

Cover Page

Order ID : Q2072

Project ID : Somerset Hills Memorial Park

Client : First Environment, Inc.

Lab Sample Number

Q2072-01
Q2072-02
Q2072-03
Q2072-04
Q2072-05
Q2072-06

Client Sample Number

MW-2
MW-3
MW-4
MW-6
FB
TB

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: 5/22/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



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

CASE NARRATIVE

First Environment, Inc.

Project Name: Somerset Hills Memorial Park

Project # N/A

Order ID # Q2072

Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:

6 Water samples were received on 05/16/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Metals Group3 and VOCMS Group1. This data package contains results for VOCMS Group1.

C. Analytical Techniques:

The analysis performed on instrument MSVOA_X were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UI. The analysis of VOCMS Group1 was based on method 8260D.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The RPD met criteria.

The Blank Spike met requirements for all samples.

The Blank Spike Duplicate met requirements for all samples.

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements.

The Tuning criteria met requirements.

E. Additional Comments:

Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.



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F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

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 #: Q2072

Completed

For thorough review, the report must have the following:

GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

COVER PAGE:

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

✓

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

✓

CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: PRATIK PATEL

Date: 05/22/2025

LAB CHRONICLE

OrderID: Q2072	OrderDate: 5/16/2025 2:45:18 PM
Client: First Environment, Inc.	Project: Somerset Hills Memorial Park
Contact: Ken Cwieka	Location: L41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2072-01	MW-2	Water	VOCMS Group1	8260-Low	05/16/25		05/16/25	05/16/25
Q2072-02	MW-3	Water	VOCMS Group1	8260-Low	05/16/25		05/16/25	05/16/25
Q2072-03	MW-4	Water	VOCMS Group1	8260-Low	05/16/25		05/16/25	05/16/25
Q2072-04	MW-6	Water	VOCMS Group1	8260-Low	05/16/25		05/16/25	05/16/25
Q2072-05	FB	Water	VOCMS Group1	8260-Low	05/16/25		05/16/25	05/16/25
Q2072-06	TB	Water	VOCMS Group1	8260-Low	05/16/25		05/16/25	05/16/25

Hit Summary Sheet
SW-846

SDG No.: Q2072

Client: First Environment, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	MW-4							
Q2072-03	MW-4	Water	Acetone	9.40		1.50	5.00	ug/L
Q2072-03	MW-4	Water	Isopropylbenzene	1.10		0.12	1.00	ug/L
Q2072-03	MW-4	Water	1,2,4-Trimethylbenzene	0.27	J	0.14	1.00	ug/L
Total Voc :				10.8				
Q2072-03	MW-4	Water	Butane, 2-methyl-	* 11.0	J	0	0	ug/L
Q2072-03	MW-4	Water	Butane, 2,3-dimethyl-	* 6.70	J	0	0	ug/L
Q2072-03	MW-4	Water	Pentane, 2,3,4-trimethyl-	* 5.30	J	0	0	ug/L
Q2072-03	MW-4	Water	Butane, 2,2,3,3-tetramethyl-	* 10.2	J	0	0	ug/L
Q2072-03	MW-4	Water	2-Pentene, 4-methyl-, (Z)-	* 6.90	J	0	0	ug/L
Q2072-03	MW-4	Water	Cyclopentene, 4,4-dimethyl-	* 5.10	J	0	0	ug/L
Q2072-03	MW-4	Water	sec-Butylbenzene	* 2.20	J	0.13	1.00	ug/L
Total Tics :				47.4				
Total Concentration:				58.2				



QC SUMMARY

Surrogate Summary

SDG No.: Q2072

Client: First Environment, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q2072-01	MW-2	1,2-Dichloroethane-d4	50	53.6	107	70 (74)	130 (125)
		Dibromofluoromethane	50	50.9	102	70 (75)	130 (124)
		Toluene-d8	50	49.8	100	70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.8	100	70 (77)	130 (121)
Q2072-02	MW-3	1,2-Dichloroethane-d4	50	54.7	109	70 (74)	130 (125)
		Dibromofluoromethane	50	52.2	104	70 (75)	130 (124)
		Toluene-d8	50	51.0	102	70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.9	100	70 (77)	130 (121)
Q2072-03	MW-4	1,2-Dichloroethane-d4	50	55.2	110	70 (74)	130 (125)
		Dibromofluoromethane	50	51.7	103	70 (75)	130 (124)
		Toluene-d8	50	50.7	101	70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.5	101	70 (77)	130 (121)
Q2072-04	MW-6	1,2-Dichloroethane-d4	50	56.5	113	70 (74)	130 (125)
		Dibromofluoromethane	50	52.9	106	70 (75)	130 (124)
		Toluene-d8	50	51.2	102	70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.5	101	70 (77)	130 (121)
Q2072-05	FB	1,2-Dichloroethane-d4	50	55.5	111	70 (74)	130 (125)
		Dibromofluoromethane	50	52.9	106	70 (75)	130 (124)
		Toluene-d8	50	50.1	100	70 (86)	130 (113)
		4-Bromofluorobenzene	50	48.3	97	70 (77)	130 (121)
Q2072-06	TB	1,2-Dichloroethane-d4	50	56.0	112	70 (74)	130 (125)
		Dibromofluoromethane	50	51.3	103	70 (75)	130 (124)
		Toluene-d8	50	50.7	101	70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.3	103	70 (77)	130 (121)
VX0516WBL01	VX0516WBL01	1,2-Dichloroethane-d4	50	55.5	111	70 (74)	130 (125)
		Dibromofluoromethane	50	51.9	104	70 (75)	130 (124)
		Toluene-d8	50	50.7	101	70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.2	102	70 (77)	130 (121)
VX0516WBS01	VX0516WBS01	1,2-Dichloroethane-d4	50	49.9	100	70 (74)	130 (125)
		Dibromofluoromethane	50	51.7	103	70 (75)	130 (124)
		Toluene-d8	50	50.6	101	70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.5	101	70 (77)	130 (121)
VX0516WBSD0	VX0516WBSD01	1,2-Dichloroethane-d4	50	49.5	99	70 (74)	130 (125)
		Dibromofluoromethane	50	51.6	103	70 (75)	130 (124)
		Toluene-d8	50	50.4	101	70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.5	103	70 (77)	130 (121)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2072

Client: First Environment, Inc.

Analytical Method: SW8260-Low

Datafile : VX046231.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0516WBS01	Dichlorodifluoromethane	20	19.2	ug/L	96			40 (69)	160 (116)	
	Chloromethane	20	19.1	ug/L	96			40 (65)	160 (116)	
	Vinyl chloride	20	18.4	ug/L	92			70 (65)	130 (117)	
	Bromomethane	20	18.2	ug/L	91			40 (58)	160 (125)	
	Chloroethane	20	19.8	ug/L	99			40 (56)	160 (128)	
	Trichlorofluoromethane	20	19.7	ug/L	99			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	19.4	ug/L	97			70 (80)	130 (112)	
	1,1-Dichloroethene	20	18.6	ug/L	93			70 (74)	130 (110)	
	Acetone	100	99.0	ug/L	99			40 (60)	160 (125)	
	Carbon disulfide	20	15.7	ug/L	79			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	20.0	ug/L	100			70 (78)	130 (114)	
	Methyl Acetate	20	23.3	ug/L	117			70 (67)	130 (125)	
	Methylene Chloride	20	18.7	ug/L	94			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	18.8	ug/L	94			70 (75)	130 (108)	
	1,1-Dichloroethane	20	20.2	ug/L	101			70 (78)	130 (112)	
	Cyclohexane	20	18.5	ug/L	93			70 (75)	130 (110)	
	2-Butanone	100	100	ug/L	100			40 (65)	160 (122)	
	Carbon Tetrachloride	20	19.7	ug/L	99			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	19.5	ug/L	98			70 (77)	130 (110)	
	Bromochloromethane	20	19.1	ug/L	96			70 (70)	130 (124)	
	Chloroform	20	20.2	ug/L	101			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	20.1	ug/L	101			70 (80)	130 (108)	
	Methylcyclohexane	20	18.5	ug/L	93			70 (72)	130 (115)	
	Benzene	20	20.1	ug/L	101			70 (82)	130 (109)	
	1,2-Dichloroethane	20	20.5	ug/L	103			70 (80)	130 (115)	
	Trichloroethene	20	19.8	ug/L	99			70 (77)	130 (113)	
	1,2-Dichloropropane	20	21.3	ug/L	106			70 (83)	130 (111)	
	Bromodichloromethane	20	20.7	ug/L	104			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	110	ug/L	110			40 (74)	160 (118)	
	Toluene	20	20.2	ug/L	101			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	19.2	ug/L	96			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	19.7	ug/L	99			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	21.2	ug/L	106			70 (83)	130 (112)	
	2-Hexanone	100	110	ug/L	110			40 (73)	160 (117)	
	Dibromochloromethane	20	20.6	ug/L	103			70 (82)	130 (110)	
	1,2-Dibromoethane	20	20.7	ug/L	104			70 (81)	130 (110)	
	Tetrachloroethene	20	20.9	ug/L	104			70 (67)	130 (123)	
	Chlorobenzene	20	19.4	ug/L	97			70 (82)	130 (109)	
	Ethyl Benzene	20	19.9	ug/L	100			70 (83)	130 (109)	
	m/p-Xylenes	40	39.7	ug/L	99			70 (82)	130 (110)	
	o-Xylene	20	20.0	ug/L	100			70 (83)	130 (109)	
	Styrene	20	20.3	ug/L	102			70 (80)	130 (111)	
	Bromoform	20	19.0	ug/L	95			70 (79)	130 (109)	
	Isopropylbenzene	20	20.0	ug/L	100			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	20.1	ug/L	101			70 (76)	130 (118)	
	1,2,4-Trimethylbenzene	20	20.1	ug/L	101			70 (85)	130 (111)	
	1,3-Dichlorobenzene	20	19.6	ug/L	98			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	19.9	ug/L	100			70 (82)	130 (107)	

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2072

Client: First Environment, Inc.

Analytical Method: SW8260-Low

Datafile : VX046231.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0516WBS01	1,2-Dichlorobenzene	20	20.4	ug/L	102			70 (82)	130 (109)	
	1,2-Dibromo-3-Chloropropane	20	19.6	ug/L	98			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	17.5	ug/L	88			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	18.8	ug/L	94			70 (76)	130 (114)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2072

Client: First Environment, Inc.

Analytical Method: SW8260-Low

Datafile : VX046232.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0516WBSD01	Dichlorodifluoromethane	20	18.5	ug/L	93	3		40 (69)	160 (116)	20 (20)
	Chloromethane	20	17.4	ug/L	87	10		40 (65)	160 (116)	20 (20)
	Vinyl chloride	20	17.4	ug/L	87	6		70 (65)	130 (117)	20 (20)
	Bromomethane	20	18.1	ug/L	91	0		40 (58)	160 (125)	20 (20)
	Chloroethane	20	19.6	ug/L	98	1		40 (56)	160 (128)	20 (20)
	Trichlorofluoromethane	20	19.2	ug/L	96	3		40 (73)	160 (115)	20 (20)
	1,1,2-Trichlorotrifluoroethane	20	19.2	ug/L	96	1		70 (80)	130 (112)	20 (20)
	1,1-Dichloroethene	20	18.1	ug/L	91	2		70 (74)	130 (110)	20 (20)
	Acetone	100	100	ug/L	100	1		40 (60)	160 (125)	20 (20)
	Carbon disulfide	20	15.6	ug/L	78	1		40 (64)	160 (112)	20 (20)
	Methyl tert-butyl Ether	20	19.9	ug/L	100	0		70 (78)	130 (114)	20 (20)
	Methyl Acetate	20	23.5	ug/L	117	0		70 (67)	130 (125)	20 (20)
	Methylene Chloride	20	18.3	ug/L	92	2		70 (72)	130 (114)	20 (20)
	trans-1,2-Dichloroethene	20	18.1	ug/L	91	3		70 (75)	130 (108)	20 (20)
	1,1-Dichloroethane	20	19.7	ug/L	99	2		70 (78)	130 (112)	20 (20)
	Cyclohexane	20	18.3	ug/L	92	1		70 (75)	130 (110)	20 (20)
	2-Butanone	100	110	ug/L	110	10		40 (65)	160 (122)	20 (20)
	Carbon Tetrachloride	20	19.2	ug/L	96	3		70 (77)	130 (113)	20 (20)
	cis-1,2-Dichloroethene	20	19.1	ug/L	96	2		70 (77)	130 (110)	20 (20)
	Bromochloromethane	20	19.0	ug/L	95	1		70 (70)	130 (124)	20 (20)
	Chloroform	20	19.8	ug/L	99	2		70 (79)	130 (113)	20 (20)
	1,1,1-Trichloroethane	20	19.5	ug/L	98	3		70 (80)	130 (108)	20 (20)
	Methylcyclohexane	20	18.5	ug/L	93	0		70 (72)	130 (115)	20 (20)
	Benzene	20	20.0	ug/L	100	1		70 (82)	130 (109)	20 (20)
	1,2-Dichloroethane	20	20.9	ug/L	104	1		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	19.7	ug/L	99	0		70 (77)	130 (113)	20 (20)
	1,2-Dichloropropane	20	20.9	ug/L	104	2		70 (83)	130 (111)	20 (20)
	Bromodichloromethane	20	21.2	ug/L	106	2		70 (83)	130 (110)	20 (20)
	4-Methyl-2-Pentanone	100	110	ug/L	110	0		40 (74)	160 (118)	20 (20)
	Toluene	20	20.3	ug/L	102	1		70 (82)	130 (110)	20 (20)
	t-1,3-Dichloropropene	20	19.5	ug/L	98	2		70 (79)	130 (110)	20 (20)
	cis-1,3-Dichloropropene	20	20.3	ug/L	102	3		70 (82)	130 (110)	20 (20)
	1,1,2-Trichloroethane	20	20.9	ug/L	104	2		70 (83)	130 (112)	20 (20)
	2-Hexanone	100	110	ug/L	110	0		40 (73)	160 (117)	20 (20)
	Dibromochloromethane	20	21.1	ug/L	106	3		70 (82)	130 (110)	20 (20)
	1,2-Dibromoethane	20	21.3	ug/L	106	2		70 (81)	130 (110)	20 (20)
	Tetrachloroethene	20	20.2	ug/L	101	3		70 (67)	130 (123)	20 (20)
	Chlorobenzene	20	19.5	ug/L	98	1		70 (82)	130 (109)	20 (20)
	Ethyl Benzene	20	19.7	ug/L	99	1		70 (83)	130 (109)	20 (20)
	m/p-Xylenes	40	40.0	ug/L	100	1		70 (82)	130 (110)	20 (20)
	o-Xylene	20	20.1	ug/L	101	1		70 (83)	130 (109)	20 (20)
	Styrene	20	20.3	ug/L	102	0		70 (80)	130 (111)	20 (20)
	Bromoform	20	19.7	ug/L	99	4		70 (79)	130 (109)	20 (20)
	Isopropylbenzene	20	20.4	ug/L	102	2		70 (83)	130 (112)	20 (20)
	1,1,2,2-Tetrachloroethane	20	20.2	ug/L	101	0		70 (76)	130 (118)	20 (20)
	1,2,4-Trimethylbenzene	20	20.4	ug/L	102	1		70 (85)	130 (111)	20 (20)
	1,3-Dichlorobenzene	20	19.9	ug/L	100	2		70 (82)	130 (108)	20 (20)
	1,4-Dichlorobenzene	20	19.6	ug/L	98	2		70 (82)	130 (107)	20 (20)

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2072

Client: First Environment, Inc.

Analytical Method: SW8260-Low

Datafile : VX046232.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0516WBSD01	1,2-Dichlorobenzene	20	20.4	ug/L	102	0		70 (82)	130 (109)	20 (20)
	1,2-Dibromo-3-Chloropropane	20	21.2	ug/L	106	8		40 (68)	160 (112)	20 (20)
	1,2,4-Trichlorobenzene	20	19.0	ug/L	95	8		70 (75)	130 (113)	20 (20)
	1,2,3-Trichlorobenzene	20	19.1	ug/L	96	2		70 (76)	130 (114)	20 (20)

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0516WBL01

Lab Name: CHEMTECH

Contract: FIRS02

Lab Code: CHEM Case No.: Q2072

SAS No.: Q2072 SDG NO.: Q2072

Lab File ID: VX046230.D

Lab Sample ID: VX0516WBL01

Date Analyzed: 05/16/2025

Time Analyzed: 10:12

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
VX0516WBS01	VX0516WBS01	VX046231.D	05/16/2025
VX0516WBSD01	VX0516WBSD01	VX046232.D	05/16/2025
FB	Q2072-05	VX046246.D	05/16/2025
TB	Q2072-06	VX046247.D	05/16/2025
MW-2	Q2072-01	VX046248.D	05/16/2025
MW-3	Q2072-02	VX046249.D	05/16/2025
MW-4	Q2072-03	VX046250.D	05/16/2025
MW-6	Q2072-04	VX046251.D	05/16/2025

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: FIRS02
Lab Code: CHEM Case No.: Q2072 SAS No.: Q2072 SDG NO.: Q2072
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



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: FIRS02
Lab Code: CHEM Case No.: Q2072 SAS No.: Q2072 SDG NO.: Q2072
Lab File ID: VX046227.D BFB Injection Date: 05/16/2025
Instrument ID: MSVOA_X BFB Injection Time: 08:47
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	22.5
75	30.0 - 60.0% of mass 95	56.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	1 (1.5) 1
174	50.0 - 100.0% of mass 95	65.3
175	5.0 - 9.0% of mass 174	5.2 (8) 1
176	95.0 - 101.0% of mass 174	65.3 (99.9) 1
177	5.0 - 9.0% of mass 176	4.4 (6.7) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX046228.D	05/16/2025	09:22
VX0516WBL01	VX0516WBL01	VX046230.D	05/16/2025	10:12
VX0516WBS01	VX0516WBS01	VX046231.D	05/16/2025	10:36
VX0516WBSD01	VX0516WBSD01	VX046232.D	05/16/2025	11:01
FB	Q2072-05	VX046246.D	05/16/2025	16:29
TB	Q2072-06	VX046247.D	05/16/2025	16:52
MW-2	Q2072-01	VX046248.D	05/16/2025	17:15
MW-3	Q2072-02	VX046249.D	05/16/2025	17:39
MW-4	Q2072-03	VX046250.D	05/16/2025	18:02
MW-6	Q2072-04	VX046251.D	05/16/2025	18:26

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: FIRS02
 Lab Code: CHEM Case No.: Q2072 SAS No.: Q2072 SDG NO.: Q2072
 Lab File ID: VX046228.D Date Analyzed: 05/16/2025
 Instrument ID: MSVOA_X Time Analyzed: 09:22
 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	94540	5.54	157316	6.75	136812	10.05
UPPER LIMIT	189080	6.038	314632	7.251	273624	10.549
LOWER LIMIT	47270	5.038	78658	6.251	68406	9.549
EPA SAMPLE NO.						
MW-2	60932	5.55	122154	6.76	115589	10.06
MW-3	60476	5.54	119451	6.76	112435	10.06
MW-4	59308	5.55	118728	6.76	114044	10.06
MW-6	56586	5.55	113386	6.76	109564	10.06
FB	63781	5.55	127117	6.76	117342	10.05
TB	59269	5.55	119588	6.76	114347	10.06
VX0516WBL01	63217	5.54	126396	6.76	119684	10.05
VX0516WBS01	89369	5.54	154326	6.76	137068	10.05
VX0516WBSD01	88353	5.54	151068	6.76	134956	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: FIRS02
 Lab Code: CHEM Case No.: Q2072 SAS No.: Q2072 SDG NO.: Q2072
 Lab File ID: VX046228.D Date Analyzed: 05/16/2025
 Instrument ID: MSVOA_X Time Analyzed: 09:22
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	65634	12.018				
UPPER LIMIT	131268	12.518				
LOWER LIMIT	32817	11.518				
EPA SAMPLE NO.						
MW-2	48818	12.02				
MW-3	48415	12.02				
MW-4	48994	12.02				
MW-6	45951	12.02				
FB	48600	12.02				
TB	49075	12.02				
VX0516WBL01	51388	12.02				
VX0516WBS01	65057	12.02				
VX0516WBSD01	63717	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:	First Environment, Inc.	Date Collected:	05/16/25
Project:	Somerset Hills Memorial Park	Date Received:	05/16/25
Client Sample ID:	MW-2	SDG No.:	Q2072
Lab Sample ID:	Q2072-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046248.D	1		05/16/25 17:15	VX051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	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
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	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
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	05/16/25
Project:	Somerset Hills Memorial Park	Date Received:	05/16/25
Client Sample ID:	MW-2	SDG No.:	Q2072
Lab Sample ID:	Q2072-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046248.D	1		05/16/25 17:15	VX051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	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
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.14	U	0.14	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.6		70 (74) - 130 (125)	107%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		70 (75) - 130 (124)	102%	SPK: 50
2037-26-5	Toluene-d8	49.8		70 (86) - 130 (113)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.8		70 (77) - 130 (121)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	60900	5.55			
540-36-3	1,4-Difluorobenzene	122000	6.763			
3114-55-4	Chlorobenzene-d5	116000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	48800	12.018			

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	05/16/25
Project:	Somerset Hills Memorial Park	Date Received:	05/16/25
Client Sample ID:	MW-2	SDG No.:	Q2072
Lab Sample ID:	Q2072-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046248.D	1		05/16/25 17:15	VX051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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\VX051625\
 Data File : VX046248.D
 Acq On : 16 May 2025 17:15
 Operator : JC/MD
 Sample : Q2072-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2

Quant Time: May 16 23:08:47 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	60932	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	122154	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	115589	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	48818	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60839	53.557	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	107.120%
35) Dibromofluoromethane	5.385	113	44746	50.869	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.740%
50) Toluene-d8	8.647	98	151722	49.834	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.660%
62) 4-Bromofluorobenzene	11.079	95	58203	49.838	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	99.680%

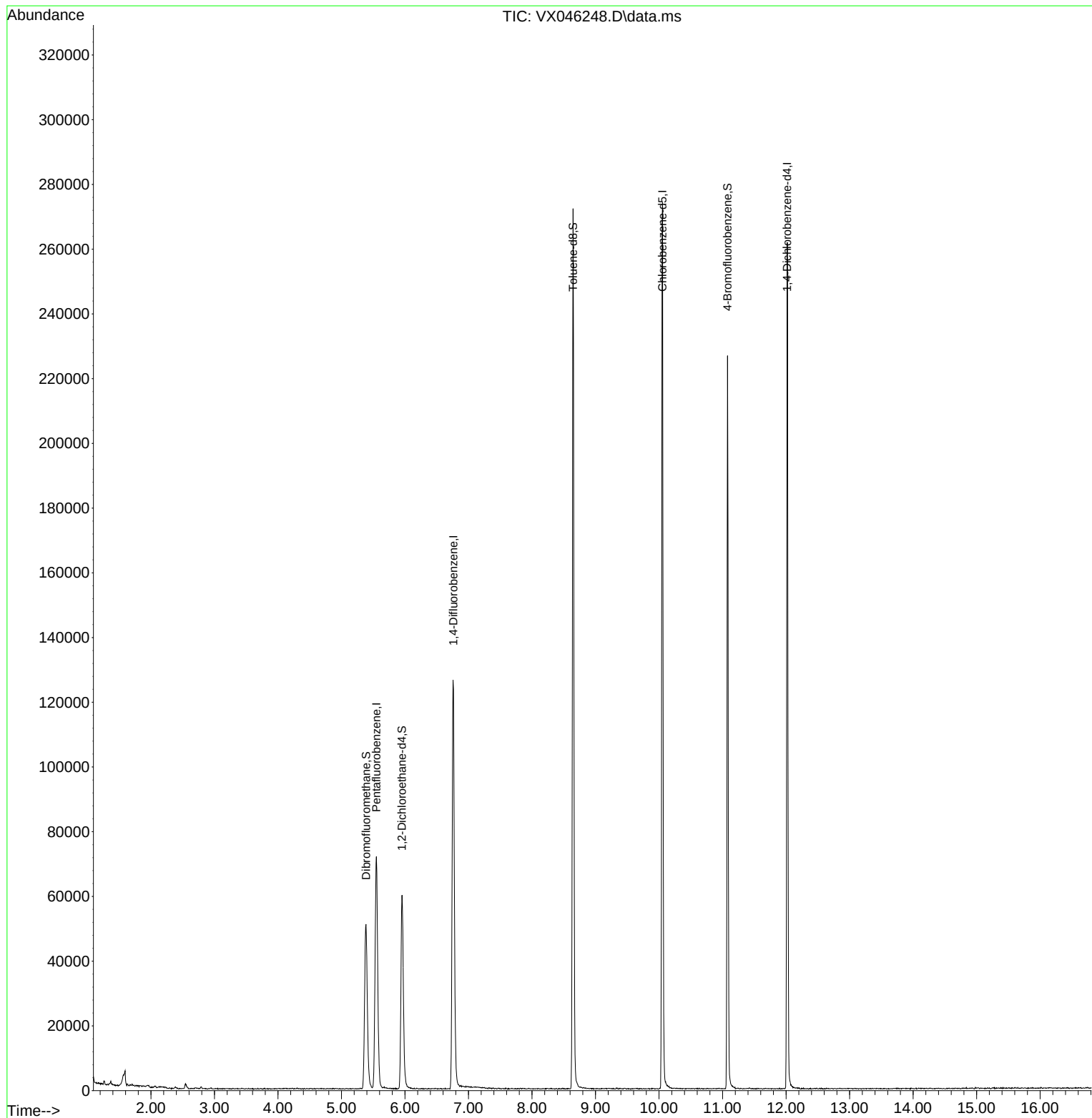
Target Compounds	Qvalue

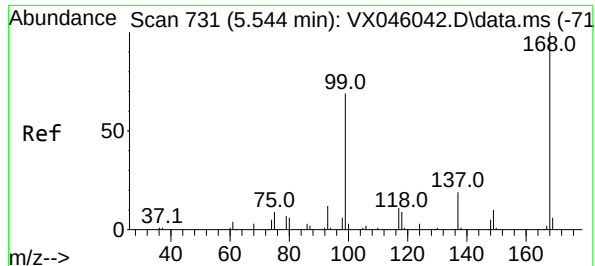
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051625\
Data File : VX046248.D
Acq On : 16 May 2025 17:15
Operator : JC/MD
Sample : Q2072-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-2

Quant Time: May 16 23:08:47 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

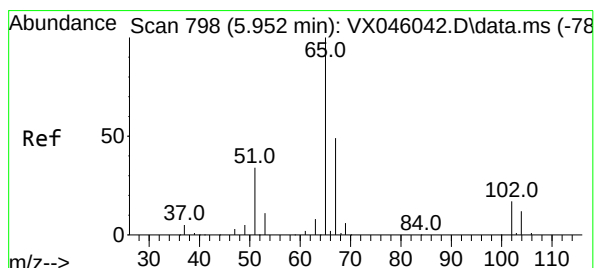
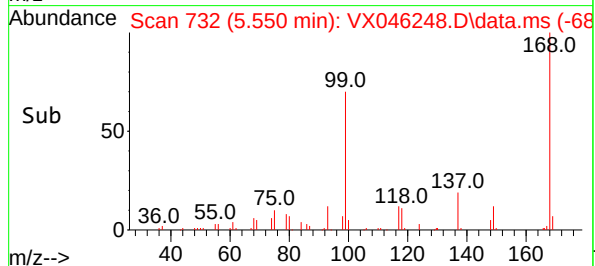
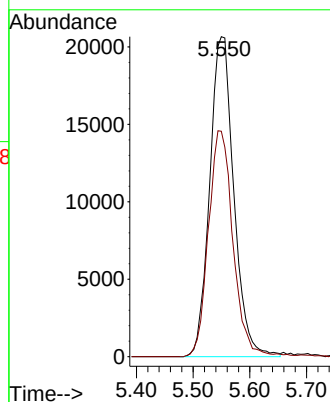
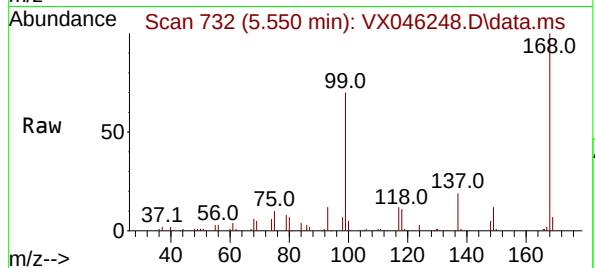




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046248.D
Acq: 16 May 2025 17:15

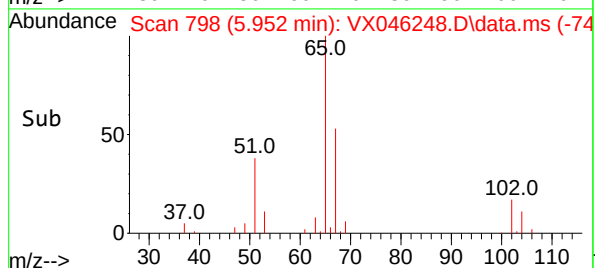
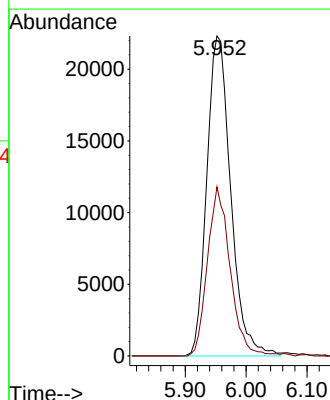
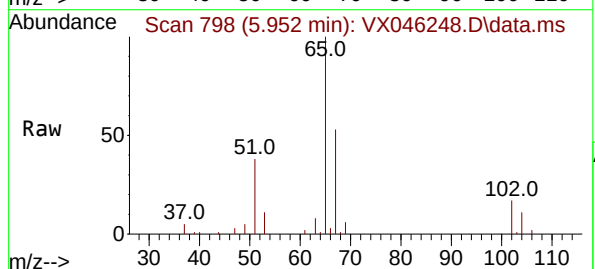
Instrument :
MSVOA_X
ClientSampleId :
MW-2

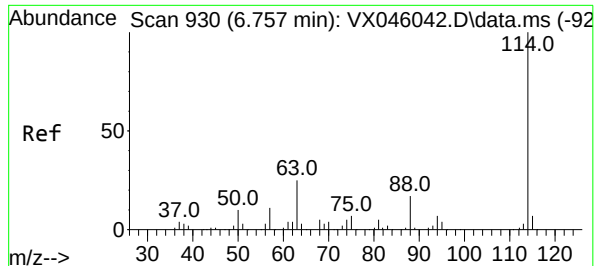
Tgt Ion:168 Resp: 60932
Ion Ratio Lower Upper
168 100
99 70.4 54.9 82.3



#33
1,2-Dichloroethane-d4
Concen: 53.557 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX046248.D
Acq: 16 May 2025 17:15

Tgt Ion: 65 Resp: 60839
Ion Ratio Lower Upper
65 100
67 50.2 0.0 99.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX046248.D

Acq: 16 May 2025 17:15

Instrument :

MSVOA_X

ClientSampleId :

MW-2

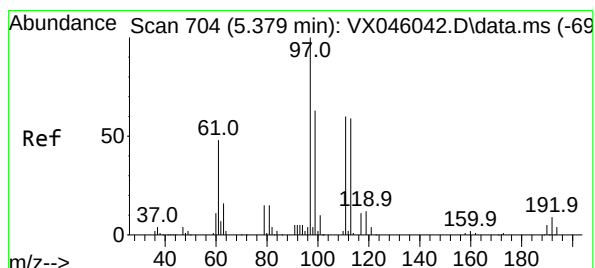
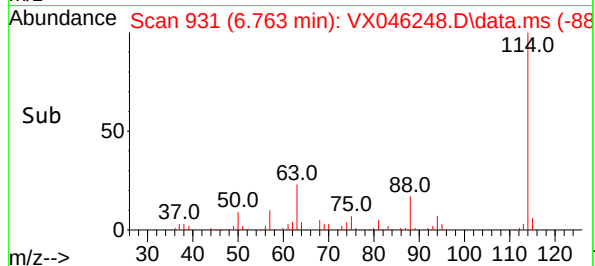
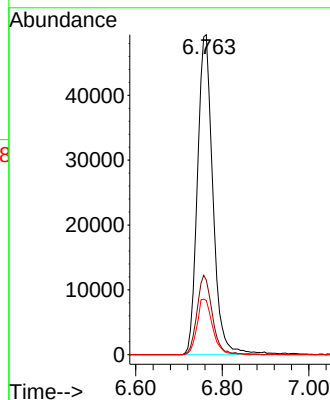
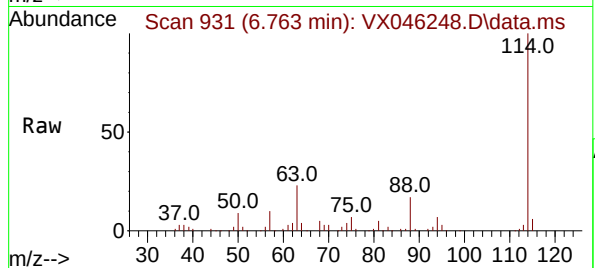
Tgt Ion:114 Resp: 122154

Ion Ratio Lower Upper

114 100

63 23.4 0.0 49.2

88 16.9 0.0 33.6



#35

Dibromofluoromethane

Concen: 50.869 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX046248.D

Acq: 16 May 2025 17:15

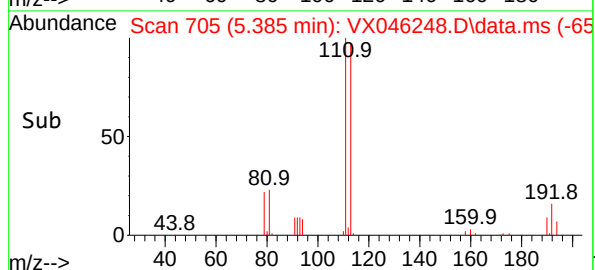
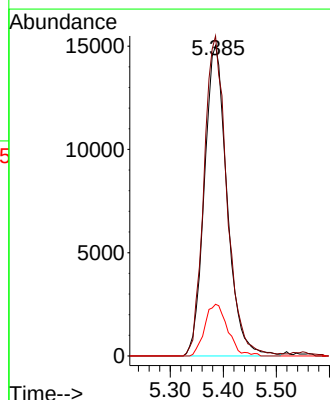
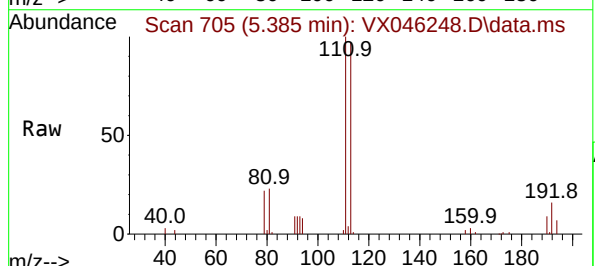
Tgt Ion:113 Resp: 44746

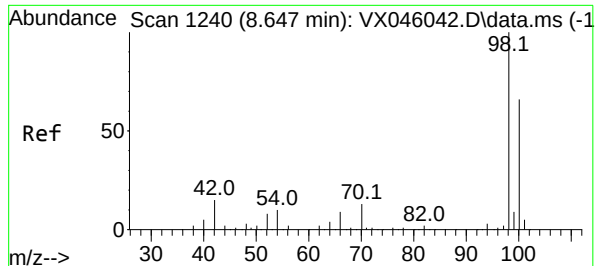
Ion Ratio Lower Upper

113 100

111 103.7 83.1 124.7

192 16.8 13.3 19.9





#50

Toluene-d8

Concen: 49.834 ug/l

RT: 8.647 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX046248.D

Acq: 16 May 2025 17:15

Instrument :

MSVOA_X

ClientSampleId :

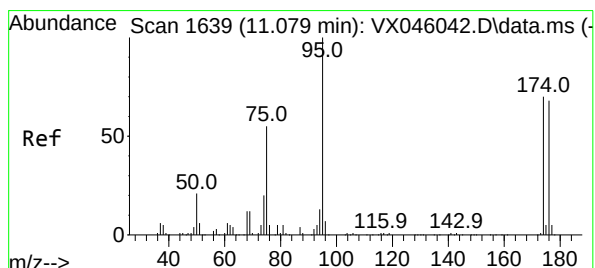
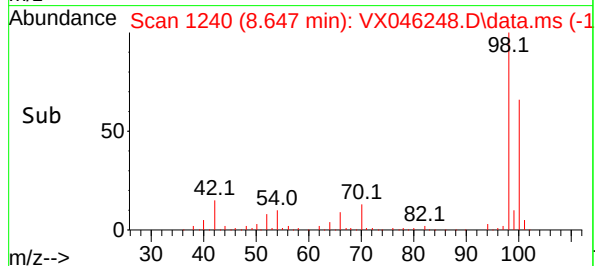
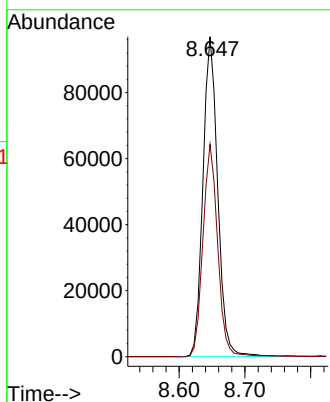
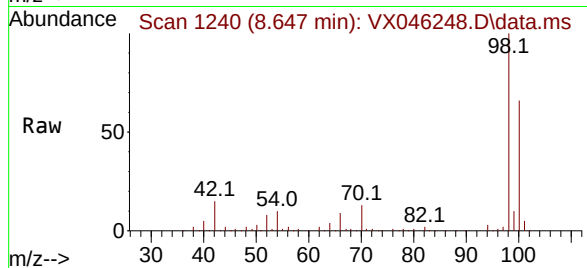
MW-2

Tgt Ion: 98 Resp: 151722

Ion Ratio Lower Upper

98 100

100 66.4 53.5 80.3



#62

4-Bromofluorobenzene

Concen: 49.838 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX046248.D

Acq: 16 May 2025 17:15

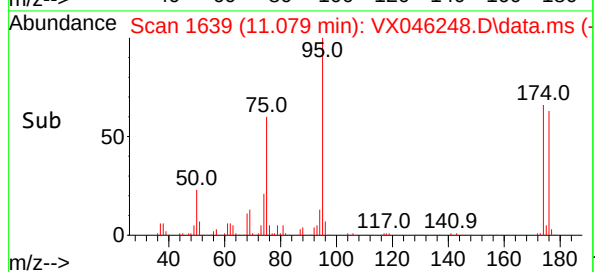
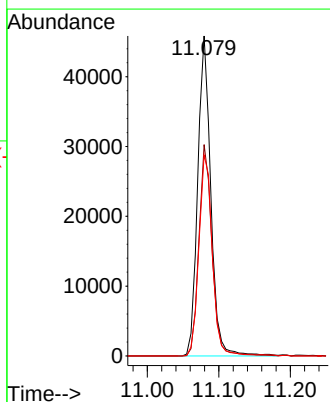
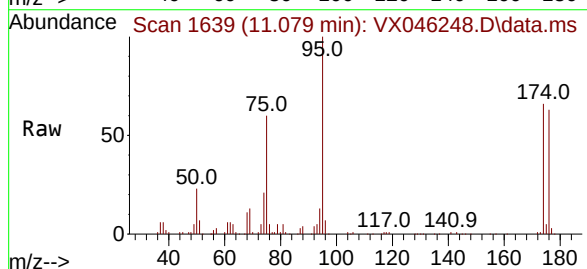
Tgt Ion: 95 Resp: 58203

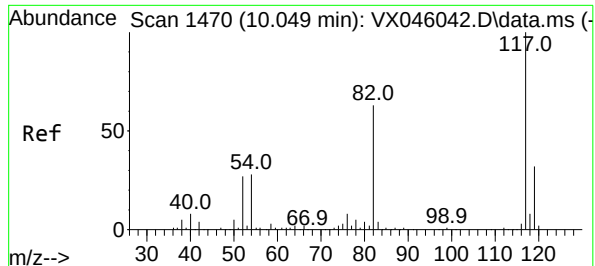
Ion Ratio Lower Upper

95 100

174 66.1 0.0 135.8

176 64.3 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: VX046248.D

Acq: 16 May 2025 17:15

Instrument :

MSVOA_X

ClientSampleId :

MW-2

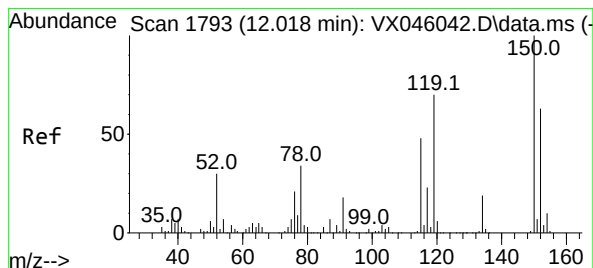
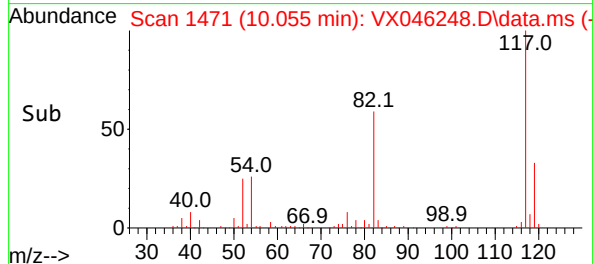
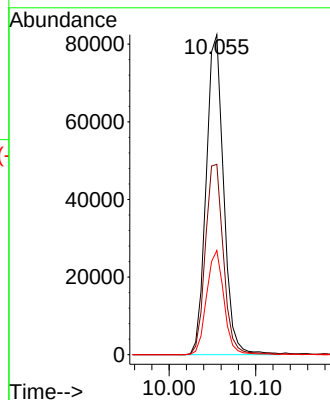
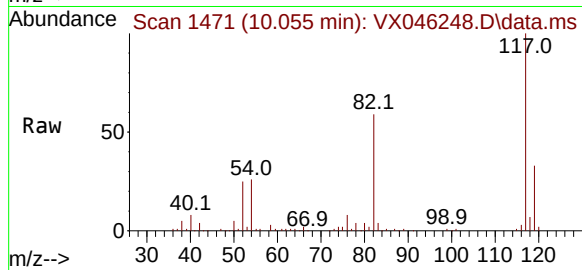
Tgt Ion:117 Resp: 115589

Ion Ratio Lower Upper

117 100

82 59.5 50.6 76.0

119 32.6 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: VX046248.D

Acq: 16 May 2025 17:15

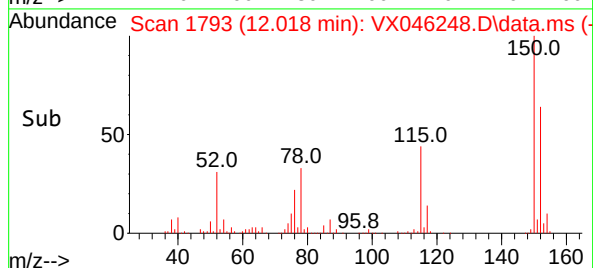
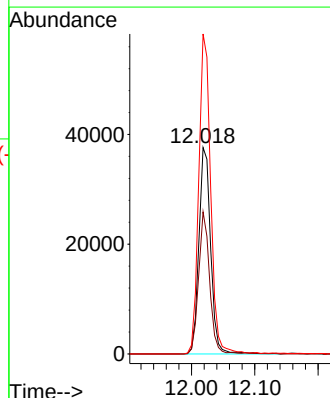
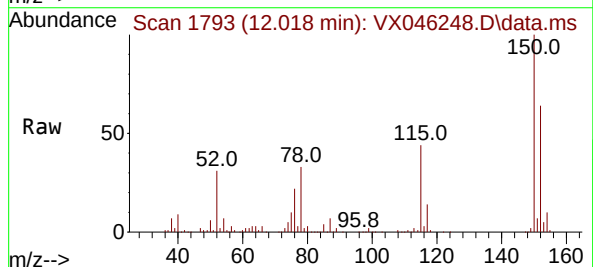
Tgt Ion:152 Resp: 48818

Ion Ratio Lower Upper

152 100

115 64.4 46.9 140.7

150 156.8 0.0 351.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051625\
Data File : VX046248.D
Acq On : 16 May 2025 17:15
Operator : JC/MD
Sample : Q2072-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-2

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

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

Title : SW846 8260

Signal : TIC: VX046248.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.563	68	78	79	rBV3	3251	5852	1.36%	0.258%
2	5.385	694	705	721	rBV2	50863	152800	35.57%	6.731%
3	5.550	721	732	747	rVV2	71471	203879	47.46%	8.982%
4	5.952	789	798	811	rBV	59799	158968	37.01%	7.003%
5	6.757	922	930	944	rBV	126391	310161	72.21%	13.664%
6	8.647	1234	1240	1258	rBV	271847	429538	100.00%	18.923%
7	10.055	1465	1471	1483	rBV	273679	393756	91.67%	17.346%
8	11.079	1634	1639	1652	rBV	226510	284991	66.35%	12.555%
9	12.018	1788	1793	1805	rBV	261437	330033	76.83%	14.539%

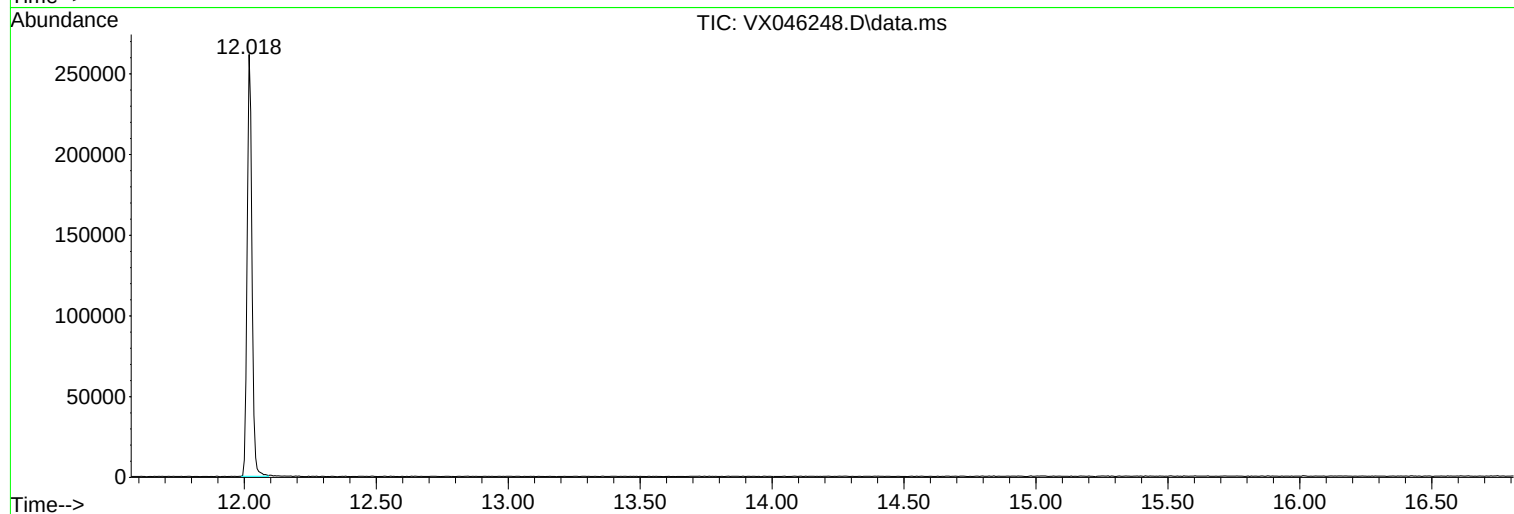
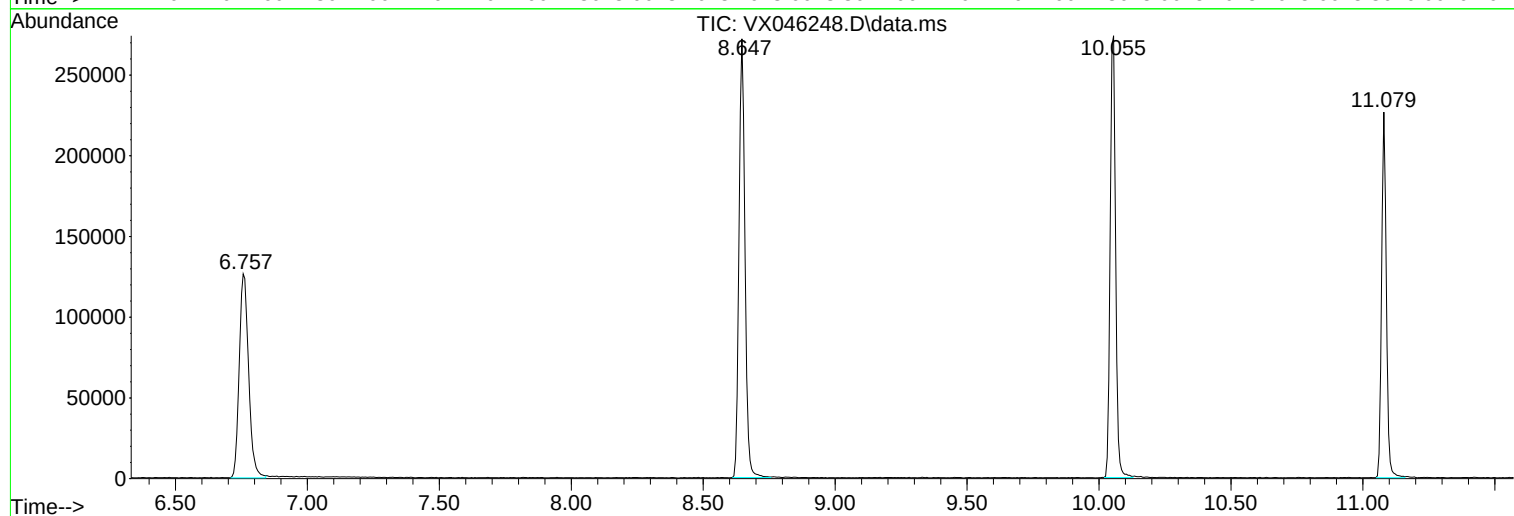
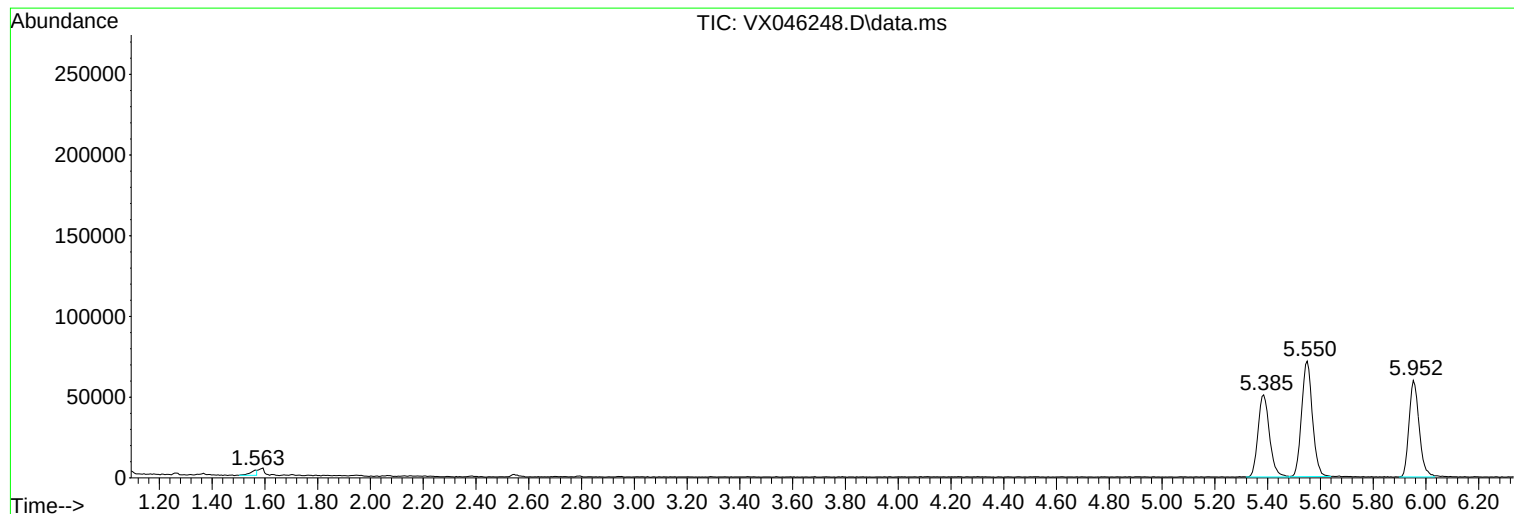
Sum of corrected areas: 2269978

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051625\
Data File : VX046248.D
Acq On : 16 May 2025 17:15
Operator : JC/MD
Sample : Q2072-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051625\
Data File : VX046248.D
Acq On : 16 May 2025 17:15
Operator : JC/MD
Sample : Q2072-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051625\
Data File : VX046248.D
Acq On : 16 May 2025 17:15
Operator : JC/MD
Sample : Q2072-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	05/16/25
Project:	Somerset Hills Memorial Park	Date Received:	05/16/25
Client Sample ID:	MW-3	SDG No.:	Q2072
Lab Sample ID:	Q2072-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046249.D	1		05/16/25 17:39	VX051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	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
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	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
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	05/16/25
Project:	Somerset Hills Memorial Park	Date Received:	05/16/25
Client Sample ID:	MW-3	SDG No.:	Q2072
Lab Sample ID:	Q2072-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046249.D	1		05/16/25 17:39	VX051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	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
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.14	U	0.14	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.7		70 (74) - 130 (125)	109%	SPK: 50
1868-53-7	Dibromofluoromethane	52.2		70 (75) - 130 (124)	104%	SPK: 50
2037-26-5	Toluene-d8	50.9		70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.9		70 (77) - 130 (121)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	60500	5.544			
540-36-3	1,4-Difluorobenzene	119000	6.757			
3114-55-4	Chlorobenzene-d5	112000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	48400	12.018			

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	05/16/25
Project:	Somerset Hills Memorial Park	Date Received:	05/16/25
Client Sample ID:	MW-3	SDG No.:	Q2072
Lab Sample ID:	Q2072-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :		Level :	LOW
		Final Vol:	5000 uL
		Test:	VOCMS Group1

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046249.D	1		05/16/25 17:39	VX051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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\VX051625\
Data File : VX046249.D
Acq On : 16 May 2025 17:39
Operator : JC/MD
Sample : Q2072-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-3

Quant Time: May 16 23:09:10 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	60476	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	119451	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	112435	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	48415	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61719	54.741	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	109.480%
35) Dibromofluoromethane	5.385	113	44892	52.189	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.380%
50) Toluene-d8	8.647	98	151681	50.948	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.900%
62) 4-Bromofluorobenzene	11.079	95	57036	49.944	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	99.880%

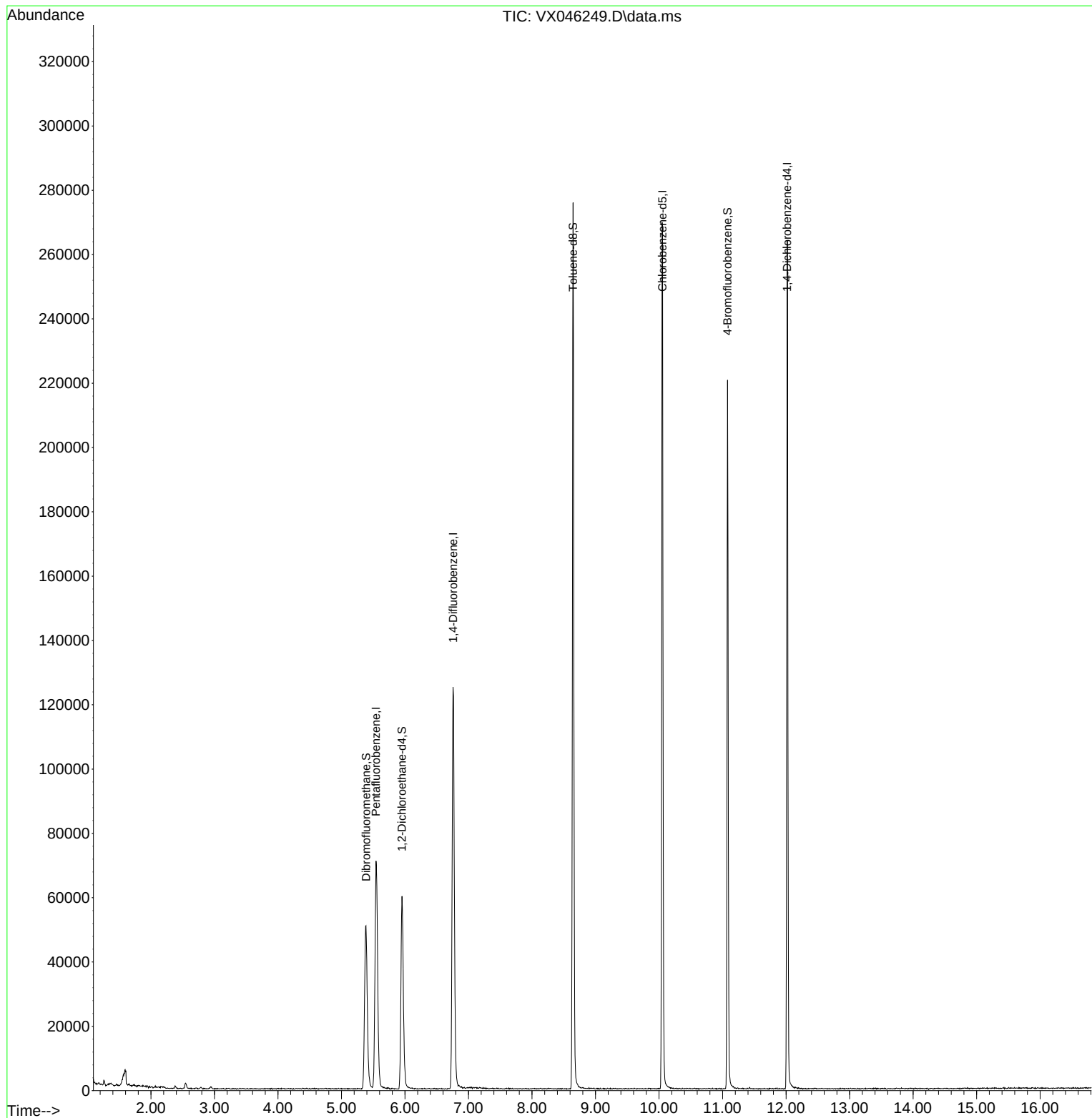
Target Compounds	Qvalue

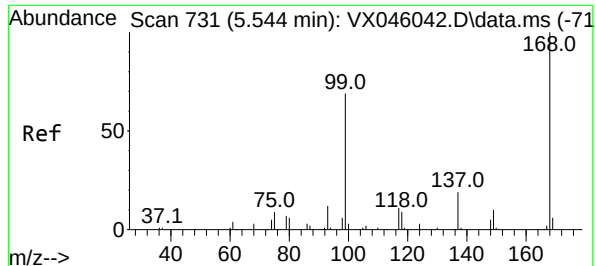
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051625\
Data File : VX046249.D
Acq On : 16 May 2025 17:39
Operator : JC/MD
Sample : Q2072-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-3

Quant Time: May 16 23:09:10 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

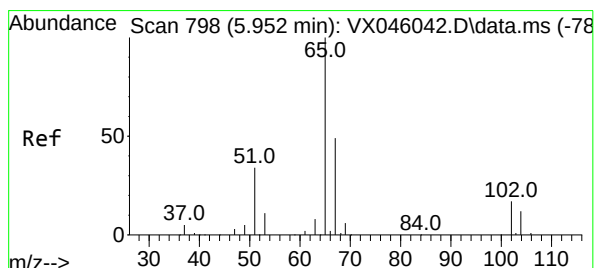
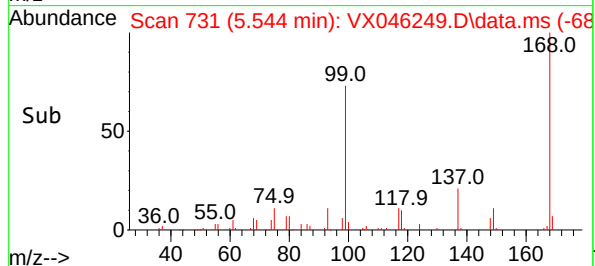
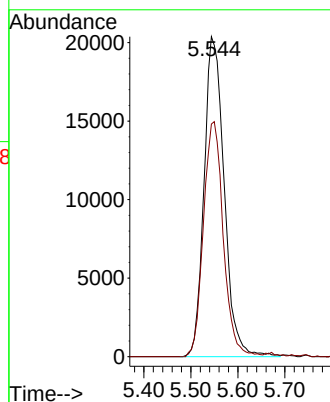
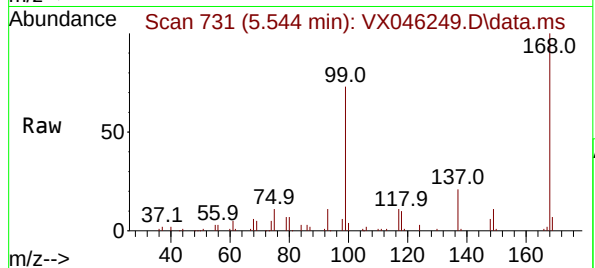




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046249.D
Acq: 16 May 2025 17:39

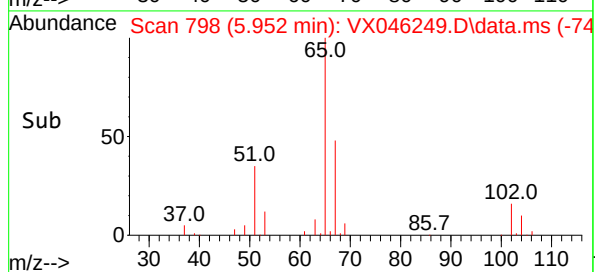
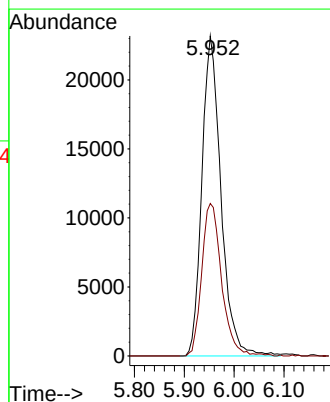
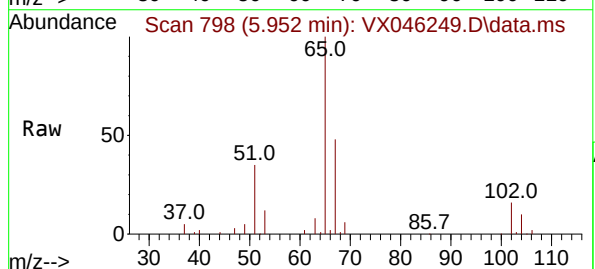
Instrument :
MSVOA_X
ClientSampleId :
MW-3

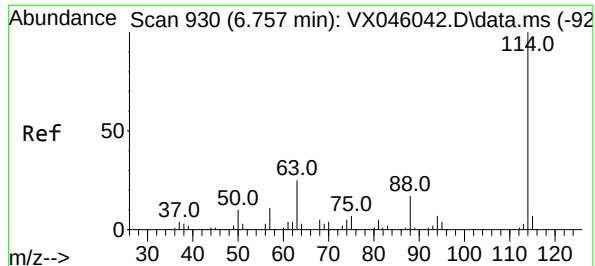
Tgt Ion:168 Resp: 60476
Ion Ratio Lower Upper
168 100
99 72.7 54.9 82.3



#33
1,2-Dichloroethane-d4
Concen: 54.741 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX046249.D
Acq: 16 May 2025 17:39

Tgt Ion: 65 Resp: 61719
Ion Ratio Lower Upper
65 100
67 49.6 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: VX046249.D

Acq: 16 May 2025 17:39

Instrument :

MSVOA_X

ClientSampleId :

MW-3

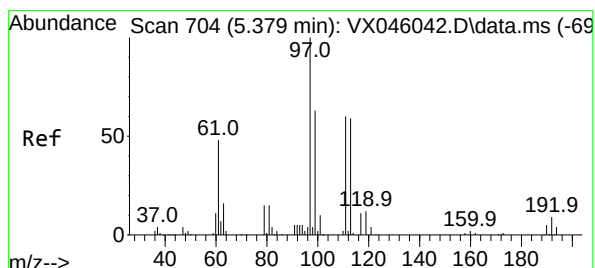
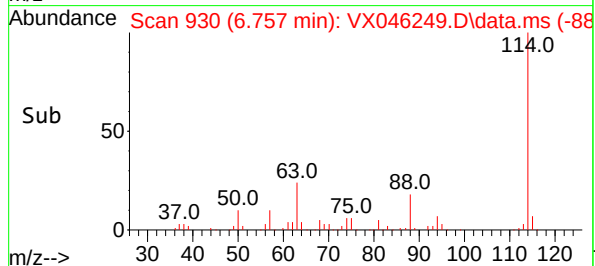
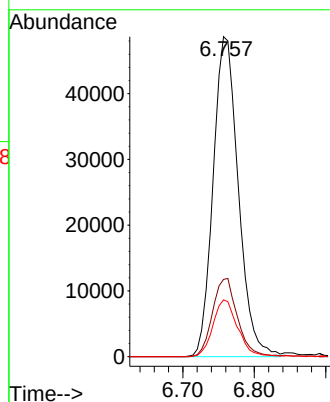
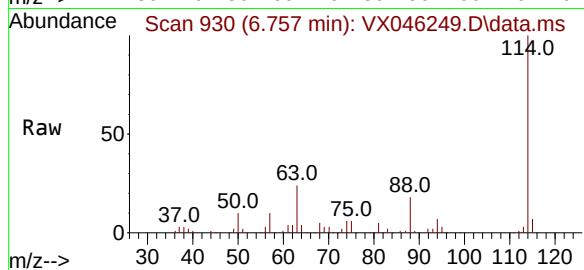
Tgt Ion:114 Resp: 119451

Ion Ratio Lower Upper

114 100

63 24.1 0.0 49.2

88 17.8 0.0 33.6



#35

Dibromofluoromethane

Concen: 52.189 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX046249.D

Acq: 16 May 2025 17:39

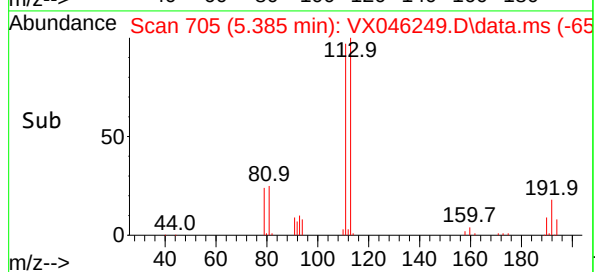
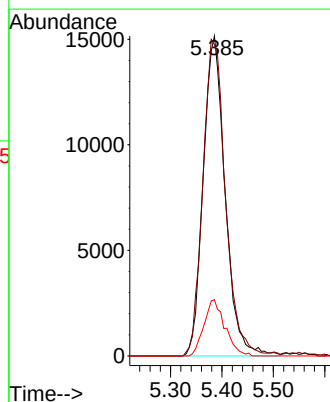
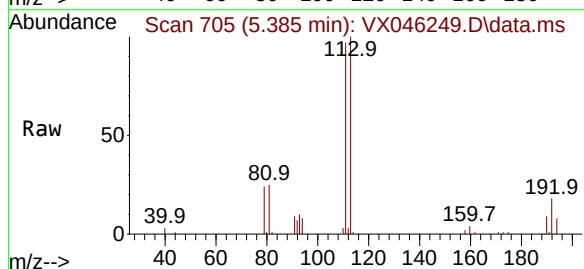
Tgt Ion:113 Resp: 44892

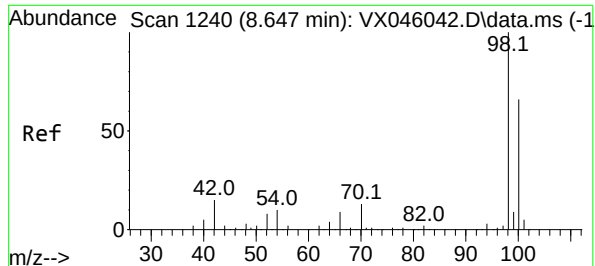
Ion Ratio Lower Upper

113 100

111 101.6 83.1 124.7

192 16.9 13.3 19.9





#50

Toluene-d8

Concen: 50.948 ug/l

RT: 8.647 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX046249.D

Acq: 16 May 2025 17:39

Instrument :

MSVOA_X

ClientSampleId :

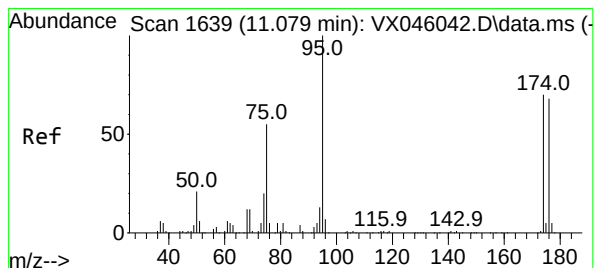
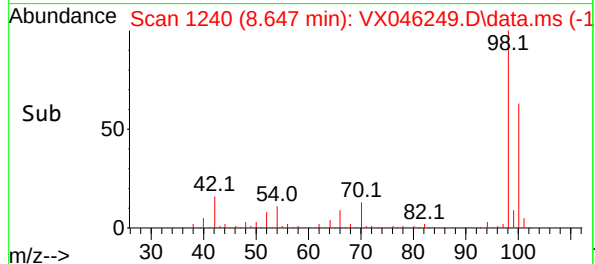
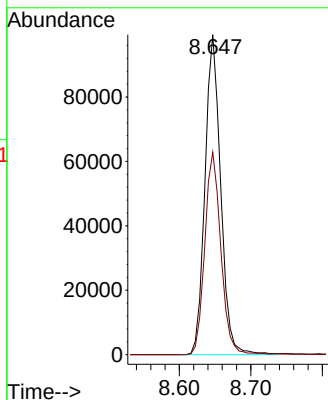
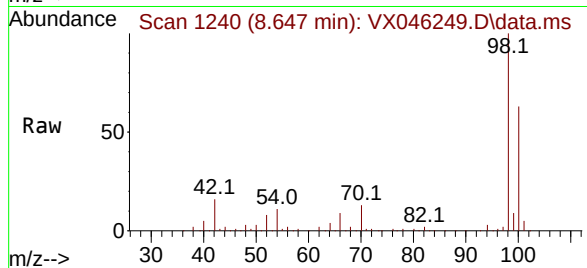
MW-3

Tgt Ion: 98 Resp: 151681

Ion Ratio Lower Upper

98 100

100 65.0 53.5 80.3



#62

4-Bromofluorobenzene

Concen: 49.944 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX046249.D

Acq: 16 May 2025 17:39

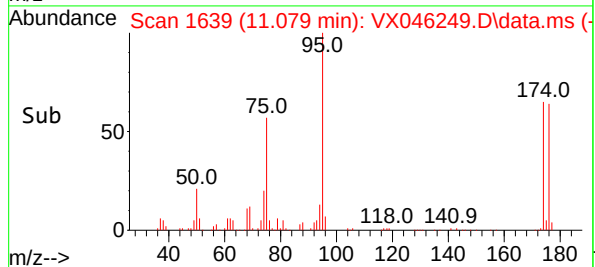
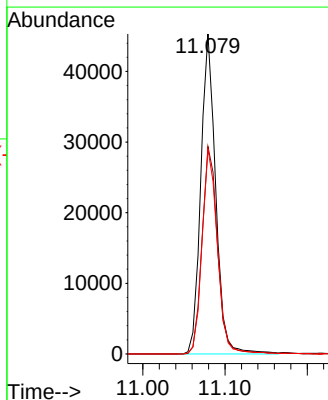
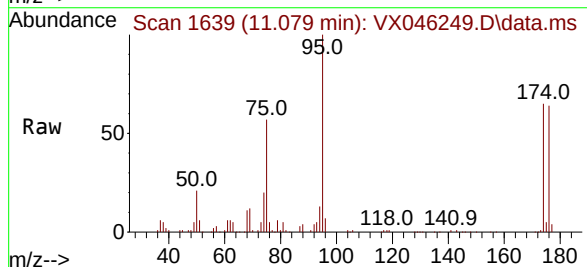
Tgt Ion: 95 Resp: 57036

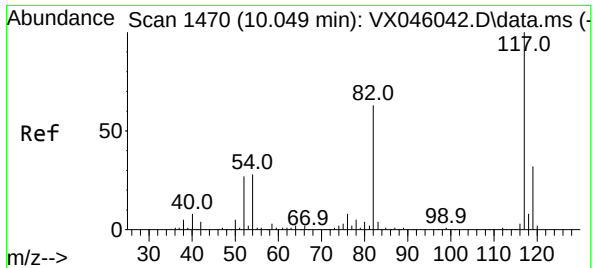
Ion Ratio Lower Upper

95 100

174 67.8 0.0 135.8

176 65.8 0.0 131.4

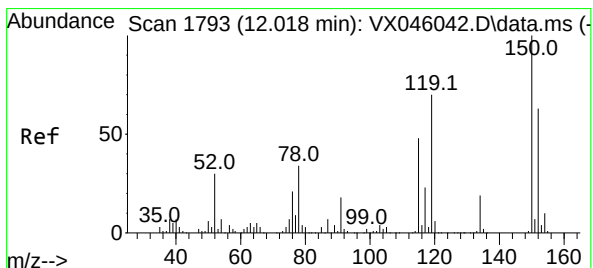
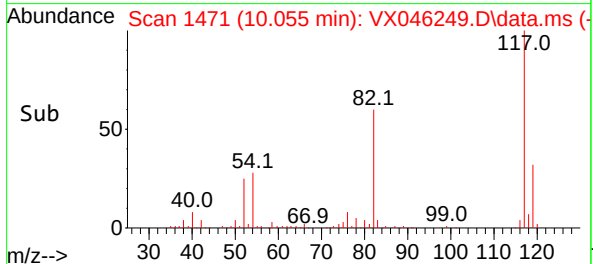
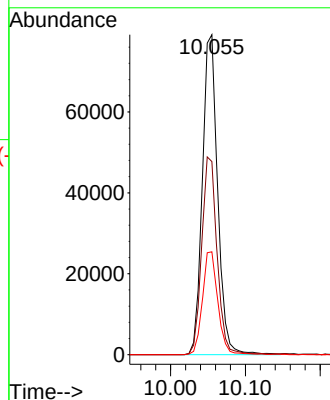
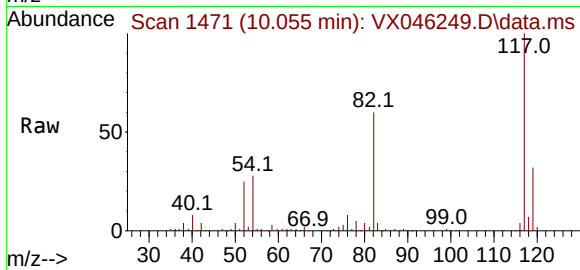




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX046249.D
Acq: 16 May 2025 17:39

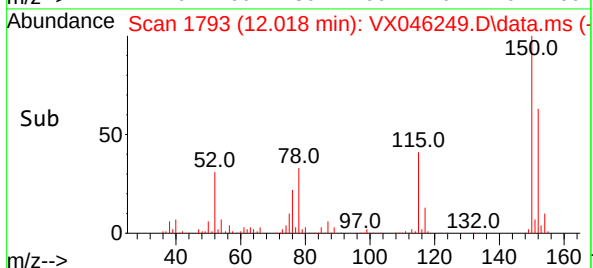
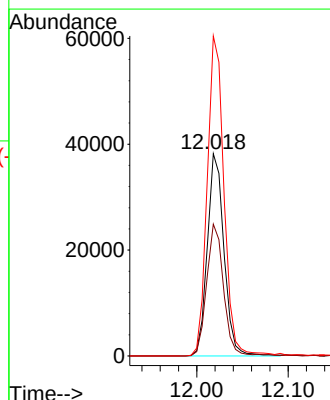
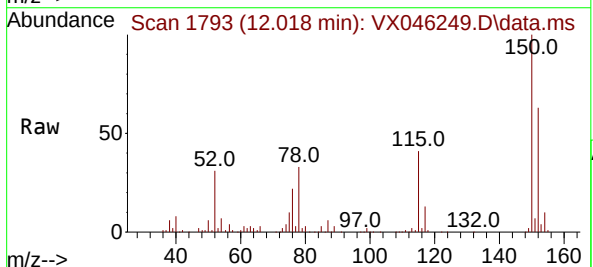
Instrument :
MSVOA_X
ClientSampleId :
MW-3

Tgt Ion:117 Resp: 112435
Ion Ratio Lower Upper
117 100
82 60.4 50.6 76.0
119 32.1 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: VX046249.D
Acq: 16 May 2025 17:39

Tgt Ion:152 Resp: 48415
Ion Ratio Lower Upper
152 100
115 66.1 46.9 140.7
150 159.3 0.0 351.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051625\
Data File : VX046249.D
Acq On : 16 May 2025 17:39
Operator : JC/MD
Sample : Q2072-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-3

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

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

Title : SW846 8260

Signal : TIC: VX046249.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.593	69	83	84	rBV5	4938	13750	3.22%	0.608%
2	5.385	694	705	721	rBV	50765	153066	35.82%	6.768%
3	5.544	721	731	746	rVV	70473	202349	47.35%	8.947%
4	5.952	789	798	813	rBV	59968	159551	37.33%	7.055%
5	6.757	921	930	943	rBV	124897	304727	71.30%	13.474%
6	8.647	1234	1240	1259	rBV	275520	427358	100.00%	18.896%
7	10.049	1465	1470	1486	rBV	269431	387324	90.63%	17.126%
8	11.079	1634	1639	1653	rBV	220359	282285	66.05%	12.482%
9	12.018	1788	1793	1805	rBV	263772	331174	77.49%	14.643%

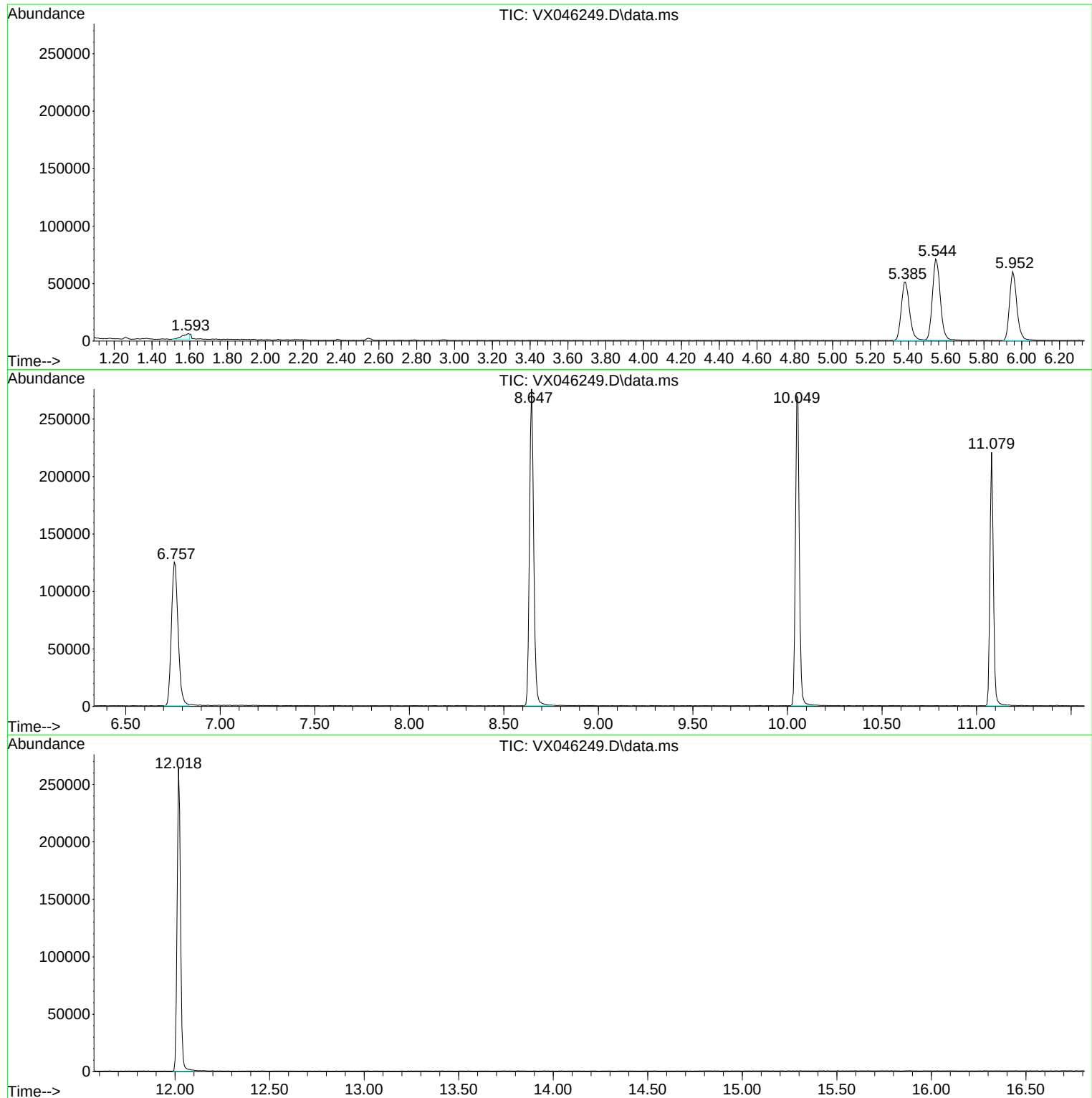
Sum of corrected areas: 2261584

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051625\
Data File : VX046249.D
Acq On : 16 May 2025 17:39
Operator : JC/MD
Sample : Q2072-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051625\
Data File : VX046249.D
Acq On : 16 May 2025 17:39
Operator : JC/MD
Sample : Q2072-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051625\
Data File : VX046249.D
Acq On : 16 May 2025 17:39
Operator : JC/MD
Sample : Q2072-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	05/16/25
Project:	Somerset Hills Memorial Park	Date Received:	05/16/25
Client Sample ID:	MW-4	SDG No.:	Q2072
Lab Sample ID:	Q2072-03	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046250.D	1		05/16/25 18:02	VX051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	9.40		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	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
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	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
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	05/16/25
Project:	Somerset Hills Memorial Park	Date Received:	05/16/25
Client Sample ID:	MW-4	SDG No.:	Q2072
Lab Sample ID:	Q2072-03	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046250.D	1		05/16/25 18:02	VX051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	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
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.10		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.27	J	0.14	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.2		70 (74) - 130 (125)	110%	SPK: 50
1868-53-7	Dibromofluoromethane	51.7		70 (75) - 130 (124)	103%	SPK: 50
2037-26-5	Toluene-d8	50.7		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.6		70 (77) - 130 (121)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	59300	5.55			
540-36-3	1,4-Difluorobenzene	119000	6.757			
3114-55-4	Chlorobenzene-d5	114000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	49000	12.018			



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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	05/16/25
Project:	Somerset Hills Memorial Park	Date Received:	05/16/25
Client Sample ID:	MW-4	SDG No.:	Q2072
Lab Sample ID:	Q2072-03	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046250.D	1		05/16/25 18:02	VX051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS						
000078-78-4	Butane, 2-methyl-	11.0	J		1.74	ug/L
000079-29-8	Butane, 2,3-dimethyl-	6.70	J		2.78	ug/L
000691-38-3	2-Pentene, 4-methyl-, (Z)-	6.90	J		2.87	ug/L
000594-82-1	Butane, 2,2,3,3-tetramethyl-	10.2	J		6.24	ug/L
019037-72-0	Cyclopentene, 4,4-dimethyl-	5.10	J		7.17	ug/L
000565-75-3	Pentane, 2,3,4-trimethyl-	5.30	J		7.98	ug/L
135-98-8	sec-Butylbenzene	2.20	J		11.9	ug/L

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\VX051625\
 Data File : VX046250.D
 Acq On : 16 May 2025 18:02
 Operator : JC/MD
 Sample : Q2072-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

Quant Time: May 16 23:09:32 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)

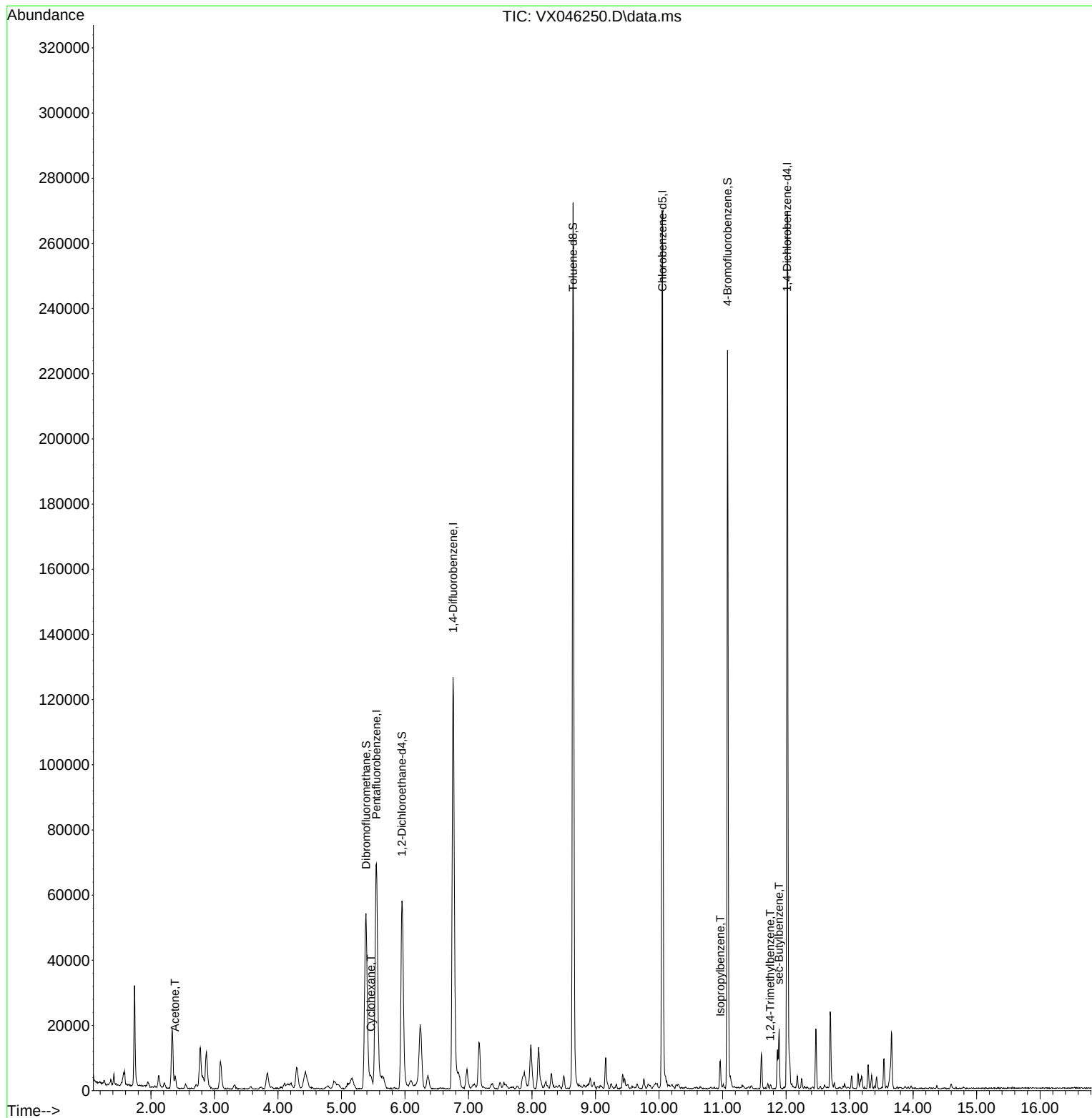
Internal Standards						
1) Pentafluorobenzene	5.550	168	59308	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	118728	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	114044	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	48994	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61032	55.198	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	110.400%
35) Dibromofluoromethane	5.385	113	44197	51.694	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.380%
50) Toluene-d8	8.647	98	149904	50.658	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.320%
62) 4-Bromofluorobenzene	11.079	95	57383	50.554	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	101.100%
Target Compounds						Qvalue
16) Acetone	2.379	43	4166	9.397	ug/l	99
31) Cyclohexane	5.464	56	1805	1.370	ug/l #	82
73) Isopropylbenzene	10.963	105	4200	1.101	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	869	0.269	ug/l	86
85) sec-Butylbenzene	11.890	105	8519	2.162	ug/l	94

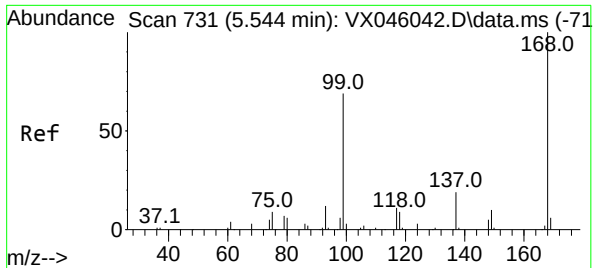
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051625\
Data File : VX046250.D
Acq On : 16 May 2025 18:02
Operator : JC/MD
Sample : Q2072-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-4

Quant Time: May 16 23:09:32 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

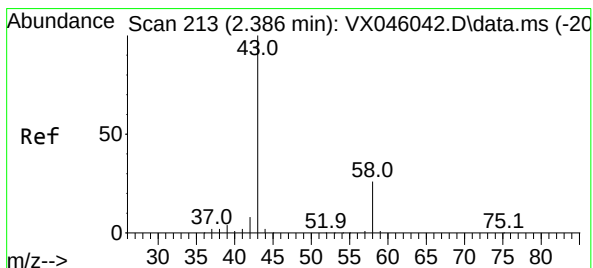
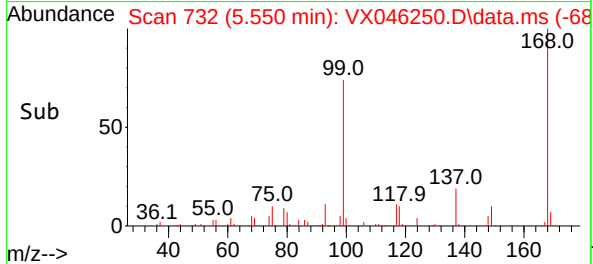
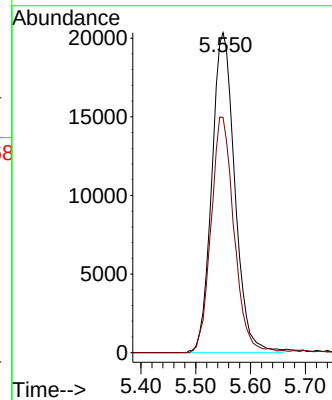
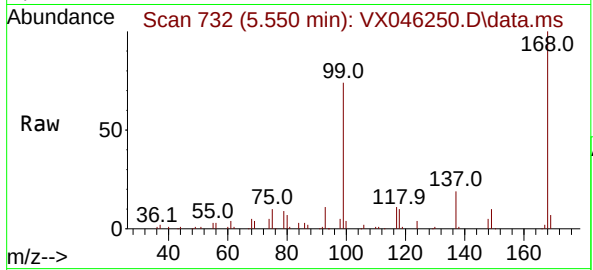




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046250.D
Acq: 16 May 2025 18:02

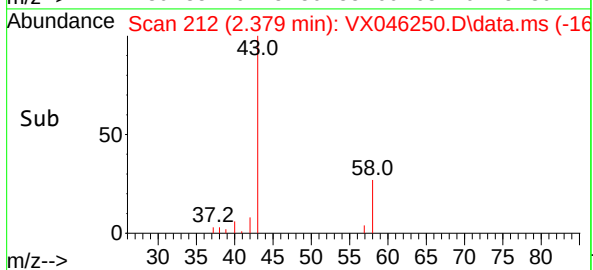
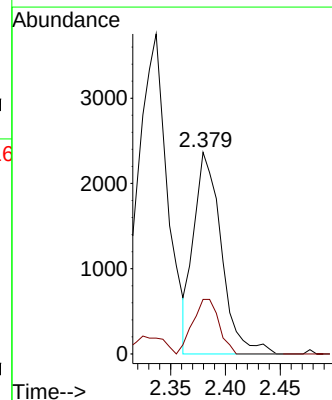
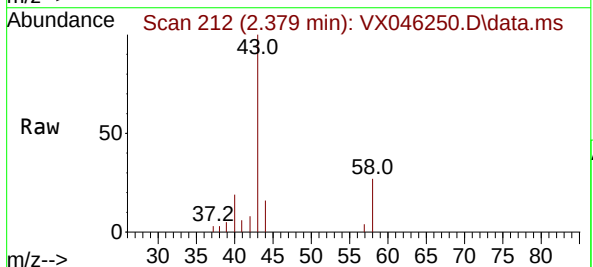
Instrument :
MSVOA_X
ClientSampleId :
MW-4

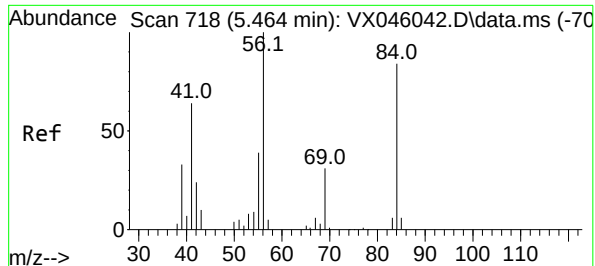
Tgt Ion:168 Resp: 59308
Ion Ratio Lower Upper
168 100
99 73.6 54.9 82.3



#16
Acetone
Concen: 9.397 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046250.D
Acq: 16 May 2025 18:02

Tgt Ion: 43 Resp: 4166
Ion Ratio Lower Upper
43 100
58 27.1 21.2 31.8





#31

Cyclohexane

Concen: 1.370 ug/l

RT: 5.464 min Scan# 718

Delta R.T. -0.000 min

Lab File: VX046250.D

Acq: 16 May 2025 18:02

Instrument :

MSVOA_X

ClientSampleId :

MW-4

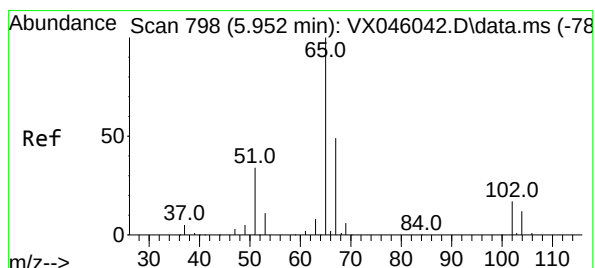
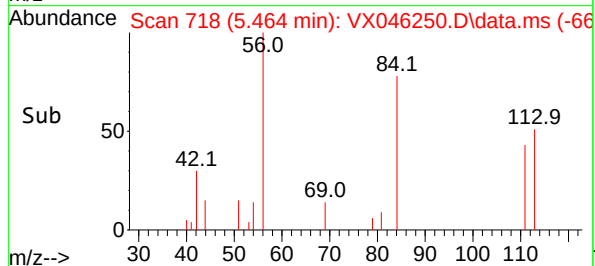
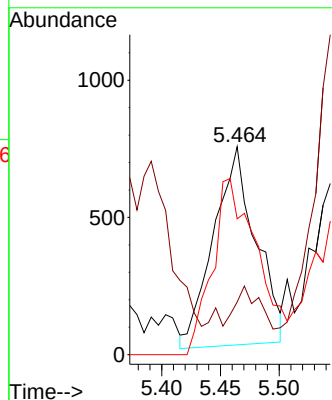
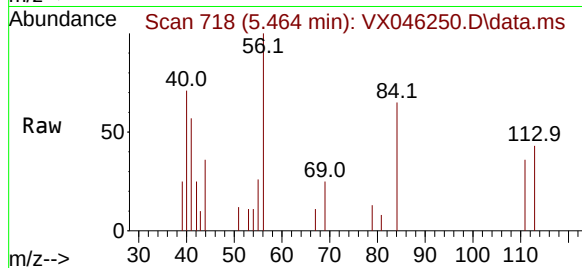
Tgt Ion: 56 Resp: 1805

Ion Ratio Lower Upper

56 100

69 13.7 24.4 36.6#

84 72.1 66.9 100.3



#33

1,2-Dichloroethane-d4

Concen: 55.198 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX046250.D

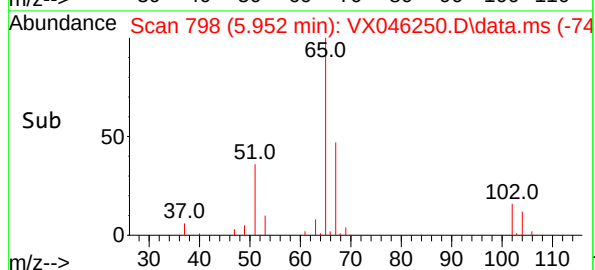
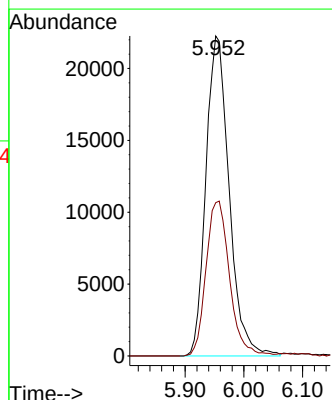
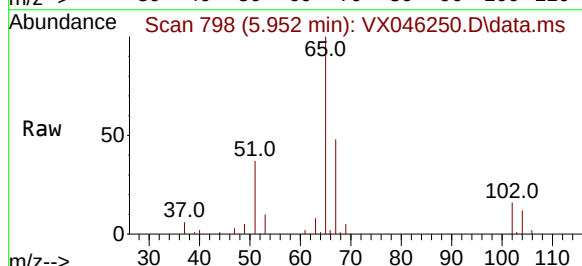
Acq: 16 May 2025 18:02

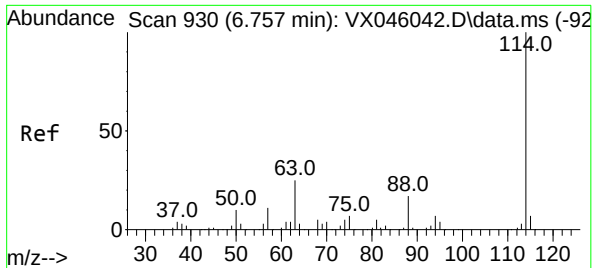
Tgt Ion: 65 Resp: 61032

Ion Ratio Lower Upper

65 100

67 49.0 0.0 99.0

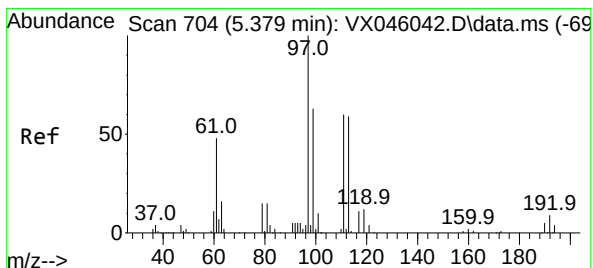
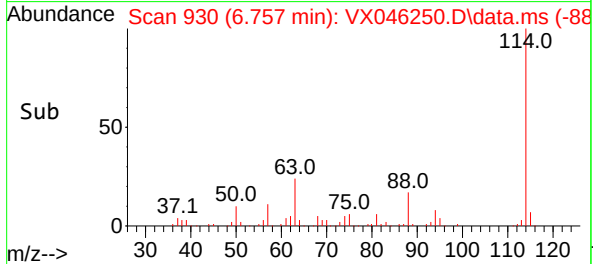
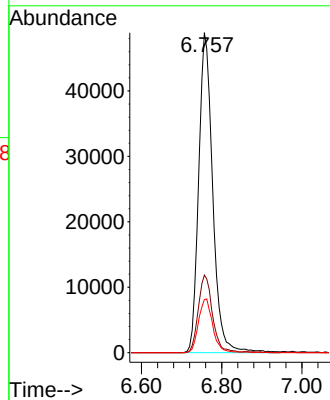
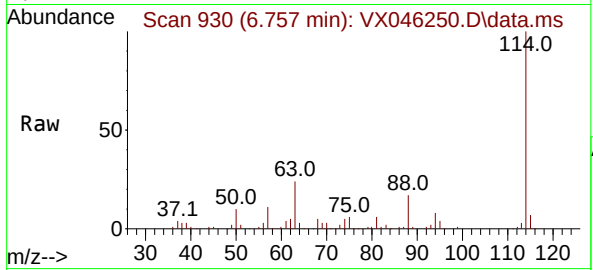




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX046250.D
Acq: 16 May 2025 18:02

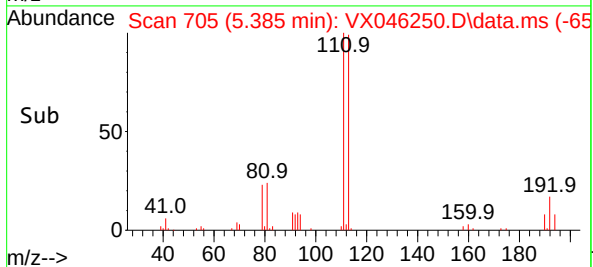
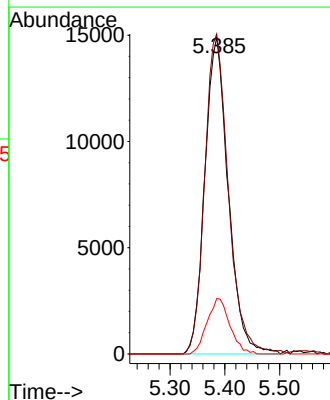
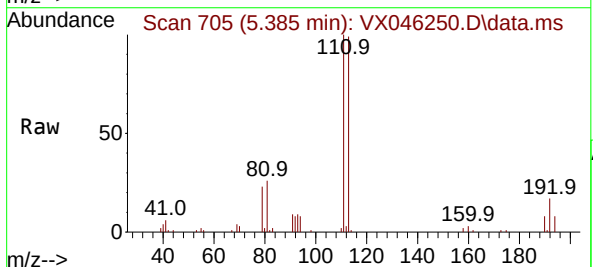
Instrument :
MSVOA_X
ClientSampleId :
MW-4

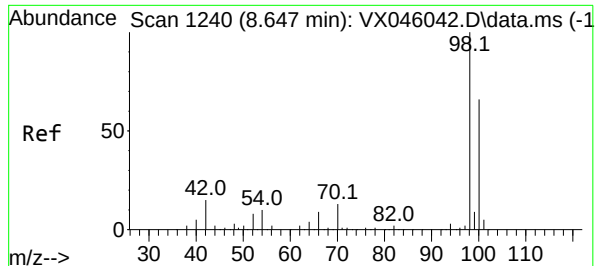
Tgt Ion:114 Resp: 118728
Ion Ratio Lower Upper
114 100
63 24.3 0.0 49.2
88 16.6 0.0 33.6



#35
Dibromofluoromethane
Concen: 51.694 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX046250.D
Acq: 16 May 2025 18:02

Tgt Ion:113 Resp: 44197
Ion Ratio Lower Upper
113 100
111 102.2 83.1 124.7
192 17.0 13.3 19.9





#50

Toluene-d8

Concen: 50.658 ug/l

RT: 8.647 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX046250.D

Acq: 16 May 2025 18:02

Instrument :

MSVOA_X

ClientSampleId :

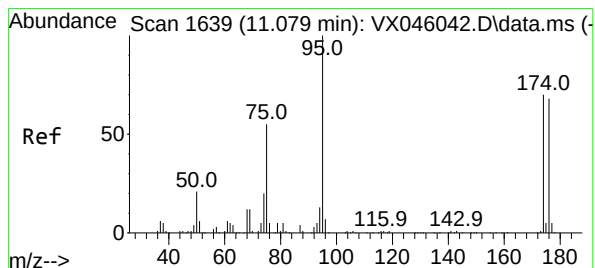
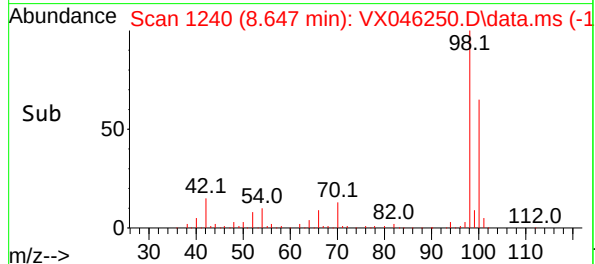
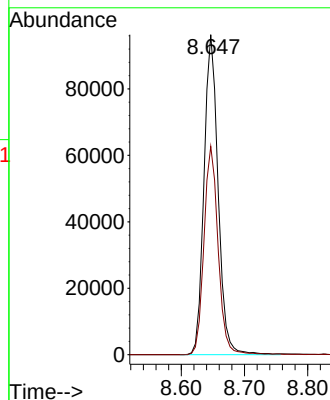
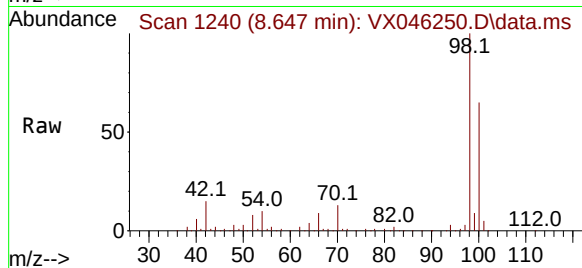
MW-4

Tgt Ion: 98 Resp: 149904

Ion Ratio Lower Upper

98 100

100 65.4 53.5 80.3



#62

4-Bromofluorobenzene

Concen: 50.554 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX046250.D

Acq: 16 May 2025 18:02

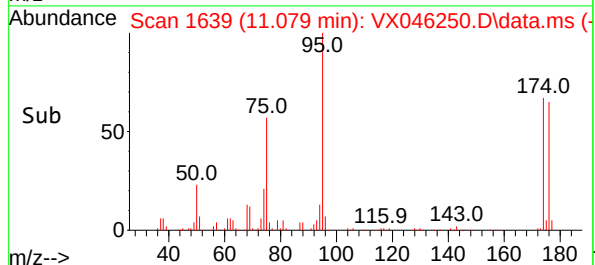
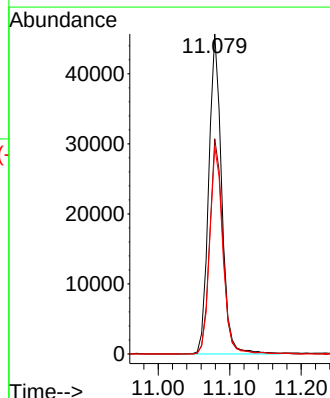
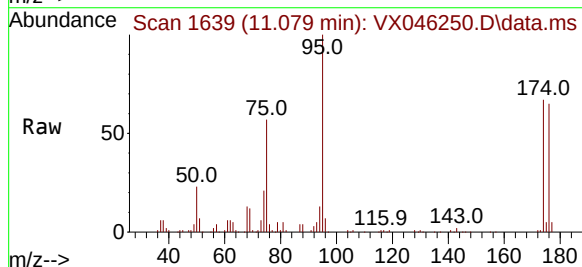
Tgt Ion: 95 Resp: 57383

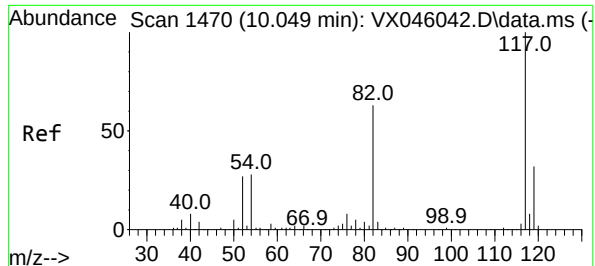
Ion Ratio Lower Upper

95 100

174 68.6 0.0 135.8

176 65.5 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: VX046250.D

Acq: 16 May 2025 18:02

Instrument :

MSVOA_X

ClientSampleId :

MW-4

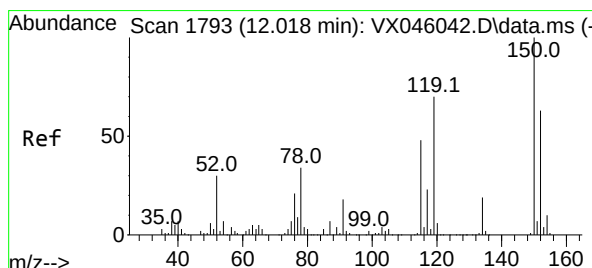
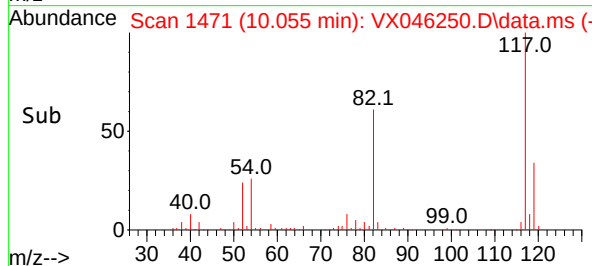
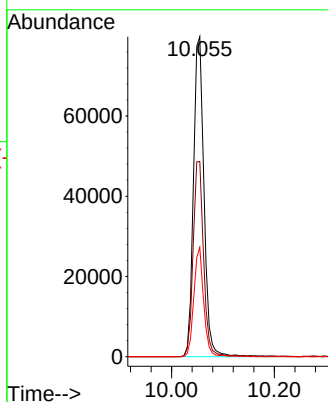
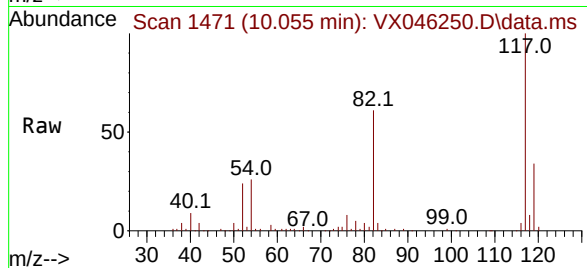
Tgt Ion:117 Resp: 114044

Ion Ratio Lower Upper

117 100

82 61.0 50.6 76.0

119 34.1 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: VX046250.D

Acq: 16 May 2025 18:02

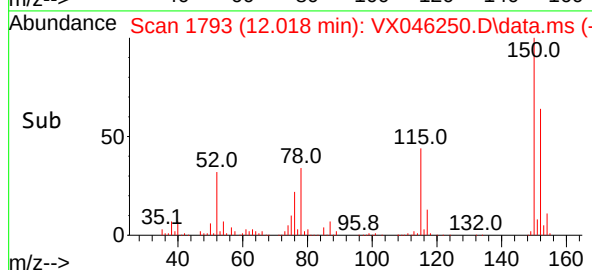
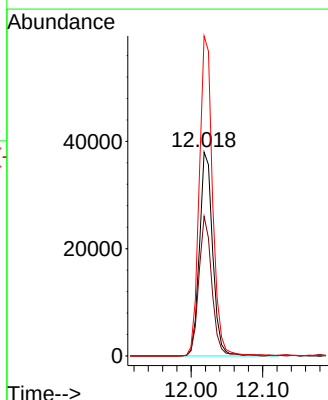
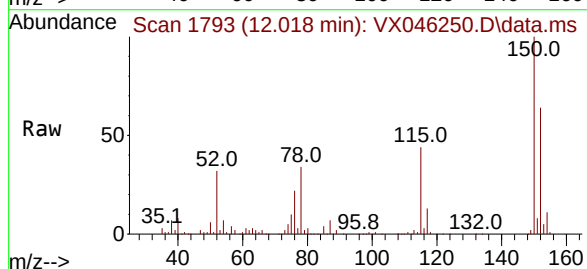
Tgt Ion:152 Resp: 48994

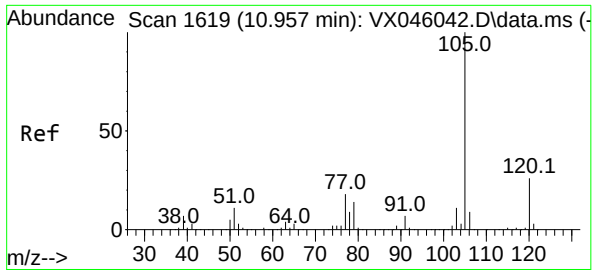
Ion Ratio Lower Upper

152 100

115 66.7 46.9 140.7

150 157.4 0.0 351.0

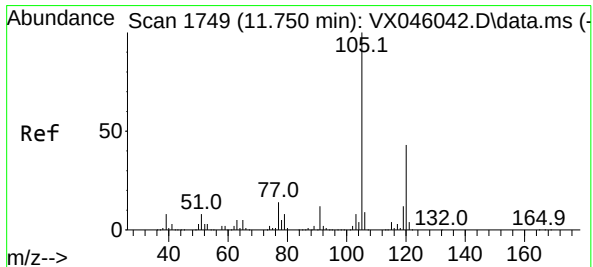
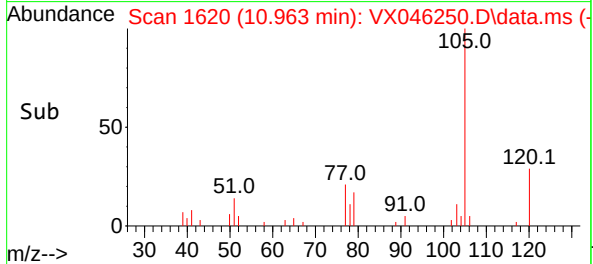
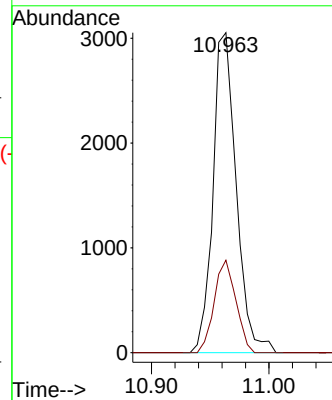
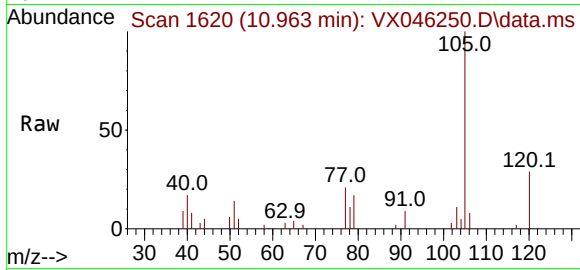




#73
Isopropylbenzene
Concen: 1.101 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX046250.D
Acq: 16 May 2025 18:02

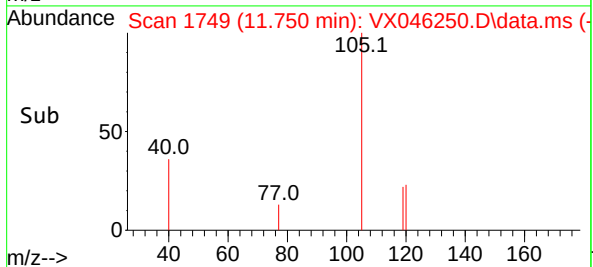
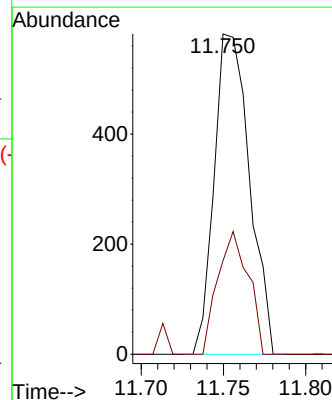
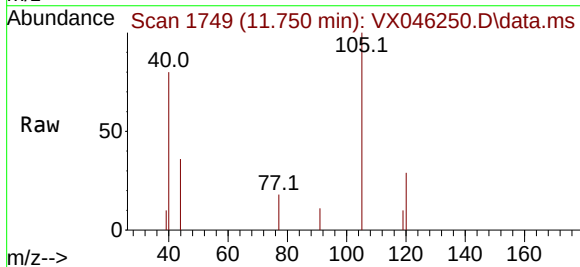
Instrument :
MSVOA_X
ClientSampleId :
MW-4

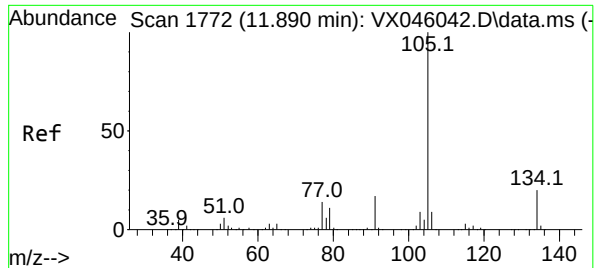
Tgt Ion:105 Resp: 4200
Ion Ratio Lower Upper
105 100
120 26.9 12.8 38.4



#84
1,2,4-Trimethylbenzene
Concen: 0.269 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046250.D
Acq: 16 May 2025 18:02

Tgt Ion:105 Resp: 869
Ion Ratio Lower Upper
105 100
120 33.3 21.2 63.6





#85

sec-Butylbenzene

Concen: 2.162 ug/l

RT: 11.890 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX046250.D

Acq: 16 May 2025 18:02

Instrument :

MSVOA_X

ClientSampleId :

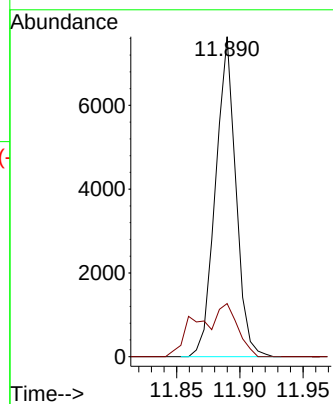
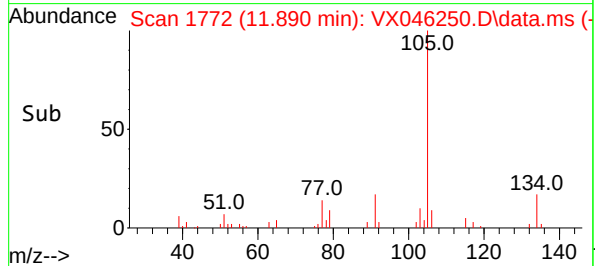
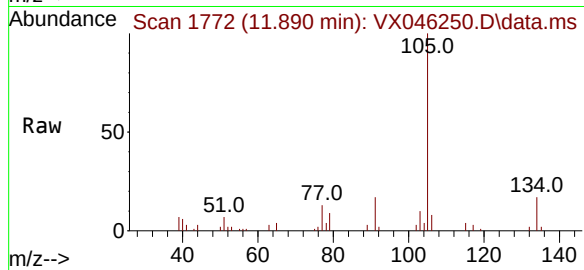
MW-4

Tgt Ion:105 Resp: 8519

Ion Ratio Lower Upper

105 100

134 16.7 9.7 29.1



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051625\
 Data File : VX046250.D
 Acq On : 16 May 2025 18:02
 Operator : JC/MD
 Sample : Q2072-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Title : SW846 8260

Signal : TIC: VX046250.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.739	101	107	117	rVB	30739	42269	9.88%	1.428%
2	2.123	165	170	178	rVV2	3694	7297	1.71%	0.247%
3	2.331	198	204	209	rBV	18055	35739	8.35%	1.208%
4	2.379	209	212	220	rVB	3807	6661	1.56%	0.225%
5	2.776	270	277	282	rBV2	11860	25830	6.04%	0.873%
6	2.873	287	293	304	rVB3	11119	26533	6.20%	0.897%
7	3.093	321	329	339	rBB2	8395	19219	4.49%	0.649%
8	3.837	442	451	459	rBV4	4852	13154	3.07%	0.444%
9	4.294	518	526	536	rVB3	6345	17204	4.02%	0.581%
10	4.434	538	549	561	rVB8	5022	18174	4.25%	0.614%
11	5.166	664	669	682	rVB7	3381	11079	2.59%	0.374%
12	5.385	693	705	715	rBV3	53839	161170	37.66%	5.446%
13	5.550	723	732	743	rBV	67403	193062	45.11%	6.524%
14	5.952	790	798	811	rBV	57676	157151	36.72%	5.310%
15	6.092	815	821	828	rVV9	2494	8276	1.93%	0.280%
16	6.239	832	845	855	rVV3	19675	63229	14.77%	2.137%
17	6.360	857	865	874	rVB4	4056	11099	2.59%	0.375%
18	6.757	922	930	942	rBV	126348	311194	72.71%	10.515%
19	6.976	959	966	976	rBV2	5867	13609	3.18%	0.460%
20	7.165	989	997	1006	rVB2	13794	31544	7.37%	1.066%
21	7.379	1023	1032	1039	rVB5	1599	4453	1.04%	0.150%
22	7.494	1044	1051	1056	rBV5	2030	4478	1.05%	0.151%
23	7.878	1101	1114	1121	rBV8	5093	17691	4.13%	0.598%
24	7.982	1123	1131	1142	rVB2	13511	32651	7.63%	1.103%
25	8.104	1142	1151	1162	rBV4	12770	29327	6.85%	0.991%
26	8.305	1178	1184	1192	rBV5	4517	8823	2.06%	0.298%
27	8.500	1210	1216	1221	rBV5	3999	7448	1.74%	0.252%
28	8.647	1231	1240	1253	rBV	271883	427972	100.00%	14.461%
29	8.982	1289	1295	1300	rVB6	2141	4576	1.07%	0.155%
30	9.159	1319	1324	1333	rVB2	9595	16517	3.86%	0.558%
31	9.427	1364	1368	1371	rBV2	4041	5985	1.40%	0.202%
32	9.762	1418	1423	1428	rBV5	3000	4919	1.15%	0.166%
33	10.049	1465	1470	1484	rBV	268745	385529	90.08%	13.027%
34	10.963	1614	1620	1625	rBV	8513	12345	2.88%	0.417%
35	11.079	1634	1639	1653	rBV	226462	288308	67.37%	9.742%
36	11.610	1722	1726	1732	rBV	10755	14233	3.33%	0.481%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051625\
Data File : VX046250.D
Acq On : 16 May 2025 18:02
Operator : JC/MD
Sample : Q2072-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-4

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Title : SW846 8260

37	11.866	1763	1768	1769	rBV	12002	13948	3.26%	0.471%
38	11.890	1769	1772	1778	rVB	18267	21572	5.04%	0.729%
39	12.018	1788	1793	1804	rBV	268801	345013	80.62%	11.658%
40	12.176	1815	1819	1825	rVB2	3886	5155	1.20%	0.174%
41	12.469	1862	1867	1872	rVB	18421	23918	5.59%	0.808%
42	12.695	1900	1904	1912	rBV	23388	32831	7.67%	1.109%
43	13.030	1954	1959	1963	rBV	3885	5076	1.19%	0.172%
44	13.134	1971	1976	1979	rBV	4574	6102	1.43%	0.206%
45	13.188	1983	1985	1991	rVB2	3896	5194	1.21%	0.176%
46	13.292	1997	2002	2007	rBV3	7348	9357	2.19%	0.316%
47	13.347	2007	2011	2014	rVV3	3932	4758	1.11%	0.161%
48	13.426	2020	2024	2029	rVB2	3646	5033	1.18%	0.170%
49	13.542	2039	2043	2047	rVB2	9010	11645	2.72%	0.393%
50	13.658	2052	2062	2068	rVB	17260	31075	7.26%	1.050%

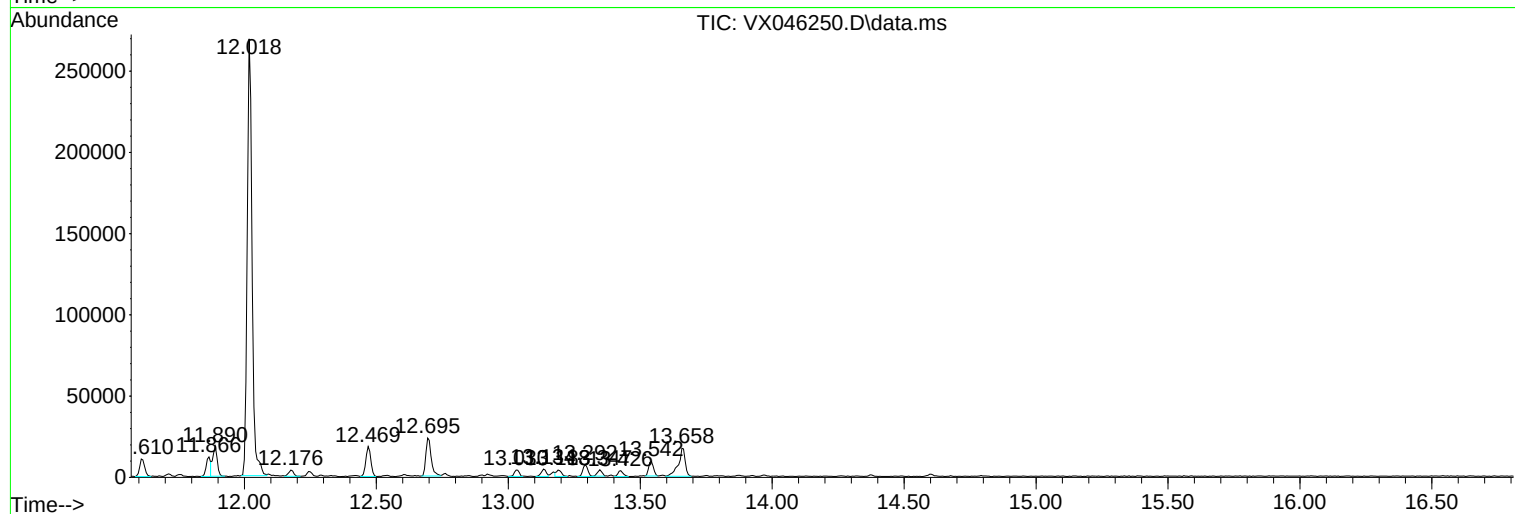
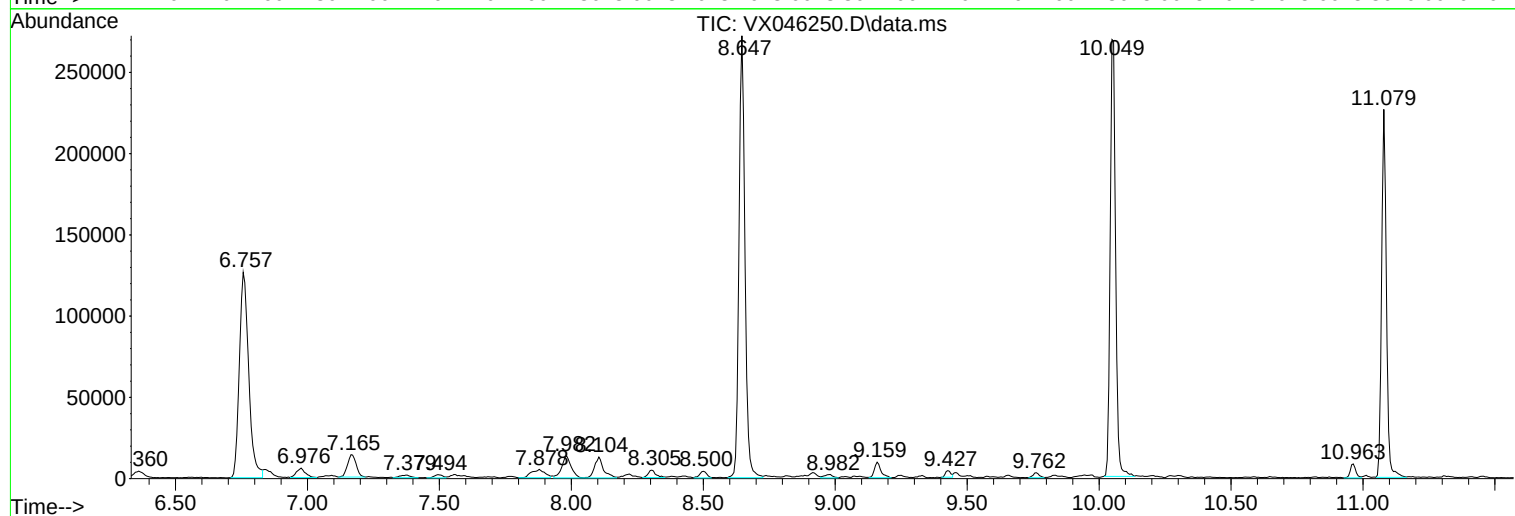
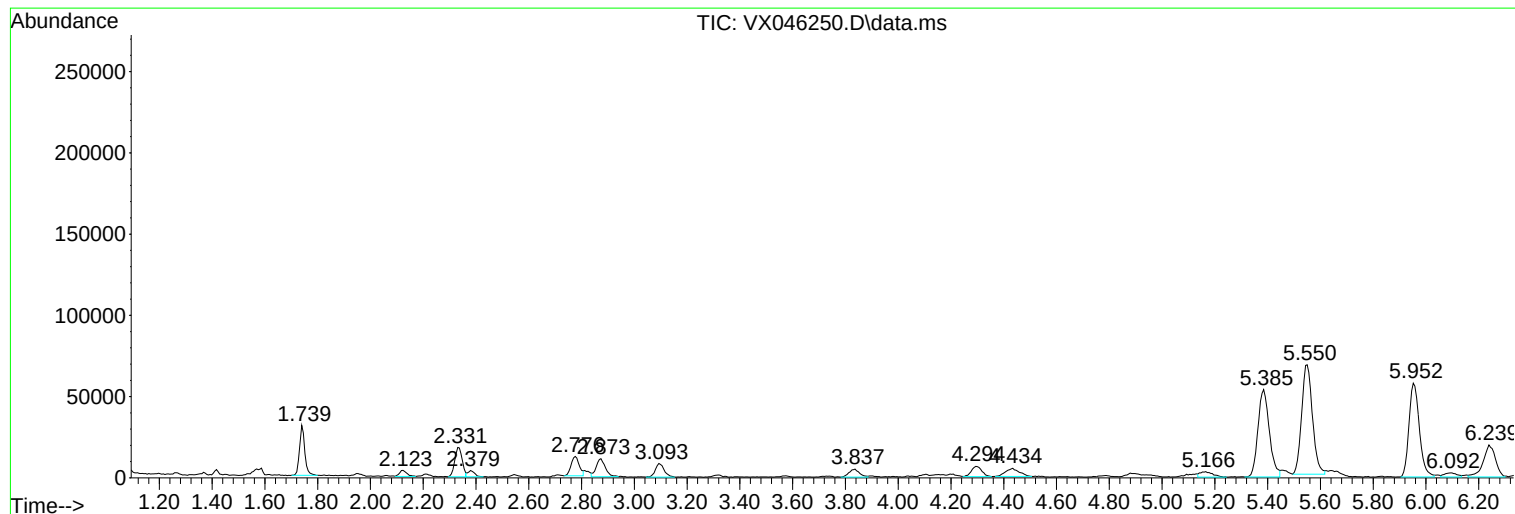
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Data File : VX046250.D
Acq On : 16 May 2025 18:02
Operator : JC/MD
Sample : Q2072-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051625\
Data File : VX046250.D
Acq On : 16 May 2025 18:02
Operator : JC/MD
Sample : Q2072-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-4

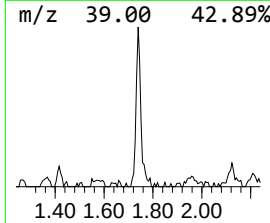
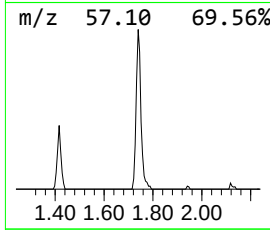
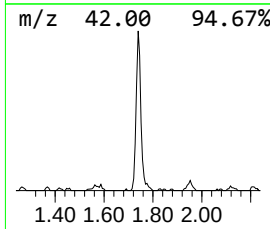
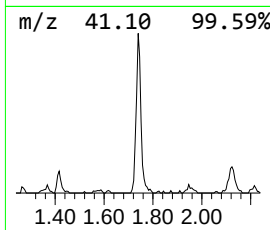
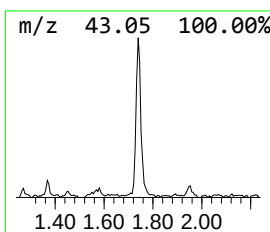
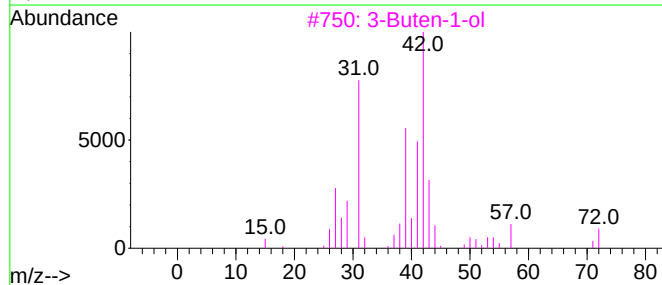
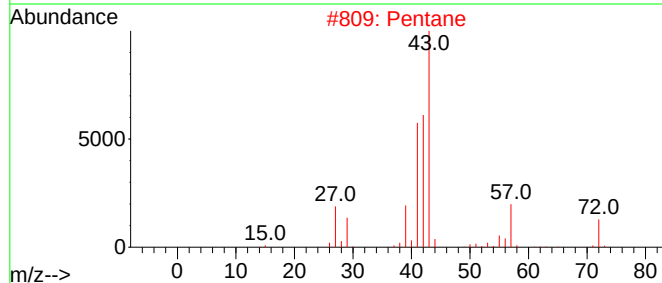
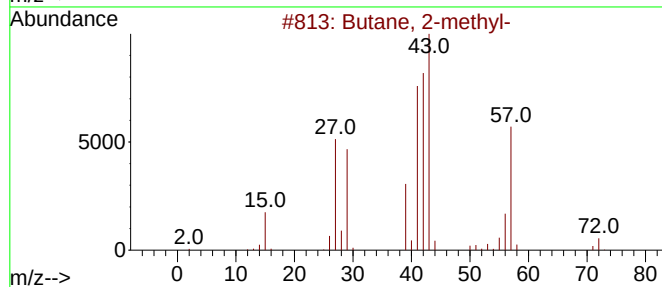
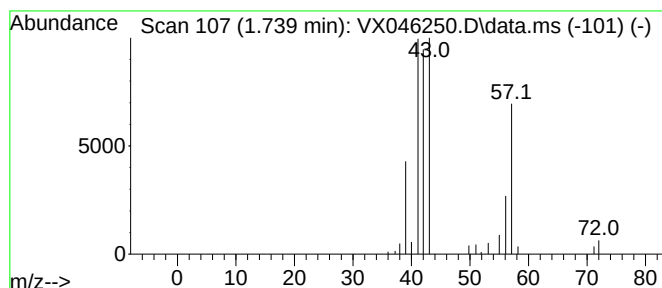
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Butane, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.739	10.95 ug/l	42269	Pentafluorobenzene	5.550

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methyl-	72	C5H12	000078-78-4	64
2			Pentane	72	C5H12	000109-66-0	36
3			3-Buten-1-ol	72	C4H8O	000627-27-0	33
4			1-Butene	56	C4H8	000106-98-9	10
5			Butane, 1-chloro-2-methyl-	106	C5H11Cl	000616-13-7	10



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051625\
Data File : VX046250.D
Acq On : 16 May 2025 18:02
Operator : JC/MD
Sample : Q2072-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-4

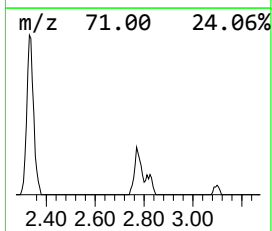
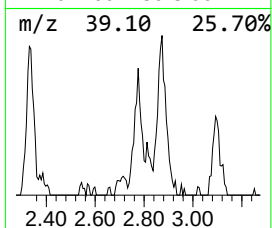
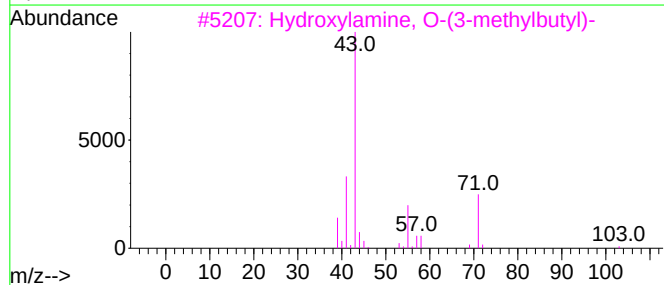
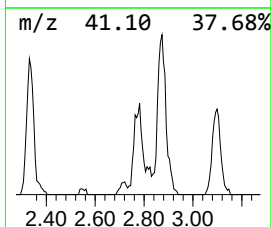
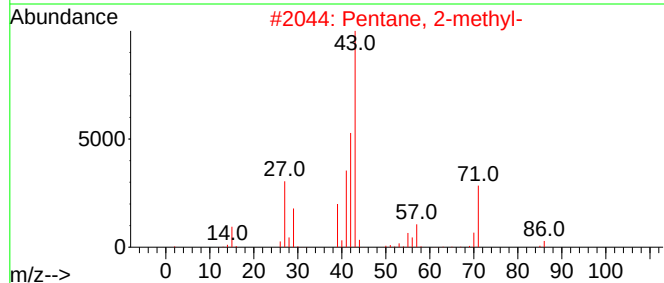
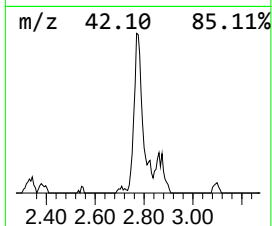
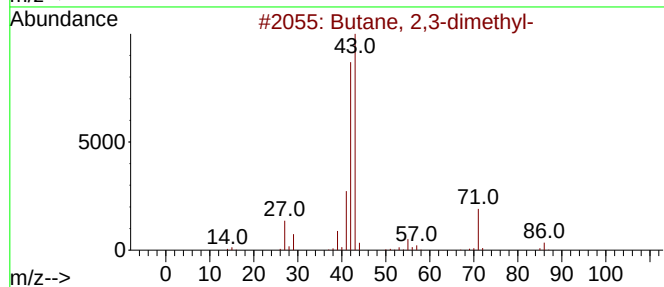
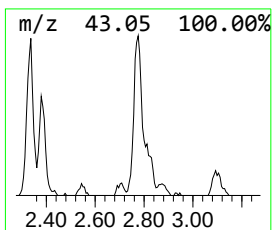
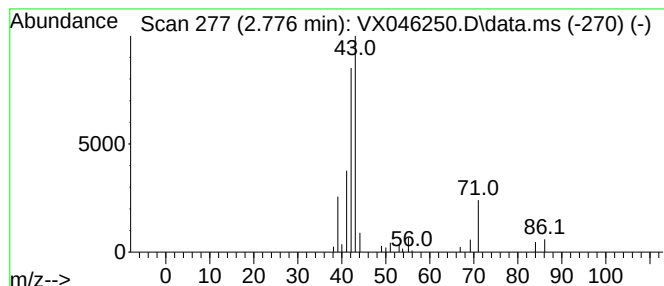
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Butane, 2,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.776	6.69 ug/l	25830	Pentafluorobenzene	5.550

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	72
2			Pentane, 2-methyl-	86	C6H14	000107-83-5	23
3			Hydroxylamine, O-(3-methylbutyl)-	103	C5H13NO	019411-65-5	9
4			2-Oxetanone, 4-methylene-	84	C4H4O2	000674-82-8	5
5			Furan, tetrahydro-2-methyl-	86	C5H10O	000096-47-9	5



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051625\
Data File : VX046250.D
Acq On : 16 May 2025 18:02
Operator : JC/MD
Sample : Q2072-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-4

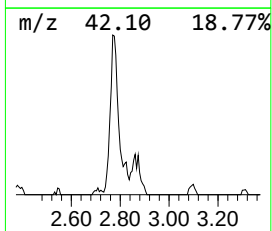
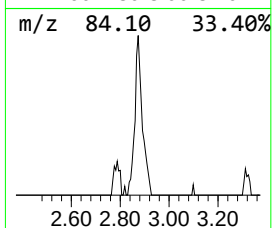
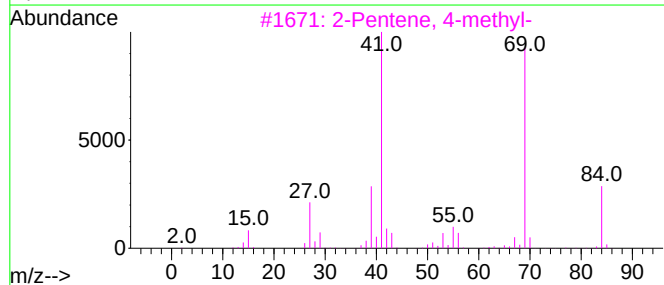
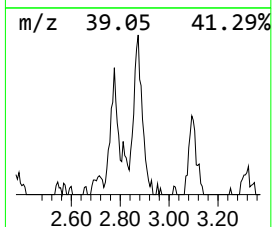
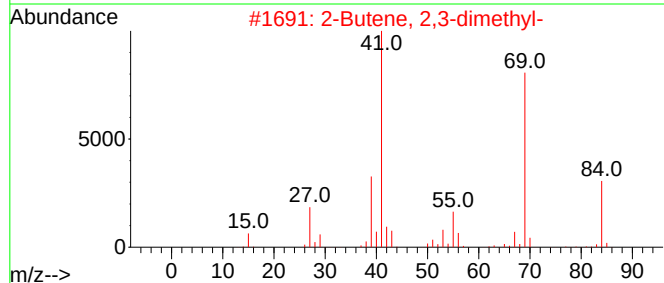
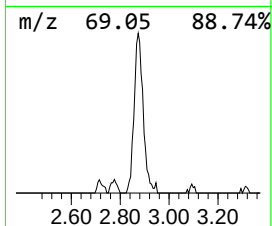
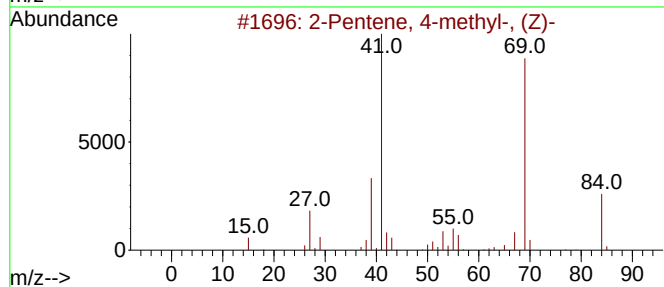
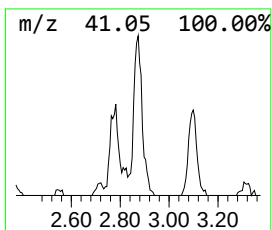
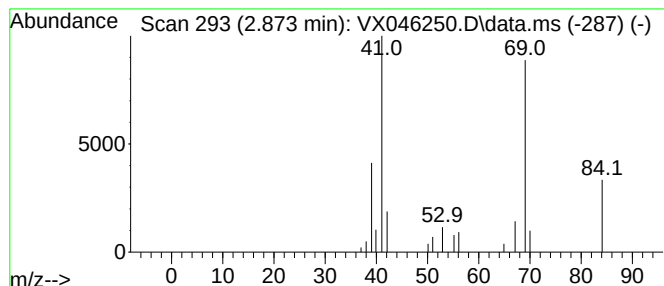
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 2-Pentene, 4-methyl-, (Z)- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.873	6.87 ug/l	26533	Pentafluorobenzene	5.550

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Pentene, 4-methyl-, (Z)-	84	C6H12	000691-38-3	74
2		2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	72
3		2-Pentene, 4-methyl-	84	C6H12	004461-48-7	64
4		2-Pentene, 4-methyl-, (E)-	84	C6H12	000674-76-0	64
5		1-Butene, 2,3-dimethyl-	84	C6H12	000563-78-0	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051625\
Data File : VX046250.D
Acq On : 16 May 2025 18:02
Operator : JC/MD
Sample : Q2072-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-4

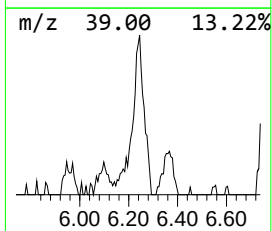
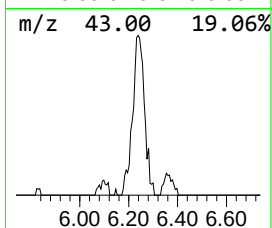
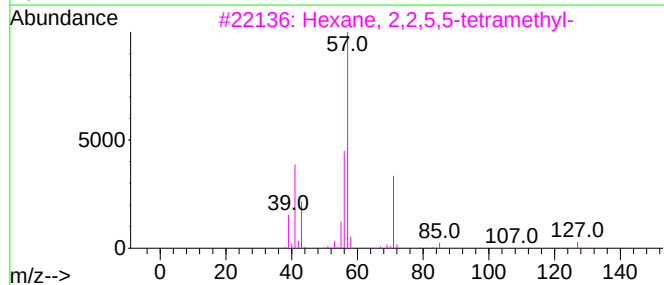
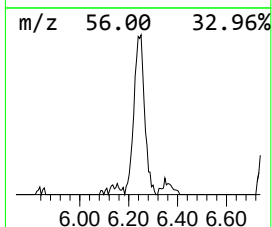
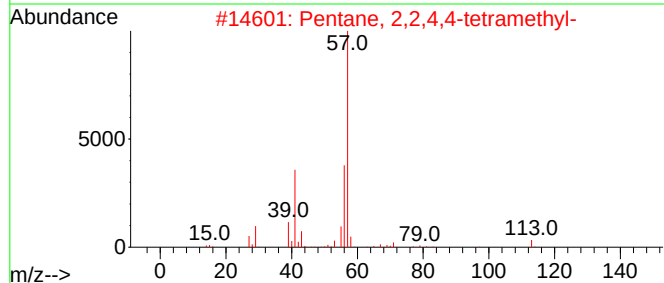
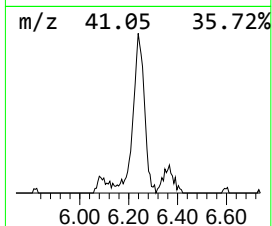
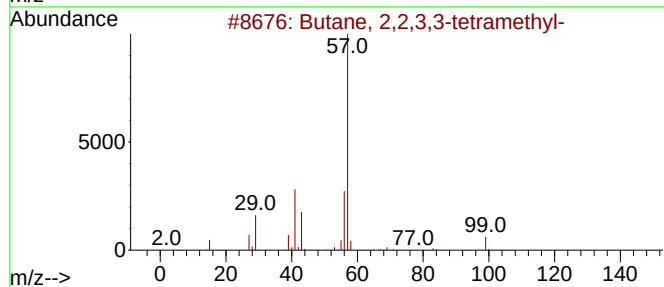
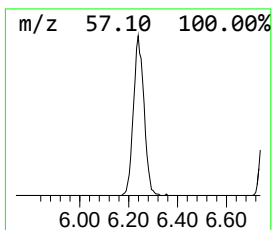
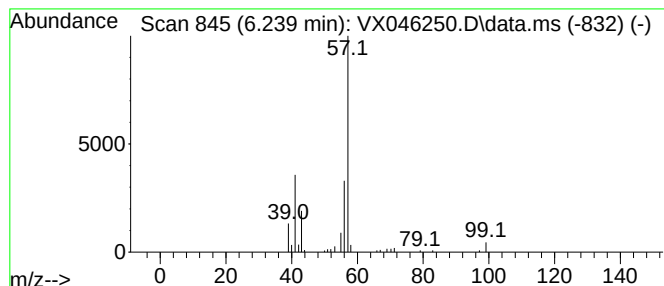
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Butane, 2,2,3,3-tetramethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.239	10.16 ug/l	63229	1,4-Difluorobenzene	6.757

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	64
2			Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	64
3			Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	47
4			Pentane, 2,2,3-trimethyl-	114	C8H18	000564-02-3	45
5			Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051625\
Data File : VX046250.D
Acq On : 16 May 2025 18:02
Operator : JC/MD
Sample : Q2072-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-4

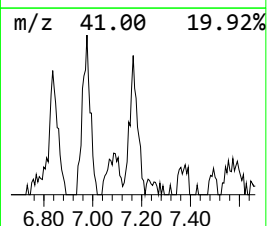
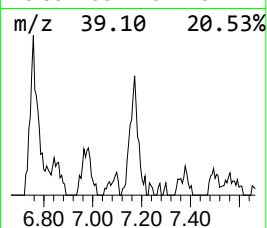
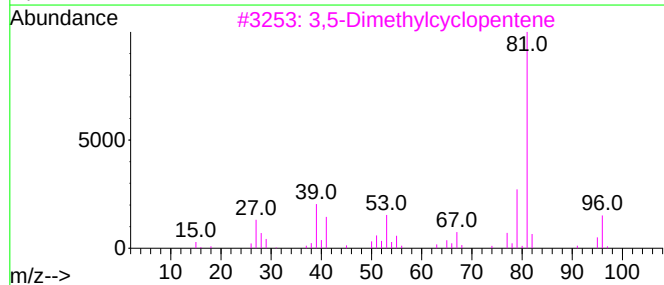
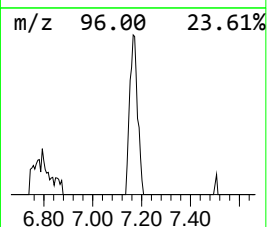
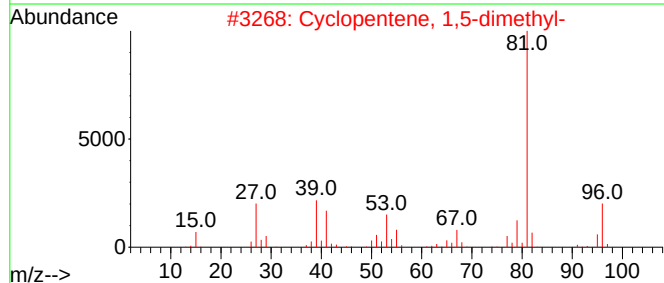
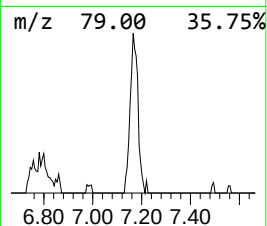
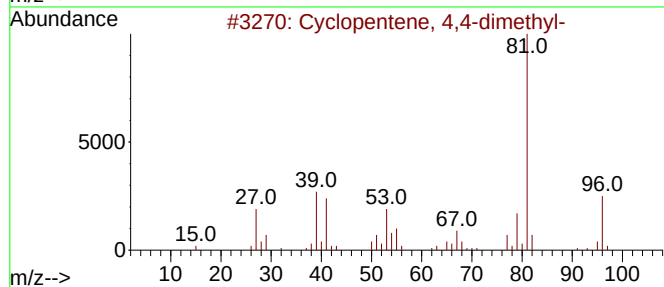
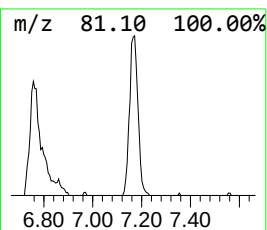
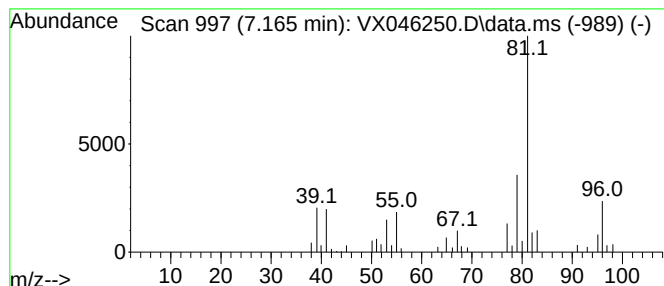
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Cyclopentene, 4,4-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.165	5.07 ug/l	31544	1,4-Difluorobenzene	6.757

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	80
2			Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	72
3			3,5-Dimethylcyclopentene	96	C7H12	007459-71-4	72
4			Cyclopropane, 1-methyl-1-isoprop...	96	C7H12	003422-07-9	64
5			Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051625\
Data File : VX046250.D
Acq On : 16 May 2025 18:02
Operator : JC/MD
Sample : Q2072-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-4

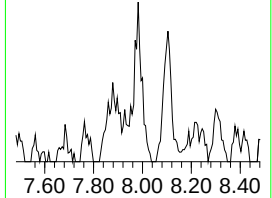
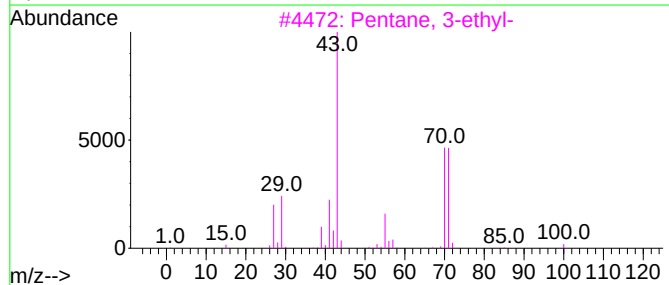
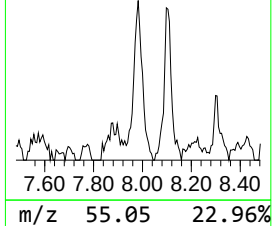
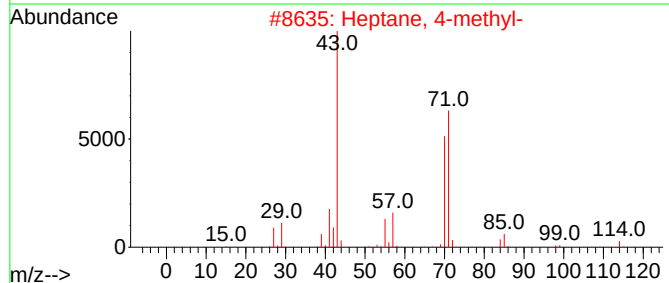
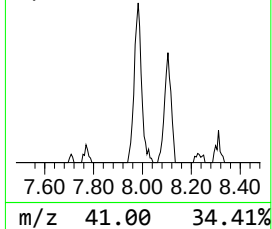
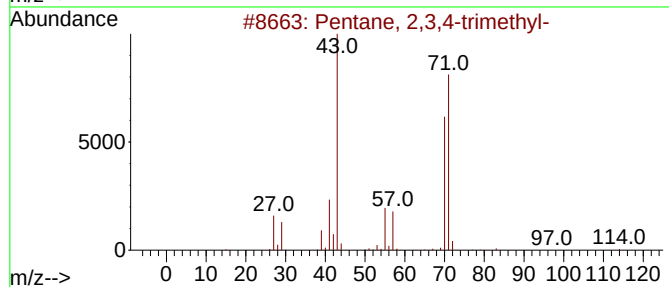
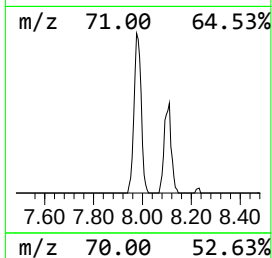
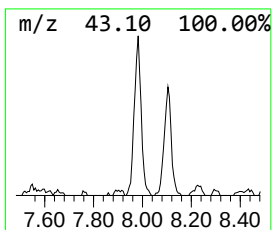
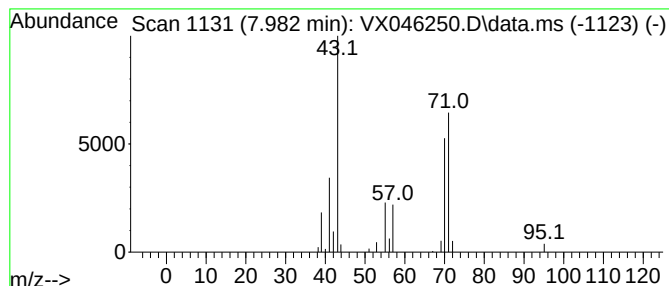
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Pentane, 2,3,4-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.982	5.25 ug/l	32651	1,4-Difluorobenzene	6.757

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	83
2			Heptane, 4-methyl-	114	C8H18	000589-53-7	78
3			Pentane, 3-ethyl-	100	C7H16	000617-78-7	78
4			Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	78
5			Propanoic acid, 2-methyl-, 3-met...	158	C9H18O2	002050-01-3	56



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051625\
Data File : VX046250.D
Acq On : 16 May 2025 18:02
Operator : JC/MD
Sample : Q2072-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-methyl-	1.739	10.9	ug/l	42269	1	5.550	193062	50.0
Butane, 2,3-dim...	2.776	6.7	ug/l	25830	1	5.550	193062	50.0
2-Pentene, 4-me...	2.873	6.9	ug/l	26533	1	5.550	193062	50.0
Butane, 2,2,3,3...	6.239	10.2	ug/l	63229	2	6.757	311194	50.0
Cyclopentene, 4...	7.165	5.1	ug/l	31544	2	6.757	311194	50.0
Pentane, 2,3,4-...	7.982	5.3	ug/l	32651	2	6.757	311194	50.0

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	05/16/25
Project:	Somerset Hills Memorial Park	Date Received:	05/16/25
Client Sample ID:	MW-6	SDG No.:	Q2072
Lab Sample ID:	Q2072-04	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046251.D	1		05/16/25 18:26	VX051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	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
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	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
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	05/16/25
Project:	Somerset Hills Memorial Park	Date Received:	05/16/25
Client Sample ID:	MW-6	SDG No.:	Q2072
Lab Sample ID:	Q2072-04	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046251.D	1		05/16/25 18:26	VX051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	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
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.14	U	0.14	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.5		70 (74) - 130 (125)	113%	SPK: 50
1868-53-7	Dibromofluoromethane	52.9		70 (75) - 130 (124)	106%	SPK: 50
2037-26-5	Toluene-d8	51.2		70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.5		70 (77) - 130 (121)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	56600	5.55			
540-36-3	1,4-Difluorobenzene	113000	6.757			
3114-55-4	Chlorobenzene-d5	110000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	46000	12.024			

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	05/16/25
Project:	Somerset Hills Memorial Park	Date Received:	05/16/25
Client Sample ID:	MW-6	SDG No.:	Q2072
Lab Sample ID:	Q2072-04	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046251.D	1		05/16/25 18:26	VX051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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\VX051625\
 Data File : VX046251.D
 Acq On : 16 May 2025 18:26
 Operator : JC/MD
 Sample : Q2072-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-6

Quant Time: May 16 23:10:02 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	56586	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	113386	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	109564	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	45951	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	59622	56.517	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	113.040%
35) Dibromofluoromethane	5.379	113	43229	52.944	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.880%
50) Toluene-d8	8.647	98	144602	51.168	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.340%
62) 4-Bromofluorobenzene	11.079	95	54767	50.522	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	101.040%

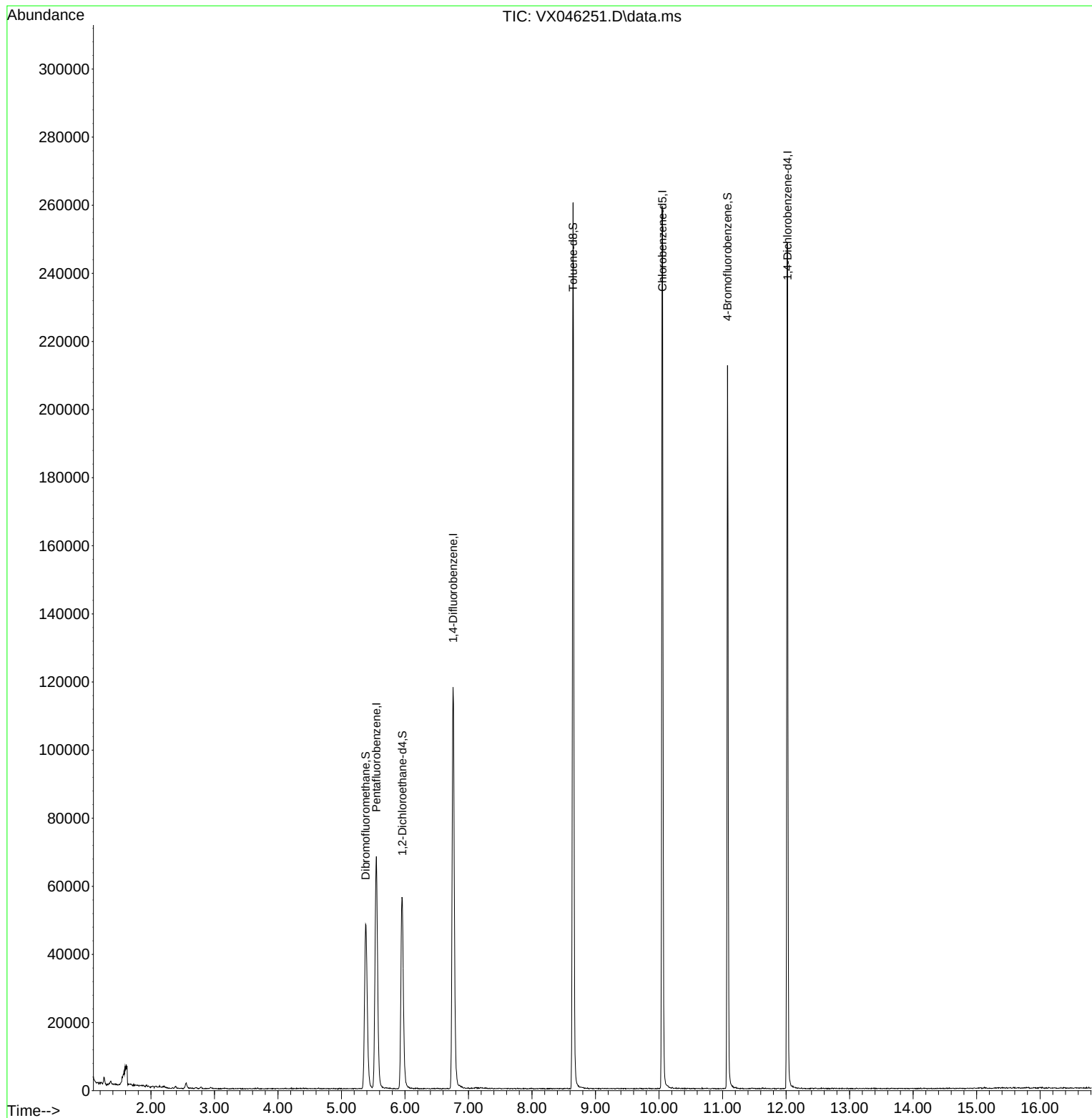
Target Compounds	Qvalue

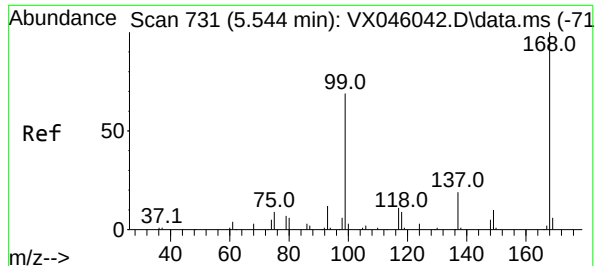
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051625\
Data File : VX046251.D
Acq On : 16 May 2025 18:26
Operator : JC/MD
Sample : Q2072-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-6

Quant Time: May 16 23:10:02 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

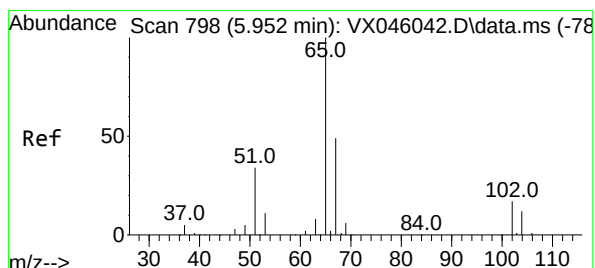
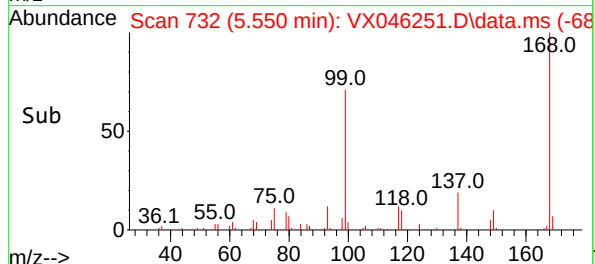
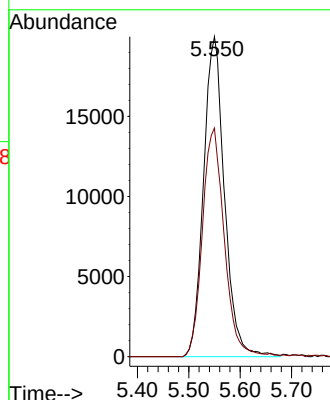
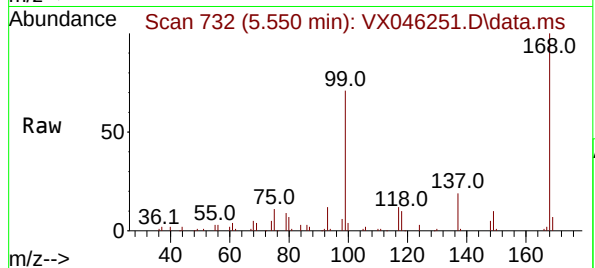




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046251.D
Acq: 16 May 2025 18:26

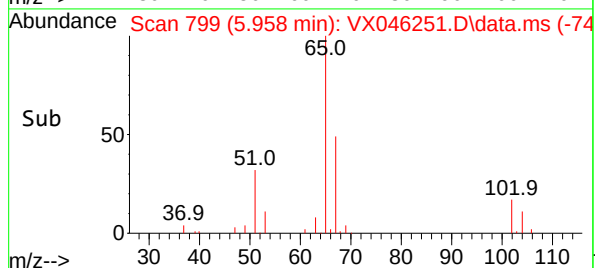
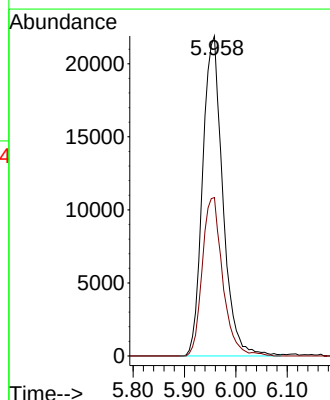
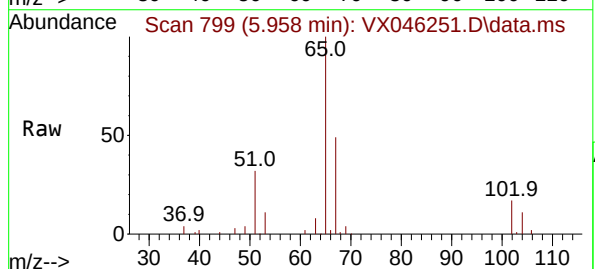
Instrument :
MSVOA_X
ClientSampleId :
MW-6

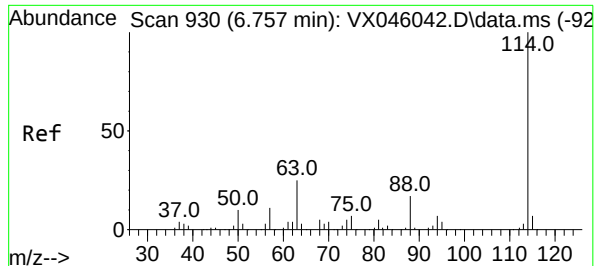
Tgt Ion:168 Resp: 56586
Ion Ratio Lower Upper
168 100
99 71.5 54.9 82.3



#33
1,2-Dichloroethane-d4
Concen: 56.517 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX046251.D
Acq: 16 May 2025 18:26

Tgt Ion: 65 Resp: 59622
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# 91

Delta R.T. -0.000 min

Lab File: VX046251.D

Acq: 16 May 2025 18:26

Instrument :

MSVOA_X

ClientSampleId :

MW-6

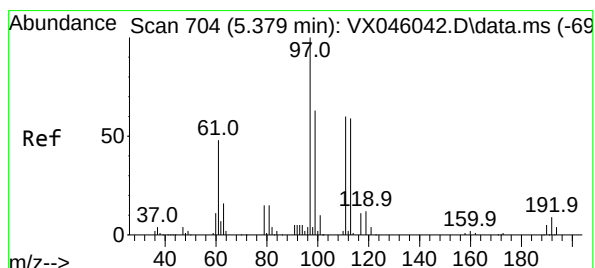
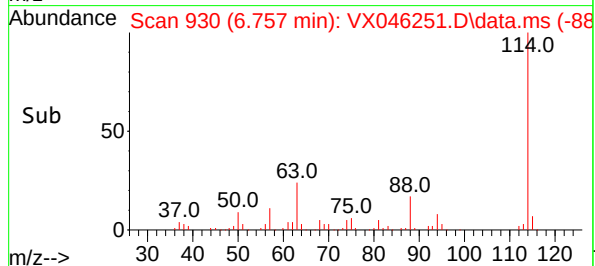
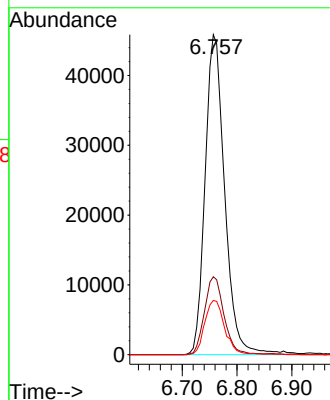
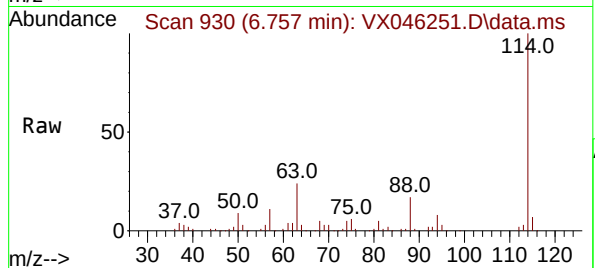
Tgt Ion:114 Resp: 113386

Ion Ratio Lower Upper

114 100

63 24.3 0.0 49.2

88 17.0 0.0 33.6



#35

Dibromofluoromethane

Concen: 52.944 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX046251.D

Acq: 16 May 2025 18:26

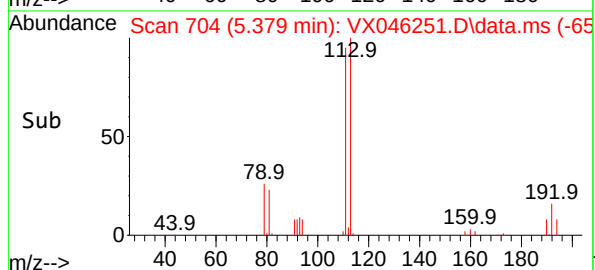
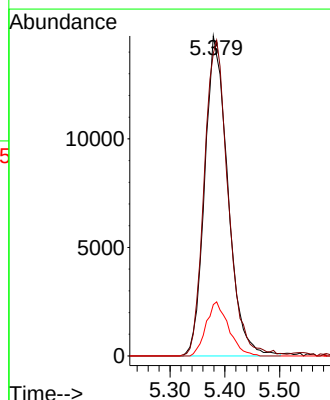
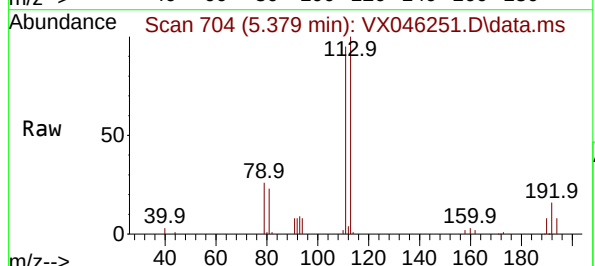
Tgt Ion:113 Resp: 43229

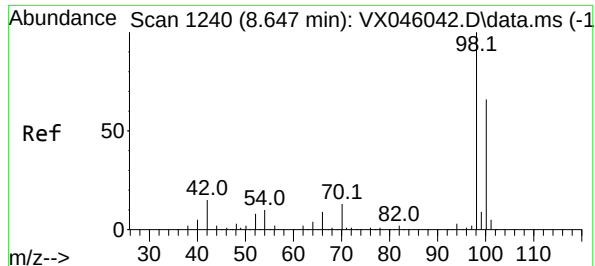
Ion Ratio Lower Upper

113 100

111 101.9 83.1 124.7

192 16.4 13.3 19.9

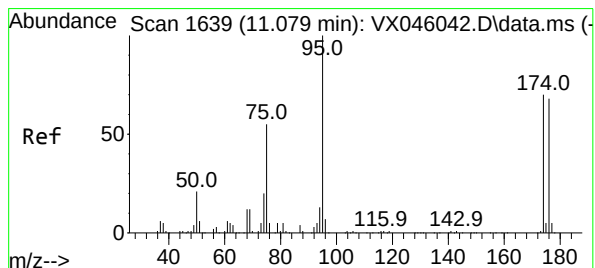
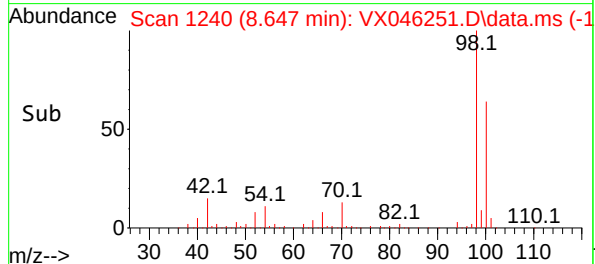
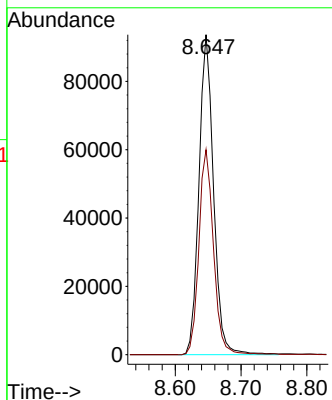
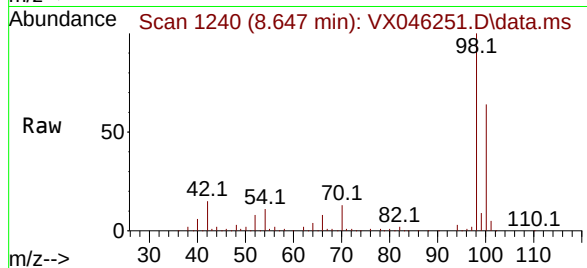




#50
Toluene-d8
Concen: 51.168 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046251.D
Acq: 16 May 2025 18:26

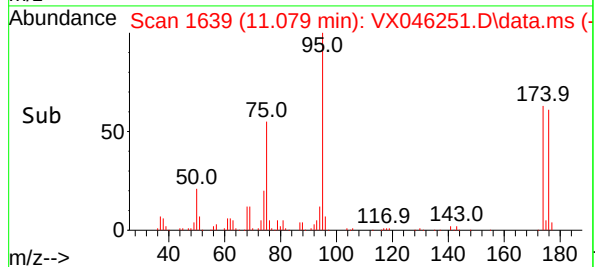
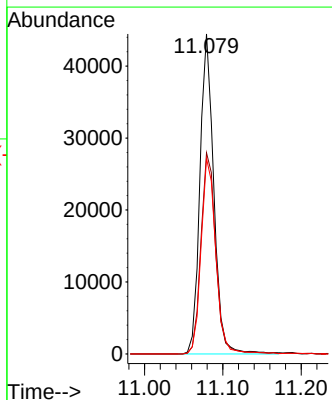
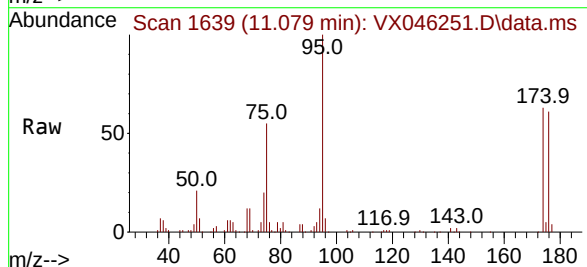
Instrument :
MSVOA_X
ClientSampleId :
MW-6

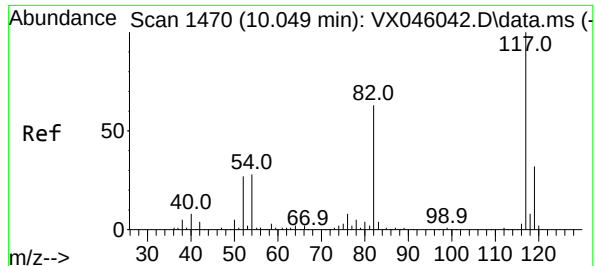
Tgt Ion: 98 Resp: 144602
Ion Ratio Lower Upper
98 100
100 64.3 53.5 80.3



#62
4-Bromofluorobenzene
Concen: 50.522 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046251.D
Acq: 16 May 2025 18:26

Tgt Ion: 95 Resp: 54767
Ion Ratio Lower Upper
95 100
174 67.2 0.0 135.8
176 64.8 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: VX046251.D

Acq: 16 May 2025 18:26

Instrument :

MSVOA_X

ClientSampleId :

MW-6

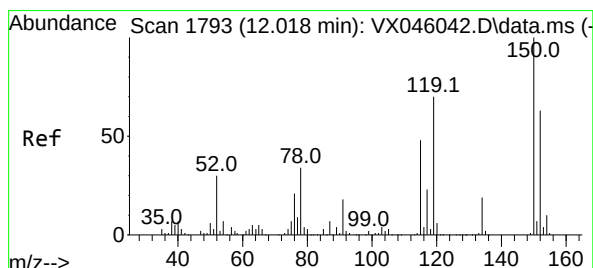
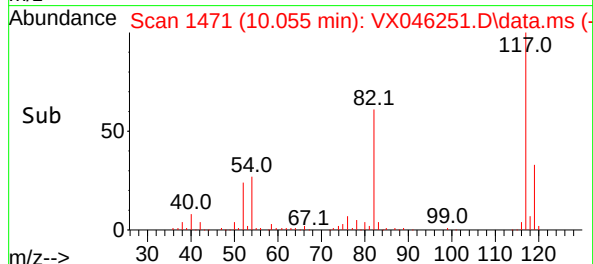
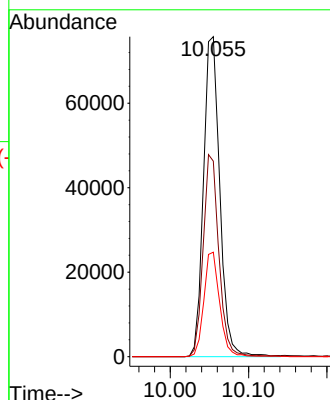
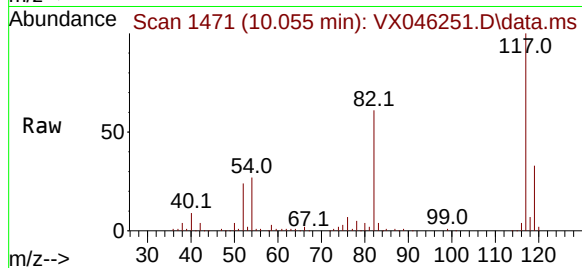
Tgt Ion:117 Resp: 109564

Ion Ratio Lower Upper

117 100

82 61.1 50.6 76.0

119 32.7 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.006 min

Lab File: VX046251.D

Acq: 16 May 2025 18:26

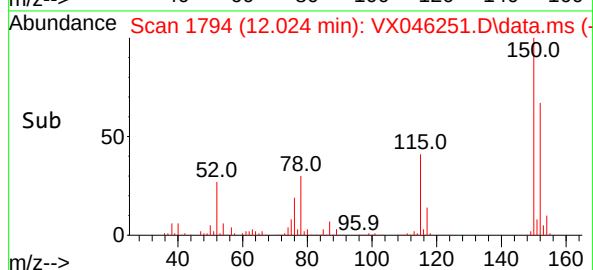
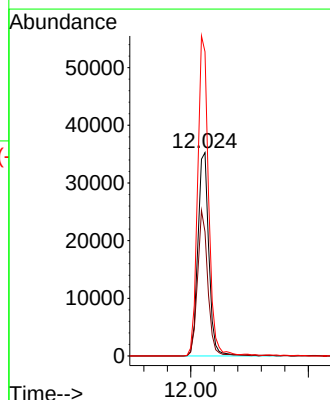
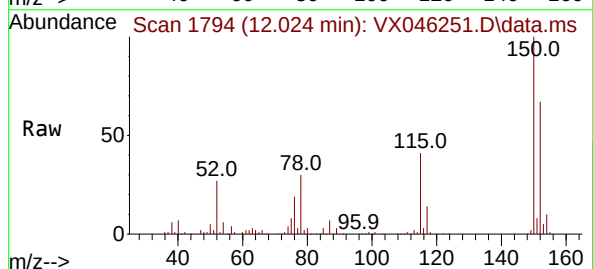
Tgt Ion:152 Resp: 45951

Ion Ratio Lower Upper

152 100

115 66.7 46.9 140.7

150 155.1 0.0 351.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051625\
Data File : VX046251.D
Acq On : 16 May 2025 18:26
Operator : JC/MD
Sample : Q2072-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-6

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

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

Title : SW846 8260

Signal : TIC: VX046251.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.379	694	704	721	rBV2	48331	145030	35.76%	6.781%
2	5.550	721	732	747	rVV	67964	192243	47.40%	8.988%
3	5.952	788	798	814	rBV2	56256	155186	38.26%	7.256%
4	6.757	919	930	945	rBV	117900	290287	71.57%	13.572%
5	8.647	1234	1240	1256	rBV	260237	405600	100.00%	18.964%
6	10.049	1465	1470	1484	rBV	258996	369543	91.11%	17.278%
7	11.079	1634	1639	1655	rBV	212370	268373	66.17%	12.548%
8	12.018	1788	1793	1804	rBV	248426	312533	77.05%	14.613%

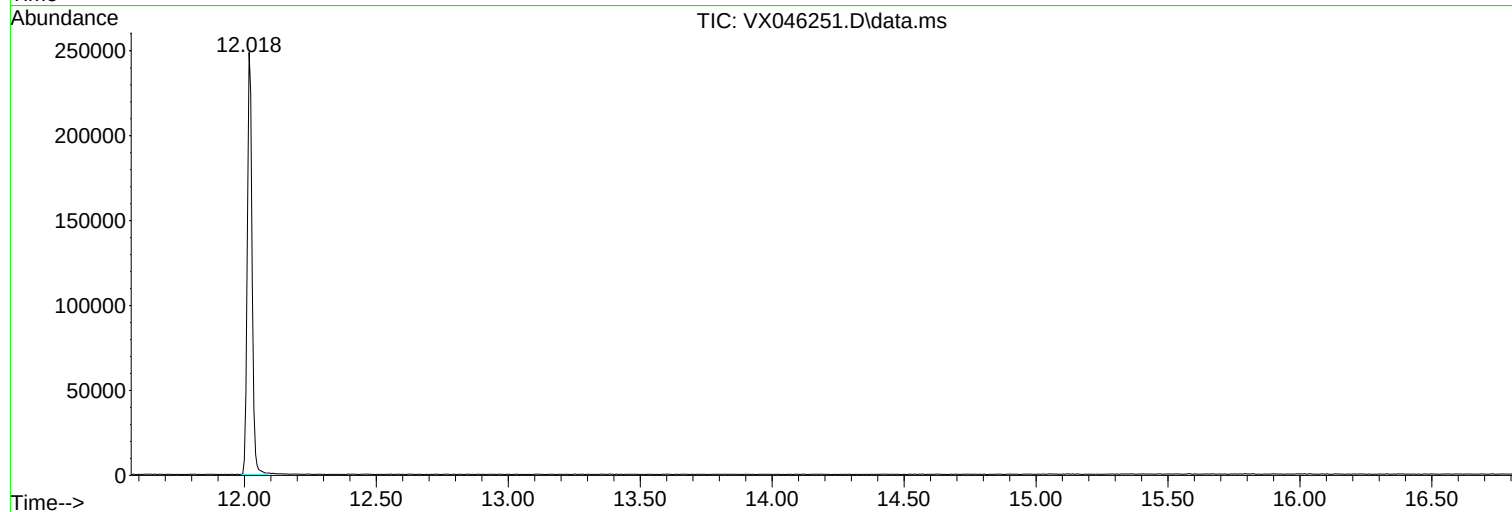
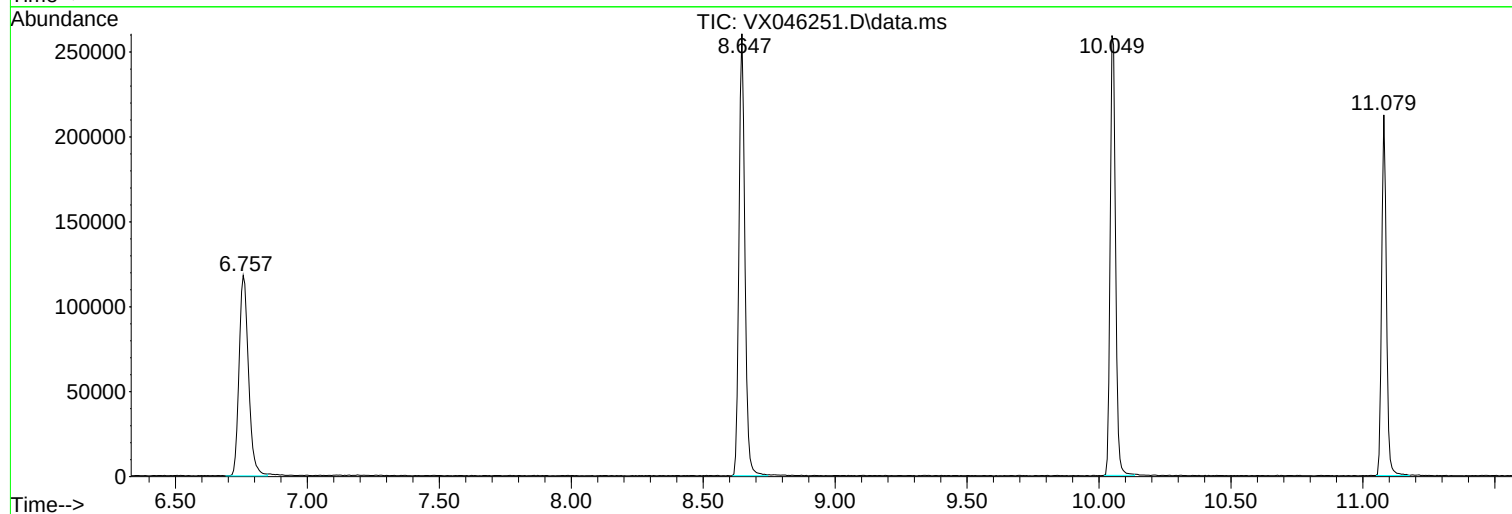
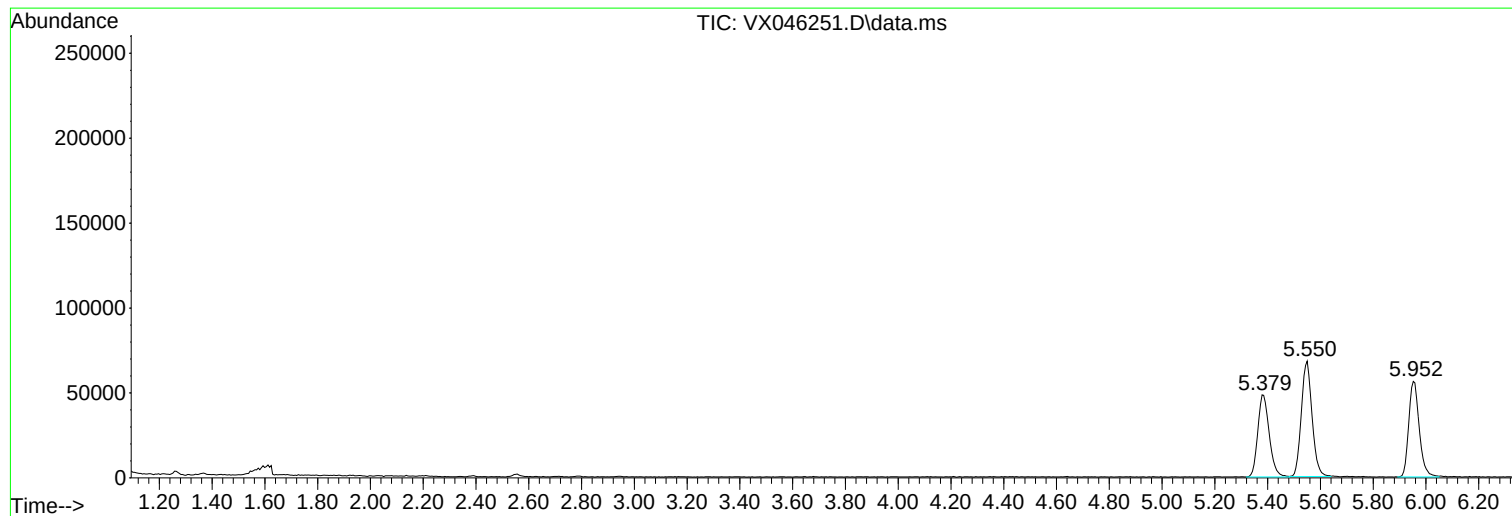
Sum of corrected areas: 2138795

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051625\
Data File : VX046251.D
Acq On : 16 May 2025 18:26
Operator : JC/MD
Sample : Q2072-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051625\
Data File : VX046251.D
Acq On : 16 May 2025 18:26
Operator : JC/MD
Sample : Q2072-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051625\
Data File : VX046251.D
Acq On : 16 May 2025 18:26
Operator : JC/MD
Sample : Q2072-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	05/16/25
Project:	Somerset Hills Memorial Park	Date Received:	05/16/25
Client Sample ID:	FB	SDG No.:	Q2072
Lab Sample ID:	Q2072-05	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046246.D	1		05/16/25 16:29	VX051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	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
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	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
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	05/16/25
Project:	Somerset Hills Memorial Park	Date Received:	05/16/25
Client Sample ID:	FB	SDG No.:	Q2072
Lab Sample ID:	Q2072-05	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046246.D	1		05/16/25 16:29	VX051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	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
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.14	U	0.14	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.5		70 (74) - 130 (125)	111%	SPK: 50
1868-53-7	Dibromofluoromethane	52.9		70 (75) - 130 (124)	106%	SPK: 50
2037-26-5	Toluene-d8	50.1		70 (86) - 130 (113)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.3		70 (77) - 130 (121)	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	63800	5.55			
540-36-3	1,4-Difluorobenzene	127000	6.763			
3114-55-4	Chlorobenzene-d5	117000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	48600	12.018			

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	05/16/25
Project:	Somerset Hills Memorial Park	Date Received:	05/16/25
Client Sample ID:	FB	SDG No.:	Q2072
Lab Sample ID:	Q2072-05	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046246.D	1		05/16/25 16:29	VX051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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\VX051625\
 Data File : VX046246.D
 Acq On : 16 May 2025 16:29
 Operator : JC/MD
 Sample : Q2072-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB

Quant Time: May 16 23:08:00 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	63781	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	127117	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	117342	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	48600	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	66029	55.529	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.060%
35) Dibromofluoromethane	5.385	113	48386	52.859	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.720%
50) Toluene-d8	8.647	98	158633	50.070	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.140%
62) 4-Bromofluorobenzene	11.079	95	58688	48.291	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	96.580%

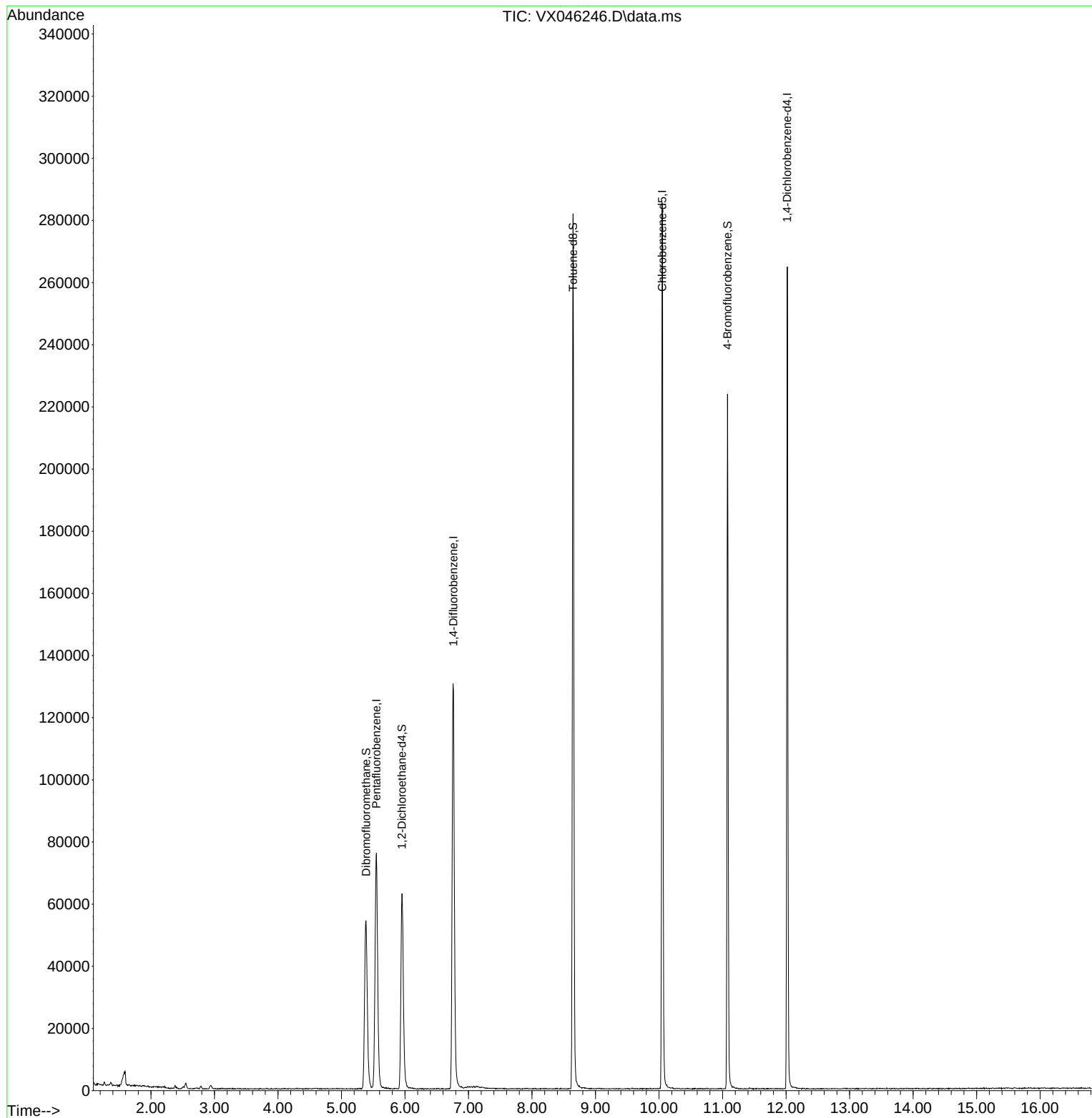
Target Compounds	Qvalue

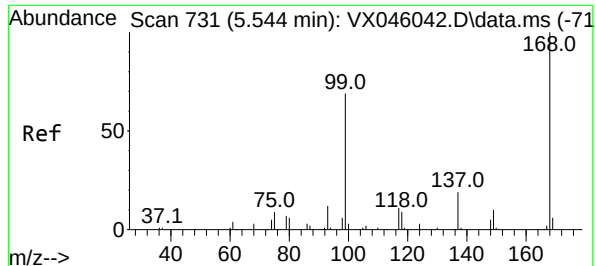
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051625\
Data File : VX046246.D
Acq On : 16 May 2025 16:29
Operator : JC/MD
Sample : Q2072-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FB

Quant Time: May 16 23:08:00 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

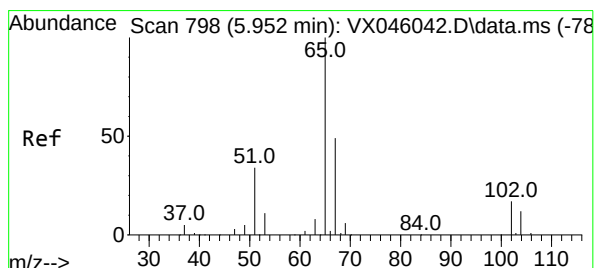
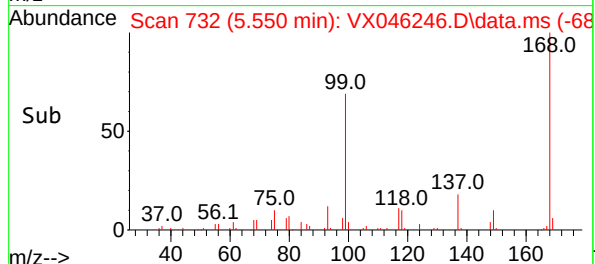
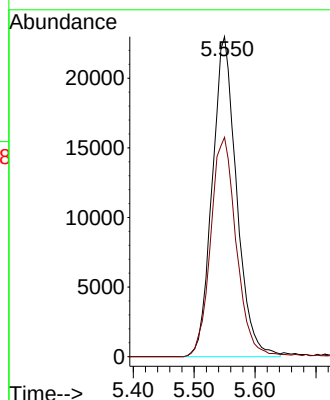
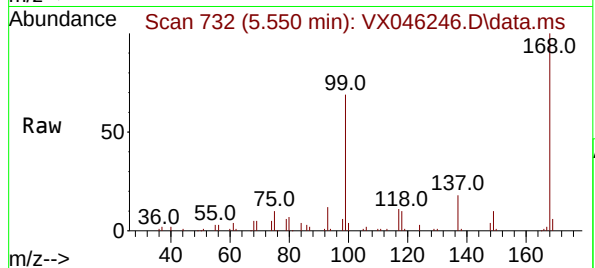




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046246.D
Acq: 16 May 2025 16:29

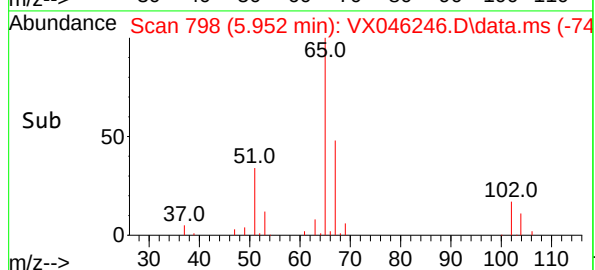
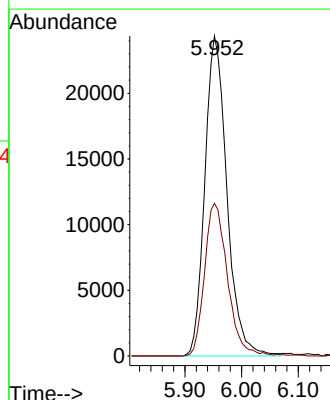
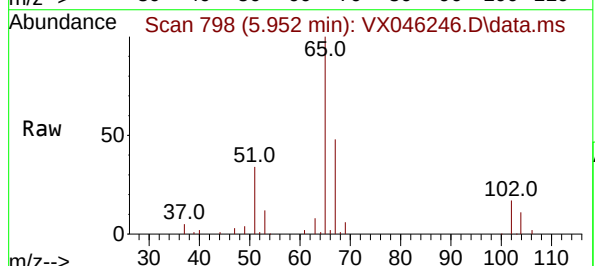
Instrument :
MSVOA_X
ClientSampleId :
FB

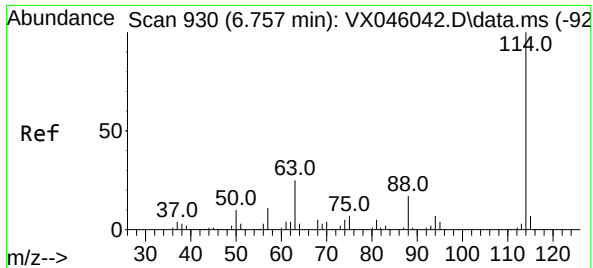
Tgt Ion:168 Resp: 63781
Ion Ratio Lower Upper
168 100
99 68.6 54.9 82.3



#33
1,2-Dichloroethane-d4
Concen: 55.529 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX046246.D
Acq: 16 May 2025 16:29

Tgt Ion: 65 Resp: 66029
Ion Ratio Lower Upper
65 100
67 49.4 0.0 99.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX046246.D

Acq: 16 May 2025 16:29

Instrument :

MSVOA_X

ClientSampleId :

FB

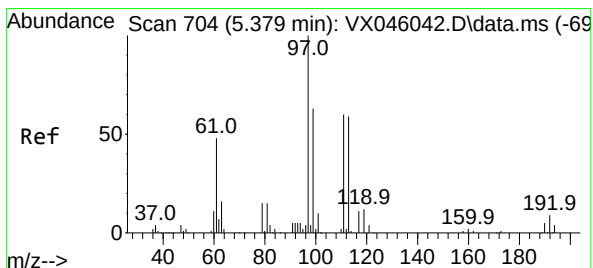
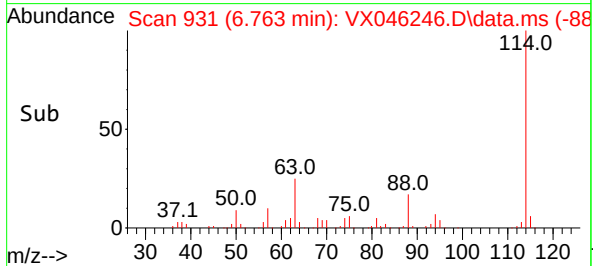
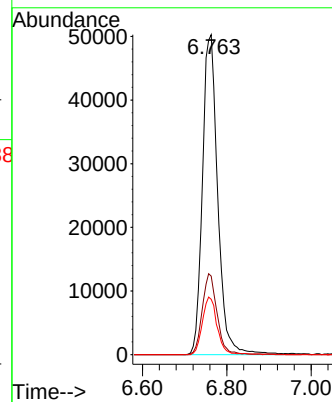
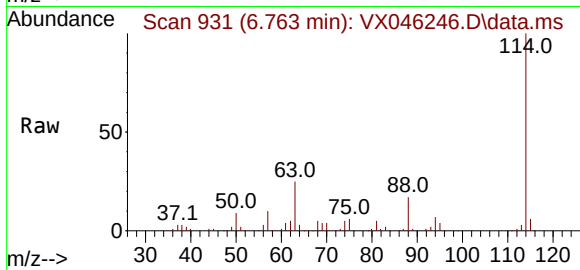
Tgt Ion:114 Resp: 127117

Ion Ratio Lower Upper

114 100

63 24.6 0.0 49.2

88 17.3 0.0 33.6



#35

Dibromofluoromethane

Concen: 52.859 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX046246.D

Acq: 16 May 2025 16:29

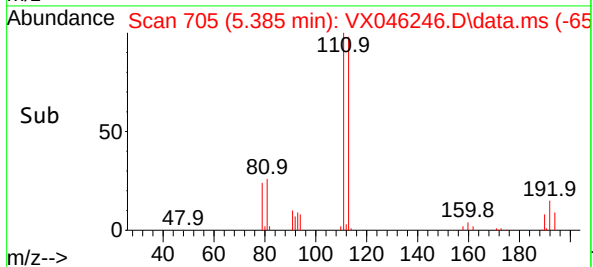
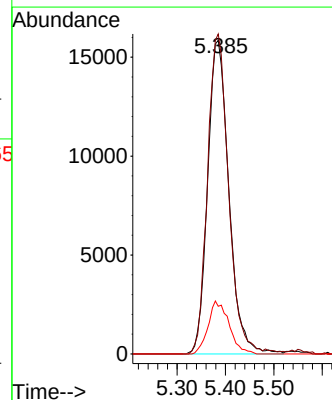
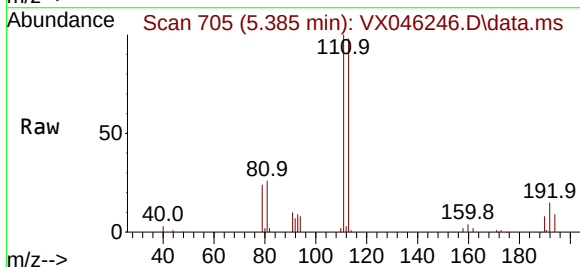
Tgt Ion:113 Resp: 48386

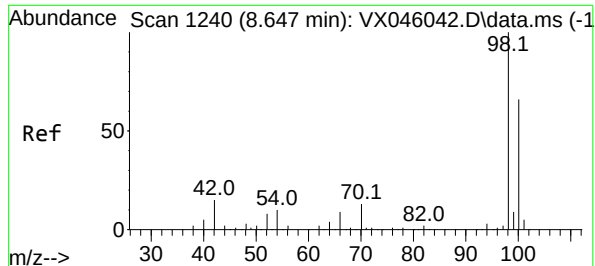
Ion Ratio Lower Upper

113 100

111 100.6 83.1 124.7

192 16.7 13.3 19.9





#50

Toluene-d8

Concen: 50.070 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX046246.D

Acq: 16 May 2025 16:29

Instrument :

MSVOA_X

ClientSampleId :

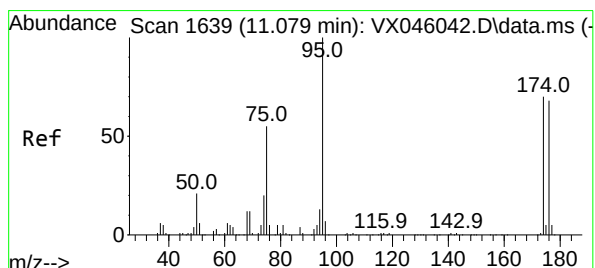
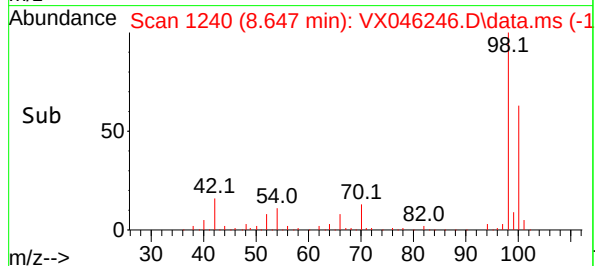
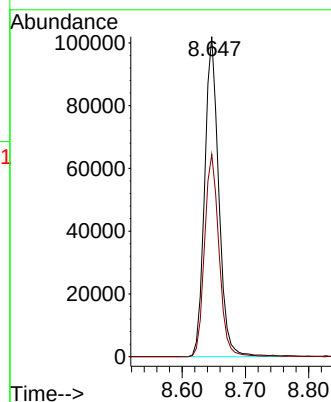
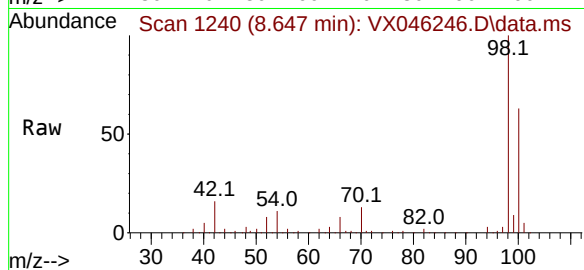
FB

Tgt Ion: 98 Resp: 158633

Ion Ratio Lower Upper

98 100

100 64.8 53.5 80.3



#62

4-Bromofluorobenzene

Concen: 48.291 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX046246.D

Acq: 16 May 2025 16:29

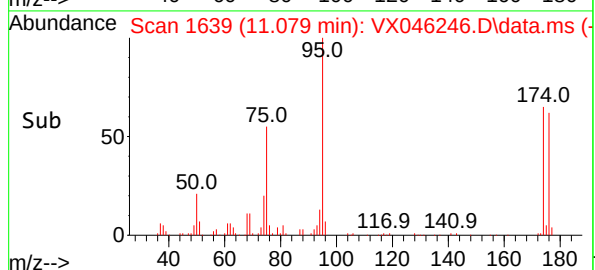
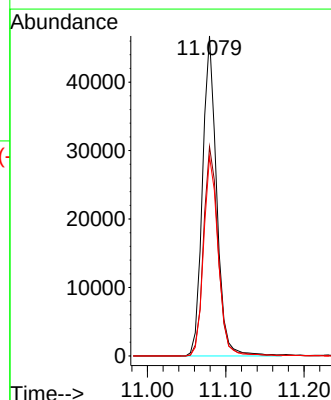
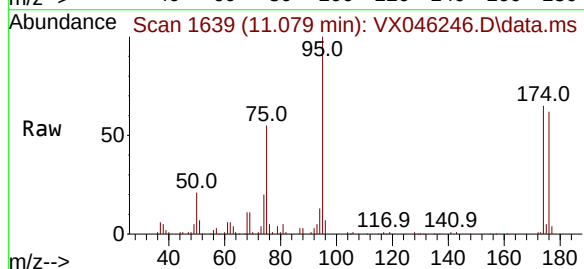
Tgt Ion: 95 Resp: 58688

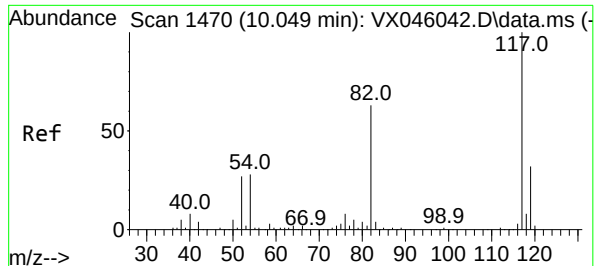
Ion Ratio Lower Upper

95 100

174 67.5 0.0 135.8

176 64.3 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: VX046246.D

Acq: 16 May 2025 16:29

Instrument :

MSVOA_X

ClientSampleId :

FB

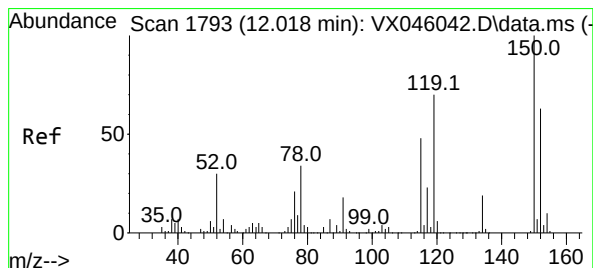
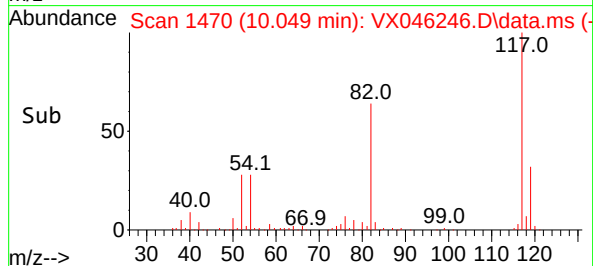
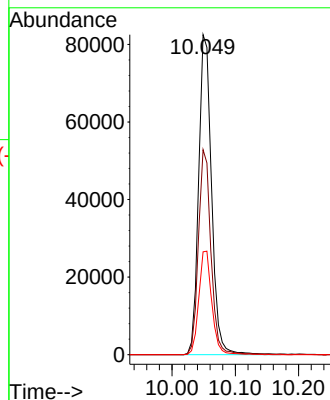
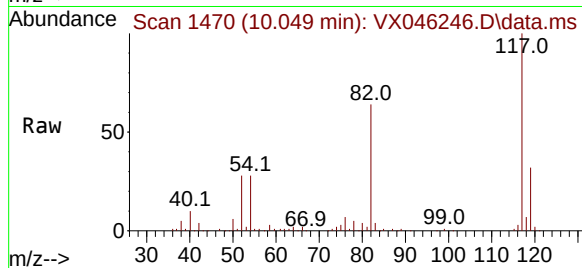
Tgt Ion:117 Resp: 117342

Ion Ratio Lower Upper

117 100

82 64.0 50.6 76.0

119 32.2 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: VX046246.D

Acq: 16 May 2025 16:29

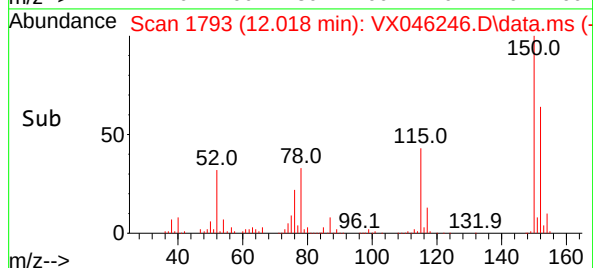
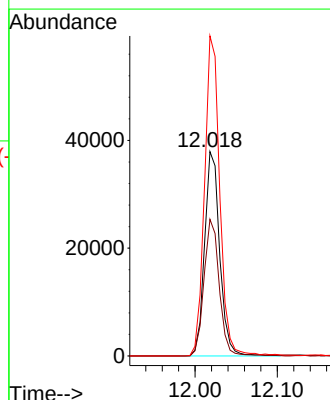
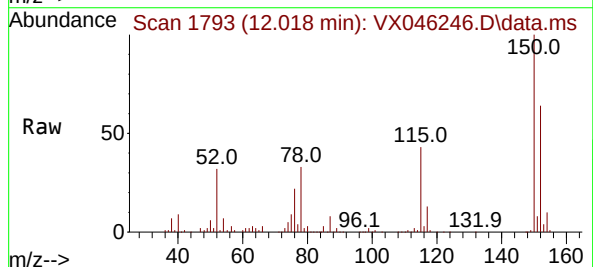
Tgt Ion:152 Resp: 48600

Ion Ratio Lower Upper

152 100

115 67.3 46.9 140.7

150 157.6 0.0 351.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051625\
Data File : VX046246.D
Acq On : 16 May 2025 16:29
Operator : JC/MD
Sample : Q2072-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FB

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

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

Title : SW846 8260

Signal : TIC: VX046246.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.593	69	83	88	rBV3	4588	14820	3.33%	0.630%
2	5.385	693	705	720	rBV	54231	162632	36.58%	6.917%
3	5.550	720	732	747	rVV	75532	214670	48.29%	9.130%
4	5.952	789	798	815	rBV2	62824	171708	38.63%	7.303%
5	6.757	922	930	951	rBV	130378	323451	72.76%	13.757%
6	8.647	1234	1240	1254	rBV	281542	444539	100.00%	18.907%
7	10.049	1465	1470	1481	rBV	285051	398790	89.71%	16.962%
8	11.079	1634	1639	1651	rBV	223547	287170	64.60%	12.214%
9	12.018	1788	1793	1805	rBV	264535	333353	74.99%	14.178%

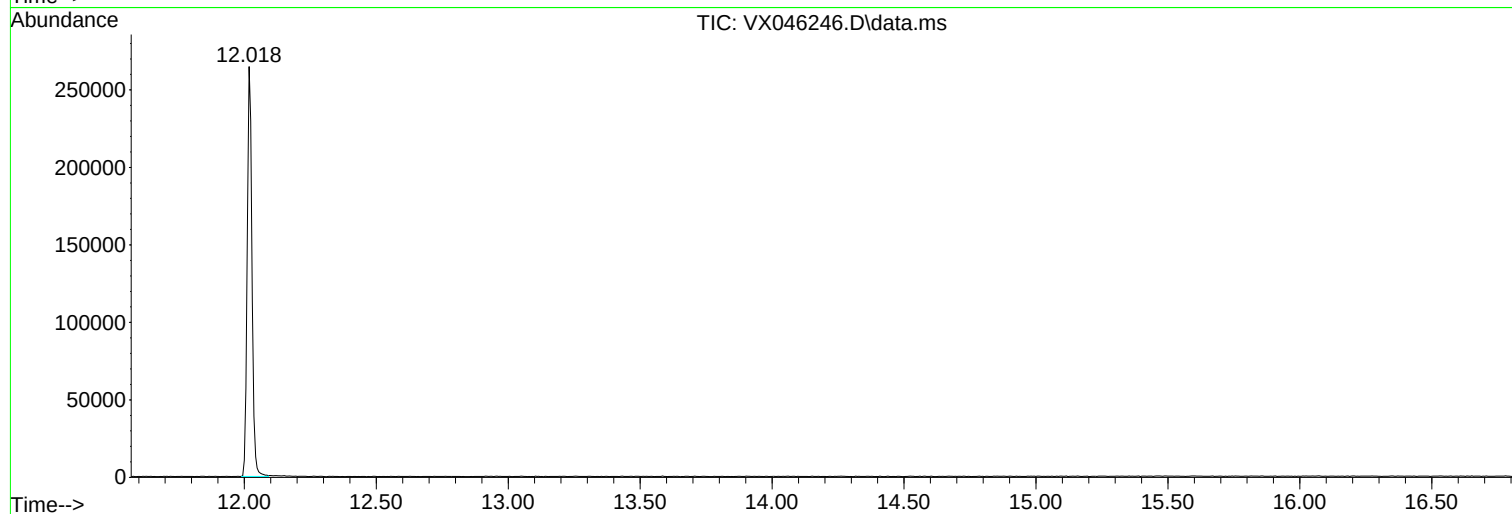
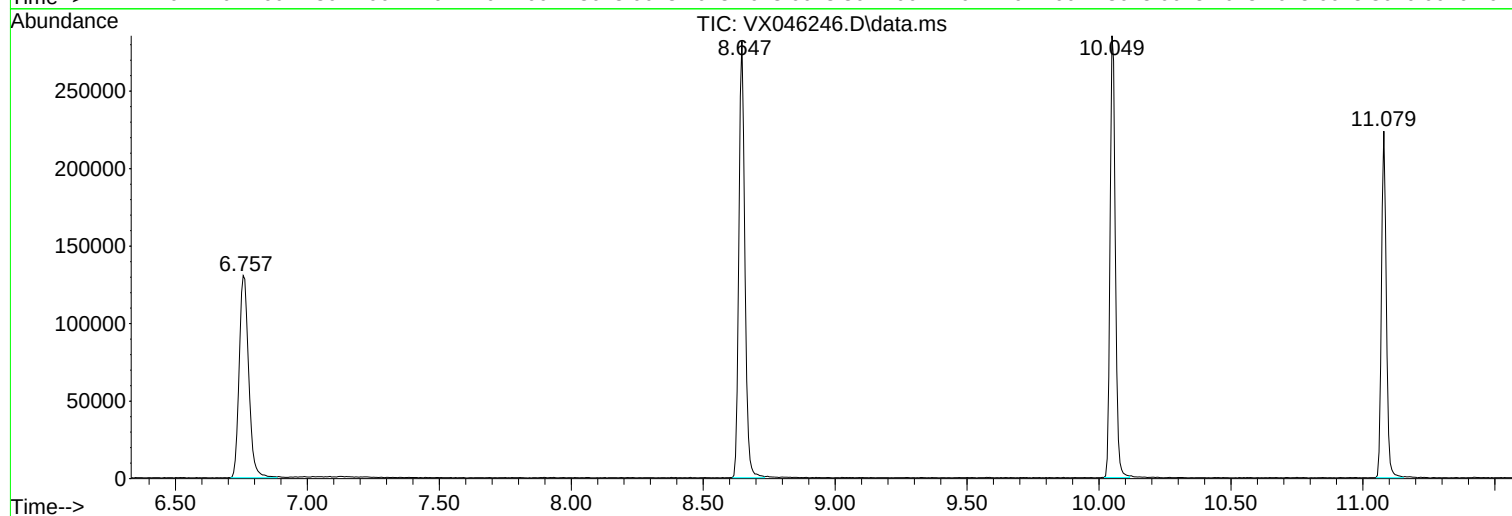
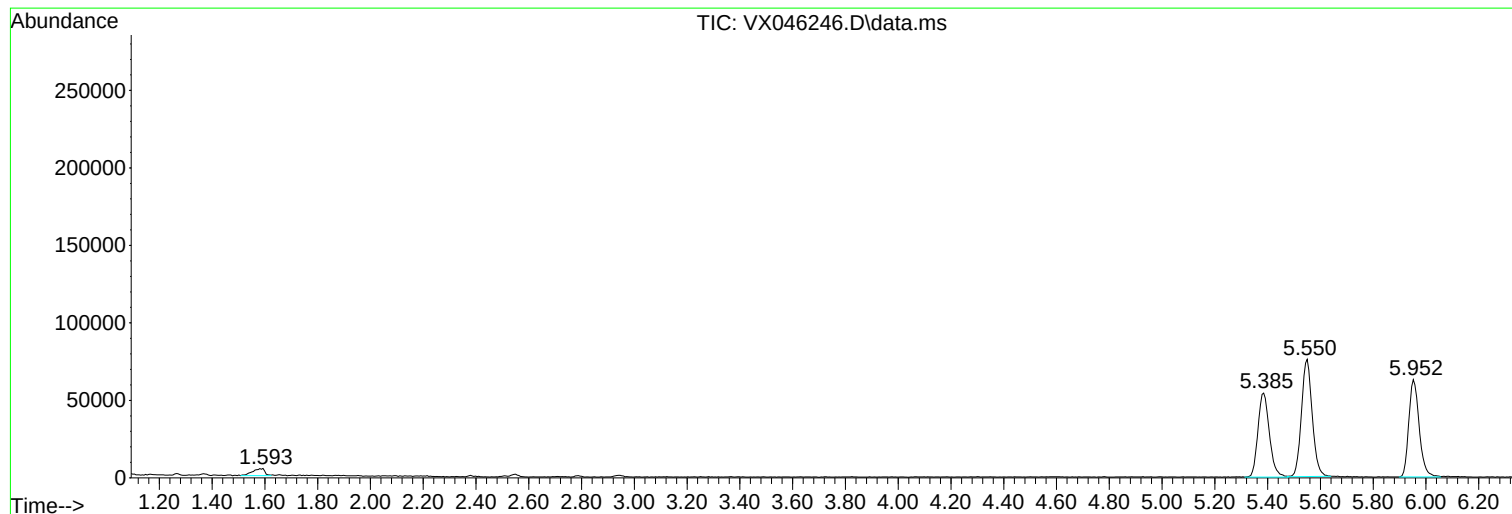
Sum of corrected areas: 2351133

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051625\
Data File : VX046246.D
Acq On : 16 May 2025 16:29
Operator : JC/MD
Sample : Q2072-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FB

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051625\
Data File : VX046246.D
Acq On : 16 May 2025 16:29
Operator : JC/MD
Sample : Q2072-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FB

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051625\
Data File : VX046246.D
Acq On : 16 May 2025 16:29
Operator : JC/MD
Sample : Q2072-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FB

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	05/16/25
Project:	Somerset Hills Memorial Park	Date Received:	05/16/25
Client Sample ID:	TB	SDG No.:	Q2072
Lab Sample ID:	Q2072-06	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046247.D	1		05/16/25 16:52	VX051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	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
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	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
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	05/16/25
Project:	Somerset Hills Memorial Park	Date Received:	05/16/25
Client Sample ID:	TB	SDG No.:	Q2072
Lab Sample ID:	Q2072-06	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046247.D	1		05/16/25 16:52	VX051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	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
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.14	U	0.14	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.0		70 (74) - 130 (125)	112%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3		70 (75) - 130 (124)	103%	SPK: 50
2037-26-5	Toluene-d8	50.7		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.3		70 (77) - 130 (121)	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	59300	5.55			
540-36-3	1,4-Difluorobenzene	120000	6.757			
3114-55-4	Chlorobenzene-d5	114000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	49100	12.018			

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	05/16/25
Project:	Somerset Hills Memorial Park	Date Received:	05/16/25
Client Sample ID:	TB	SDG No.:	Q2072
Lab Sample ID:	Q2072-06	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046247.D	1		05/16/25 16:52	VX051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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\VX051625\
 Data File : VX046247.D
 Acq On : 16 May 2025 16:52
 Operator : JC/MD
 Sample : Q2072-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB

Quant Time: May 16 23:08:24 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	59269	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	119588	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	114347	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	49075	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61845	55.970	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.940%
35) Dibromofluoromethane	5.379	113	44176	51.298	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.600%
50) Toluene-d8	8.647	98	151151	50.712	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.420%
62) 4-Bromofluorobenzene	11.079	95	58687	51.331	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	102.660%

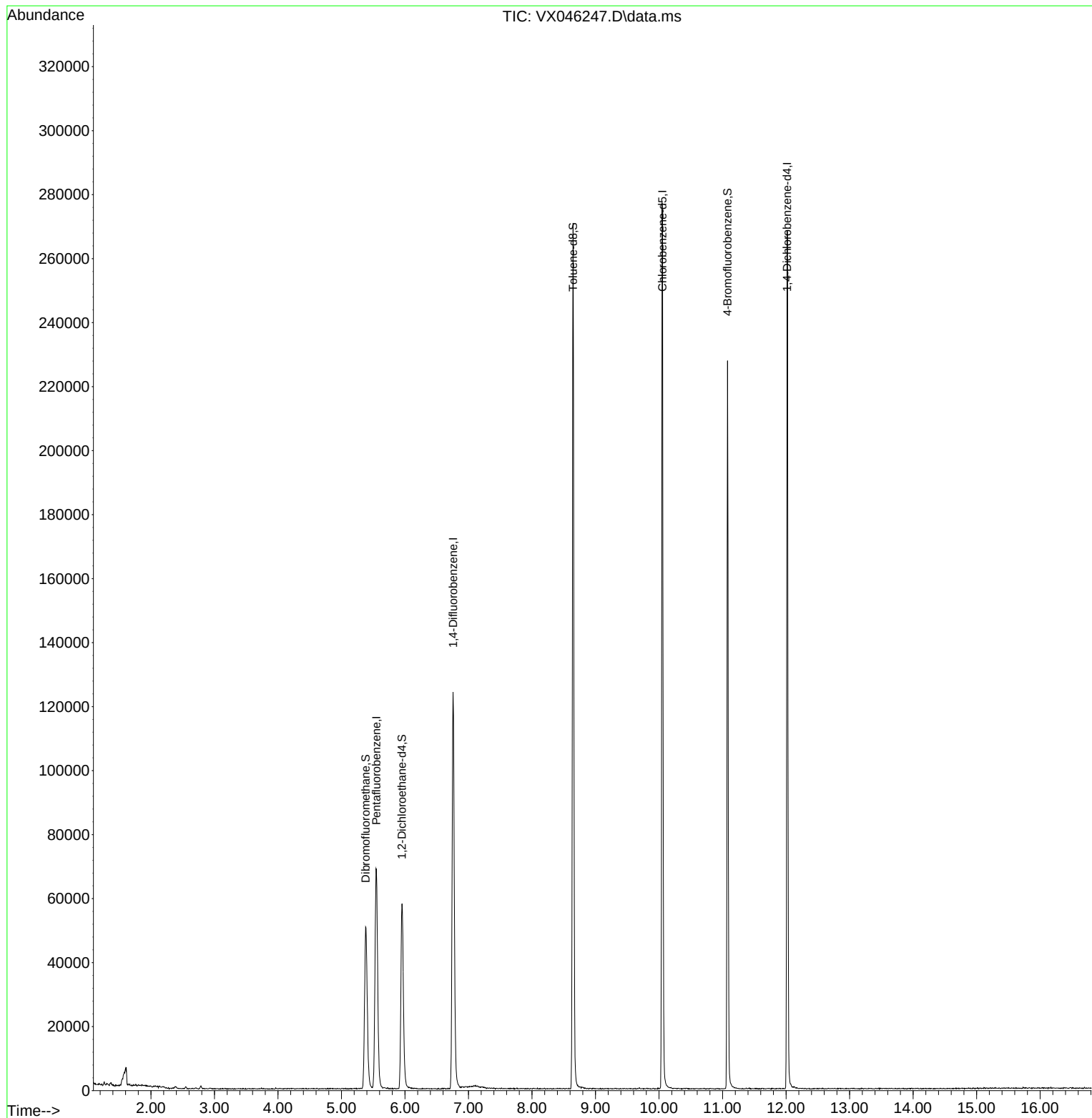
Target Compounds	Qvalue

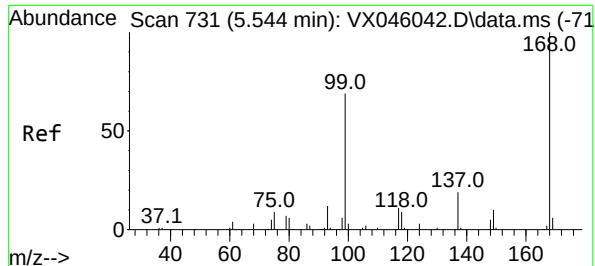
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051625\
Data File : VX046247.D
Acq On : 16 May 2025 16:52
Operator : JC/MD
Sample : Q2072-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB

Quant Time: May 16 23:08:24 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

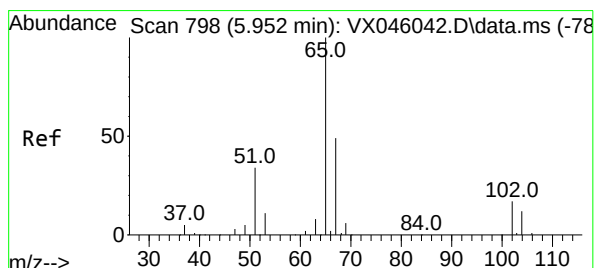
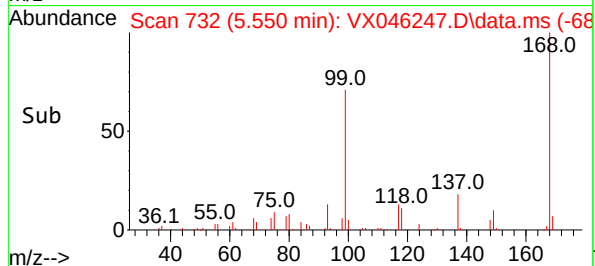
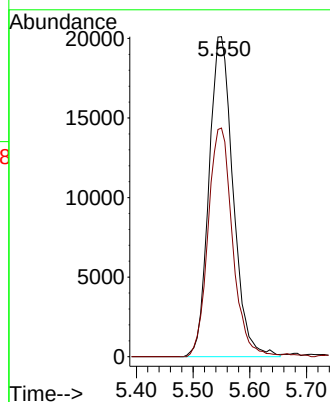
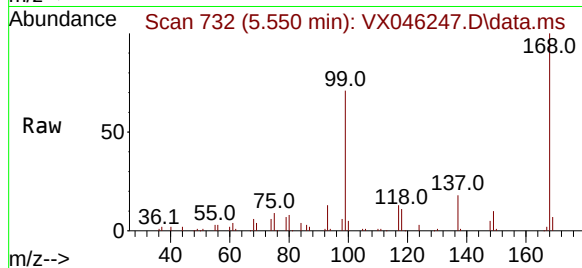




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046247.D
Acq: 16 May 2025 16:52

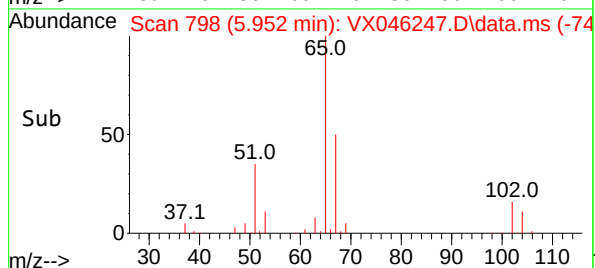
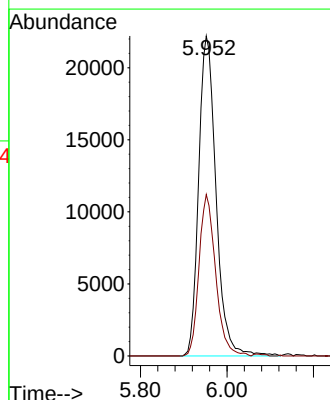
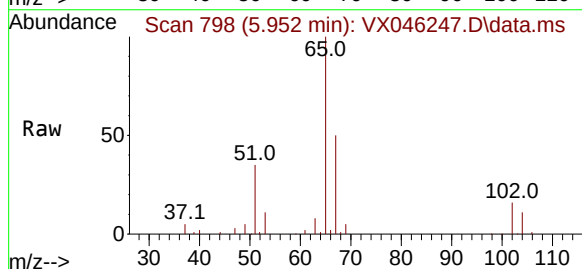
Instrument :
MSVOA_X
ClientSampleId :
TB

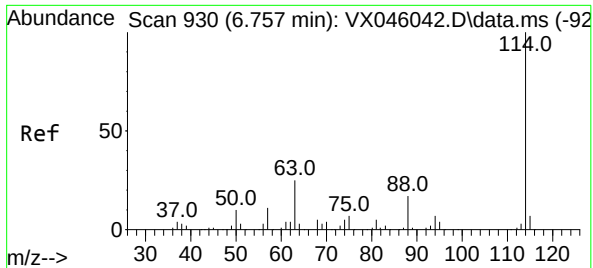
Tgt Ion:168 Resp: 59269
Ion Ratio Lower Upper
168 100
99 71.4 54.9 82.3



#33
1,2-Dichloroethane-d4
Concen: 55.970 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX046247.D
Acq: 16 May 2025 16:52

Tgt Ion: 65 Resp: 61845
Ion Ratio Lower Upper
65 100
67 48.2 0.0 99.0

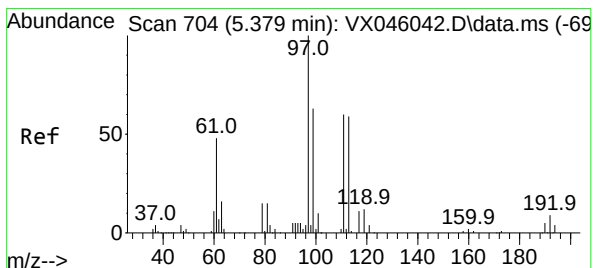
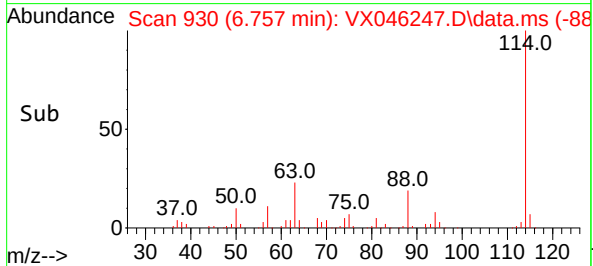
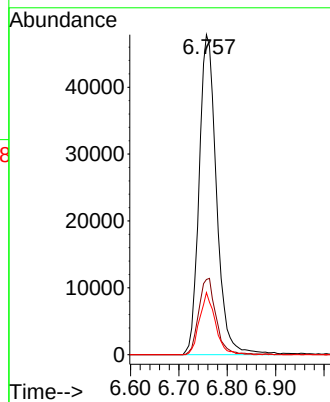
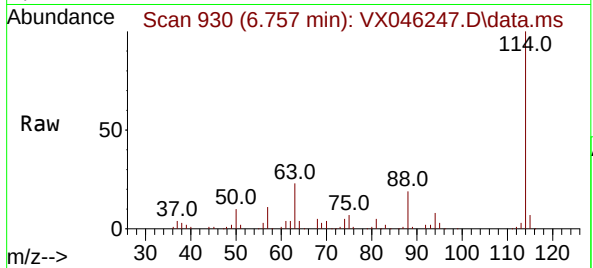




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX046247.D
Acq: 16 May 2025 16:52

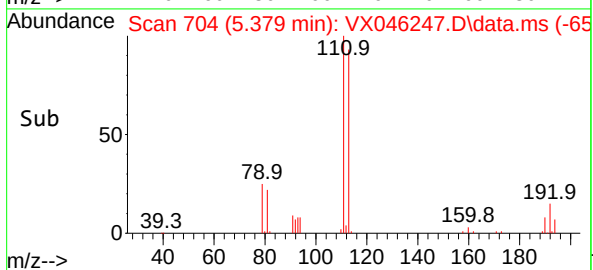
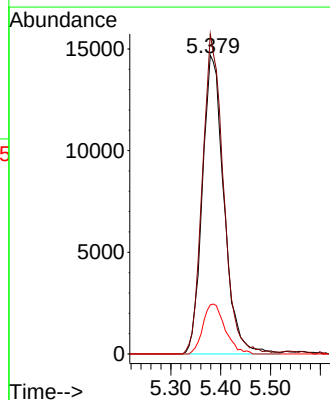
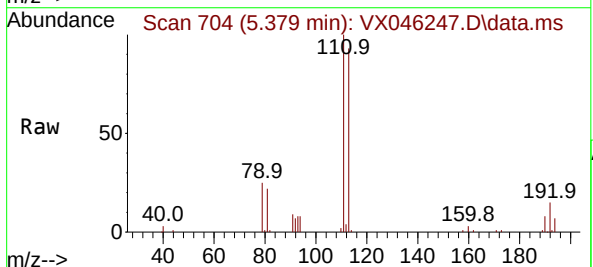
Instrument :
MSVOA_X
ClientSampleId :
TB

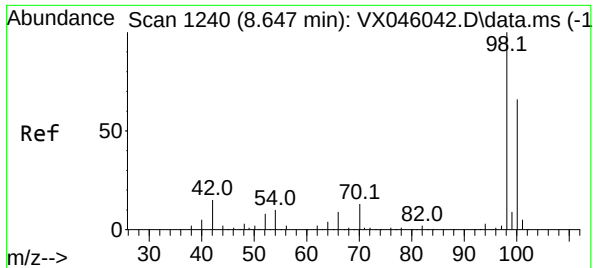
Tgt Ion:114 Resp: 119588
Ion Ratio Lower Upper
114 100
63 23.5 0.0 49.2
88 19.4 0.0 33.6



#35
Dibromofluoromethane
Concen: 51.298 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX046247.D
Acq: 16 May 2025 16:52

Tgt Ion:113 Resp: 44176
Ion Ratio Lower Upper
113 100
111 104.1 83.1 124.7
192 17.1 13.3 19.9

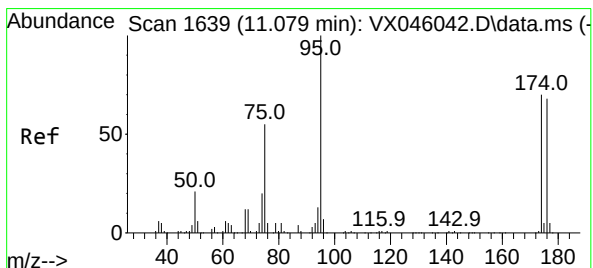
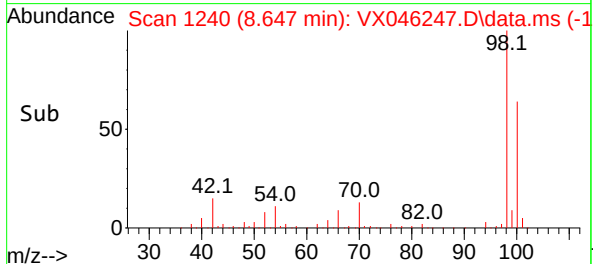
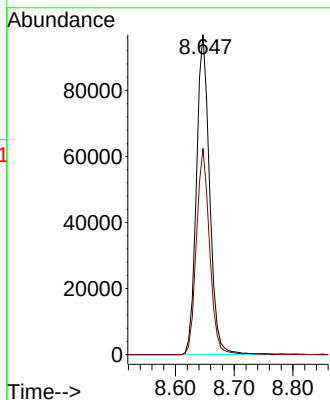
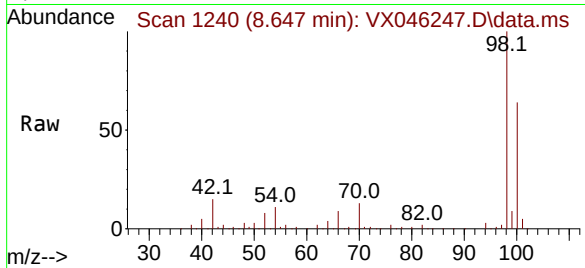




#50
Toluene-d8
Concen: 50.712 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046247.D
Acq: 16 May 2025 16:52

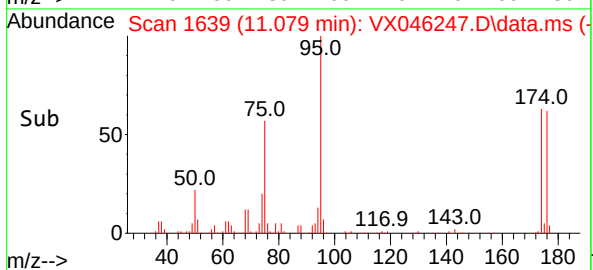
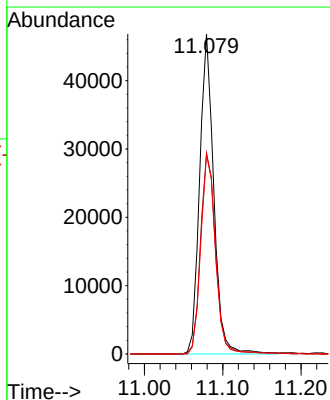
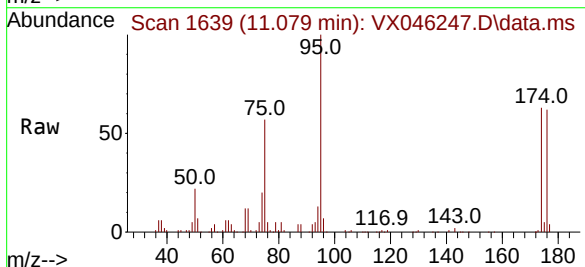
Instrument :
MSVOA_X
ClientSampleId :
TB

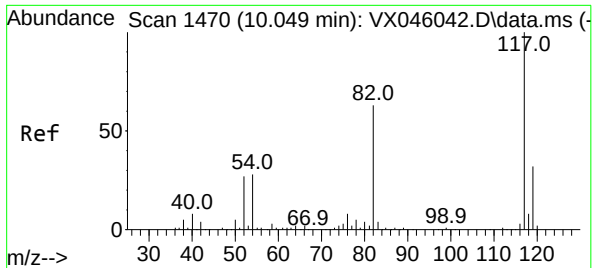
Tgt Ion: 98 Resp: 151151
Ion Ratio Lower Upper
98 100
100 64.1 53.5 80.3



#62
4-Bromofluorobenzene
Concen: 51.331 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046247.D
Acq: 16 May 2025 16:52

Tgt Ion: 95 Resp: 58687
Ion Ratio Lower Upper
95 100
174 66.9 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: VX046247.D

Acq: 16 May 2025 16:52

Instrument :

MSVOA_X

ClientSampleId :

TB

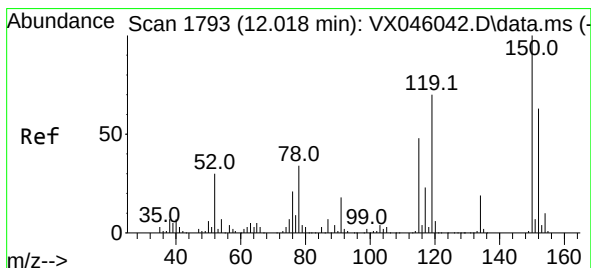
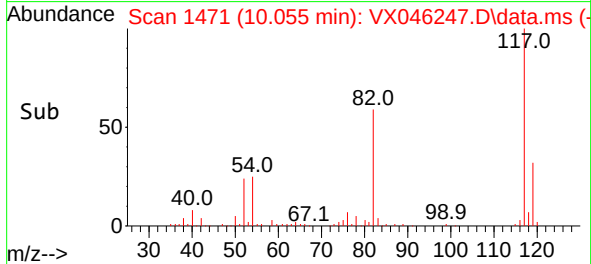
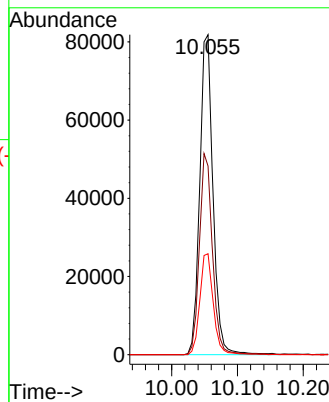
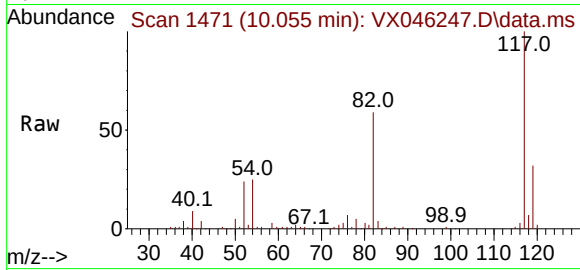
Tgt Ion:117 Resp: 114347

Ion Ratio Lower Upper

117 100

82 58.9 50.6 76.0

119 31.6 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: VX046247.D

Acq: 16 May 2025 16:52

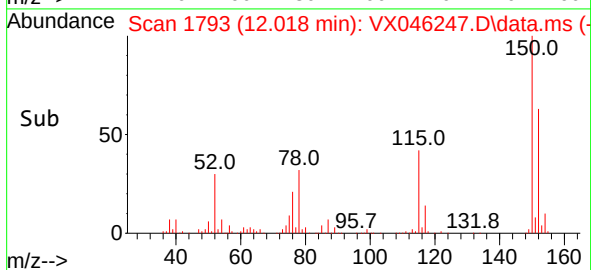
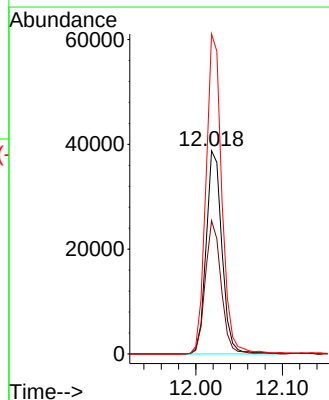
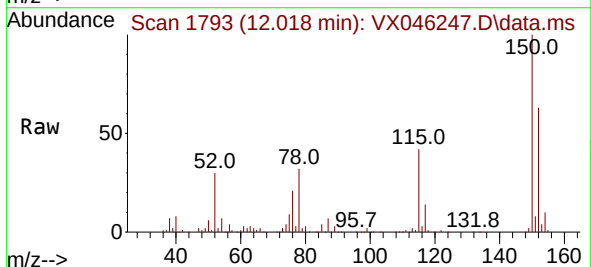
Tgt Ion:152 Resp: 49075

Ion Ratio Lower Upper

152 100

115 65.8 46.9 140.7

150 159.1 0.0 351.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051625\
Data File : VX046247.D
Acq On : 16 May 2025 16:52
Operator : JC/MD
Sample : Q2072-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

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

Title : SW846 8260

Signal : TIC: VX046247.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.599	77	84	85	rVV3	3312	6420	1.51%	0.285%
2	5.379	695	704	720	rBV	50477	149603	35.20%	6.640%
3	5.544	722	731	748	rVB	68655	200054	47.07%	8.879%
4	5.952	790	798	815	rBV2	57736	158086	37.20%	7.017%
5	6.757	922	930	949	rBV	123930	302834	71.26%	13.441%
6	8.647	1233	1240	1255	rBV	270629	424990	100.00%	18.863%
7	10.049	1465	1470	1490	rBV	276713	387037	91.07%	17.179%
8	11.079	1634	1639	1652	rBV	227418	287574	67.67%	12.764%
9	12.018	1788	1793	1806	rBV	268007	336402	79.16%	14.931%

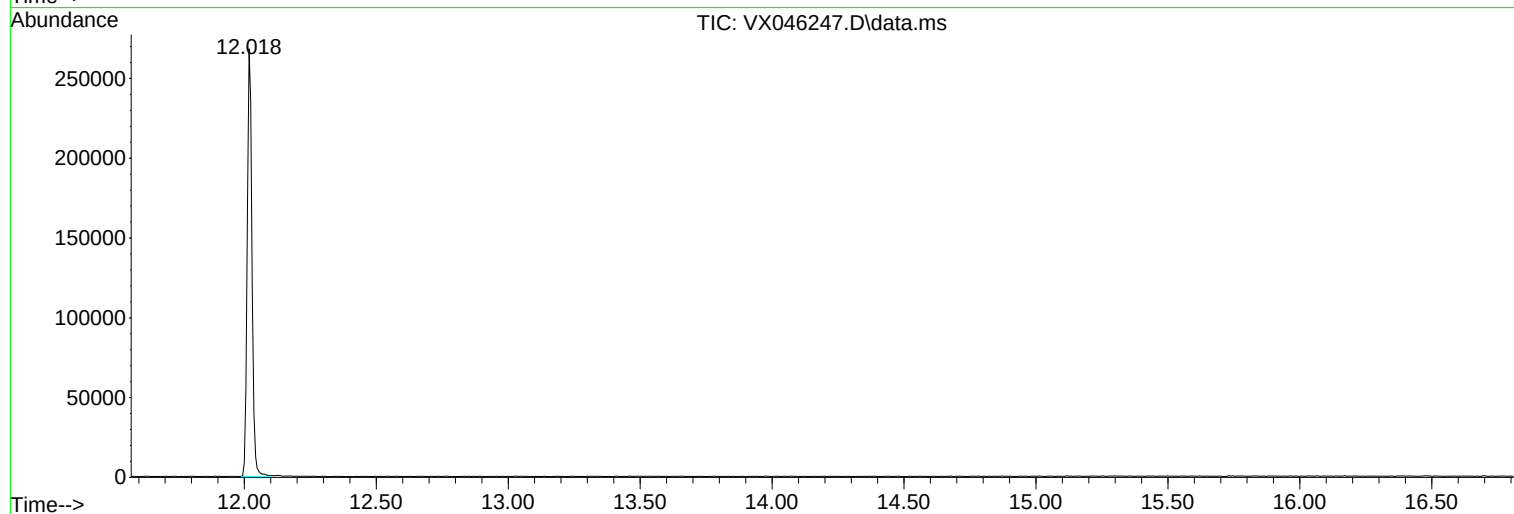
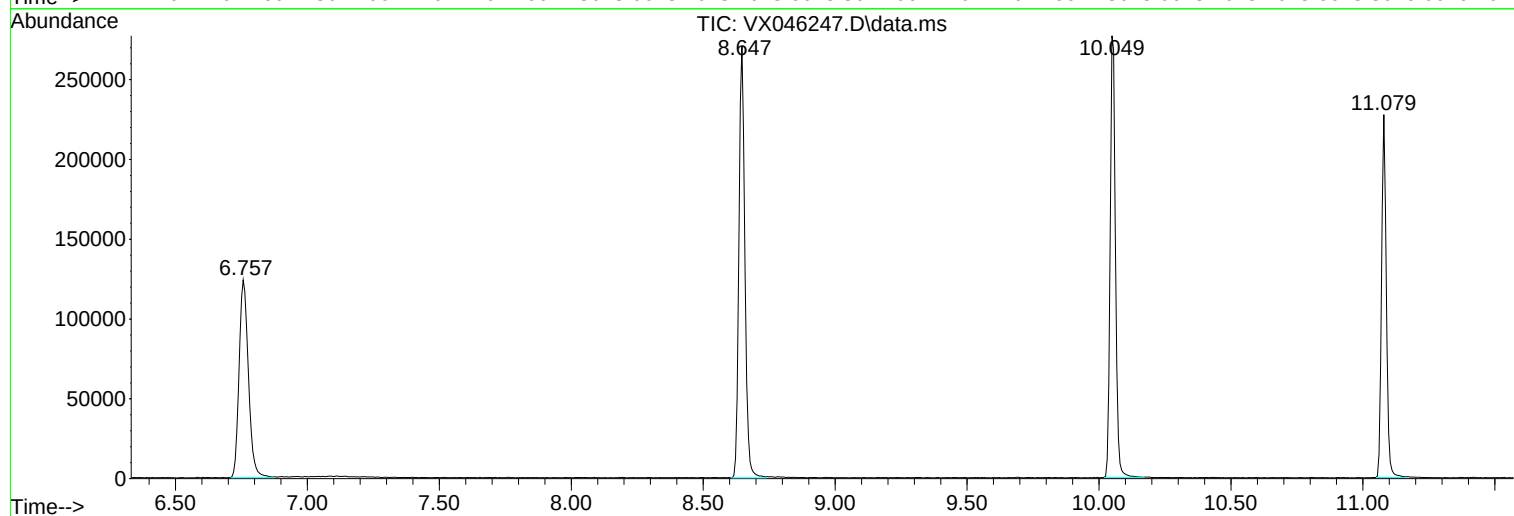
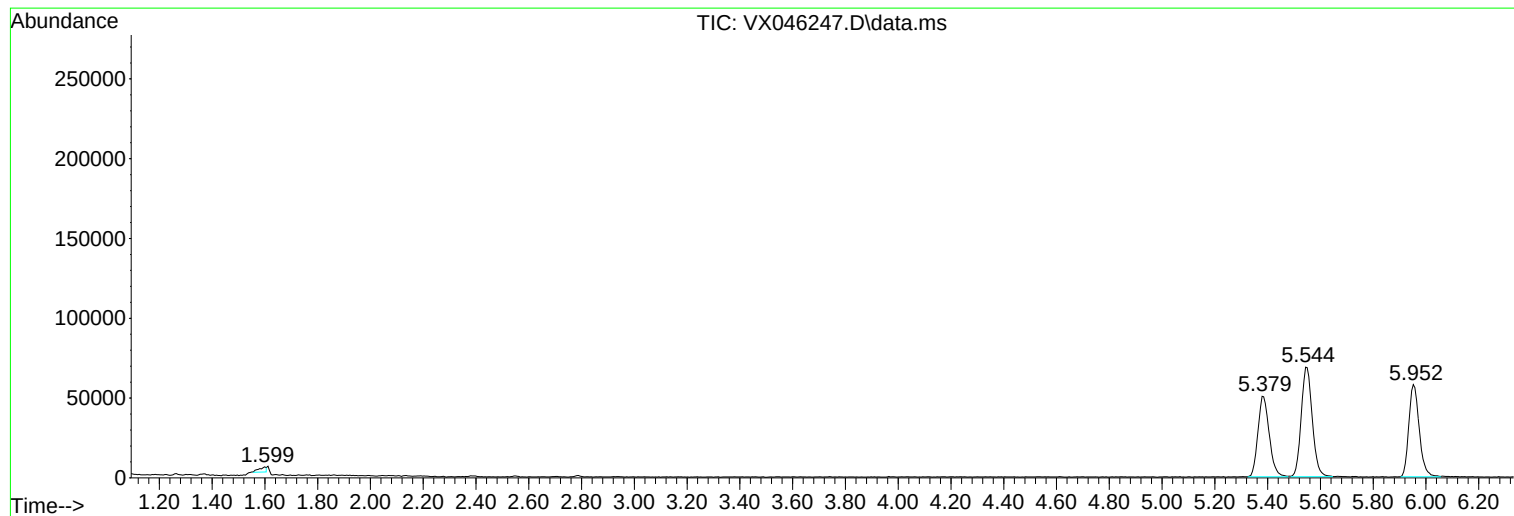
Sum of corrected areas: 2253000

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051625\
Data File : VX046247.D
Acq On : 16 May 2025 16:52
Operator : JC/MD
Sample : Q2072-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051625\
Data File : VX046247.D
Acq On : 16 May 2025 16:52
Operator : JC/MD
Sample : Q2072-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051625\
Data File : VX046247.D
Acq On : 16 May 2025 16:52
Operator : JC/MD
Sample : Q2072-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc



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: FIRS02
 Lab Code: CHEM Case No.: Q2072 SAS No.: Q2072 SDG No.: Q2072
 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				
Dichlorodifluoromethane	0.697	0.864	0.859	0.875	0.639	0.658	0.765	14.6				
Chloromethane	0.727	0.775	0.787	0.791	0.679	0.694	0.742	6.6				
Vinyl Chloride	0.660	0.710	0.727	0.755	0.619	0.673	0.691	7.2				
Bromomethane	0.296	0.326	0.340	0.334	0.305		0.320	5.8				
Chloroethane	0.354	0.378	0.329	0.317	0.368	0.467	0.369	14.4				
Trichlorofluoromethane	1.035	1.068	0.983	0.985	0.990	1.064	1.021	3.9				
1,1,2-Trichlorotrifluoroethane	0.628	0.641	0.629	0.648	0.610	0.633	0.632	2.1				
1,1-Dichloroethene	0.565	0.601	0.607	0.625	0.567	0.594	0.593	3.9				
Acetone	0.361	0.362	0.361	0.370	0.408	0.380	0.374	4.9				
Carbon Disulfide	1.295	1.455	1.522	1.597	1.141	1.423	1.406	11.7				
Methyl tert-butyl Ether	2.044	2.160	2.172	2.239	1.908	1.949	2.079	6.4				
Methyl Acetate	0.814	0.848	0.845	0.875	0.816	1.006	0.867	8.3				
Methylene Chloride	0.689	0.684	0.691	0.691	0.689	0.853	0.716	9.4				
trans-1,2-Dichloroethene	0.573	0.610	0.612	0.622	0.557	0.604	0.596	4.3				
1,1-Dichloroethane	1.233	1.263	1.263	1.286	1.154	1.116	1.219	5.6				
Cyclohexane	1.090	1.128	1.128	1.150	1.059		1.111	3.3				
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				
cis-1,2-Dichloroethene	0.716	0.737	0.738	0.755	0.642	0.719	0.718	5.5				
Bromochloromethane	0.628	0.578	0.595	0.590	0.553	0.576	0.587	4.3				
Chloroform	1.287	1.296	1.277	1.300	1.199	1.265	1.271	3				
1,1,1-Trichloroethane	1.106	1.131	1.155	1.188	1.013	1.015	1.101	6.6				
Methylcyclohexane	0.596	0.641	0.627	0.658	0.587	0.627	0.623	4.3				
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				
1,2-Dichloropropane	0.356	0.371	0.368	0.378	0.324	0.317	0.352	7.4				
Bromodichloromethane	0.557	0.577	0.573	0.594	0.498	0.485	0.547	8.2				
4-Methyl-2-Pentanone	0.620	0.634	0.630	0.631	0.555	0.561	0.605	6				
Toluene	0.884	0.898	0.885	0.904	0.838	0.803	0.869	4.5				

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



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: FIRS02
 Lab Code: CHEM Case No.: Q2072 SAS No.: Q2072 SDG No.: Q2072
 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	
t-1,3-Dichloropropene	0.468	0.528	0.555	0.591	0.406	0.371	0.487	17.9	
cis-1,3-Dichloropropene	0.531	0.578	0.602	0.623	0.469	0.423	0.538	14.6	
1,1,2-Trichloroethane	0.349	0.354	0.351	0.356	0.337	0.308	0.343	5.3	
2-Hexanone	0.466	0.473	0.477	0.473	0.414	0.385	0.448	8.7	
Dibromochloromethane	0.378	0.400	0.415	0.431	0.326	0.306	0.376	13.3	
1,2-Dibromoethane	0.359	0.373	0.368	0.381	0.333	0.322	0.356	6.5	
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	
Ethyl Benzene	1.919	2.022	1.979	2.036	1.816	1.803	1.929	5.2	
m/p-Xylenes	0.706	0.740	0.721	0.740	0.678	0.648	0.706	5.2	
o-Xylene	0.688	0.727	0.706	0.726	0.639	0.642	0.688	5.7	
Styrene	1.135	1.219	1.214	1.230	1.012	0.951	1.127	10.6	
Bromoform	0.270	0.304	0.312	0.327	0.236	0.234	0.281	14.2	
Isopropylbenzene	3.843	4.130	3.876	4.156	3.562	3.789	3.893	5.7	
1,1,2,2-Tetrachloroethane	1.315	1.338	1.284	1.345	1.350	1.552	1.364	7	
1,2,4-Trimethylbenzene	3.274	3.522	3.335	3.444	3.034	3.150	3.293	5.5	
1,3-Dichlorobenzene	1.633	1.701	1.656	1.730	1.558	1.619	1.649	3.7	
1,4-Dichlorobenzene	1.629	1.693	1.639	1.722	1.606	1.817	1.684	4.6	
1,2-Dichlorobenzene	1.613	1.696	1.634	1.702	1.577	1.710	1.655	3.3	
1,2-Dibromo-3-Chloropropane	0.299	0.322	0.329	0.356	0.248	0.259	0.302	13.9	
1,2,4-Trichlorobenzene	0.861	0.981	1.035	1.123	0.842	0.862	0.951	12	
1,2,3-Trichlorobenzene	0.921	1.019	1.051	1.107	0.846	0.941	0.981	9.7	
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

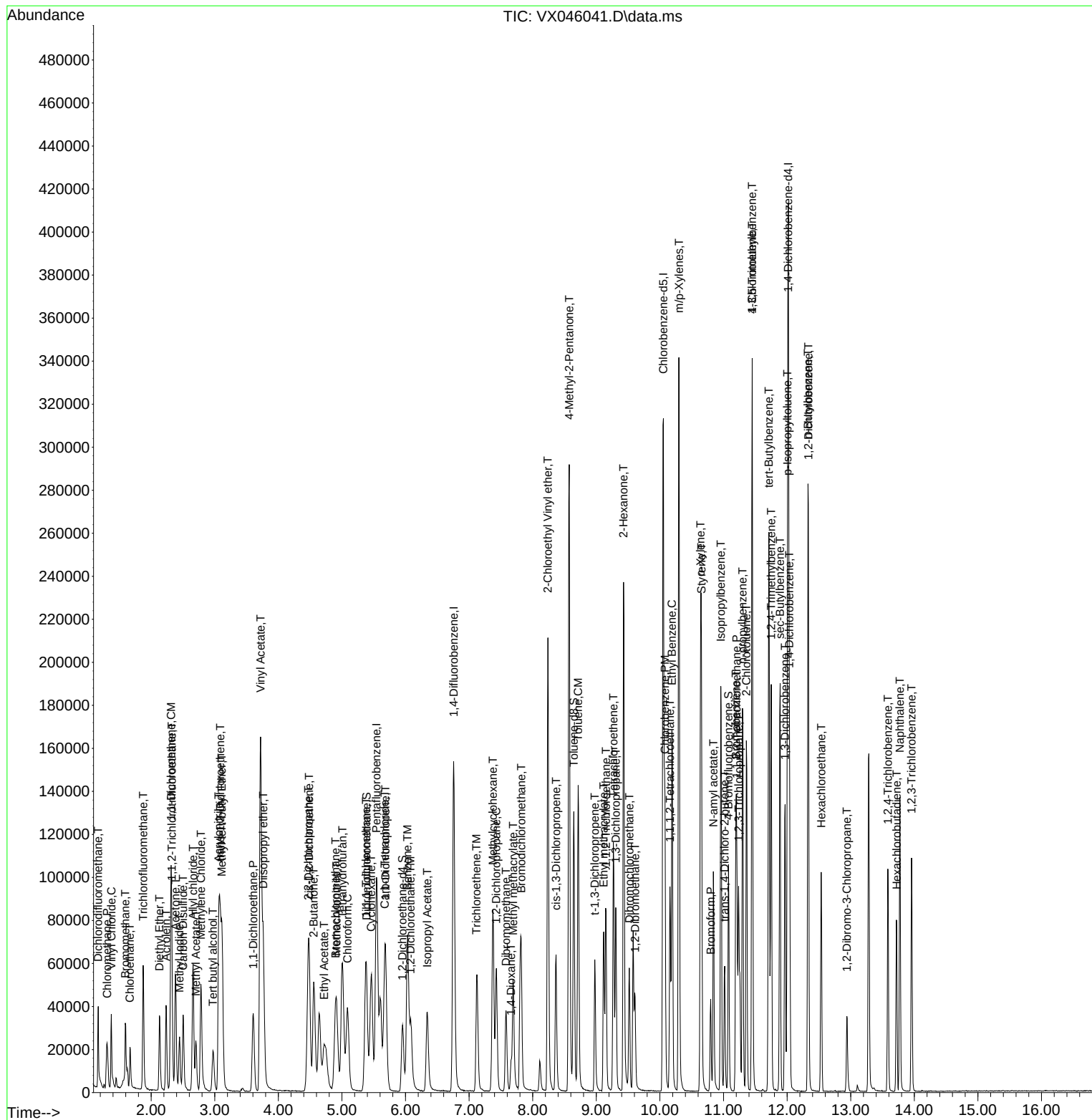
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046041.D
Acq On : 05 May 2025 11:35
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

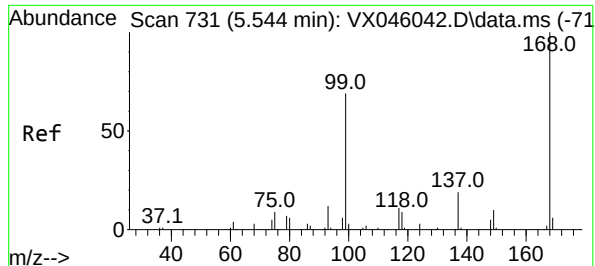
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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





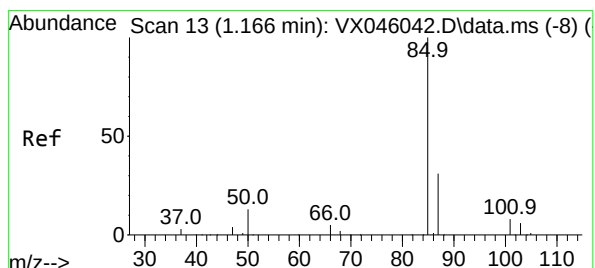
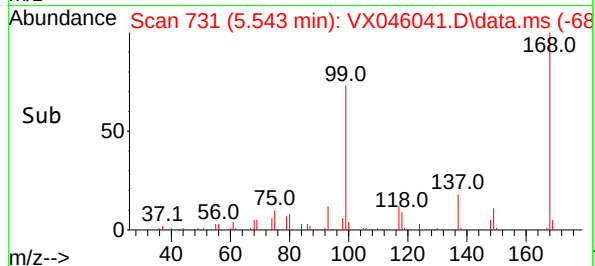
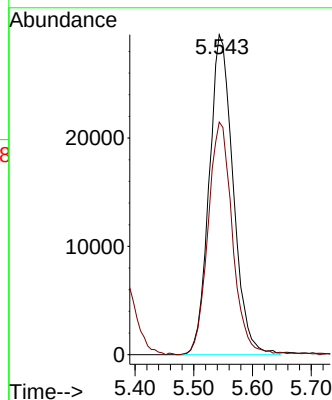
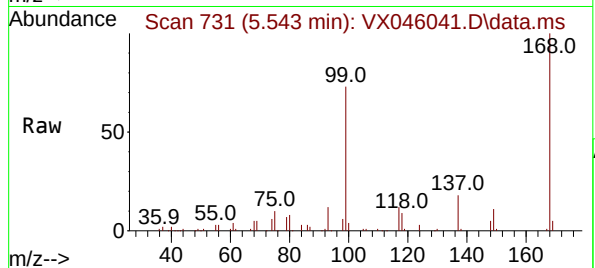
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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

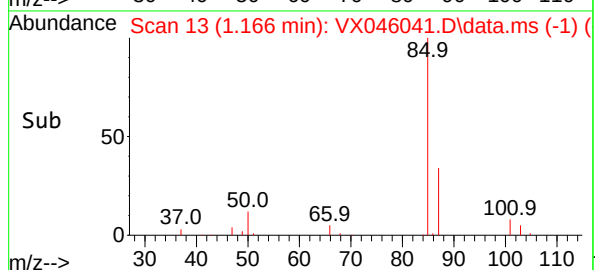
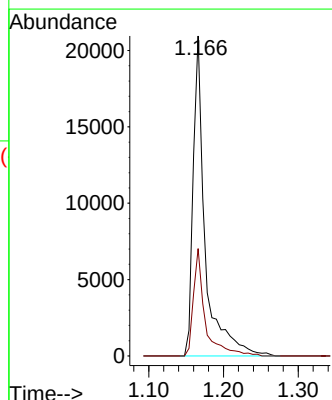
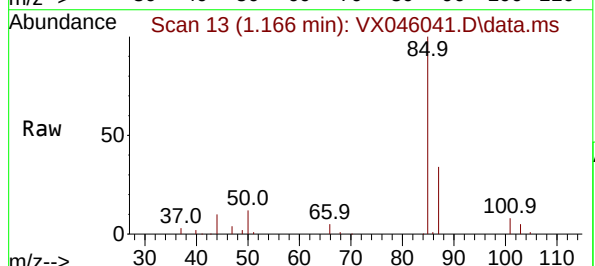
Manual Integrations
APPROVED

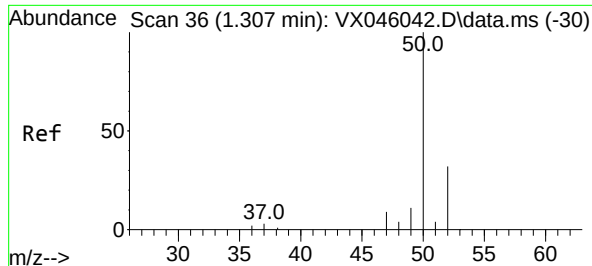
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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





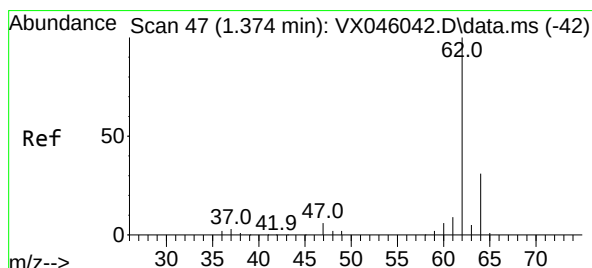
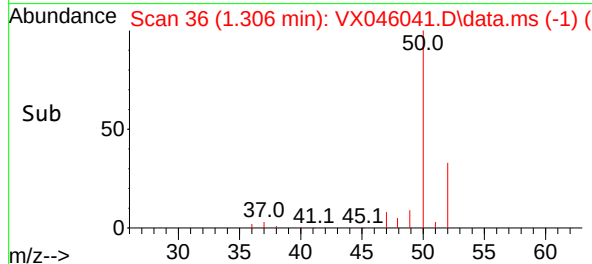
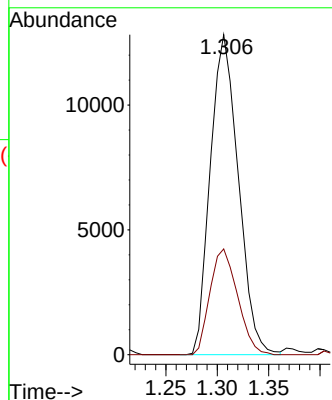
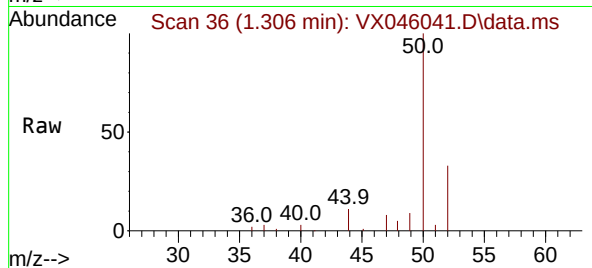
#3
Chloromethane
Concen: 13.371 ug/l
RT: 1.306 min Scan# 30
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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

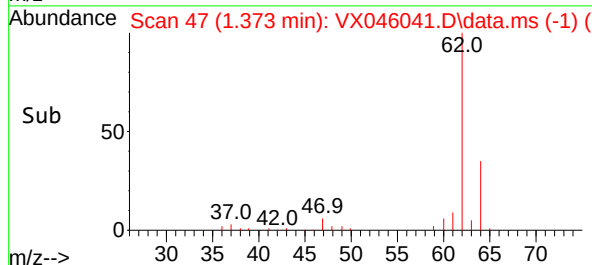
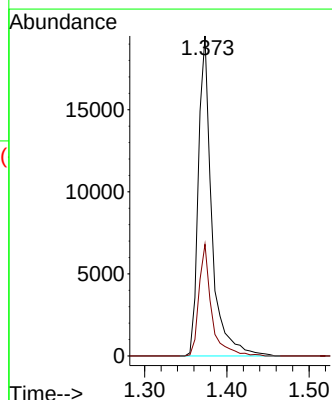
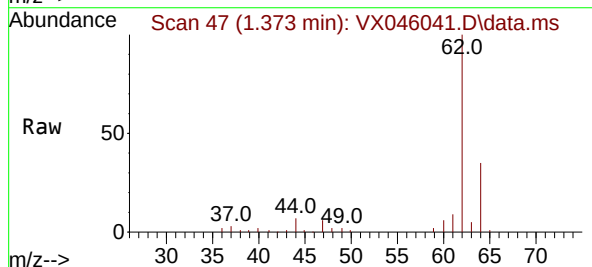
Manual Integrations
APPROVED

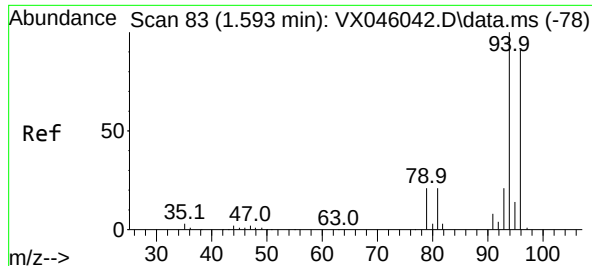
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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





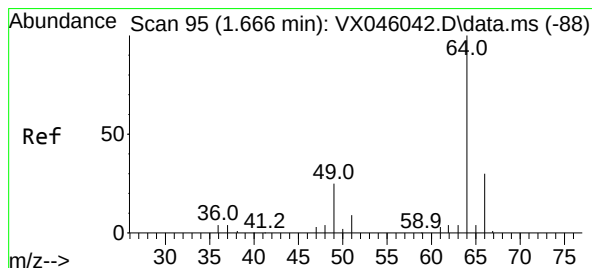
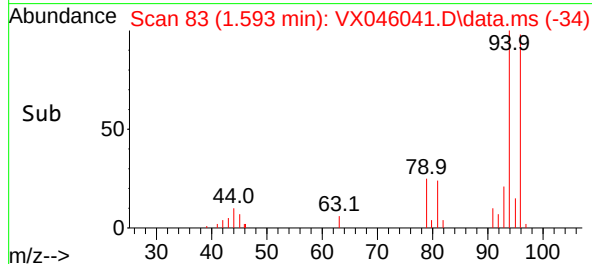
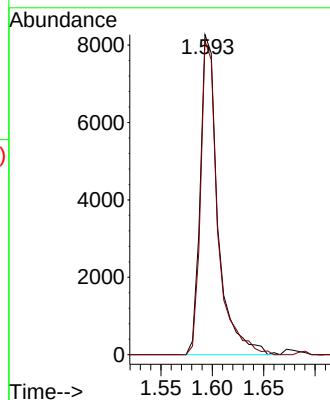
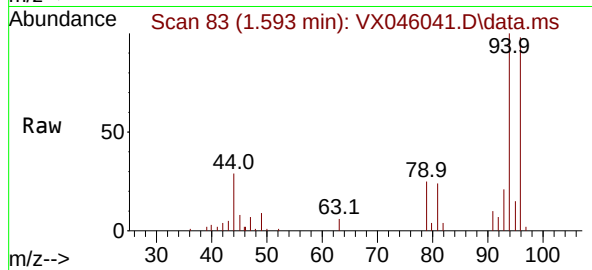
#5
Bromomethane
Concen: 12.279 ug/l
RT: 1.593 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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

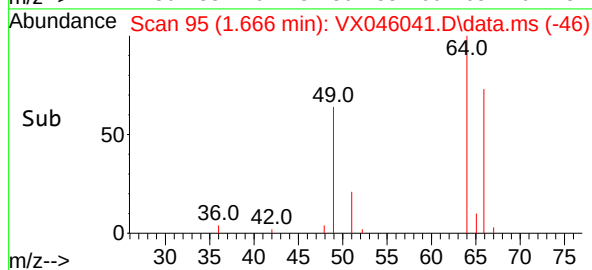
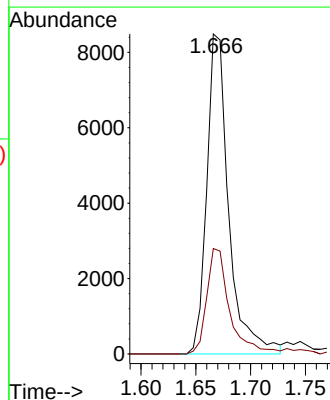
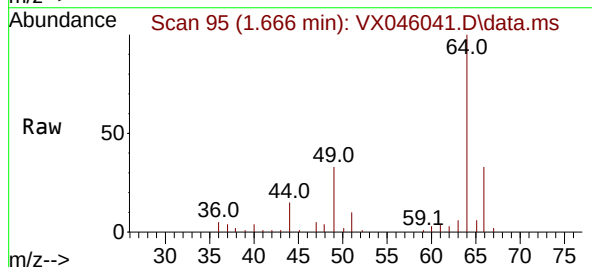
Manual Integrations
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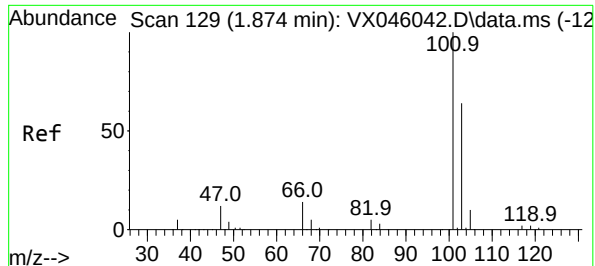
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

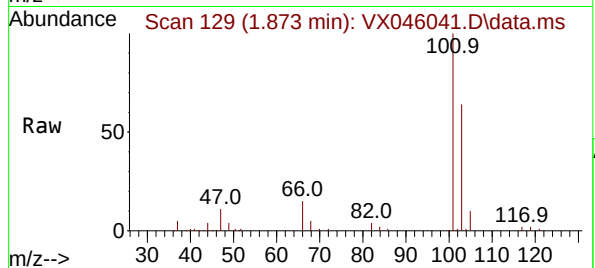
Tgt Ion: 64 Resp: 11832
Ion Ratio Lower Upper
64 100
66 32.9 24.3 36.5





#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

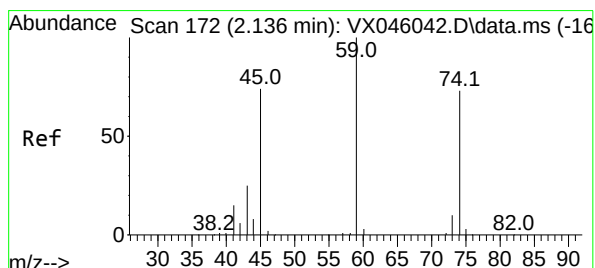
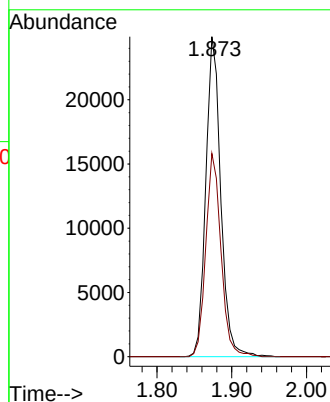
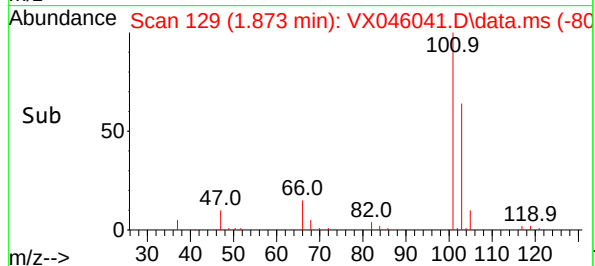
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020



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

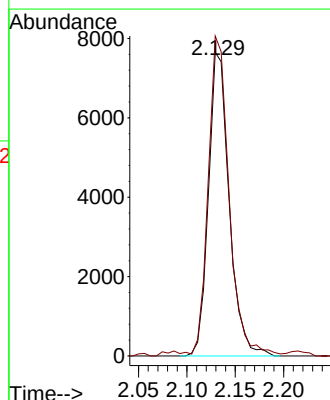
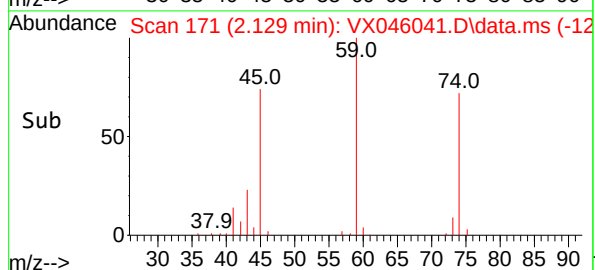
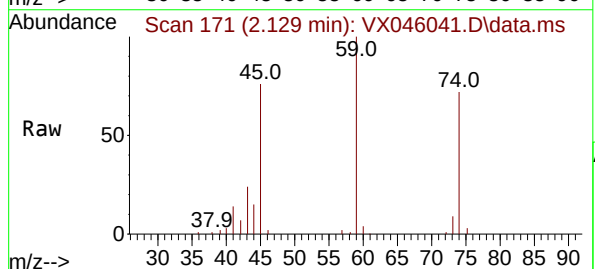
Manual Integrations
APPROVED

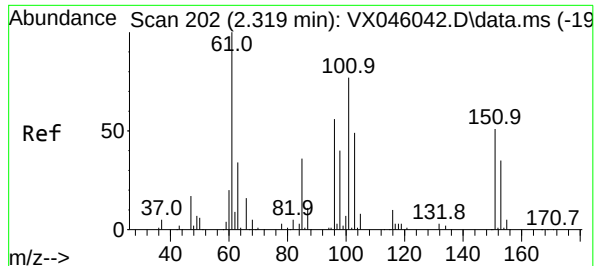
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

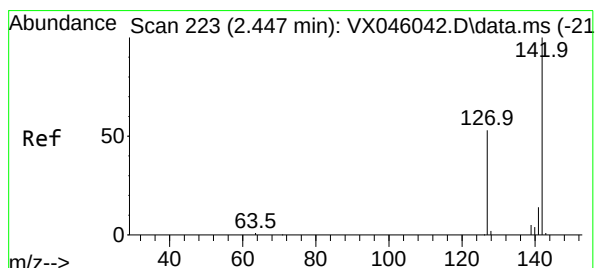
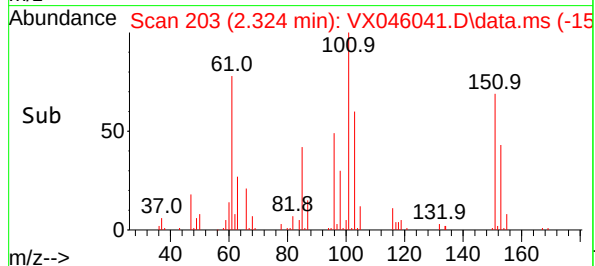
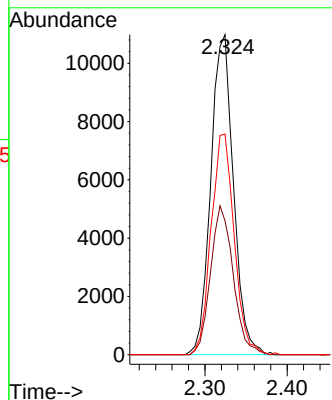
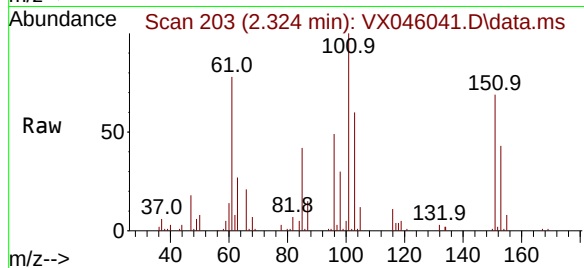
Tgt Ion:	101	Resp:	2102
Ion	Ratio	Lower	Upper
101	100		
85	46.6	38.6	58.0
151	70.4	55.2	82.8

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

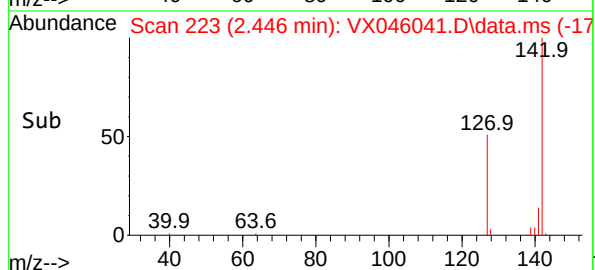
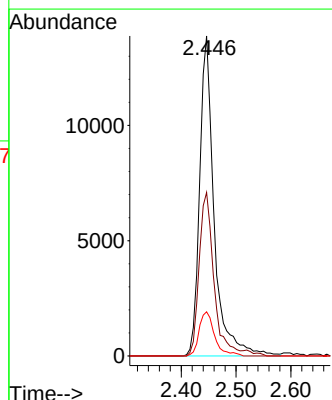
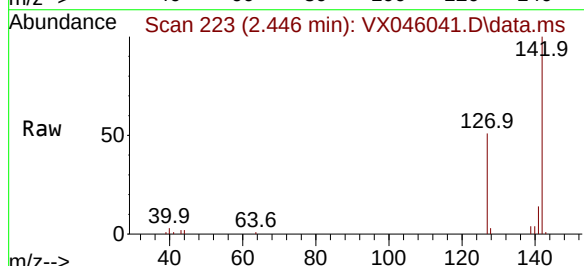
RT: 2.446 min Scan# 223

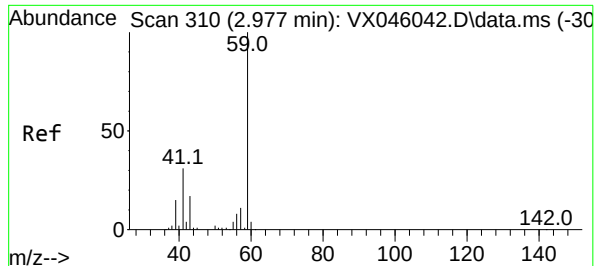
Delta R.T. -0.000 min

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 :

VSTDIC020

Tgt Ion: 59 Resp: 20370

Ion Ratio Lower Upper

59 100

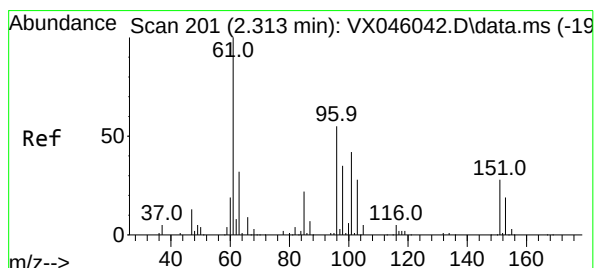
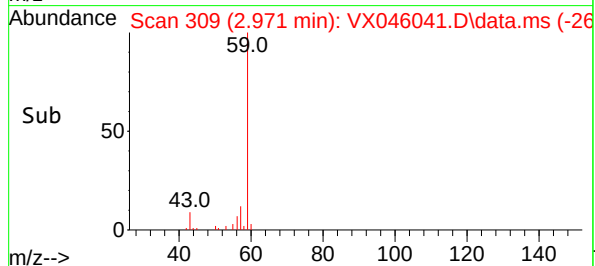
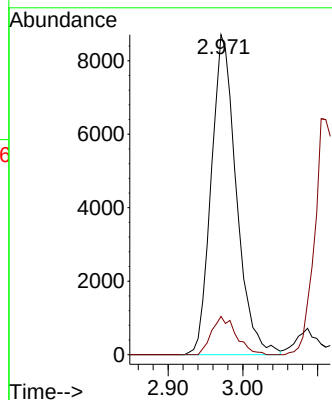
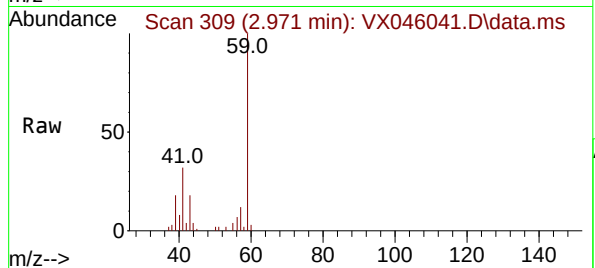
57 11.7 8.6 12.8

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

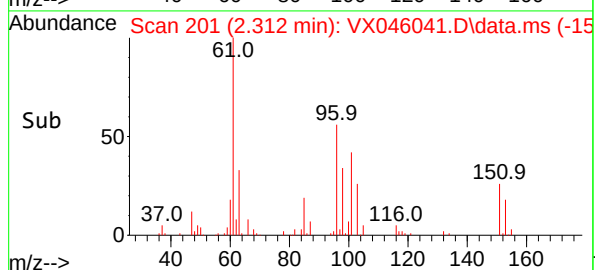
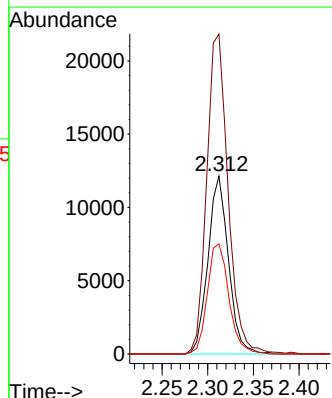
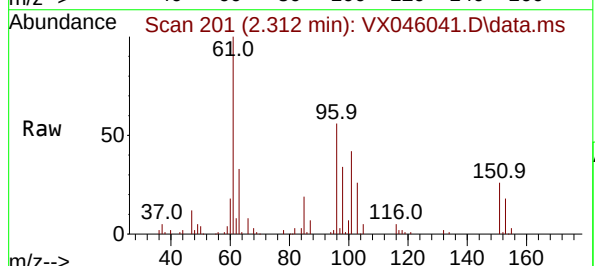
Tgt Ion: 96 Resp: 18899

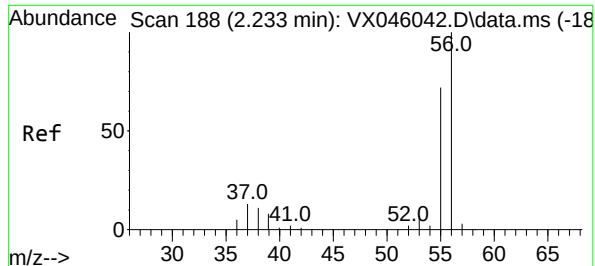
Ion Ratio Lower Upper

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

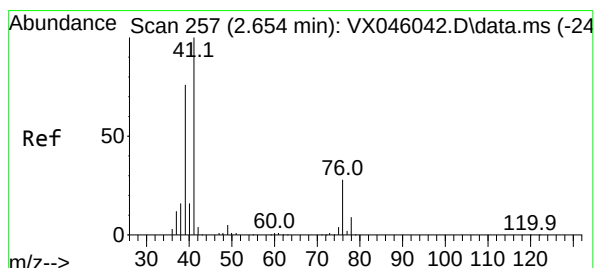
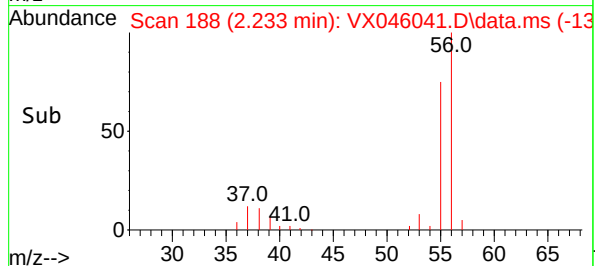
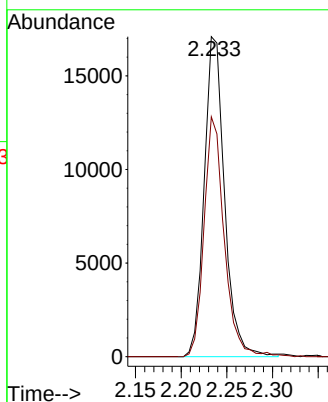
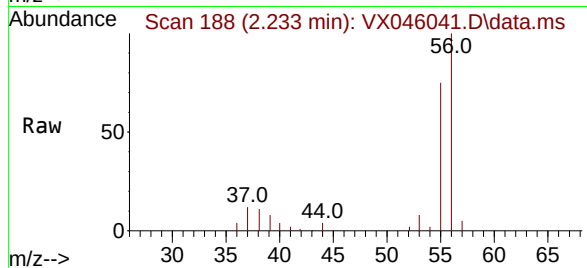
55 74.3 56.2 84.4

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

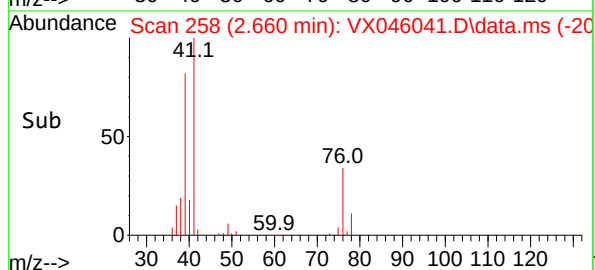
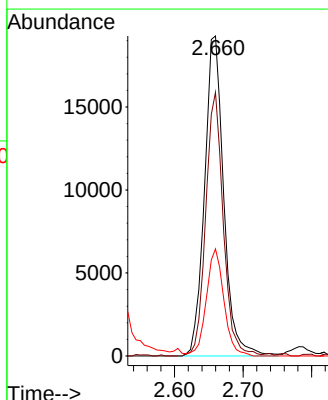
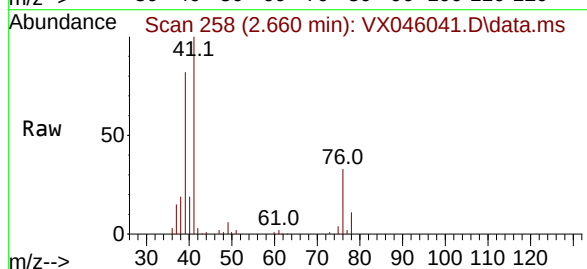
Tgt Ion: 41 Resp: 37708

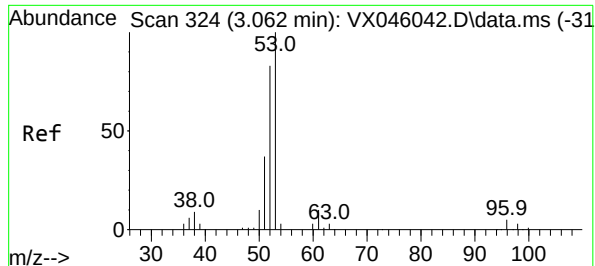
Ion Ratio Lower Upper

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 :

VSTDICC020

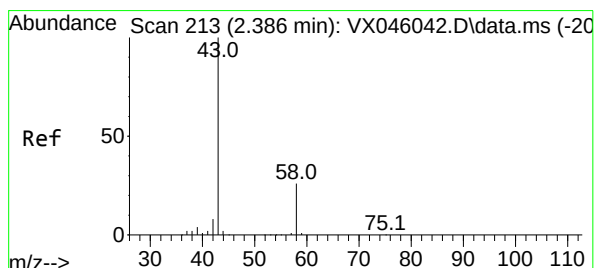
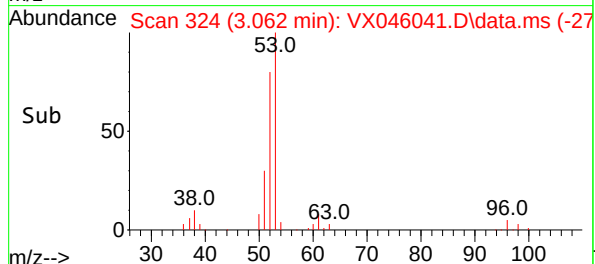
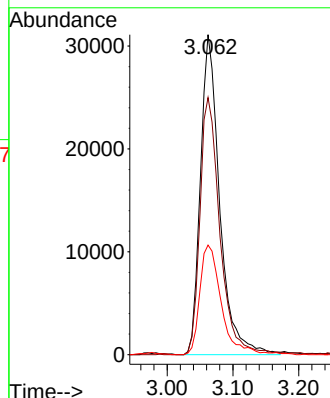
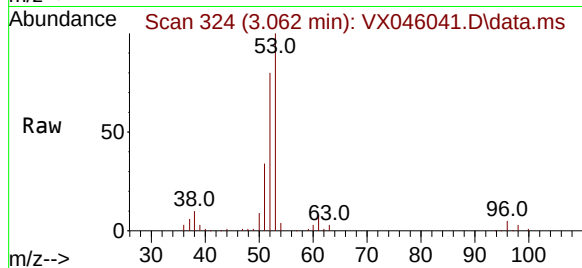
Tgt Ion:	53	Resp:	63290
Ion	Ratio	Lower	Upper
53	100		
52	83.5	65.3	97.9
51	38.4	29.8	44.8

Manual Integrations

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Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#16

Acetone

Concen: 70.884 ug/l

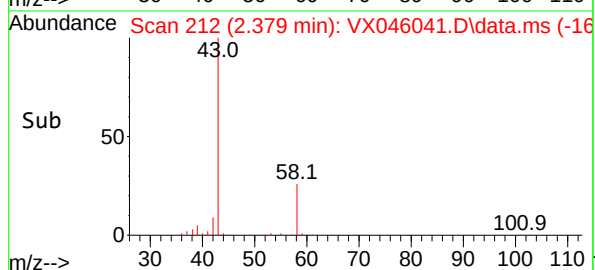
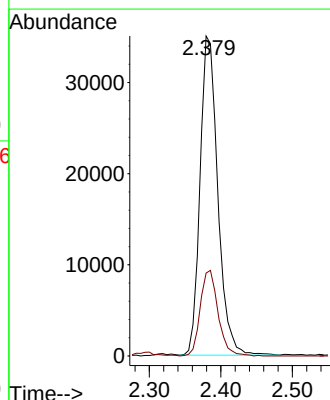
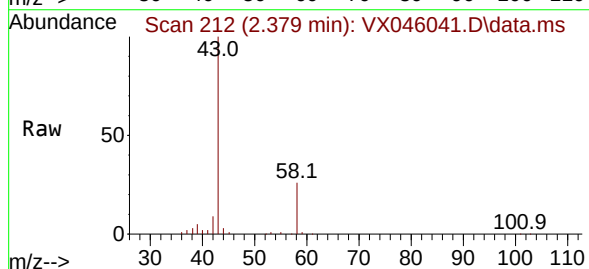
RT: 2.379 min Scan# 212

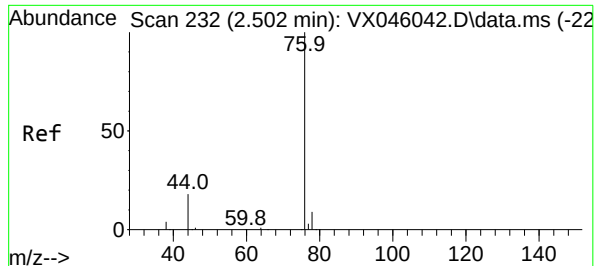
Delta R.T. -0.006 min

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

Tgt Ion: 76 Resp: 4334

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.4

Instrument :

MSVOA_X

ClientSampleId :

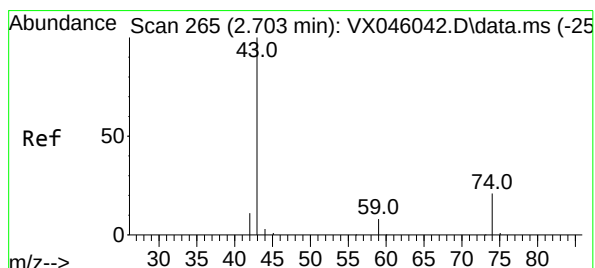
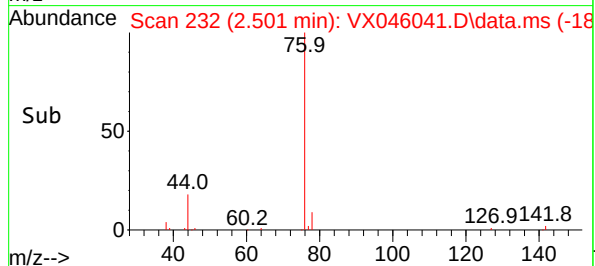
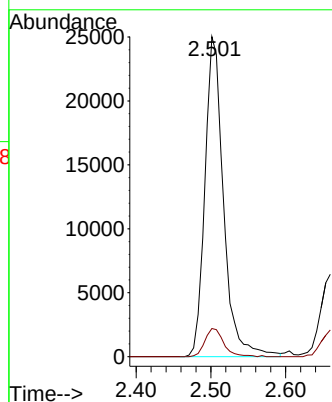
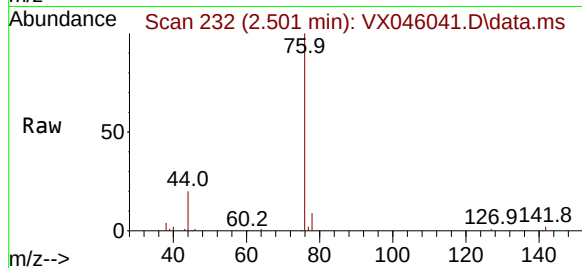
VSTDIC020

Manual Integrations

APPROVED

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

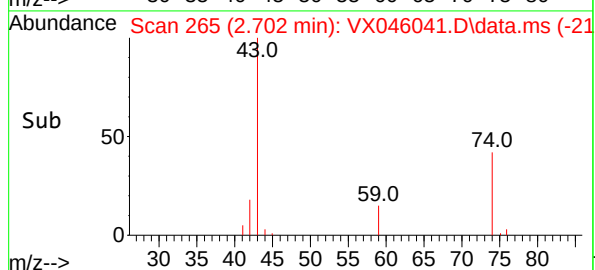
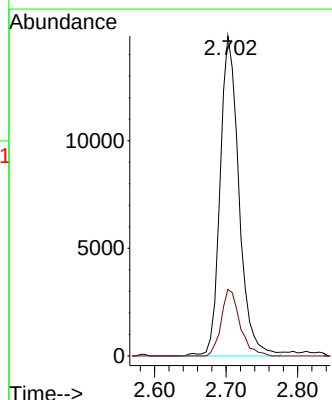
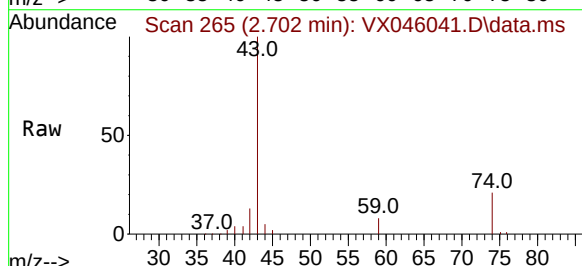
Acq: 05 May 2025 11:35

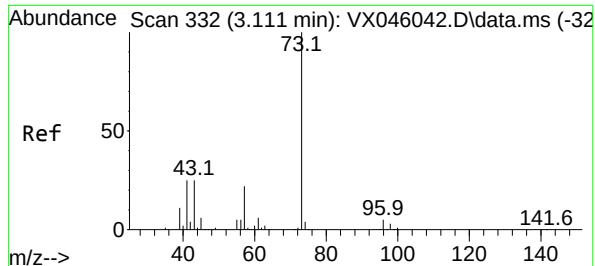
Tgt Ion: 43 Resp: 27234

Ion Ratio Lower Upper

43 100

74 20.7 16.7 25.1





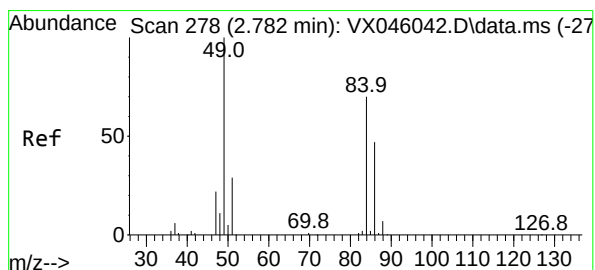
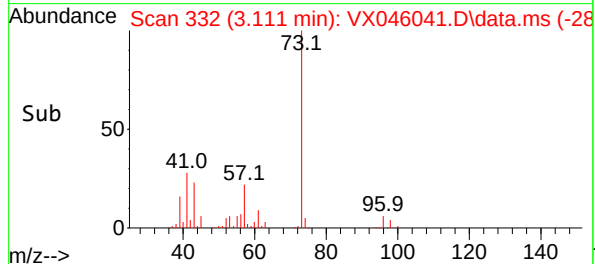
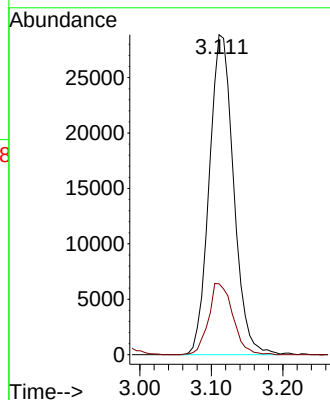
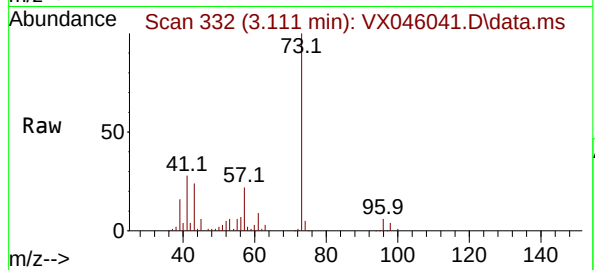
#19
Methyl tert-butyl Ether
Concen: 13.890 ug/l
RT: 3.111 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

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

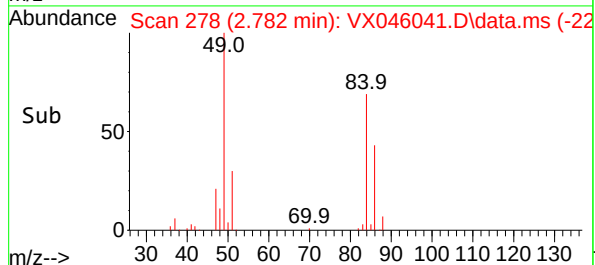
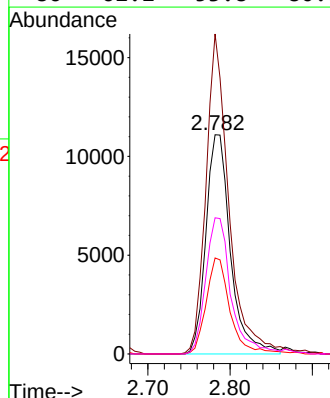
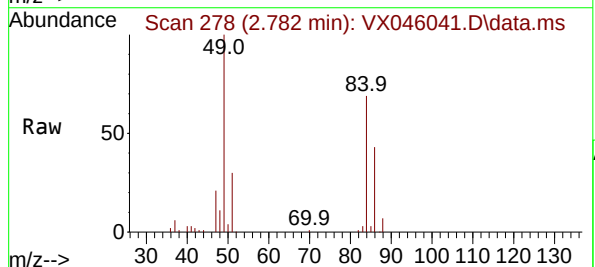
Manual Integrations
APPROVED

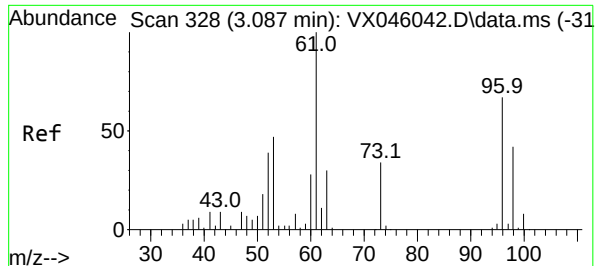
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

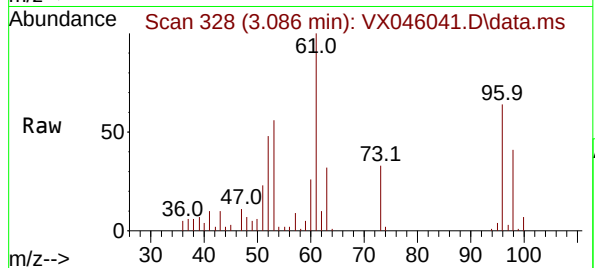
Tgt Ion: 84 Resp: 23050
Ion Ratio Lower Upper
84 100
49 146.0 113.9 170.9
51 43.8 33.5 50.3
86 62.2 53.8 80.8





#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

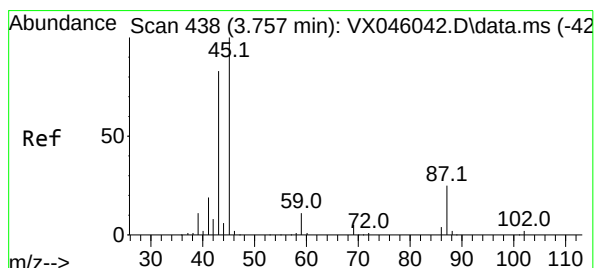
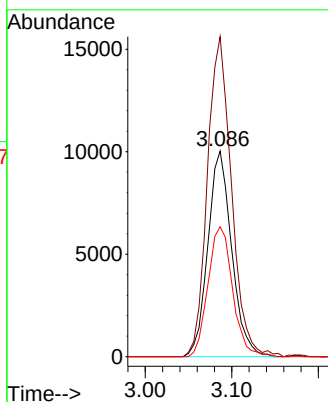
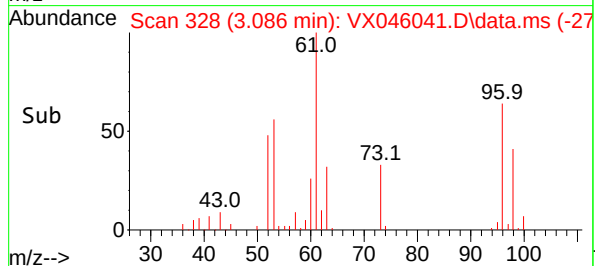
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



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

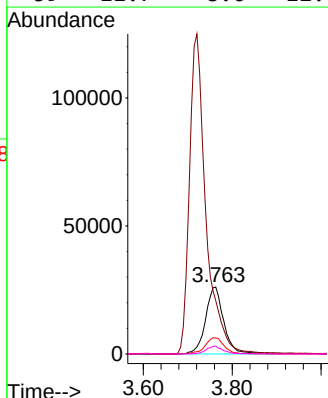
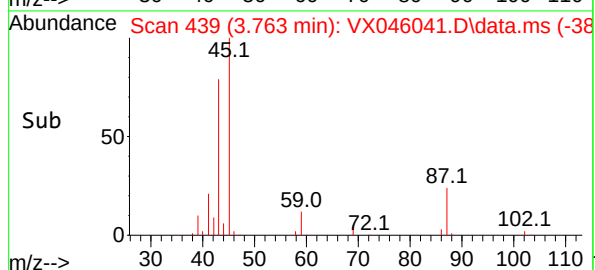
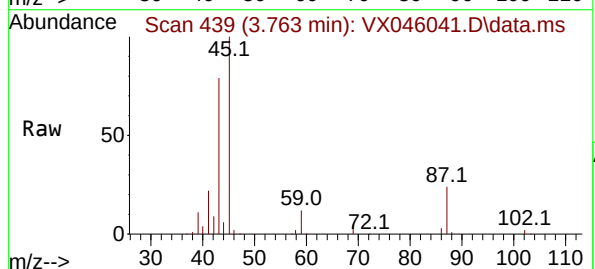
Manual Integrations
APPROVED

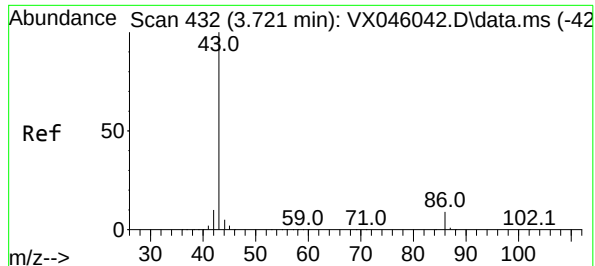
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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





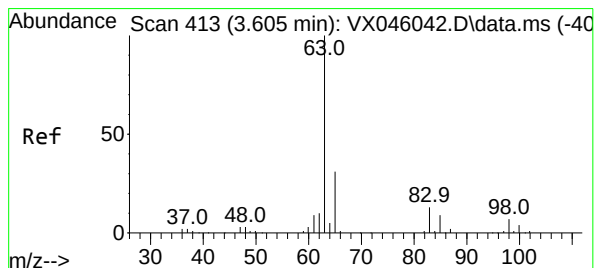
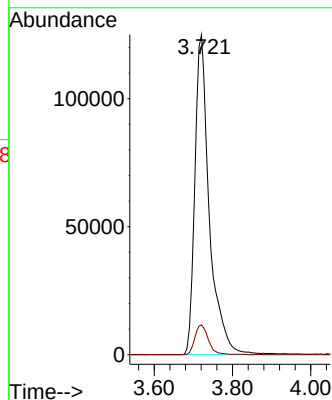
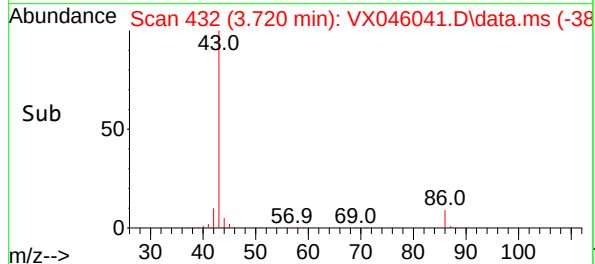
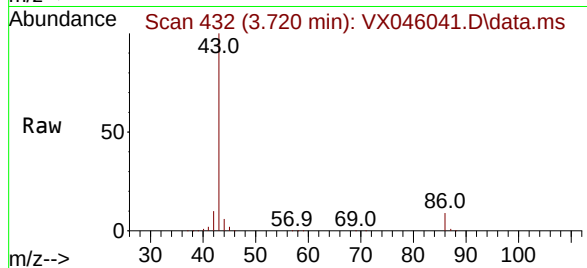
#23
Vinyl Acetate
Concen: 73.230 ug/l
RT: 3.720 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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

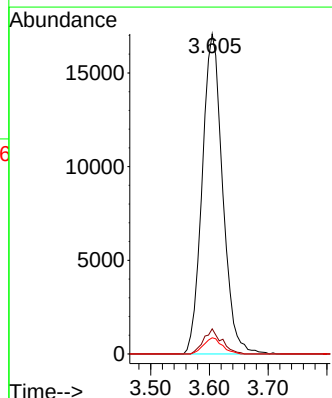
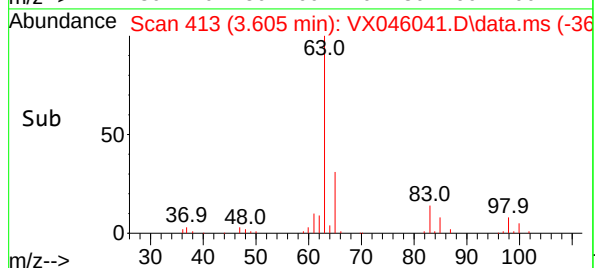
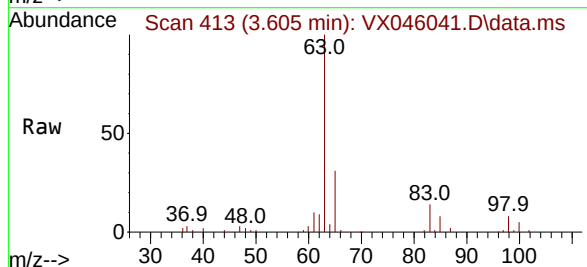
Manual Integrations
APPROVED

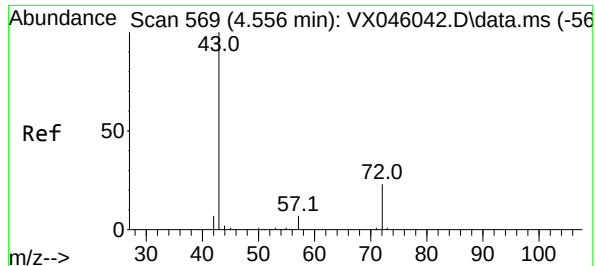
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

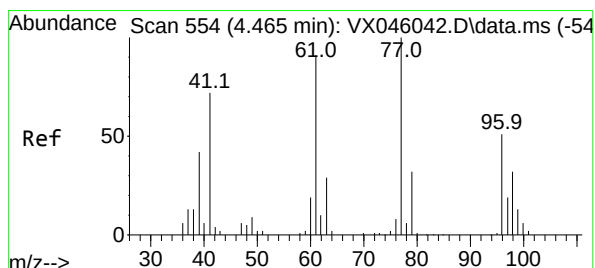
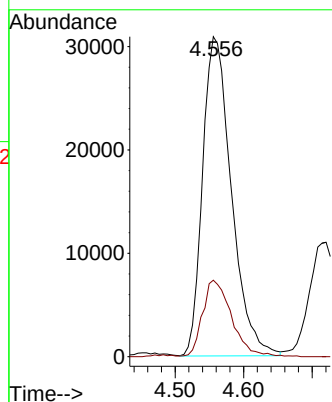
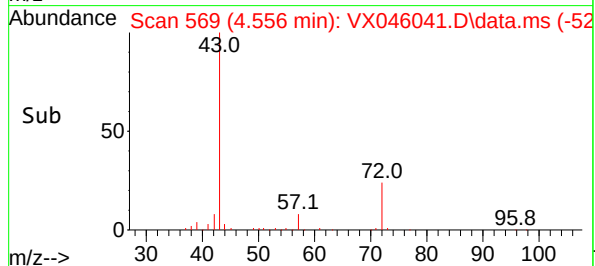
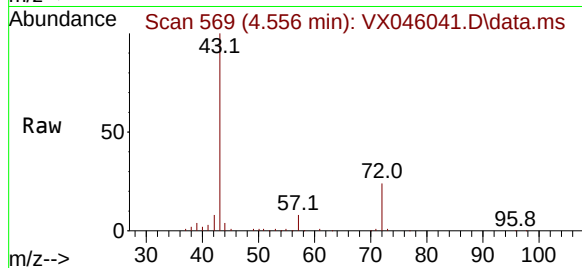
72 23.8 18.4 27.6

Manual Integrations

APPROVED

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

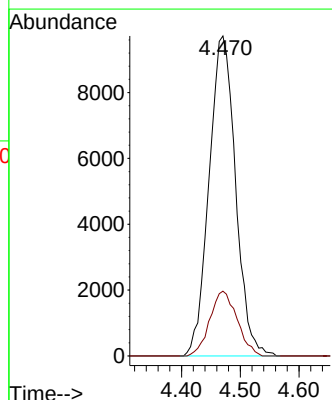
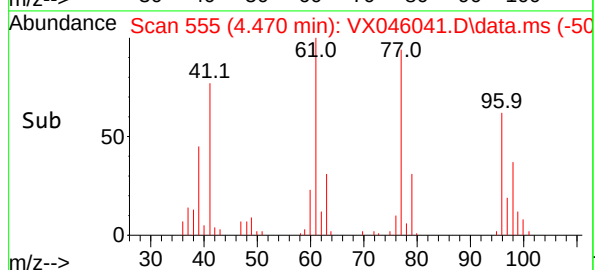
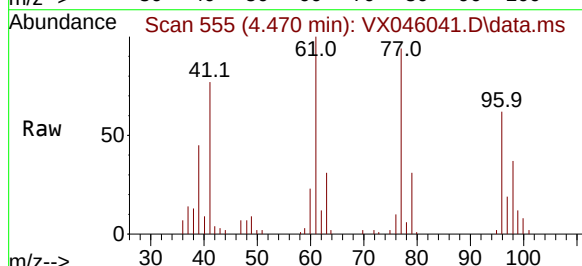
Acq: 05 May 2025 11:35

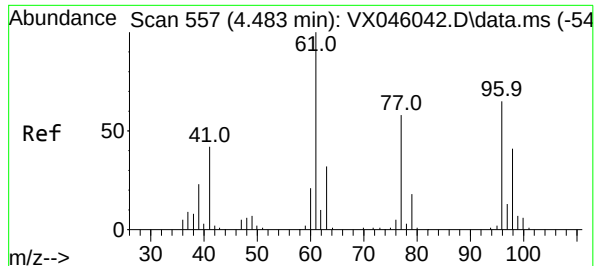
Tgt Ion: 77 Resp: 30472

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

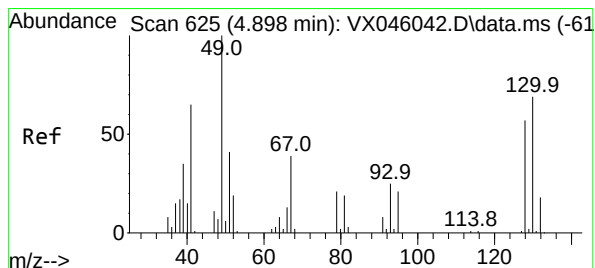
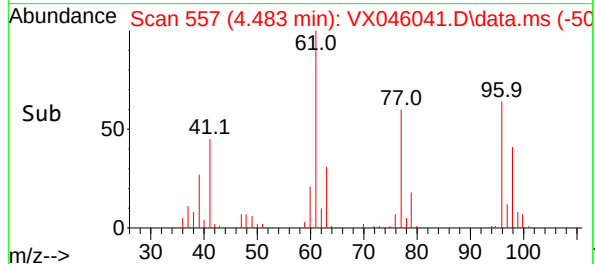
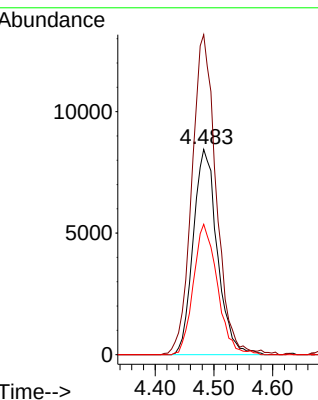
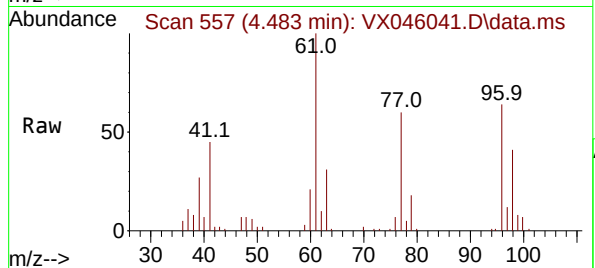
98 63.5 0.0 129.0

Manual Integrations

APPROVED

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

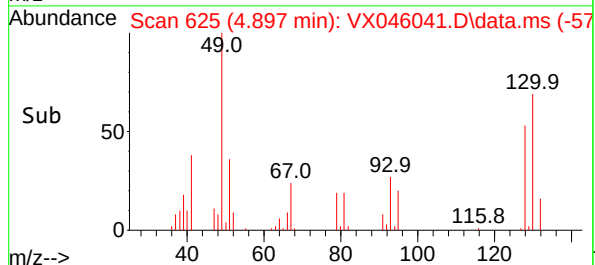
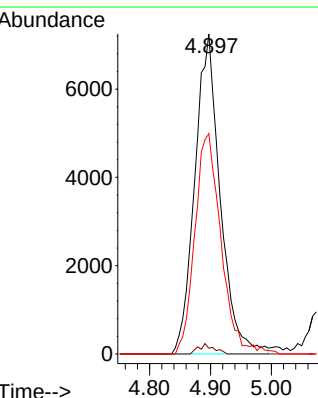
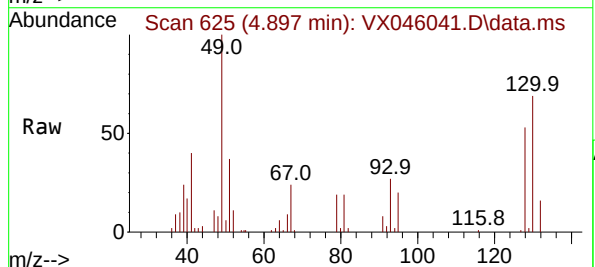
Tgt Ion: 49 Resp: 21028

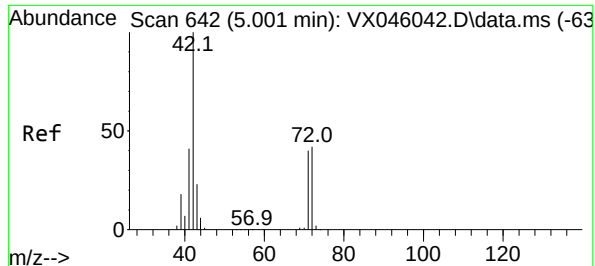
Ion Ratio Lower Upper

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 :

VSTDICC020

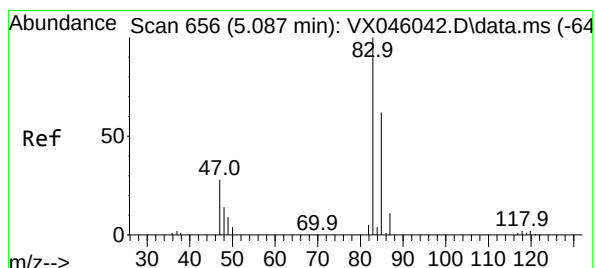
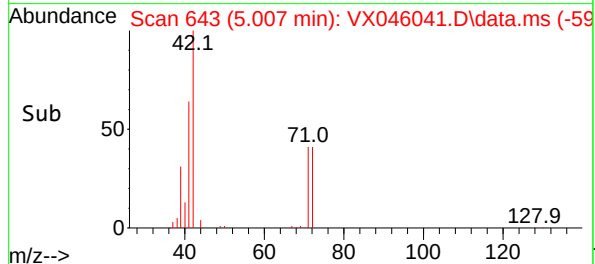
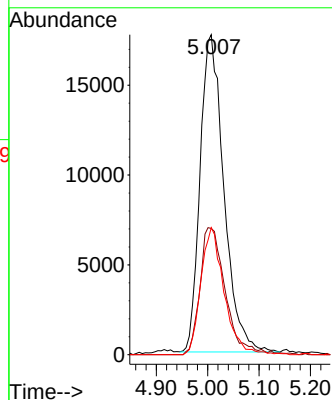
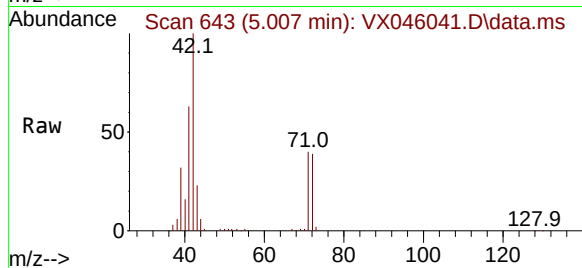
Tgt Ion:	42	Resp:	56819
Ion Ratio	Lower	Upper	
42	100		
72	42.3	33.7	50.5
71	39.2	31.4	47.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#30

Chloroform

Concen: 14.144 ug/l

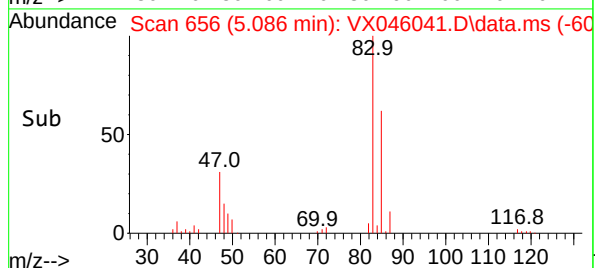
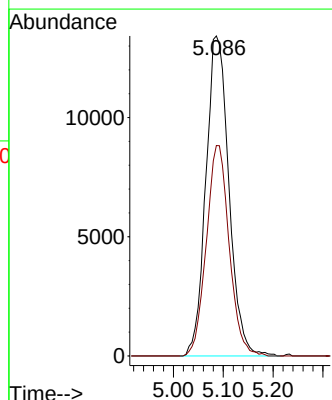
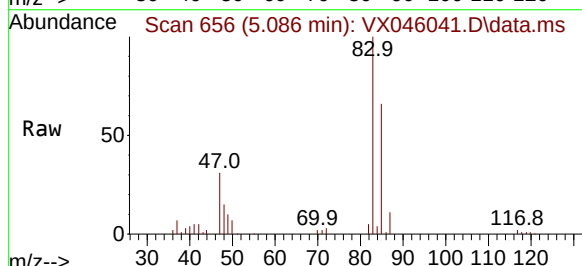
RT: 5.086 min Scan# 656

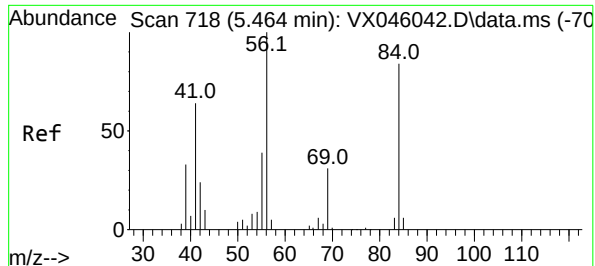
Delta R.T. -0.000 min

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





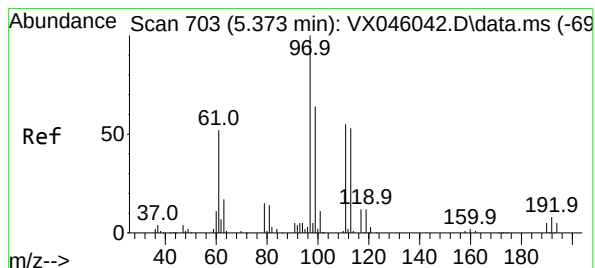
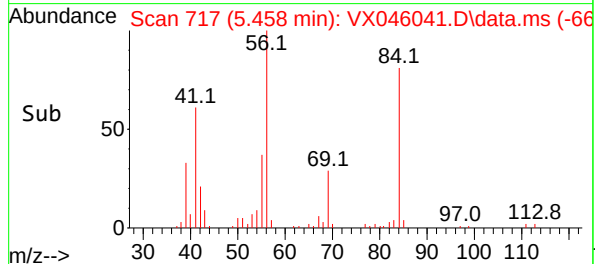
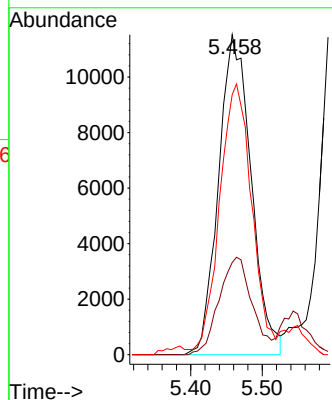
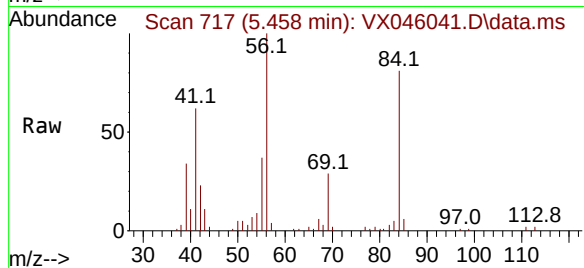
#31
Cyclohexane
Concen: 14.769 ug/l
RT: 5.458 min Scan# 718
Delta R.T. -0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

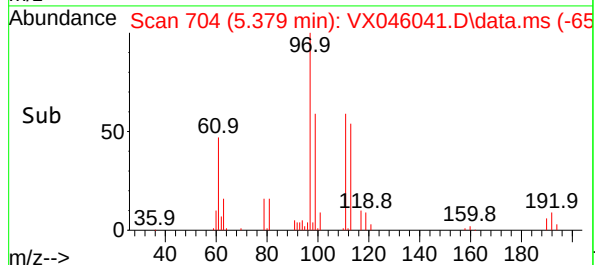
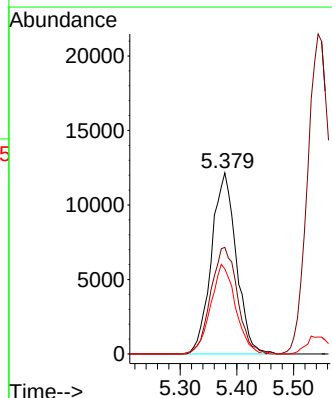
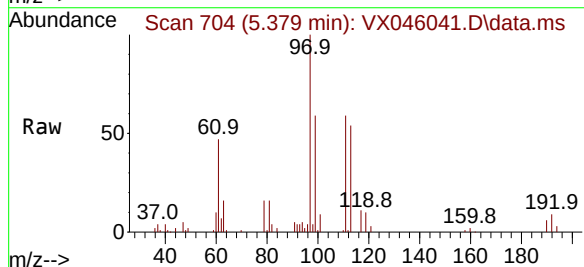
Manual Integrations
APPROVED

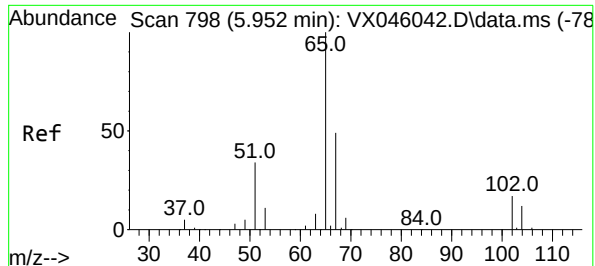
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

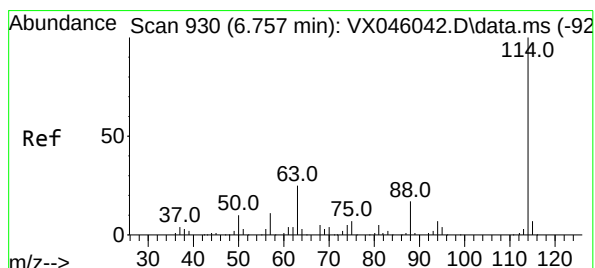
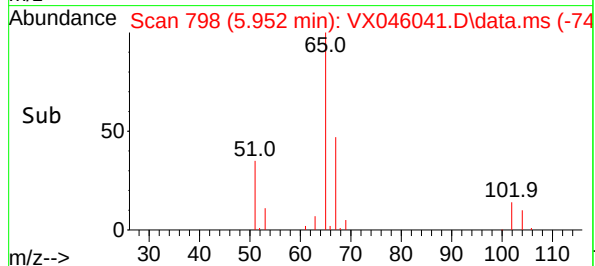
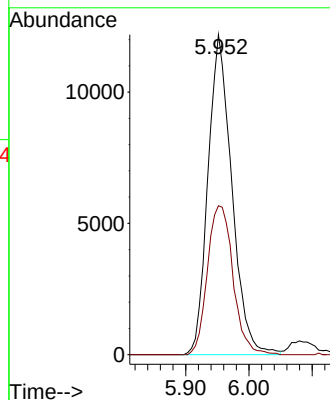
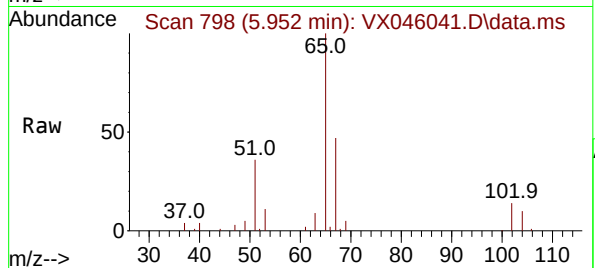
67 49.9 0.0 99.0

Manual Integrations

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: VX046041.D

Acq: 05 May 2025 11:35

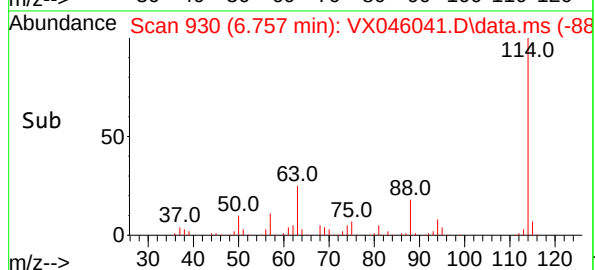
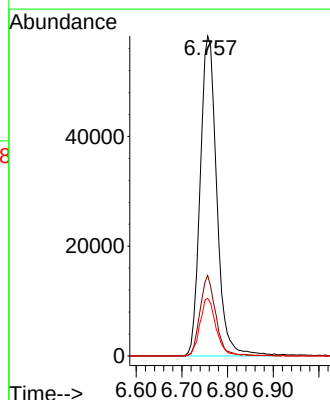
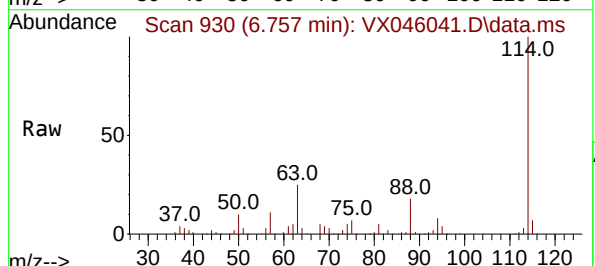
Tgt Ion:114 Resp: 147096

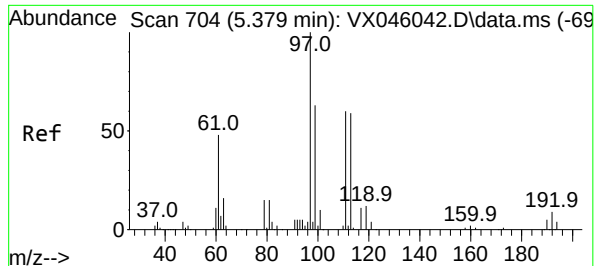
Ion Ratio Lower Upper

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

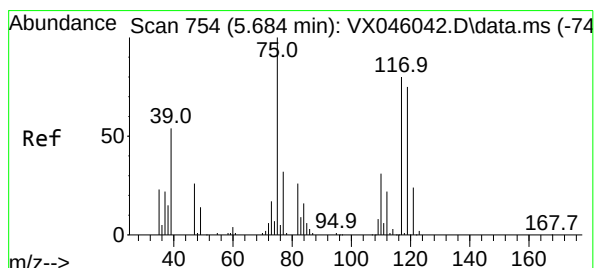
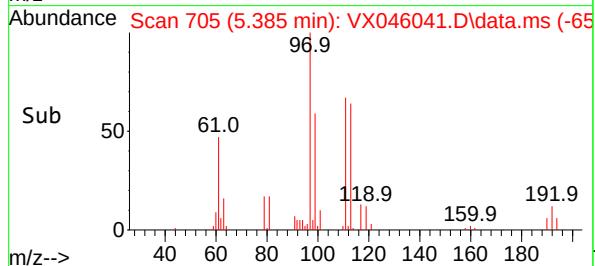
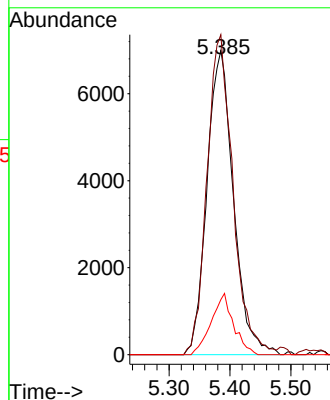
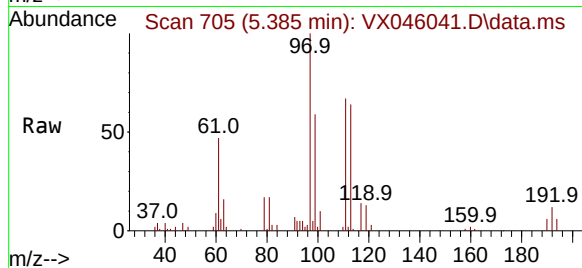
Tgt Ion:	113	Resp:	2111
Ion	Ratio	Lower	Upper
113	100		
111	103.0	83.1	124.7
192	17.0	13.3	19.9

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

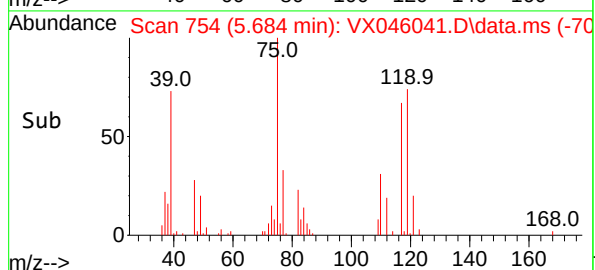
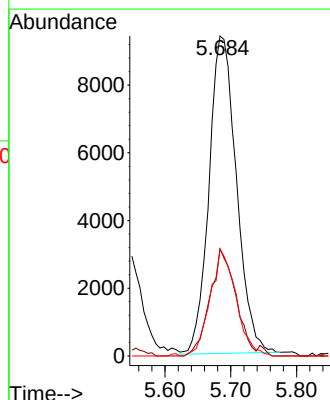
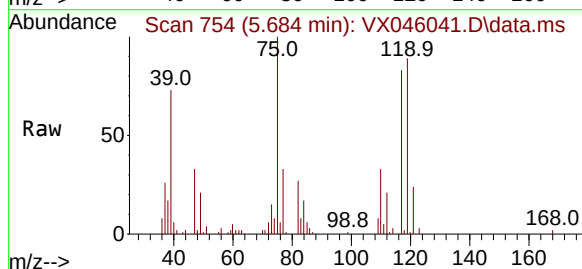
RT: 5.684 min Scan# 754

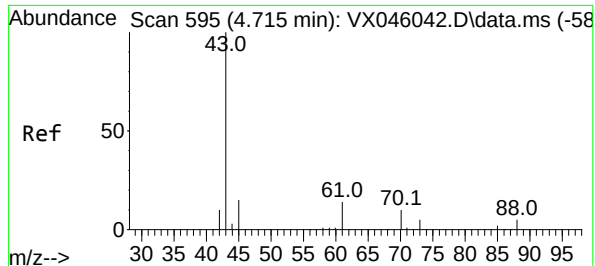
Delta R.T. -0.000 min

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

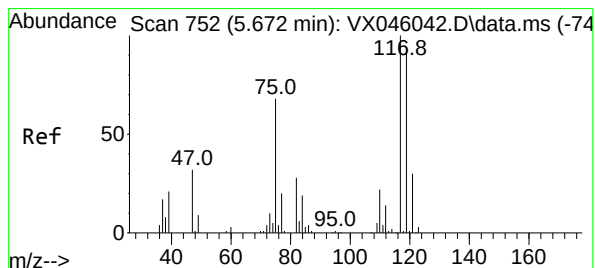
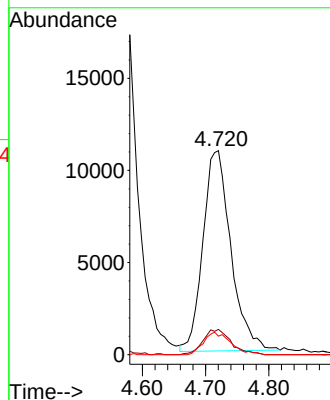
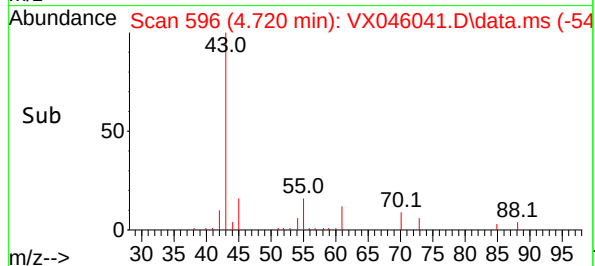
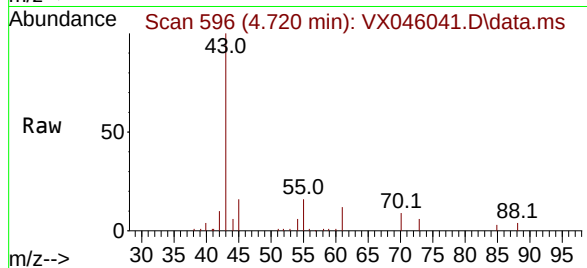
Tgt Ion:	43	Resp:	3345
Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.3	15.5
70	10.9	7.9	11.9

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

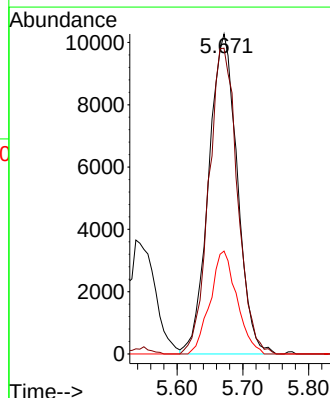
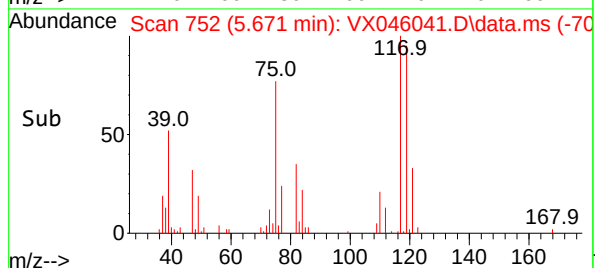
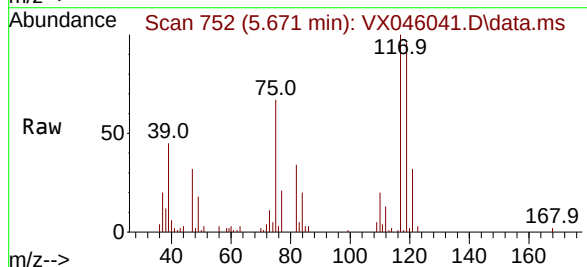
RT: 5.671 min Scan# 752

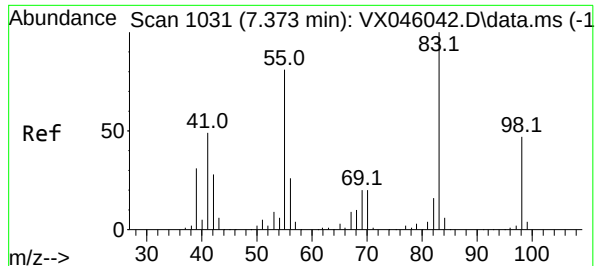
Delta R.T. -0.000 min

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 :

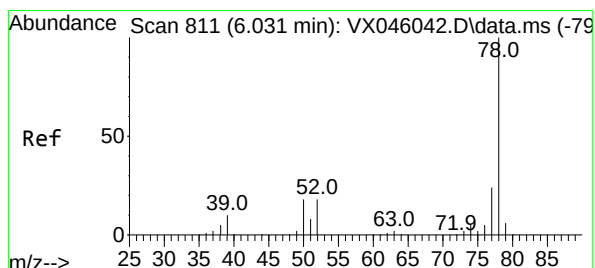
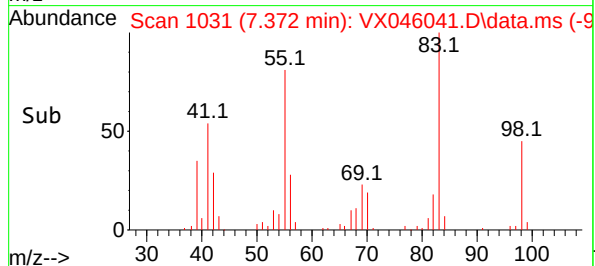
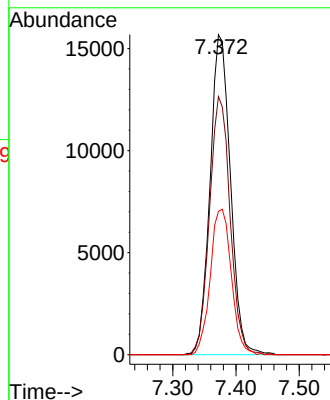
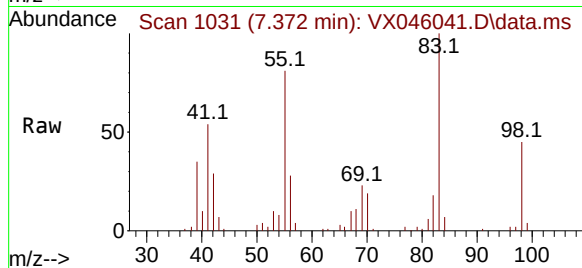
VSTDIC020

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

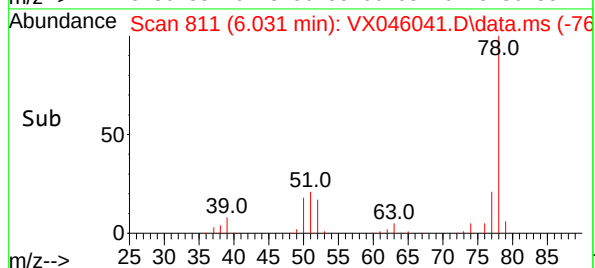
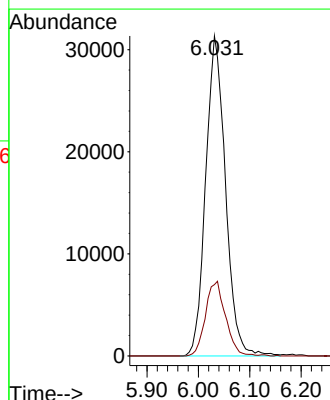
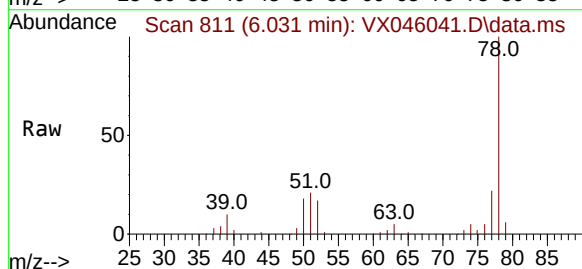
RT: 6.031 min Scan# 811

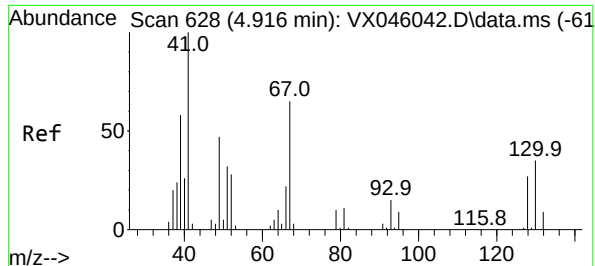
Delta R.T. -0.000 min

Lab File: VX046041.D

Acq: 05 May 2025 11:35

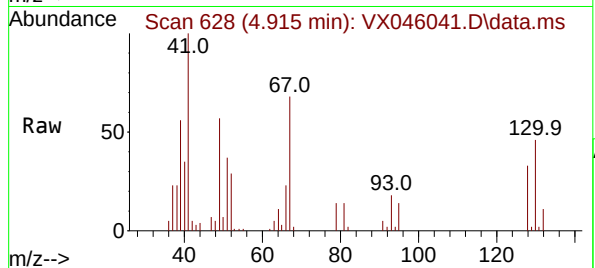
Tgt Ion: 78	Resp: 83898
Ion Ratio	Lower Upper
78	100
77	22.3 19.0 28.4





#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

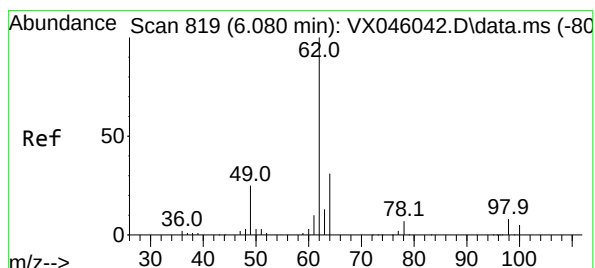
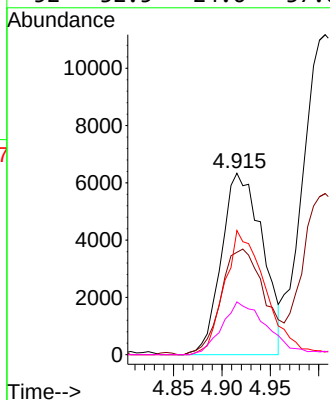
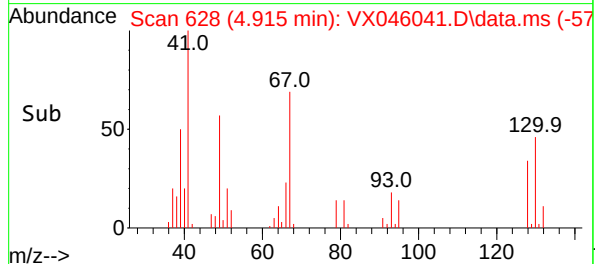
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



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

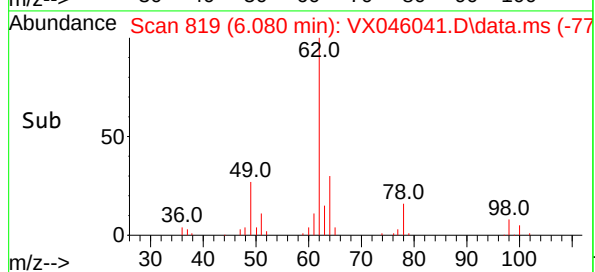
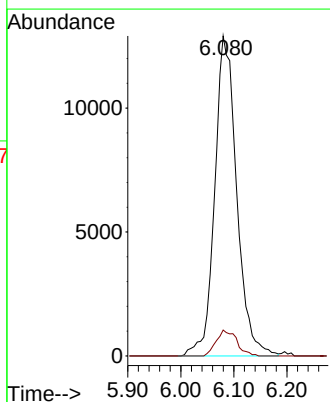
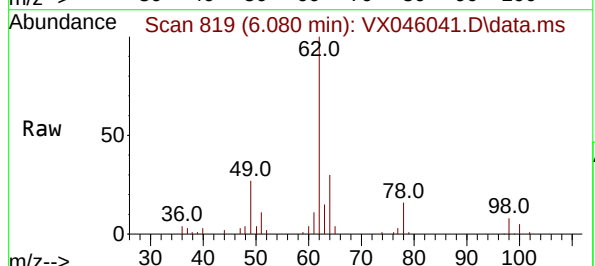
Manual Integrations
APPROVED

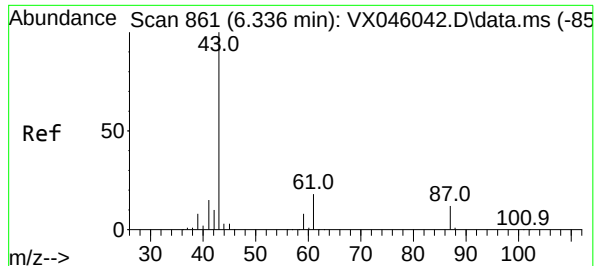
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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# 862

Delta R.T. 0.006 min

Lab File: VX046041.D

Acq: 05 May 2025 11:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

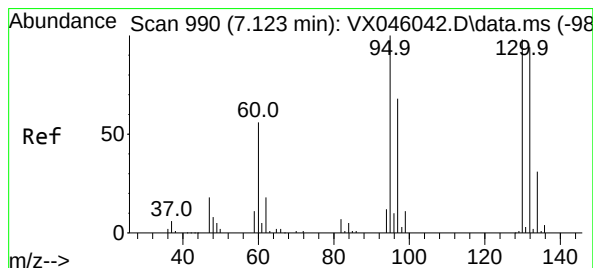
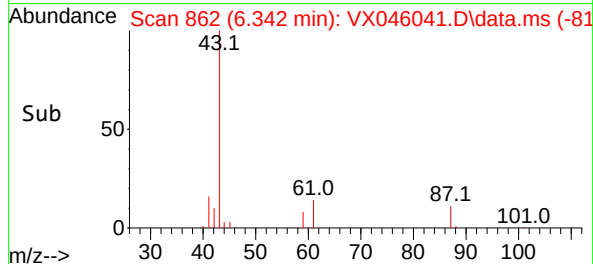
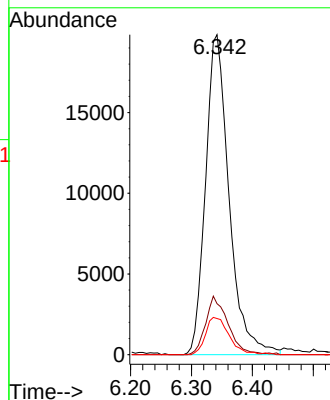
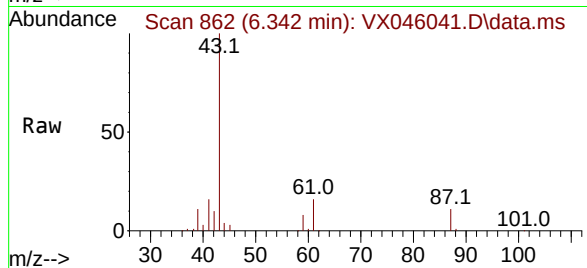
Tgt Ion: 43	Resp: 5327
Ion Ratio	Lower Upper
43	100
61	17.3 14.3 21.5
87	11.6 9.5 14.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#44

Trichloroethene

Concen: 14.429 ug/l

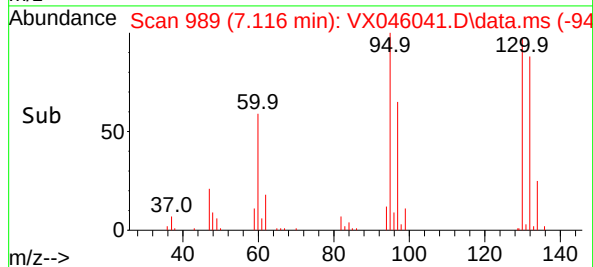
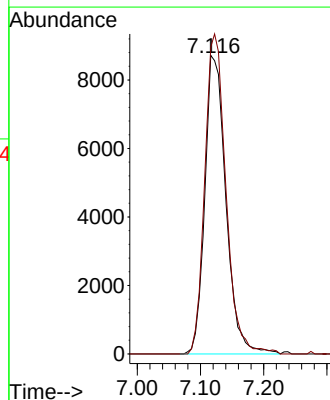
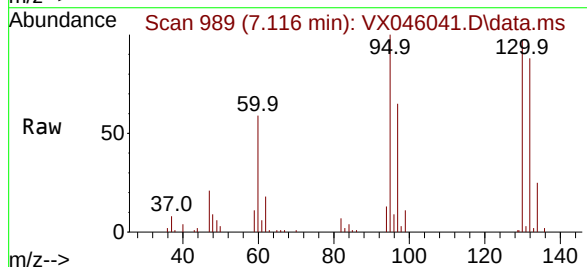
RT: 7.116 min Scan# 989

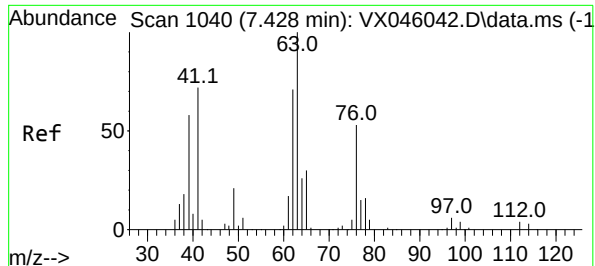
Delta R.T. -0.006 min

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

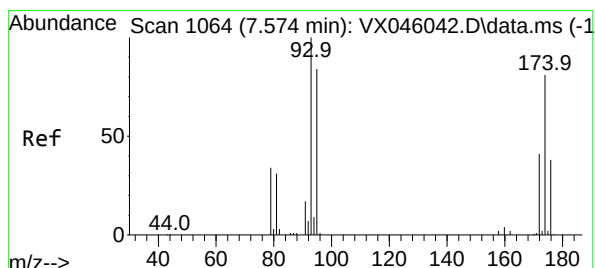
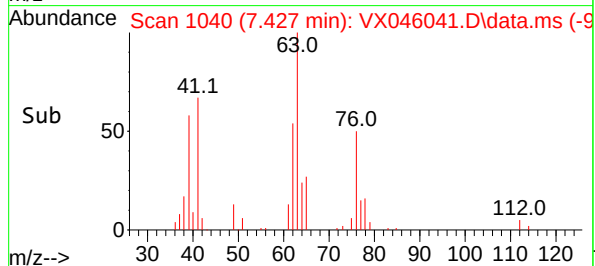
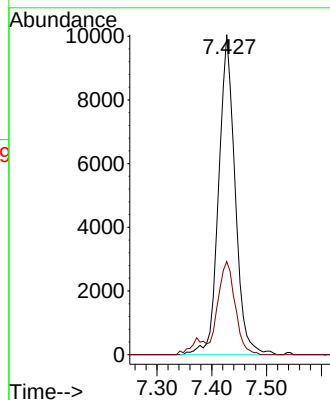
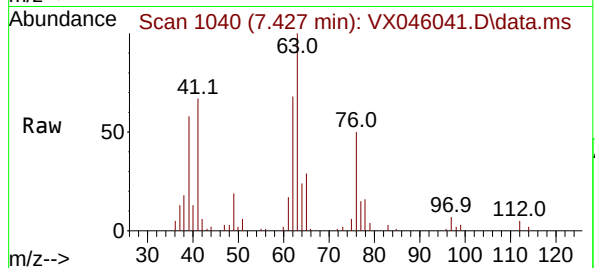
65 29.1 24.1 36.1

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

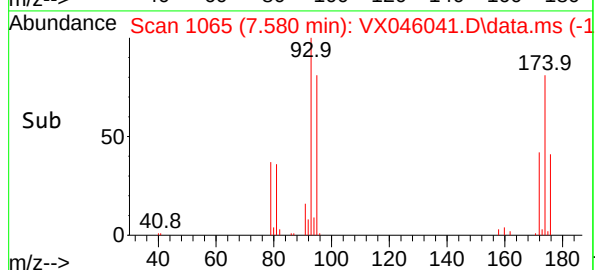
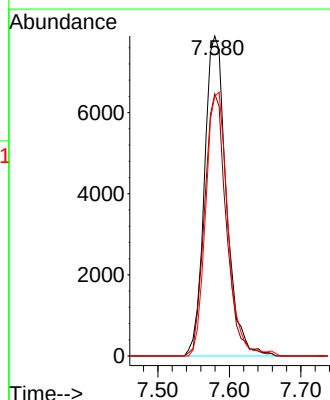
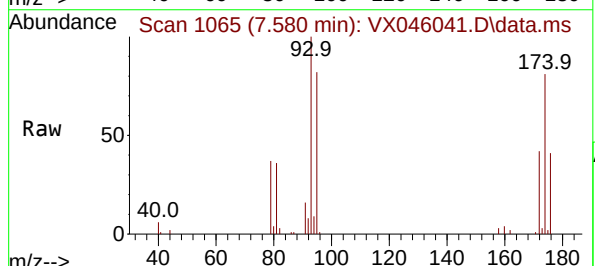
Tgt Ion: 93 Resp: 16781

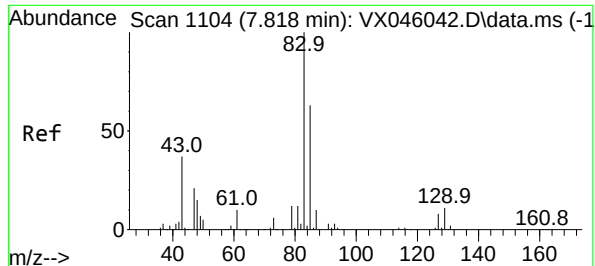
Ion Ratio Lower Upper

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 :

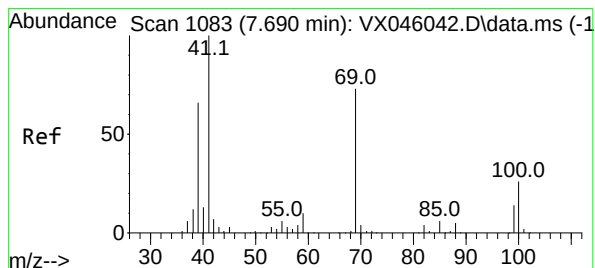
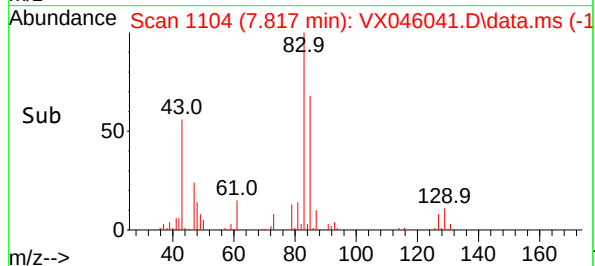
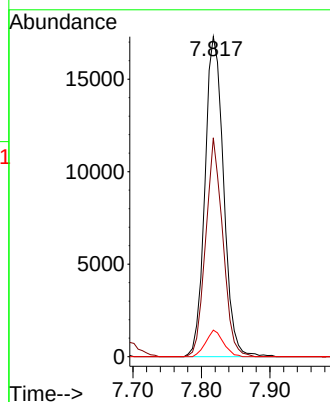
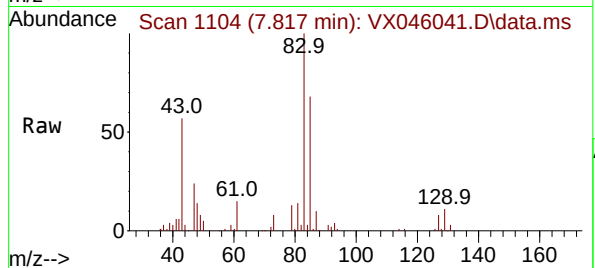
VSTDIC020

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

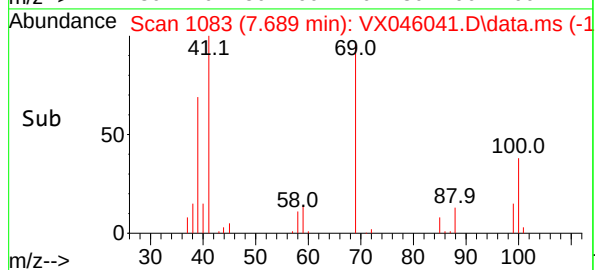
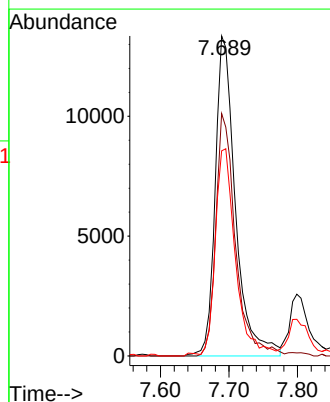
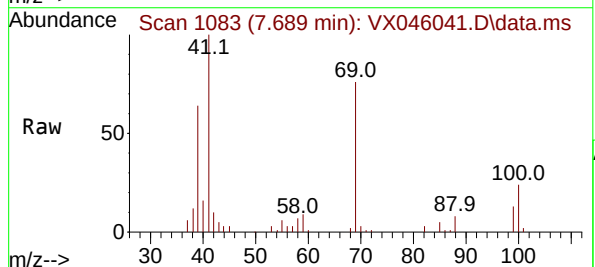
RT: 7.689 min Scan# 1083

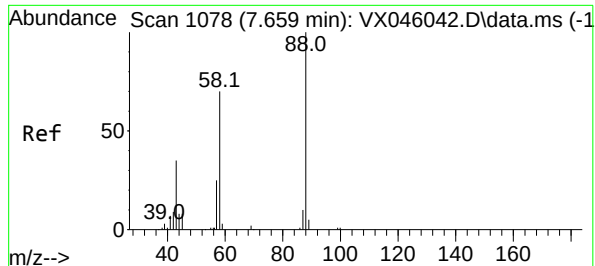
Delta R.T. -0.000 min

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

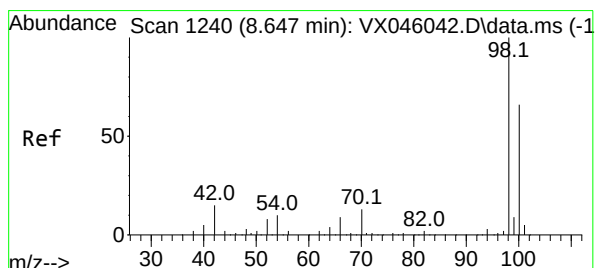
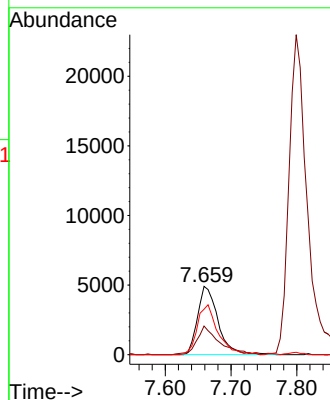
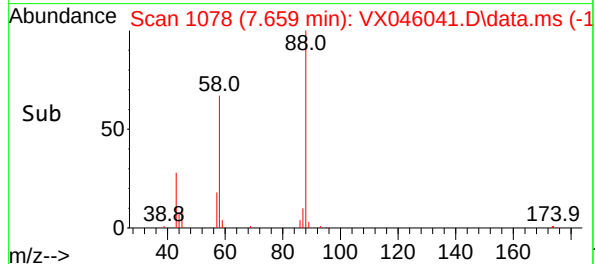
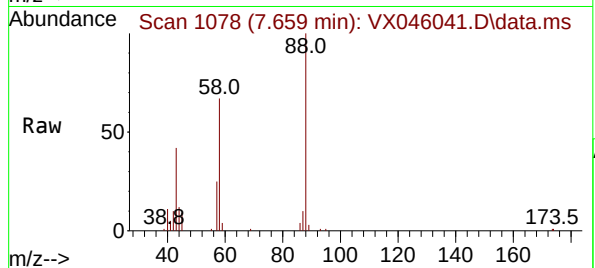
Tgt Ion:	88	Resp:	1058
Ion	Ratio	Lower	Upper
88	100		
43	45.5	33.4	50.2
58	73.6	58.6	88.0

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

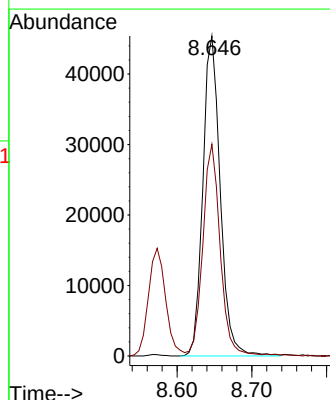
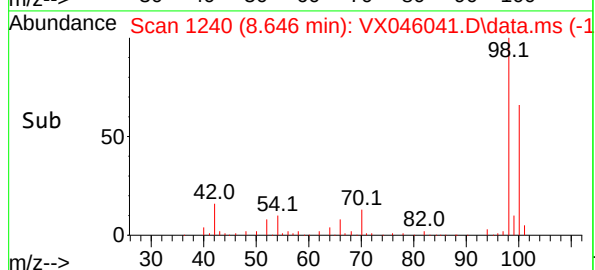
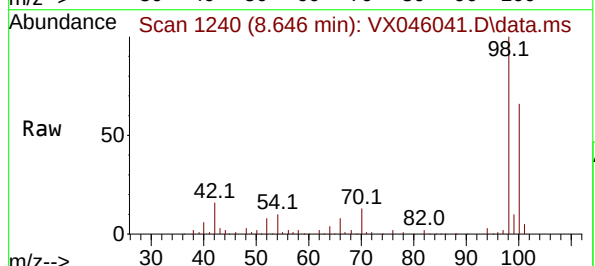
RT: 8.646 min Scan# 1240

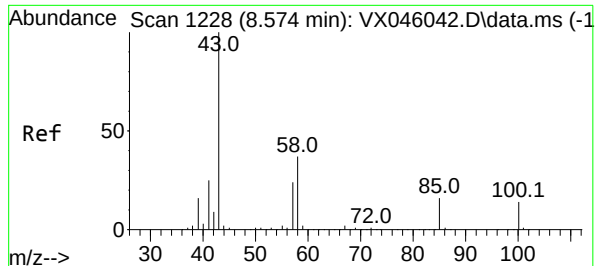
Delta R.T. -0.000 min

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





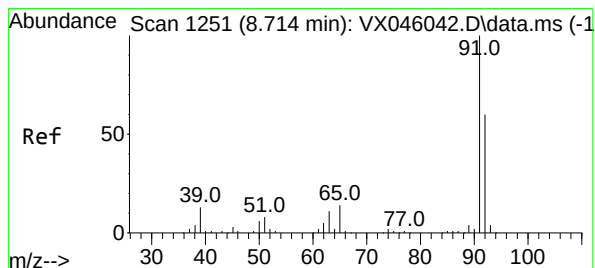
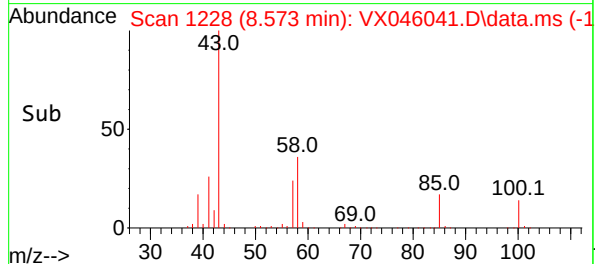
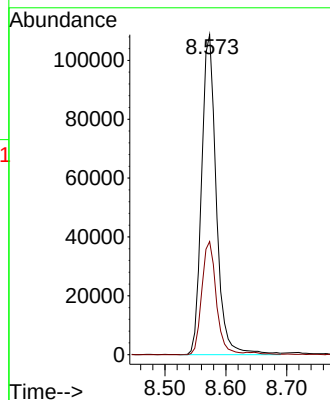
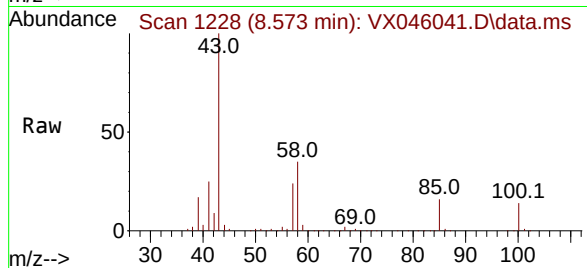
#51
4-Methyl-2-Pentanone
Concen: 75.775 ug/l
RT: 8.573 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

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

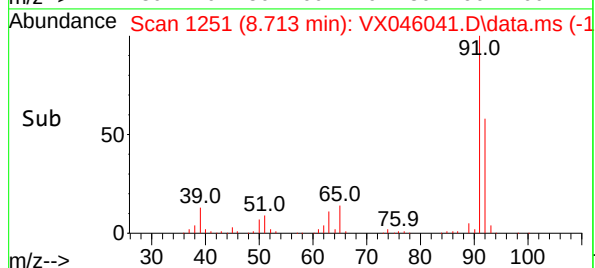
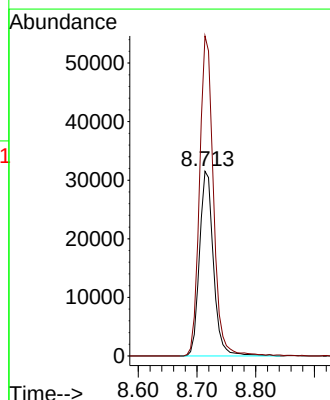
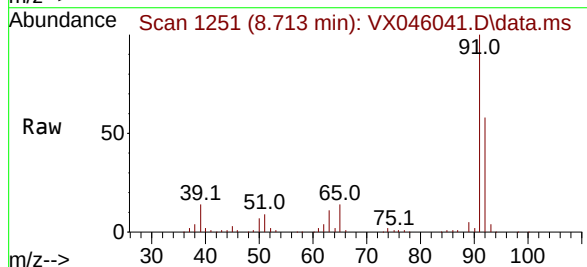
Manual Integrations
APPROVED

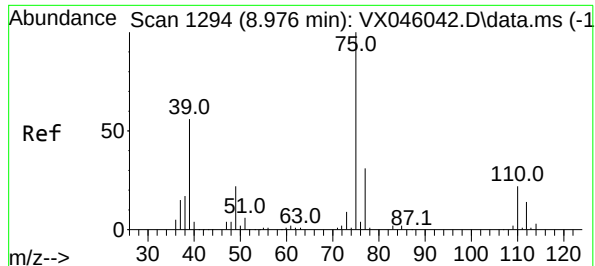
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

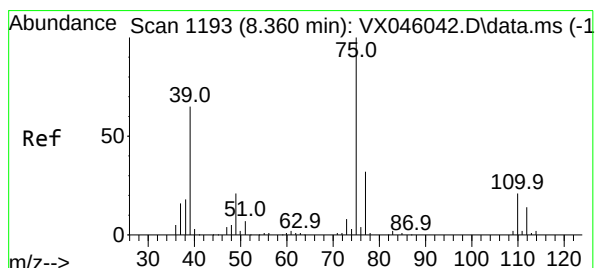
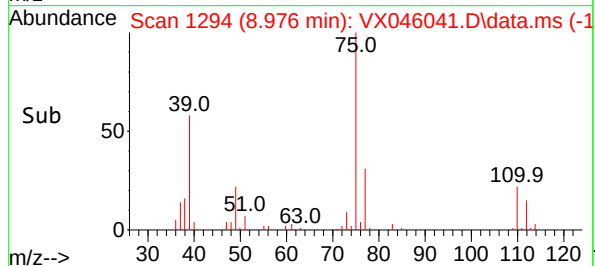
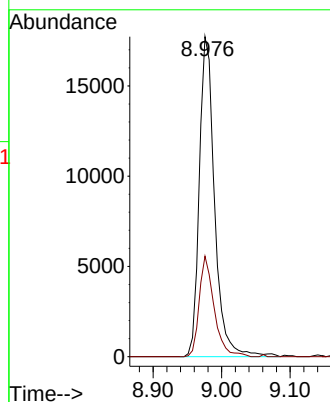
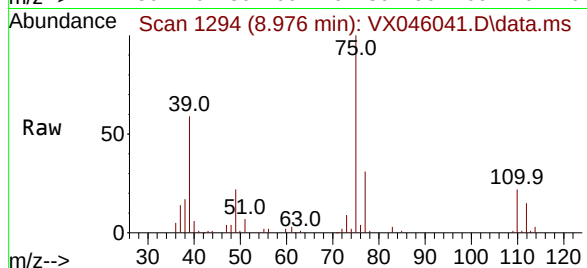
77 31.4 25.0 37.6

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

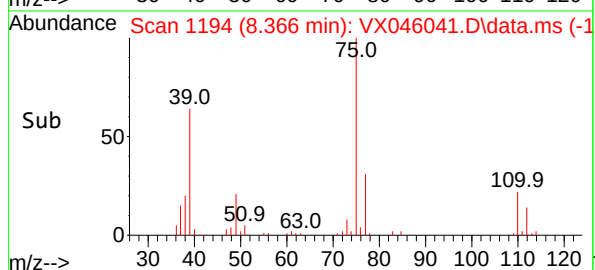
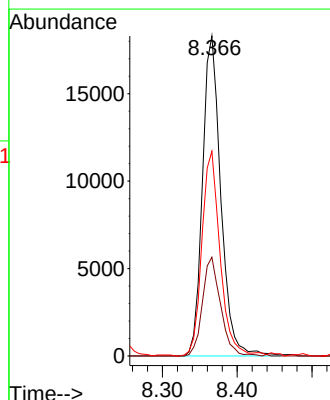
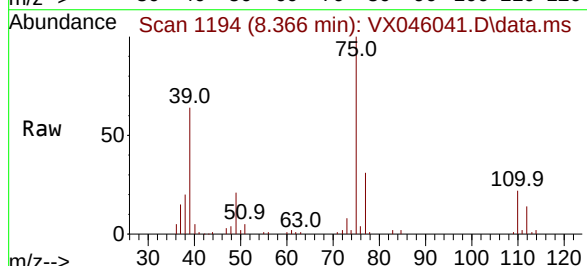
Tgt Ion: 75 Resp: 31226

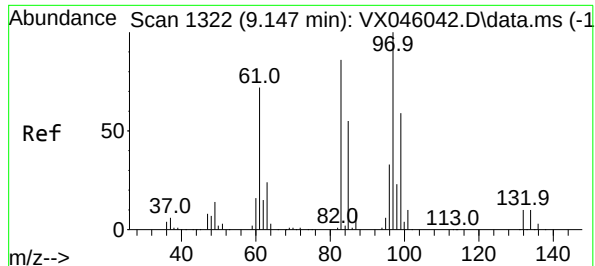
Ion Ratio Lower Upper

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

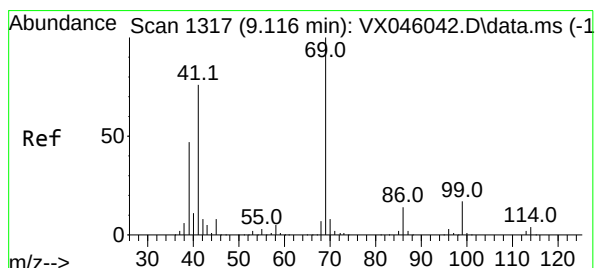
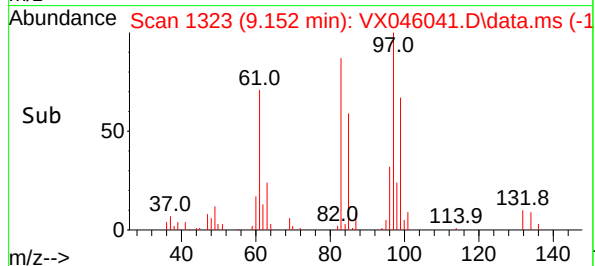
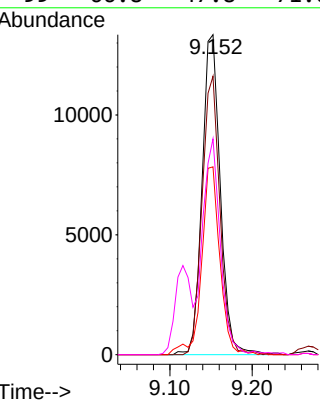
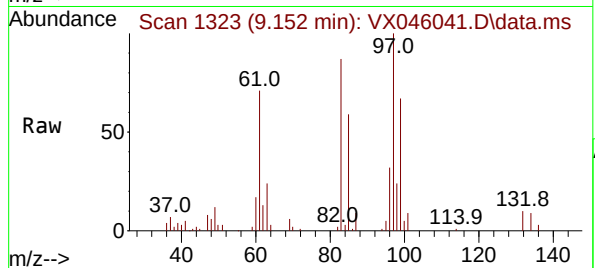
99 66.8 47.8 71.6

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

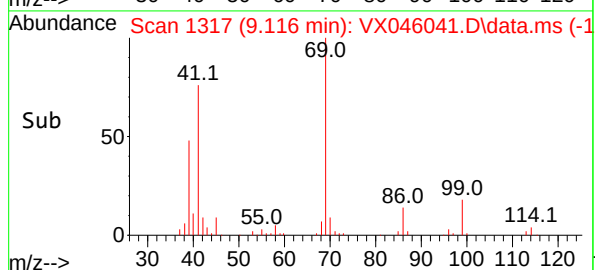
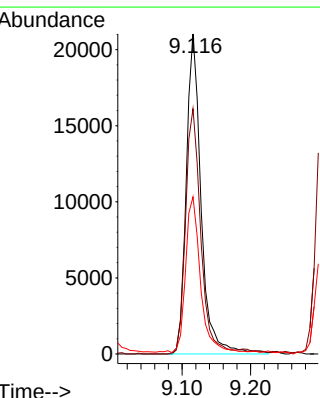
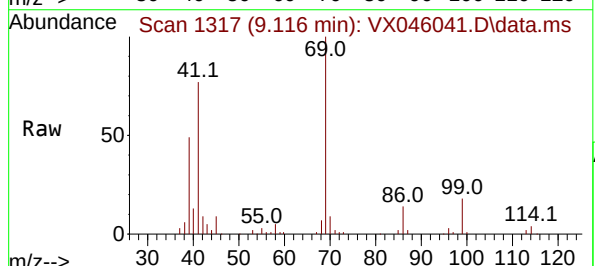
Tgt Ion: 69 Resp: 31787

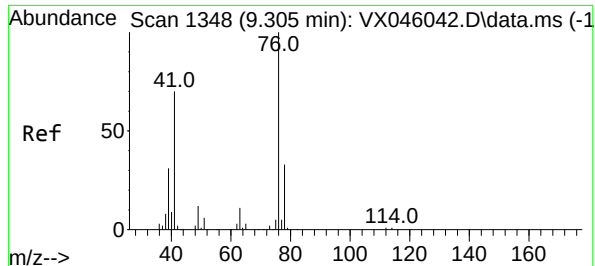
Ion Ratio Lower Upper

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# 11348

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

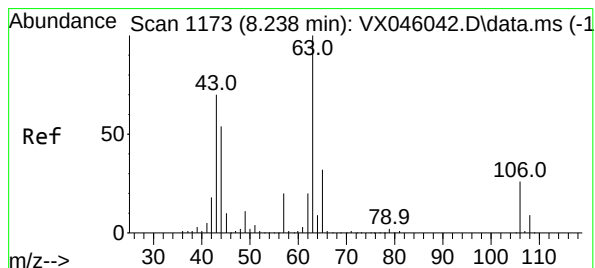
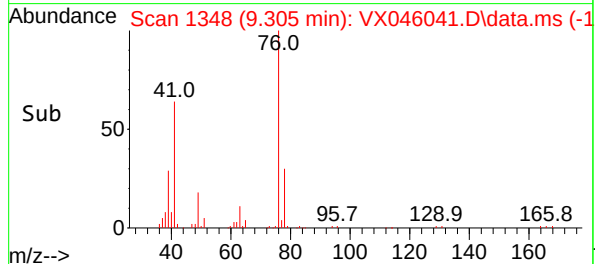
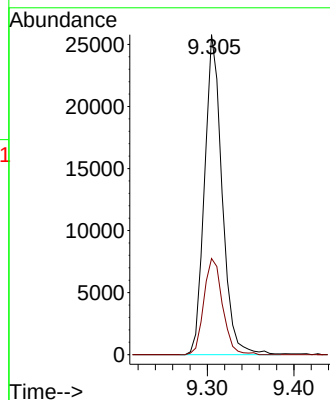
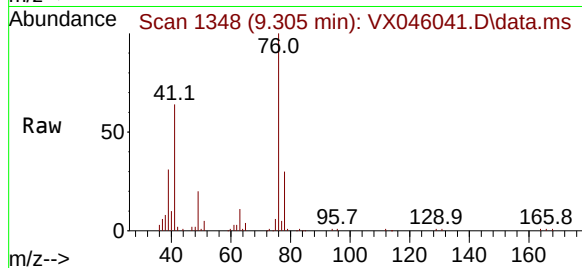
78 31.8 26.3 39.5

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

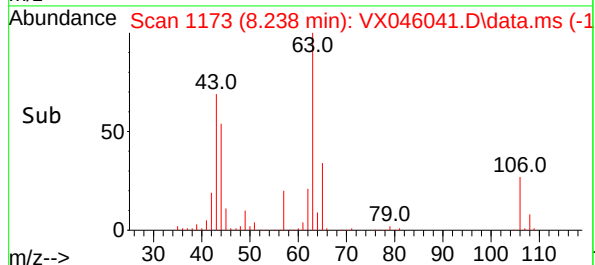
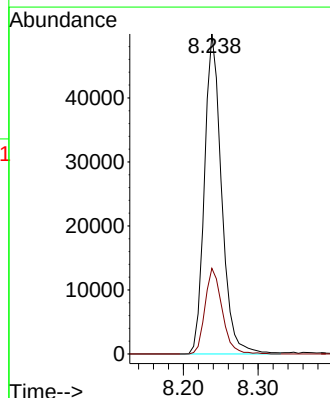
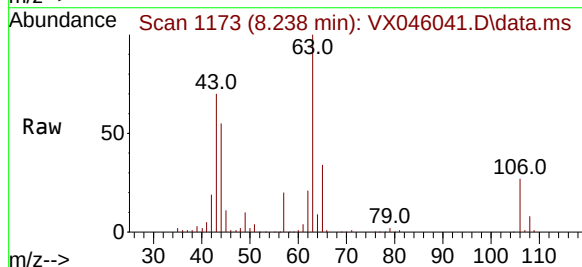
Acq: 05 May 2025 11:35

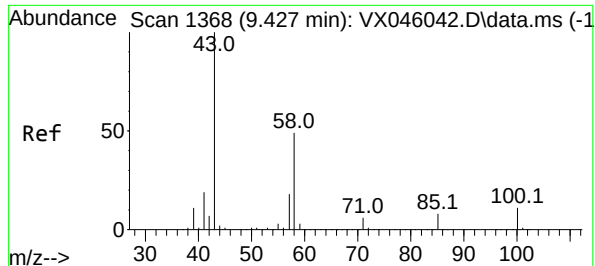
Tgt Ion: 63 Resp: 79531

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

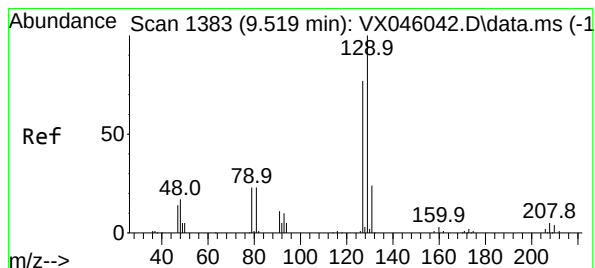
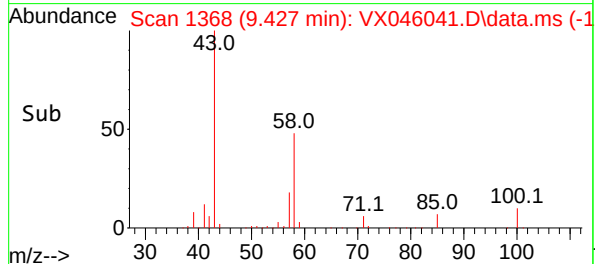
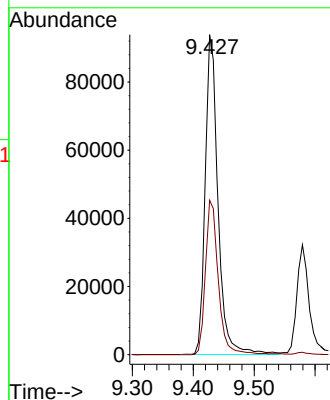
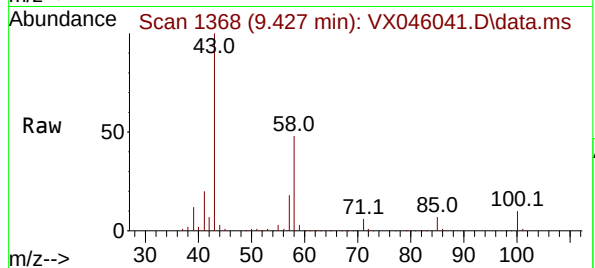
58 48.7 24.9 74.6

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

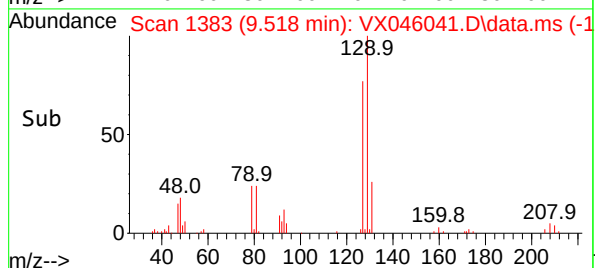
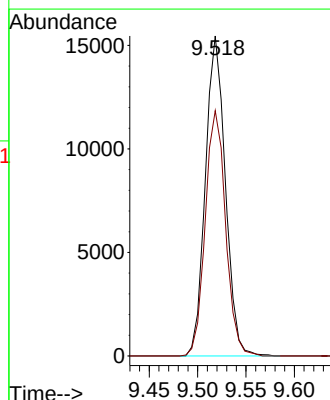
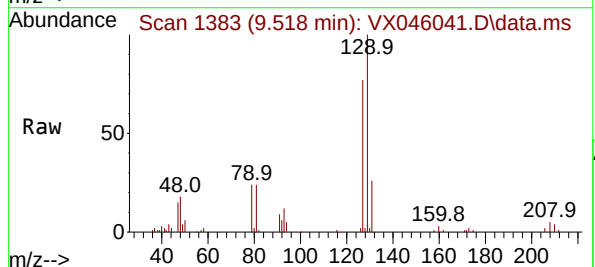
Acq: 05 May 2025 11:35

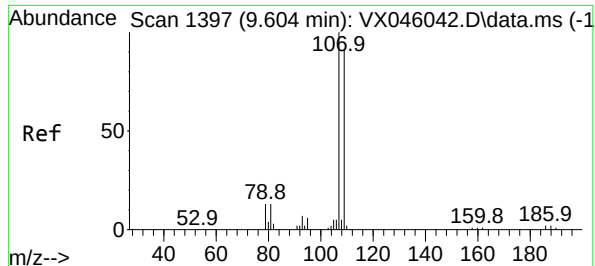
Tgt Ion:129 Resp: 22267

Ion Ratio Lower Upper

129 100

127 78.0 39.3 117.8





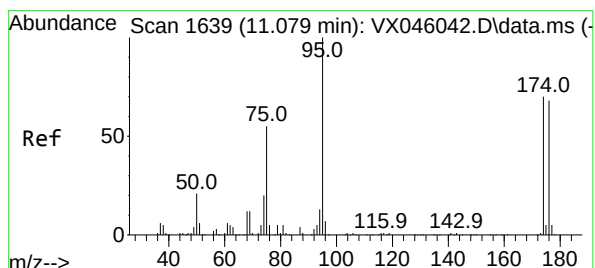
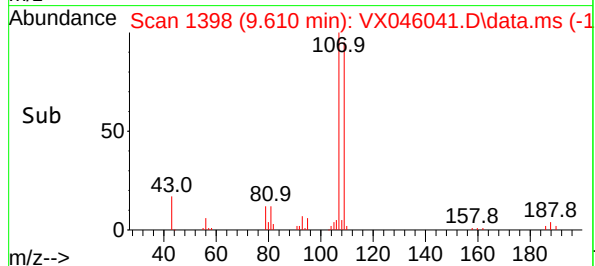
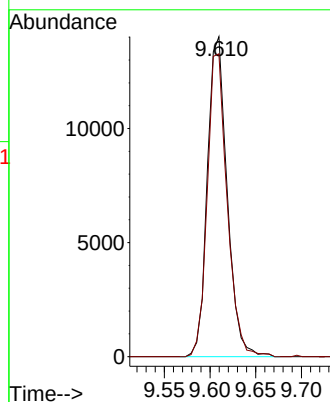
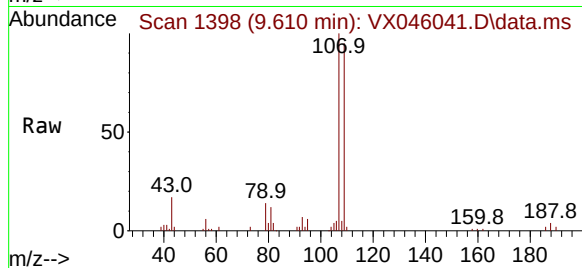
#61
1,2-Dibromoethane
Concen: 14.458 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

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

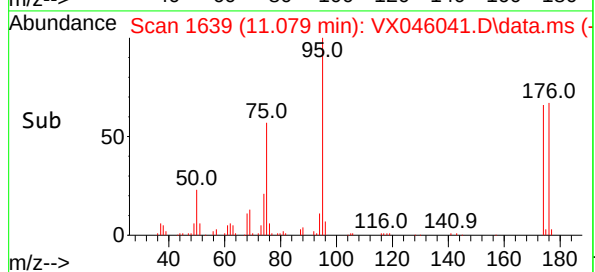
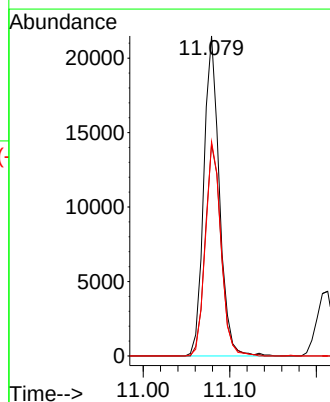
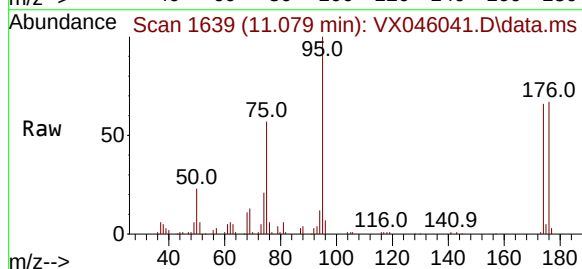
Manual Integrations
APPROVED

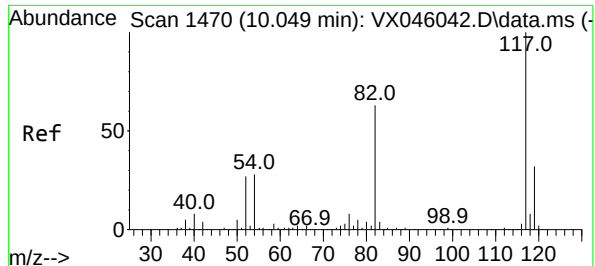
Reviewed By :John Carbone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

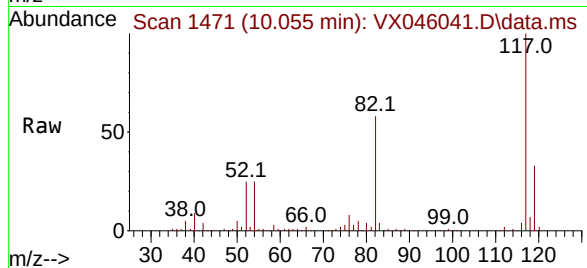
Tgt Ion: 95 Resp: 26760
Ion Ratio Lower Upper
95 100
174 67.4 0.0 135.8
176 67.0 0.0 131.4





#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

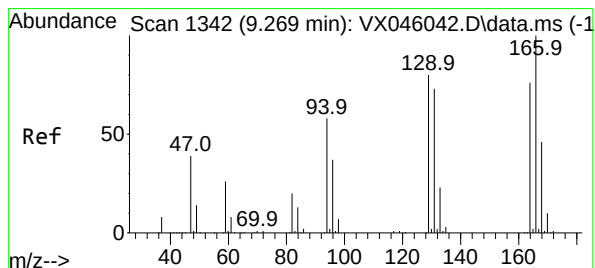
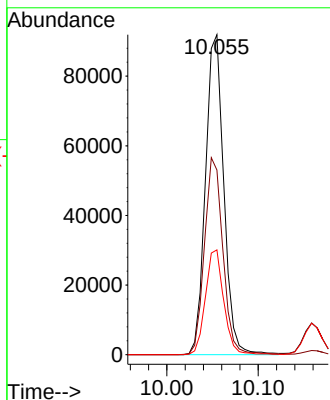
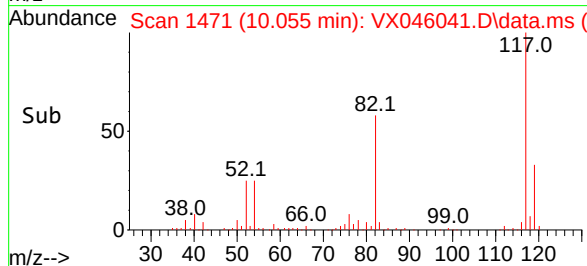
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020



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

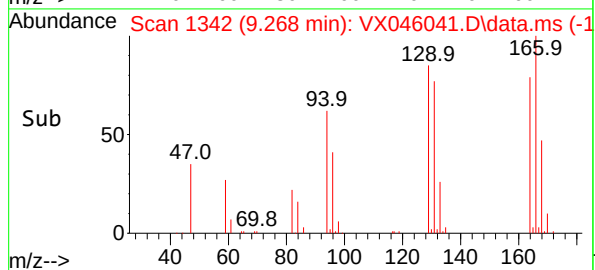
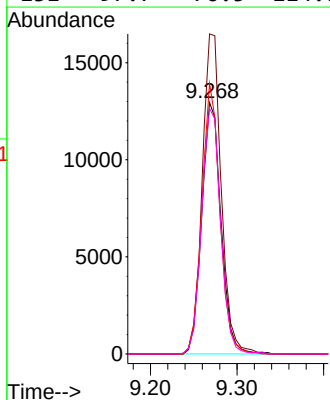
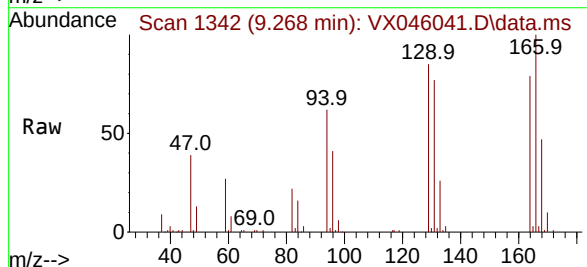
Manual Integrations
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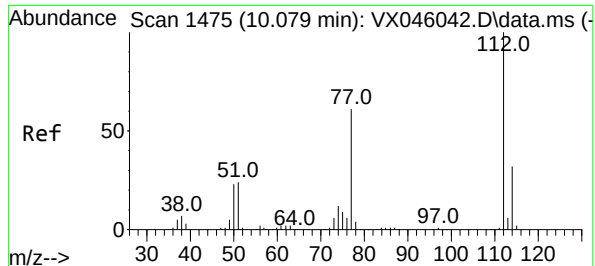
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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





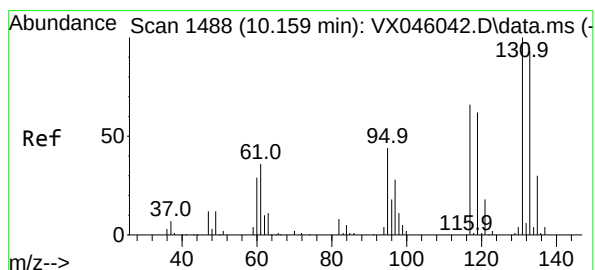
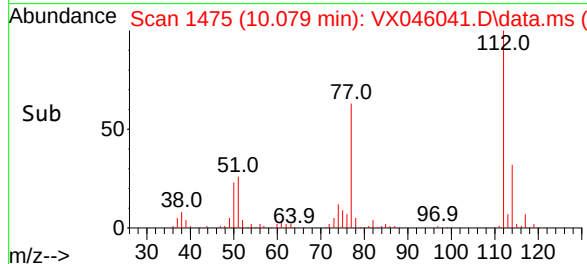
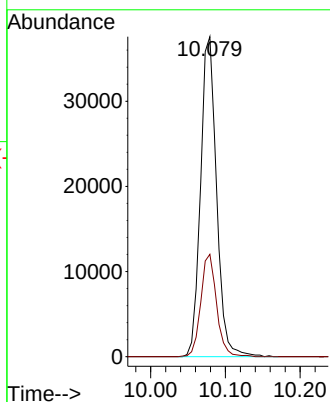
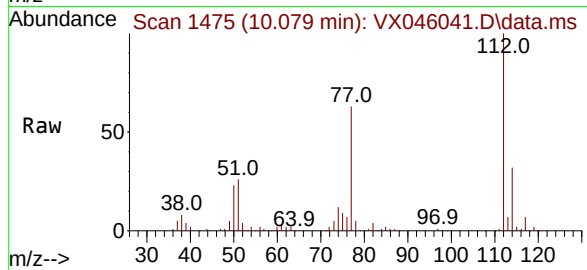
#65
Chlorobenzene
Concen: 14.202 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

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

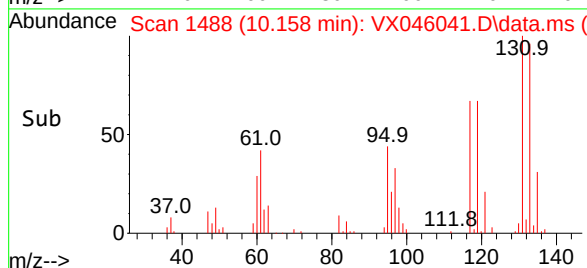
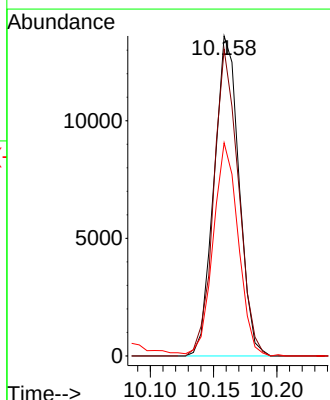
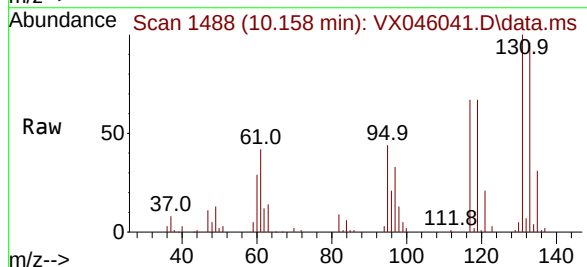
Manual Integrations
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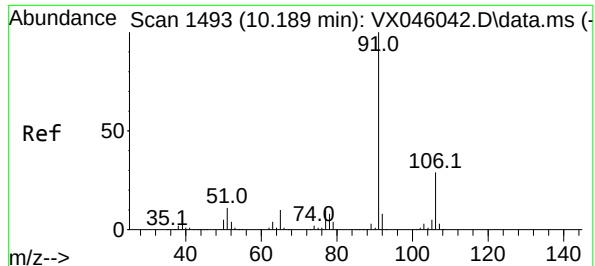
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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





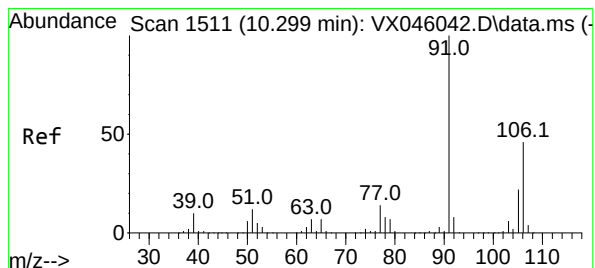
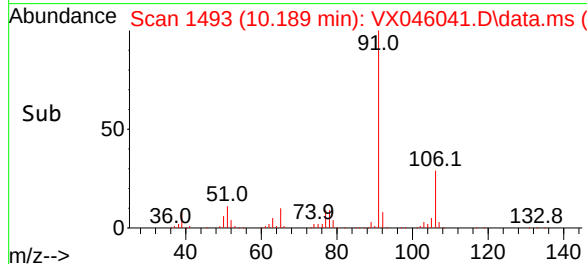
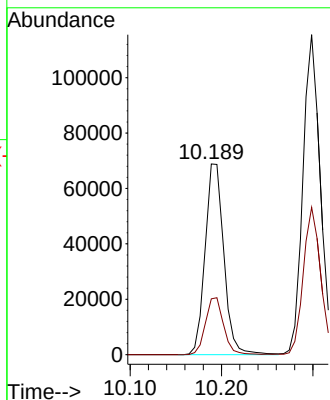
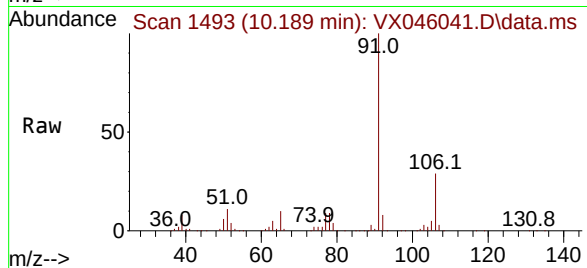
#67
Ethyl Benzene
Concen: 14.631 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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

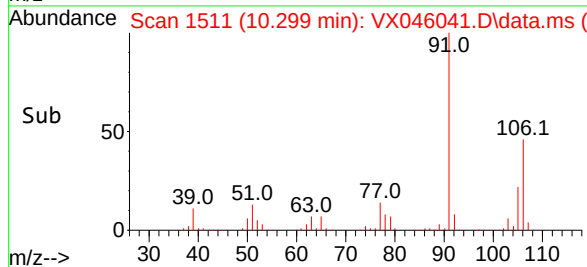
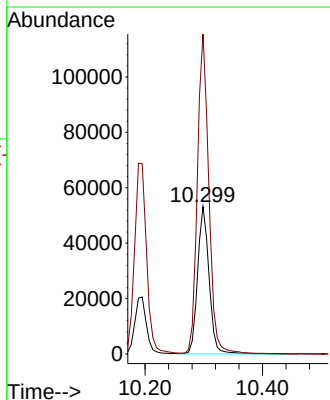
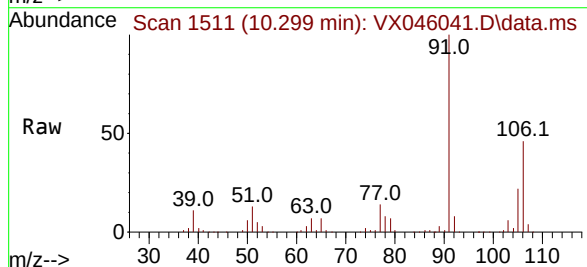
Manual Integrations
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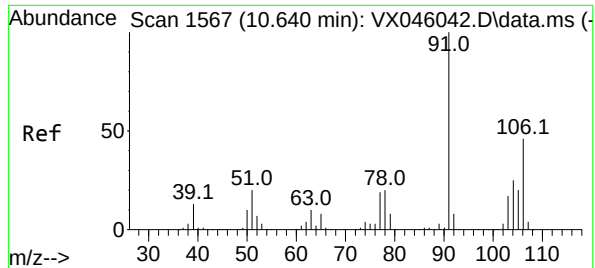
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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





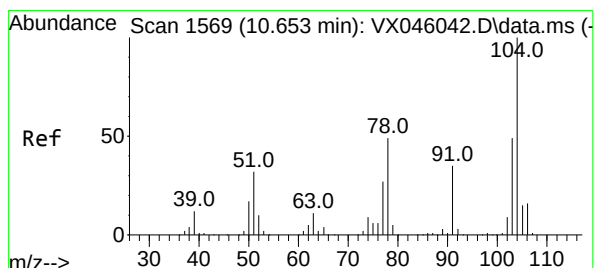
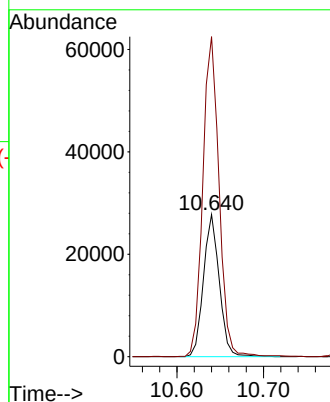
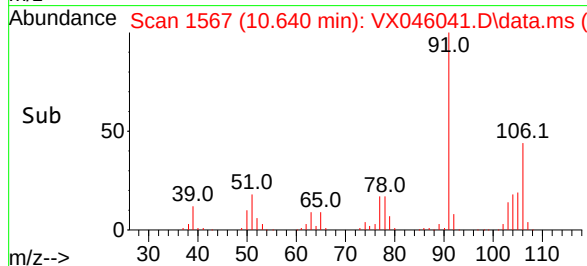
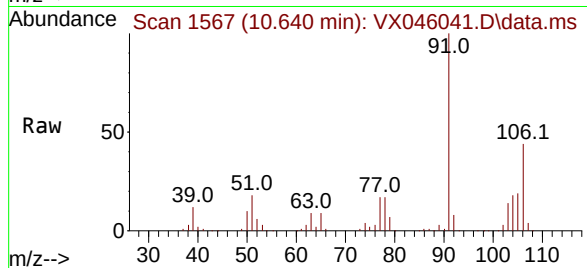
#69
o-Xylene
Concen: 14.408 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 35178
Ion Ratio Lower Upper
106 100
91 231.7 112.7 338.1

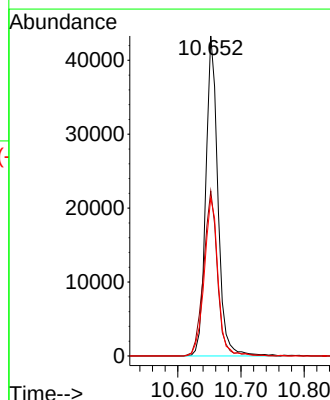
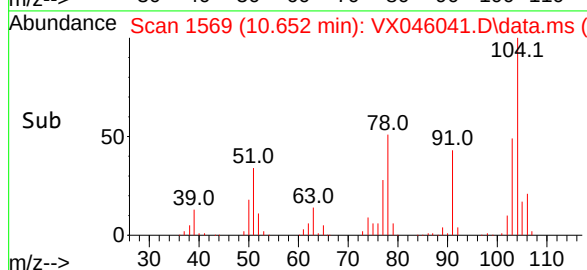
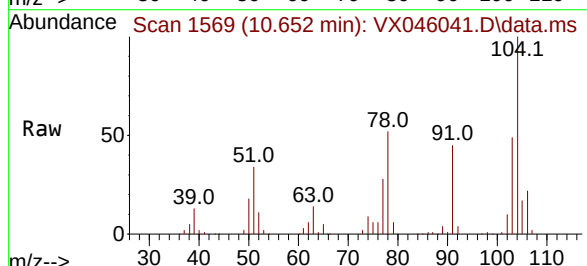
Manual Integrations
APPROVED

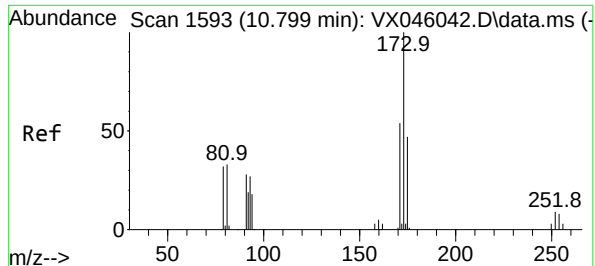
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

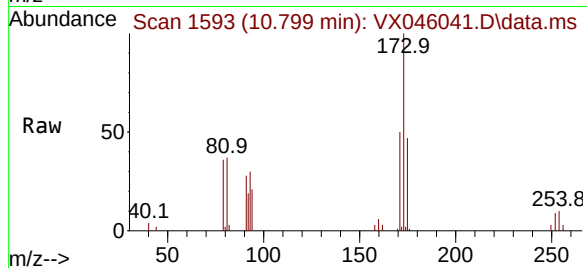
Tgt Ion:104 Resp: 58034
Ion Ratio Lower Upper
104 100
78 58.7 45.7 68.5
103 55.6 43.7 65.5





#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

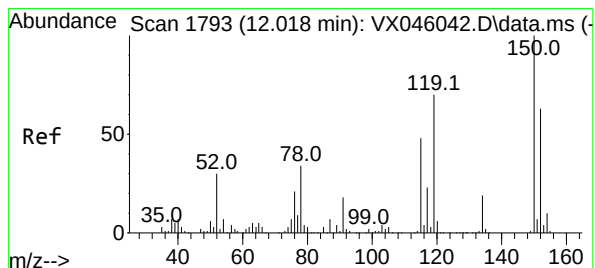
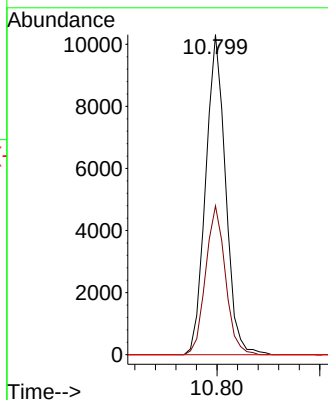
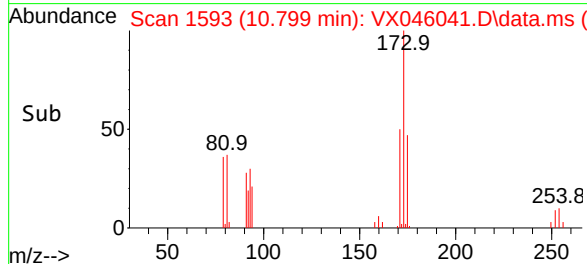
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



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

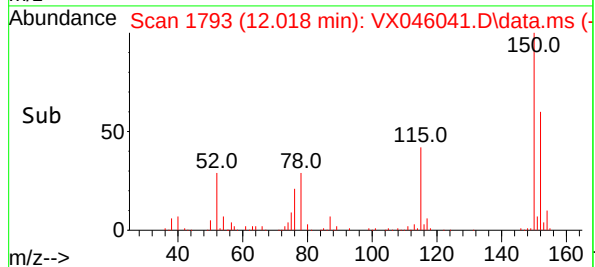
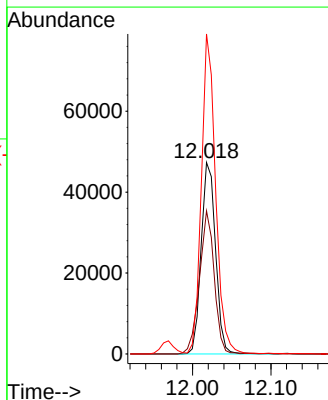
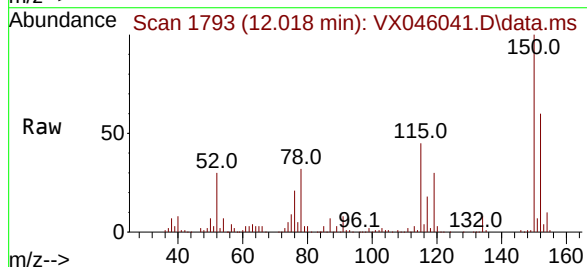
Manual Integrations
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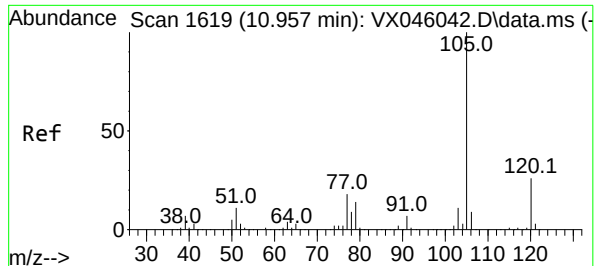
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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





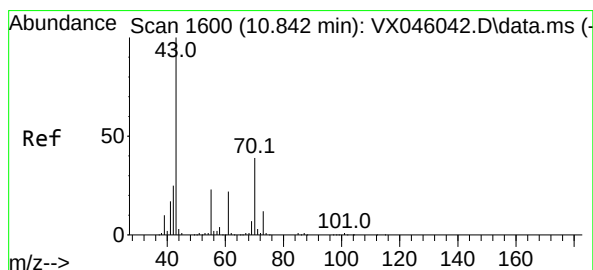
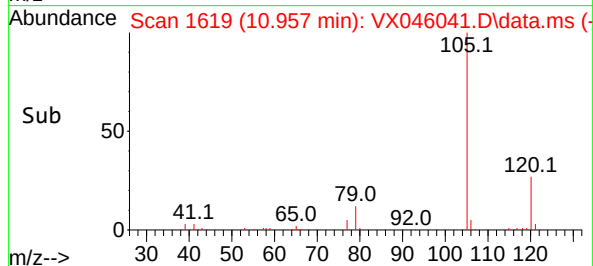
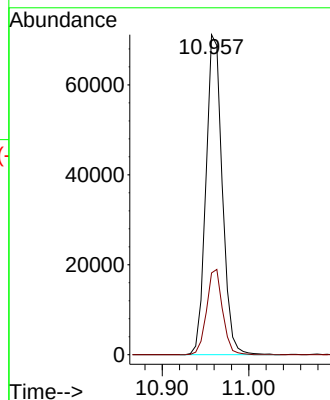
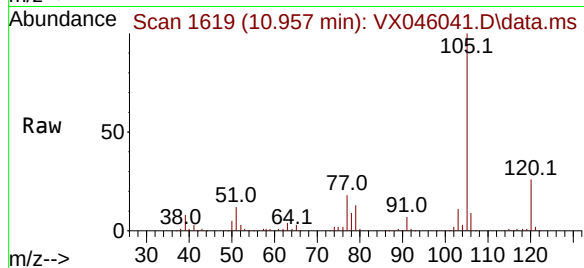
#73
Isopropylbenzene
Concen: 14.096 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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

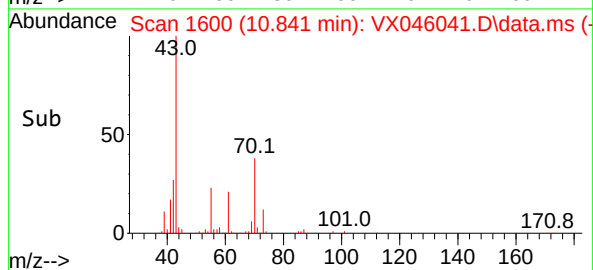
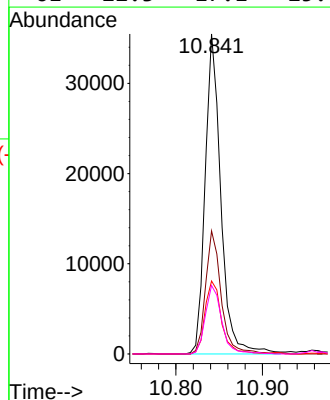
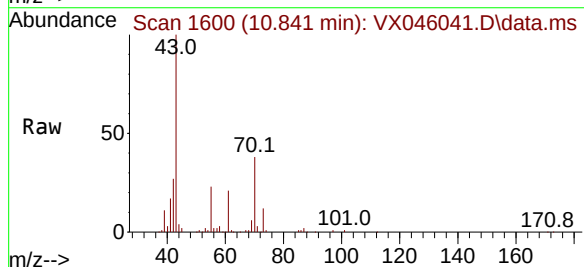
Manual Integrations
APPROVED

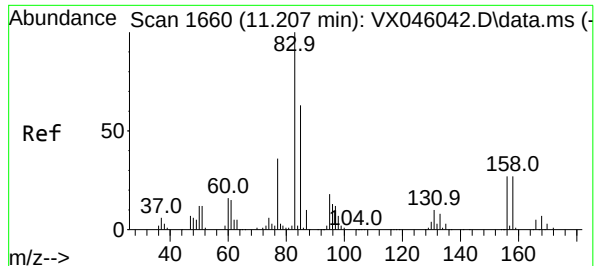
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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





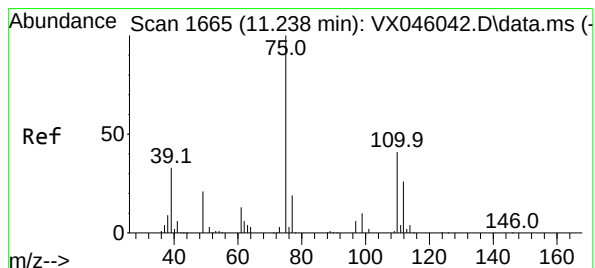
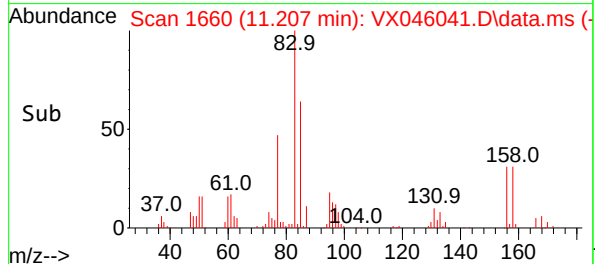
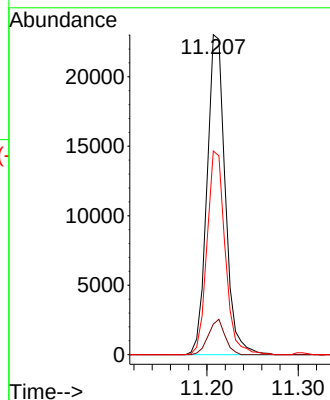
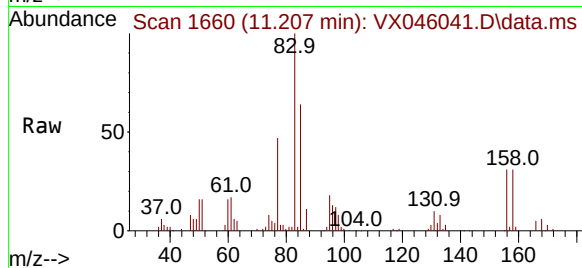
#75
1,1,2,2-Tetrachloroethane
Concen: 13.560 ug/l
RT: 11.207 min Scan# 1660
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

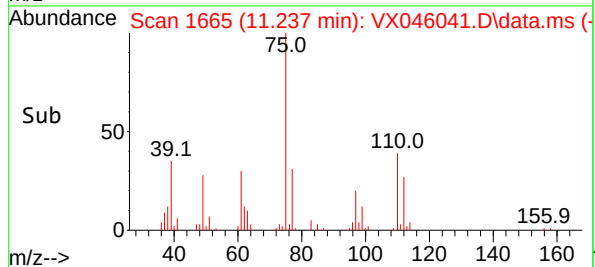
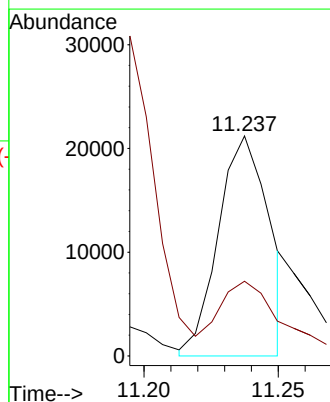
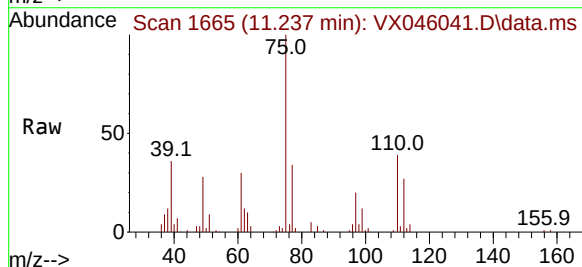
Manual Integrations
APPROVED

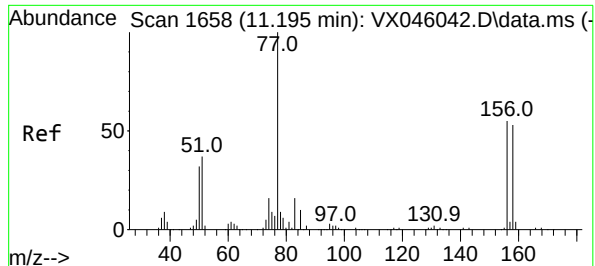
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

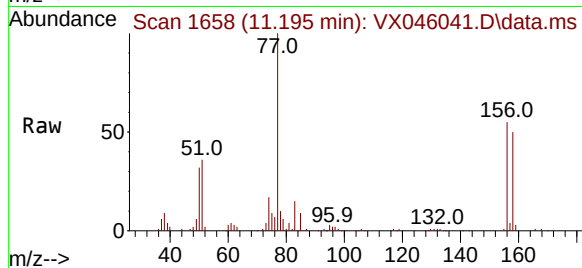
Tgt Ion: 75 Resp: 27845
Ion Ratio Lower Upper
75 100
77 43.0 20.5 61.5





#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

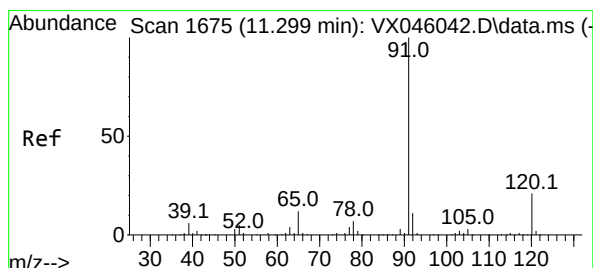
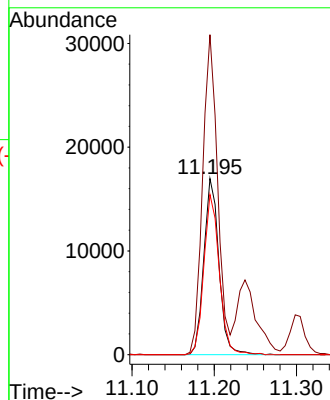
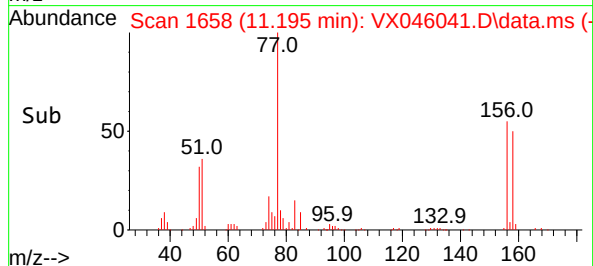
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



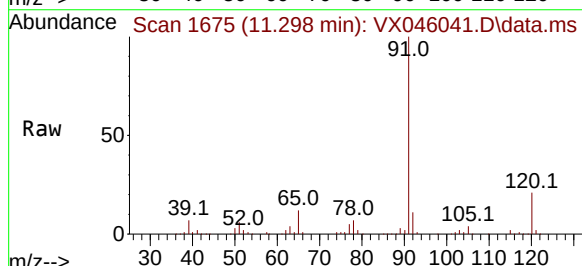
Tgt Ion:156 Resp: 2169
Ion Ratio Lower Upper
156 100
77 179.9 92.8 278.3
158 93.1 48.8 146.3

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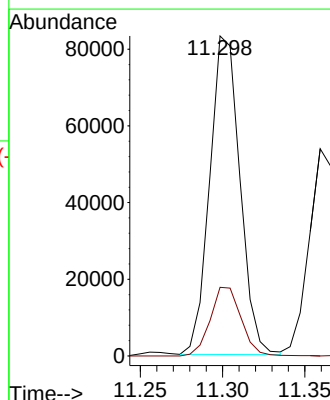
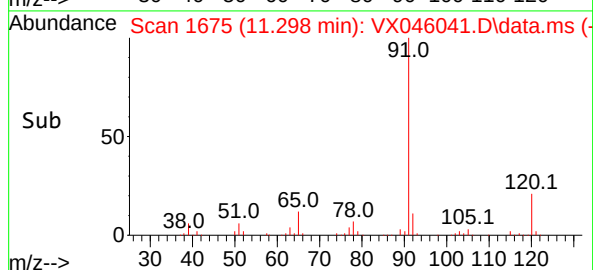
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

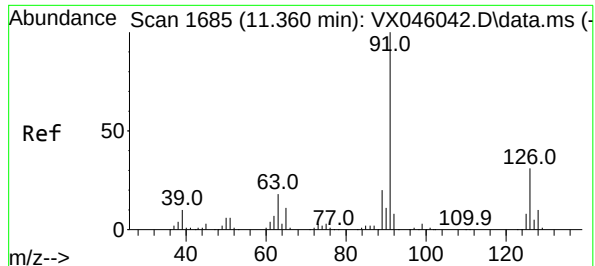


#78
n-propylbenzene
Concen: 14.376 ug/l
RT: 11.298 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35



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





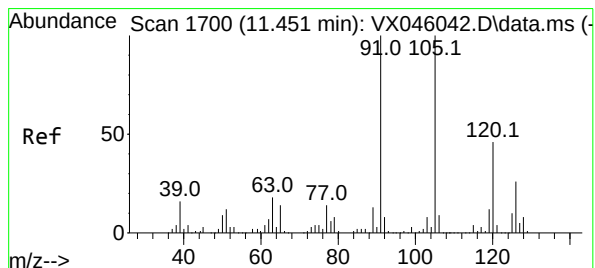
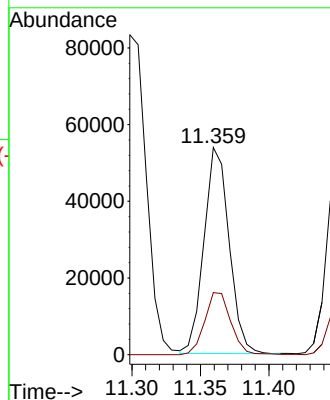
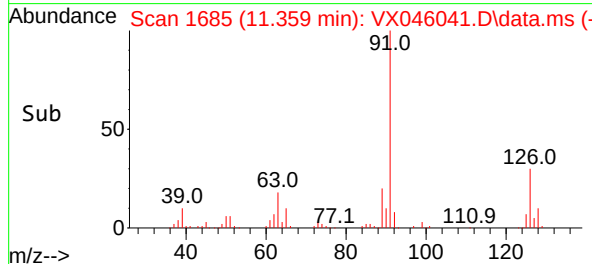
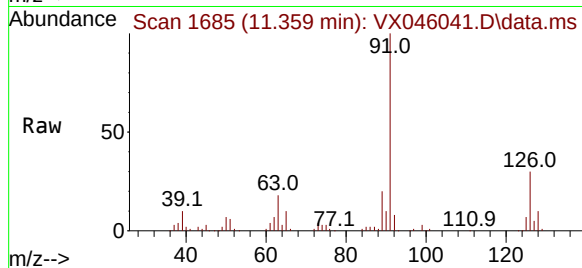
#79
2-Chlorotoluene
Concen: 13.748 ug/l
RT: 11.359 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 68534
Ion Ratio Lower Upper
91 100
126 31.4 15.6 46.7

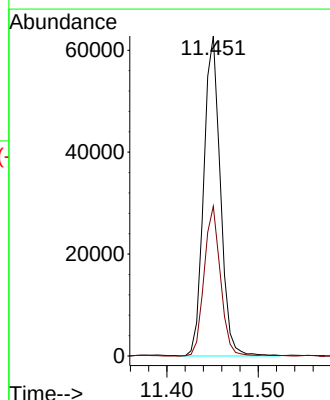
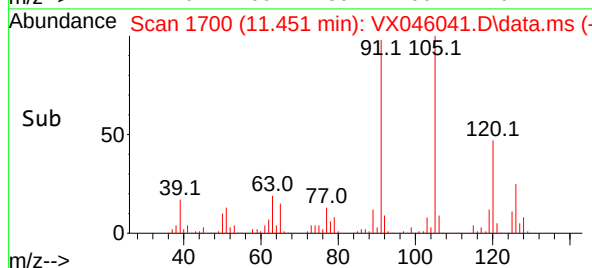
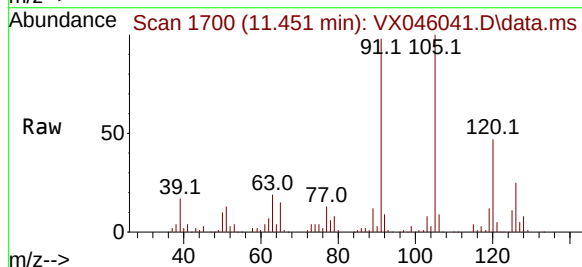
Manual Integrations
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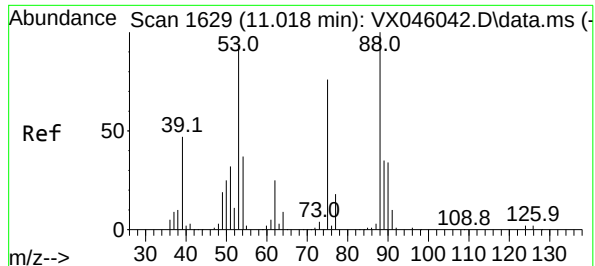
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

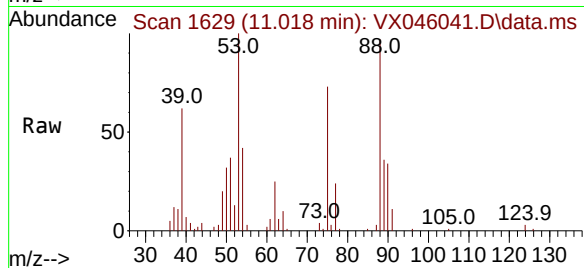
Tgt Ion:105 Resp: 79261
Ion Ratio Lower Upper
105 100
120 45.9 23.1 69.2





#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

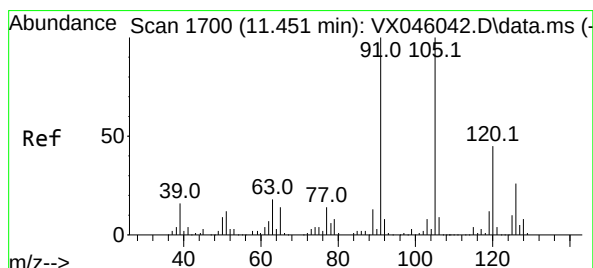
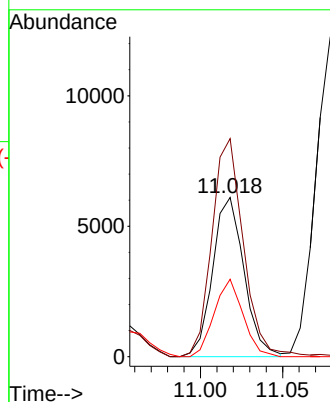
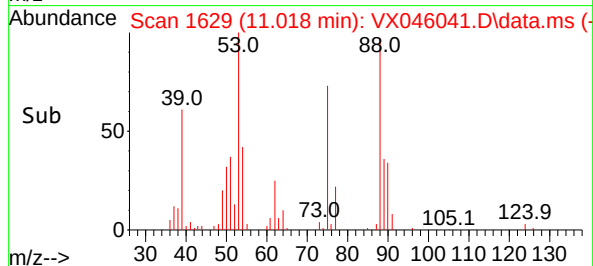
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



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

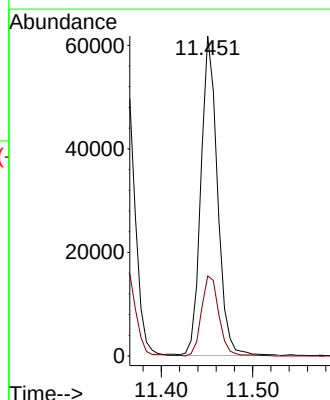
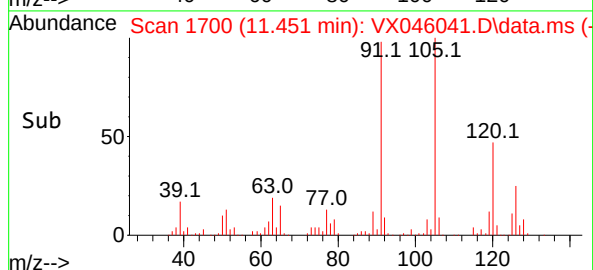
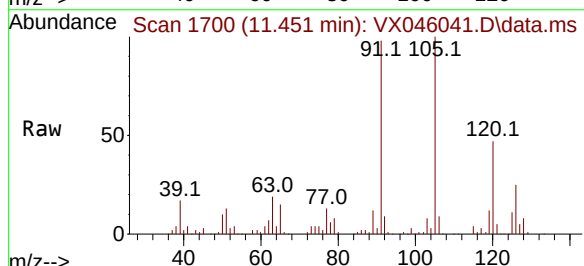
Manual Integrations
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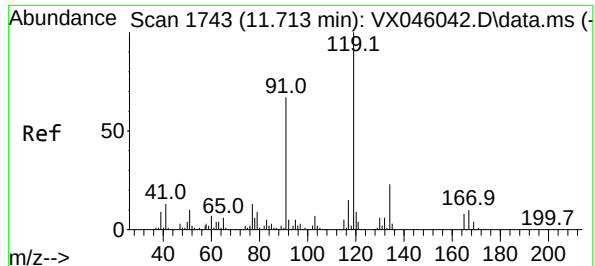
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

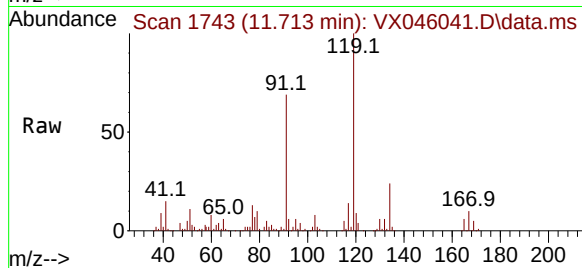
Tgt Ion: 91 Resp: 77338
Ion Ratio Lower Upper
91 100
126 26.5 13.3 39.8





#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

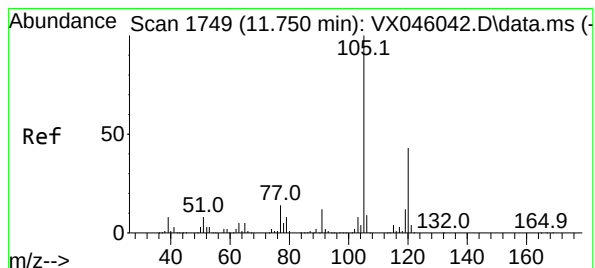
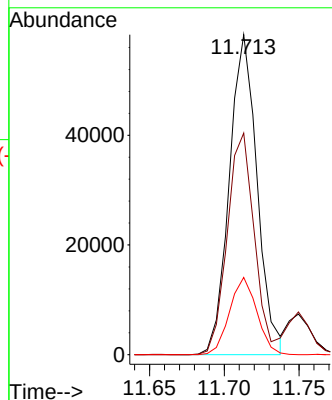
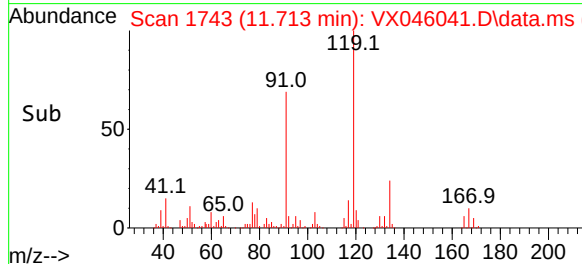
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



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

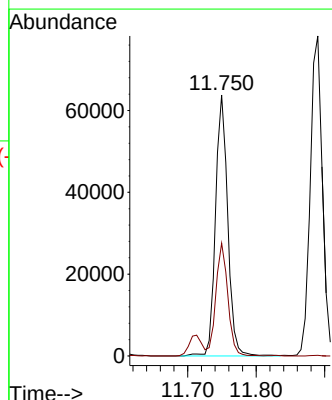
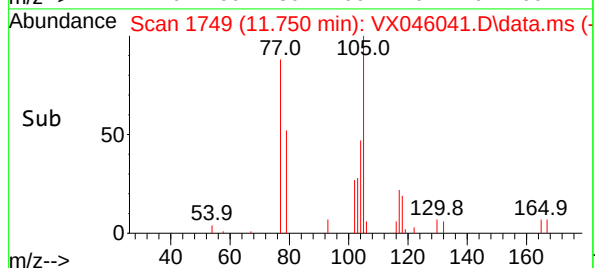
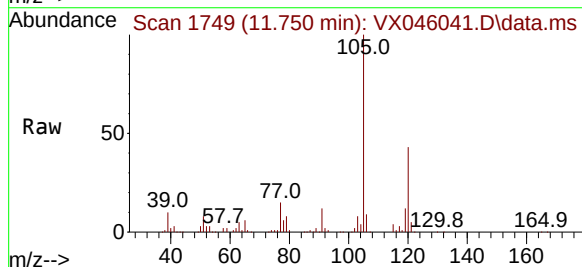
Manual Integrations
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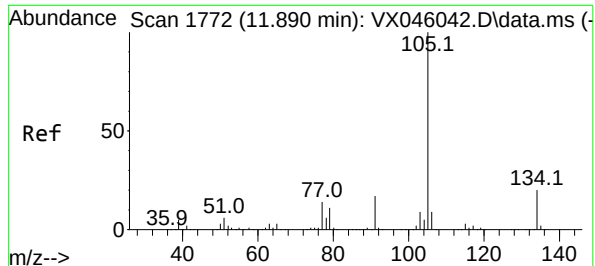
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

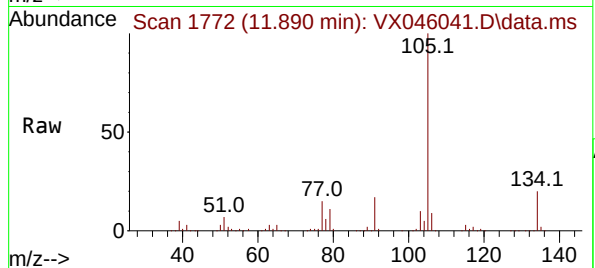
Tgt Ion:105 Resp: 79232
Ion Ratio Lower Upper
105 100
120 42.0 21.2 63.6





#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

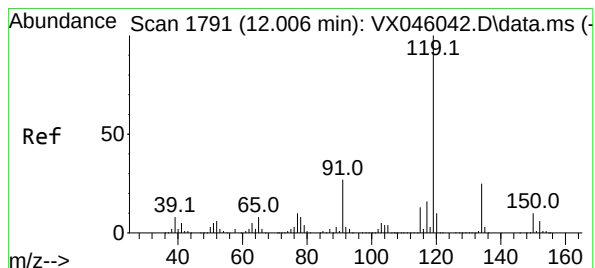
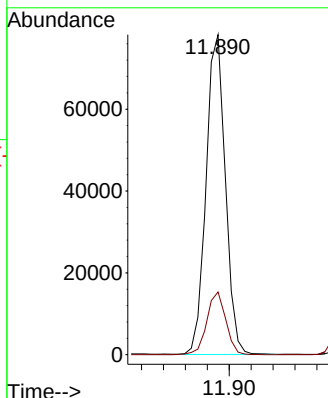
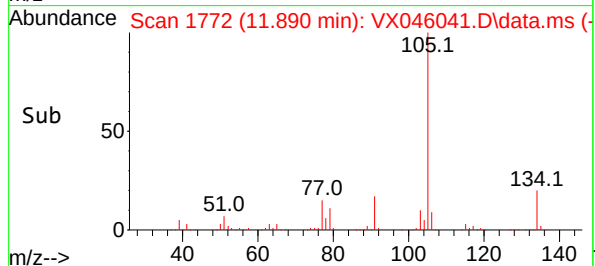
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



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

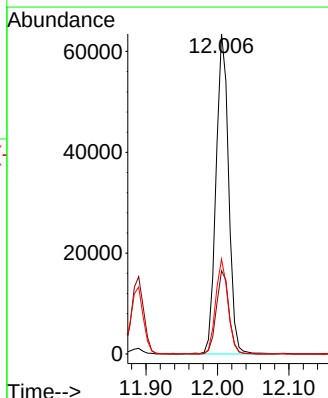
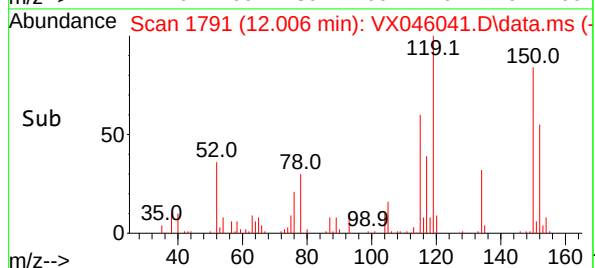
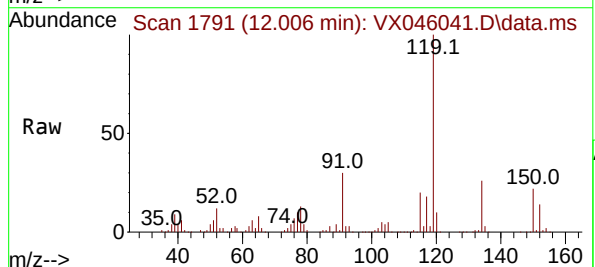
Manual Integrations
APPROVED

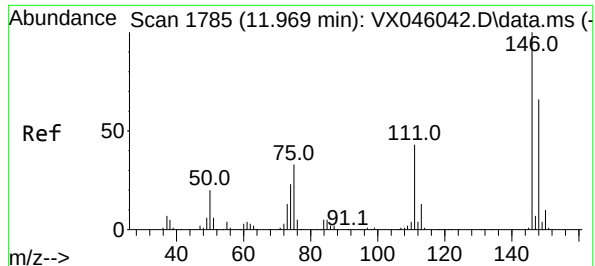
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#86
p-Isopropyltoluene
Concen: 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

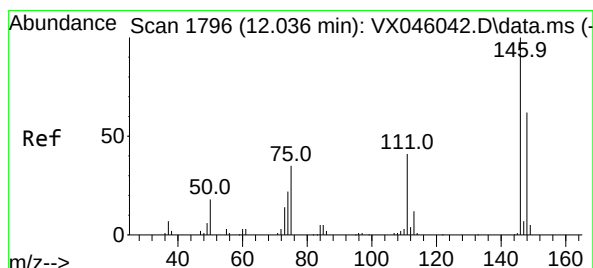
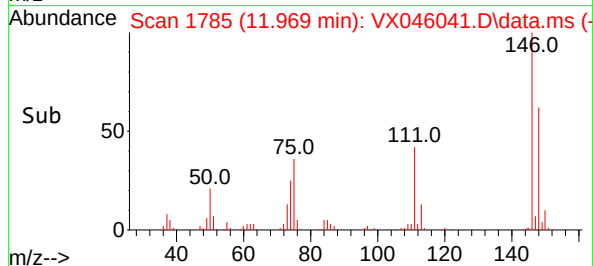
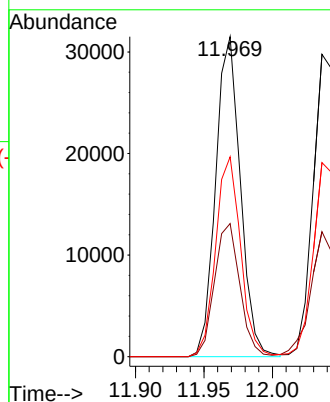
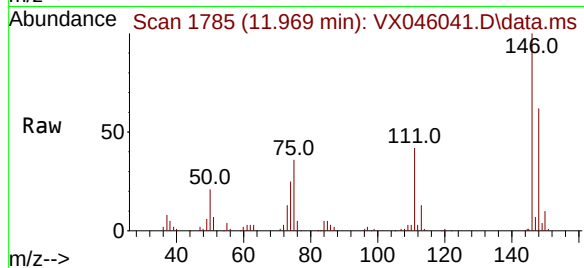
Tgt Ion:146	Resp:	39520
Ion Ratio	Lower	Upper
146	100	
111	42.7	22.1 66.3
148	62.9	32.1 96.5

Manual Integrations

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Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#88

1,4-Dichlorobenzene

Concen: 14.146 ug/l

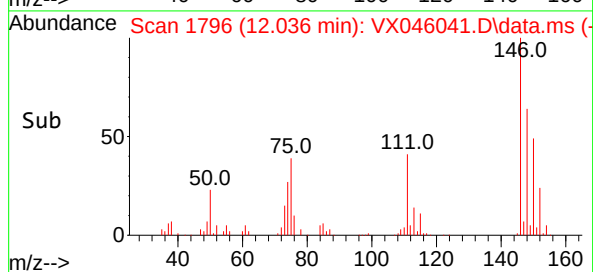
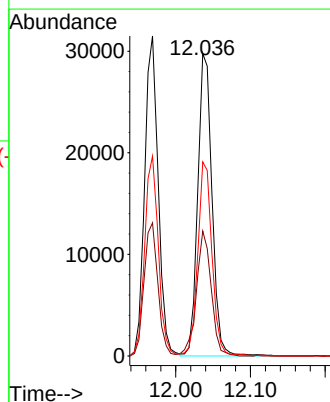
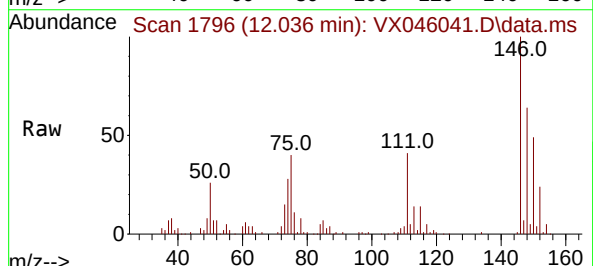
RT: 12.036 min Scan# 1796

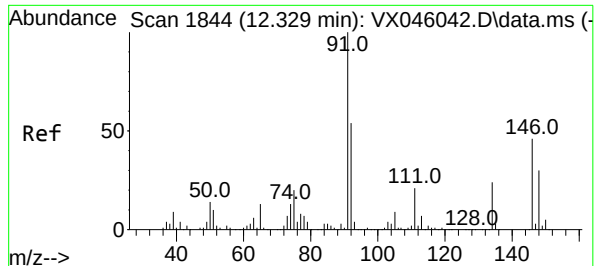
Delta R.T. -0.000 min

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

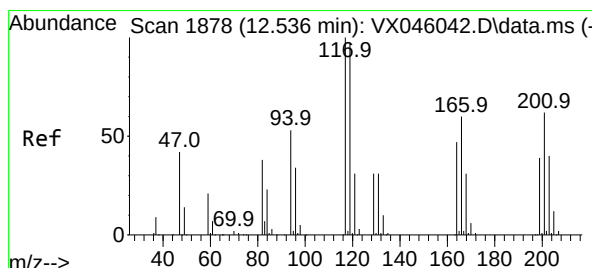
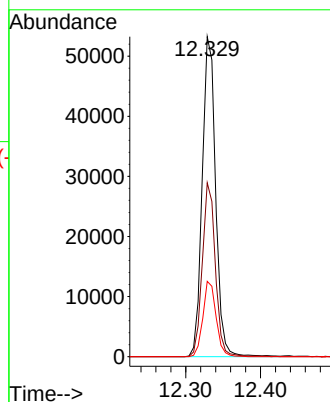
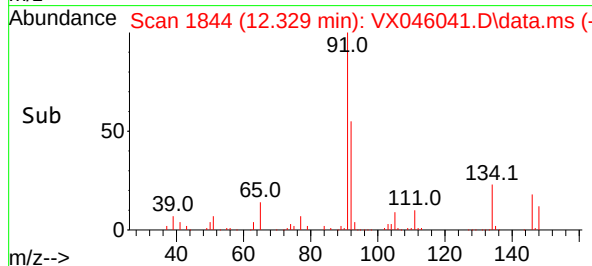
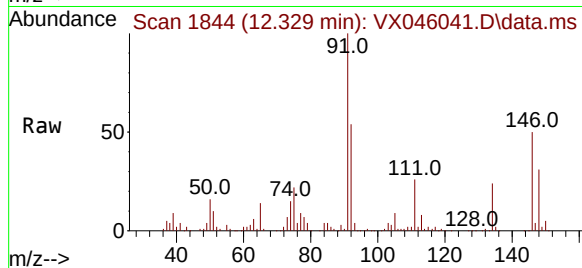
134 23.1 11.8 35.3

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

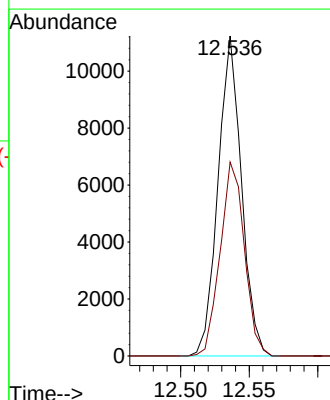
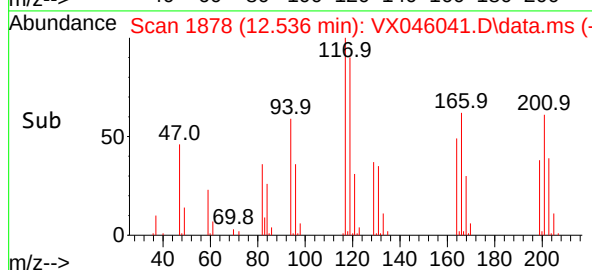
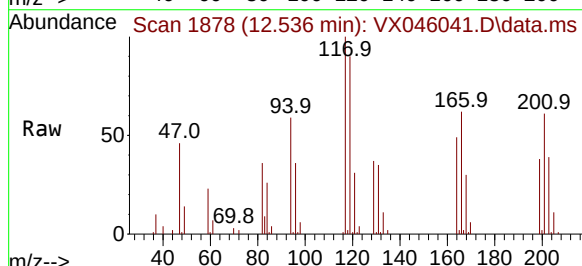
Acq: 05 May 2025 11:35

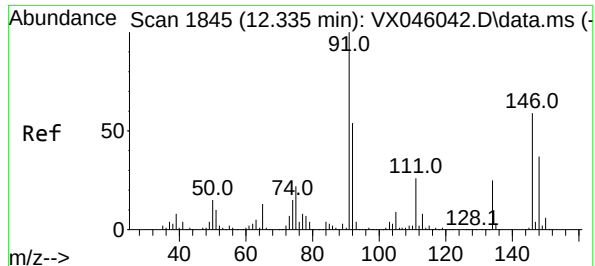
Tgt Ion:117 Resp: 13332

Ion Ratio Lower Upper

117 100

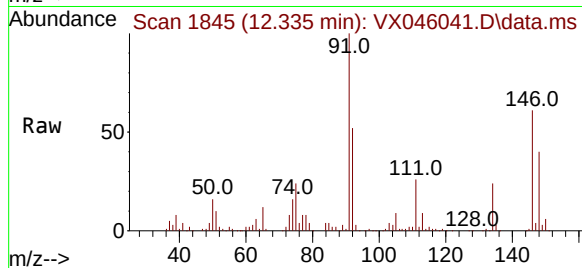
201 62.9 31.6 94.7





#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

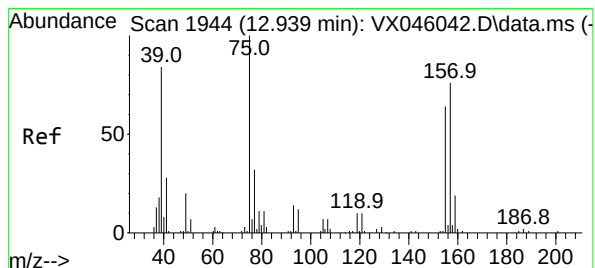
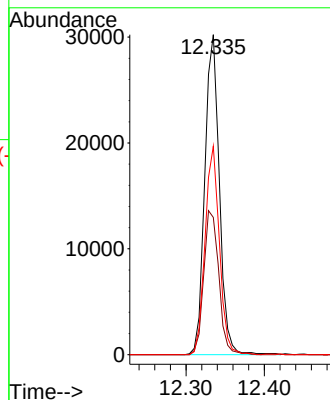
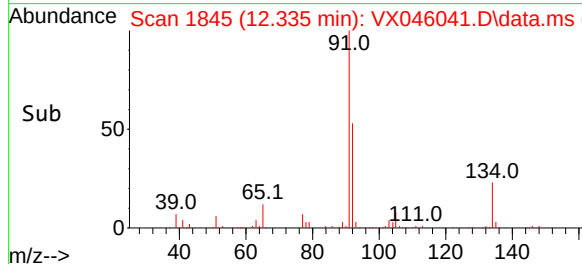
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



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

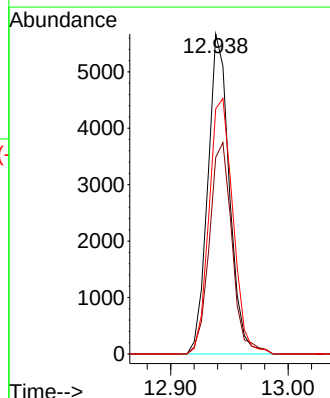
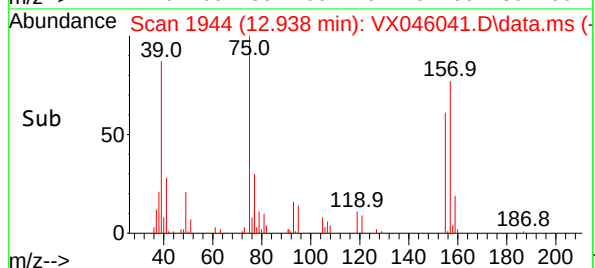
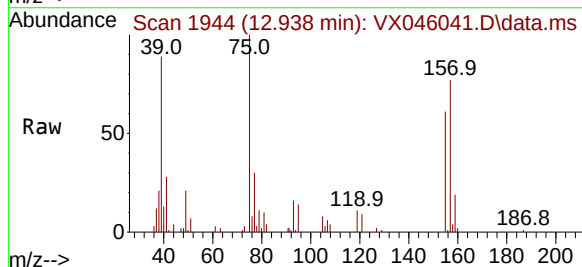
Manual Integrations
APPROVED

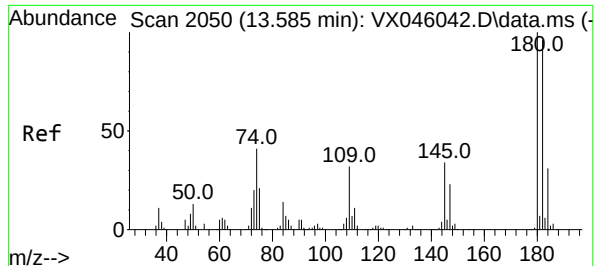
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

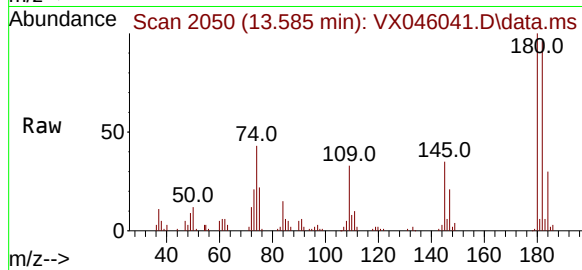
Tgt Ion: 75 Resp: 7232
Ion Ratio Lower Upper
75 100
155 69.4 34.9 104.8
157 88.4 43.8 131.4





#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

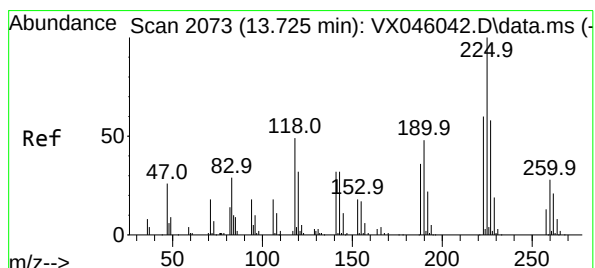
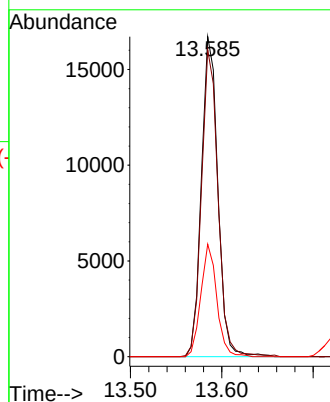
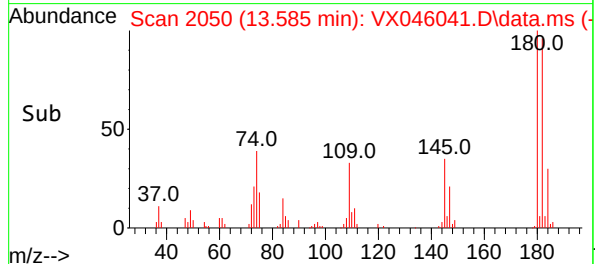
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



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

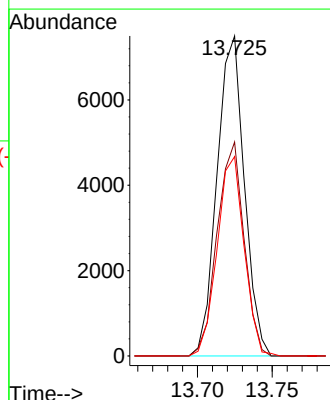
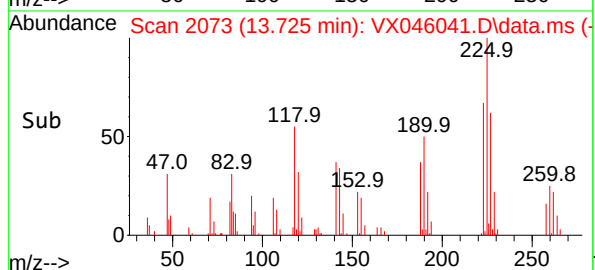
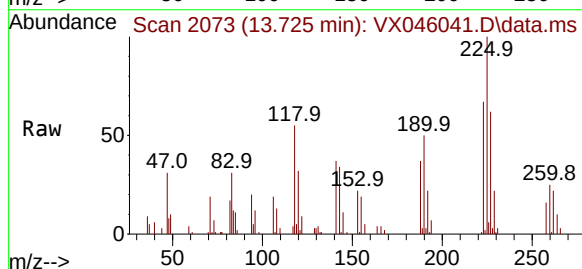
Manual Integrations
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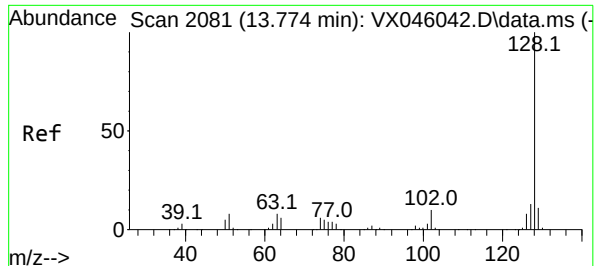
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

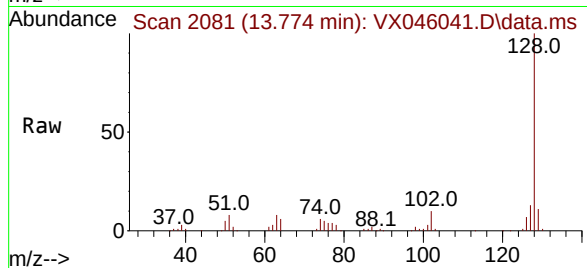
Tgt Ion:225 Resp: 9524
Ion Ratio Lower Upper
225 100
223 65.6 30.8 92.4
227 61.4 30.9 92.7





#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

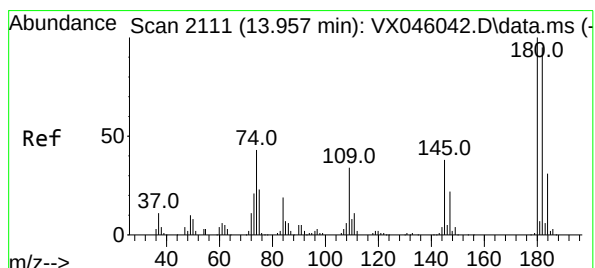
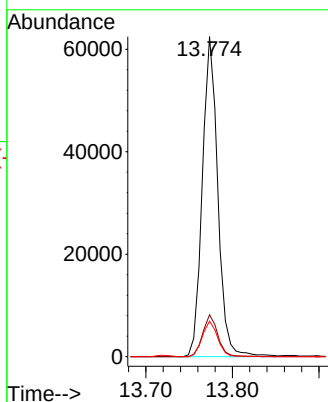
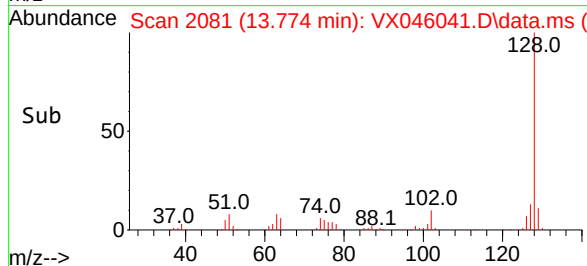
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



Tgt Ion:128 Resp: 7754
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 11.1 8.6 13.0

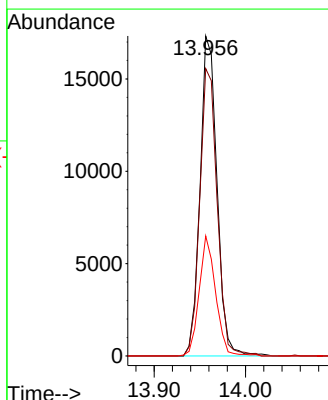
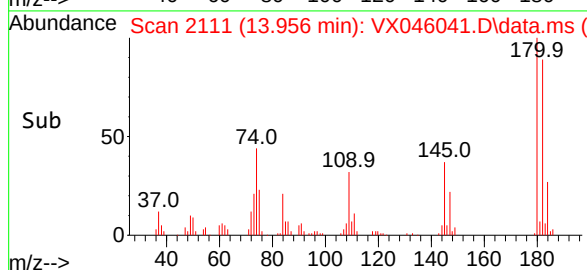
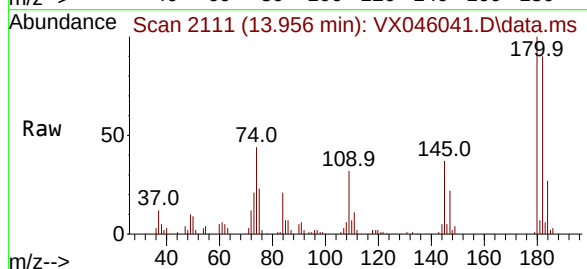
Manual Integrations
APPROVED

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

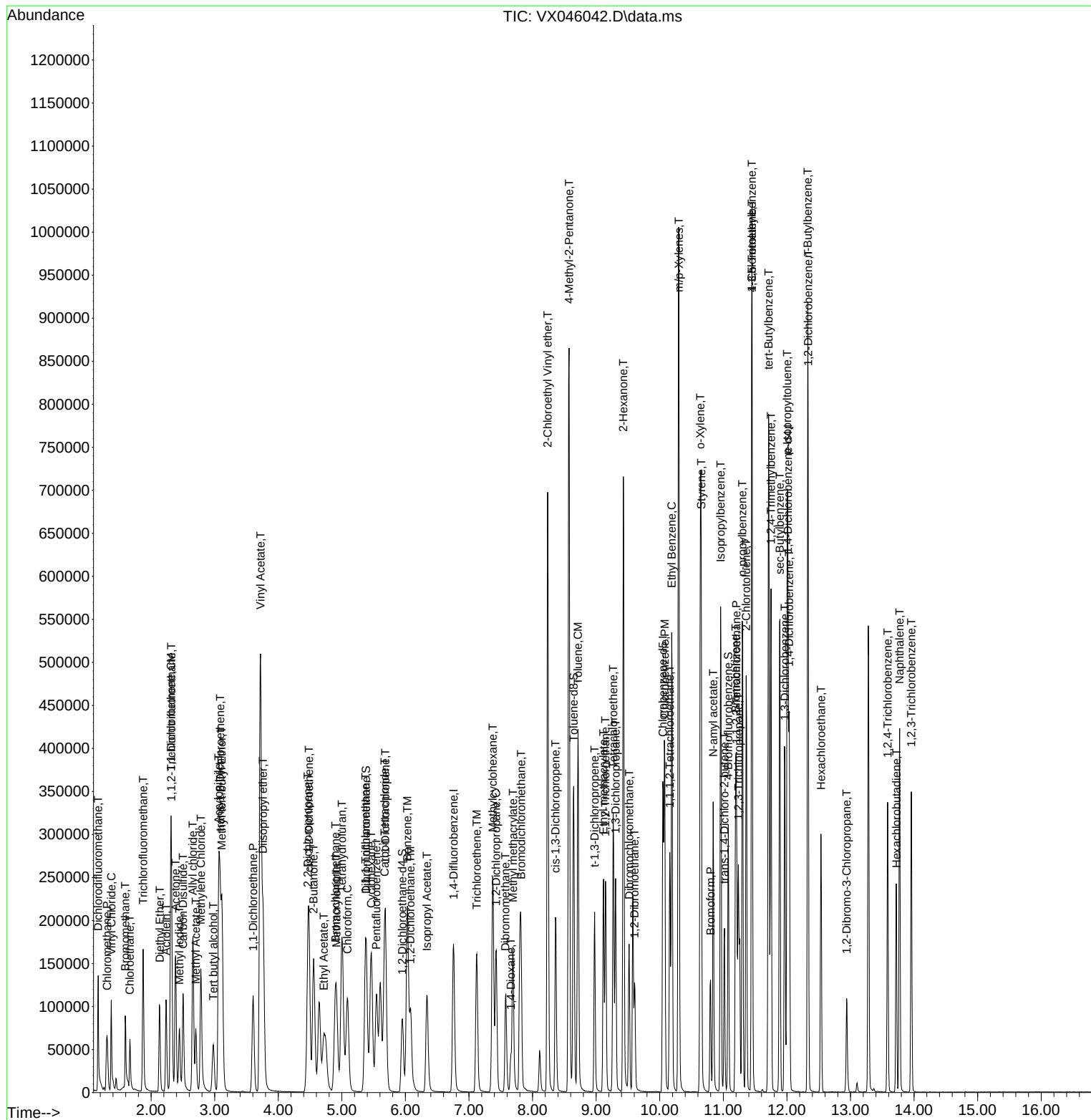
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

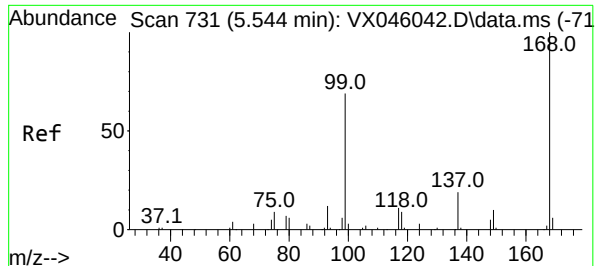
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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





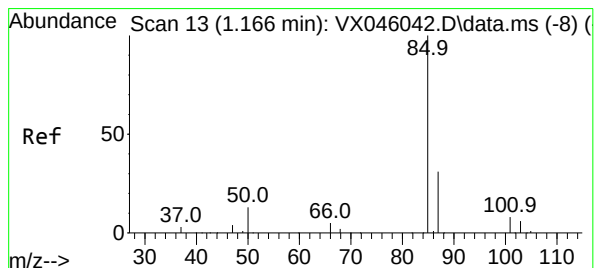
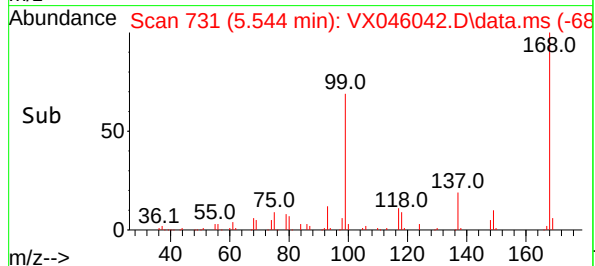
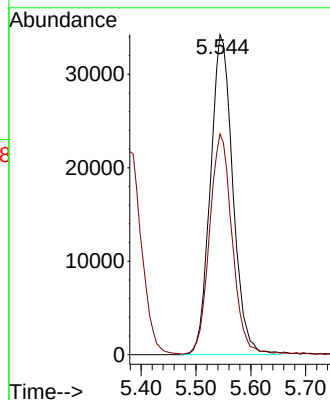
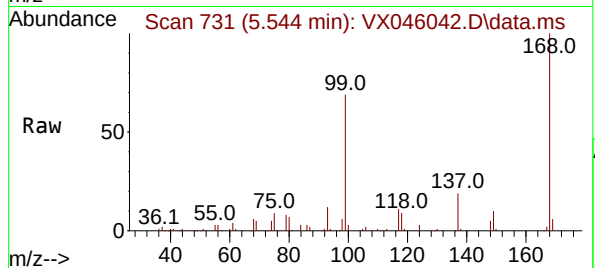
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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

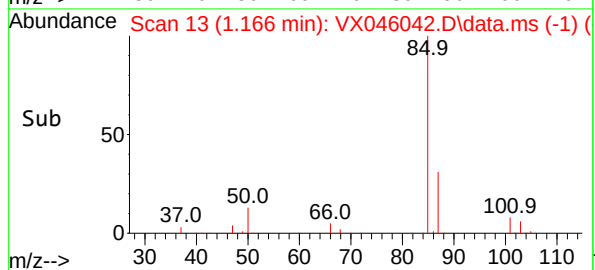
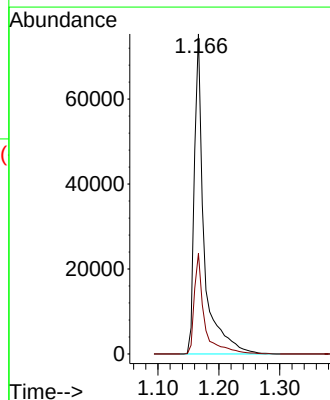
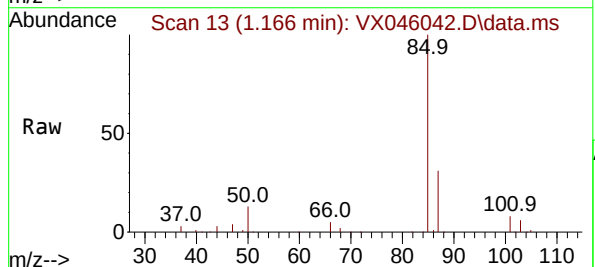
Manual Integrations
APPROVED

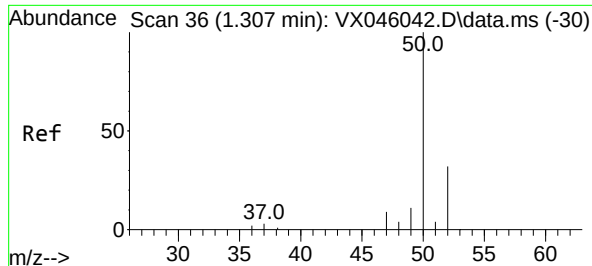
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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





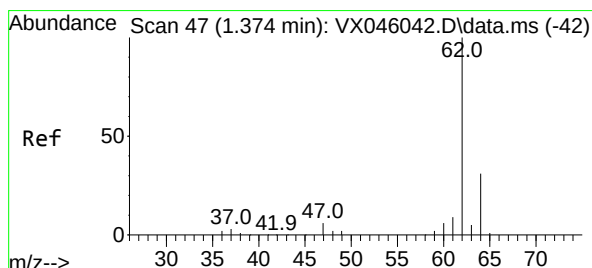
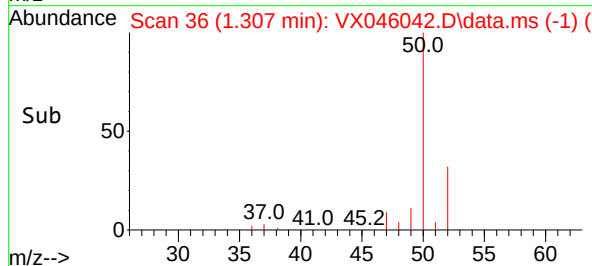
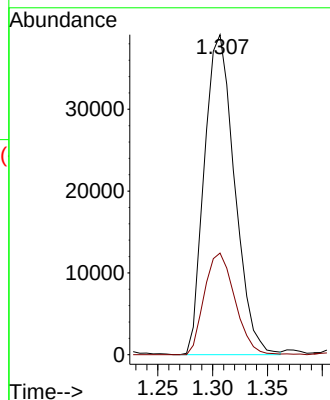
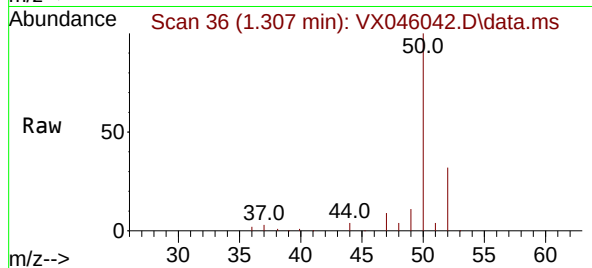
#3
Chloromethane
Concen: 35.658 ug/l
RT: 1.307 min Scan# 36
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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

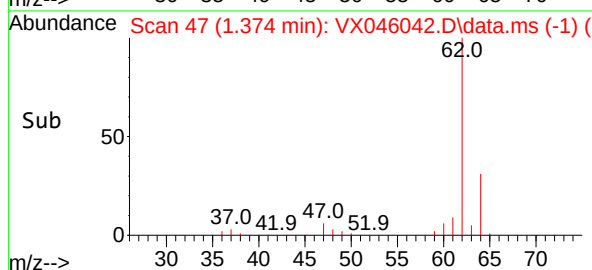
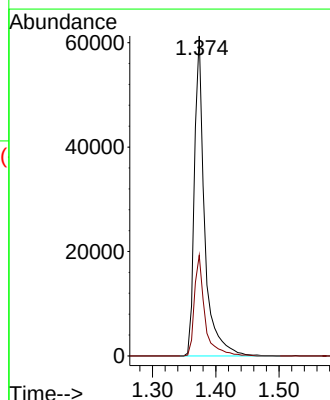
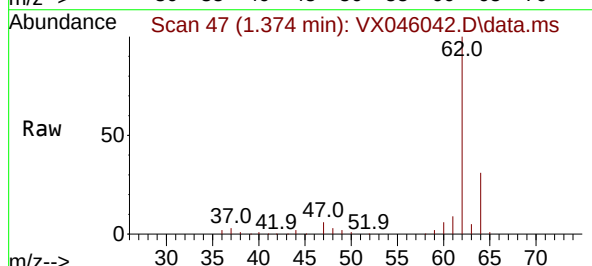
Manual Integrations
APPROVED

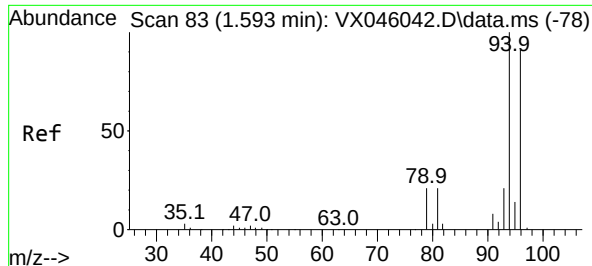
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

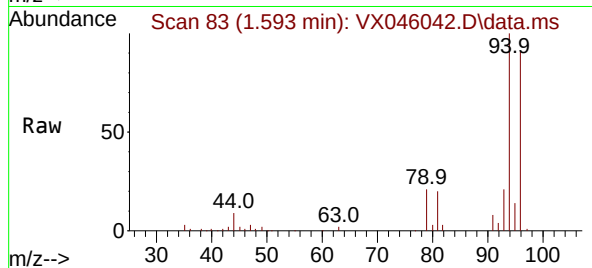
Tgt Ion: 62 Resp: 68901
Ion Ratio Lower Upper
62 100
64 31.5 25.2 37.8





#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

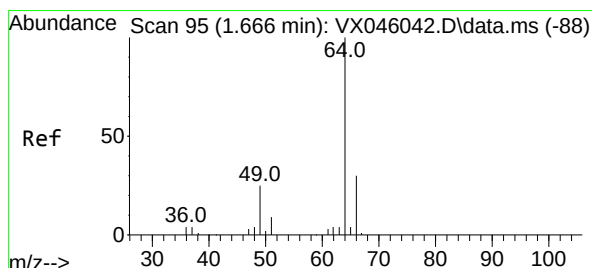
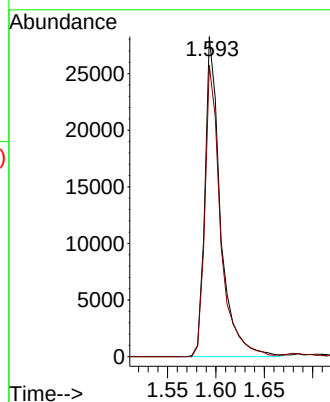
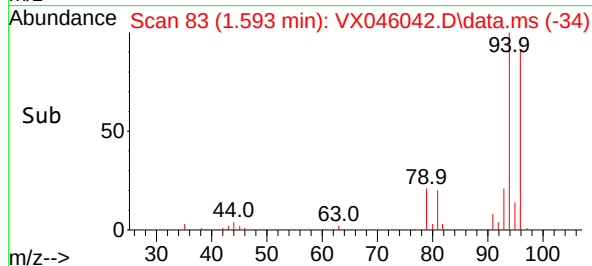
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



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

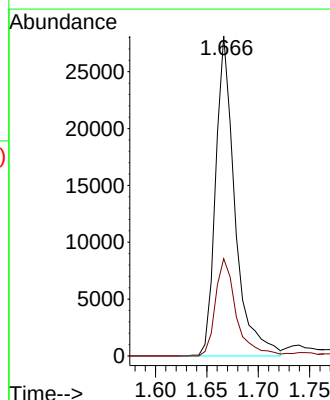
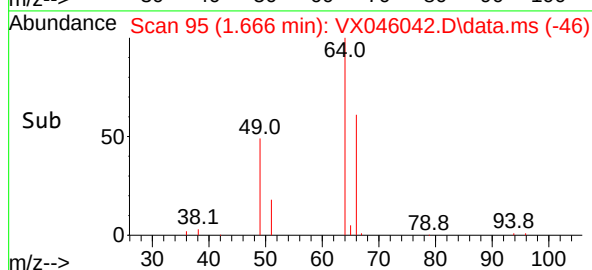
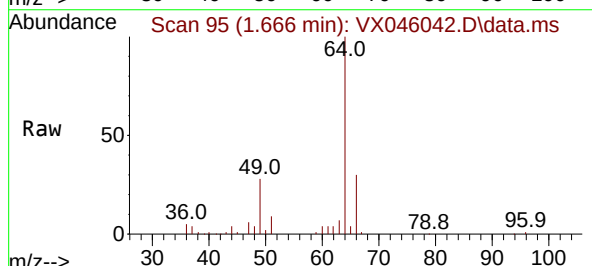
Manual Integrations
APPROVED

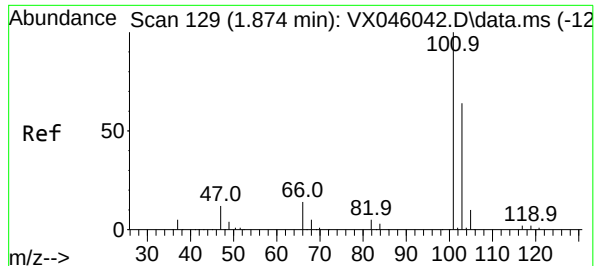
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

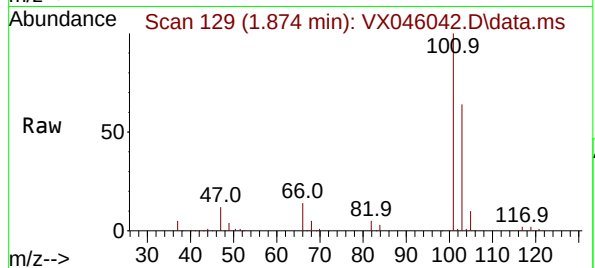
Tgt Ion: 64 Resp: 36722
Ion Ratio Lower Upper
64 100
66 30.4 24.3 36.5





#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

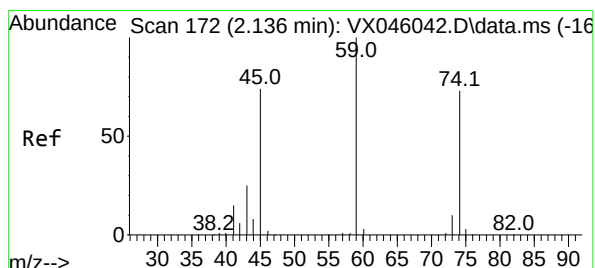
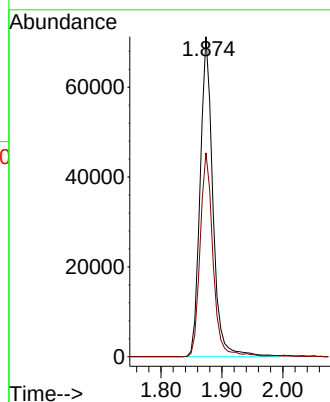
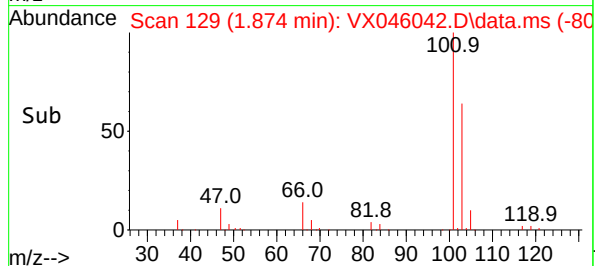
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



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

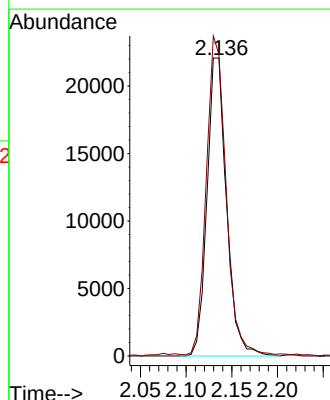
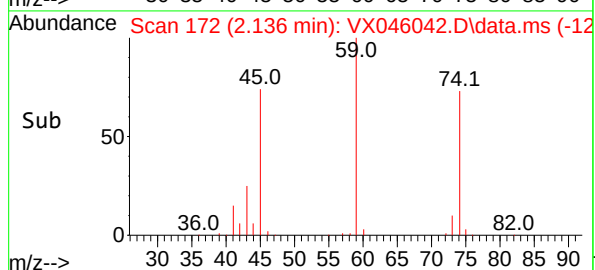
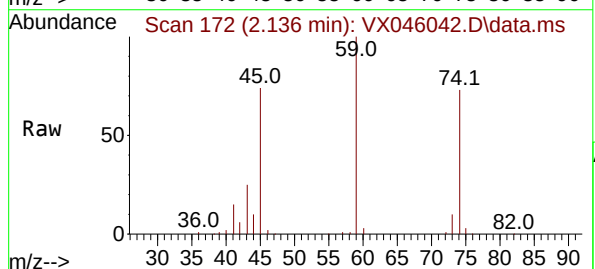
Manual Integrations
APPROVED

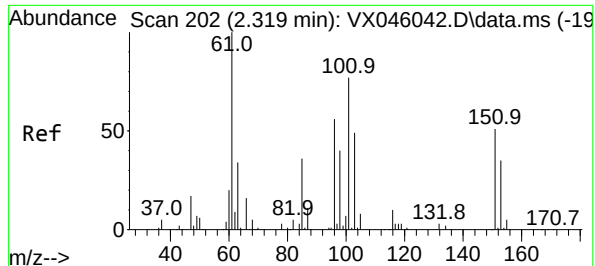
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

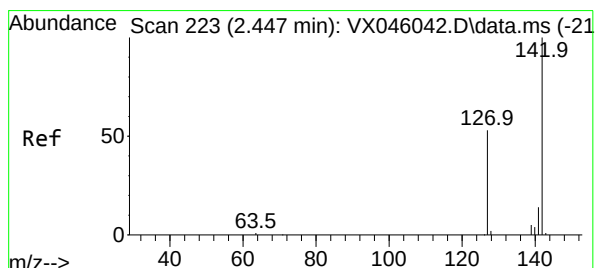
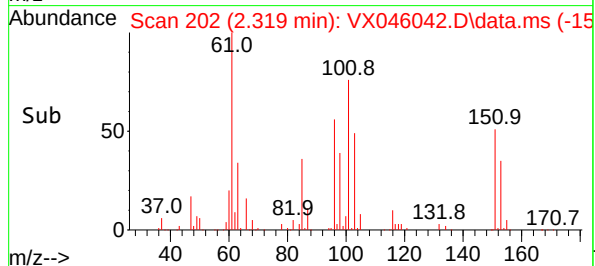
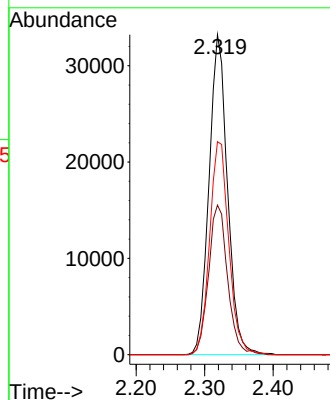
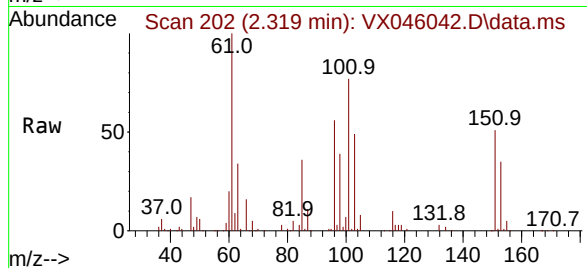
151 69.0 55.2 82.8

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

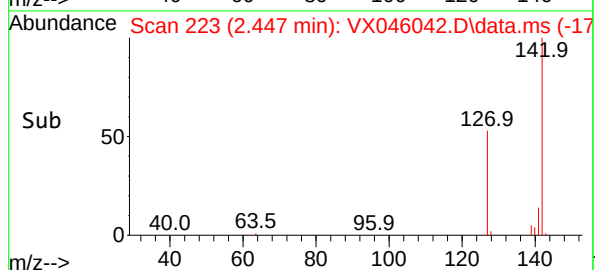
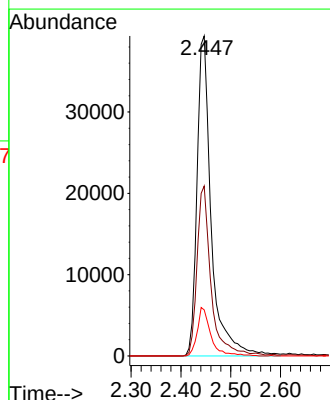
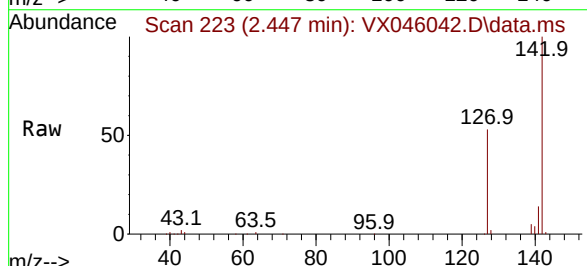
Tgt Ion:142 Resp: 78277

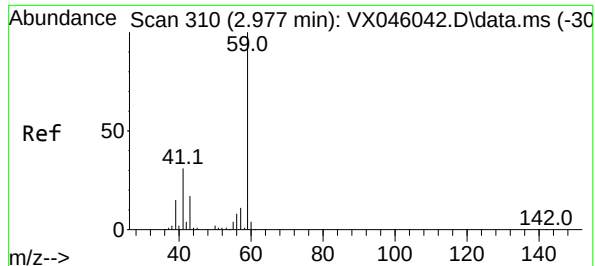
Ion Ratio Lower Upper

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

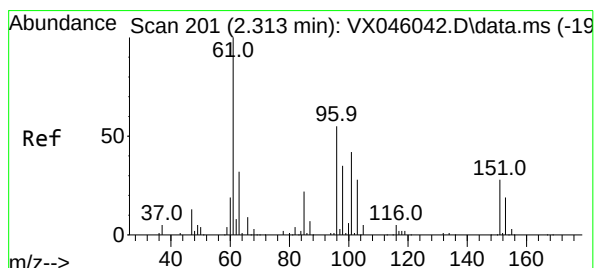
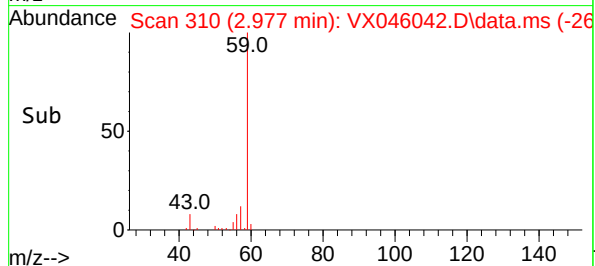
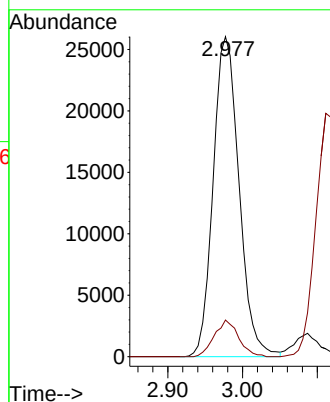
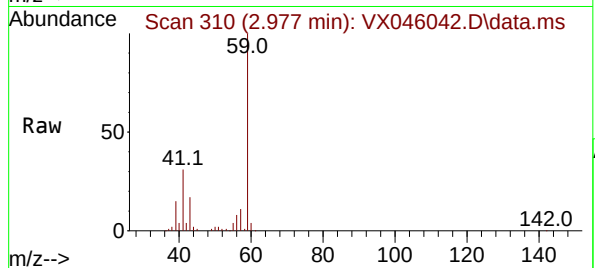
57 10.7 8.6 12.8

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

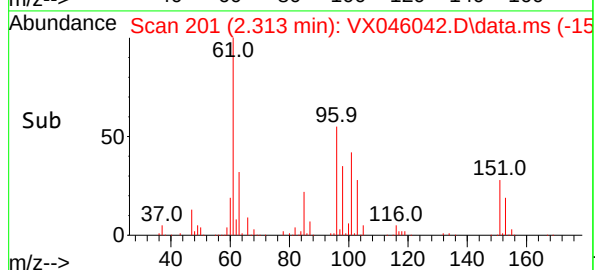
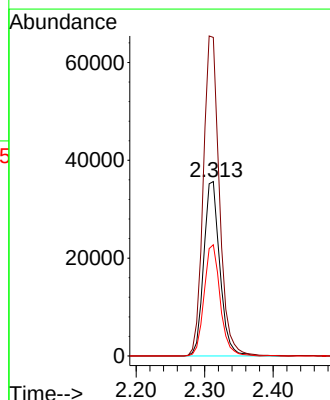
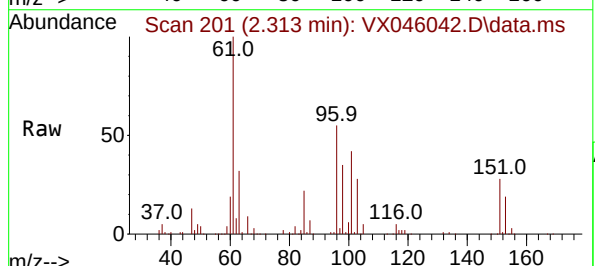
Tgt Ion: 96 Resp: 58334

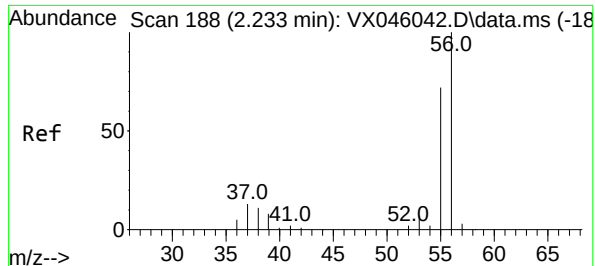
Ion Ratio Lower Upper

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

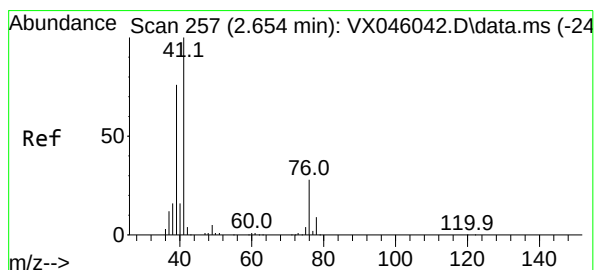
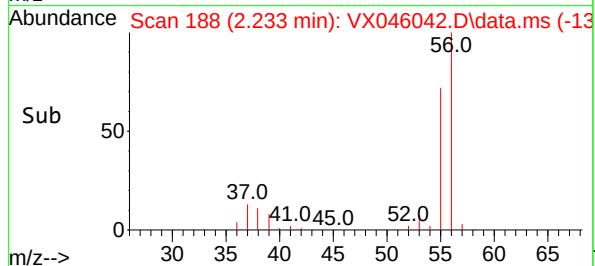
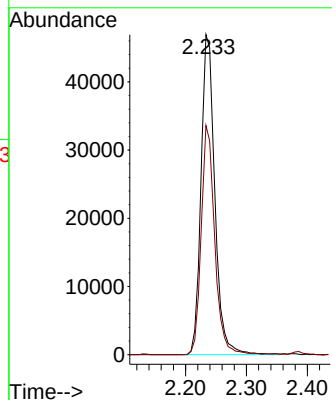
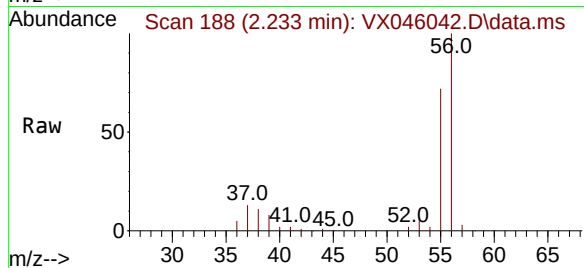
55 70.3 56.2 84.4

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

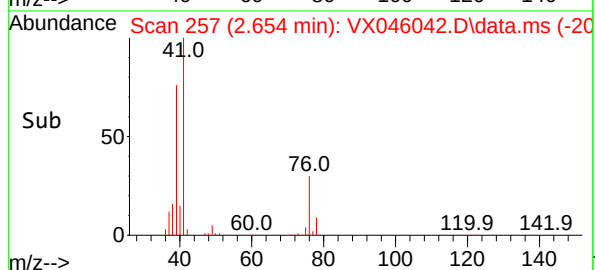
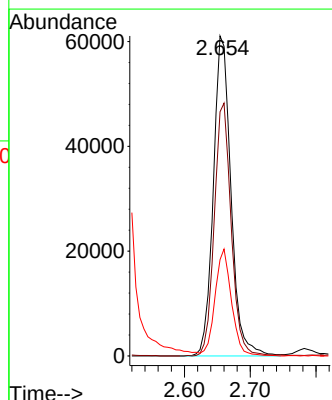
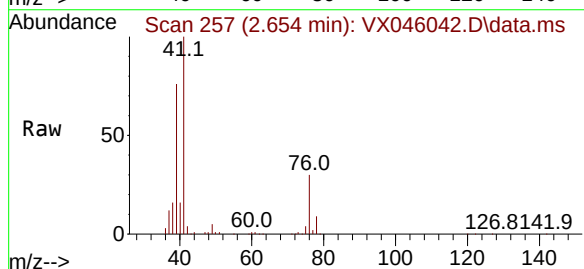
Tgt Ion: 41 Resp: 114445

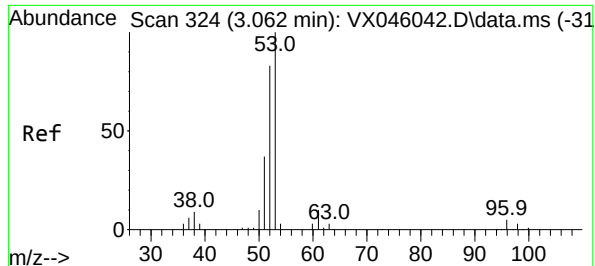
Ion Ratio Lower Upper

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

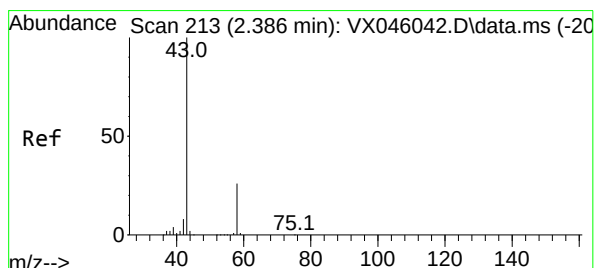
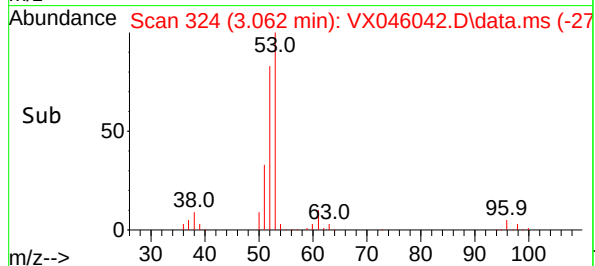
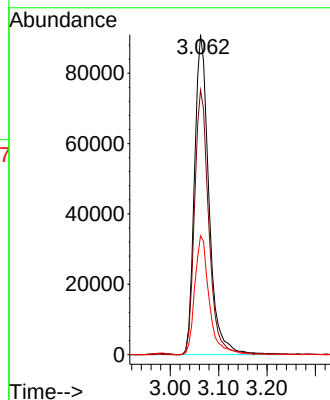
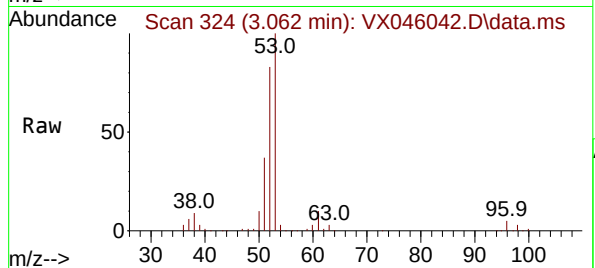
Tgt Ion:	53	Resp:	188304
Ion	Ratio	Lower	Upper
53	100		
52	81.6	65.3	97.9
51	37.3	29.8	44.8

Manual Integrations

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Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#16

Acetone

Concen: 177.910 ug/l

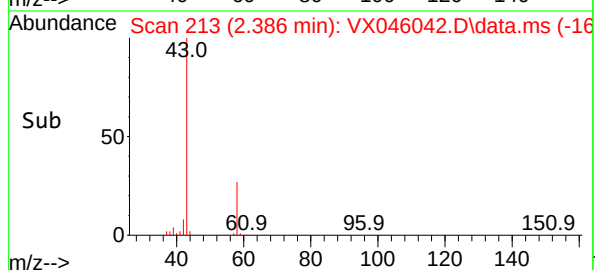
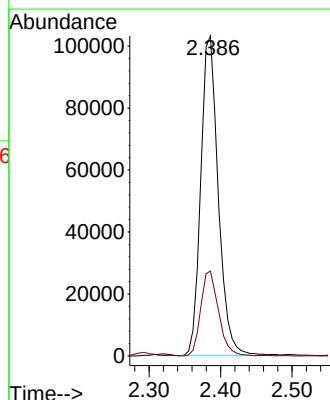
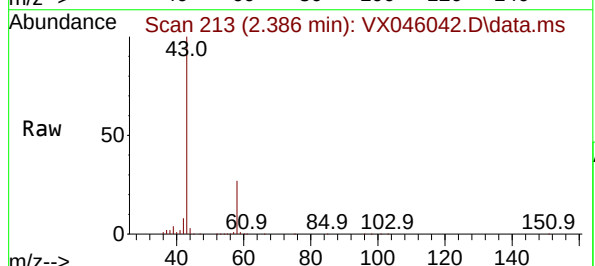
RT: 2.386 min Scan# 213

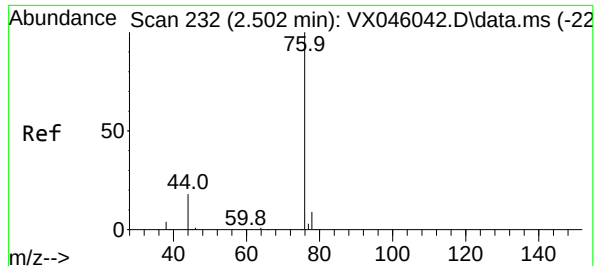
Delta R.T. 0.000 min

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

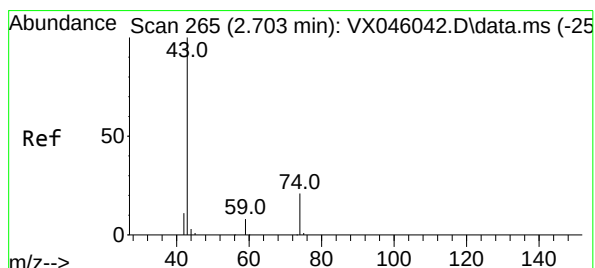
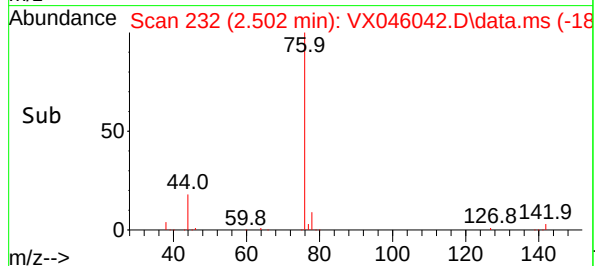
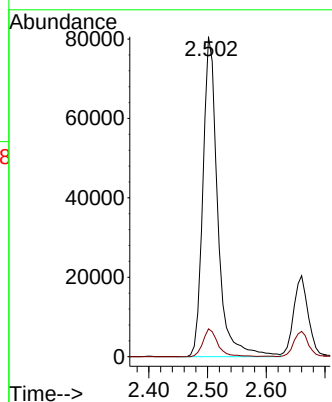
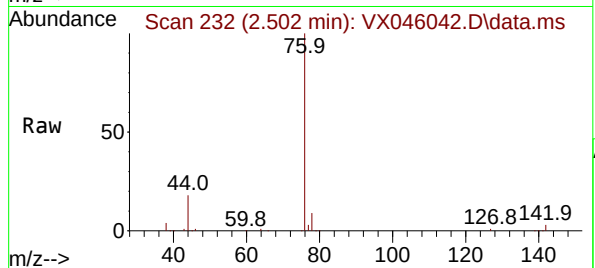
78 8.7 7.0 10.4

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

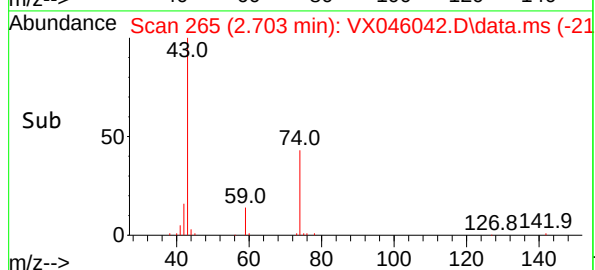
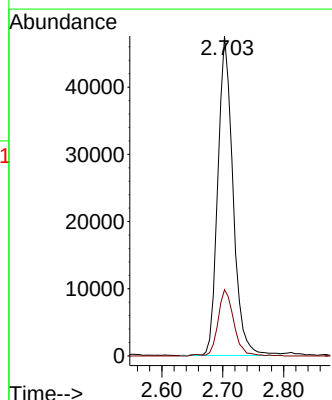
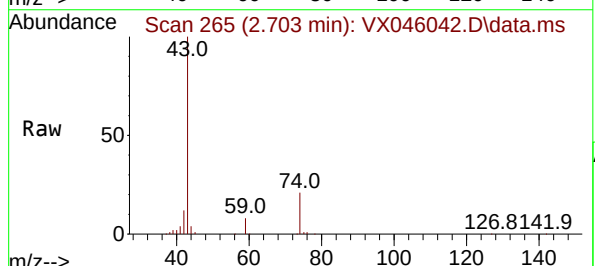
Acq: 05 May 2025 11:58

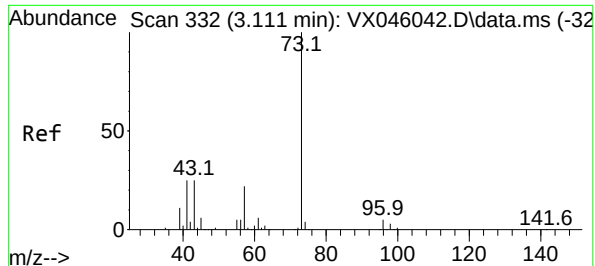
Tgt Ion: 43 Resp: 82347

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

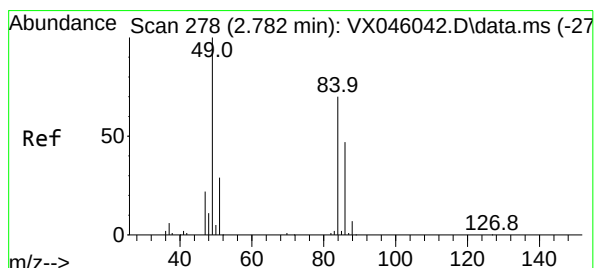
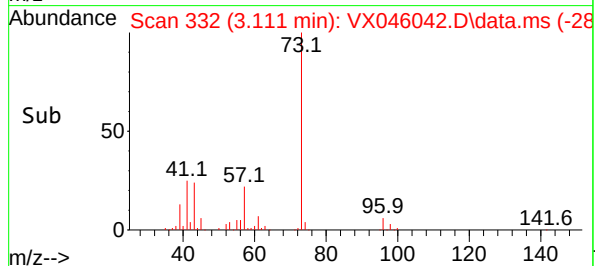
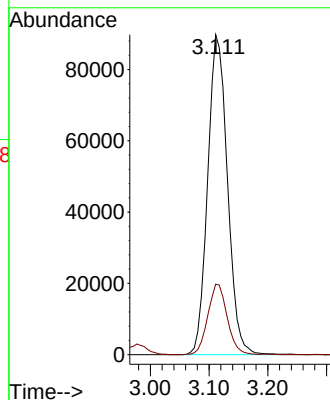
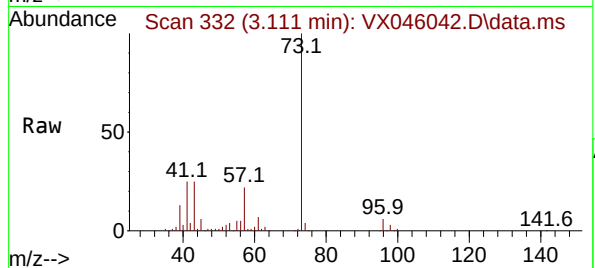
57 22.1 17.7 26.5

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

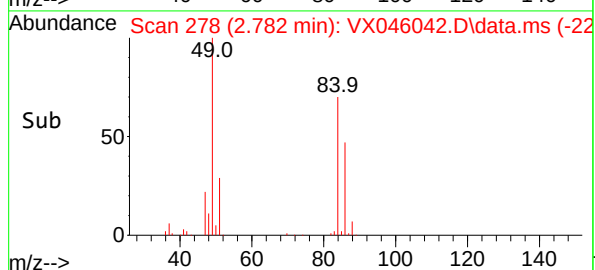
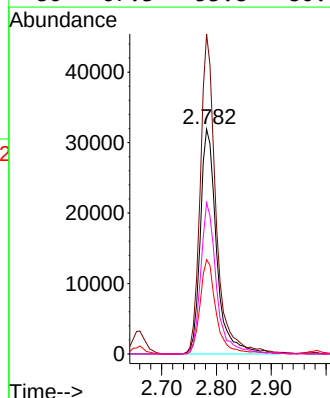
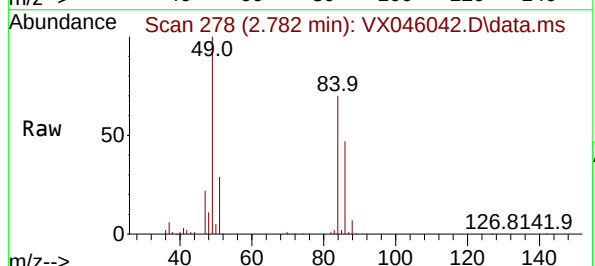
Ion Ratio Lower Upper

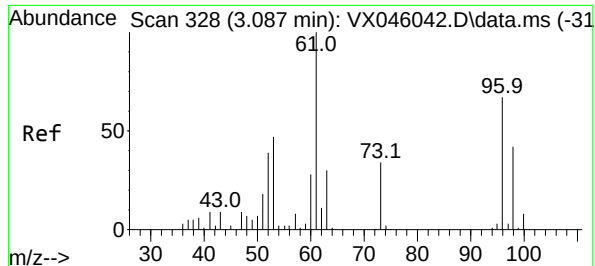
84 100

49 142.4 113.9 170.9

51 41.9 33.5 50.3

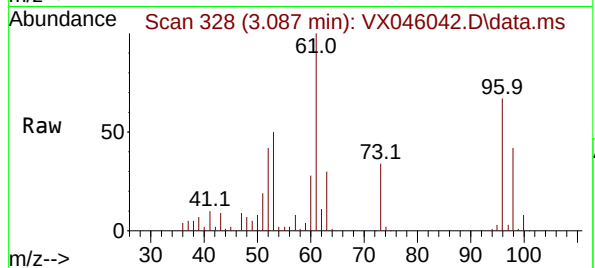
86 67.3 53.8 80.8





#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

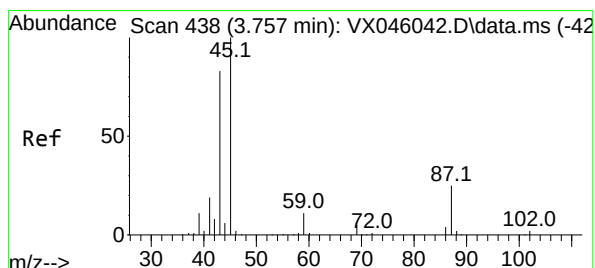
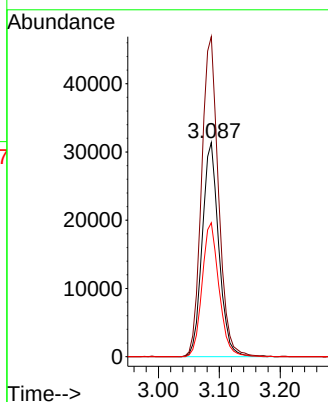
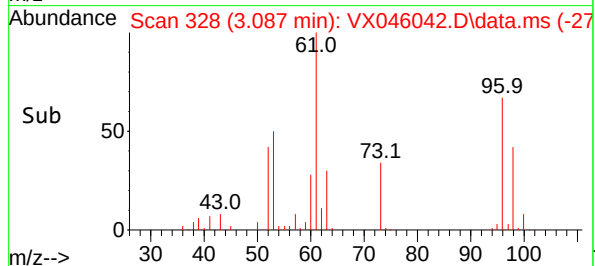
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



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

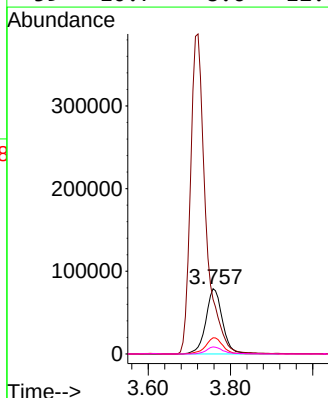
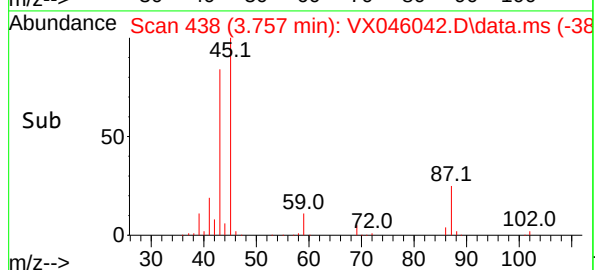
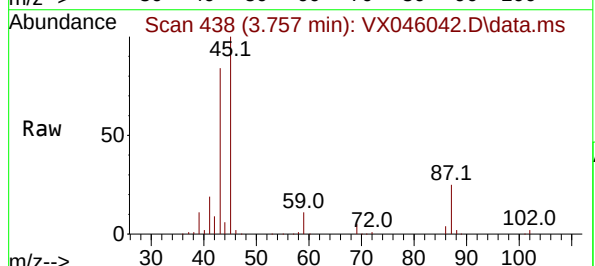
Manual Integrations
APPROVED

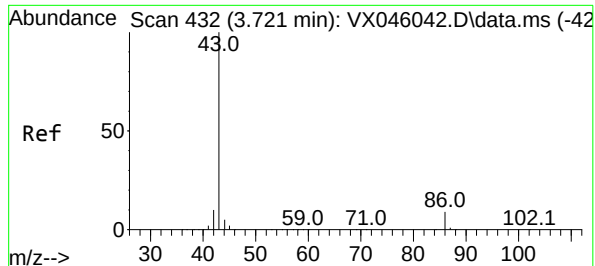
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

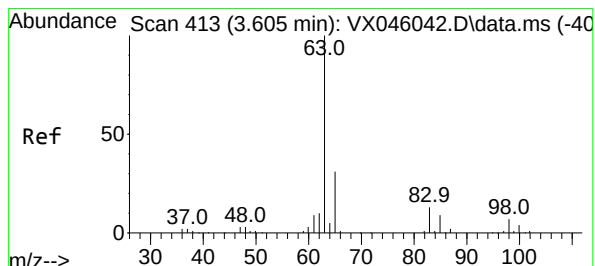
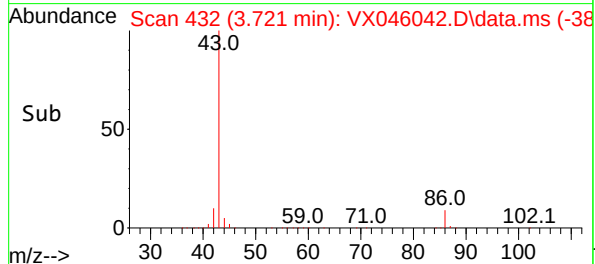
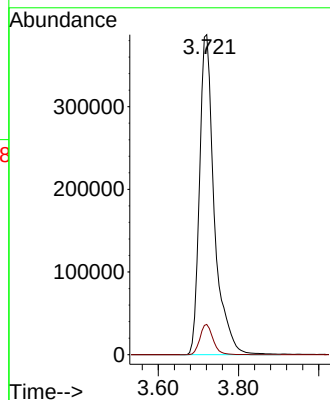
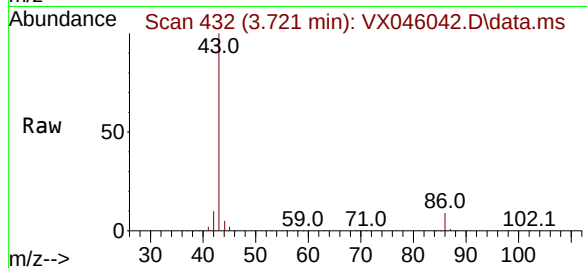
86 9.4 7.5 11.3

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

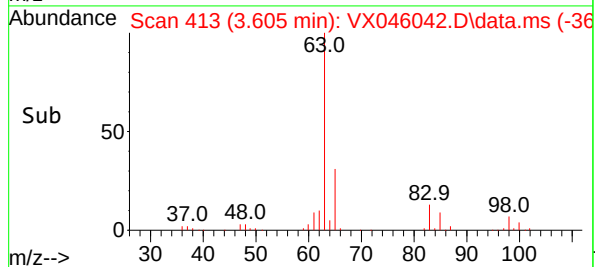
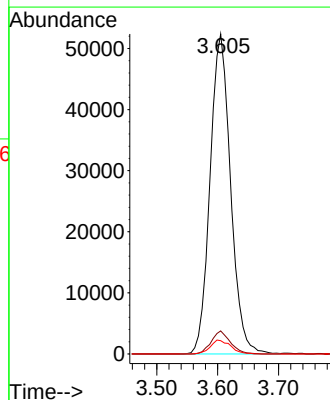
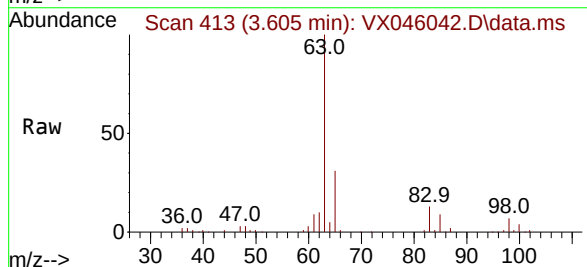
Tgt Ion: 63 Resp: 122601

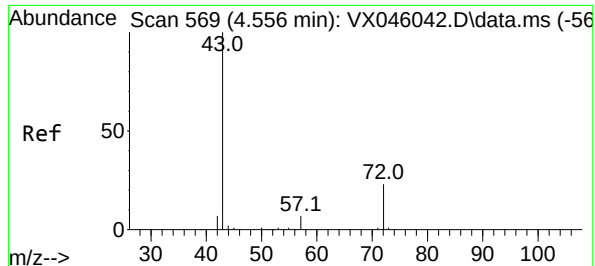
Ion Ratio Lower Upper

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

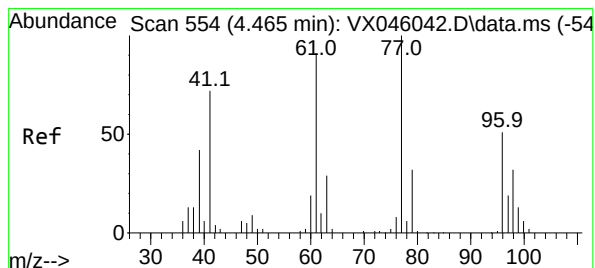
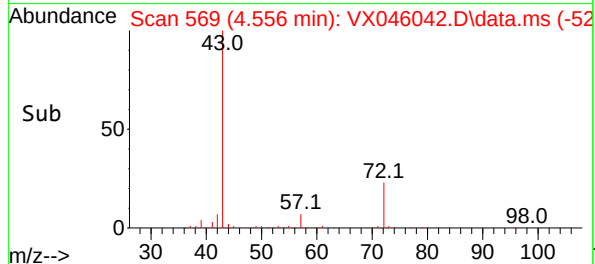
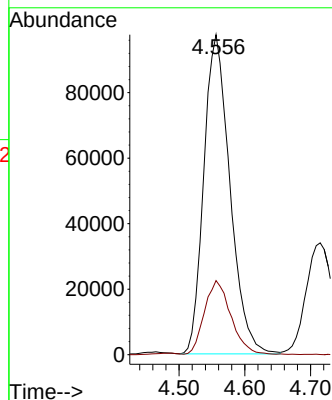
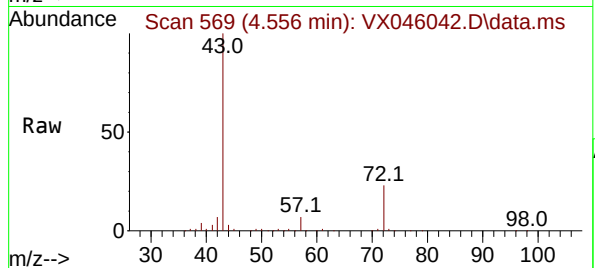
72 23.0 18.4 27.6

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

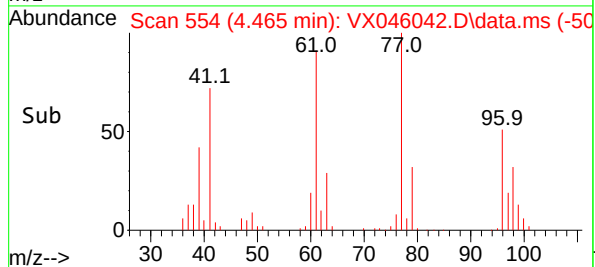
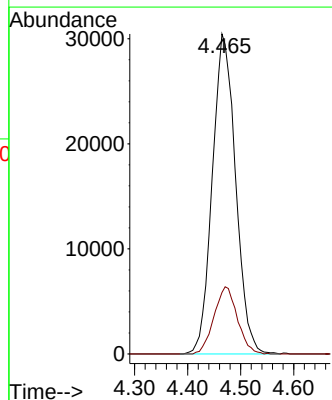
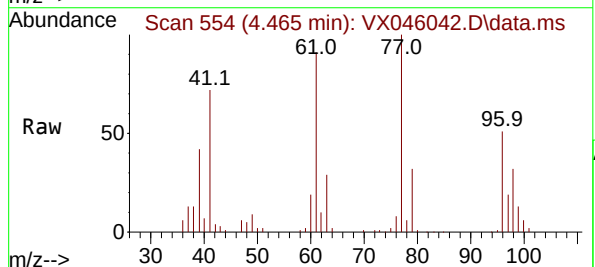
Acq: 05 May 2025 11:58

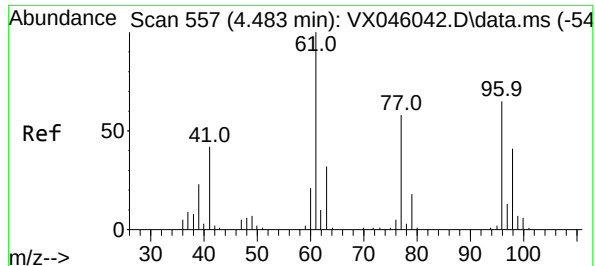
Tgt Ion: 77 Resp: 92857

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

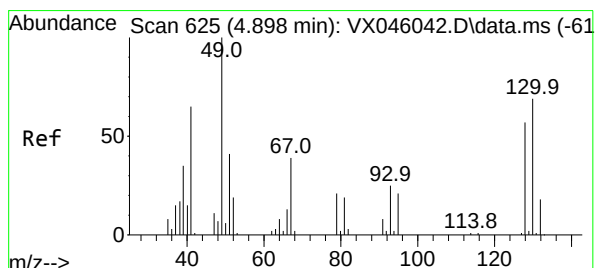
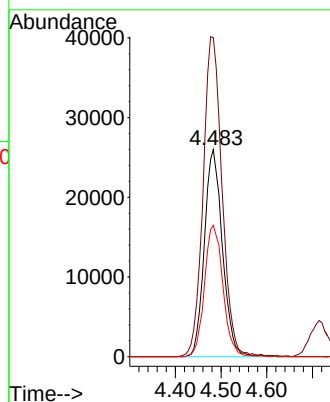
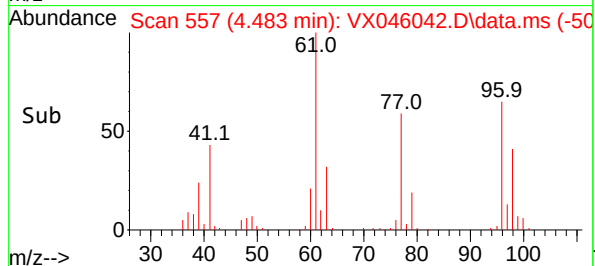
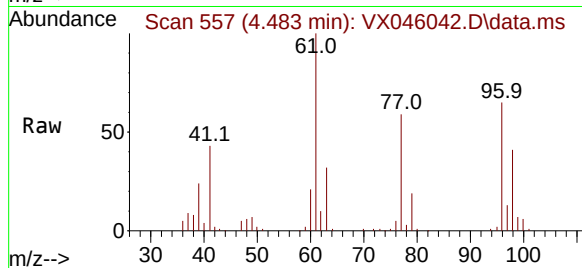
98 64.5 0.0 129.0

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

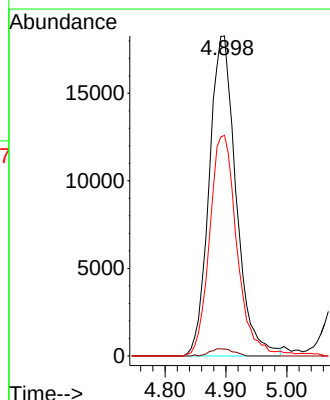
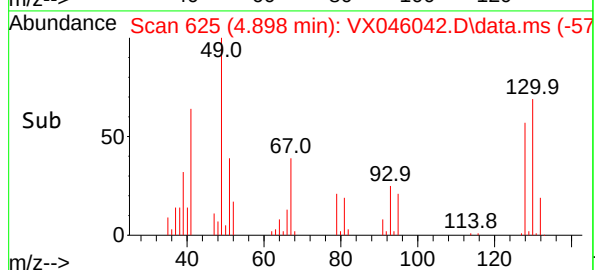
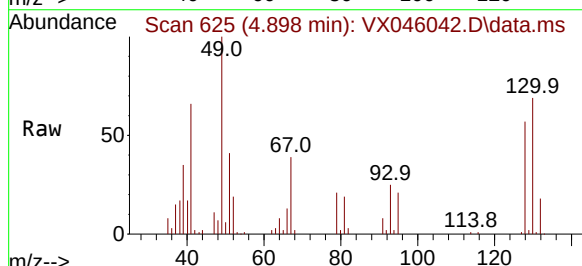
Tgt Ion: 49 Resp: 56091

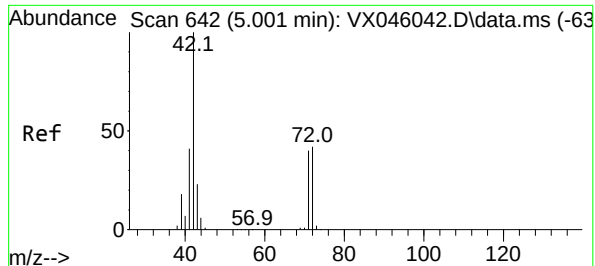
Ion Ratio Lower Upper

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

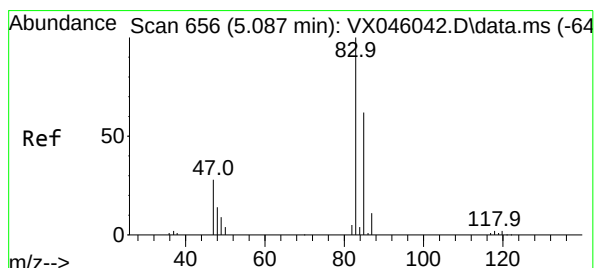
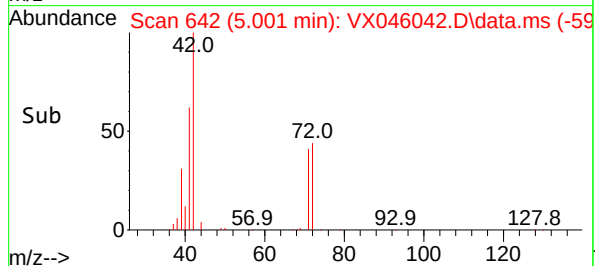
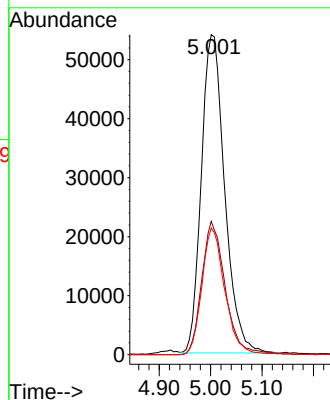
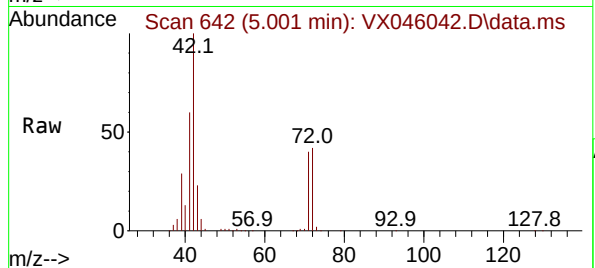
71 39.3 31.4 47.2

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

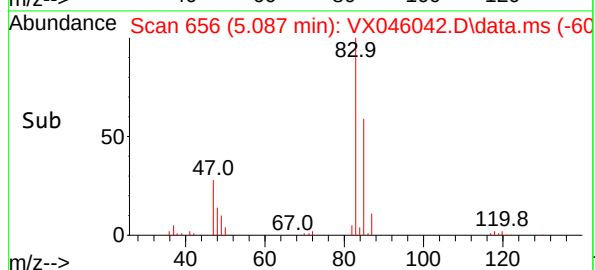
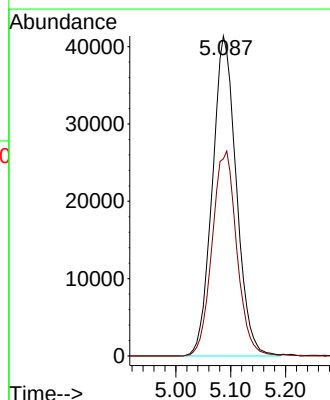
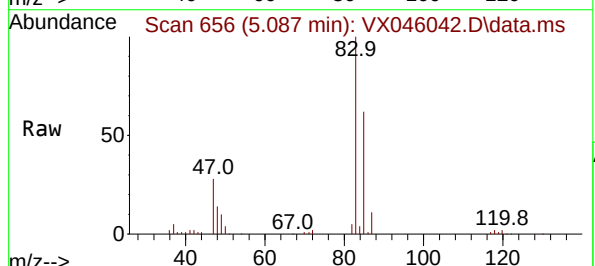
Acq: 05 May 2025 11:58

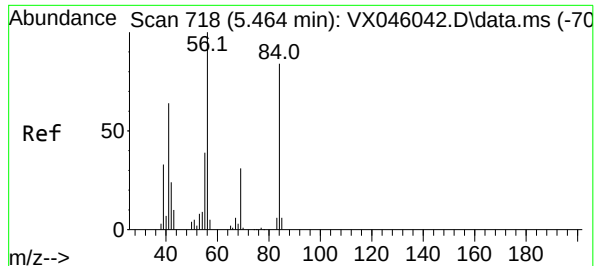
Tgt Ion: 83 Resp: 125850

Ion Ratio Lower Upper

83 100

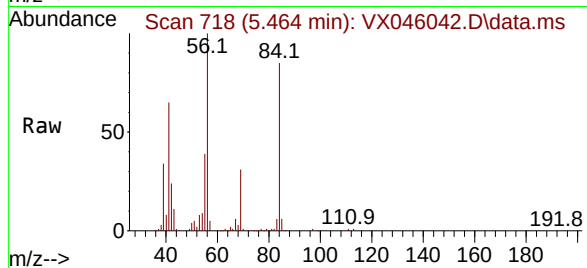
85 61.6 49.3 73.9





#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

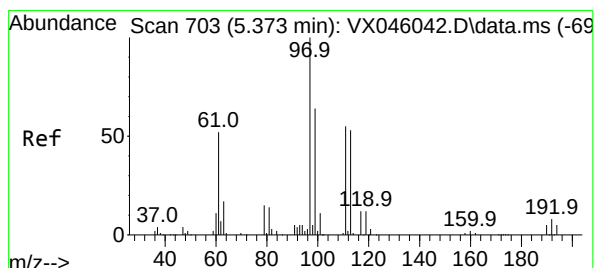
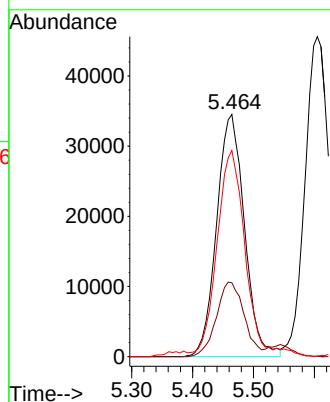
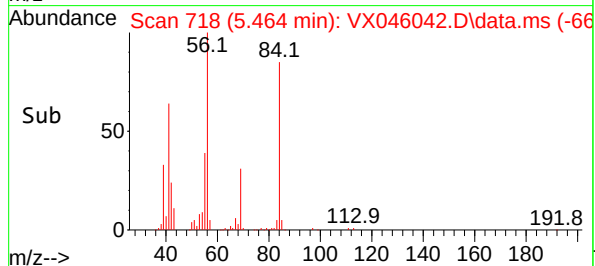
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



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

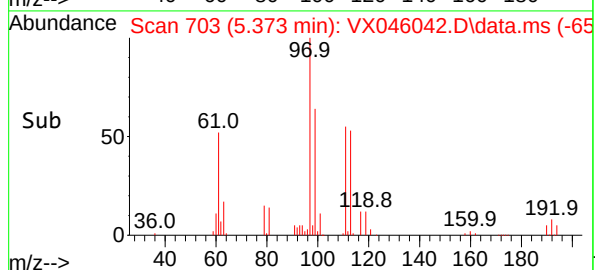
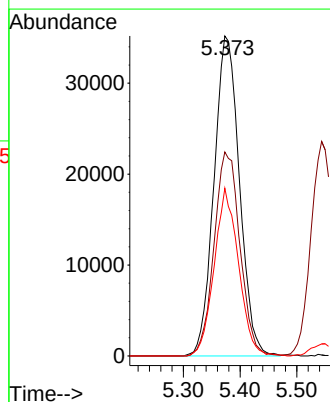
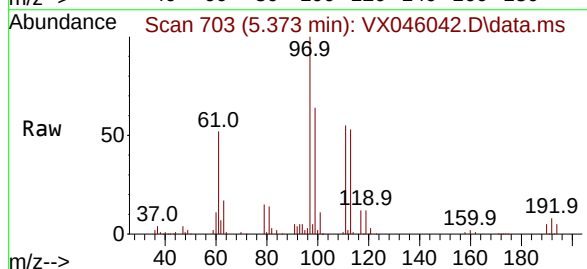
Manual Integrations
APPROVED

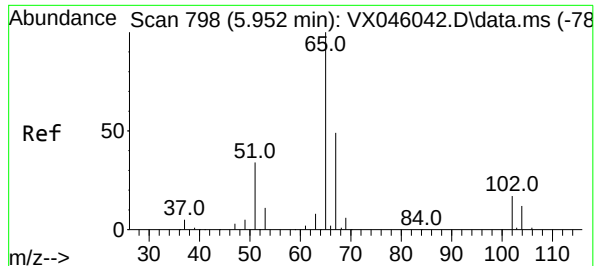
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

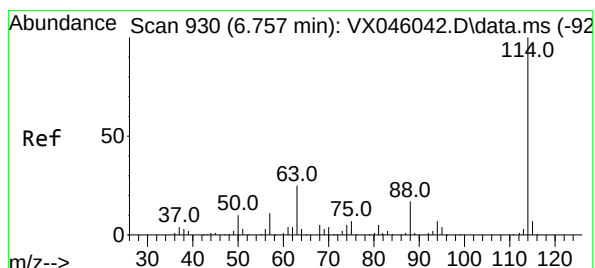
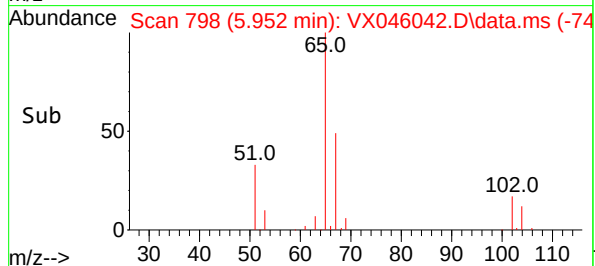
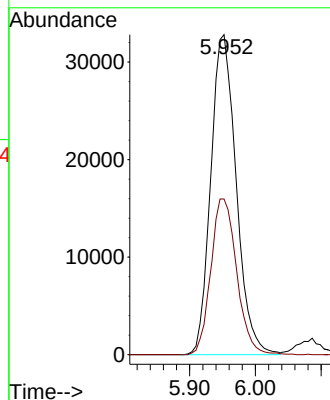
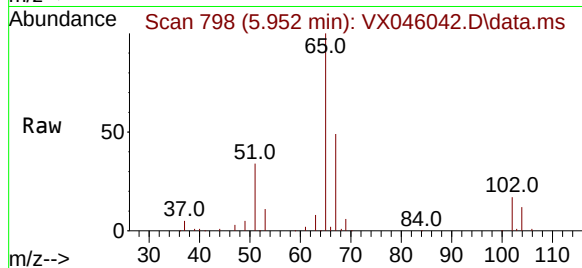
67 49.5 0.0 99.0

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

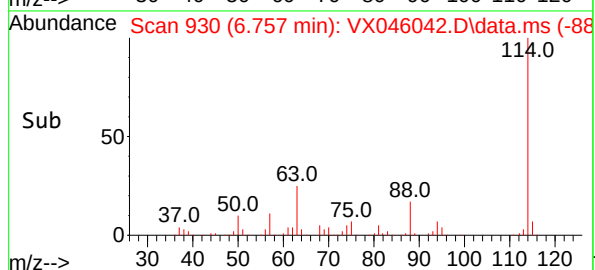
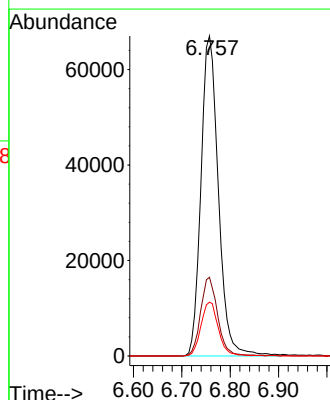
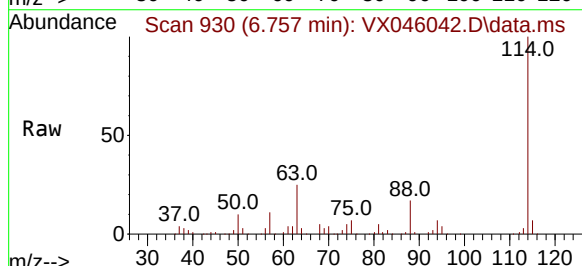
Tgt Ion:114 Resp: 167947

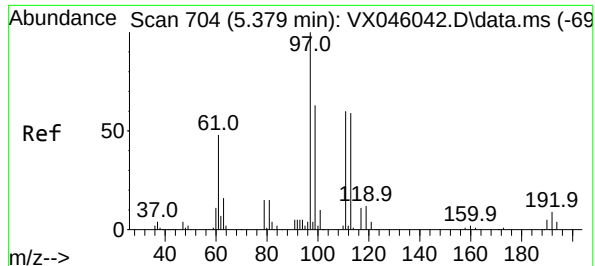
Ion Ratio Lower Upper

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

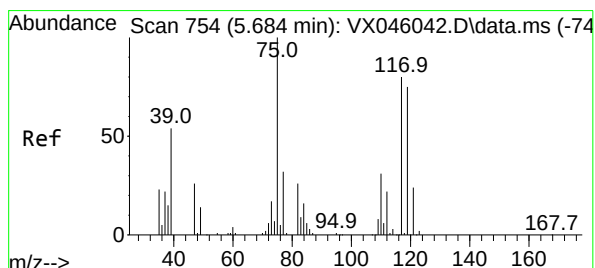
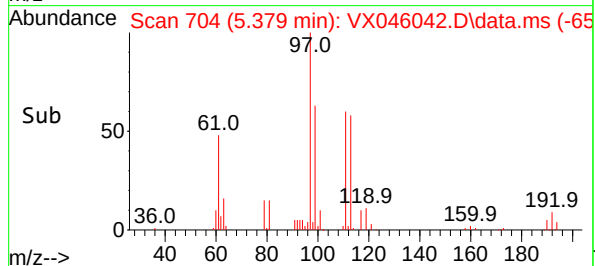
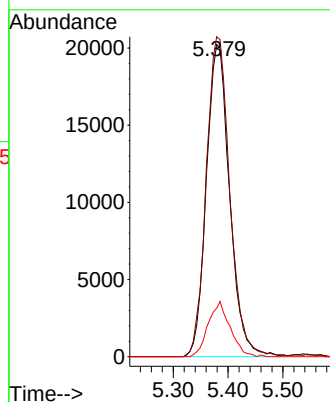
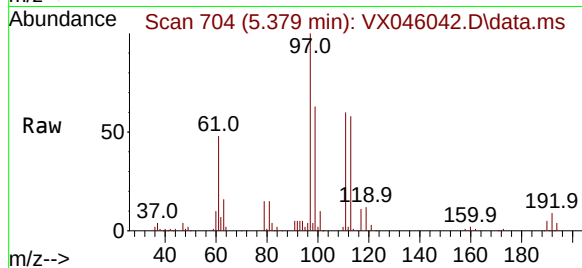
Tgt Ion:	113	Resp:	59550
Ion	Ratio	Lower	Upper
113	100		
111	103.9	83.1	124.7
192	16.6	13.3	19.9

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

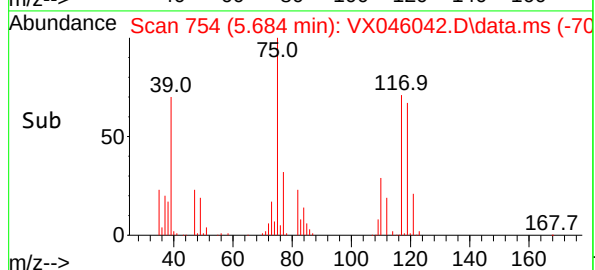
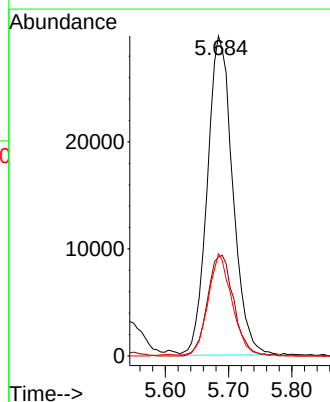
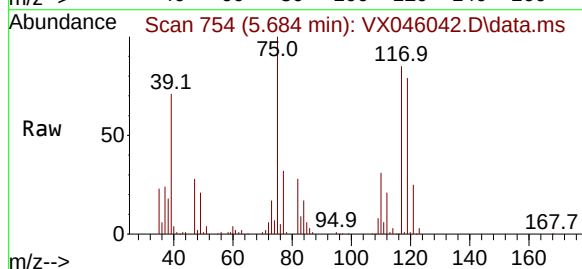
RT: 5.684 min Scan# 754

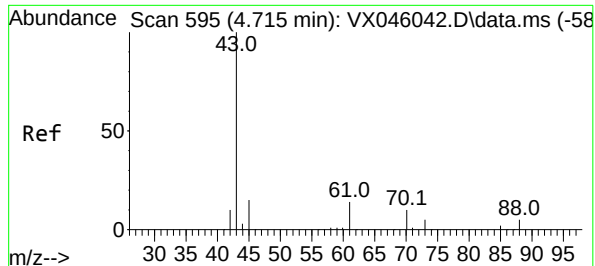
Delta R.T. 0.000 min

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

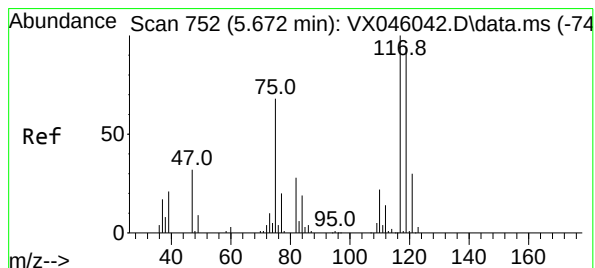
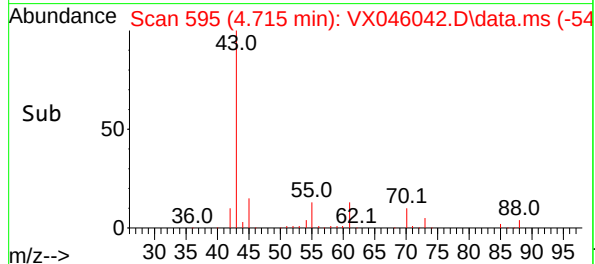
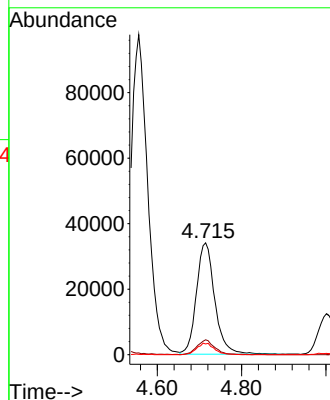
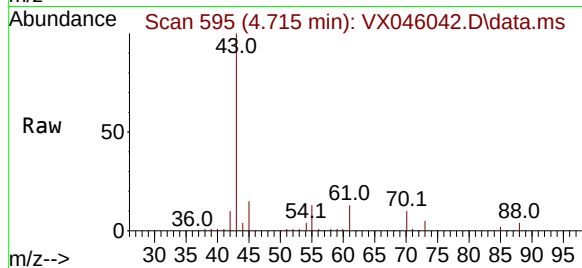
70 9.9 7.9 11.9

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

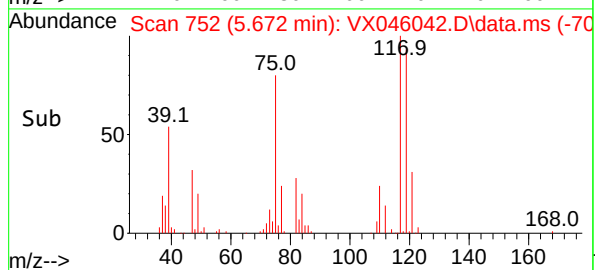
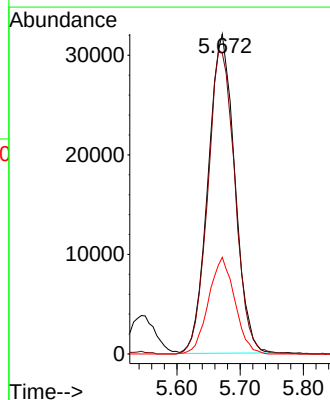
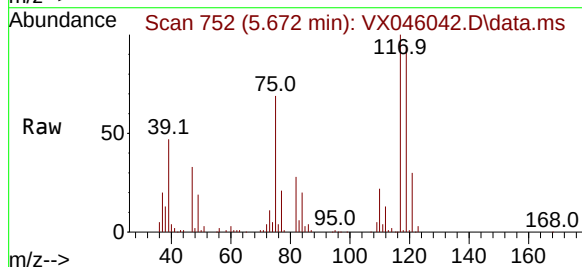
Tgt Ion:117 Resp: 93712

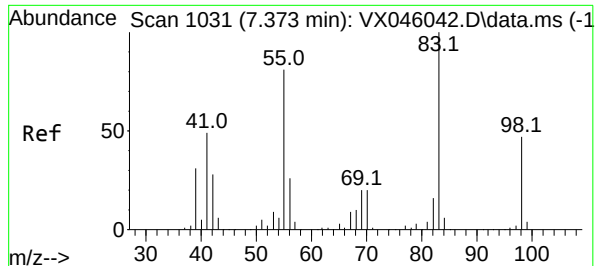
Ion Ratio Lower Upper

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

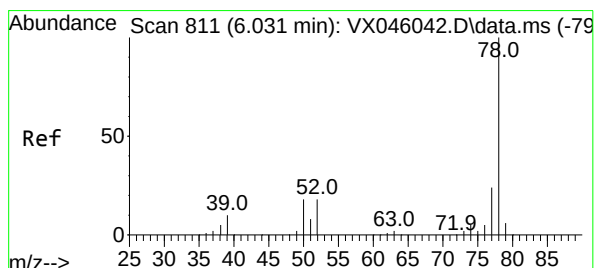
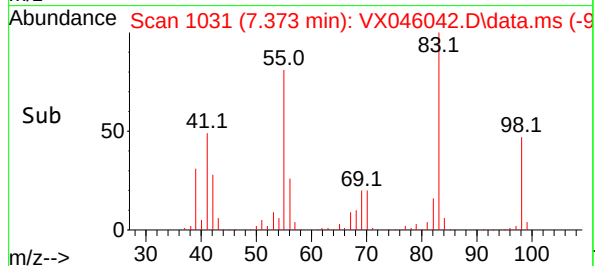
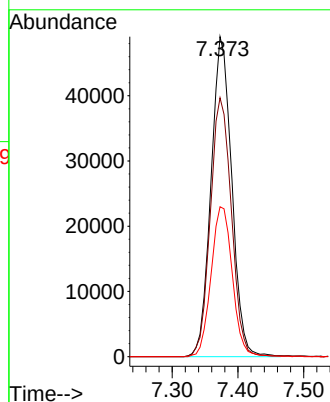
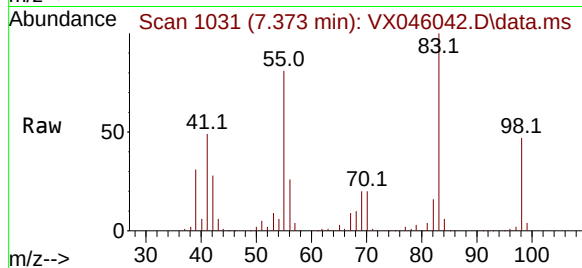
98 46.8 37.4 56.2

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

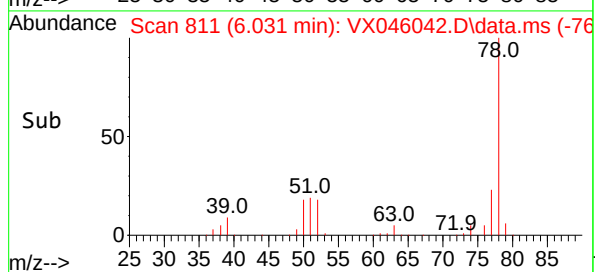
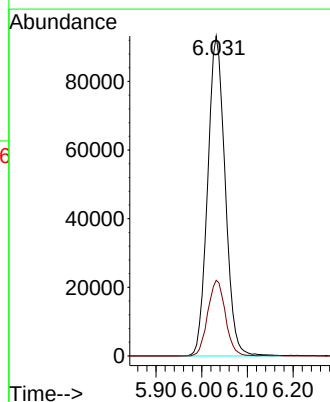
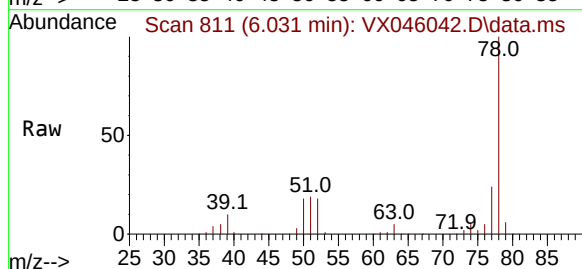
Acq: 05 May 2025 11:58

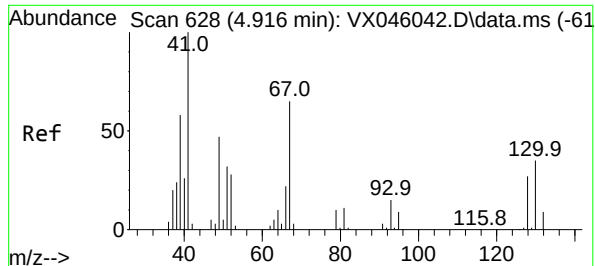
Tgt Ion: 78 Resp: 247476

Ion Ratio Lower Upper

78 100

77 23.7 19.0 28.4





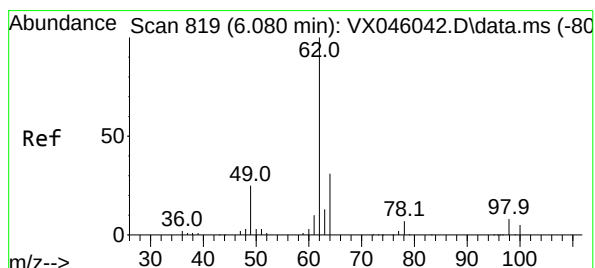
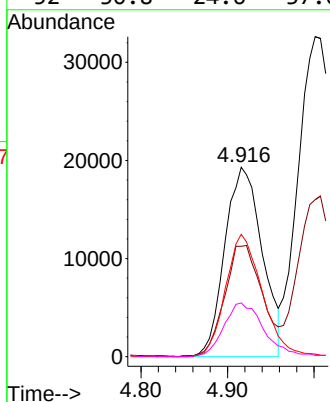
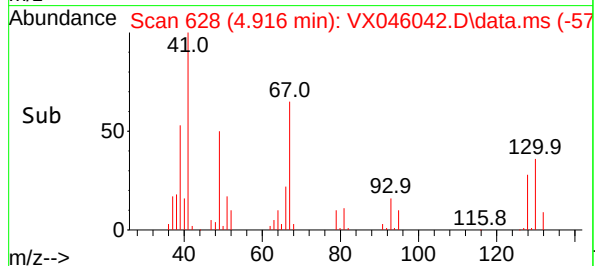
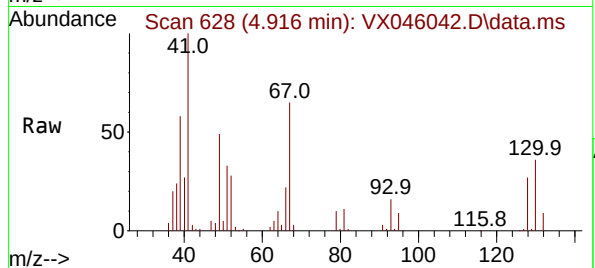
#41
Methacrylonitrile
Concen: 38.123 ug/l
RT: 4.916 min Scan# 612
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 5808
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

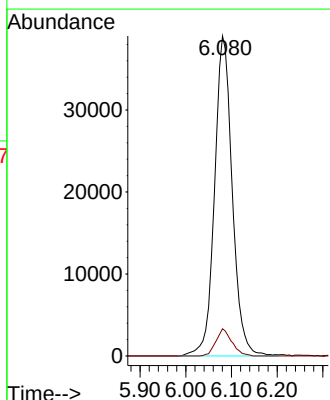
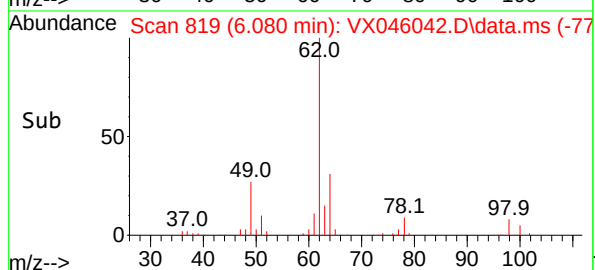
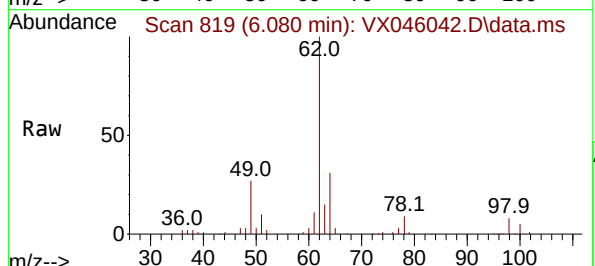
Manual Integrations
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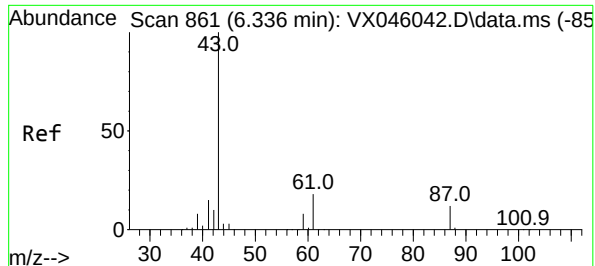
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

21.5

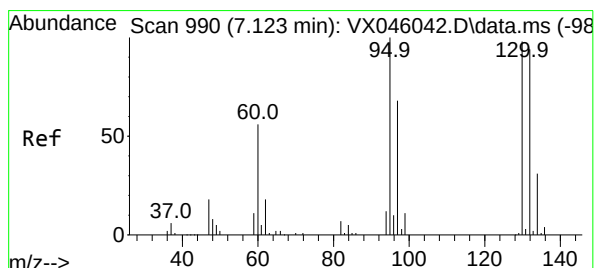
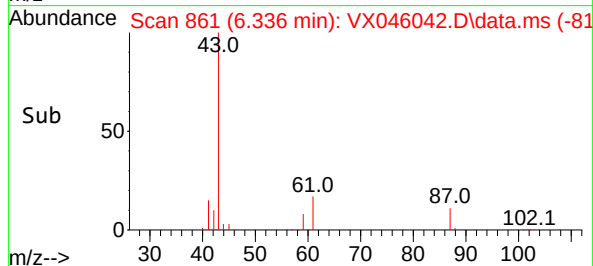
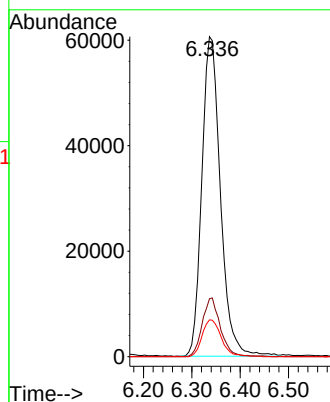
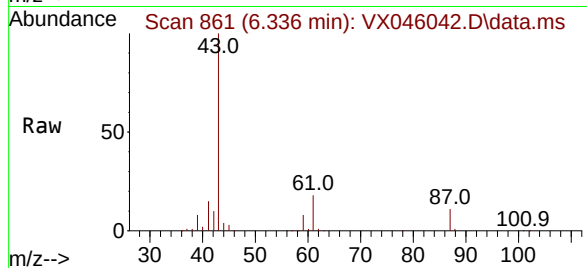
14.3

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

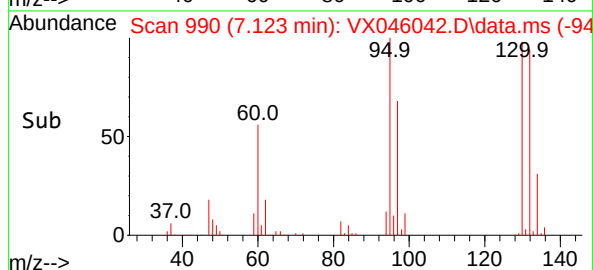
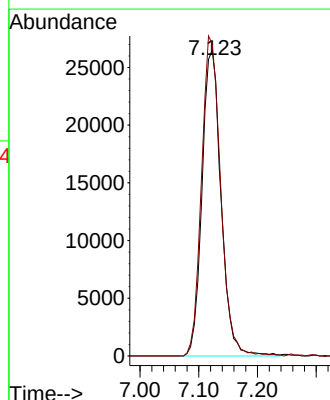
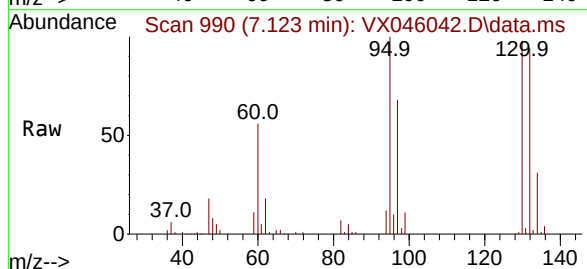
100

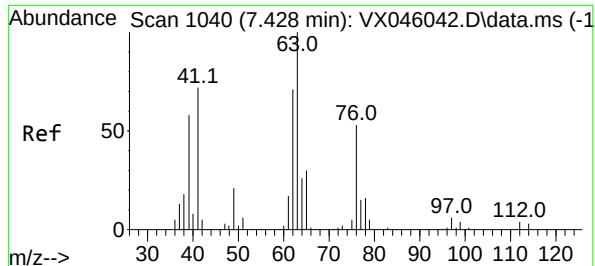
95

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

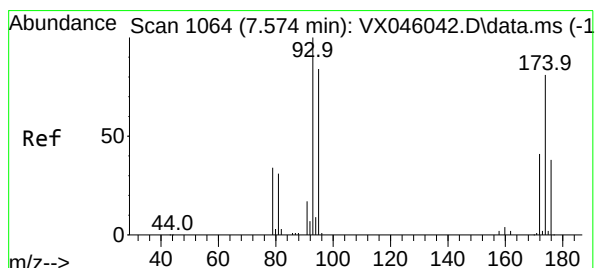
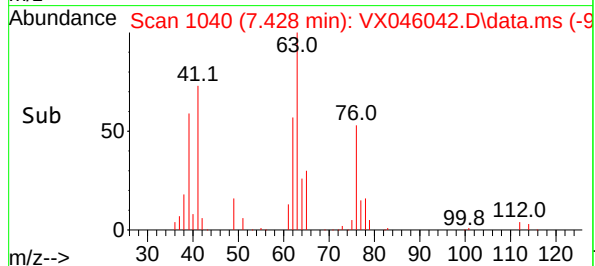
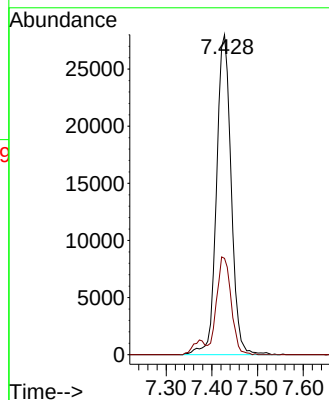
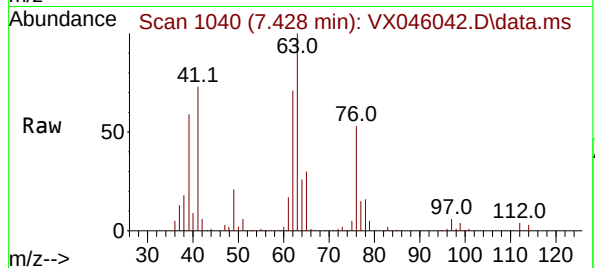
65 30.1 24.1 36.1

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

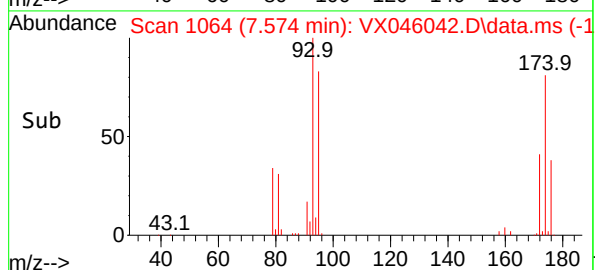
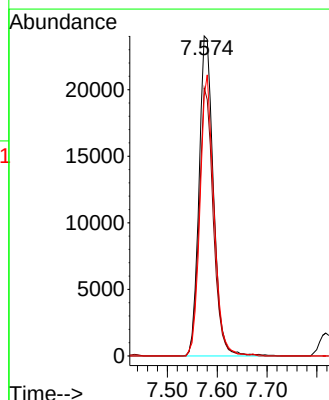
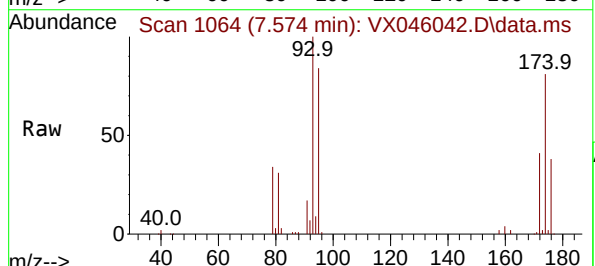
Tgt Ion: 93 Resp: 48201

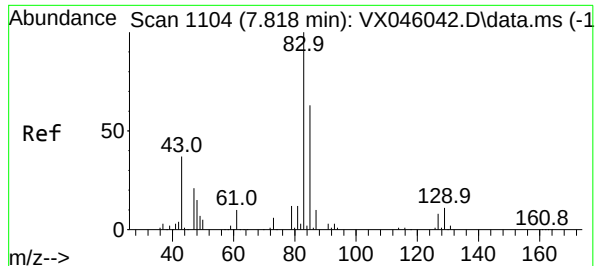
Ion Ratio Lower Upper

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

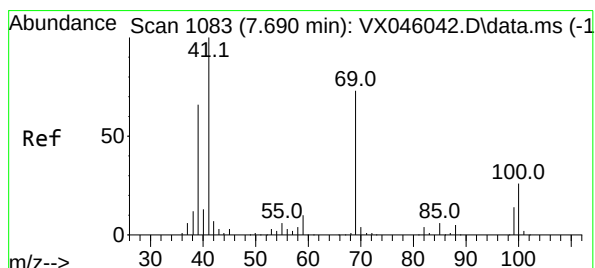
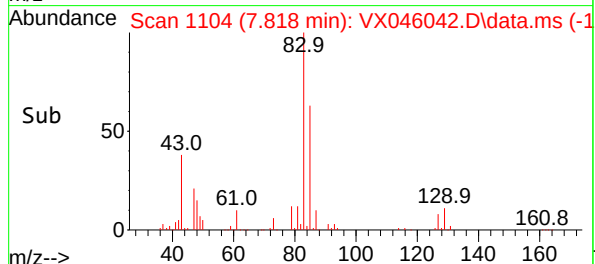
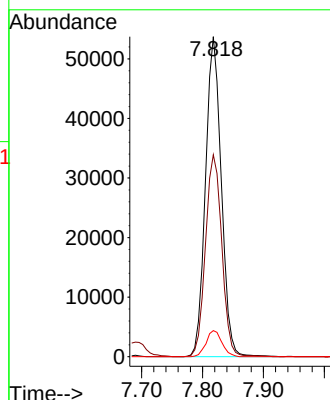
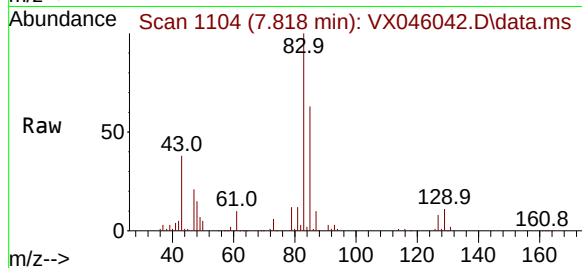
Tgt Ion:	83	Resp:	96910
Ion	Ratio	Lower	Upper
83	100		
85	63.1	50.5	75.7
127	8.1	6.5	9.7

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

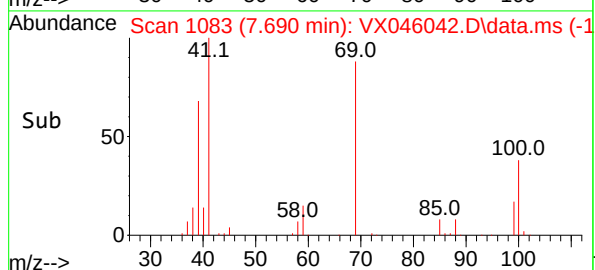
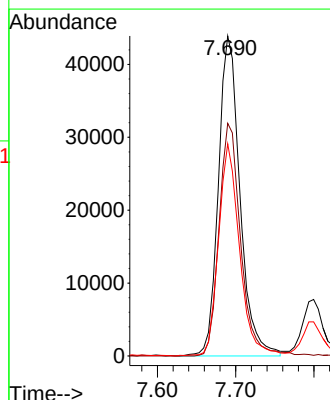
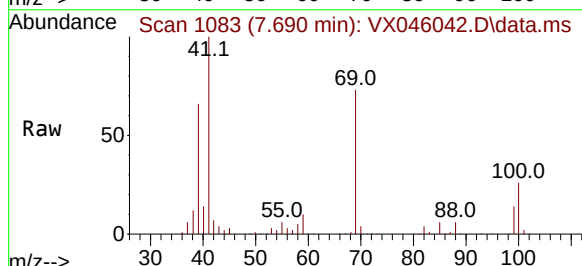
RT: 7.690 min Scan# 1083

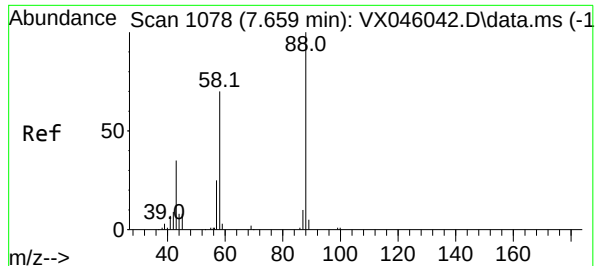
Delta R.T. 0.000 min

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

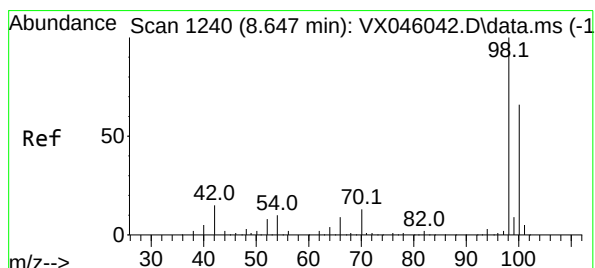
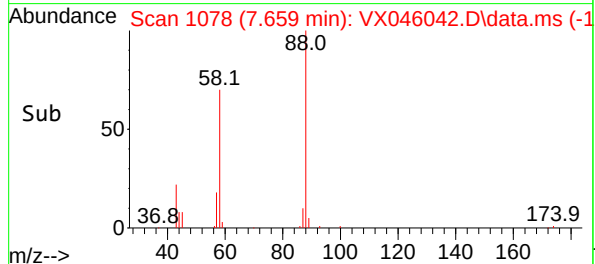
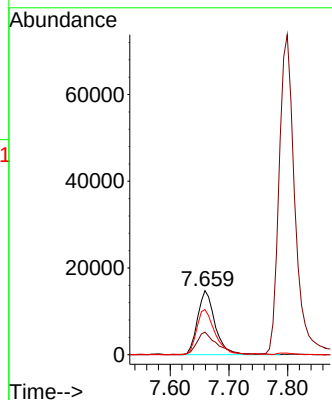
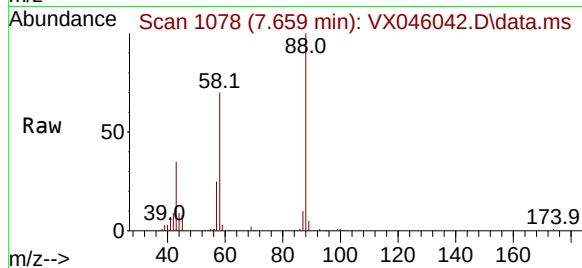
Tgt Ion:	88	Resp:	30529
Ion	Ratio	Lower	Upper
88	100		
43	41.8	33.4	50.2
58	73.3	58.6	88.0

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

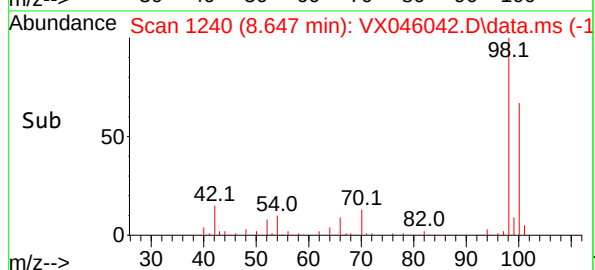
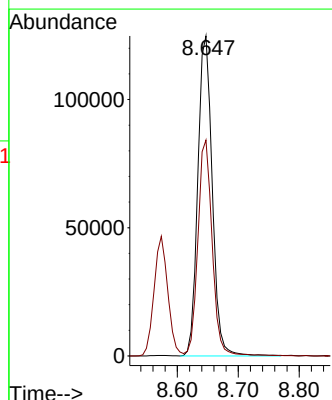
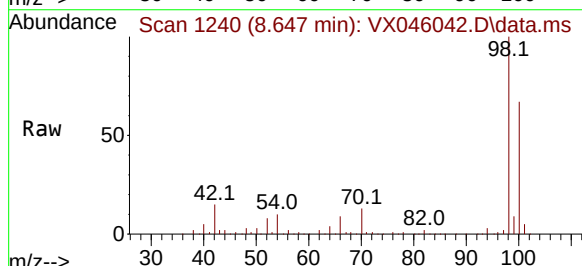
RT: 8.647 min Scan# 1240

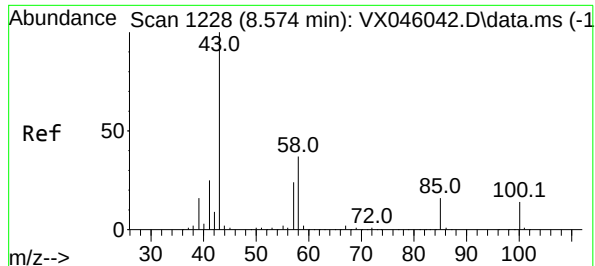
Delta R.T. 0.000 min

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

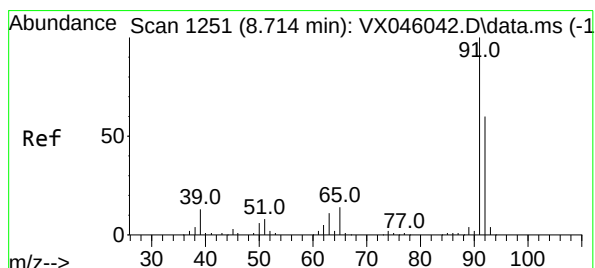
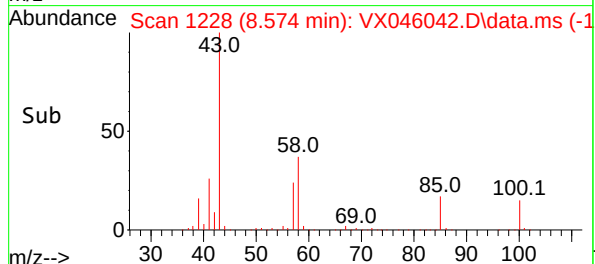
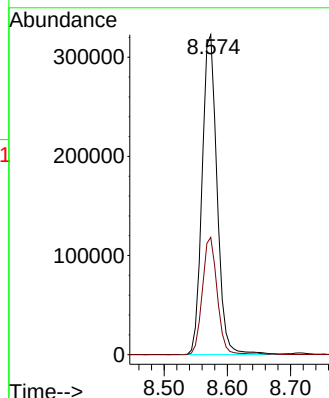
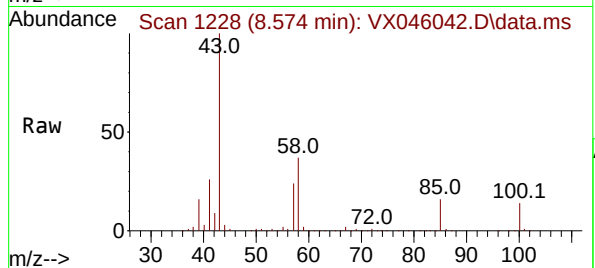
58 36.1 28.9 43.3

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

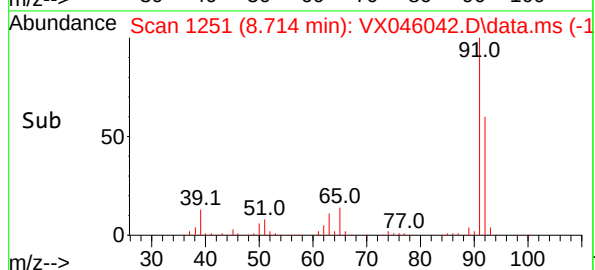
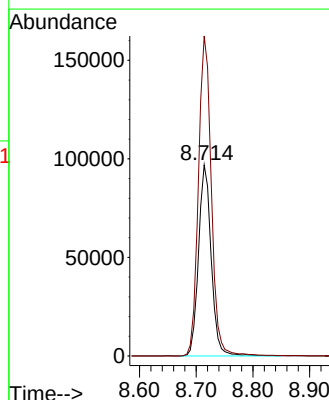
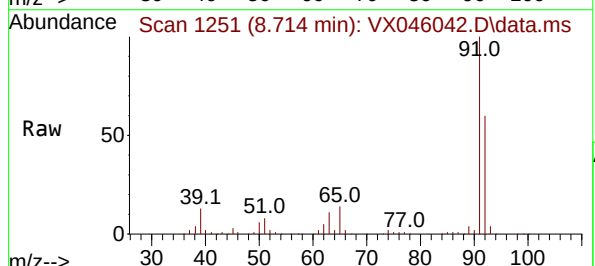
Acq: 05 May 2025 11:58

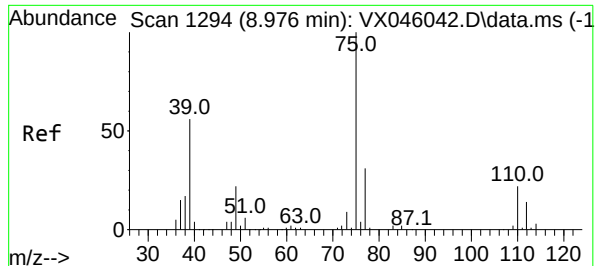
Tgt Ion: 92 Resp: 150757

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

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 75 Resp: 8865

Ion Ratio Lower Upper

75 100

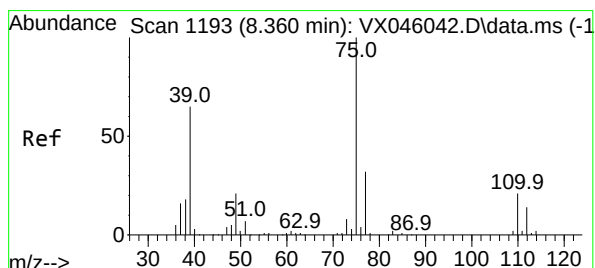
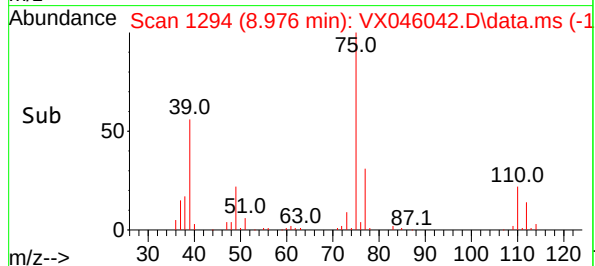
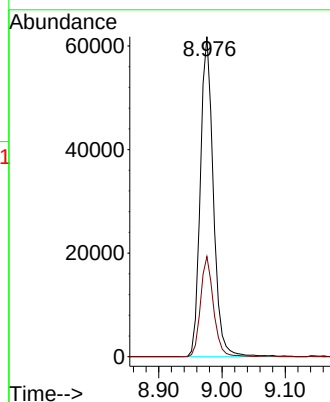
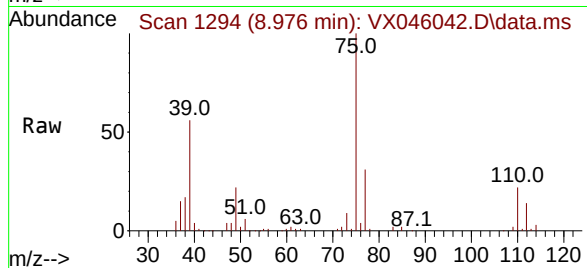
77 31.3 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#54

cis-1,3-Dichloropropene

Concen: 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

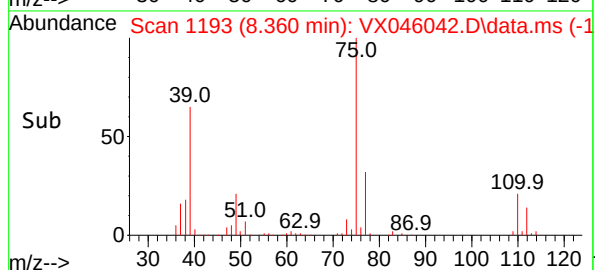
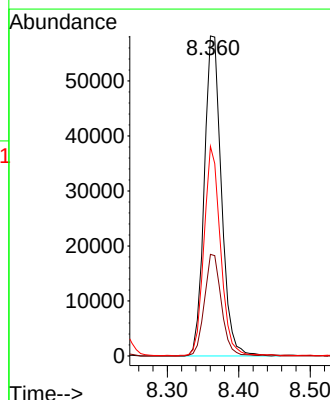
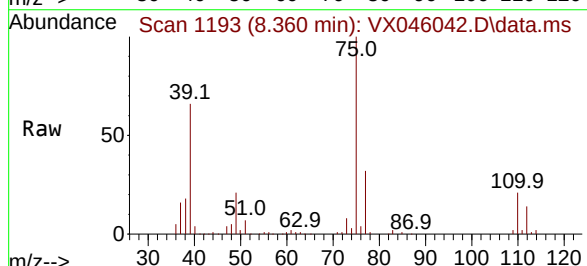
Tgt Ion: 75 Resp: 97031

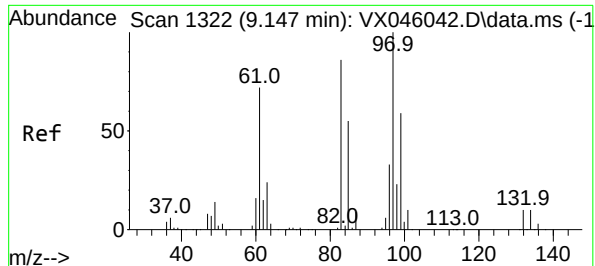
Ion Ratio Lower Upper

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

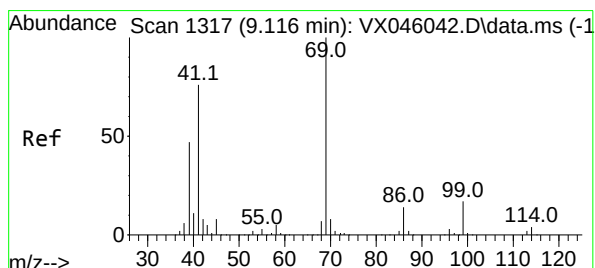
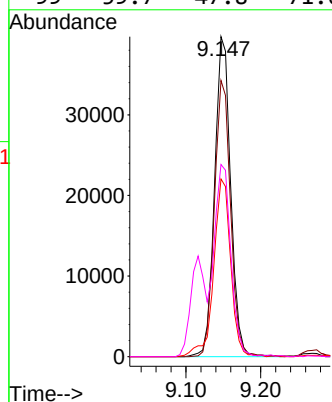
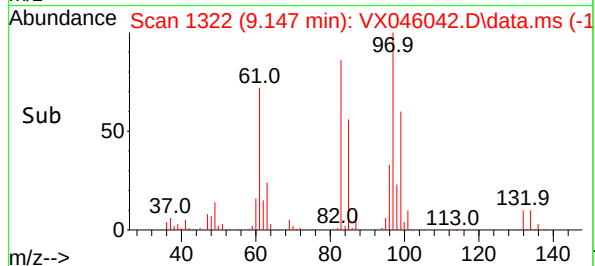
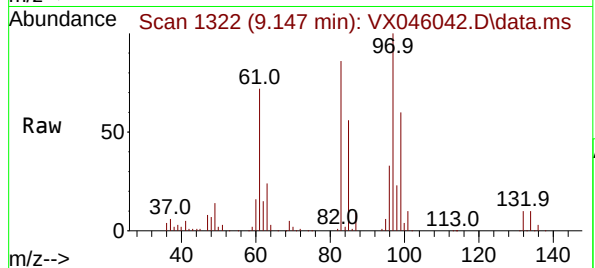
99 59.7 47.8 71.6

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

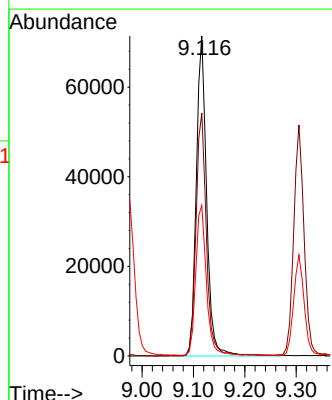
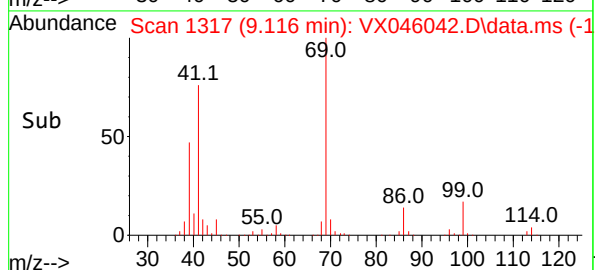
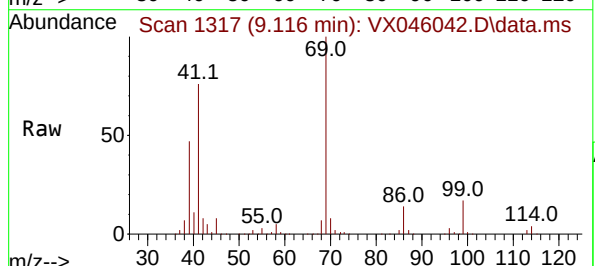
Tgt Ion: 69 Resp: 99947

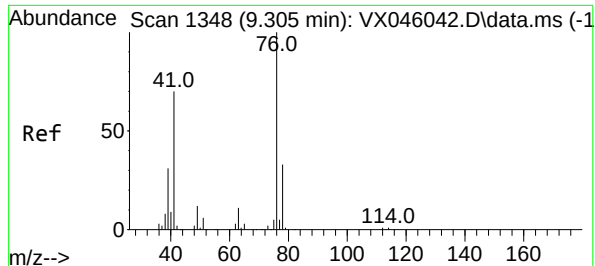
Ion Ratio Lower Upper

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

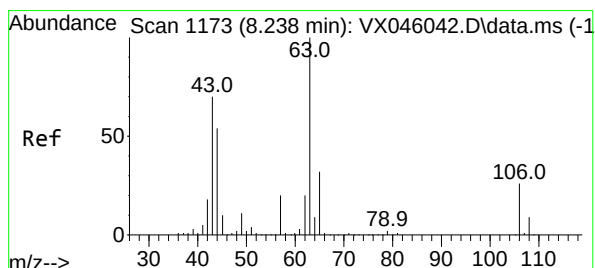
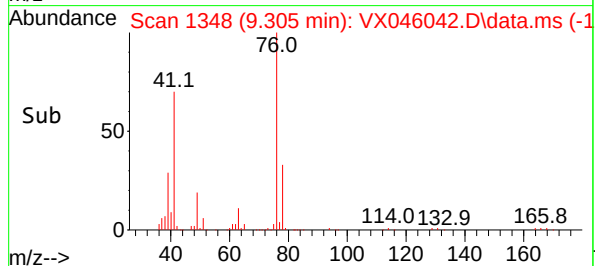
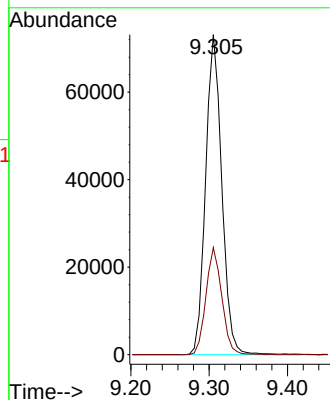
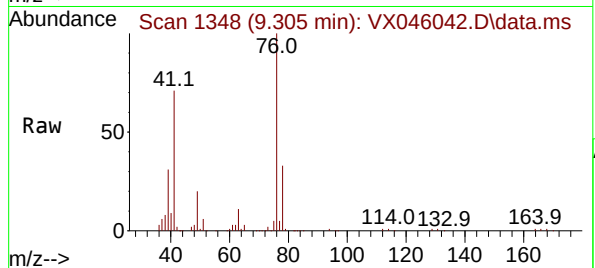
78 32.9 26.3 39.5

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

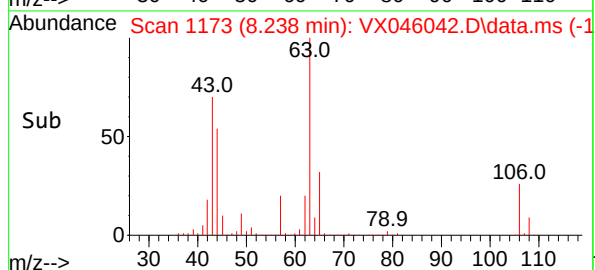
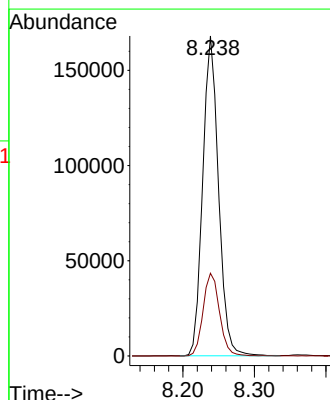
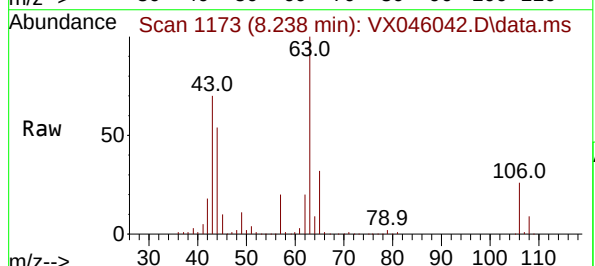
Acq: 05 May 2025 11:58

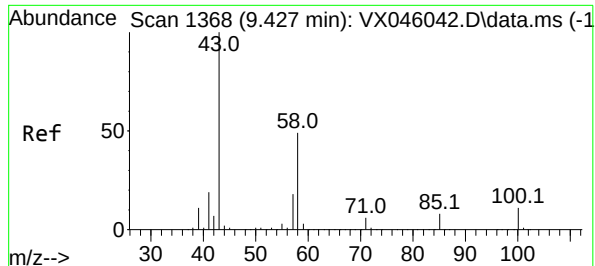
Tgt Ion: 63 Resp: 257678

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

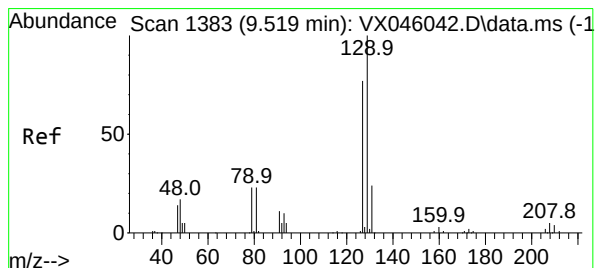
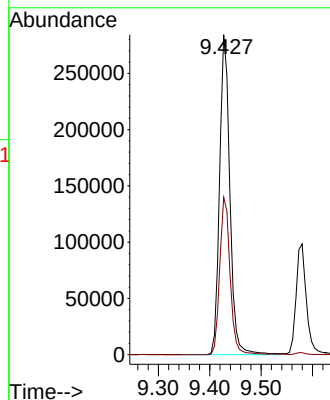
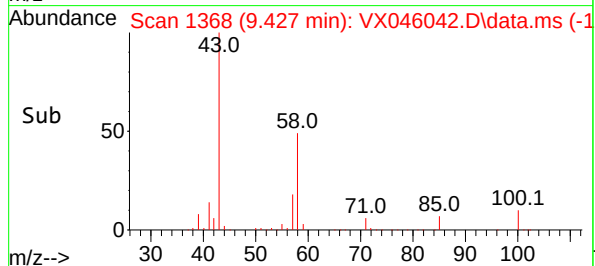
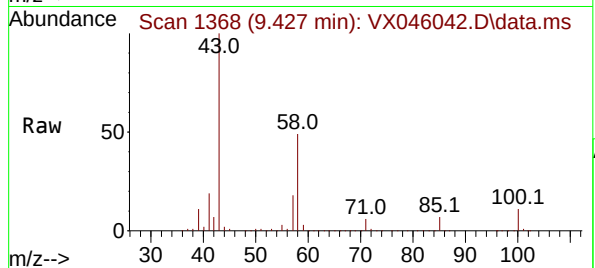
58 49.7 24.9 74.6

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

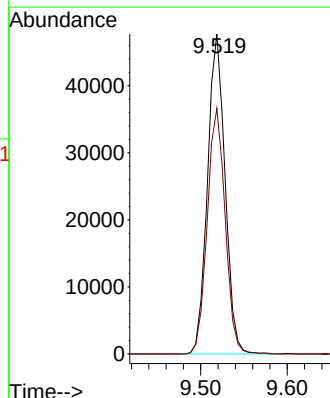
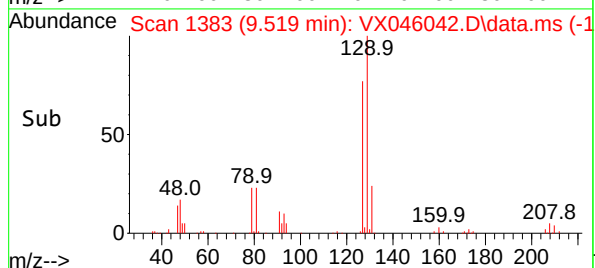
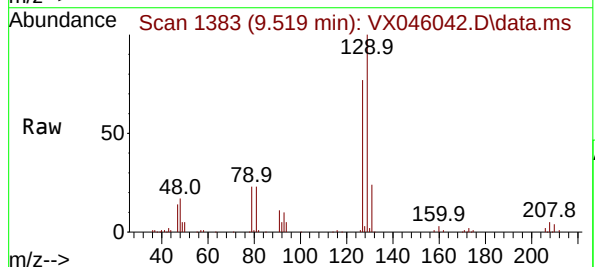
Acq: 05 May 2025 11:58

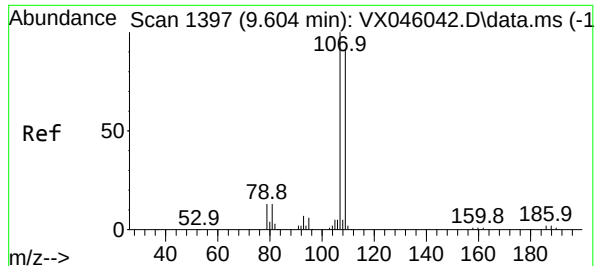
Tgt Ion:129 Resp: 67198

Ion Ratio Lower Upper

129 100

127 78.5 39.3 117.8





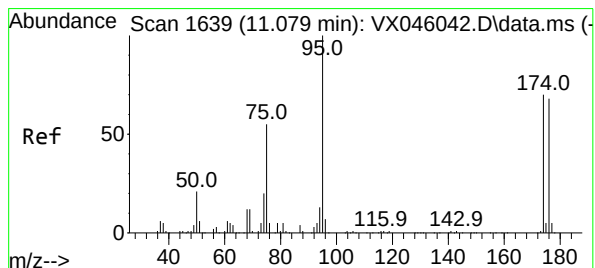
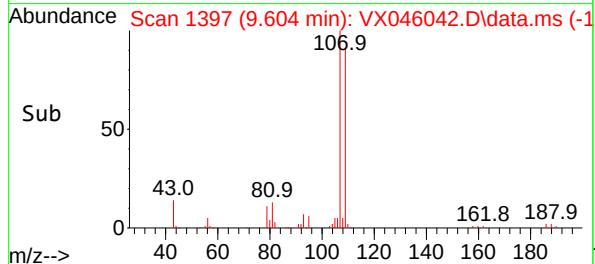
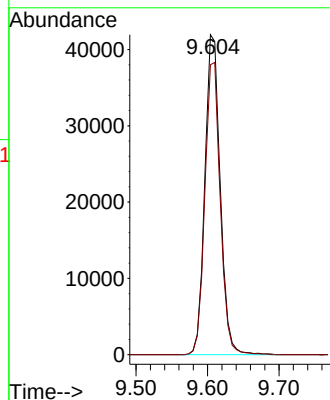
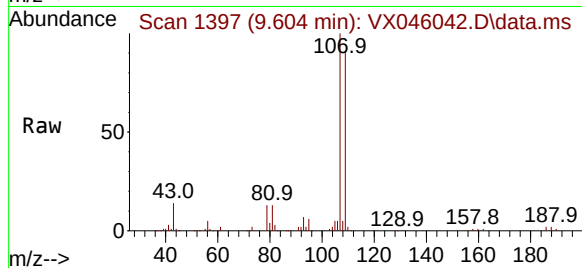
#61
1,2-Dibromoethane
Concen: 37.567 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 6263
Ion Ratio Lower Upper
107 100
109 91.6 73.3 109.9

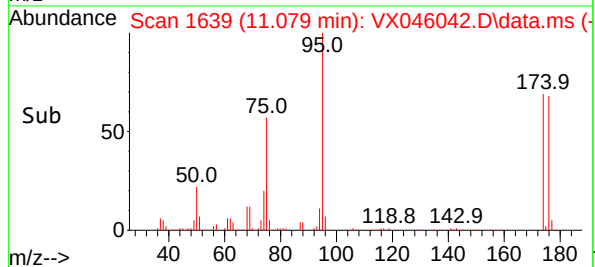
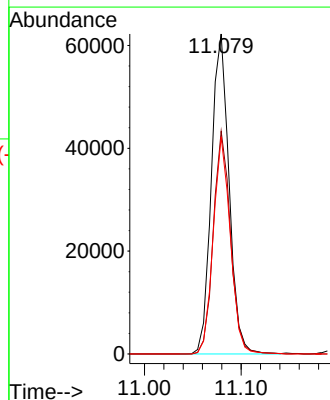
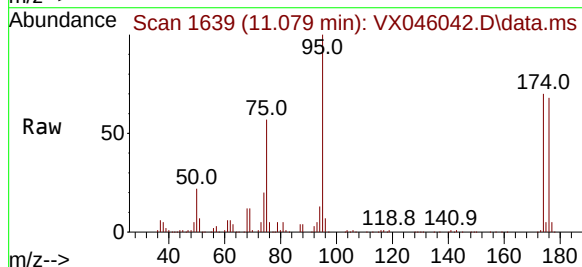
Manual Integrations
APPROVED

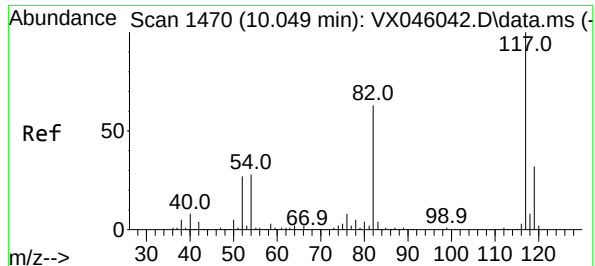
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

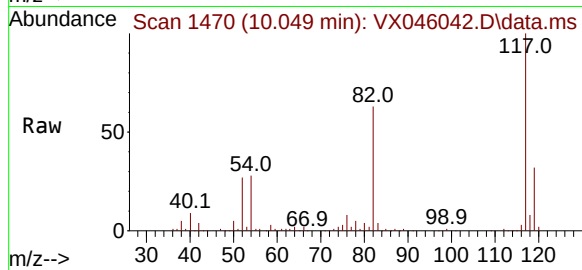
Tgt Ion: 95 Resp: 79012
Ion Ratio Lower Upper
95 100
174 67.9 0.0 135.8
176 65.7 0.0 131.4





#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

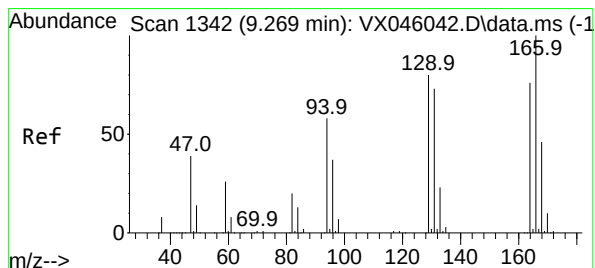
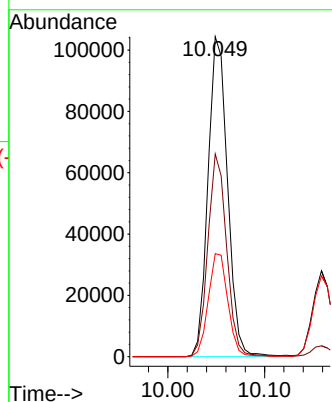
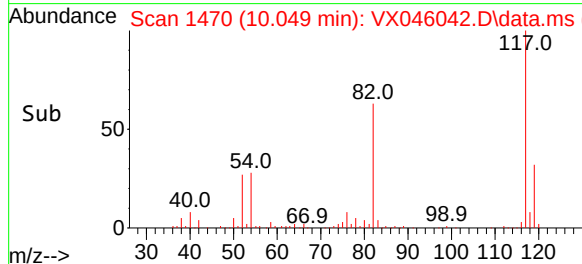
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



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

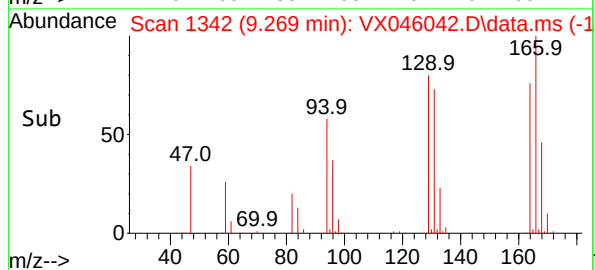
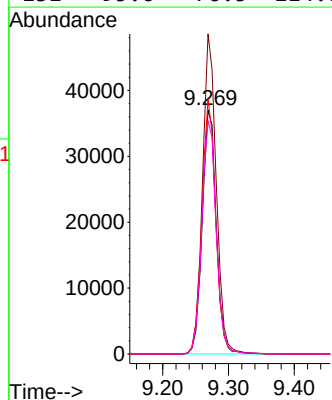
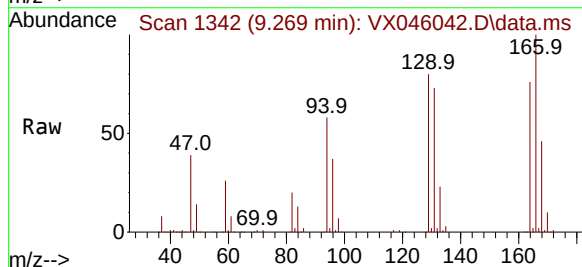
Manual Integrations
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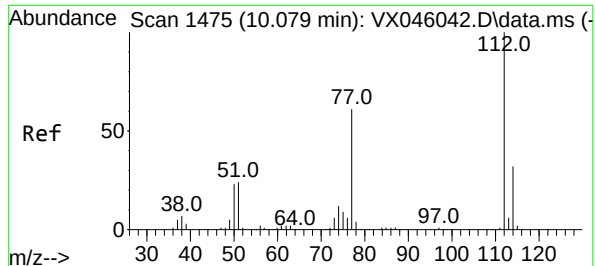
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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





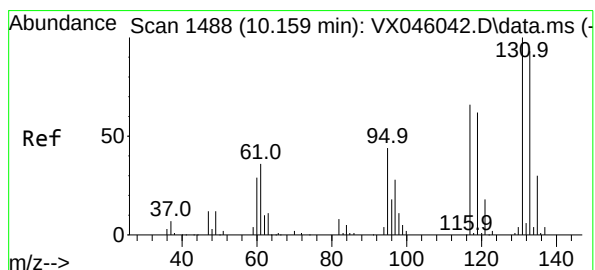
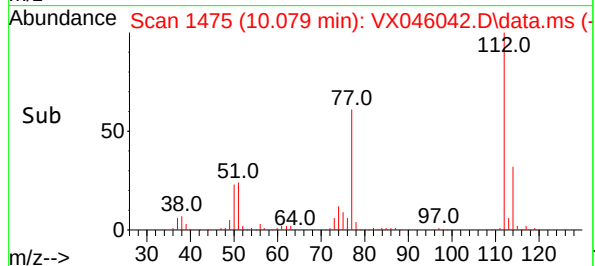
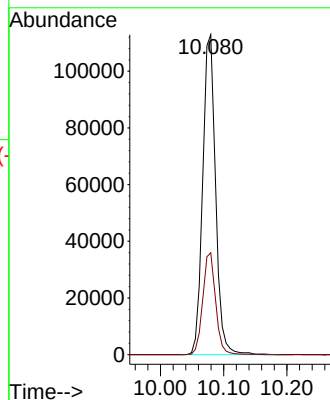
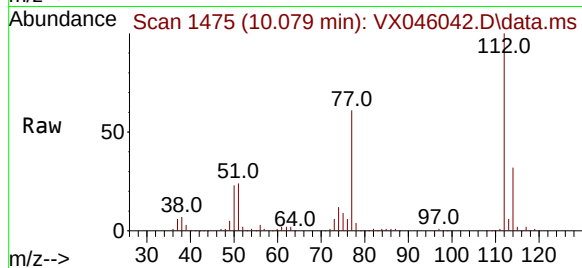
#65
Chlorobenzene
Concen: 35.686 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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

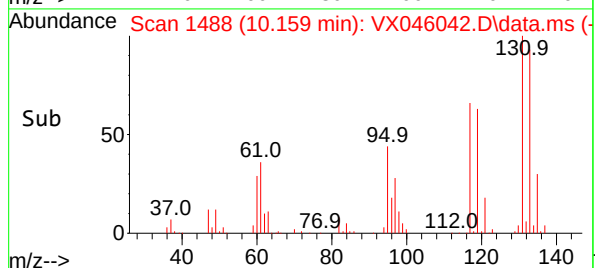
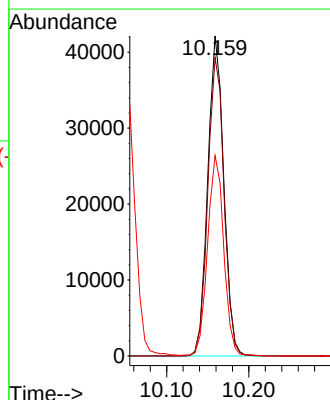
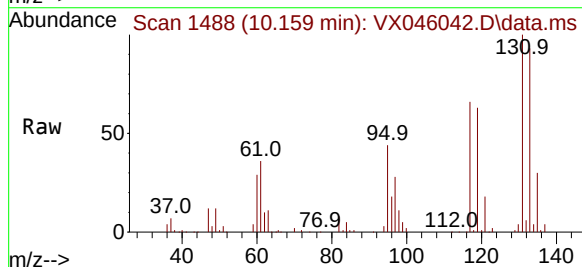
Manual Integrations
APPROVED

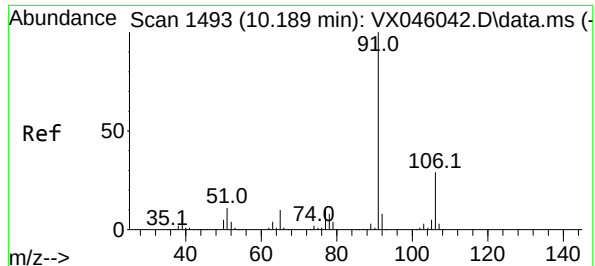
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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: 29571

Ion Ratio Lower Upper

91 100

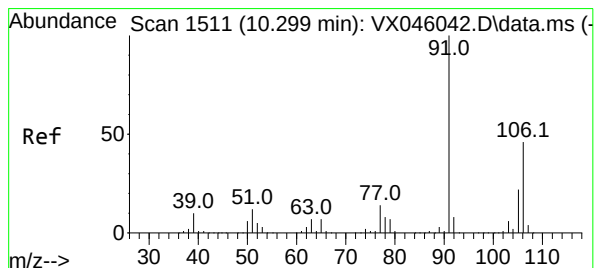
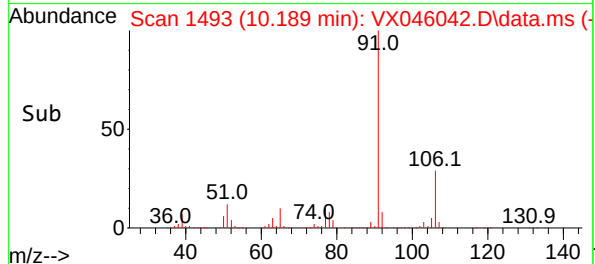
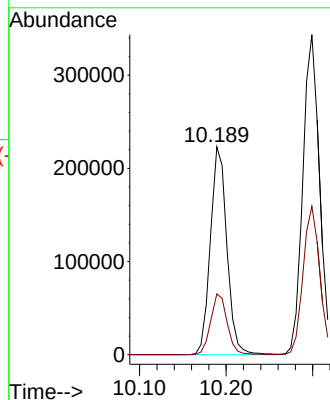
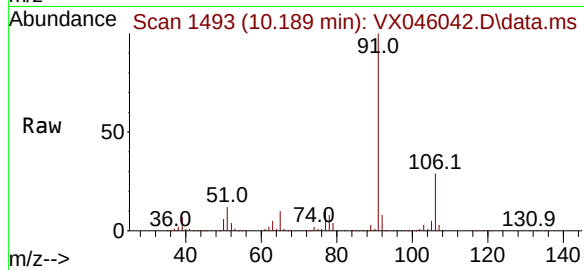
106 29.3 23.4 35.2

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

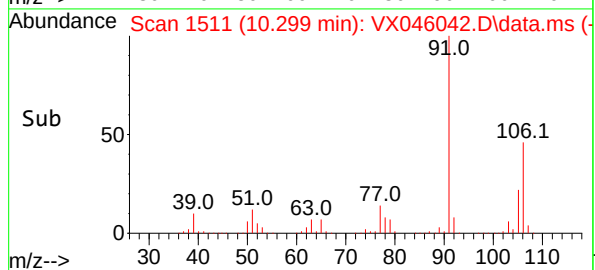
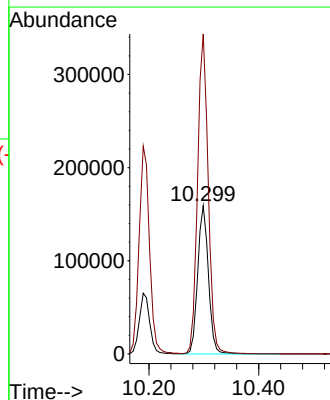
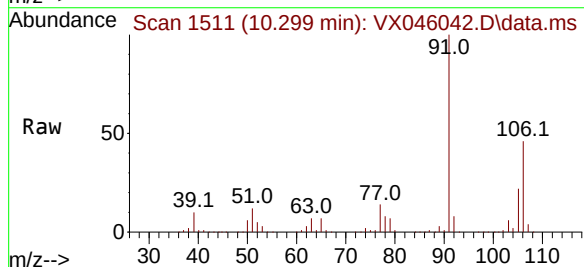
Acq: 05 May 2025 11:58

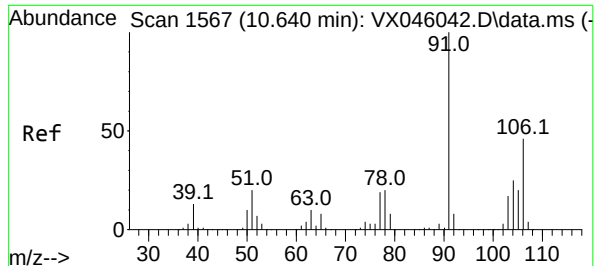
Tgt Ion:106 Resp: 216578

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

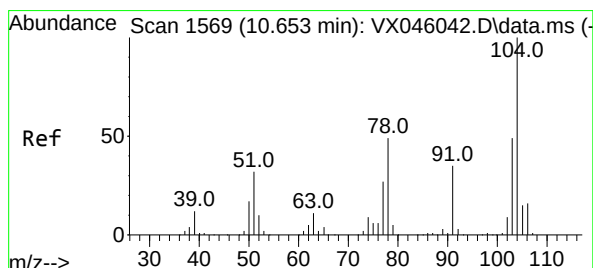
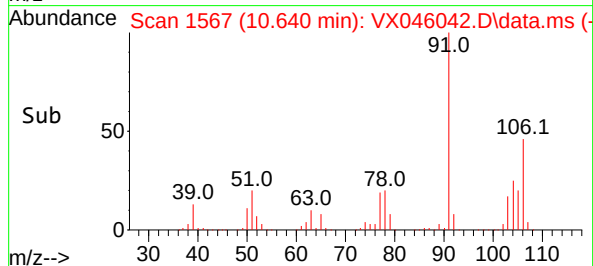
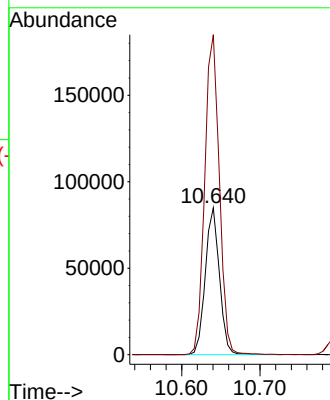
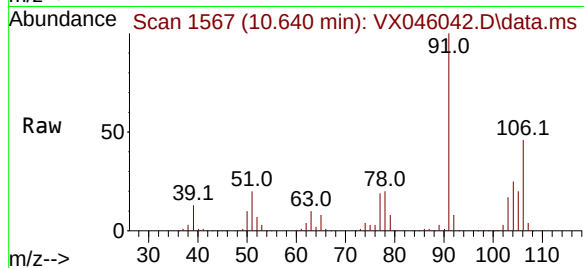
91 225.4 112.7 338.1

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

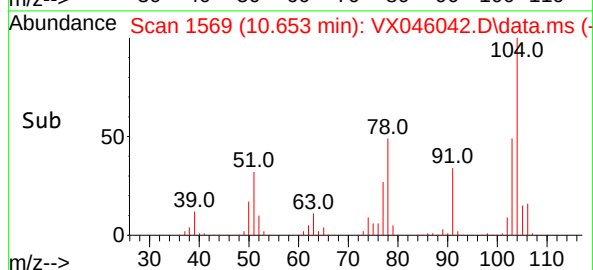
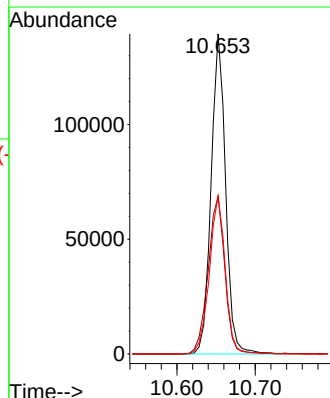
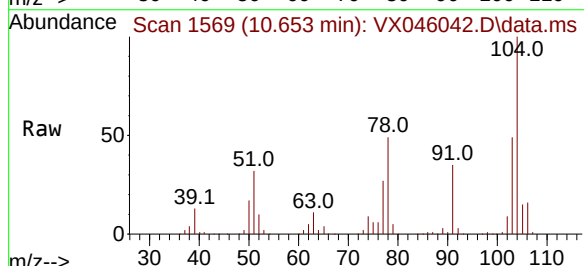
Tgt Ion:104 Resp: 178313

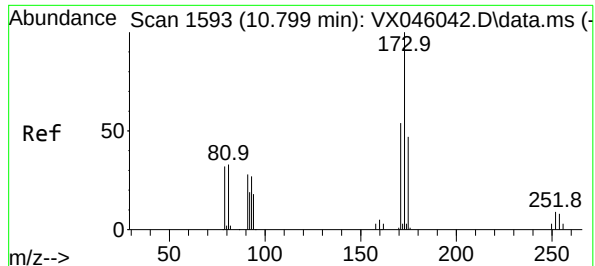
Ion Ratio Lower Upper

104 100

78 57.1 45.7 68.5

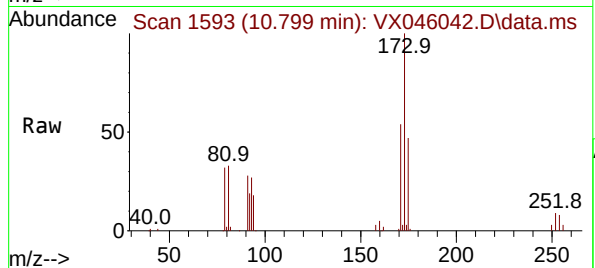
103 54.6 43.7 65.5





#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

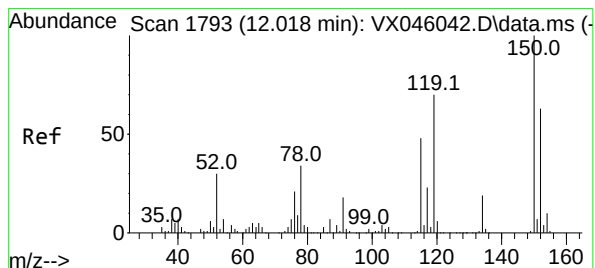
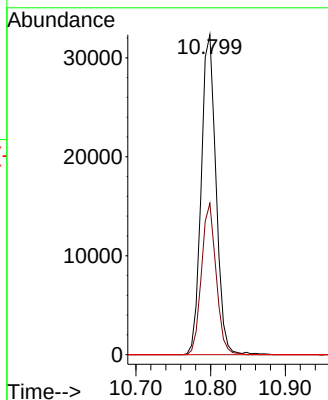
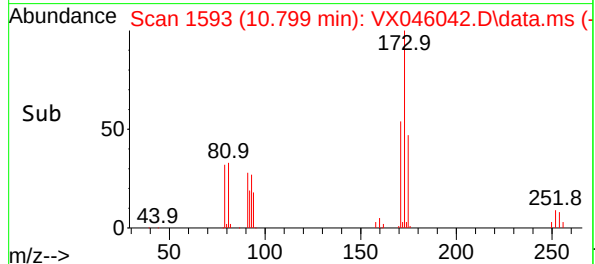
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



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

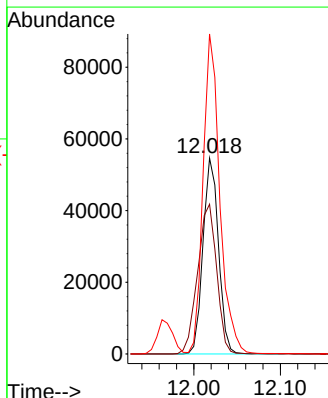
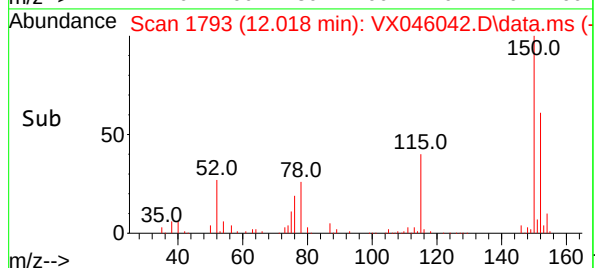
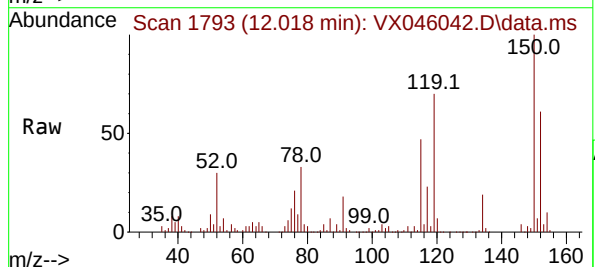
Manual Integrations
APPROVED

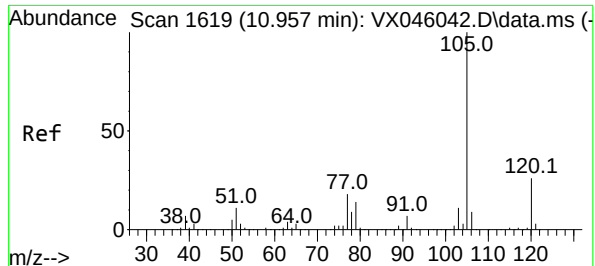
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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





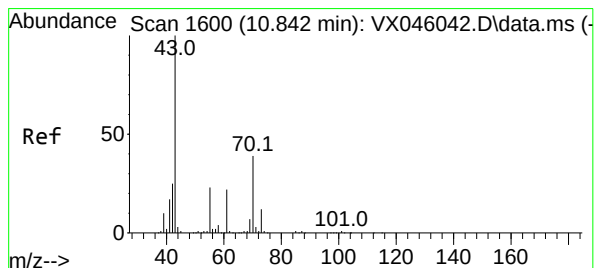
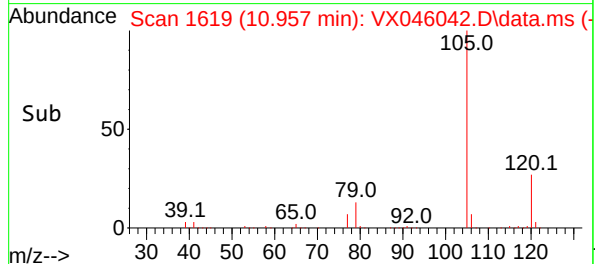
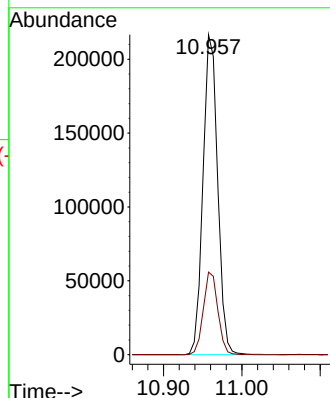
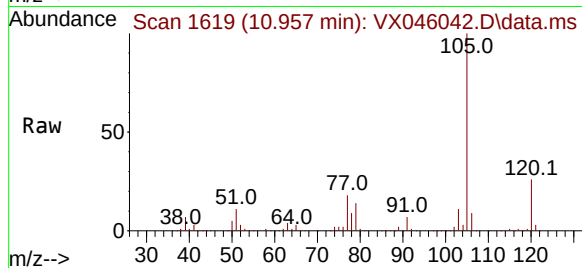
#73
Isopropylbenzene
Concen: 37.865 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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

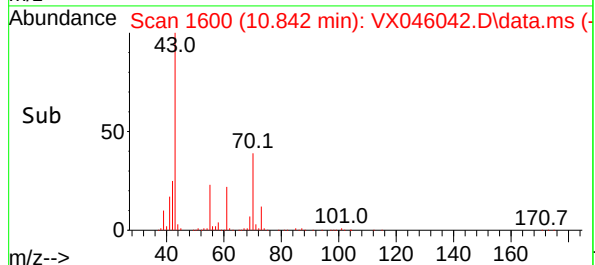
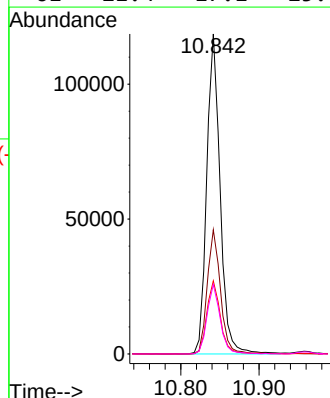
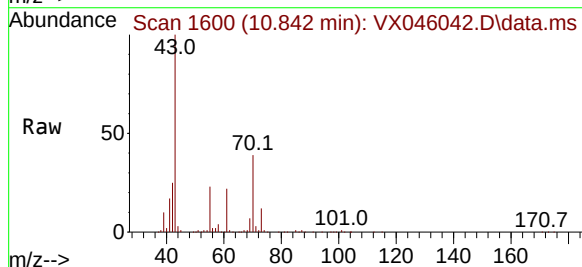
Manual Integrations
APPROVED

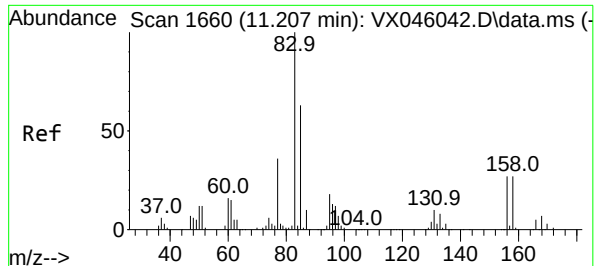
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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





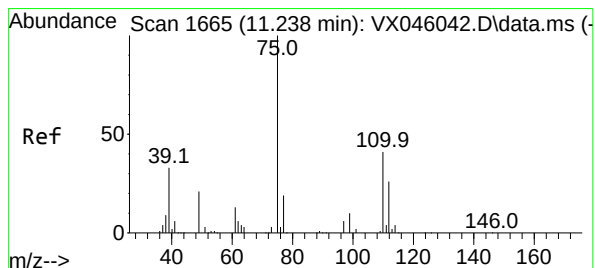
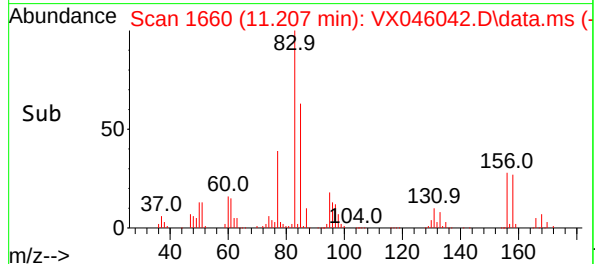
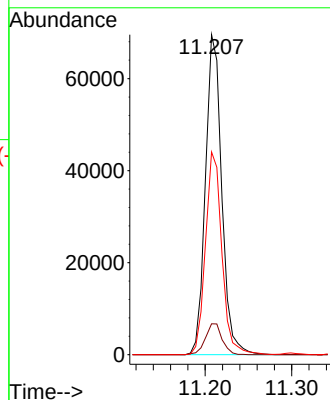
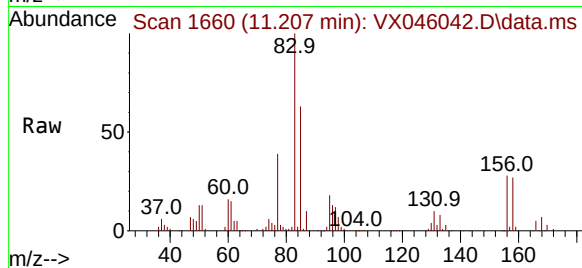
#75
1,1,2,2-Tetrachloroethane
Concen: 34.495 ug/l
RT: 11.207 min Scan# 1660
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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

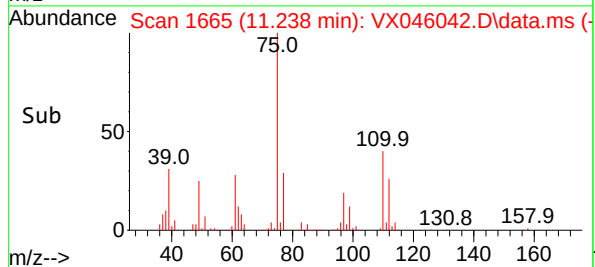
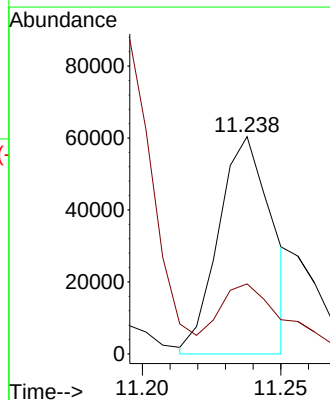
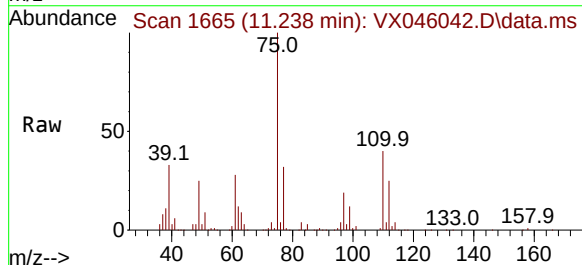
Manual Integrations
APPROVED

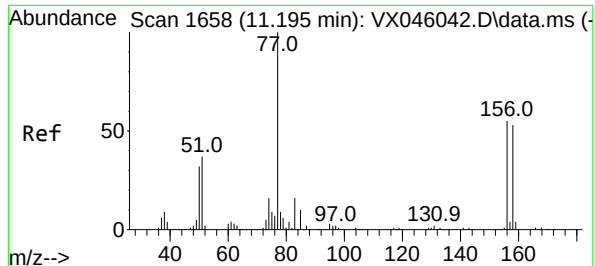
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

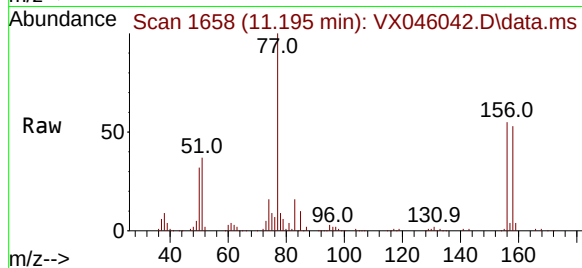
Tgt Ion: 75 Resp: 80678
Ion Ratio Lower Upper
75 100
77 41.0 20.5 61.5





#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

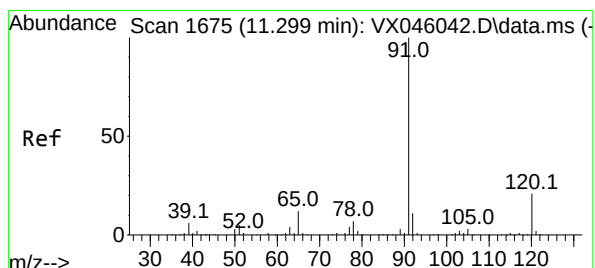
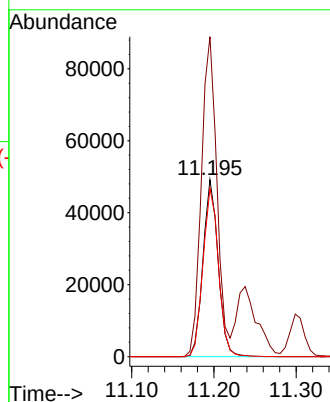
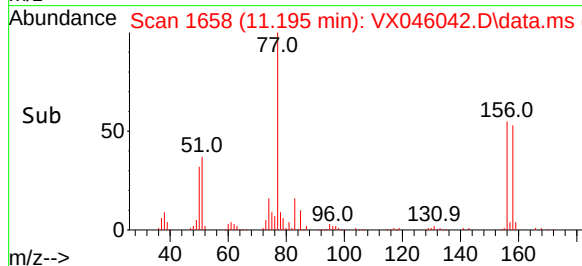
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



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

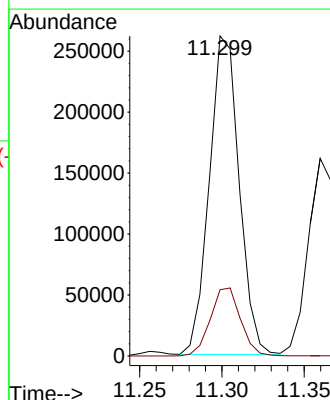
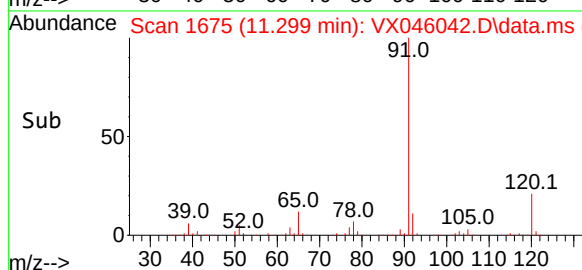
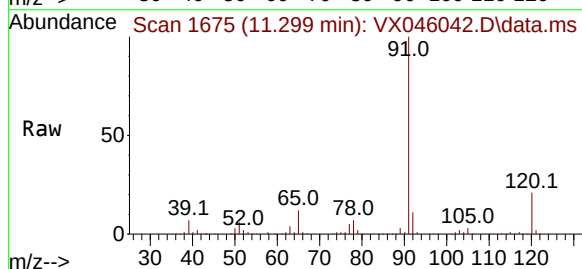
Manual Integrations
APPROVED

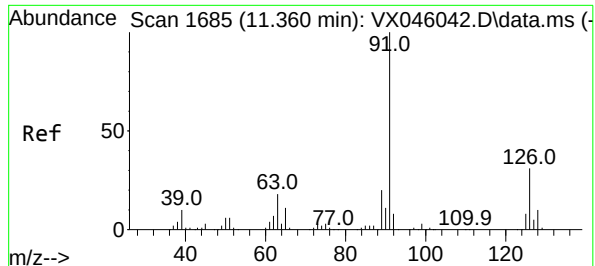
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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





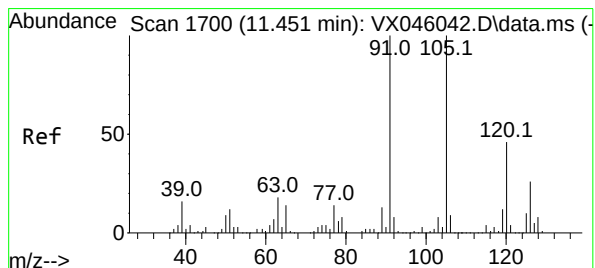
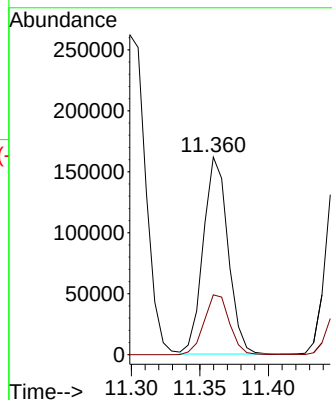
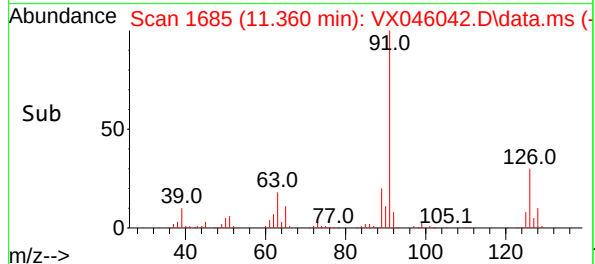
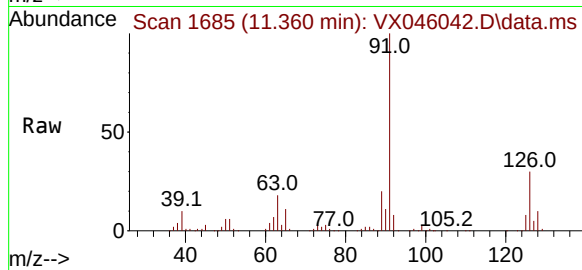
#79
2-Chlorotoluene
Concen: 36.336 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 203509
Ion Ratio Lower Upper
91 100
126 31.1 15.6 46.7

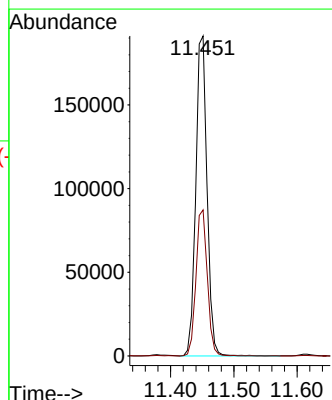
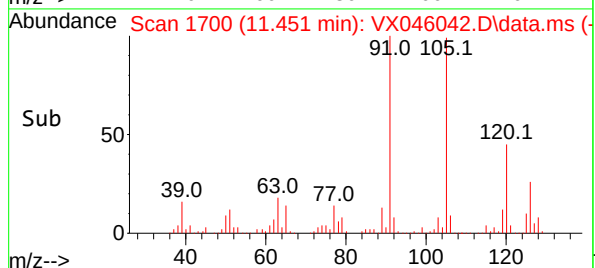
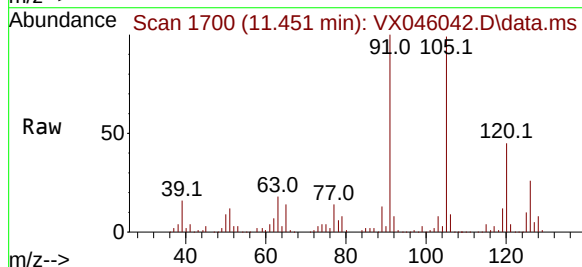
Manual Integrations
APPROVED

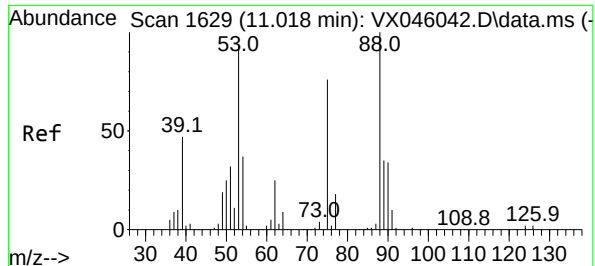
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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





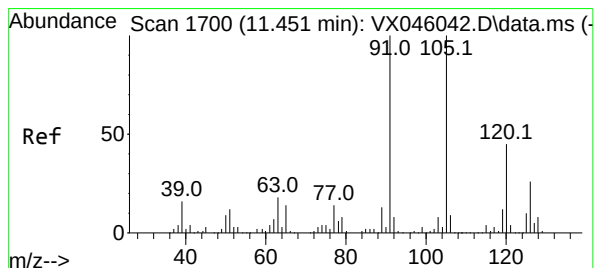
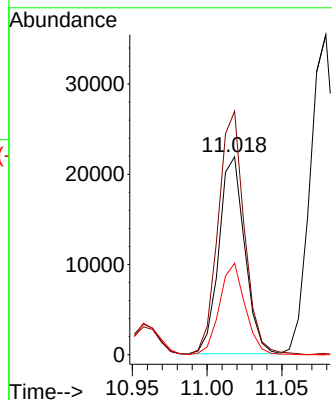
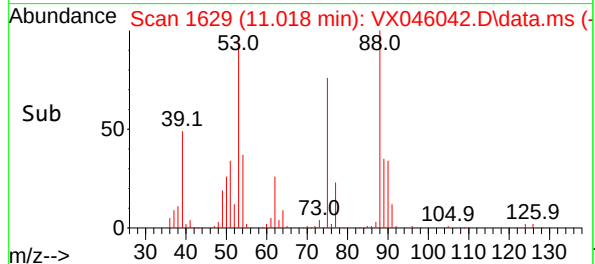
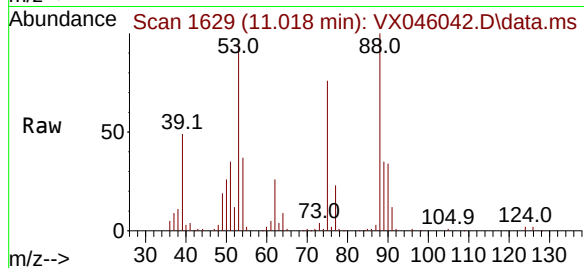
#81
trans-1,4-Dichloro-2-butene
Concen: 38.445 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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

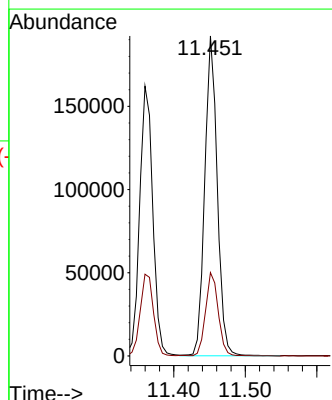
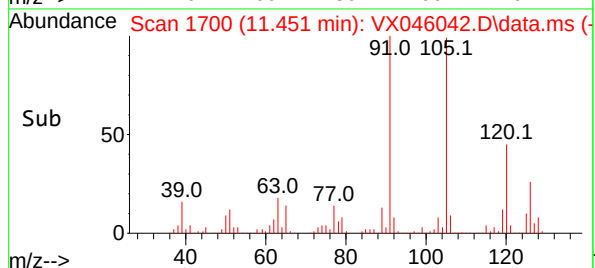
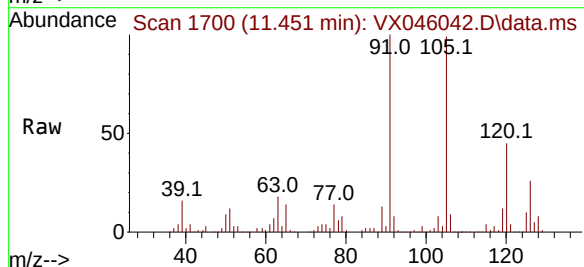
Manual Integrations
APPROVED

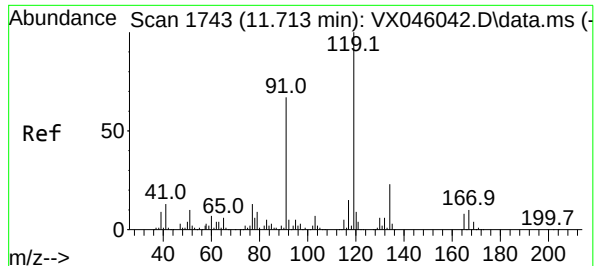
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

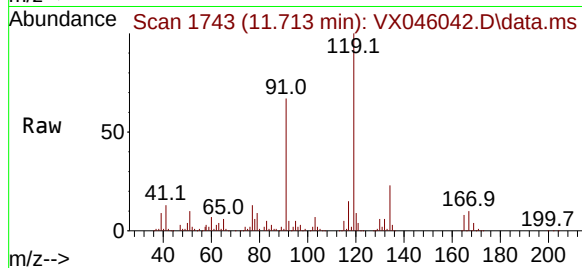
Tgt Ion: 91 Resp: 233172
Ion Ratio Lower Upper
91 100
126 26.5 13.3 39.8





#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

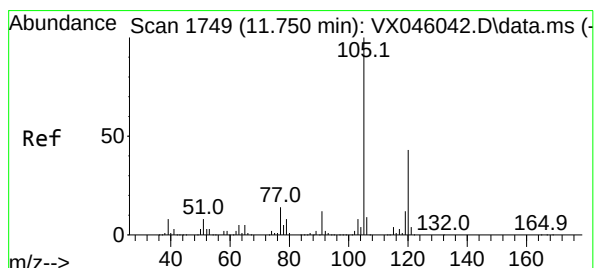
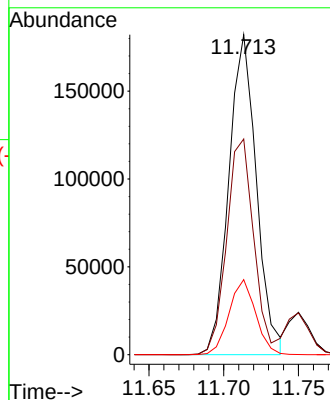
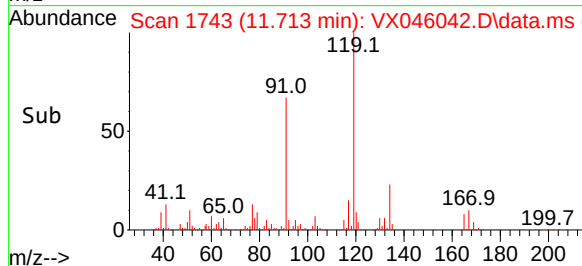
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



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

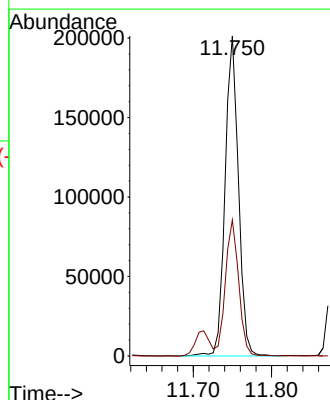
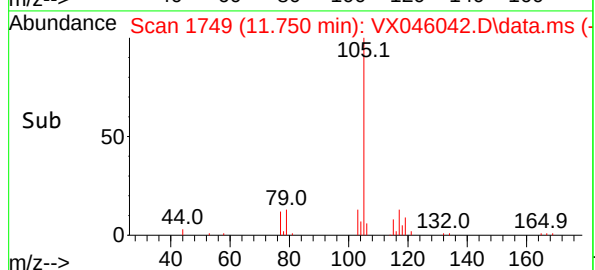
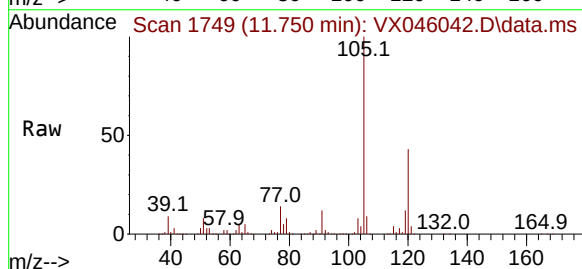
Manual Integrations
APPROVED

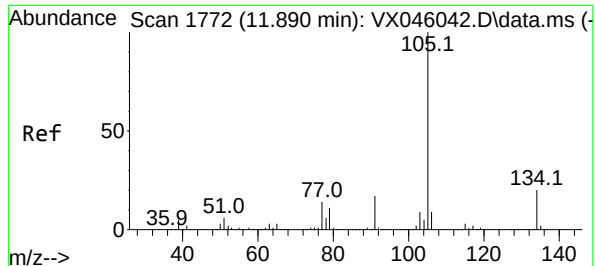
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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





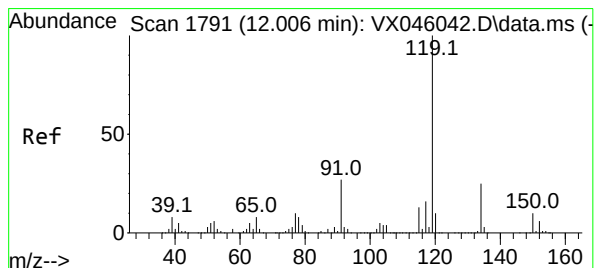
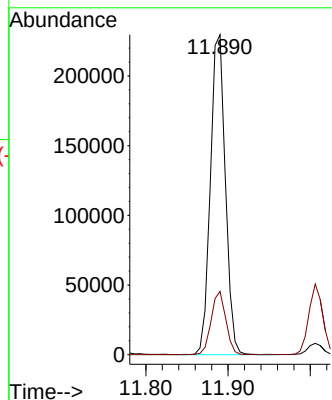
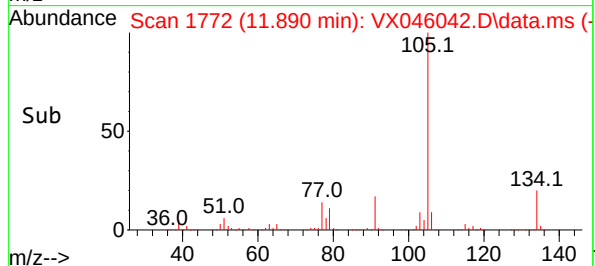
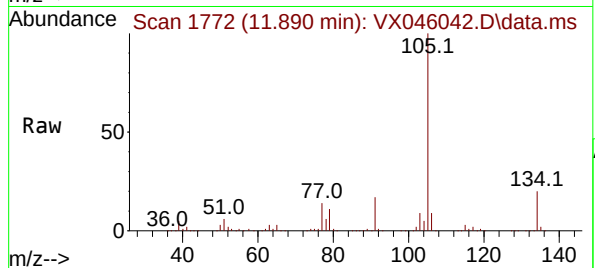
#85
sec-Butylbenzene
Concen: 38.786 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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

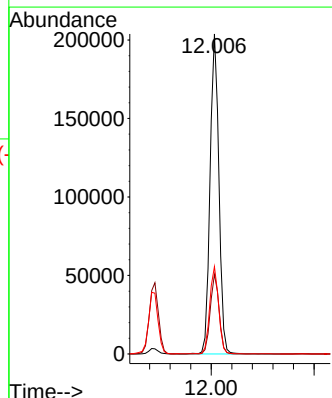
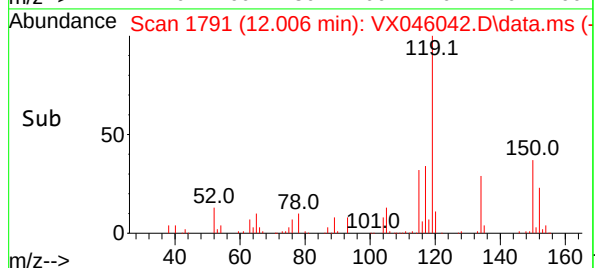
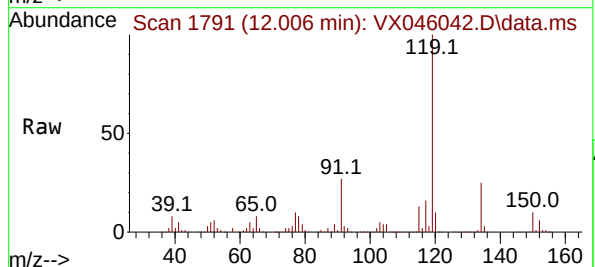
Manual Integrations
APPROVED

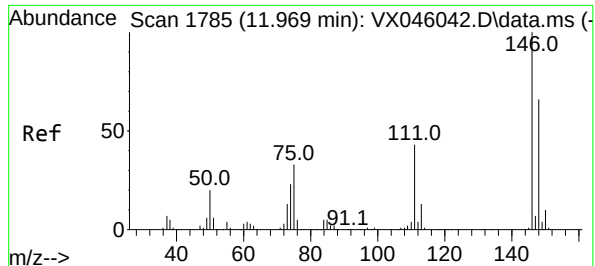
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

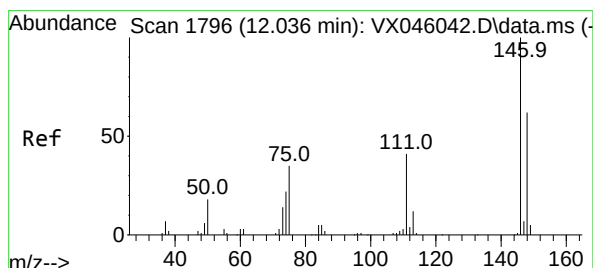
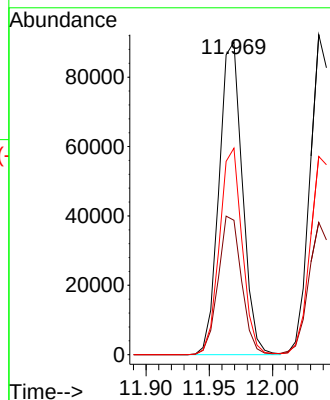
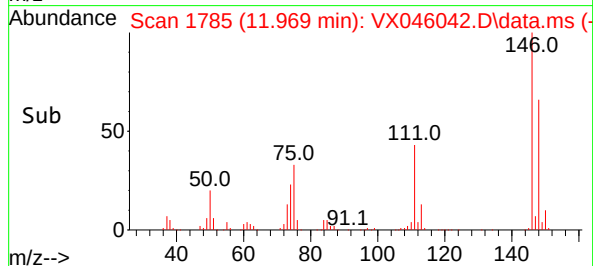
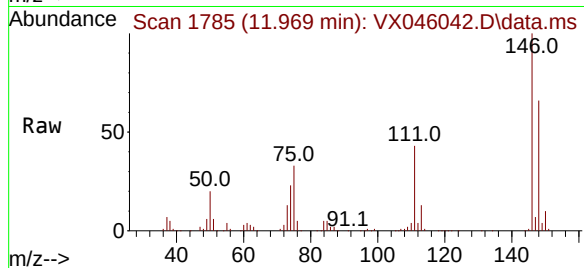
148 64.3 32.1 96.5

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

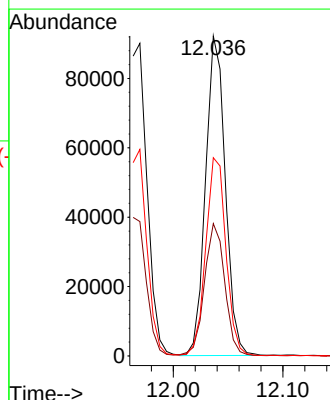
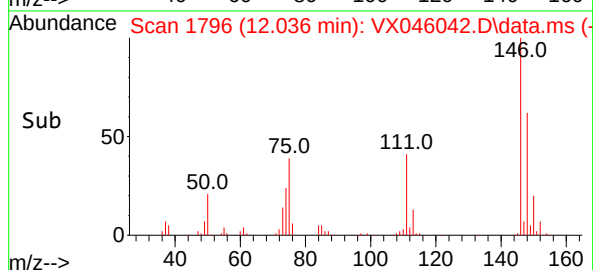
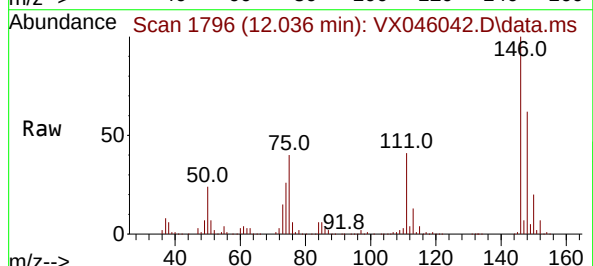
Tgt Ion:146 Resp: 115097

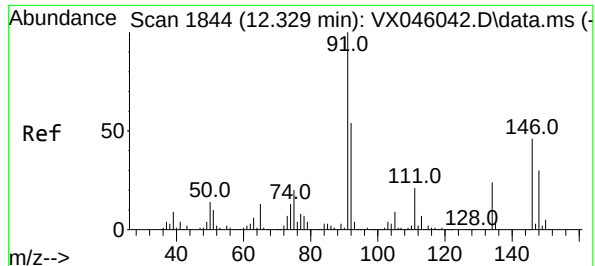
Ion Ratio Lower Upper

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

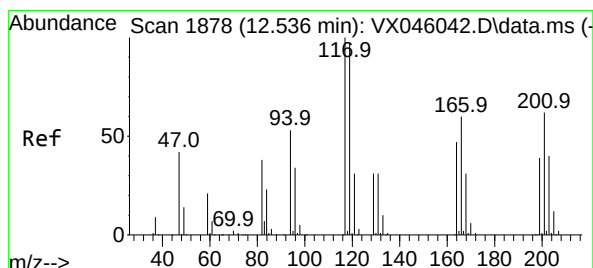
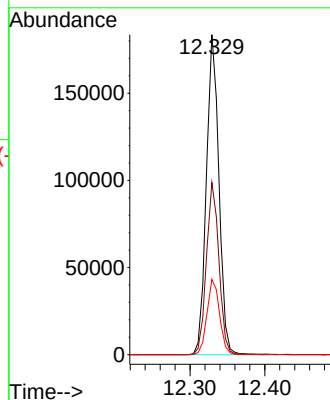
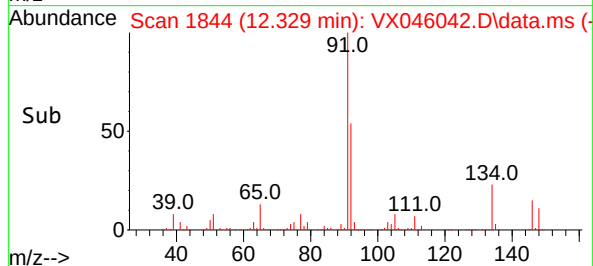
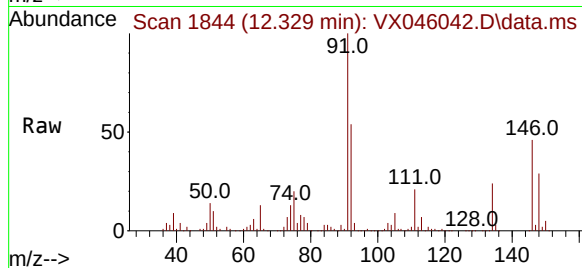
134 23.5 11.8 35.3

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

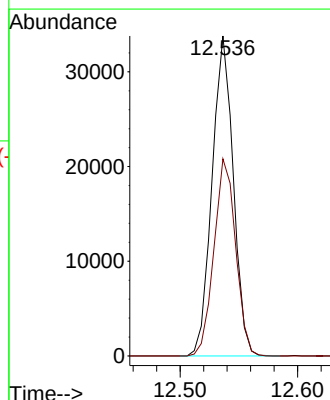
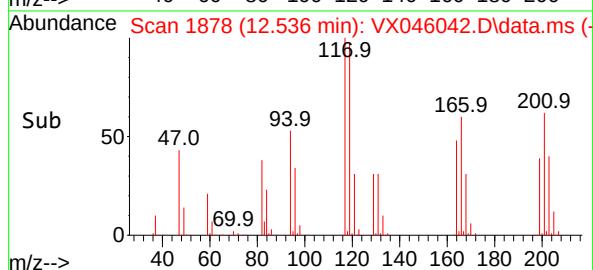
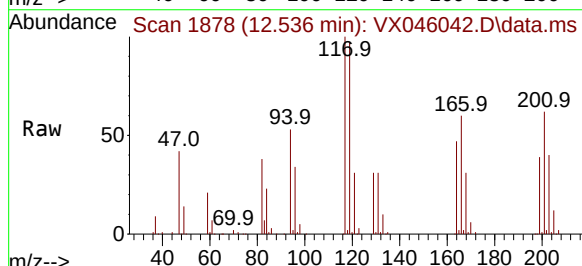
Acq: 05 May 2025 11:58

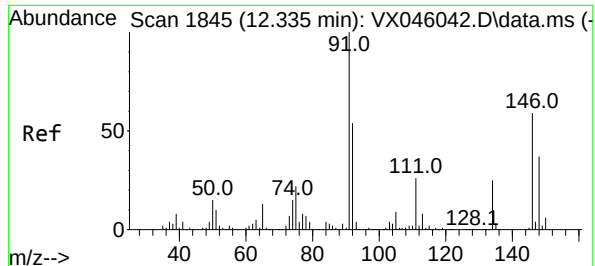
Tgt Ion:117 Resp: 42314

Ion Ratio Lower Upper

117 100

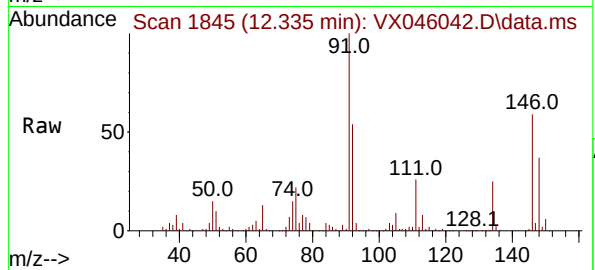
201 63.1 31.6 94.7





#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

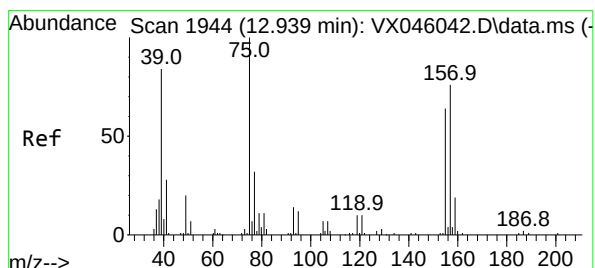
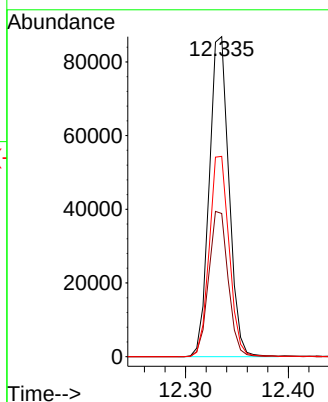
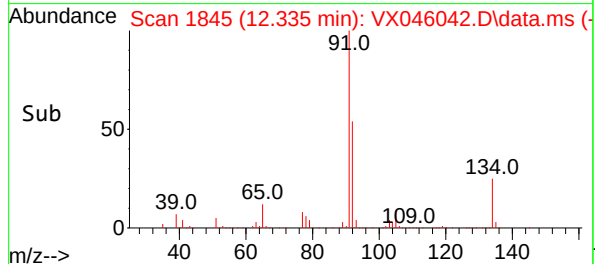
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



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

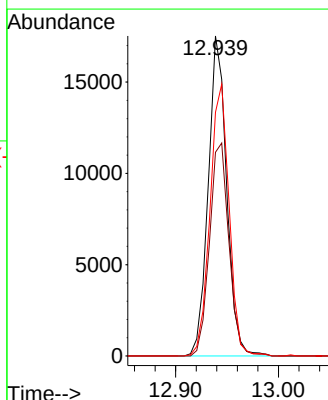
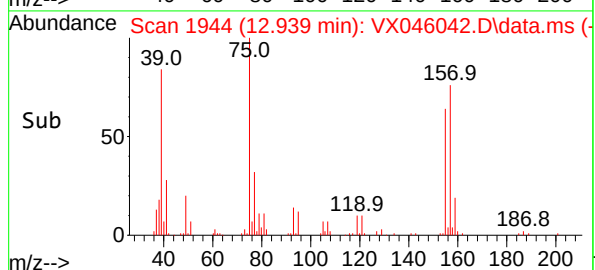
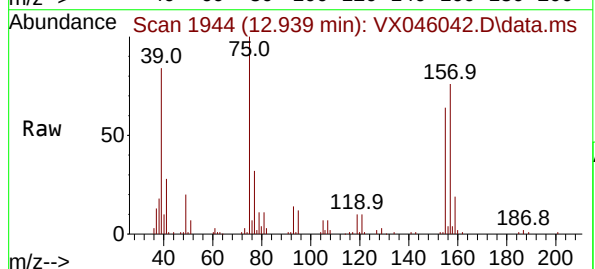
Manual Integrations
APPROVED

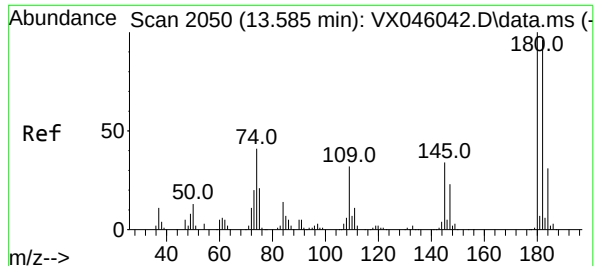
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

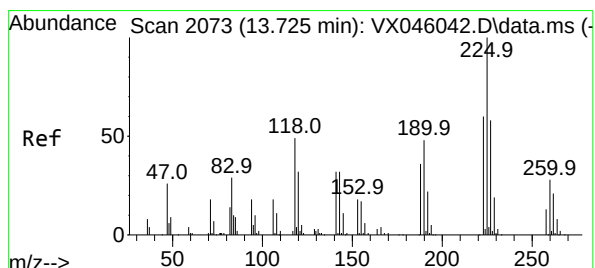
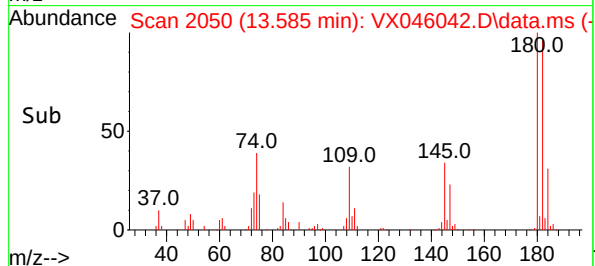
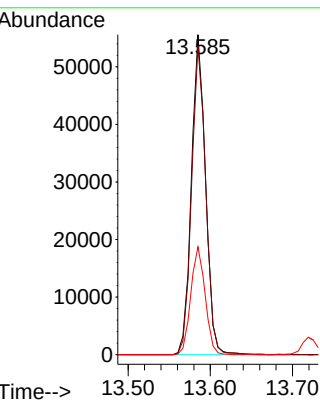
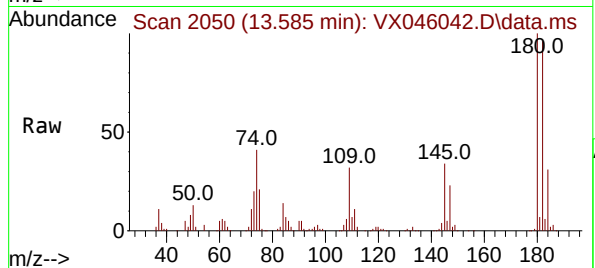
145 34.1 17.1 51.2

Manual Integrations

APPROVED

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

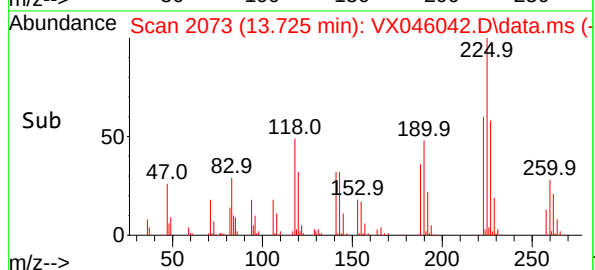
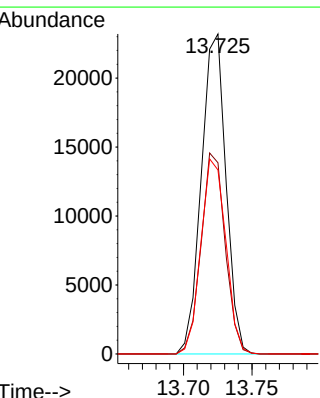
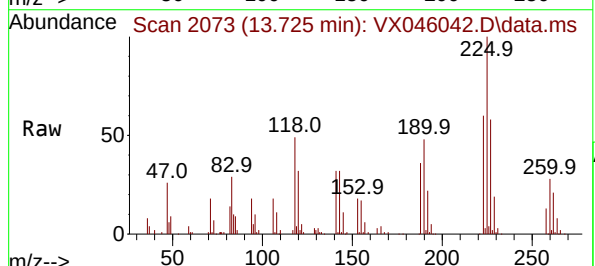
Tgt Ion:225 Resp: 29007

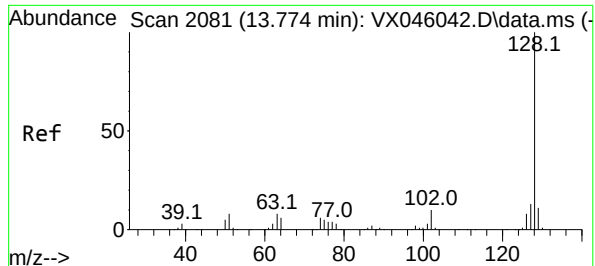
Ion Ratio Lower Upper

225 100

223 61.6 30.8 92.4

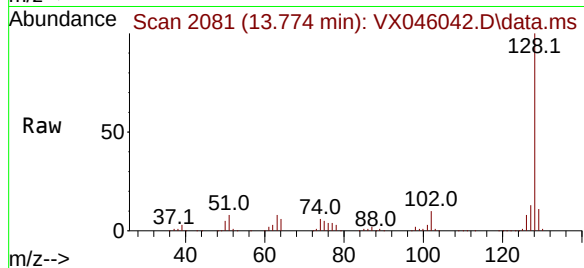
227 61.8 30.9 92.7





#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

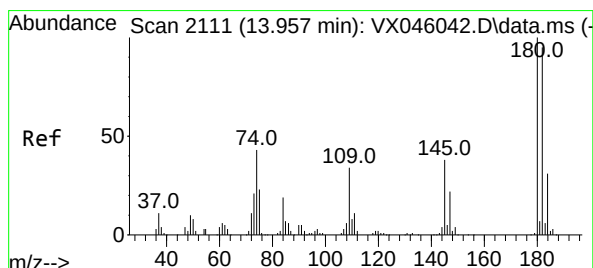
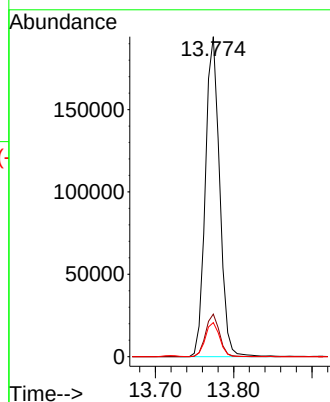
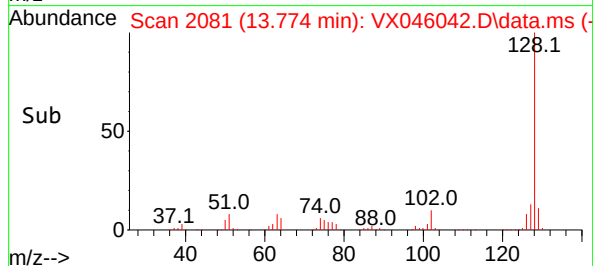
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



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

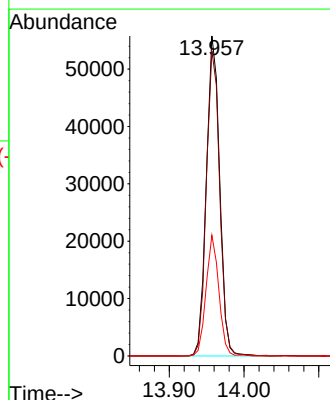
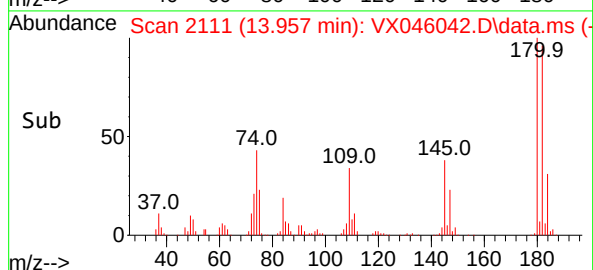
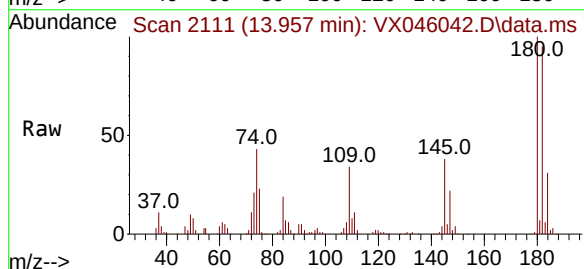
Manual Integrations
APPROVED

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
 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)

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

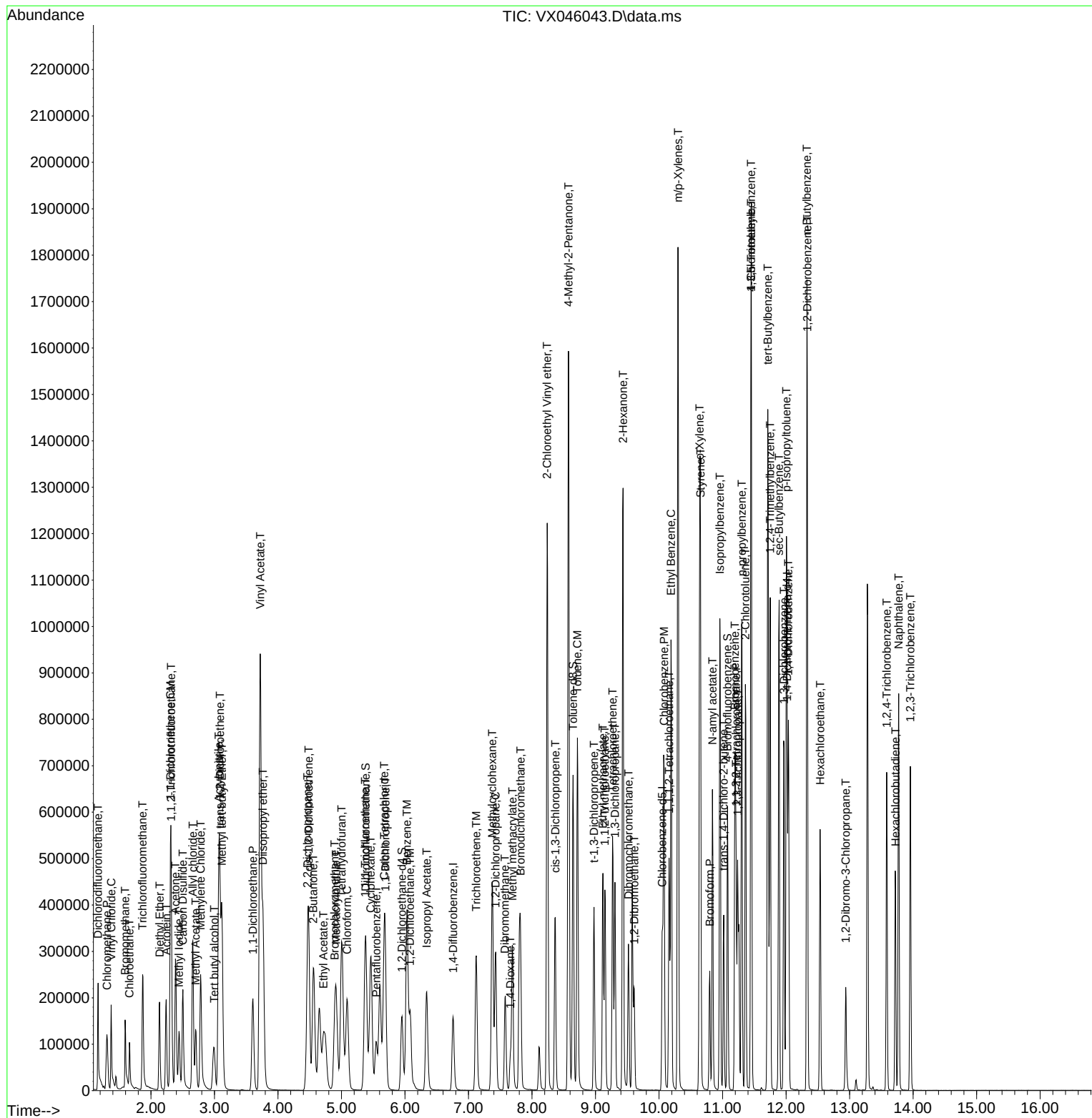
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

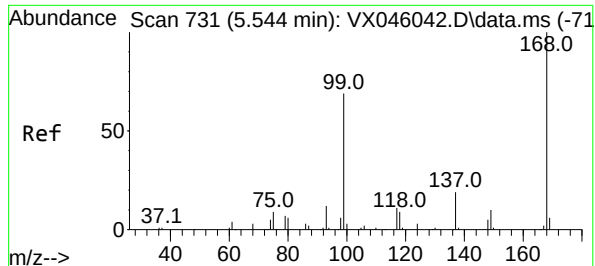
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations

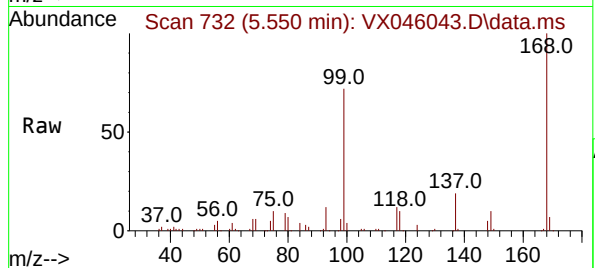
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025





#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

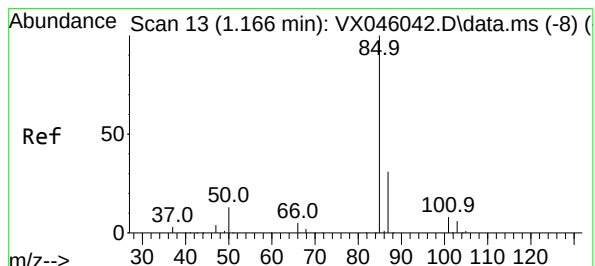
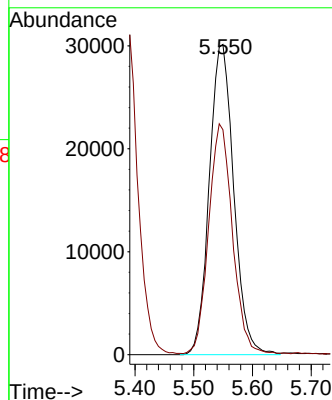
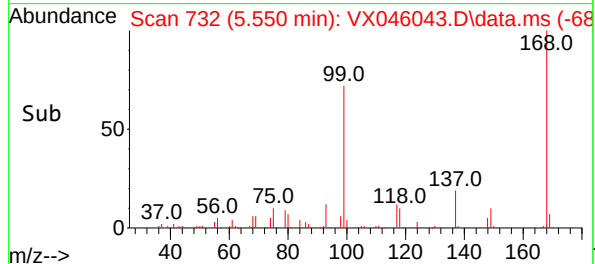
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



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

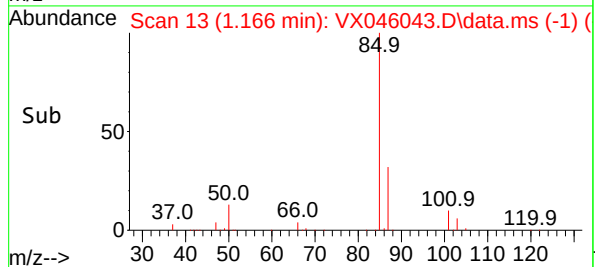
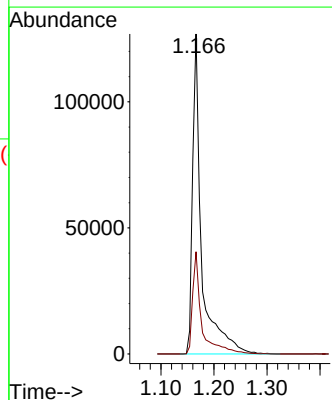
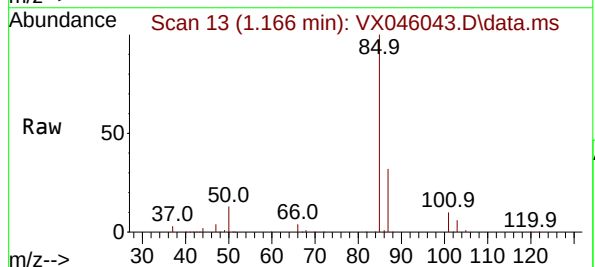
Manual Integrations
APPROVED

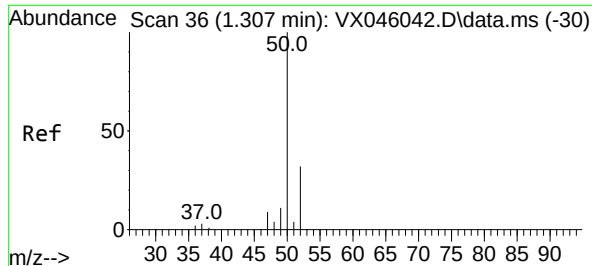
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

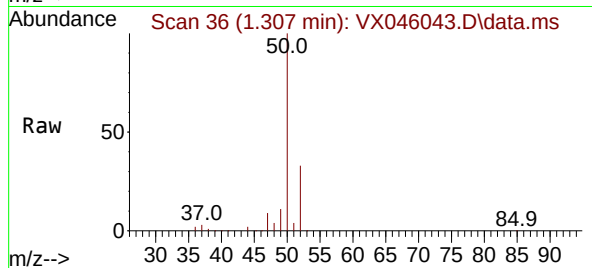
Tgt Ion: 85 Resp: 149508
Ion Ratio Lower Upper
85 100
87 32.0 15.7 47.1





#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

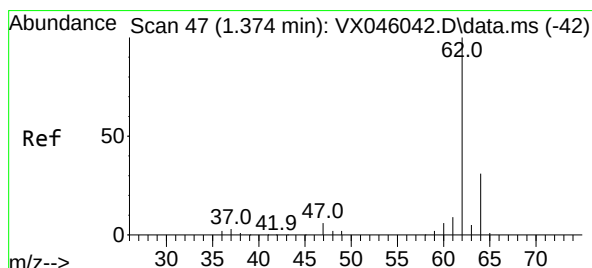
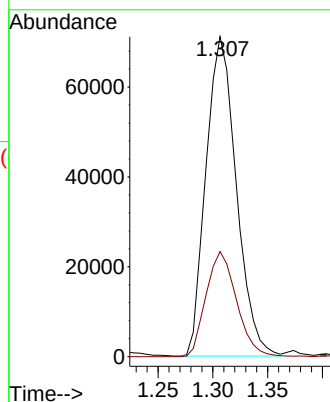
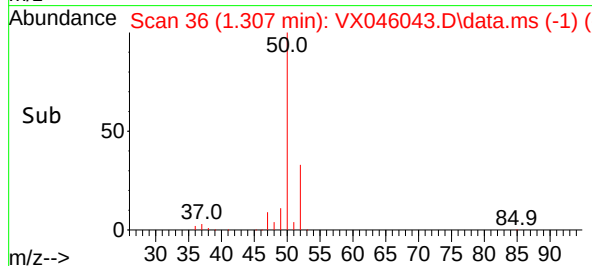
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



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

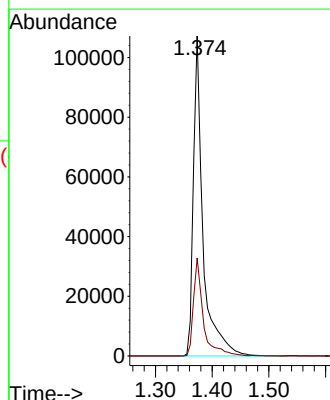
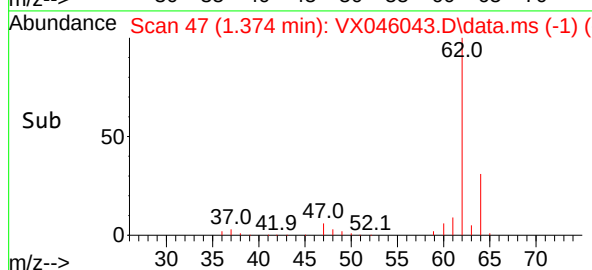
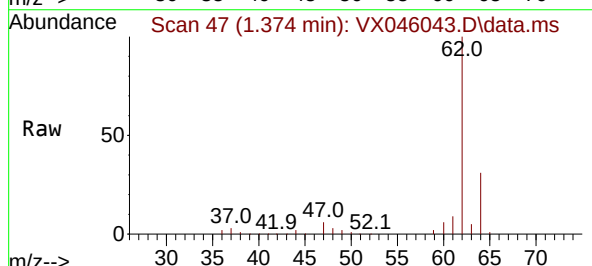
Manual Integrations
APPROVED

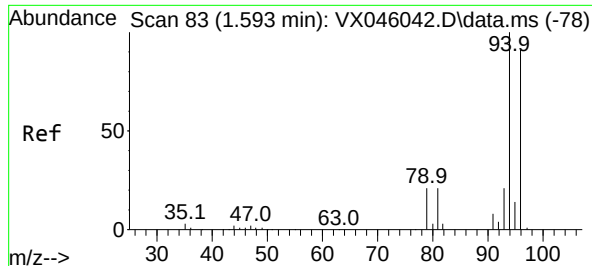
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

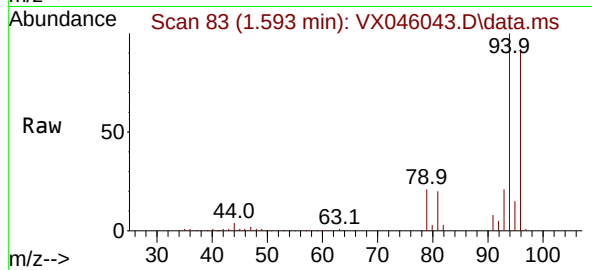
Tgt Ion: 62 Resp: 126609
Ion Ratio Lower Upper
62 100
64 30.6 25.2 37.8





#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

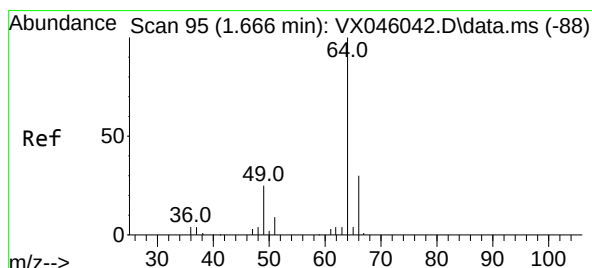
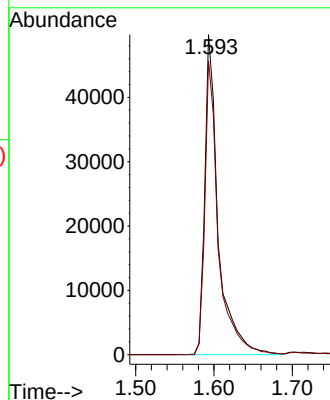
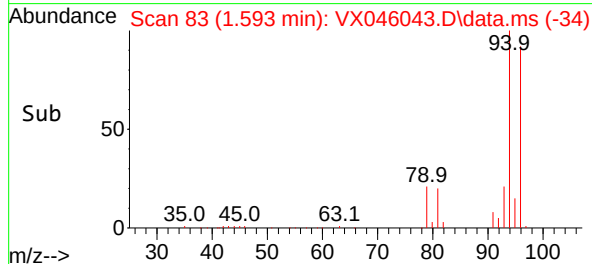
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



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

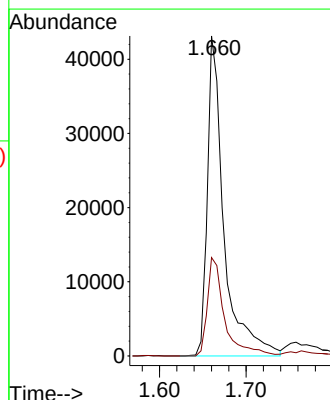
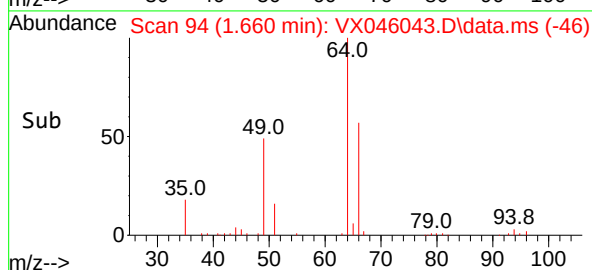
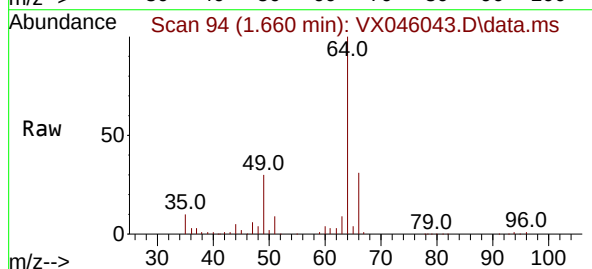
Manual Integrations
APPROVED

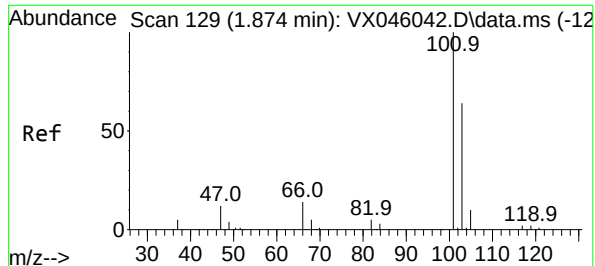
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

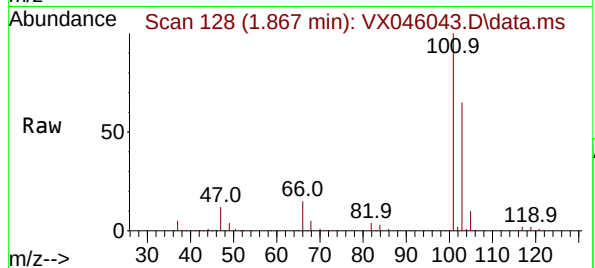
Tgt Ion: 64 Resp: 57332
Ion Ratio Lower Upper
64 100
66 30.8 24.3 36.5





#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

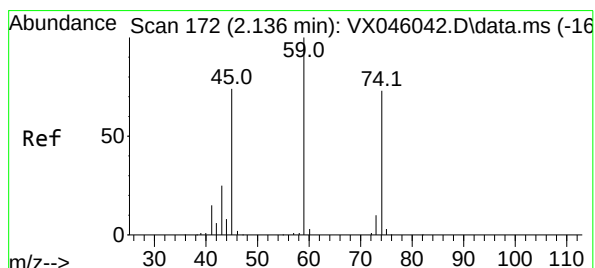
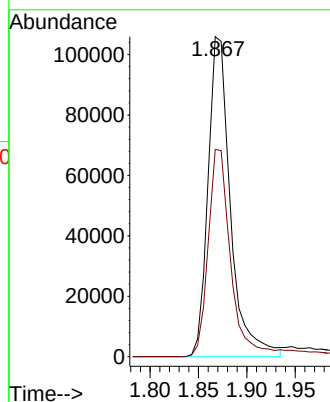
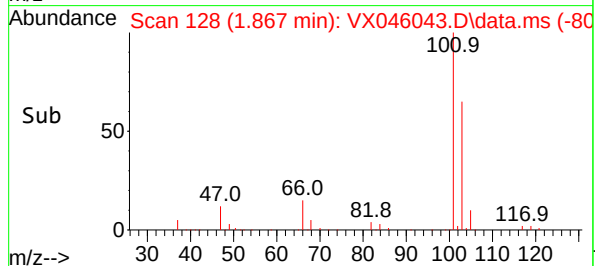
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100



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

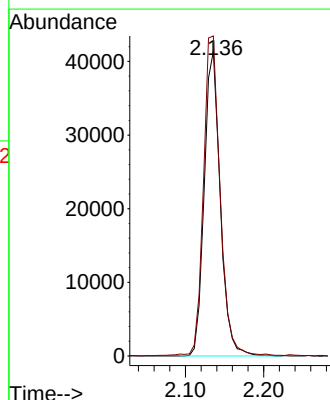
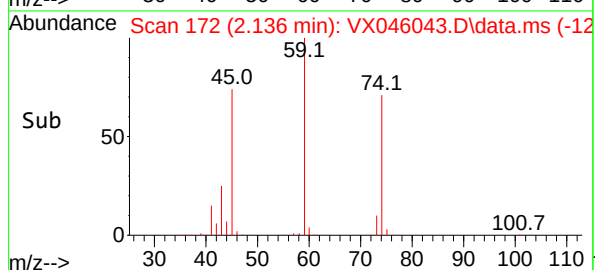
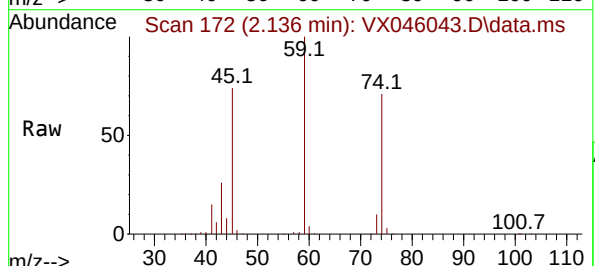
Manual Integrations
APPROVED

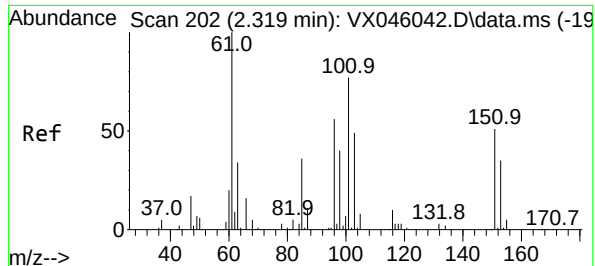
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

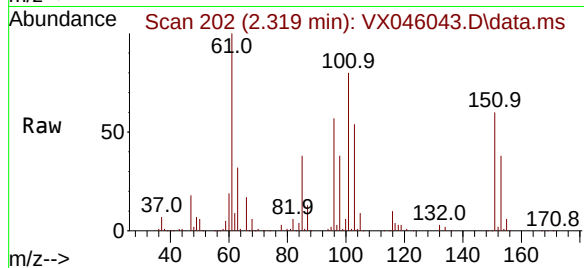
Tgt Ion: 74 Resp: 58762
Ion Ratio Lower Upper
74 100
45 110.1 54.9 164.8





#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

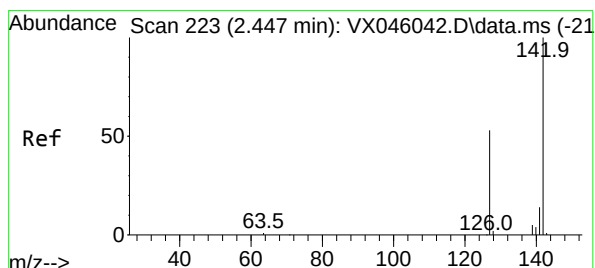
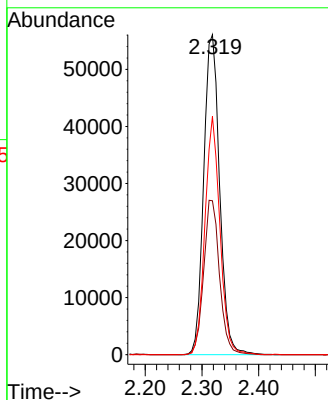
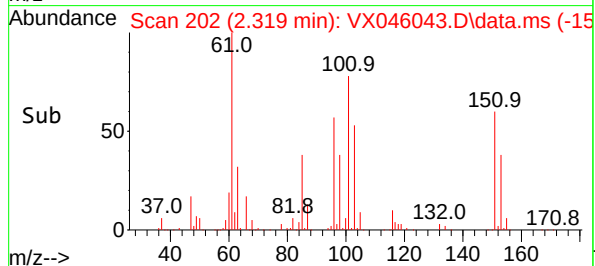
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



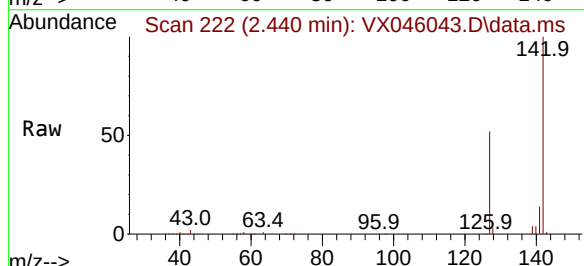
Tgt Ion:101 Resp: 109520
Ion Ratio Lower Upper
101 100
85 48.1 38.6 58.0
151 69.9 55.2 82.8

Manual Integrations
APPROVED

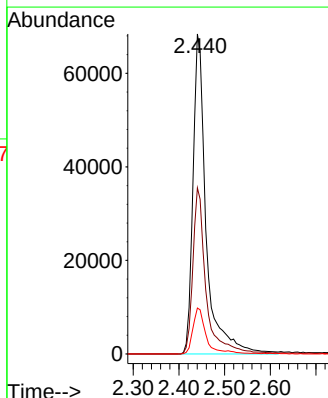
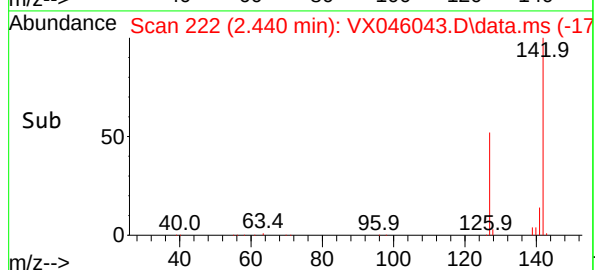
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

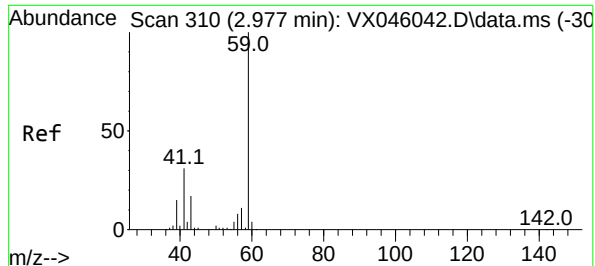


#10
Methyl Iodide
Concen: 77.943 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21



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

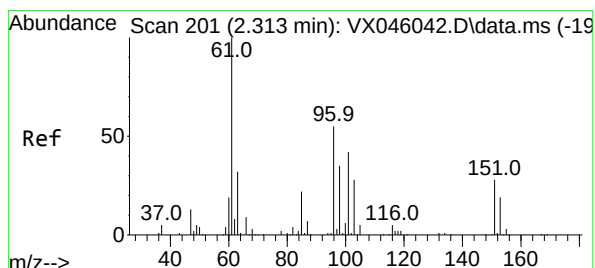
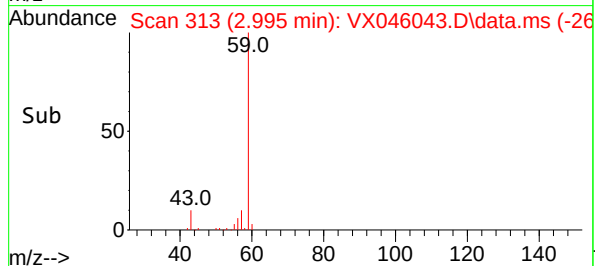
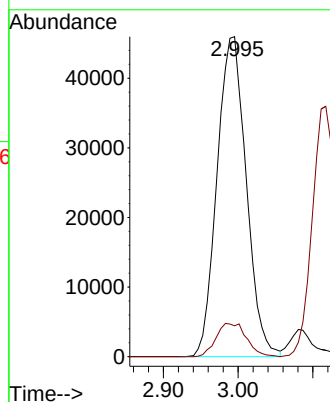
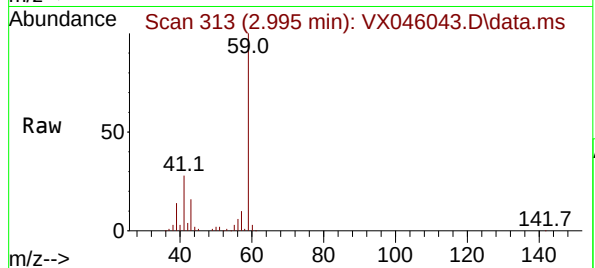
57 10.9 8.6 12.8

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

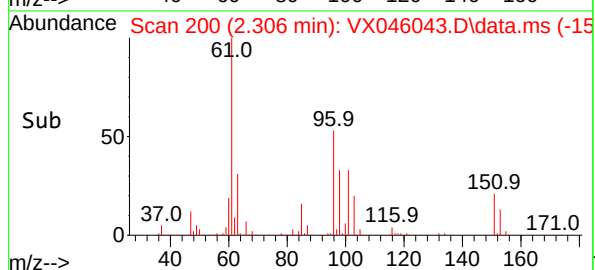
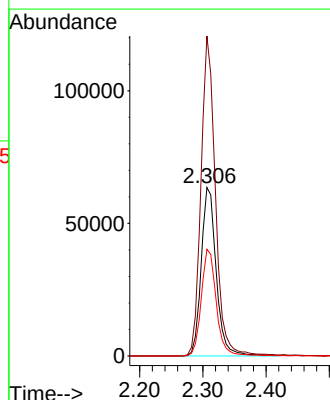
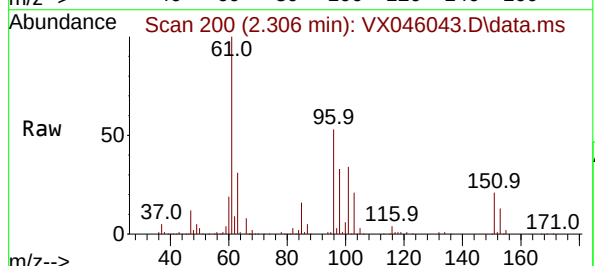
Tgt Ion: 96 Resp: 105566

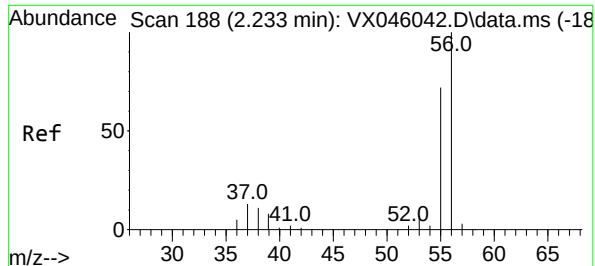
Ion Ratio Lower Upper

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# 188

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

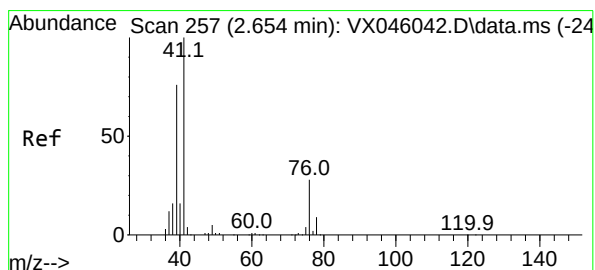
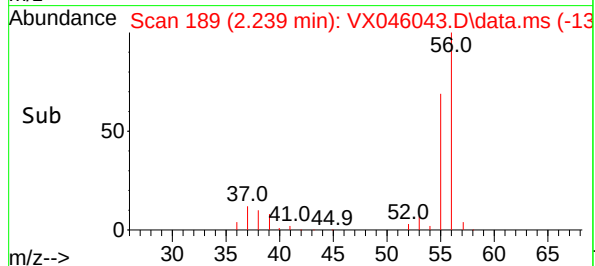
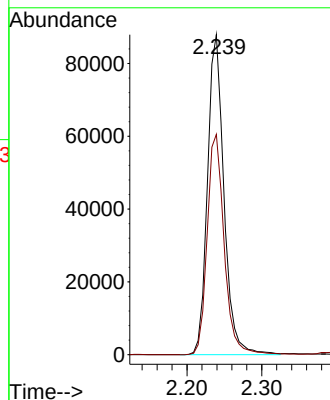
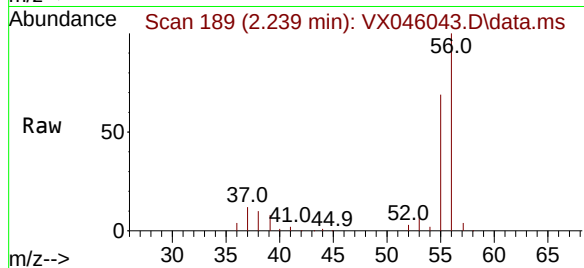
55 71.3 56.2 84.4

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

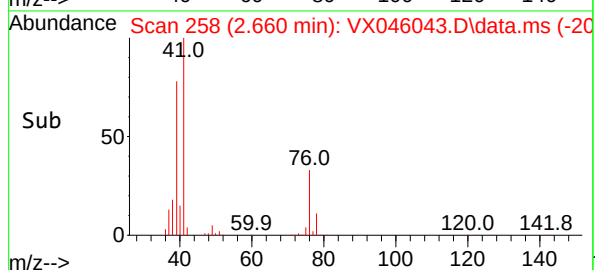
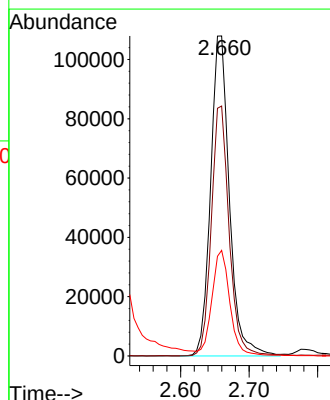
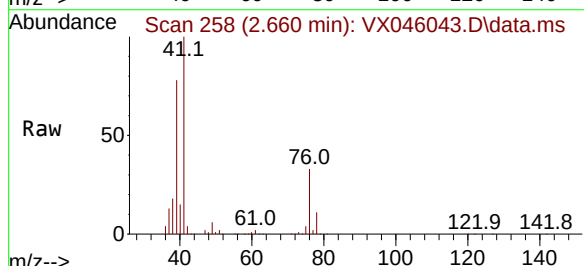
Tgt Ion: 41 Resp: 206519

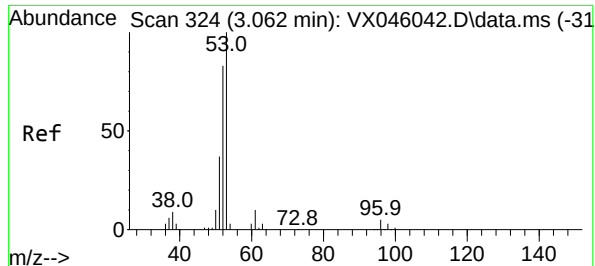
Ion Ratio Lower Upper

41 100

39 73.8 60.6 90.8

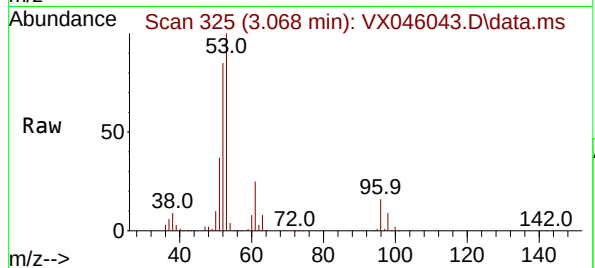
76 31.4 24.9 37.3





#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

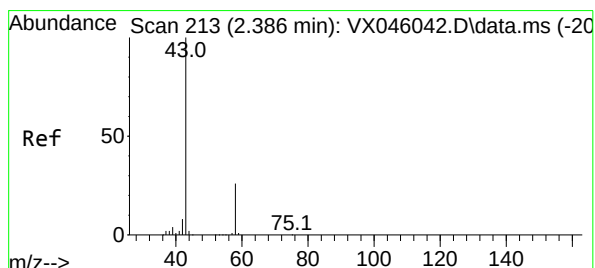
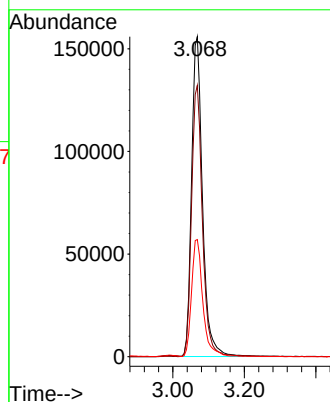
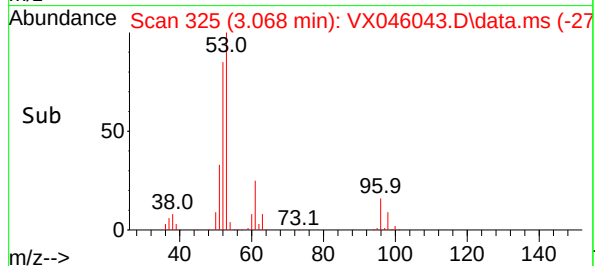
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



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

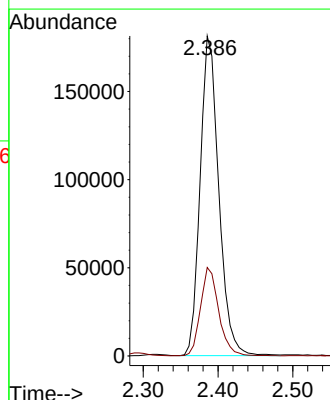
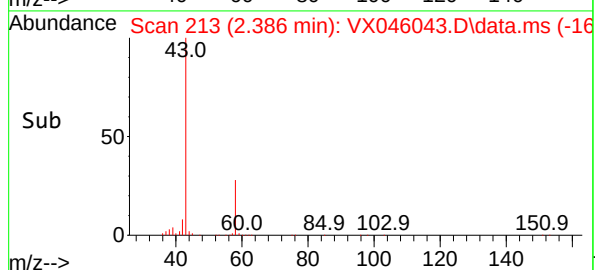
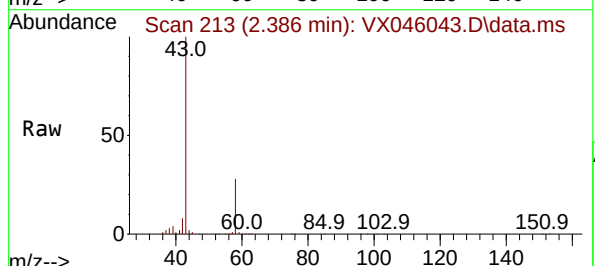
Manual Integrations
APPROVED

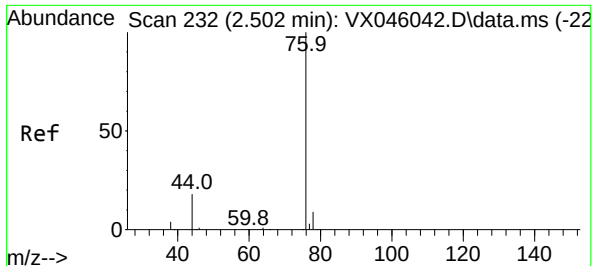
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

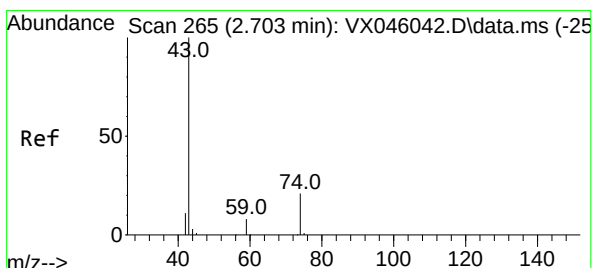
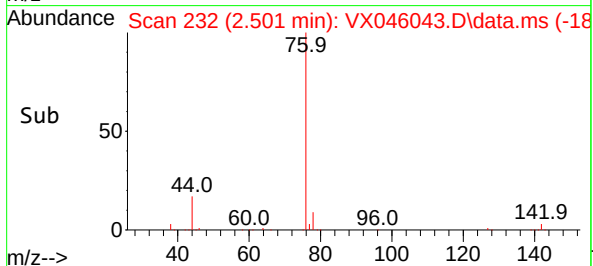
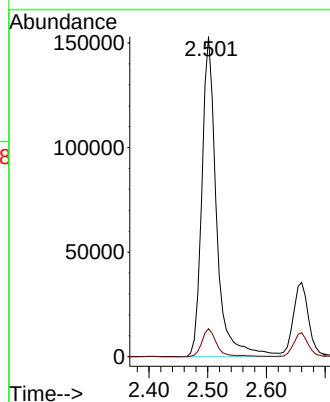
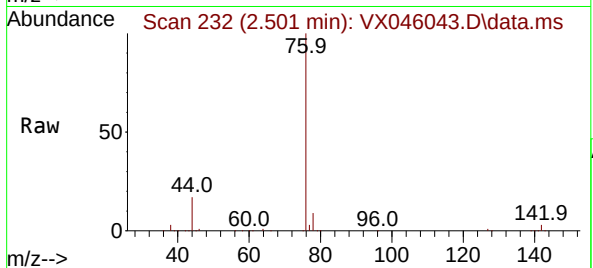
78 8.7 7.0 10.4

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

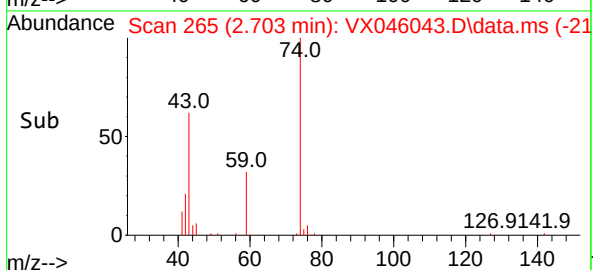
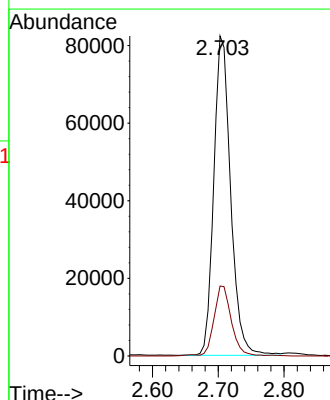
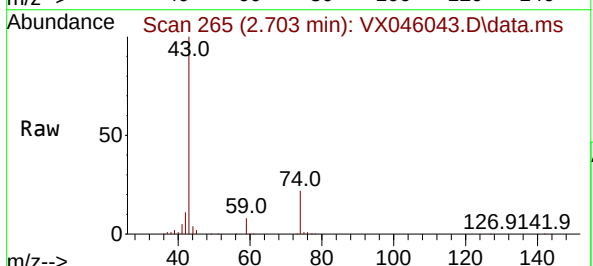
Acq: 05 May 2025 12:21

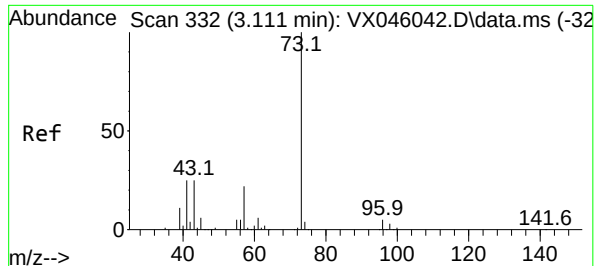
Tgt Ion: 43 Resp: 147014

Ion Ratio Lower Upper

43 100

74 22.6 16.7 25.1





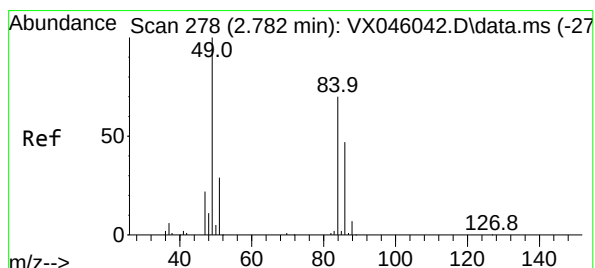
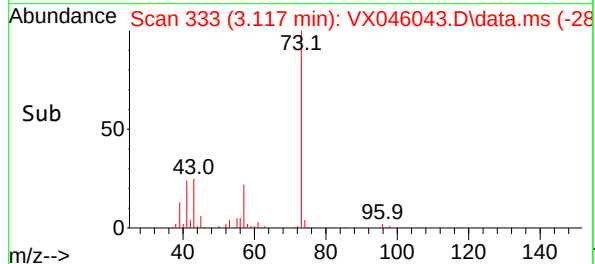
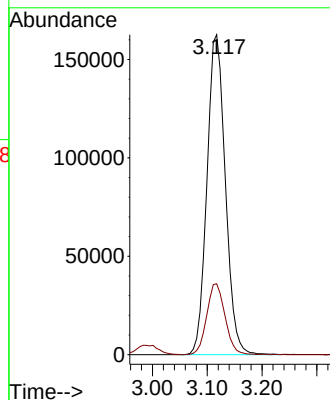
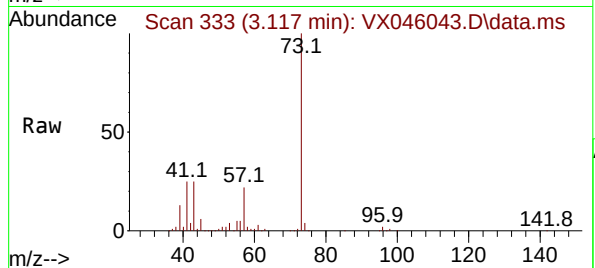
#19
Methyl tert-butyl Ether
Concen: 73.818 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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

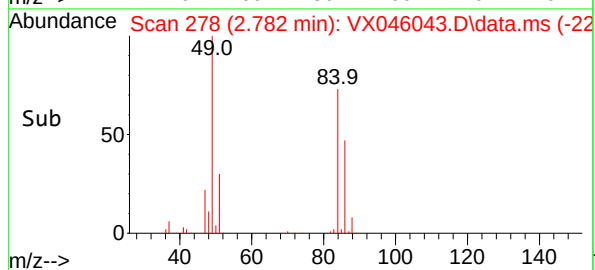
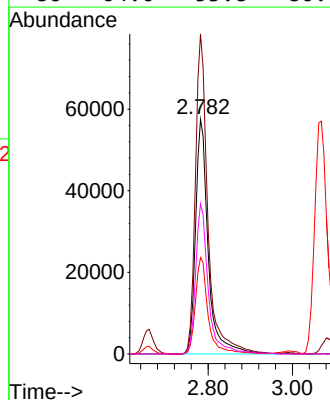
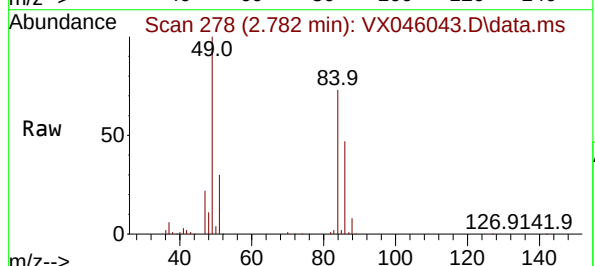
Manual Integrations
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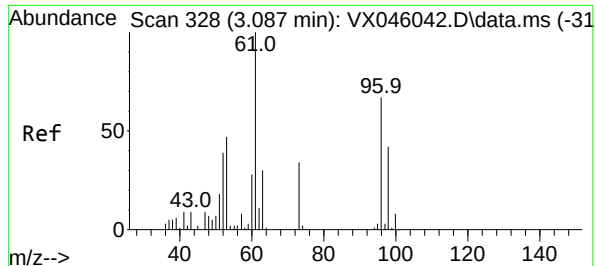
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

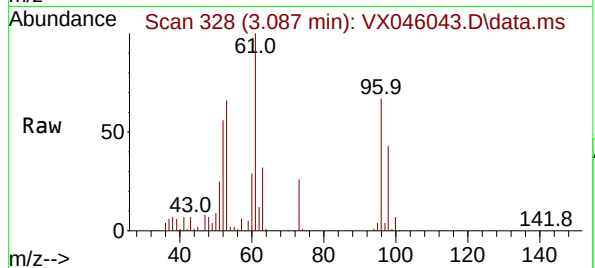
Tgt Ion: 84 Resp: 120270
Ion Ratio Lower Upper
84 100
49 136.4 113.9 170.9
51 41.1 33.5 50.3
86 64.0 53.8 80.8





#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

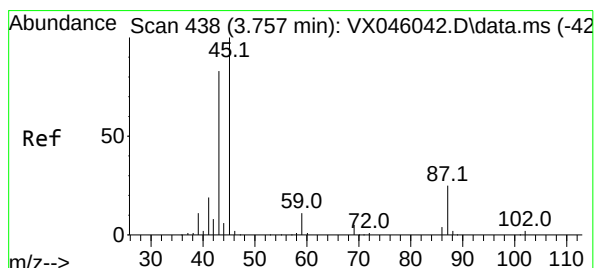
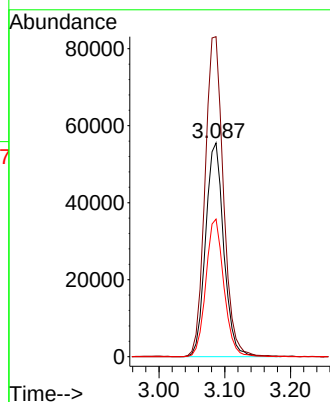
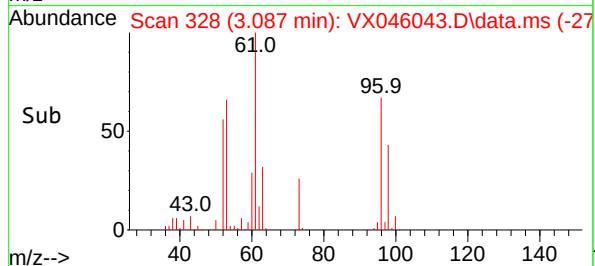
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



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

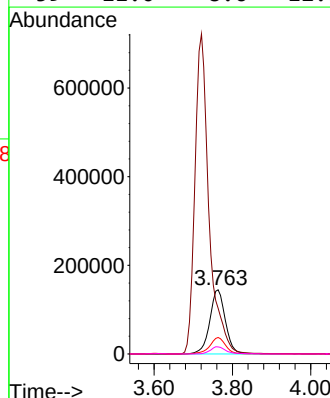
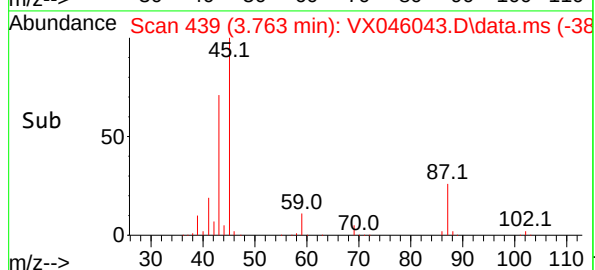
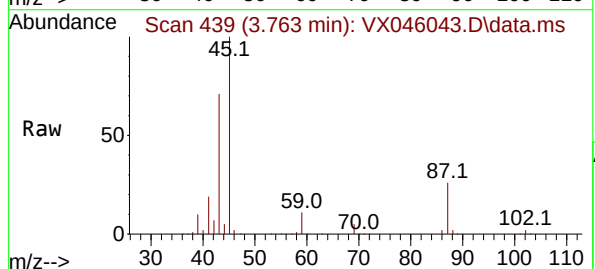
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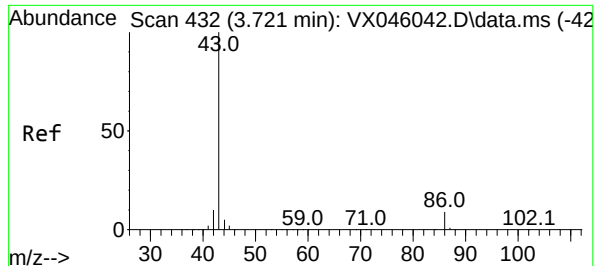
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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





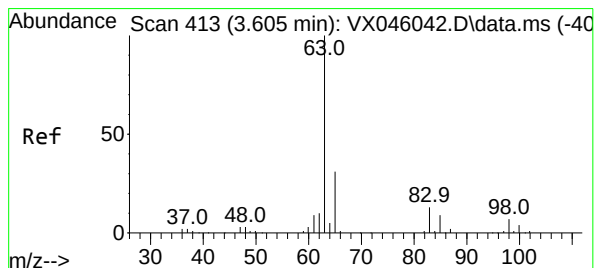
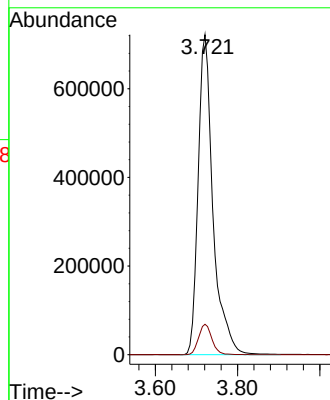
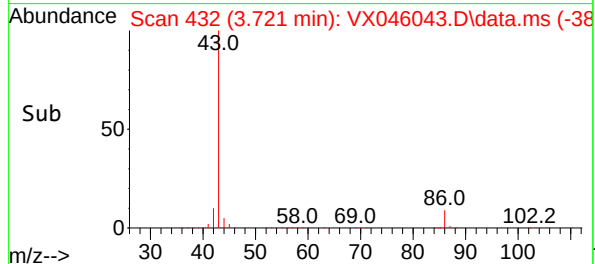
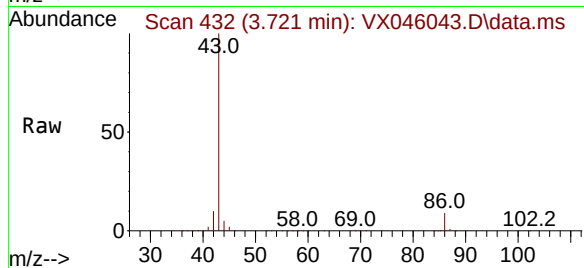
#23
Vinyl Acetate
Concen: 395.363 ug/l
RT: 3.721 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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

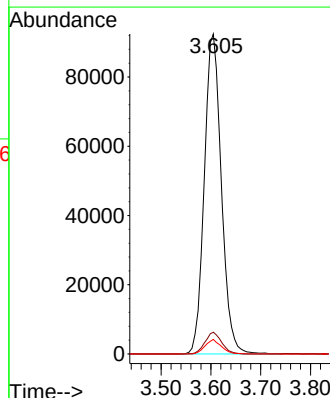
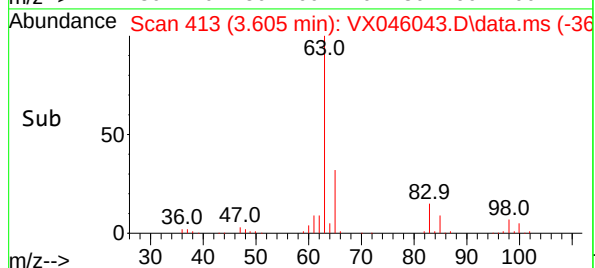
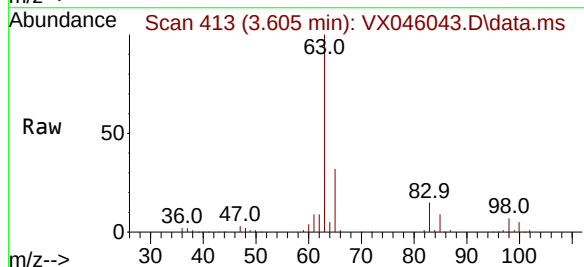
Manual Integrations
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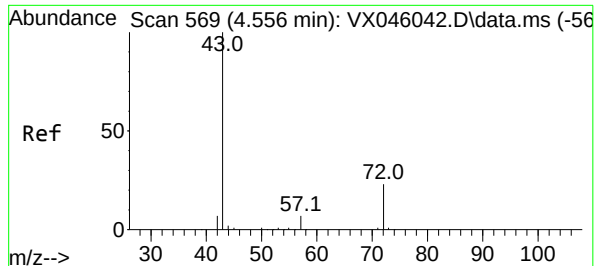
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#24
1,1-Dichloroethane
Concen: 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

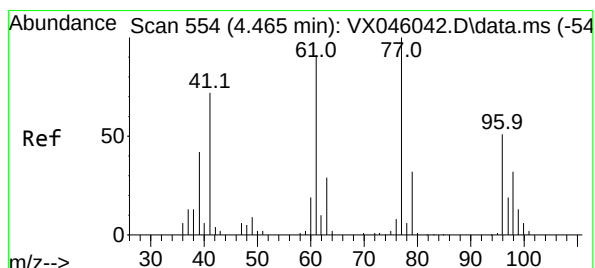
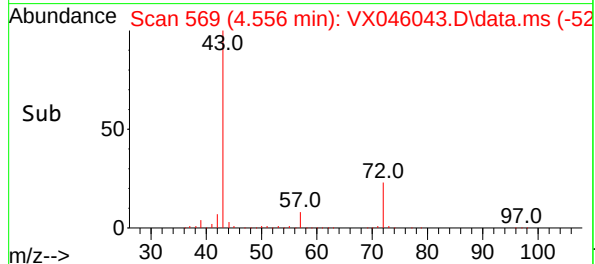
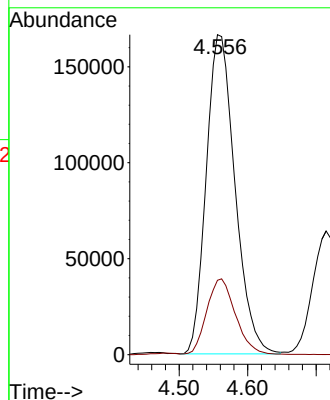
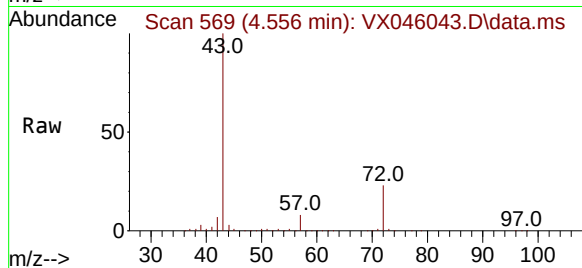
72 23.1 18.4 27.6

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

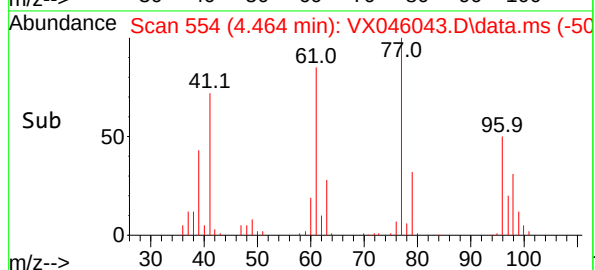
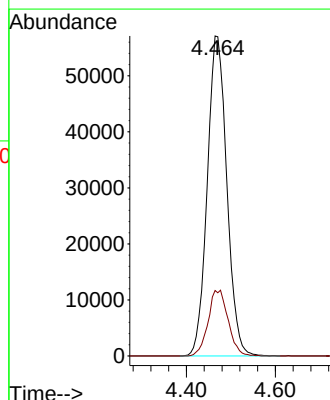
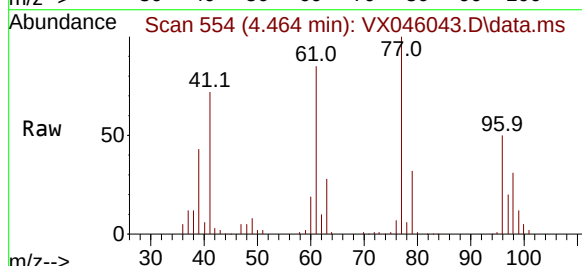
Acq: 05 May 2025 12:21

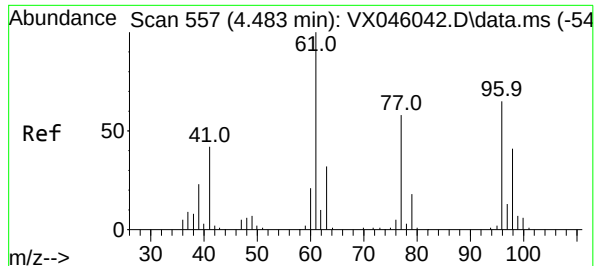
Tgt Ion: 77 Resp: 174579

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

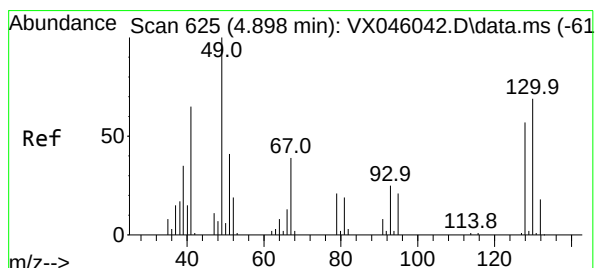
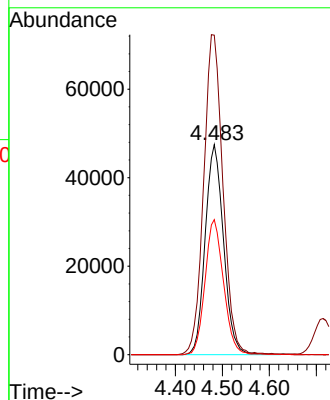
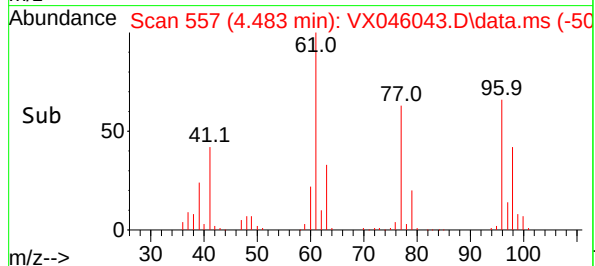
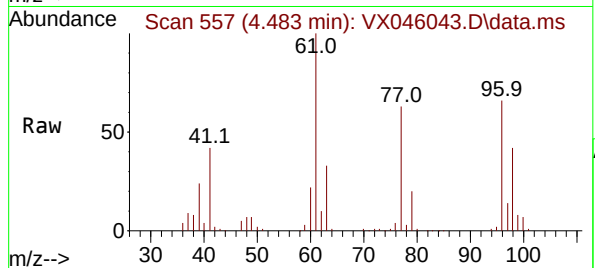
98 64.9 0.0 129.0

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

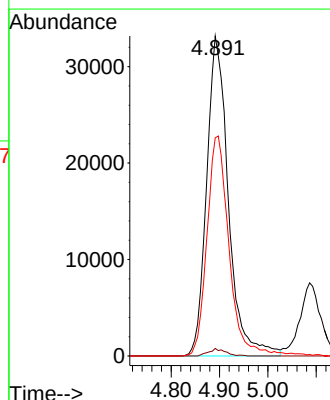
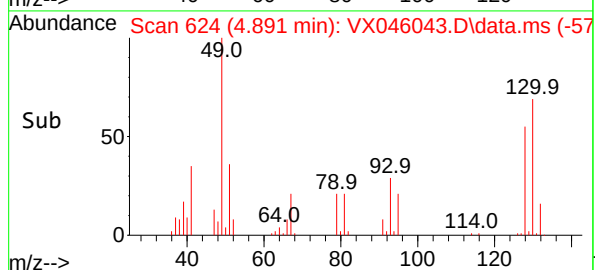
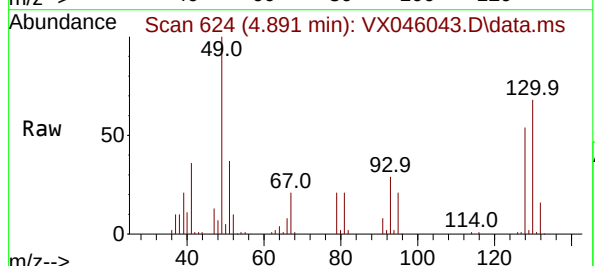
Tgt Ion: 49 Resp: 103602

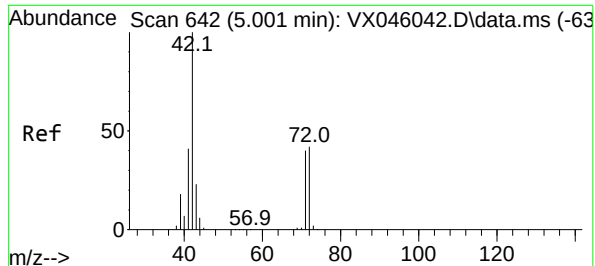
Ion Ratio Lower Upper

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

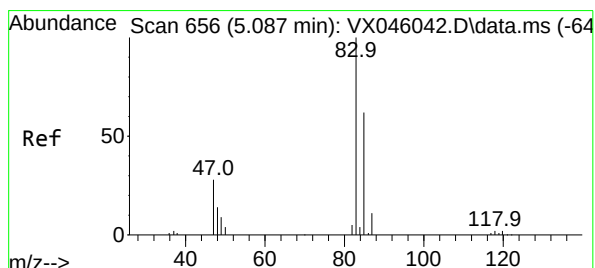
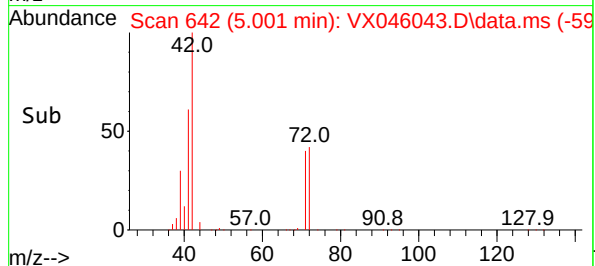
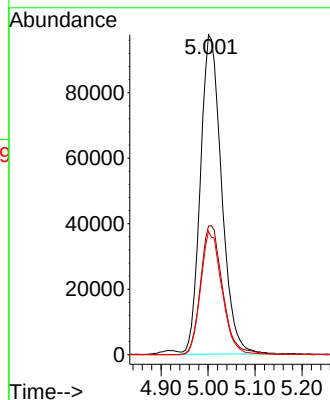
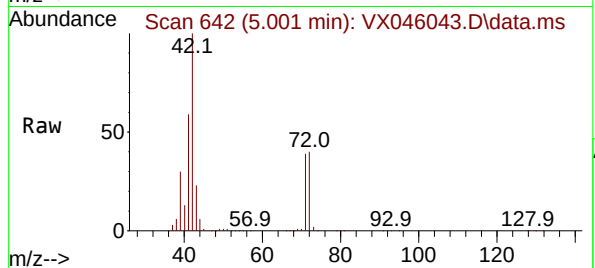
71 38.7 31.4 47.2

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

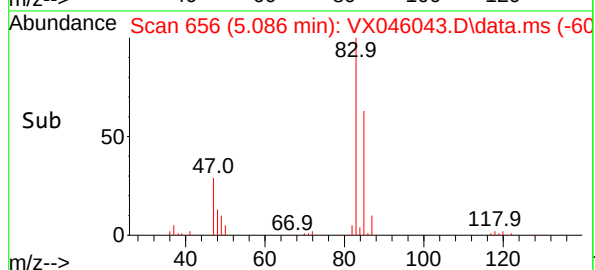
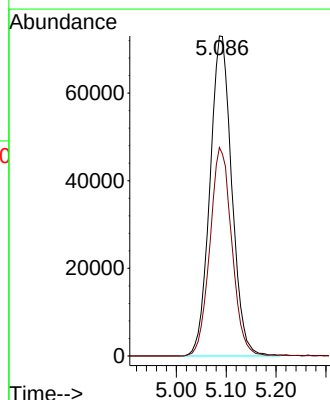
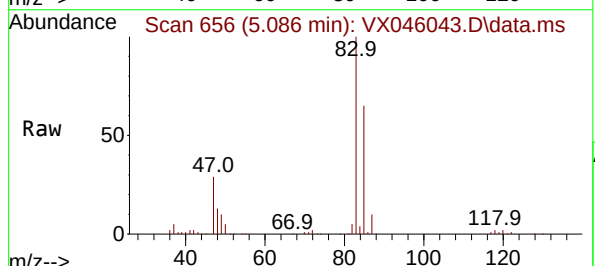
Acq: 05 May 2025 12:21

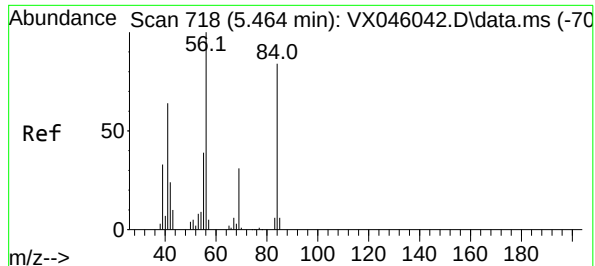
Tgt Ion: 83 Resp: 222253

Ion Ratio Lower Upper

83 100

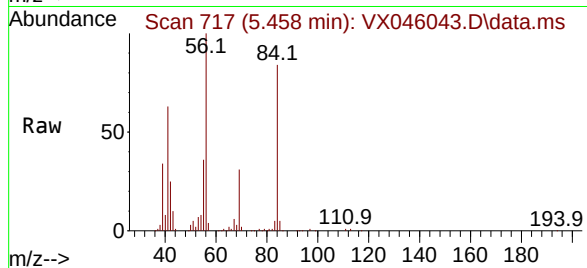
85 65.1 49.3 73.9





#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

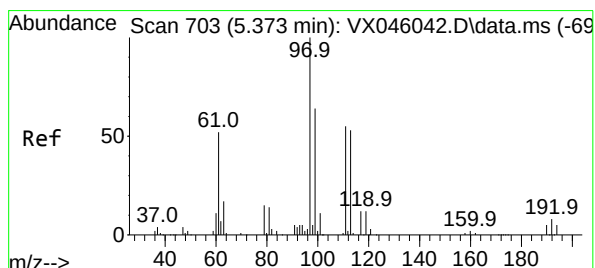
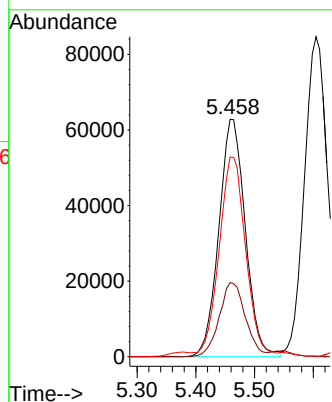
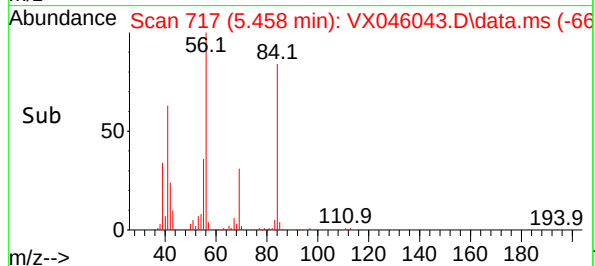
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



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

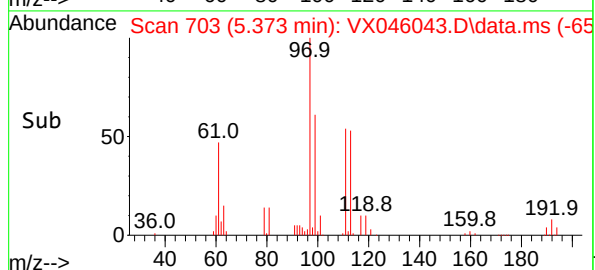
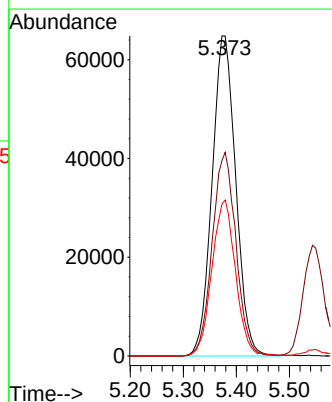
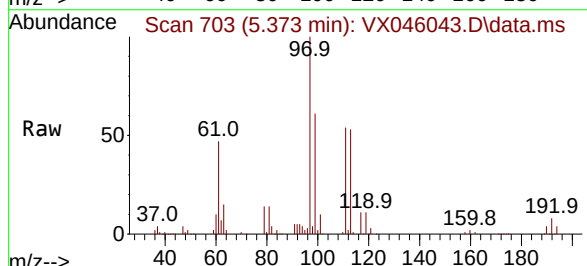
Manual Integrations
APPROVED

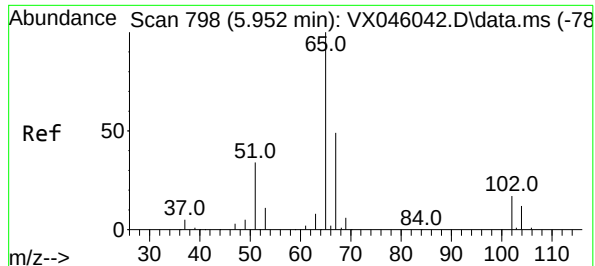
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

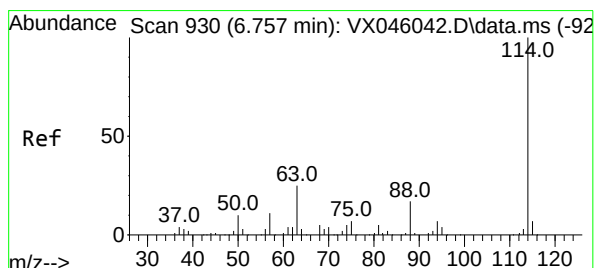
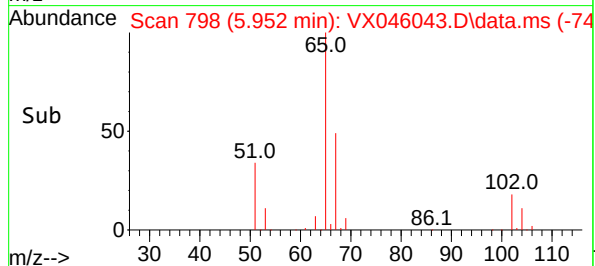
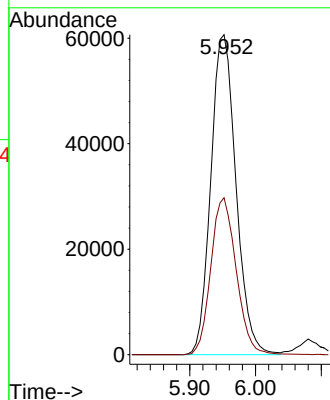
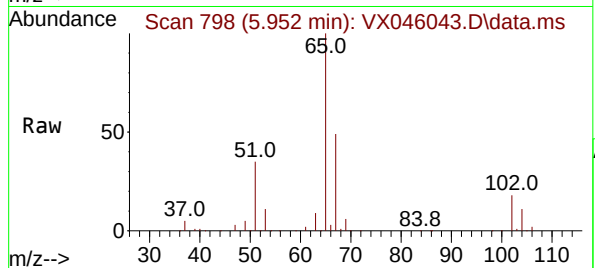
67 49.5 0.0 99.0

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

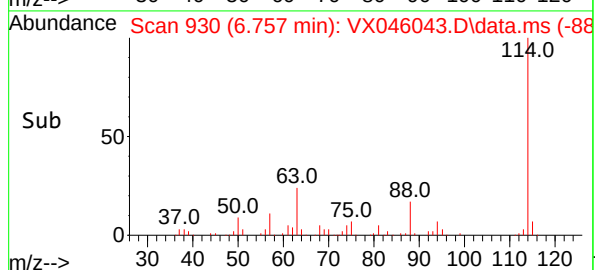
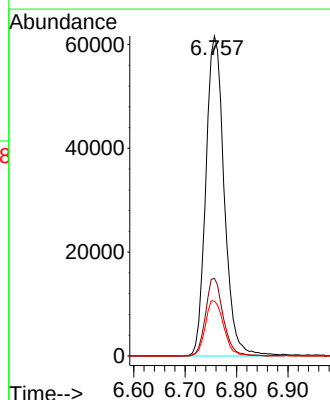
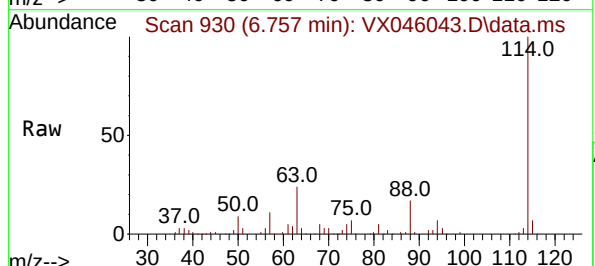
Tgt Ion:114 Resp: 152958

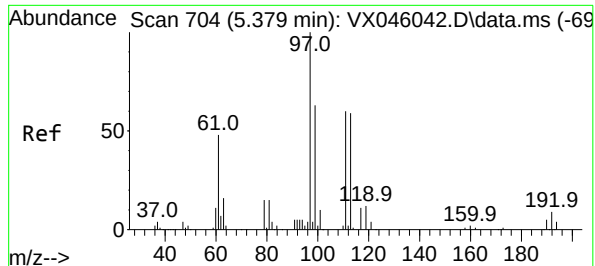
Ion Ratio Lower Upper

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

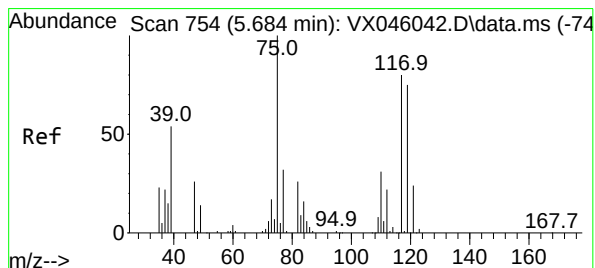
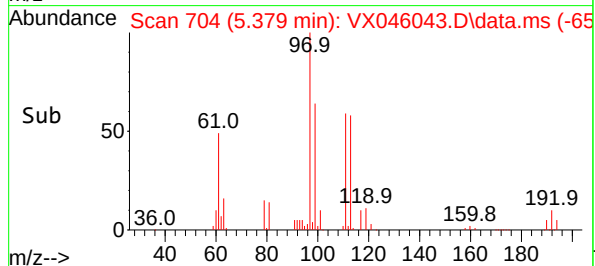
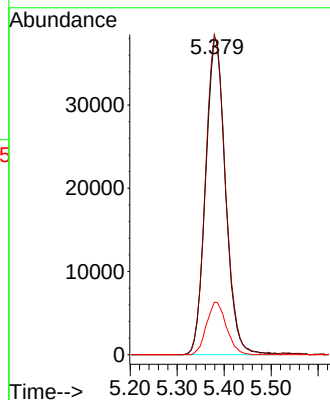
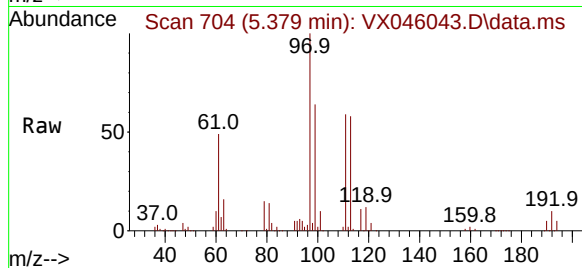
192 16.6 13.3 19.9

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

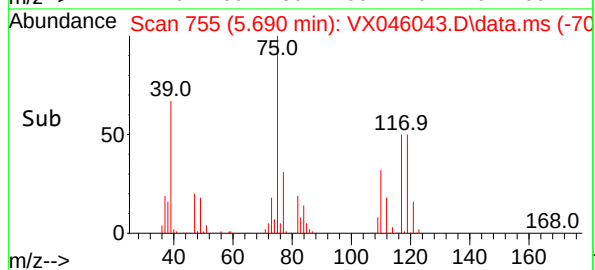
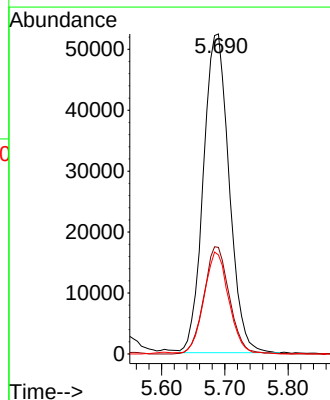
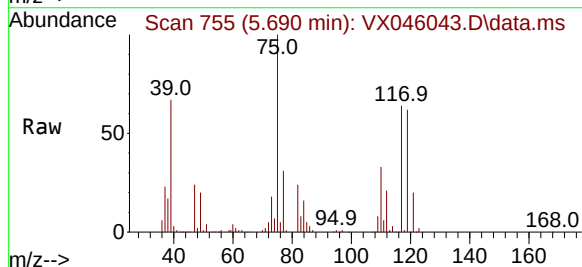
Tgt Ion: 75 Resp: 147873

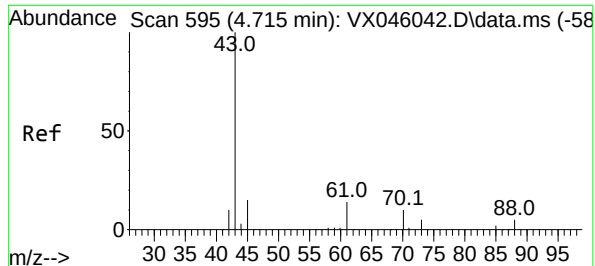
Ion Ratio Lower Upper

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

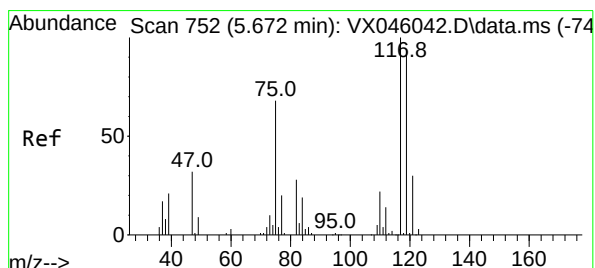
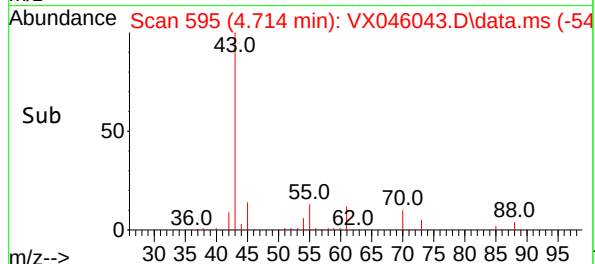
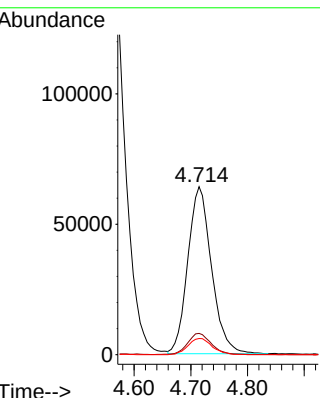
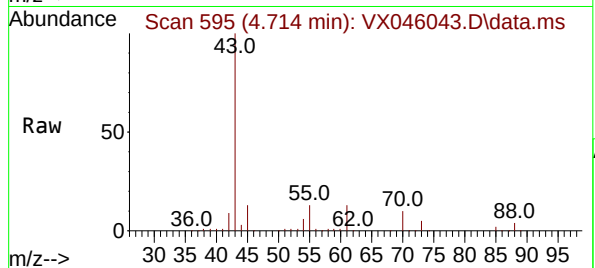
70 9.9 7.9 11.9

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

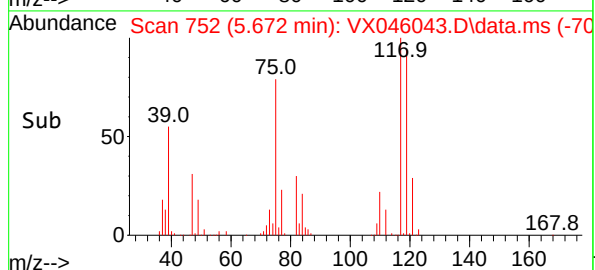
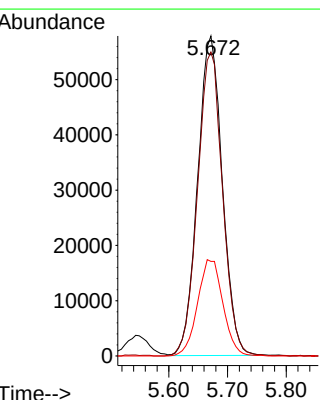
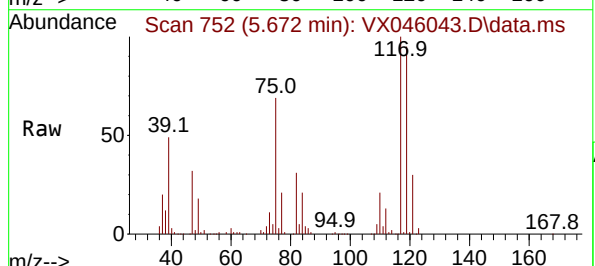
Tgt Ion:117 Resp: 168946

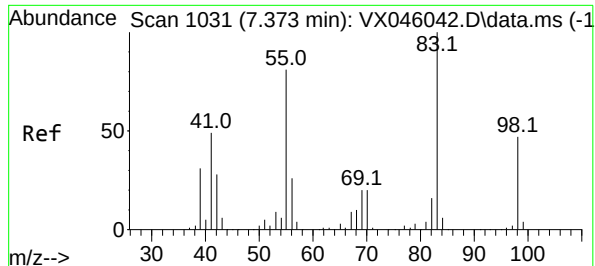
Ion Ratio Lower Upper

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

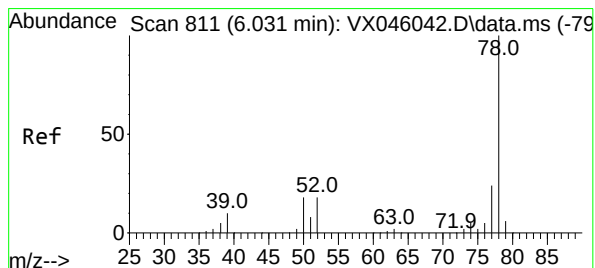
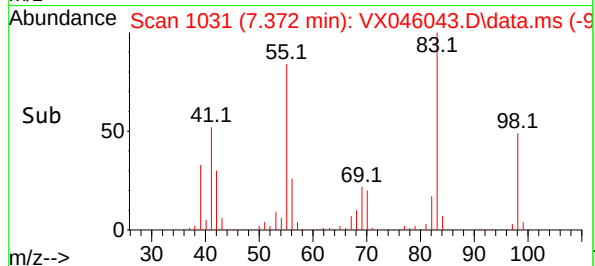
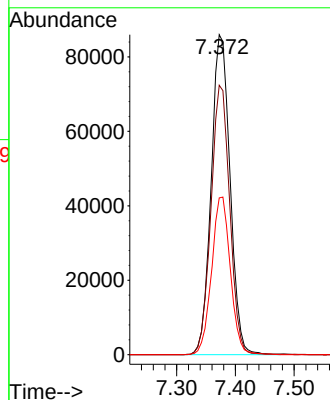
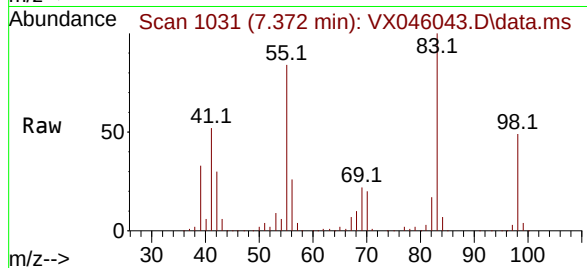
98 49.0 37.4 56.2

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

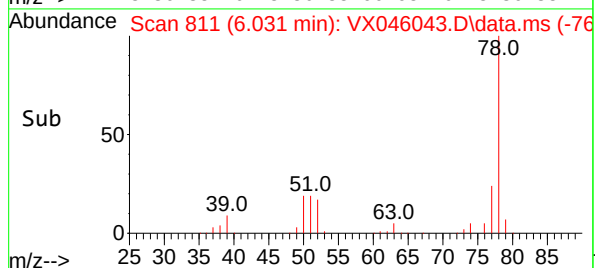
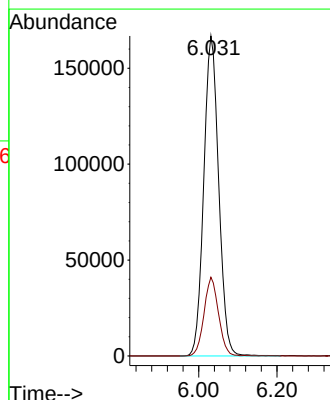
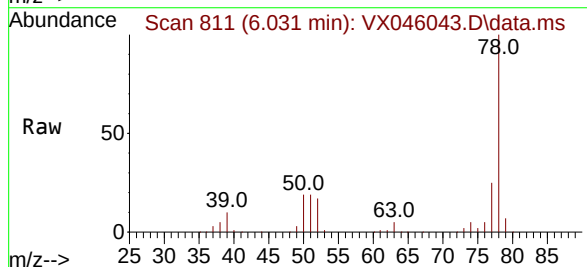
Acq: 05 May 2025 12:21

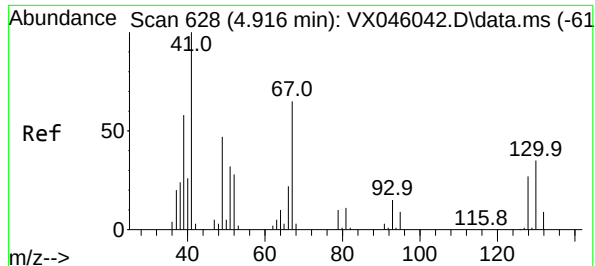
Tgt Ion: 78 Resp: 440885

Ion Ratio Lower Upper

78 100

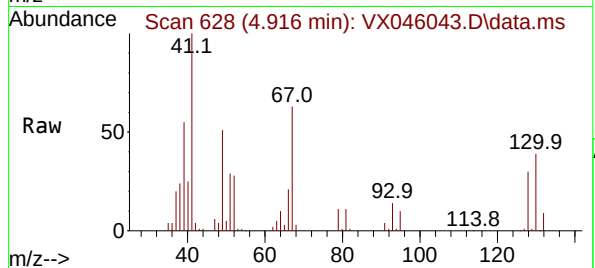
77 24.6 19.0 28.4





#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

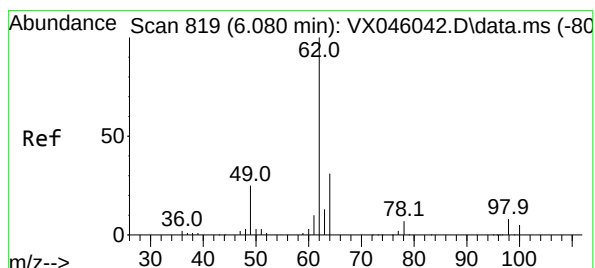
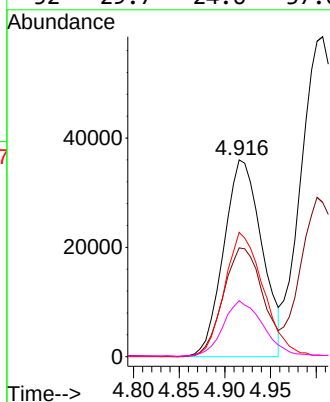
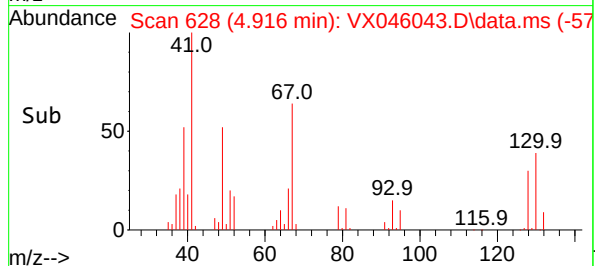
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



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

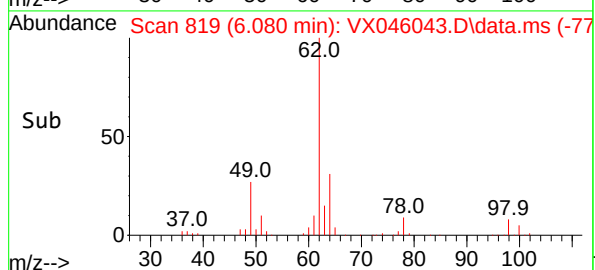
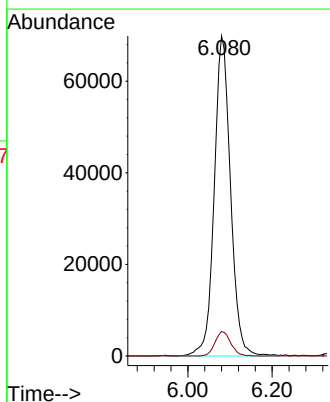
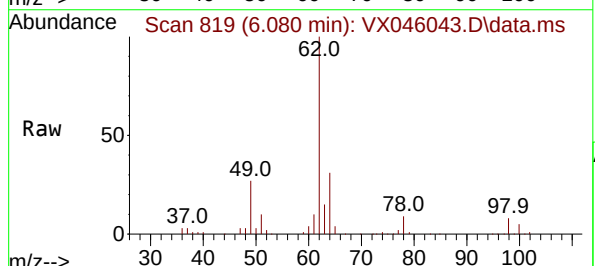
Manual Integrations
APPROVED

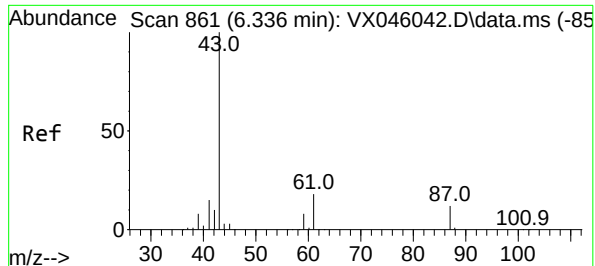
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

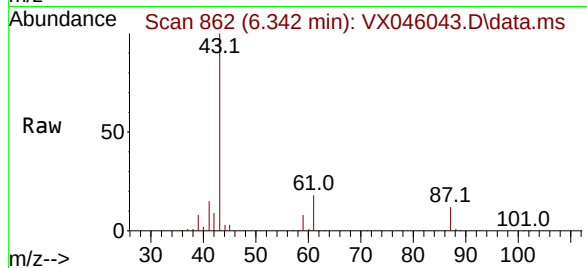
Acq: 05 May 2025 12:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100



Tgt Ion: 43 Resp: 30049

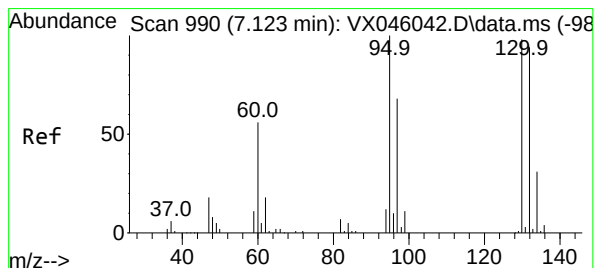
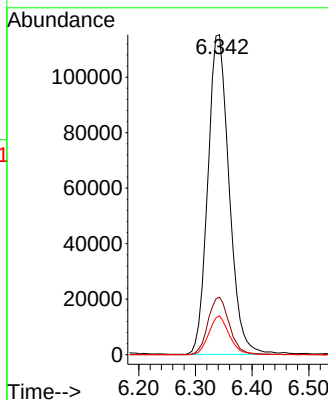
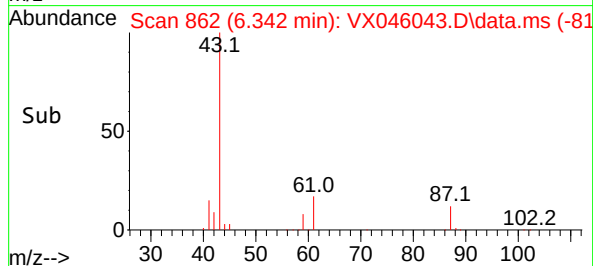
Ion	Ratio	Lower	Upper
43	100		
61	18.0	14.3	21.5
87	11.6	9.5	14.3

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

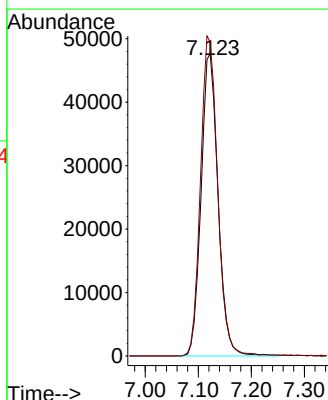
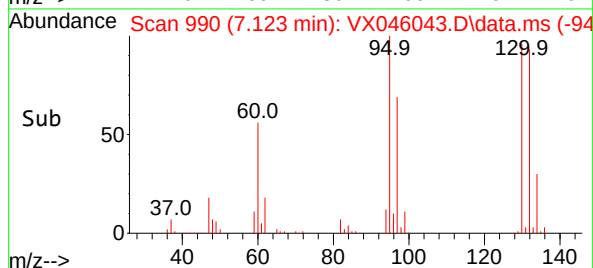
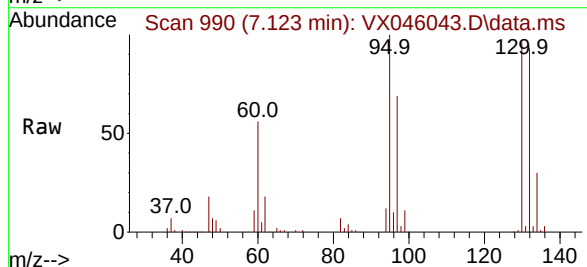
Delta R.T. -0.000 min

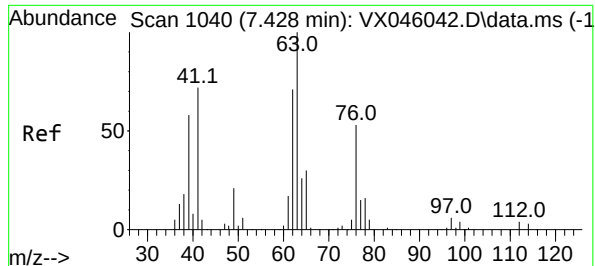
Lab File: VX046043.D

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 :

VSTDICC100

Tgt Ion: 63 Resp: 112554

Ion Ratio Lower Upper

63 100

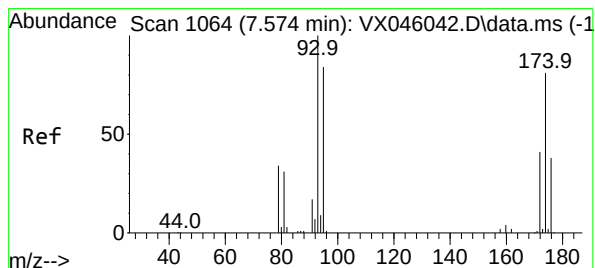
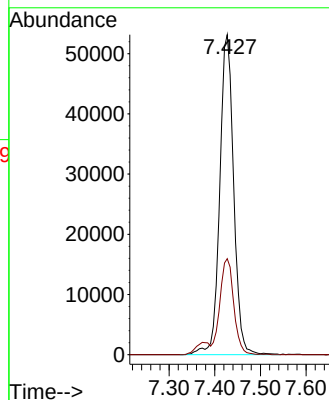
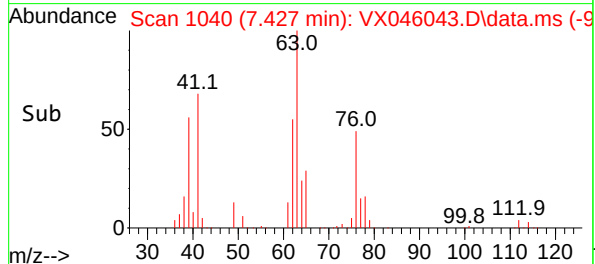
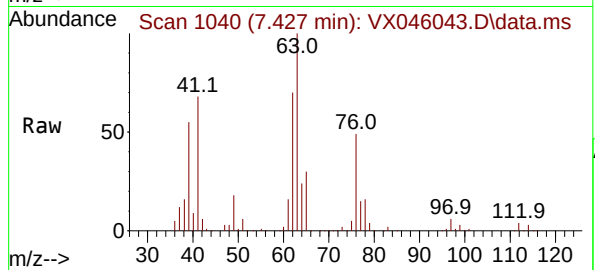
65 30.0 24.1 36.1

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

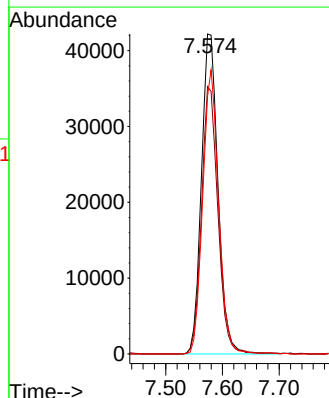
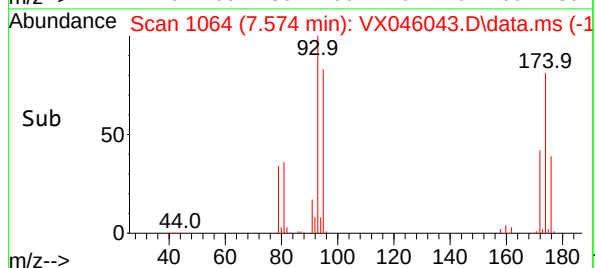
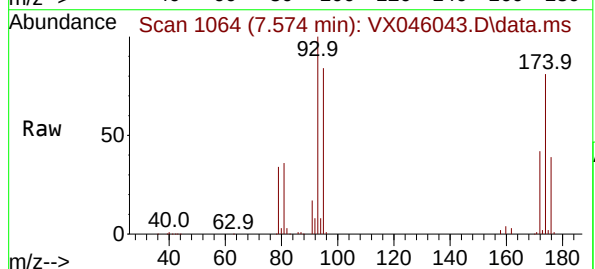
Tgt Ion: 93 Resp: 85728

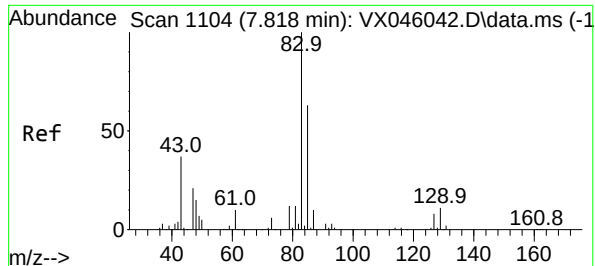
Ion Ratio Lower Upper

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

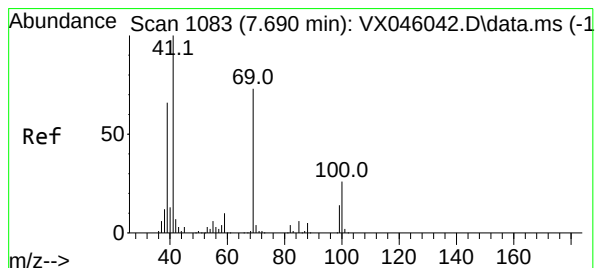
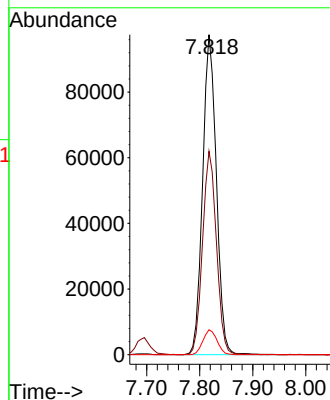
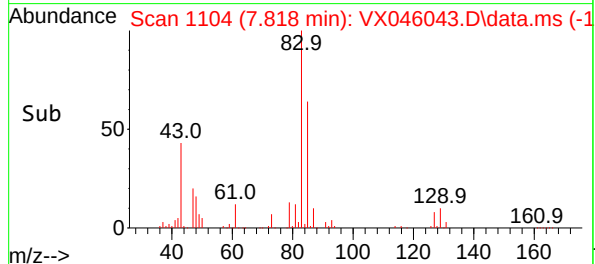
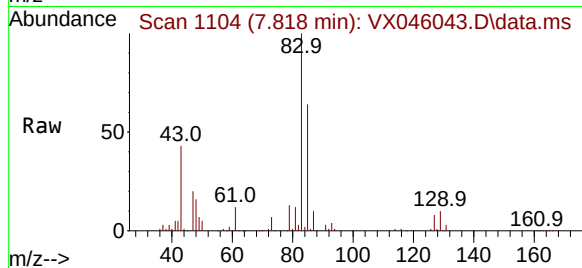
127 7.8 6.5 9.7

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

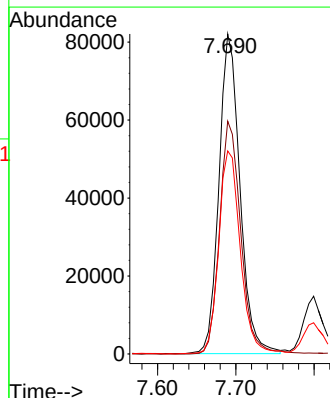
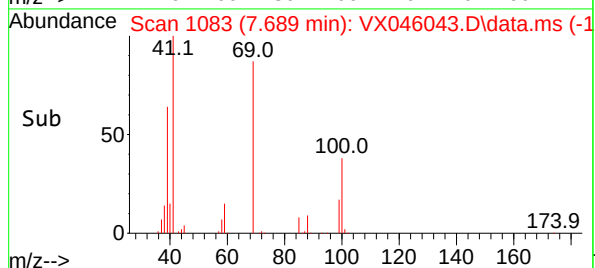
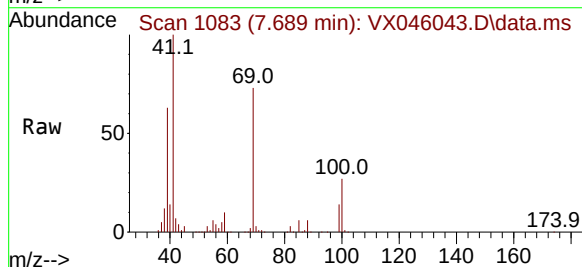
Tgt Ion: 41 Resp: 153093

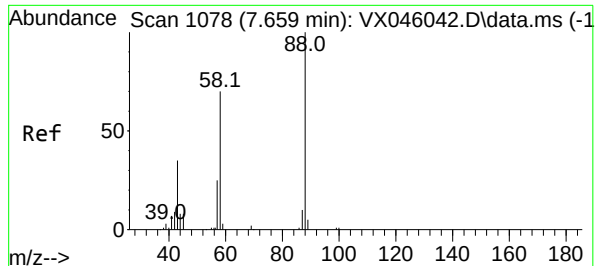
Ion Ratio Lower Upper

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 :

VSTDICC100

Tgt Ion: 88 Resp: 5731

Ion Ratio Lower Upper

88 100

43 40.1 33.4 50.2

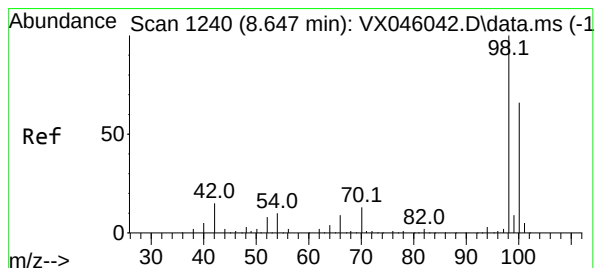
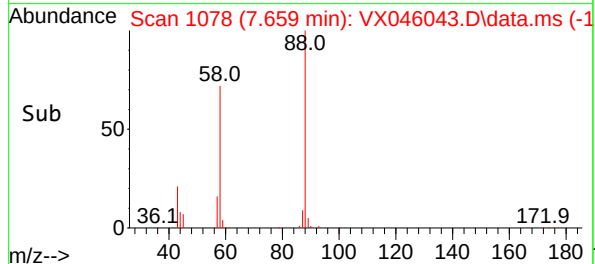
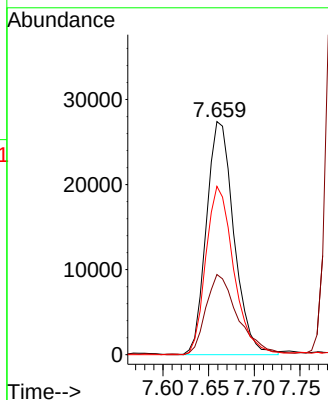
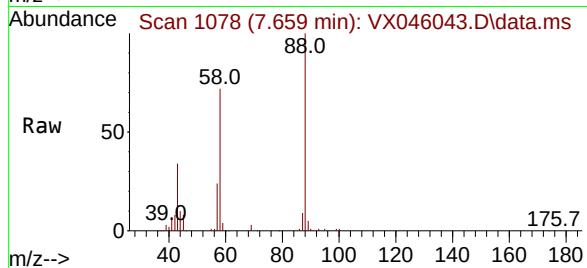
58 73.3 58.6 88.0

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

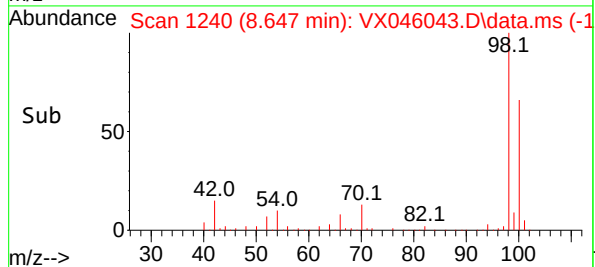
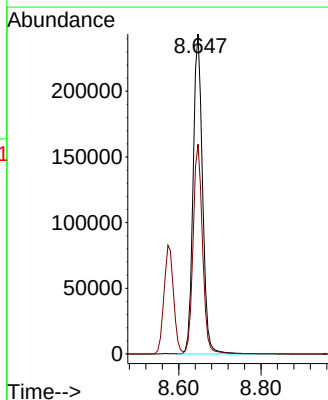
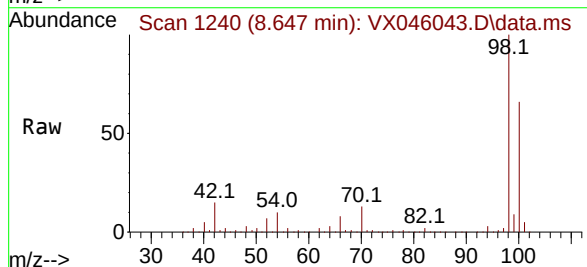
Acq: 05 May 2025 12:21

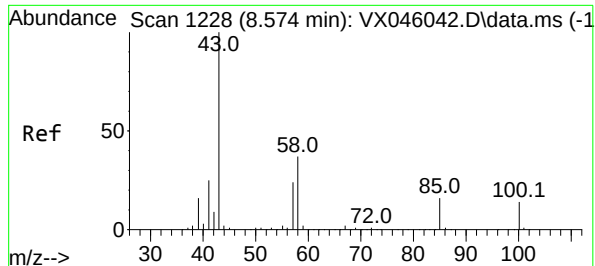
Tgt Ion: 98 Resp: 387230

Ion Ratio Lower Upper

98 100

100 65.2 53.5 80.3





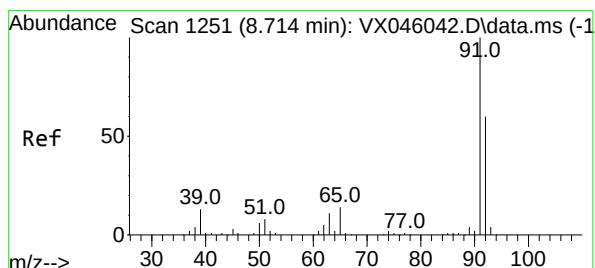
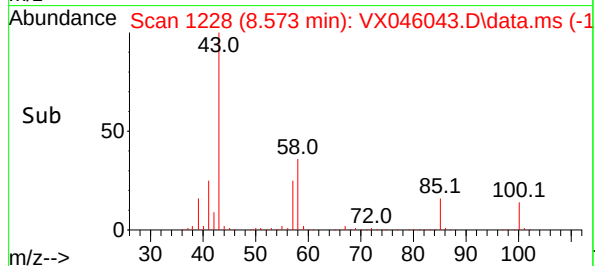
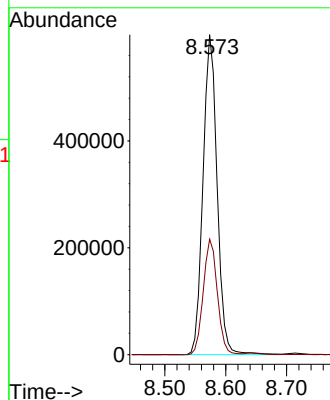
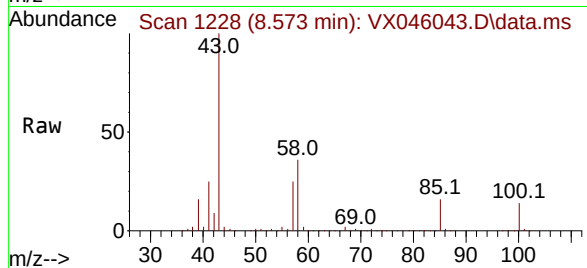
#51
4-Methyl-2-Pentanone
Concen: 384.740 ug/l
RT: 8.573 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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

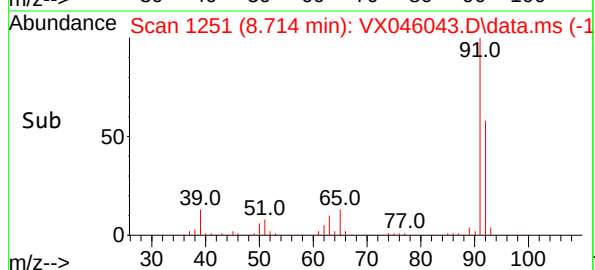
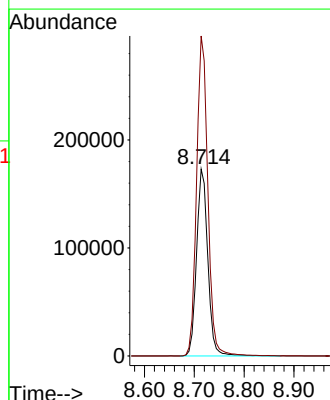
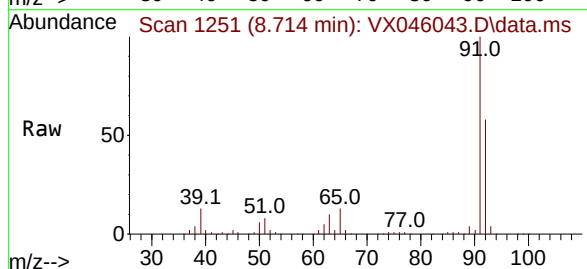
Manual Integrations
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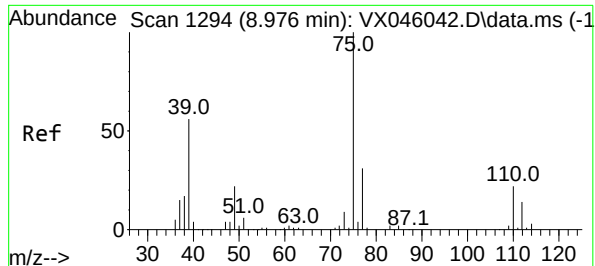
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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 :

VSTDICC100

Tgt Ion: 75 Resp: 16986

Ion Ratio Lower Upper

75 100

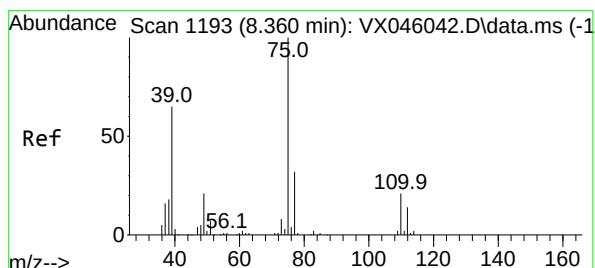
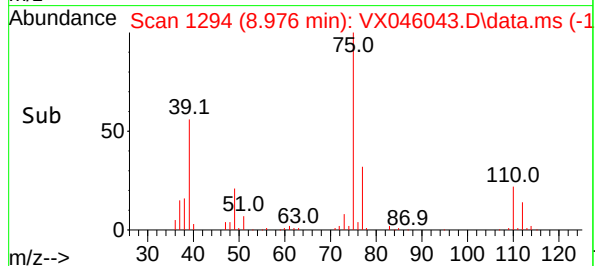
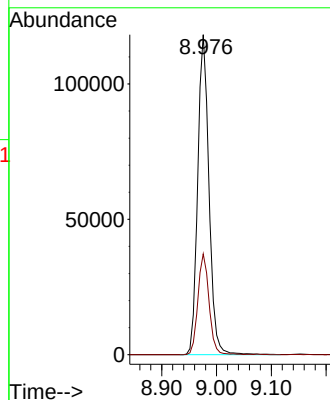
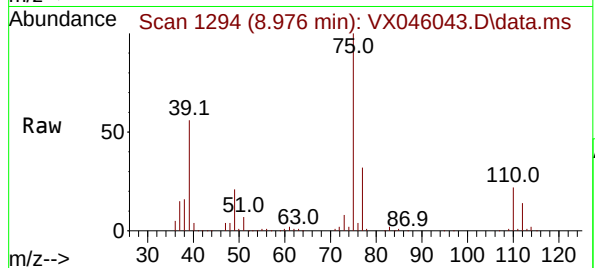
77 31.5 25.0 37.6

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

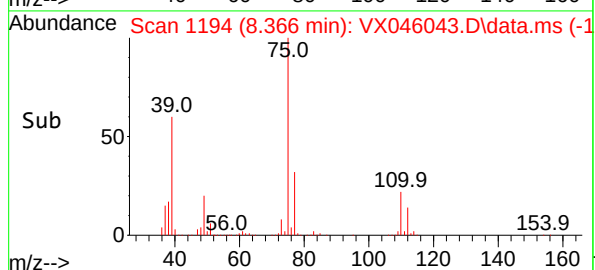
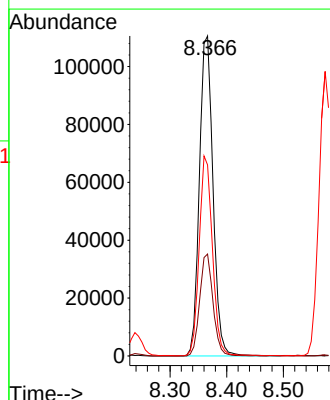
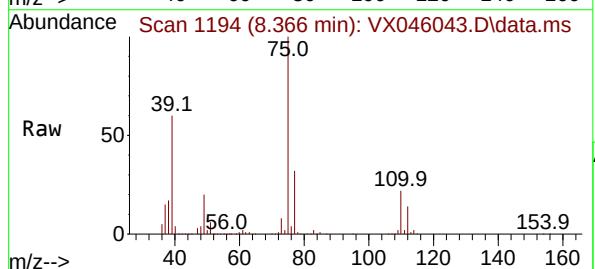
Tgt Ion: 75 Resp: 184134

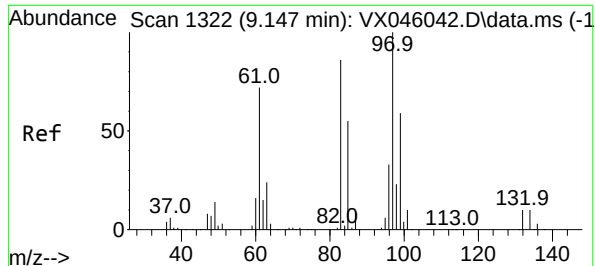
Ion Ratio Lower Upper

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

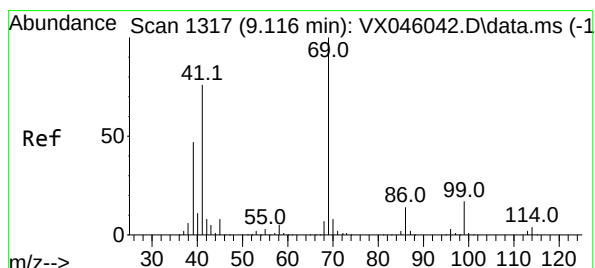
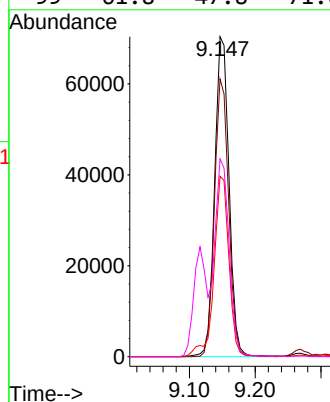
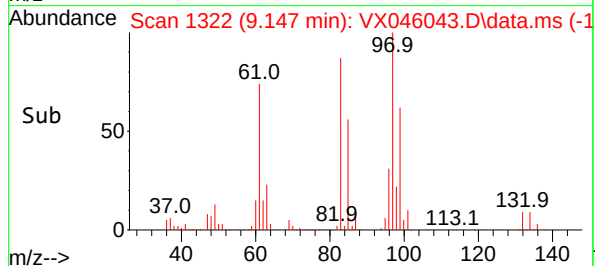
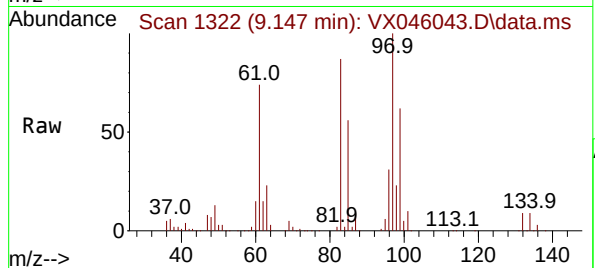
99 61.8 47.8 71.6

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

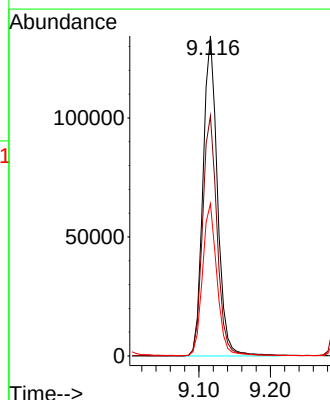
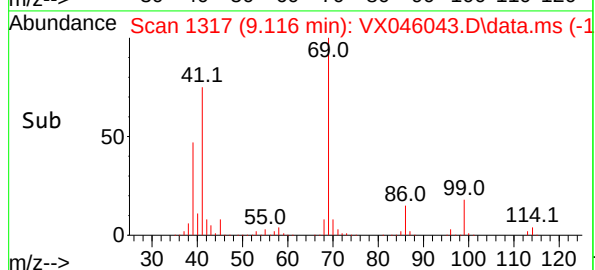
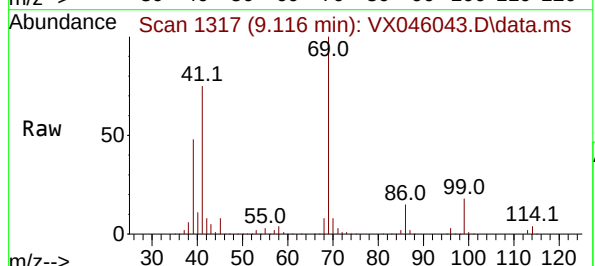
Tgt Ion: 69 Resp: 188717

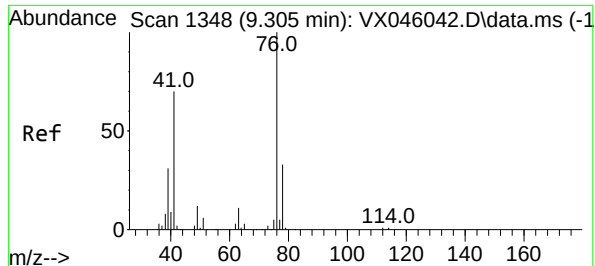
Ion Ratio Lower Upper

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

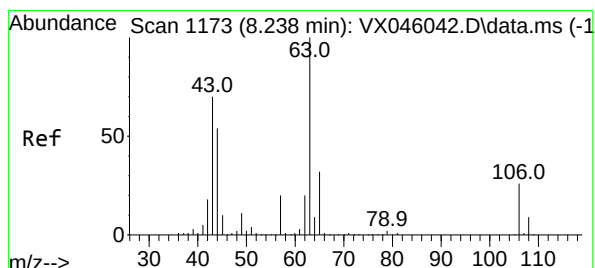
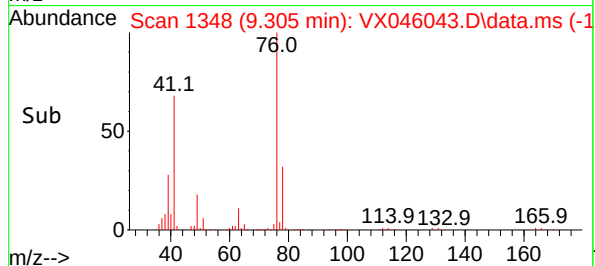
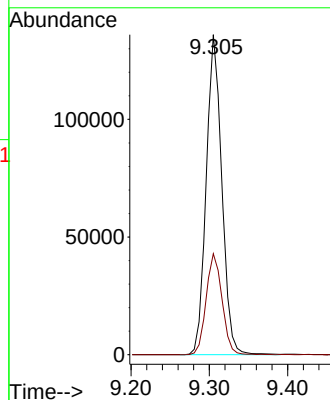
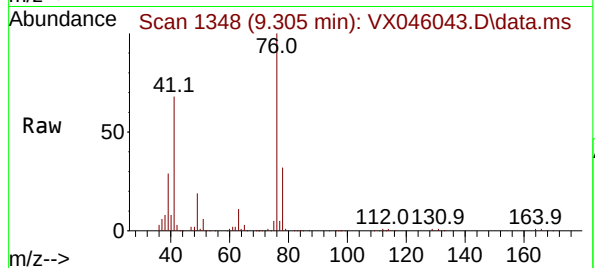
78 32.1 26.3 39.5

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

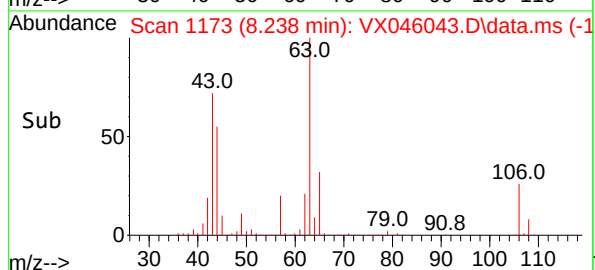
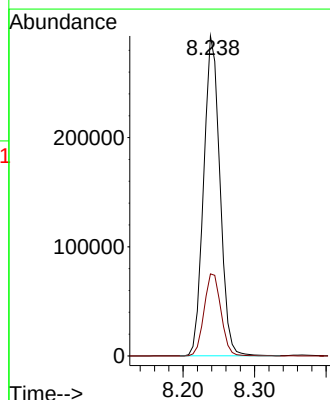
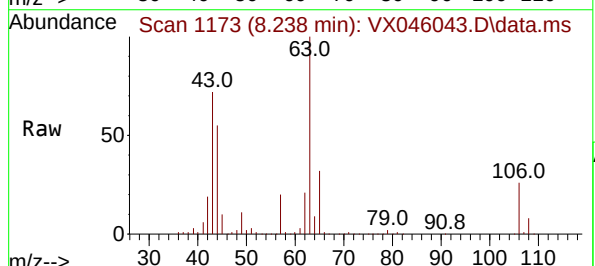
Acq: 05 May 2025 12:21

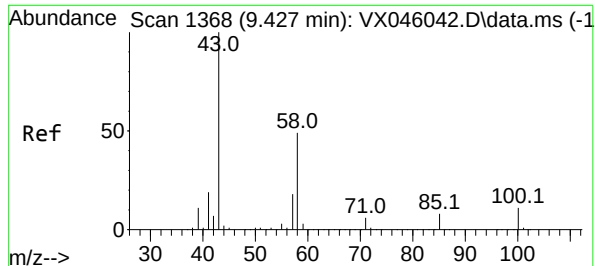
Tgt Ion: 63 Resp: 463169

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

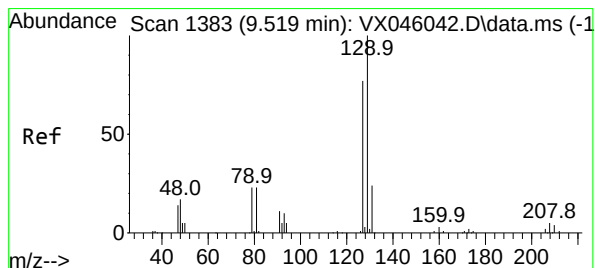
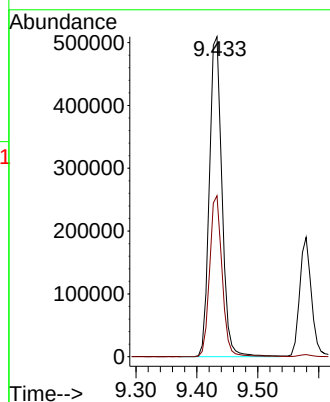
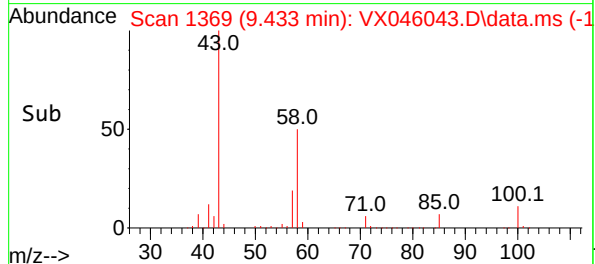
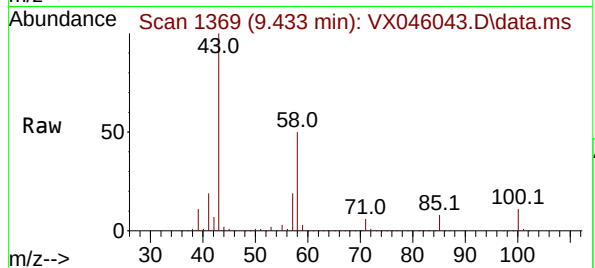
58 49.9 24.9 74.6

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

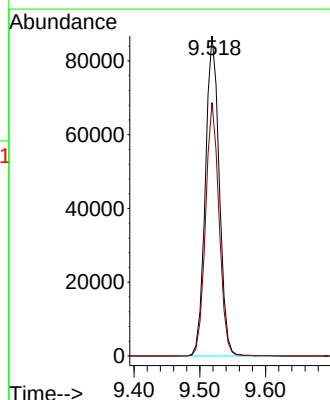
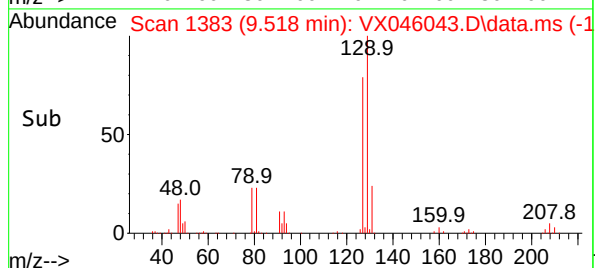
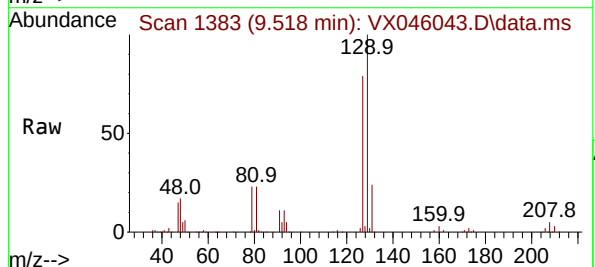
Acq: 05 May 2025 12:21

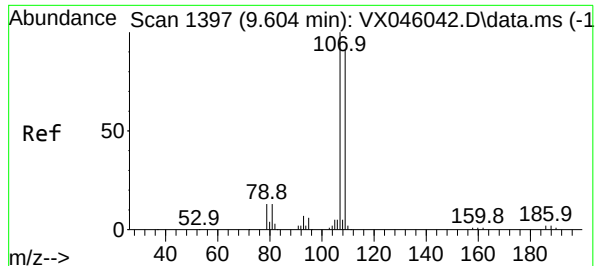
Tgt Ion:129 Resp: 127012

Ion Ratio Lower Upper

129 100

127 77.0 39.3 117.8





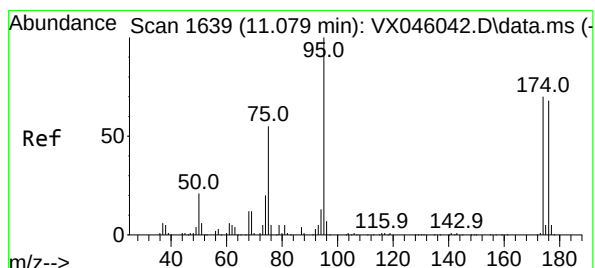
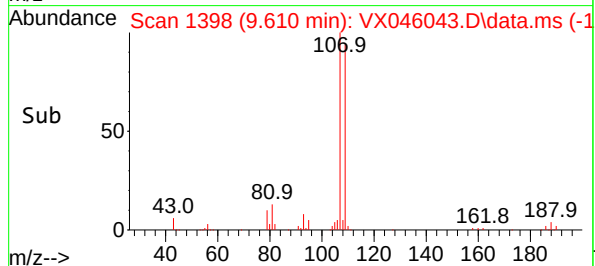
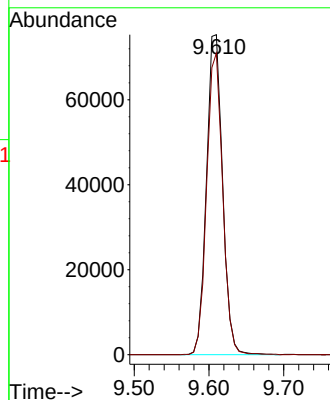
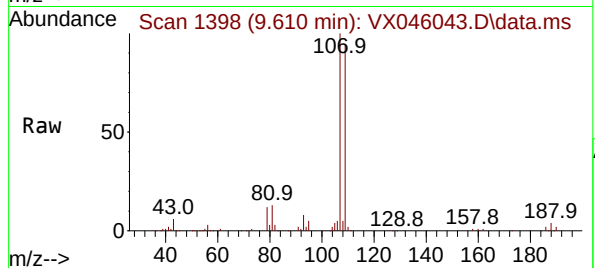
#61
1,2-Dibromoethane
Concen: 74.200 ug/l
RT: 9.610 min Scan# 11266
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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

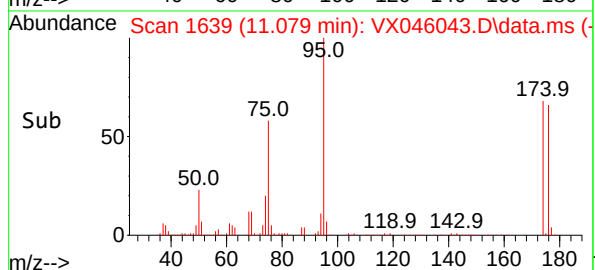
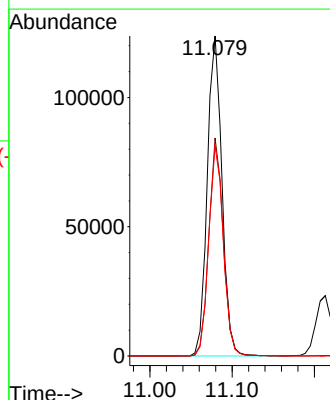
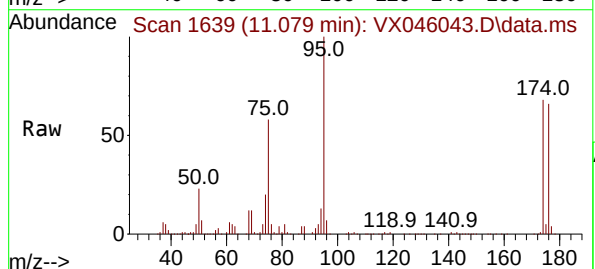
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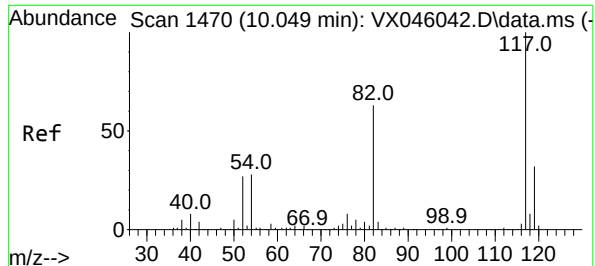
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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 :

VSTDIC100

Tgt Ion:117 Resp: 135214

Ion Ratio Lower Upper

117 100

82 61.7 50.6 76.0

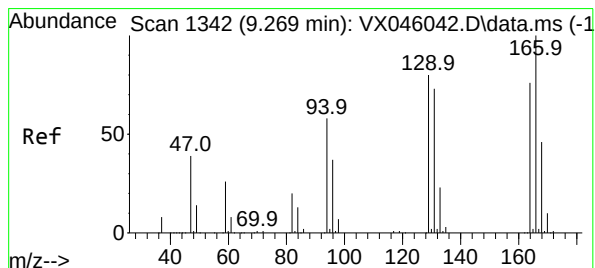
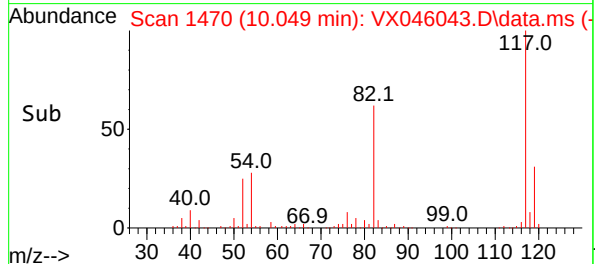
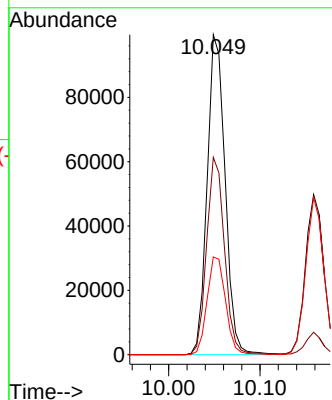
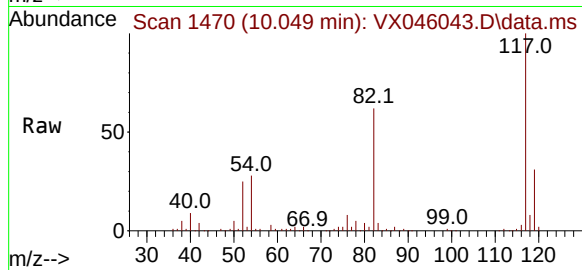
119 30.6 25.8 38.6

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

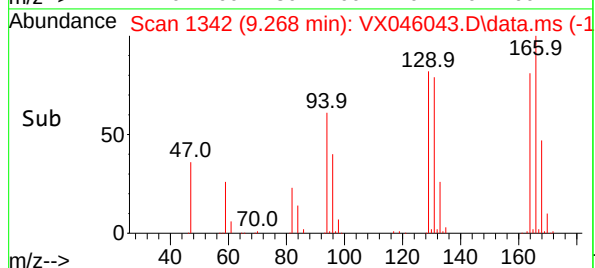
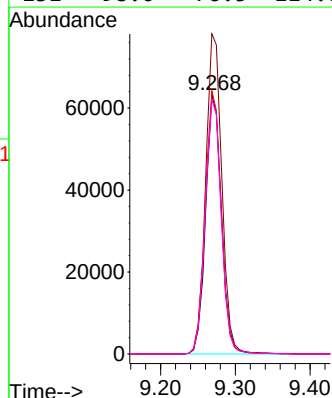
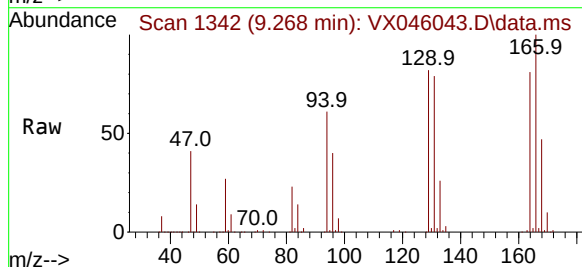
Ion Ratio Lower Upper

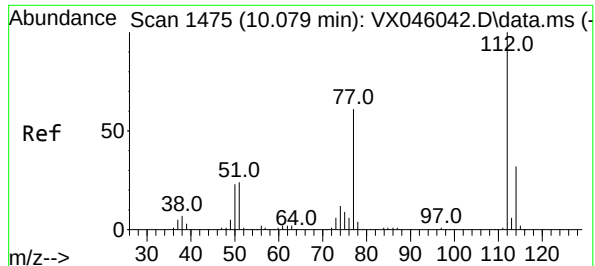
164 100

166 123.4 105.0 157.6

129 101.4 83.5 125.3

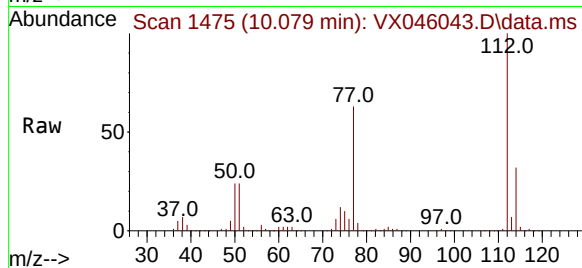
131 98.0 76.5 114.7





#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

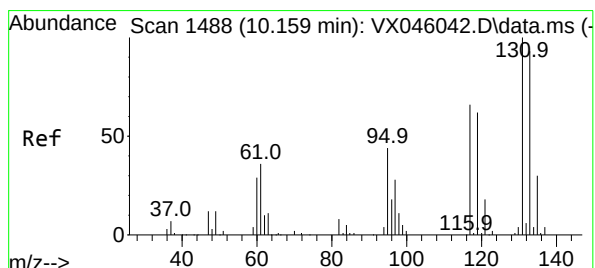
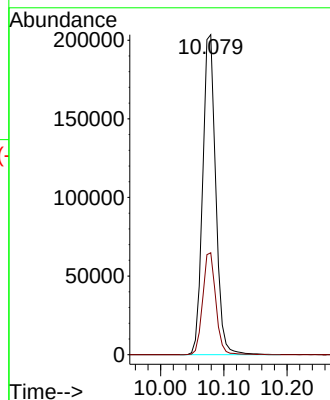
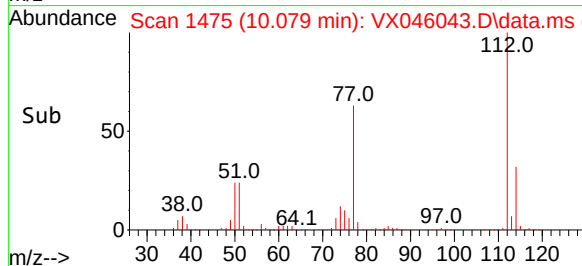
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



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

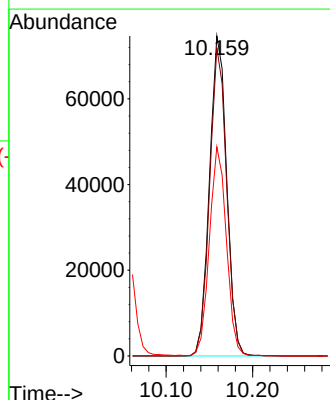
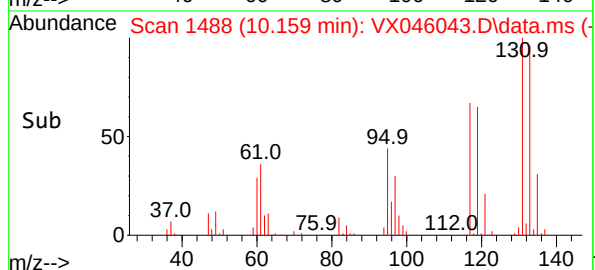
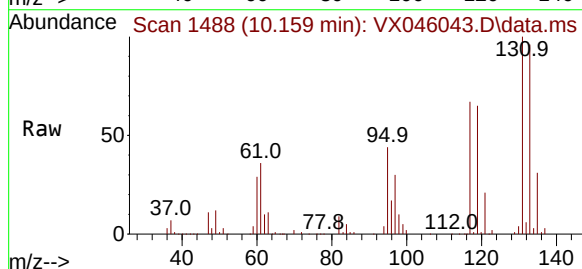
Manual Integrations
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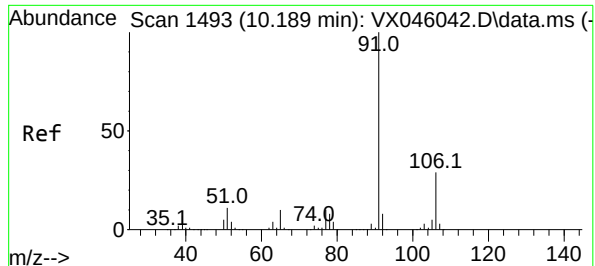
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 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

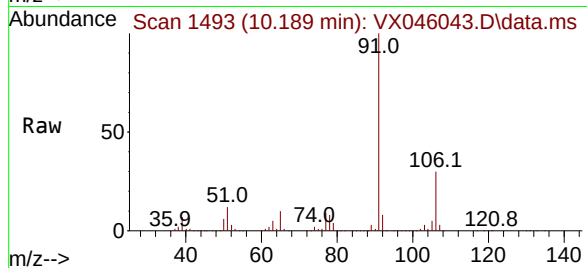
Tgt Ion:131 Resp: 103177
Ion Ratio Lower Upper
131 100
133 95.3 47.3 141.9
119 64.5 31.6 95.0





#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

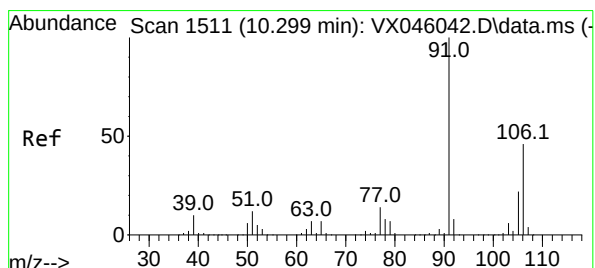
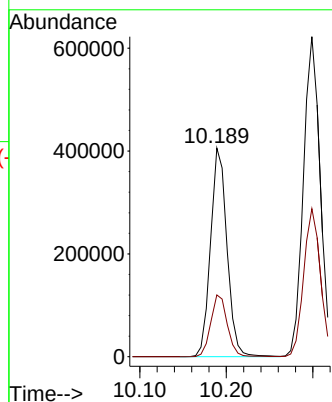
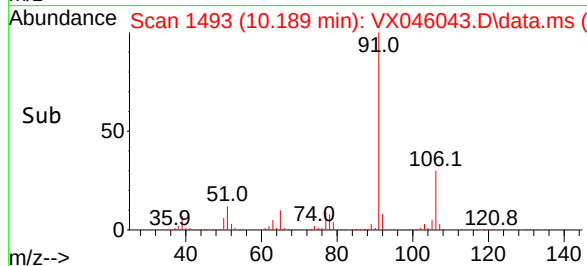
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion: 91 Resp: 53512
Ion Ratio Lower Upper
91 100
106 29.6 23.4 35.2

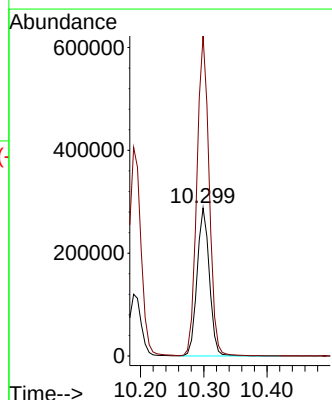
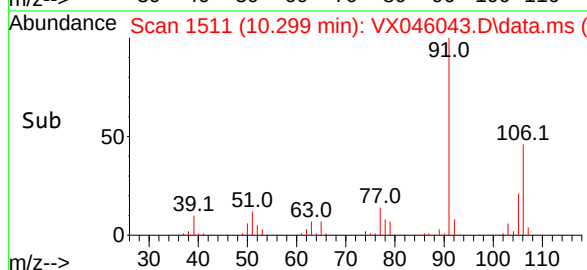
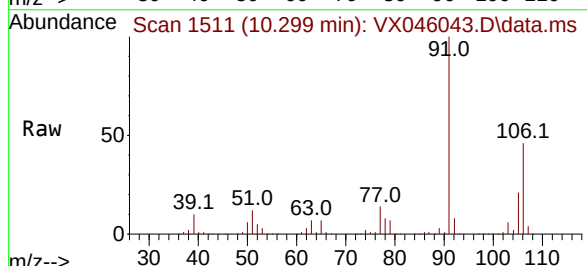
Manual Integrations
APPROVED

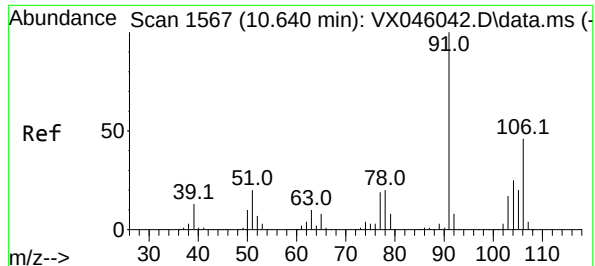
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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





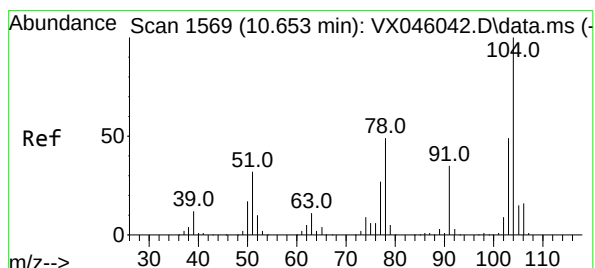
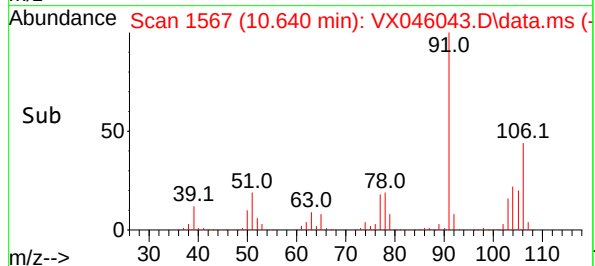
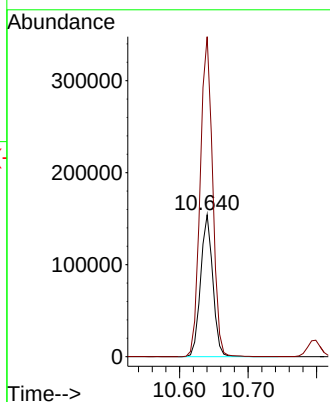
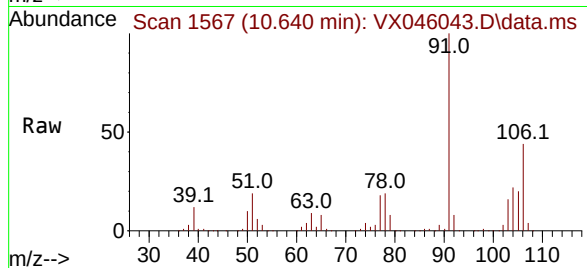
#69
o-Xylene
Concen: 73.890 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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

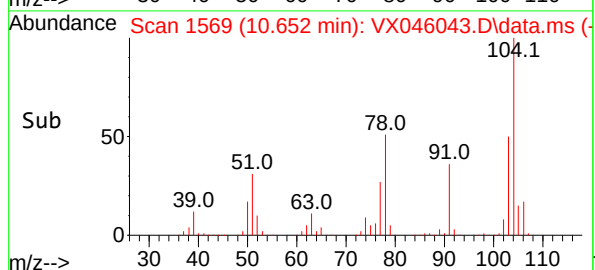
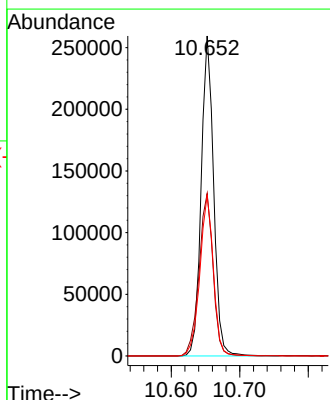
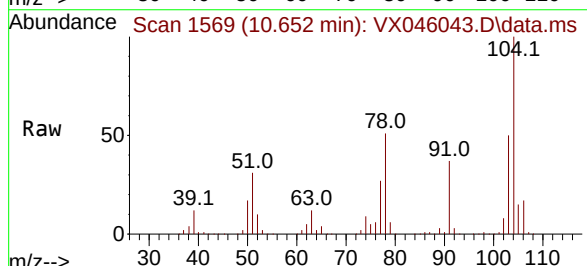
Manual Integrations
APPROVED

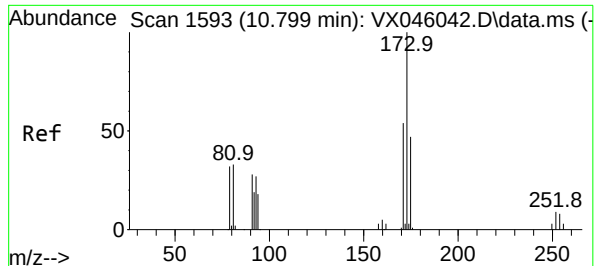
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

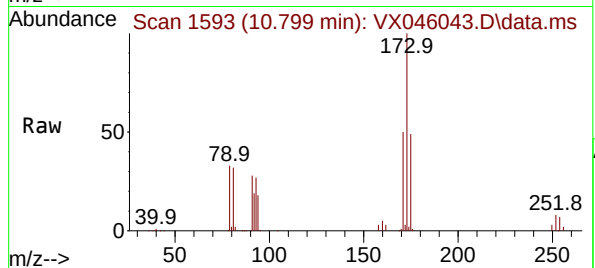
Tgt Ion:104 Resp: 328195
Ion Ratio Lower Upper
104 100
78 57.4 45.7 68.5
103 54.8 43.7 65.5





#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

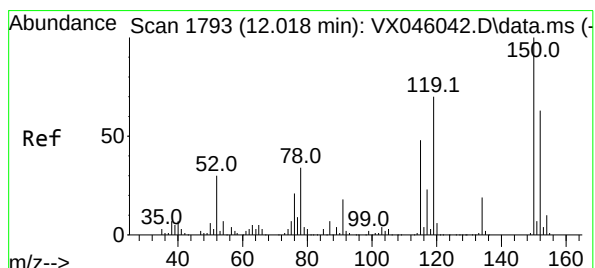
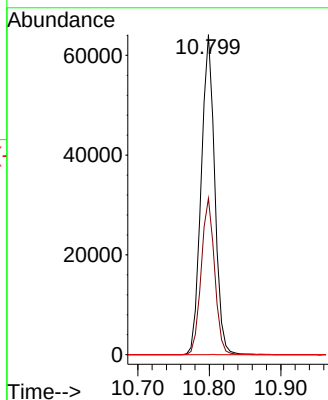
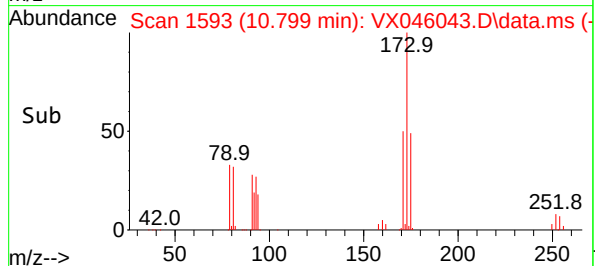
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



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

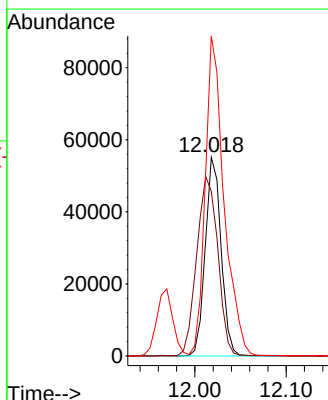
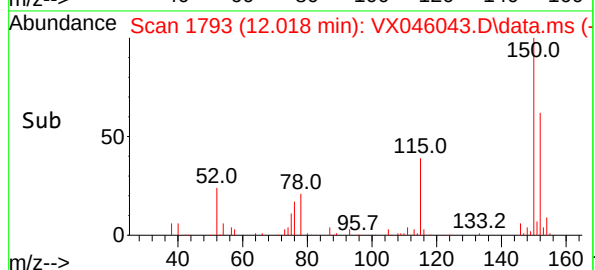
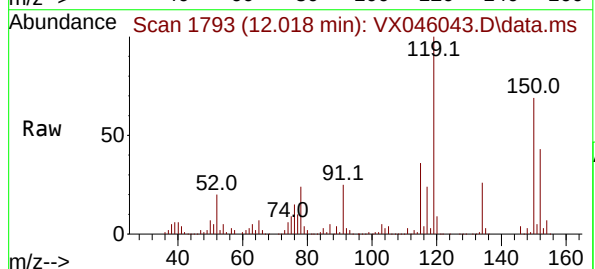
Manual Integrations
APPROVED

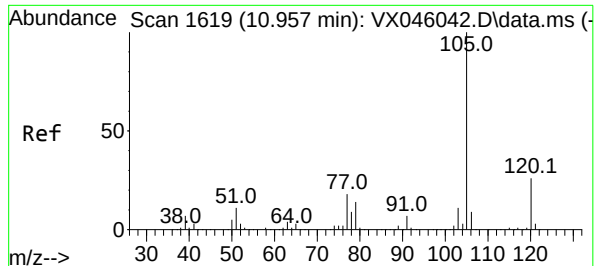
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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





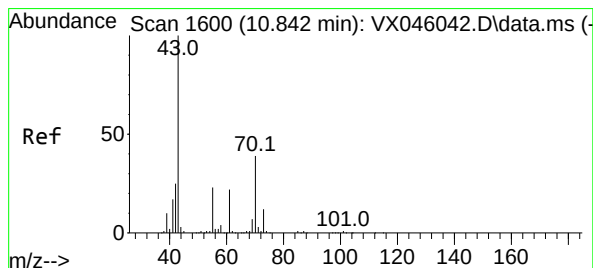
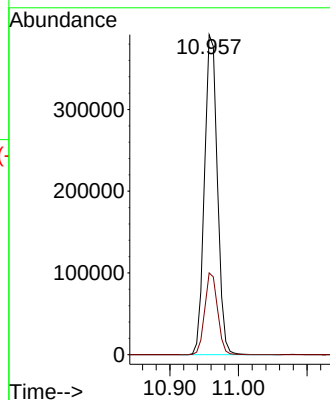
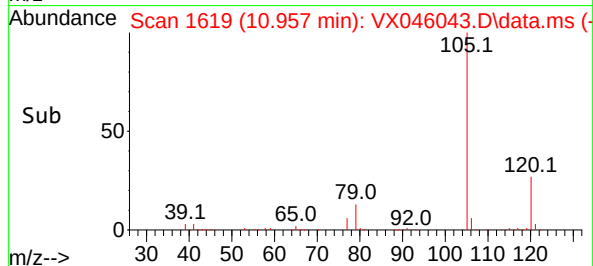
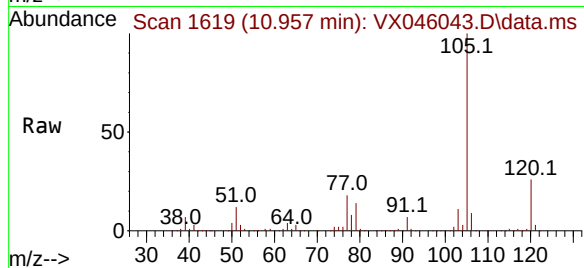
#73
Isopropylbenzene
Concen: 71.083 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

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

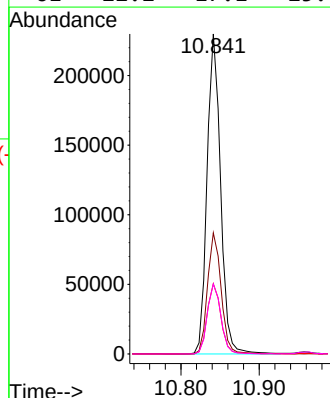
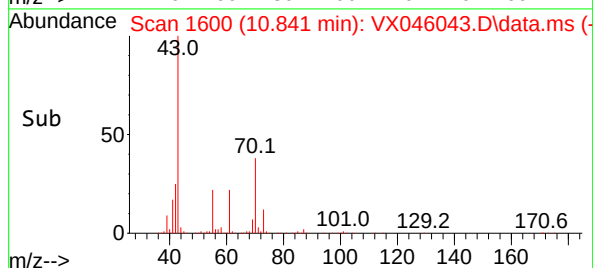
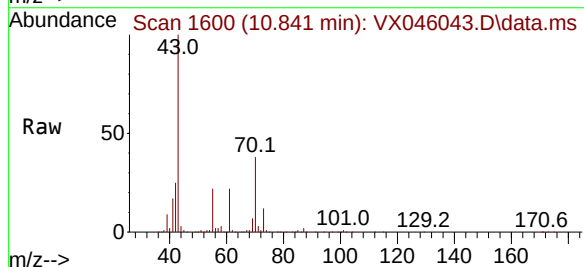
Manual Integrations
APPROVED

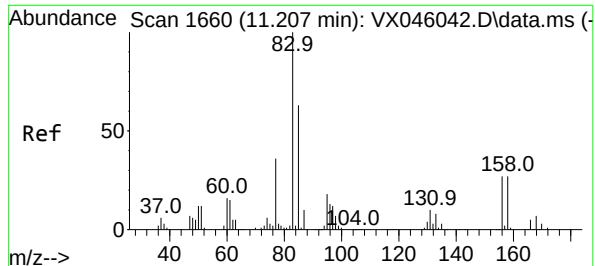
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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 :

VSTDIC100

Tgt Ion: 83 Resp: 17048

Ion Ratio Lower Upper

83 100

131 9.7 5.0 14.9

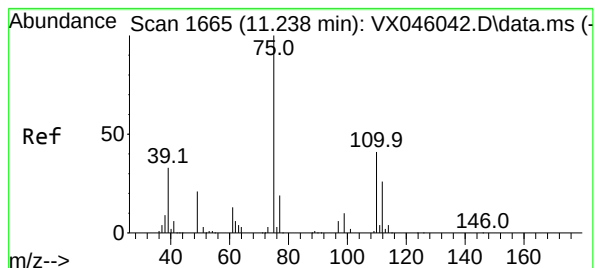
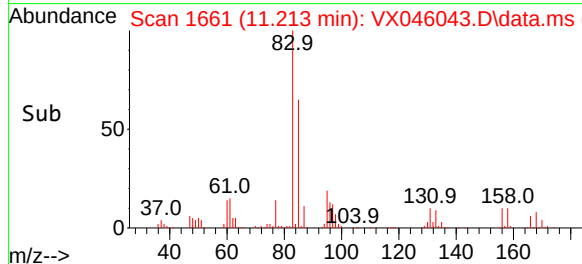
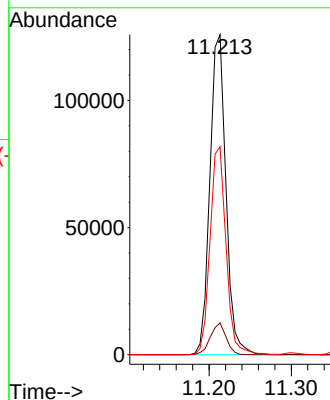
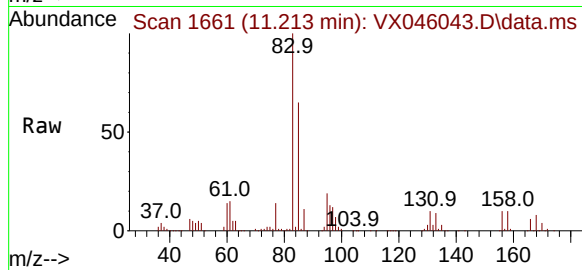
85 64.9 31.9 95.7

Manual Integrations

APPROVED

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

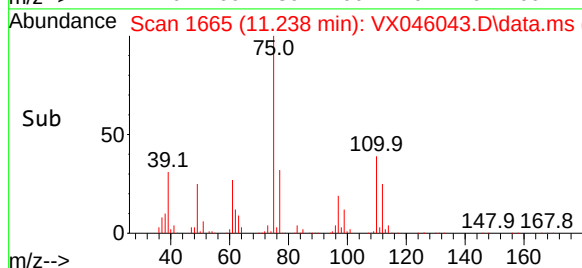
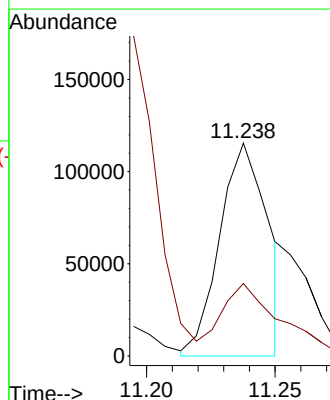
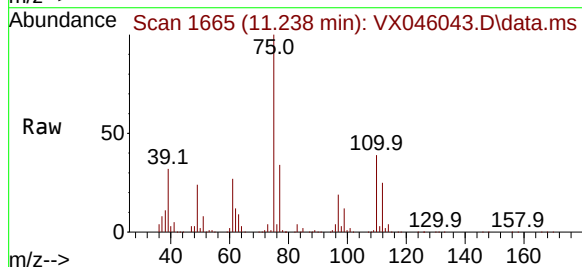
Acq: 05 May 2025 12:21

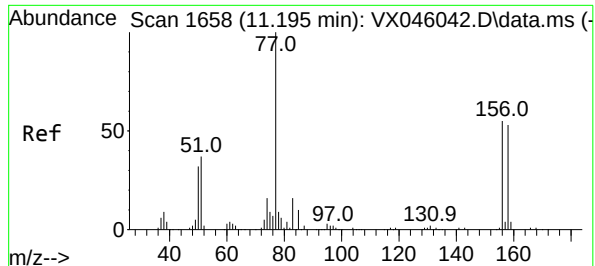
Tgt Ion: 75 Resp: 150182

Ion Ratio Lower Upper

75 100

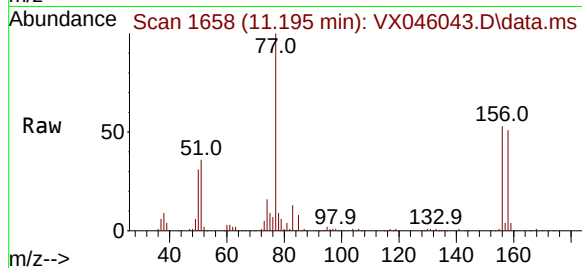
77 42.2 20.5 61.5





#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

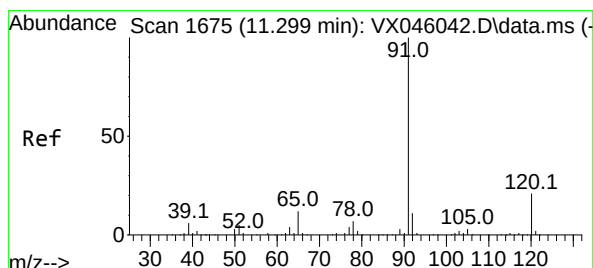
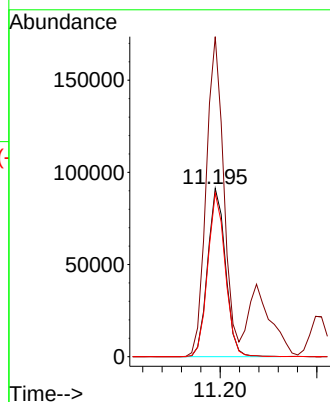
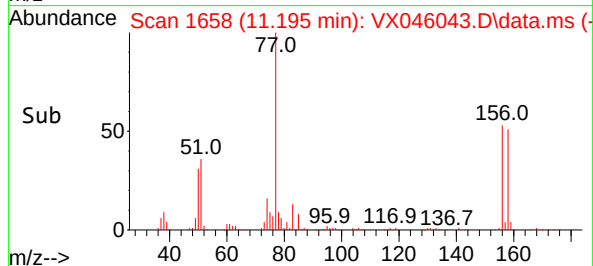
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



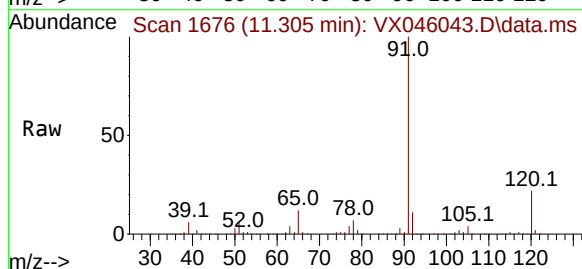
Tgt Ion:156 Resp: 11715
Ion Ratio Lower Upper
156 100
77 187.4 92.8 278.3
158 96.1 48.8 146.3

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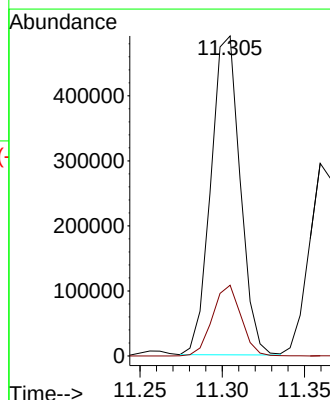
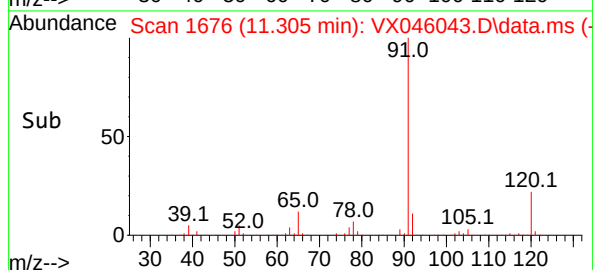
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

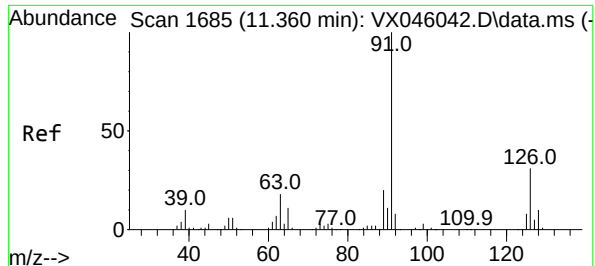


#78
n-propylbenzene
Concen: 74.974 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21



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





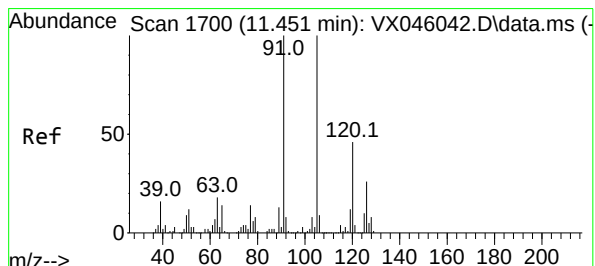
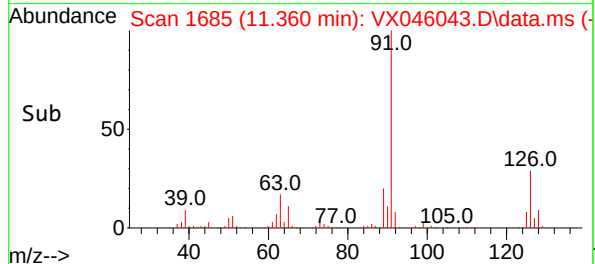
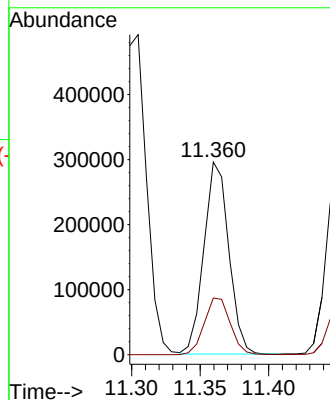
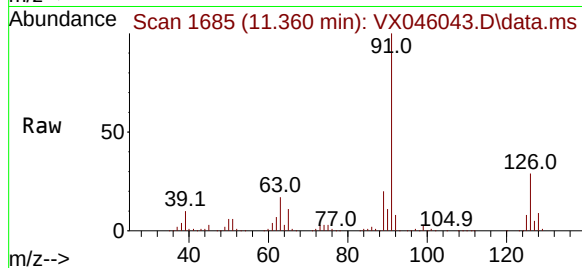
#79
2-Chlorotoluene
Concen: 68.100 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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

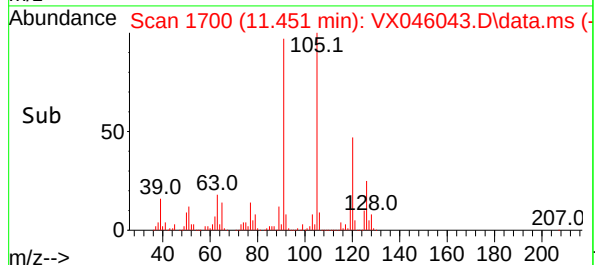
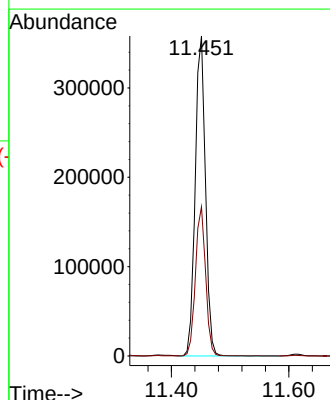
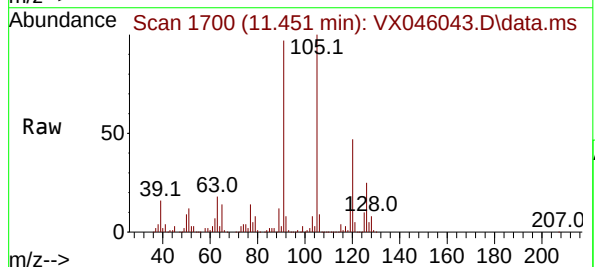
Manual Integrations
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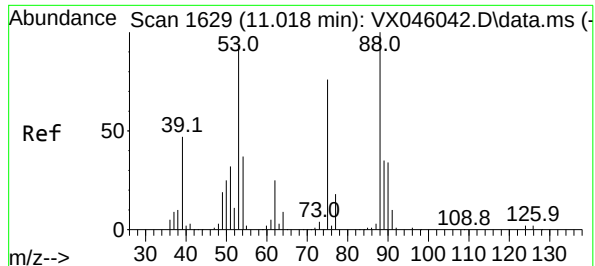
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

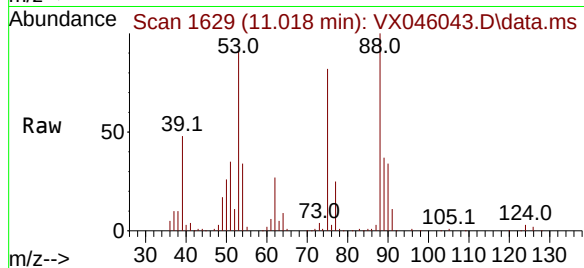
Tgt Ion:105 Resp: 432096
Ion Ratio Lower Upper
105 100
120 46.3 23.1 69.2





#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

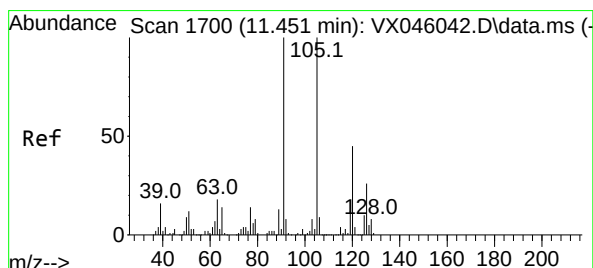
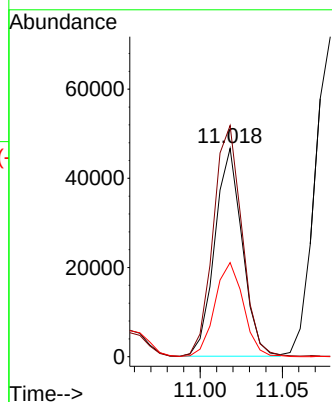
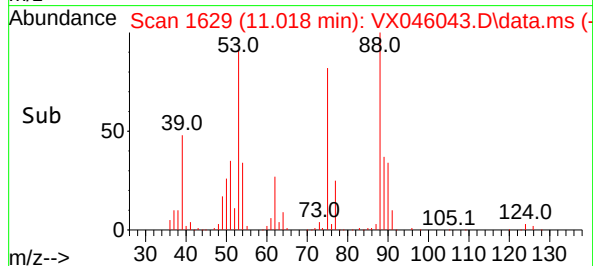
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



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

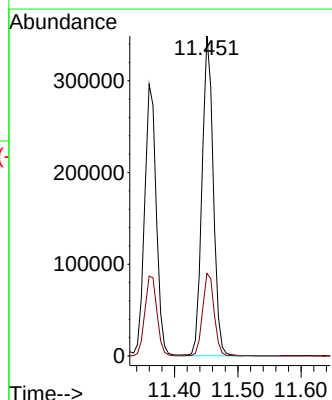
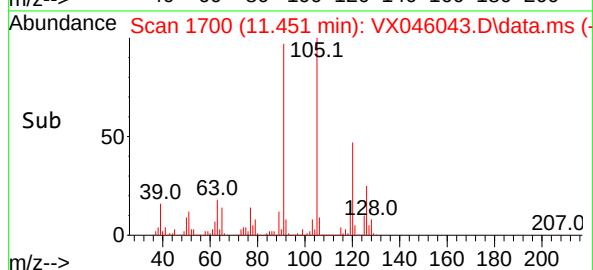
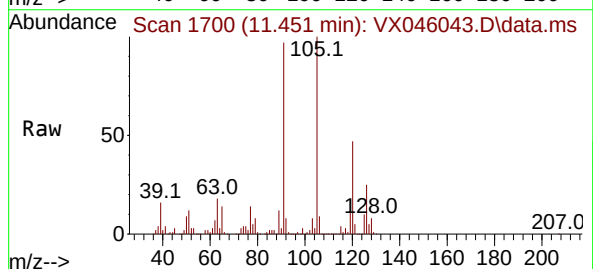
Manual Integrations
APPROVED

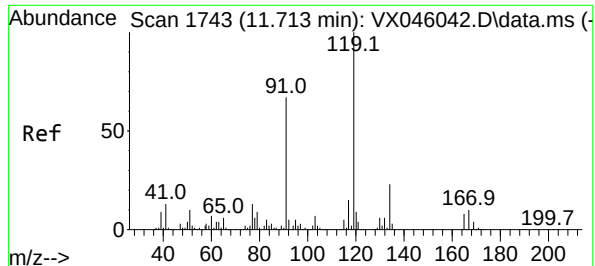
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

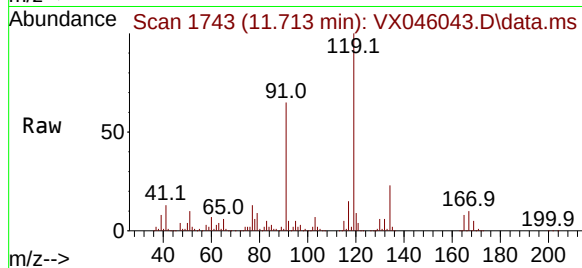
Tgt Ion: 91 Resp: 432053
Ion Ratio Lower Upper
91 100
126 26.5 13.3 39.8





#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

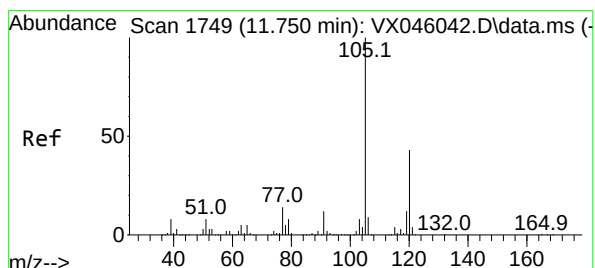
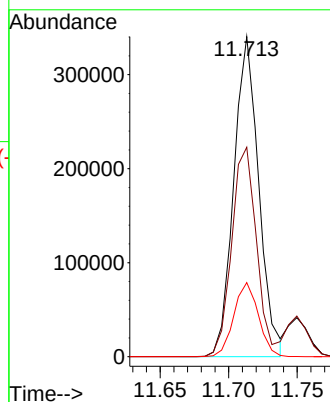
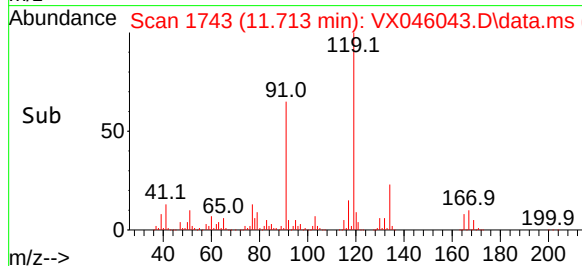
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



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

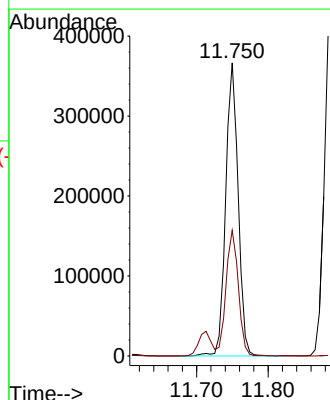
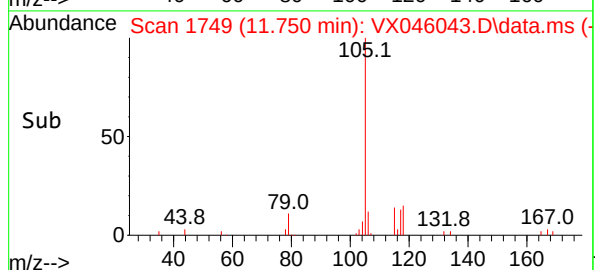
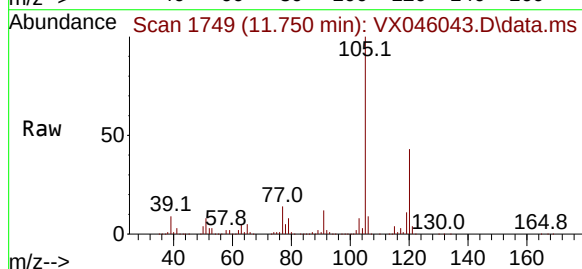
Manual Integrations
APPROVED

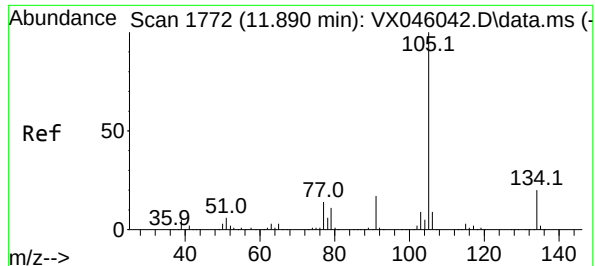
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

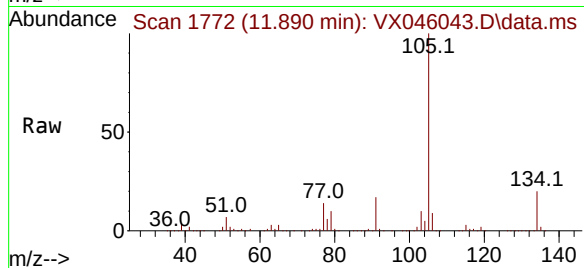
Tgt Ion:105 Resp: 442728
Ion Ratio Lower Upper
105 100
120 42.4 21.2 63.6





#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

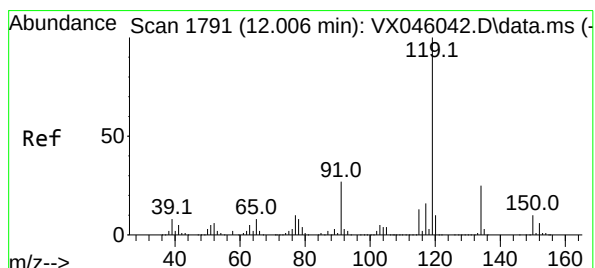
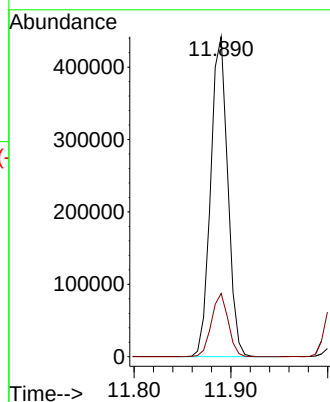
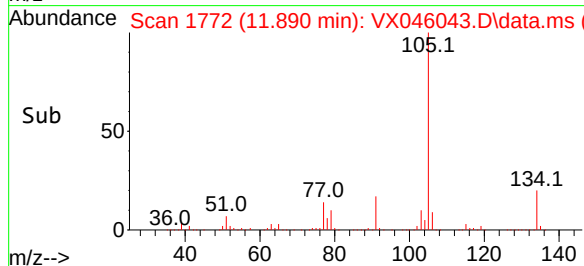
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



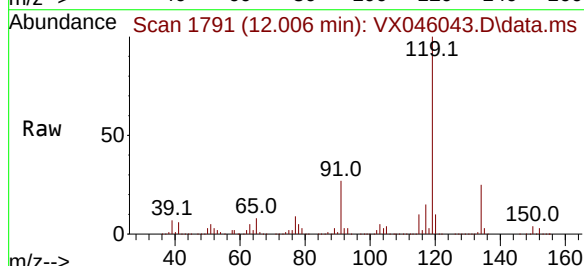
Tgt Ion:105 Resp: 54359
Ion Ratio Lower Upper
105 100
134 19.4 9.7 29.1

Manual Integrations
APPROVED

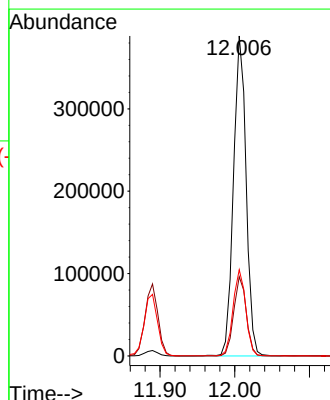
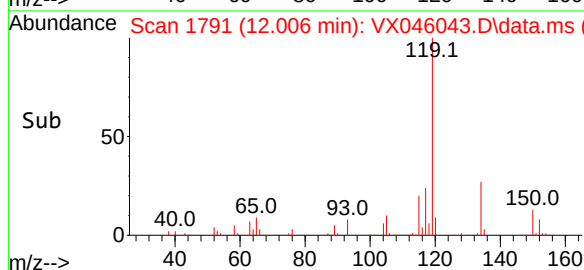
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

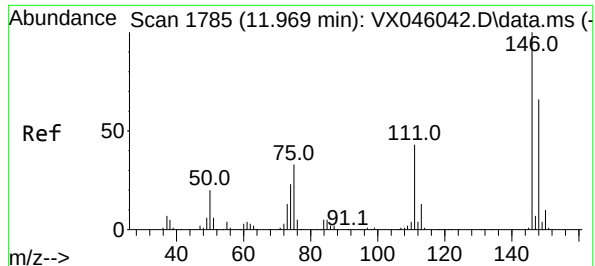


#86
p-Isopropyltoluene
Concen: 77.393 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21



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

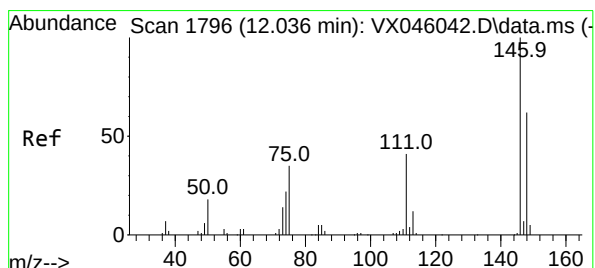
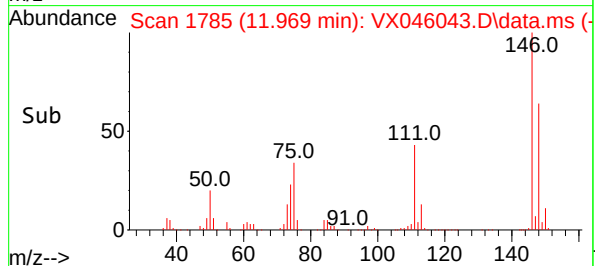
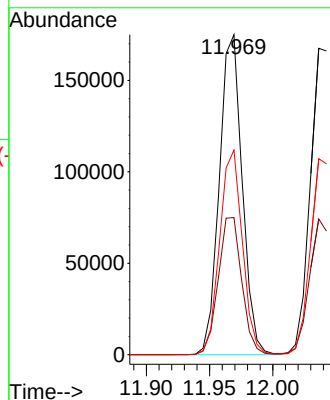
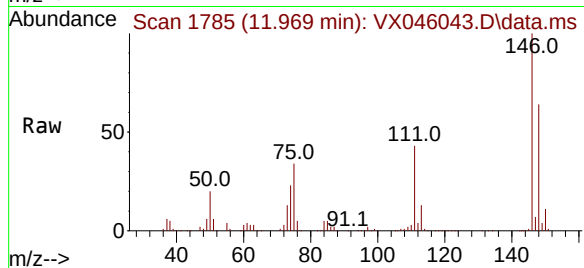
148 63.5 32.1 96.5

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

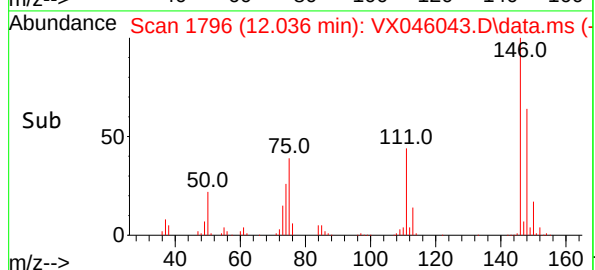
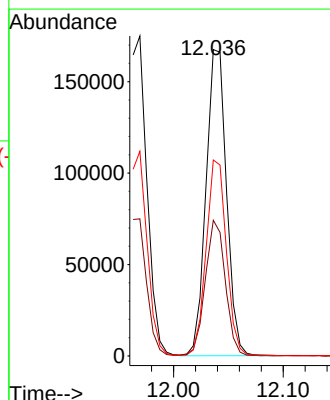
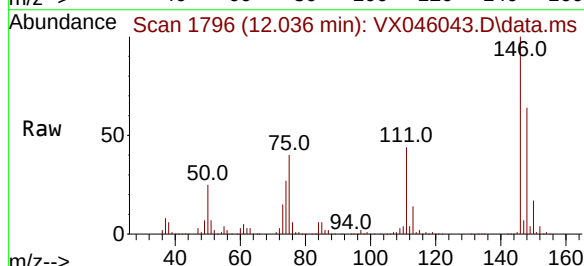
Tgt Ion:146 Resp: 217613

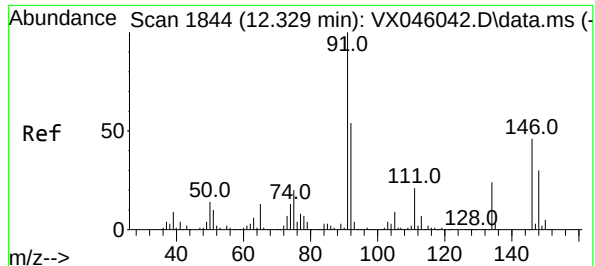
Ion Ratio Lower Upper

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: 416602

Ion Ratio Lower Upper

91 100

92 54.0 26.9 80.7

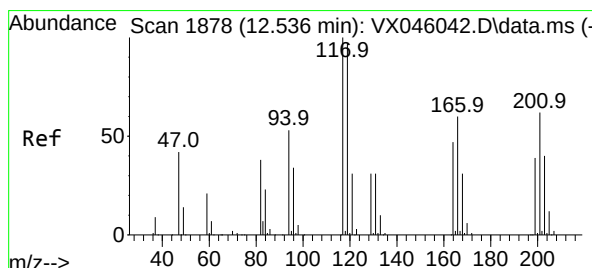
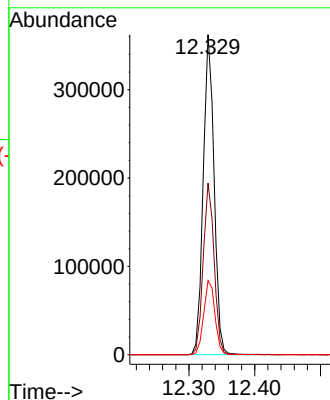
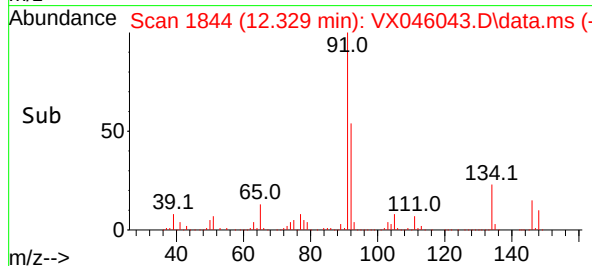
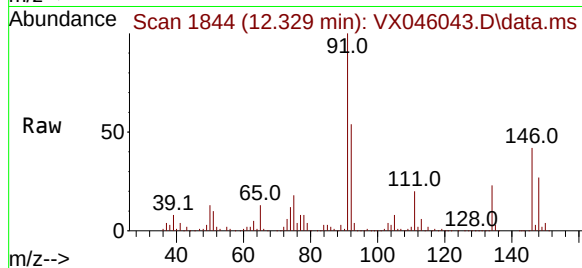
134 24.0 11.8 35.3

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

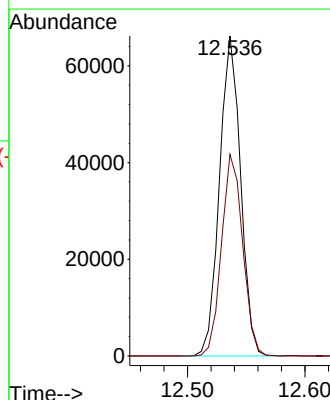
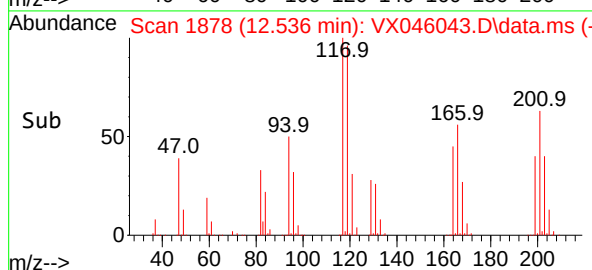
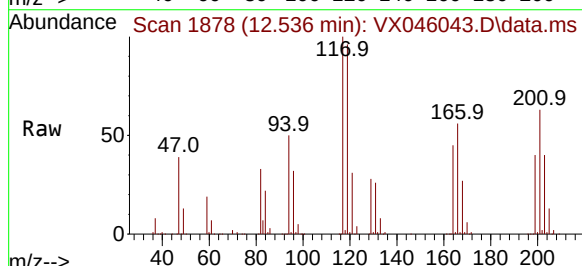
Acq: 05 May 2025 12:21

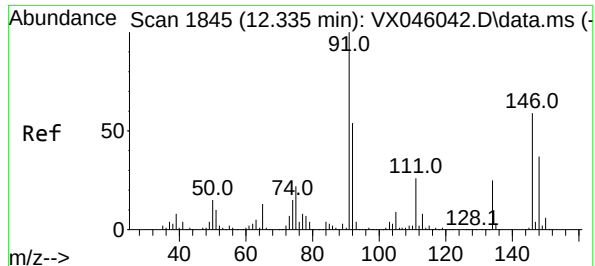
Tgt Ion:117 Resp: 82528

Ion Ratio Lower Upper

117 100

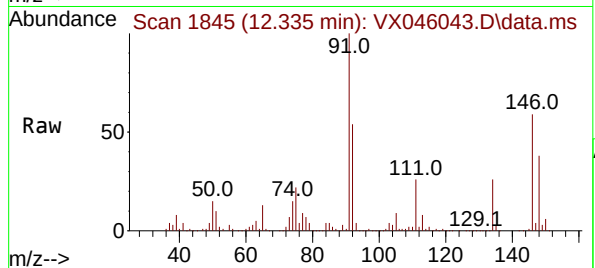
201 63.3 31.6 94.7





#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

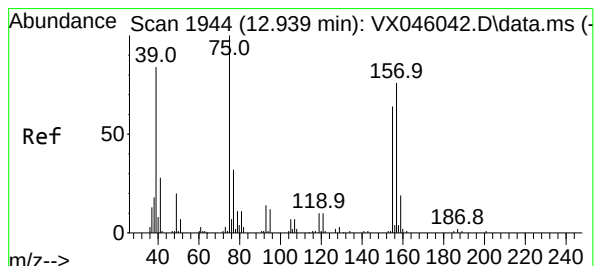
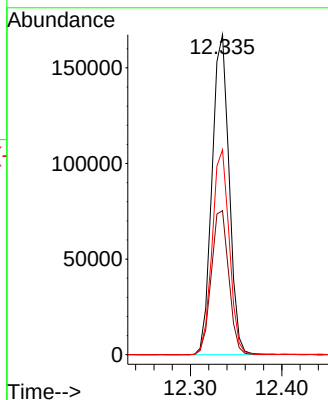
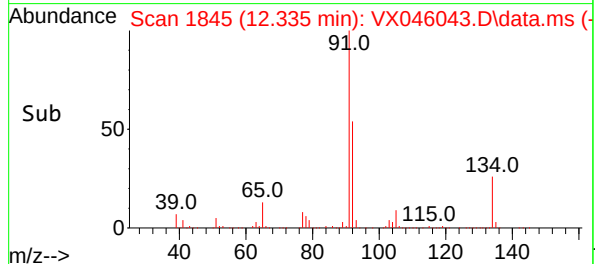
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



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

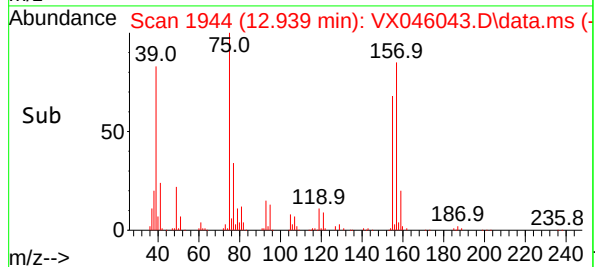
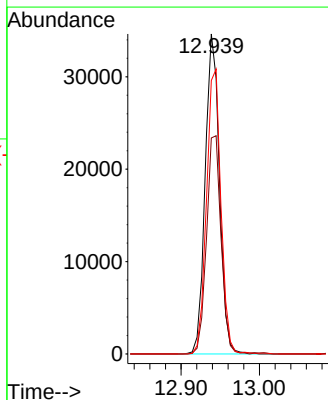
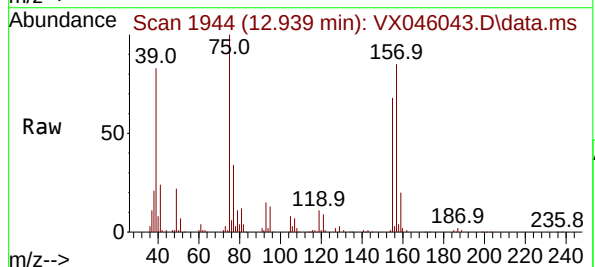
Manual Integrations
APPROVED

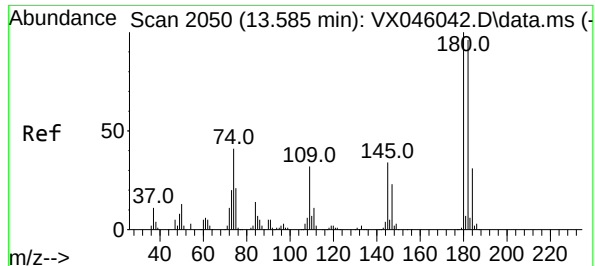
Reviewed By :John Carbone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

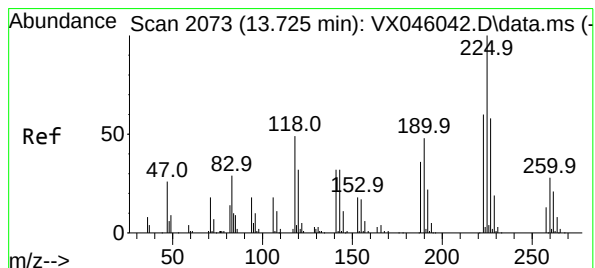
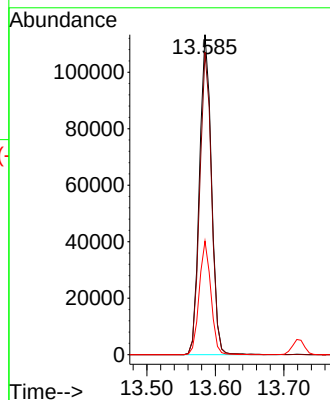
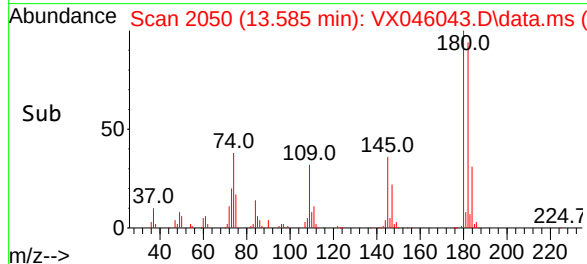
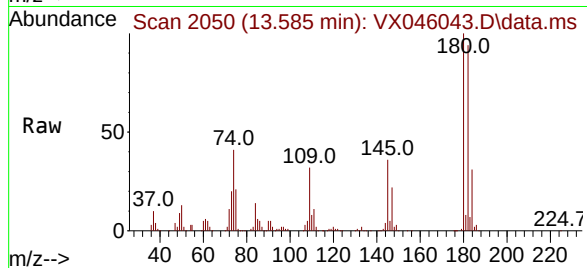
145 34.6 17.1 51.2

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

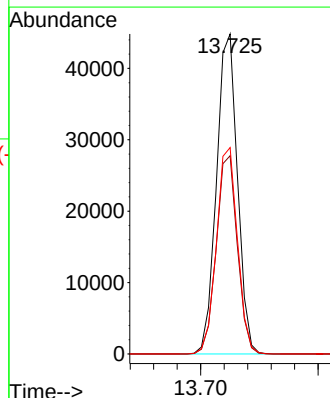
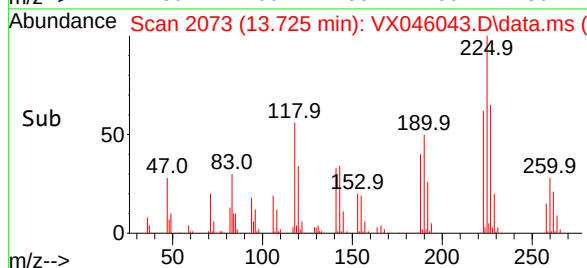
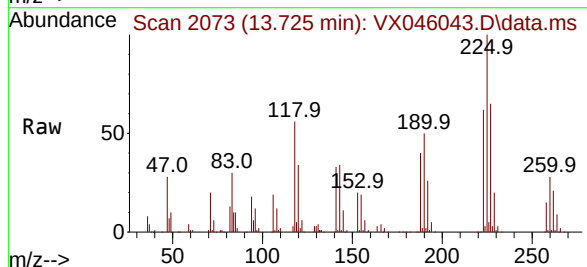
Tgt Ion:225 Resp: 55494

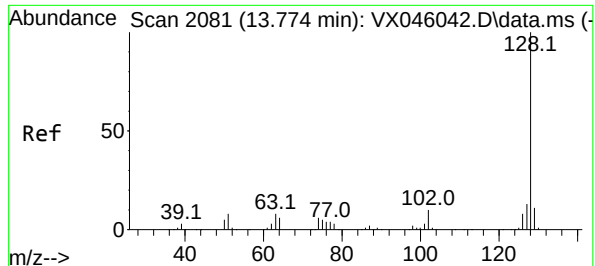
Ion Ratio Lower Upper

225 100

223 62.3 30.8 92.4

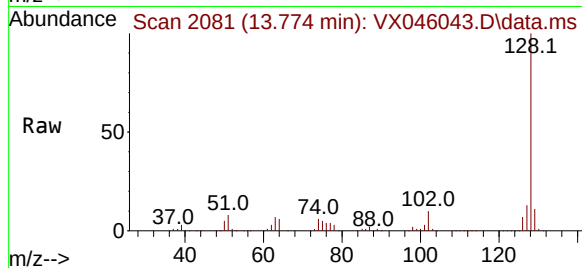
227 64.9 30.9 92.7





#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

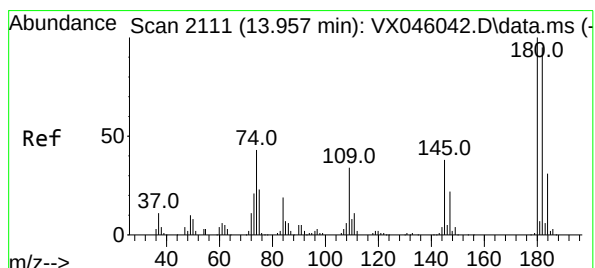
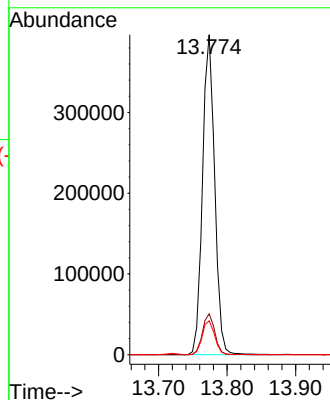
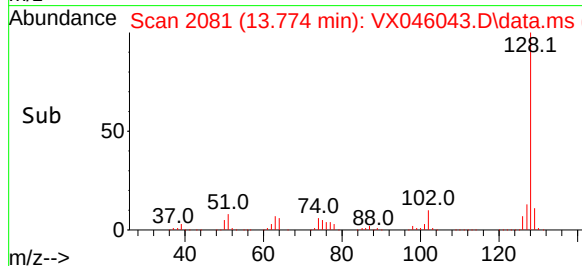
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



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

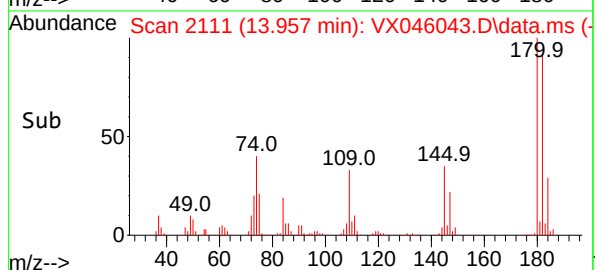
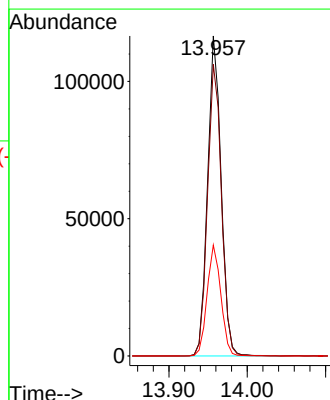
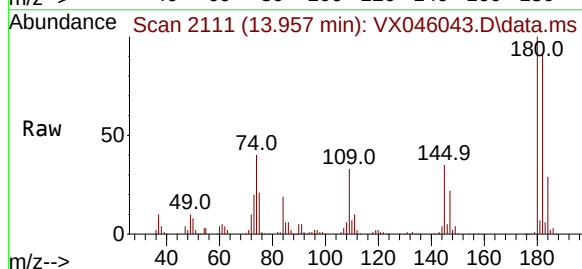
Manual Integrations
APPROVED

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

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)

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)

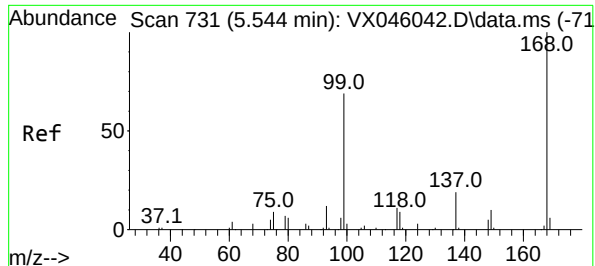
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

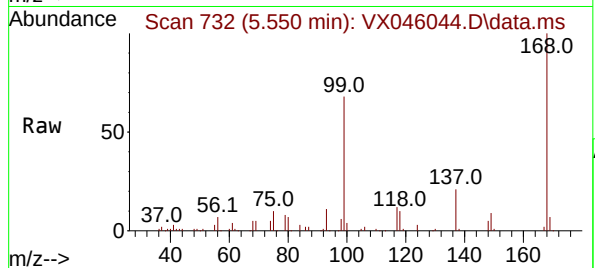
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025





#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

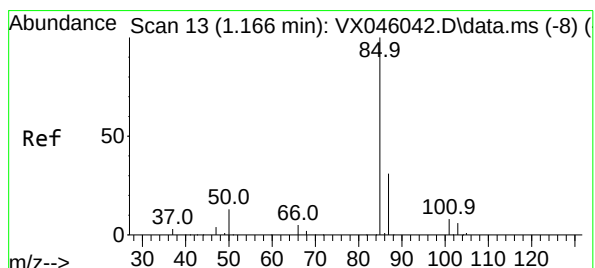
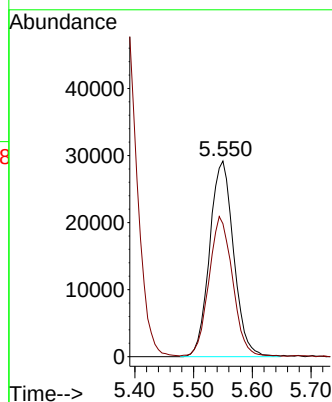
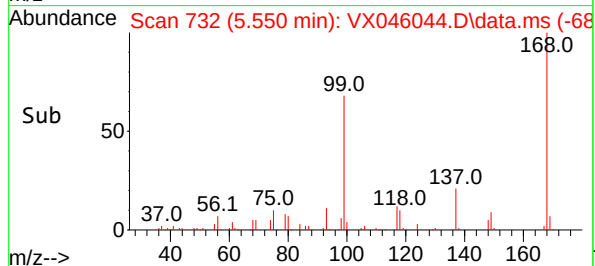
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150



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

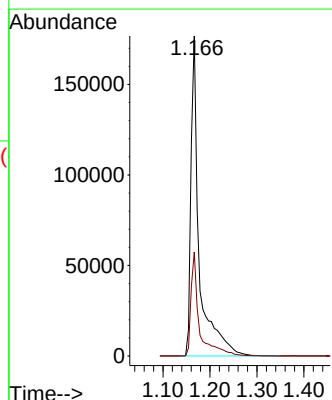
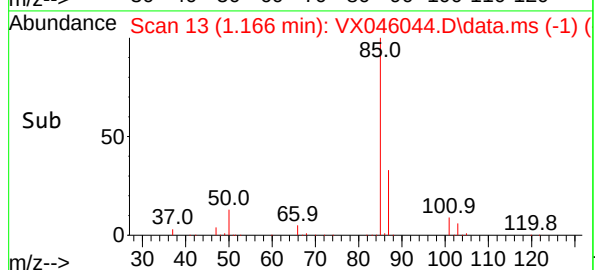
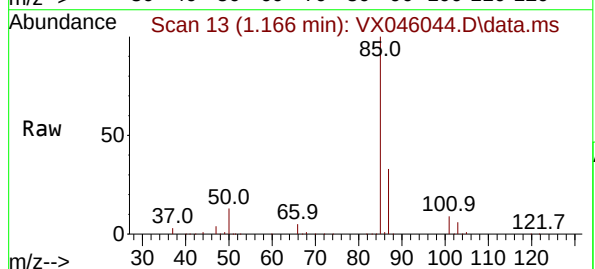
Manual Integrations
APPROVED

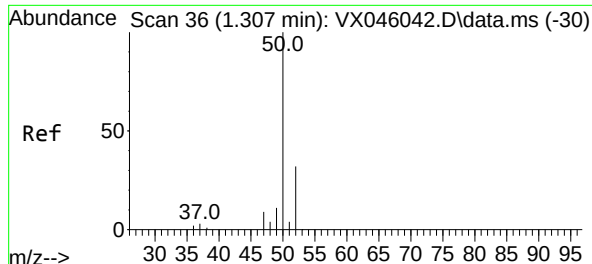
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

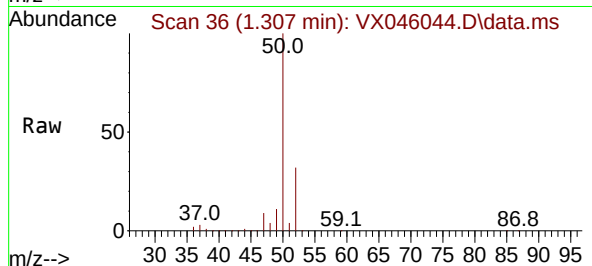
Tgt Ion: 85 Resp: 217793
Ion Ratio Lower Upper
85 100
87 32.5 15.7 47.1





#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

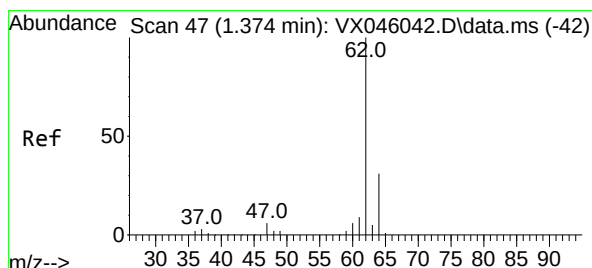
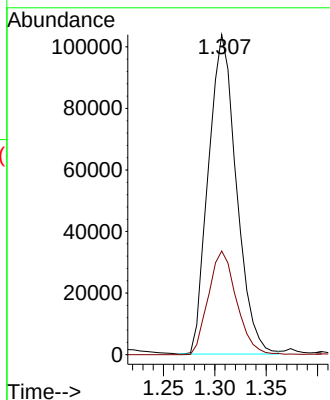
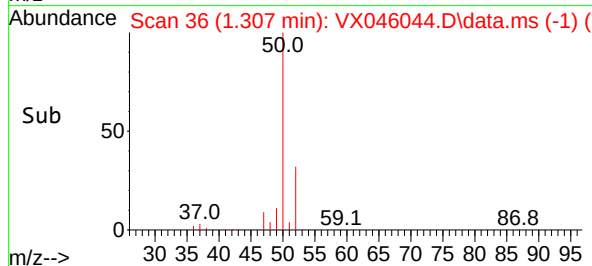
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



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

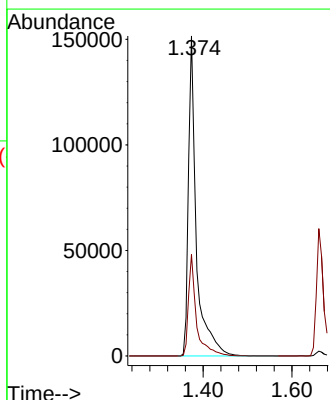
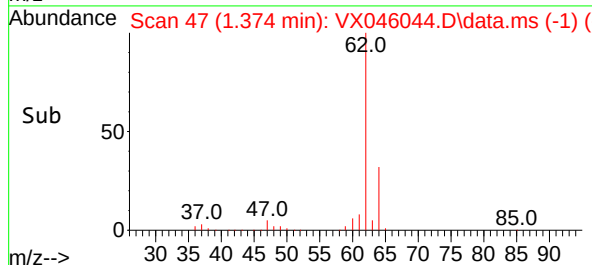
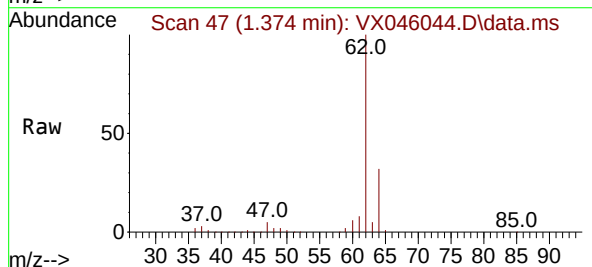
Manual Integrations
APPROVED

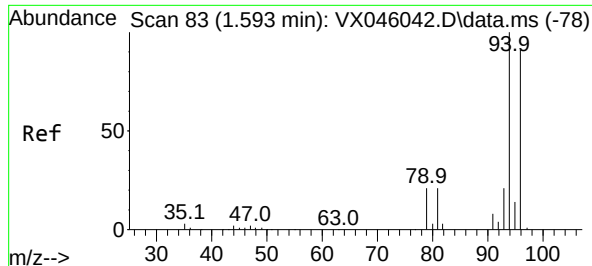
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

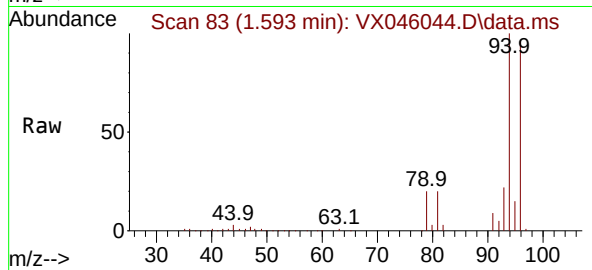
Tgt Ion: 62 Resp: 187924
Ion Ratio Lower Upper
62 100
64 31.7 25.2 37.8





#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

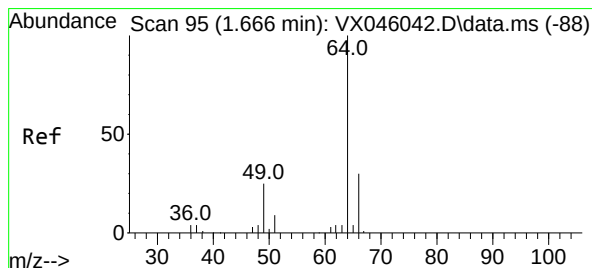
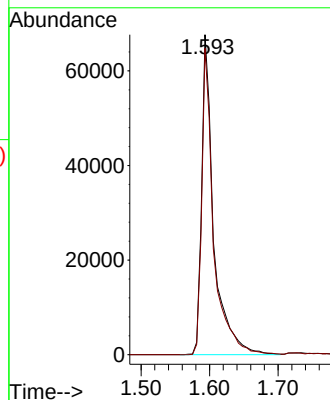
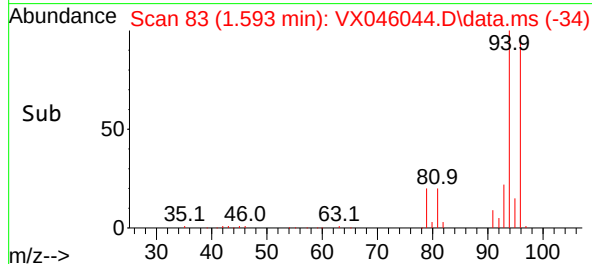
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150



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

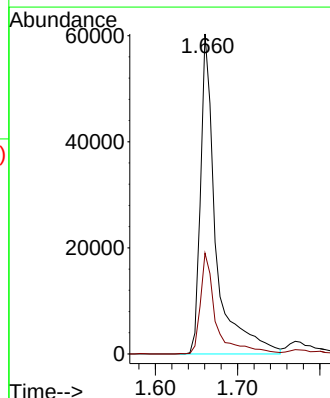
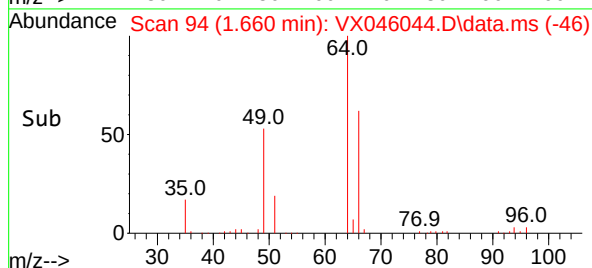
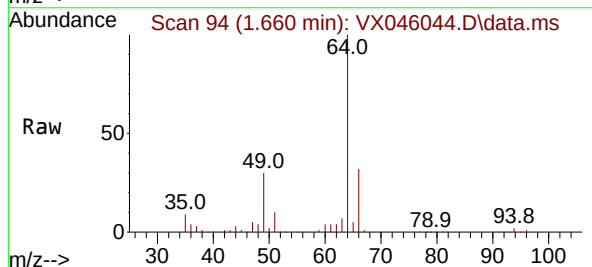
Manual Integrations
APPROVED

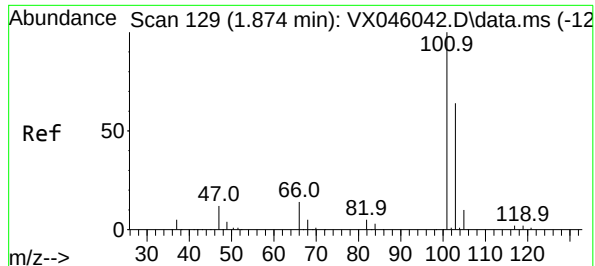
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

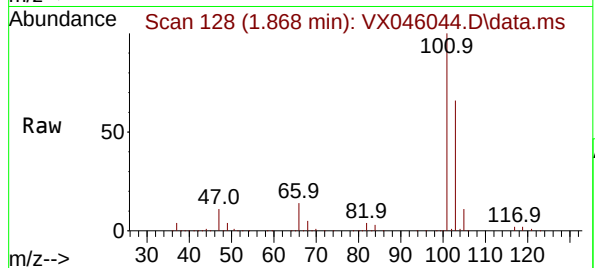
Tgt Ion: 64 Resp: 78806
Ion Ratio Lower Upper
64 100
66 31.3 24.3 36.5





#7
Trichlorofluoromethane
Concen: 101.851 ug/l
RT: 1.868 min Scan# 129
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

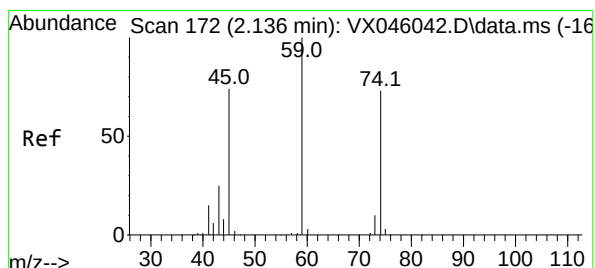
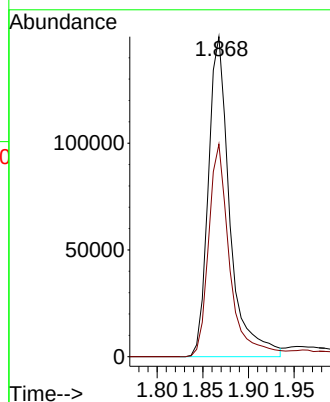
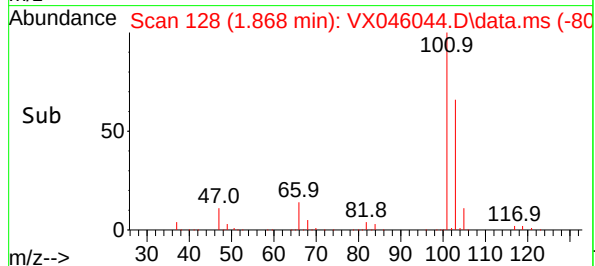
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



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

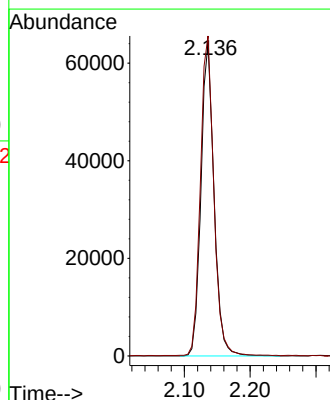
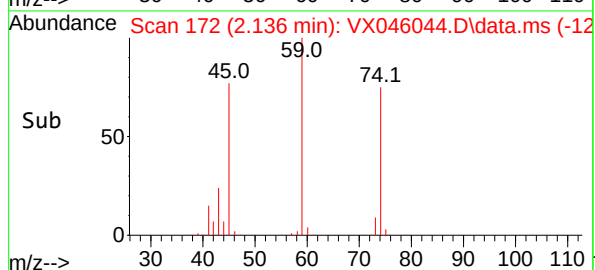
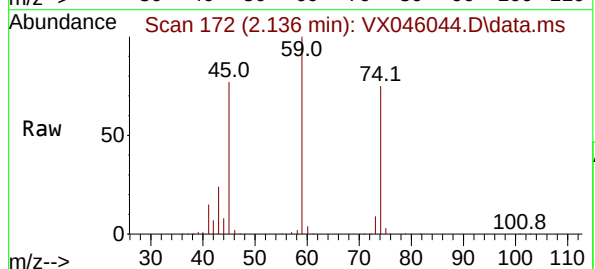
Manual Integrations
APPROVED

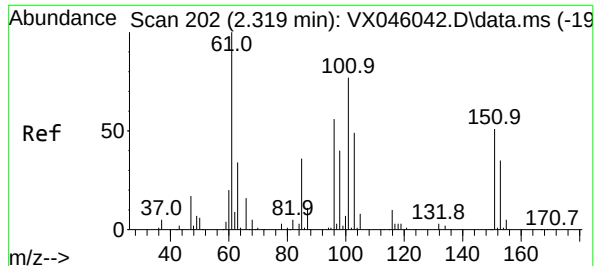
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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





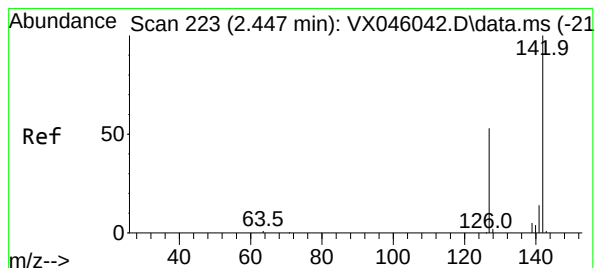
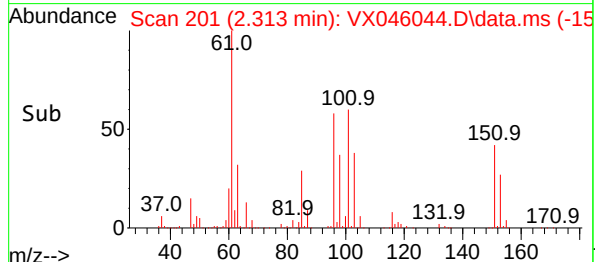
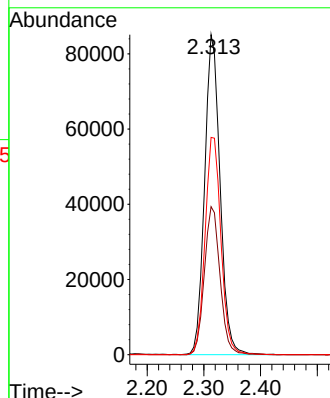
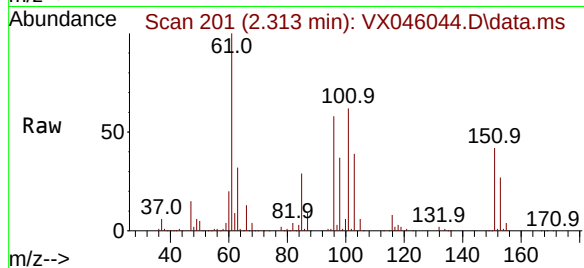
#9
1,1,2-Trichlorotrifluoroethane
Concen: 112.243 ug/l
RT: 2.313 min Scan# 202
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

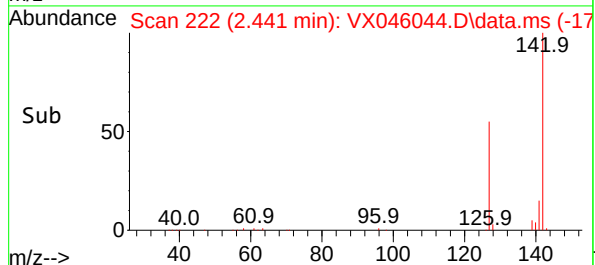
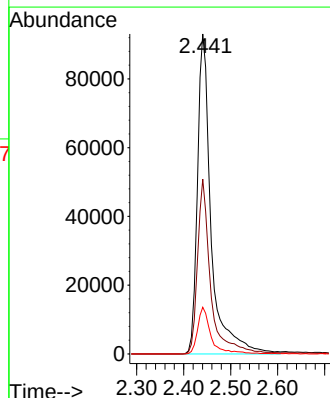
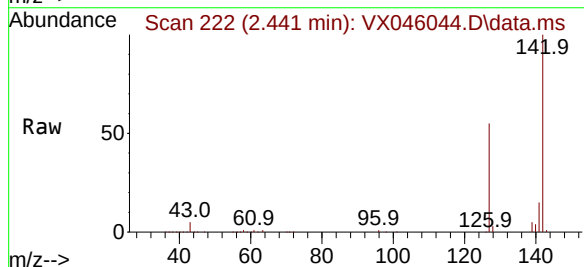
Manual Integrations
APPROVED

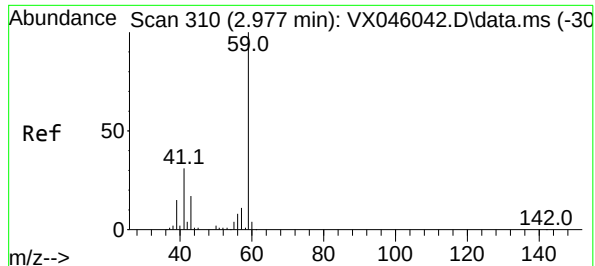
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

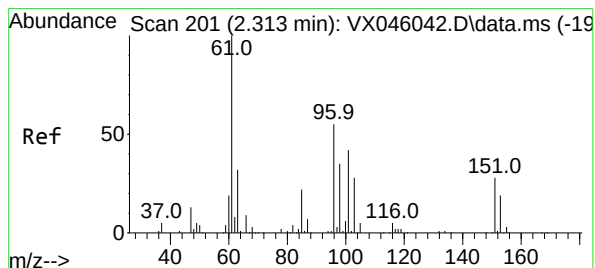
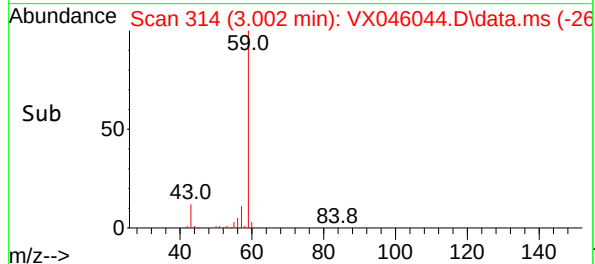
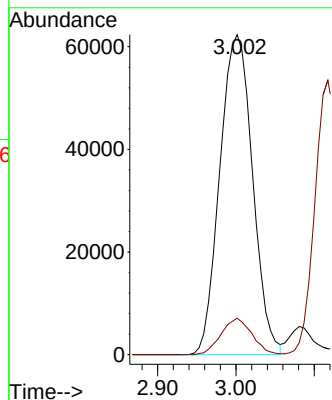
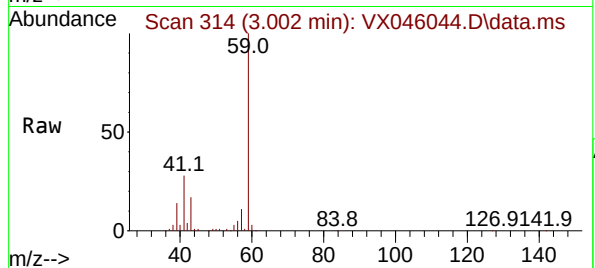
57 10.8 8.6 12.8

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

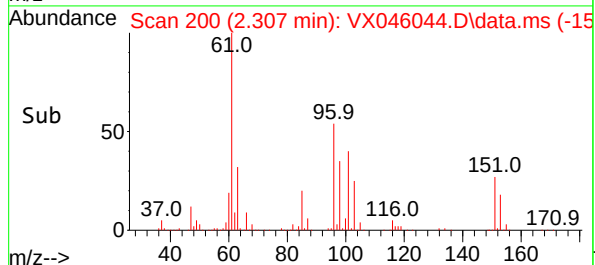
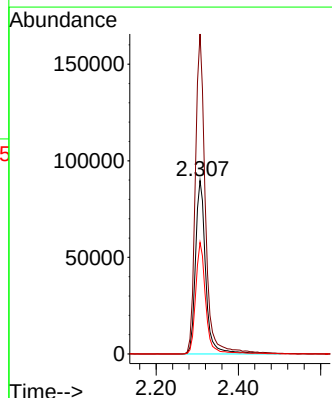
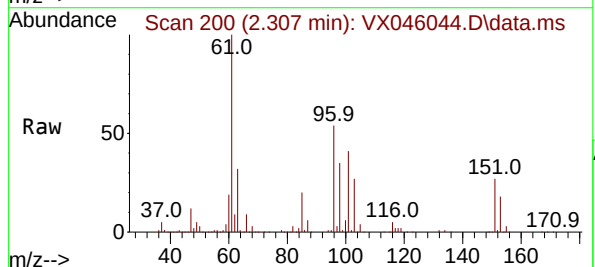
Tgt Ion: 96 Resp: 155451

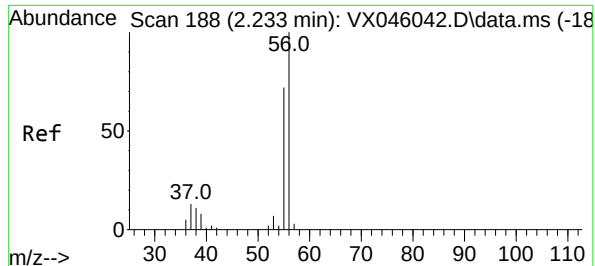
Ion Ratio Lower Upper

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

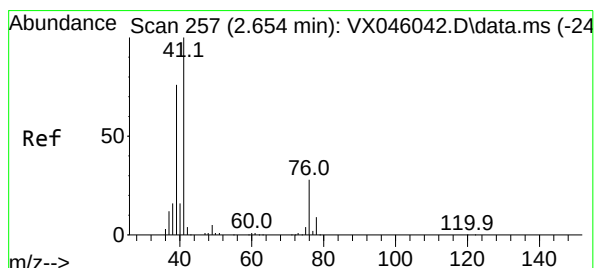
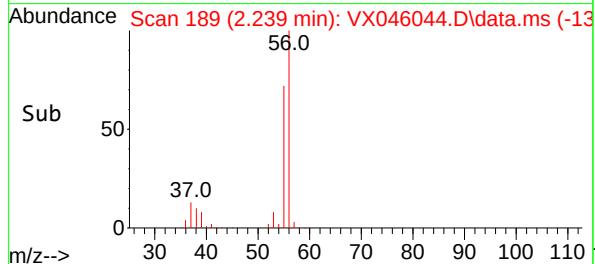
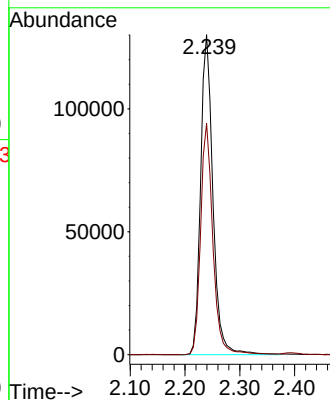
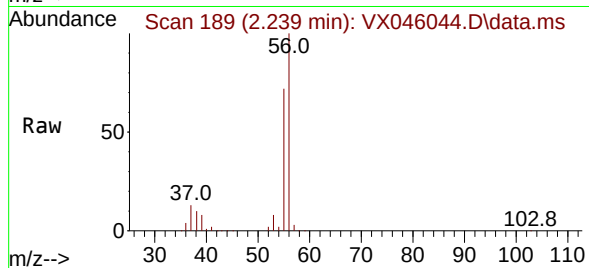
55 72.1 56.2 84.4

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

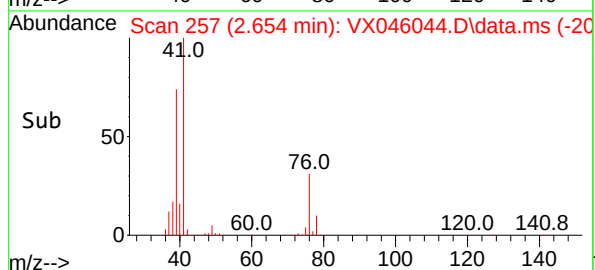
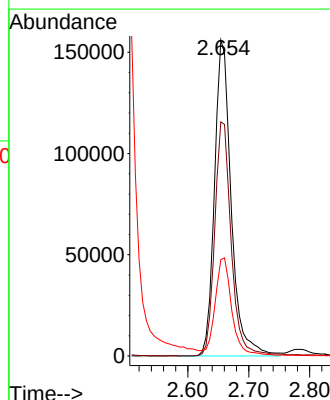
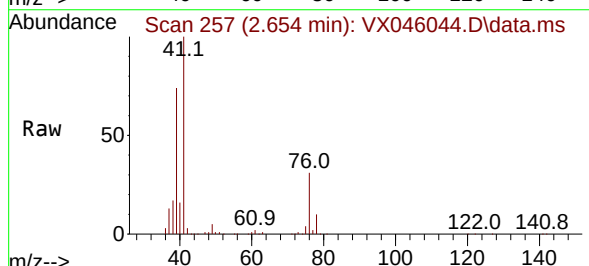
Tgt Ion: 41 Resp: 297776

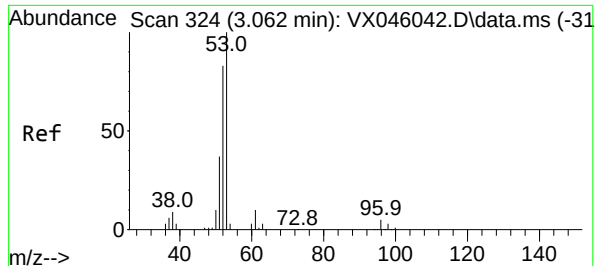
Ion Ratio Lower Upper

41 100

39 73.7 60.6 90.8

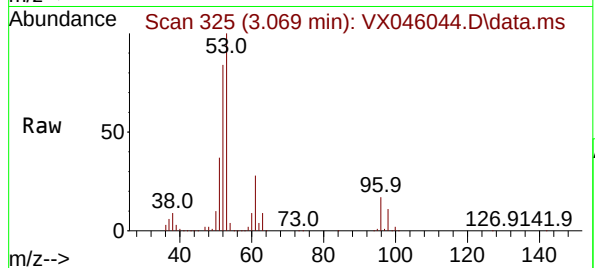
76 31.8 24.9 37.3





#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

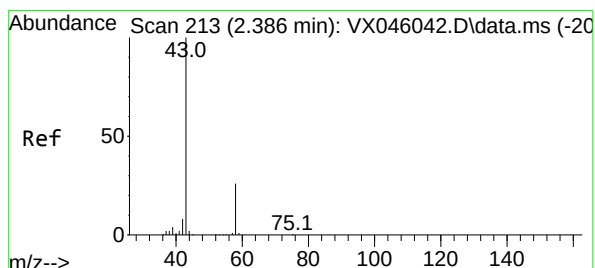
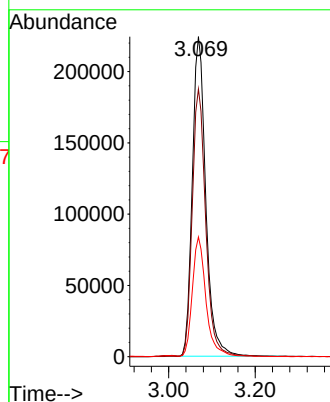
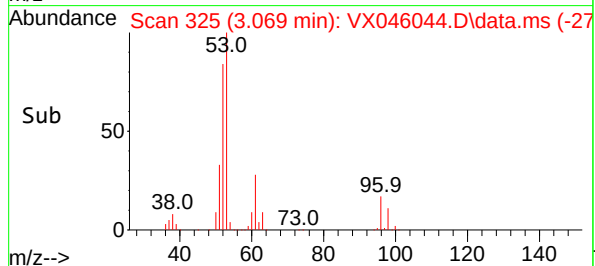
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



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

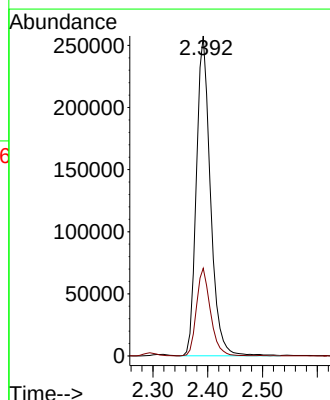
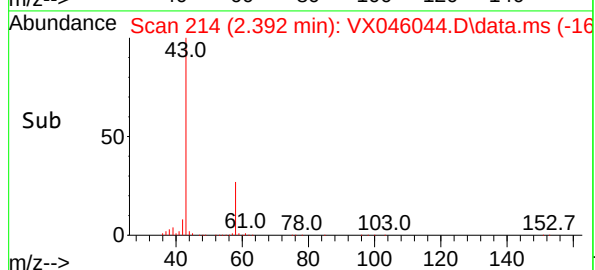
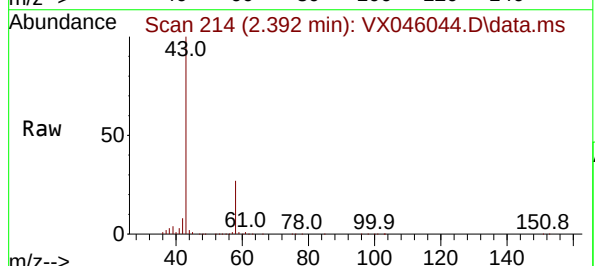
Manual Integrations
APPROVED

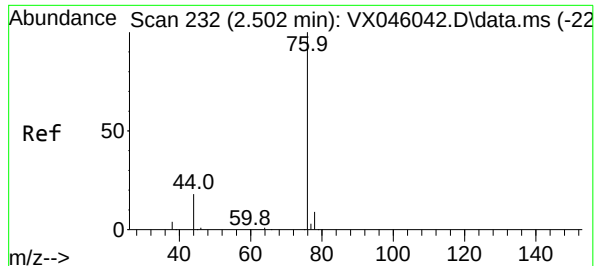
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

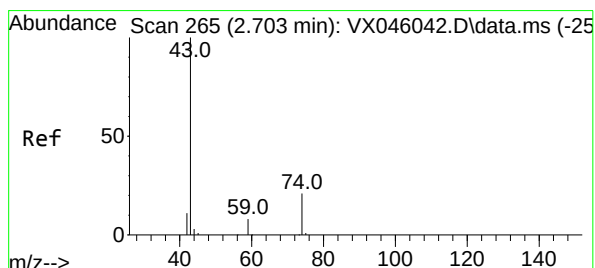
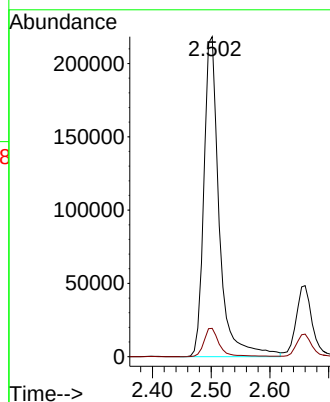
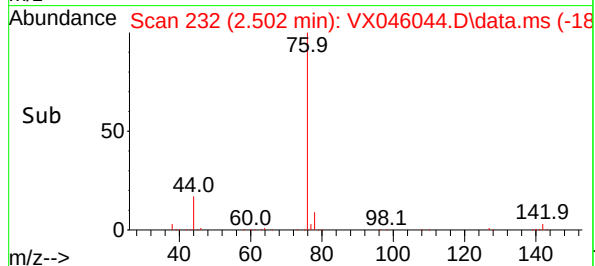
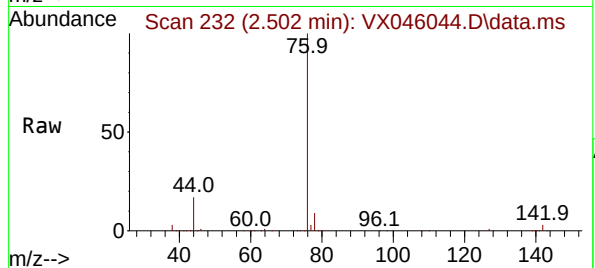
78 8.8 7.0 10.4

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

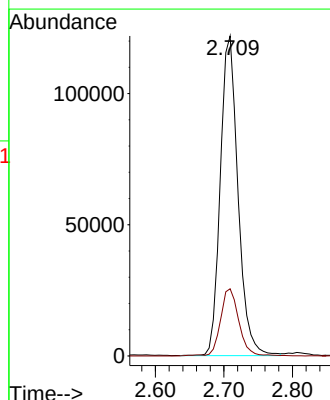
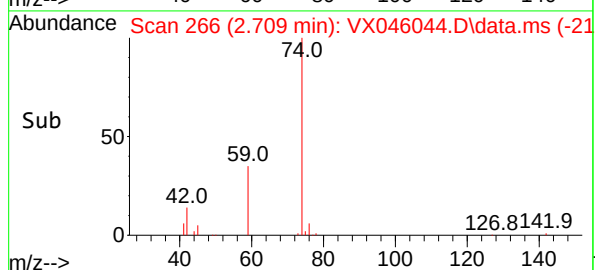
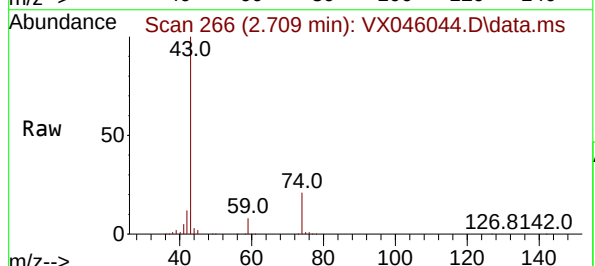
Acq: 05 May 2025 12:45

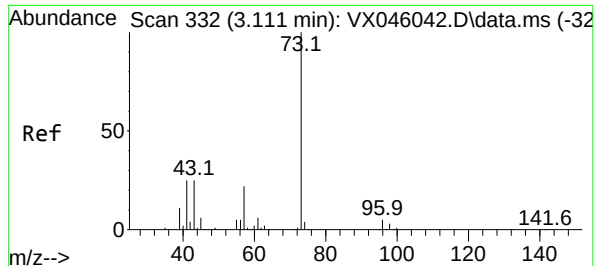
Tgt Ion: 43 Resp: 217885

Ion Ratio Lower Upper

43 100

74 21.9 16.7 25.1





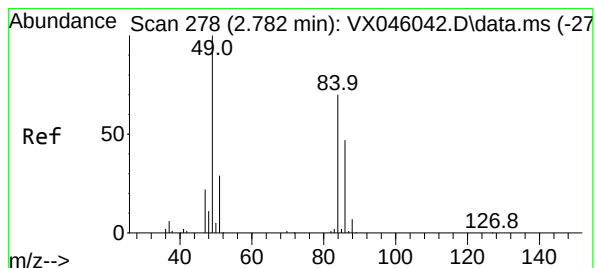
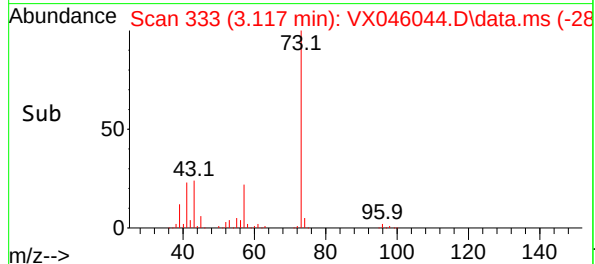
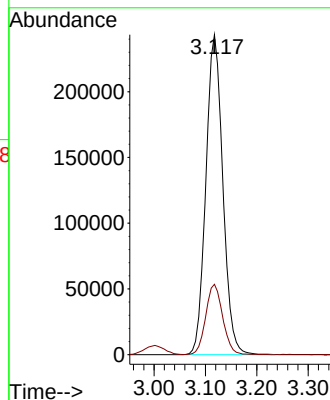
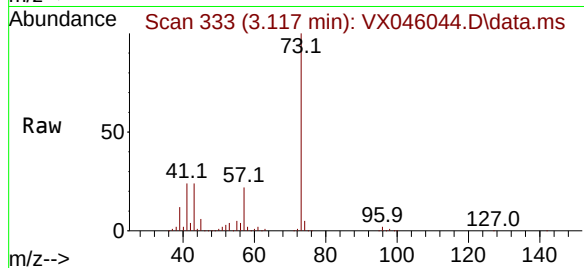
#19
Methyl tert-butyl Ether
Concen: 114.112 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

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

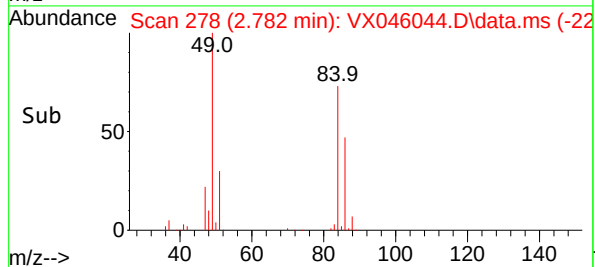
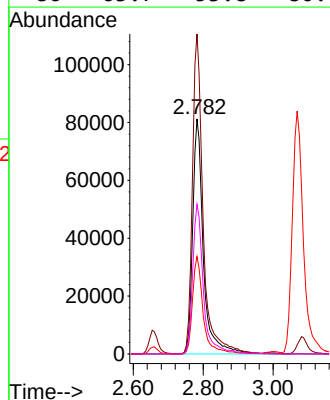
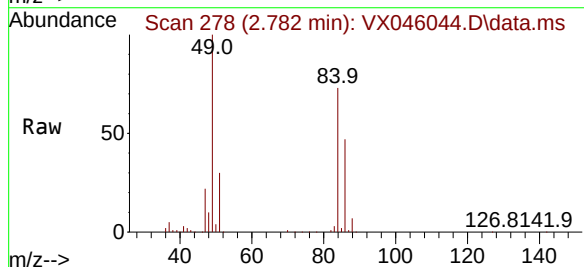
Manual Integrations
APPROVED

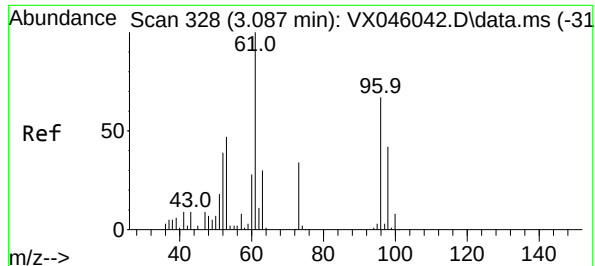
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

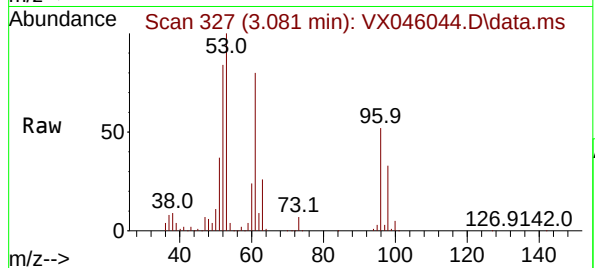
Tgt Ion: 84 Resp: 172035
Ion Ratio Lower Upper
84 100
49 136.0 113.9 170.9
51 41.5 33.5 50.3
86 63.7 53.8 80.8





#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

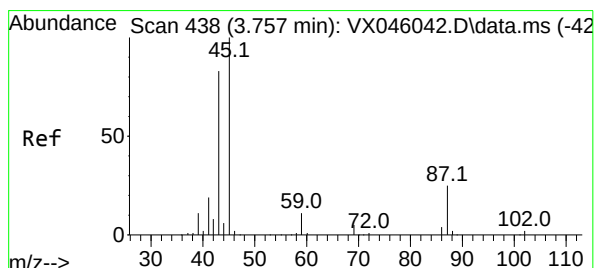
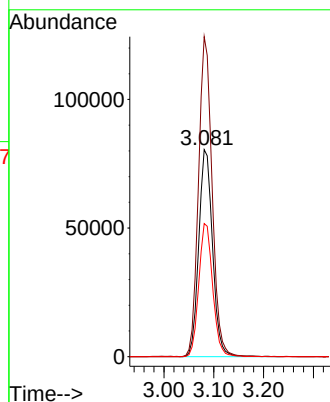
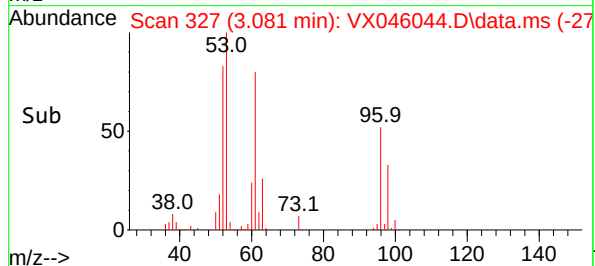
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



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

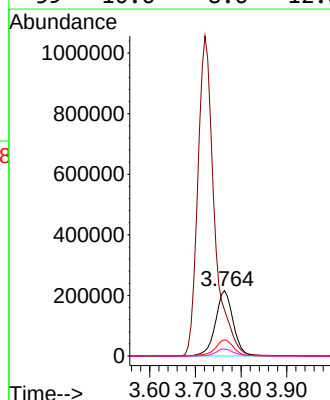
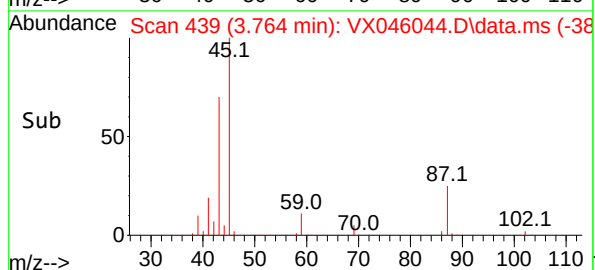
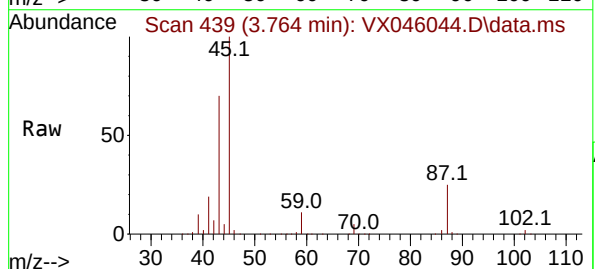
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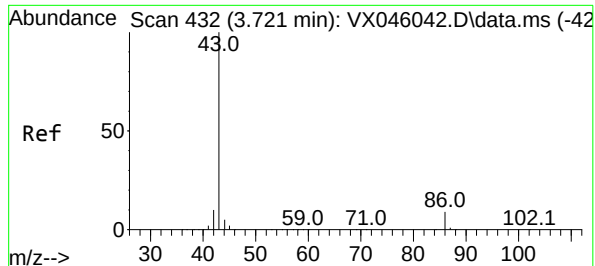
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

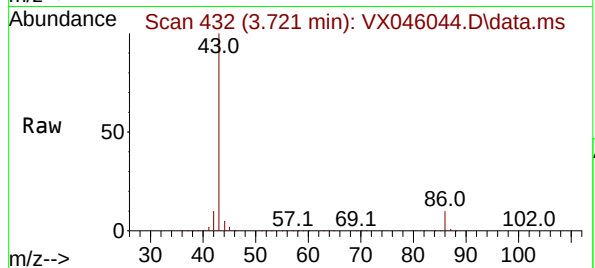
Tgt Ion: 45 Resp: 577610
Ion Ratio Lower Upper
45 100
43 70.3 66.6 100.0
87 24.7 19.8 29.6
59 10.6 8.6 12.8





#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

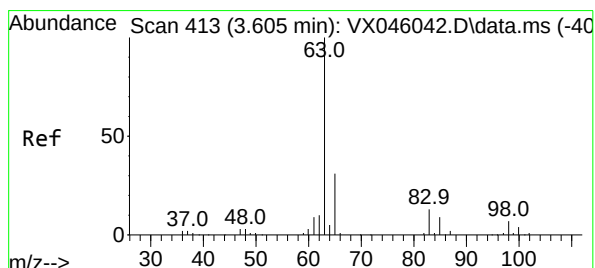
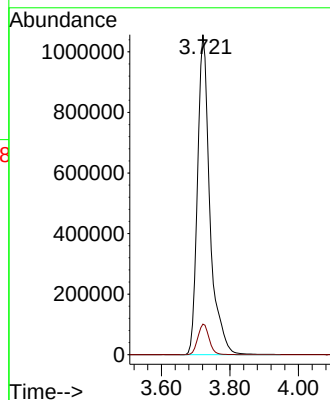
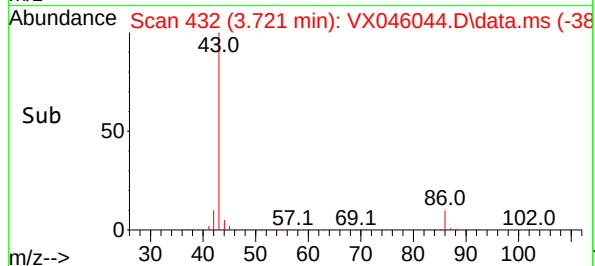
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150



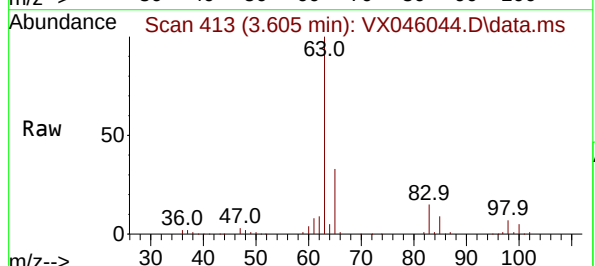
Tgt Ion: 43 Resp: 265575
Ion Ratio Lower Upper
43 100
86 9.6 7.5 11.3

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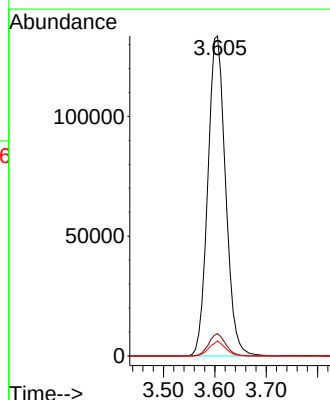
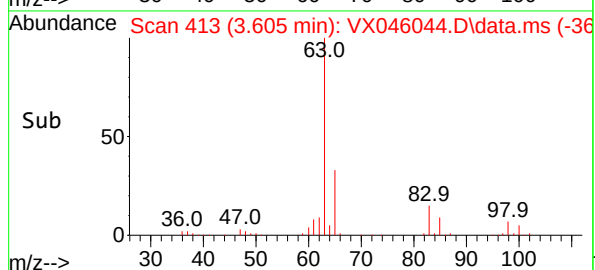
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

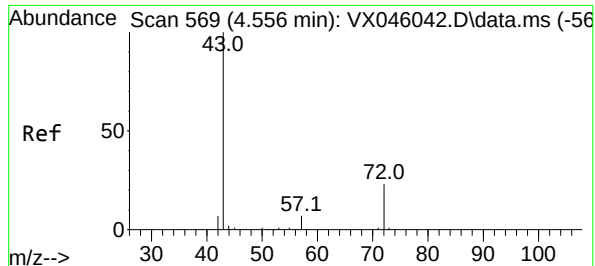


#24
1,1-Dichloroethane
Concen: 110.182 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45



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

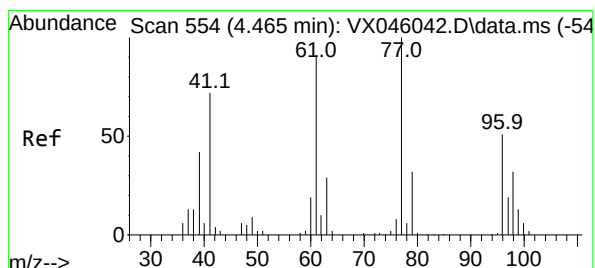
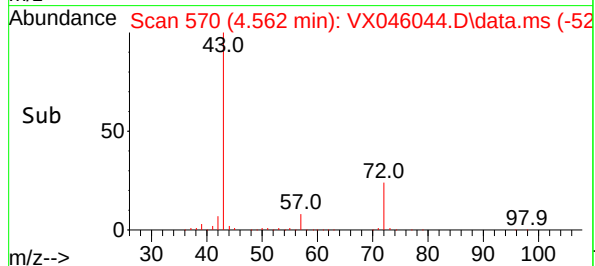
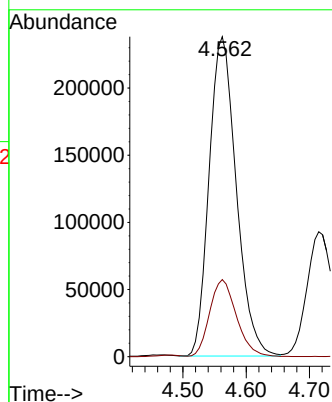
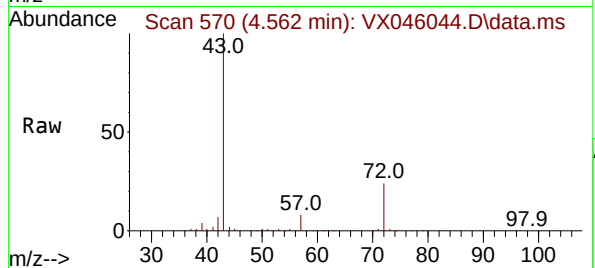
72 24.0 18.4 27.6

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

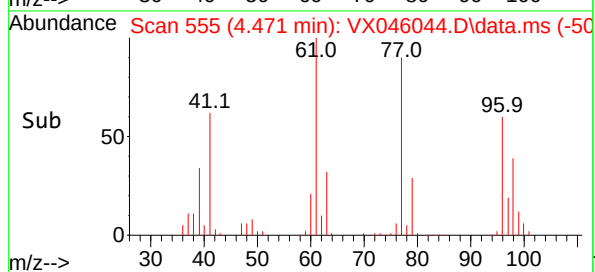
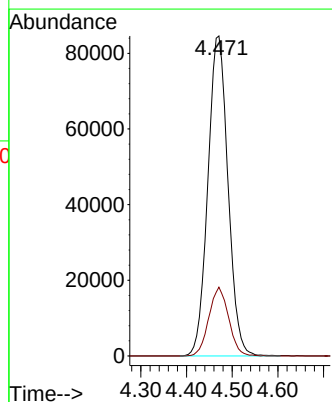
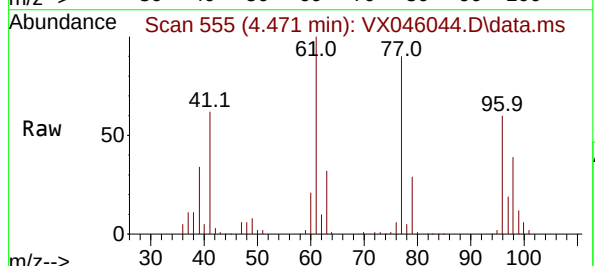
Acq: 05 May 2025 12:45

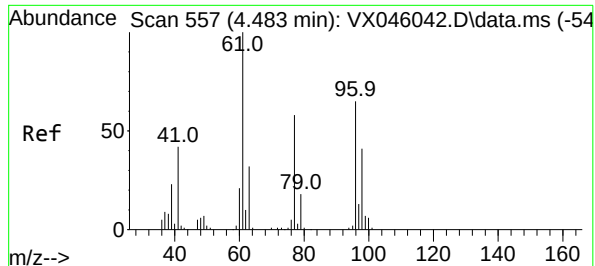
Tgt Ion: 77 Resp: 258698

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

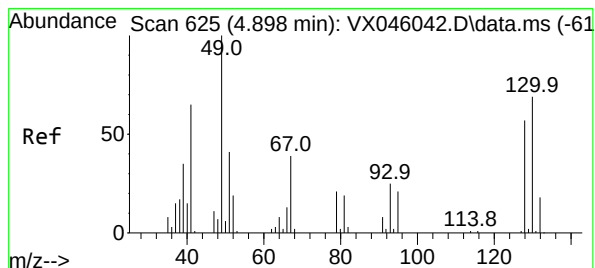
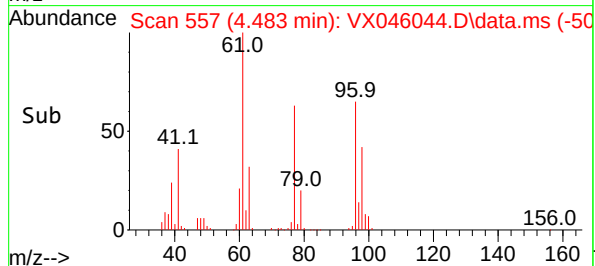
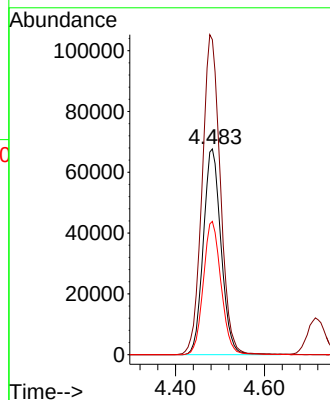
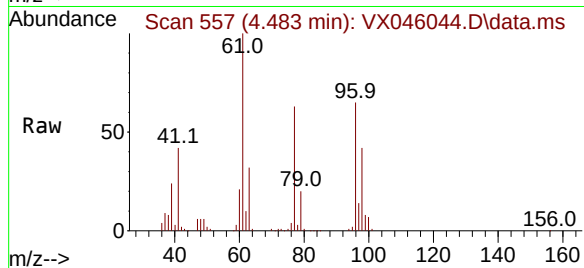
98 64.8 0.0 129.0

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

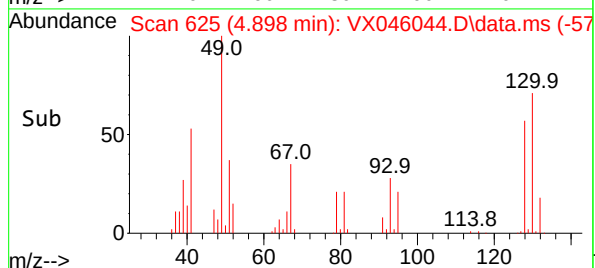
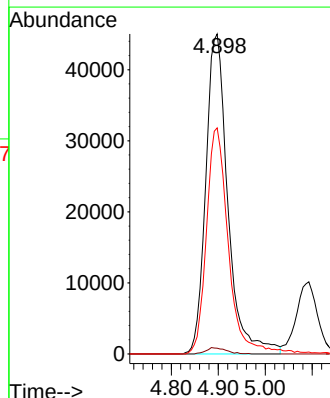
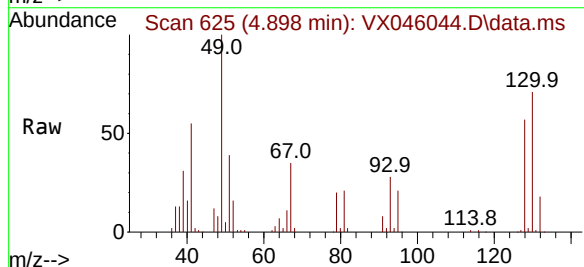
Tgt Ion: 49 Resp: 146923

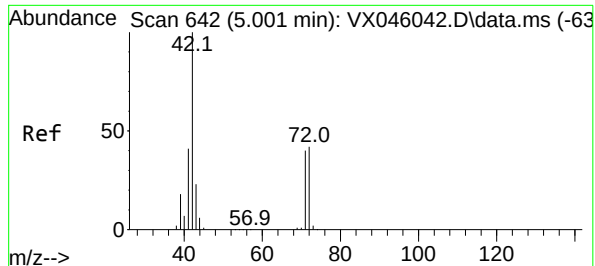
Ion Ratio Lower Upper

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

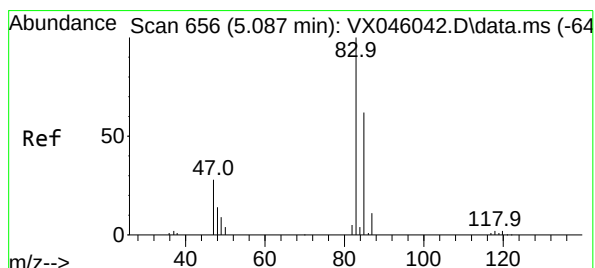
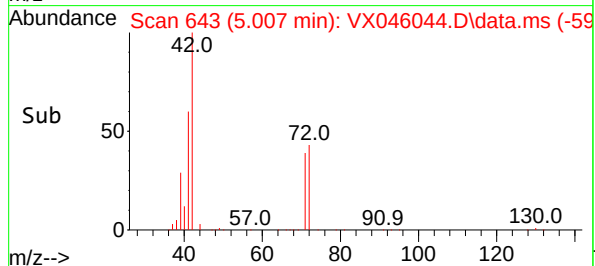
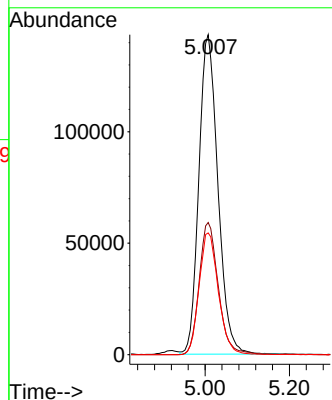
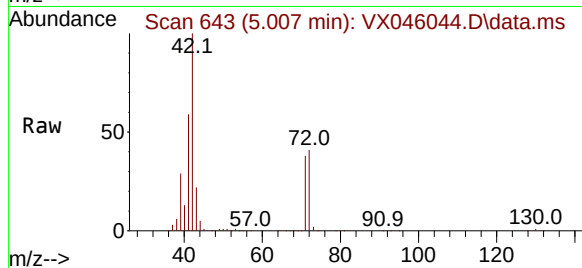
71 38.7 31.4 47.2

Manual Integrations

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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

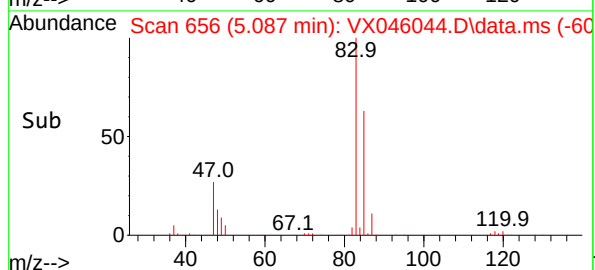
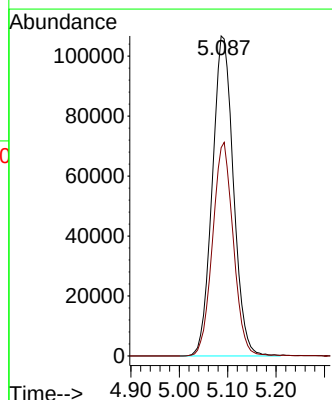
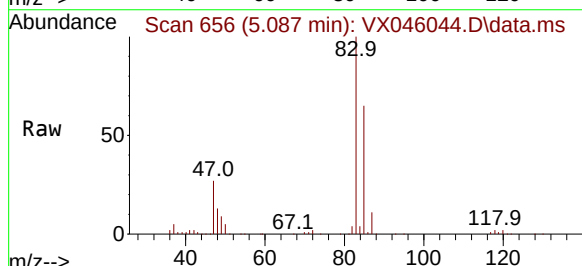
Acq: 05 May 2025 12:45

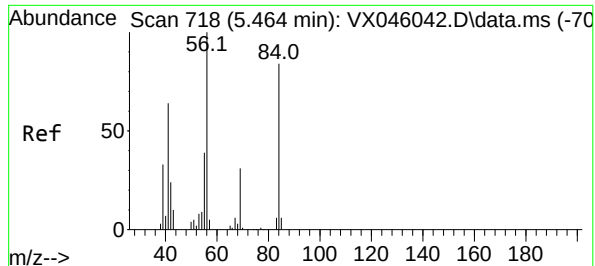
Tgt Ion: 83 Resp: 323659

Ion Ratio Lower Upper

83 100

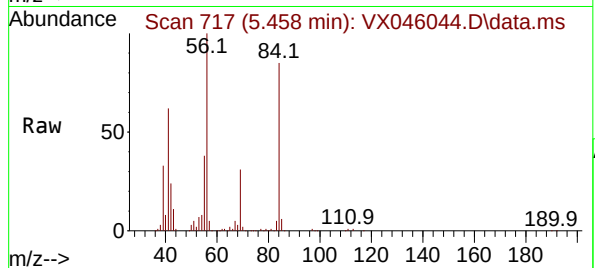
85 65.1 49.3 73.9





#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

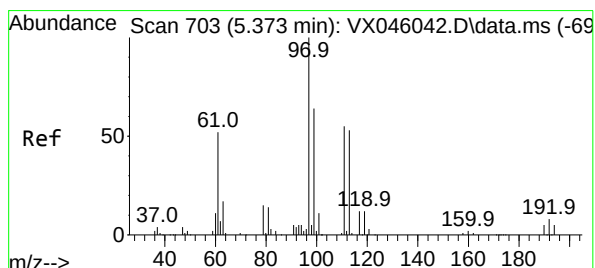
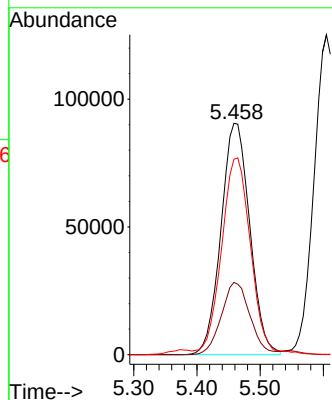
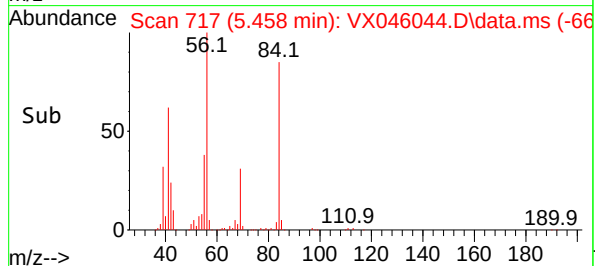
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150



Tgt Ion: 56 Resp: 28631
Ion Ratio Lower Upper
56 100
69 31.2 24.4 36.6
84 82.8 66.9 100.3

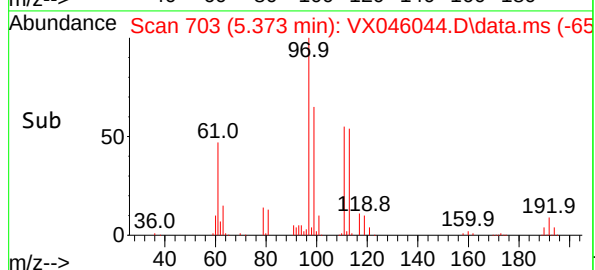
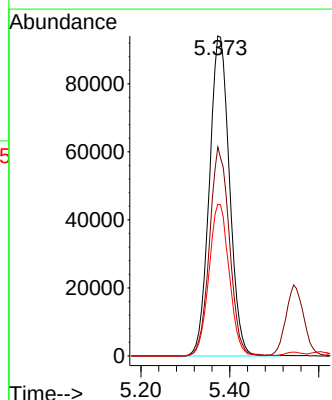
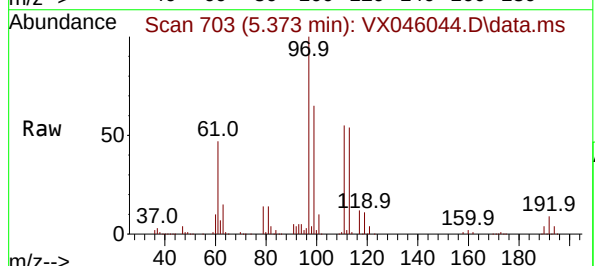
Manual Integrations
APPROVED

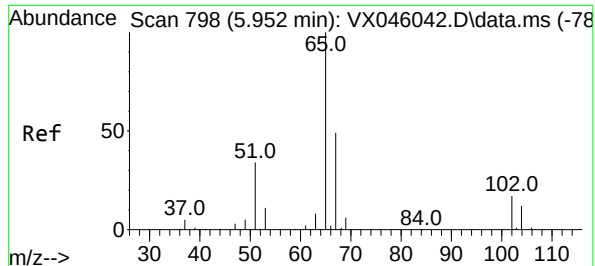
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

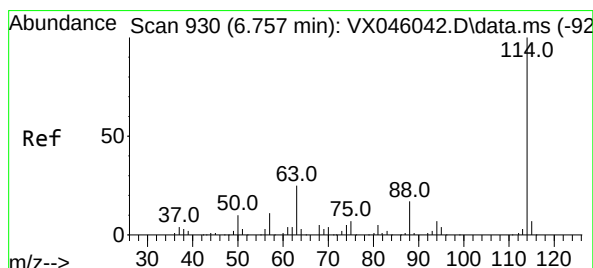
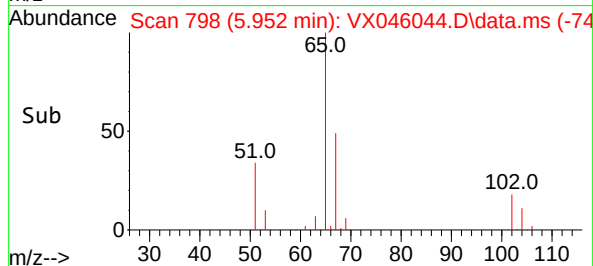
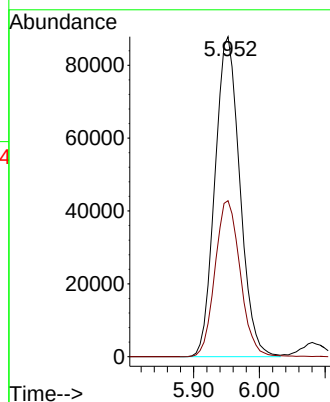
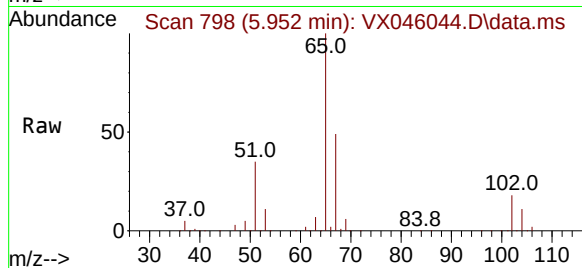
67 49.4 0.0 99.0

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

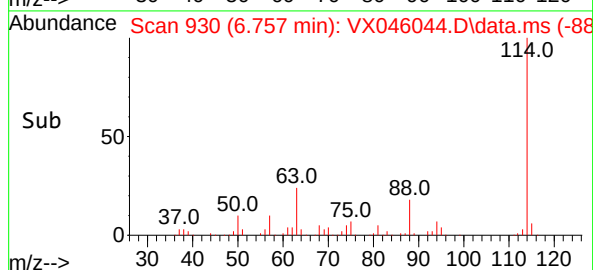
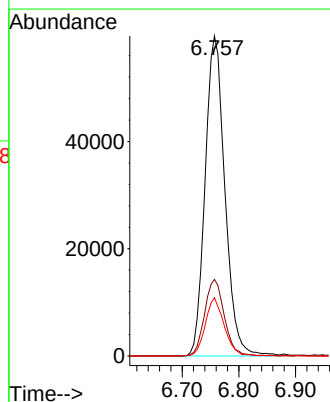
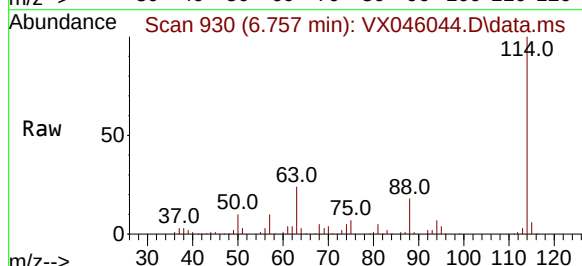
Tgt Ion:114 Resp: 144975

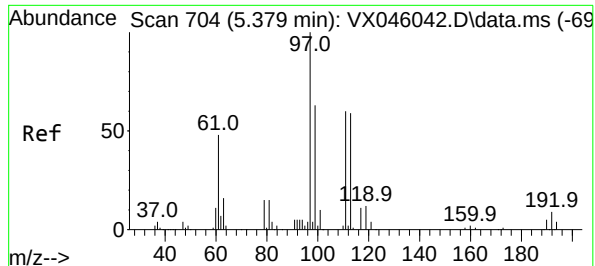
Ion Ratio Lower Upper

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

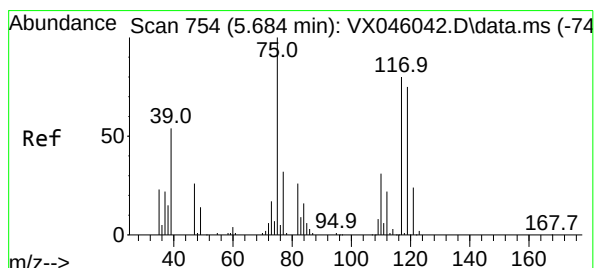
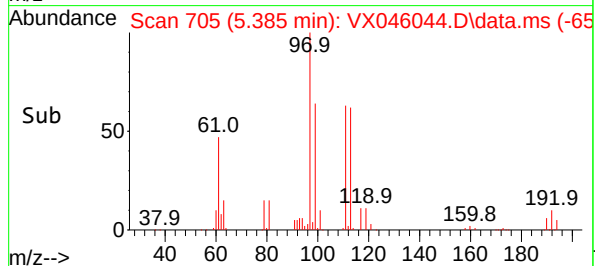
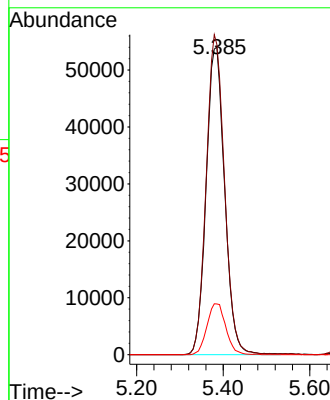
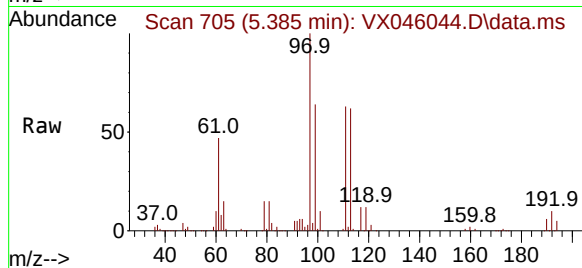
192 16.9 13.3 19.9

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

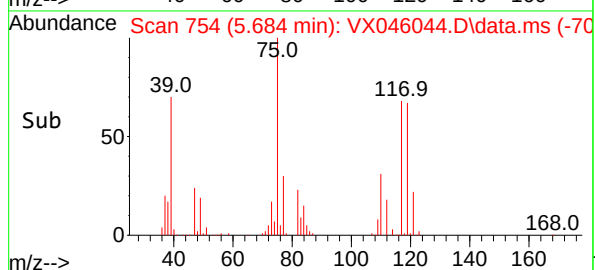
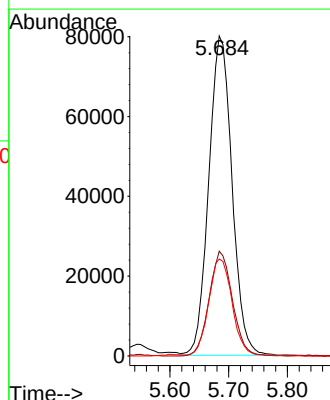
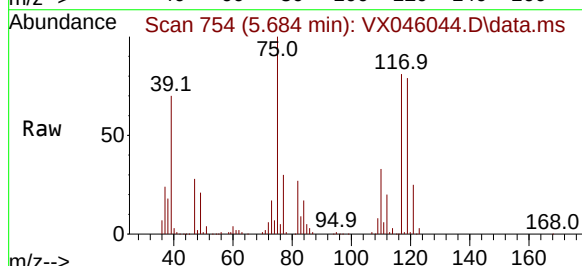
Tgt Ion: 75 Resp: 219731

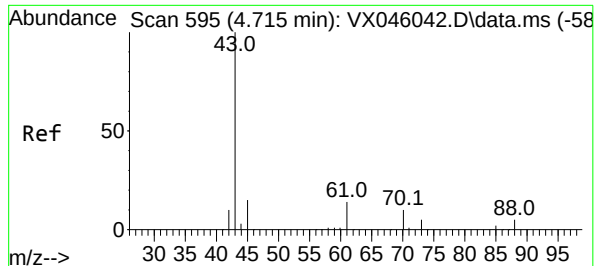
Ion Ratio Lower Upper

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

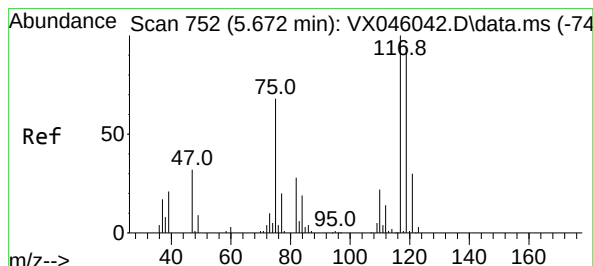
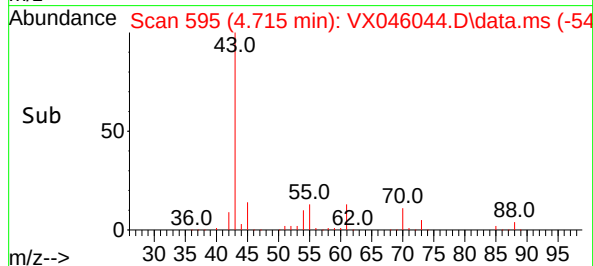
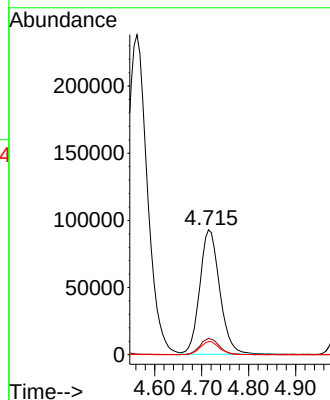
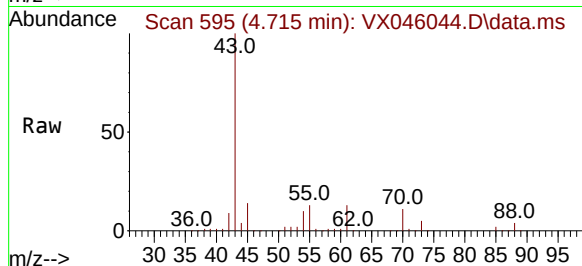
70 10.2 7.9 11.9

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

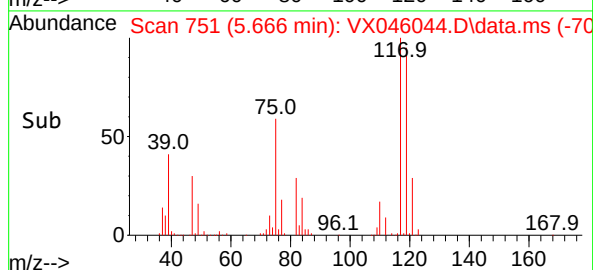
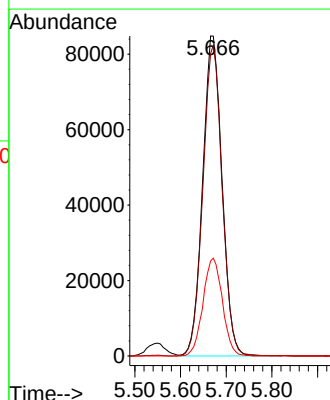
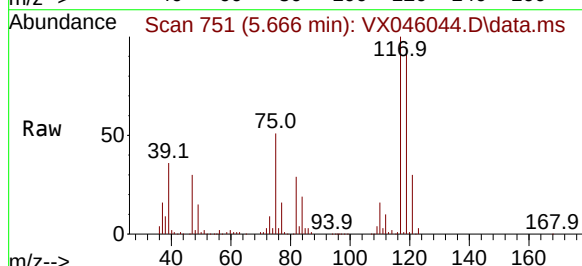
Tgt Ion:117 Resp: 250916

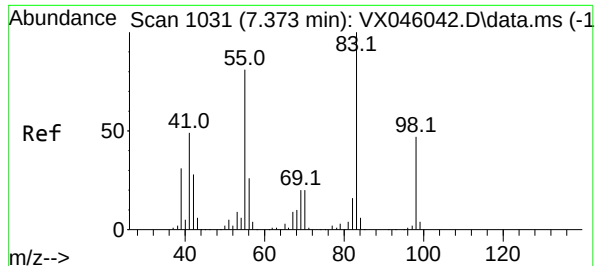
Ion Ratio Lower Upper

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

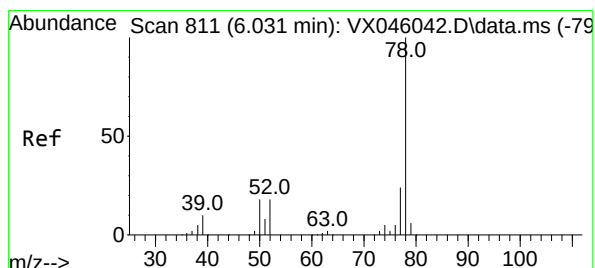
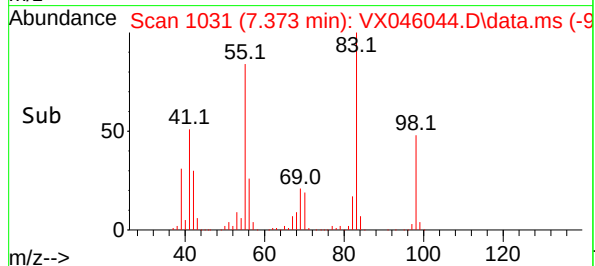
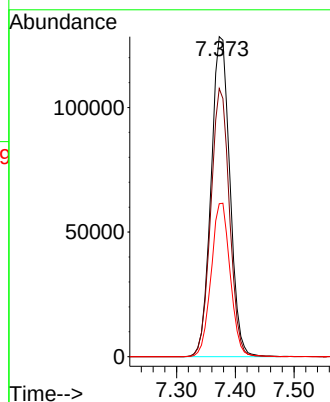
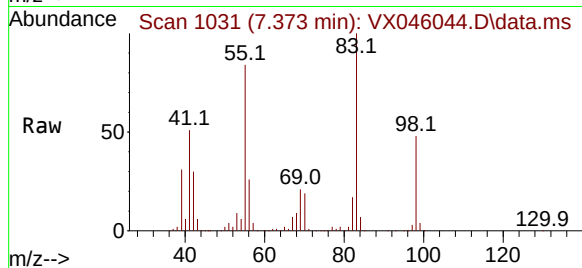
98 47.8 37.4 56.2

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

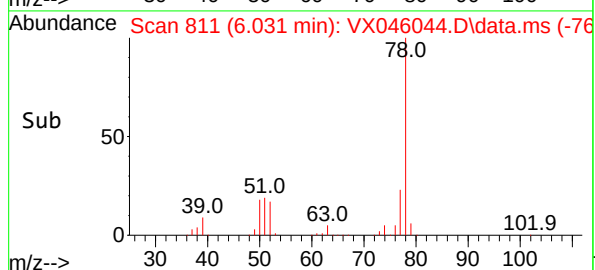
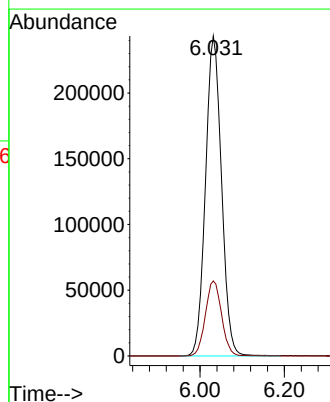
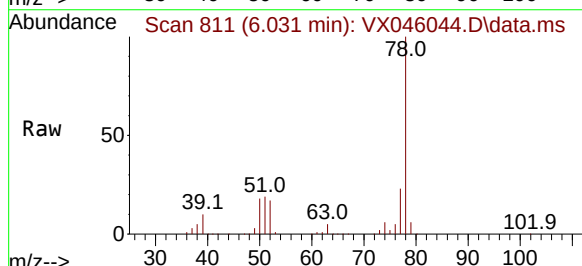
Acq: 05 May 2025 12:45

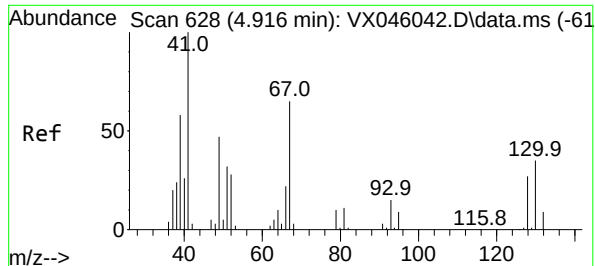
Tgt Ion: 78 Resp: 642178

Ion Ratio Lower Upper

78 100

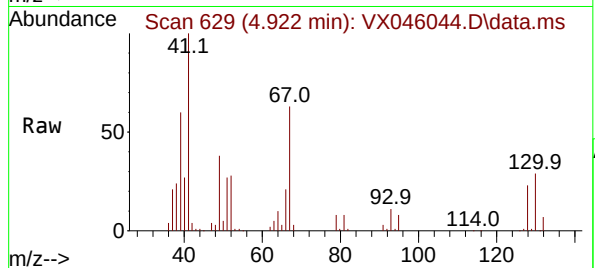
77 23.4 19.0 28.4





#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

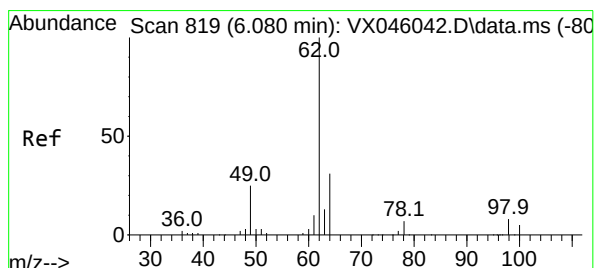
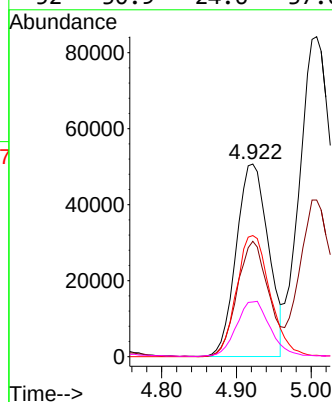
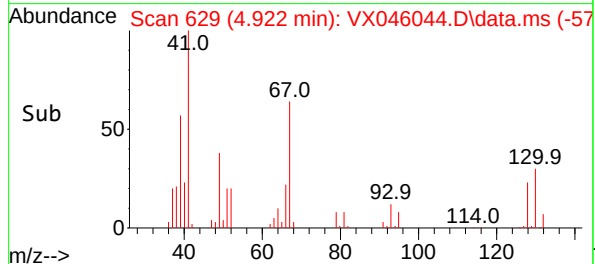
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



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

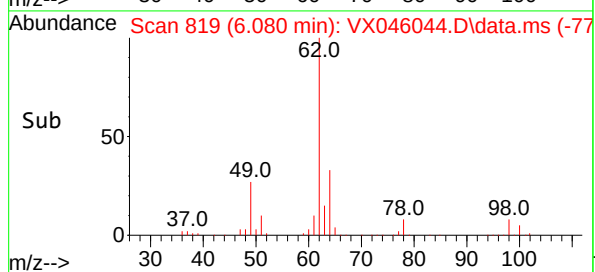
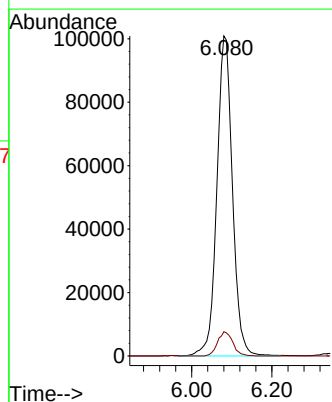
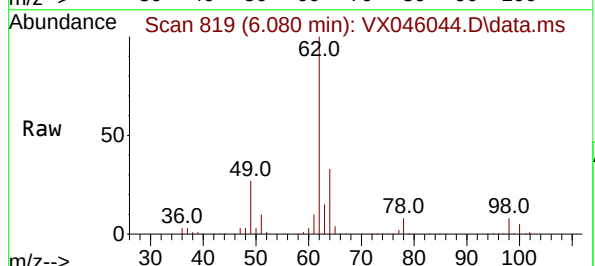
Manual Integrations
APPROVED

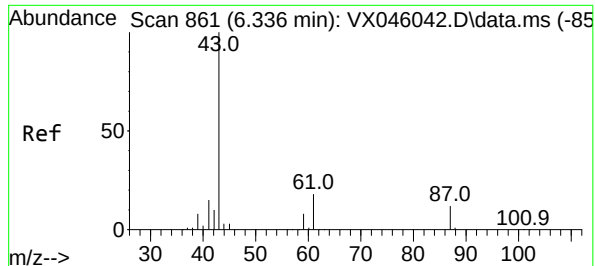
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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 :

VSTDIC150

Tgt Ion: 43 Resp: 44787

Ion Ratio Lower Upper

43 100

61 18.1 14.3 21.5

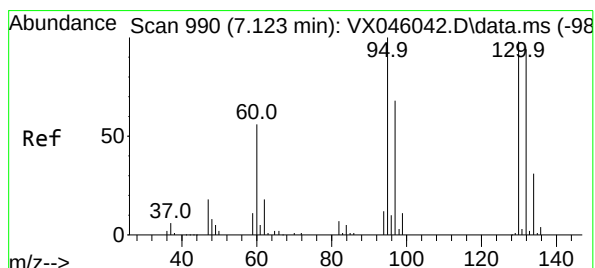
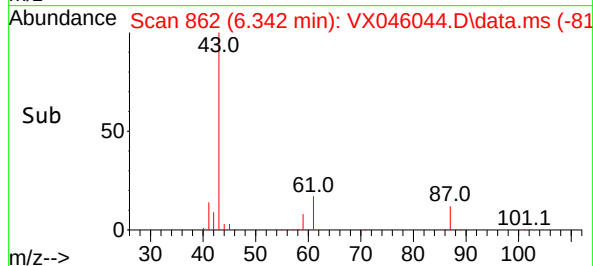
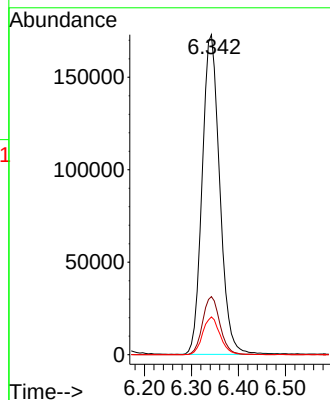
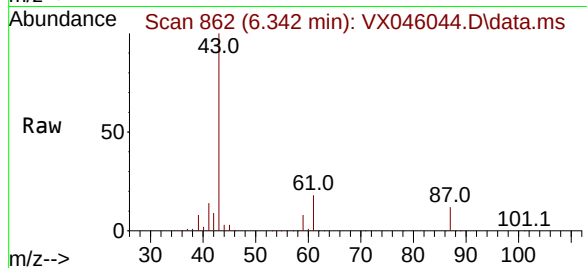
87 11.7 9.5 14.3

Manual Integrations

APPROVED

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

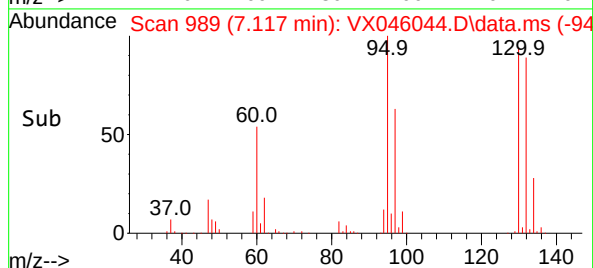
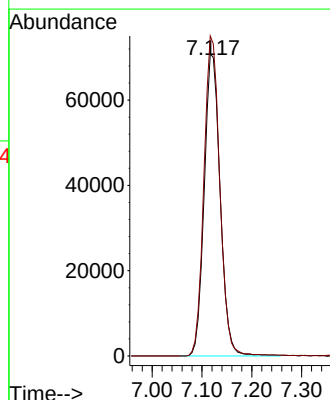
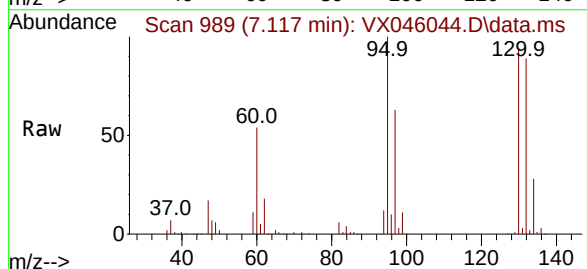
Acq: 05 May 2025 12:45

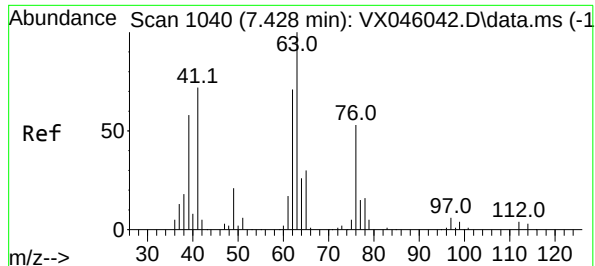
Tgt Ion:130 Resp: 157641

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

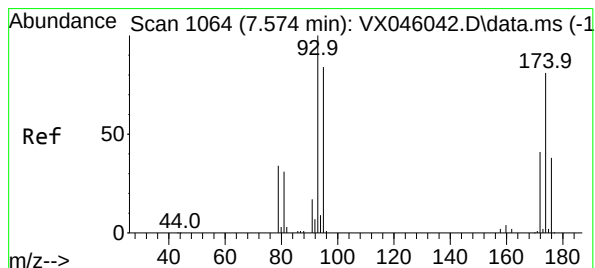
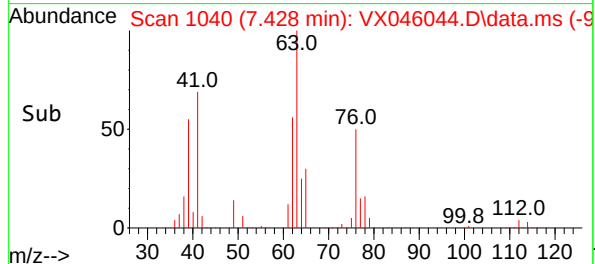
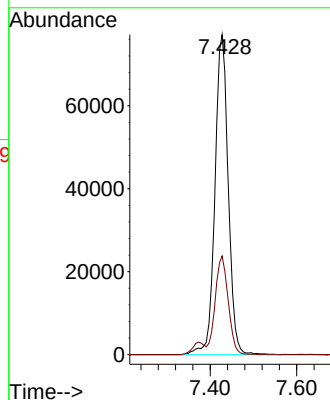
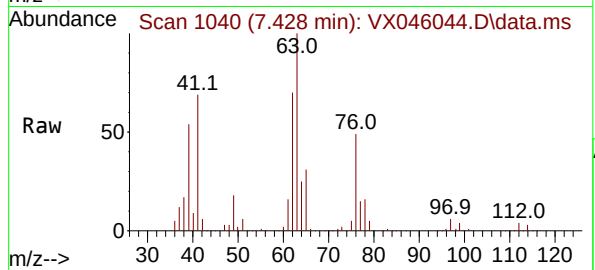
65 30.8 24.1 36.1

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

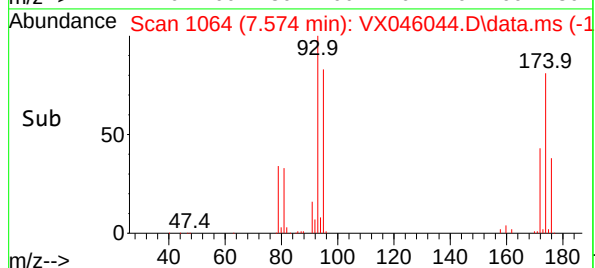
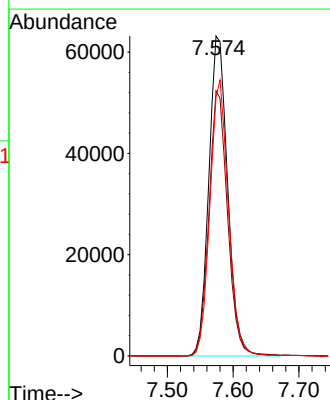
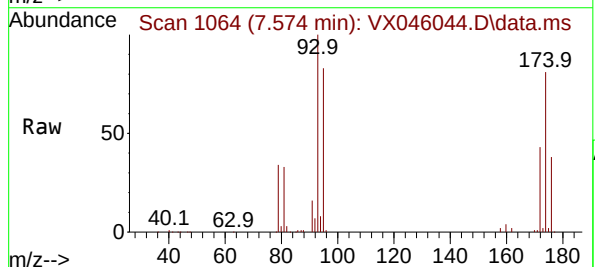
Tgt Ion: 93 Resp: 125846

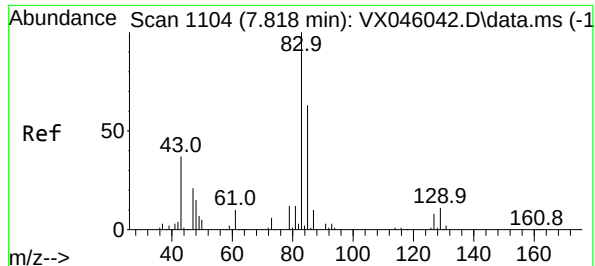
Ion Ratio Lower Upper

93 100

95 82.4 65.6 98.4

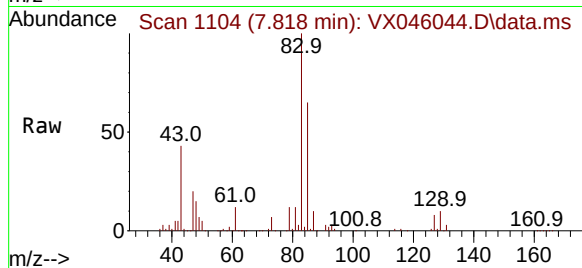
174 85.0 68.2 102.2





#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

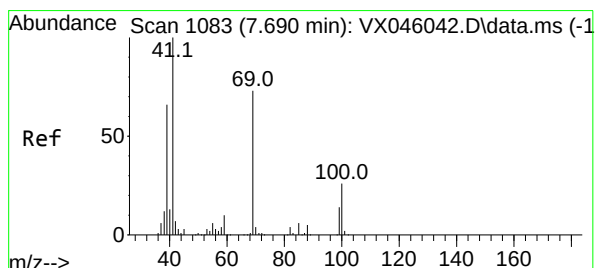
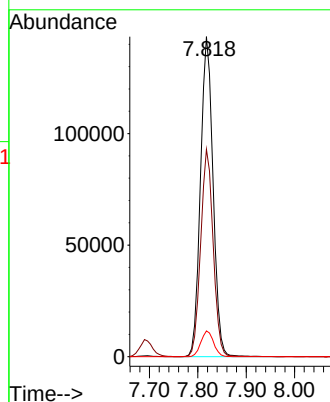
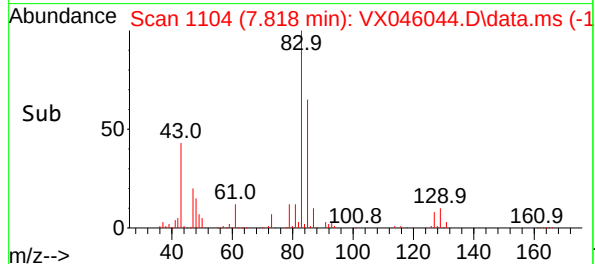
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



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

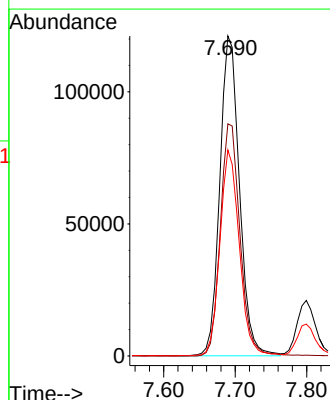
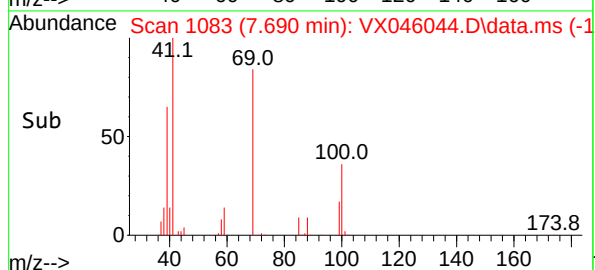
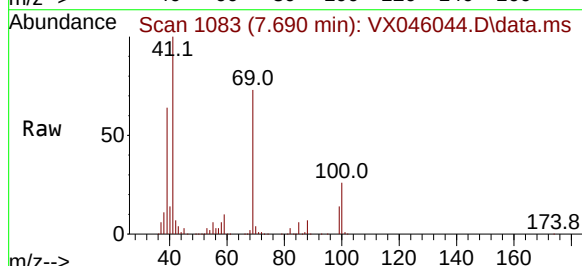
Manual Integrations
APPROVED

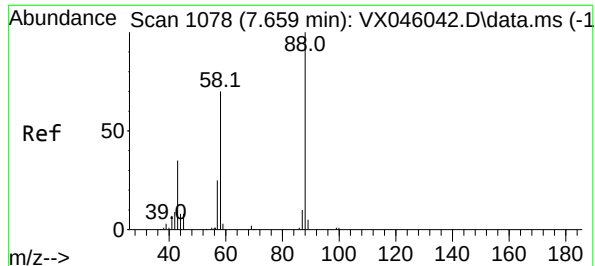
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

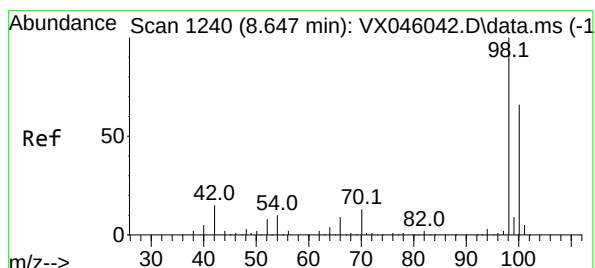
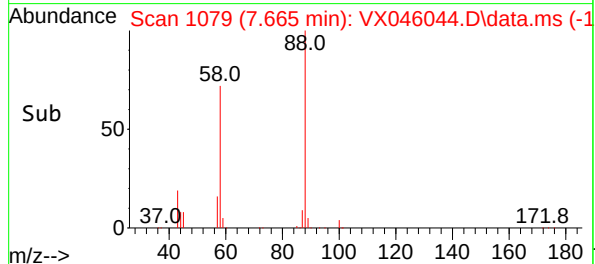
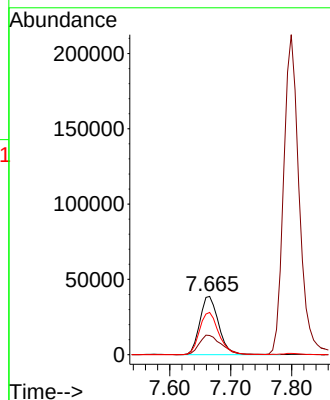
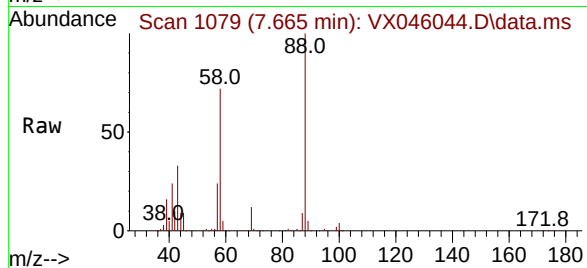
58 74.8 58.6 88.0

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

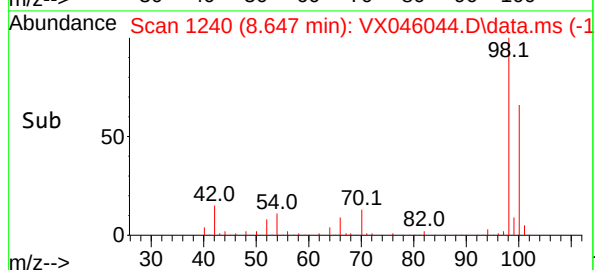
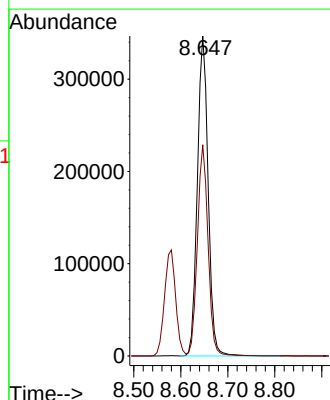
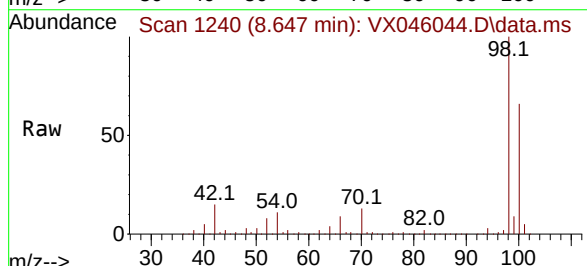
Acq: 05 May 2025 12:45

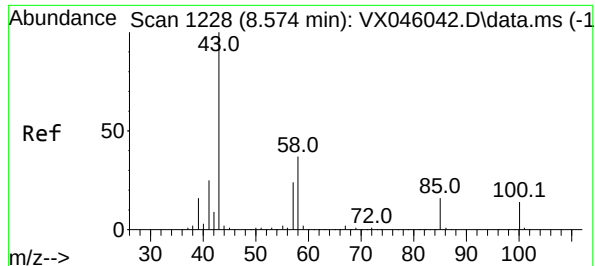
Tgt Ion: 98 Resp: 554390

Ion Ratio Lower Upper

98 100

100 65.4 53.5 80.3





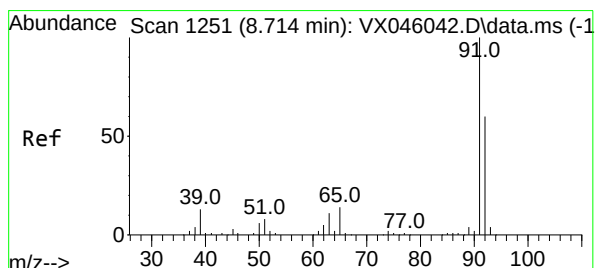
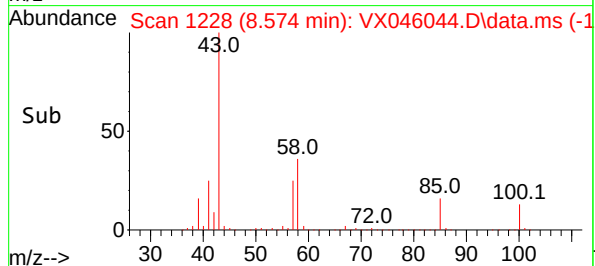
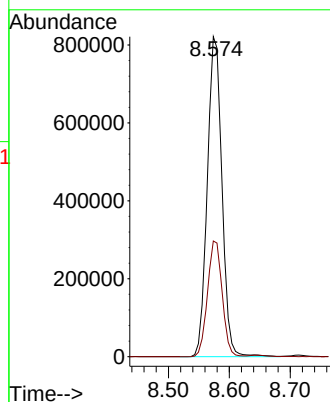
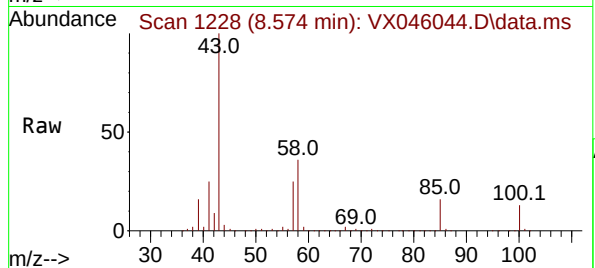
#51
4-Methyl-2-Pentanone
Concen: 577.831 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

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

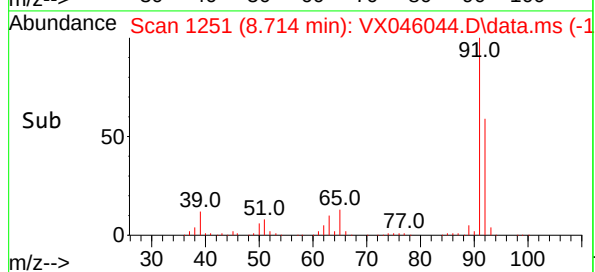
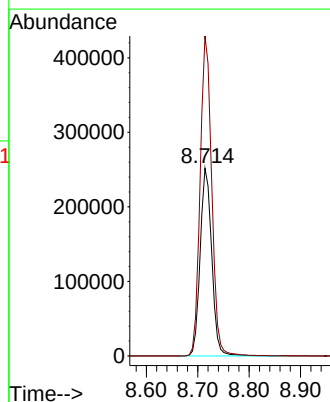
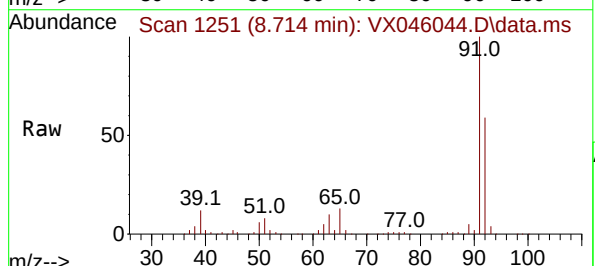
Manual Integrations
APPROVED

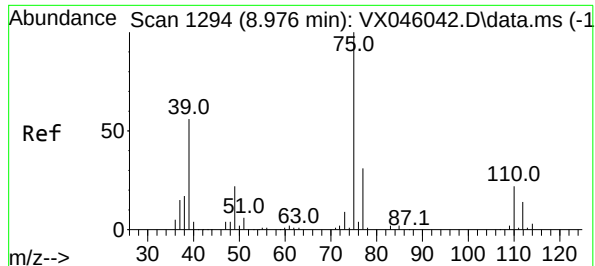
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

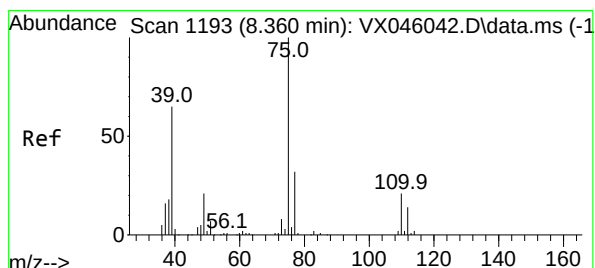
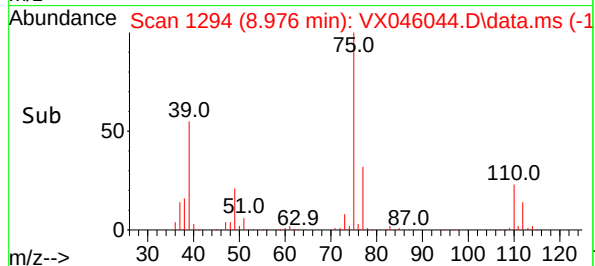
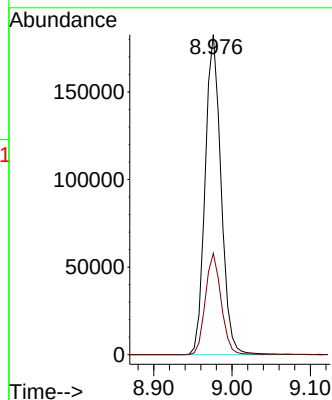
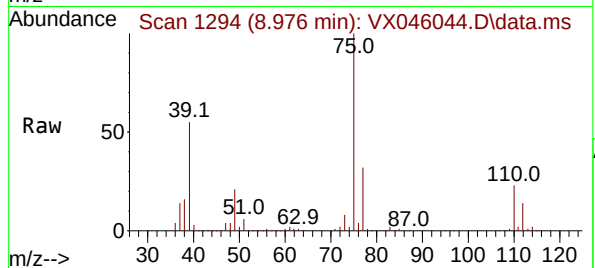
77 31.7 25.0 37.6

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

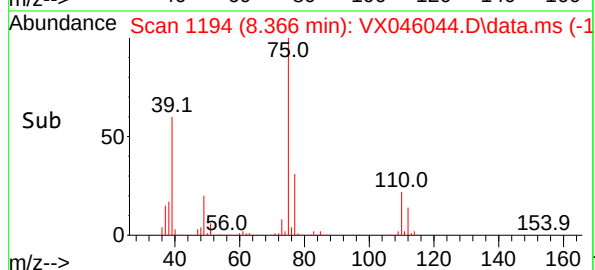
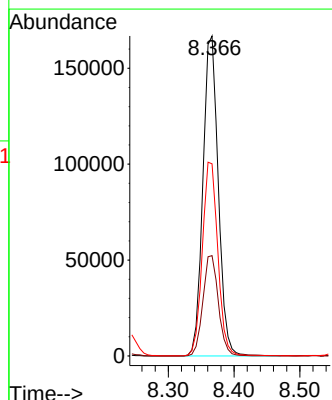
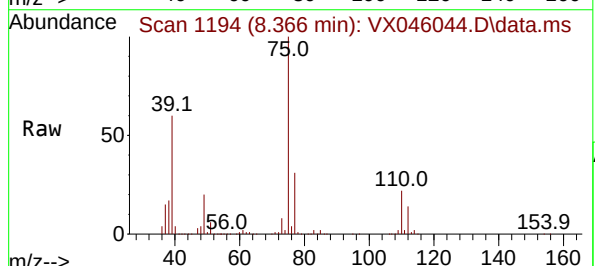
Tgt Ion: 75 Resp: 271054

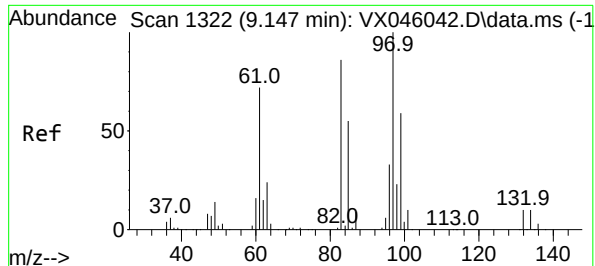
Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.0

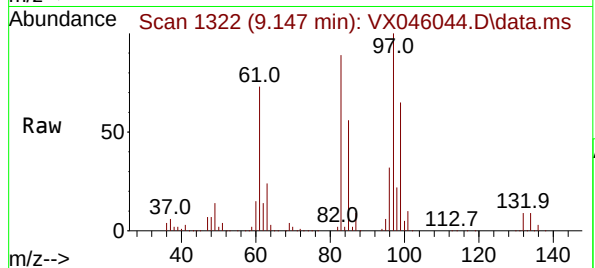
39 60.0 52.2 78.4





#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

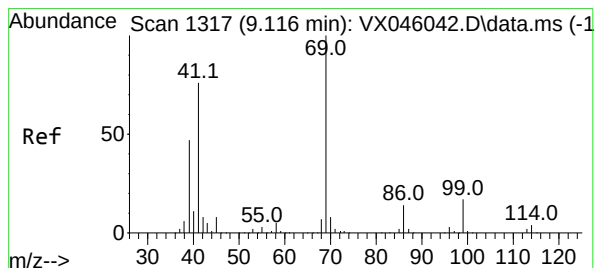
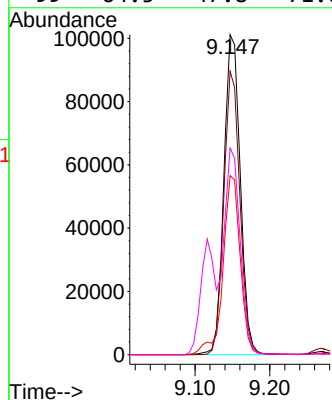
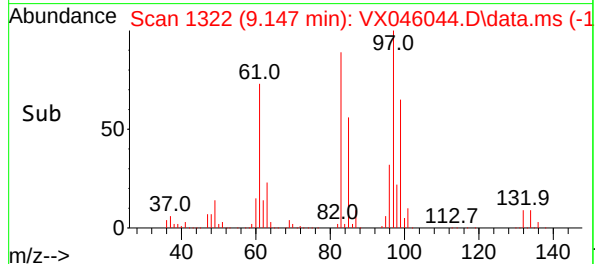
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150



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

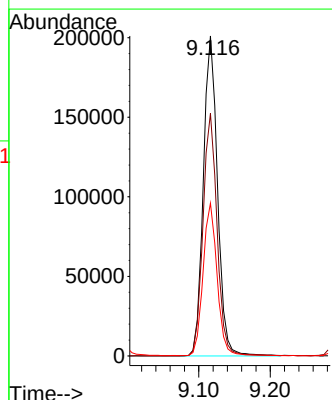
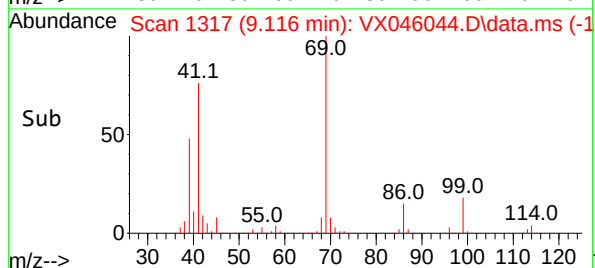
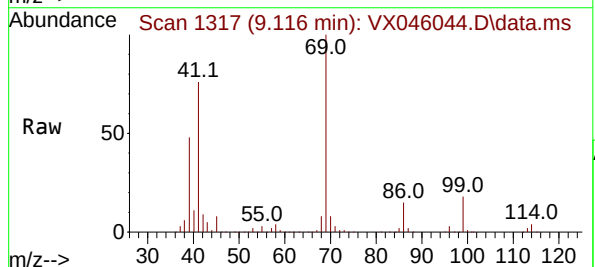
Manual Integrations
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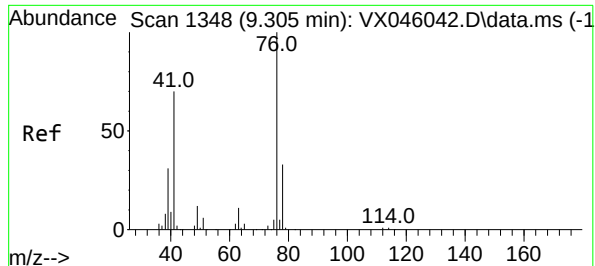
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

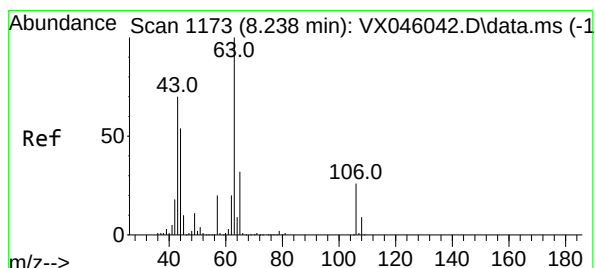
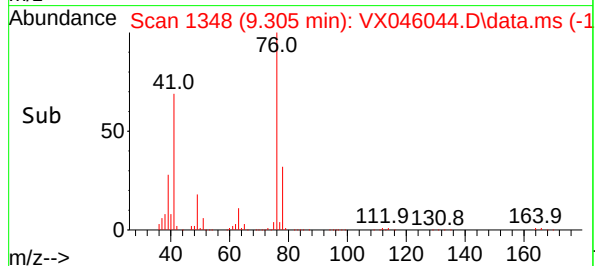
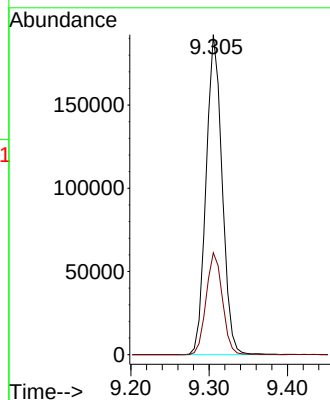
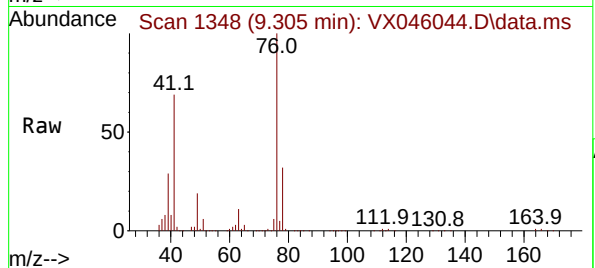
78 32.3 26.3 39.5

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

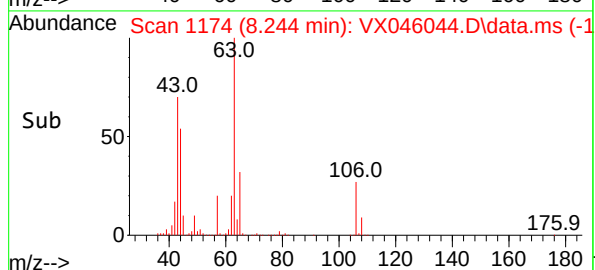
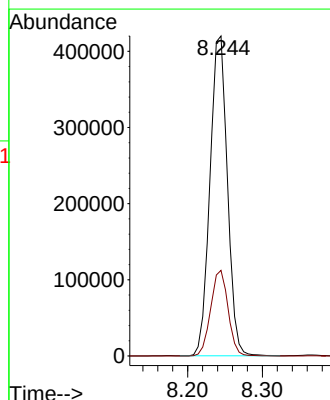
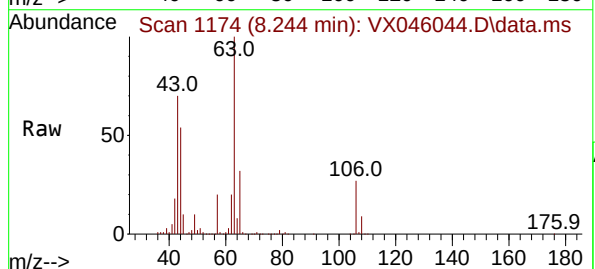
Acq: 05 May 2025 12:45

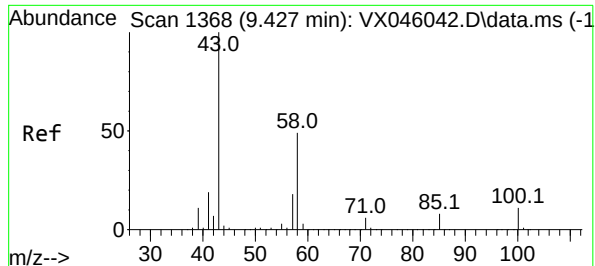
Tgt Ion: 63 Resp: 680608

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

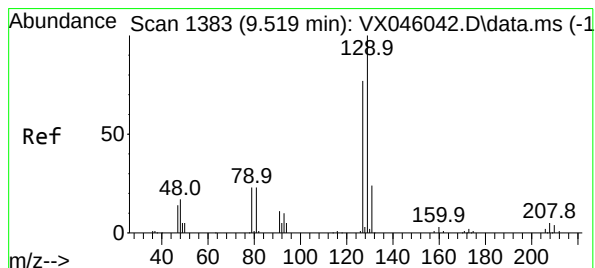
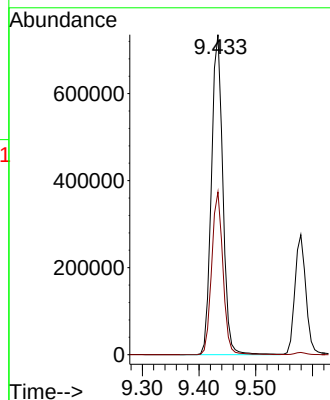
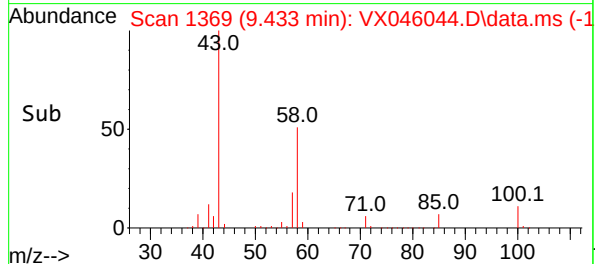
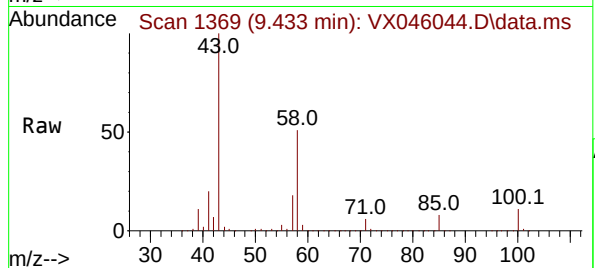
58 50.2 24.9 74.6

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

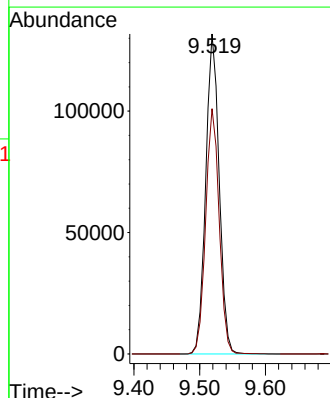
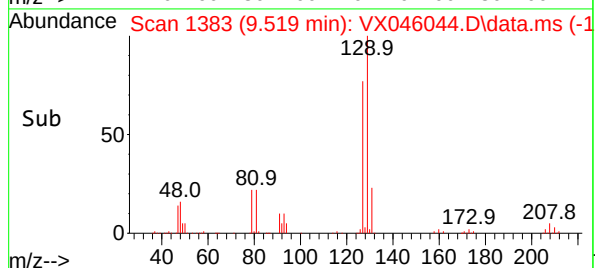
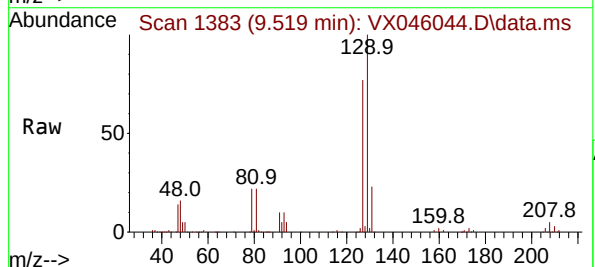
Acq: 05 May 2025 12:45

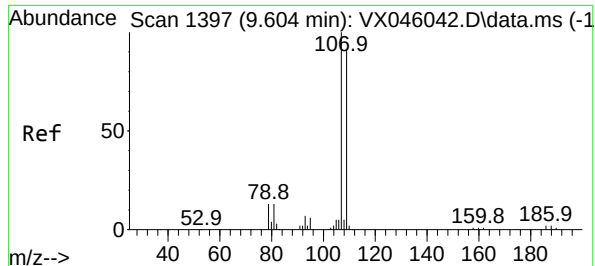
Tgt Ion:129 Resp: 187497

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 :

VSTDIC150

Tgt Ion:107 Resp: 165634

Ion Ratio Lower Upper

107 100

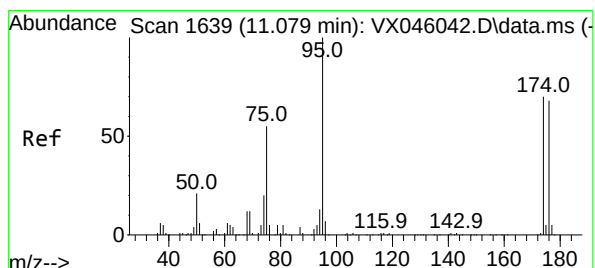
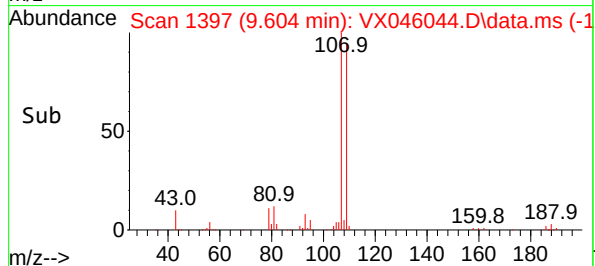
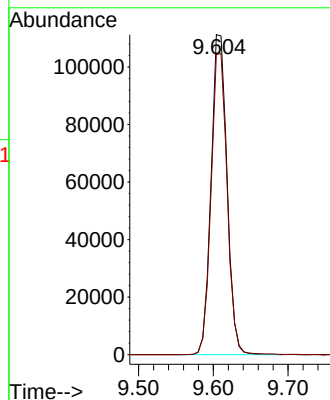
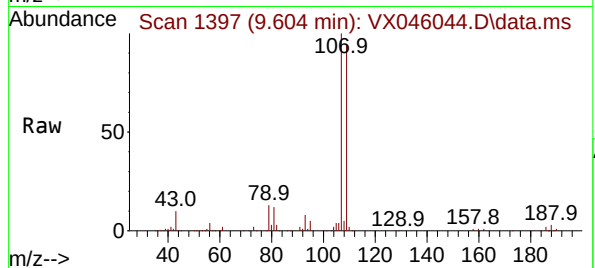
109 94.6 73.3 109.9

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

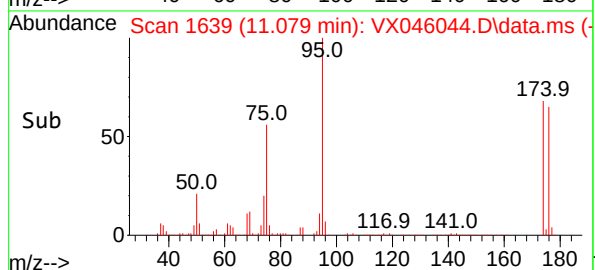
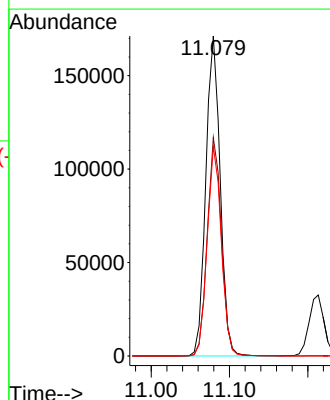
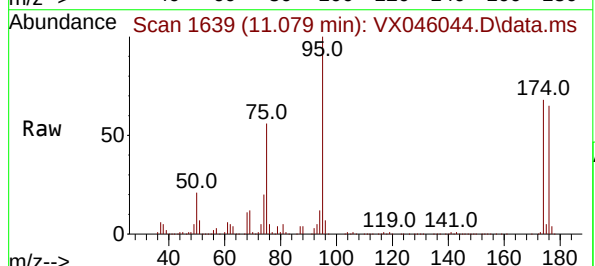
Tgt Ion: 95 Resp: 217536

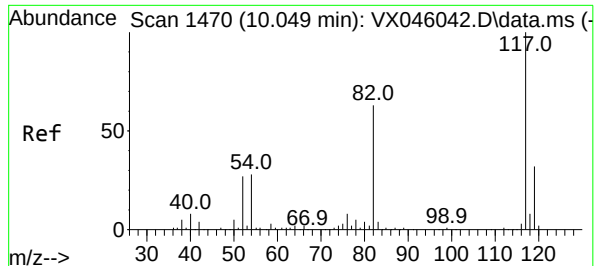
Ion Ratio Lower Upper

95 100

174 67.5 0.0 135.8

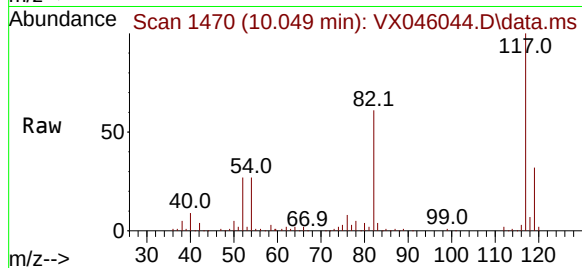
176 64.4 0.0 131.4





#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

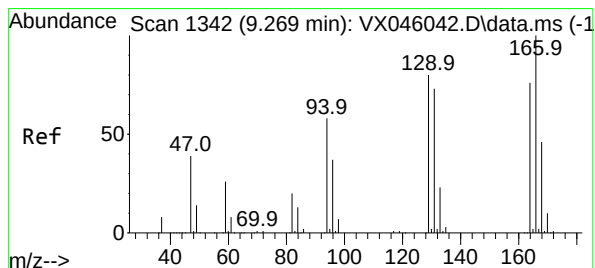
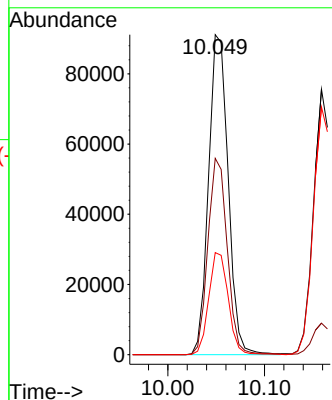
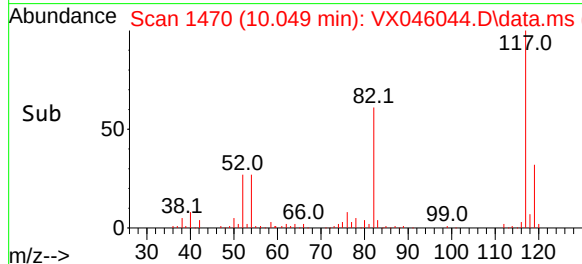
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



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

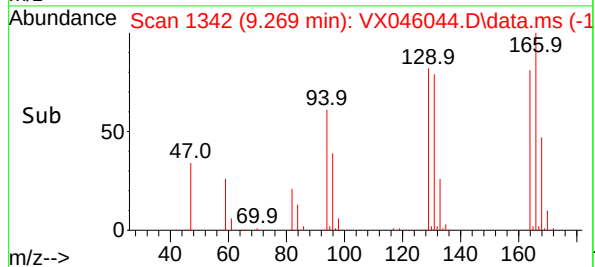
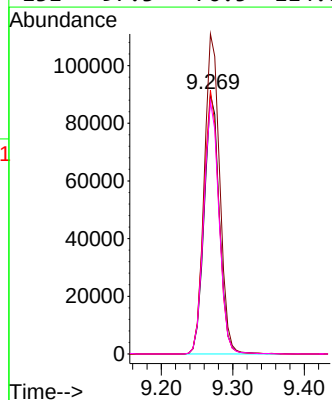
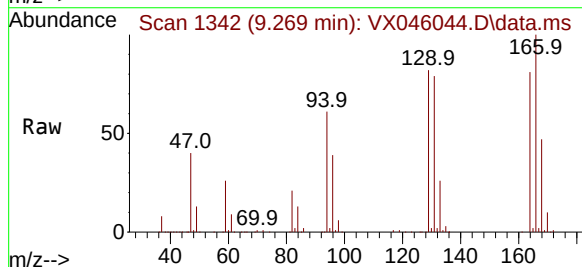
Manual Integrations
APPROVED

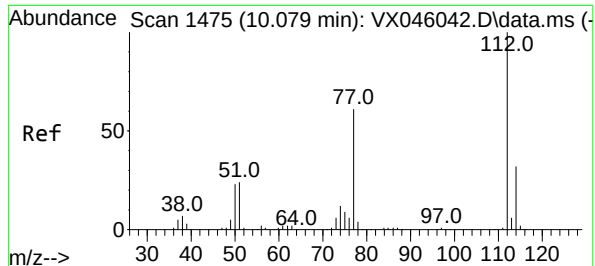
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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





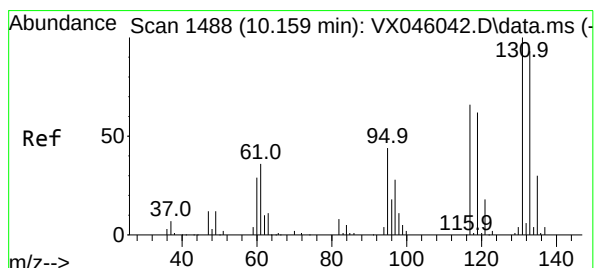
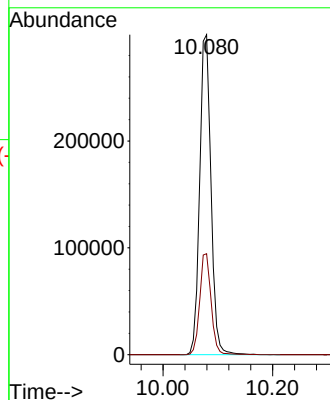
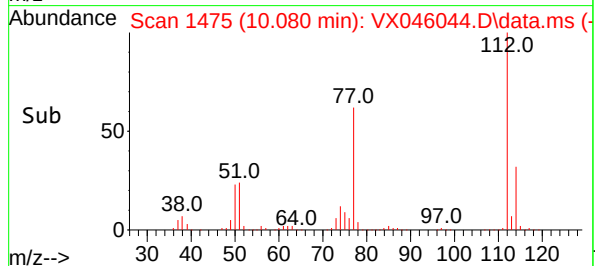
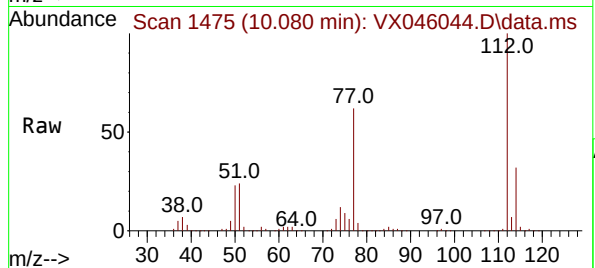
#65
Chlorobenzene
Concen: 108.615 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion:112 Resp: 429650
Ion Ratio Lower Upper
112 100
114 31.5 25.4 38.2

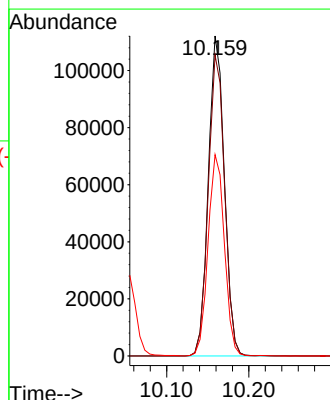
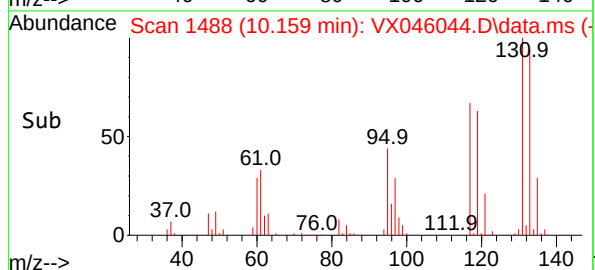
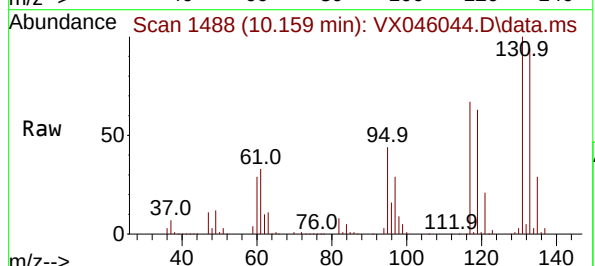
Manual Integrations
APPROVED

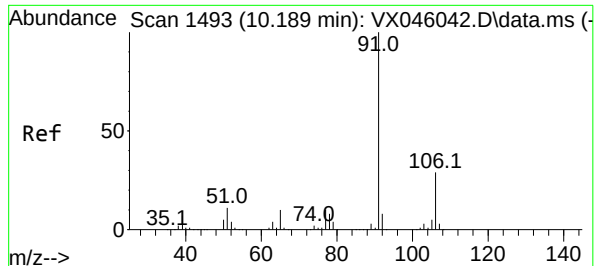
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

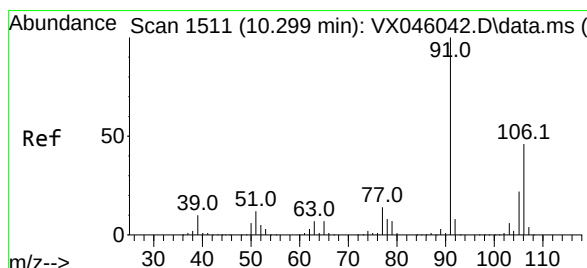
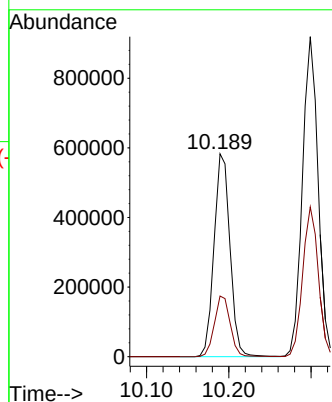
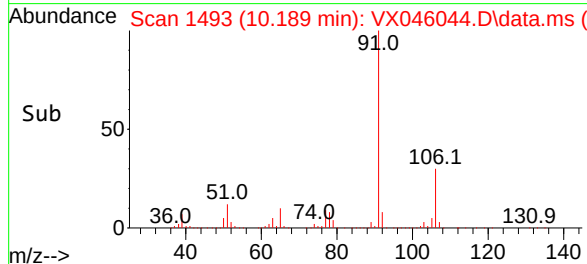
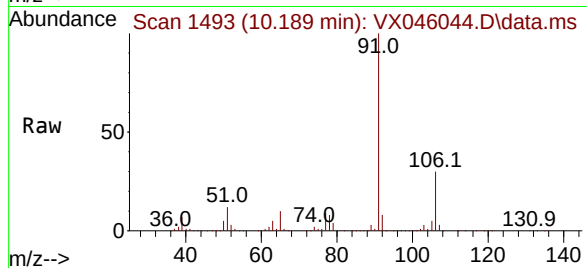
106 29.9 23.4 35.2

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

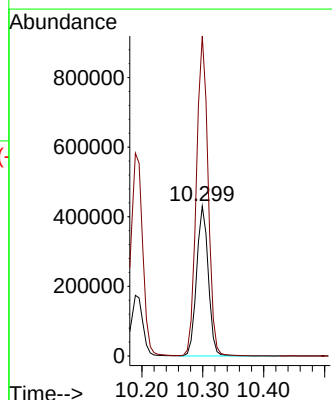
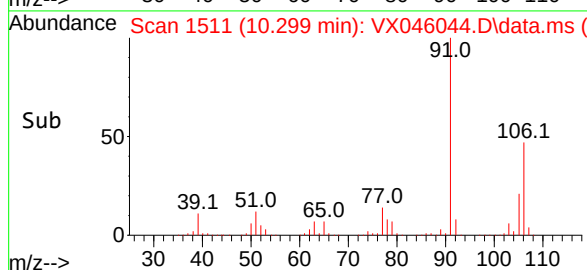
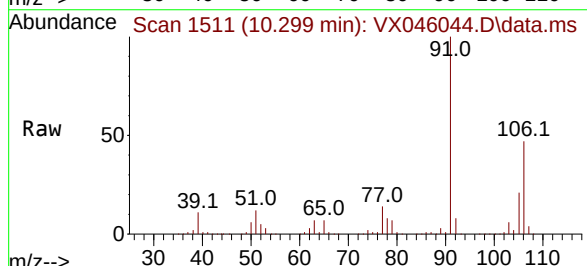
Acq: 05 May 2025 12:45

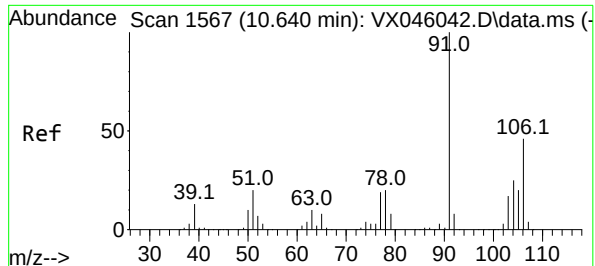
Tgt Ion:106 Resp: 570913

Ion Ratio Lower Upper

106 100

91 214.2 171.2 256.8





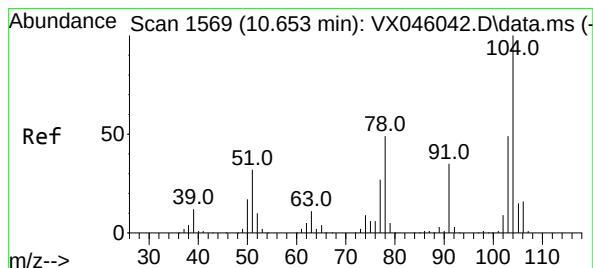
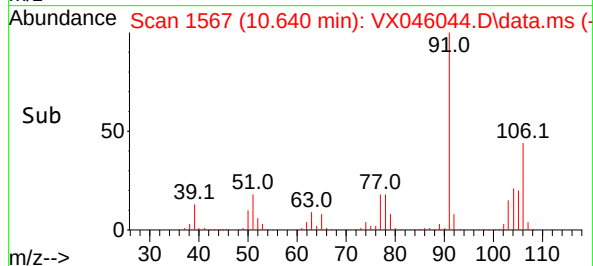
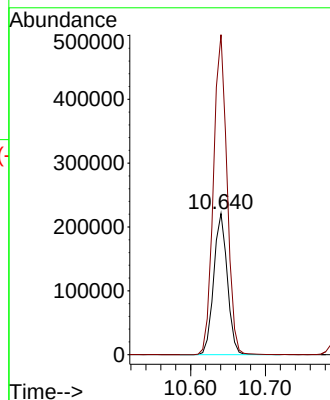
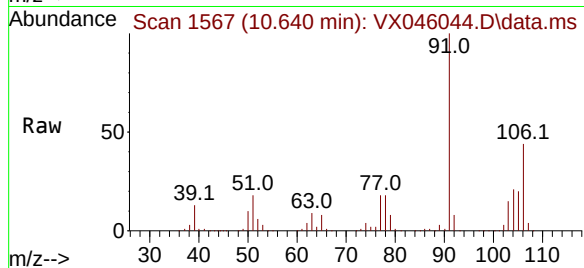
#69
o-Xylene
Concen: 113.990 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:106 Resp: 279900
Ion Ratio Lower Upper
106 100
91 226.9 112.7 338.1

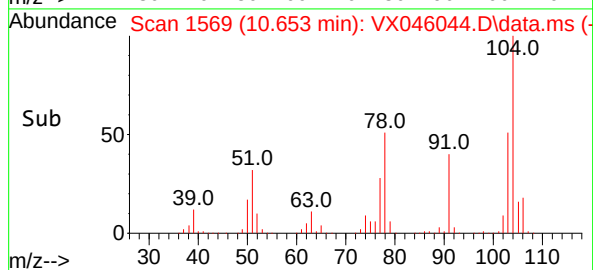
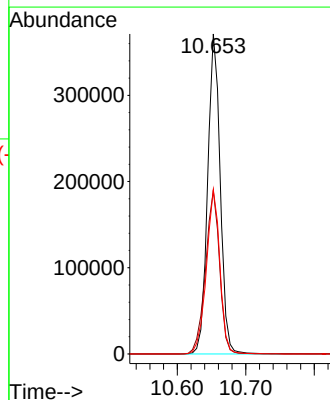
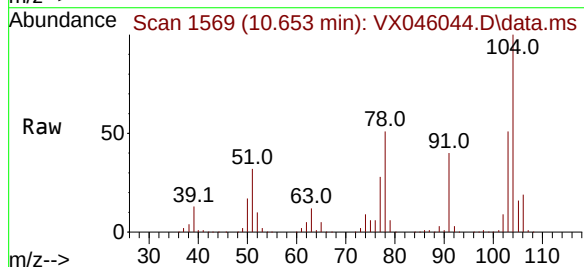
Manual Integrations
APPROVED

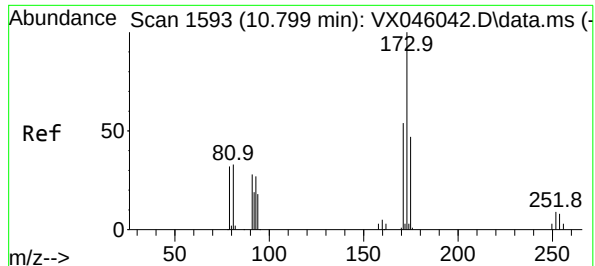
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

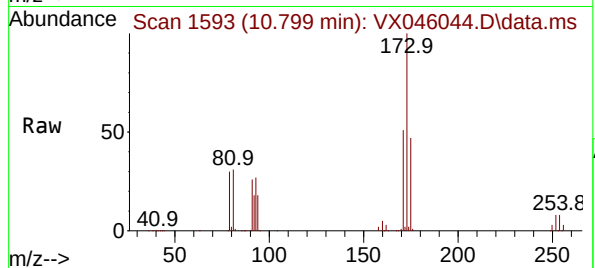
Tgt Ion:104 Resp: 474254
Ion Ratio Lower Upper
104 100
78 57.2 45.7 68.5
103 55.5 43.7 65.5





#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

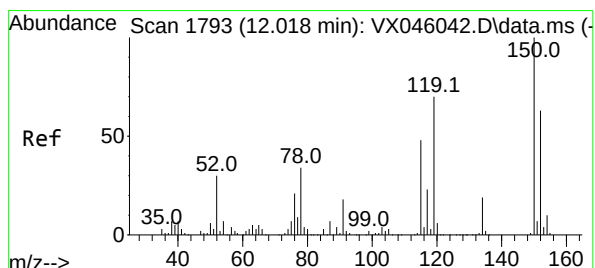
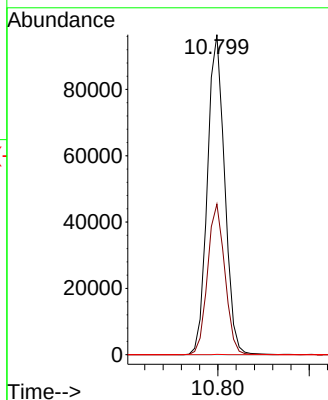
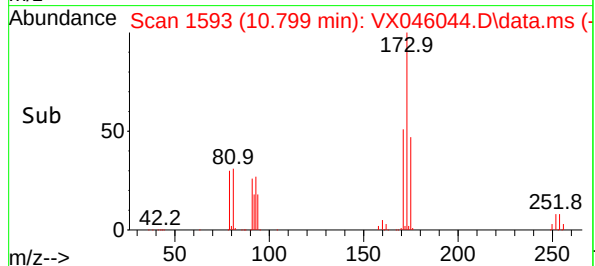
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



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

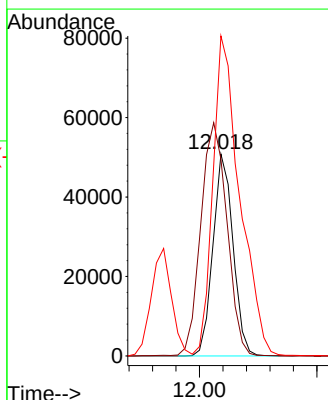
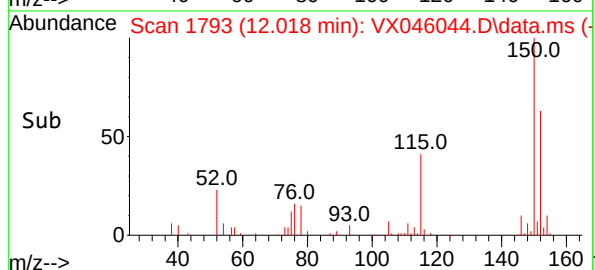
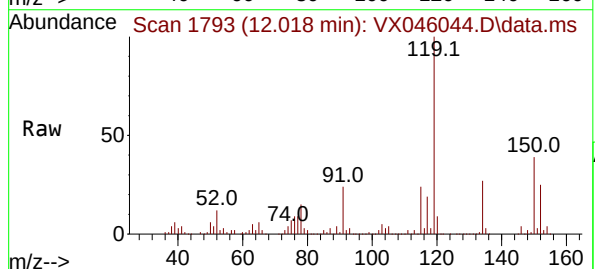
Manual Integrations
APPROVED

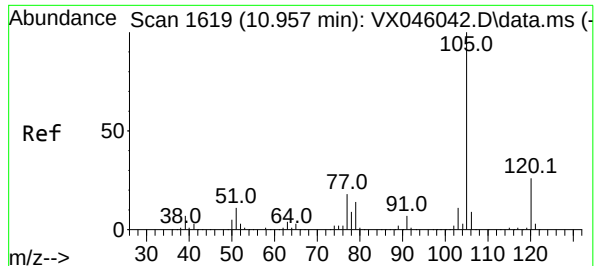
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

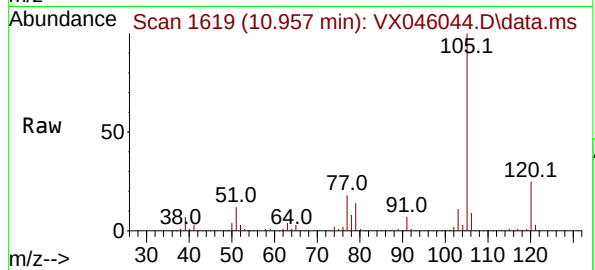
Tgt Ion:152 Resp: 60345
Ion Ratio Lower Upper
152 100
115 150.7 46.9 140.7#
150 211.6 0.0 351.0





#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

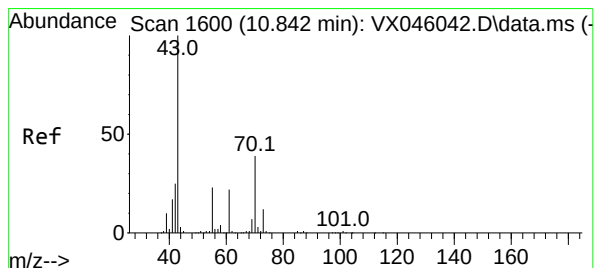
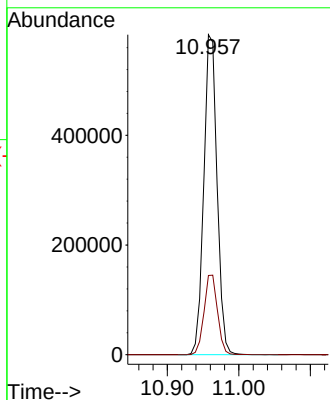
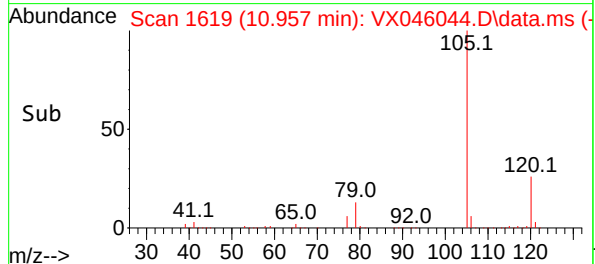
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



Tgt Ion:105 Resp: 75233
Ion Ratio Lower Upper
105 100
120 25.3 12.8 38.4

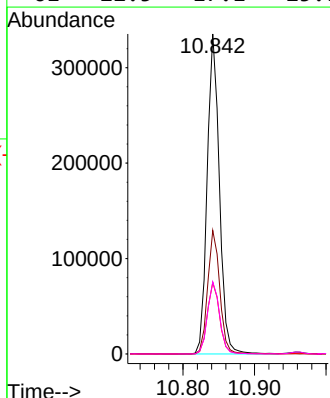
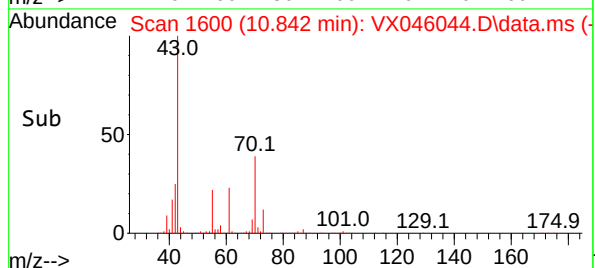
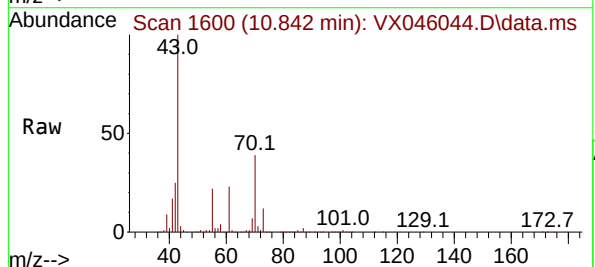
Manual Integrations
APPROVED

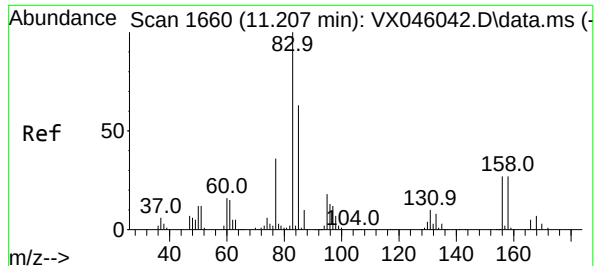
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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





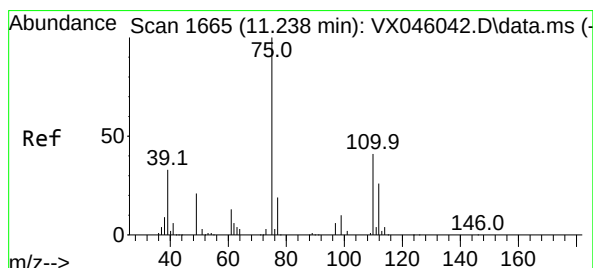
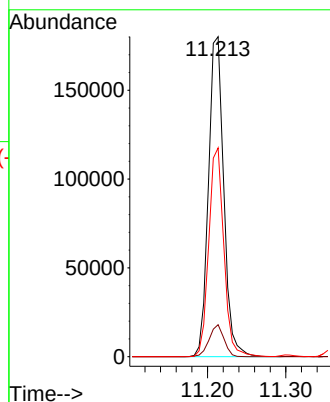
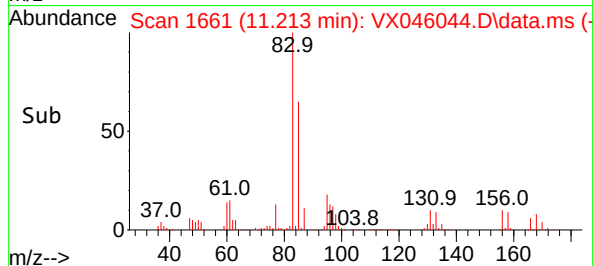
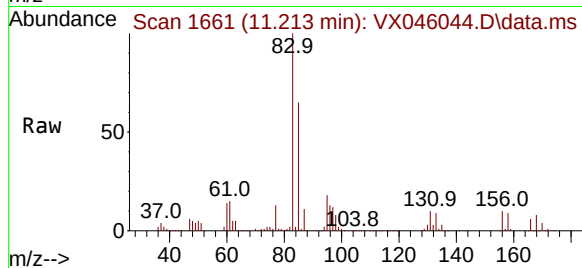
#75
1,1,2,2-Tetrachloroethane
Concen: 104.018 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

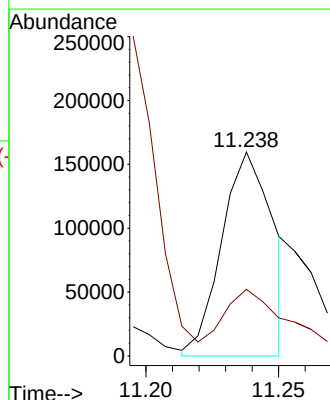
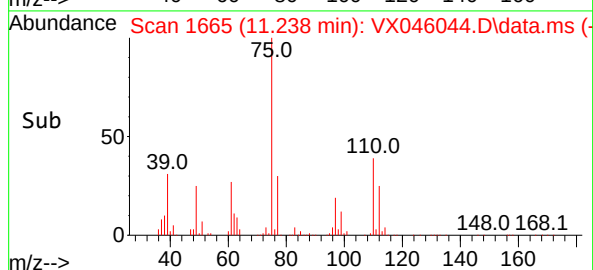
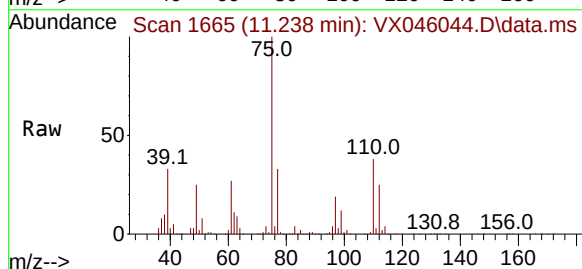
Manual Integrations
APPROVED

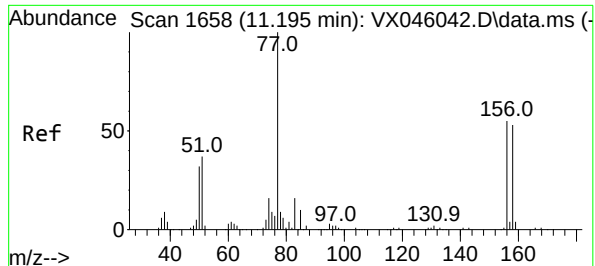
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

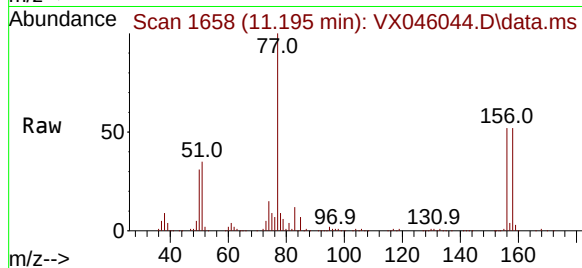
Tgt Ion: 75 Resp: 213744
Ion Ratio Lower Upper
75 100
77 42.4 20.5 61.5





#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

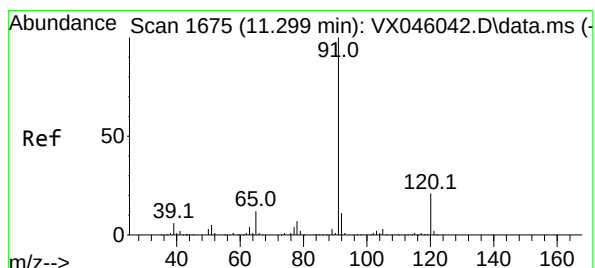
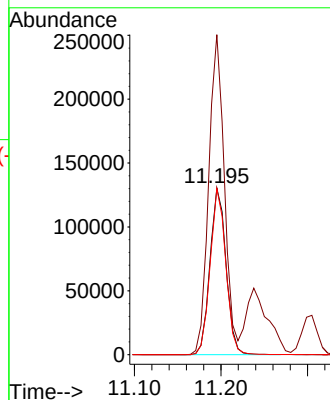
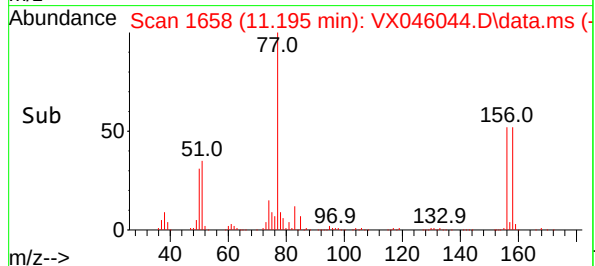
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150



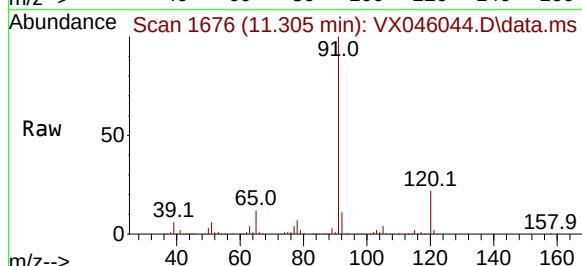
Tgt Ion:156 Resp: 167934
Ion Ratio Lower Upper
156 100
77 187.1 92.8 278.3
158 97.3 48.8 146.3

Manual Integrations
APPROVED

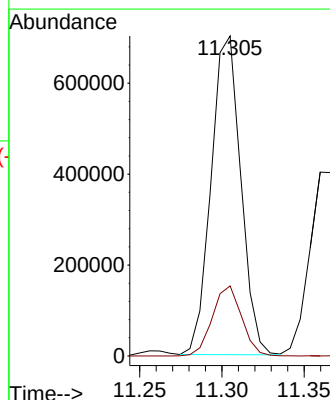
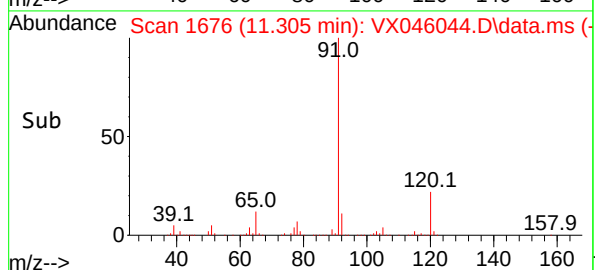
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

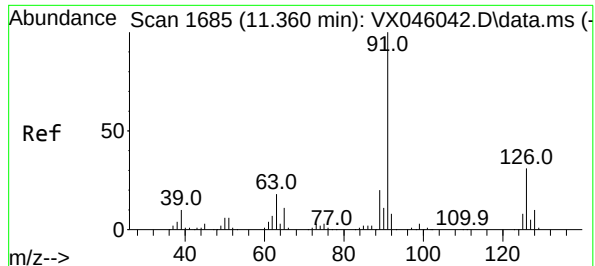


#78
n-propylbenzene
Concen: 119.448 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45



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 :

VSTDIC150

Tgt Ion: 91 Resp: 534560

Ion Ratio Lower Upper

91 100

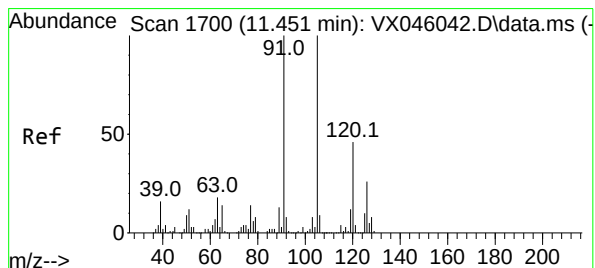
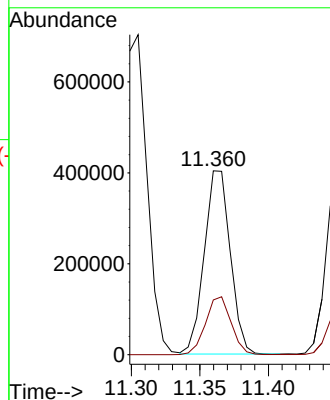
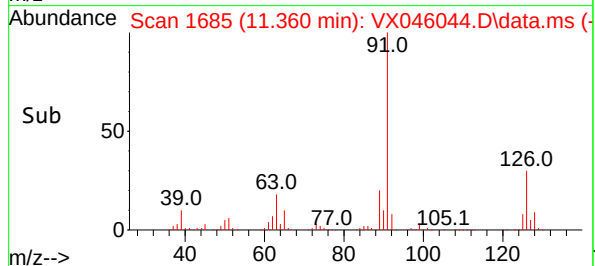
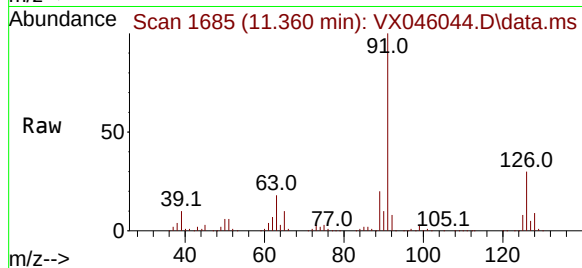
126 31.0 15.6 46.7

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

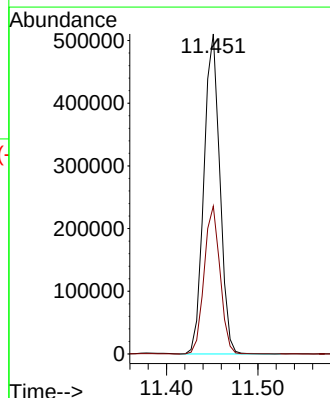
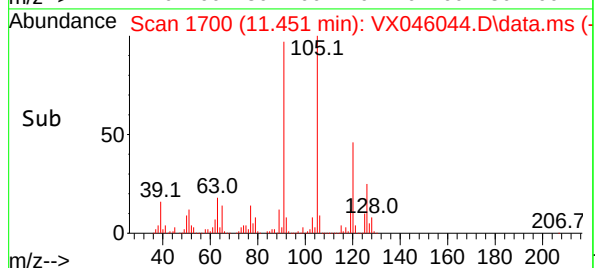
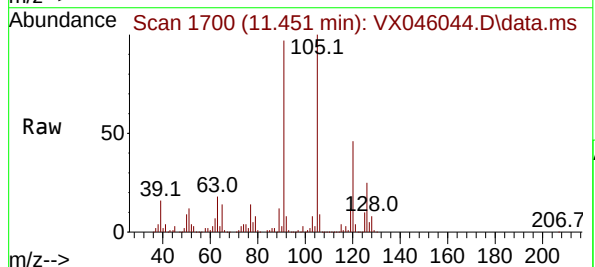
Acq: 05 May 2025 12:45

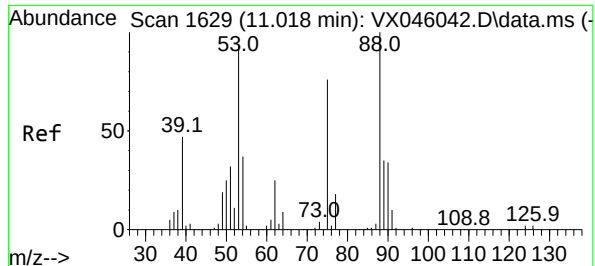
Tgt Ion:105 Resp: 616477

Ion Ratio Lower Upper

105 100

120 46.0 23.1 69.2





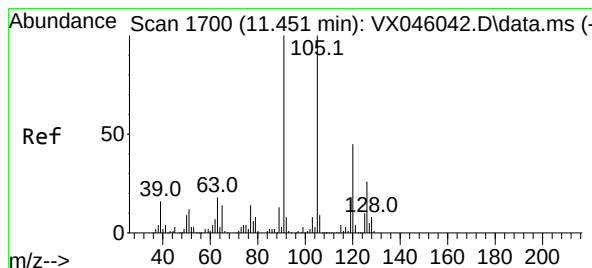
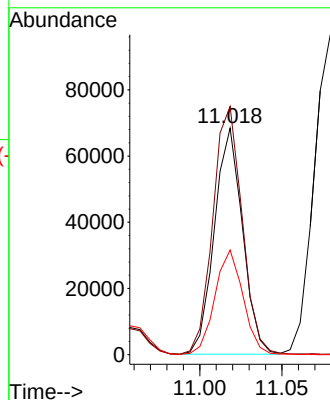
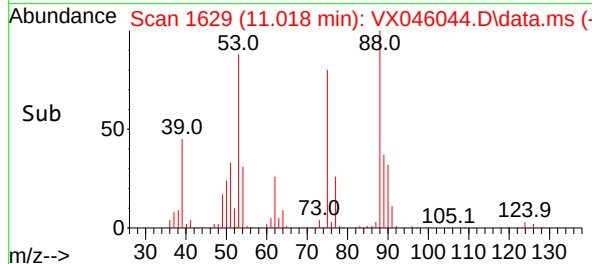
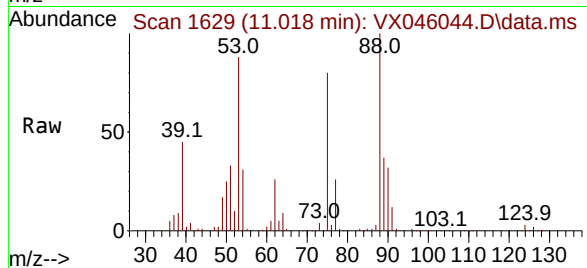
#81
trans-1,4-Dichloro-2-butene
Concen: 134.609 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

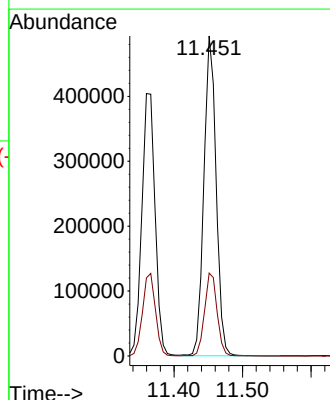
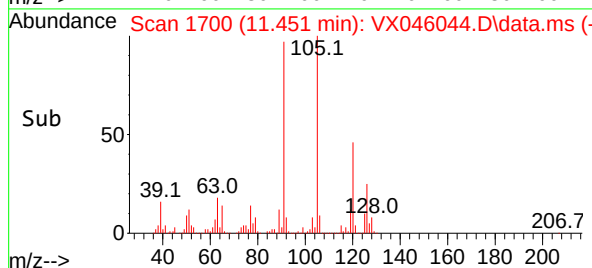
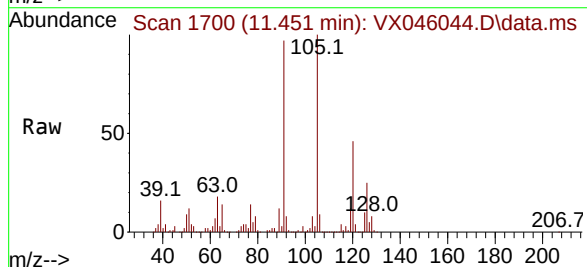
Manual Integrations
APPROVED

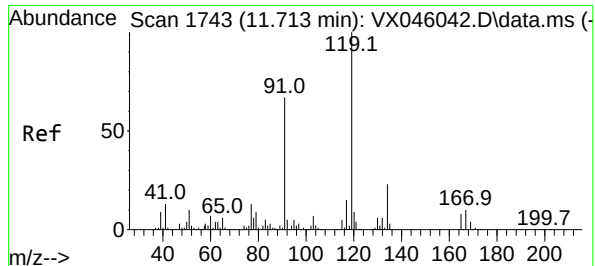
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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





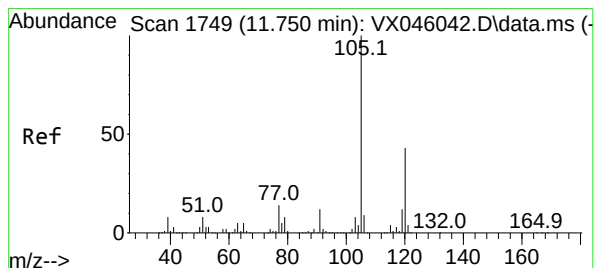
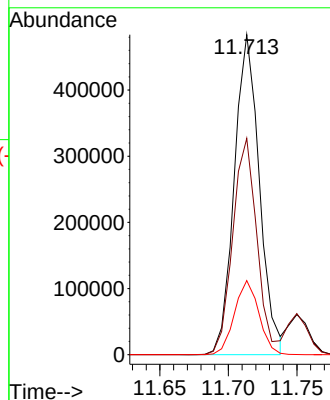
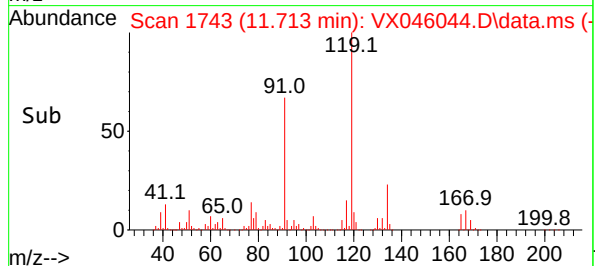
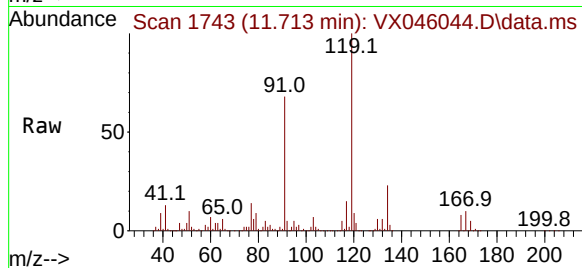
#83
tert-Butylbenzene
Concen: 115.065 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

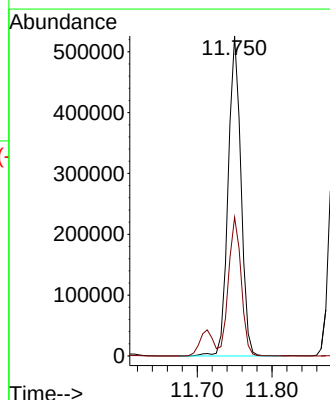
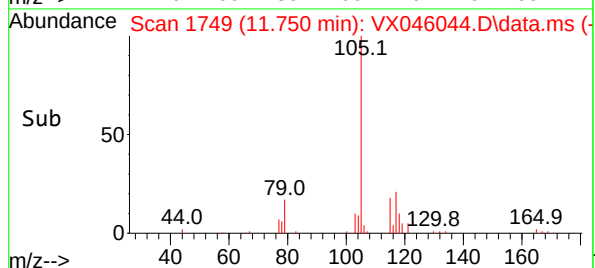
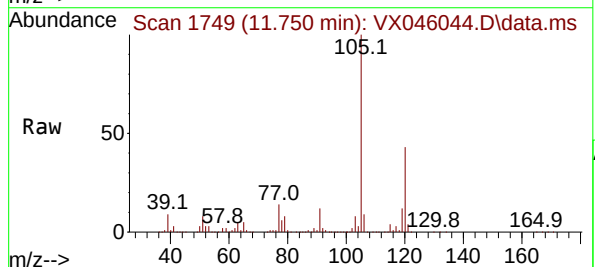
Manual Integrations
APPROVED

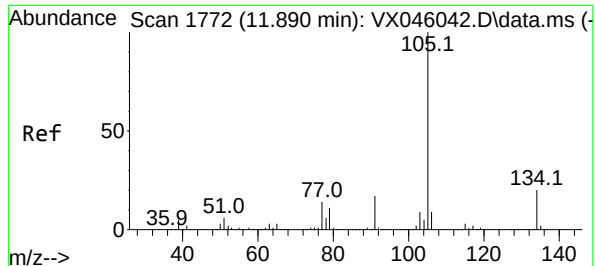
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

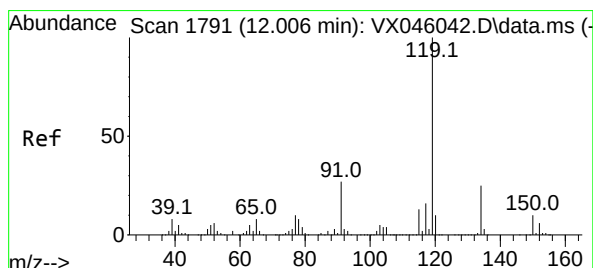
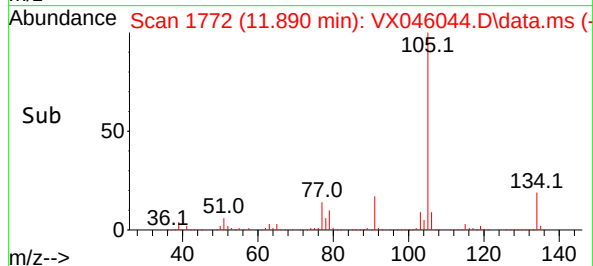
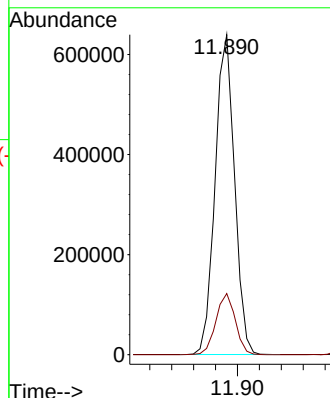
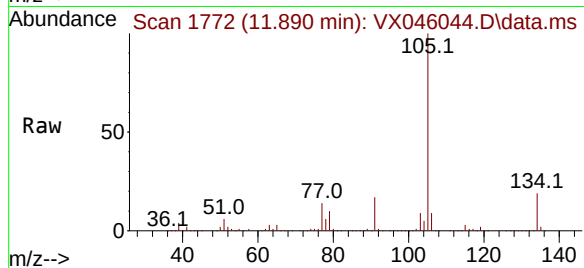
134 19.1 9.7 29.1

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

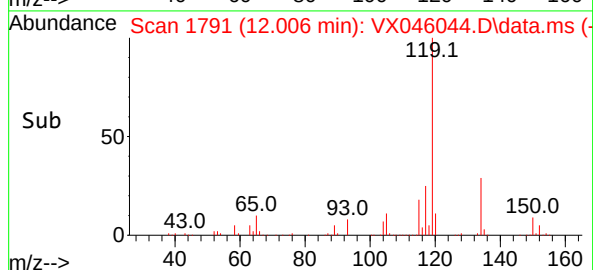
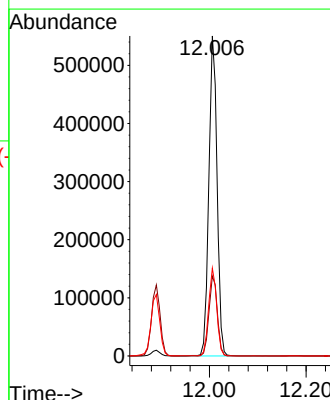
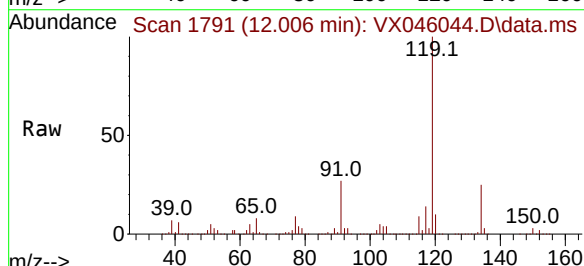
Tgt Ion:119 Resp: 651531

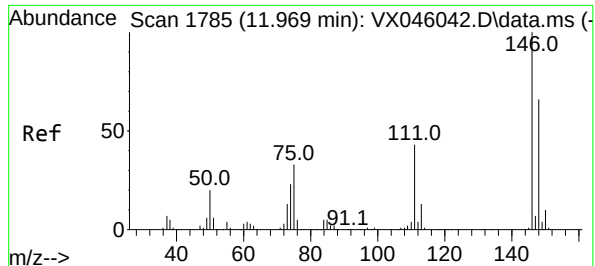
Ion Ratio Lower Upper

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

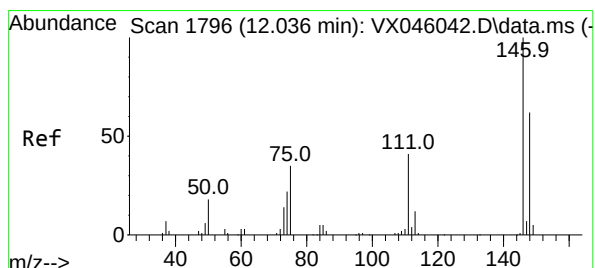
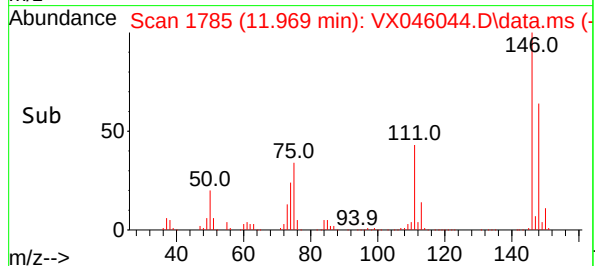
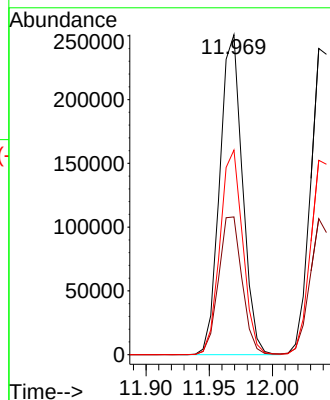
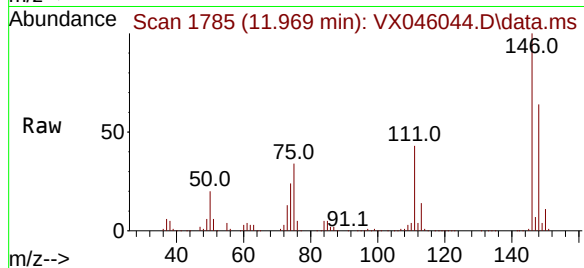
148 64.0 32.1 96.5

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

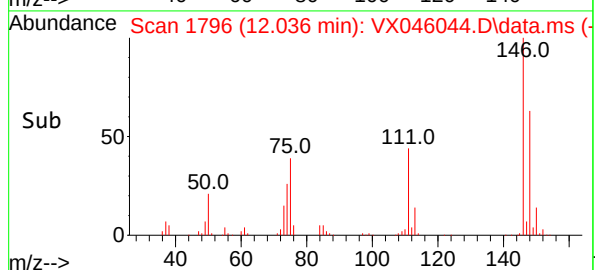
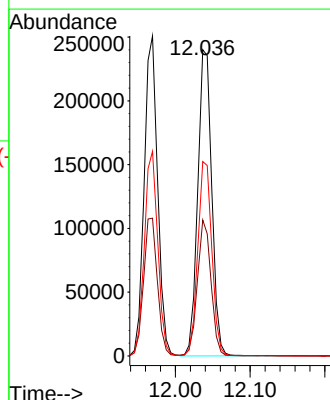
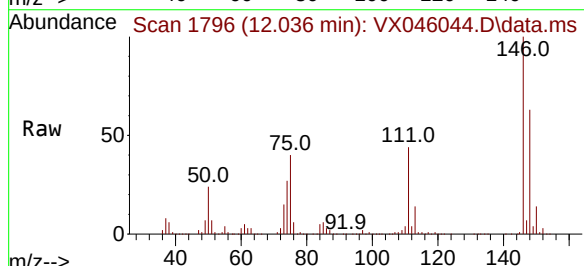
Tgt Ion:146 Resp: 311752

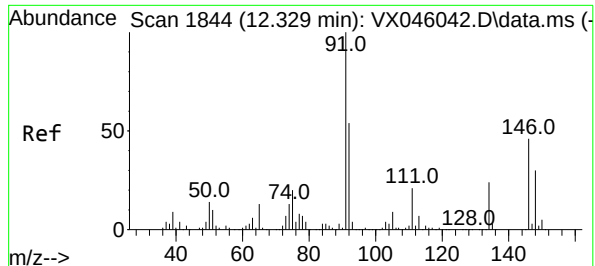
Ion Ratio Lower Upper

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

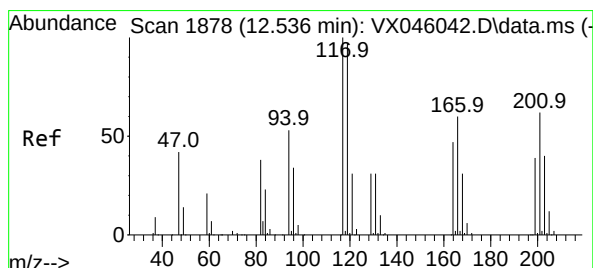
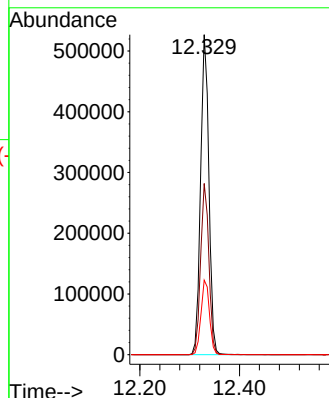
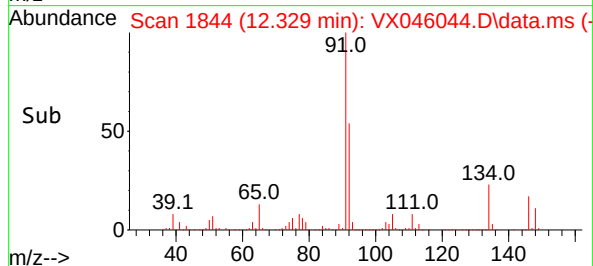
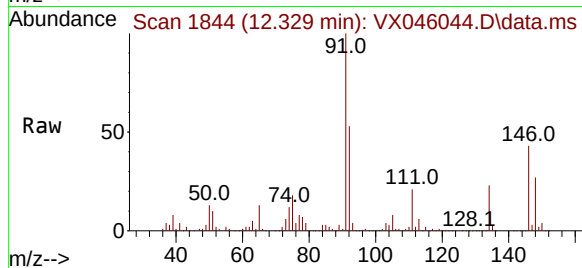
134 24.0 11.8 35.3

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

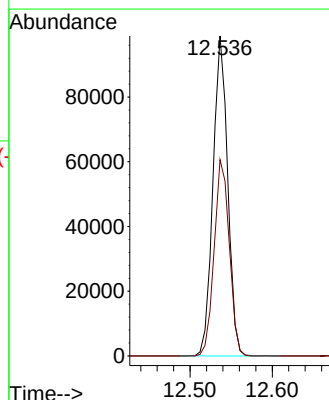
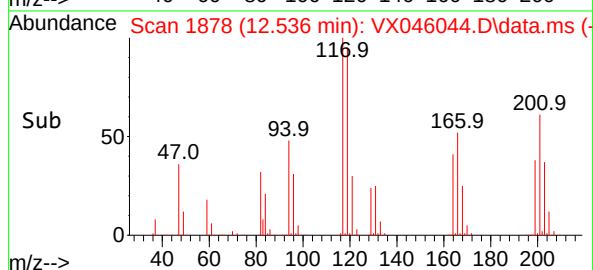
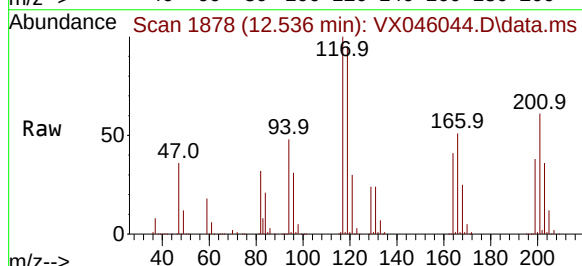
Acq: 05 May 2025 12:45

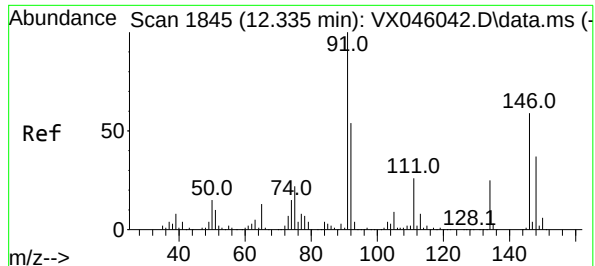
Tgt Ion:117 Resp: 123188

Ion Ratio Lower Upper

117 100

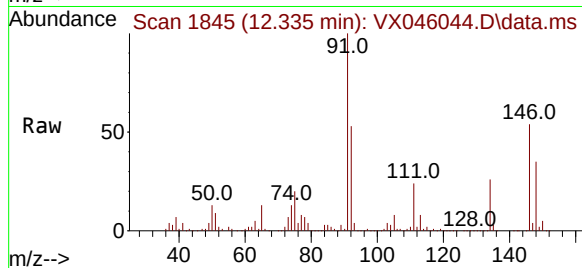
201 63.2 31.6 94.7





#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

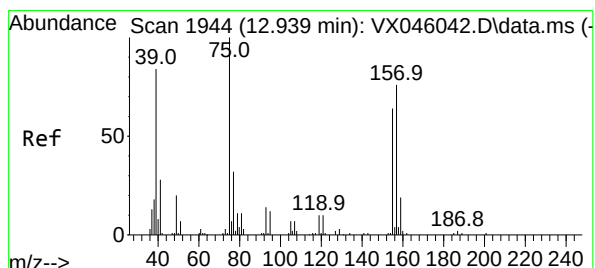
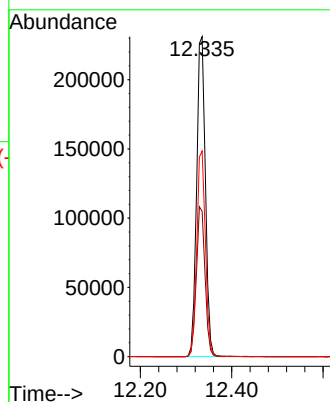
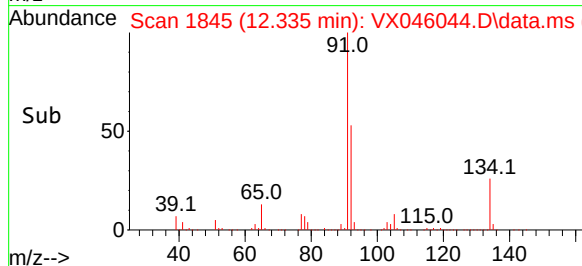
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150



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

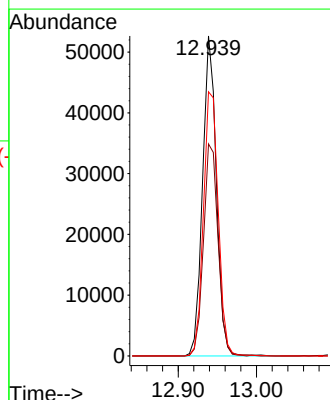
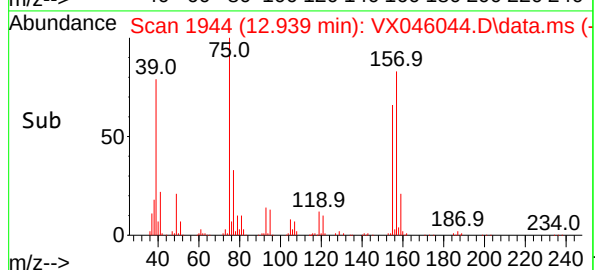
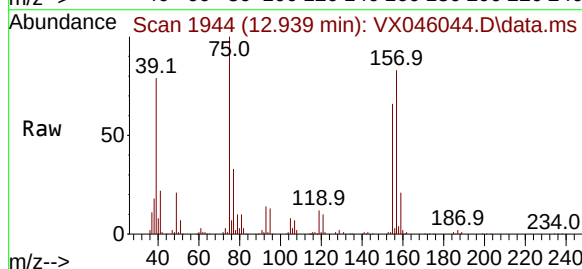
Manual Integrations
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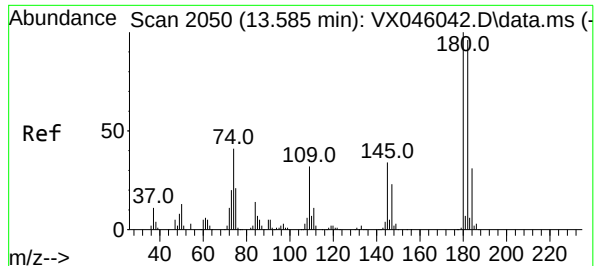
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 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

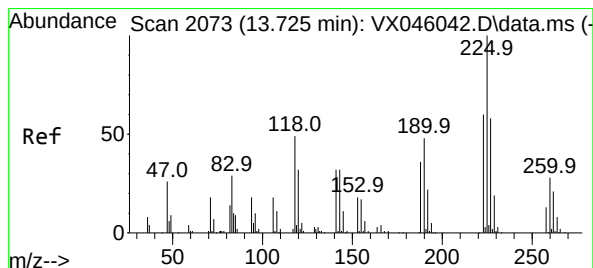
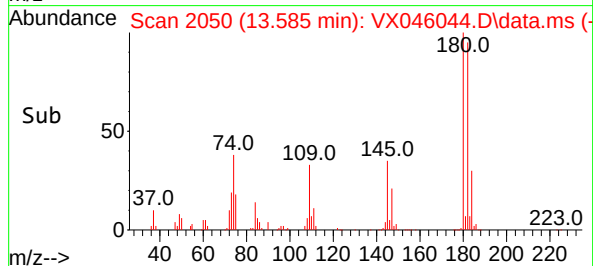
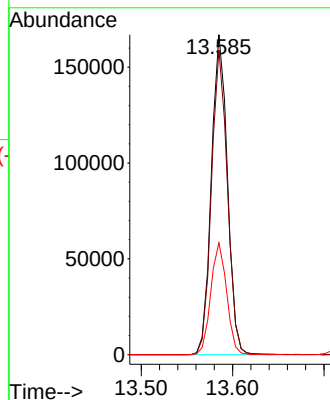
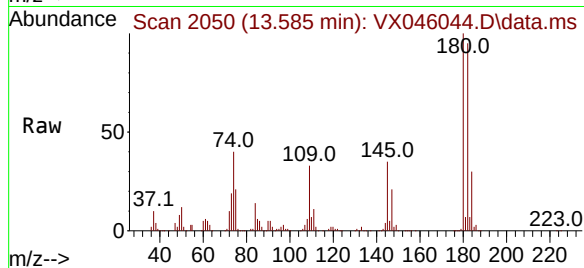
145 34.5 17.1 51.2

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

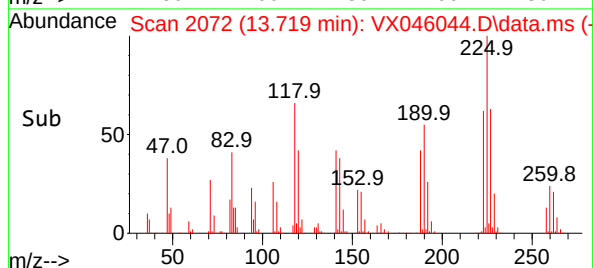
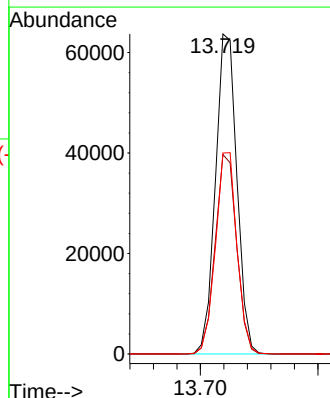
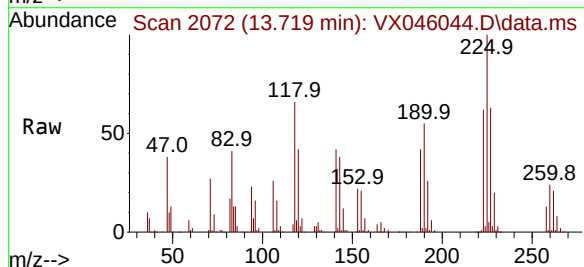
Tgt Ion:225 Resp: 80558

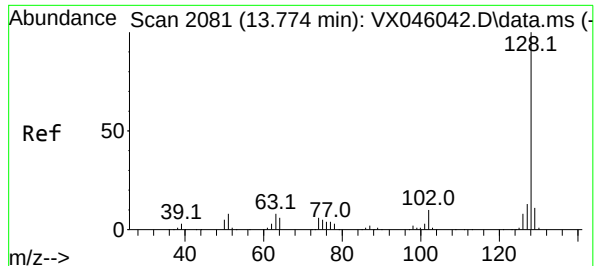
Ion Ratio Lower Upper

225 100

223 62.5 30.8 92.4

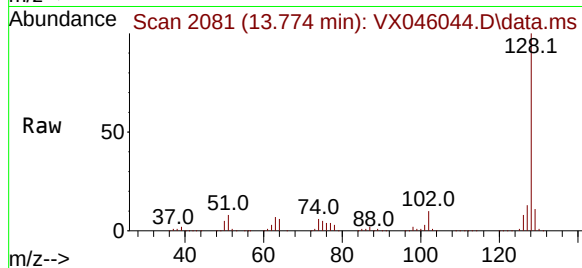
227 63.1 30.9 92.7





#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

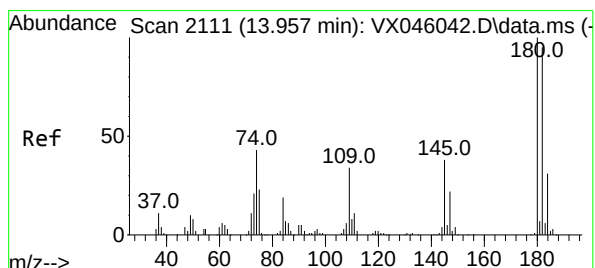
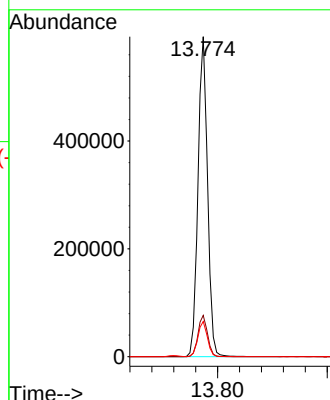
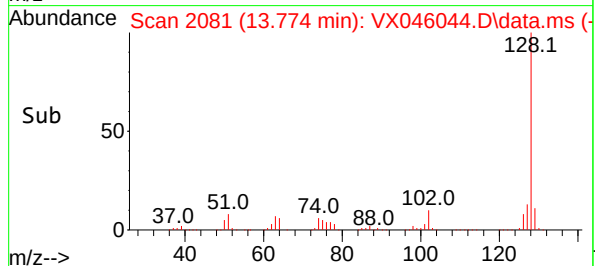
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



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

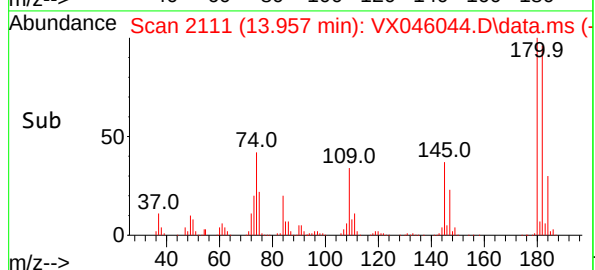
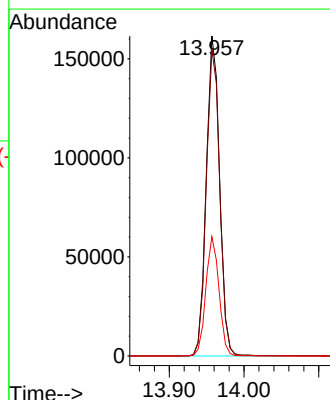
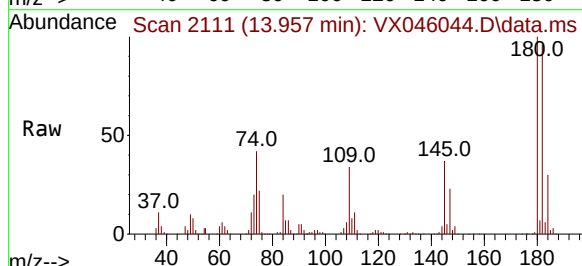
Manual Integrations
APPROVED

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

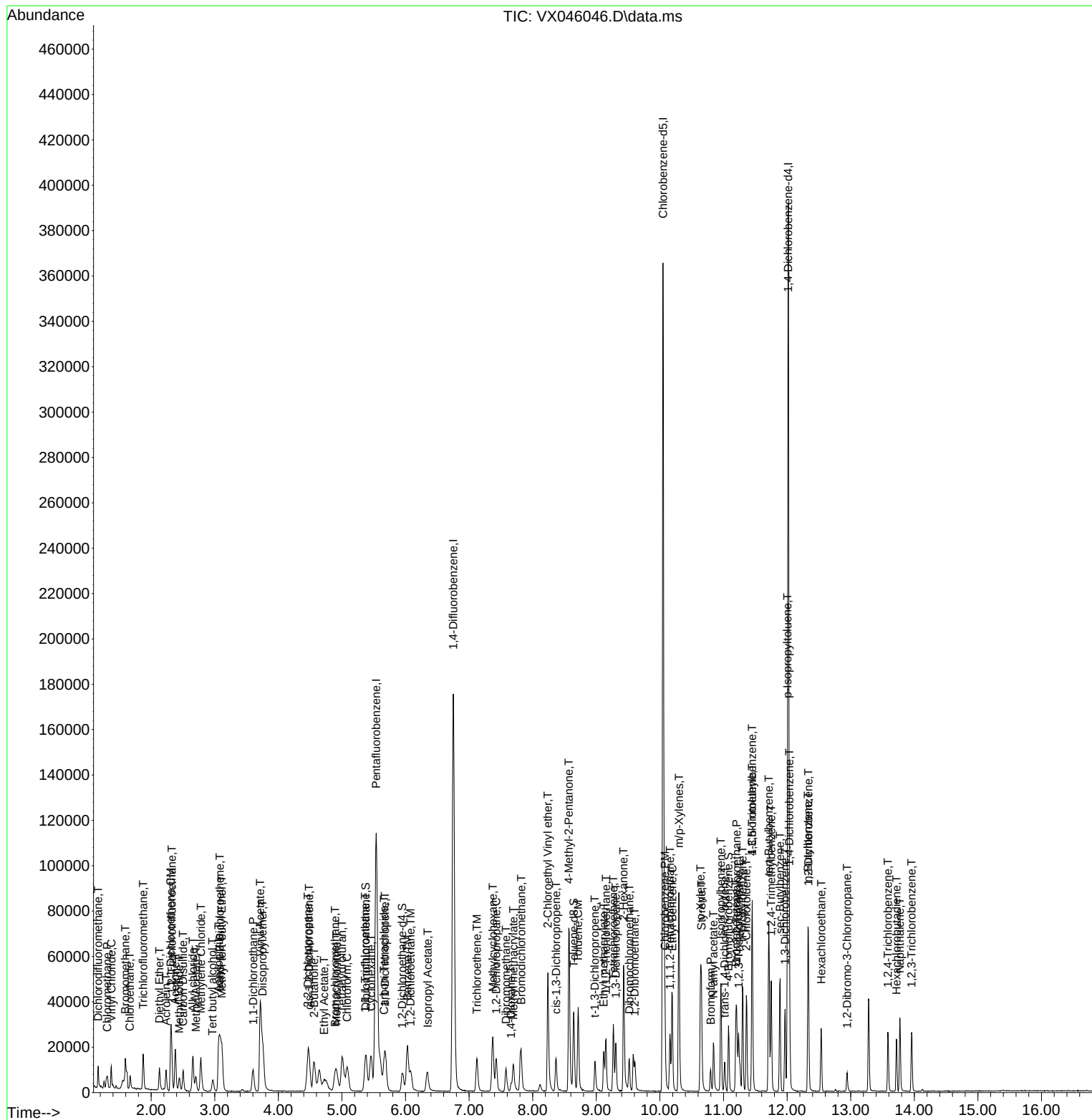
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

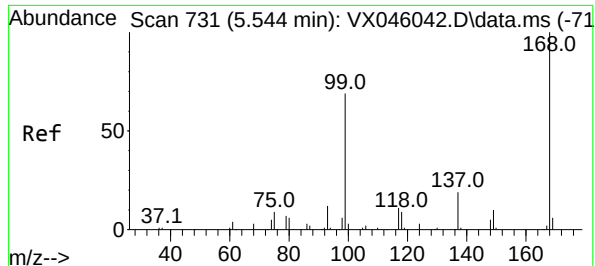
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

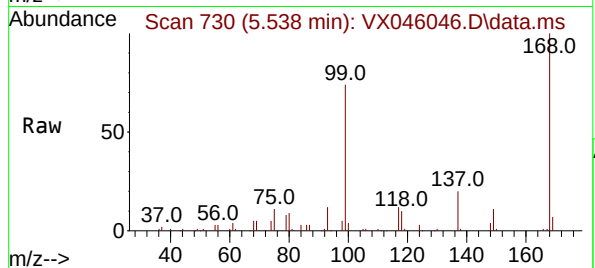
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025





#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

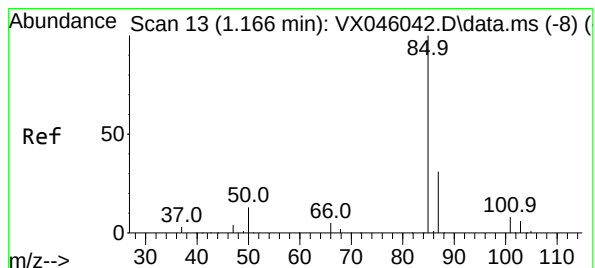
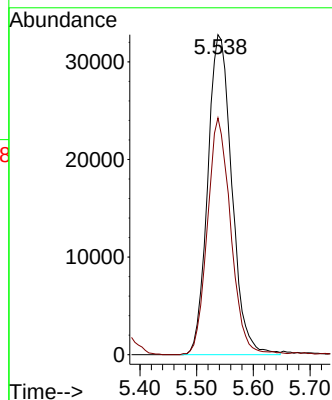
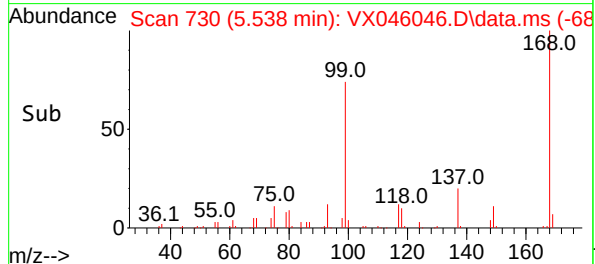
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion:168 Resp: 9696
Ion Ratio Lower Upper
168 100
99 74.0 54.9 82.3

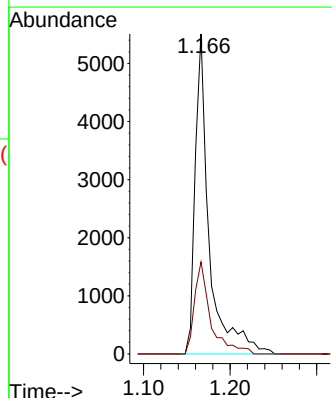
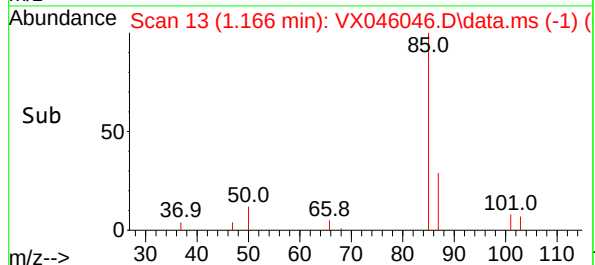
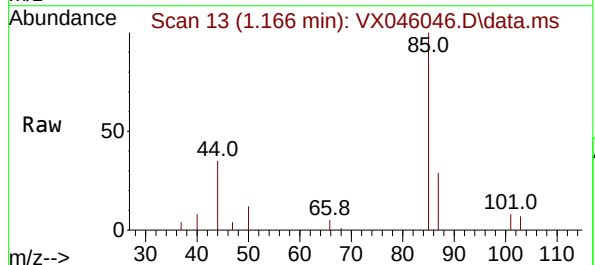
Manual Integrations
APPROVED

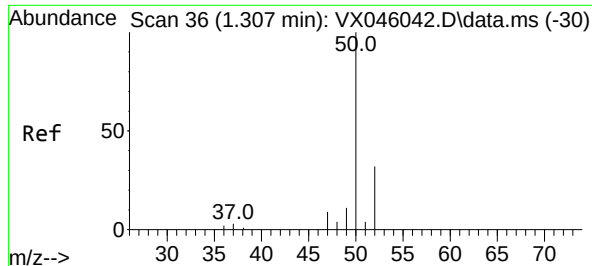
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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





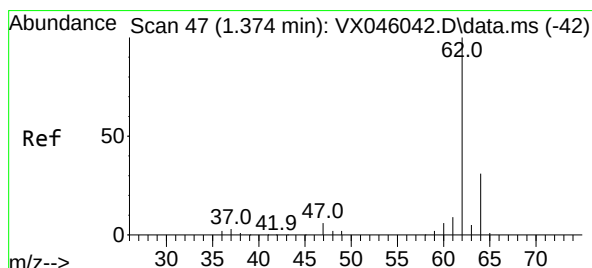
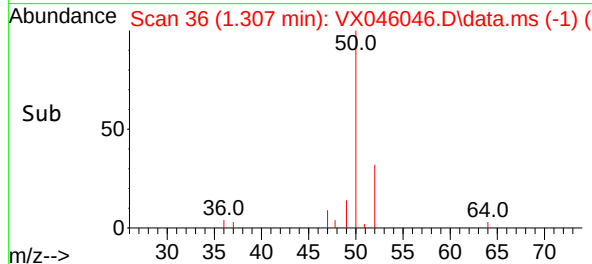
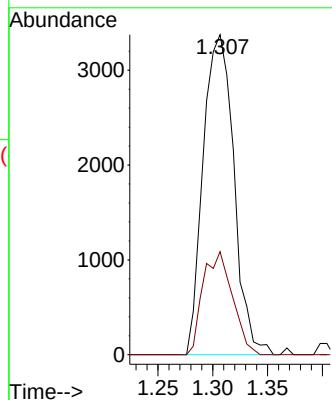
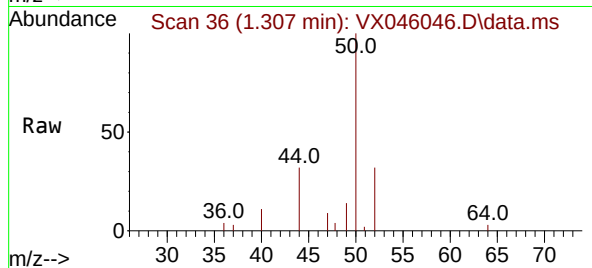
#3
Chloromethane
Concen: 3.125 ug/l
RT: 1.307 min Scan# 30
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 658
Ion Ratio Lower Upper
50 100
52 32.2 25.4 38.2

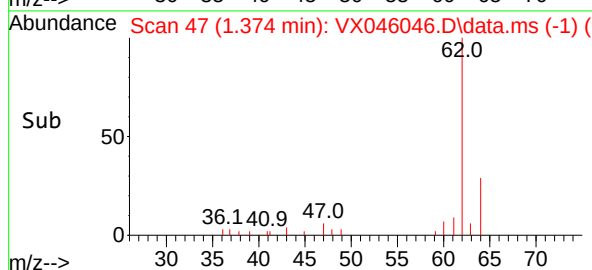
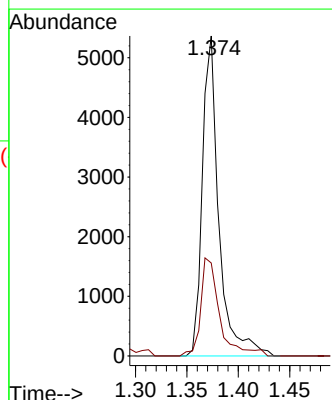
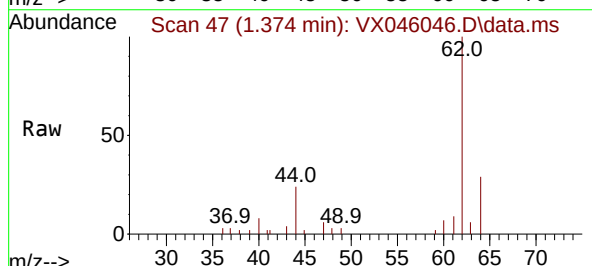
Manual Integrations
APPROVED

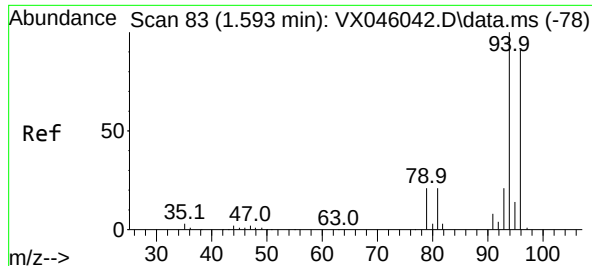
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#4
Vinyl Chloride
Concen: 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

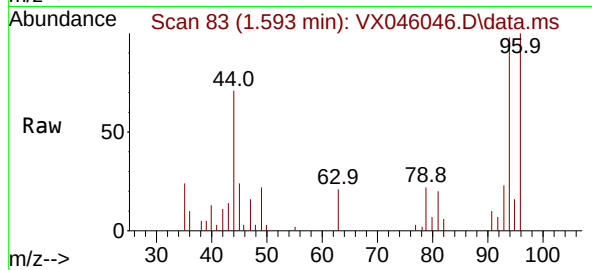
Tgt Ion: 62 Resp: 5999
Ion Ratio Lower Upper
62 100
64 29.1 25.2 37.8





#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

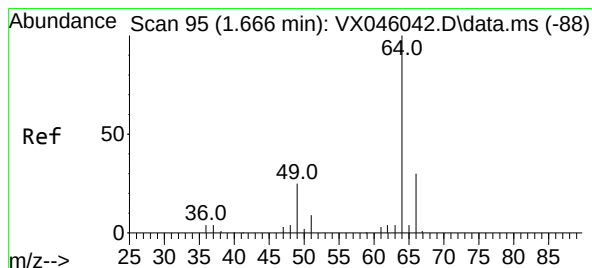
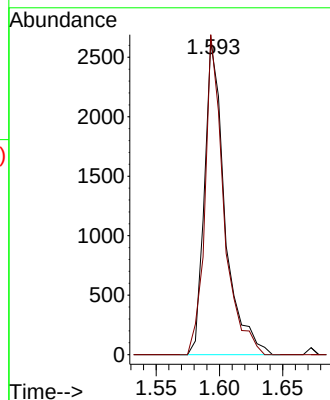
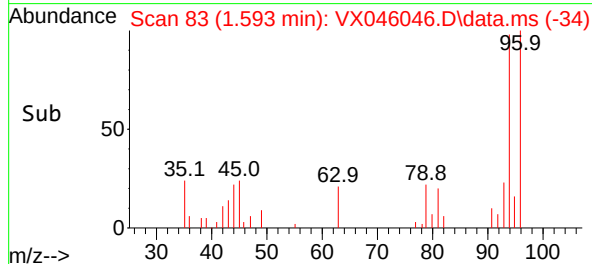
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion: 94 Resp: 2962
Ion Ratio Lower Upper
94 100
96 102.2 72.8 109.2

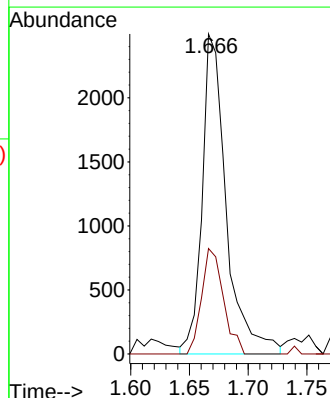
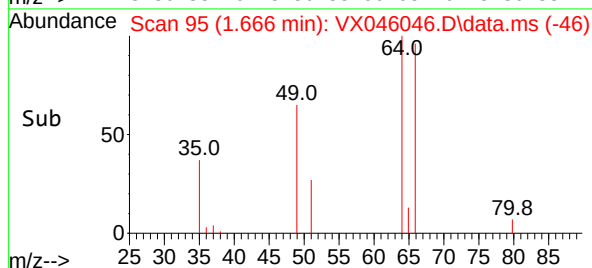
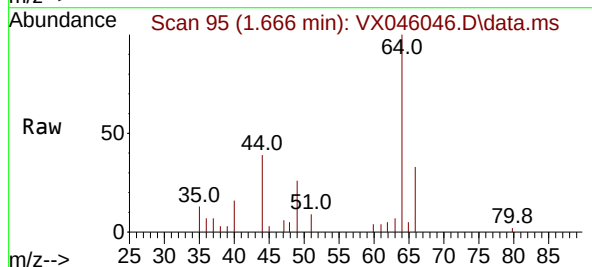
Manual Integrations
APPROVED

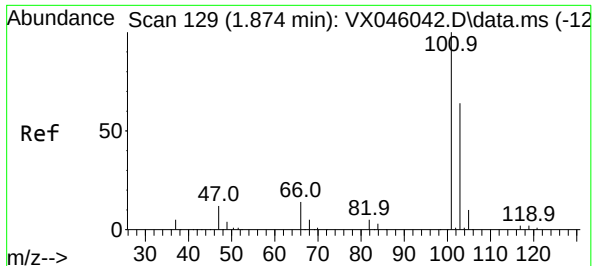
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

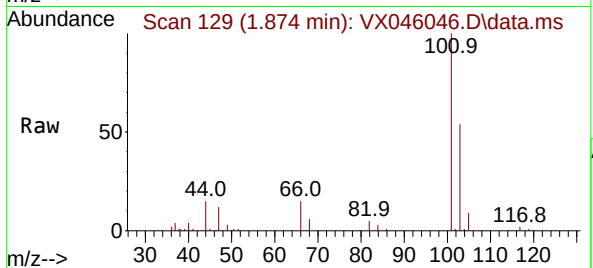
Tgt Ion: 64 Resp: 3567
Ion Ratio Lower Upper
64 100
66 33.7 24.3 36.5





#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

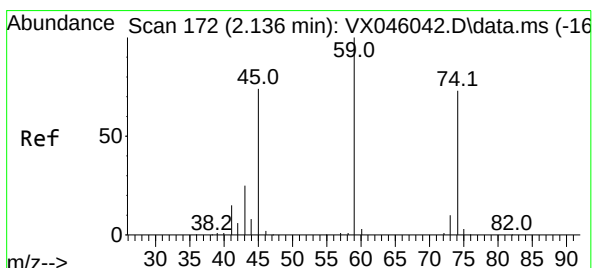
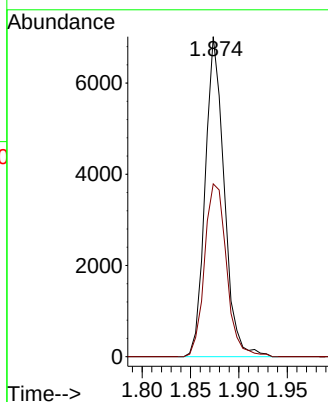
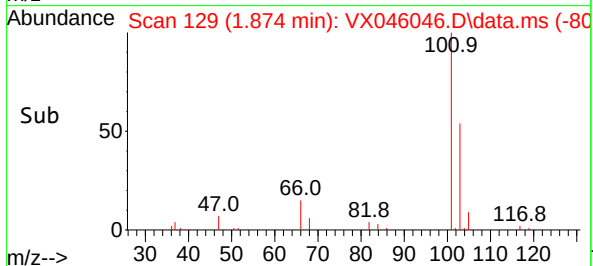
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



Tgt Ion:101 Resp: 959
Ion Ratio Lower Upper
101 100
103 54.0 51.0 76.4

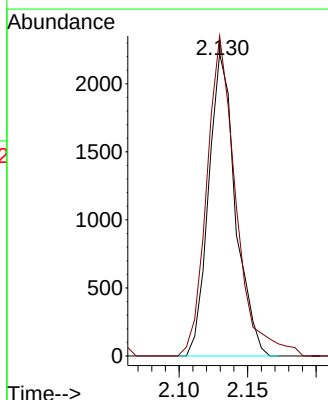
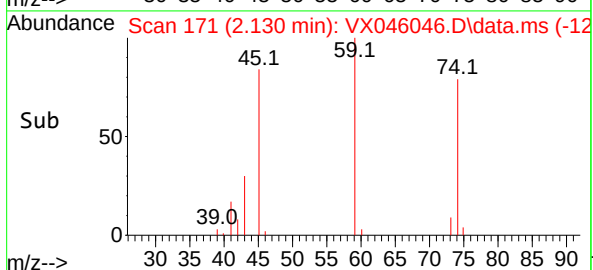
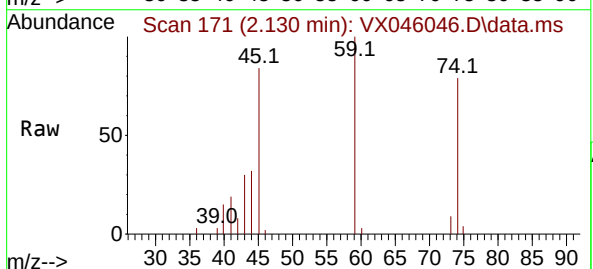
Manual Integrations
APPROVED

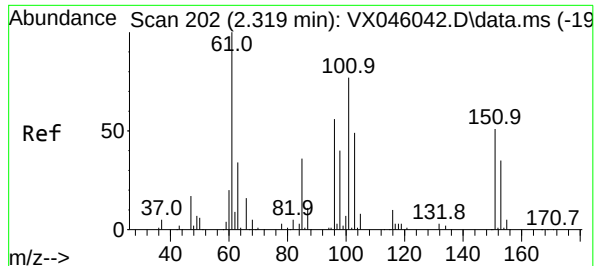
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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





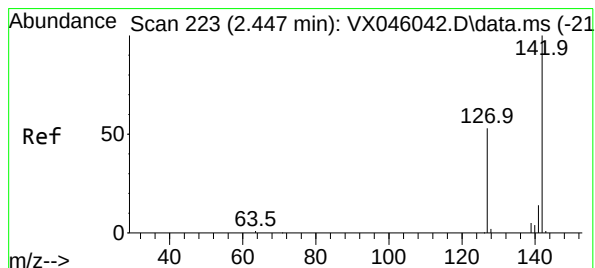
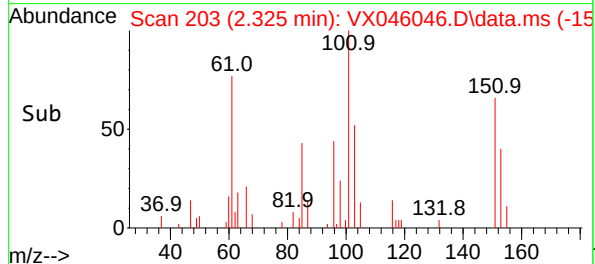
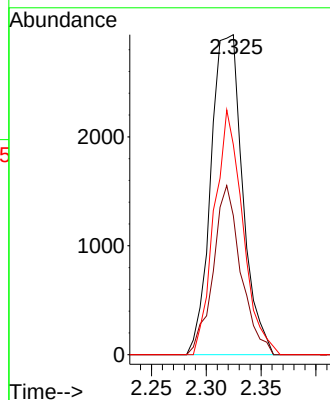
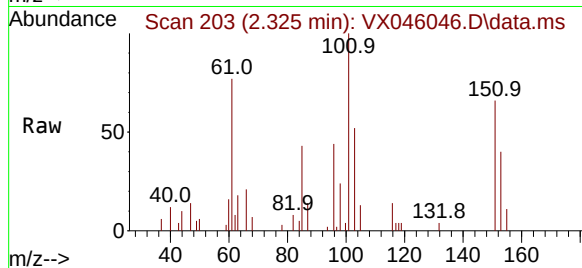
#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.517 ug/l
RT: 2.325 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

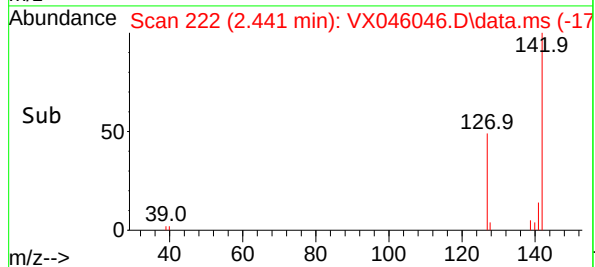
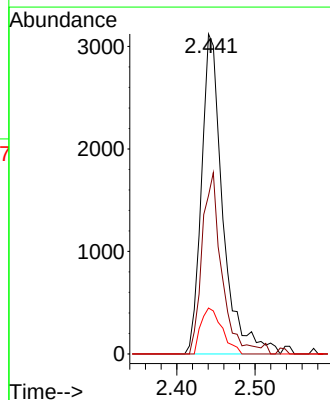
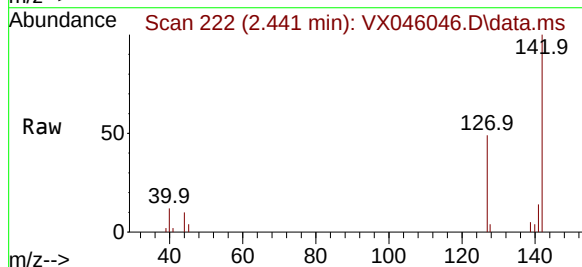
Manual Integrations
APPROVED

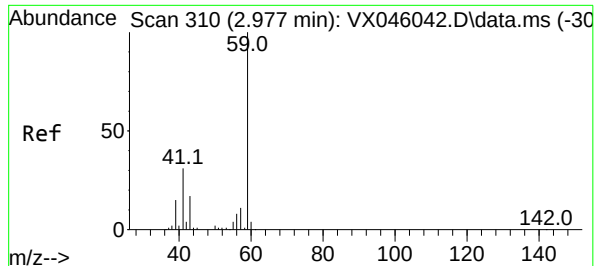
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

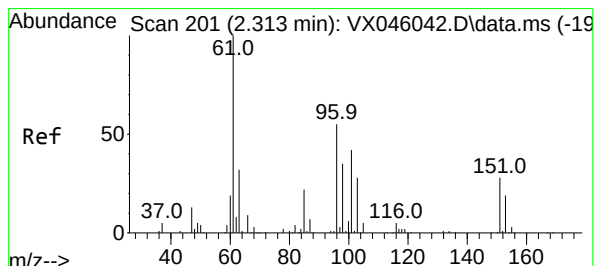
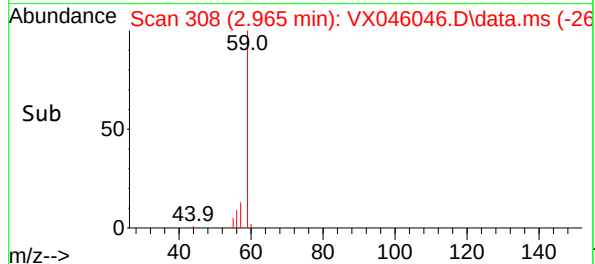
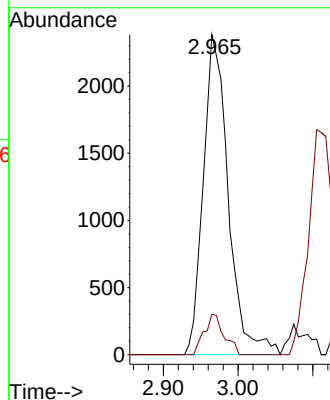
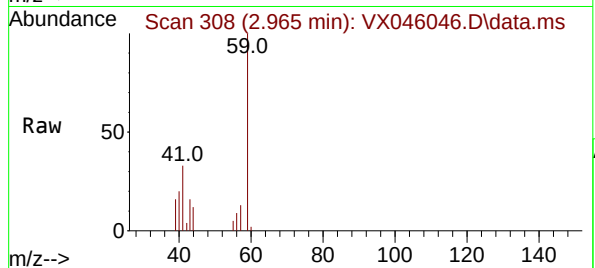
57 10.0 8.6 12.8

Manual Integrations

APPROVED

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

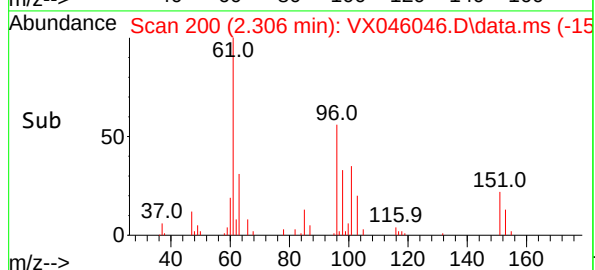
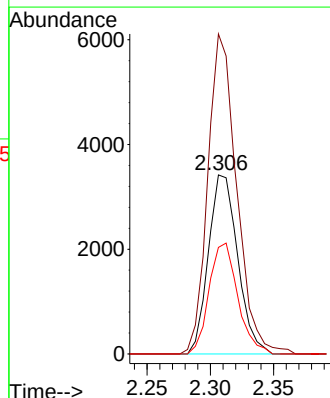
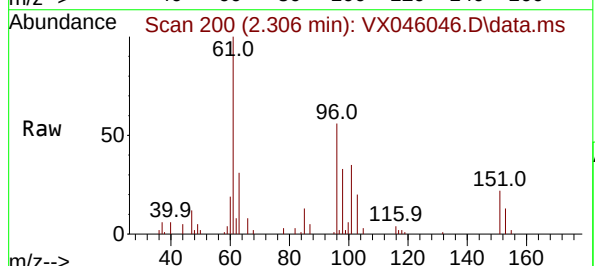
Tgt Ion: 96 Resp: 5496

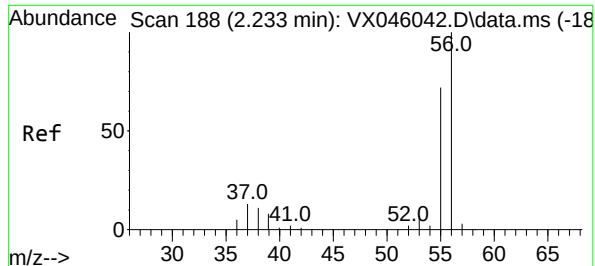
Ion Ratio Lower Upper

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

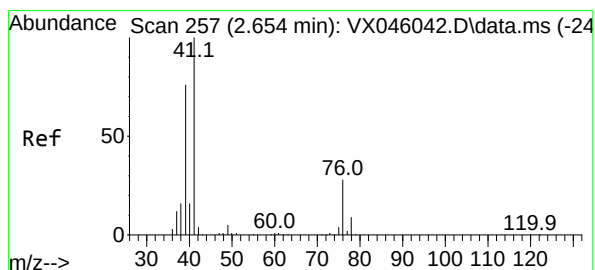
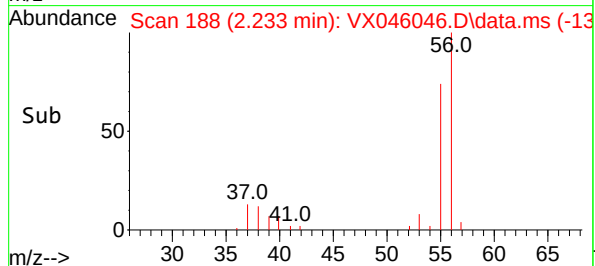
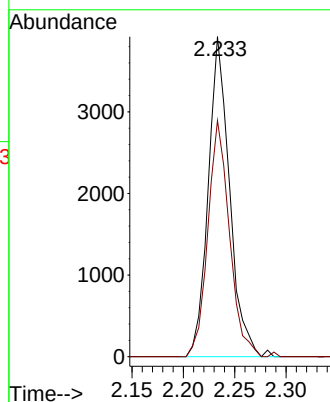
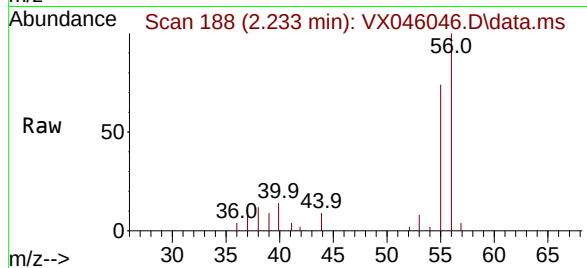
55 74.5 56.2 84.4

Manual Integrations

APPROVED

Reviewed By :John Carbone 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

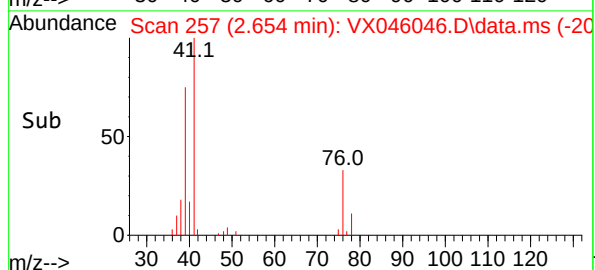
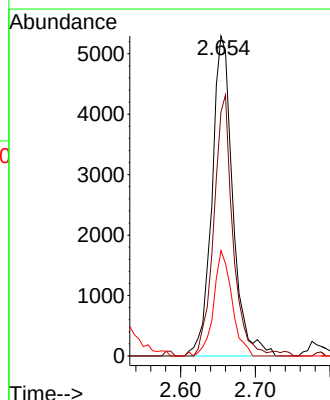
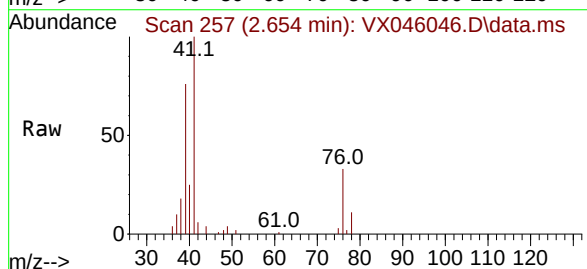
Tgt Ion: 41 Resp: 10262

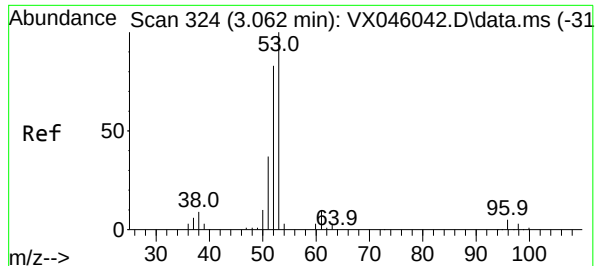
Ion Ratio Lower Upper

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

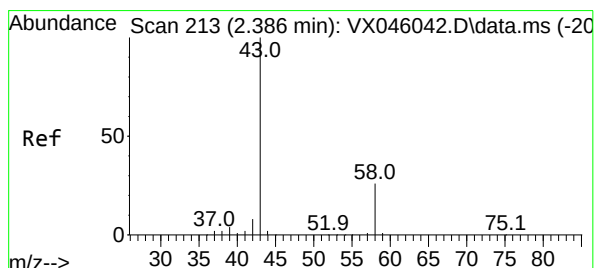
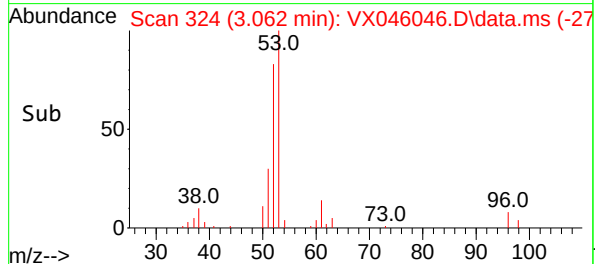
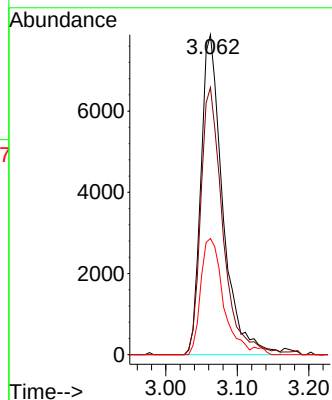
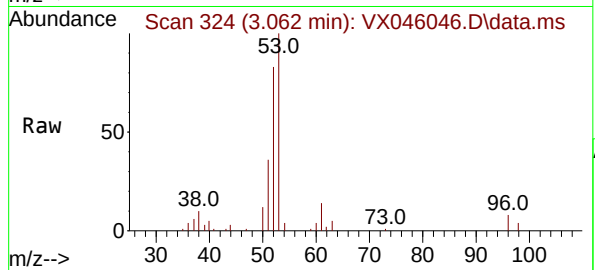
Tgt Ion:	53	Resp:	16740
Ion	Ratio	Lower	Upper
53	100		
52	84.3	65.3	97.9
51	38.5	29.8	44.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#16

Acetone

Concen: 20.036 ug/l

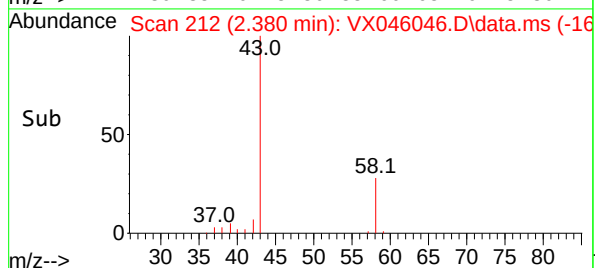
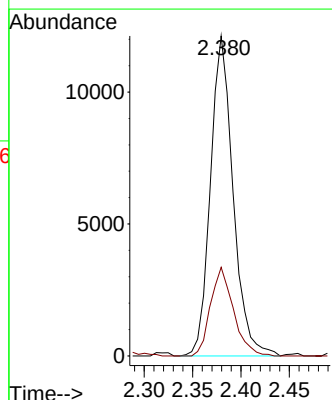
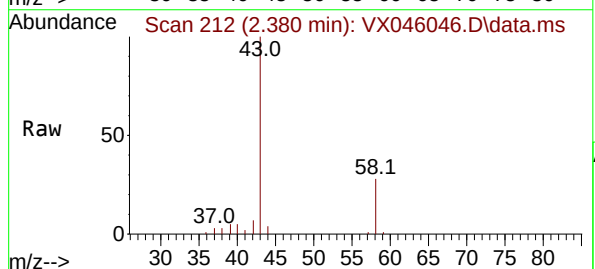
RT: 2.380 min Scan# 212

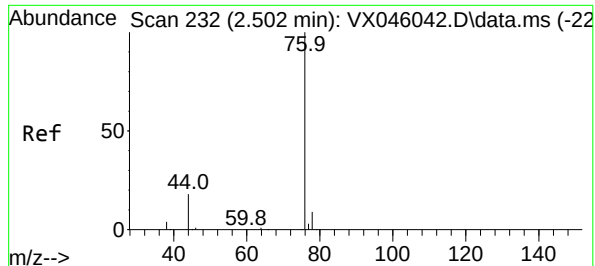
Delta R.T. -0.006 min

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# 21

Delta R.T. -0.000 min

Lab File: VX046046.D

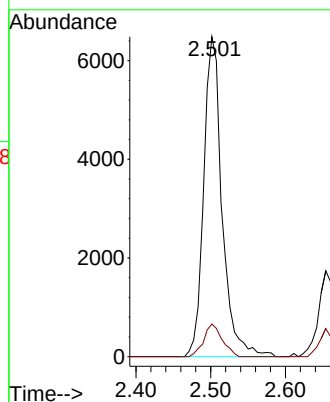
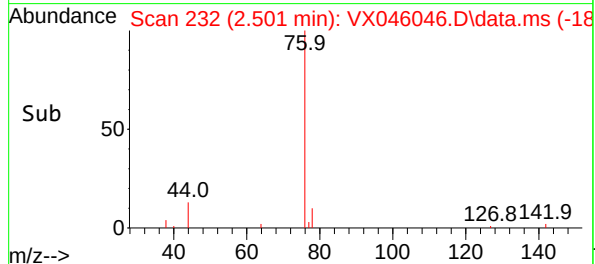
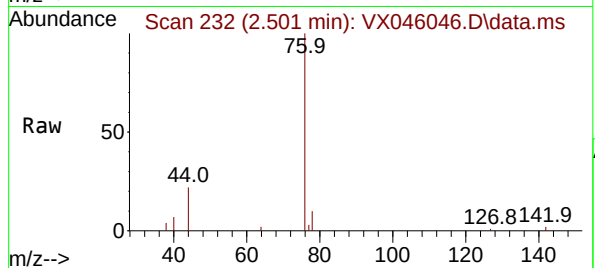
Acq: 05 May 2025 16:04

Tgt Ion: 76 Resp: 11068

Ion Ratio Lower Upper

76 100

78 10.2 7.0 10.4



Instrument :

MSVOA_X

ClientSampleId :

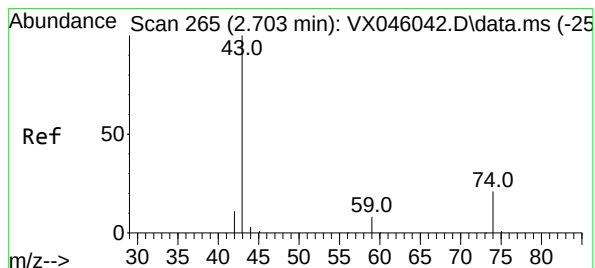
VSTDIC005

Manual Integrations

APPROVED

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

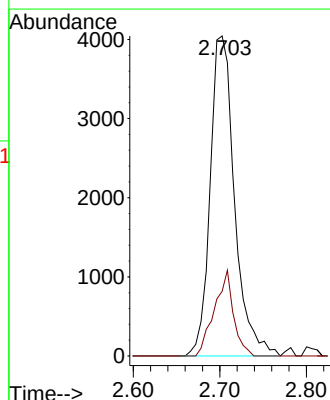
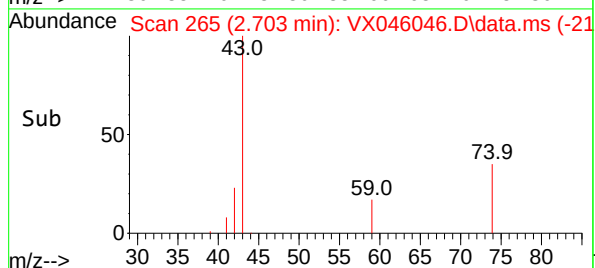
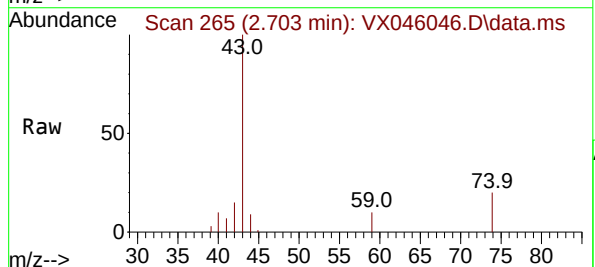
Acq: 05 May 2025 16:04

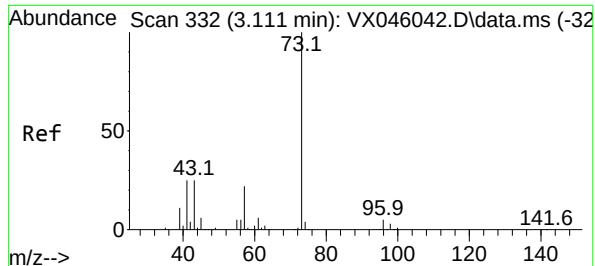
Tgt Ion: 43 Resp: 7909

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# 31

Delta R.T. -0.000 min

Lab File: VX046046.D

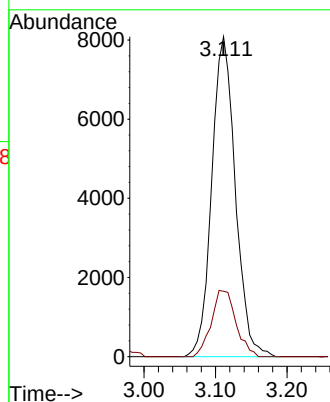
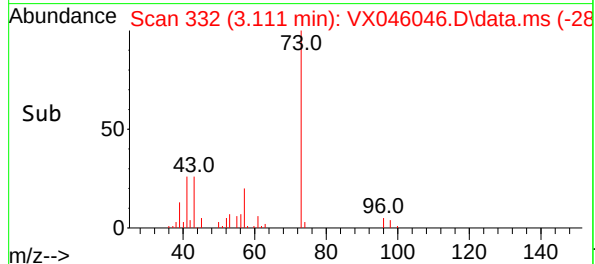
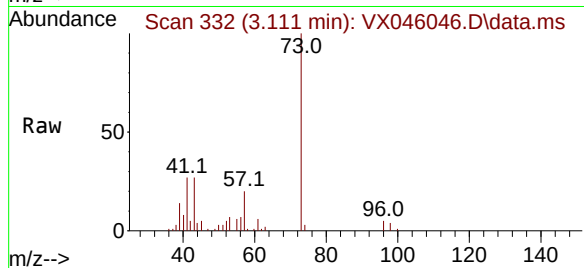
Acq: 05 May 2025 16:04

Tgt Ion: 73 Resp: 1849

Ion Ratio Lower Upper

73 100

57 20.5 17.7 26.5



Instrument :

MSVOA_X

ClientSampleId :

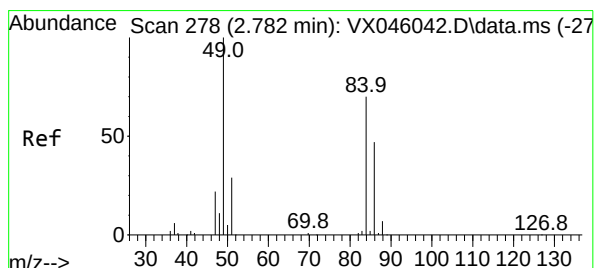
VSTDIC005

Manual Integrations

APPROVED

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

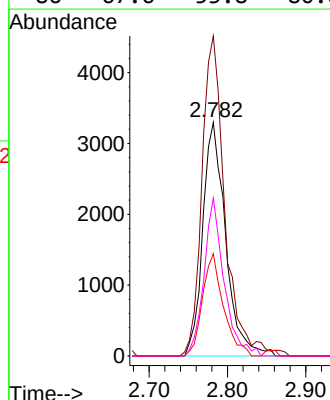
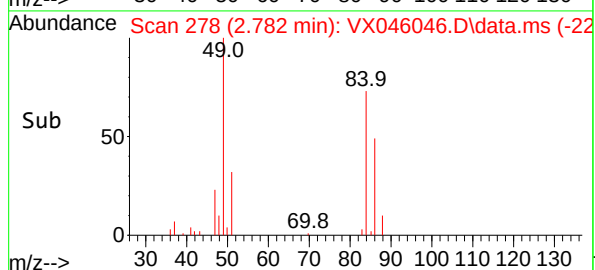
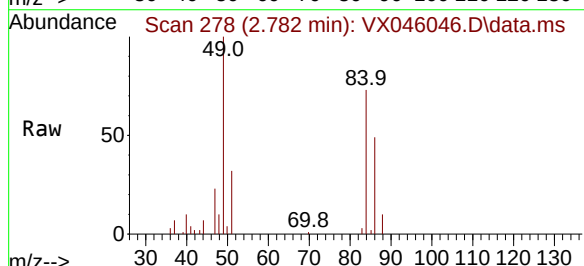
Ion Ratio Lower Upper

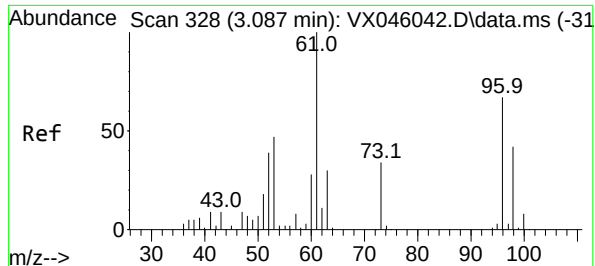
84 100

49 137.0 113.9 170.9

51 43.8 33.5 50.3

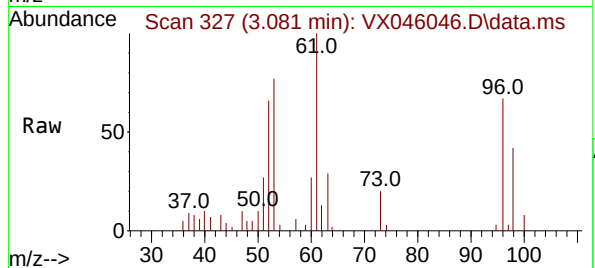
86 67.6 53.8 80.8





#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

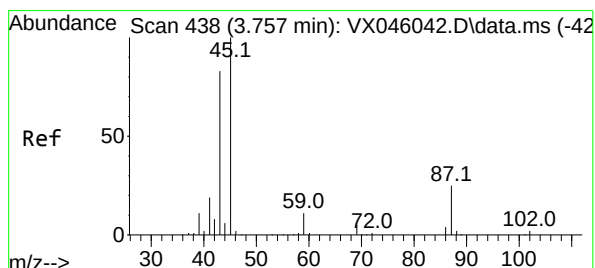
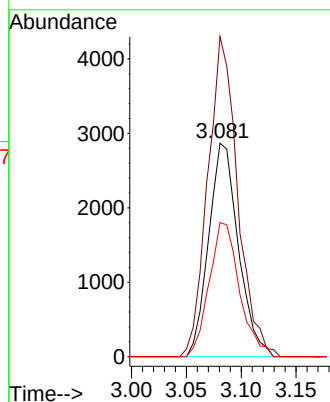
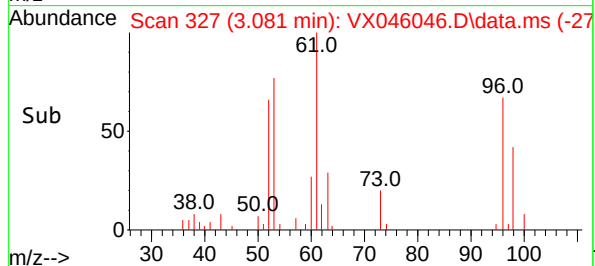
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



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

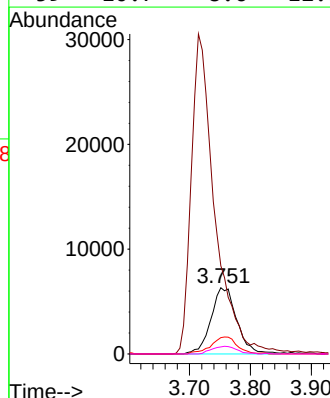
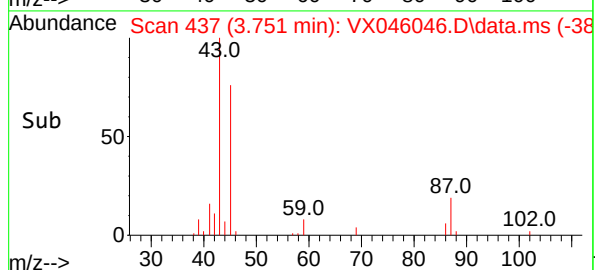
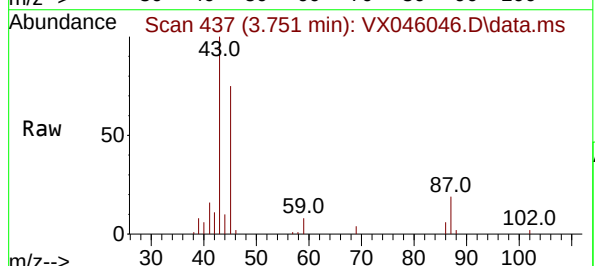
Manual Integrations
APPROVED

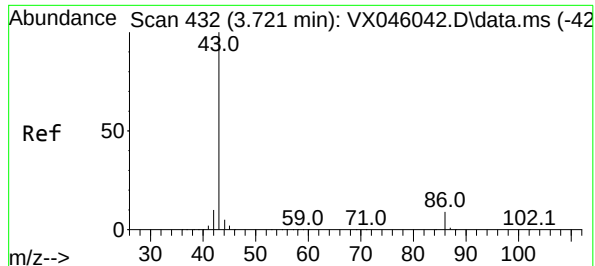
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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# 41

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

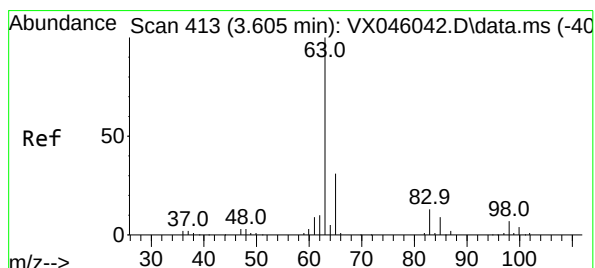
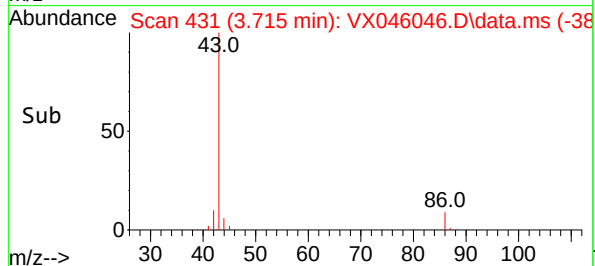
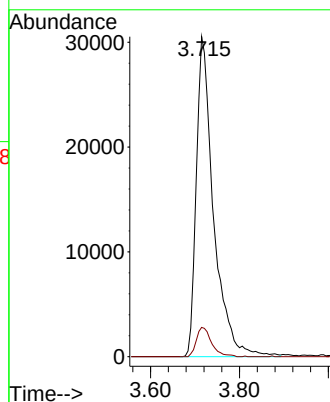
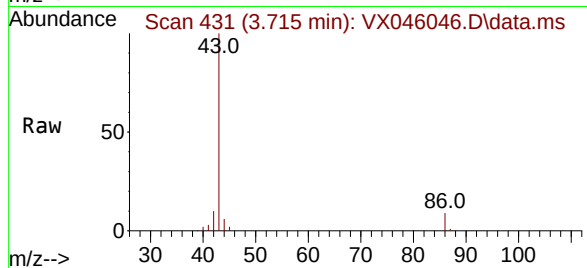
11.3

Manual Integrations

APPROVED

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

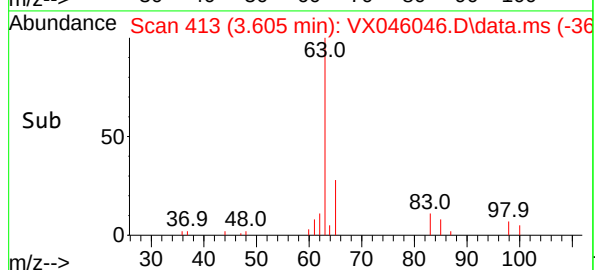
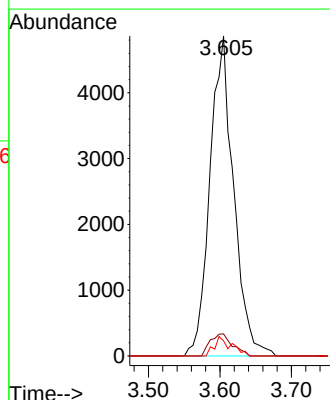
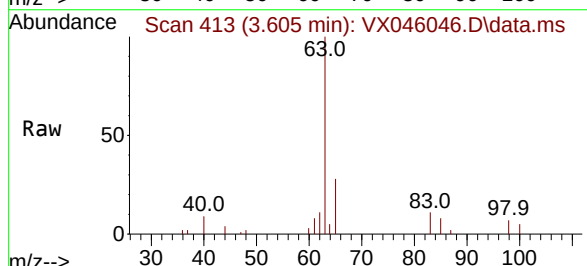
10.8

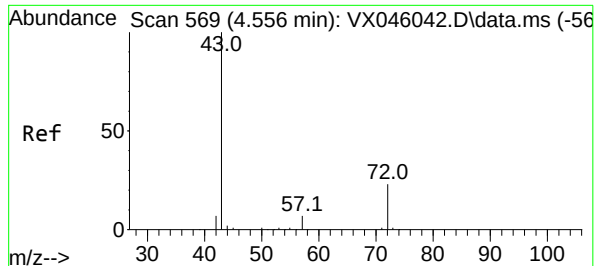
100

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

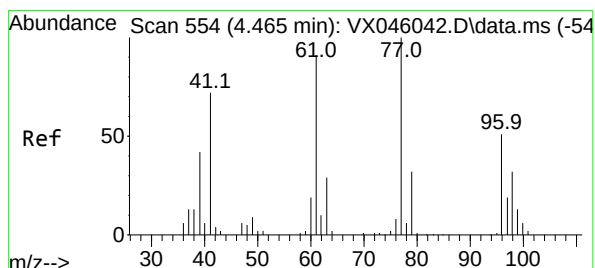
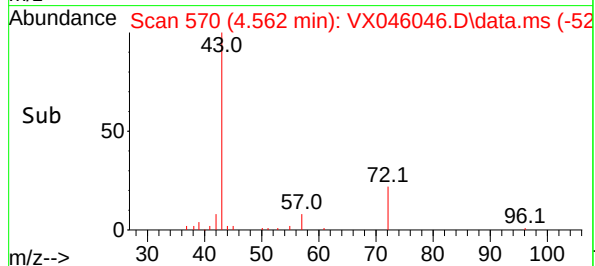
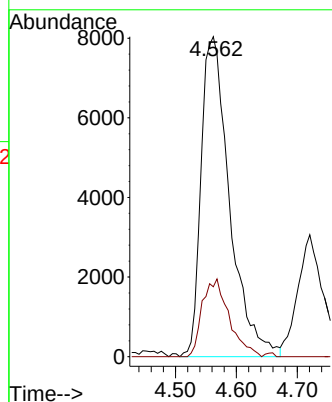
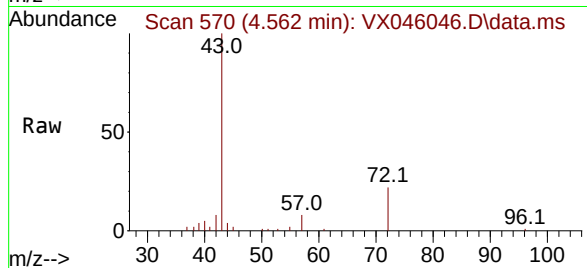
72 21.8 18.4 27.6

Manual Integrations

APPROVED

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

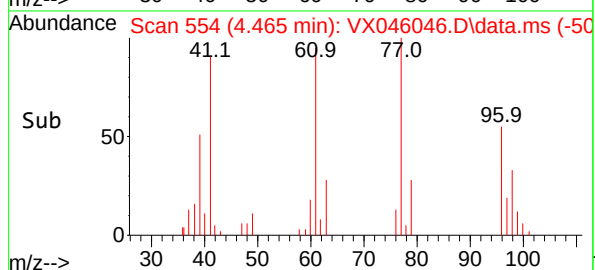
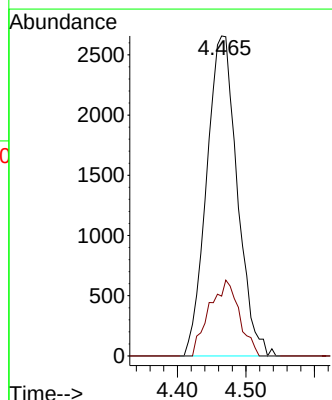
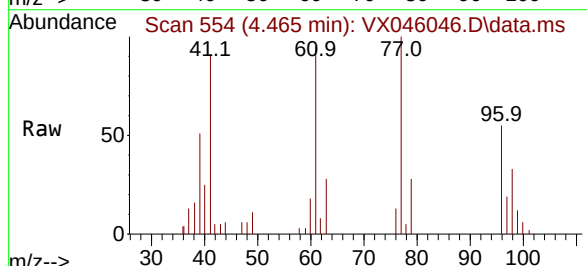
Acq: 05 May 2025 16:04

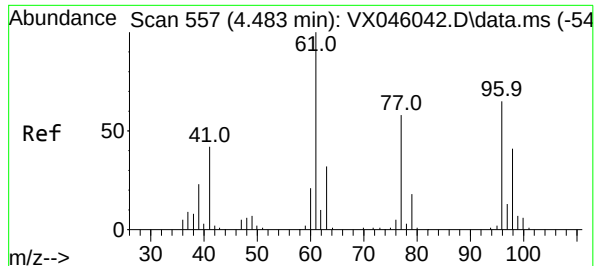
Tgt Ion: 77 Resp: 8245

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# 51

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

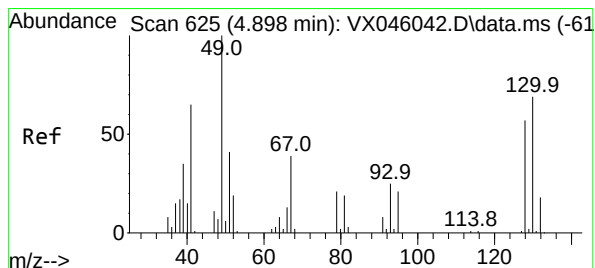
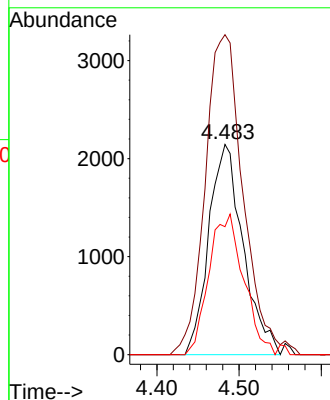
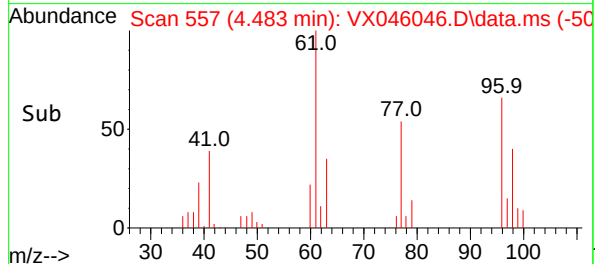
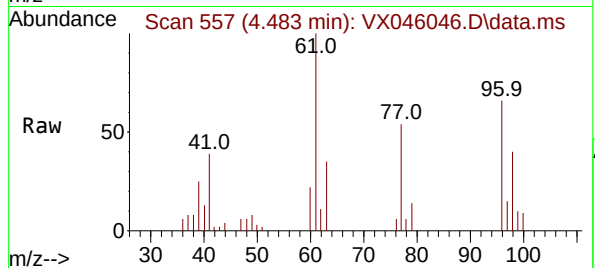
98 67.6 0.0 129.0

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

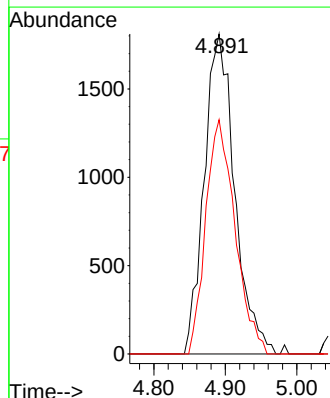
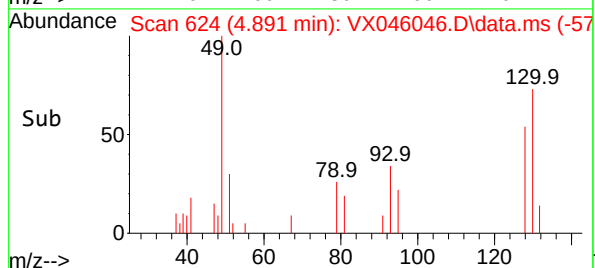
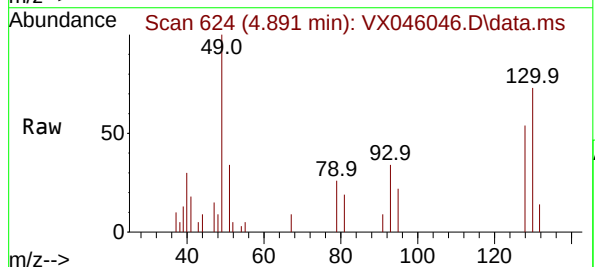
Tgt Ion: 49 Resp: 5360

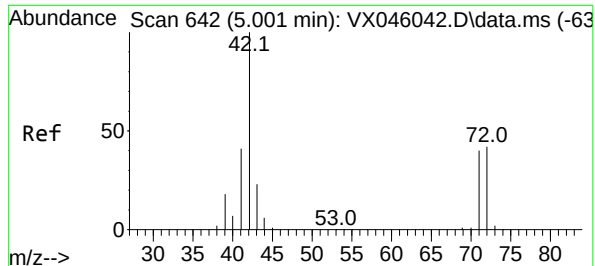
Ion Ratio Lower Upper

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

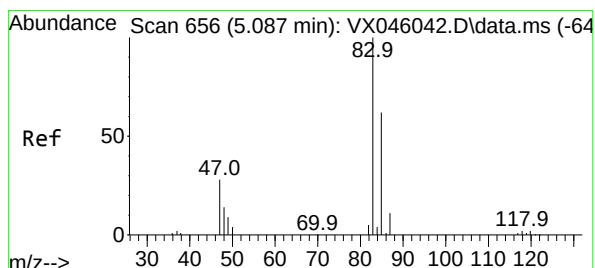
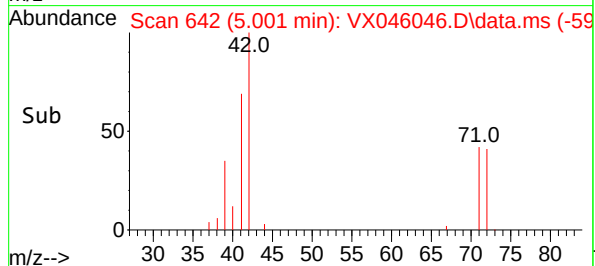
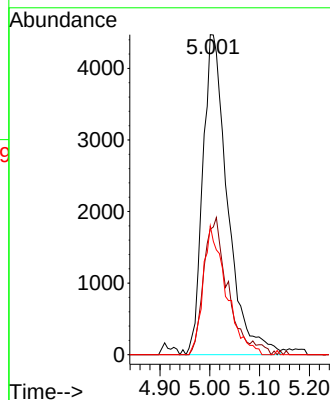
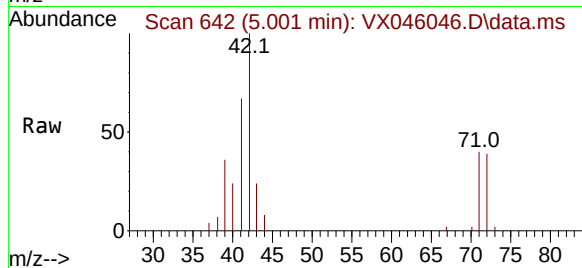
71 37.4 31.4 47.2

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

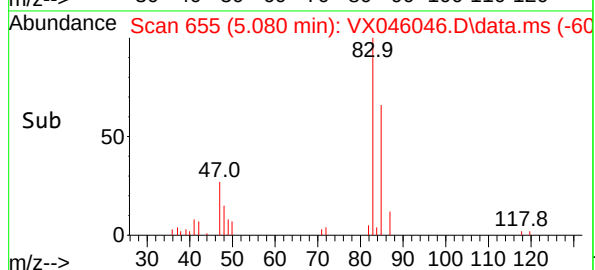
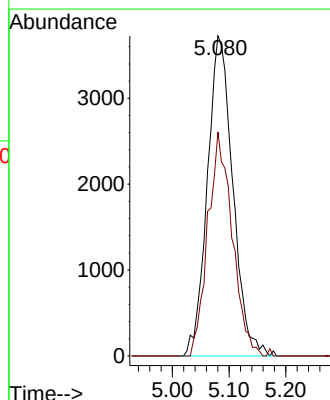
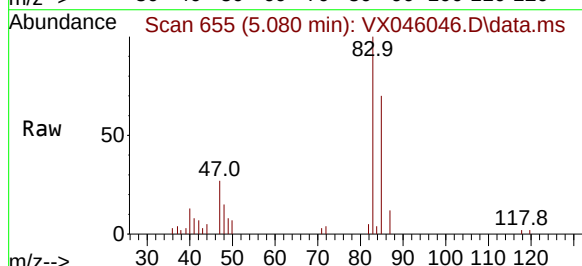
Acq: 05 May 2025 16:04

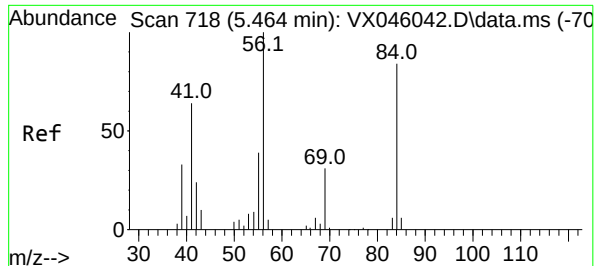
Tgt Ion: 83 Resp: 11624

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

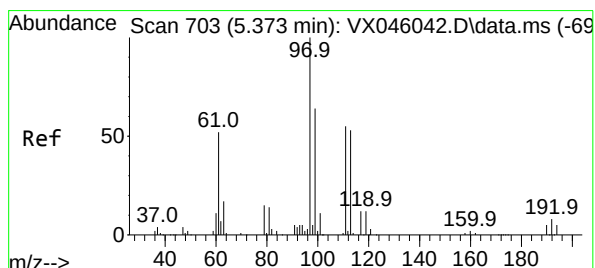
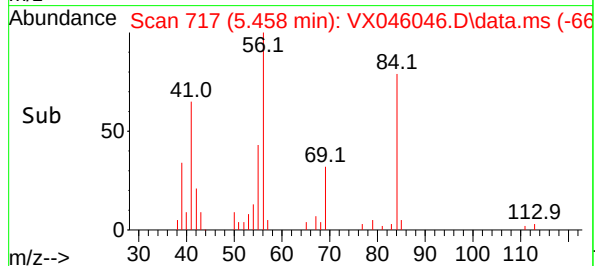
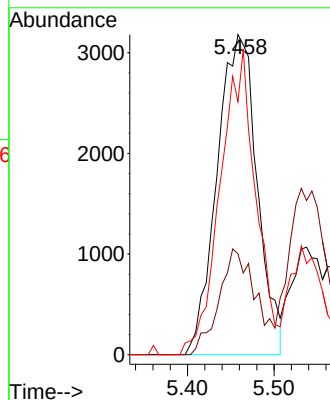
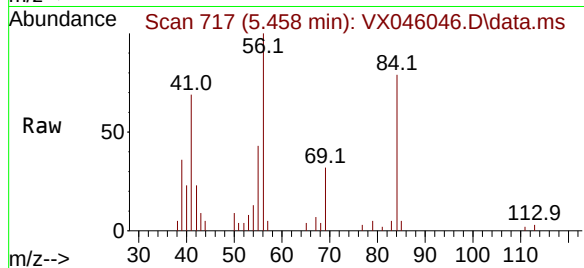
84 79.1 66.9 100.3

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

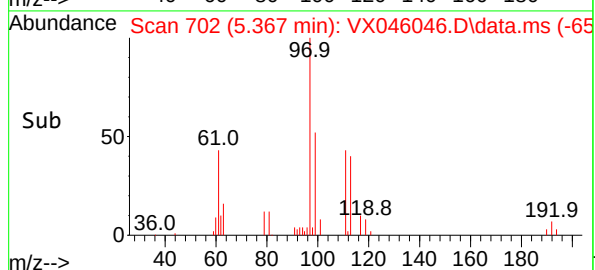
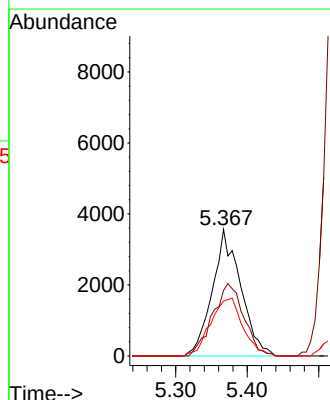
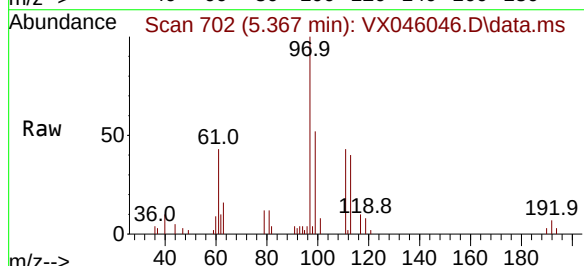
Tgt Ion: 97 Resp: 9827

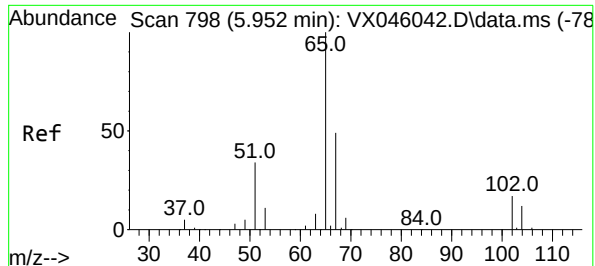
Ion Ratio Lower Upper

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

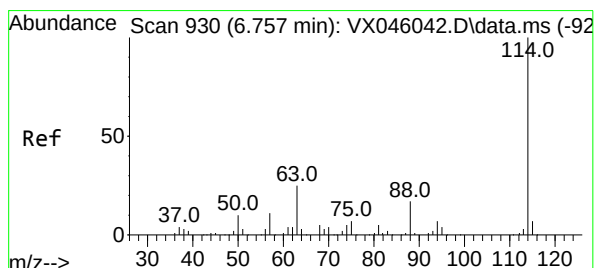
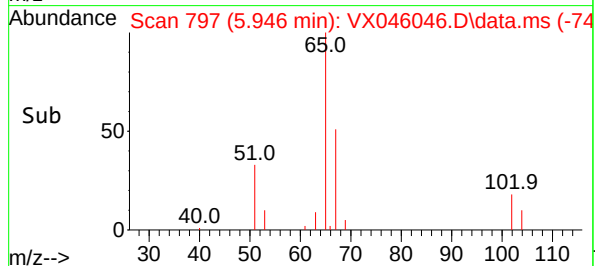
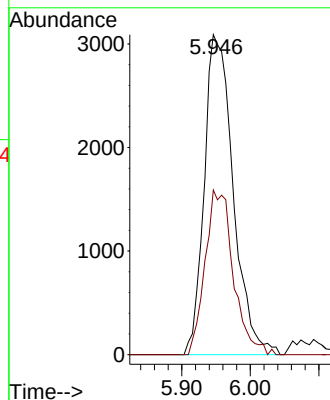
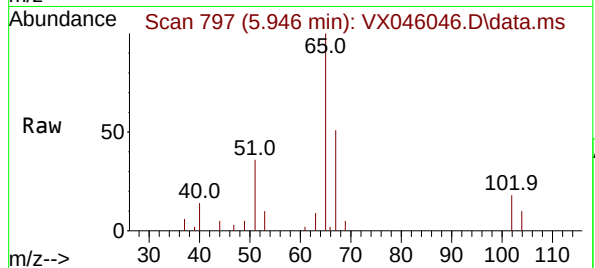
67 50.1 0.0 99.0

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

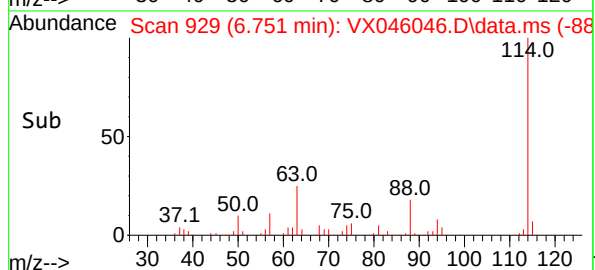
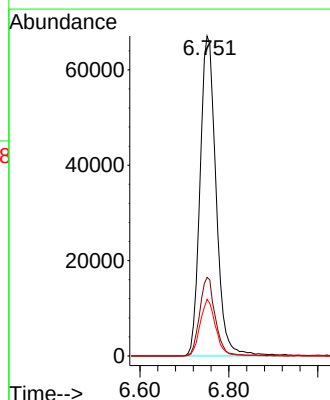
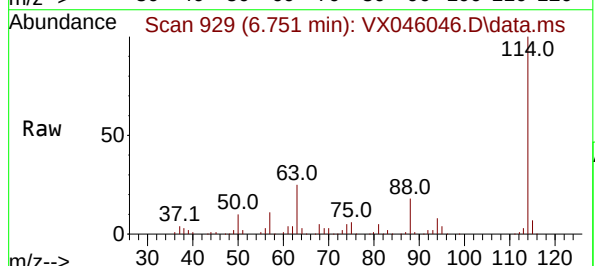
Tgt Ion:114 Resp: 168484

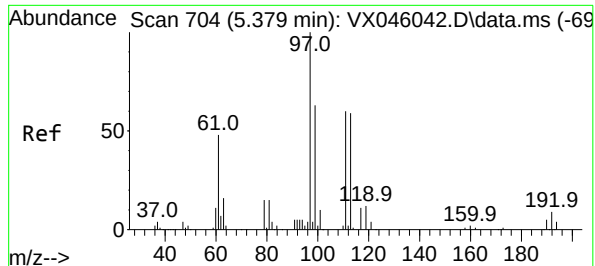
Ion Ratio Lower Upper

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

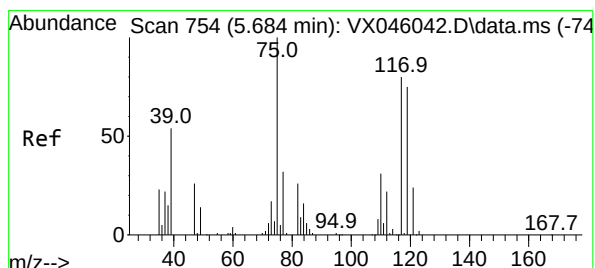
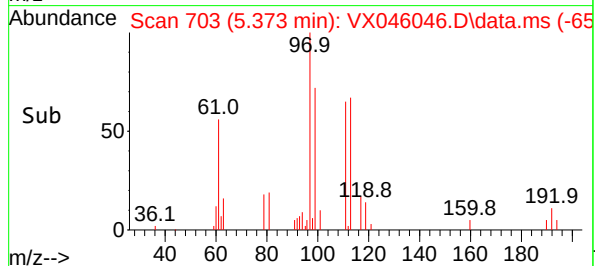
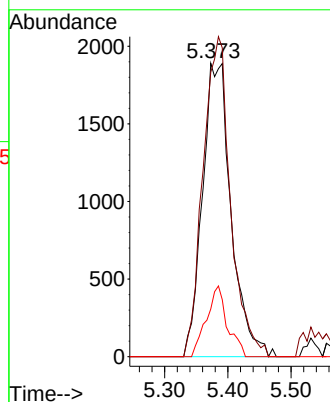
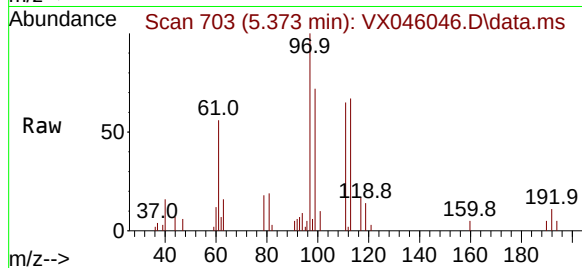
Tgt Ion:	113	Resp:	596
Ion	Ratio	Lower	Upper
113	100		
111	104.4	83.1	124.7
192	17.5	13.3	19.9

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

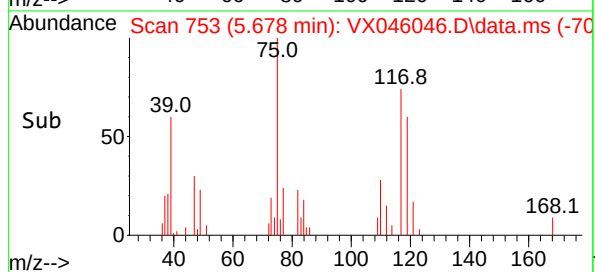
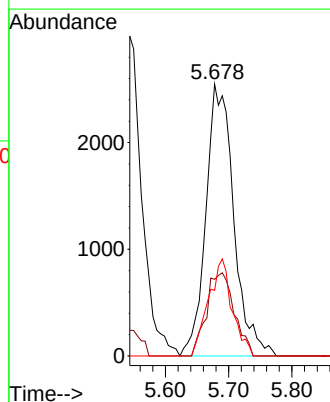
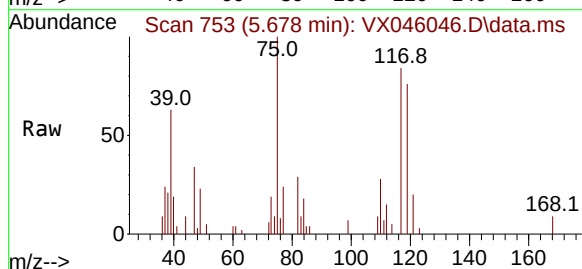
RT: 5.678 min Scan# 753

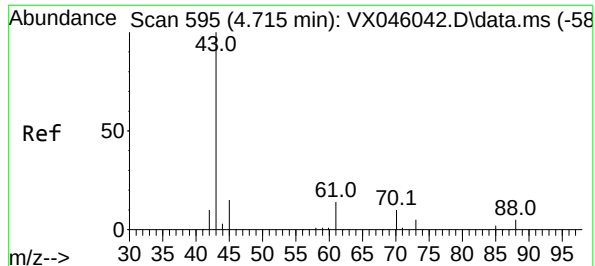
Delta R.T. -0.006 min

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 :

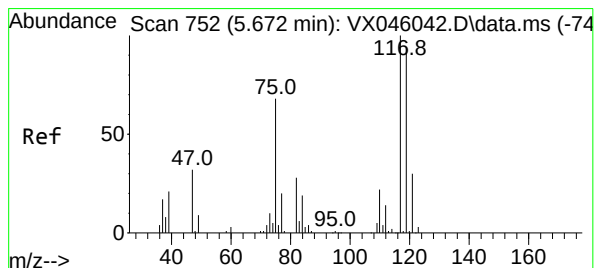
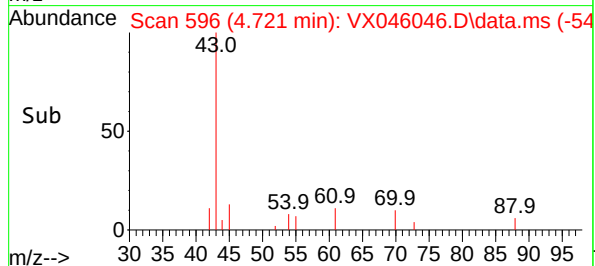
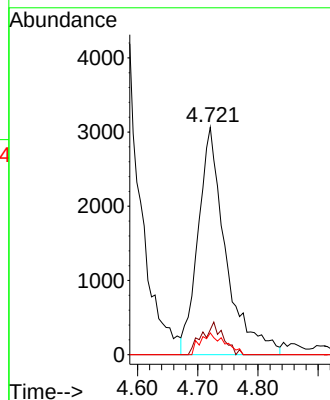
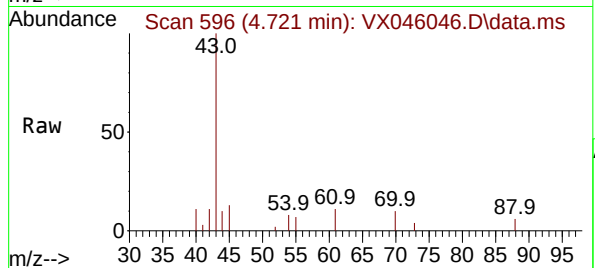
VSTDIC005

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

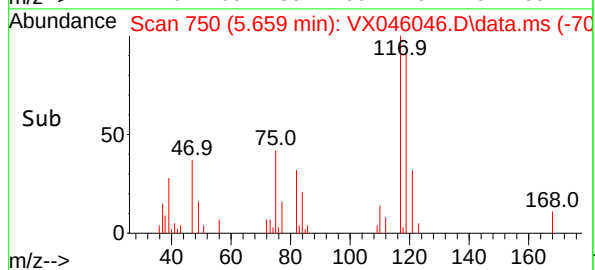
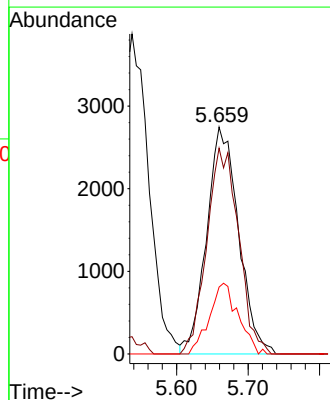
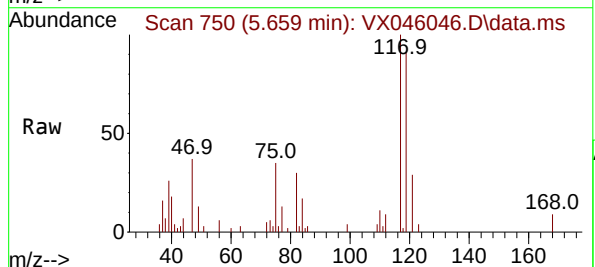
RT: 5.659 min Scan# 750

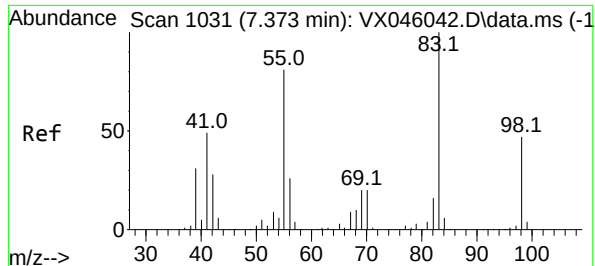
Delta R.T. -0.012 min

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 :

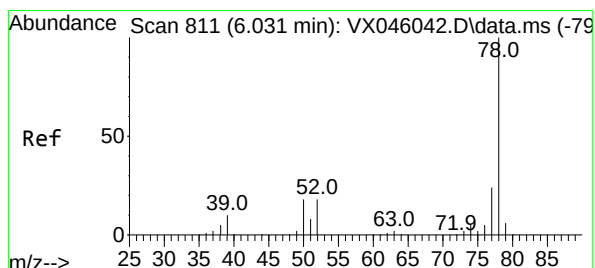
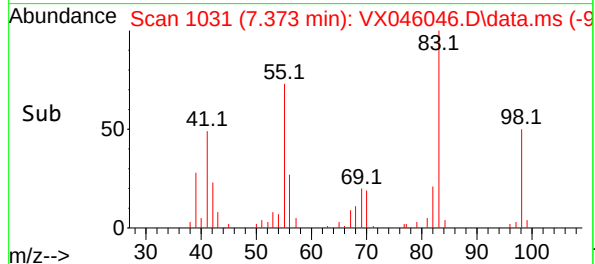
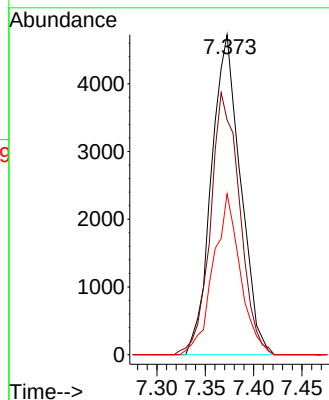
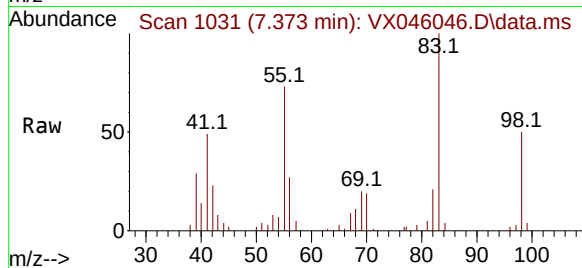
VSTDICC005

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

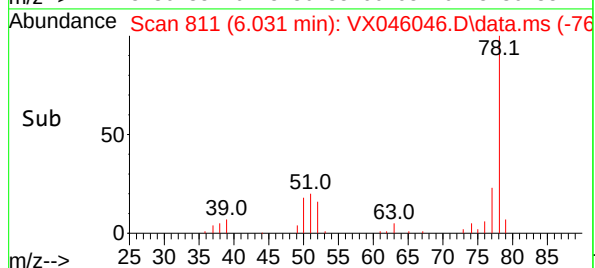
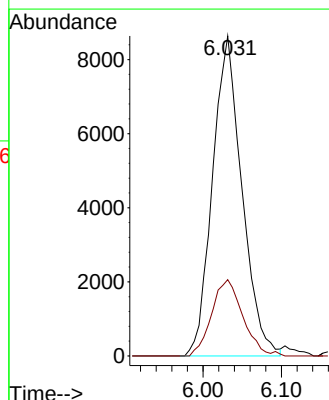
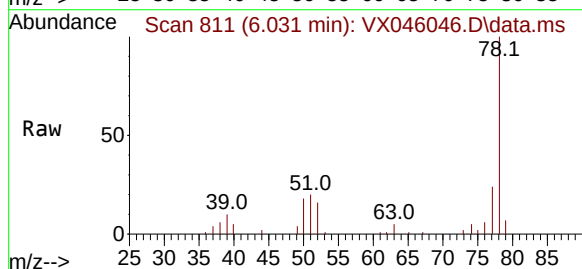
RT: 6.031 min Scan# 811

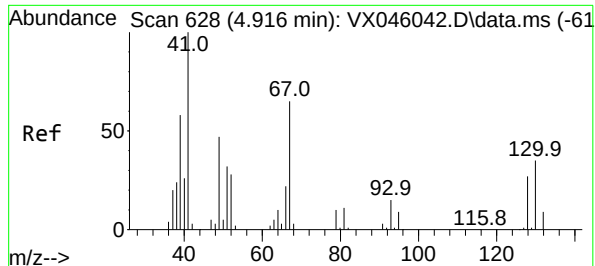
Delta R.T. -0.000 min

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

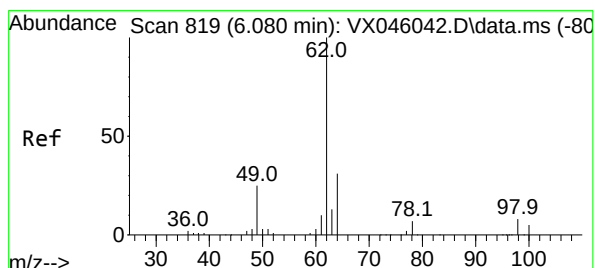
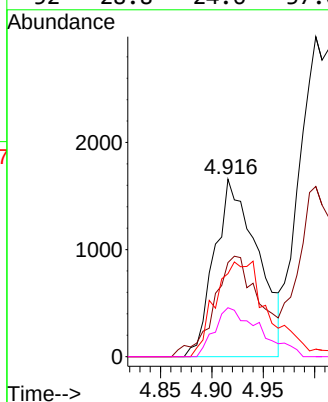
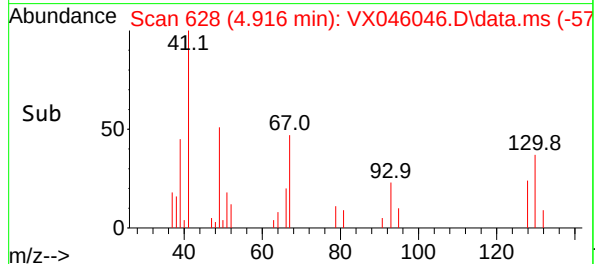
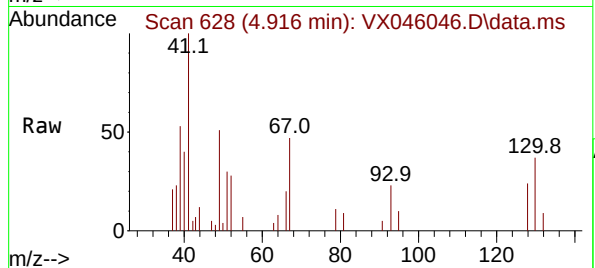
52 28.8 24.6 37.0

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

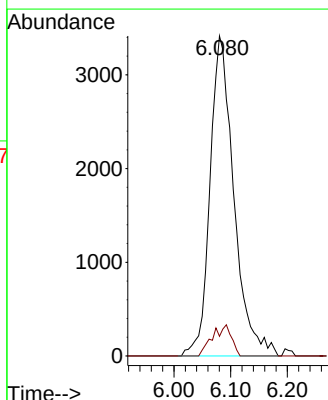
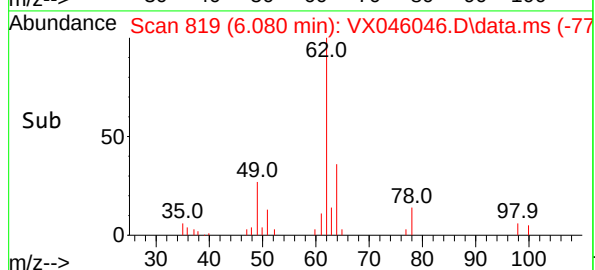
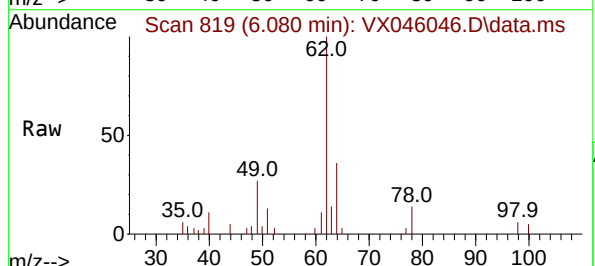
Acq: 05 May 2025 16:04

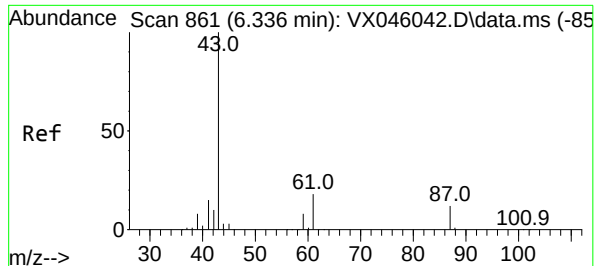
Tgt Ion: 62 Resp: 10011

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# 80

Delta R.T. 0.012 min

Lab File: VX046046.D

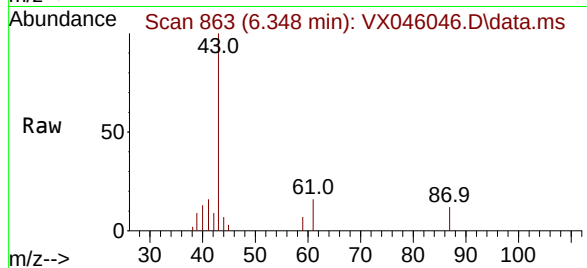
Acq: 05 May 2025 16:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005



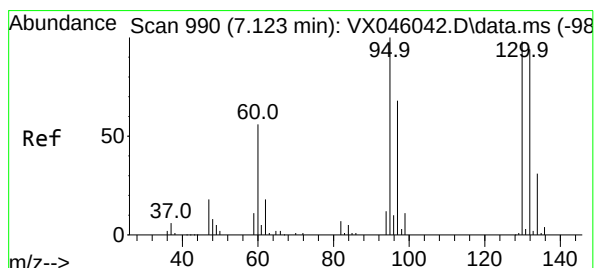
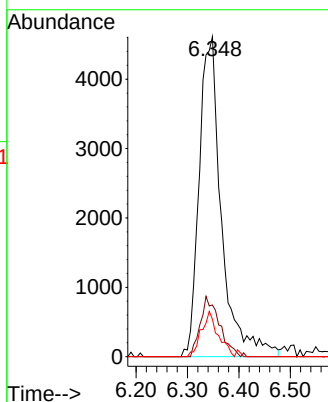
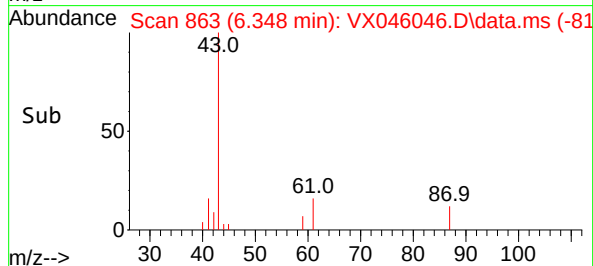
Tgt Ion:	43	Resp:	13914
Ion Ratio	100	Lower	Upper
61	16.2	14.3	21.5
87	10.6	9.5	14.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#44

Trichloroethene

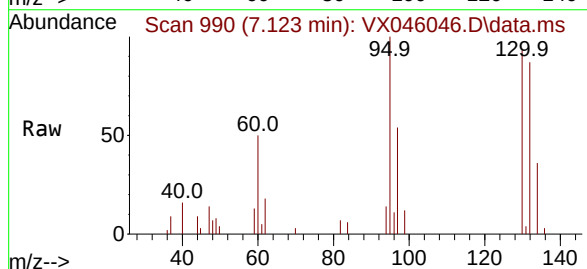
Concen: 3.307 ug/l

RT: 7.123 min Scan# 990

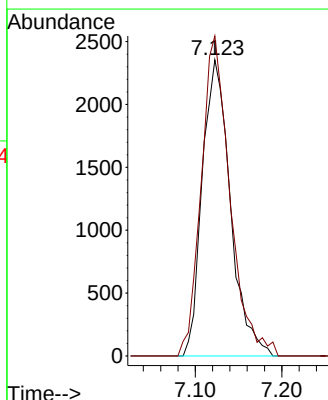
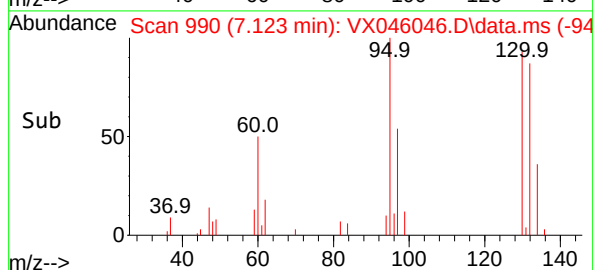
Delta R.T. -0.000 min

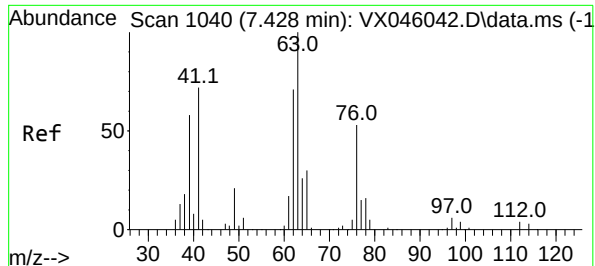
Lab File: VX046046.D

Acq: 05 May 2025 16:04



Tgt Ion:	130	Resp:	5313
Ion Ratio	100	Lower	Upper
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

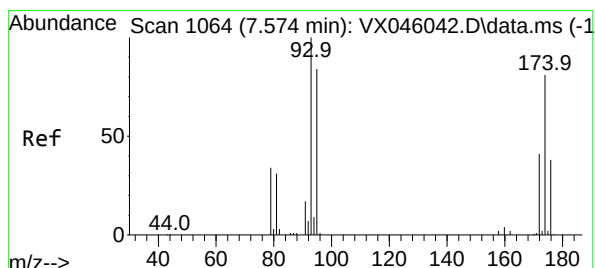
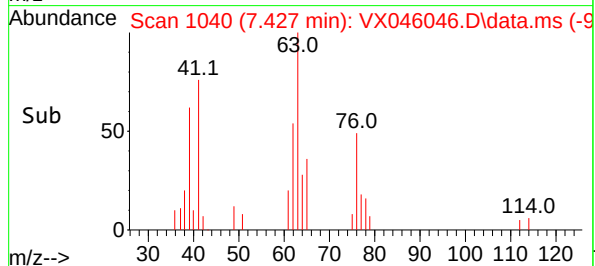
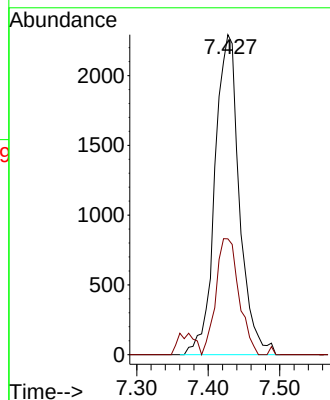
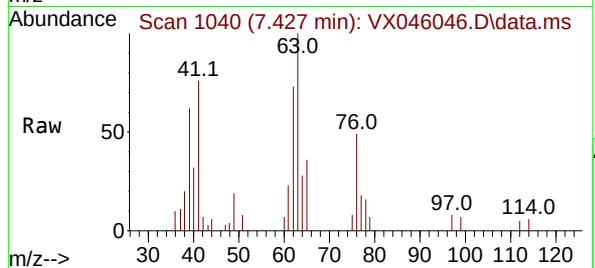
65 36.2 24.1 36.1

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

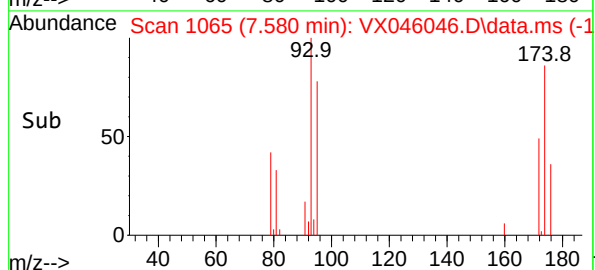
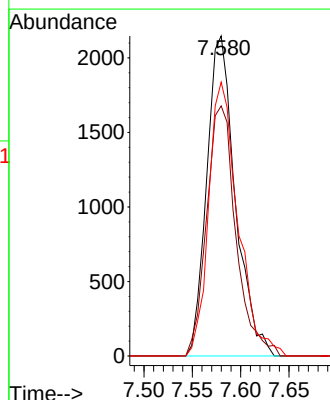
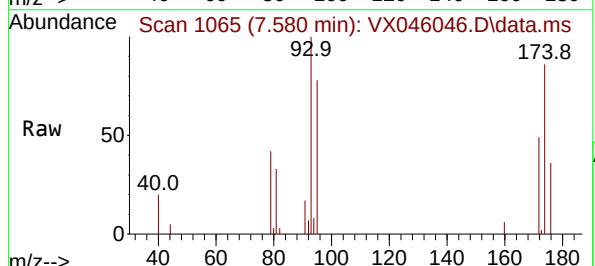
Tgt Ion: 93 Resp: 4417

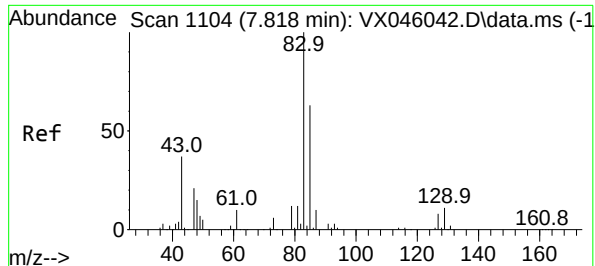
Ion Ratio Lower Upper

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

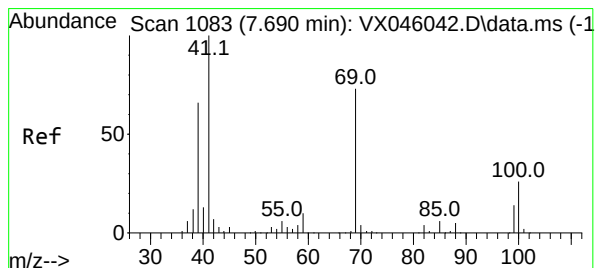
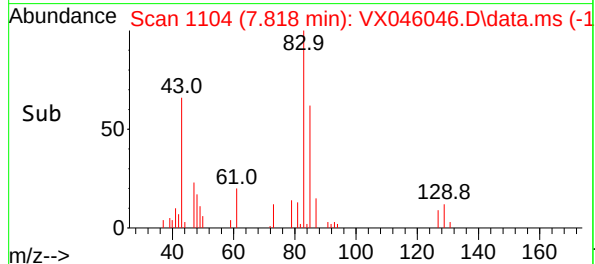
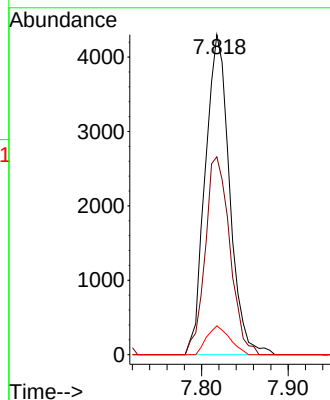
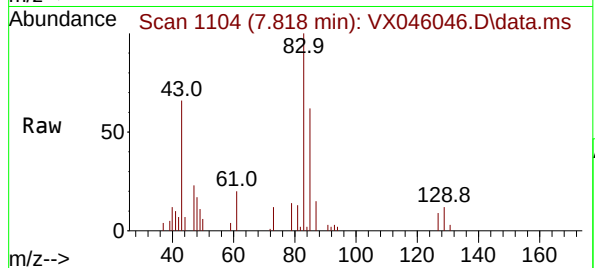
Tgt Ion:	83	Resp:	8394
Ion	Ratio	Lower	Upper
83	100		
85	61.9	50.5	75.7
127	9.0	6.5	9.7

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

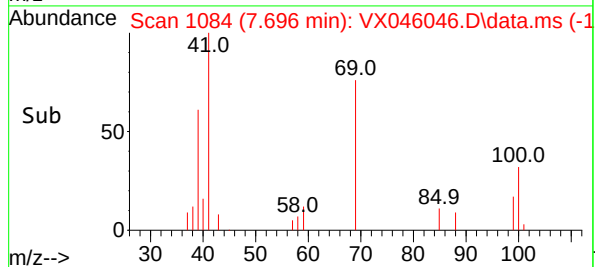
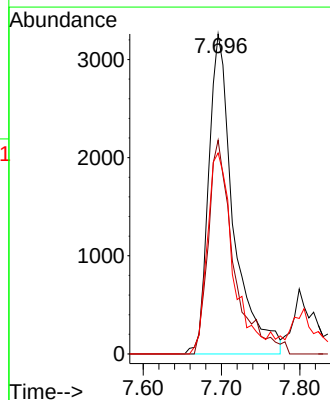
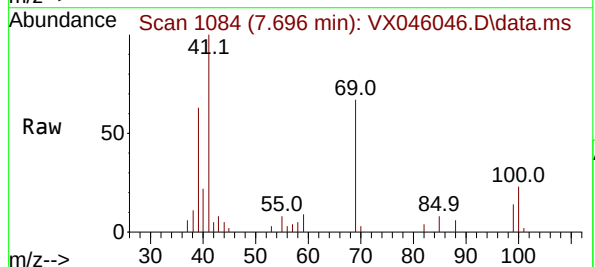
RT: 7.696 min Scan# 1084

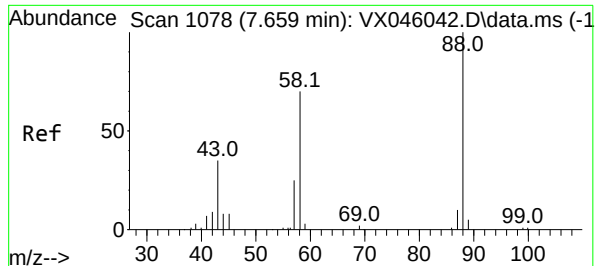
Delta R.T. 0.006 min

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

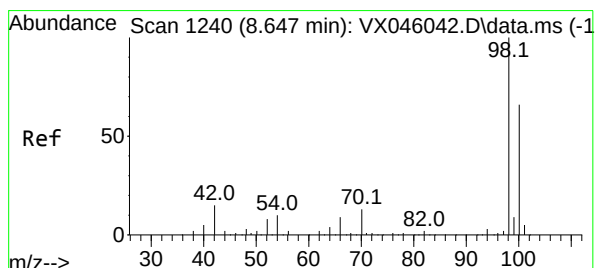
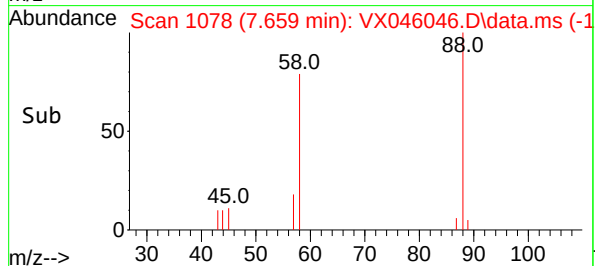
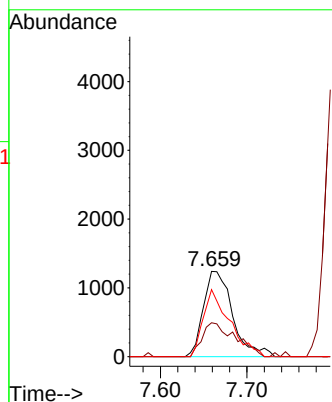
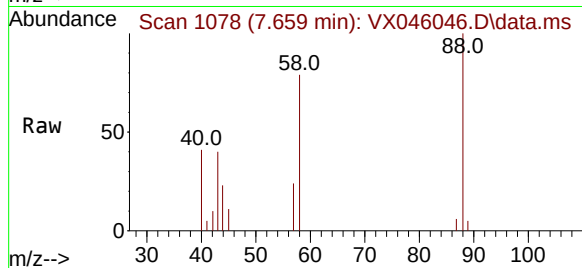
Tgt Ion:	88	Resp:	290
Ion	Ratio	Lower	Upper
88	100		
43	45.3	33.4	50.2
58	71.0	58.6	88.0

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

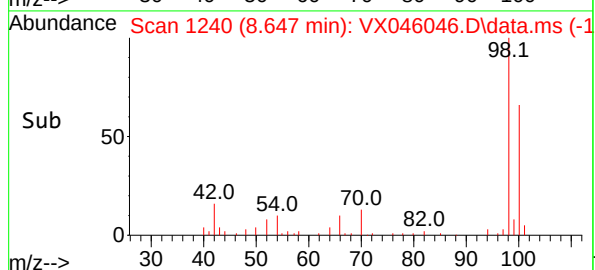
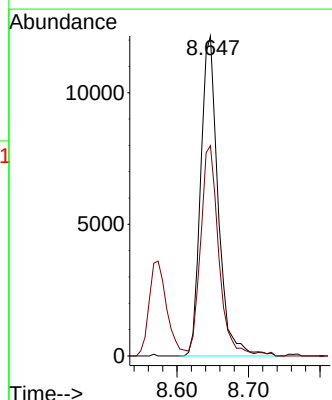
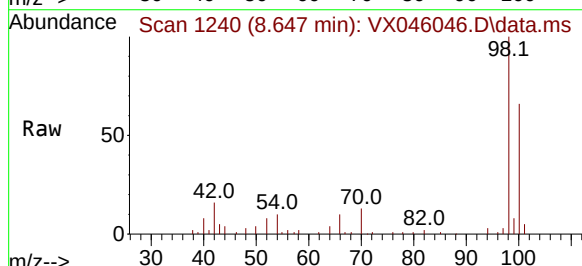
RT: 8.647 min Scan# 1240

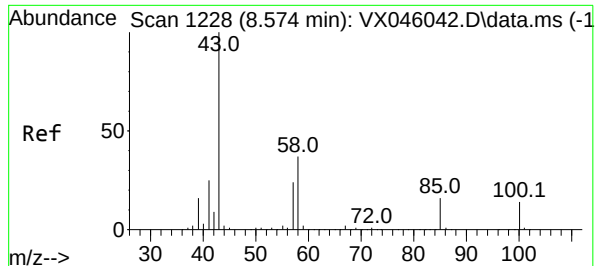
Delta R.T. -0.000 min

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





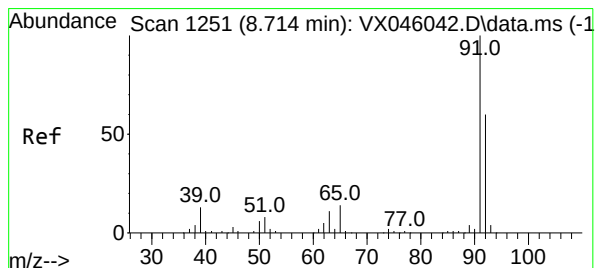
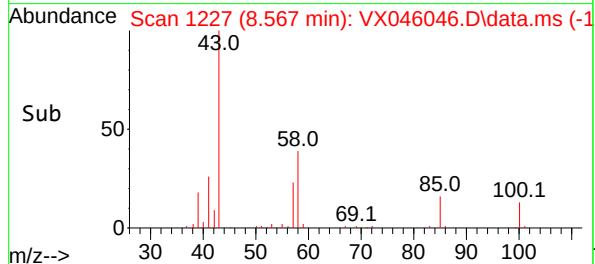
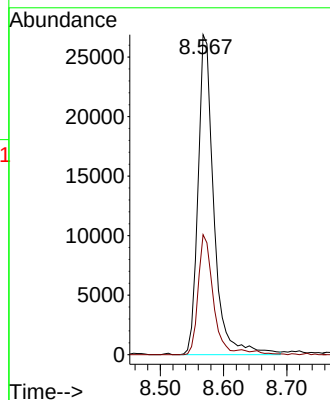
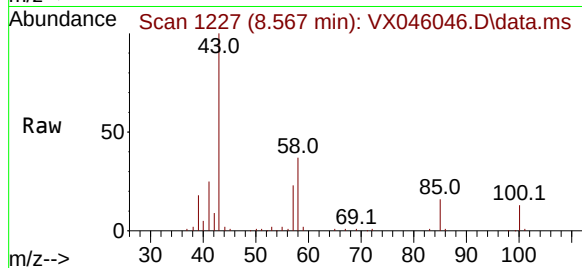
#51
4-Methyl-2-Pentanone
Concen: 16.967 ug/l
RT: 8.567 min Scan# 1227
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 46794
Ion Ratio Lower Upper
43 100
58 34.8 28.9 43.3

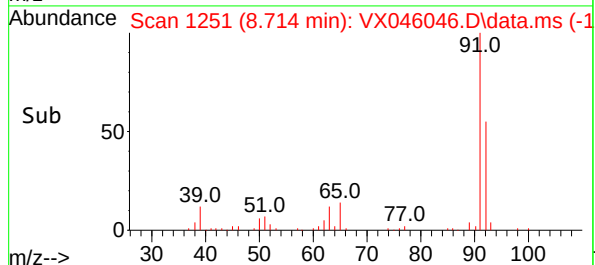
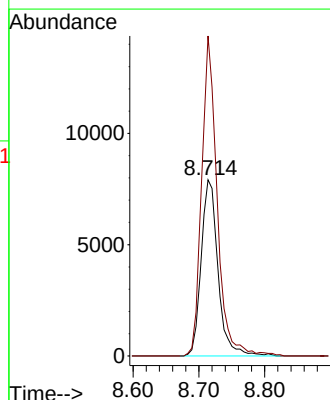
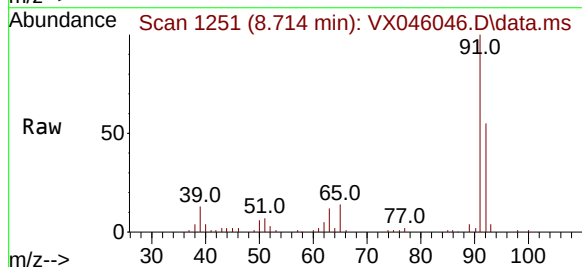
Manual Integrations
APPROVED

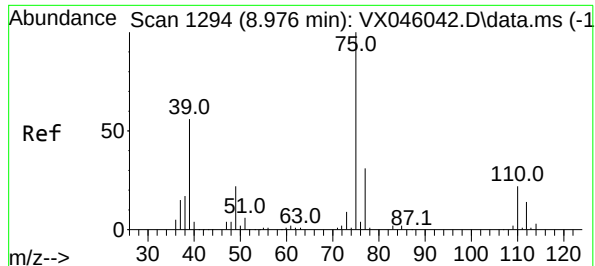
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

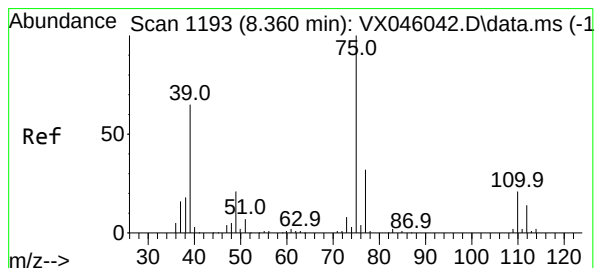
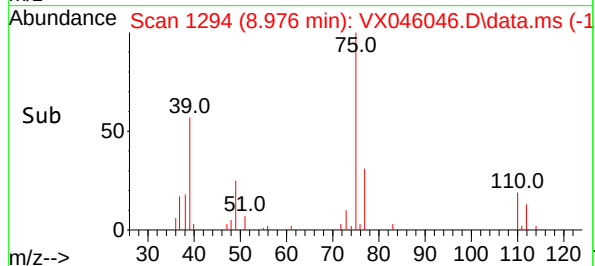
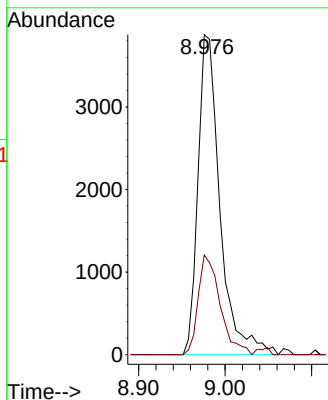
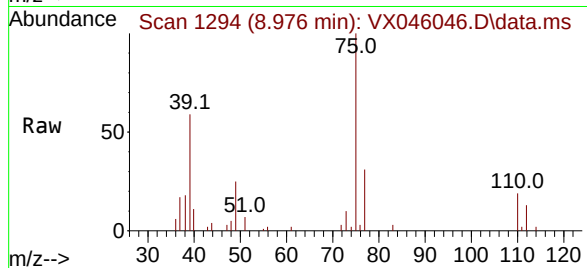
77 31.1 25.0 37.6

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

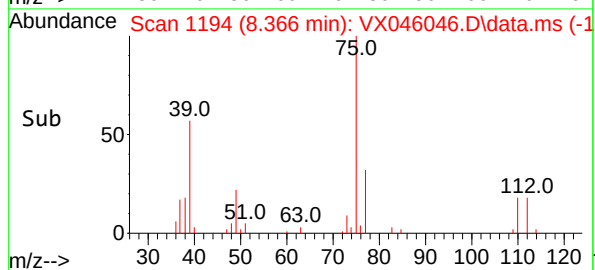
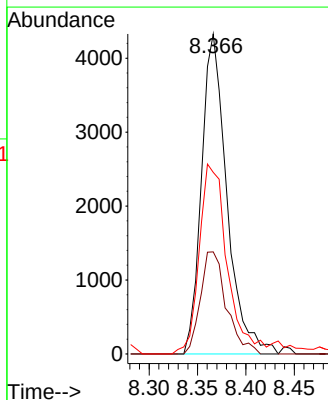
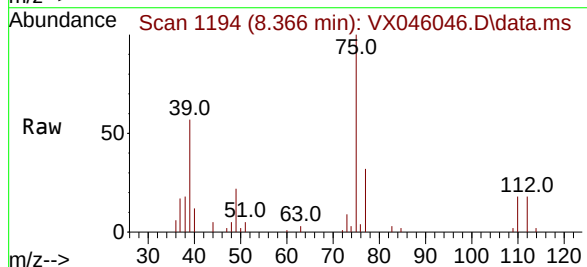
Tgt Ion: 75 Resp: 7908

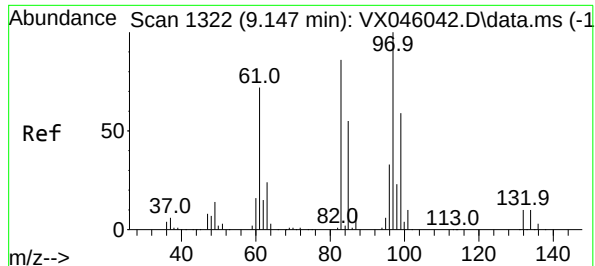
Ion Ratio Lower Upper

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

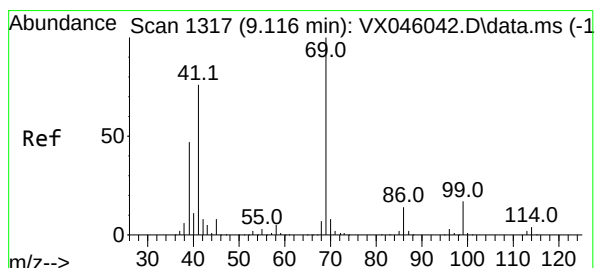
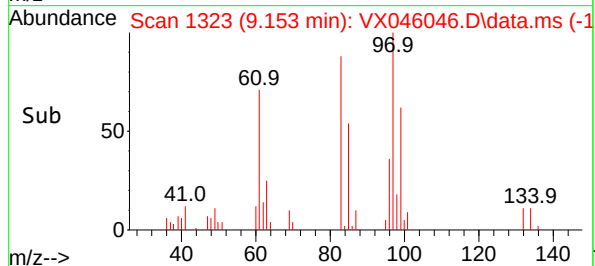
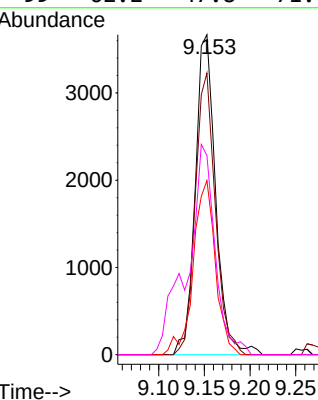
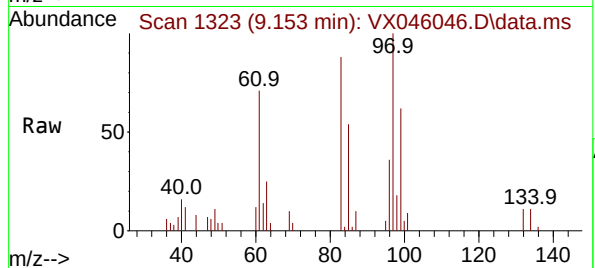
99 62.2 47.8 71.6

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

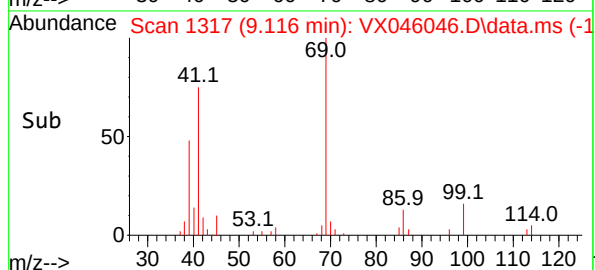
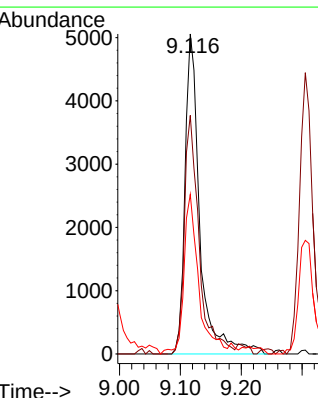
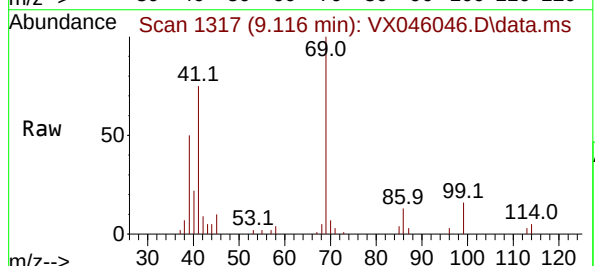
Tgt Ion: 69 Resp: 8555

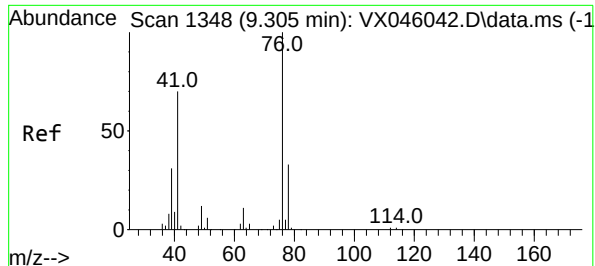
Ion Ratio Lower Upper

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# 1134

Delta R.T. -0.000 min

Lab File: VX046046.D

Acq: 05 May 2025 16:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion: 76 Resp: 1012

Ion Ratio Lower Upper

76 100

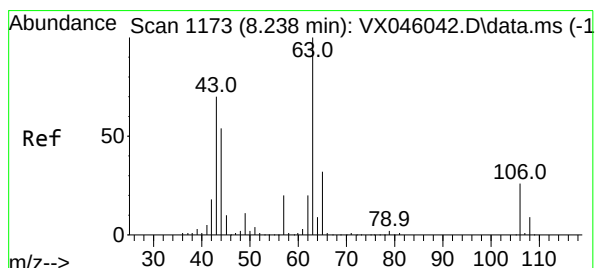
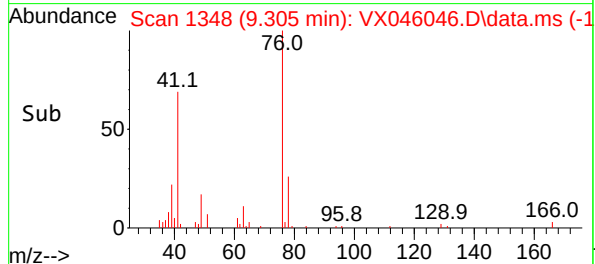
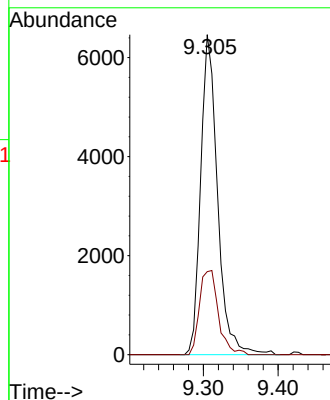
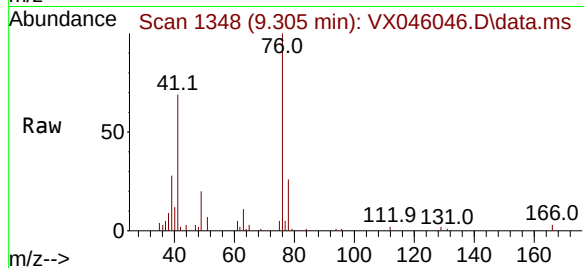
78 29.5 26.3 39.5

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

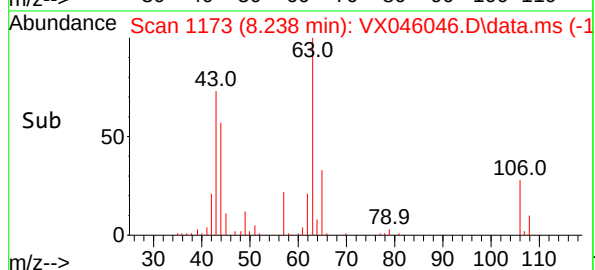
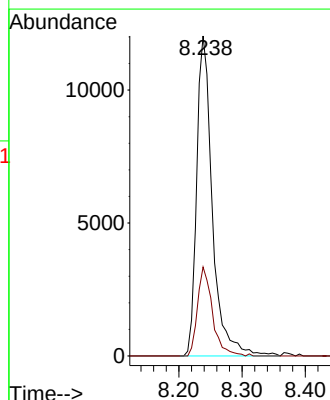
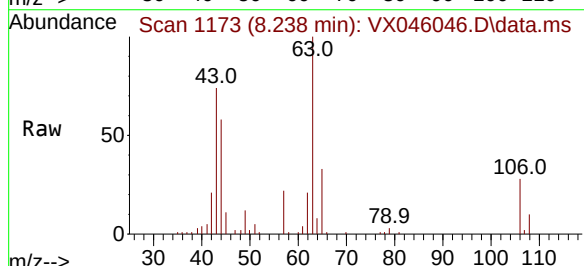
Acq: 05 May 2025 16:04

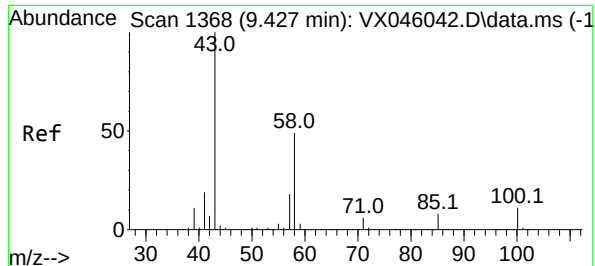
Tgt Ion: 63 Resp: 20809

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

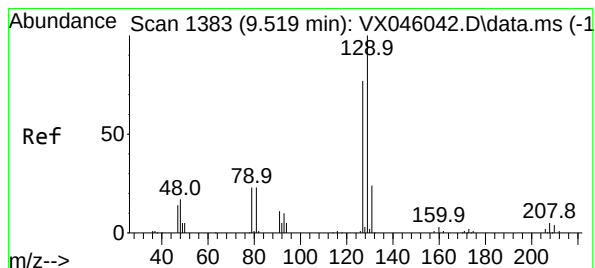
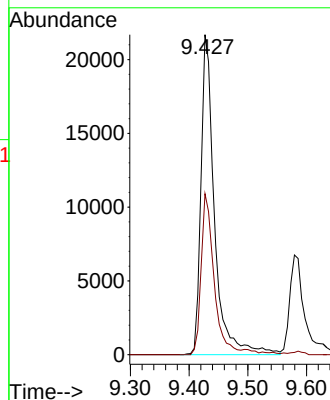
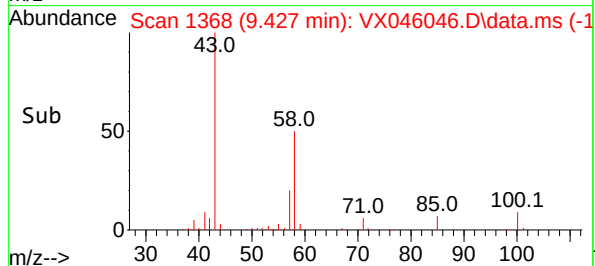
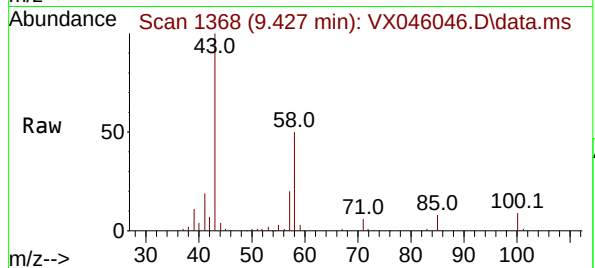
58 47.5 24.9 74.6

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

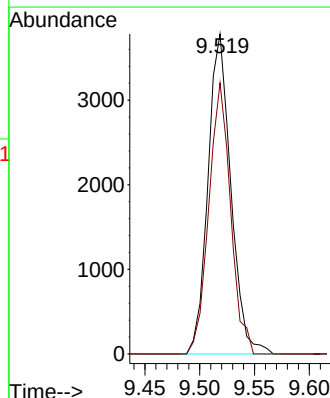
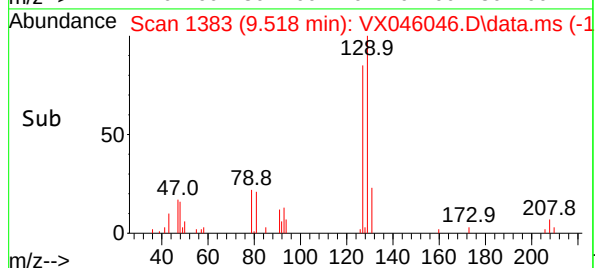
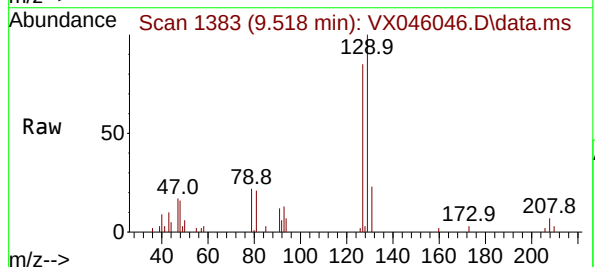
Acq: 05 May 2025 16:04

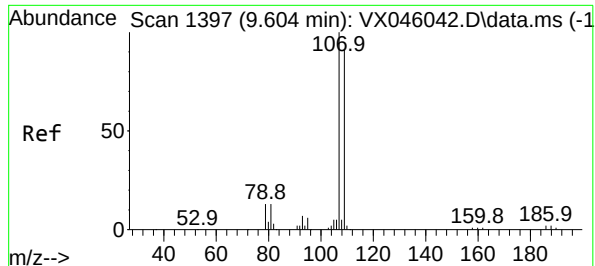
Tgt Ion:129 Resp: 5500

Ion Ratio Lower Upper

129 100

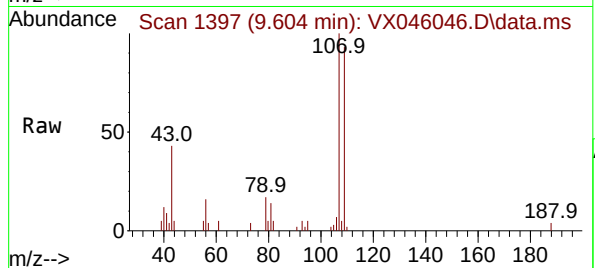
127 80.4 39.3 117.8





#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

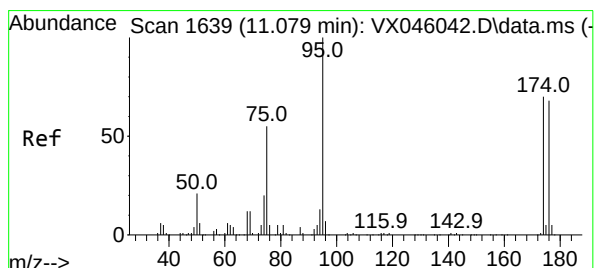
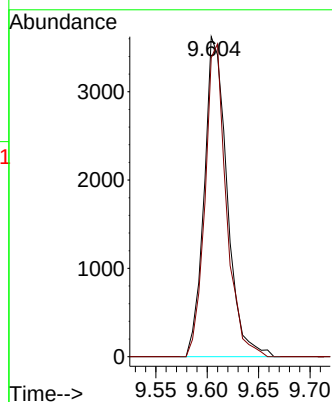
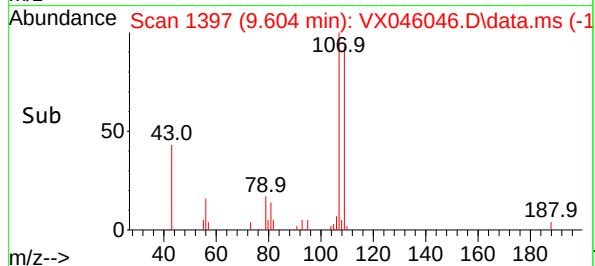
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



Tgt Ion:107 Resp: 5614
Ion Ratio Lower Upper
107 100
109 91.0 73.3 109.9

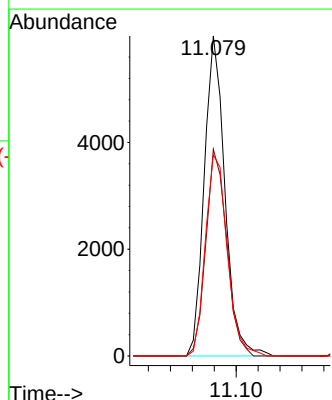
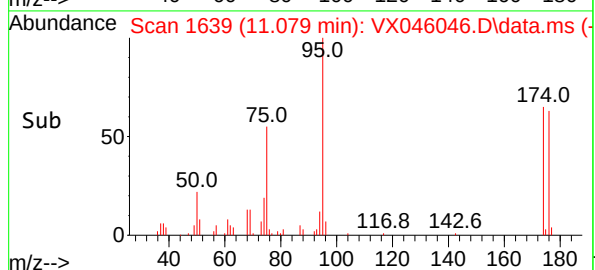
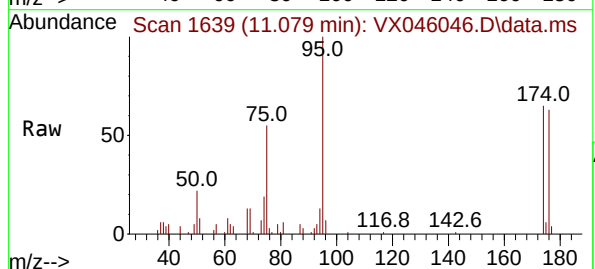
Manual Integrations
APPROVED

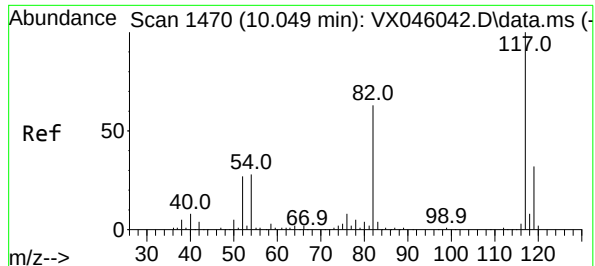
Reviewed By :John Carbone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

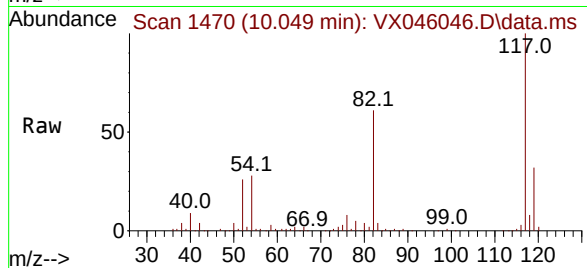
Tgt Ion: 95 Resp: 7822
Ion Ratio Lower Upper
95 100
174 65.0 0.0 135.8
176 66.6 0.0 131.4





#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

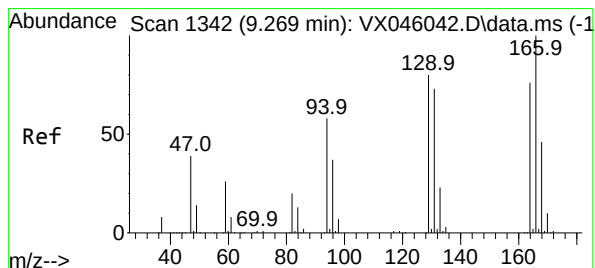
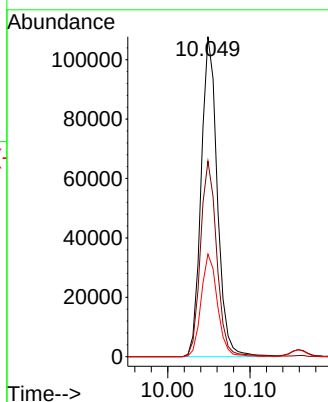
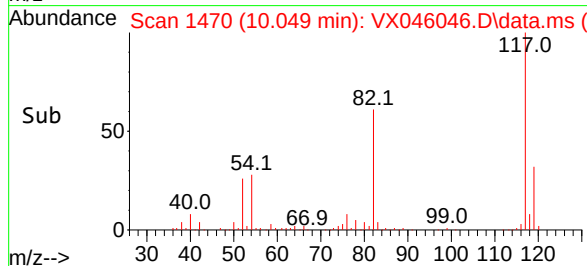
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



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

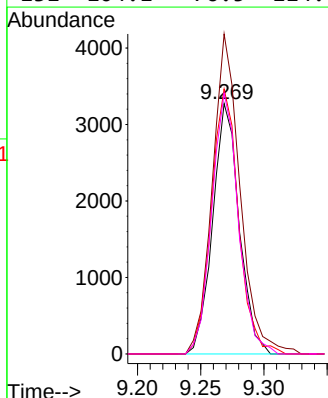
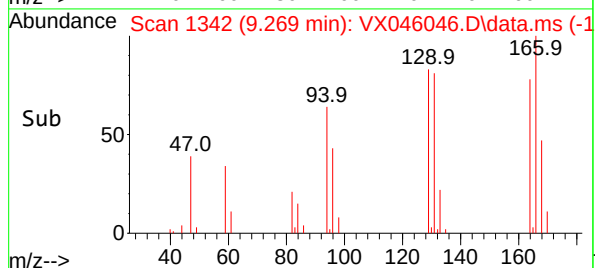
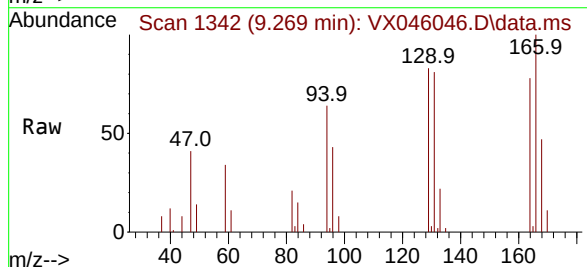
Manual Integrations
APPROVED

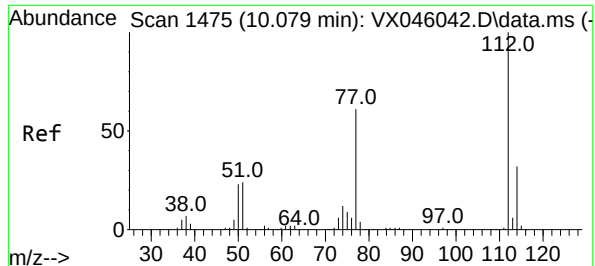
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

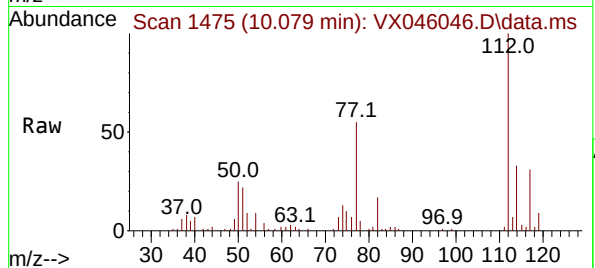
Tgt Ion:164 Resp: 4752
Ion Ratio Lower Upper
164 100
166 127.8 105.0 157.6
129 105.8 83.5 125.3
131 104.1 76.5 114.7





#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

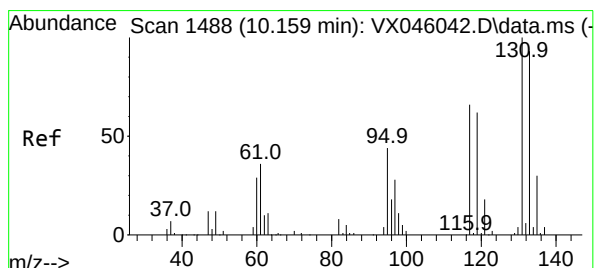
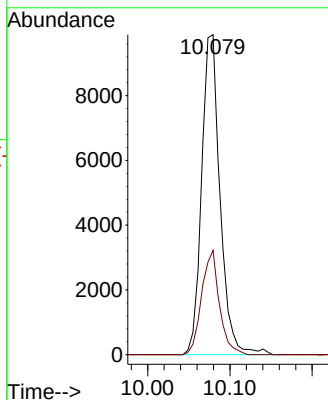
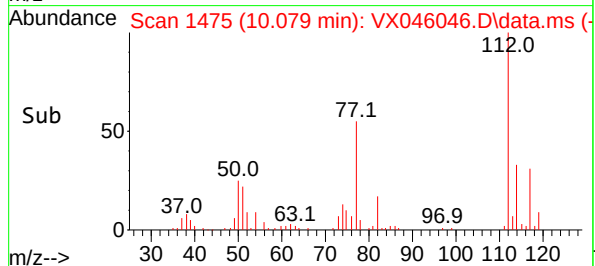
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



Tgt Ion:112 Resp: 1539
Ion Ratio Lower Upper
112 100
114 32.6 25.4 38.2

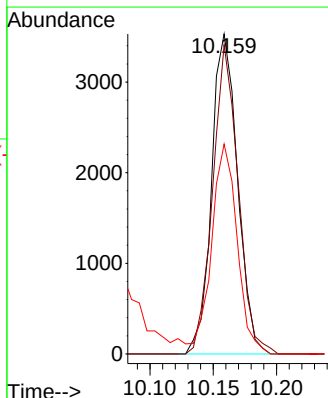
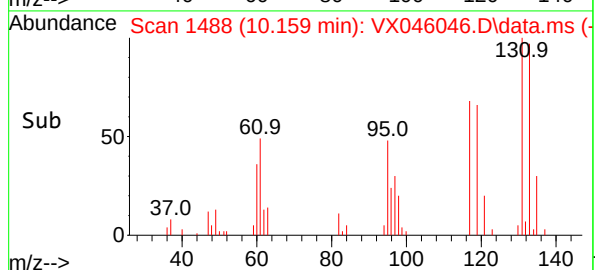
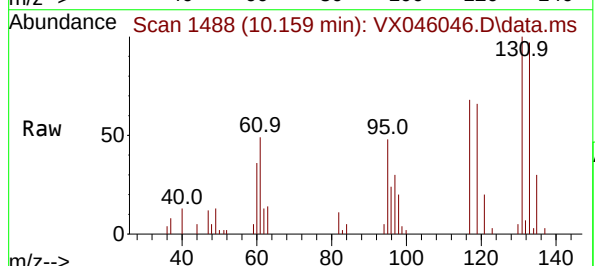
Manual Integrations
APPROVED

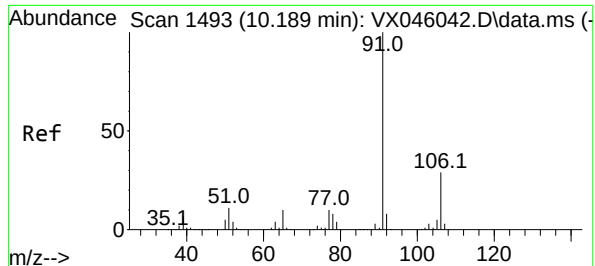
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

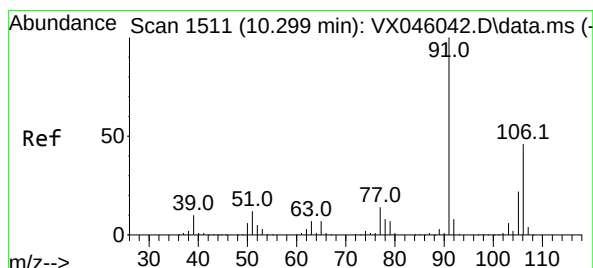
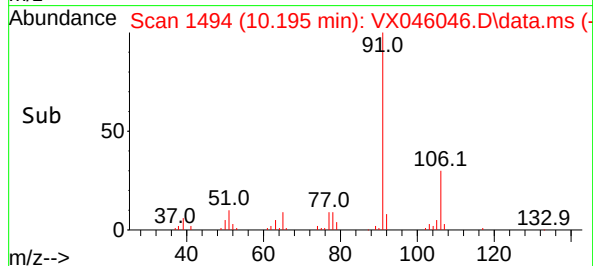
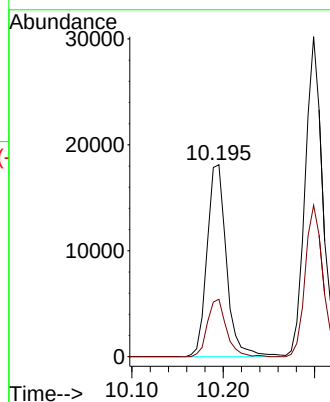
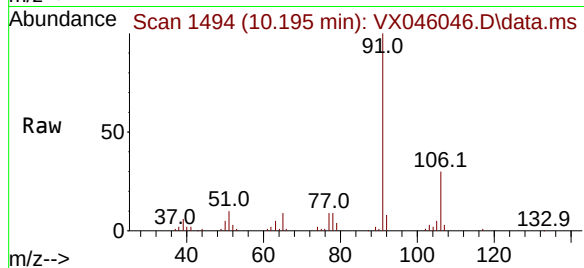
106 29.9 23.4 35.2

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

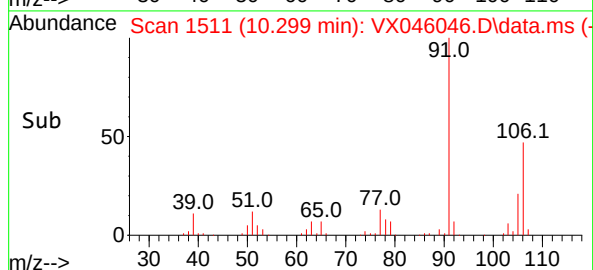
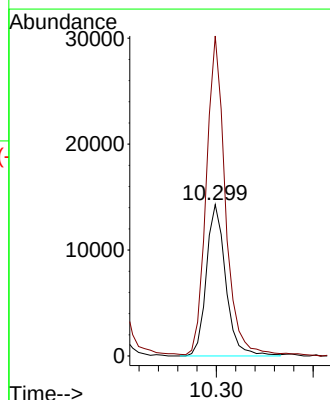
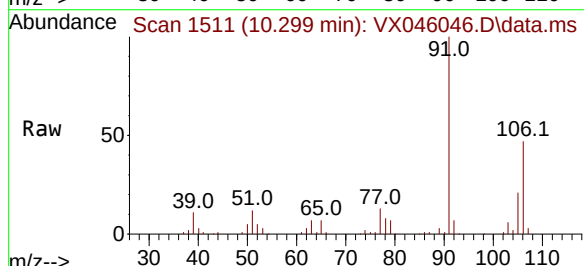
Acq: 05 May 2025 16:04

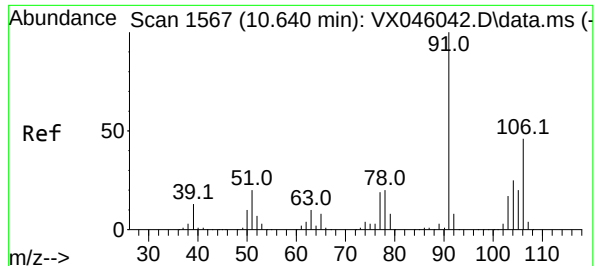
Tgt Ion:106 Resp: 19957

Ion Ratio Lower Upper

106 100

91 210.1 171.2 256.8





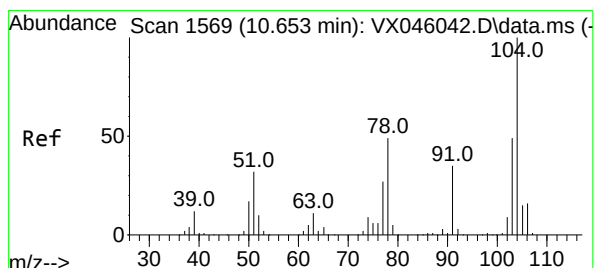
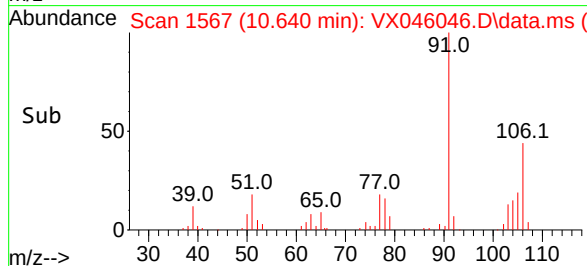
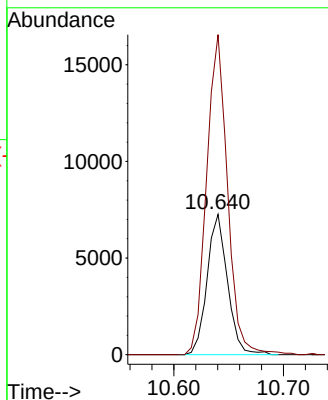
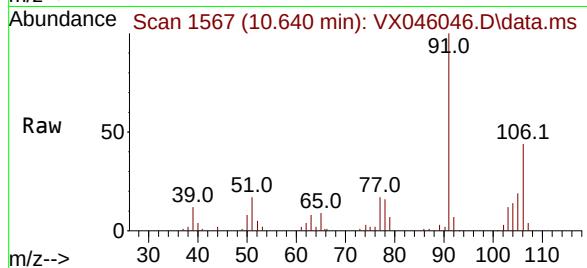
#69
o-Xylene
Concen: 3.343 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:106 Resp: 9398
Ion Ratio Lower Upper
106 100
91 233.6 112.7 338.1

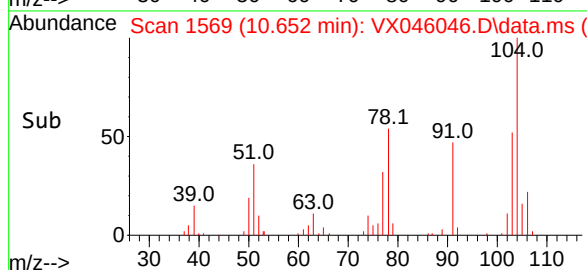
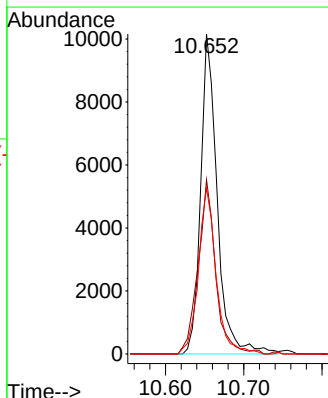
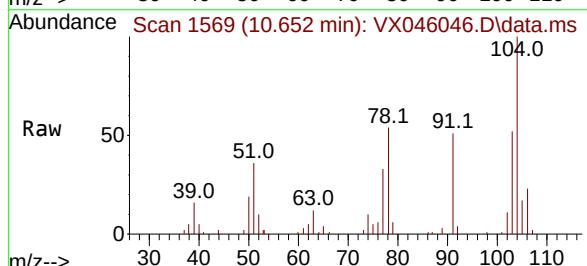
Manual Integrations
APPROVED

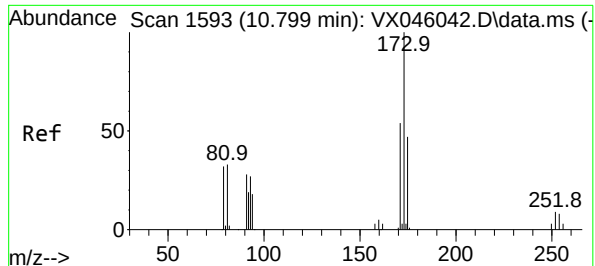
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

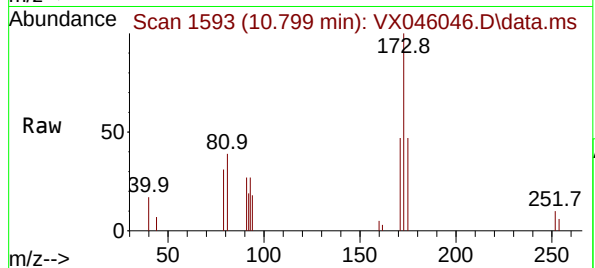
Tgt Ion:104 Resp: 14900
Ion Ratio Lower Upper
104 100
78 57.9 45.7 68.5
103 55.6 43.7 65.5





#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

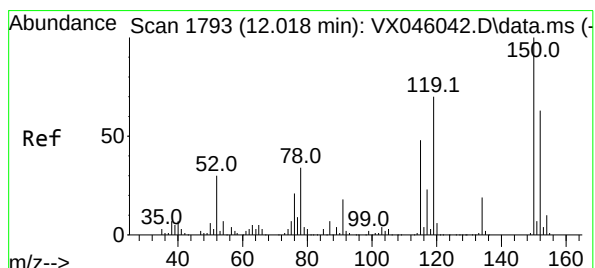
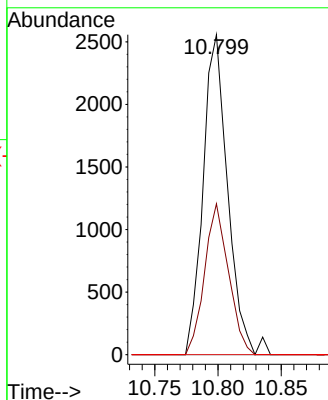
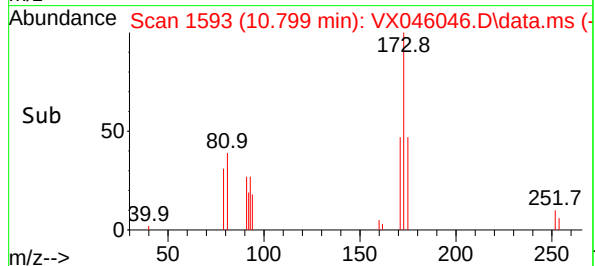
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



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

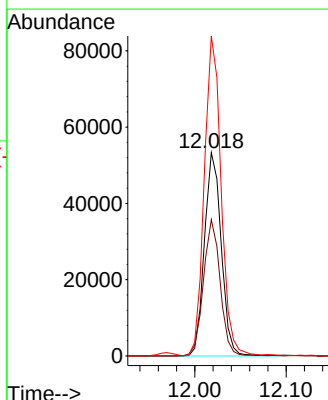
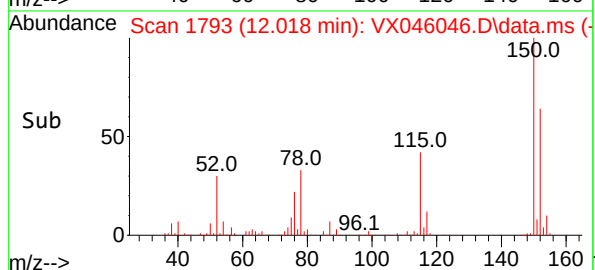
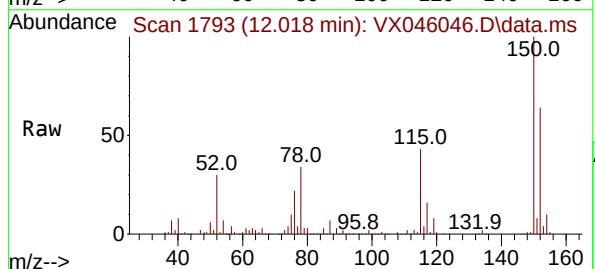
Manual Integrations
APPROVED

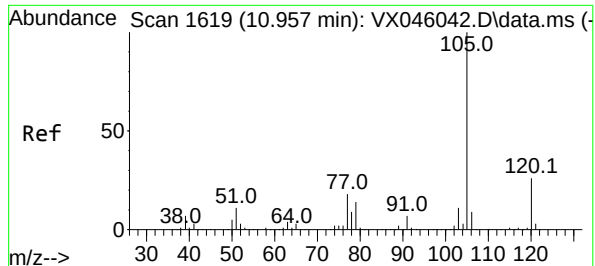
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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





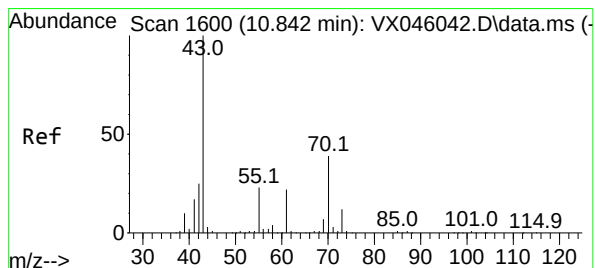
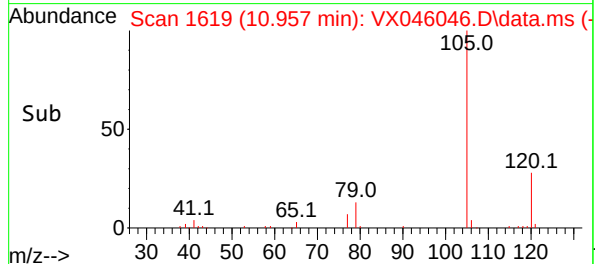
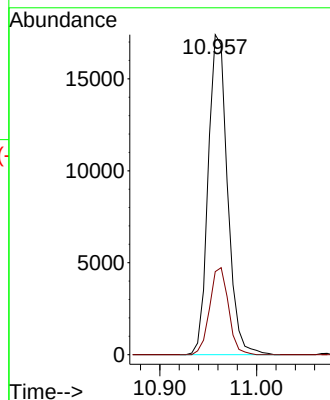
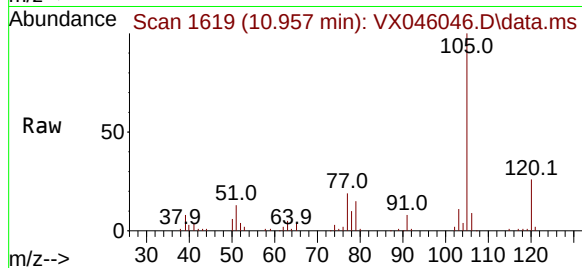
#73
Isopropylbenzene
Concen: 3.266 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion: 105 Resp: 2420
Ion Ratio Lower Upper
105 100
120 26.4 12.8 38.4

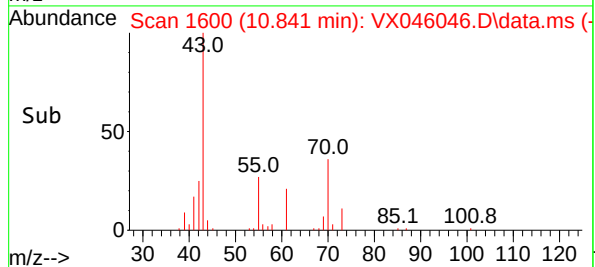
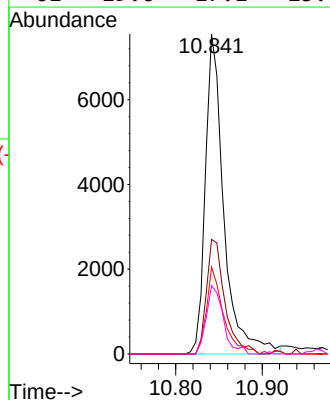
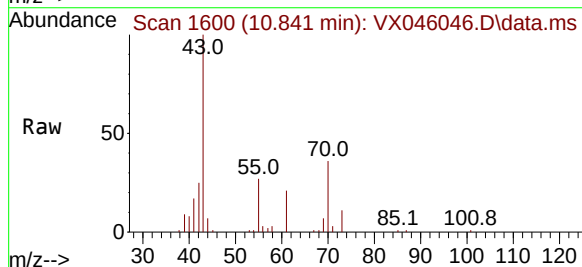
Manual Integrations
APPROVED

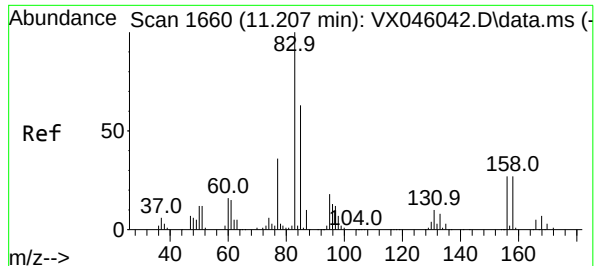
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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





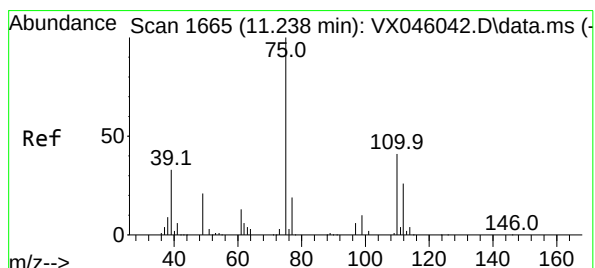
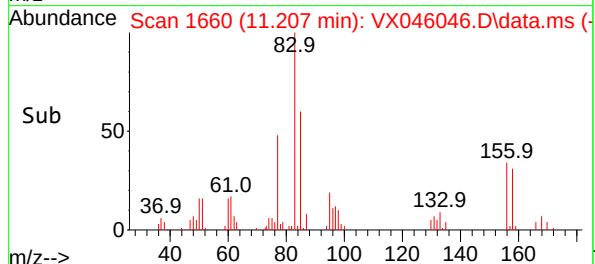
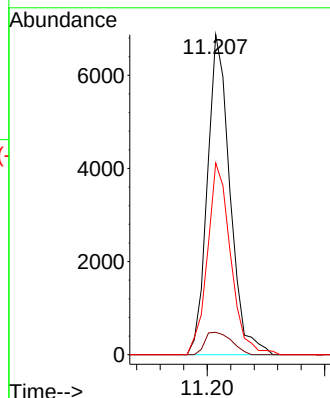
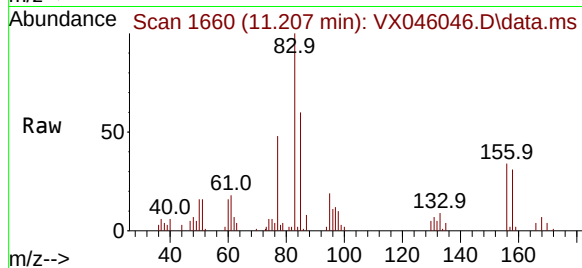
#75
1,1,2,2-Tetrachloroethane
Concen: 3.479 ug/l
RT: 11.207 min Scan# 1660
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

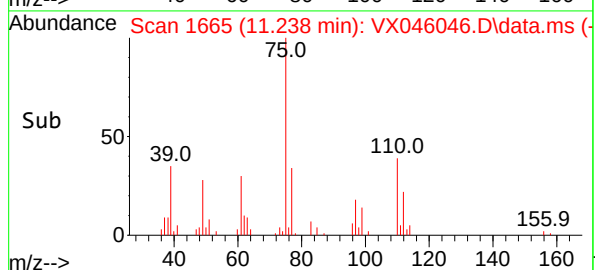
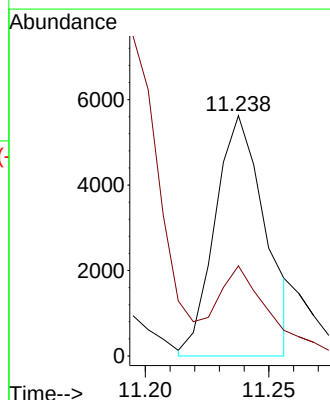
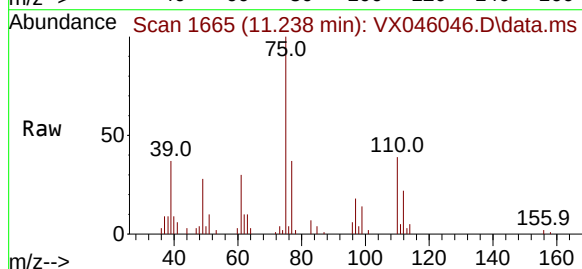
Manual Integrations
APPROVED

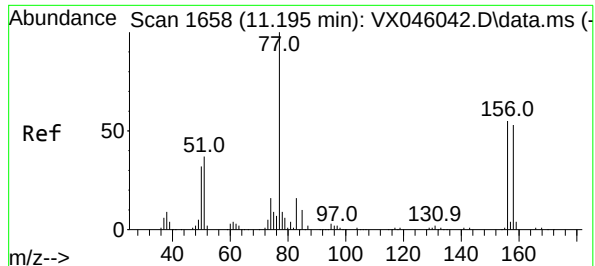
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

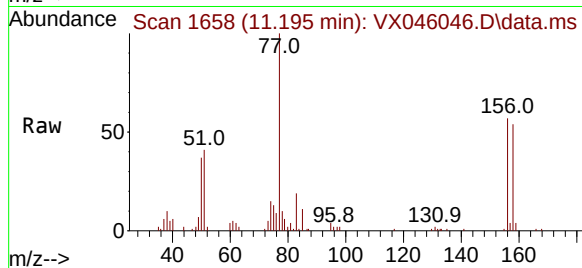
Tgt Ion: 75 Resp: 7928
Ion Ratio Lower Upper
75 100
77 40.6 20.5 61.5





#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

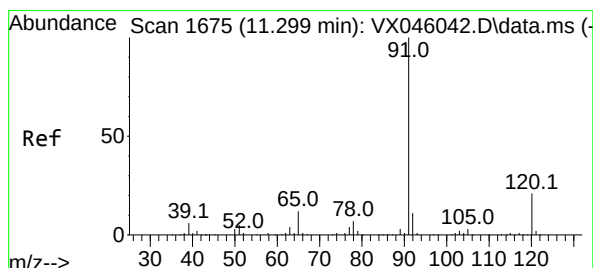
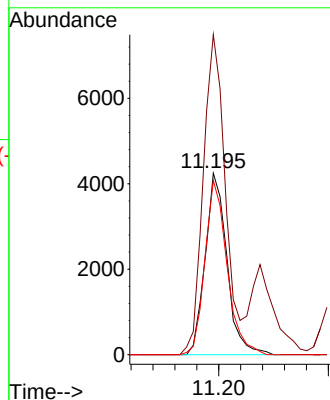
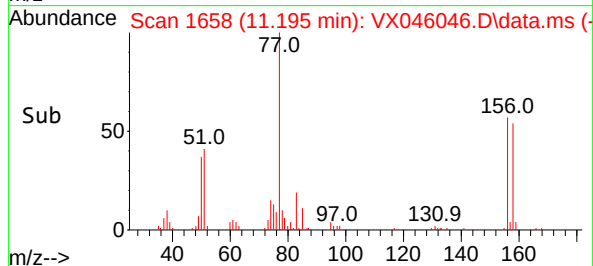
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



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

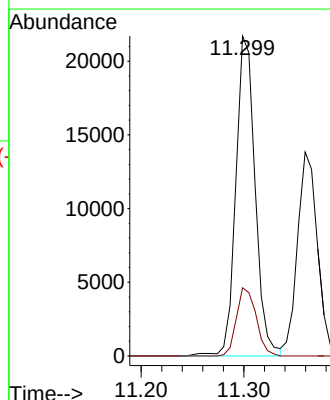
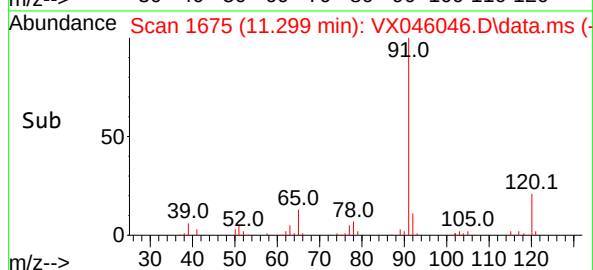
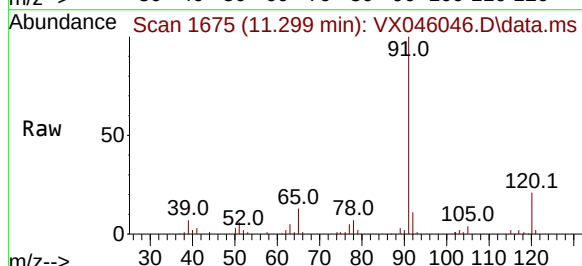
Manual Integrations
APPROVED

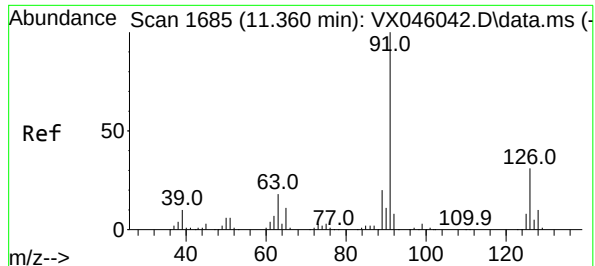
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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





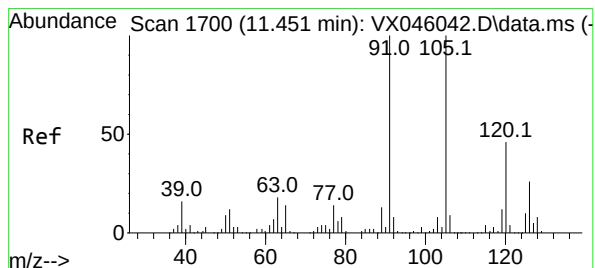
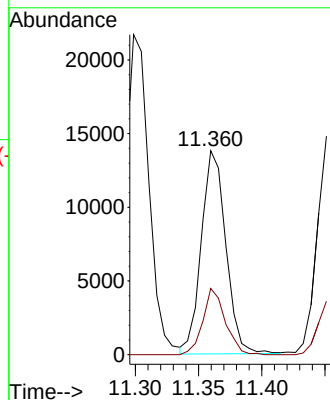
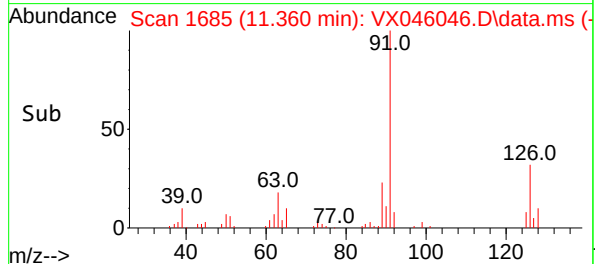
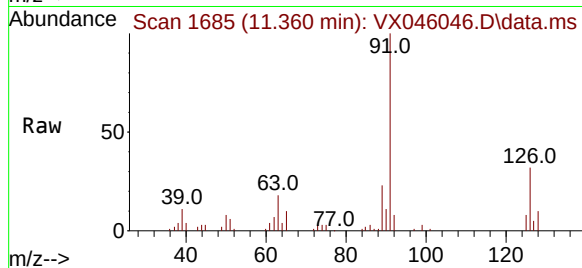
#79
2-Chlorotoluene
Concen: 3.336 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion: 91 Resp: 18672
Ion Ratio Lower Upper
91 100
126 29.7 15.6 46.7

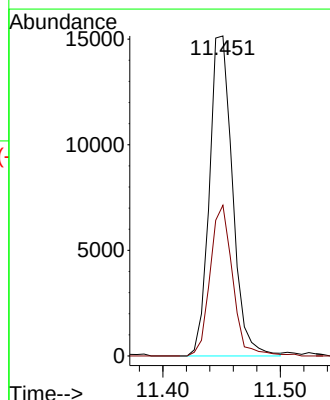
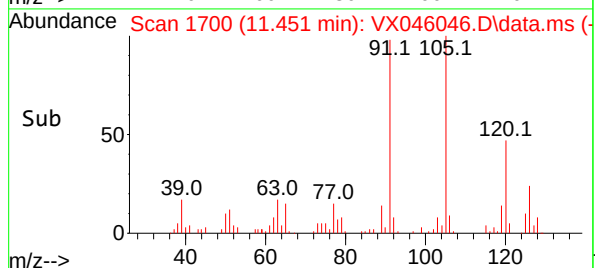
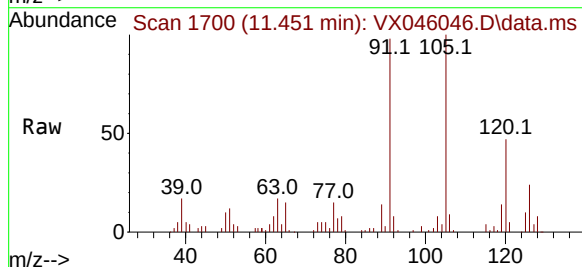
Manual Integrations
APPROVED

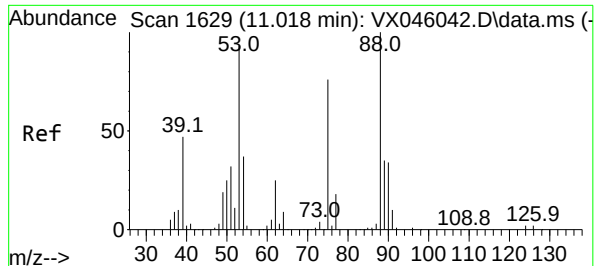
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

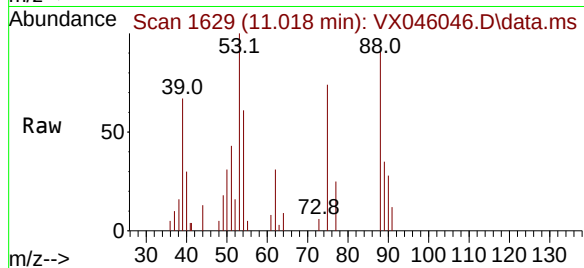
Tgt Ion:105 Resp: 20742
Ion Ratio Lower Upper
105 100
120 45.9 23.1 69.2





#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

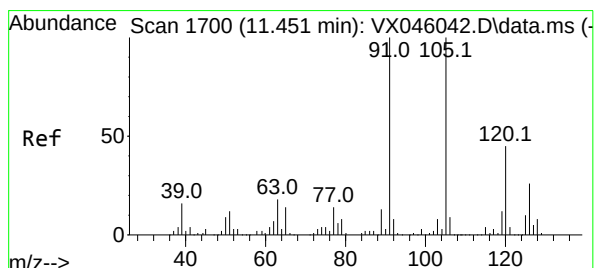
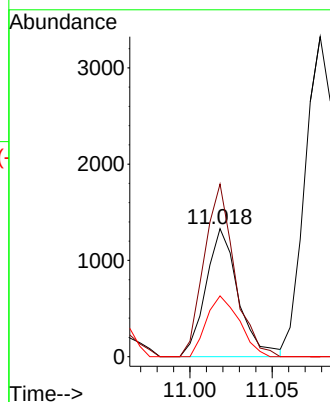
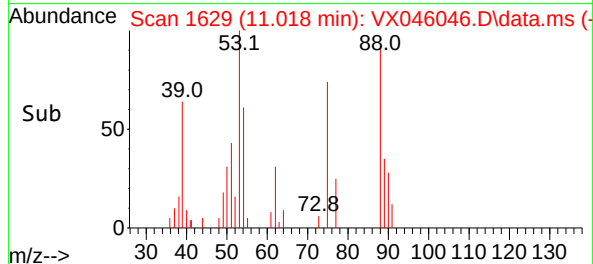
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



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

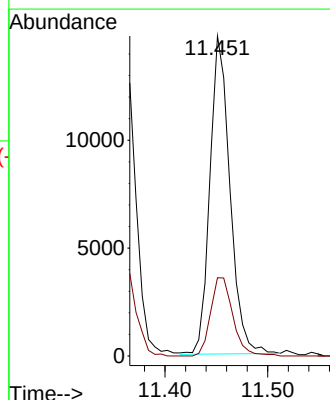
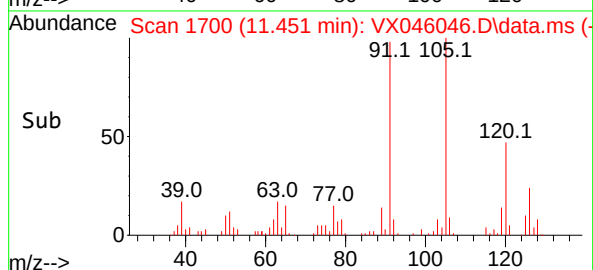
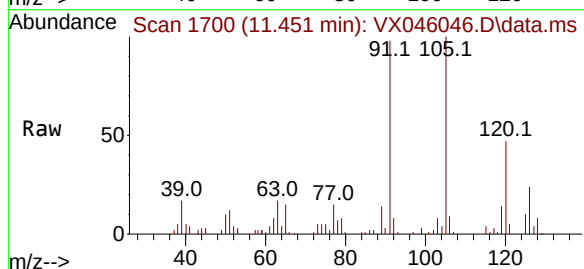
Manual Integrations
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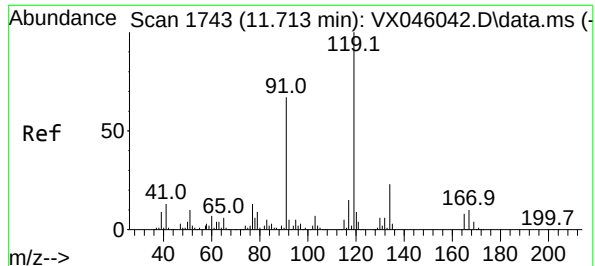
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

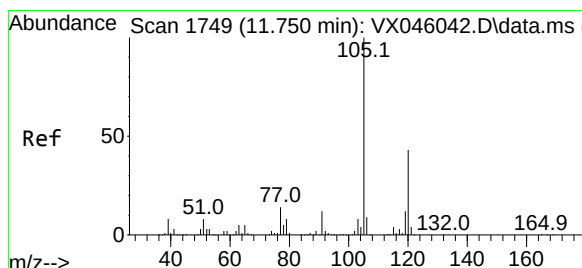
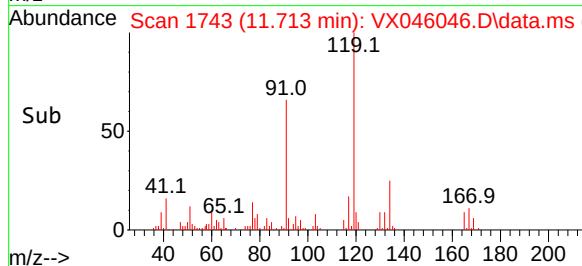
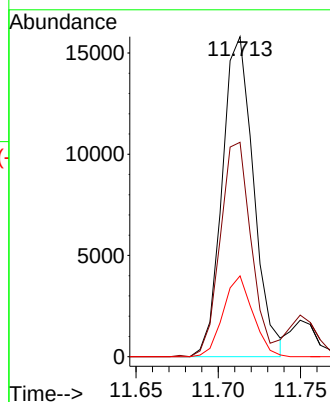
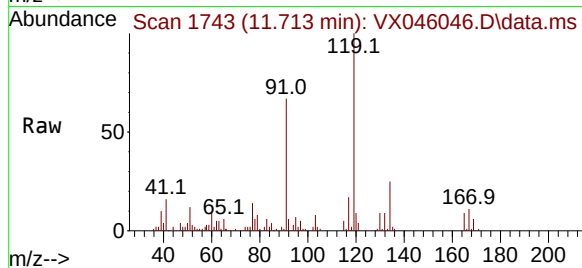
134 23.8 11.4 34.1

Manual Integrations

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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

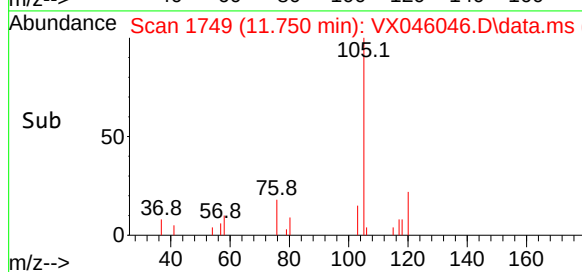
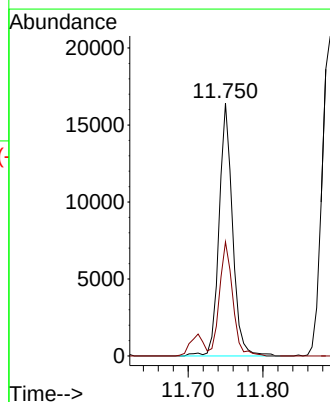
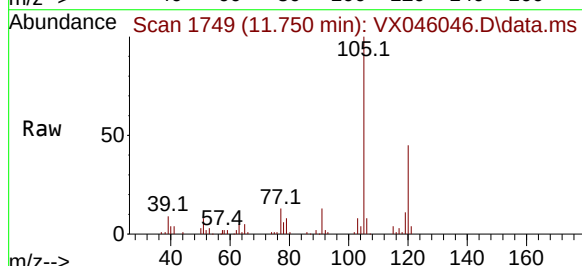
Acq: 05 May 2025 16:04

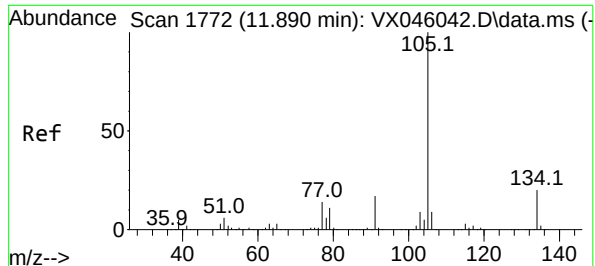
Tgt Ion:105 Resp: 20613

Ion Ratio Lower Upper

105 100

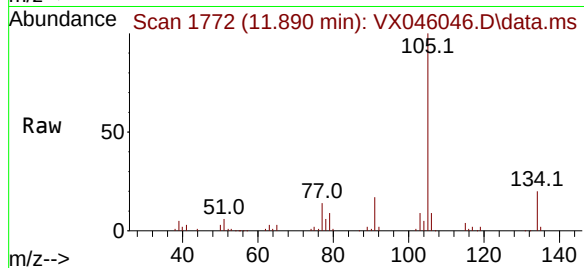
120 44.5 21.2 63.6





#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

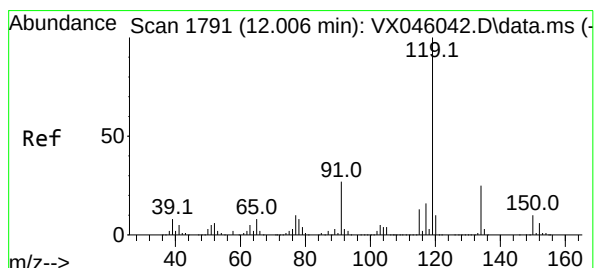
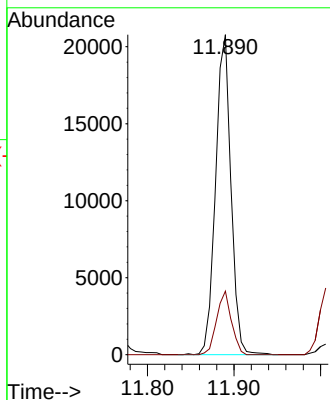
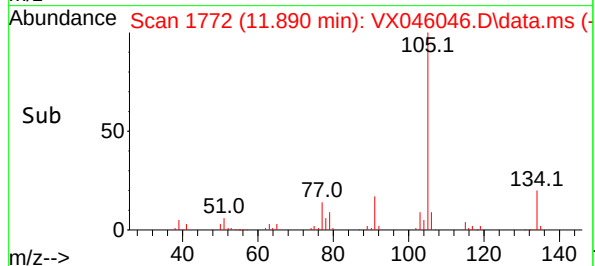
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



Tgt Ion:105 Resp: 25590
Ion Ratio Lower Upper
105 100
134 19.1 9.7 29.1

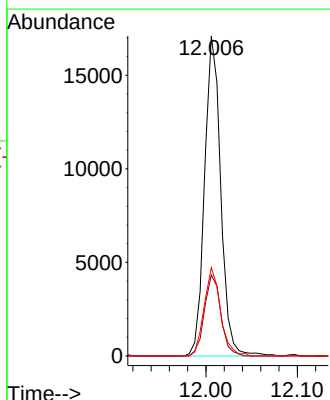
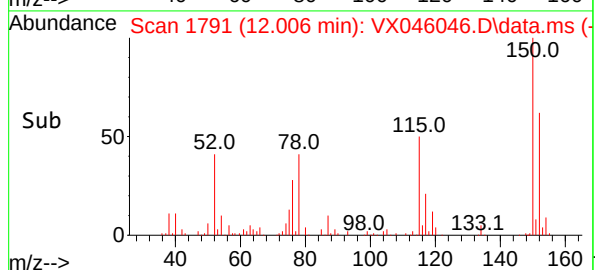
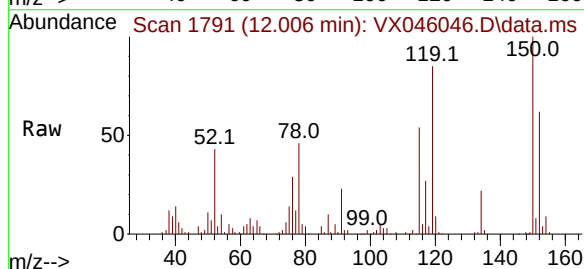
Manual Integrations
APPROVED

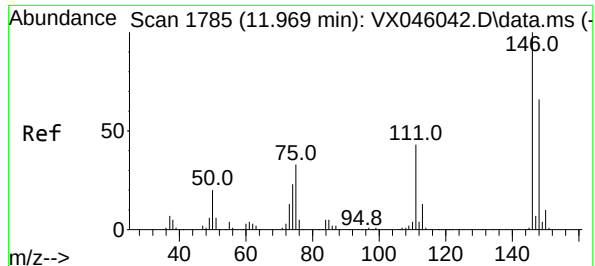
Reviewed By :John Carbone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

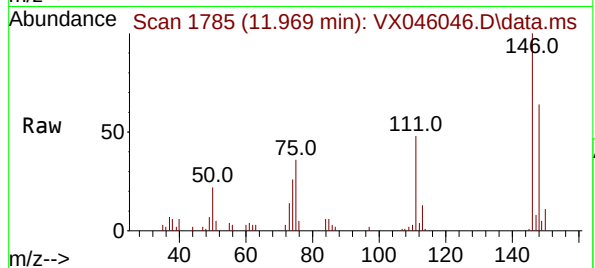
Tgt Ion:119 Resp: 20955
Ion Ratio Lower Upper
119 100
134 25.6 12.5 37.5
91 28.0 13.8 41.4





#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

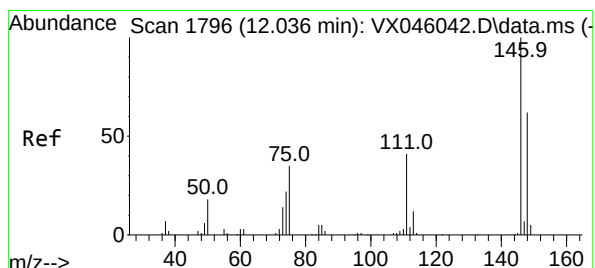
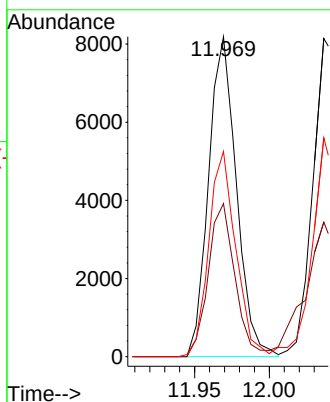
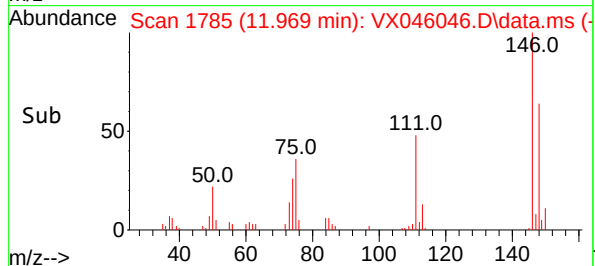
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



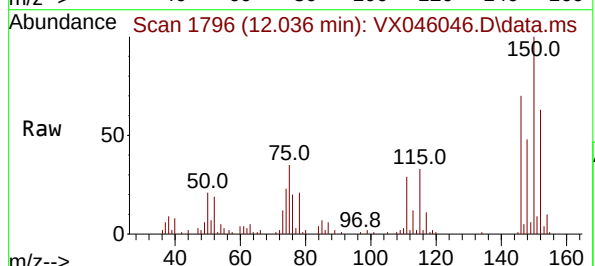
Tgt Ion:146 Resp: 1058
Ion Ratio Lower Upper
146 100
111 46.2 22.1 66.3
148 62.4 32.1 96.5

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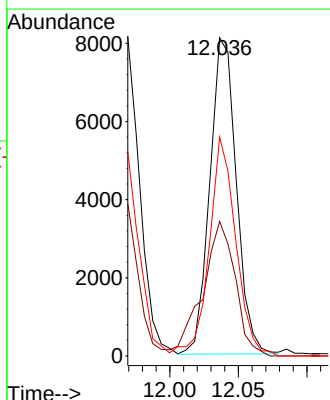
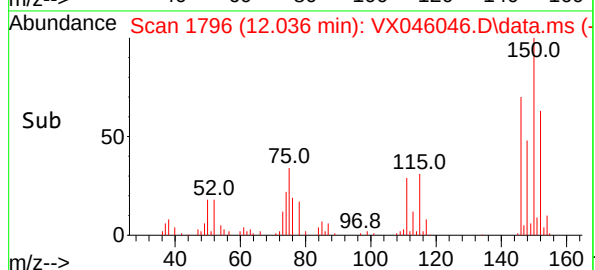
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

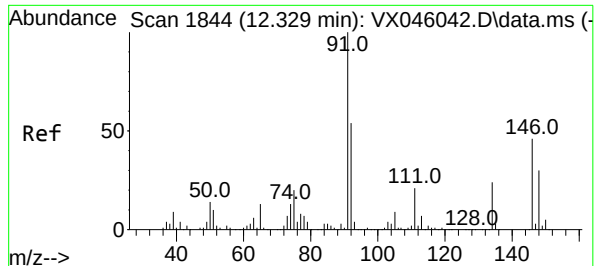


#88
1,4-Dichlorobenzene
Concen: 3.486 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04



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

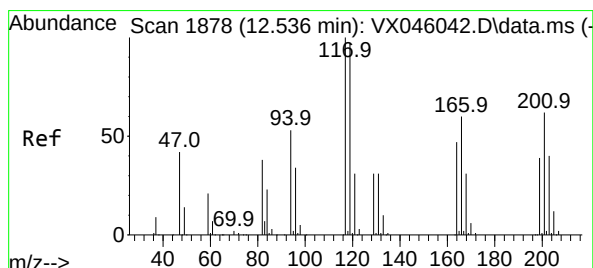
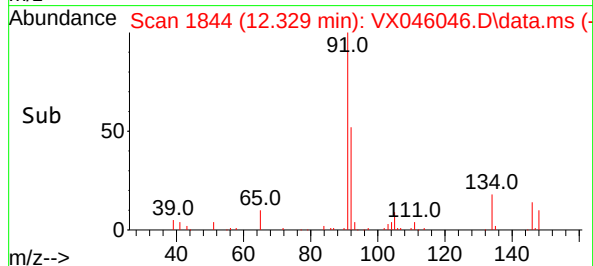
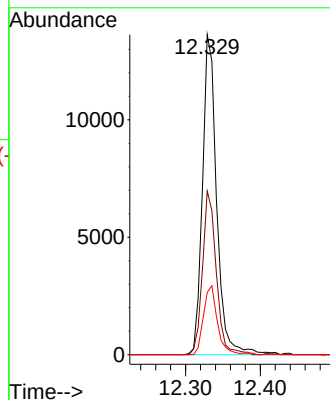
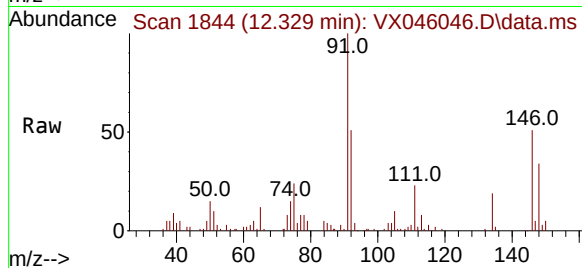
Tgt Ion:	91	Resp:	18004
Ion Ratio	Lower	Upper	
91	100		
92	49.5	26.9	80.7
134	21.2	11.8	35.3

Manual Integrations

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Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#90

Hexachloroethane

Concen: 3.153 ug/l

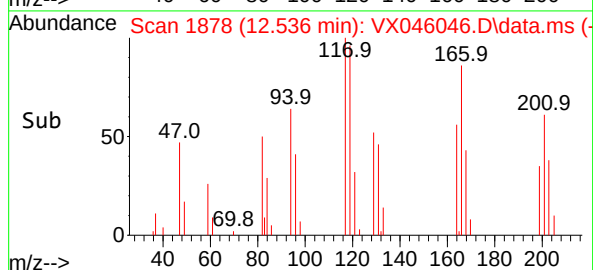
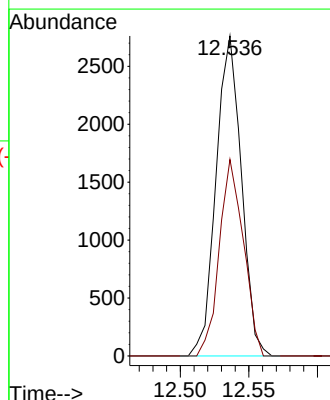
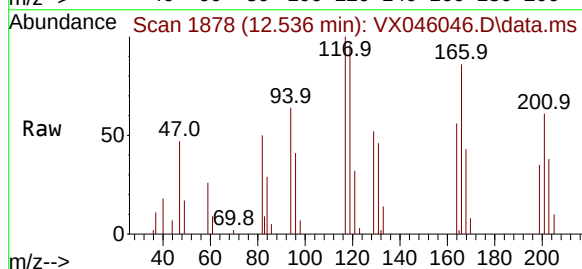
RT: 12.536 min Scan# 1878

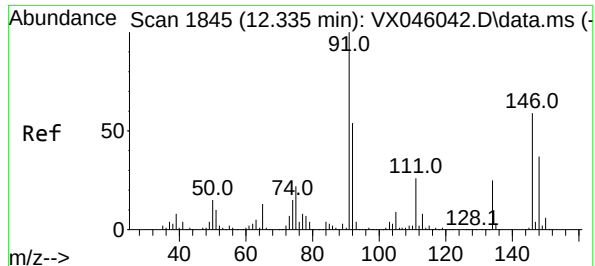
Delta R.T. -0.000 min

Lab File: VX046046.D

Acq: 05 May 2025 16:04

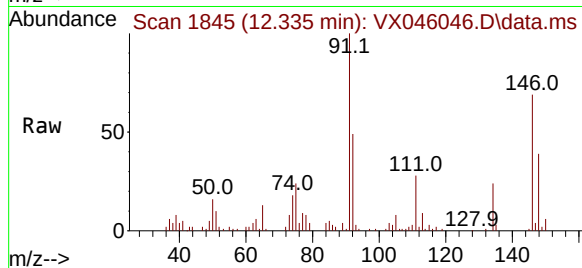
Tgt Ion:	117	Resp:	3553
Ion Ratio	Lower	Upper	
117	100		
201	58.5	31.6	94.7





#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

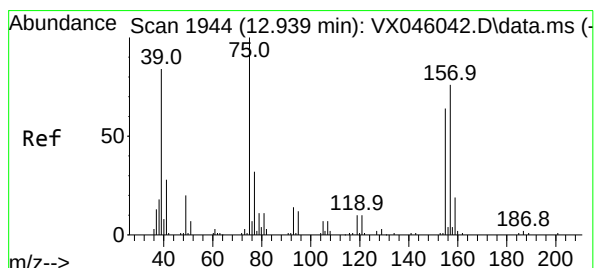
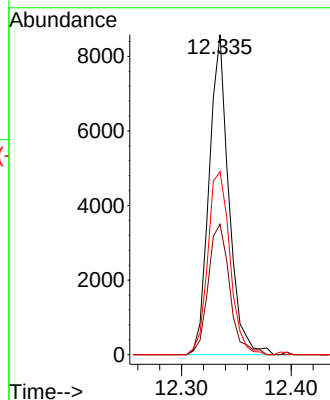
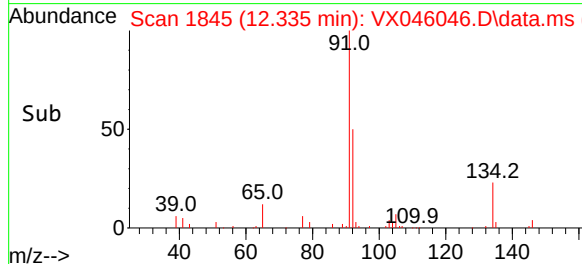
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



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

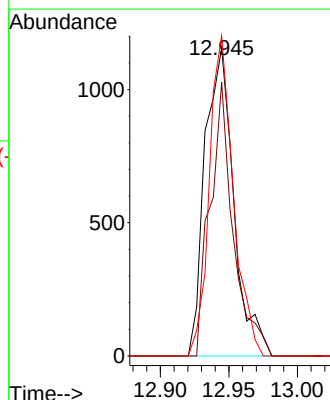
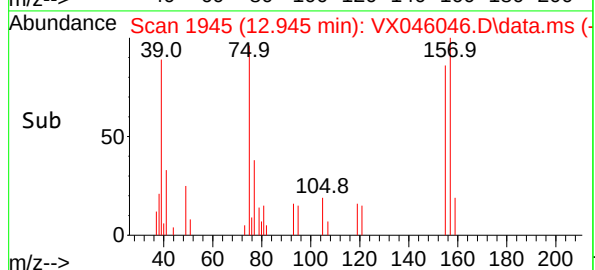
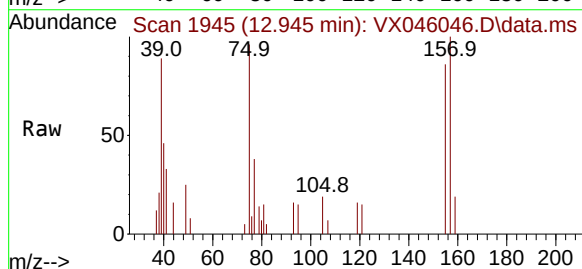
Manual Integrations
APPROVED

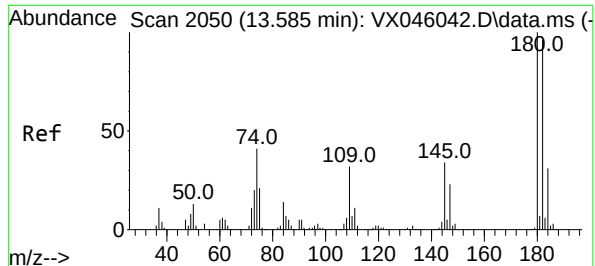
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

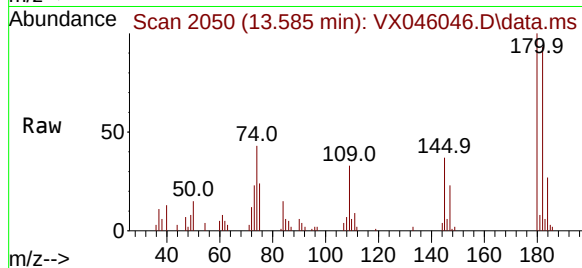
Tgt Ion: 75 Resp: 1687
Ion Ratio Lower Upper
75 100
155 71.7 34.9 104.8
157 87.0 43.8 131.4





#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

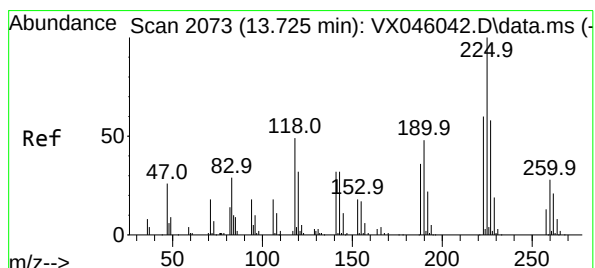
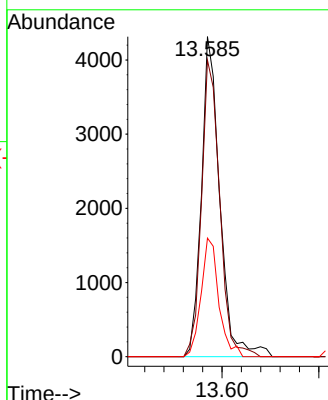
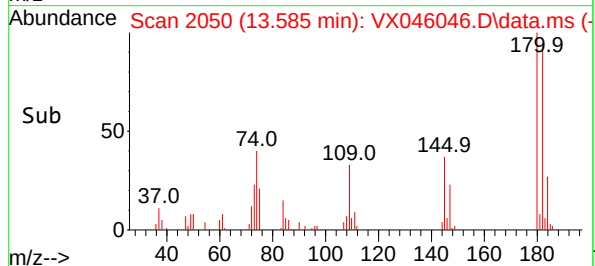
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



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

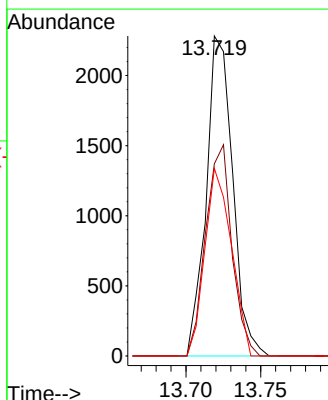
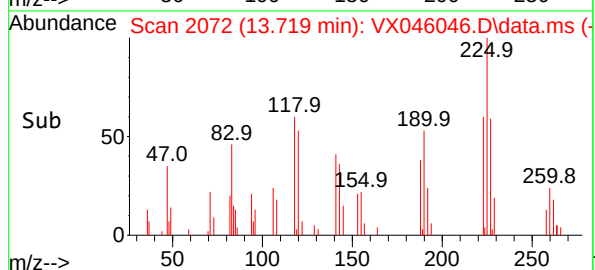
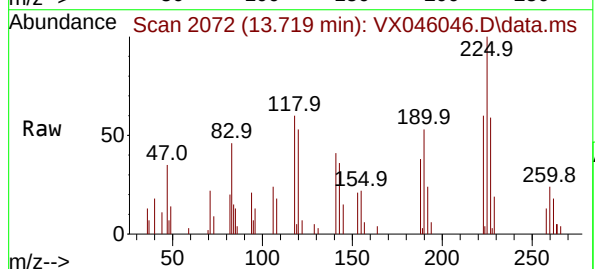
Manual Integrations
APPROVED

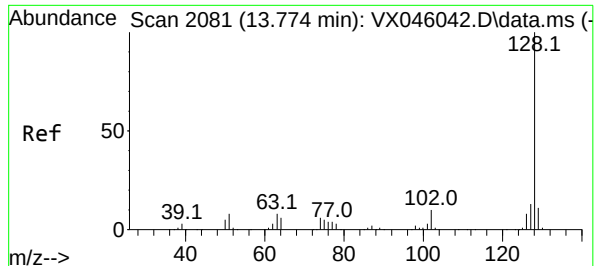
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

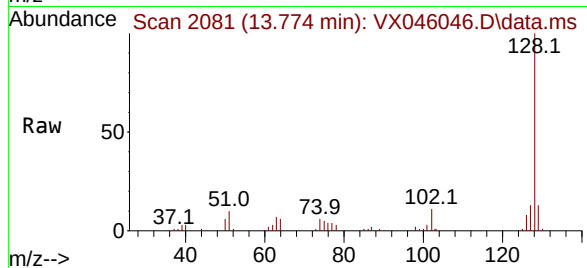
Tgt Ion:225 Resp: 2816
Ion Ratio Lower Upper
225 100
223 65.1 30.8 92.4
227 58.8 30.9 92.7





#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

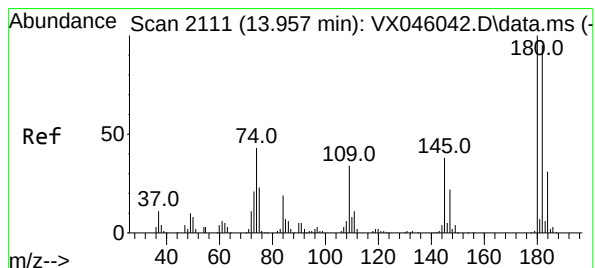
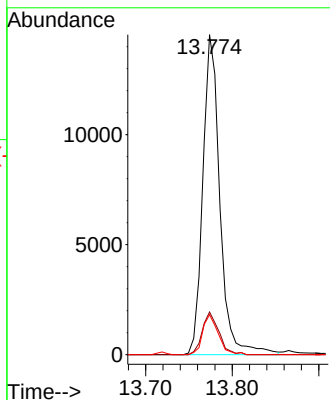
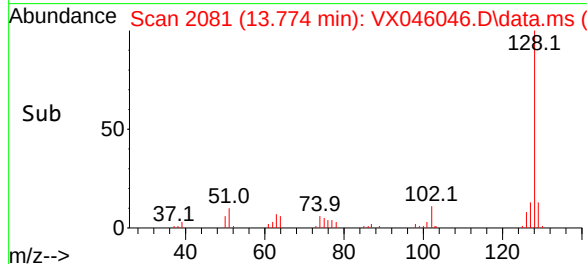
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



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

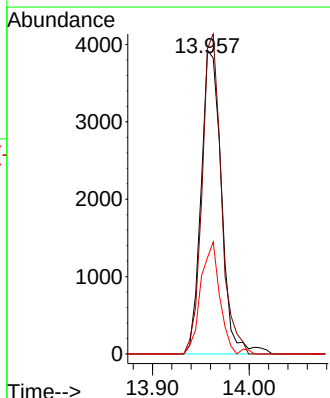
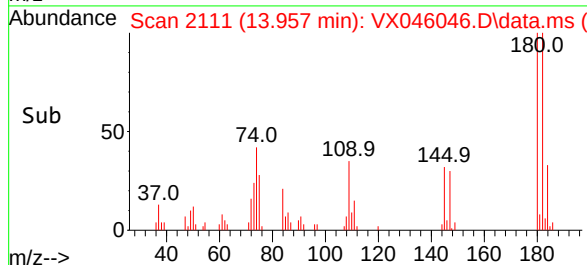
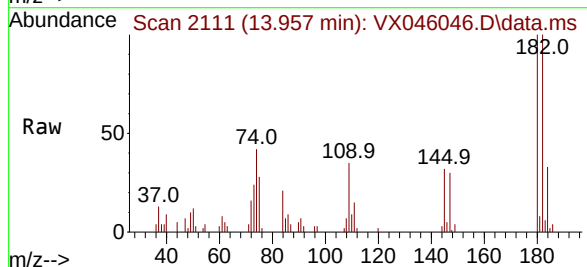
Manual Integrations
APPROVED

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
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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

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 Data File : VX046047.D
 Acq On : 05 May 2025 16:27
 Operator : JC/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC001

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

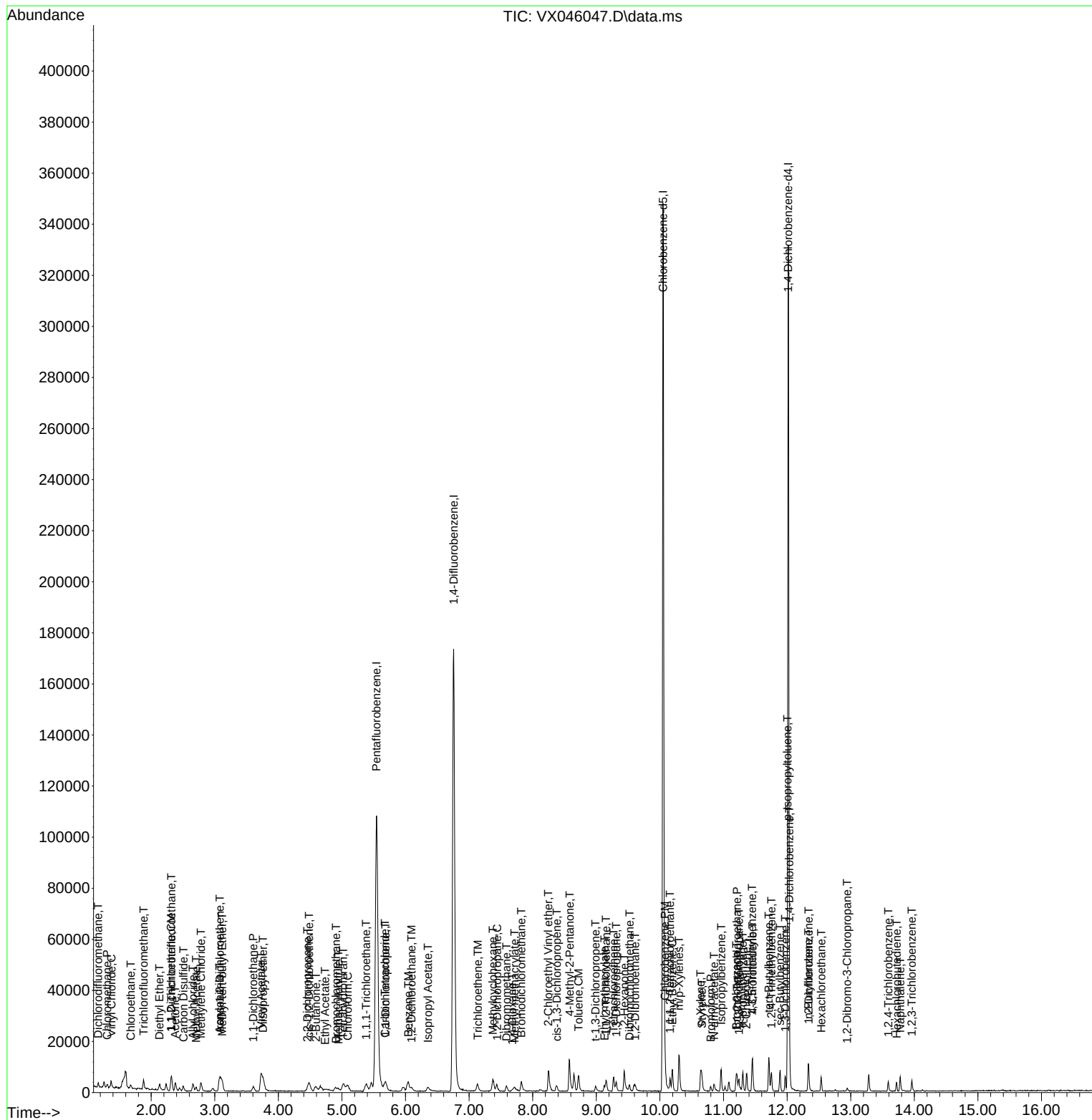
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	7.586	93	880	0.667	ug/l	97
47) Bromodichloromethane	7.818	83	1620	0.633	ug/l #	91
48) Methyl methacrylate	7.714	41	1235m	0.577	ug/l	
49) 1,4-Dioxane	7.677	88	498	11.703	ug/l #	66
51) 4-Methyl-2-Pentanone	8.580	43	9378	3.430	ug/l	97
52) 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

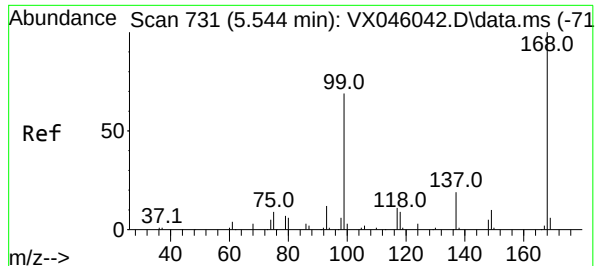
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

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





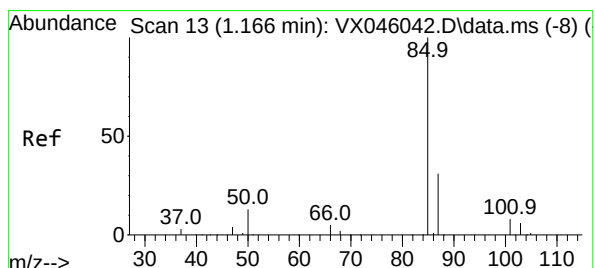
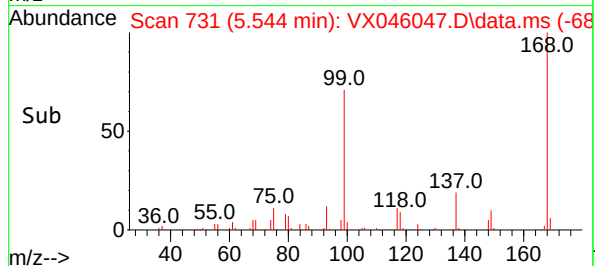
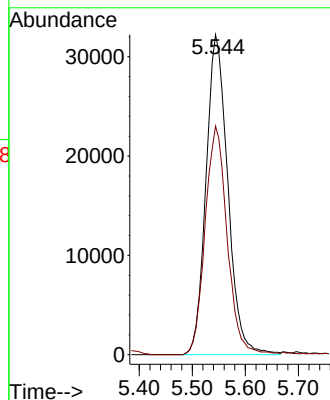
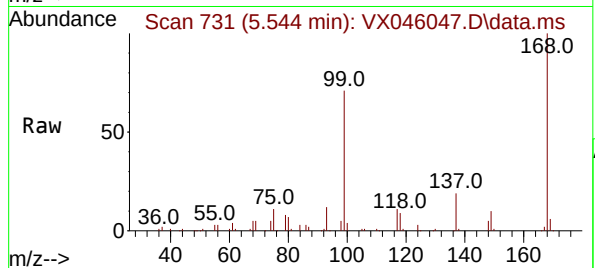
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Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tgt Ion:168 Resp: 92040
Ion Ratio Lower Upper
168 100
99 71.5 54.9 82.3

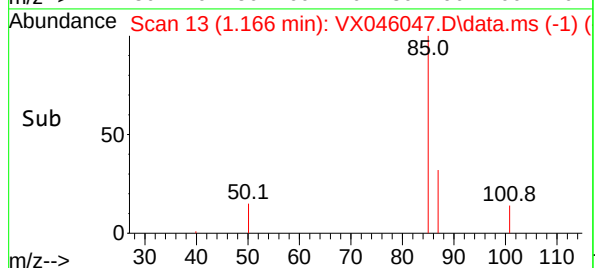
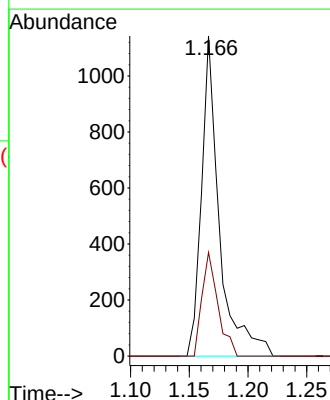
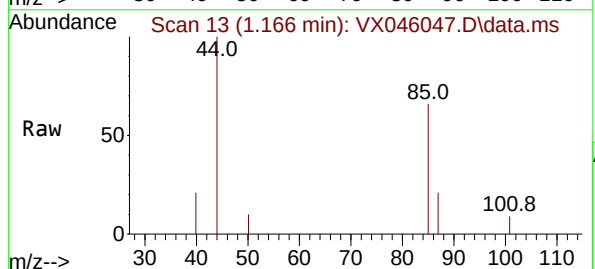
Manual Integrations
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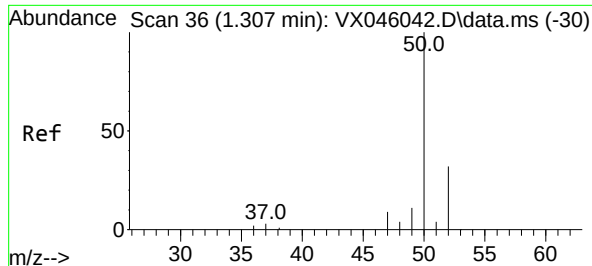
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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





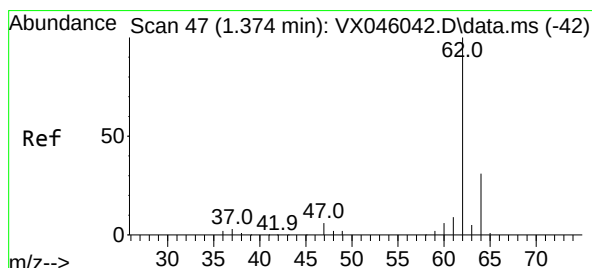
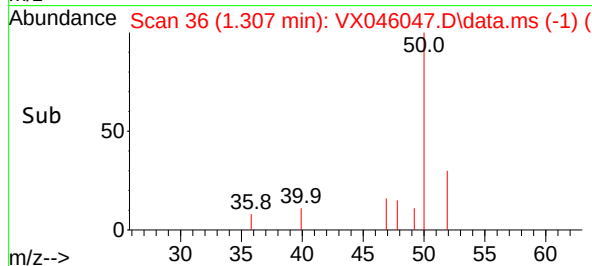
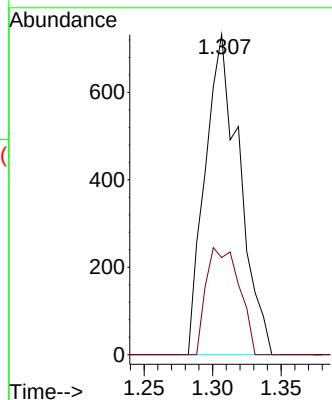
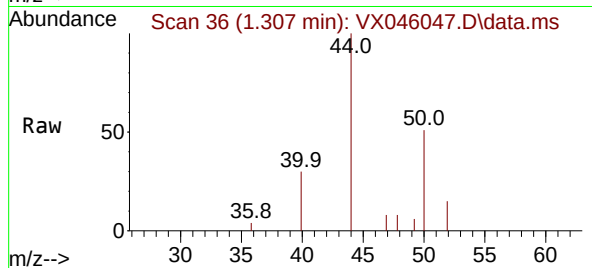
#3
Chloromethane
Concen: 0.639 ug/l
RT: 1.307 min Scan# 30
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 50 Resp: 1278
Ion Ratio Lower Upper
50 100
52 30.3 25.4 38.2

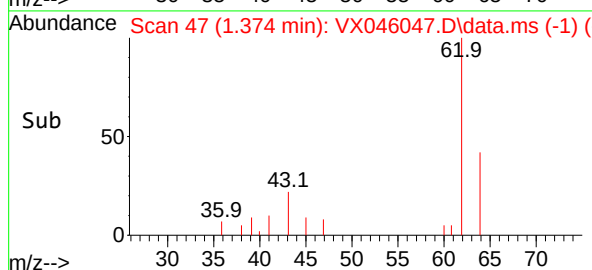
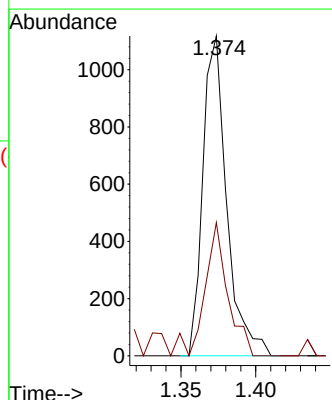
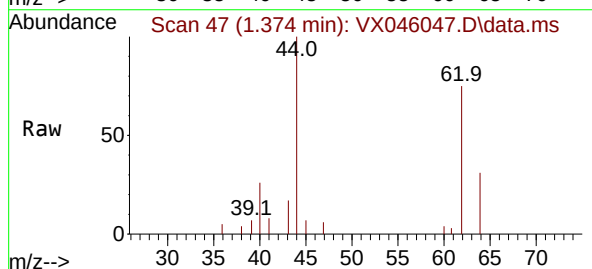
Manual Integrations
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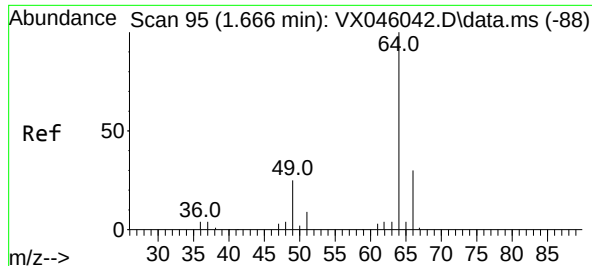
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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#





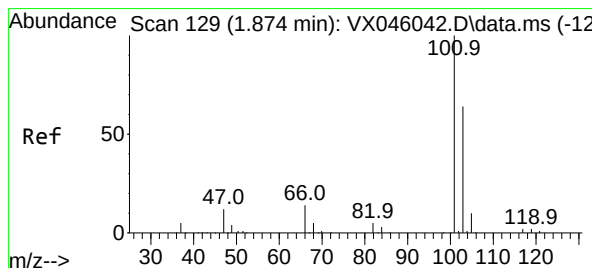
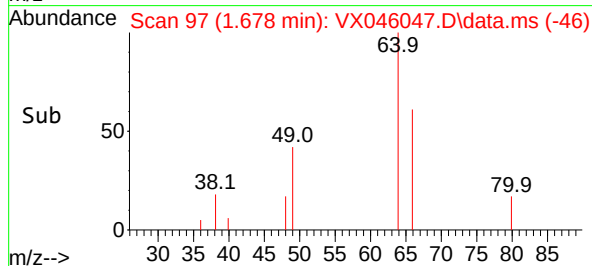
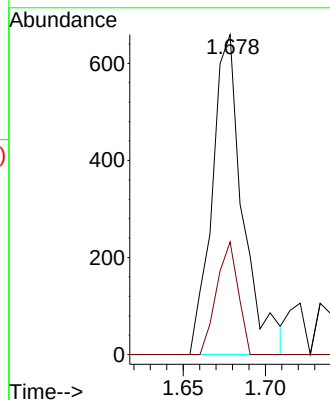
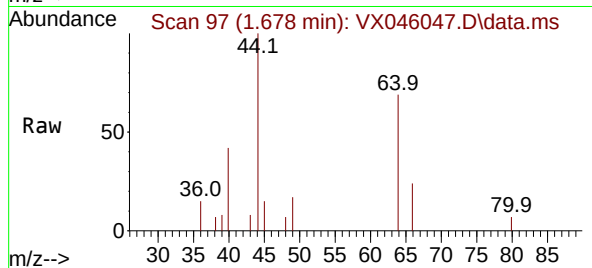
#6
Chloroethane
Concen: 0.951 ug/l
RT: 1.678 min Scan# 91
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 64 Resp: 859
Ion Ratio Lower Upper
64 100
66 35.2 24.3 36.5

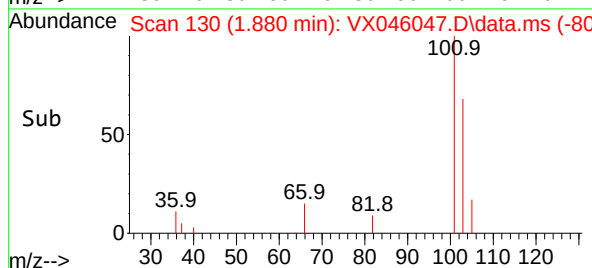
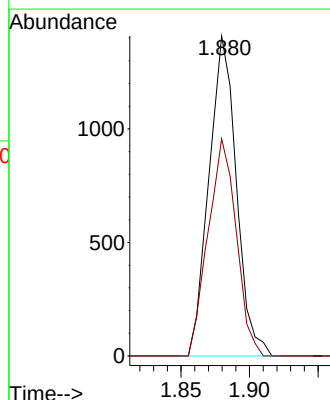
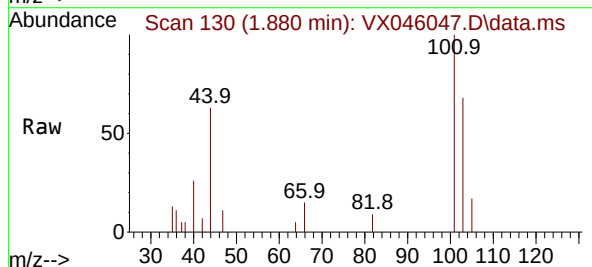
Manual Integrations
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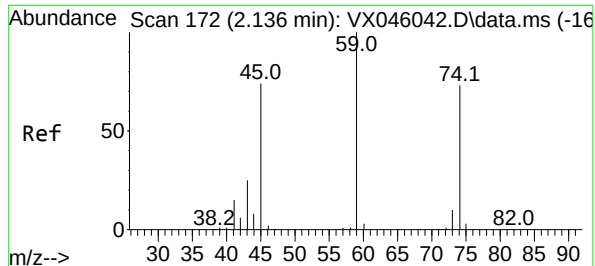
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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





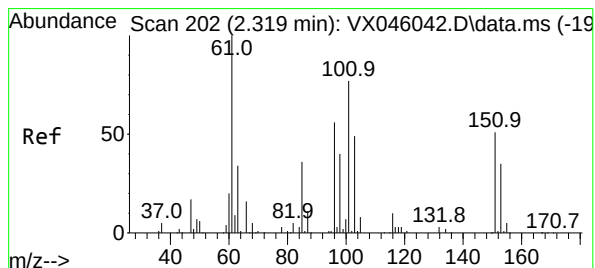
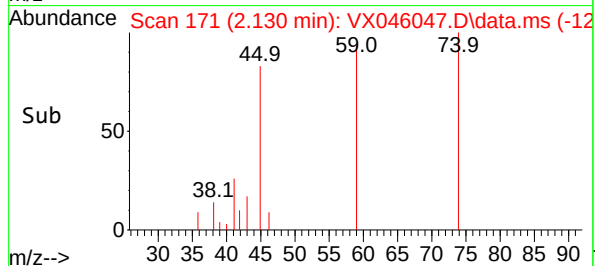
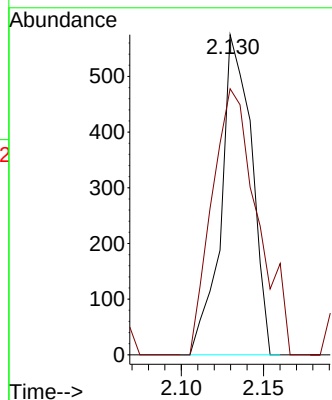
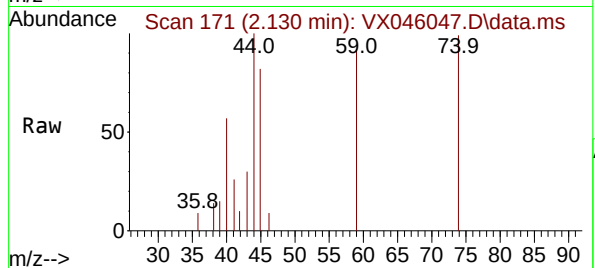
#8
Diethyl Ether
Concen: 0.845 ug/l
RT: 2.130 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 74 Resp: 74
Ion Ratio Lower Upper
74 100
45 123.6 54.9 164.8

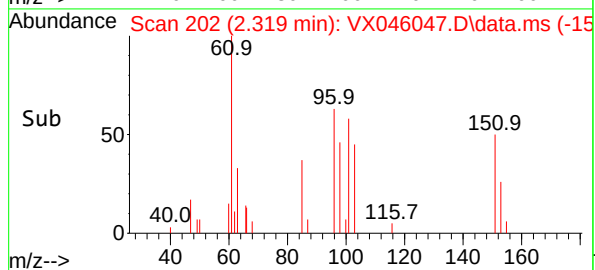
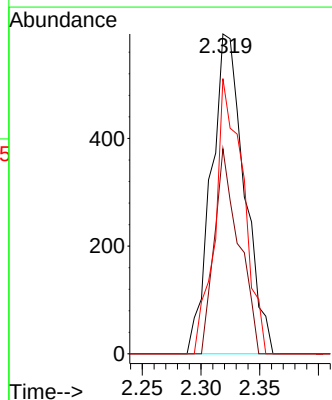
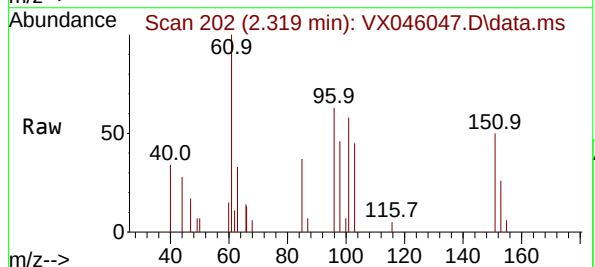
Manual Integrations
APPROVED

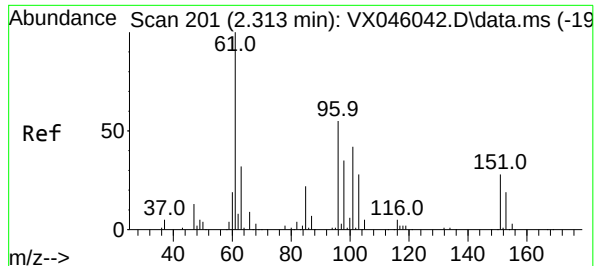
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

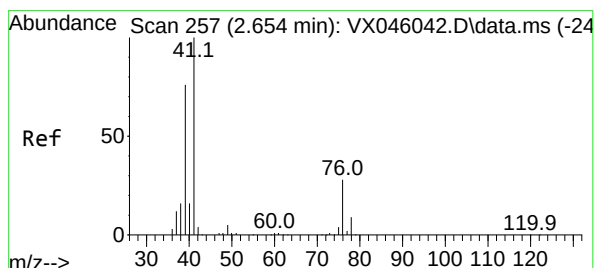
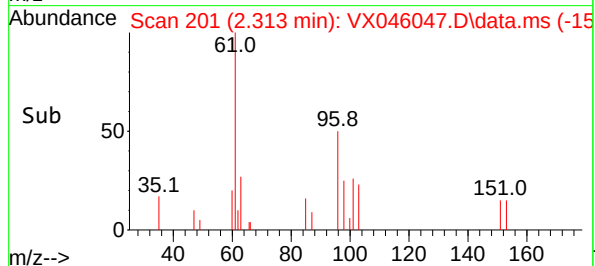
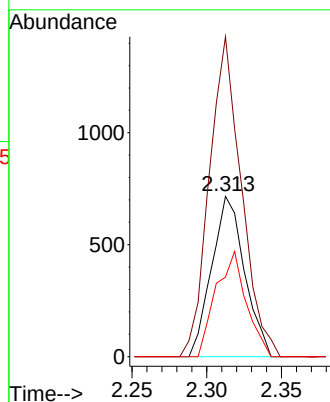
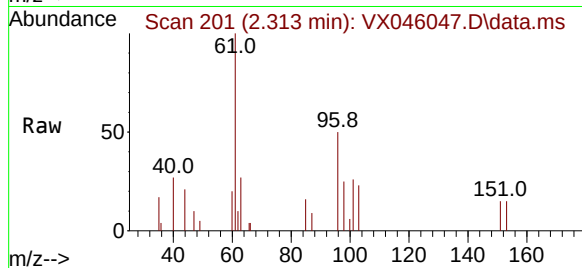
Tgt Ion:	96	Resp:	109
Ion	Ratio	Lower	Upper
96	100		
61	199.6	146.2	219.2
98	49.6	51.0	76.6

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

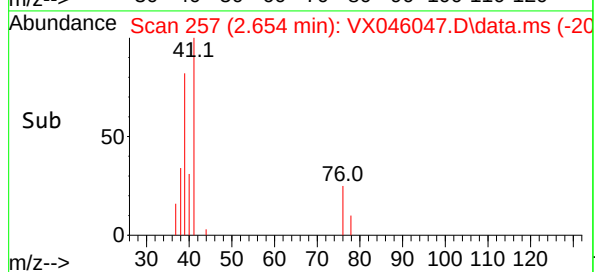
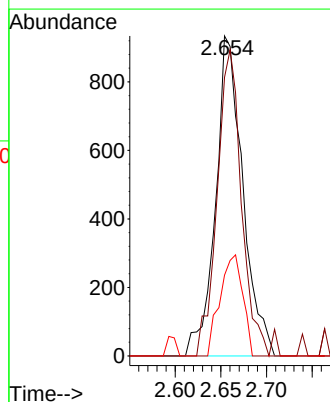
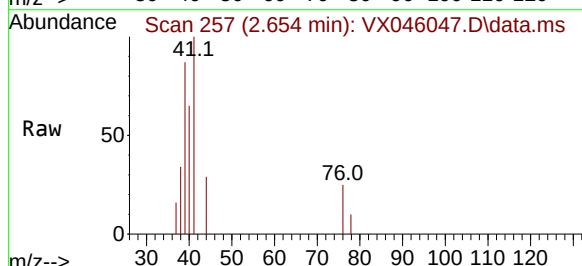
RT: 2.654 min Scan# 257

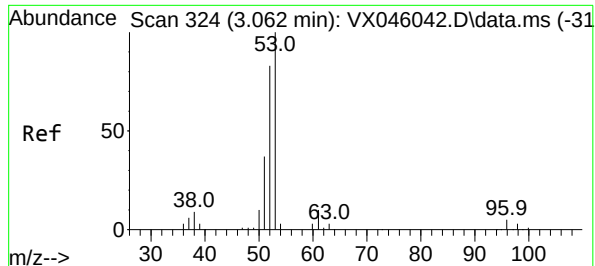
Delta R.T. -0.000 min

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

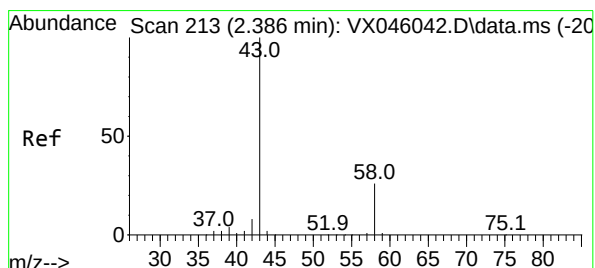
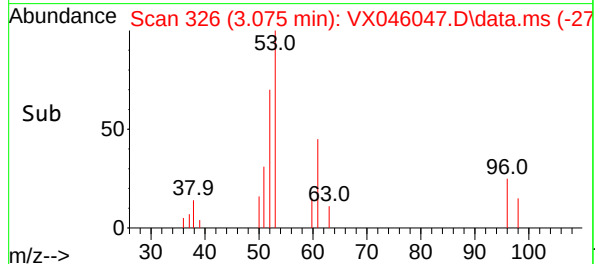
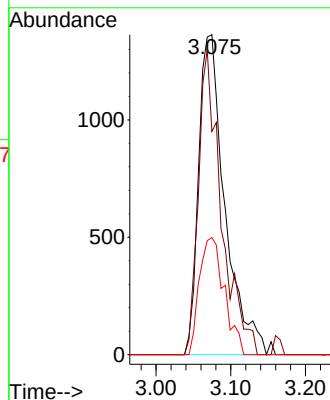
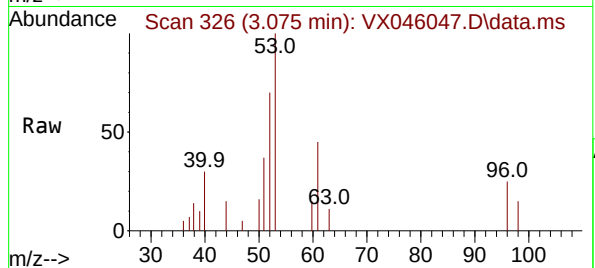
Tgt Ion: 53	Resp: 334
Ion Ratio	Lower Upper
53 100	
52 82.9	65.3 97.9
51 34.4	29.8 44.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#16

Acetone

Concen: 3.736 ug/l

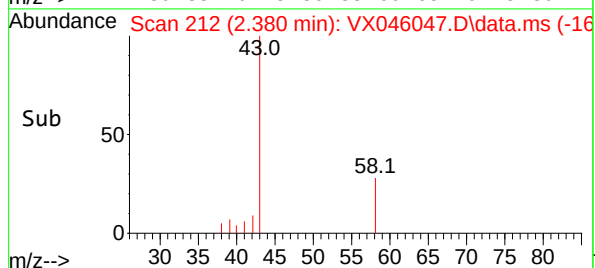
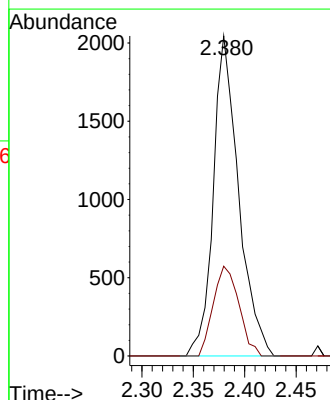
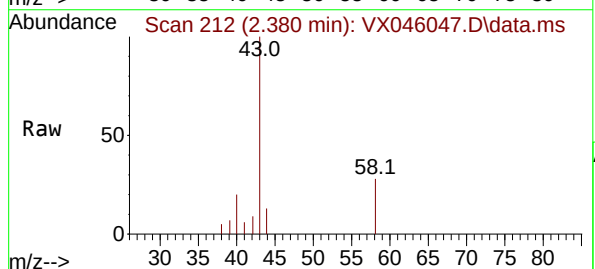
RT: 2.380 min Scan# 212

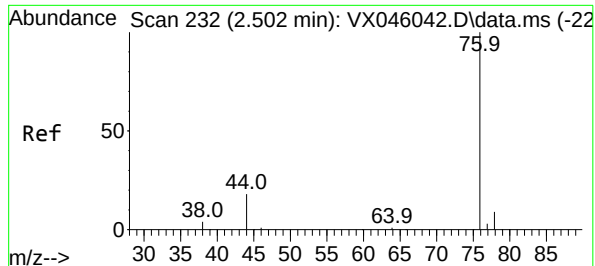
Delta R.T. -0.006 min

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

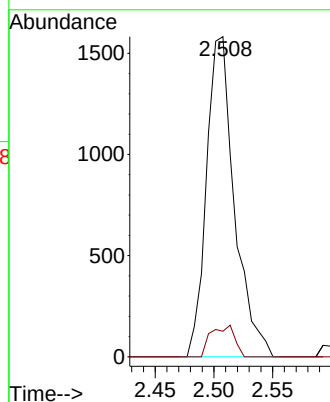
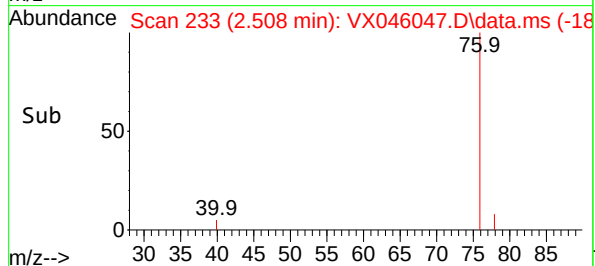
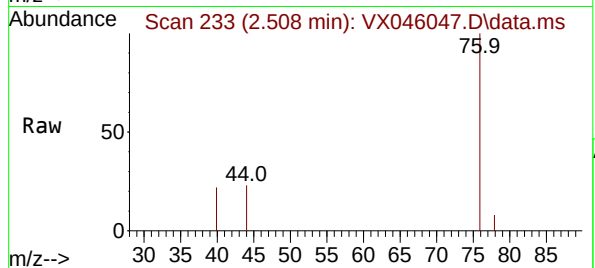
Acq: 05 May 2025 16:27

Tgt Ion: 76 Resp: 2619

Ion Ratio Lower Upper

76 100

78 8.0 7.0 10.4



Instrument :

MSVOA_X

ClientSampleId :

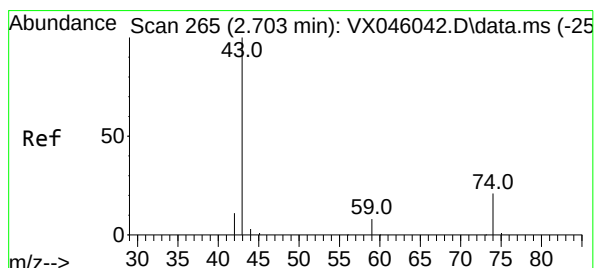
VSTDIC001

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

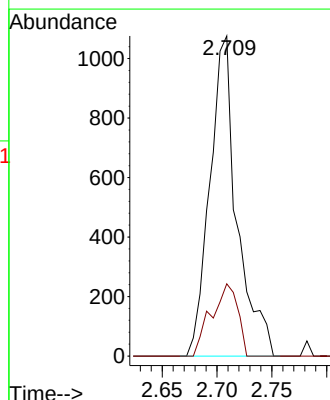
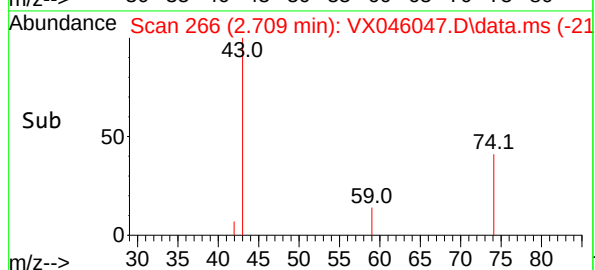
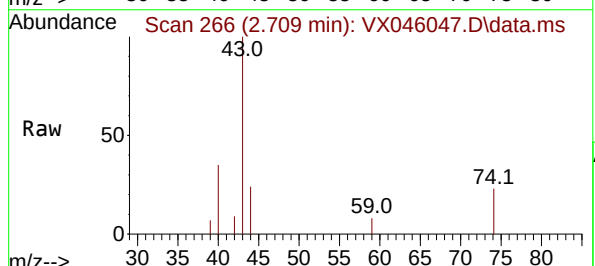
Acq: 05 May 2025 16:27

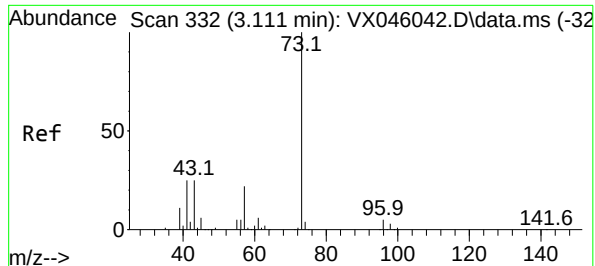
Tgt Ion: 43 Resp: 1852

Ion Ratio Lower Upper

43 100

74 22.0 16.7 25.1





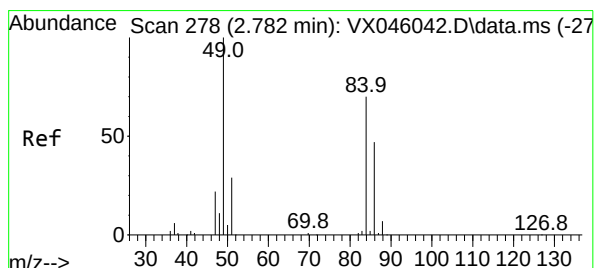
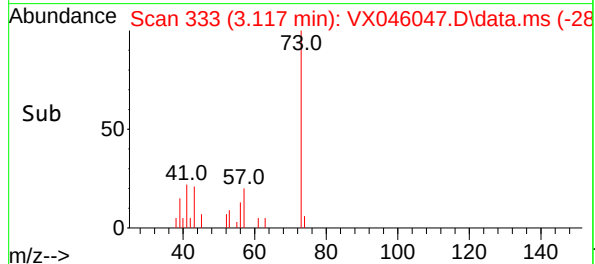
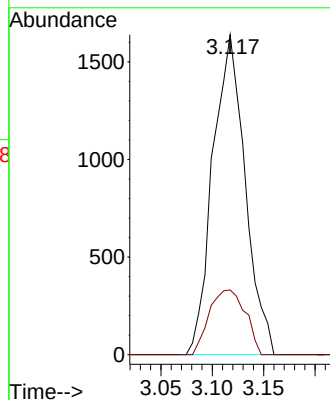
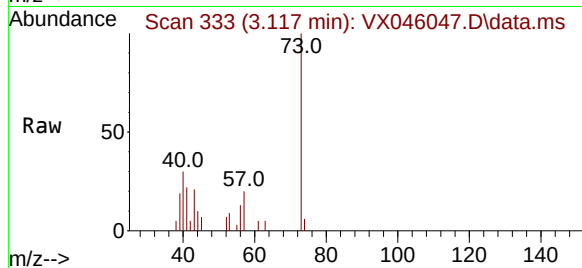
#19
Methyl tert-butyl Ether
Concen: 0.662 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tgt Ion: 73 Resp: 3588
Ion Ratio Lower Upper
73 100
57 20.3 17.7 26.5

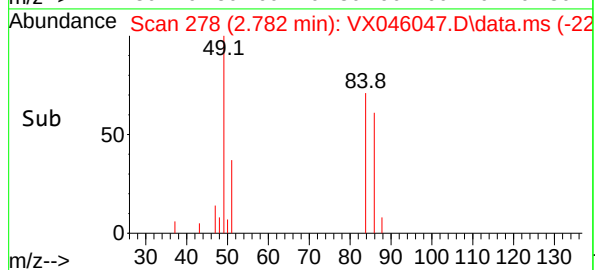
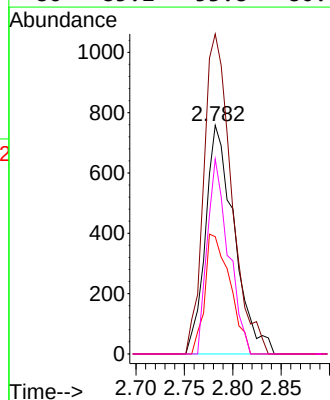
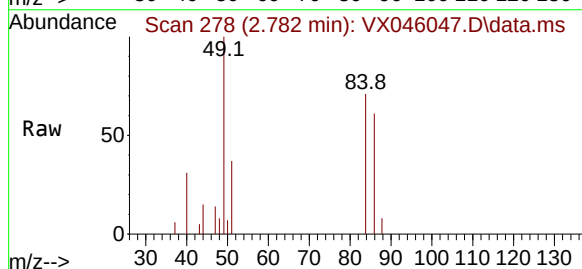
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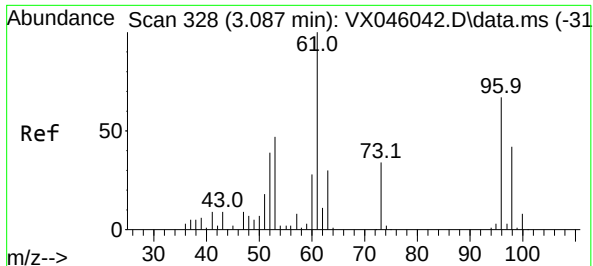
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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# 31

Delta R.T. -0.006 min

Lab File: VX046047.D

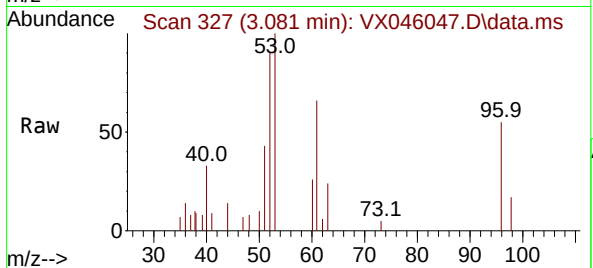
Acq: 05 May 2025 16:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001



Tgt Ion: 96 Resp: 111

Ion Ratio Lower Upper

96 100

61 119.0 119.5 179.3

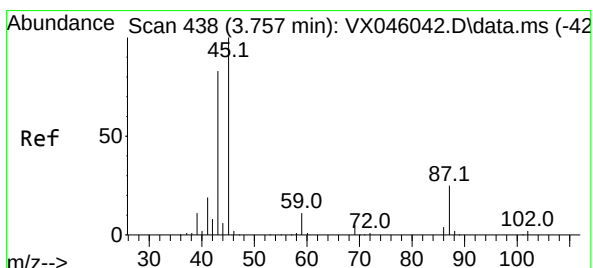
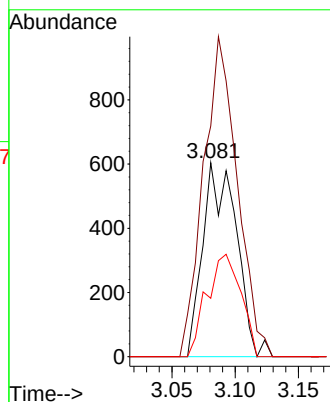
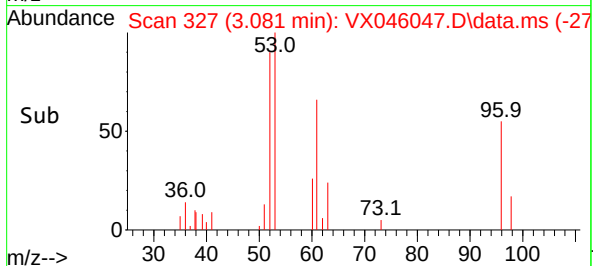
98 30.1 50.0 75.0

Manual Integrations

APPROVED

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

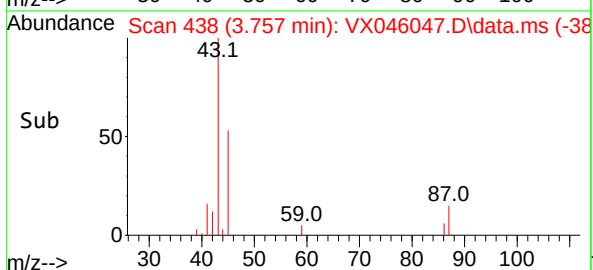
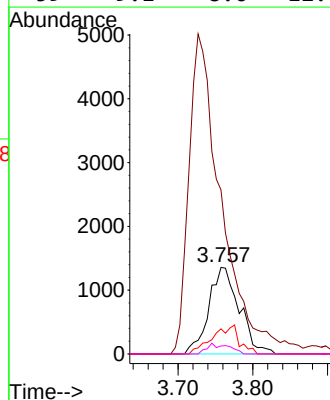
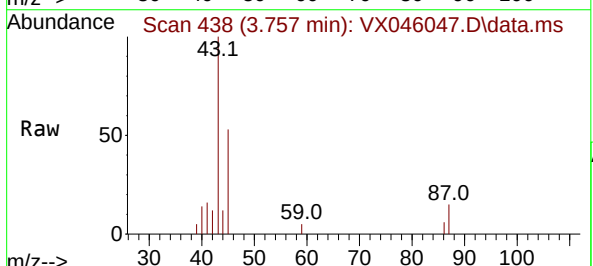
Ion Ratio Lower Upper

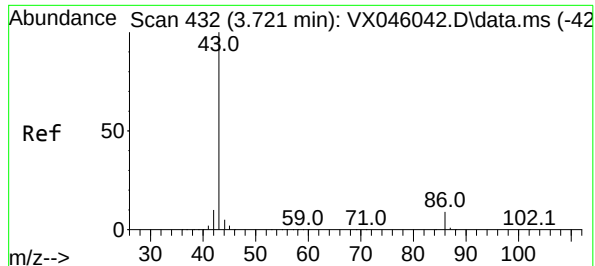
45 100

43 176.2 66.6 100.0

87 28.9 19.8 29.6

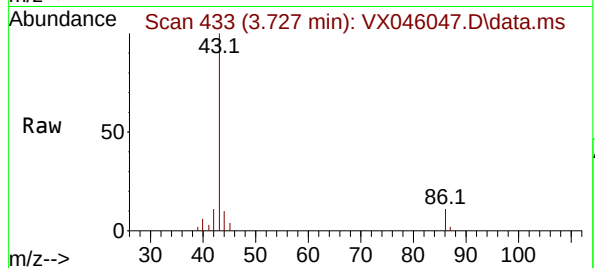
59 9.1 8.6 12.8





#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

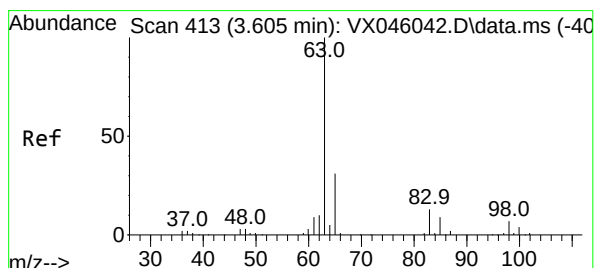
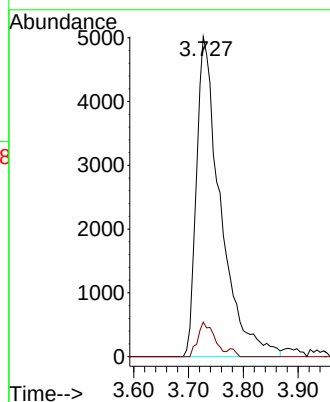
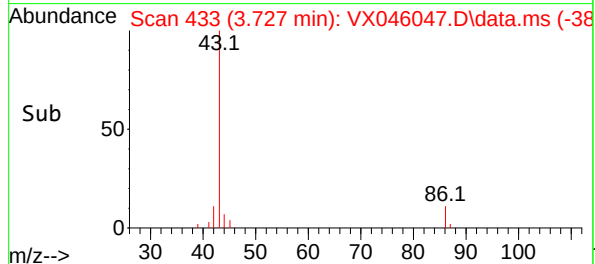
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001



Tgt Ion: 43 Resp: 1528
Ion Ratio Lower Upper
43 100
86 10.8 7.5 11.3

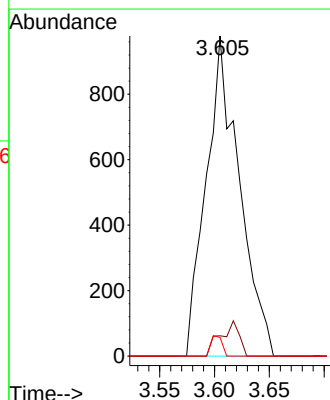
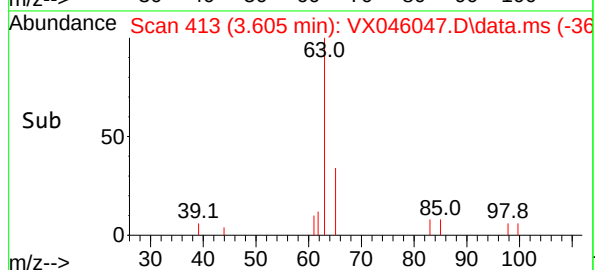
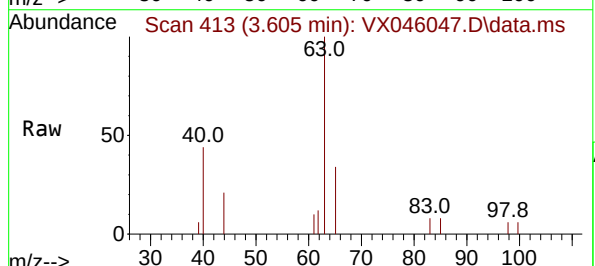
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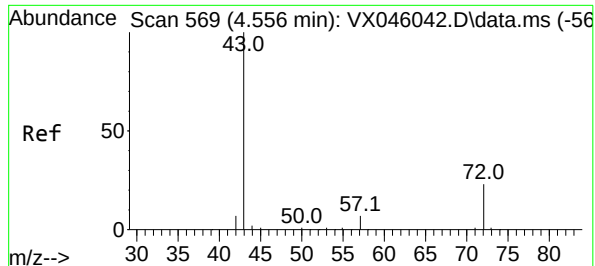
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

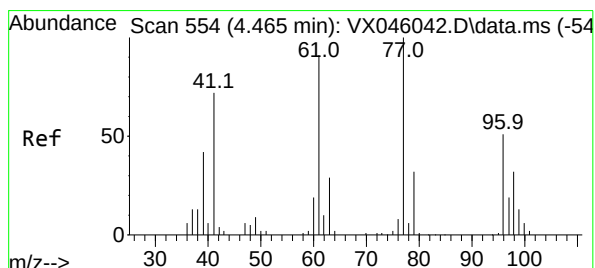
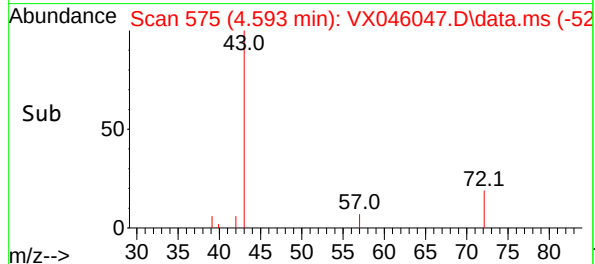
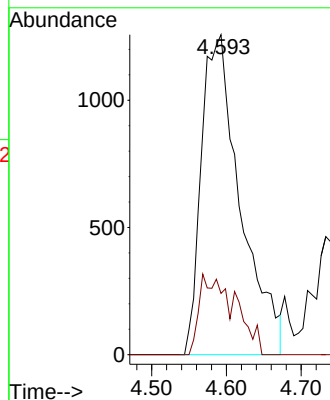
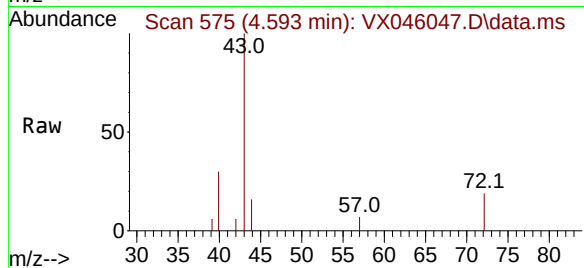
72 19.2 18.4 27.6

Manual Integrations

APPROVED

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

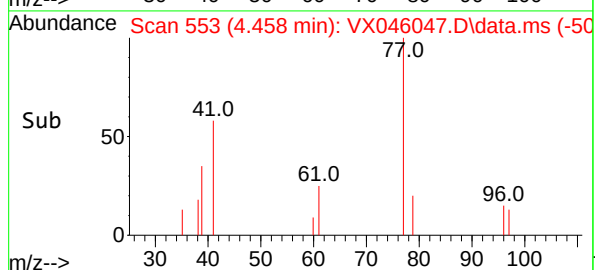
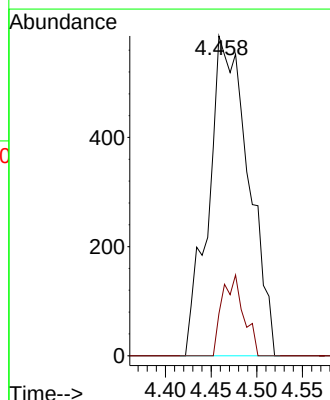
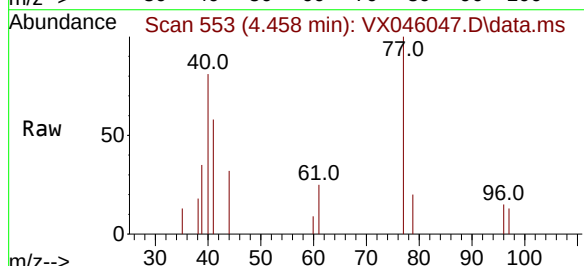
Acq: 05 May 2025 16:27

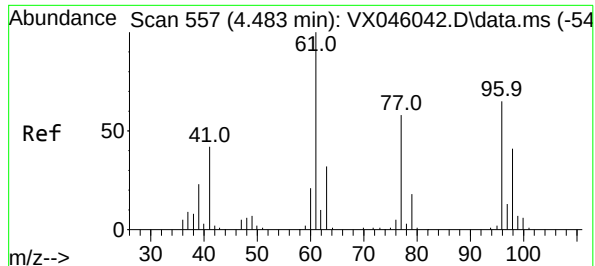
Tgt Ion: 77 Resp: 1777

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

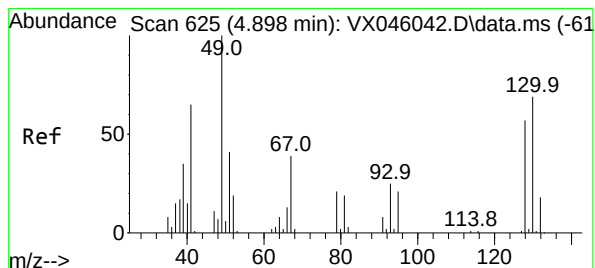
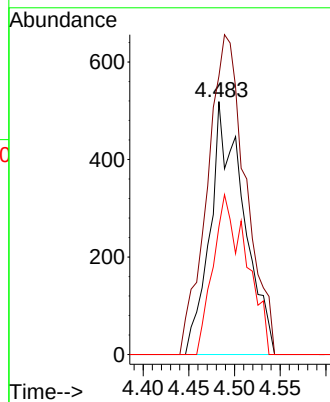
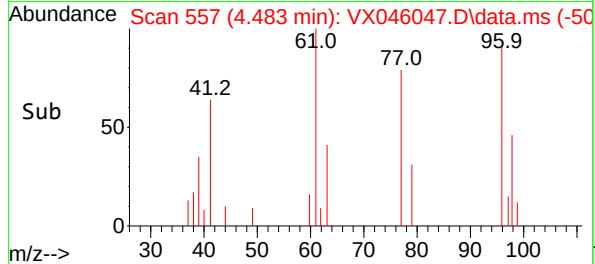
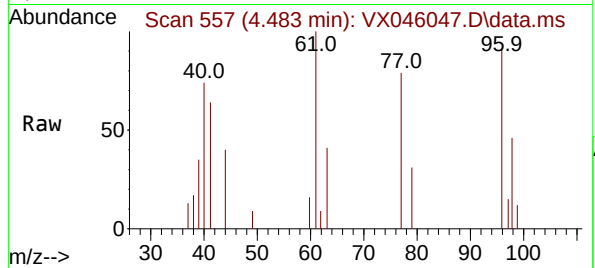
98 63.1 0.0 129.0

Manual Integrations

APPROVED

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

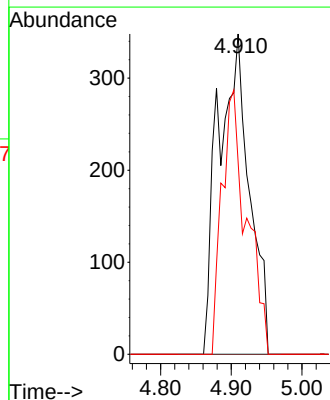
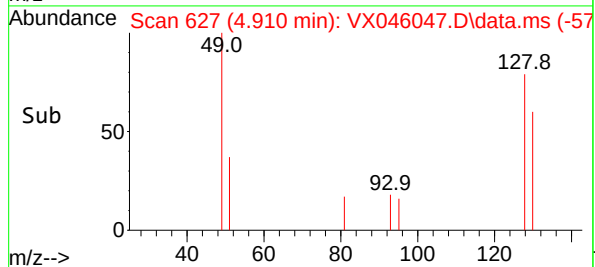
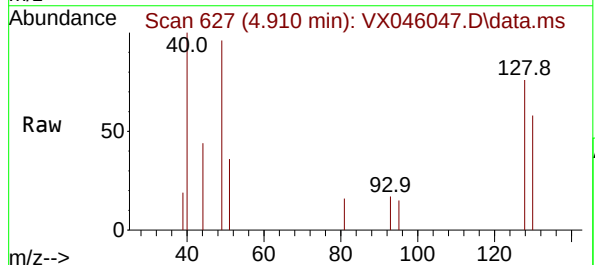
Tgt Ion: 49 Resp: 1061

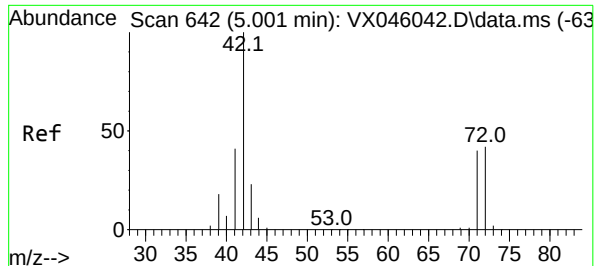
Ion Ratio Lower Upper

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

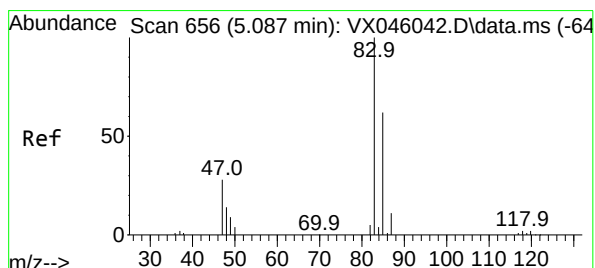
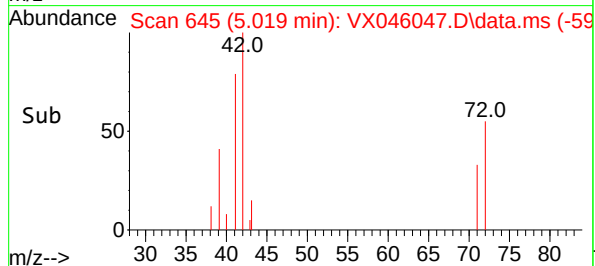
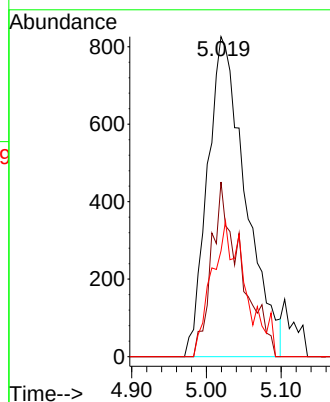
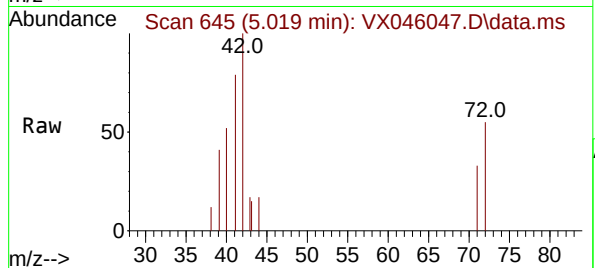
71 37.7 31.4 47.2

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

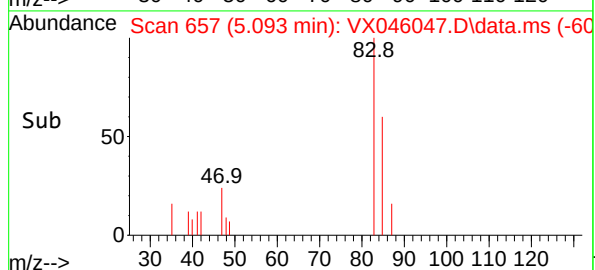
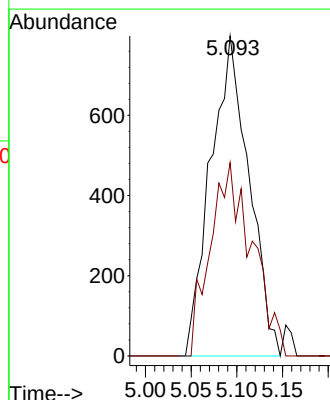
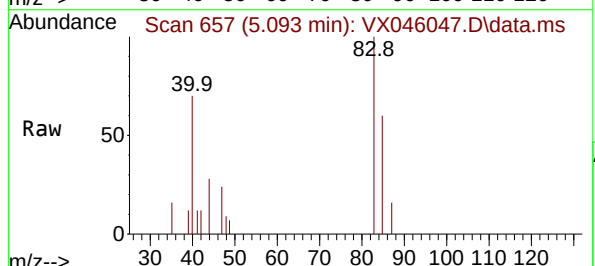
Acq: 05 May 2025 16:27

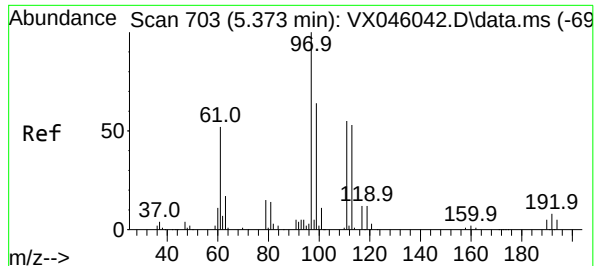
Tgt Ion: 83 Resp: 2328

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 :

VSTDIC001

Tgt Ion: 97 Resp: 1869

Ion Ratio Lower Upper

97 100

99 0.0 51.8 77.6

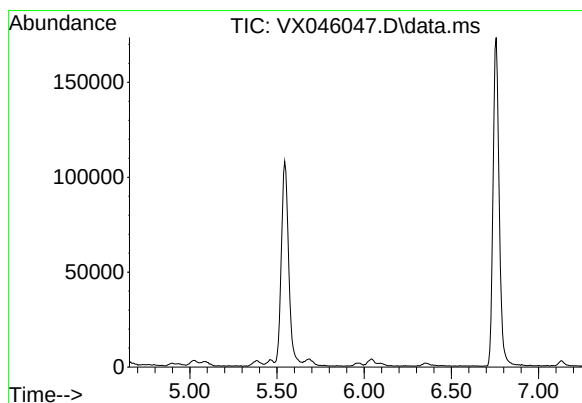
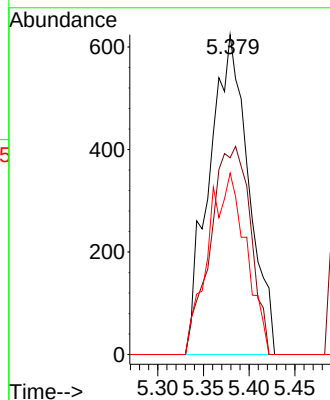
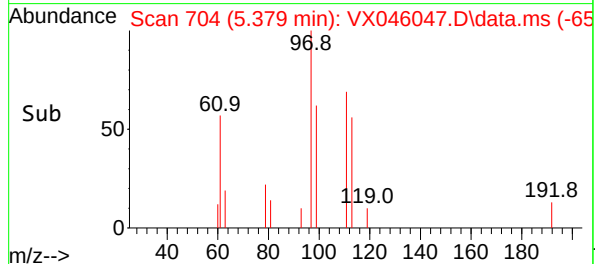
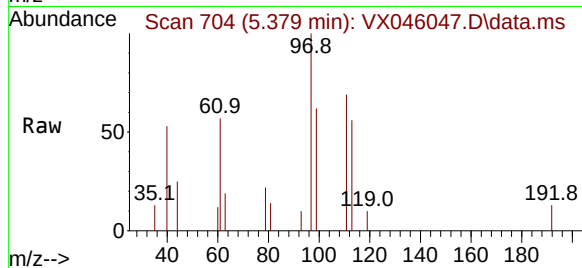
61 55.0 40.1 60.1

Manual Integrations

APPROVED

Reviewed By :John Carbone 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

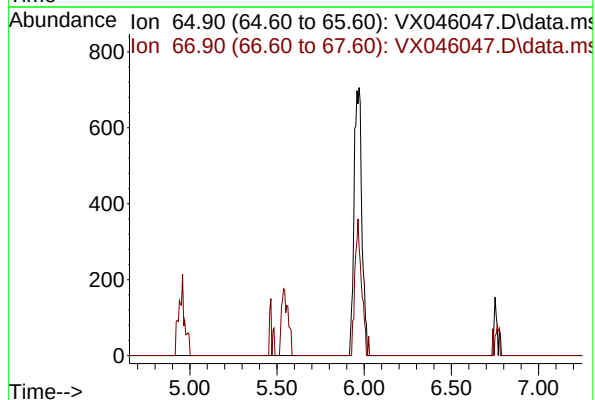
Acq: 05 May 2025 16:27

Tgt Ion: 65

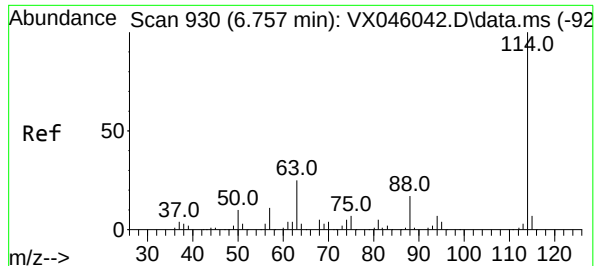
Sig Exp Ratio

65 100

67 49.5



Ion 66.90 (66.60 to 67.60): VX046047.D\data.ms



#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

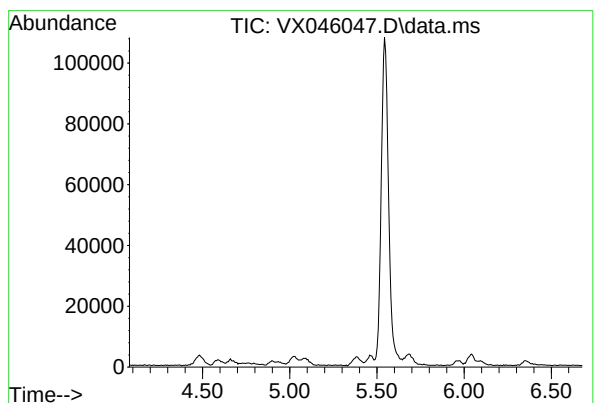
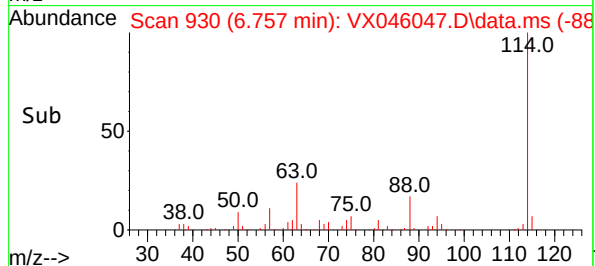
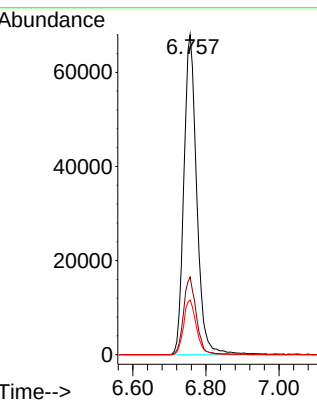
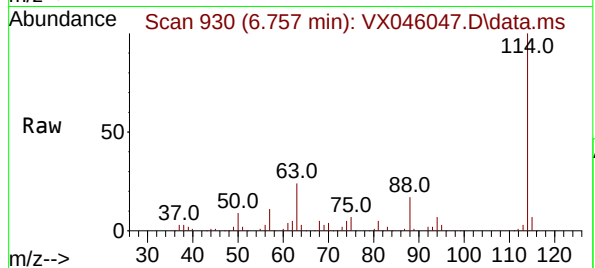
88 17.1 0.0 33.6

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

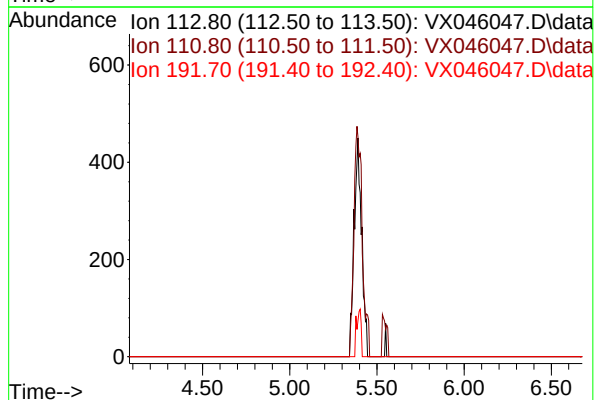
Tgt Ion: 113

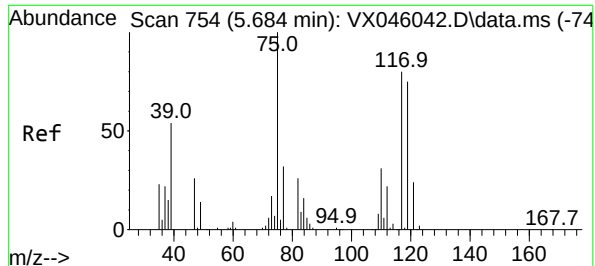
Sig Exp Ratio

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

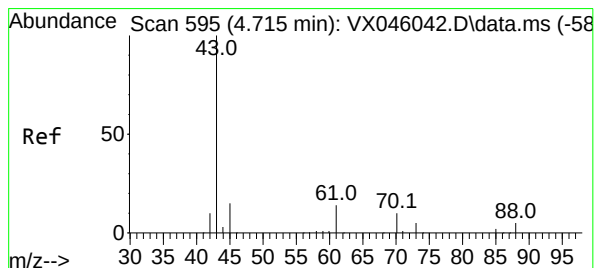
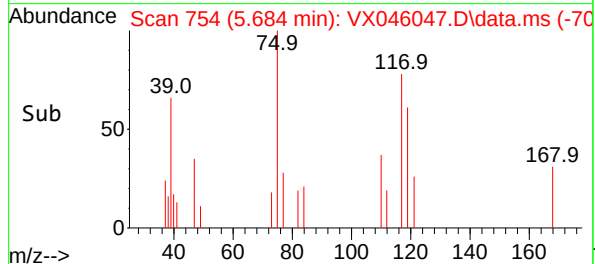
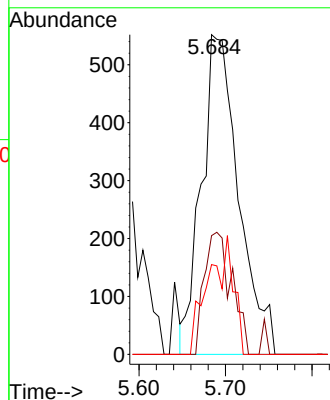
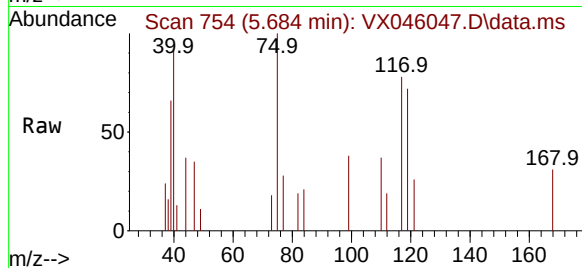
Tgt Ion:	75	Resp:	164
Ion	Ratio	Lower	Upper
75	100		
110	28.2	16.3	48.9
77	15.8	24.3	36.5

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

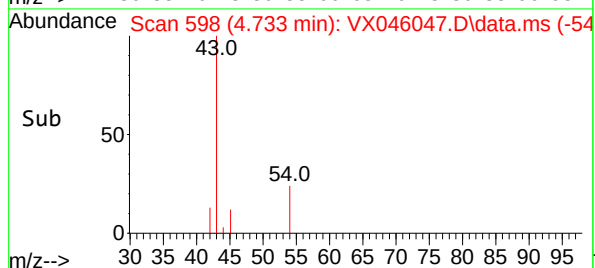
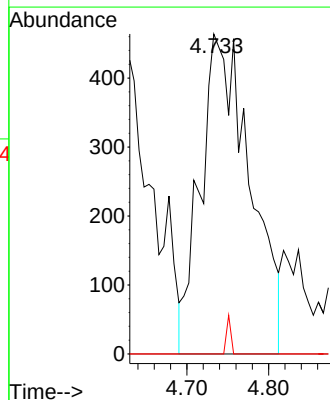
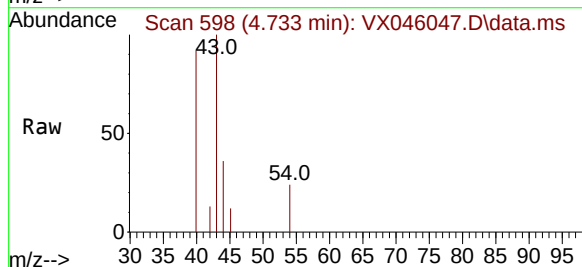
RT: 4.733 min Scan# 598

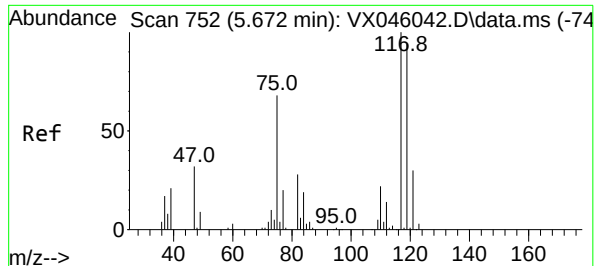
Delta R.T. 0.018 min

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

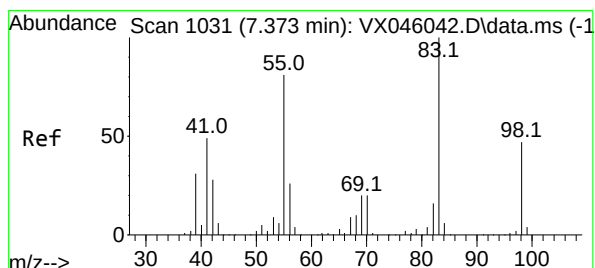
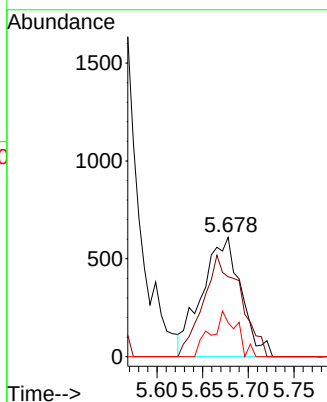
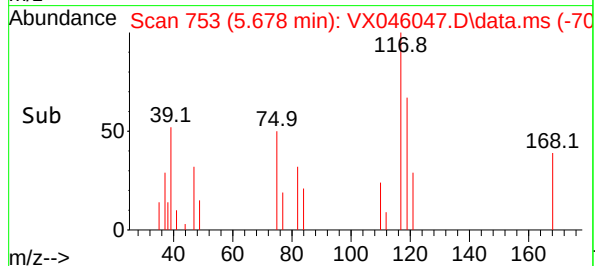
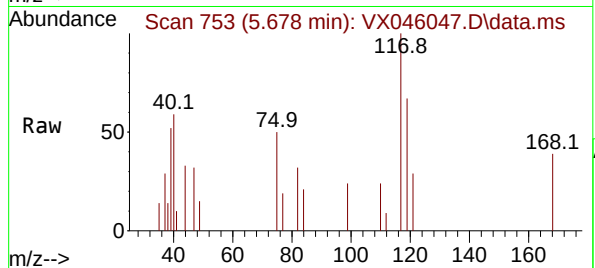
121 28.5 24.2 36.4

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

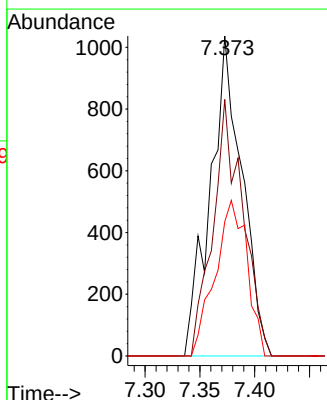
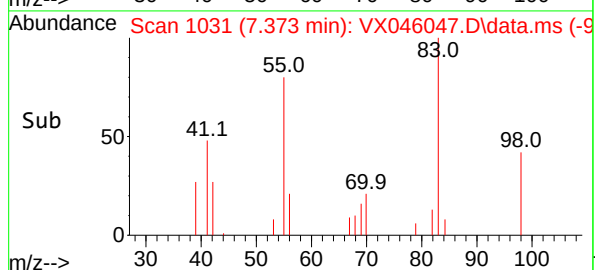
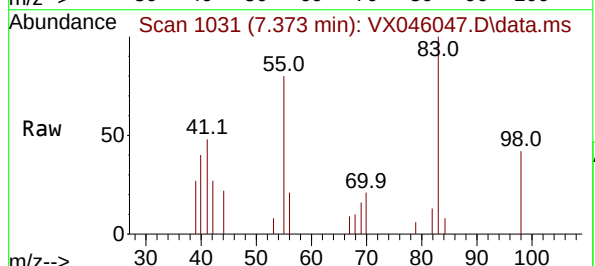
Tgt Ion: 83 Resp: 2096

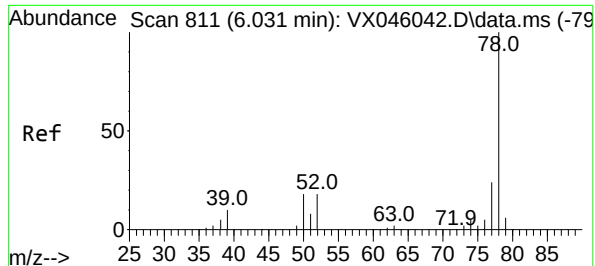
Ion Ratio Lower Upper

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

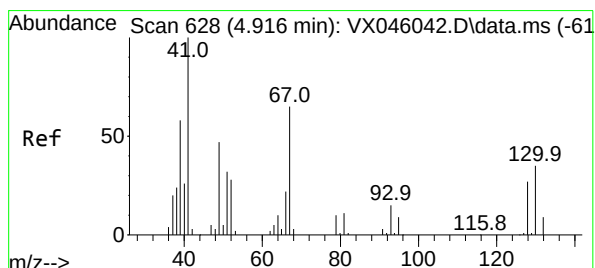
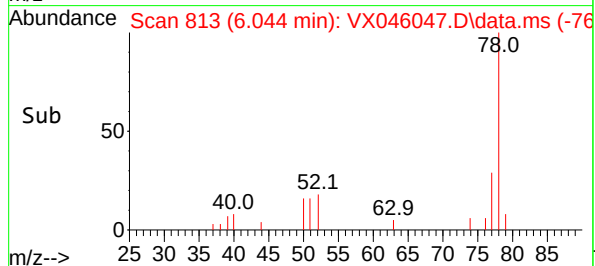
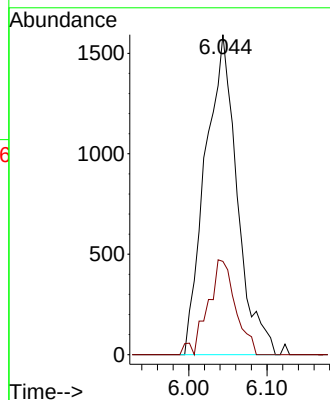
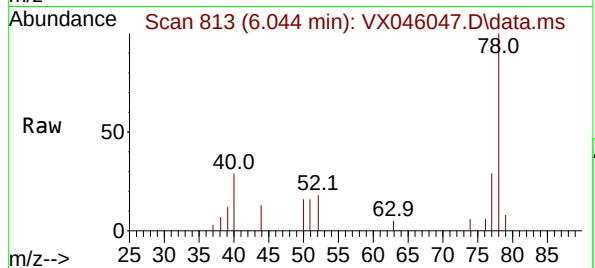
77 29.1 19.0 28.4

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

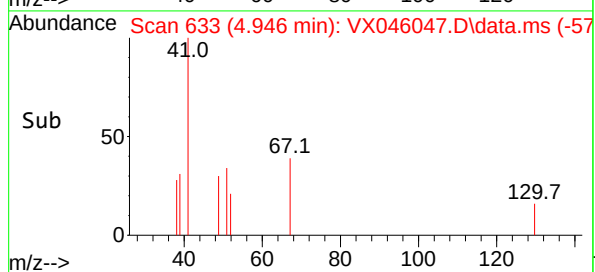
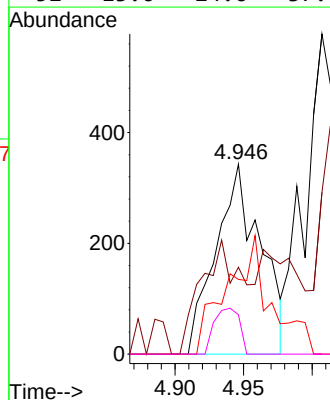
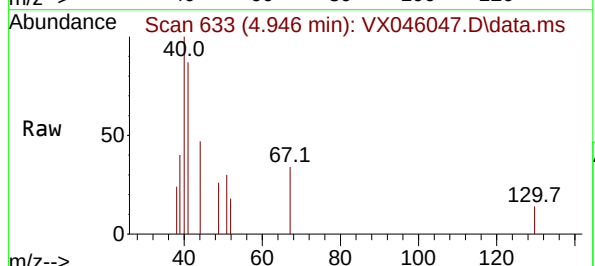
Ion Ratio Lower Upper

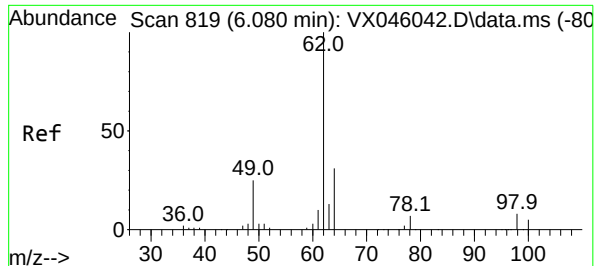
41 100

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 :

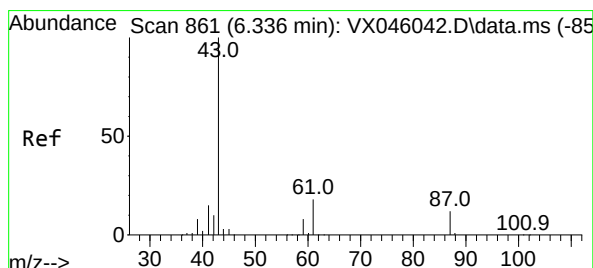
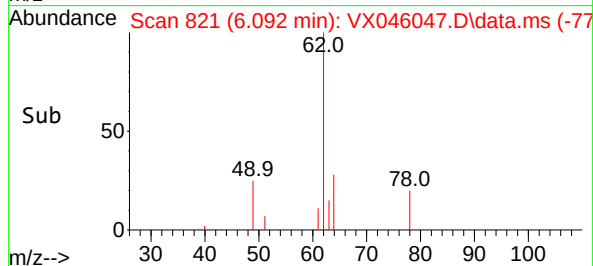
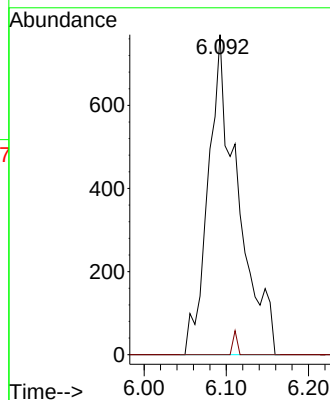
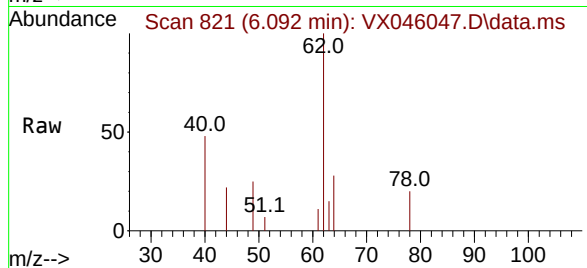
VSTDIC001

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

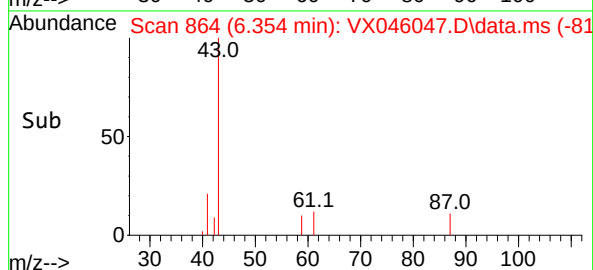
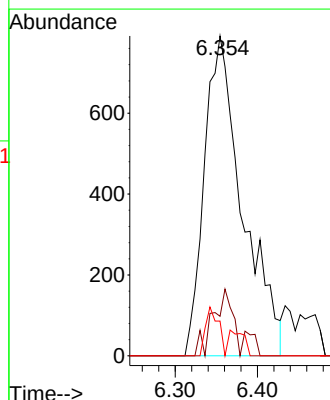
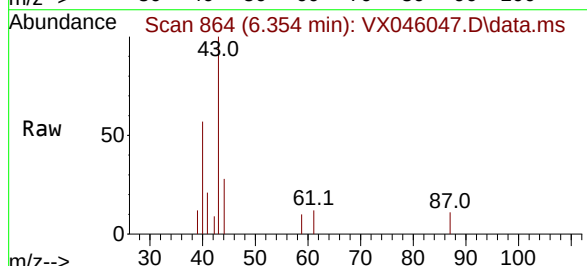
RT: 6.354 min Scan# 864

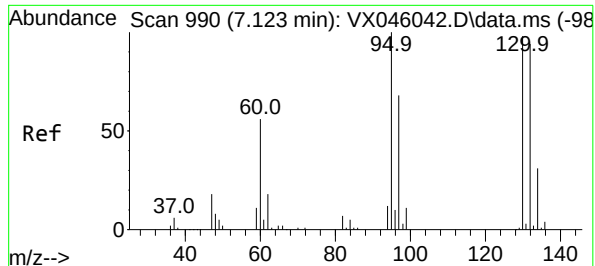
Delta R.T. 0.018 min

Lab File: VX046047.D

Acq: 05 May 2025 16:27

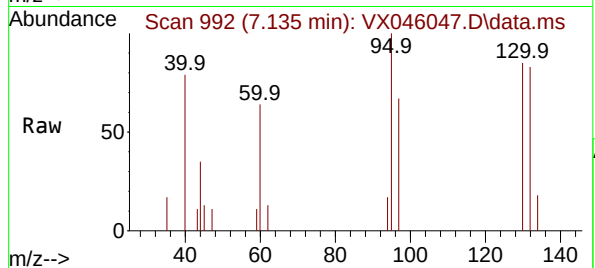
Tgt Ion: 43 Resp: 2553
Ion Ratio Lower Upper
43 100
61 10.7 14.3 21.5#
87 3.2 9.5 14.3#





#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

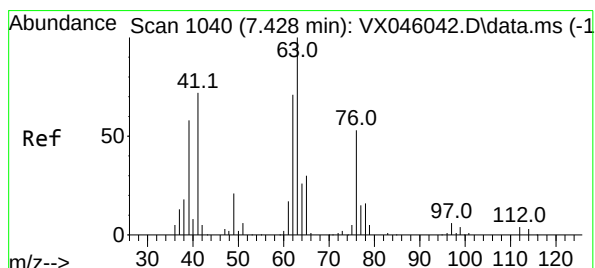
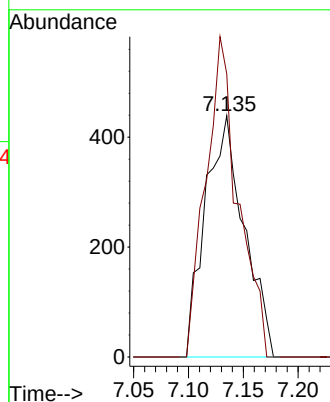
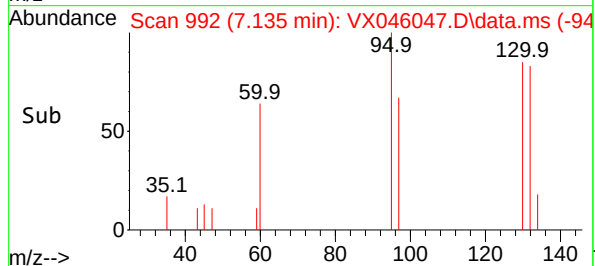
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001



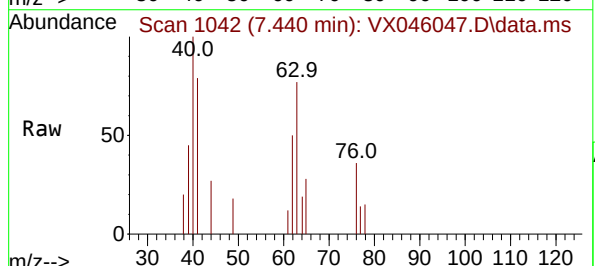
Tgt Ion:130 Resp: 1083
Ion Ratio Lower Upper
130 100
95 117.3 0.0 204.2

Manual Integrations
APPROVED

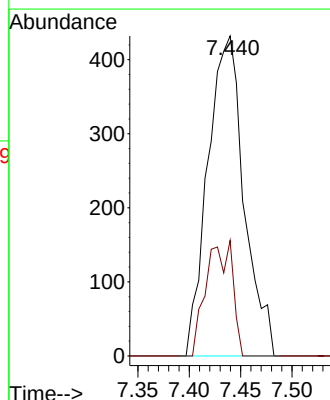
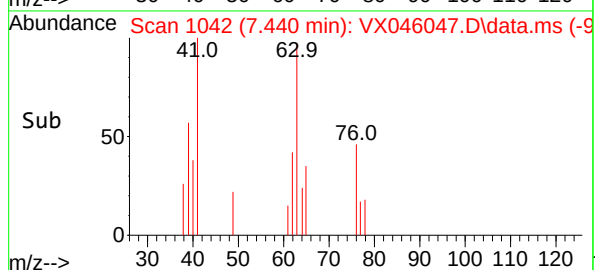
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

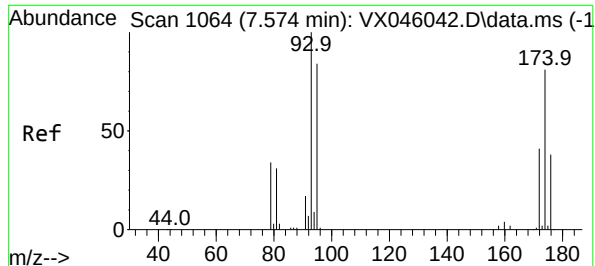


#45
1,2-Dichloropropane
Concen: 0.633 ug/l
RT: 7.440 min Scan# 1042
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27



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 :

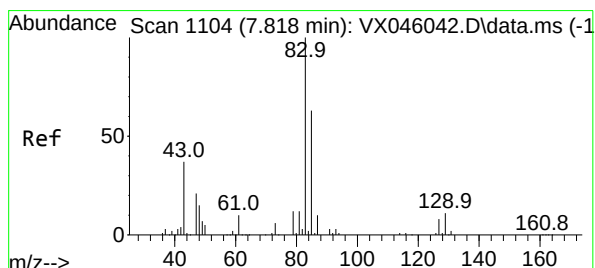
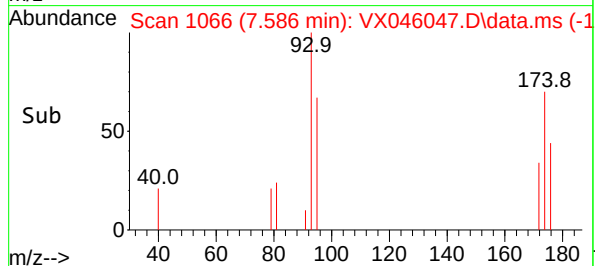
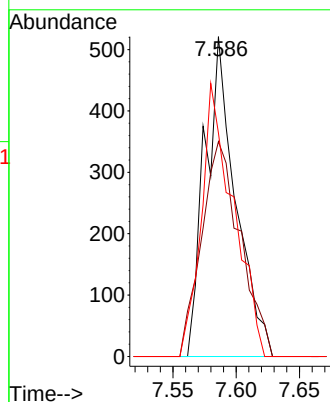
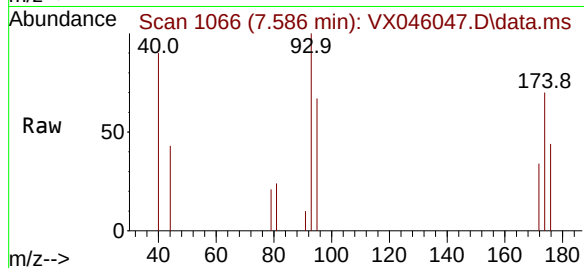
VSTDIC001

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

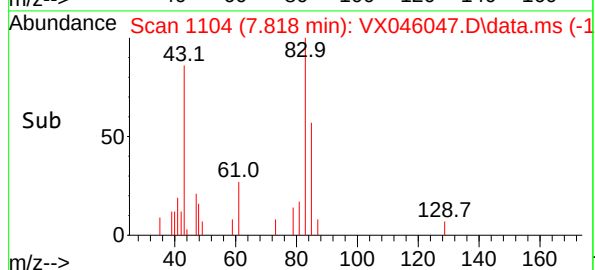
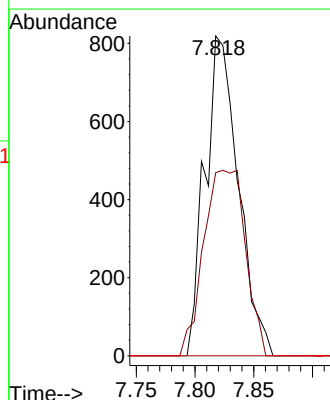
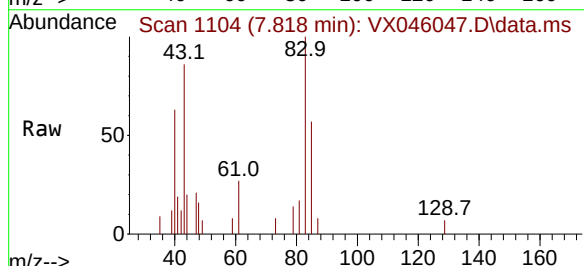
RT: 7.818 min Scan# 1104

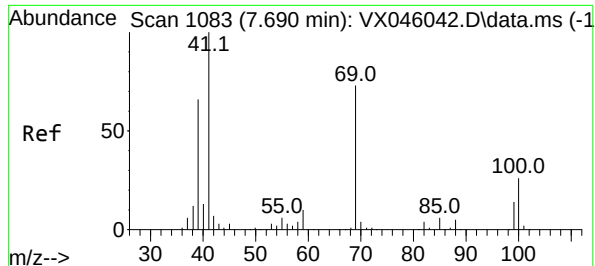
Delta R.T. -0.000 min

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# 1087

Delta R.T. 0.024 min

Lab File: VX046047.D

Acq: 05 May 2025 16:27

Instrument :

MSVOA_X

ClientSampleId :

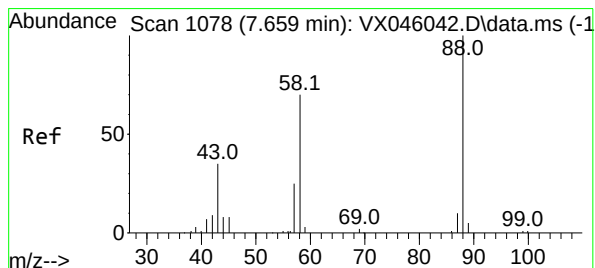
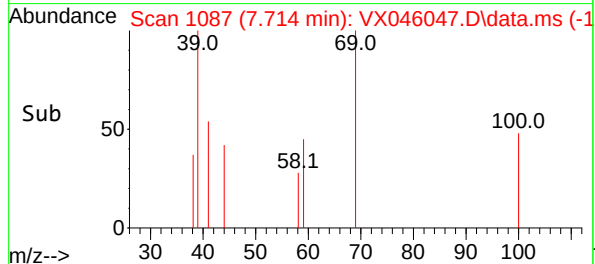
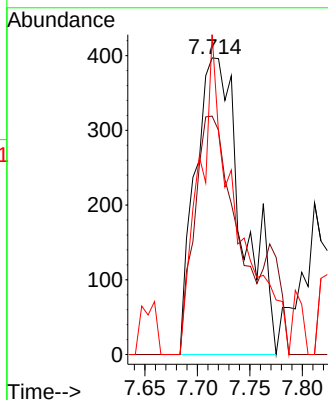
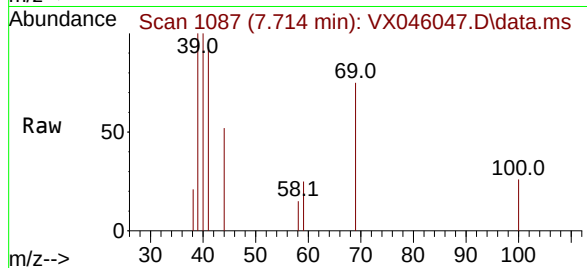
VSTDIC001

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

APPROVED

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



#49

1,4-Dioxane

Concen: 11.703 ug/l

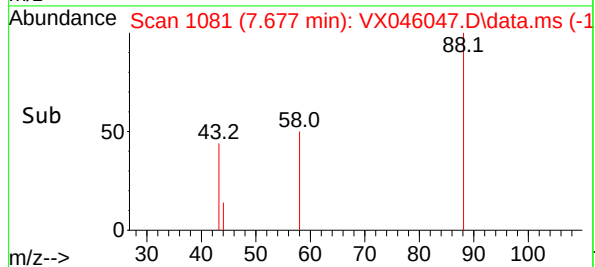
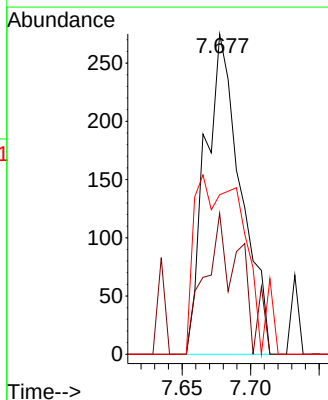
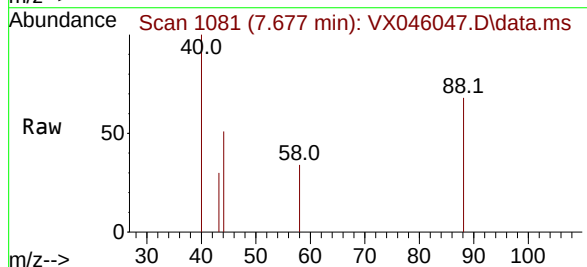
RT: 7.677 min Scan# 1081

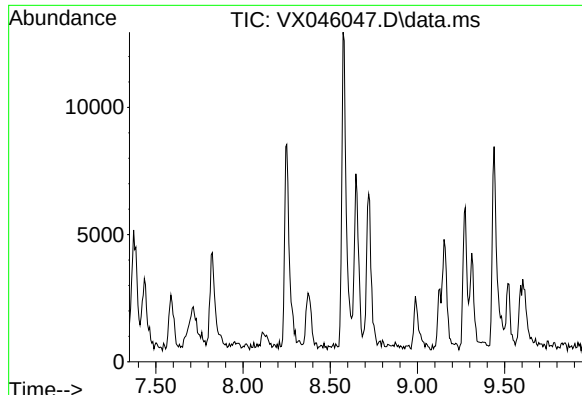
Delta R.T. 0.018 min

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

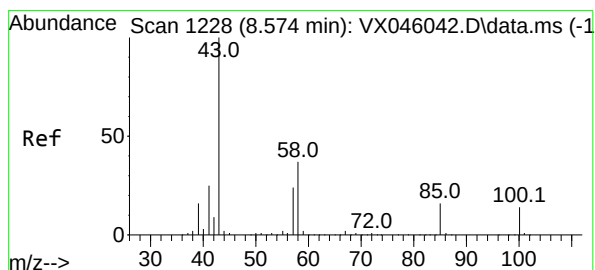
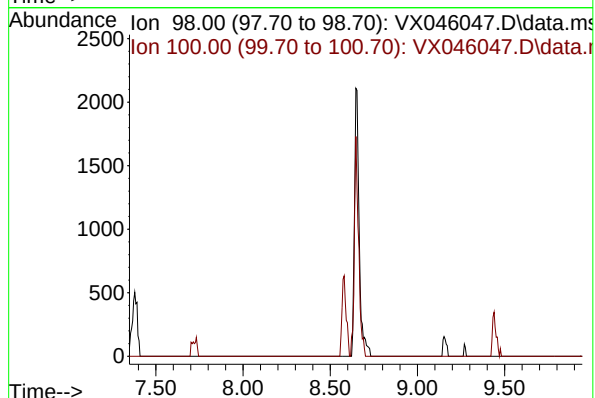
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 98
Sig Exp Ratio
98 100
100 66.9

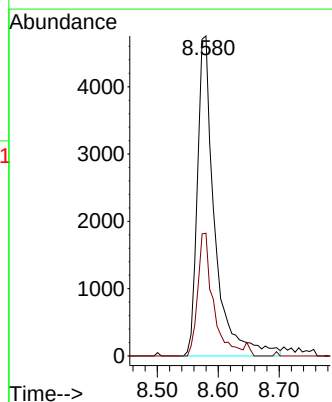
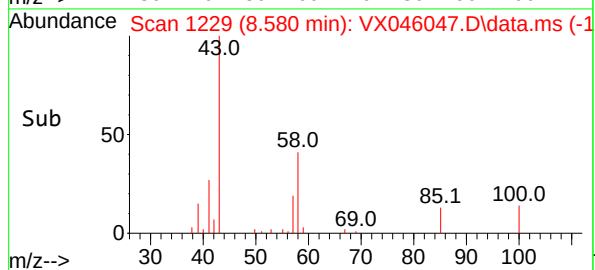
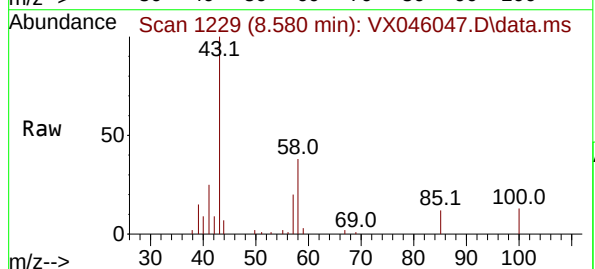
Manual Integrations
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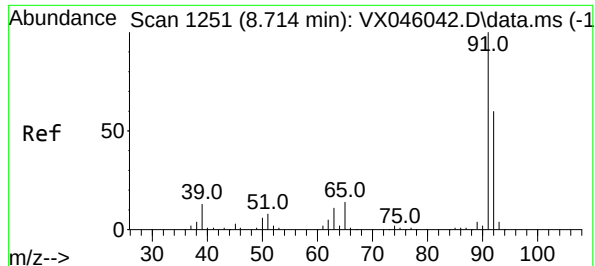
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

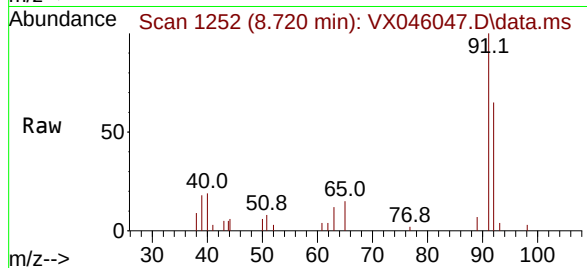
Tgt Ion: 43 Resp: 9378
Ion Ratio Lower Upper
43 100
58 34.4 28.9 43.3





#52
Toluene
Concen: 0.672 ug/l
RT: 8.720 min Scan# 1251
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

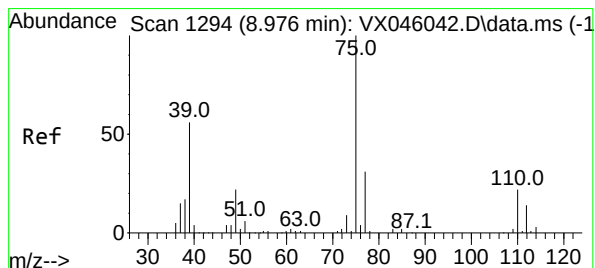
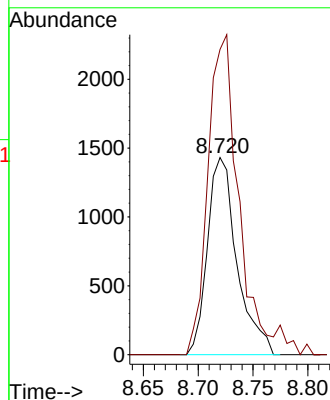
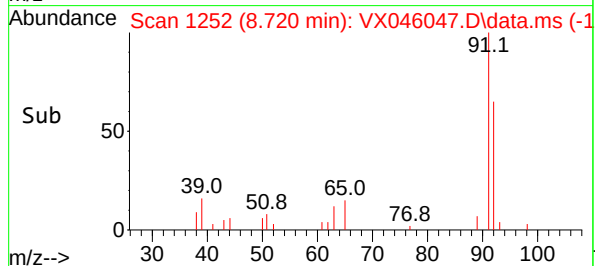
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001



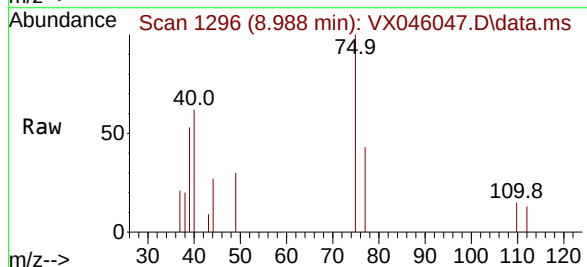
Tgt Ion: 92 Resp: 2684
Ion Ratio Lower Upper
92 100
91 165.7 136.6 205.0

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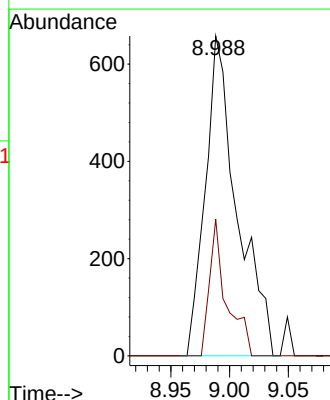
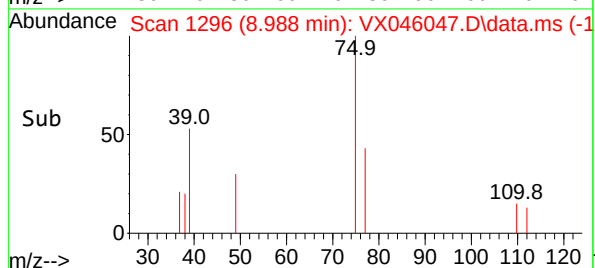
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

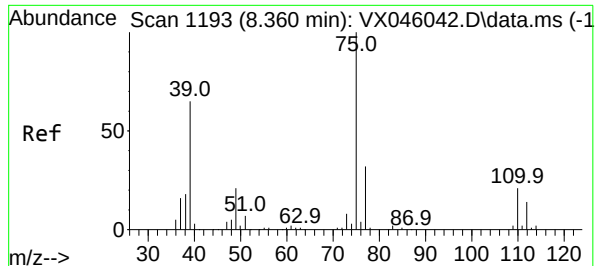


#53
t-1,3-Dichloropropene
Concen: 0.576 ug/l
RT: 8.988 min Scan# 1296
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27



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

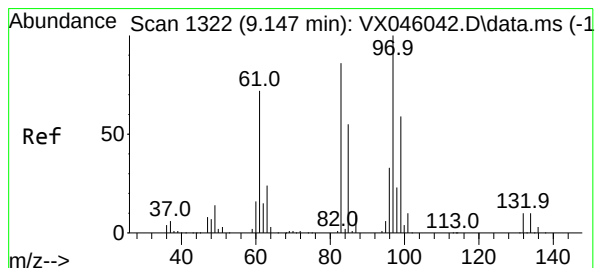
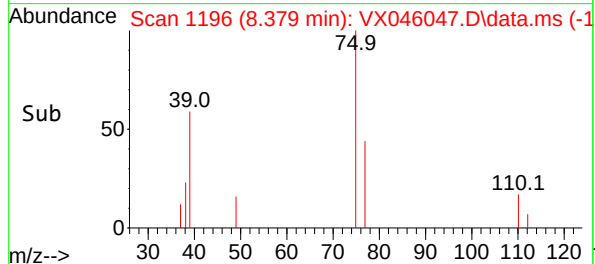
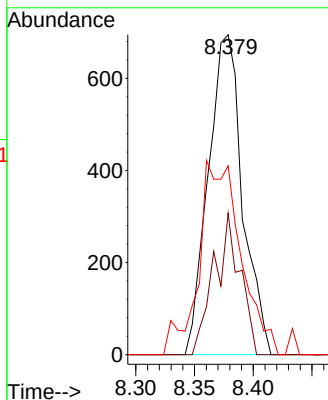
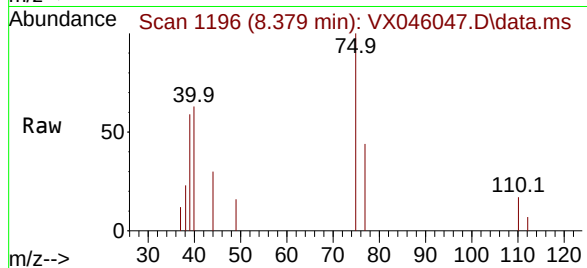
Tgt Ion: 75	Resp: 1414
Ion Ratio	Lower Upper
75 100	
77 44.2	25.4 38.0
39 59.0	52.2 78.4

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

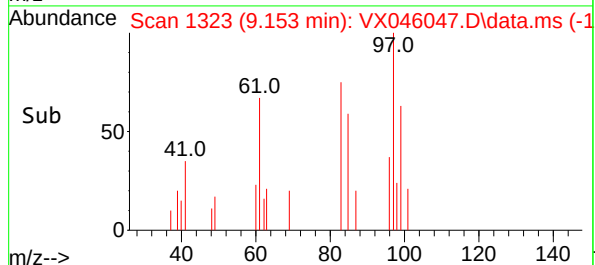
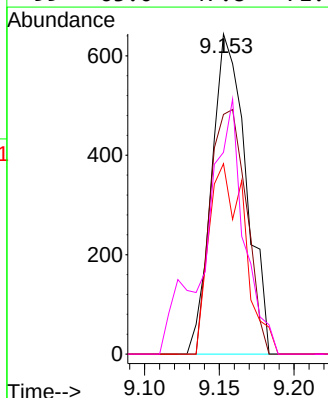
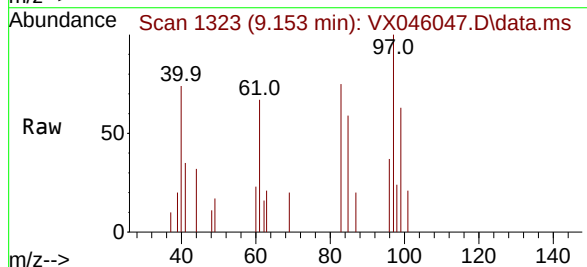
RT: 9.153 min Scan# 1323

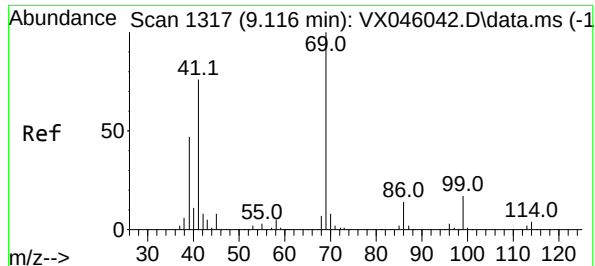
Delta R.T. 0.006 min

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

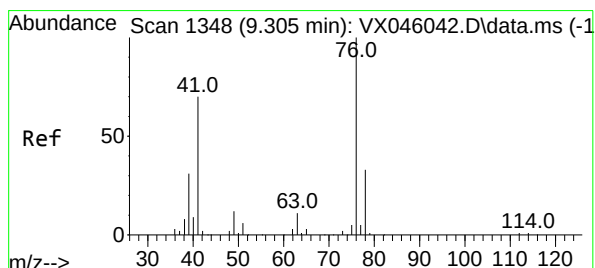
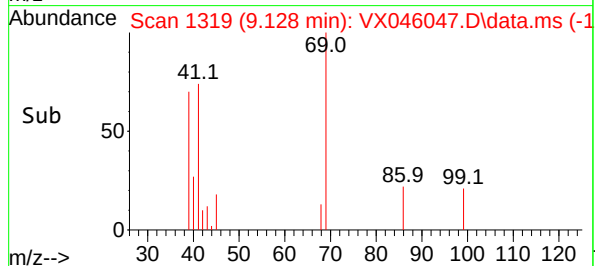
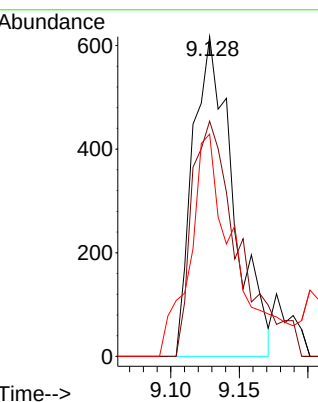
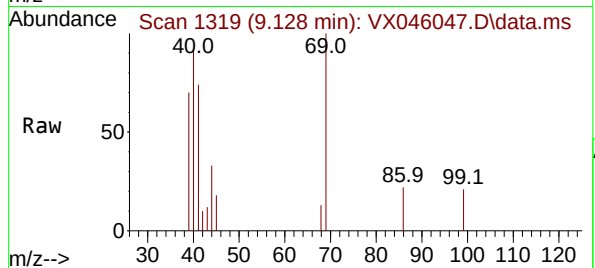
39 78.0 39.0 58.6

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

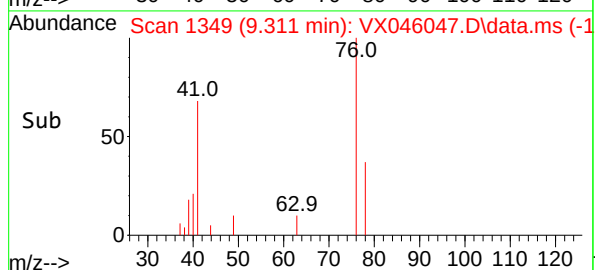
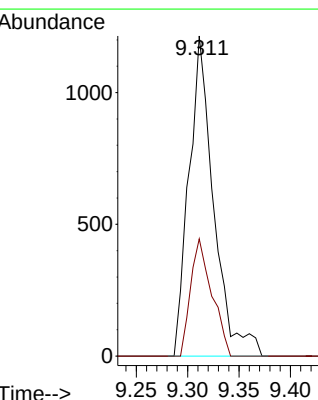
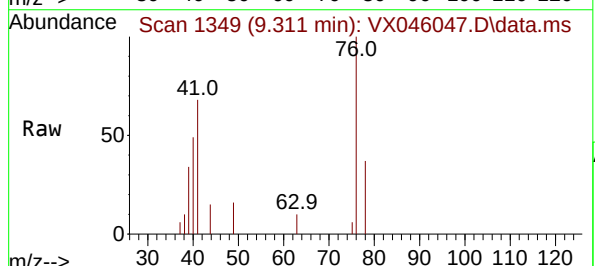
Acq: 05 May 2025 16:27

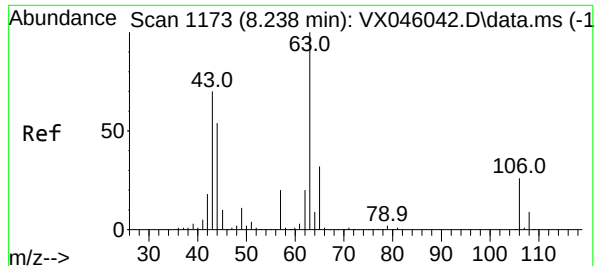
Tgt Ion: 76 Resp: 2036

Ion Ratio Lower Upper

76 100

78 31.4 26.3 39.5





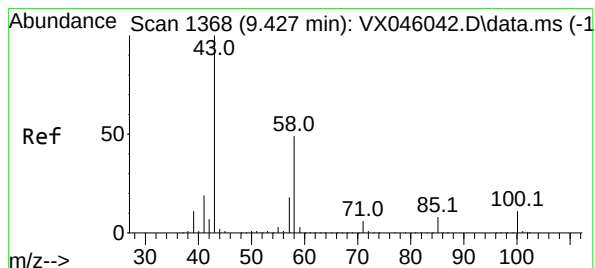
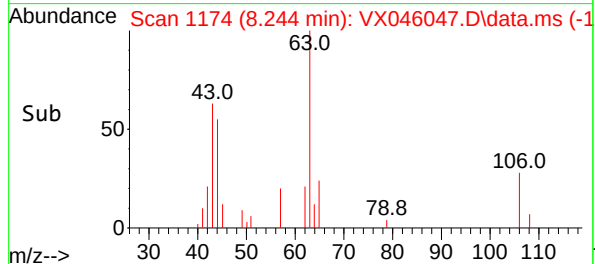
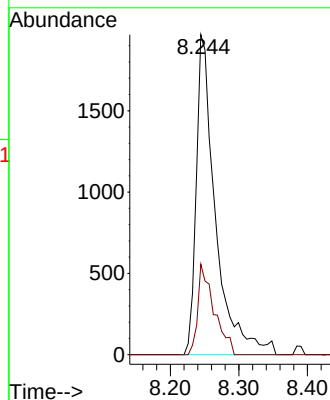
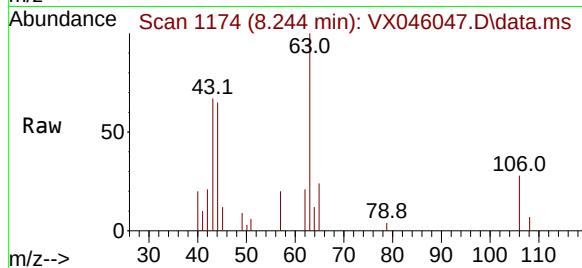
#58
2-Chloroethyl Vinyl ether
Concen: 3.420 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tgt Ion: 63 Resp: 3840
Ion Ratio Lower Upper
63 100
106 24.0 21.5 32.3

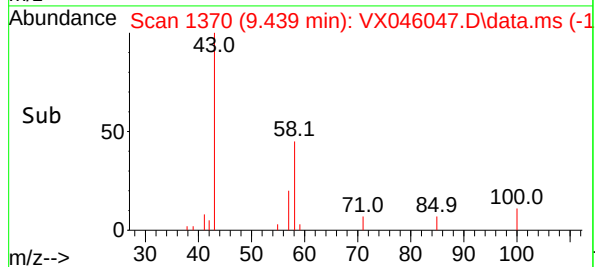
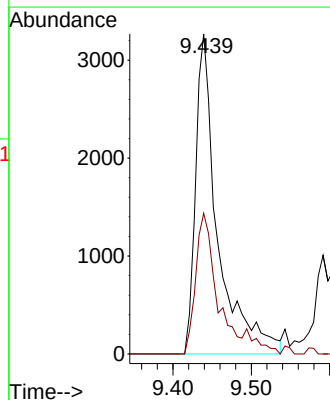
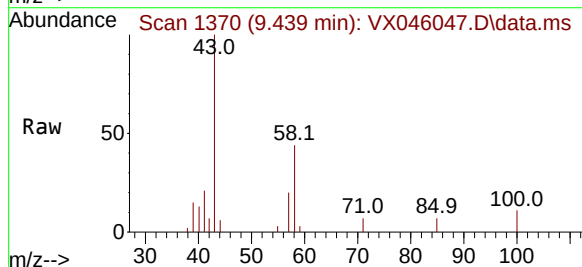
Manual Integrations
APPROVED

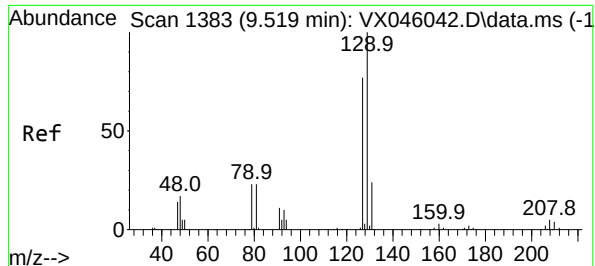
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

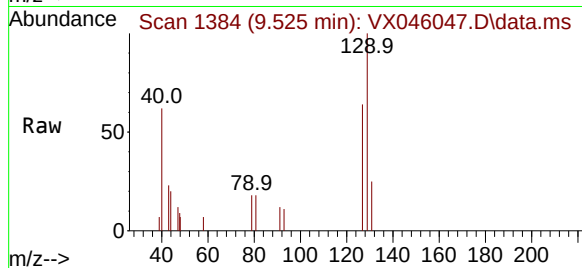
Tgt Ion: 43 Resp: 6424
Ion Ratio Lower Upper
43 100
58 41.6 24.9 74.6





#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

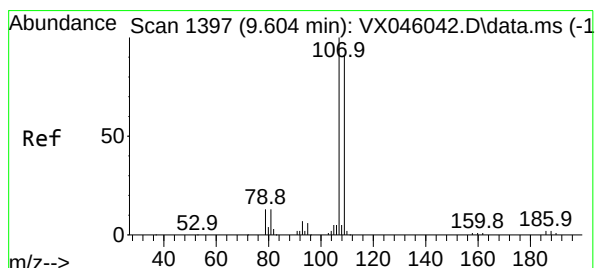
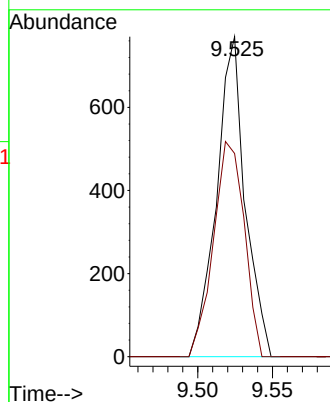
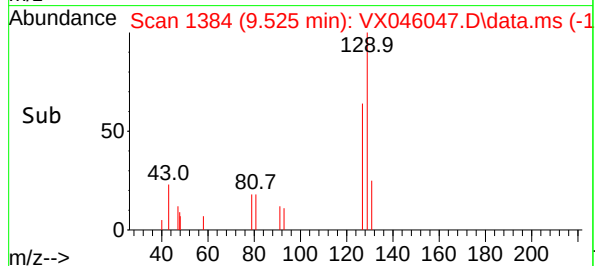
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001



Tgt Ion:129 Resp: 102
Ion Ratio Lower Upper
129 100
127 72.5 39.3 117.8

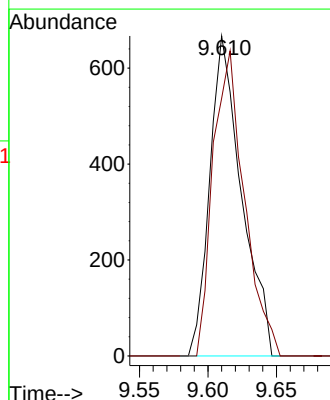
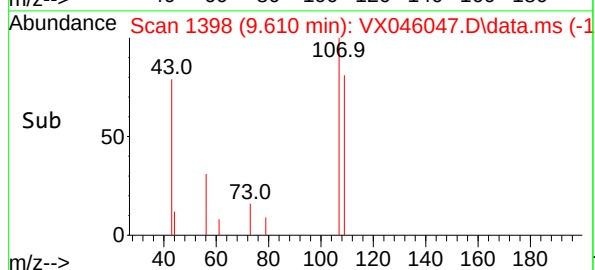
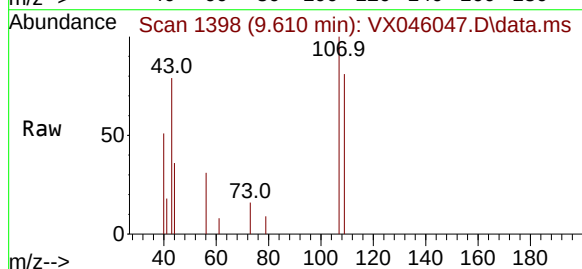
Manual Integrations
APPROVED

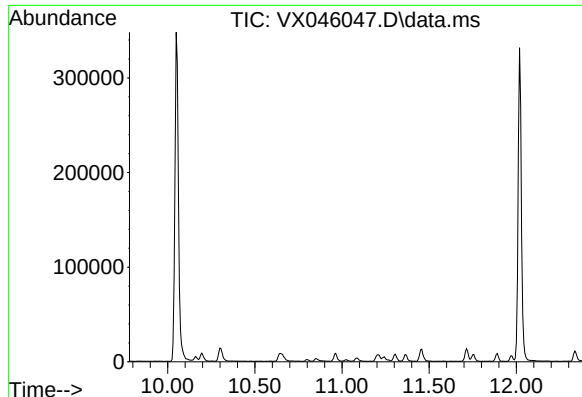
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

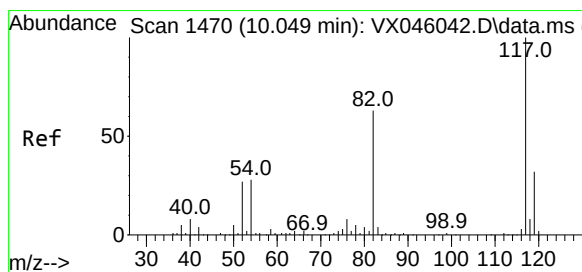
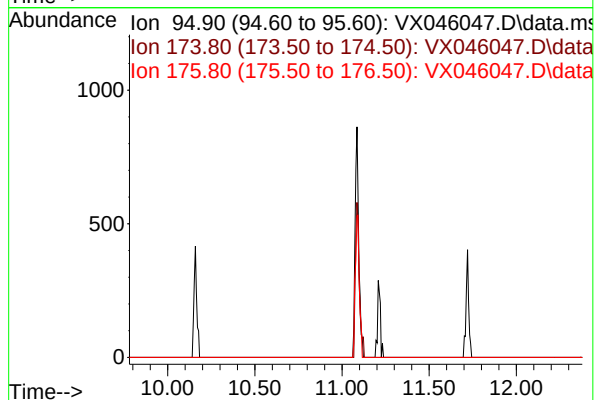
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 95
Sig Exp Ratio
95 100
174 67.9
176 65.7

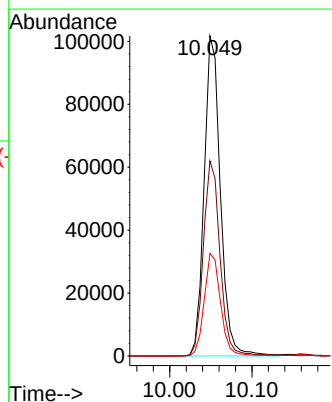
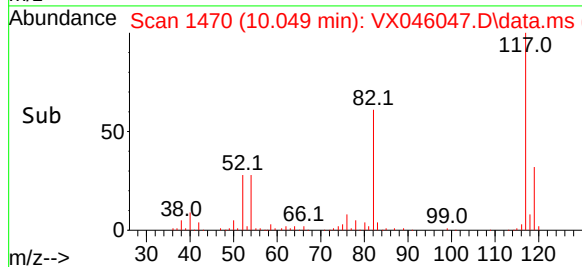
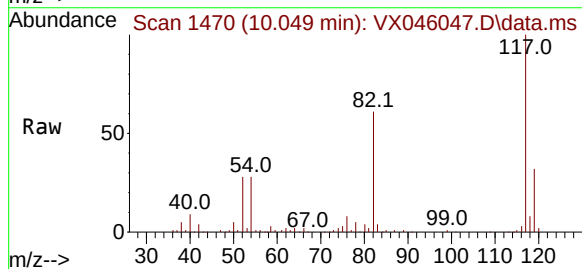
Manual Integrations APPROVED

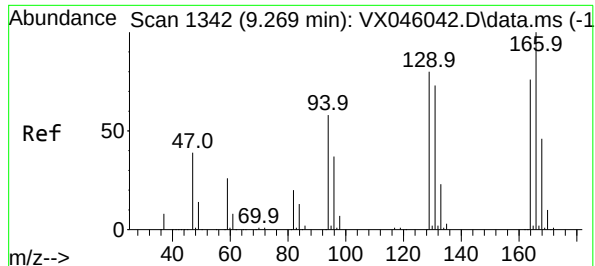
Reviewed By : John Carlone 05/06/2025
Supervised By : Mahesh Dadoda 05/06/2025



#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

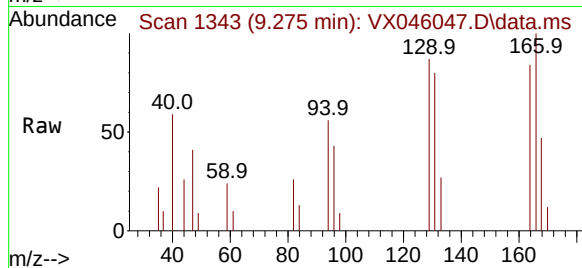
Tgt Ion: 117 Resp: 140108
Ion Ratio Lower Upper
117 100
82 61.0 50.6 76.0
119 32.1 25.8 38.6





#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

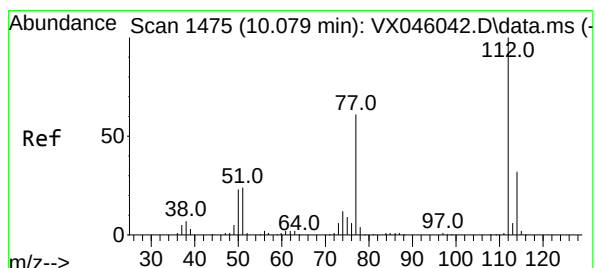
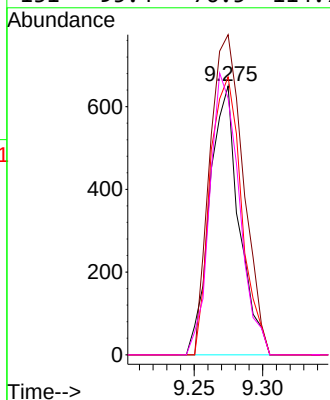
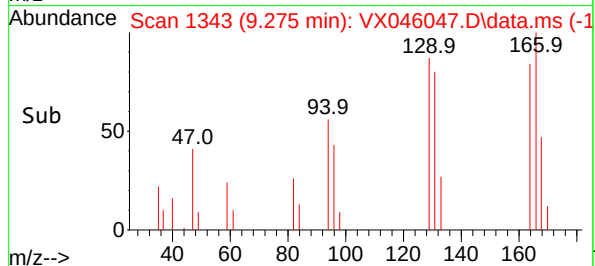
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001



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

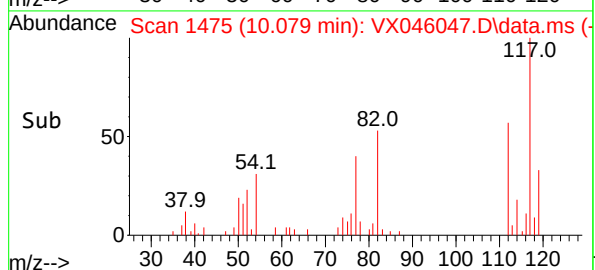
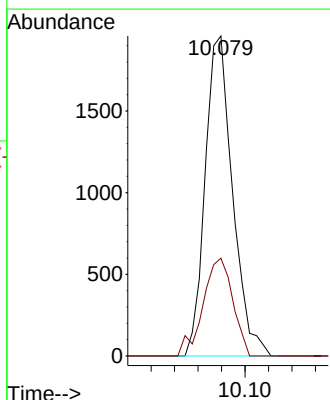
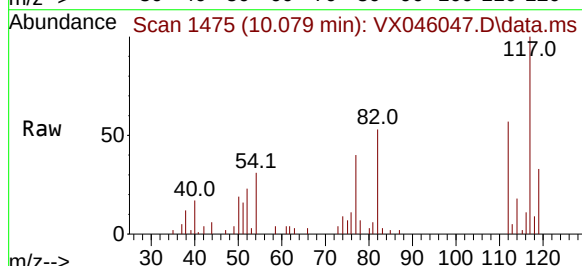
Manual Integrations
APPROVED

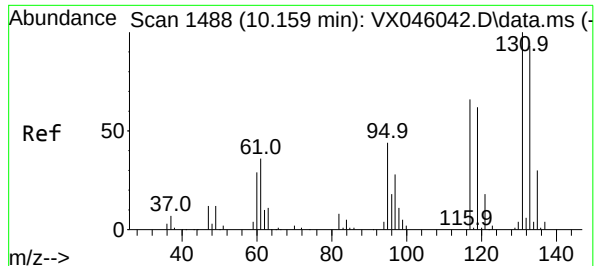
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

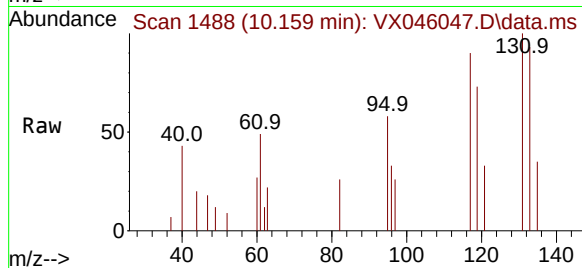
Tgt Ion:112 Resp: 3170
Ion Ratio Lower Upper
112 100
114 30.6 25.4 38.2





#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

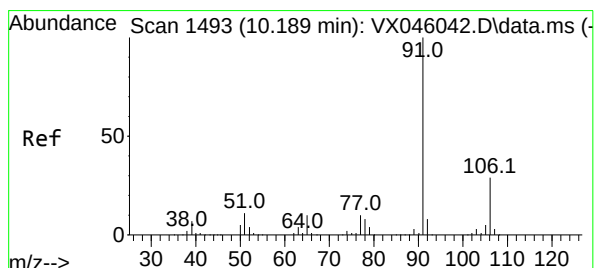
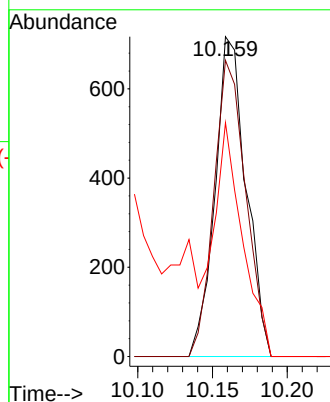
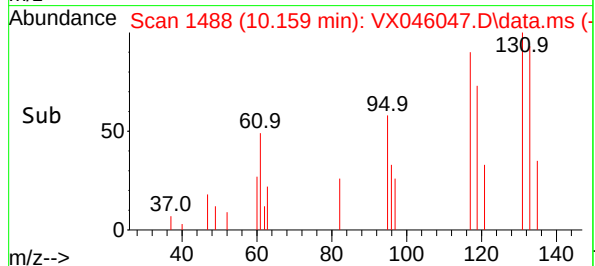
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001



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

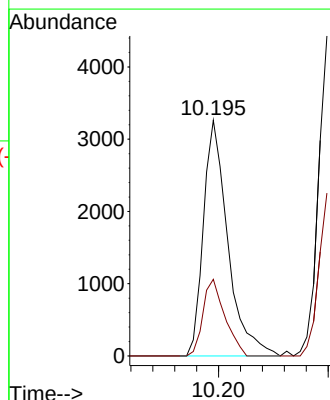
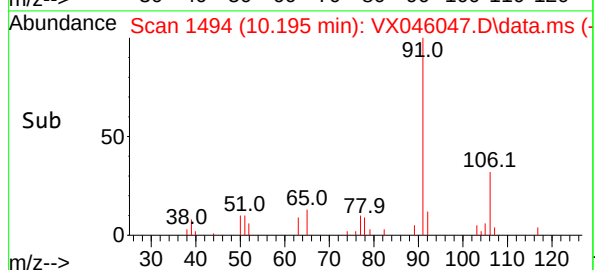
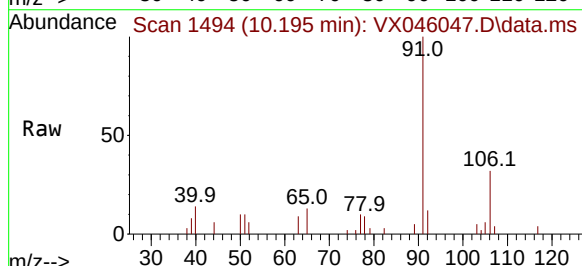
Manual Integrations
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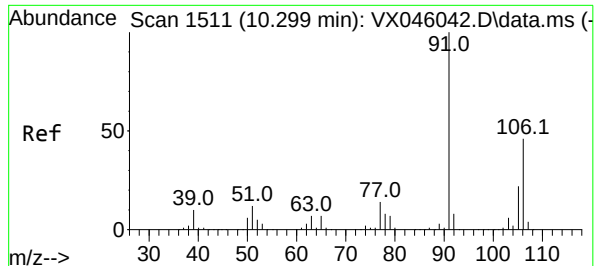
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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





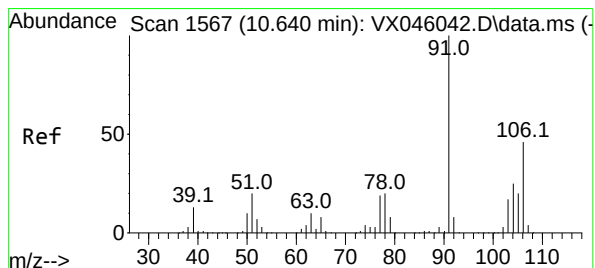
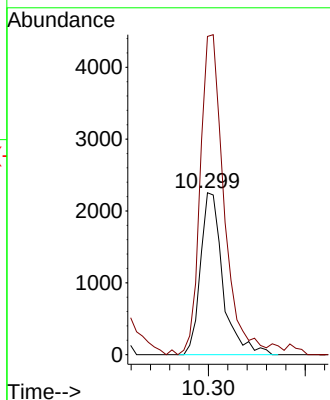
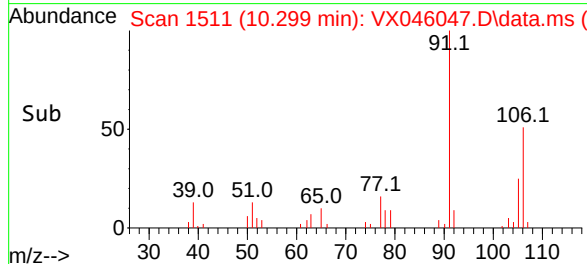
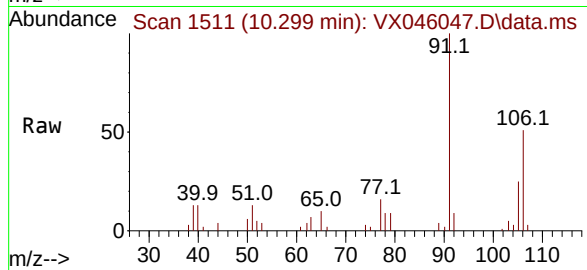
#68
m/p-Xylenes
Concen: 1.367 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tgt Ion:106 Resp: 3630
Ion Ratio Lower Upper
106 100
91 209.8 171.2 256.8

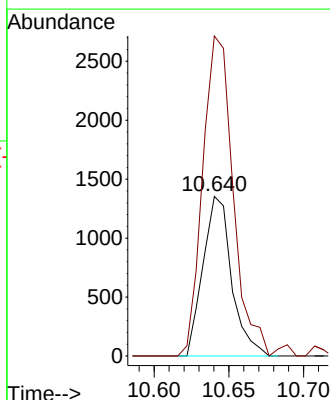
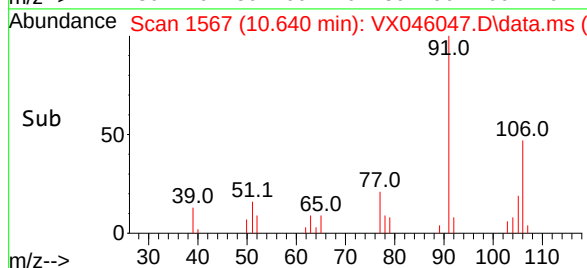
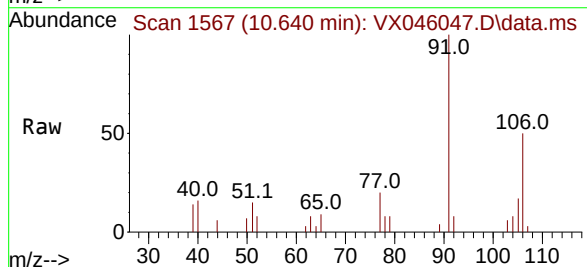
Manual Integrations
APPROVED

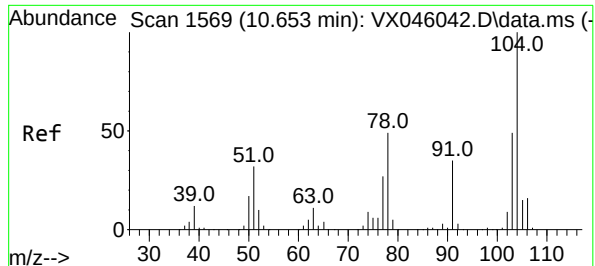
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

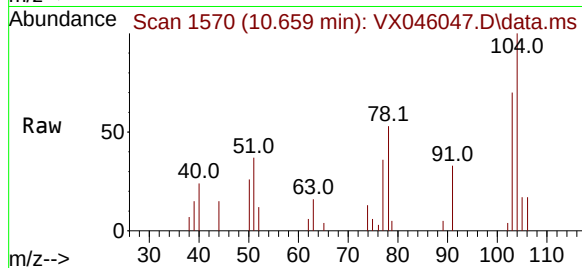
Tgt Ion:106 Resp: 1799
Ion Ratio Lower Upper
106 100
91 214.9 112.7 338.1





#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

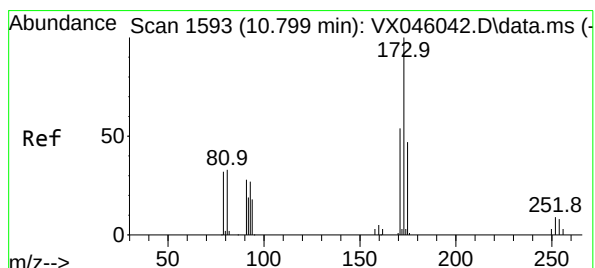
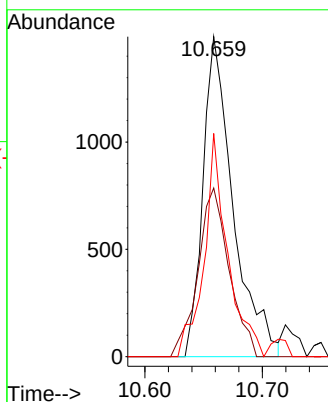
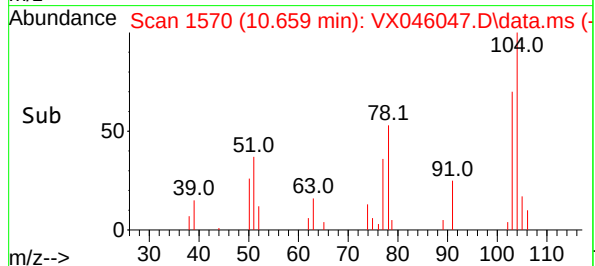
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001



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

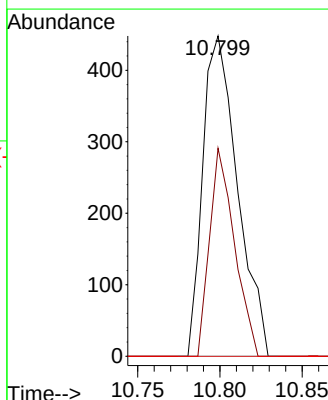
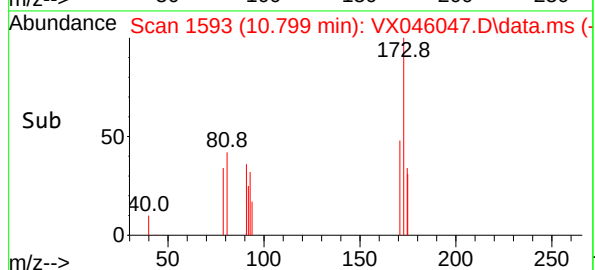
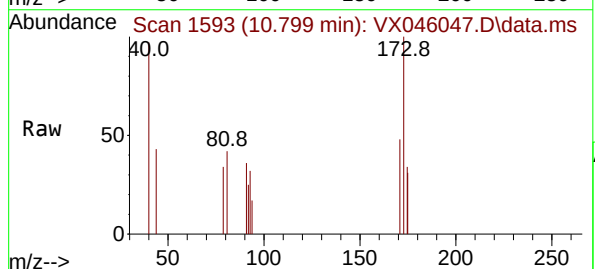
Manual Integrations
APPROVED

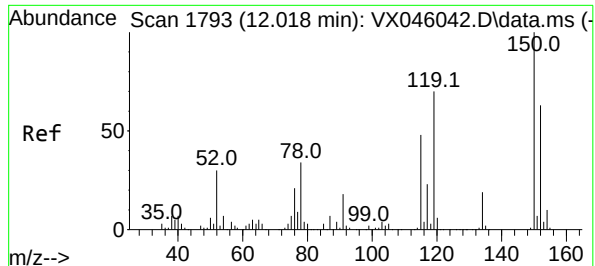
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

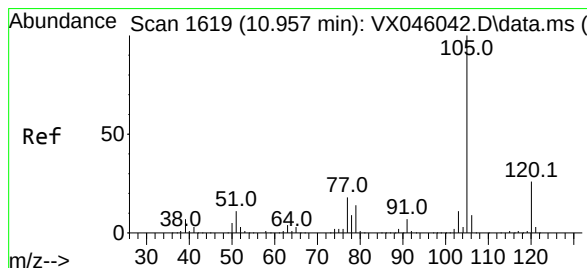
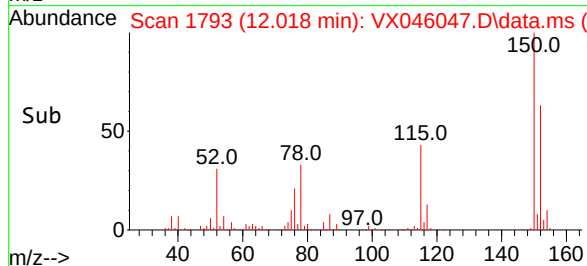
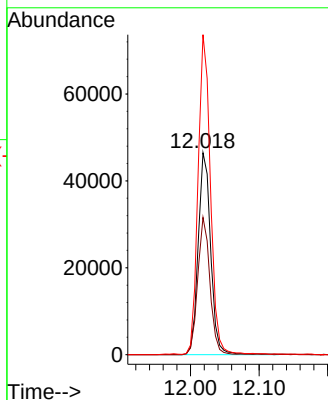
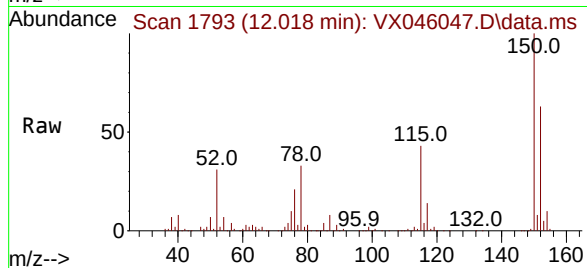
150 156.3 0.0 351.0

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

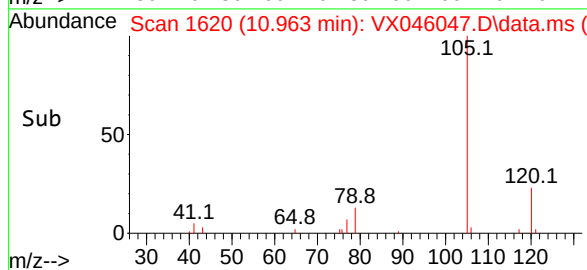
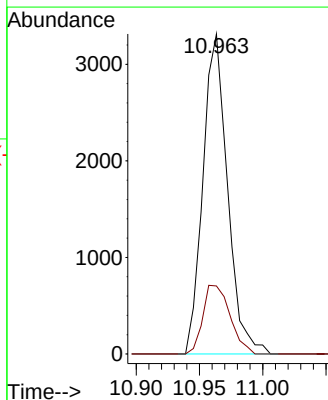
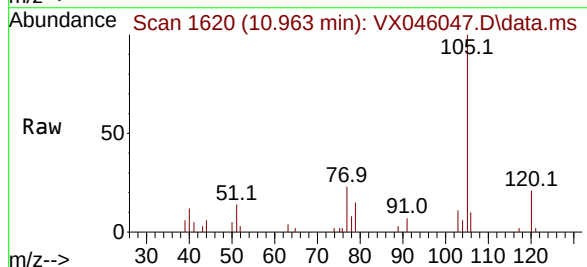
Acq: 05 May 2025 16:27

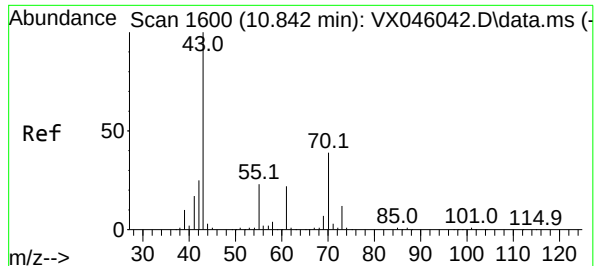
Tgt Ion:105 Resp: 4480

Ion Ratio Lower Upper

105 100

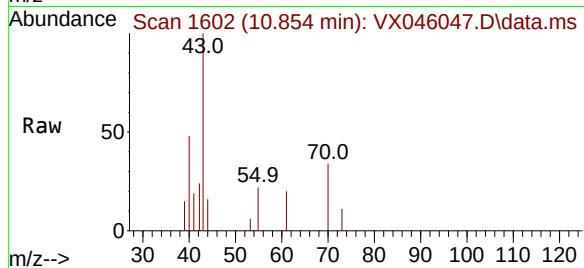
120 23.7 12.8 38.4





#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

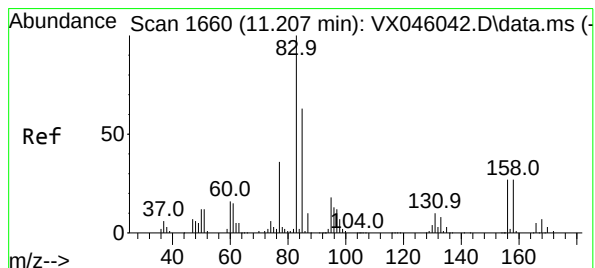
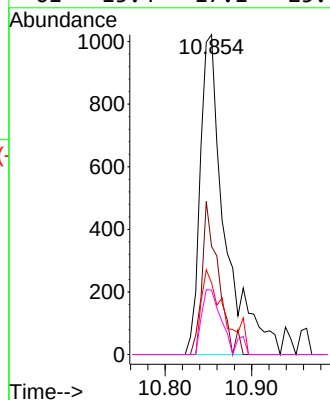
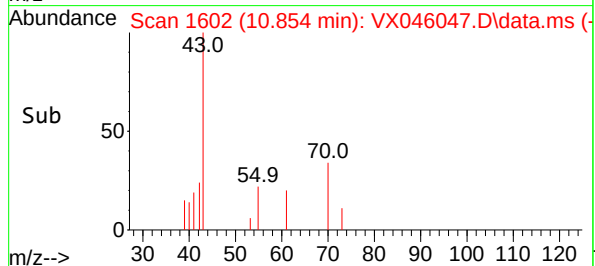
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001



Tgt Ion	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

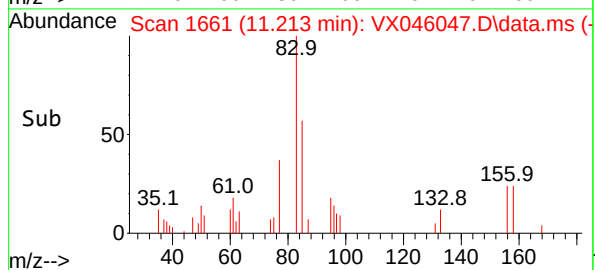
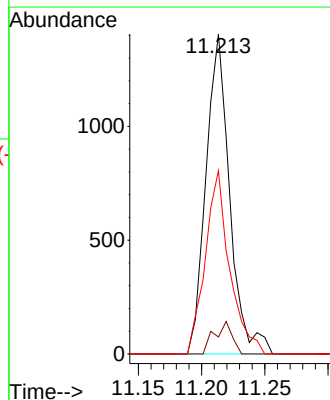
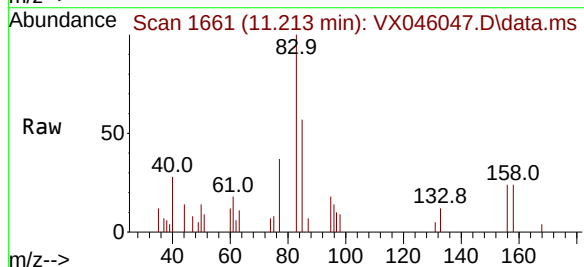
Manual Integrations
APPROVED

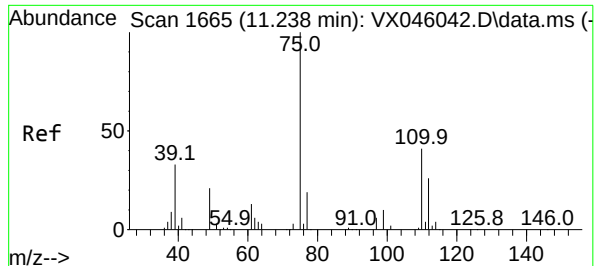
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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	Ratio	Lower	Upper
83	100		
131	7.5	5.0	14.9
85	58.7	31.9	95.7





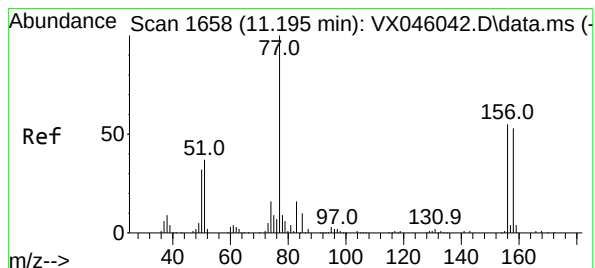
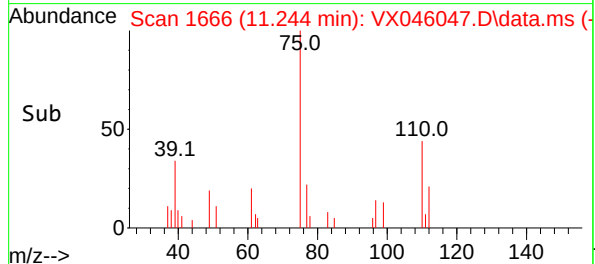
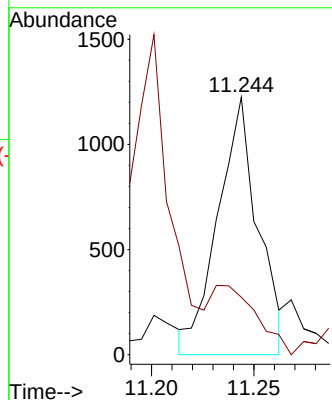
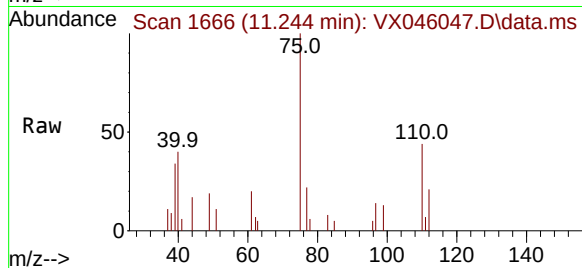
#76
1,2,3-Trichloropropane
Concen: 0.674 ug/l m
RT: 11.244 min Scan# 1665
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tgt Ion: 75 Resp: 166
Ion Ratio Lower Upper
75 100
77 29.7 20.5 61.5

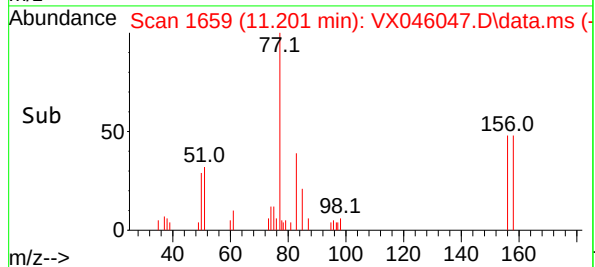
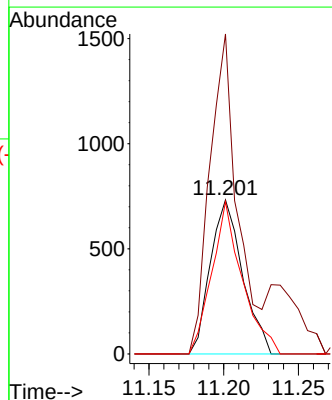
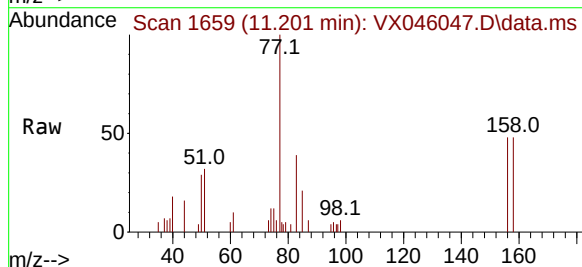
Manual Integrations
APPROVED

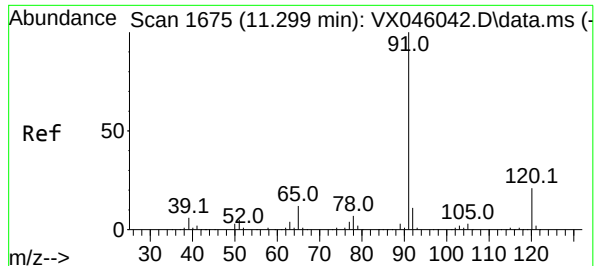
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

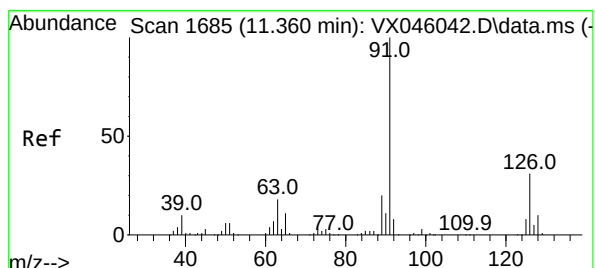
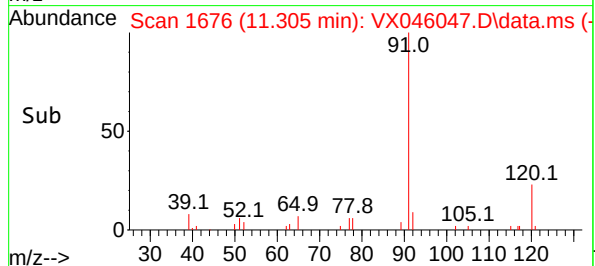
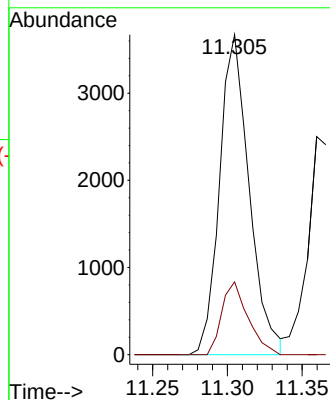
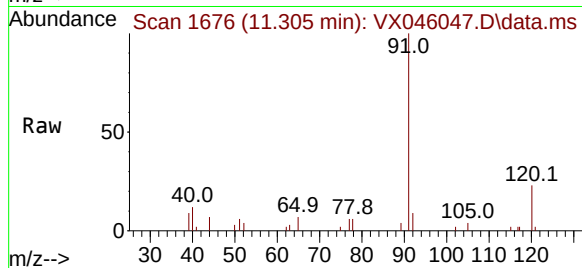
120 20.1 10.8 32.4

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

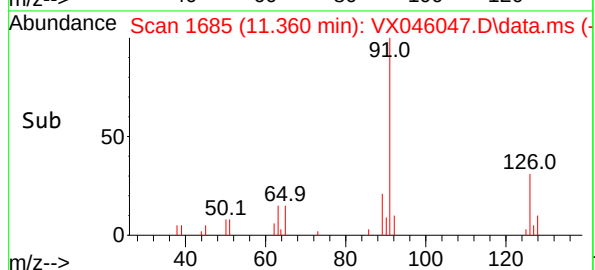
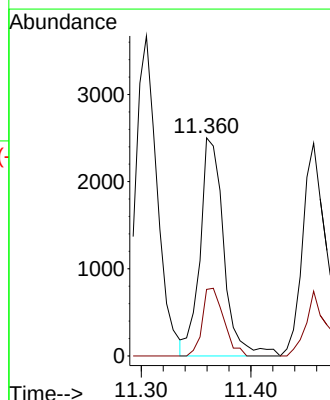
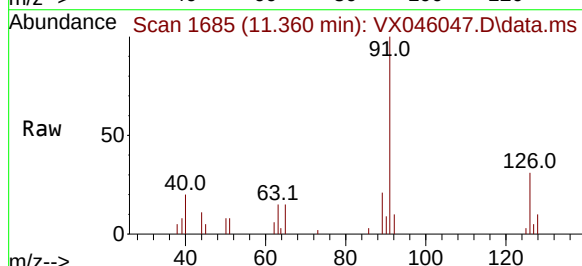
Acq: 05 May 2025 16:27

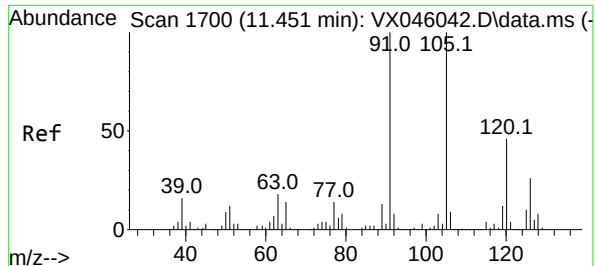
Tgt Ion: 91 Resp: 3765

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

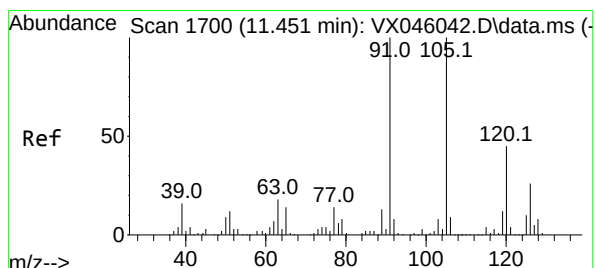
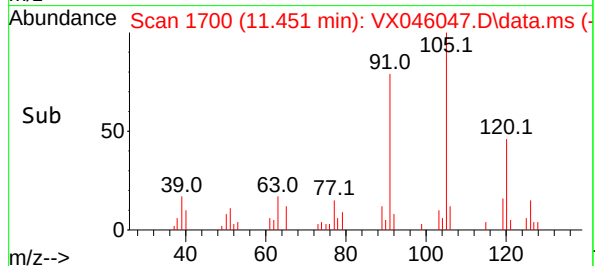
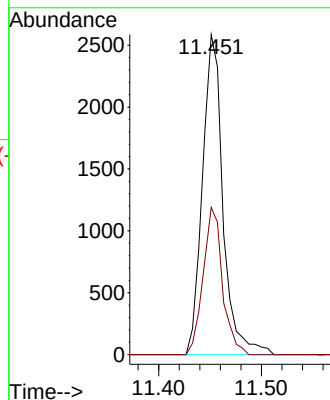
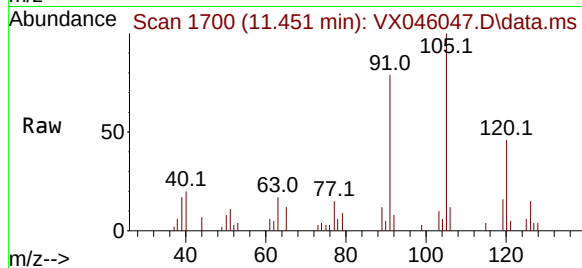
120 43.4 23.1 69.2

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

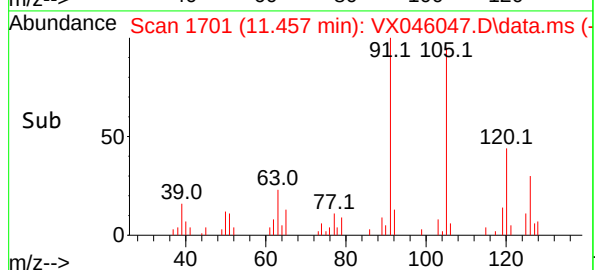
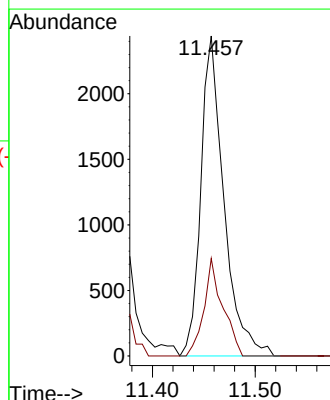
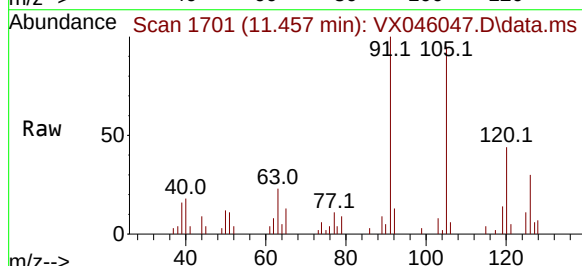
Acq: 05 May 2025 16:27

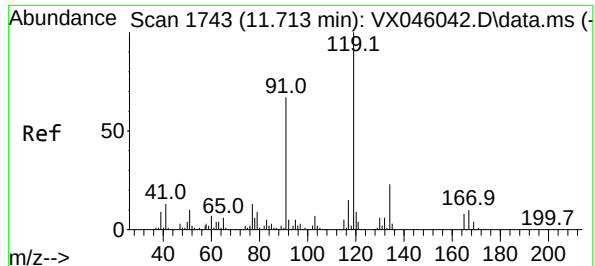
Tgt Ion: 91 Resp: 3815

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

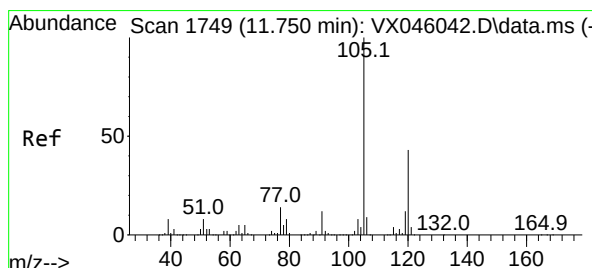
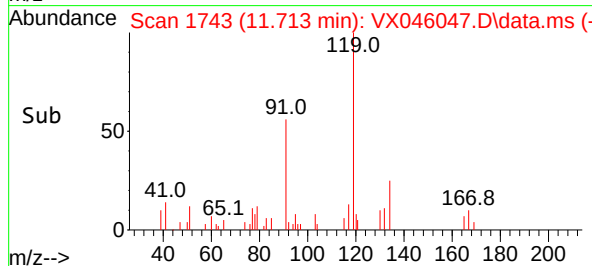
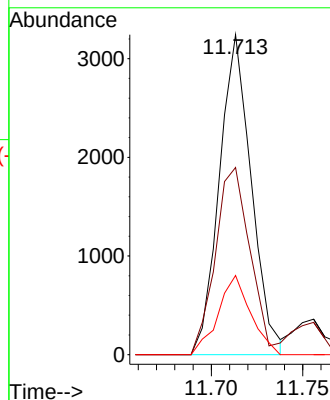
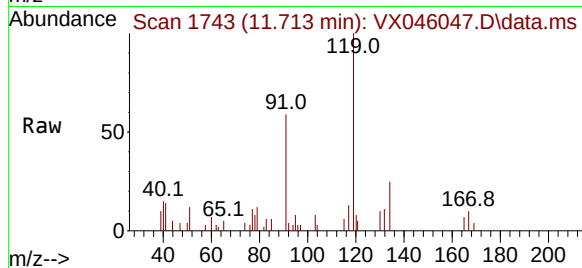
Tgt Ion:	119	Resp:	395
Ion	Ratio	Lower	Upper
119	100		
91	63.9	32.9	98.7
134	25.2	11.4	34.1

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

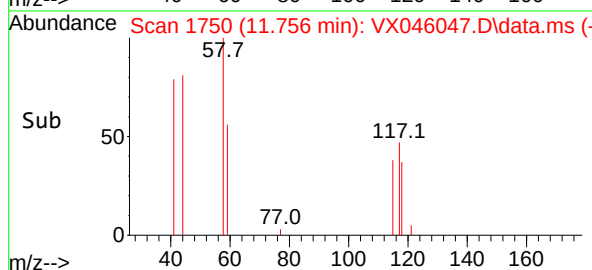
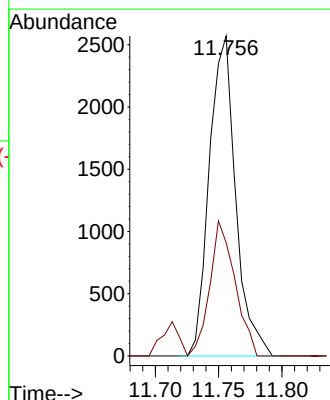
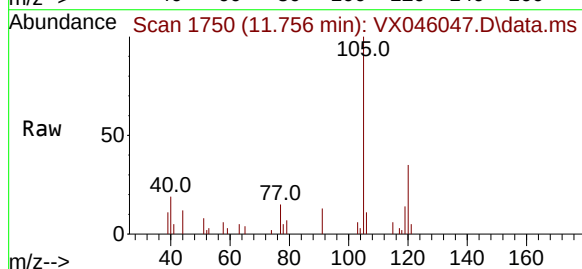
RT: 11.756 min Scan# 1750

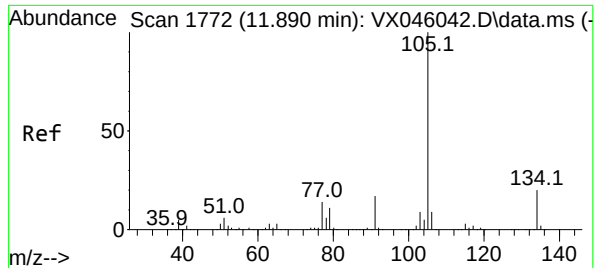
Delta R.T. 0.006 min

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 :

VSTDIC001

Tgt Ion:105 Resp: 438

Ion Ratio Lower Upper

105 100

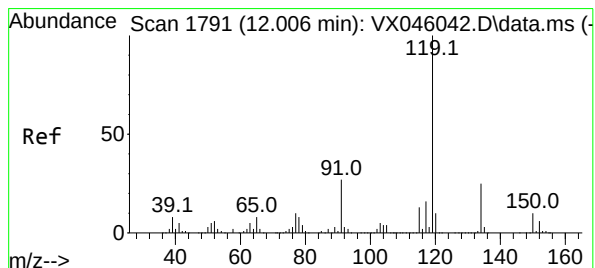
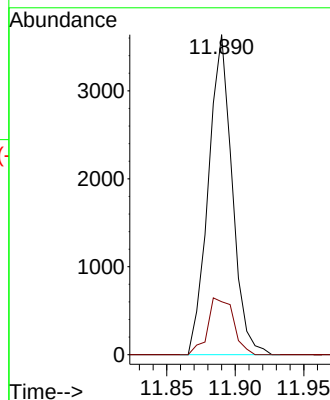
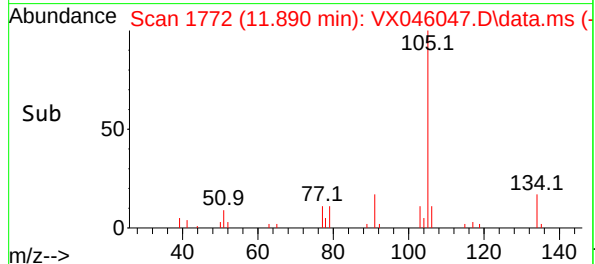
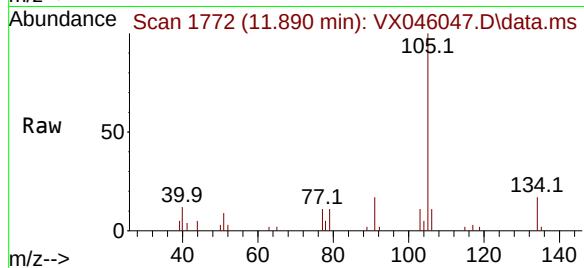
134 19.2 9.7 29.1

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

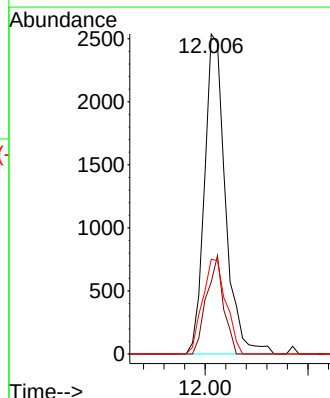
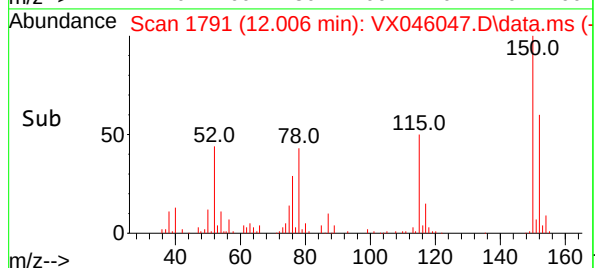
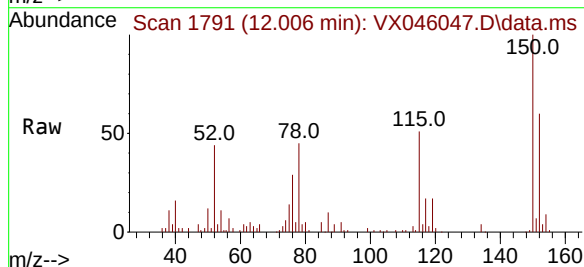
Tgt Ion:119 Resp: 3577

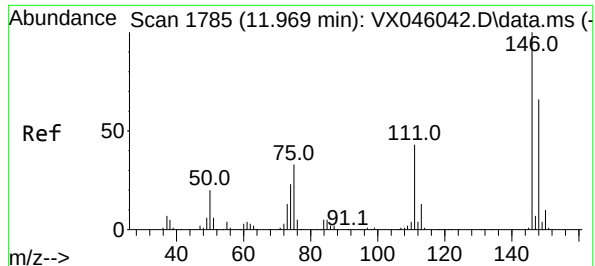
Ion Ratio Lower Upper

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

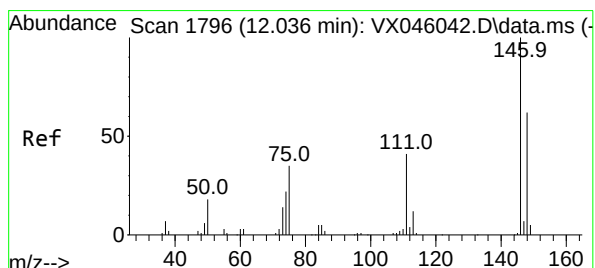
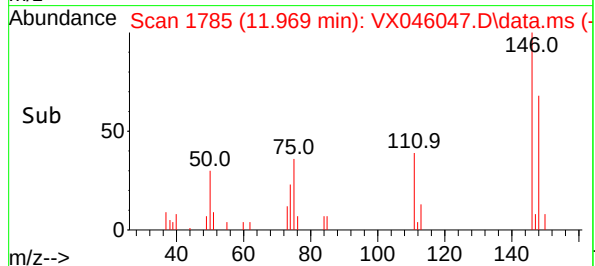
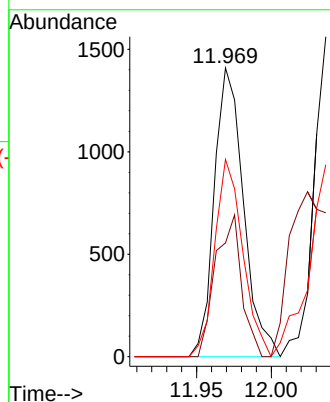
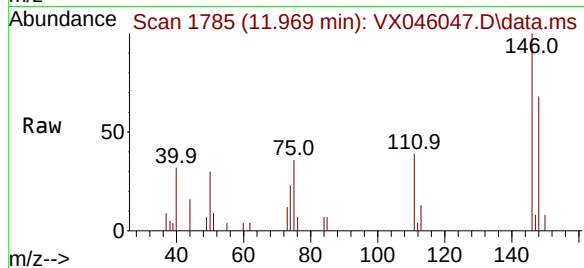
Tgt Ion:146	Resp:	1914
Ion Ratio	Lower	Upper
146	100	
111	43.9	22.1 66.3
148	65.3	32.1 96.5

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

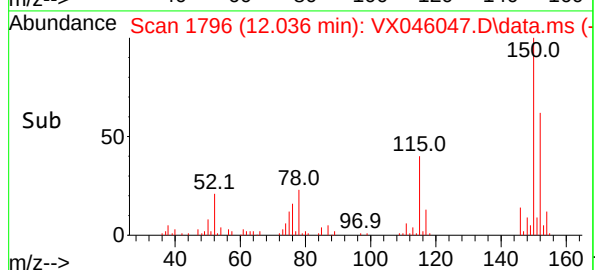
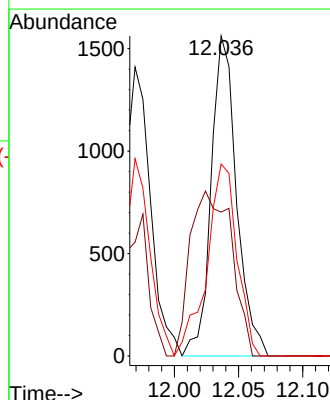
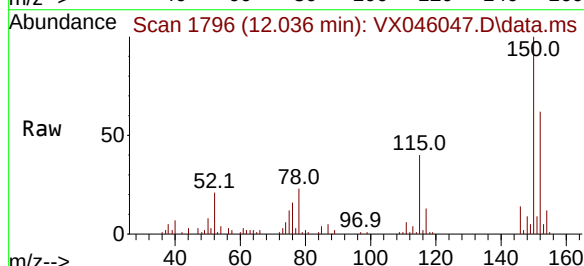
RT: 12.036 min Scan# 1796

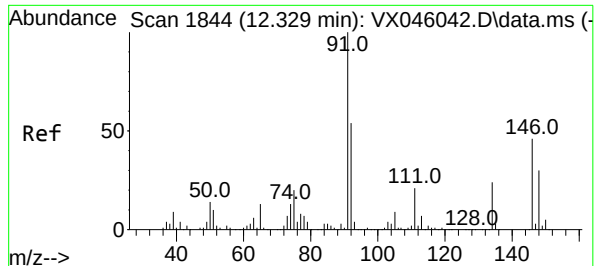
Delta R.T. -0.000 min

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# 1844

Delta R.T. 0.006 min

Lab File: VX046047.D

Acq: 05 May 2025 16:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

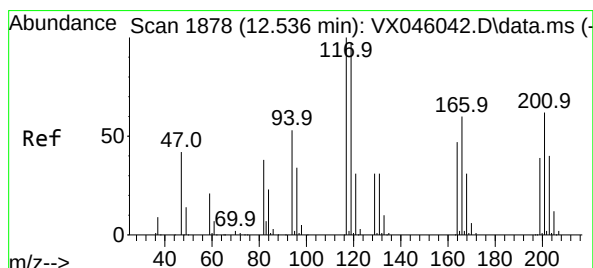
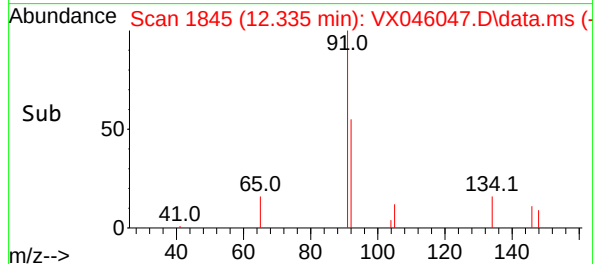
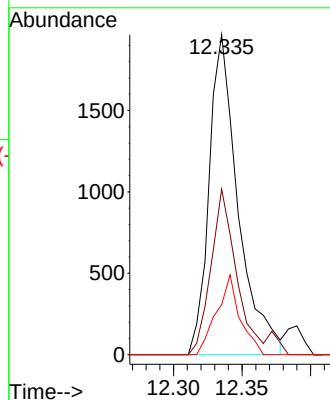
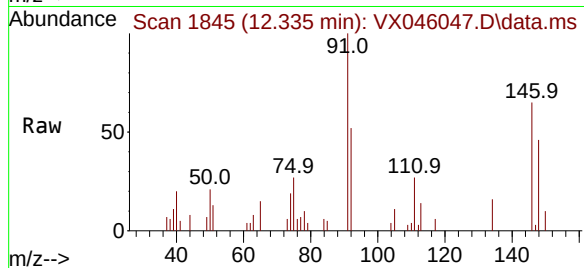
Tgt Ion:	91	Resp:	288
Ion	Ratio	Lower	Upper
91	100		
92	48.1	26.9	80.7
134	20.1	11.8	35.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#90

Hexachloroethane

Concen: 0.616 ug/l

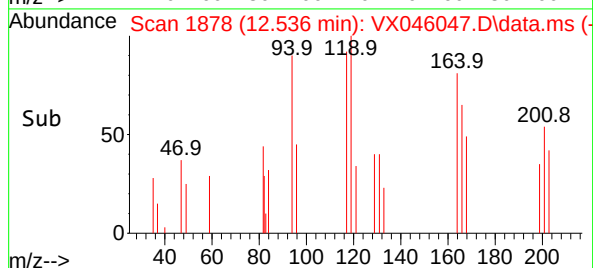
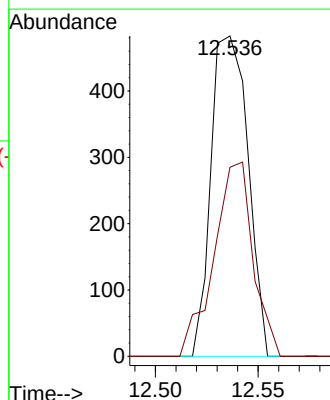
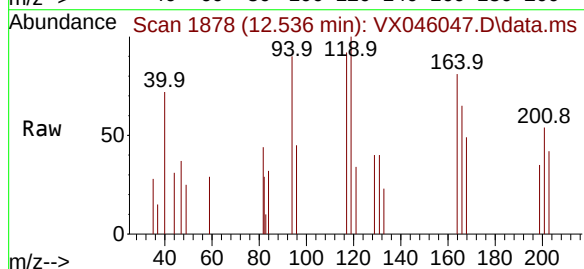
RT: 12.536 min Scan# 1878

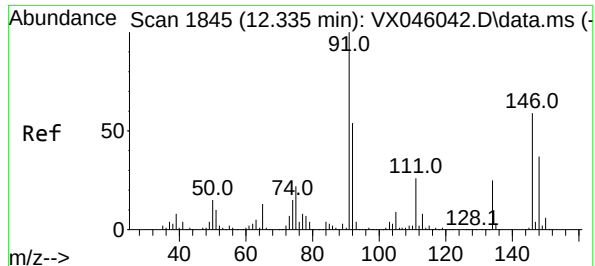
Delta R.T. -0.000 min

Lab File: VX046047.D

Acq: 05 May 2025 16:27

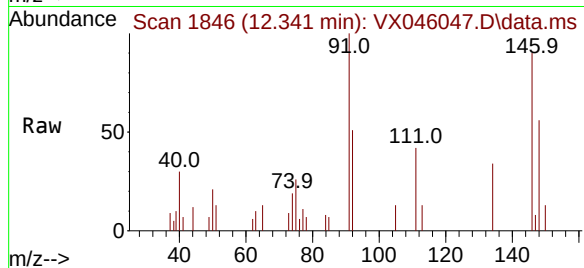
Tgt Ion:	117	Resp:	604
Ion	Ratio	Lower	Upper
117	100		
201	64.2	31.6	94.7





#91
1,2-Dichlorobenzene
Concen: 0.747 ug/l
RT: 12.341 min Scan# 1846
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

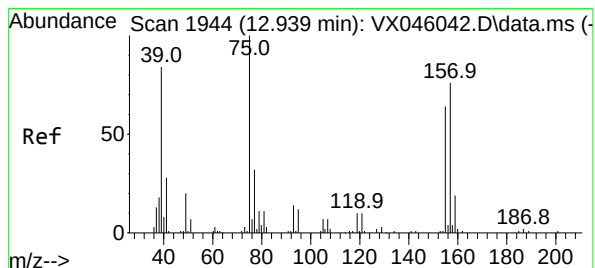
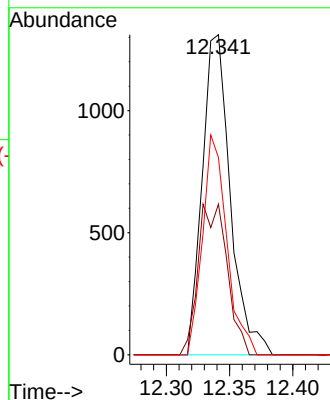
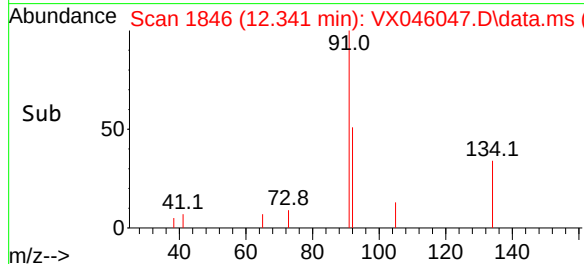
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001



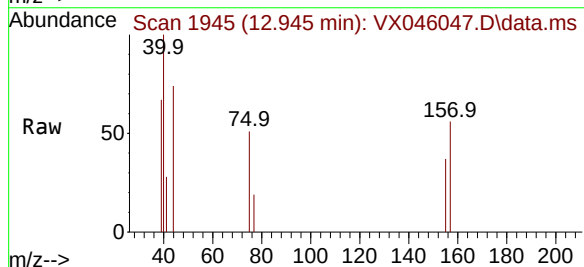
Tgt Ion:146 Resp: 202
Ion Ratio Lower Upper
146 100
111 48.8 22.4 67.3
148 59.4 31.6 94.8

Manual Integrations
APPROVED

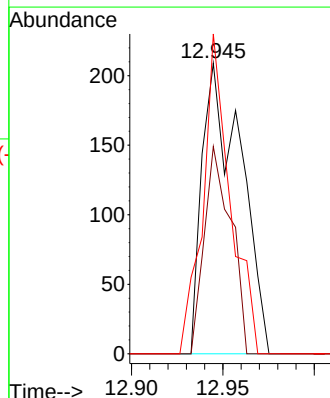
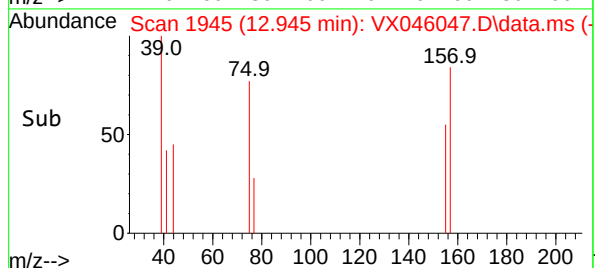
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

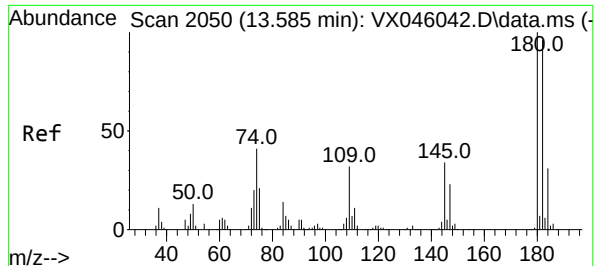


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.586 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27



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 :

VSTDICC001

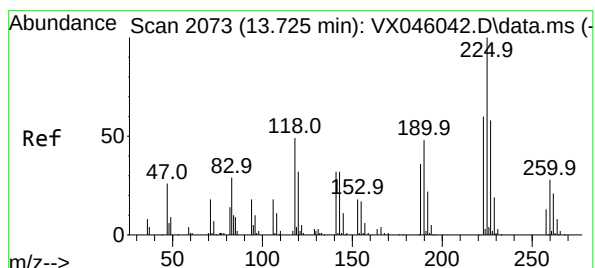
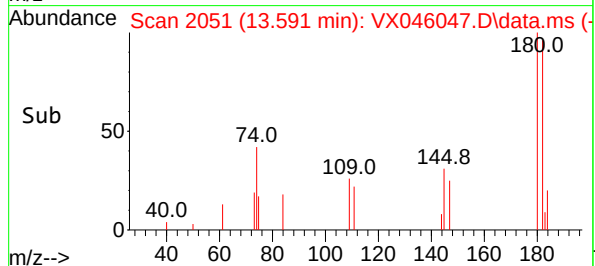
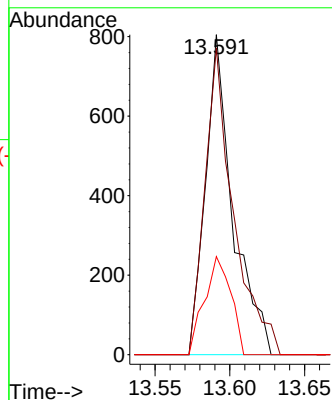
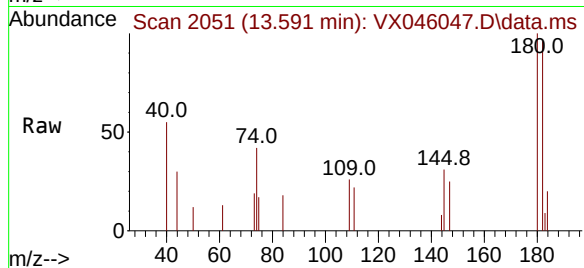
Tgt Ion:180	Resp:	1019
Ion Ratio	Lower	Upper
180	100	
182	100.6	47.9 143.8
145	29.5	17.1 51.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#94

Hexachlorobutadiene

Concen: 0.671 ug/l

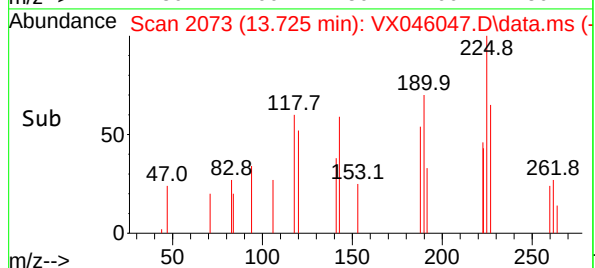
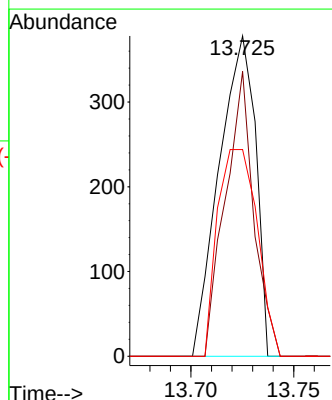
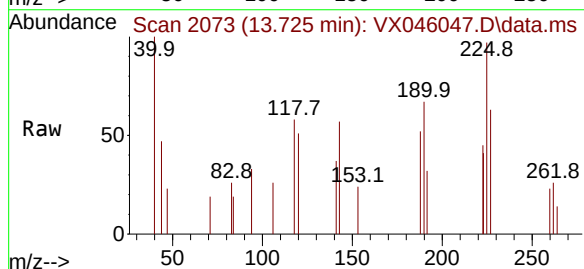
RT: 13.725 min Scan# 2073

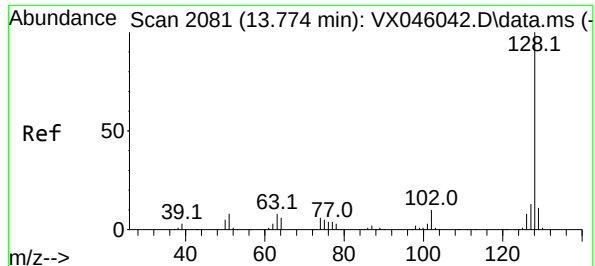
Delta R.T. -0.000 min

Lab File: VX046047.D

Acq: 05 May 2025 16:27

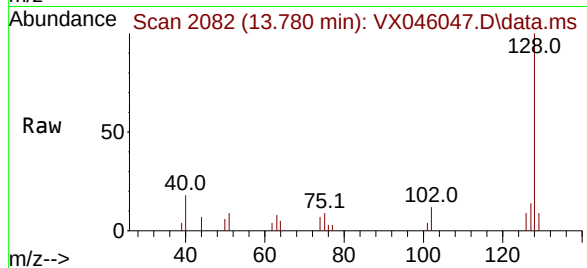
Tgt Ion:225	Resp:	465
Ion Ratio	Lower	Upper
225	100	
223	69.7	30.8 92.4
227	70.5	30.9 92.7





#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

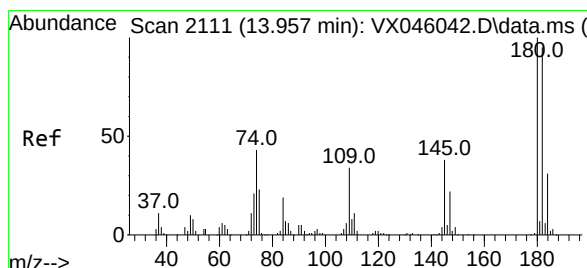
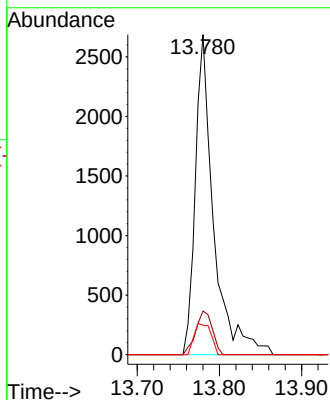
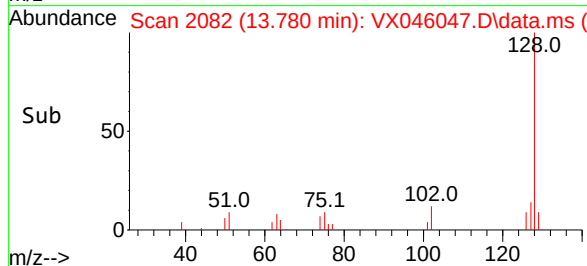
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001



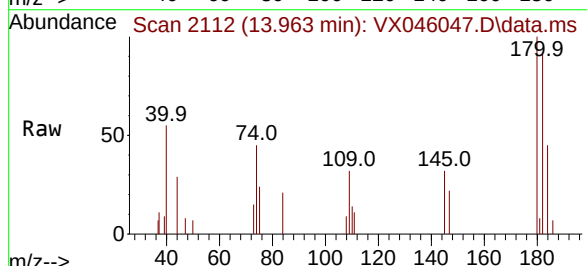
Tgt Ion:128 Resp: 4138
Ion Ratio Lower Upper
128 100
127 12.4 10.4 15.6
129 8.9 8.6 13.0

Manual Integrations
APPROVED

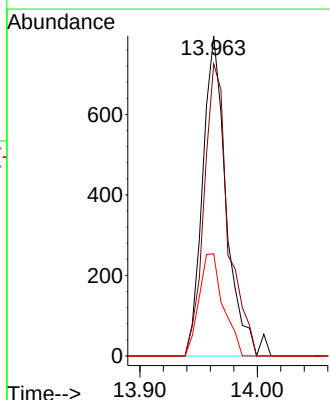
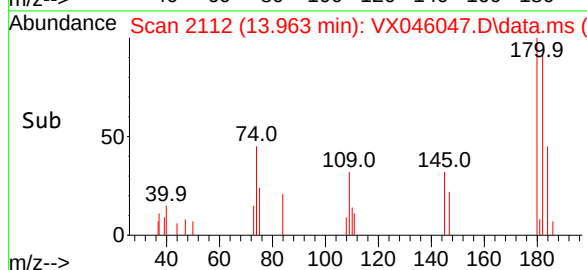
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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)

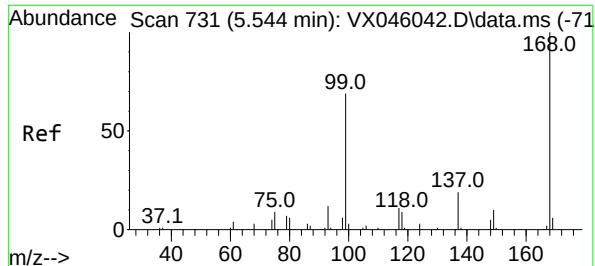
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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# 71

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

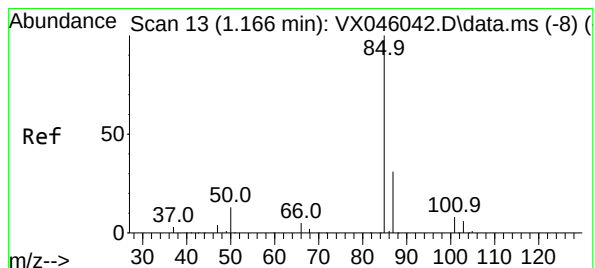
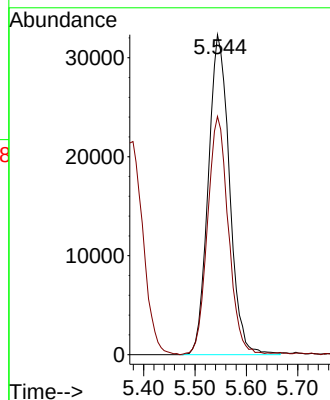
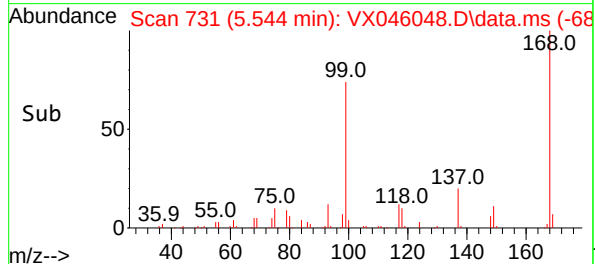
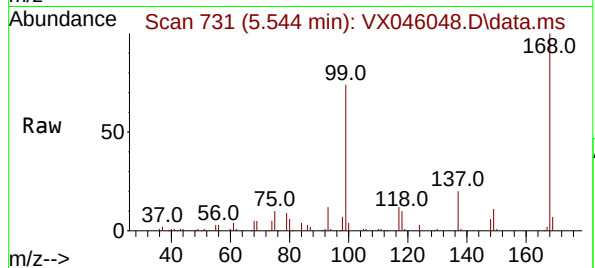
99 74.5 54.9 82.3

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

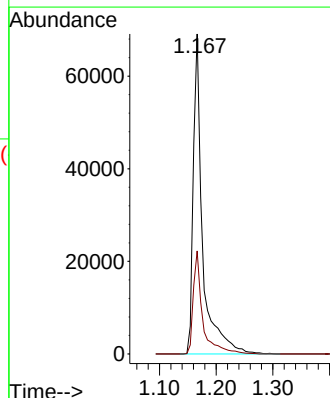
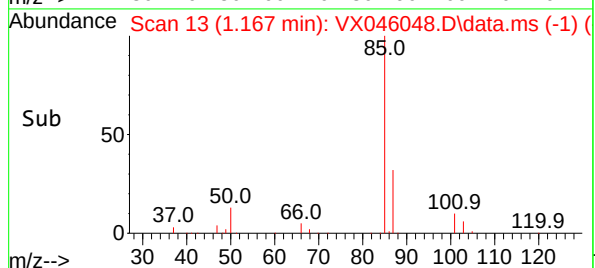
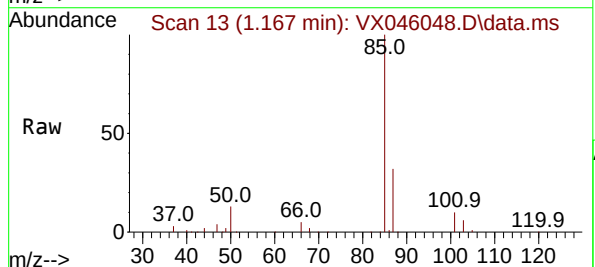
Acq: 05 May 2025 16:50

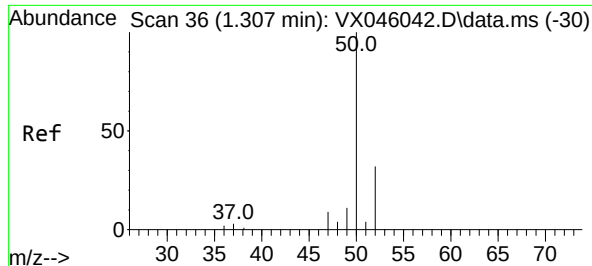
Tgt Ion: 85 Resp: 78783

Ion Ratio Lower Upper

85 100

87 32.2 15.7 47.1





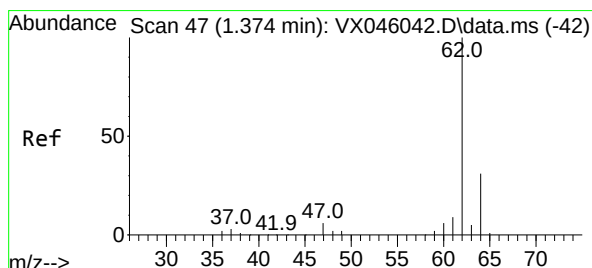
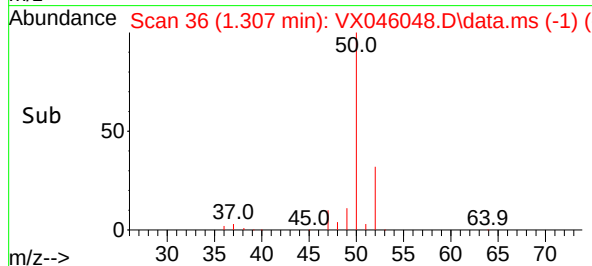
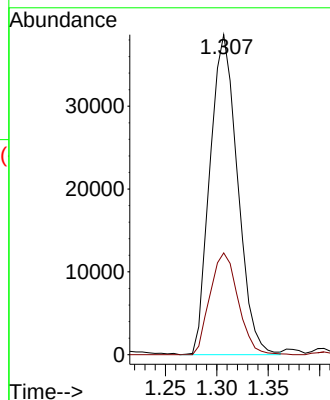
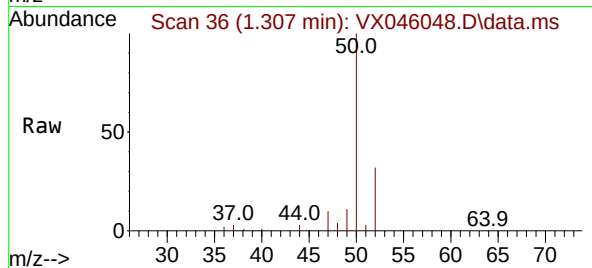
#3
Chloromethane
Concen: 52.592 ug/l
RT: 1.307 min Scan# 30
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion: 50 Resp: 72275
Ion Ratio Lower Upper
50 100
52 31.8 25.4 38.2

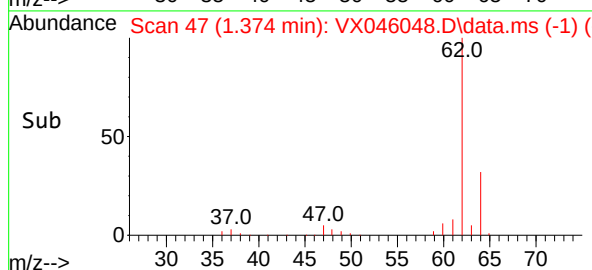
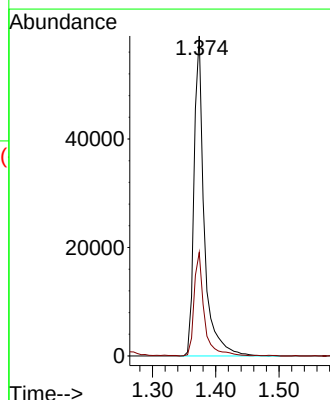
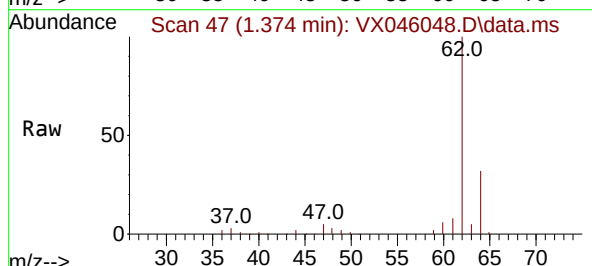
Manual Integrations
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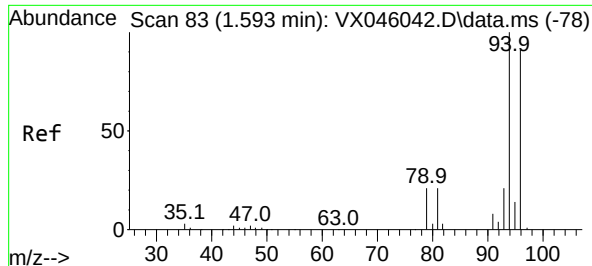
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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





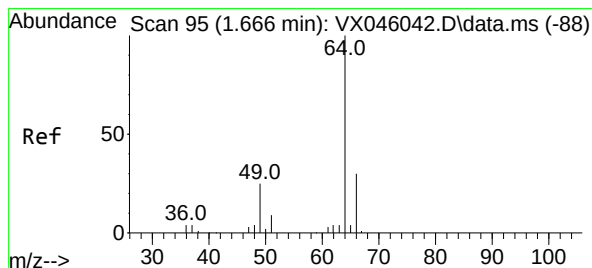
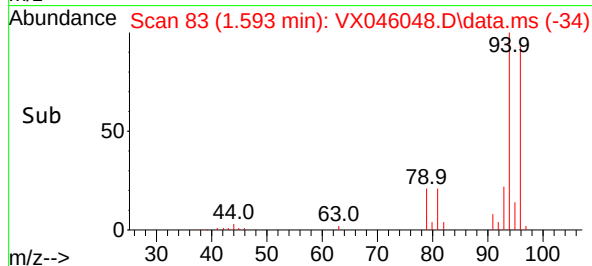
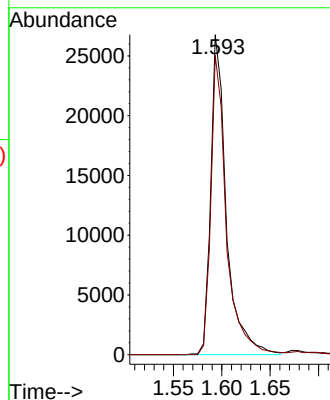
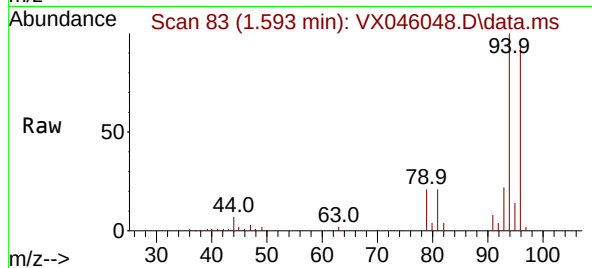
#5
Bromomethane
Concen: 50.627 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion: 94 Resp: 3003
Ion Ratio Lower Upper
94 100
96 93.5 72.8 109.2

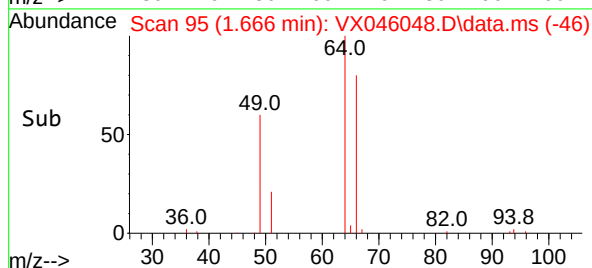
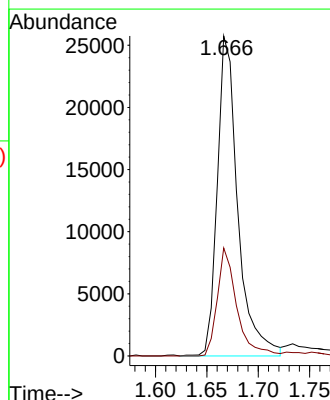
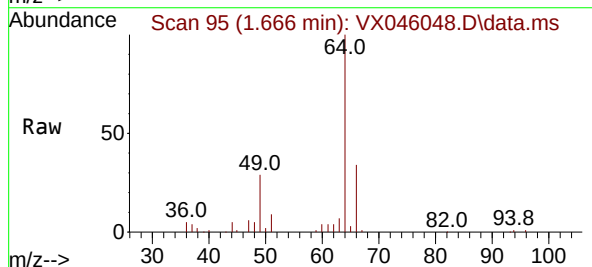
Manual Integrations
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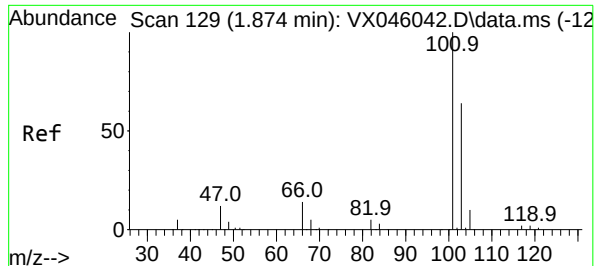
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

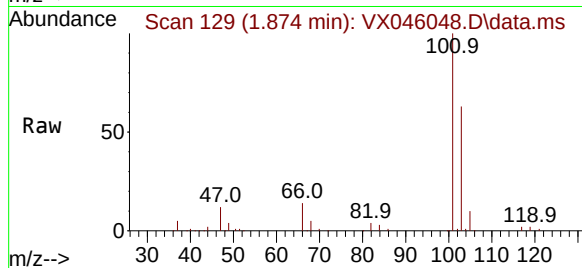
Tgt Ion: 64 Resp: 35690
Ion Ratio Lower Upper
64 100
66 33.7 24.3 36.5





#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

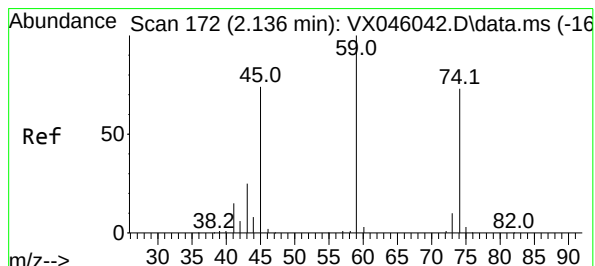
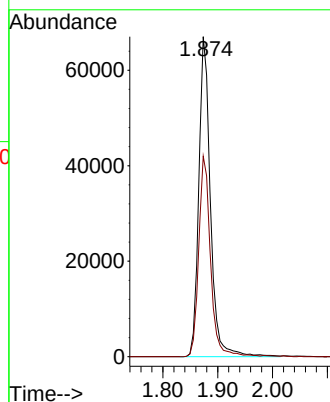
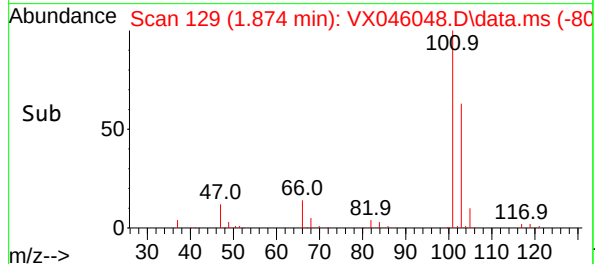
Instrument :
MSVOA_X
ClientSampleId :
ICVX050525



Tgt Ion:101 Resp: 99352
Ion Ratio Lower Upper
101 100
103 62.6 51.0 76.4

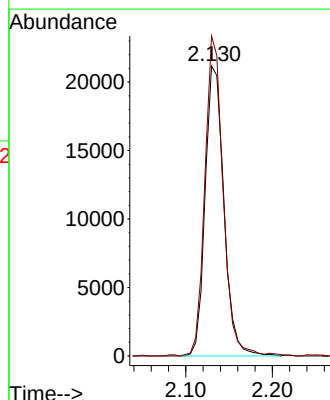
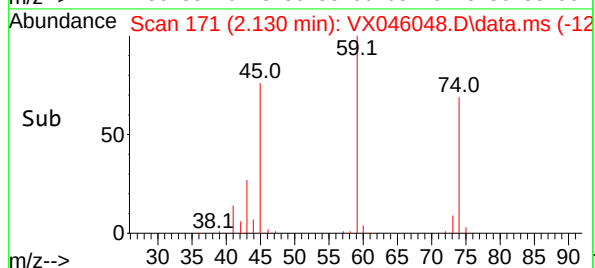
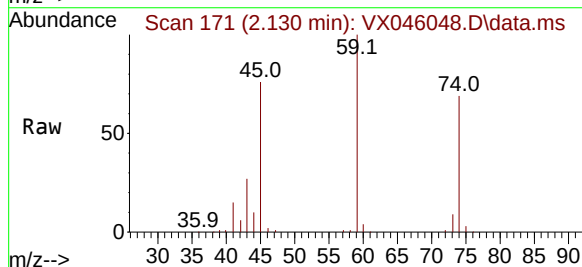
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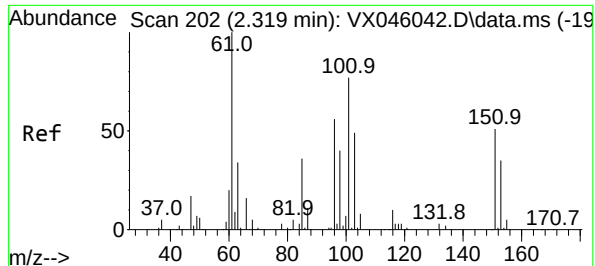
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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





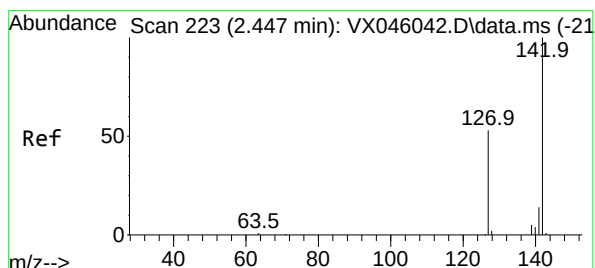
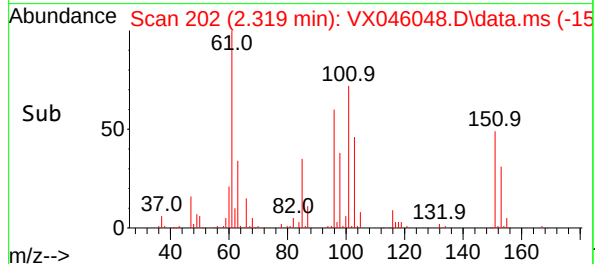
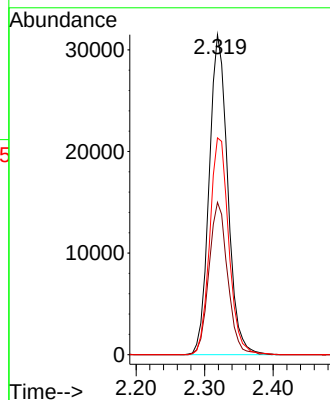
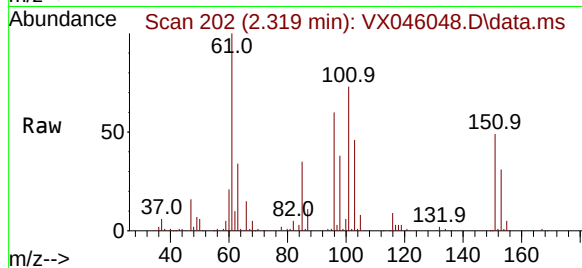
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.822 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
Client Sample Id :
ICVVX050525

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

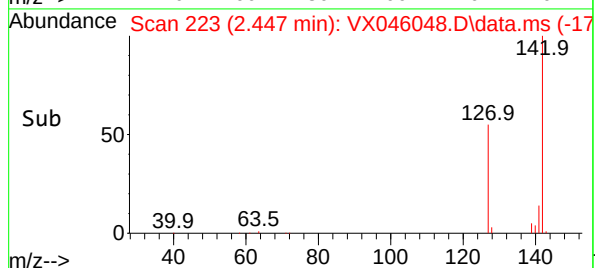
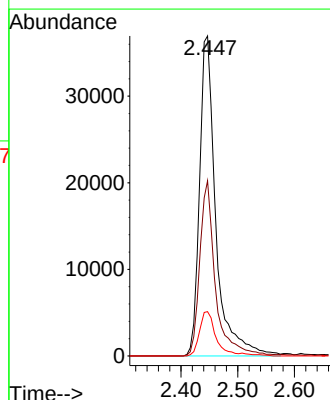
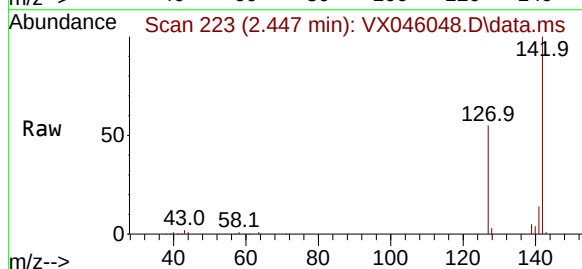
Manual Integrations
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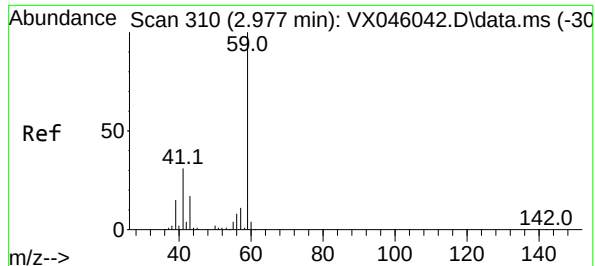
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

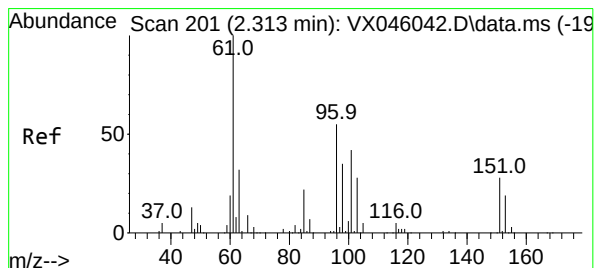
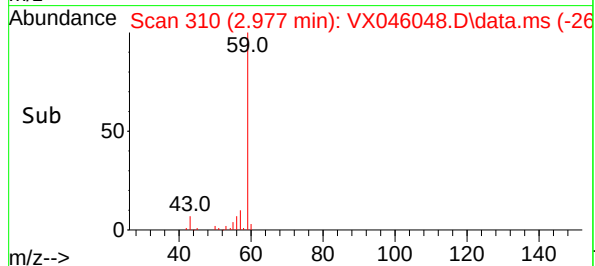
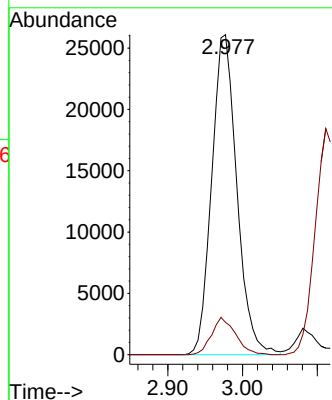
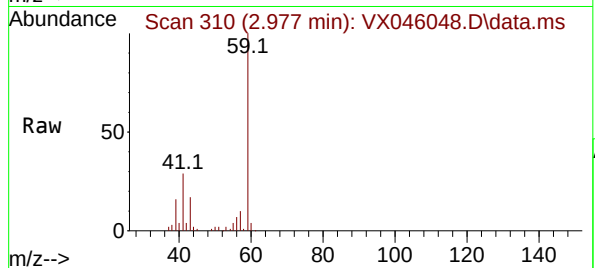
57 11.1 8.6 12.8

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

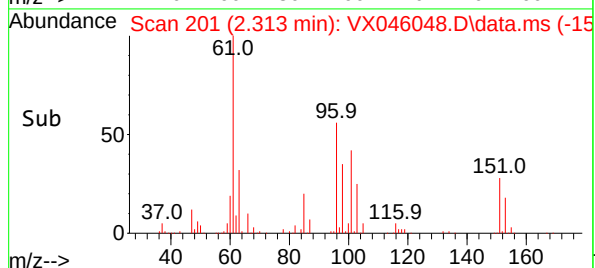
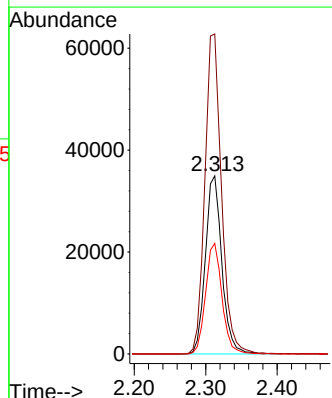
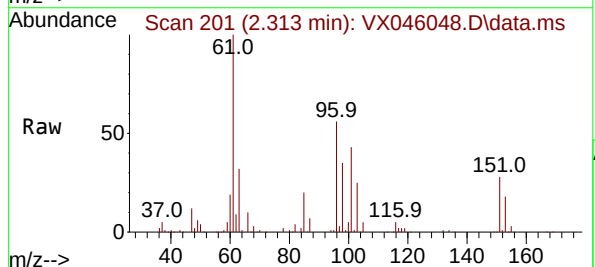
Tgt Ion: 96 Resp: 56097

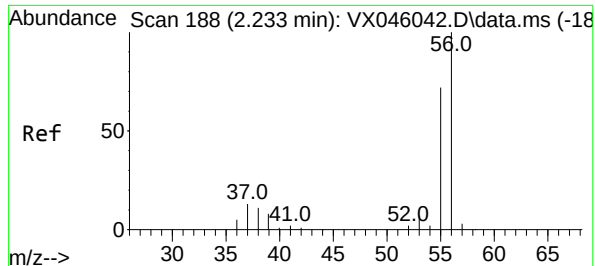
Ion Ratio Lower Upper

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

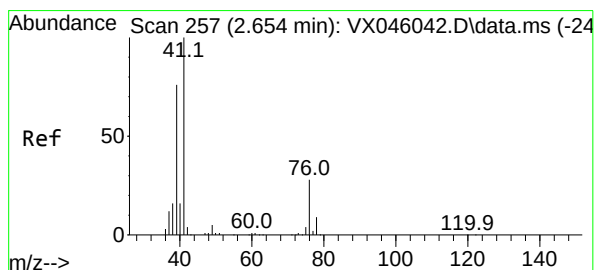
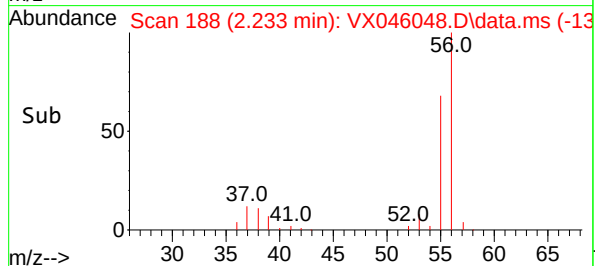
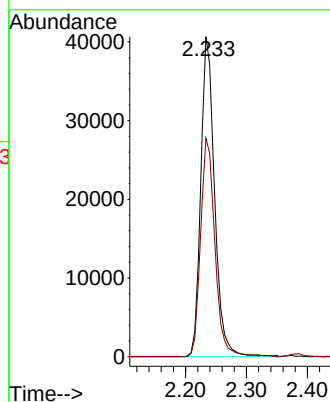
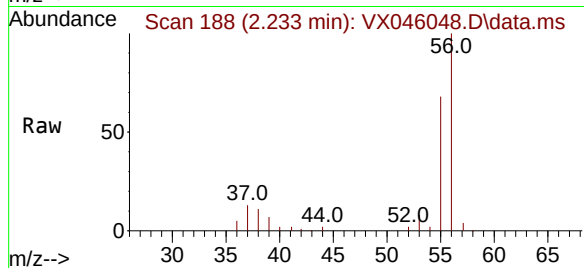
55 70.8 56.2 84.4

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

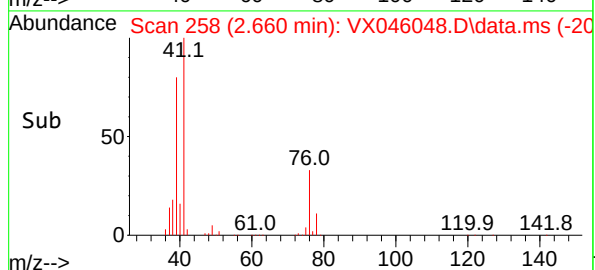
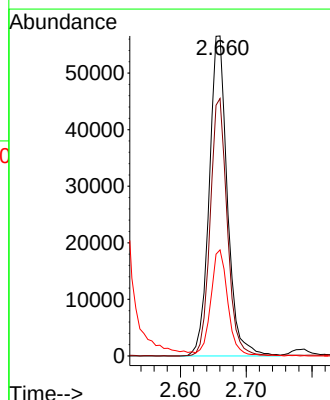
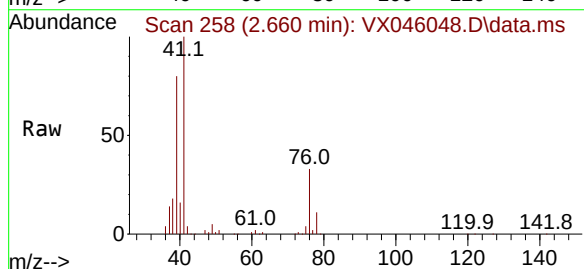
Tgt Ion: 41 Resp: 108757

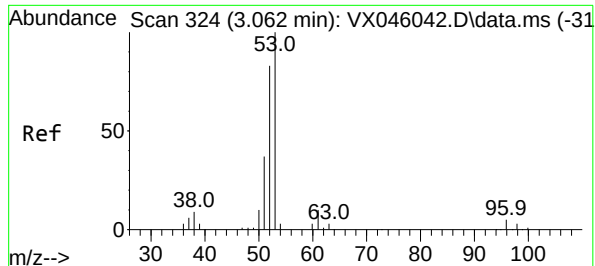
Ion Ratio Lower Upper

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

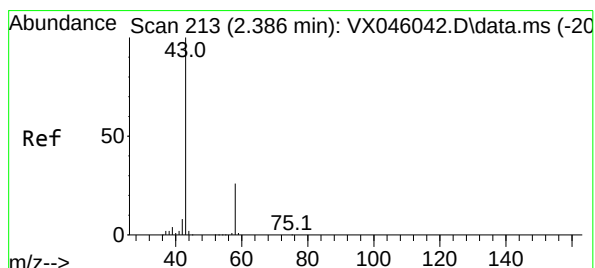
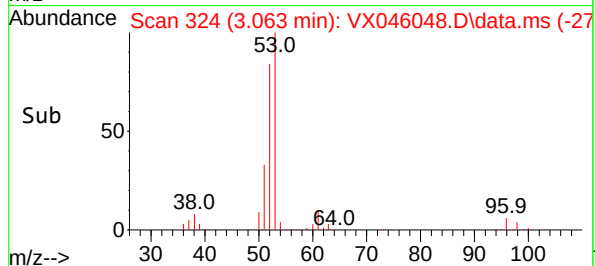
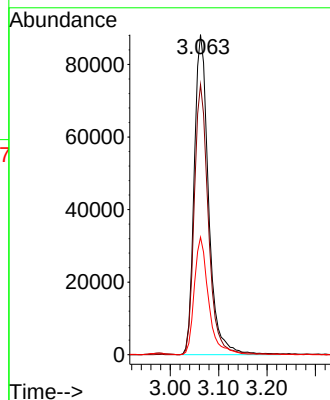
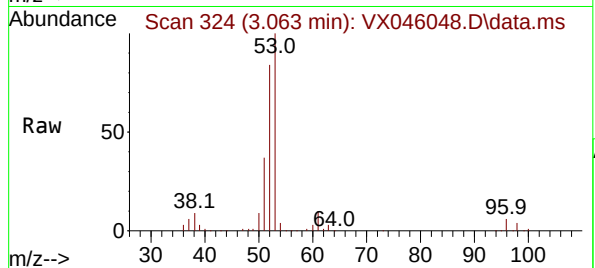
51 36.5 29.8 44.8

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

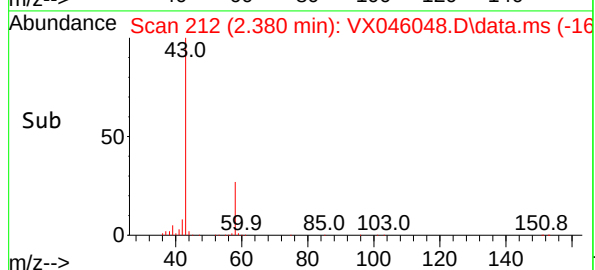
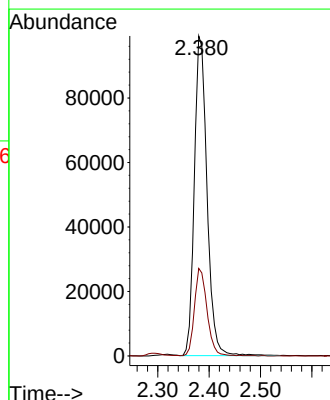
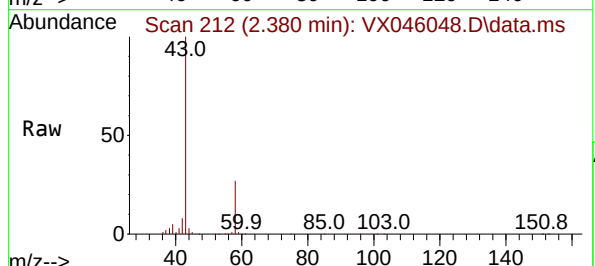
Acq: 05 May 2025 16:50

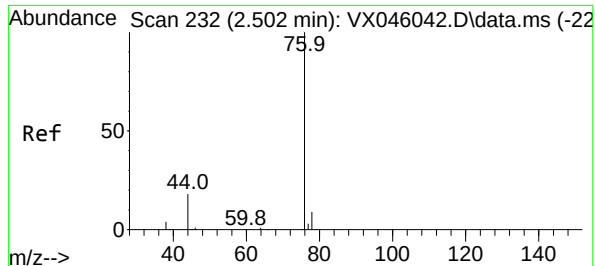
Tgt Ion: 43 Resp: 169923

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

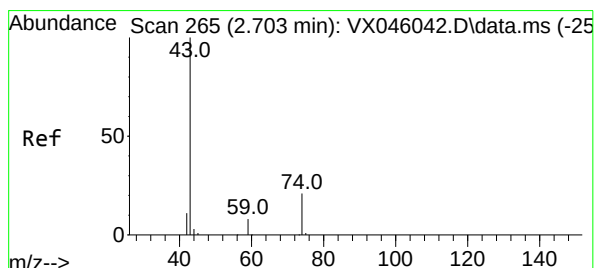
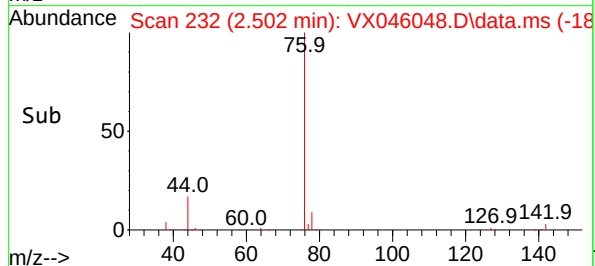
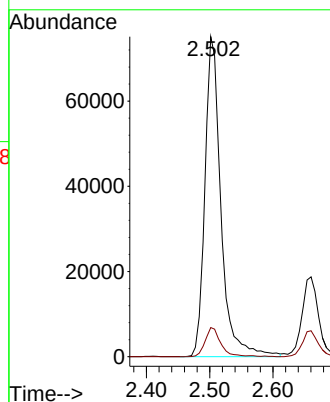
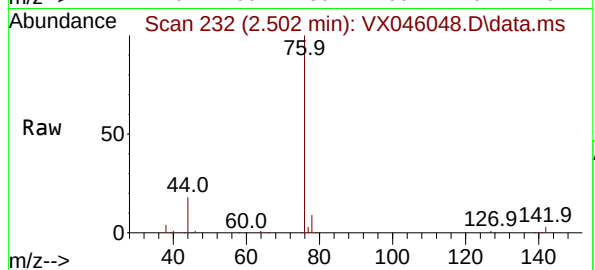
78 9.1 7.0 10.4

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

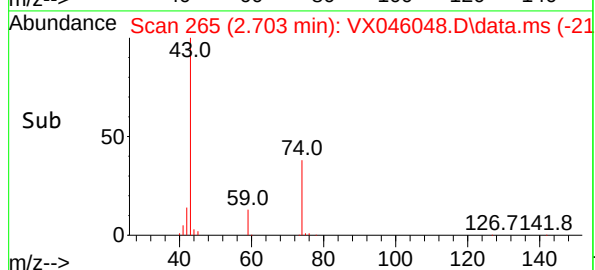
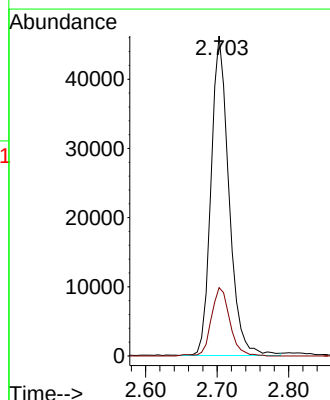
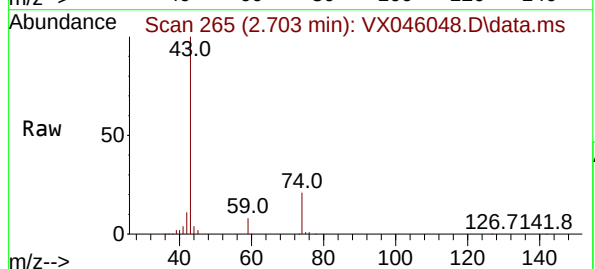
Acq: 05 May 2025 16:50

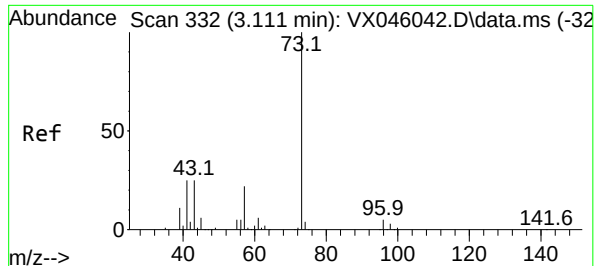
Tgt Ion: 43 Resp: 80251

Ion Ratio Lower Upper

43 100

74 22.1 16.7 25.1





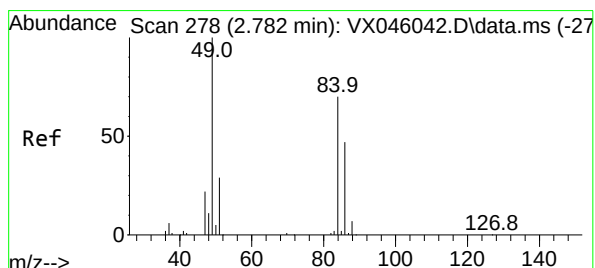
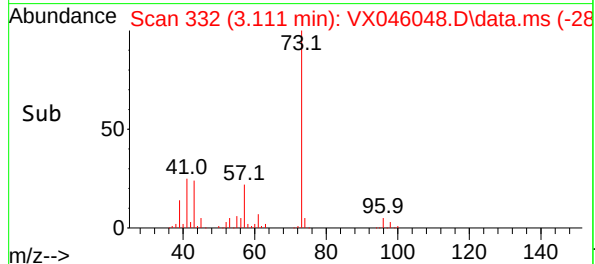
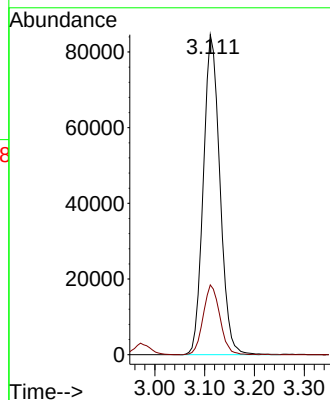
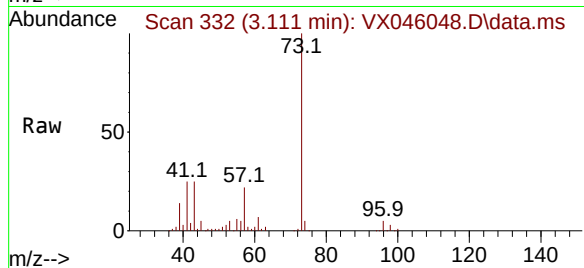
#19
Methyl tert-butyl Ether
Concen: 50.777 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion: 73 Resp: 19544
Ion Ratio Lower Upper
73 100
57 21.8 17.7 26.5

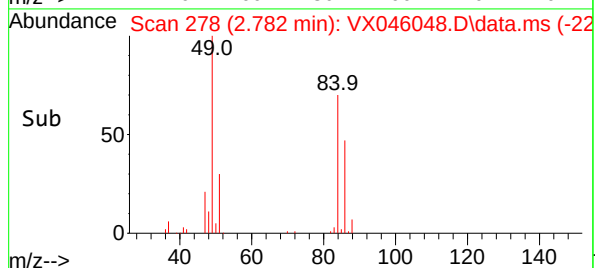
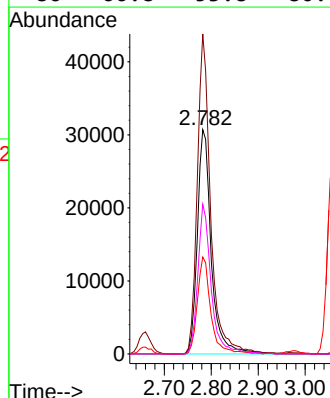
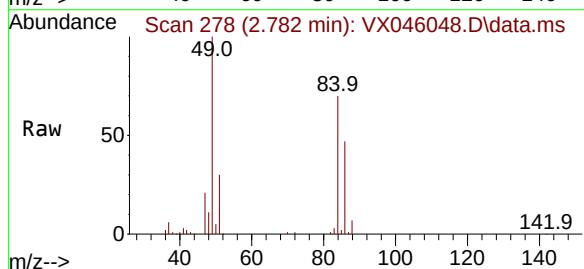
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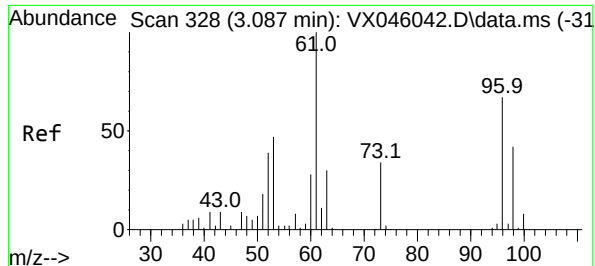
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

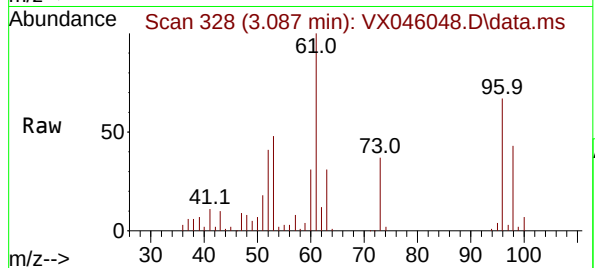
Tgt Ion: 84 Resp: 63369
Ion Ratio Lower Upper
84 100
49 142.7 113.9 170.9
51 43.3 33.5 50.3
86 66.8 53.8 80.8





#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

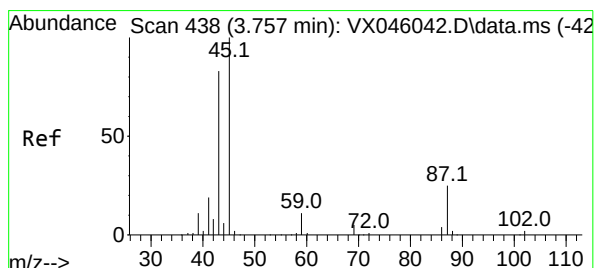
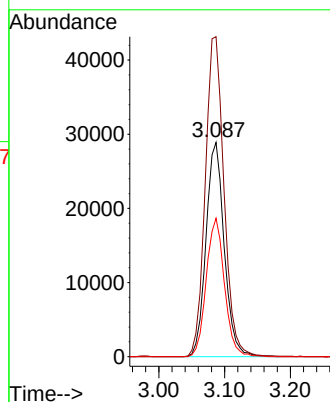
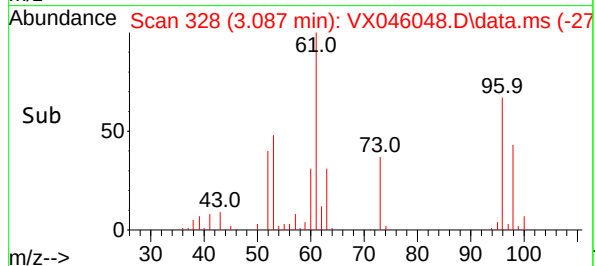
Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525



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

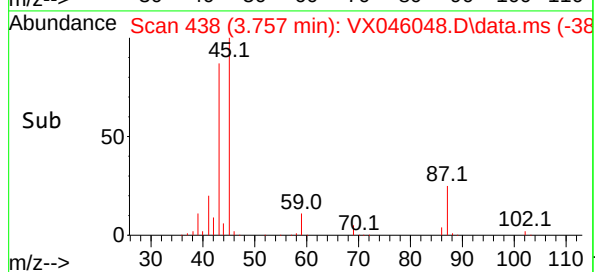
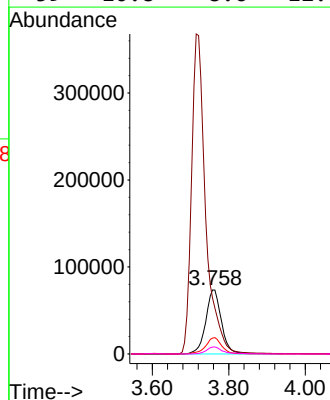
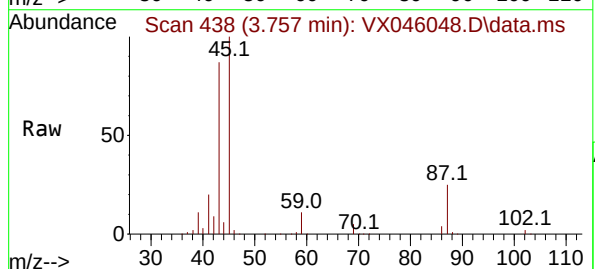
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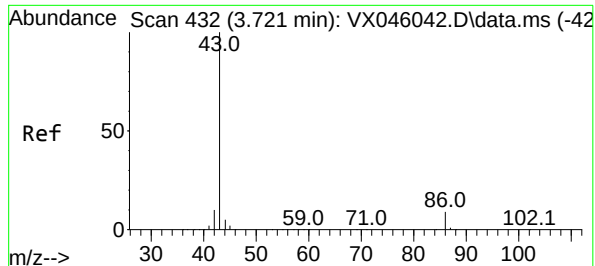
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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





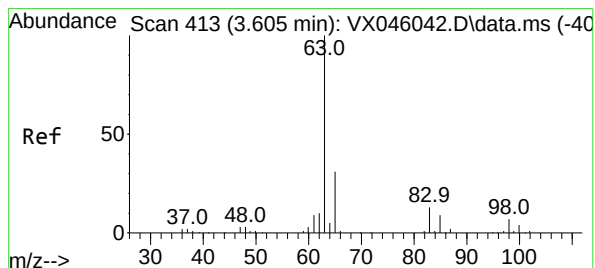
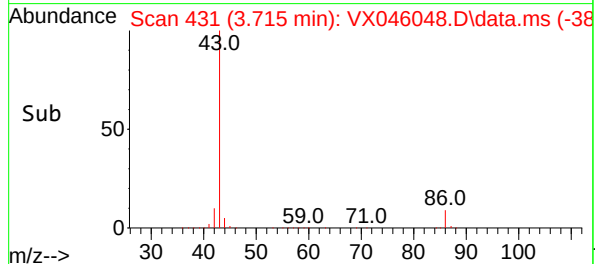
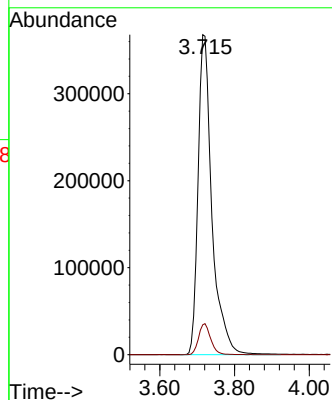
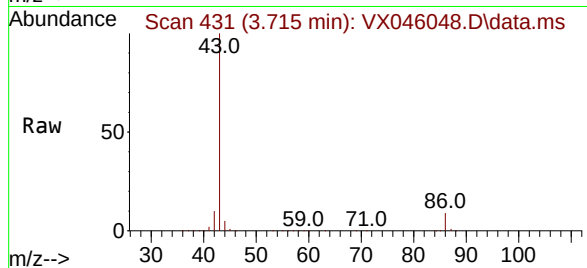
#23
Vinyl Acetate
Concen: 265.585 ug/l
RT: 3.715 min Scan# 411
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVX050525

Tgt Ion: 43 Resp: 946740
Ion Ratio Lower Upper
43 100
86 9.4 7.5 11.3

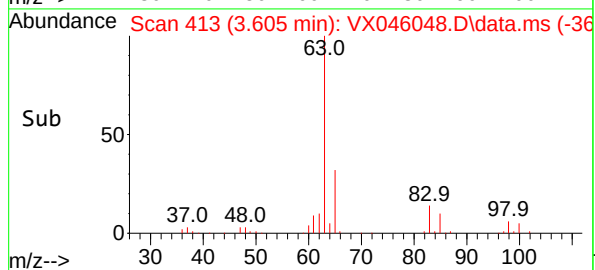
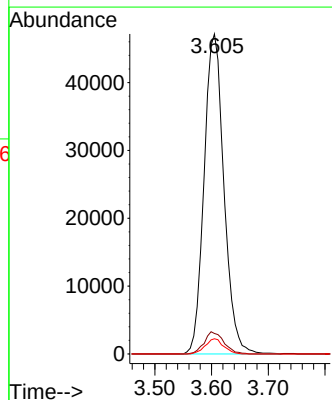
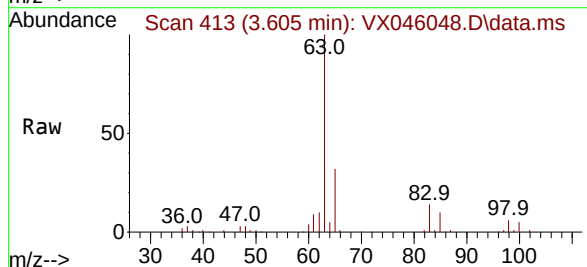
Manual Integrations
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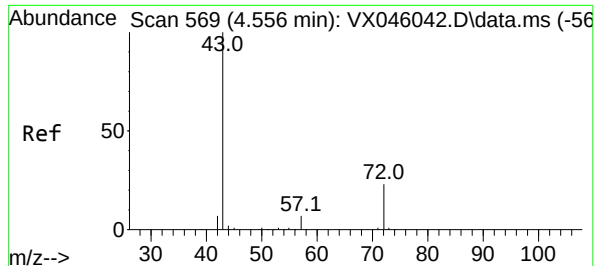
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

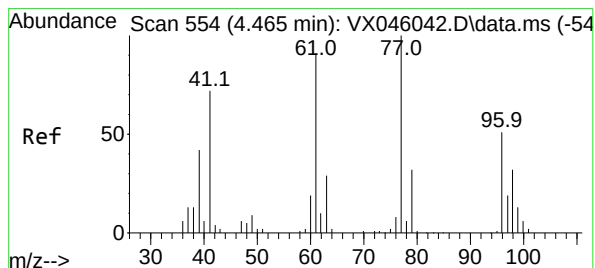
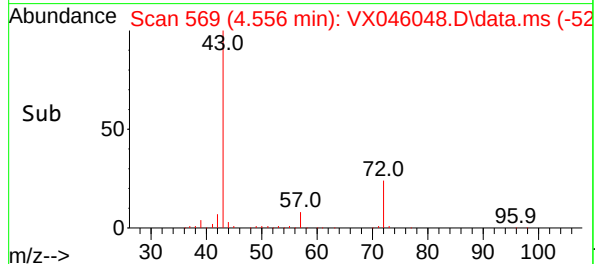
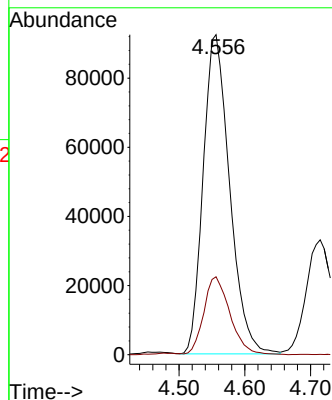
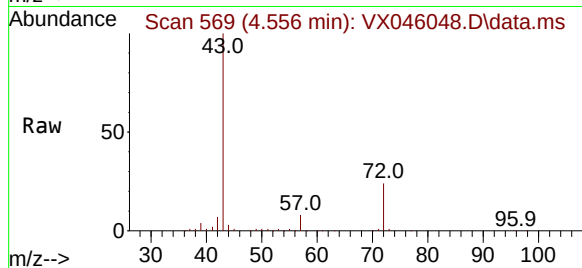
72 24.3 18.4 27.6

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

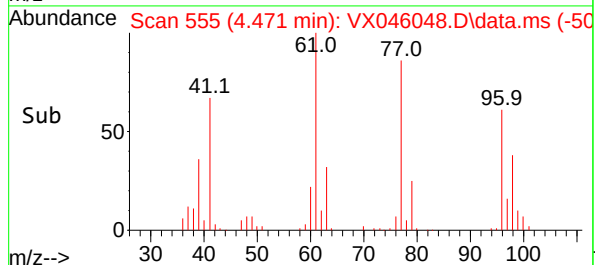
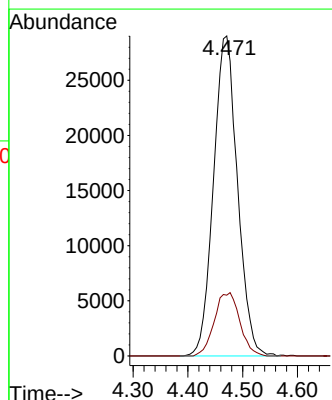
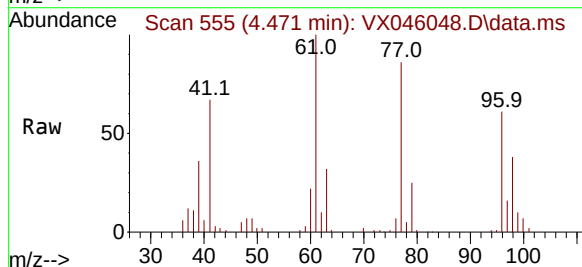
Acq: 05 May 2025 16:50

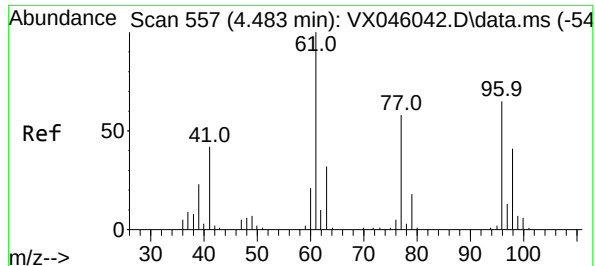
Tgt Ion: 77 Resp: 88229

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

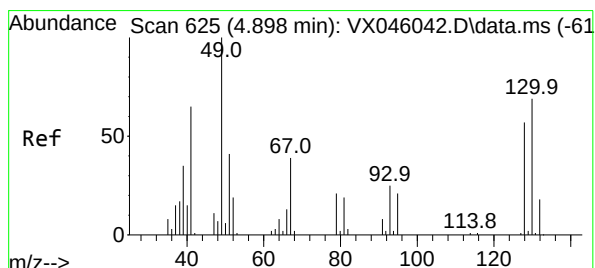
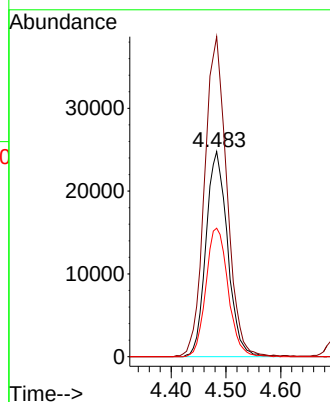
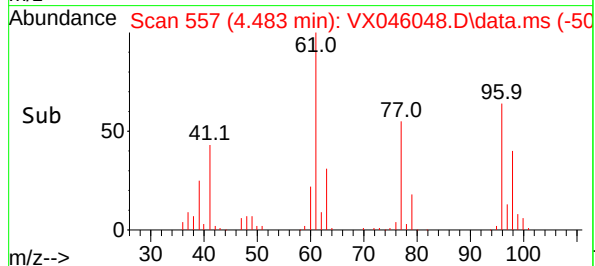
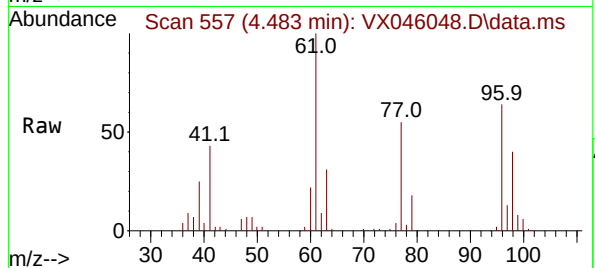
98 64.4 0.0 129.0

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

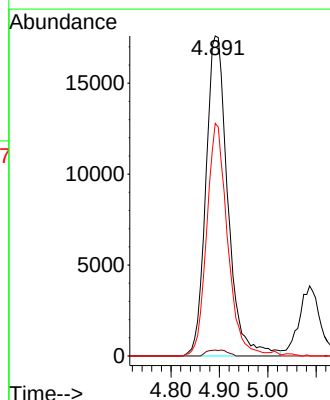
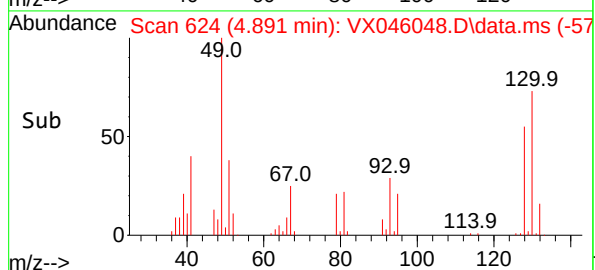
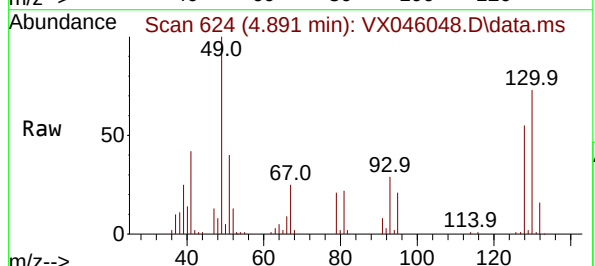
Tgt Ion: 49 Resp: 55390

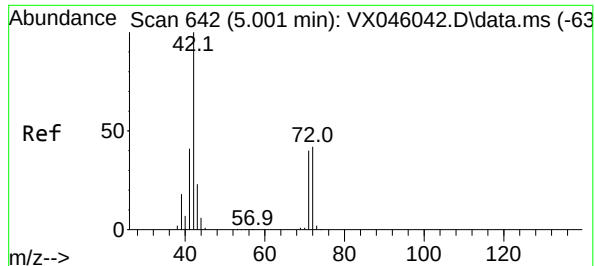
Ion Ratio Lower Upper

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

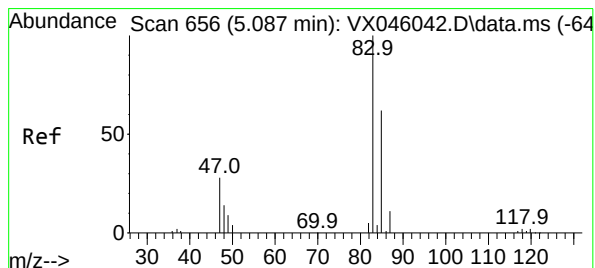
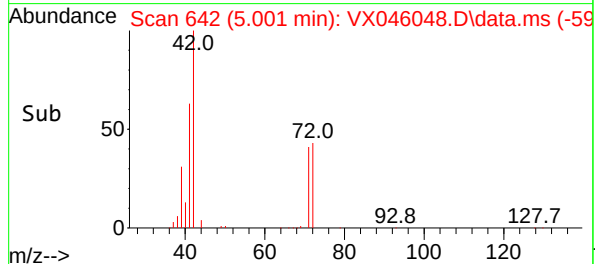
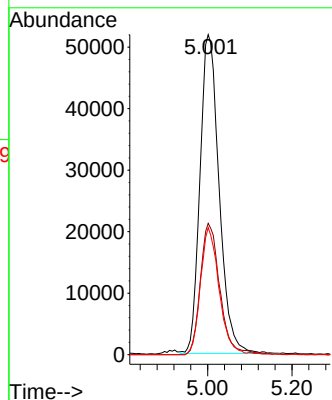
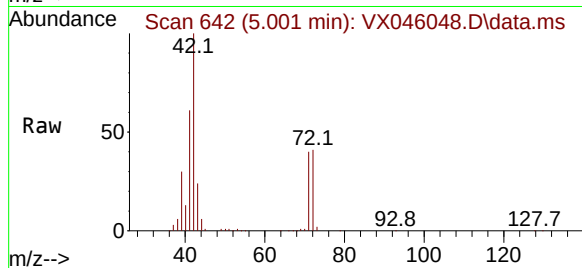
71 38.5 31.4 47.2

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

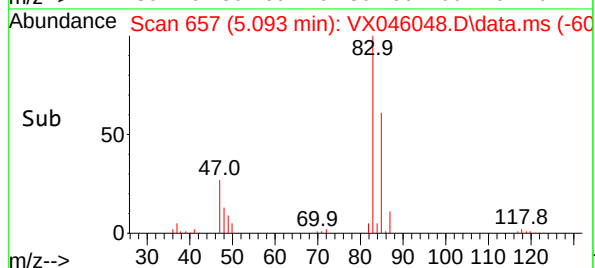
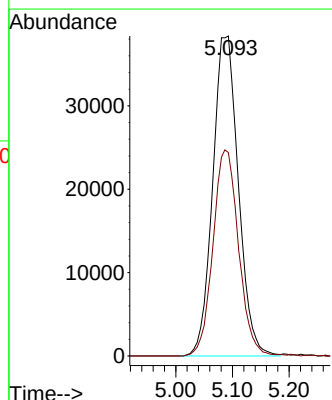
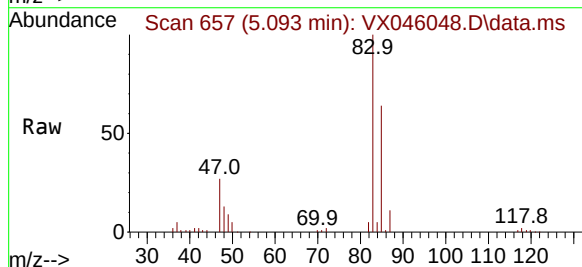
Acq: 05 May 2025 16:50

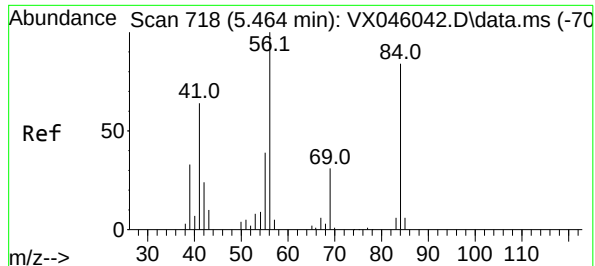
Tgt Ion: 83 Resp: 120782

Ion Ratio Lower Upper

83 100

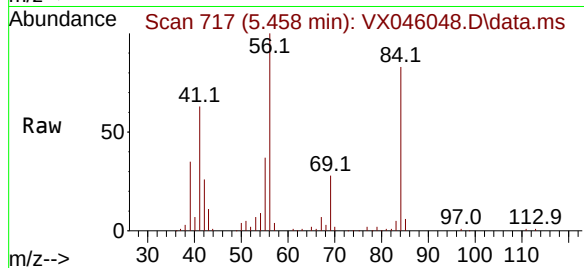
85 63.6 49.3 73.9





#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

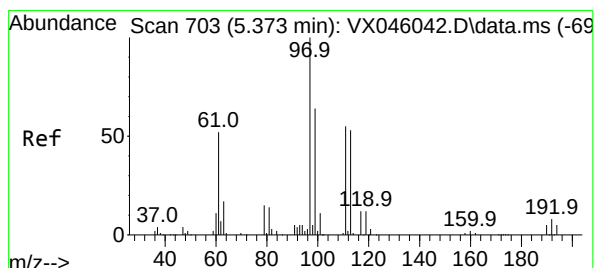
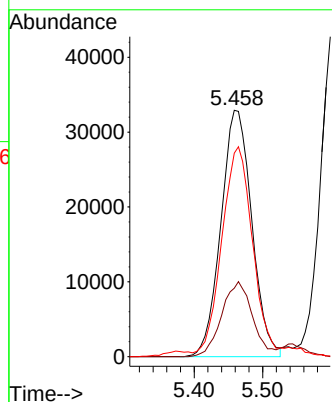
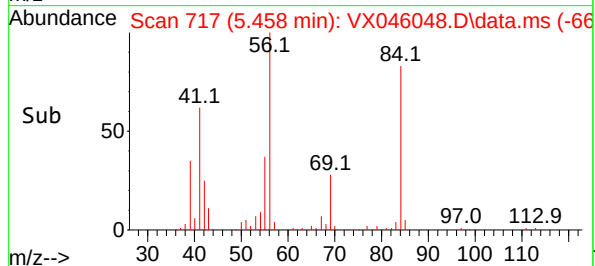
Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525



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

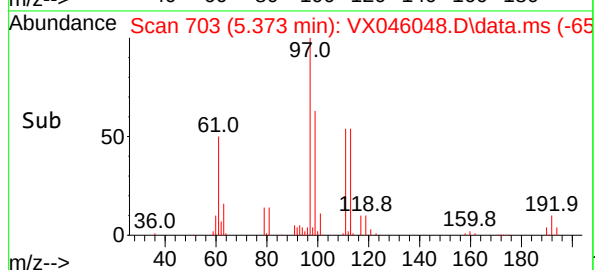
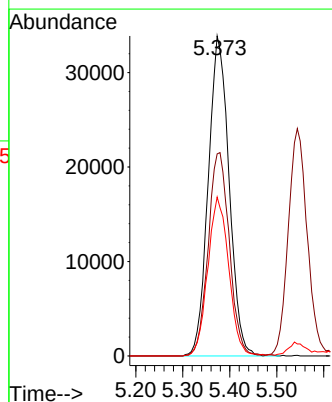
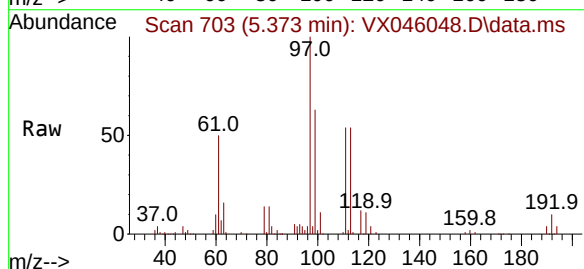
Manual Integrations
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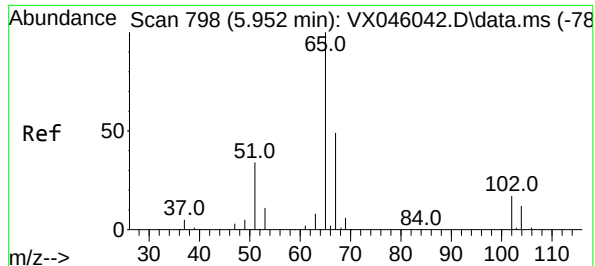
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

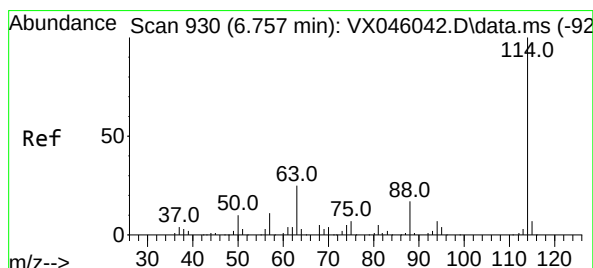
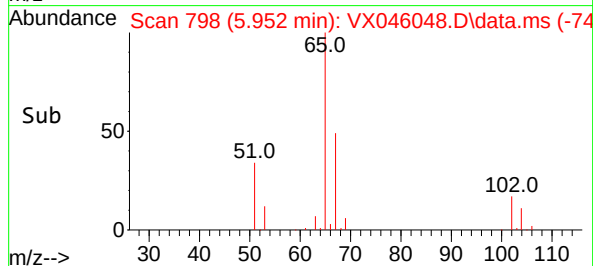
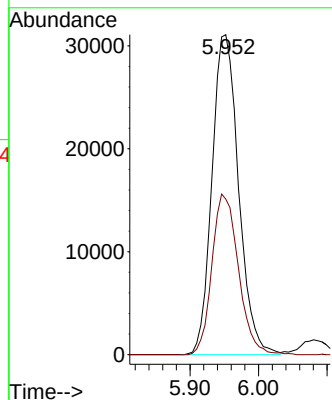
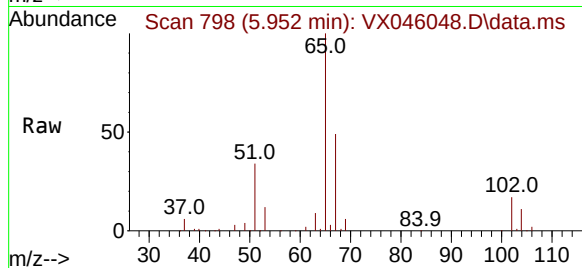
67 50.0 0.0 99.0

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

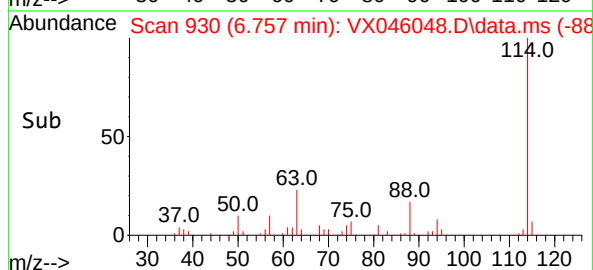
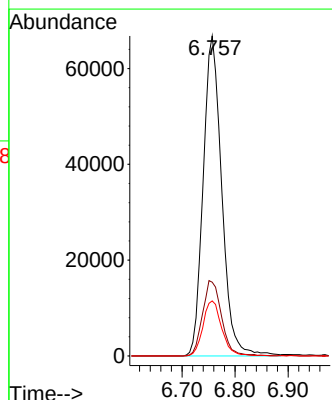
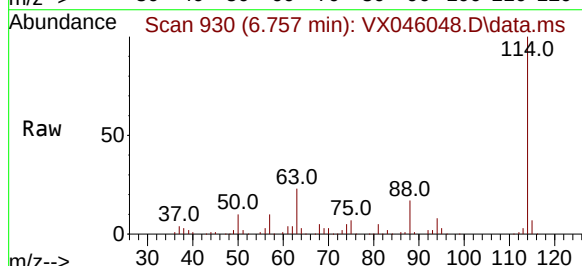
Tgt Ion:114 Resp: 162651

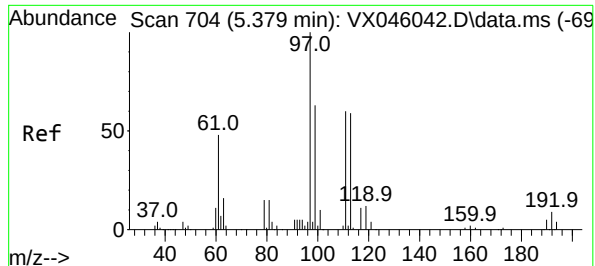
Ion Ratio Lower Upper

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

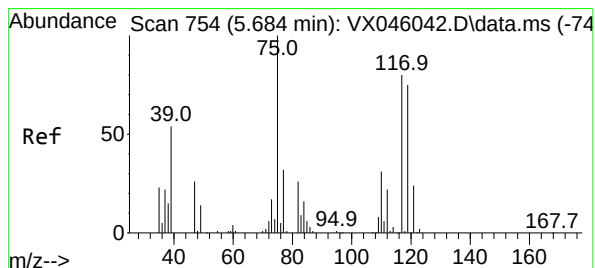
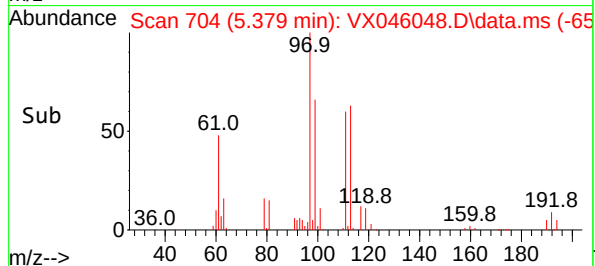
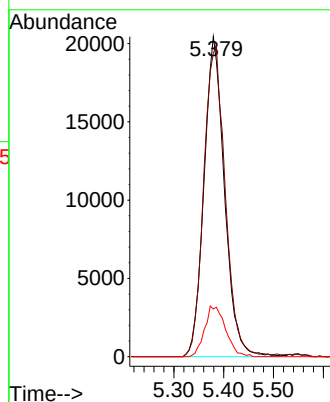
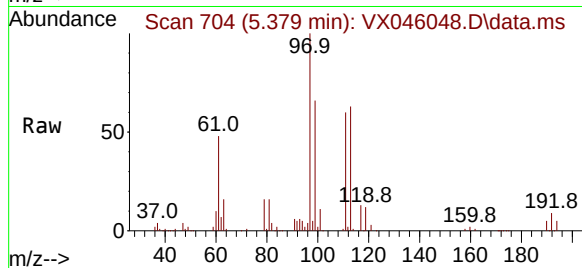
Tgt Ion:	113	Resp:	5819
Ion Ratio	Lower	Upper	
113	100		
111	102.1	83.1	124.7
192	16.2	13.3	19.9

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

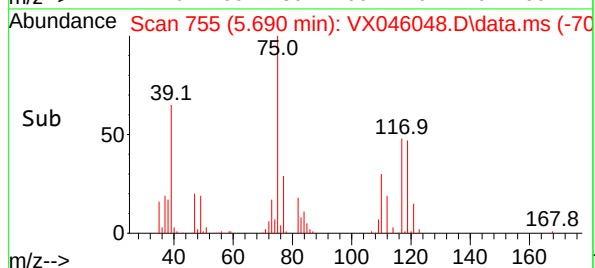
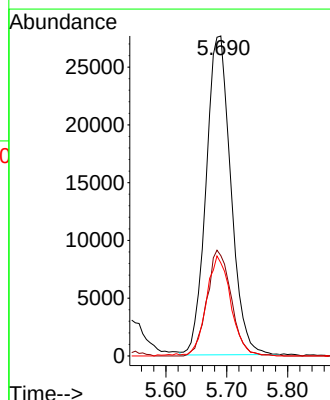
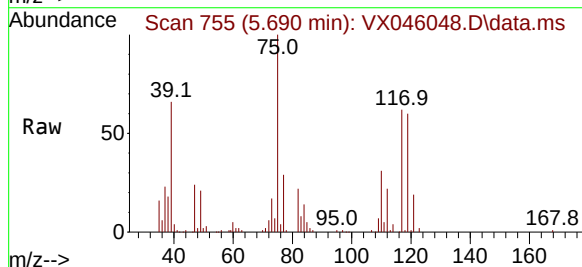
RT: 5.690 min Scan# 755

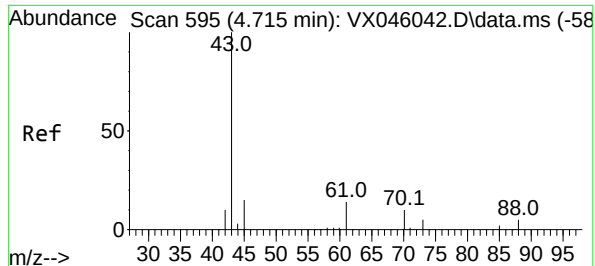
Delta R.T. 0.006 min

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

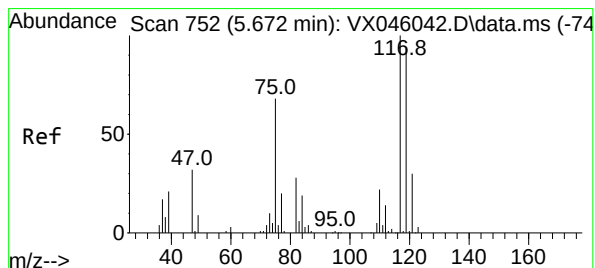
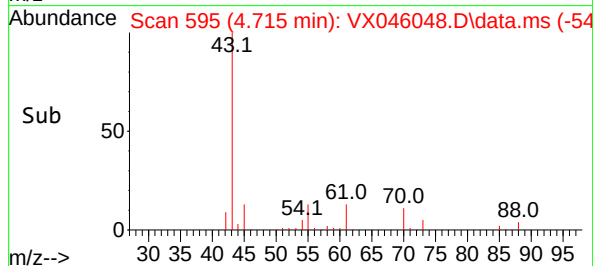
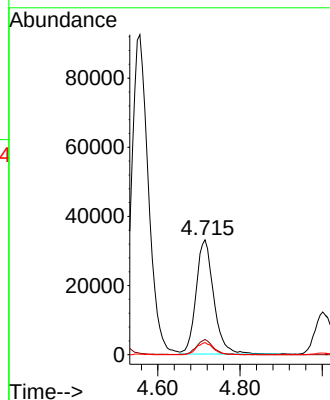
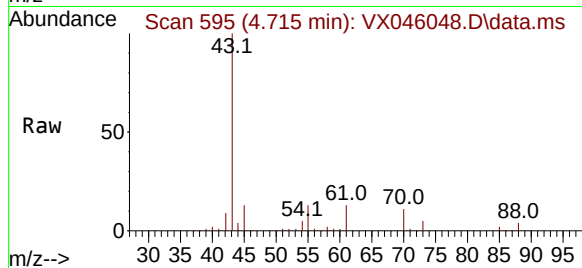
Tgt Ion: 43 Resp: 98604
Ion Ratio Lower Upper
43 100
61 12.6 10.3 15.5
70 10.0 7.9 11.9

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

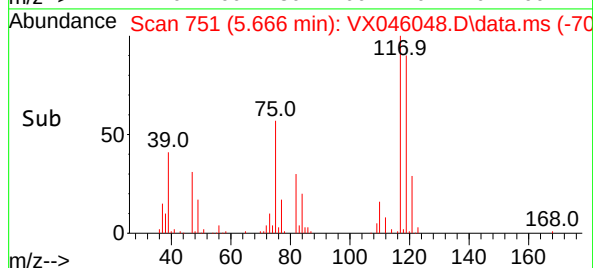
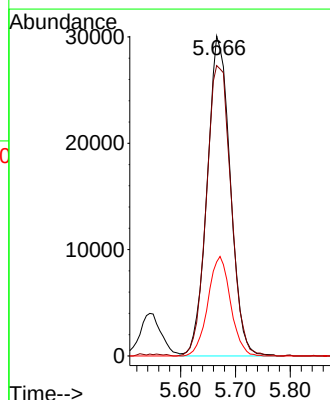
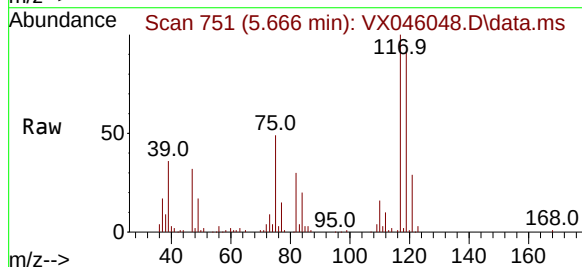
RT: 5.666 min Scan# 751

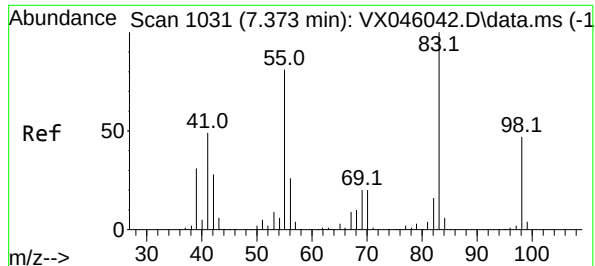
Delta R.T. -0.006 min

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

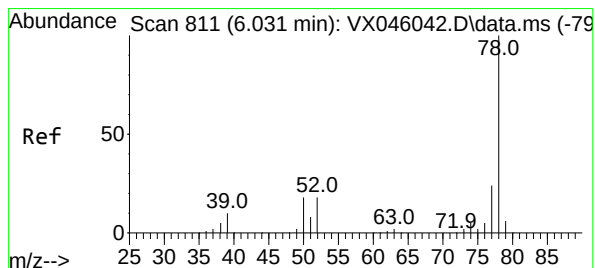
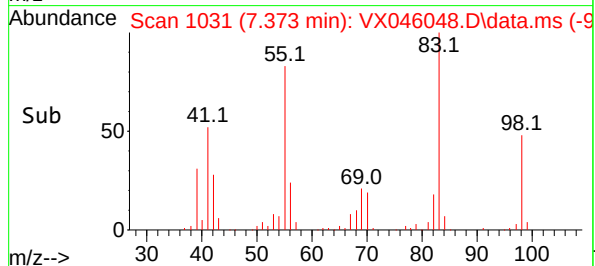
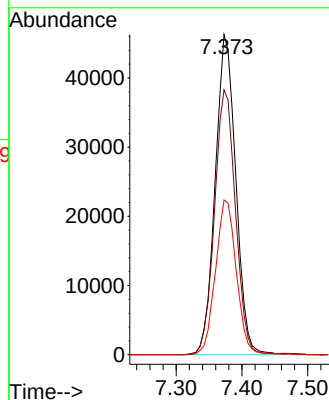
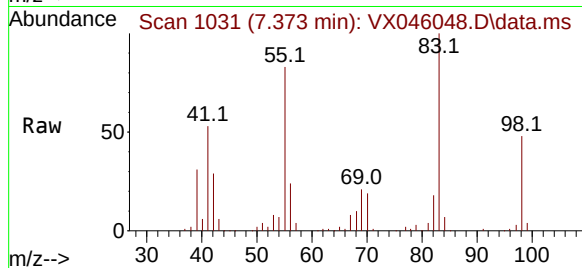
98 48.3 37.4 56.2

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

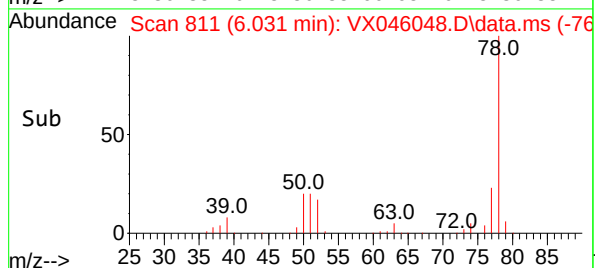
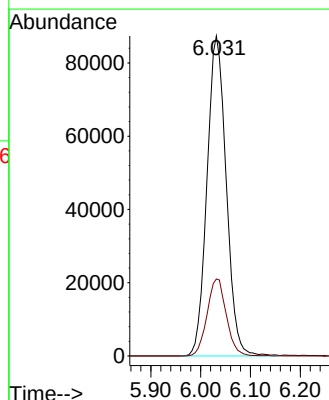
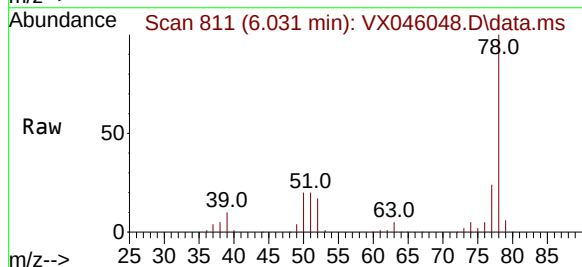
Acq: 05 May 2025 16:50

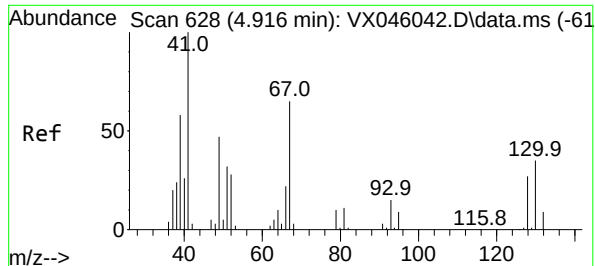
Tgt Ion: 78 Resp: 233977

Ion Ratio Lower Upper

78 100

77 24.0 19.0 28.4





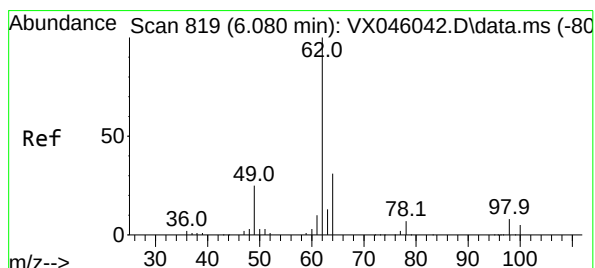
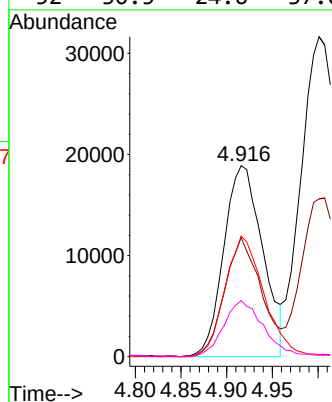
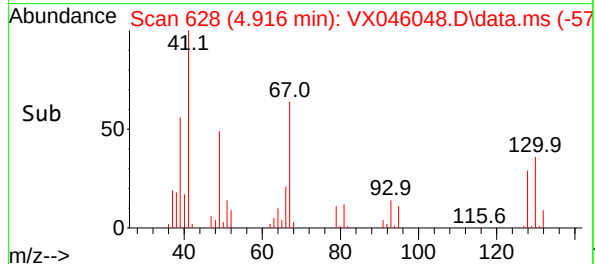
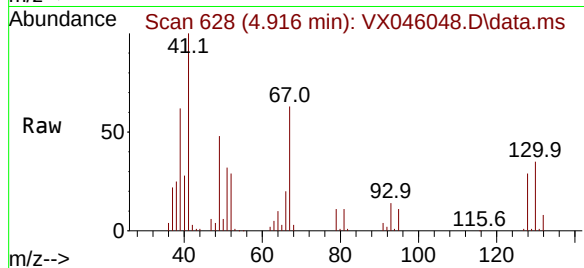
#41
Methacrylonitrile
Concen: 55.076 ug/l
RT: 4.916 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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

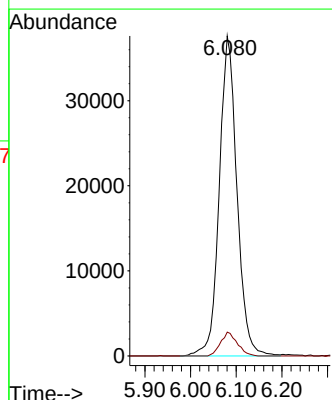
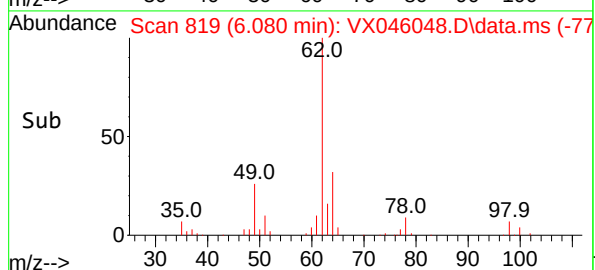
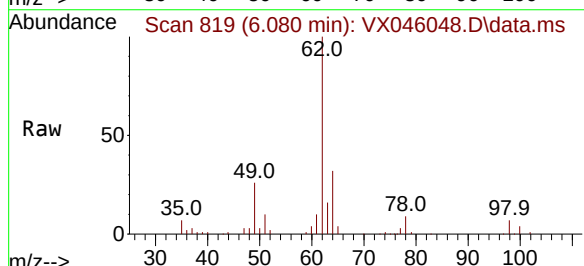
Manual Integrations
APPROVED

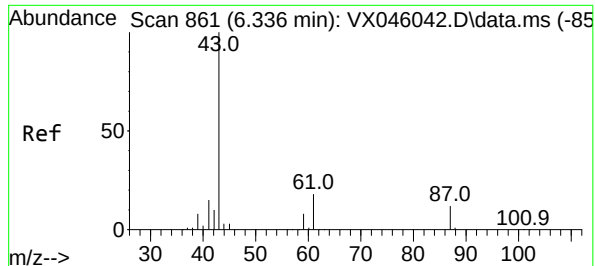
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

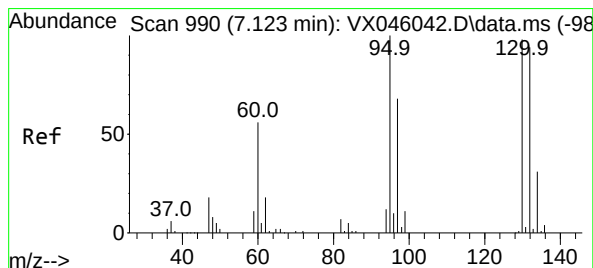
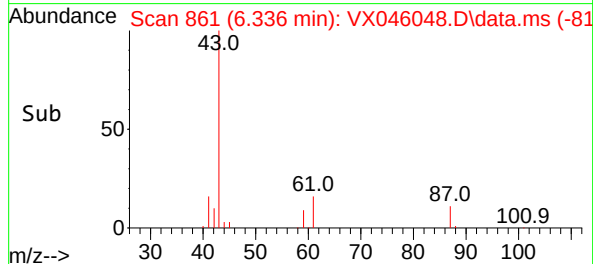
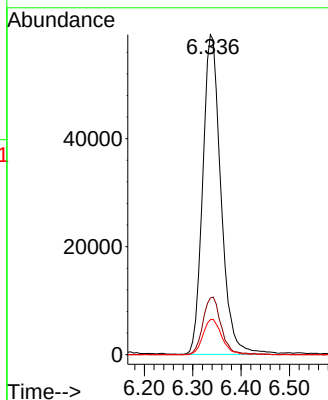
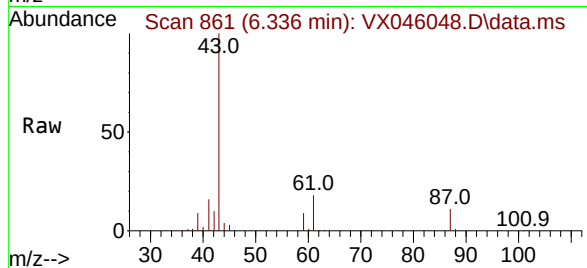
87 11.4 9.5 14.3

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

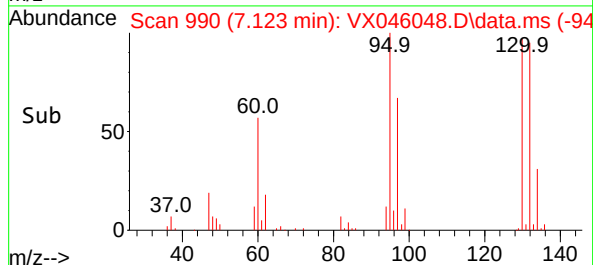
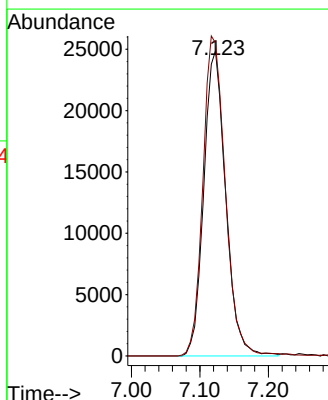
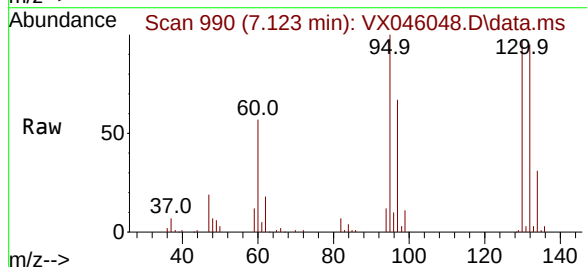
Acq: 05 May 2025 16:50

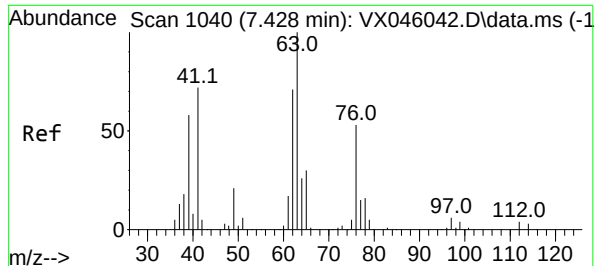
Tgt Ion:130 Resp: 55491

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

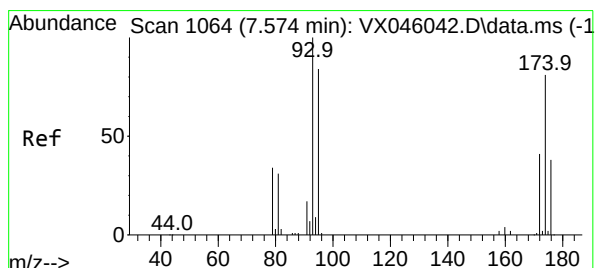
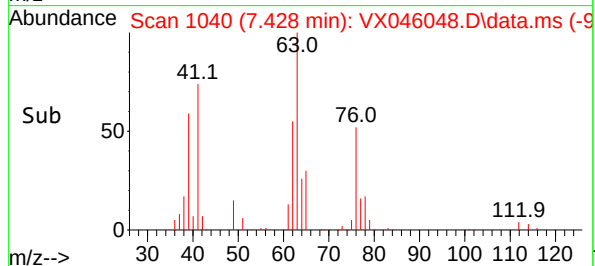
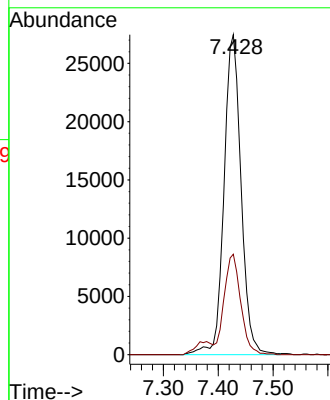
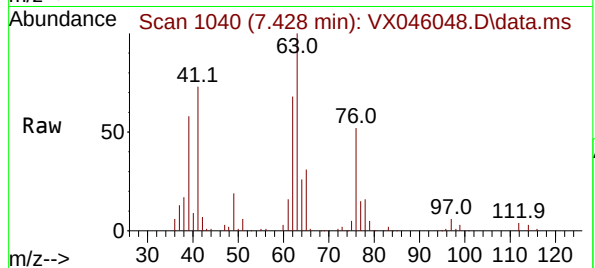
65 31.4 24.1 36.1

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

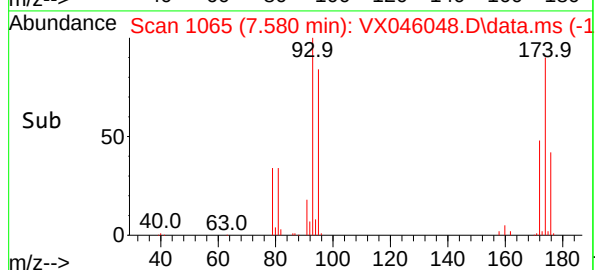
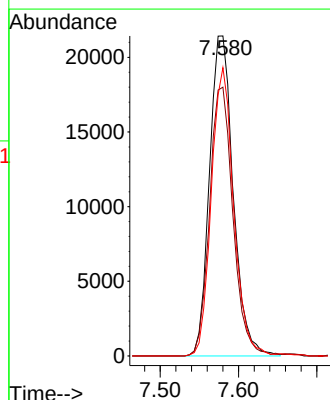
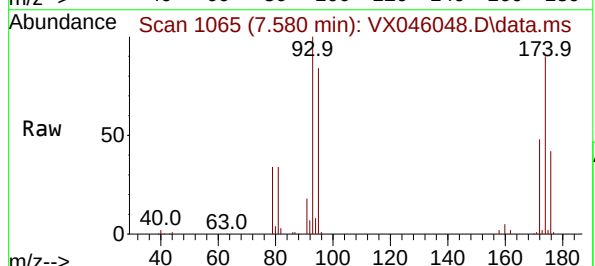
Tgt Ion: 93 Resp: 45181

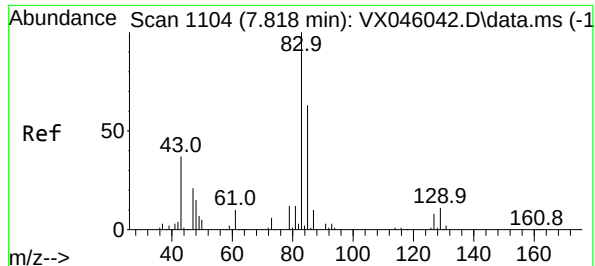
Ion Ratio Lower Upper

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

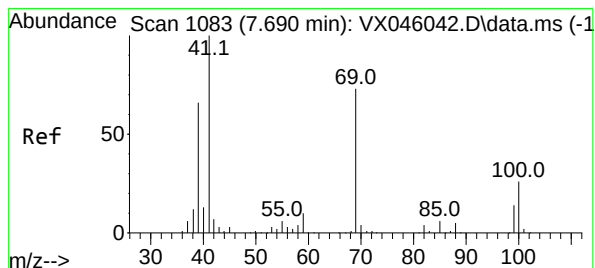
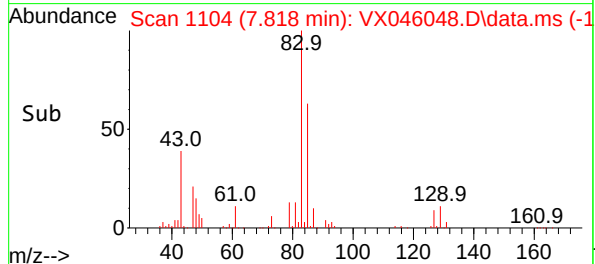
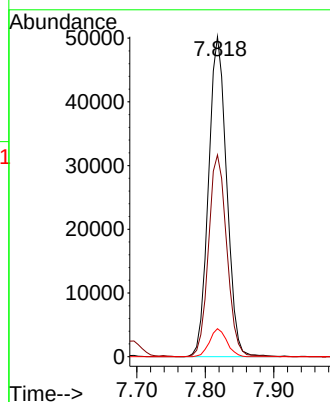
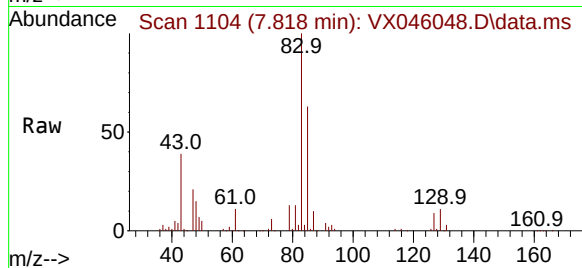
Tgt Ion:	83	Resp:	9238
Ion	Ratio	Lower	Upper
83	100		
85	63.0	50.5	75.7
127	8.8	6.5	9.7

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

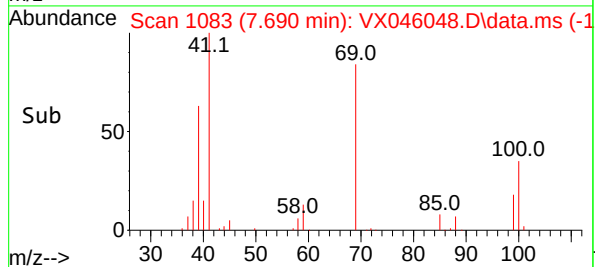
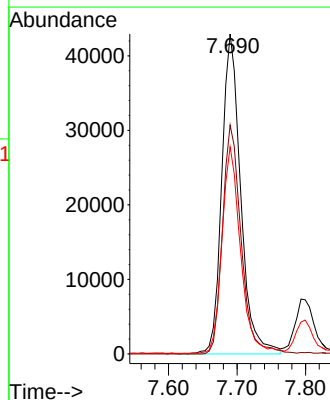
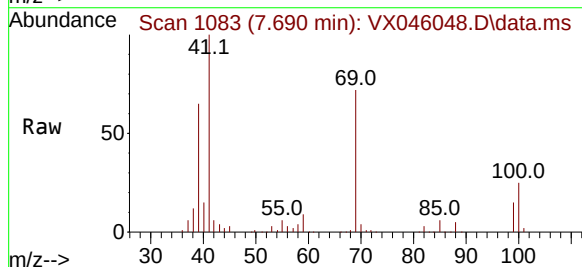
RT: 7.690 min Scan# 1083

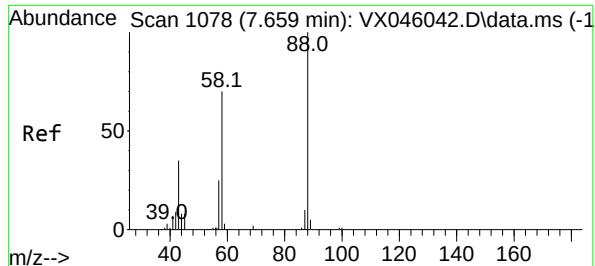
Delta R.T. 0.000 min

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 :

ICVX050525

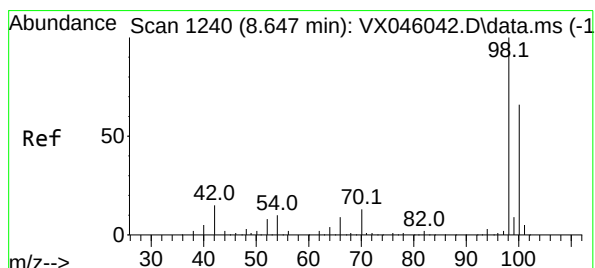
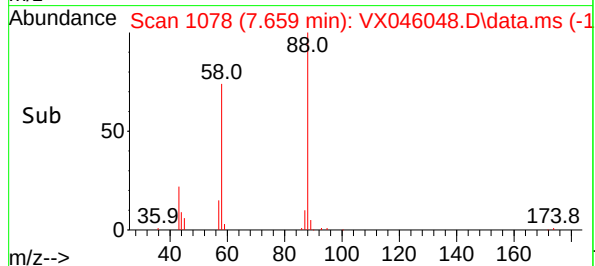
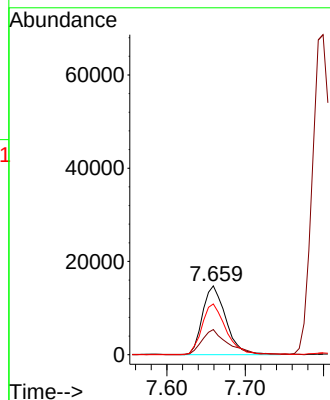
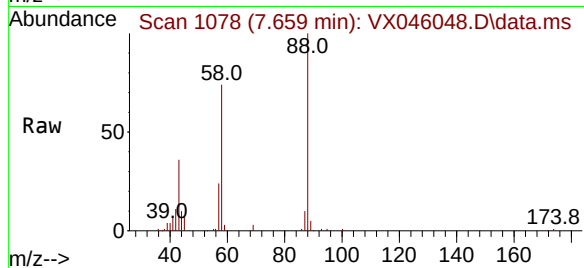
Tgt Ion:	88	Resp:	3047
Ion	Ratio	Lower	Upper
88	100		
43	39.9	33.4	50.2
58	76.2	58.6	88.0

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

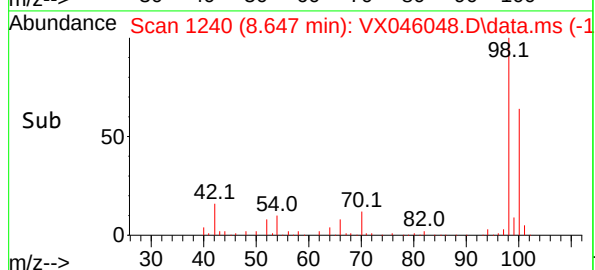
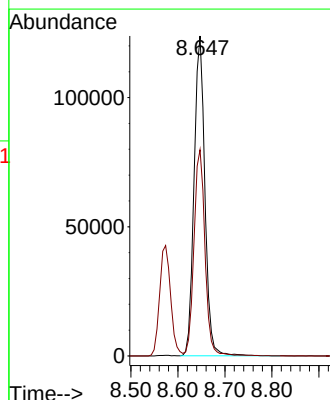
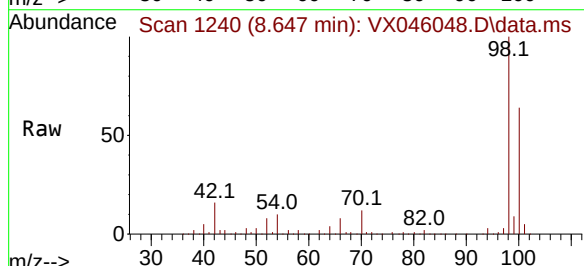
RT: 8.647 min Scan# 1240

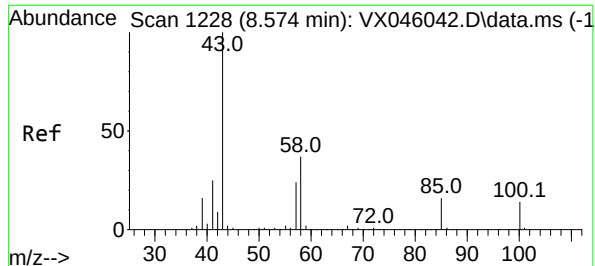
Delta R.T. 0.000 min

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





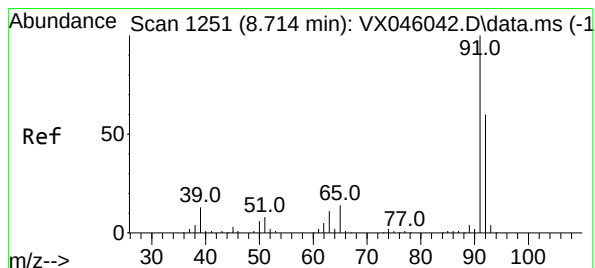
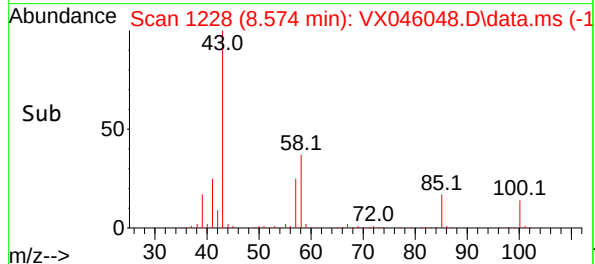
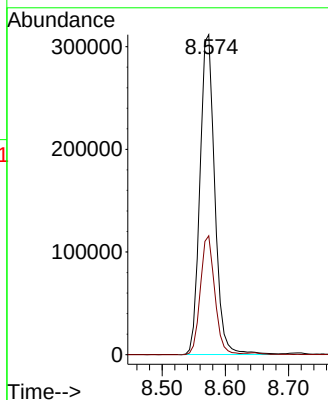
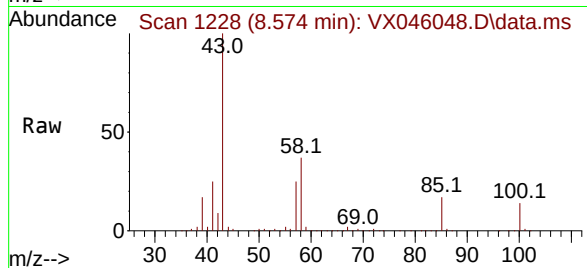
#51
4-Methyl-2-Pentanone
Concen: 259.133 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion: 43 Resp: 510200
Ion Ratio Lower Upper
43 100
58 36.1 28.9 43.3

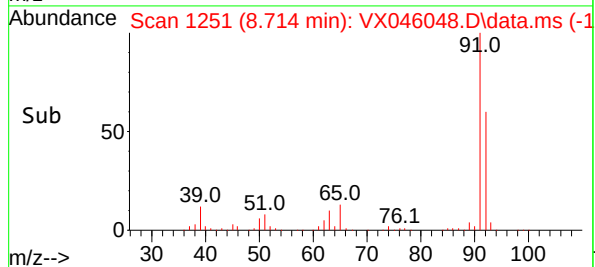
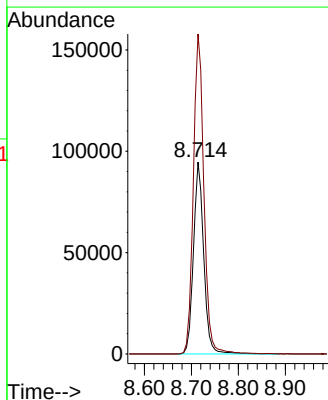
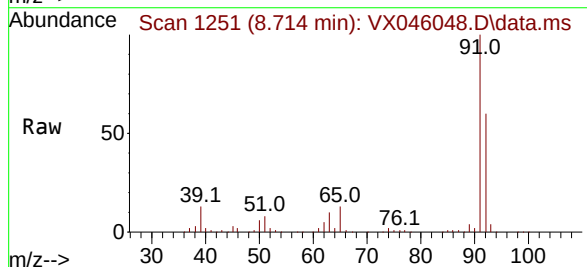
Manual Integrations
APPROVED

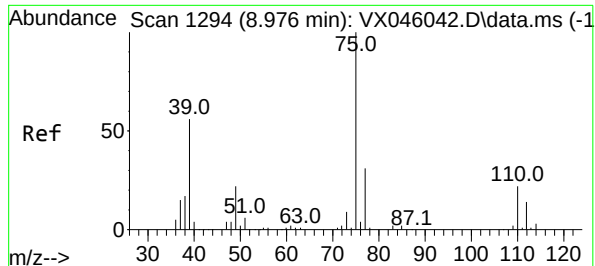
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

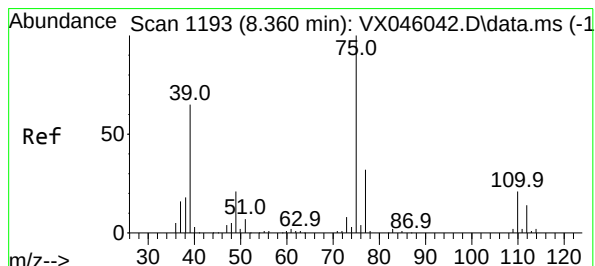
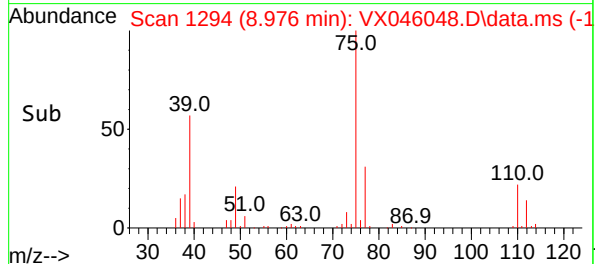
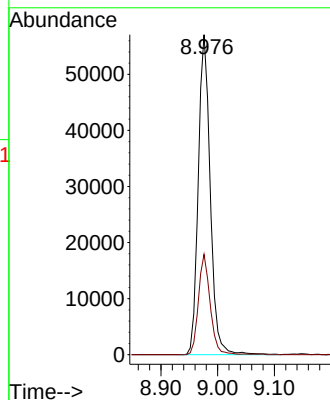
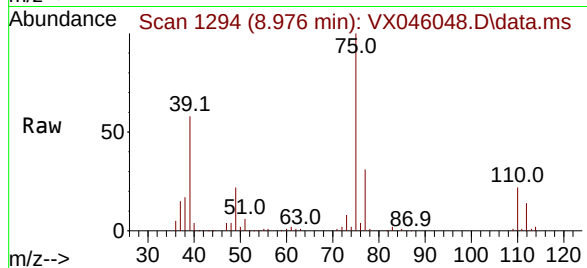
77 31.3 25.0 37.6

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

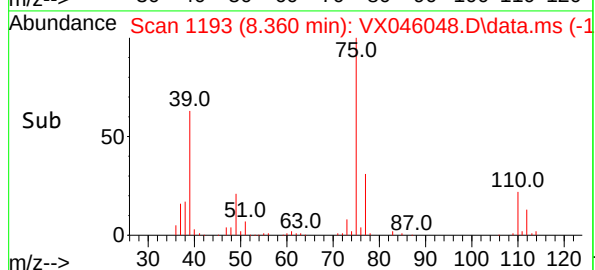
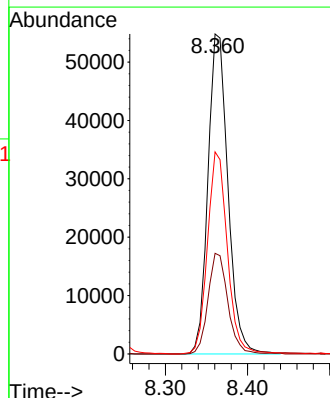
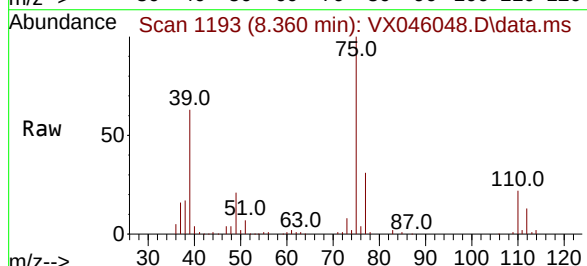
Tgt Ion: 75 Resp: 92517

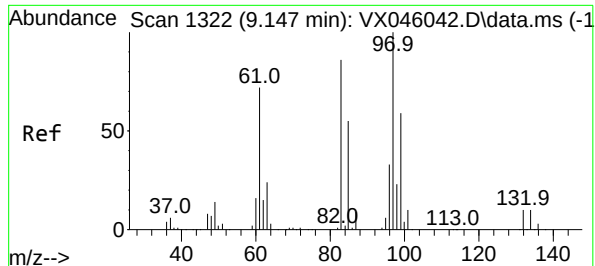
Ion Ratio Lower Upper

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 :

ICVVX050525

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

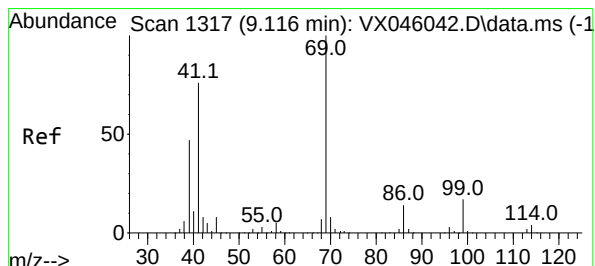
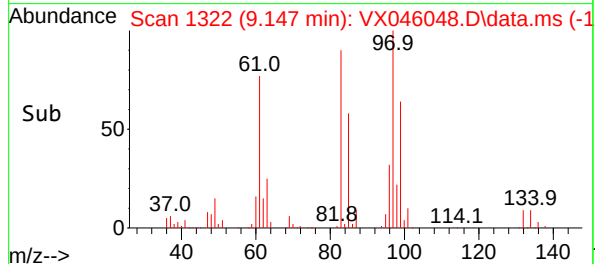
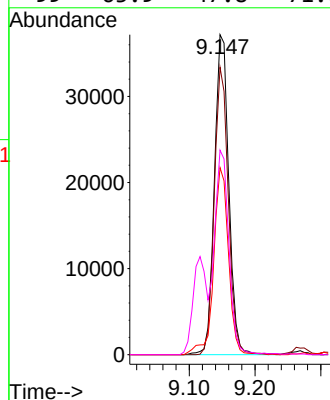
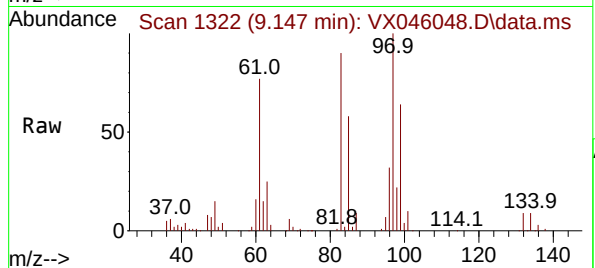
99 63.9 47.8 71.6

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

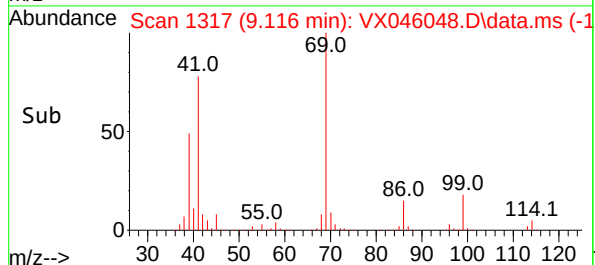
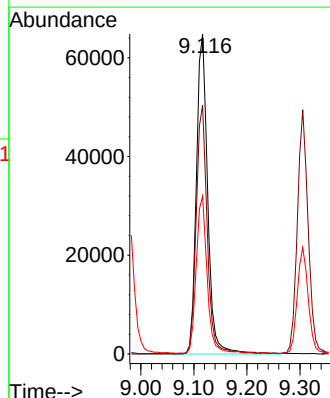
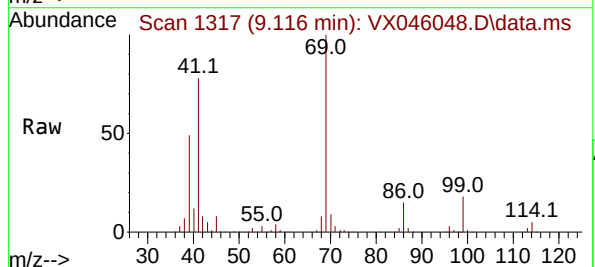
Tgt Ion: 69 Resp: 95772

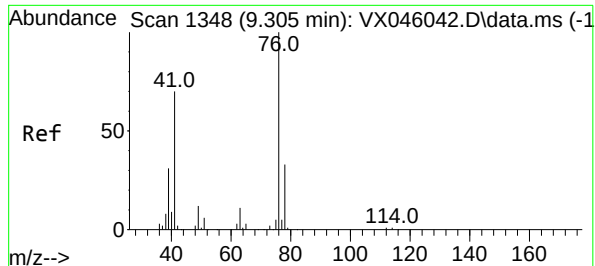
Ion Ratio Lower Upper

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

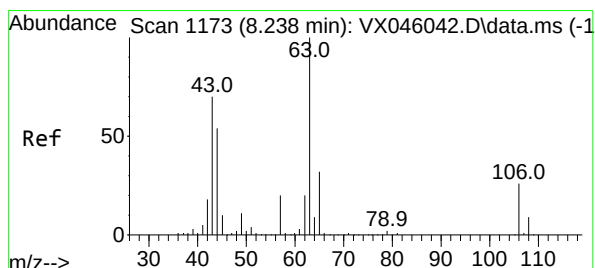
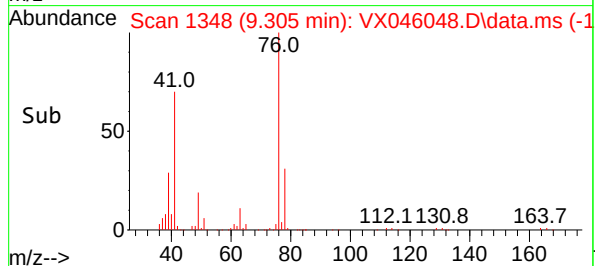
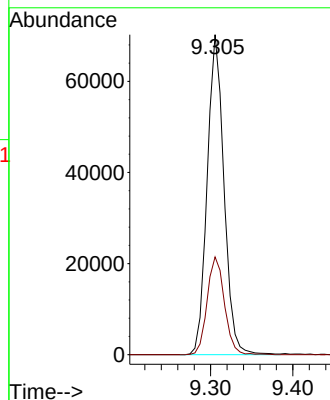
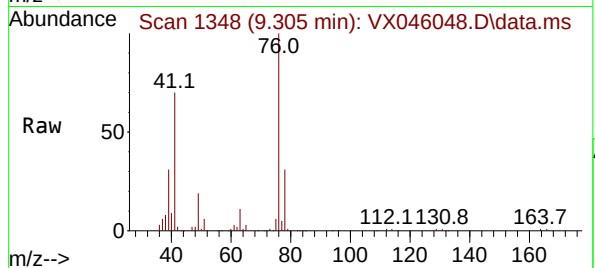
78 31.4 26.3 39.5

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

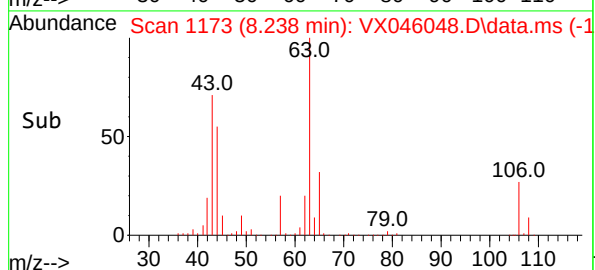
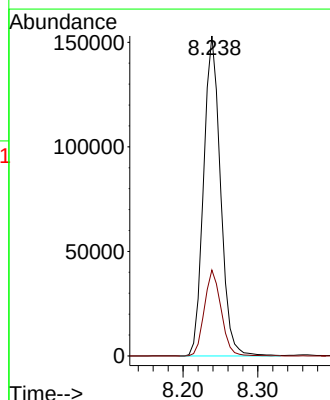
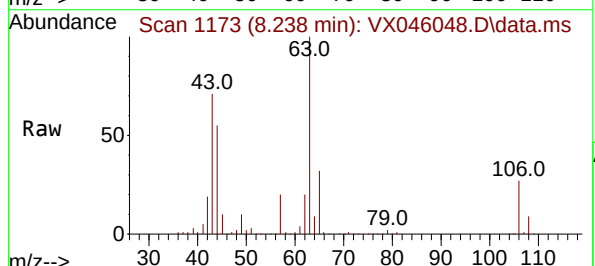
Acq: 05 May 2025 16:50

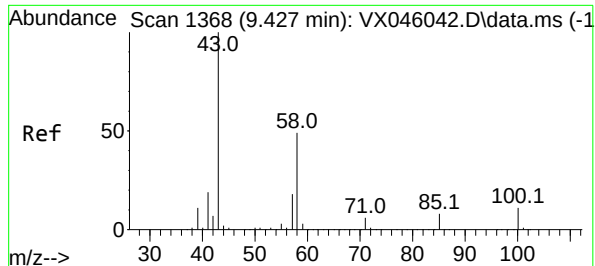
Tgt Ion: 63 Resp: 240681

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

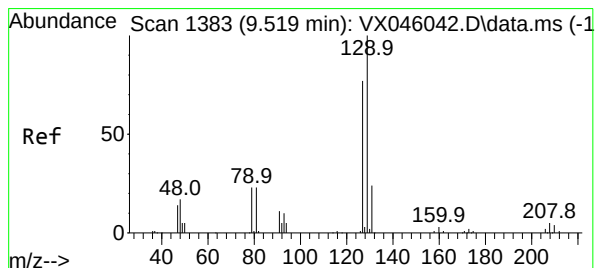
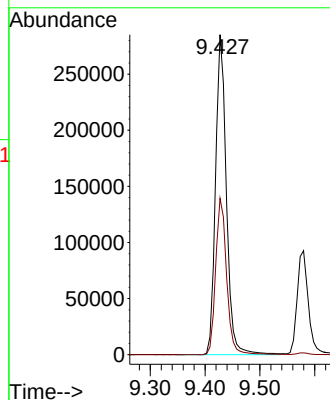
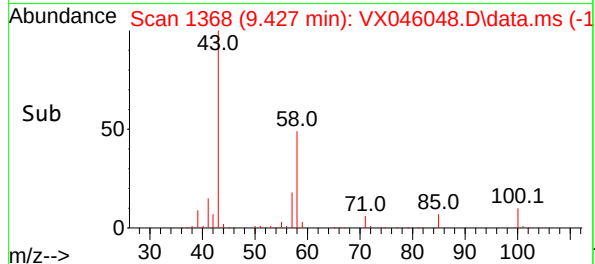
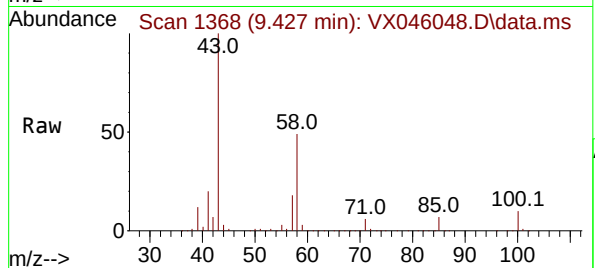
58 49.6 24.9 74.6

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

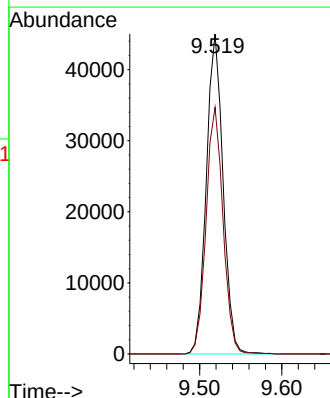
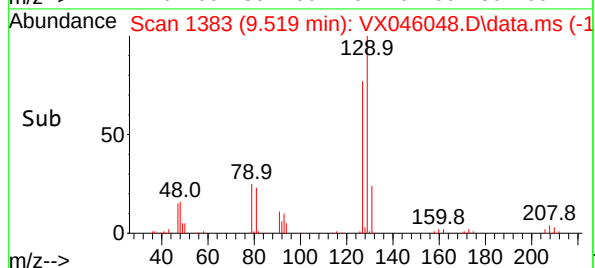
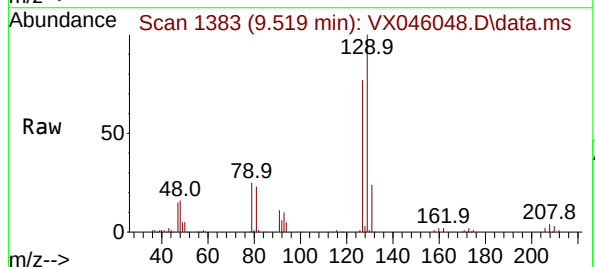
Acq: 05 May 2025 16:50

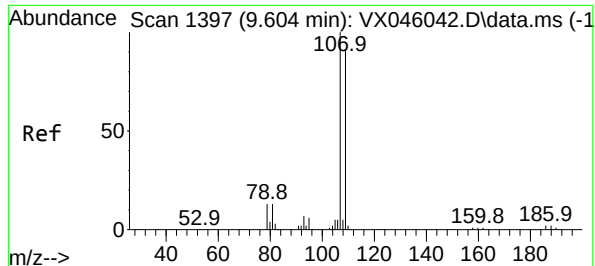
Tgt Ion:129 Resp: 63738

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# 1397

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

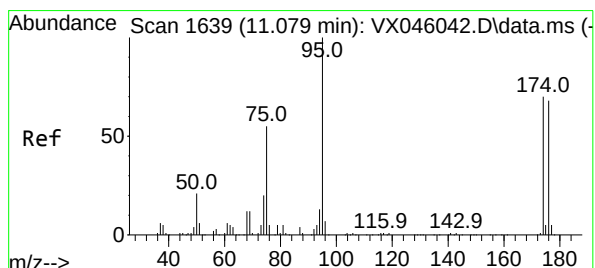
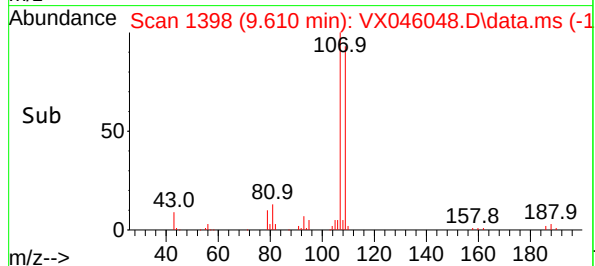
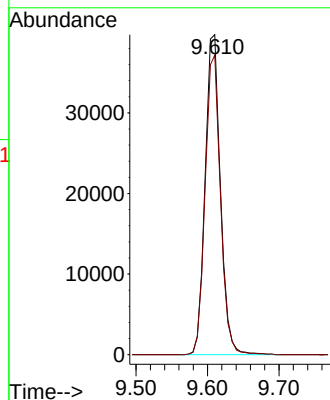
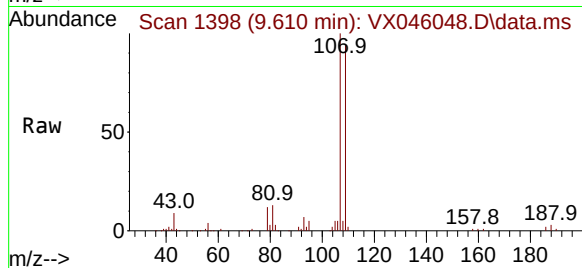
109 93.8 73.3 109.9

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

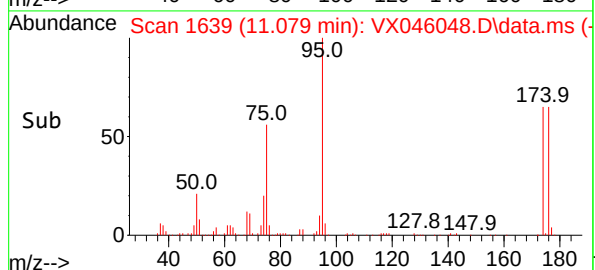
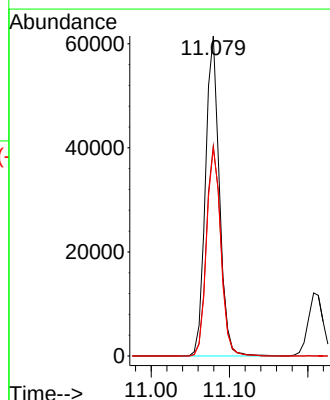
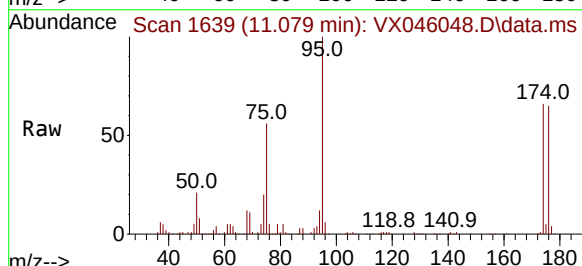
Tgt Ion: 95 Resp: 75568

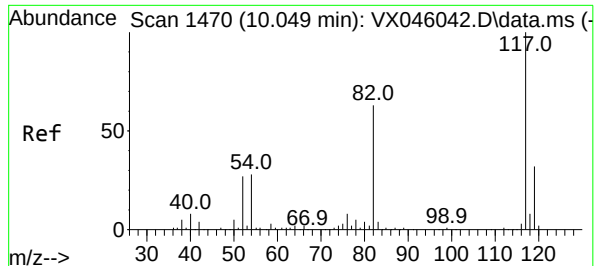
Ion Ratio Lower Upper

95 100

174 68.2 0.0 135.8

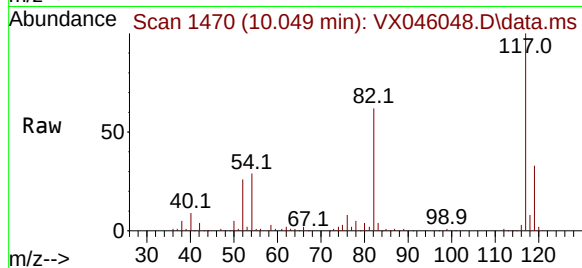
176 66.5 0.0 131.4





#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

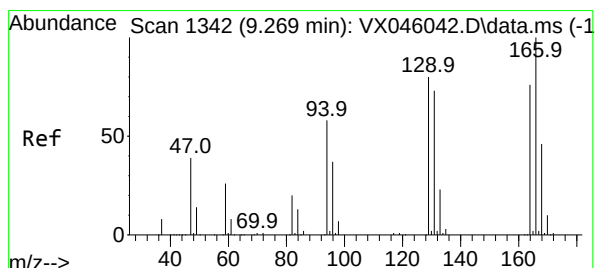
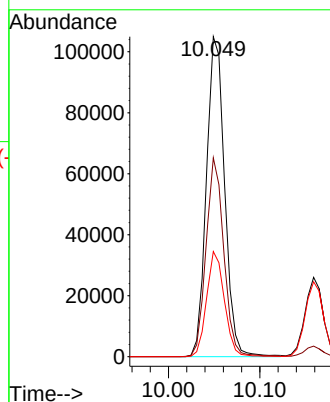
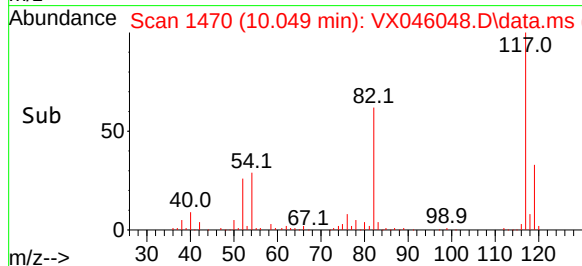
Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525



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

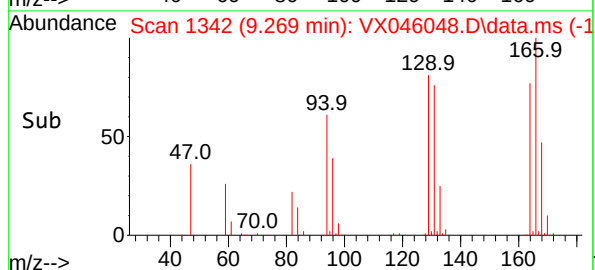
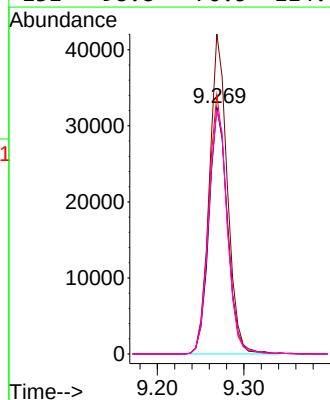
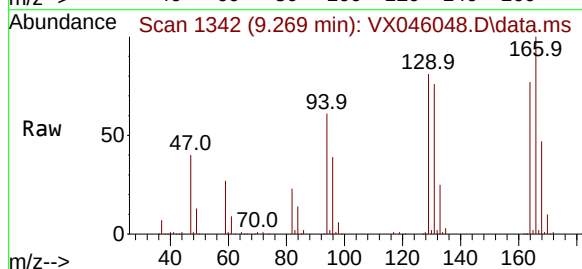
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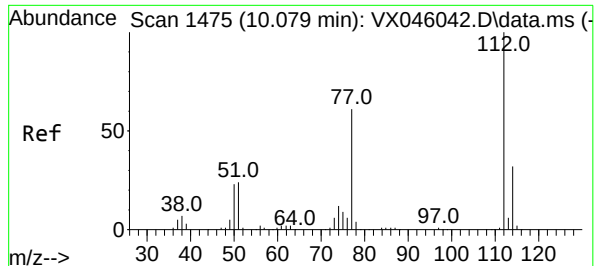
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

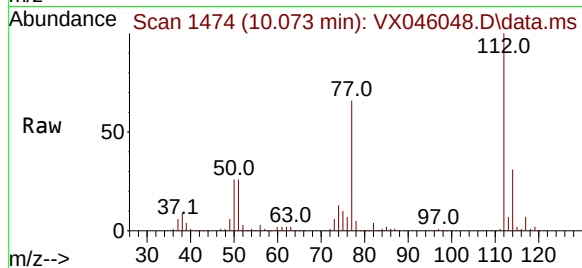
Tgt Ion:164 Resp: 48034
Ion Ratio Lower Upper
164 100
166 129.9 105.0 157.6
129 105.3 83.5 125.3
131 98.8 76.5 114.7





#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

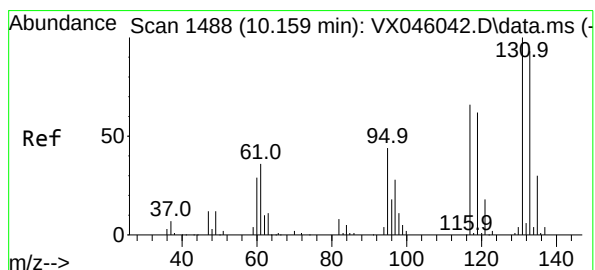
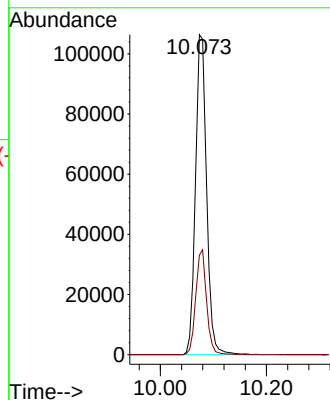
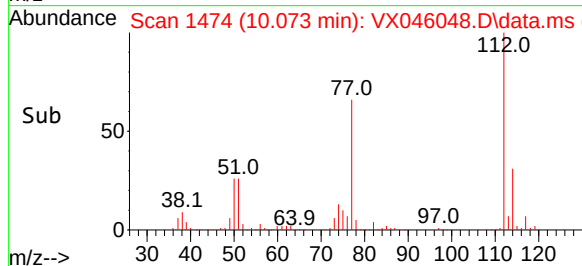
Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525



Tgt Ion:112 Resp: 154640
Ion Ratio Lower Upper
112 100
114 31.1 25.4 38.2

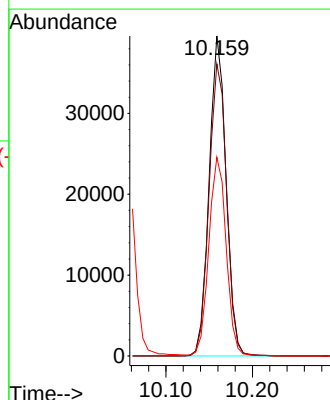
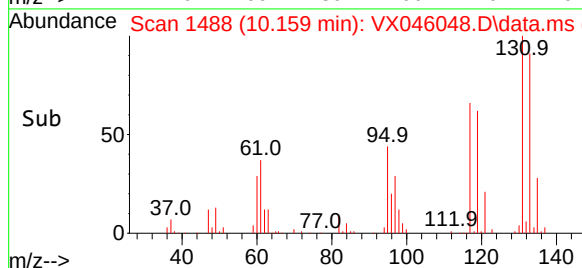
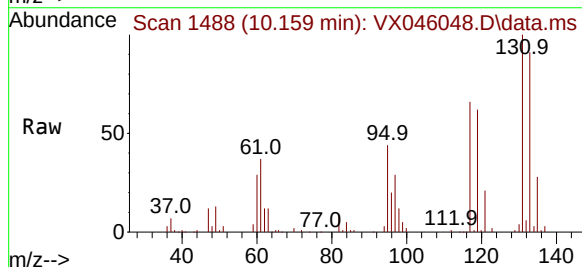
Manual Integrations
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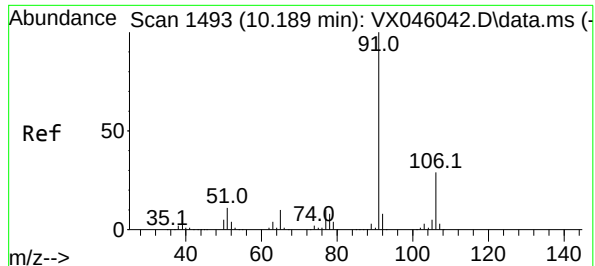
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 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

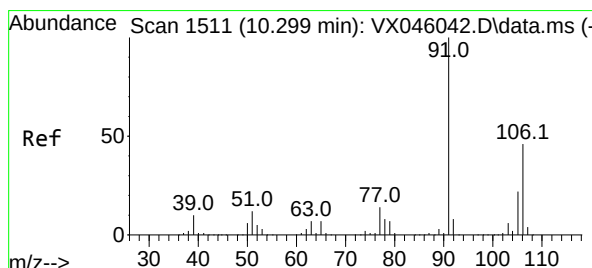
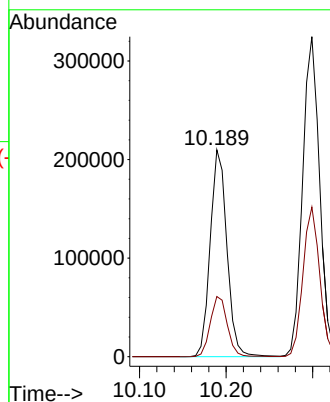
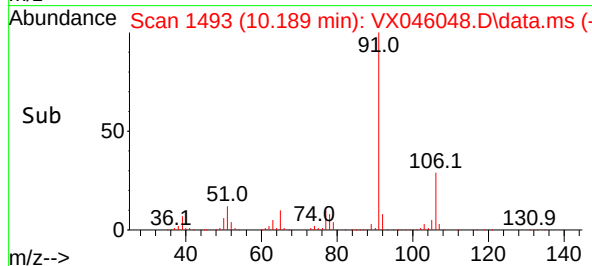
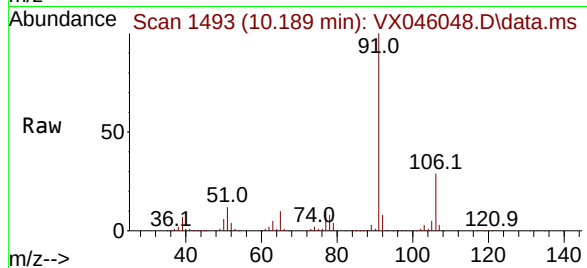
106 29.1 23.4 35.2

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

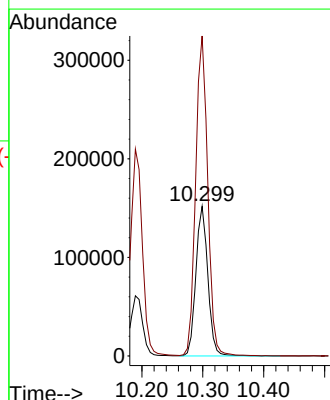
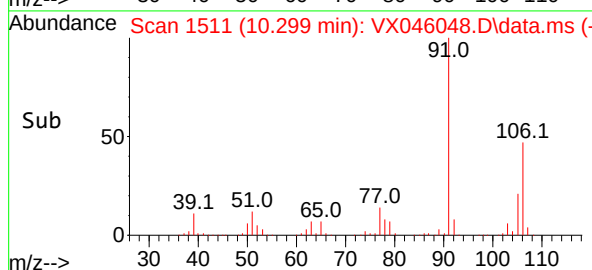
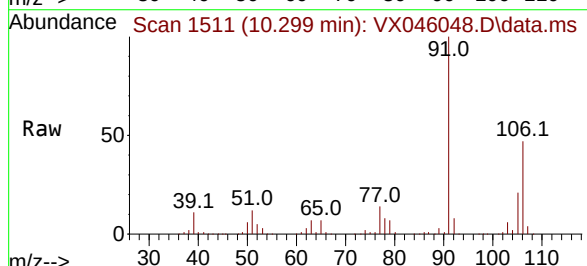
Acq: 05 May 2025 16:50

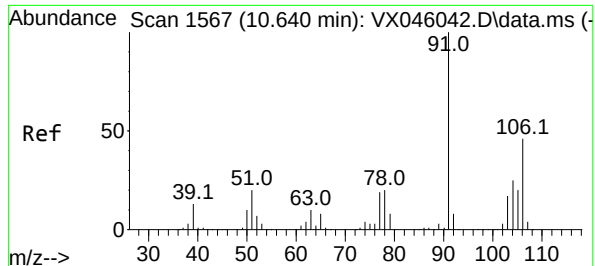
Tgt Ion:106 Resp: 206813

Ion Ratio Lower Upper

106 100

91 215.6 171.2 256.8





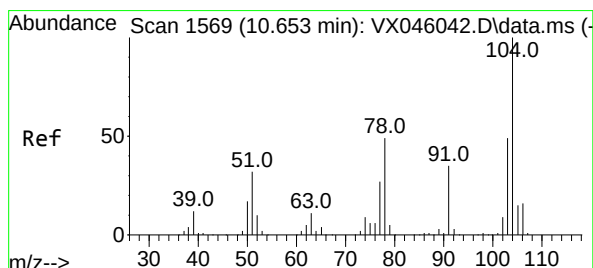
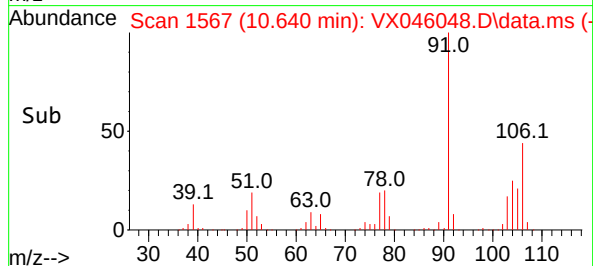
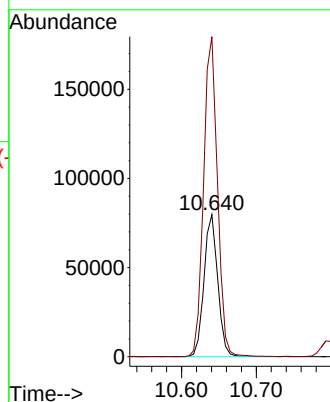
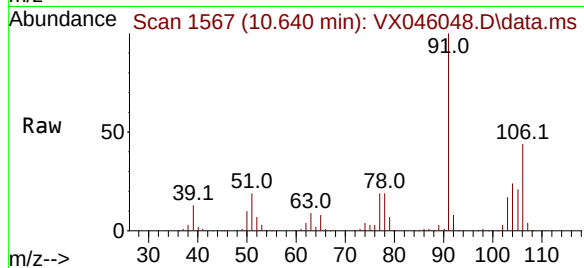
#69
o-Xylene
Concen: 50.841 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion:106 Resp: 101469
Ion Ratio Lower Upper
106 100
91 227.7 112.7 338.1

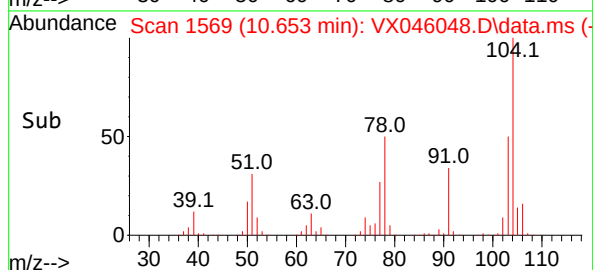
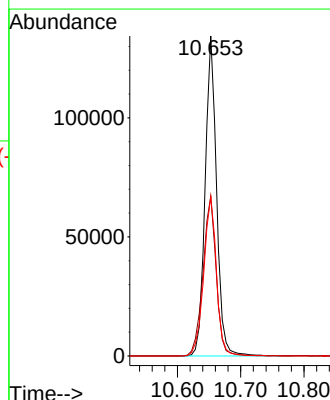
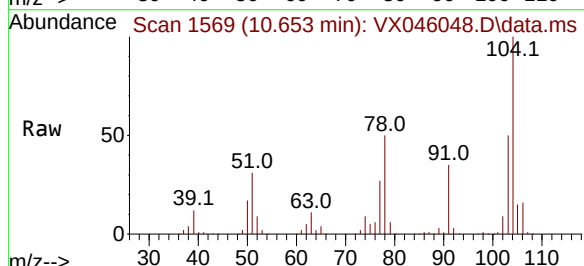
Manual Integrations
APPROVED

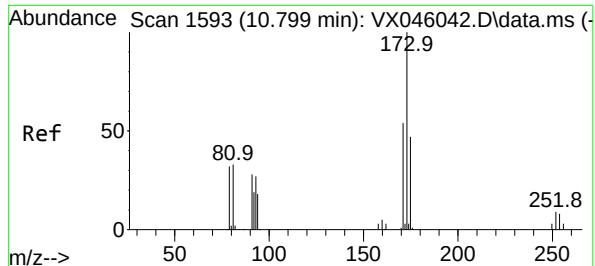
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

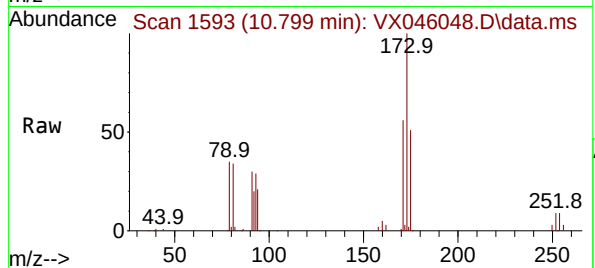
Tgt Ion:104 Resp: 169703
Ion Ratio Lower Upper
104 100
78 57.6 45.7 68.5
103 55.5 43.7 65.5





#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

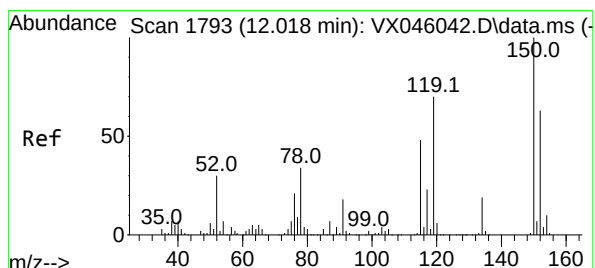
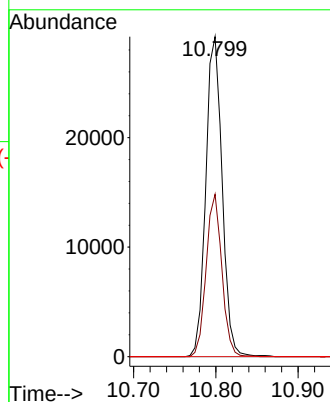
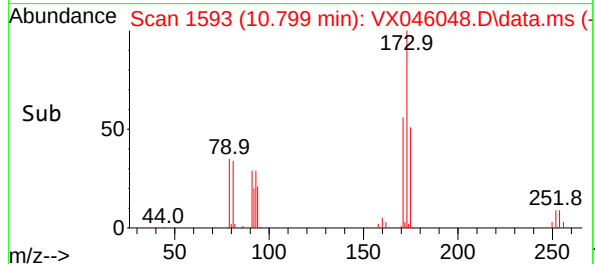
Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525



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

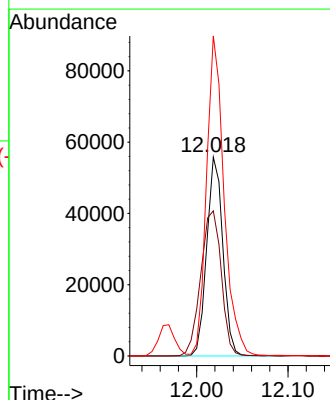
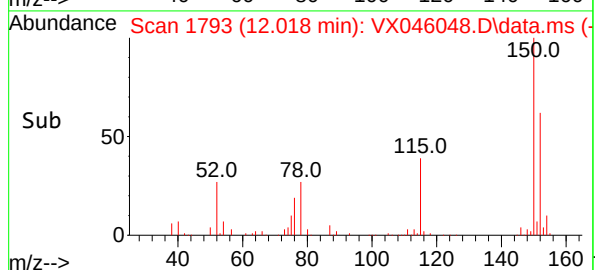
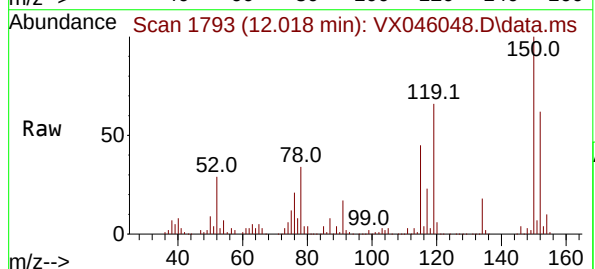
Manual Integrations
APPROVED

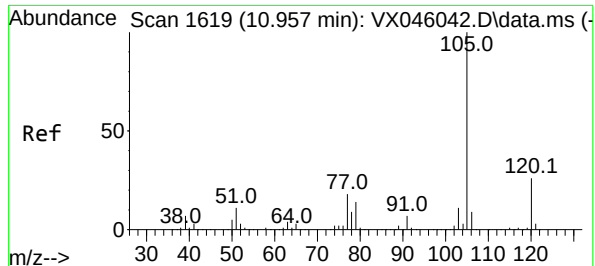
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

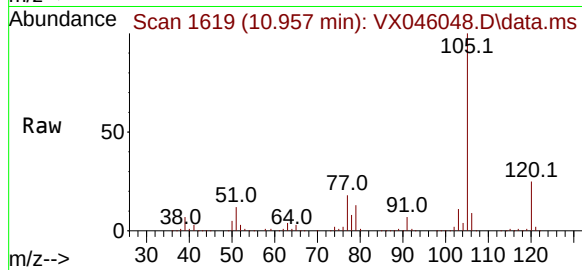
Tgt Ion:152 Resp: 68229
Ion Ratio Lower Upper
152 100
115 93.3 46.9 140.7
150 175.3 0.0 351.0





#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

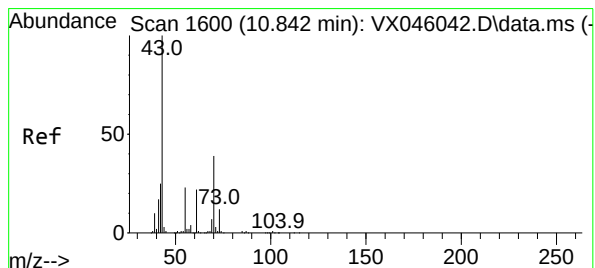
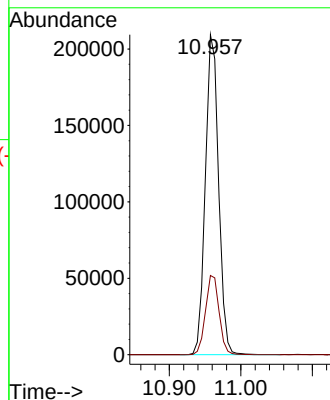
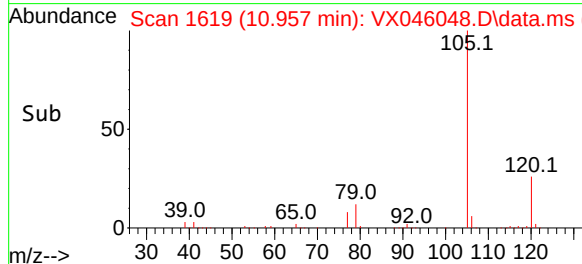
Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525



Tgt Ion:105 Resp: 269484
Ion Ratio Lower Upper
105 100
120 25.4 12.8 38.4

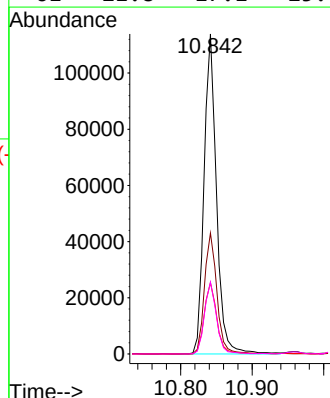
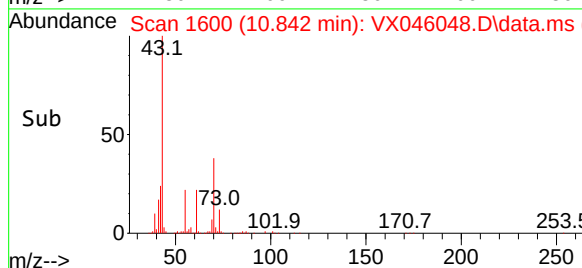
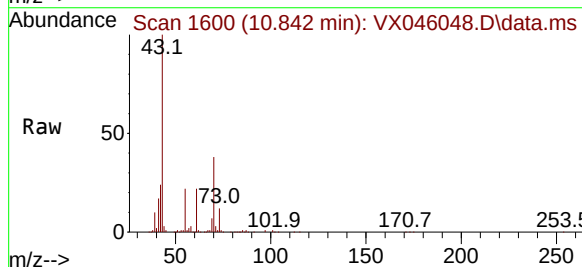
Manual Integrations
APPROVED

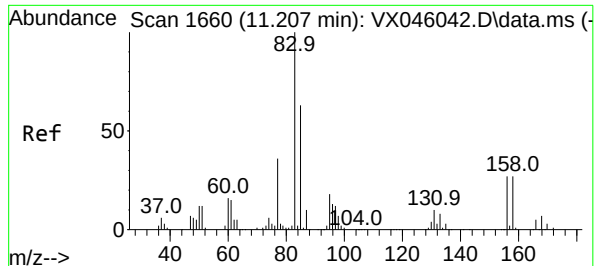
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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





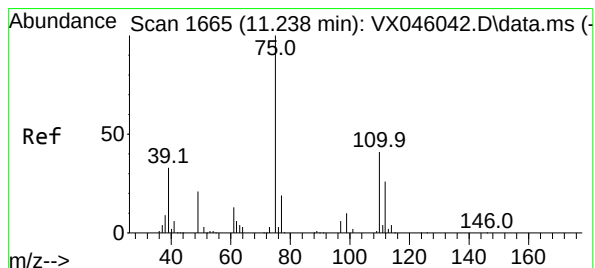
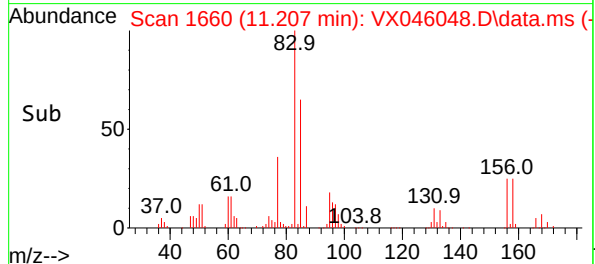
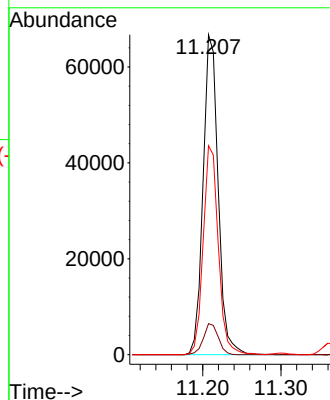
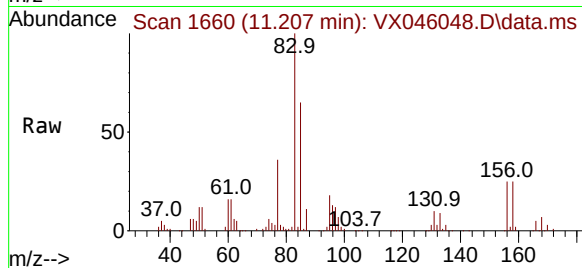
#75
1,1,2,2-Tetrachloroethane
Concen: 47.827 ug/l
RT: 11.207 min Scan# 1660
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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

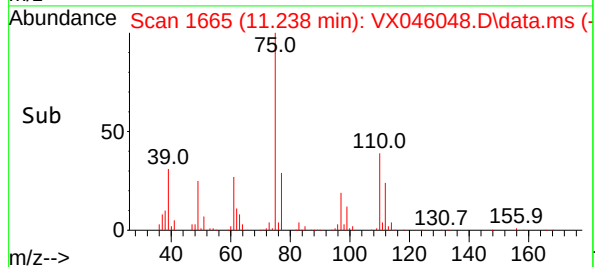
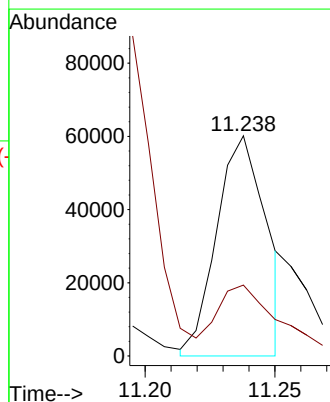
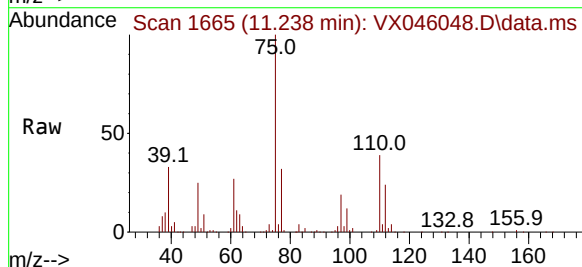
Manual Integrations
APPROVED

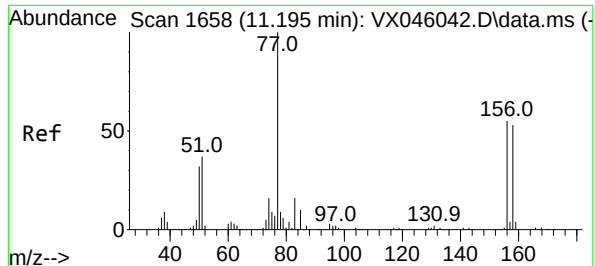
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

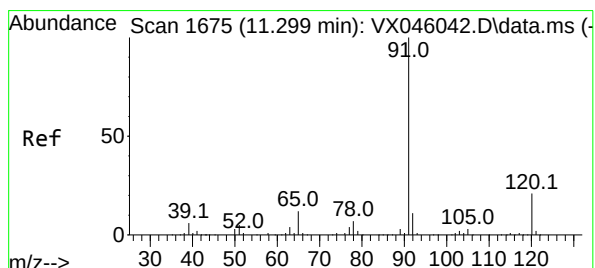
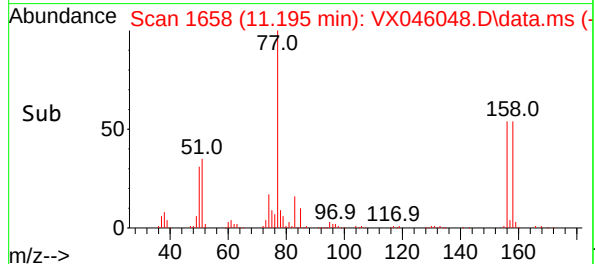
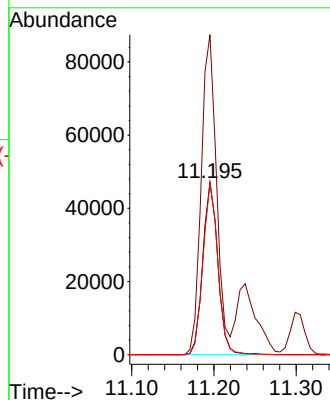
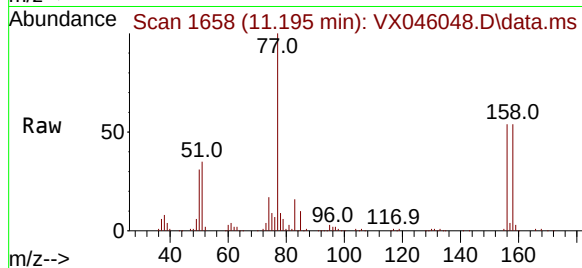
Tgt Ion:	156	Resp:	5987
Ion	Ratio	Lower	Upper
156	100		
77	189.0	92.8	278.3
158	98.9	48.8	146.3

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

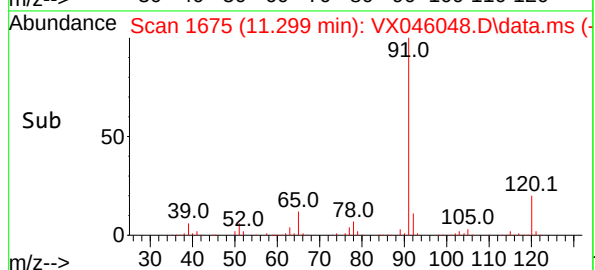
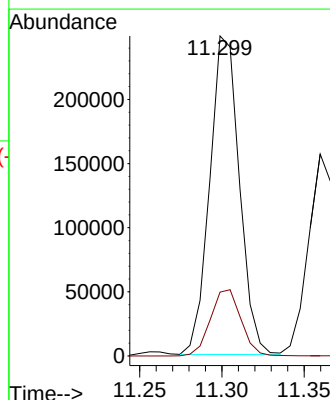
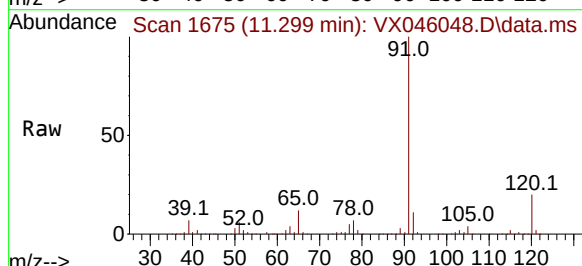
RT: 11.299 min Scan# 1675

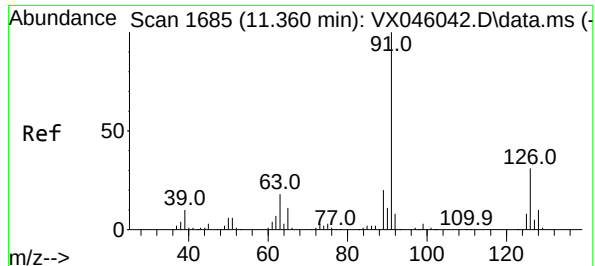
Delta R.T. 0.000 min

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

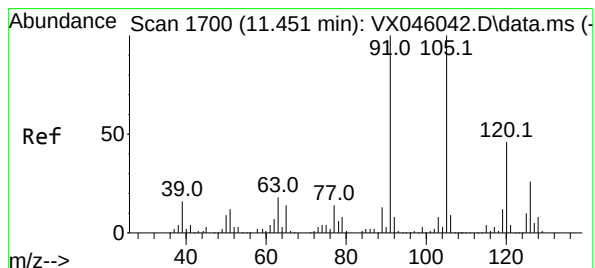
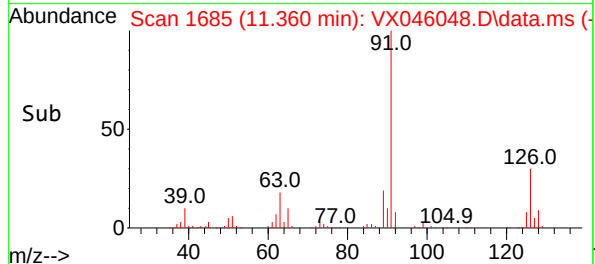
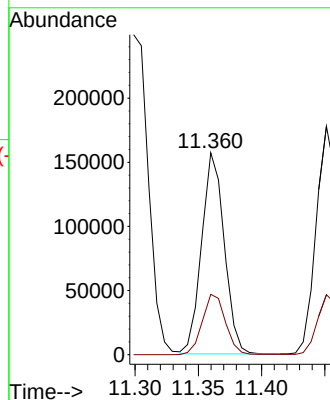
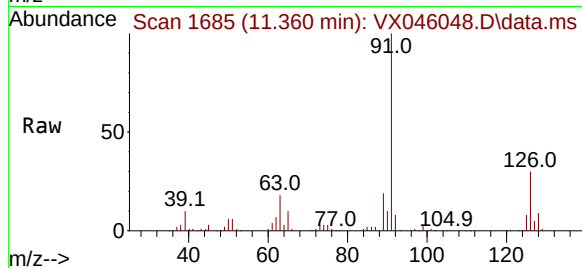
126 30.8 15.6 46.7

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

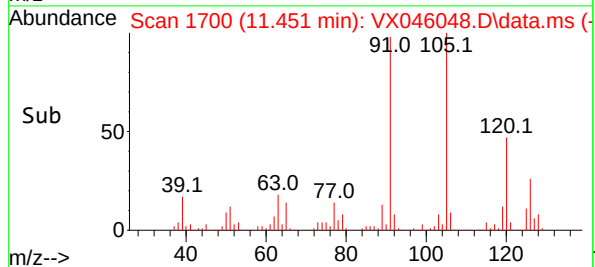
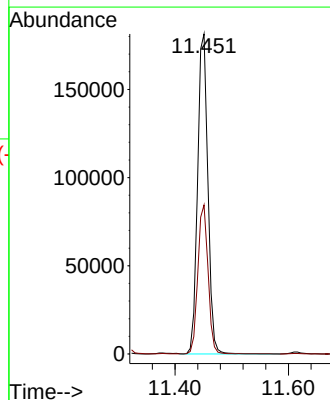
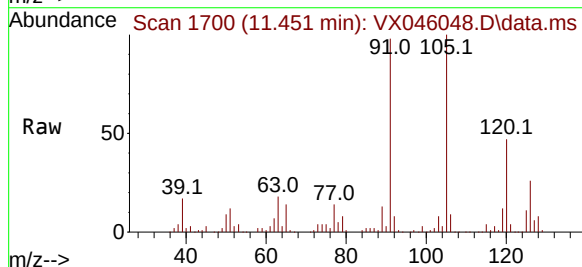
Acq: 05 May 2025 16:50

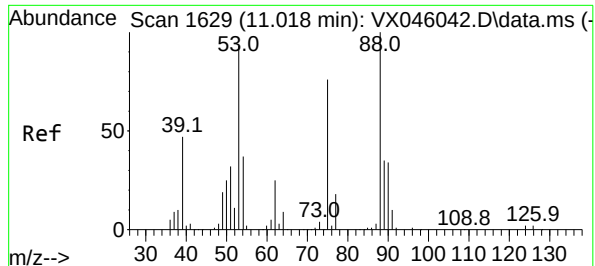
Tgt Ion:105 Resp: 228538

Ion Ratio Lower Upper

105 100

120 46.3 23.1 69.2





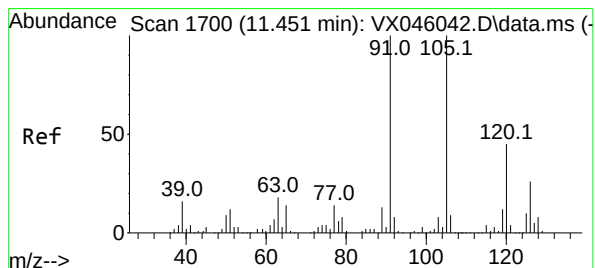
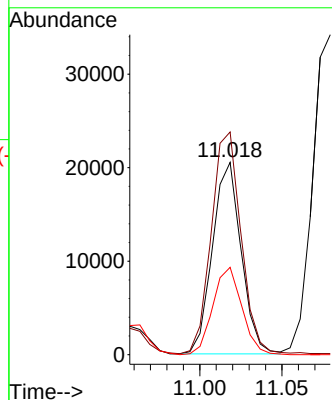
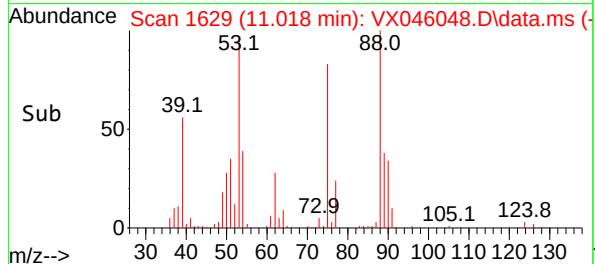
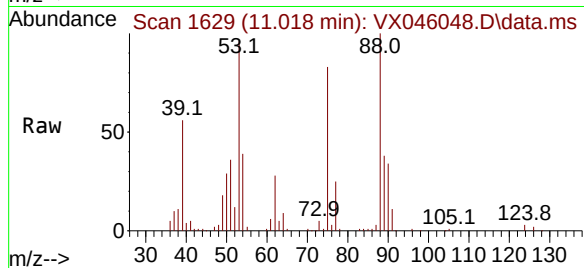
#81
trans-1,4-Dichloro-2-butene
Concen: 49.276 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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

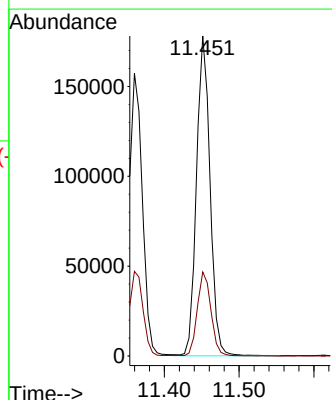
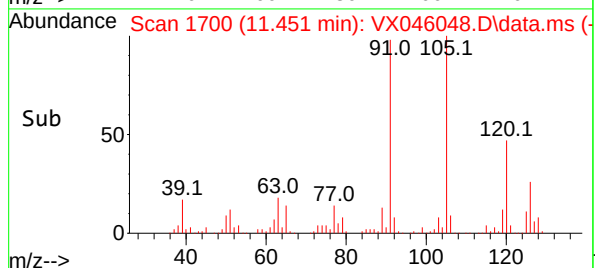
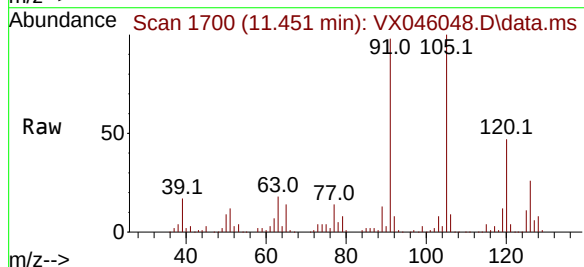
Manual Integrations
APPROVED

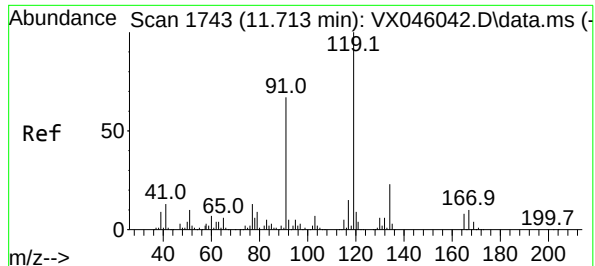
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

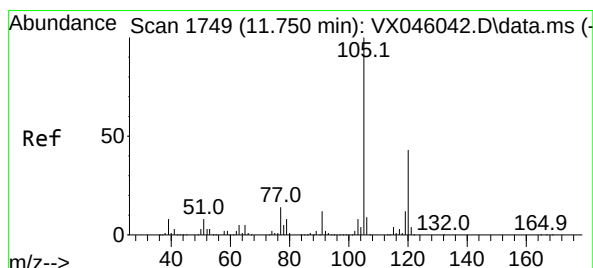
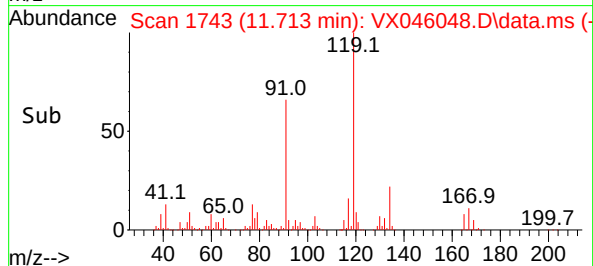
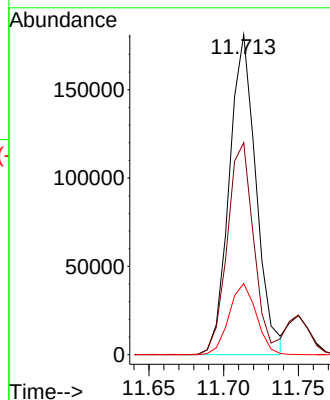
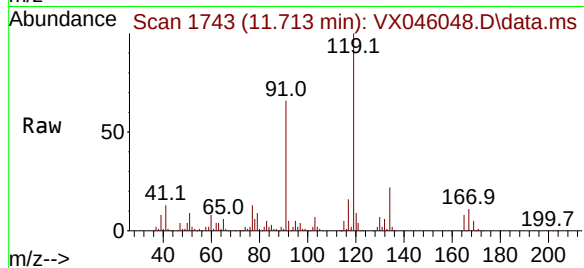
134 22.6 11.4 34.1

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

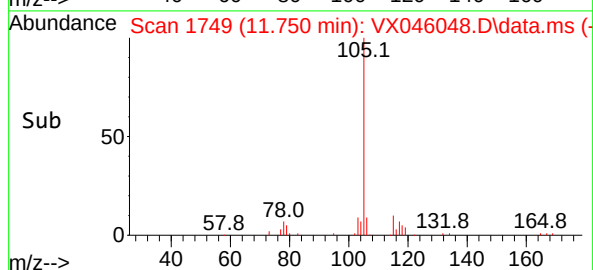
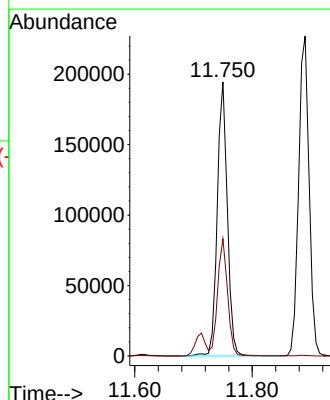
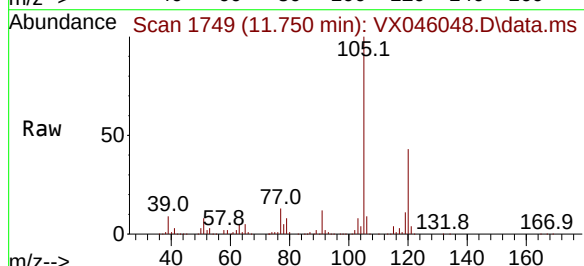
Acq: 05 May 2025 16:50

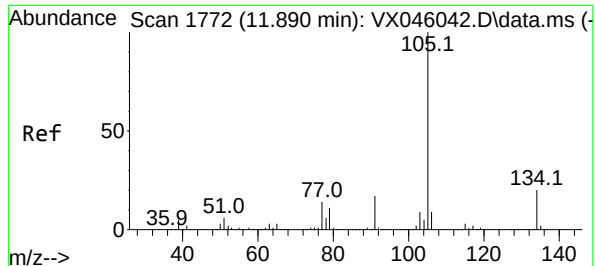
Tgt Ion:105 Resp: 231371

Ion Ratio Lower Upper

105 100

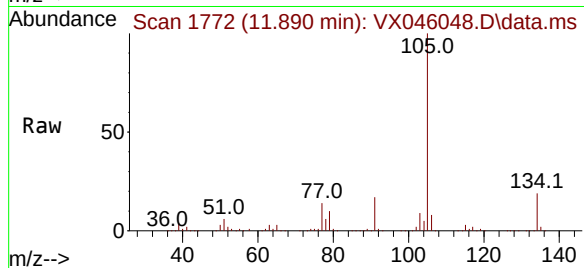
120 42.3 21.2 63.6





#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

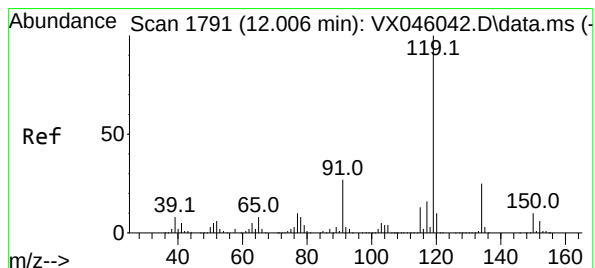
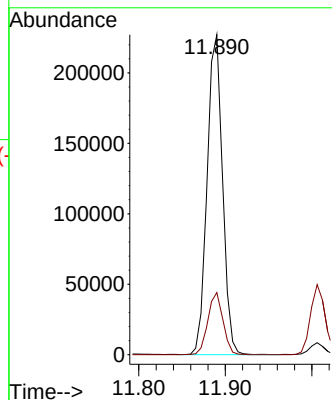
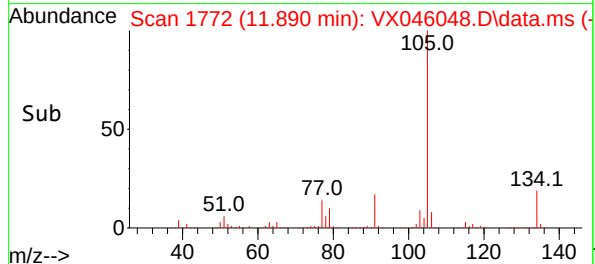
Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525



Tgt Ion:105 Resp: 280578
Ion Ratio Lower Upper
105 100
134 19.1 9.7 29.1

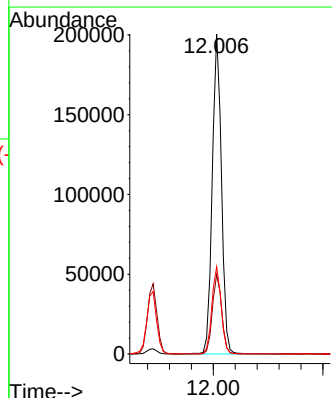
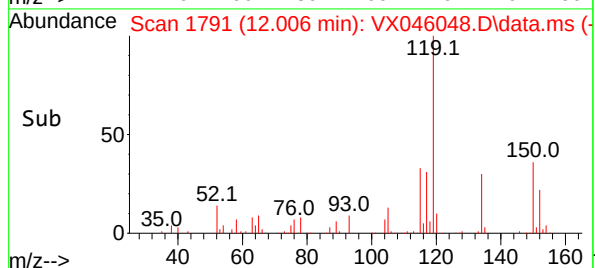
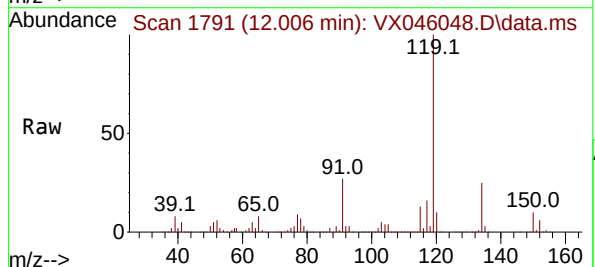
Manual Integrations
APPROVED

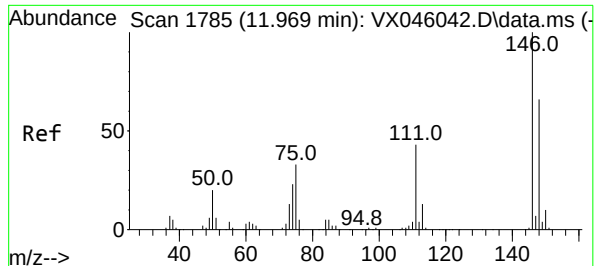
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

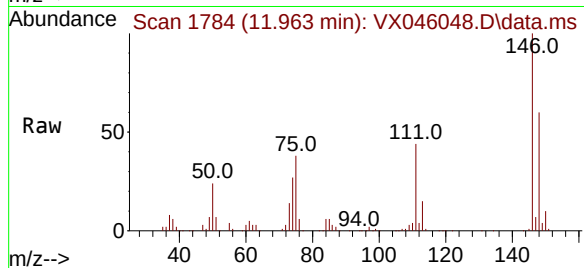
Tgt Ion:119 Resp: 231942
Ion Ratio Lower Upper
119 100
134 25.0 12.5 37.5
91 27.5 13.8 41.4





#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

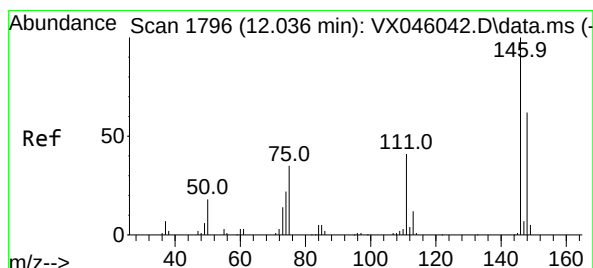
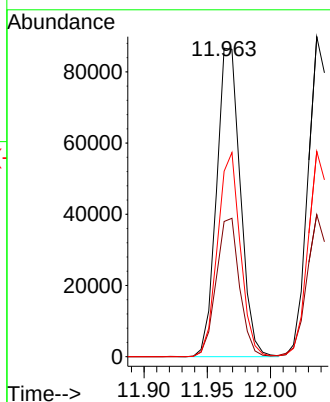
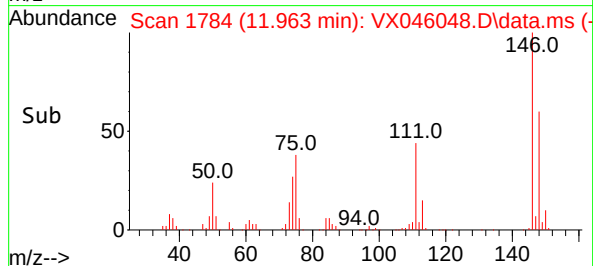
Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525



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

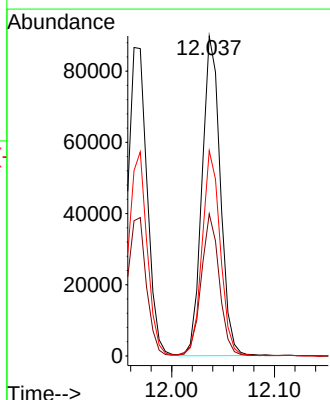
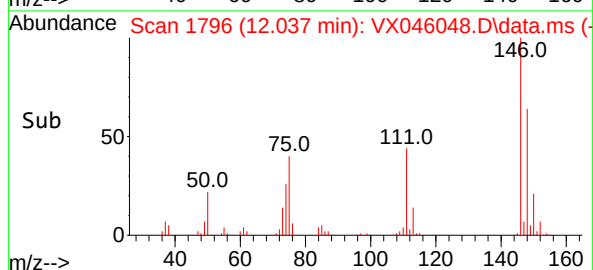
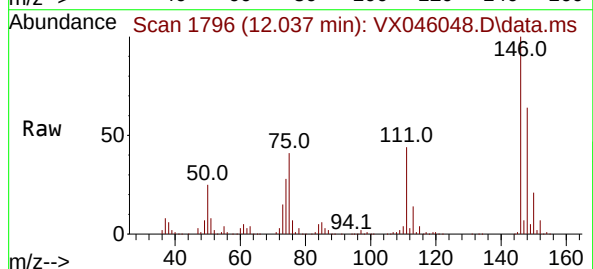
Manual Integrations
APPROVED

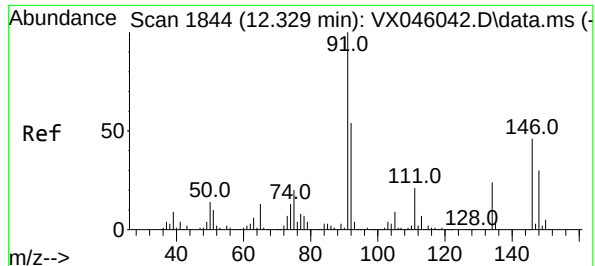
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

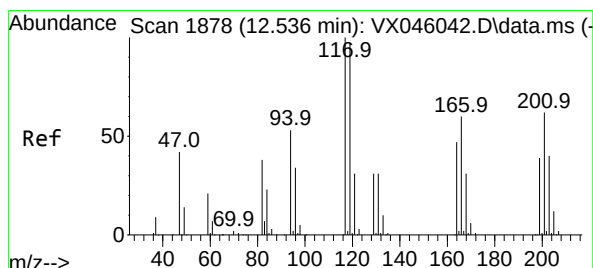
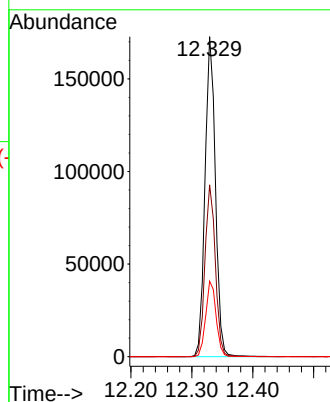
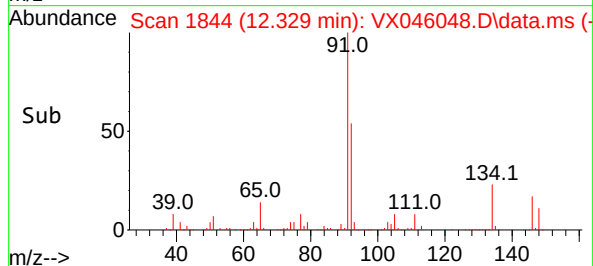
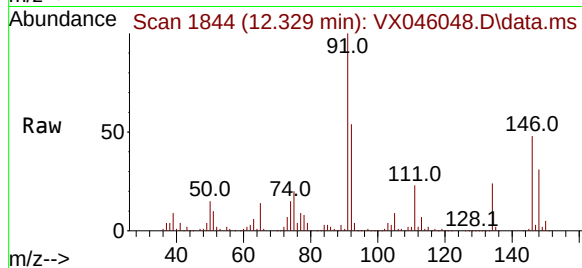
134 23.7 11.8 35.3

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

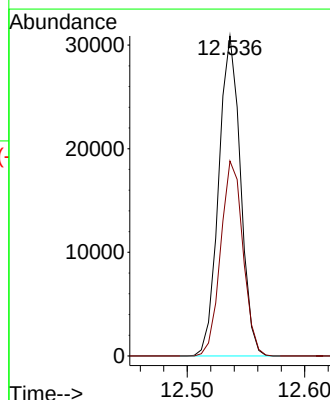
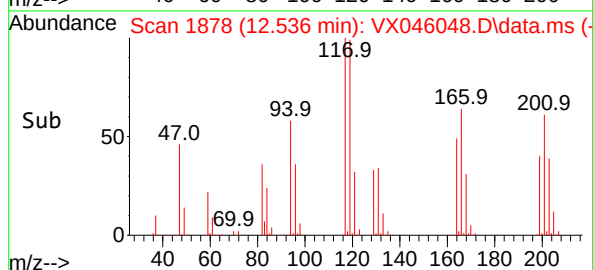
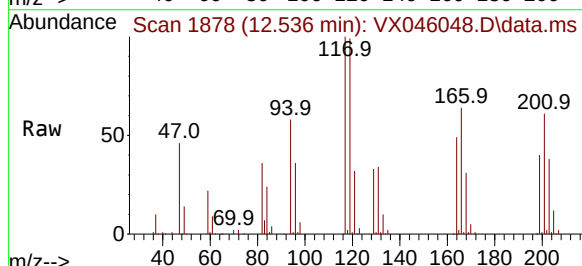
Acq: 05 May 2025 16:50

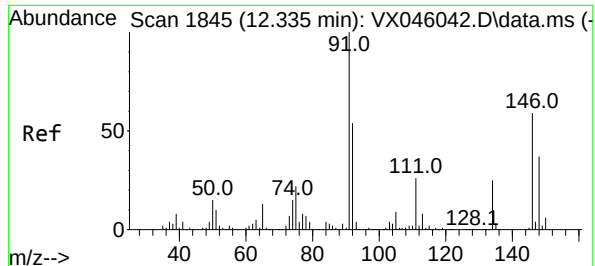
Tgt Ion:117 Resp: 39823

Ion Ratio Lower Upper

117 100

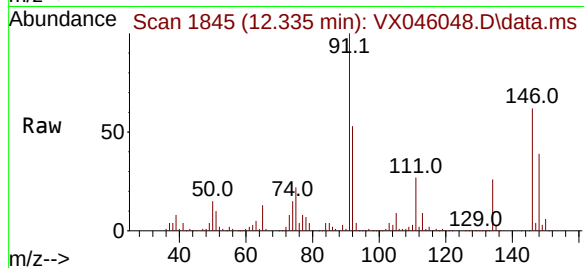
201 62.4 31.6 94.7





#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

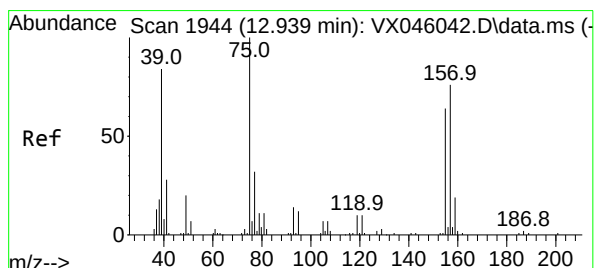
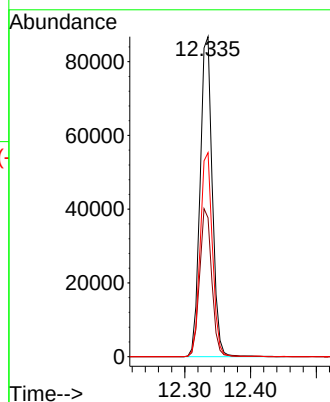
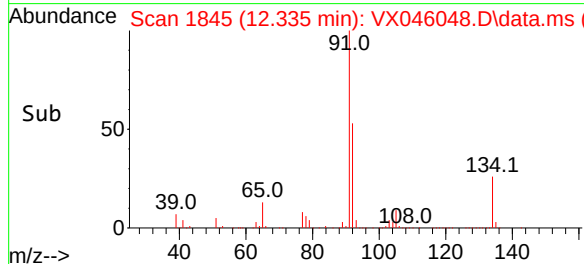
Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525



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

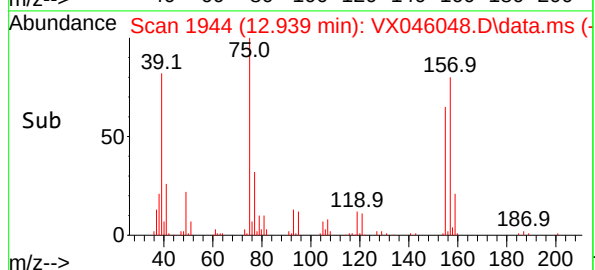
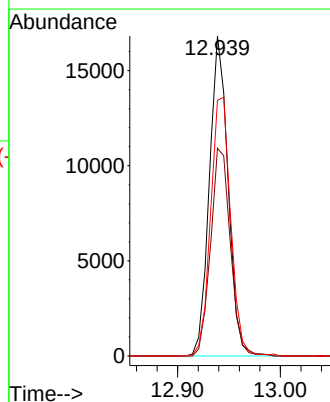
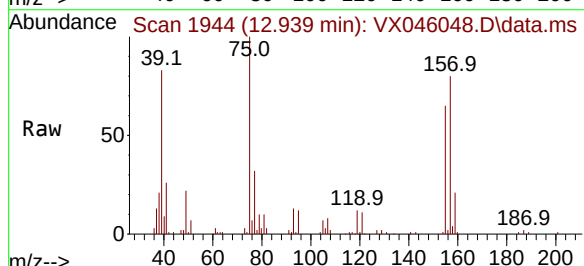
Manual Integrations
APPROVED

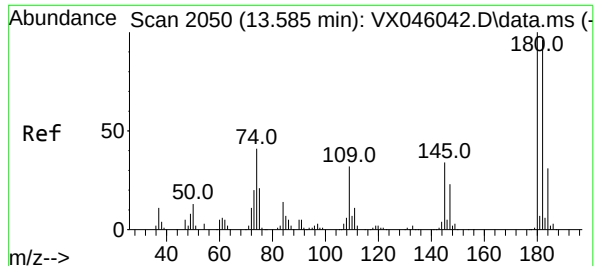
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

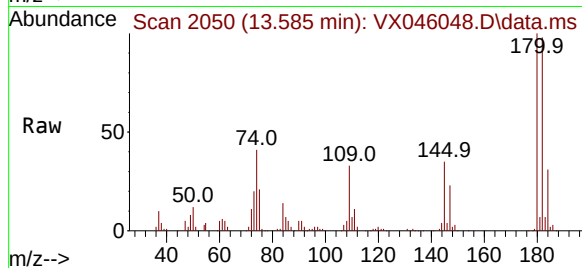
Tgt Ion: 75 Resp: 21220
Ion Ratio Lower Upper
75 100
155 68.6 34.9 104.8
157 86.7 43.8 131.4





#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

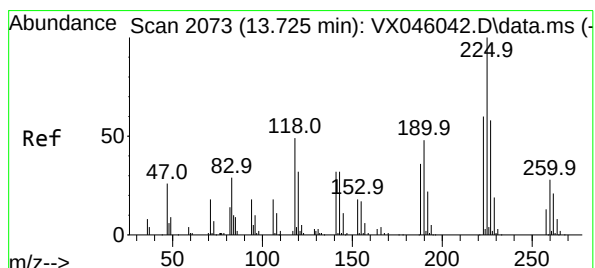
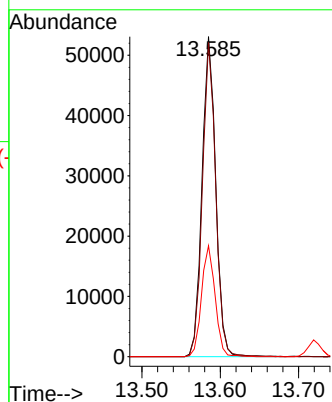
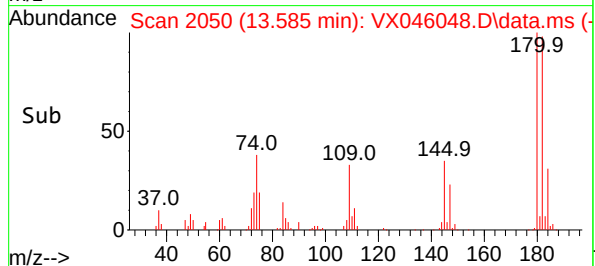
Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525



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

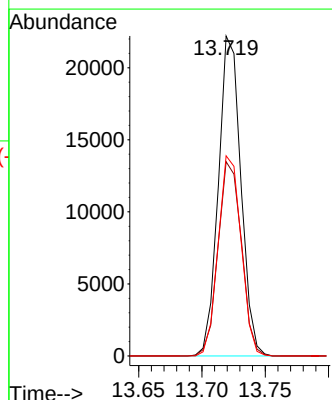
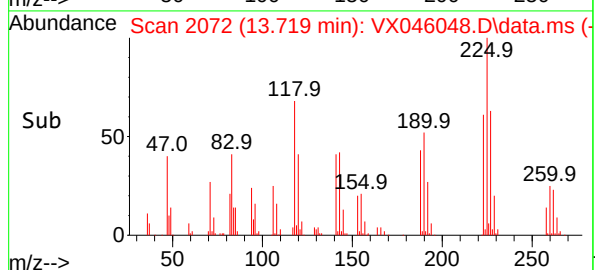
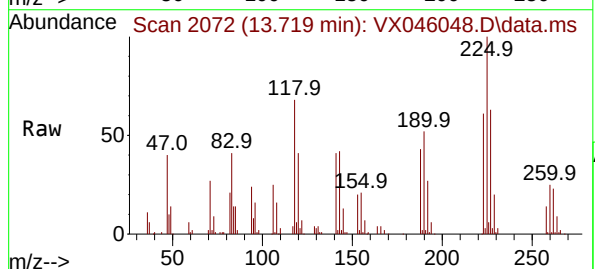
Manual Integrations
APPROVED

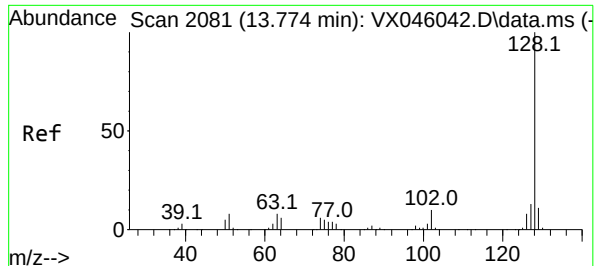
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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

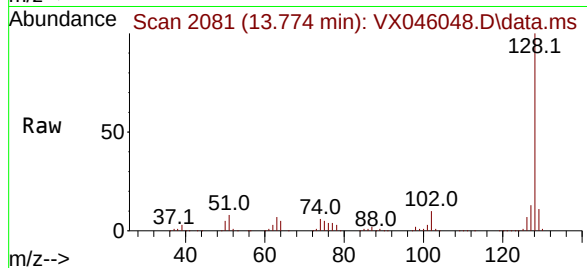
Tgt Ion:225 Resp: 27425
Ion Ratio Lower Upper
225 100
223 63.1 30.8 92.4
227 63.7 30.9 92.7





#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

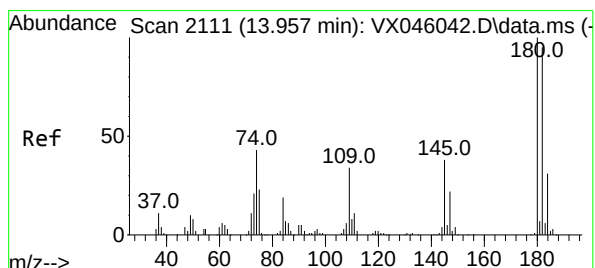
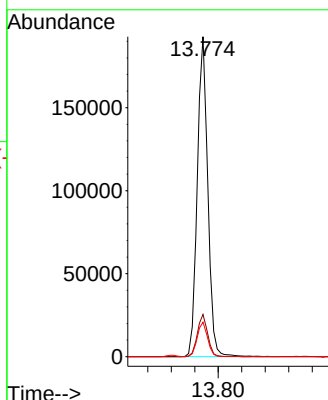
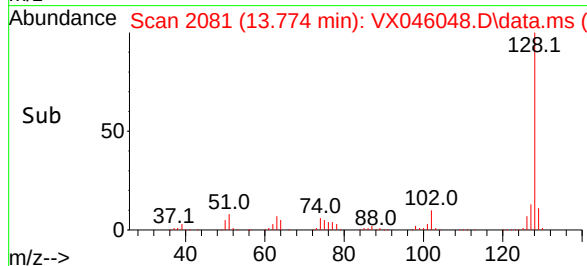
Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525



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

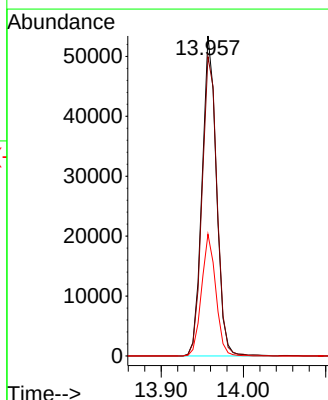
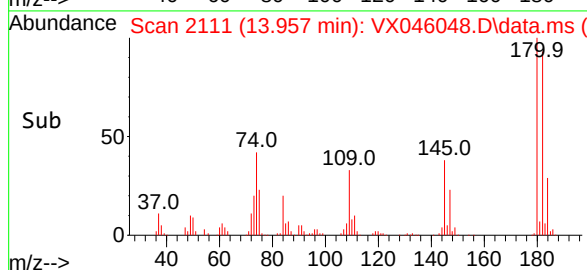
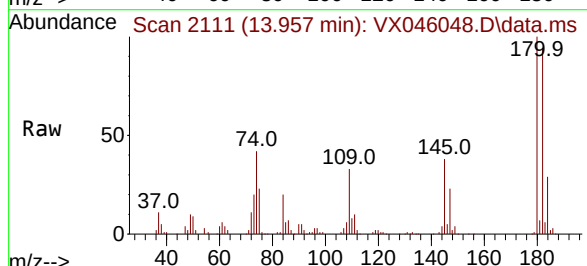
Manual Integrations
APPROVED

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 :
 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)
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 :
 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	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: FIRS02

Lab Code: CHEM Case No.: Q2072 SAS No.: Q2072 SDG No.: Q2072

Instrument ID: MSVOA_X Calibration Date/Time: 05/16/2025 09:22

Lab File ID: VX046228.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
Dichlorodifluoromethane	0.765	0.769		0.52	20
Chloromethane	0.742	0.711	0.1	-4.18	20
Vinyl Chloride	0.691	0.646		-6.51	20
Bromomethane	0.320	0.290		-9.38	20
Chloroethane	0.369	0.361		-2.17	20
Trichlorofluoromethane	1.021	1.027		0.59	20
1,1,2-Trichlorotrifluoroethane	0.632	0.632		0	20
1,1-Dichloroethene	0.593	0.561		-5.4	20
Acetone	0.374	0.382		2.14	20
Carbon Disulfide	1.406	1.242		-11.66	20
Methyl tert-butyl Ether	2.079	2.019		-2.89	20
Methyl Acetate	0.867	0.942		8.65	20
Methylene Chloride	0.716	0.652		-8.94	20
trans-1,2-Dichloroethene	0.596	0.571		-4.2	20
1,1-Dichloroethane	1.219	1.184	0.1	-2.87	20
Cyclohexane	1.111	1.034		-6.93	20
2-Butanone	0.543	0.545		0.37	20
Carbon Tetrachloride	0.544	0.555		2.02	20
cis-1,2-Dichloroethene	0.718	0.684		-4.74	20
Bromochloromethane	0.587	0.596		1.53	20
Chloroform	1.271	1.254		-1.34	20
1,1,1-Trichloroethane	1.101	1.073		-2.54	20
Methylcyclohexane	0.623	0.608		-2.41	20
Benzene	1.417	1.418		0.07	20
1,2-Dichloroethane	0.612	0.614		0.33	20
Trichloroethene	0.341	0.341		0	20
1,2-Dichloropropane	0.352	0.373		5.97	20
Bromodichloromethane	0.547	0.579		5.85	20
4-Methyl-2-Pentanone	0.605	0.629		3.97	20
Toluene	0.869	0.864		-0.57	20
t-1,3-Dichloropropene	0.487	0.517		6.16	20
cis-1,3-Dichloropropene	0.538	0.571		6.13	20
1,1,2-Trichloroethane	0.343	0.353		2.91	20
2-Hexanone	0.448	0.468		4.46	20
Dibromochloromethane	0.376	0.402		6.91	20
1,2-Dibromoethane	0.356	0.364		2.25	20
Tetrachloroethene	0.354	0.372		5.09	20
Chlorobenzene	1.094	1.082	0.3	-1.1	20

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



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: FIRS02

Lab Code: CHEM Case No.: Q2072 SAS No.: Q2072 SDG No.: Q2072

Instrument ID: MSVOA_X Calibration Date/Time: 05/16/2025 09:22

Lab File ID: VX046228.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
Ethyl Benzene	1.929	1.962		1.71	20
m/p-Xylenes	0.706	0.716		1.42	20
o-Xylene	0.688	0.698		1.45	20
Styrene	1.127	1.198		6.3	20
Bromoform	0.281	0.296	0.1	5.34	20
Isopropylbenzene	3.893	3.974		2.08	20
1,1,2,2-Tetrachloroethane	1.364	1.296	0.3	-4.99	20
1,2,4-Trimethylbenzene	3.293	3.390		2.95	20
1,3-Dichlorobenzene	1.649	1.661		0.73	20
1,4-Dichlorobenzene	1.684	1.673		-0.65	20
1,2-Dichlorobenzene	1.655	1.667		0.73	20
1,2-Dibromo-3-Chloropropane	0.302	0.301		-0.33	20
1,2,4-Trichlorobenzene	0.951	0.961		1.05	20
1,2,3-Trichlorobenzene	0.981	0.965		-1.63	20
1,2-Dichloroethane-d4	0.932	0.895		-3.97	20
Dibromofluoromethane	0.360	0.380		5.56	20
Toluene-d8	1.246	1.276		2.41	20
4-Bromofluorobenzene	0.478	0.486		1.67	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\VX051625\
 Data File : VX046228.D
 Acq On : 16 May 2025 09:22
 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 05/19/2025
 Supervised By :Mahesh Dadoda 05/19/2025

Quant Time: May 16 22:58:34 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	5.538	168	94540	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	157316	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	136812	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	65634	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	84658	48.032	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.060%		
35) Dibromofluoromethane	5.373	113	59828	52.812	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	105.620%		
50) Toluene-d8	8.641	98	200757	51.202	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.400%		
62) 4-Bromofluorobenzene	11.079	95	76464	50.840	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	101.680%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	72708	50.247	ug/l	99
3) Chloromethane	1.307	50	67192	47.884	ug/l	100
4) Vinyl Chloride	1.374	62	61036	46.736	ug/l	98
5) Bromomethane	1.593	94	27434	45.291	ug/l	95
6) Chloroethane	1.666	64	34167	49.007	ug/l	98
7) Trichlorofluoromethane	1.874	101	97121	50.319	ug/l	98
8) Diethyl Ether	2.130	74	30948	47.102	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	59749	50.023	ug/l	98
10) Methyl Iodide	2.447	142	63487	44.920	ug/l	98
11) Tert butyl alcohol	2.971	59	57816	233.689	ug/l	99
12) 1,1-Dichloroethene	2.307	96	53013	47.290	ug/l	97
13) Acrolein	2.233	56	83413	296.047	ug/l	98
14) Allyl chloride	2.654	41	106749	49.825	ug/l	98
15) Acrylonitrile	3.063	53	175642	248.278	ug/l	97
16) Acetone	2.380	43	180437	255.326	ug/l	99
17) Carbon Disulfide	2.502	76	117391	44.170	ug/l	99
18) Methyl Acetate	2.703	43	89072	54.316	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	190917	48.577	ug/l	99
20) Methylene Chloride	2.782	84	61607	45.492	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	53981	47.883	ug/l	99
22) Diisopropyl ether	3.758	45	206352	49.862	ug/l	92
23) Vinyl Acetate	3.715	43	901560	247.687	ug/l	100
24) 1,1-Dichloroethane	3.599	63	111905	48.548	ug/l	99
25) 2-Butanone	4.550	43	257659	251.138	ug/l	99
26) 2,2-Dichloropropane	4.465	77	89785	49.765	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	64624	47.618	ug/l	98
28) Bromochloromethane	4.885	49	56389	50.823	ug/l	97
29) Tetrahydrofuran	4.995	42	154815	240.809	ug/l	99
30) Chloroform	5.080	83	118538	49.338	ug/l	97
31) Cyclohexane	5.452	56	97796	46.559	ug/l	95
32) 1,1,1-Trichloroethane	5.373	97	101438	48.706	ug/l	100
36) 1,1-Dichloropropene	5.684	75	74185	48.739	ug/l	100
37) Ethyl Acetate	4.709	43	89562	47.626	ug/l	100
38) Carbon Tetrachloride	5.666	117	87289	51.040	ug/l	99
39) Methylcyclohexane	7.373	83	95724	48.850	ug/l	98
40) Benzene	6.025	78	222999	50.018	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051625\
 Data File : VX046228.D
 Acq On : 16 May 2025 09:22
 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 05/19/2025
 Supervised By : Mahesh Dadoda 05/19/2025

Quant Time: May 16 22:58:34 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	4.910	41	53940	54.832	ug/l	99
42) 1,2-Dichloroethane	6.074	62	96614	50.211	ug/l	99
43) Isopropyl Acetate	6.330	43	146639	51.114	ug/l	100
44) Trichloroethene	7.117	130	53597	49.949	ug/l	97
45) 1,2-Dichloropropane	7.422	63	58734	52.981	ug/l	100
46) Dibromomethane	7.574	93	44285	50.649	ug/l	98
47) Bromodichloromethane	7.812	83	91074	52.885	ug/l	100
48) Methyl methacrylate	7.690	41	77288	52.751	ug/l	99
49) 1,4-Dioxane	7.659	88	27536	989.815	ug/l	97
51) 4-Methyl-2-Pentanone	8.568	43	494732	259.795	ug/l	99
52) Toluene	8.714	92	135948	49.729	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	81342	53.141	ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	89779	53.067	ug/l	95
55) 1,1,2-Trichloroethane	9.147	97	55594	51.574	ug/l	98
56) Ethyl methacrylate	9.110	69	89568	52.135	ug/l	99
57) 1,3-Dichloropropane	9.305	76	96981	50.096	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	225847	257.856	ug/l	99
59) 2-Hexanone	9.427	43	368232	261.365	ug/l	100
60) Dibromochloromethane	9.519	129	63223	53.406	ug/l	99
61) 1,2-Dibromoethane	9.604	107	57219	51.072	ug/l	98
64) Tetrachloroethene	9.269	164	50960	52.644	ug/l	96
65) Chlorobenzene	10.073	112	147965	49.413	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	52401	51.247	ug/l	99
67) Ethyl Benzene	10.189	91	268462	50.860	ug/l	99
68) m/p-Xylenes	10.299	106	196020	101.535	ug/l	98
69) o-Xylene	10.640	106	95561	50.773	ug/l	96
70) Styrene	10.653	104	163876	53.153	ug/l	100
71) Bromoform	10.799	173	40561	52.835	ug/l #	96
73) Isopropylbenzene	10.957	105	260802	51.040	ug/l	99
74) N-amyl acetate	10.842	43	127992	50.690	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	85085	47.516	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	77417m	49.003	ug/l	
77) Bromobenzene	11.195	156	58378	49.210	ug/l	99
78) n-propylbenzene	11.299	91	304551	51.259	ug/l	100
79) 2-Chlorotoluene	11.360	91	186494	48.665	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	219647	51.453	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	24485	50.458	ug/l	99
82) 4-Chlorotoluene	11.451	91	217774	51.243	ug/l	99
83) tert-Butylbenzene	11.713	119	215261	50.061	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	222505	51.470	ug/l	99
85) sec-Butylbenzene	11.890	105	273582	51.818	ug/l	100
86) p-Isopropyltoluene	12.006	119	228062	52.332	ug/l	100
87) 1,3-Dichlorobenzene	11.963	146	109022	50.355	ug/l	100
88) 1,4-Dichlorobenzene	12.037	146	109800	49.659	ug/l	99
89) n-Butylbenzene	12.329	91	203342	53.194	ug/l	100
90) Hexachloroethane	12.536	117	39615	51.597	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	109405	50.357	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	19788	49.883	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	63089	50.558	ug/l	98
94) Hexachlorobutadiene	13.719	225	27652	50.738	ug/l	98
95) Naphthalene	13.774	128	221283	48.350	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	63364	49.212	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051625\
Data File : VX046228.D
Acq On : 16 May 2025 09:22
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 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025

Quant Time: May 16 22:58:34 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

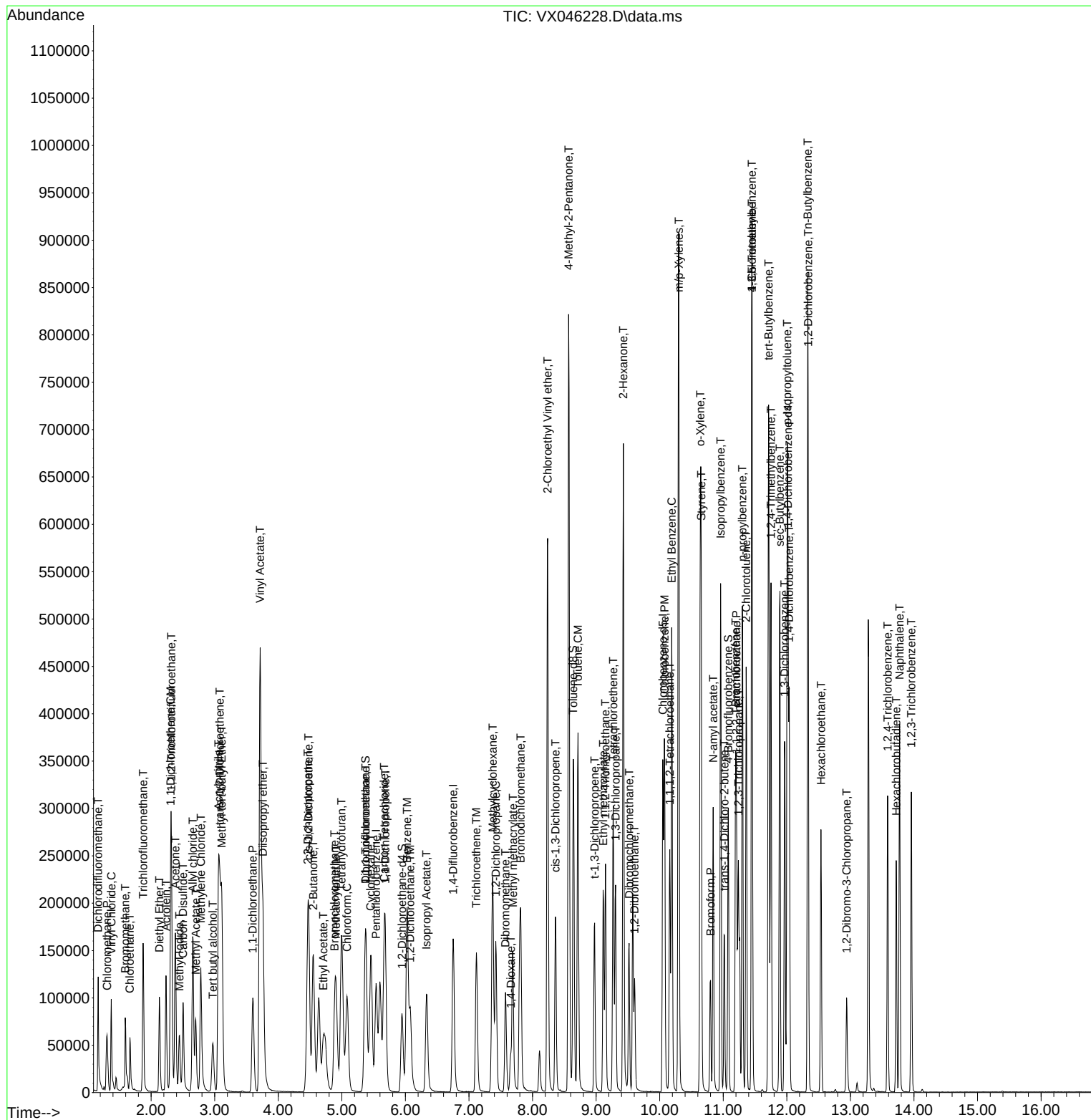
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Acq On    : 16 May 2025  09:22
Operator  : JC/MD
Sample    : VSTDCCC050
Misc      : 5.0mL/MSVOA_X/WATER
ALS Vial  : 2    Sample Multiplier: 1
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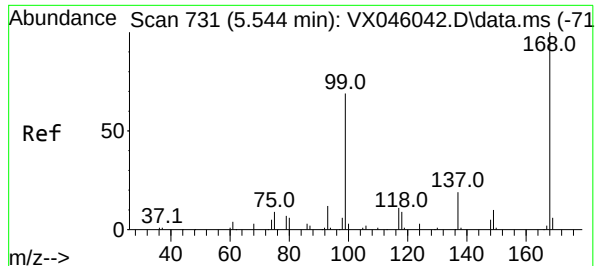
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations

Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025

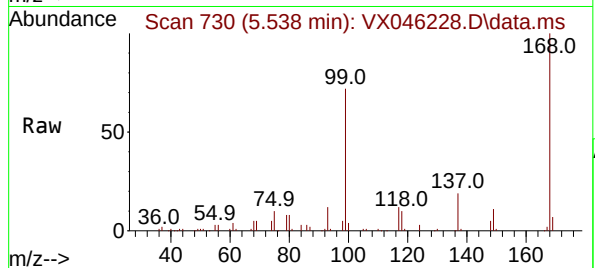
Quant Time: May 16 22:58:34 2025
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Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX046228.D
Acq: 16 May 2025 09:22

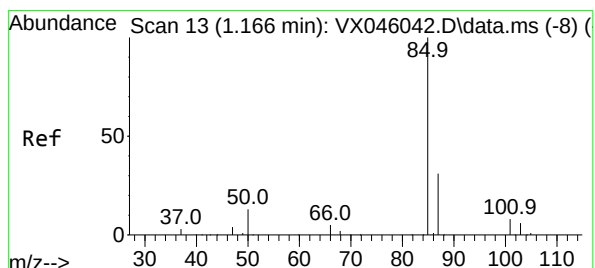
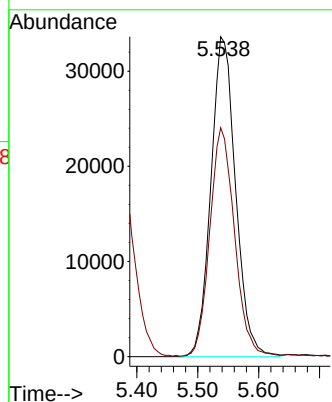
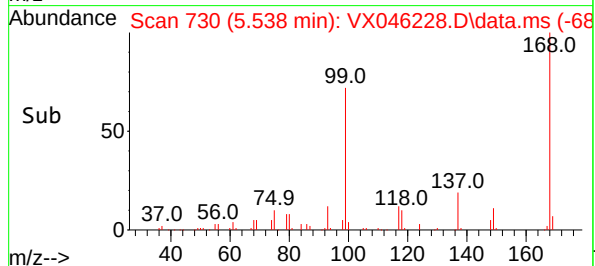
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion:168 Resp: 94540
Ion Ratio Lower Upper
168 100
99 71.4 54.9 82.3

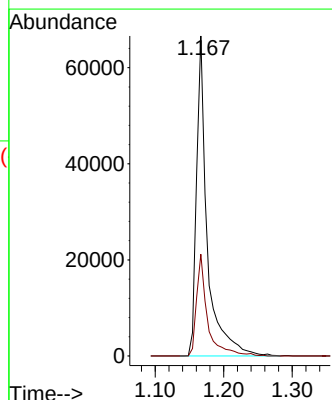
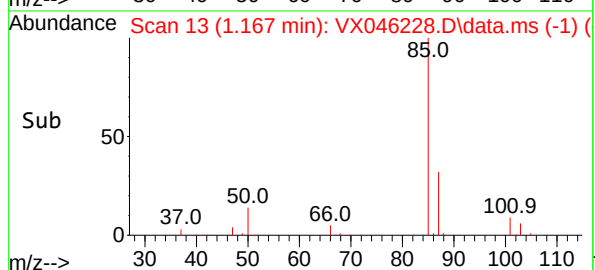
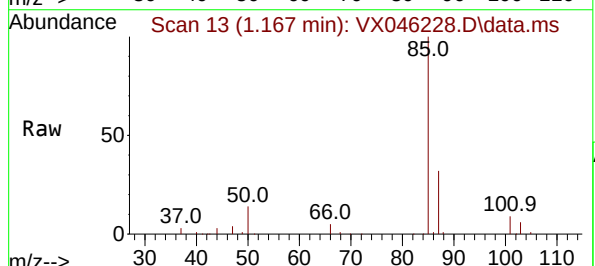
Manual Integrations
APPROVED

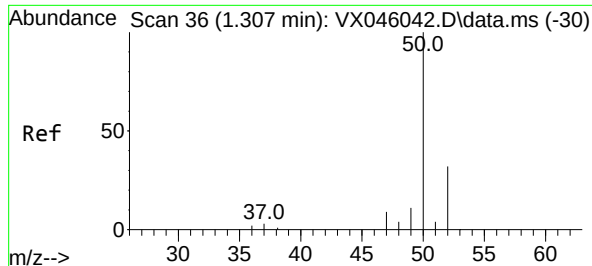
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#2
Dichlorodifluoromethane
Concen: 50.247 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX046228.D
Acq: 16 May 2025 09:22

Tgt Ion: 85 Resp: 72708
Ion Ratio Lower Upper
85 100
87 31.8 15.7 47.1





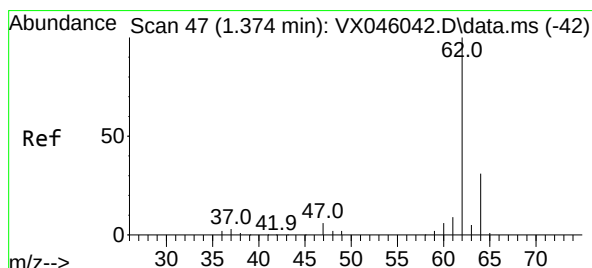
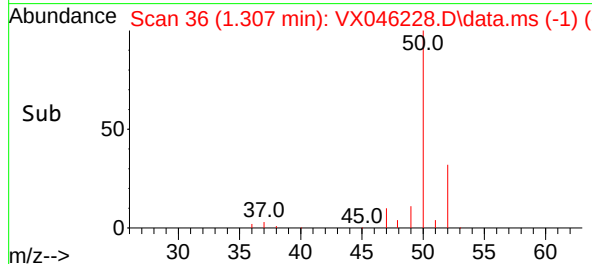
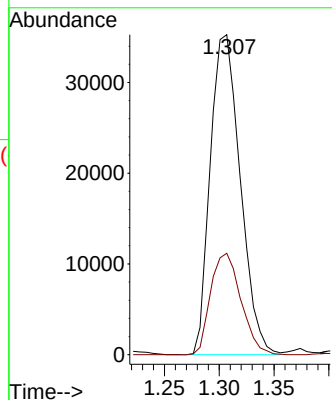
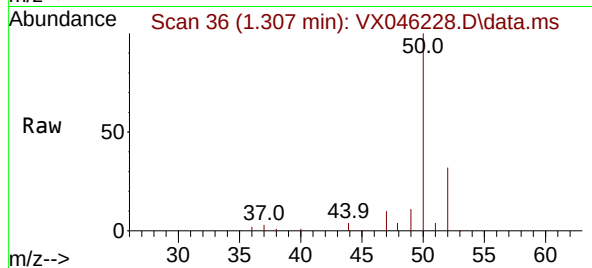
#3
Chloromethane
Concen: 47.884 ug/l
RT: 1.307 min Scan# 30
Delta R.T. 0.000 min
Lab File: VX046228.D
Acq: 16 May 2025 09:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 67192
Ion Ratio Lower Upper
50 100
52 31.7 25.4 38.2

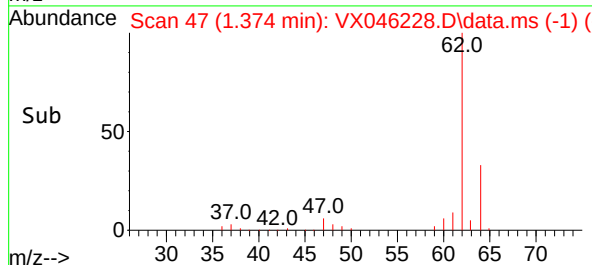
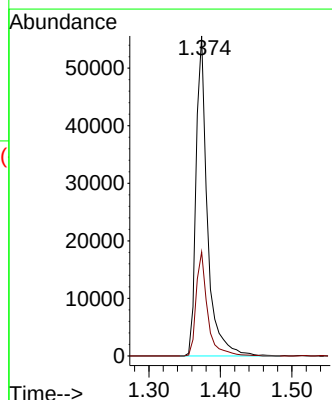
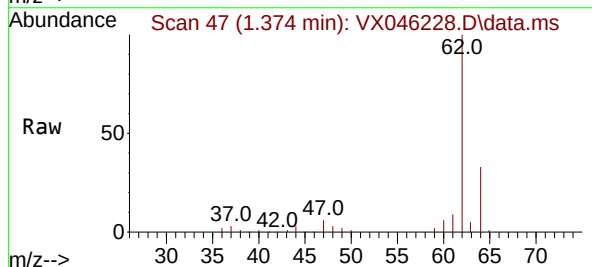
Manual Integrations
APPROVED

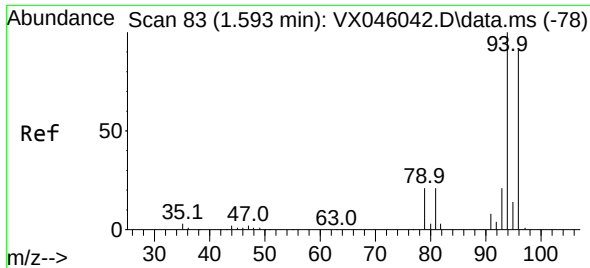
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#4
Vinyl Chloride
Concen: 46.736 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX046228.D
Acq: 16 May 2025 09:22

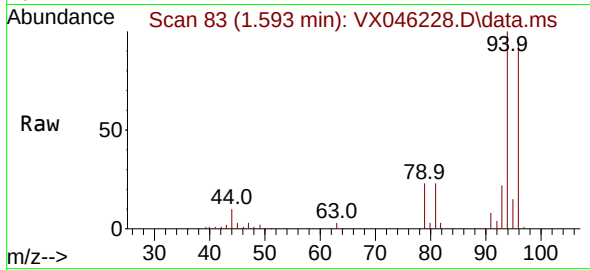
Tgt Ion: 62 Resp: 61036
Ion Ratio Lower Upper
62 100
64 32.5 25.2 37.8





#5
Bromomethane
Concen: 45.291 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX046228.D
Acq: 16 May 2025 09:22

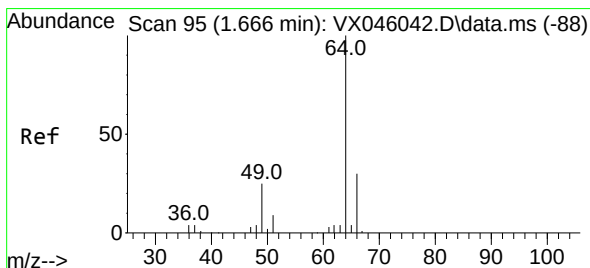
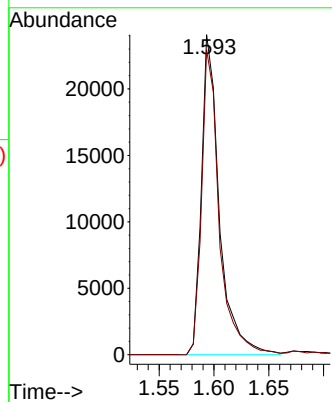
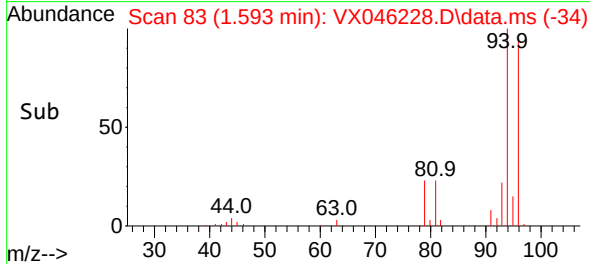
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion: 94 Resp: 27434
Ion Ratio Lower Upper
94 100
96 95.3 72.8 109.2

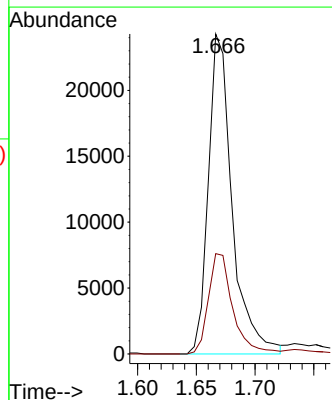
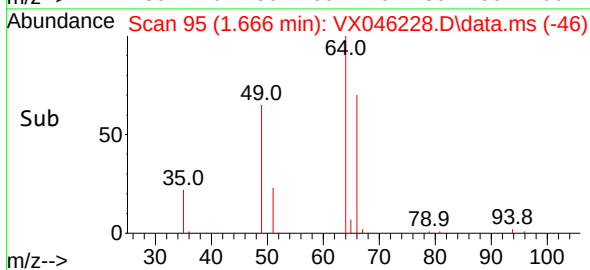
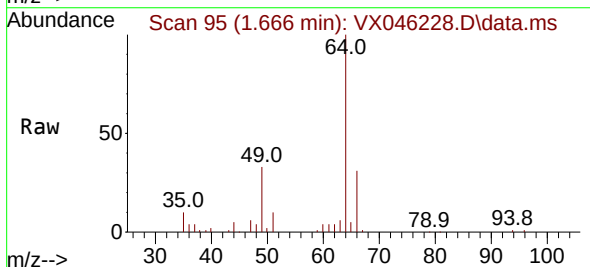
Manual Integrations
APPROVED

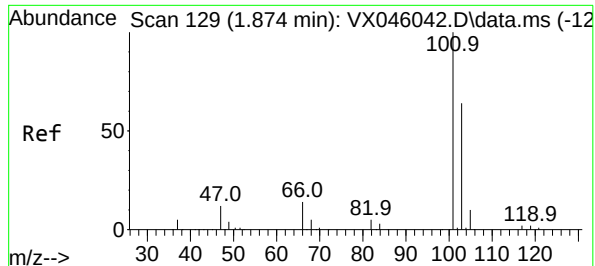
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#6
Chloroethane
Concen: 49.007 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX046228.D
Acq: 16 May 2025 09:22

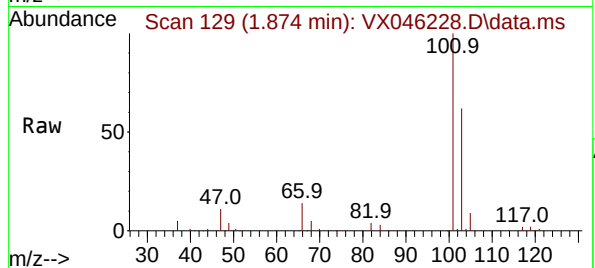
Tgt Ion: 64 Resp: 34167
Ion Ratio Lower Upper
64 100
66 31.3 24.3 36.5





#7
Trichlorofluoromethane
Concen: 50.319 ug/l
RT: 1.874 min Scan# 110
Delta R.T. 0.000 min
Lab File: VX046228.D
Acq: 16 May 2025 09:22

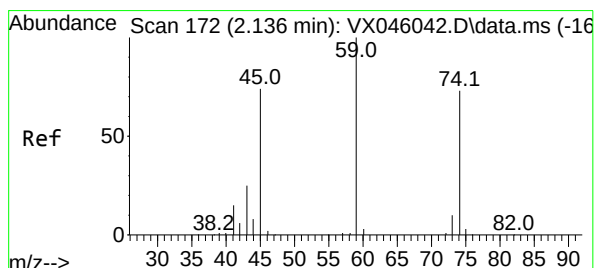
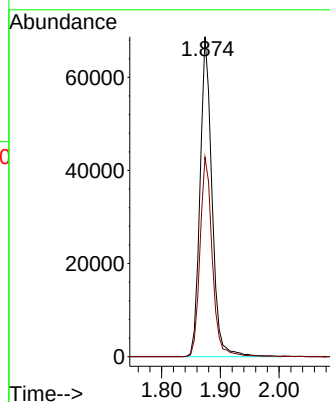
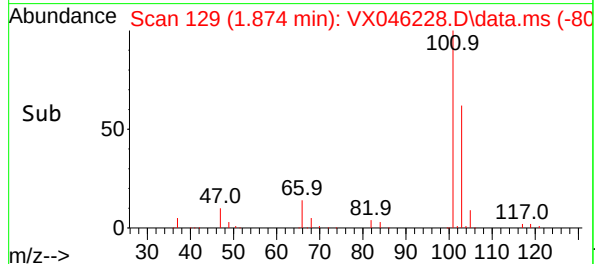
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion:101 Resp: 9712
Ion Ratio Lower Upper
101 100
103 62.3 51.0 76.4

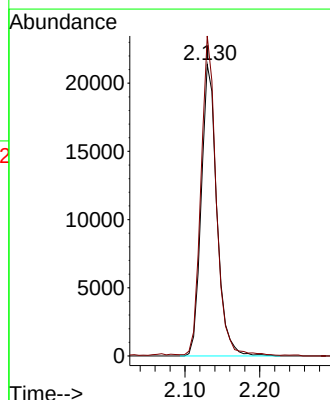
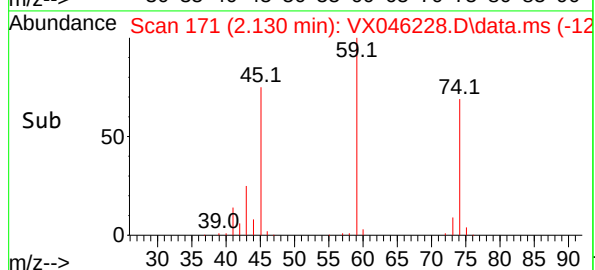
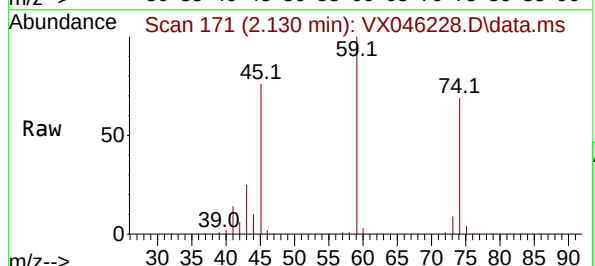
Manual Integrations
APPROVED

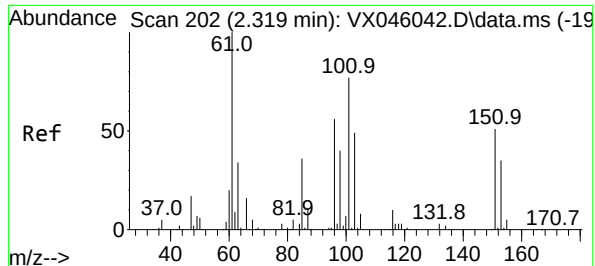
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#8
Diethyl Ether
Concen: 47.102 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX046228.D
Acq: 16 May 2025 09:22

Tgt Ion: 74 Resp: 30948
Ion Ratio Lower Upper
74 100
45 106.9 54.9 164.8





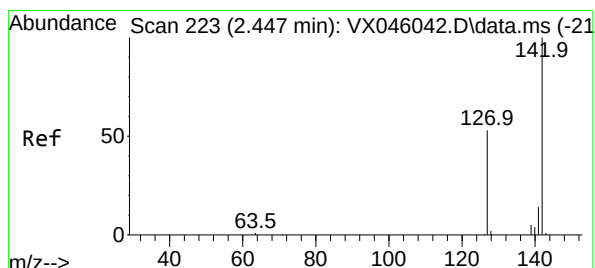
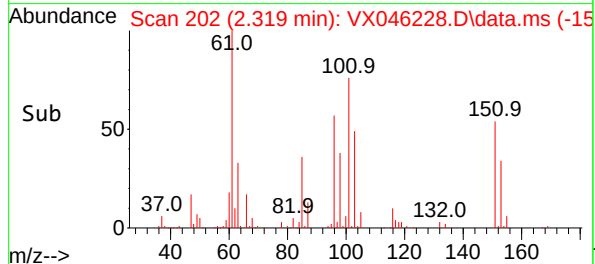
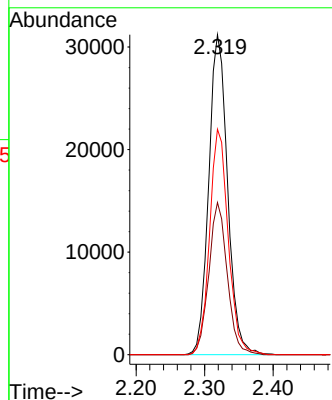
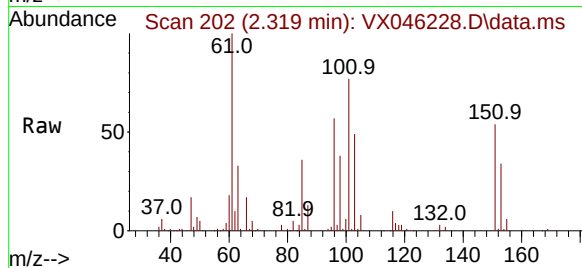
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.023 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.000 min
Lab File: VX046228.D
Acq: 16 May 2025 09:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 59749
Ion Ratio Lower Upper
101 100
85 46.6 38.6 58.0
151 69.7 55.2 82.8

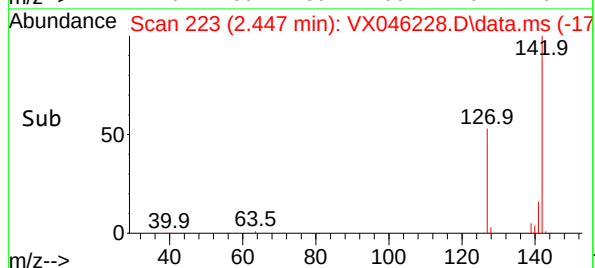
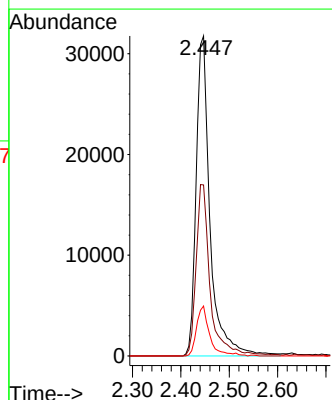
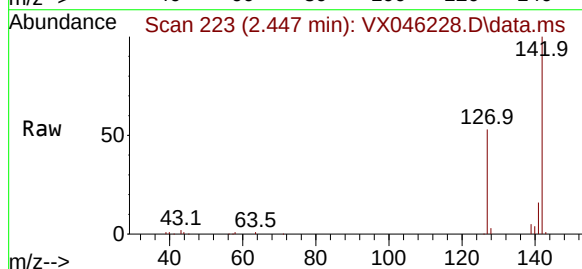
Manual Integrations
APPROVED

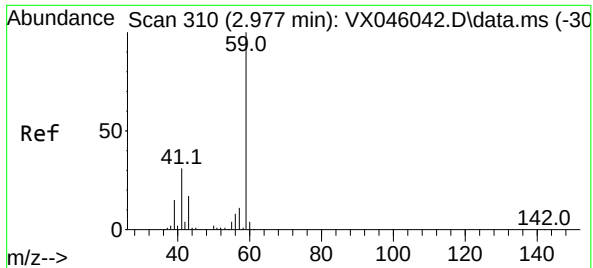
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#10
Methyl Iodide
Concen: 44.920 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX046228.D
Acq: 16 May 2025 09:22

Tgt Ion:142 Resp: 63487
Ion Ratio Lower Upper
142 100
127 54.1 41.7 62.5
141 14.7 11.5 17.3





#11

Tert butyl alcohol

Concen: 233.689 ug/l

RT: 2.971 min Scan# 30

Delta R.T. -0.006 min

Lab File: VX046228.D

Acq: 16 May 2025 09:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 59 Resp: 57810

Ion Ratio Lower Upper

59 100

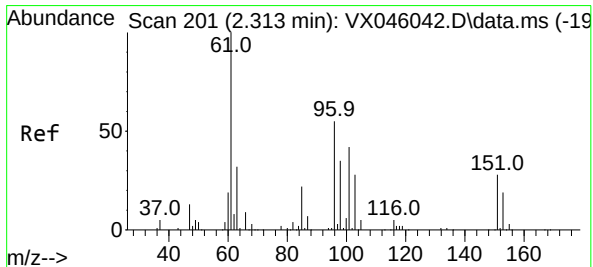
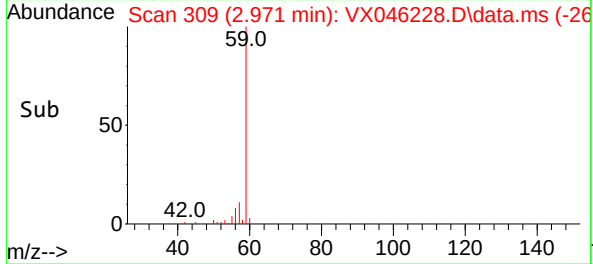
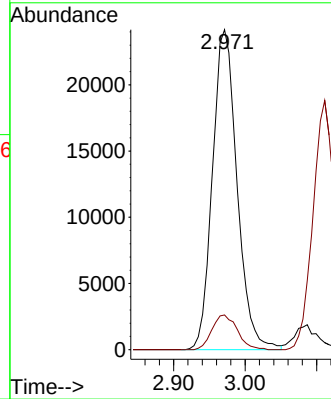
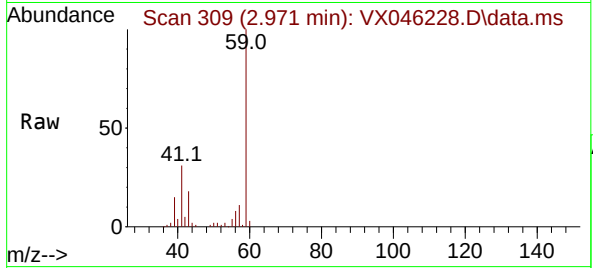
57 11.1 8.6 12.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#12

1,1-Dichloroethene

Concen: 47.290 ug/l

RT: 2.307 min Scan# 200

Delta R.T. -0.006 min

Lab File: VX046228.D

Acq: 16 May 2025 09:22

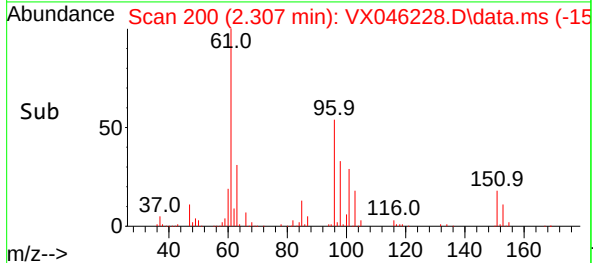
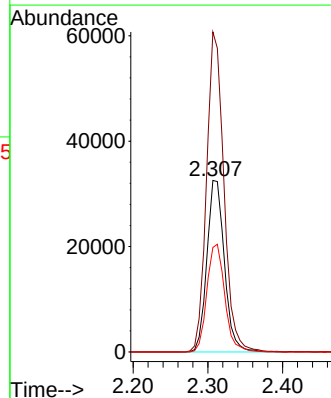
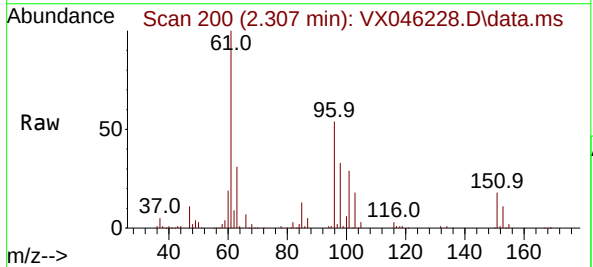
Tgt Ion: 96 Resp: 53013

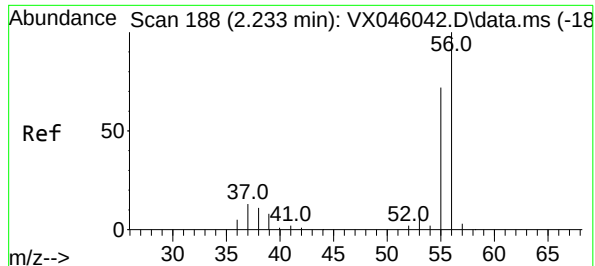
Ion Ratio Lower Upper

96 100

61 186.6 146.2 219.2

98 60.9 51.0 76.6





#13

Acrolein

Concen: 296.047 ug/l

RT: 2.233 min Scan# 188

Delta R.T. 0.000 min

Lab File: VX046228.D

Acq: 16 May 2025 09:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 8341

Ion Ratio Lower Upper

56 100

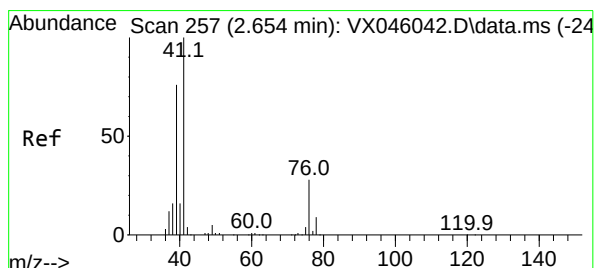
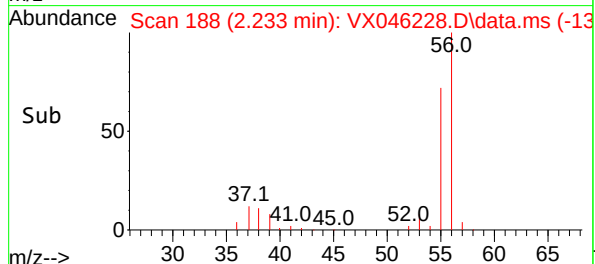
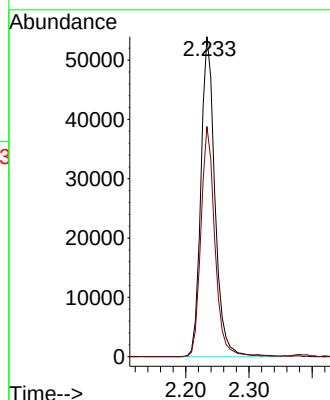
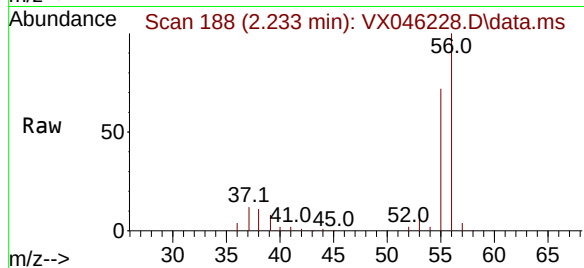
55 71.7 56.2 84.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#14

Allyl chloride

Concen: 49.825 ug/l

RT: 2.654 min Scan# 257

Delta R.T. 0.000 min

Lab File: VX046228.D

Acq: 16 May 2025 09:22

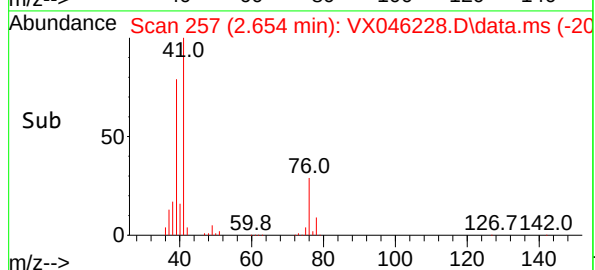
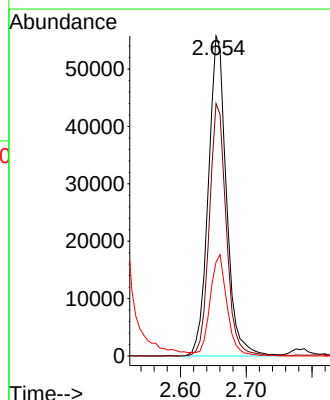
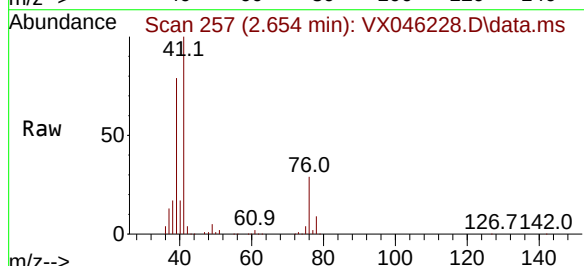
Tgt Ion: 41 Resp: 106749

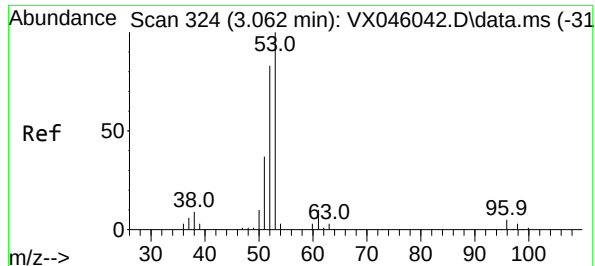
Ion Ratio Lower Upper

41 100

39 73.7 60.6 90.8

76 29.7 24.9 37.3





#15

Acrylonitrile

Concen: 248.278 ug/l

RT: 3.063 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX046228.D

Acq: 16 May 2025 09:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 53 Resp: 17564

Ion Ratio Lower Upper

53 100

52 85.0 65.3 97.9

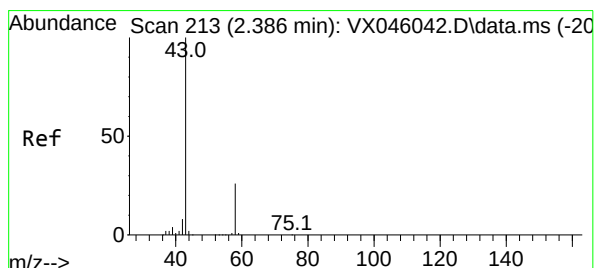
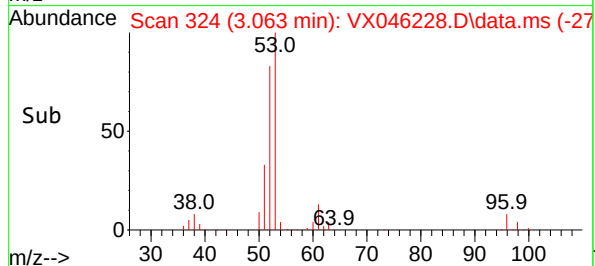
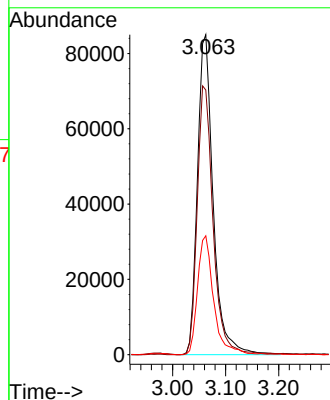
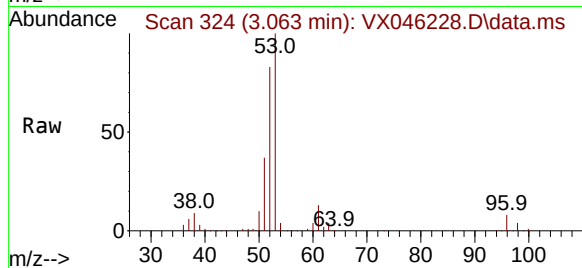
51 38.1 29.8 44.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#16

Acetone

Concen: 255.326 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX046228.D

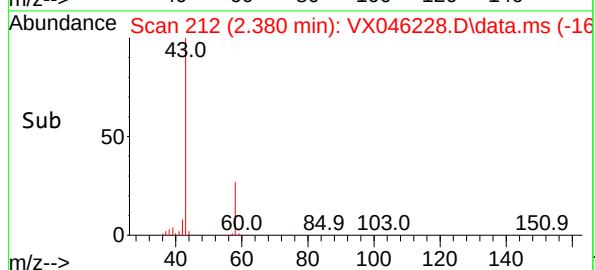
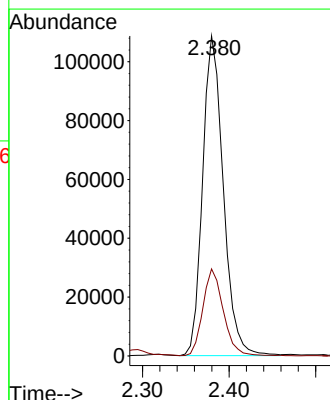
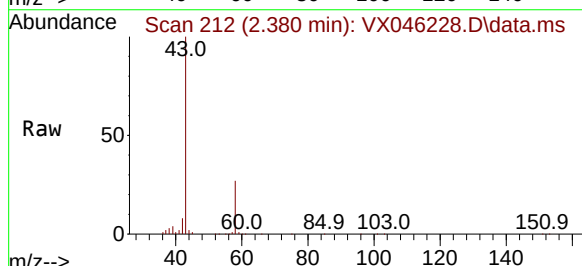
Acq: 16 May 2025 09:22

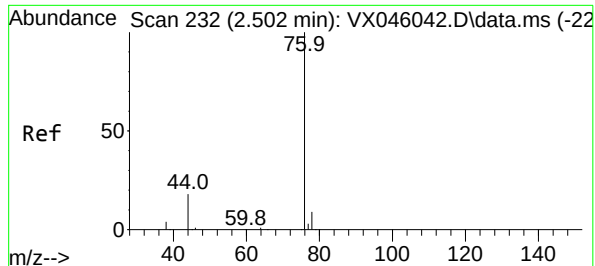
Tgt Ion: 43 Resp: 180437

Ion Ratio Lower Upper

43 100

58 27.0 21.2 31.8





#17

Carbon Disulfide

Concen: 44.170 ug/l

RT: 2.502 min Scan# 211

Delta R.T. 0.000 min

Lab File: VX046228.D

Acq: 16 May 2025 09:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 11739

Ion Ratio Lower Upper

76 100

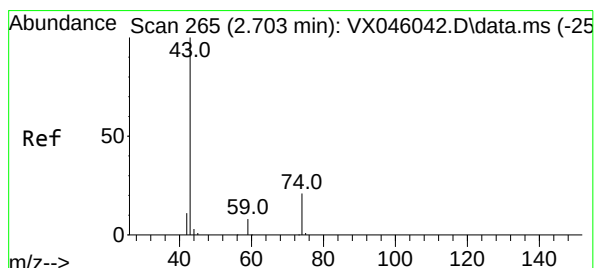
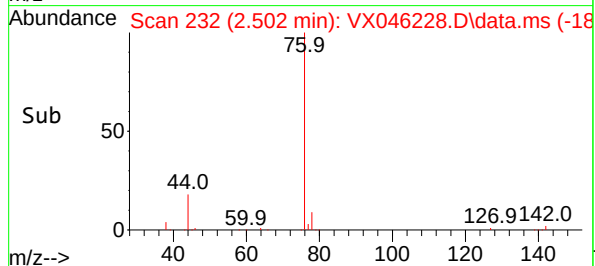
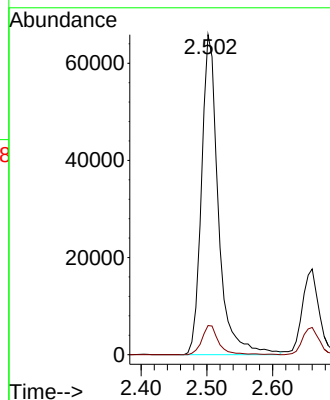
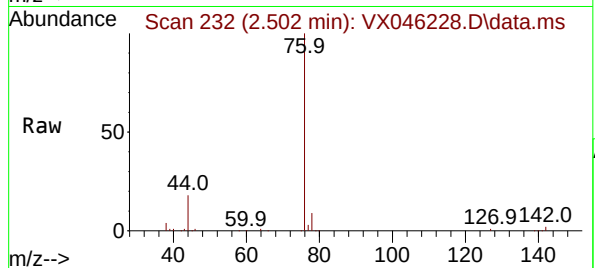
78 9.1 7.0 10.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#18

Methyl Acetate

Concen: 54.316 ug/l

RT: 2.703 min Scan# 265

Delta R.T. 0.000 min

Lab File: VX046228.D

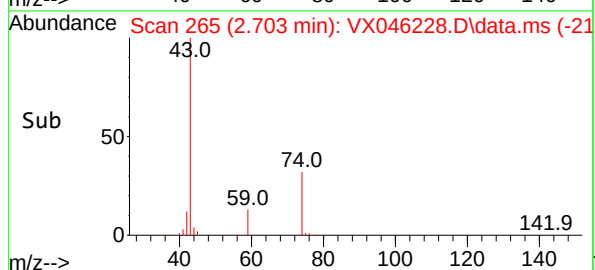
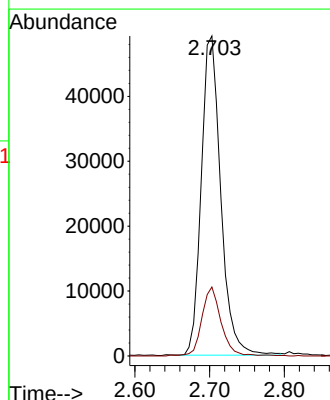
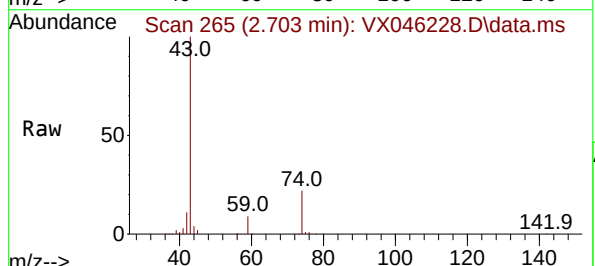
Acq: 16 May 2025 09:22

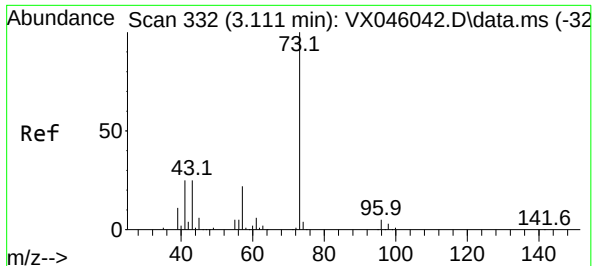
Tgt Ion: 43 Resp: 89072

Ion Ratio Lower Upper

43 100

74 21.2 16.7 25.1





#19

Methyl tert-butyl Ether

Concen: 48.577 ug/l

RT: 3.111 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX046228.D

Acq: 16 May 2025 09:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 73 Resp: 19091

Ion Ratio Lower Upper

73 100

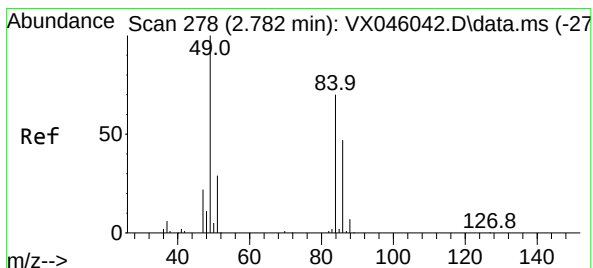
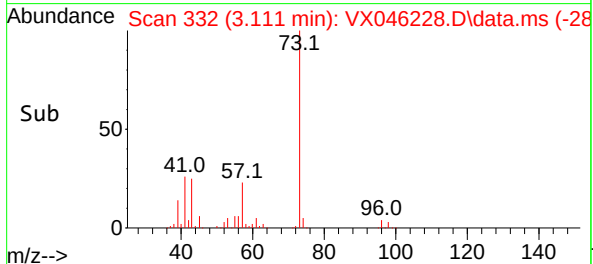
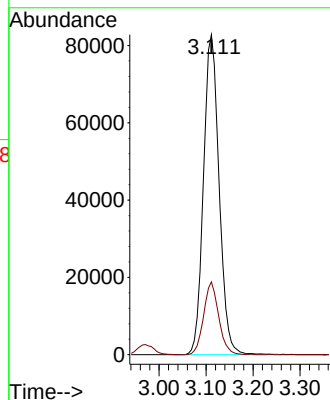
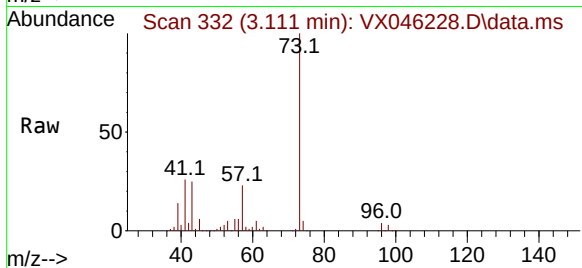
57 22.7 17.7 26.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#20

Methylene Chloride

Concen: 45.492 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.000 min

Lab File: VX046228.D

Acq: 16 May 2025 09:22

Tgt Ion: 84 Resp: 61607

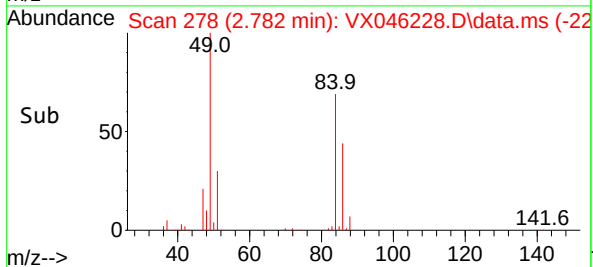
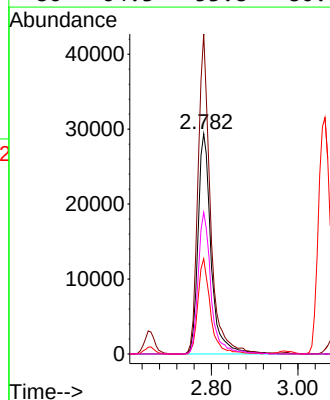
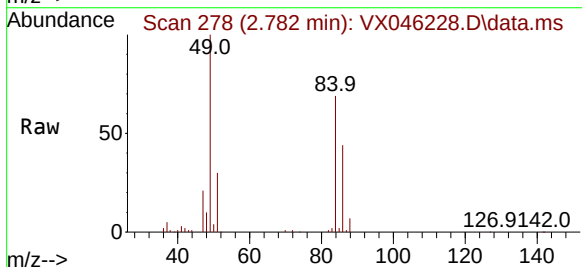
Ion Ratio Lower Upper

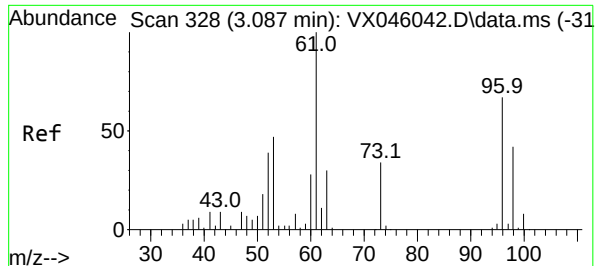
84 100

49 145.3 113.9 170.9

51 43.2 33.5 50.3

86 64.3 53.8 80.8





#21

trans-1,2-Dichloroethene

Concen: 47.883 ug/l

RT: 3.081 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX046228.D

Acq: 16 May 2025 09:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 5398

Ion Ratio Lower Upper

96 100

61 149.1 119.5 179.3

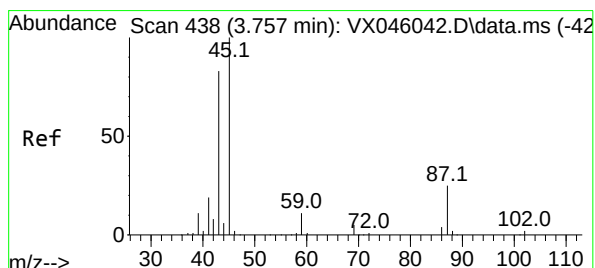
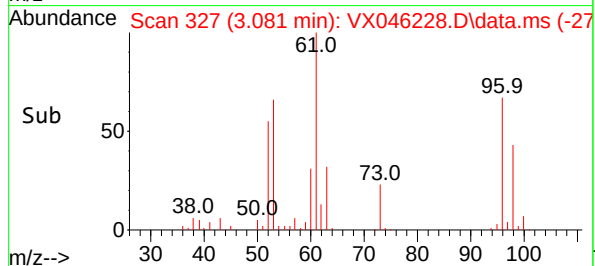
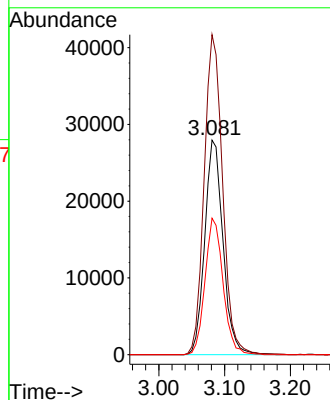
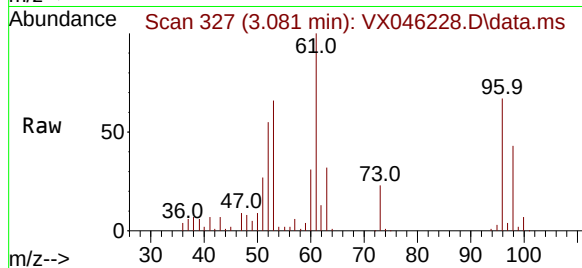
98 63.6 50.0 75.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#22

Diisopropyl ether

Concen: 49.862 ug/l

RT: 3.758 min Scan# 438

Delta R.T. 0.000 min

Lab File: VX046228.D

Acq: 16 May 2025 09:22

Tgt Ion: 45 Resp: 206352

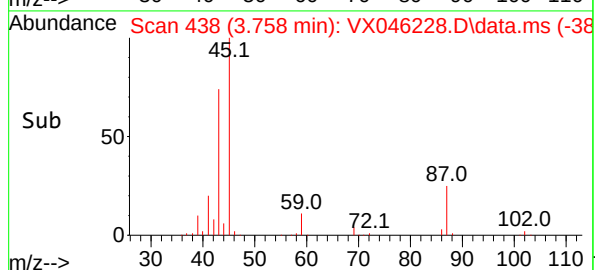
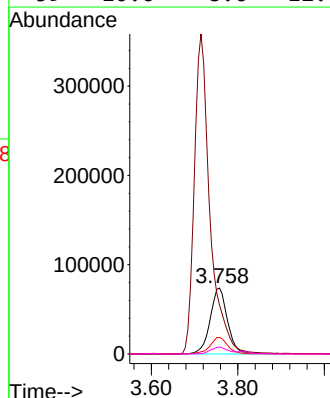
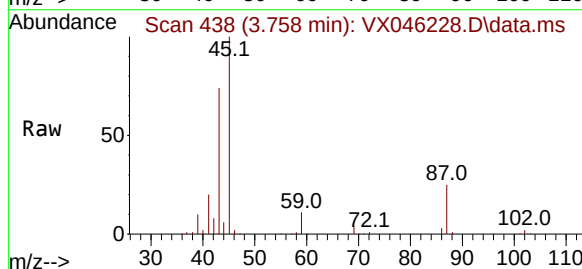
Ion Ratio Lower Upper

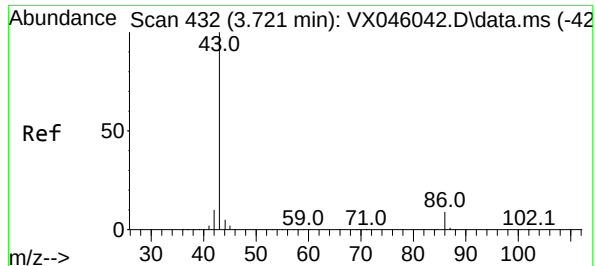
45 100

43 73.8 66.6 100.0

87 24.9 19.8 29.6

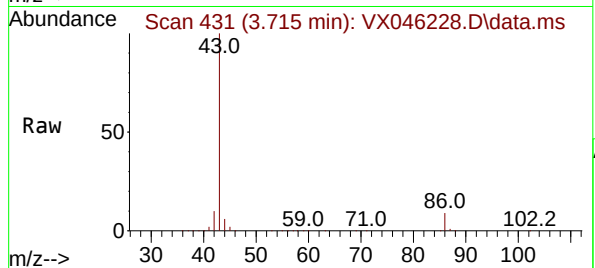
59 10.6 8.6 12.8





#23
Vinyl Acetate
Concen: 247.687 ug/l
RT: 3.715 min Scan# 411
Delta R.T. -0.006 min
Lab File: VX046228.D
Acq: 16 May 2025 09:22

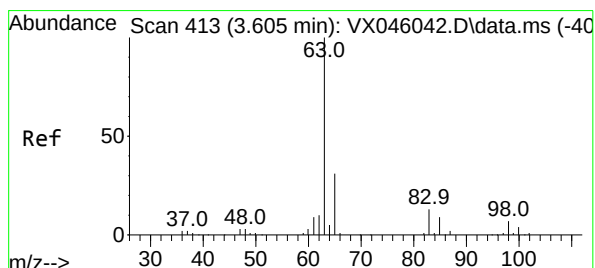
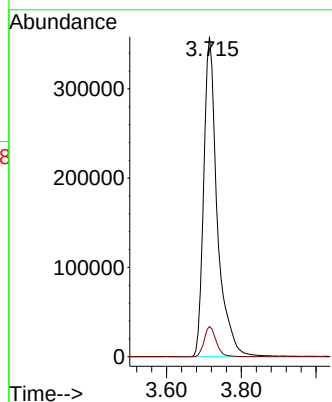
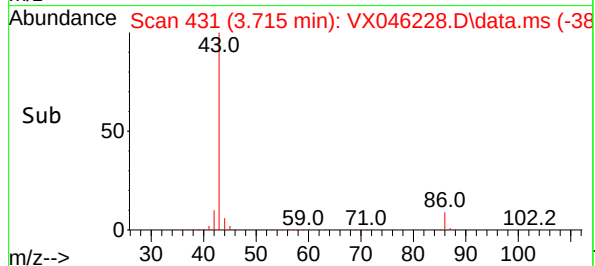
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



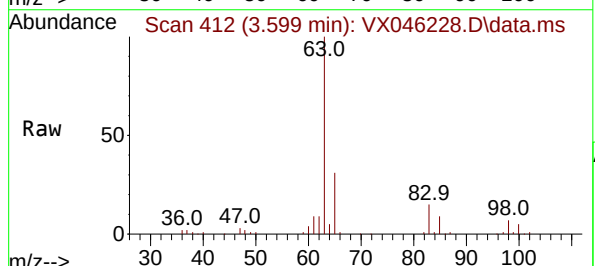
Tgt Ion: 43 Resp: 901560
Ion Ratio Lower Upper
43 100
86 9.4 7.5 11.3

Manual Integrations
APPROVED

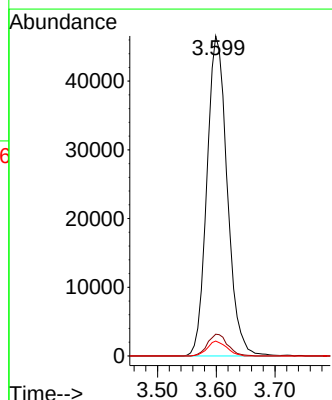
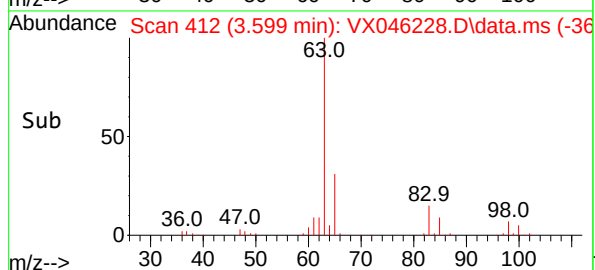
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025

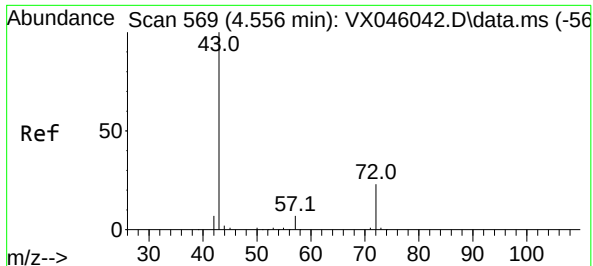


#24
1,1-Dichloroethane
Concen: 48.548 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX046228.D
Acq: 16 May 2025 09:22



Tgt Ion: 63 Resp: 111905
Ion Ratio Lower Upper
63 100
98 6.8 3.6 10.8
100 4.7 2.1 6.3





#25

2-Butanone

Concen: 251.138 ug/l

RT: 4.550 min Scan# 50

Delta R.T. -0.006 min

Lab File: VX046228.D

Acq: 16 May 2025 09:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 257659

Ion Ratio Lower Upper

43 100

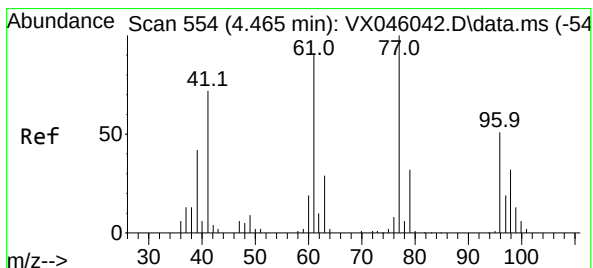
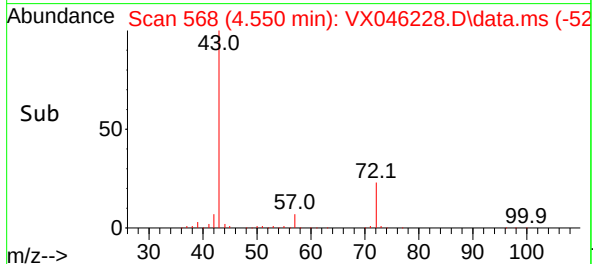
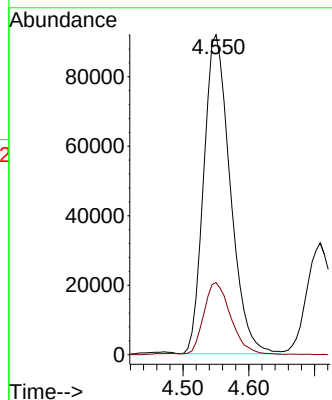
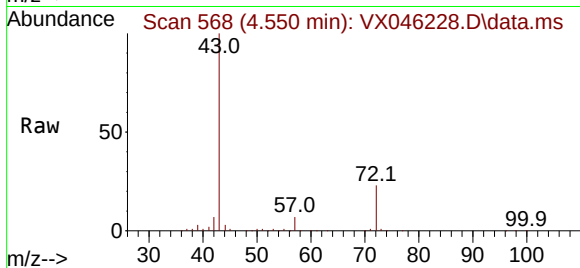
72 22.5 18.4 27.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#26

2,2-Dichloropropane

Concen: 49.765 ug/l

RT: 4.465 min Scan# 554

Delta R.T. 0.000 min

Lab File: VX046228.D

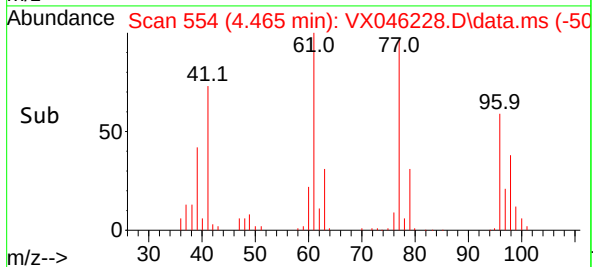
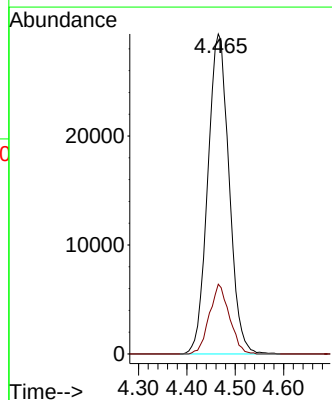
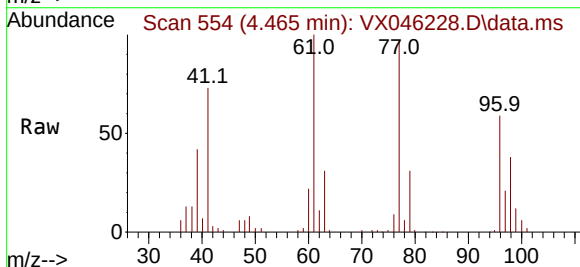
Acq: 16 May 2025 09:22

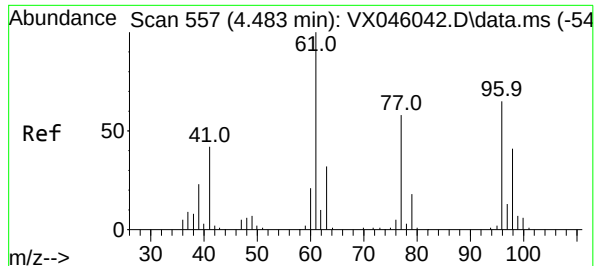
Tgt Ion: 77 Resp: 89785

Ion Ratio Lower Upper

77 100

97 20.5 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 47.618 ug/l

RT: 4.477 min Scan# 557

Delta R.T. -0.006 min

Lab File: VX046228.D

Acq: 16 May 2025 09:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 64624

Ion Ratio Lower Upper

96 100

61 164.6 0.0 322.8

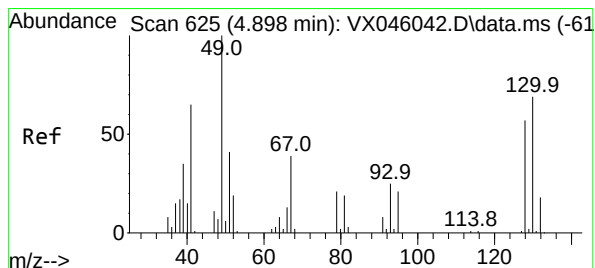
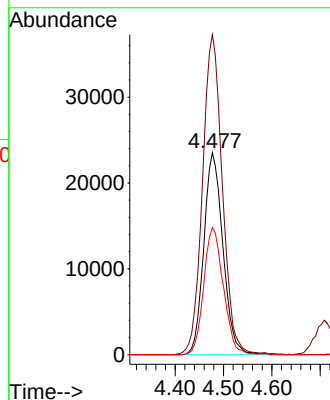
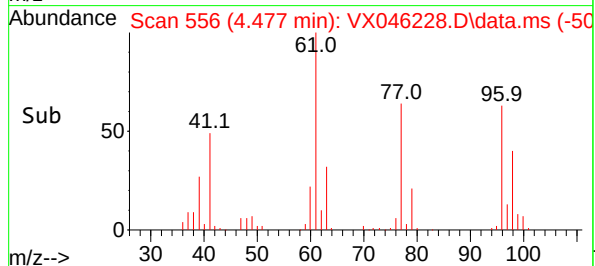
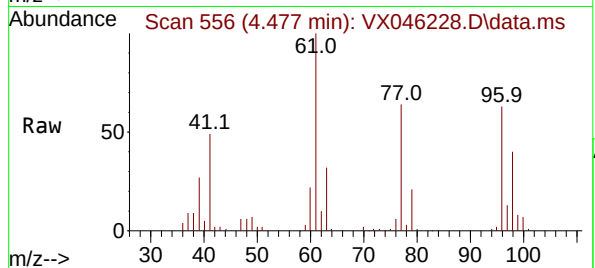
98 64.4 0.0 129.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#28

Bromochloromethane

Concen: 50.823 ug/l

RT: 4.885 min Scan# 623

Delta R.T. -0.012 min

Lab File: VX046228.D

Acq: 16 May 2025 09:22

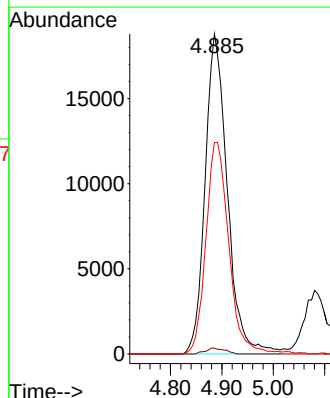
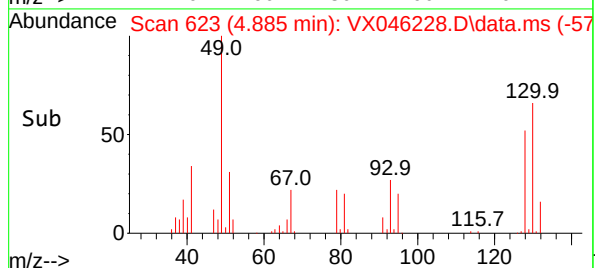
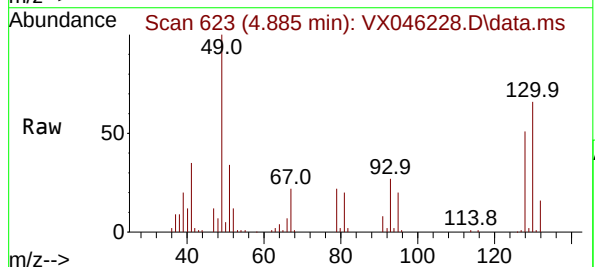
Tgt Ion: 49 Resp: 56389

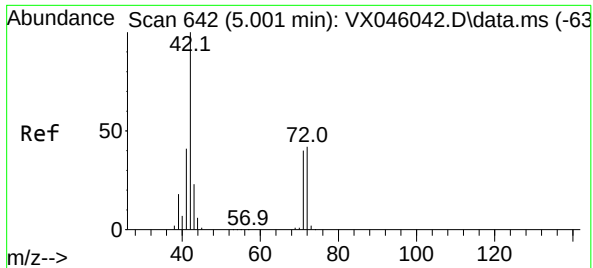
Ion Ratio Lower Upper

49 100

129 1.6 0.0 4.0

130 68.1 56.2 84.2





#29

Tetrahydrofuran

Concen: 240.809 ug/l

RT: 4.995 min Scan# 641

Delta R.T. -0.006 min

Lab File: VX046228.D

Acq: 16 May 2025 09:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 42 Resp: 15481

Ion Ratio Lower Upper

42 100

72 41.9 33.7 50.5

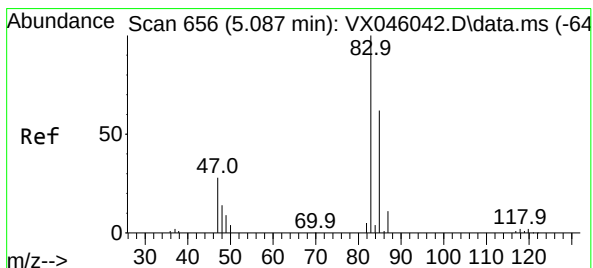
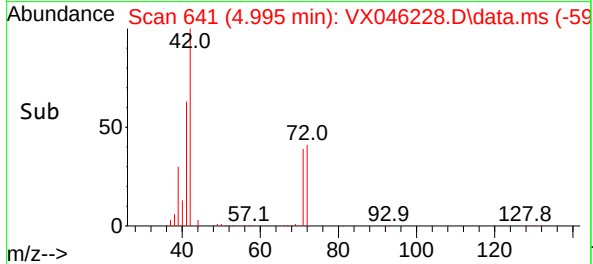
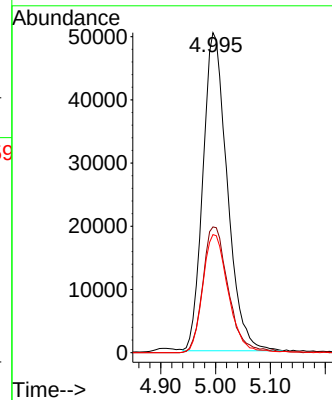
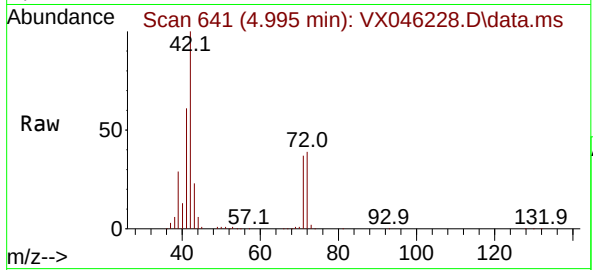
71 38.9 31.4 47.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#30

Chloroform

Concen: 49.338 ug/l

RT: 5.080 min Scan# 655

Delta R.T. -0.006 min

Lab File: VX046228.D

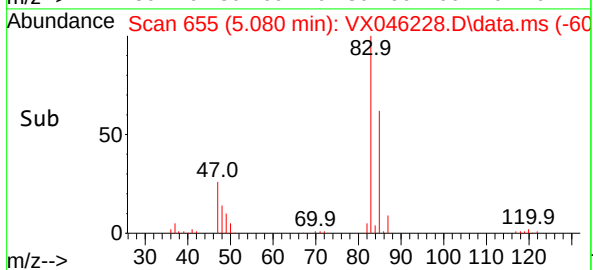
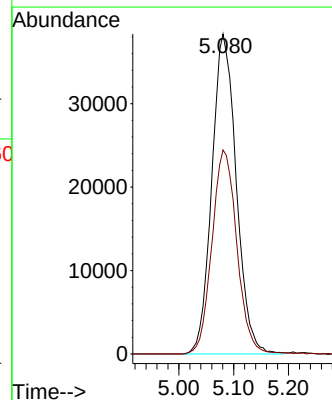
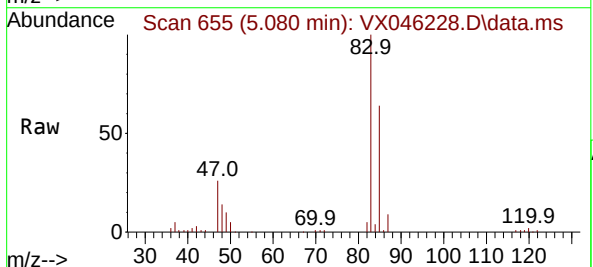
Acq: 16 May 2025 09:22

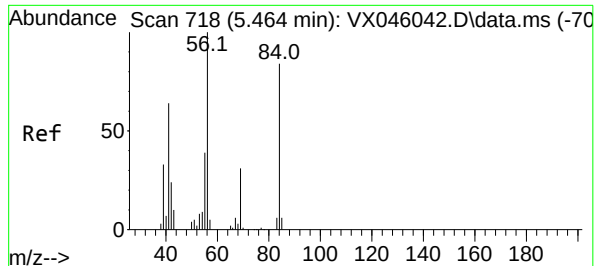
Tgt Ion: 83 Resp: 118538

Ion Ratio Lower Upper

83 100

85 63.8 49.3 73.9





#31

Cyclohexane

Concen: 46.559 ug/l

RT: 5.452 min Scan# 716

Delta R.T. -0.012 min

Lab File: VX046228.D

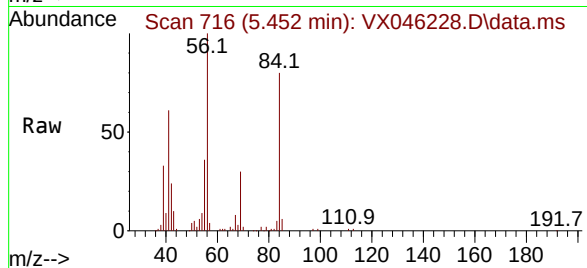
Acq: 16 May 2025 09:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050



Tgt Ion: 56 Resp: 97790

Ion Ratio Lower Upper

56 100

69 30.1 24.4 36.6

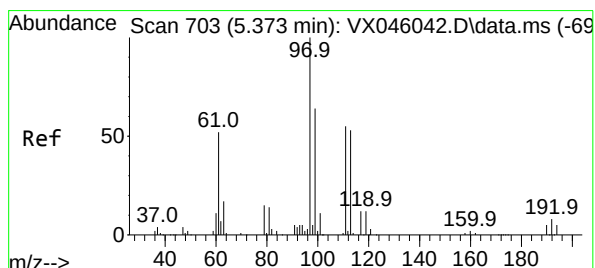
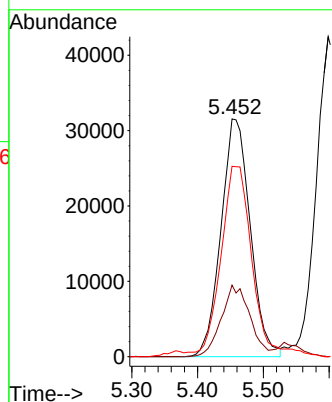
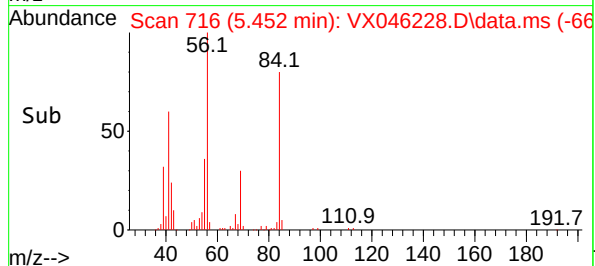
84 77.9 66.9 100.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#32

1,1,1-Trichloroethane

Concen: 48.706 ug/l

RT: 5.373 min Scan# 703

Delta R.T. 0.000 min

Lab File: VX046228.D

Acq: 16 May 2025 09:22

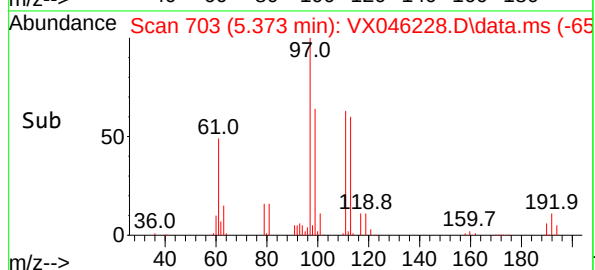
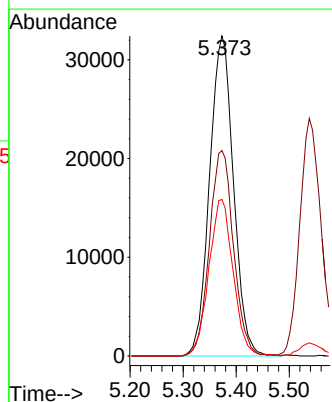
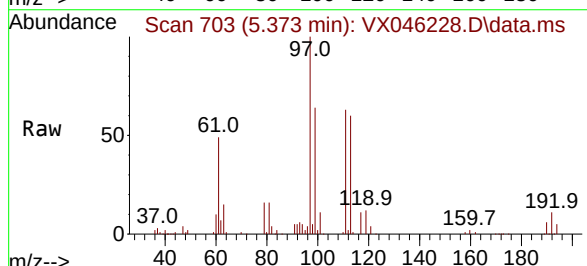
Tgt Ion: 97 Resp: 101438

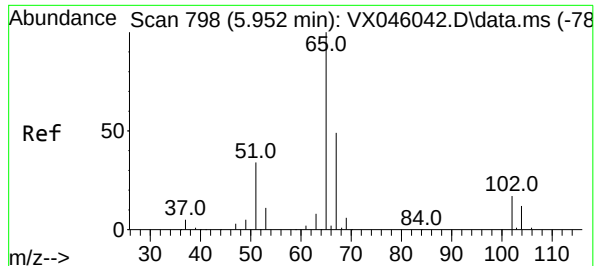
Ion Ratio Lower Upper

97 100

99 64.7 51.8 77.6

61 49.7 40.1 60.1





#33

1,2-Dichloroethane-d4

Concen: 48.032 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX046228.D

Acq: 16 May 2025 09:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 84658

Ion Ratio Lower Upper

65 100

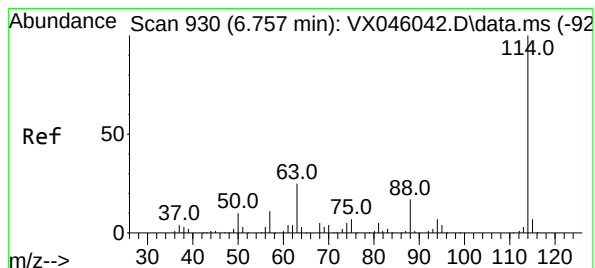
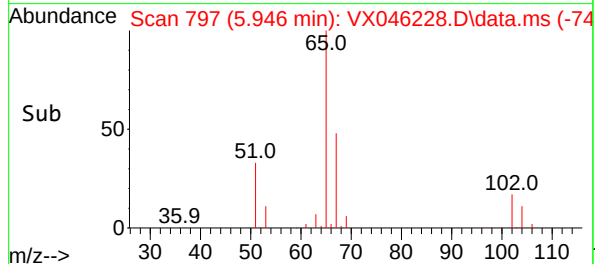
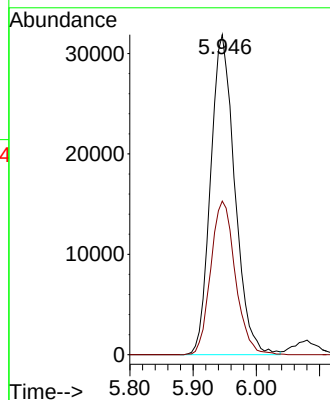
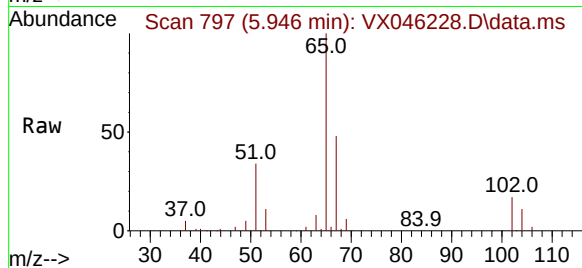
67 48.8 0.0 99.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. -0.006 min

Lab File: VX046228.D

Acq: 16 May 2025 09:22

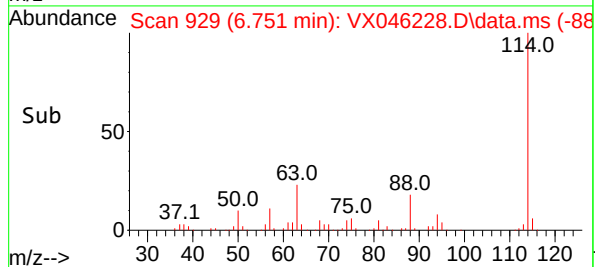
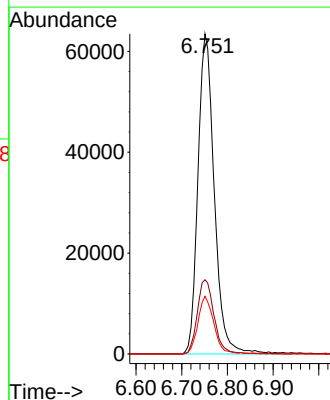
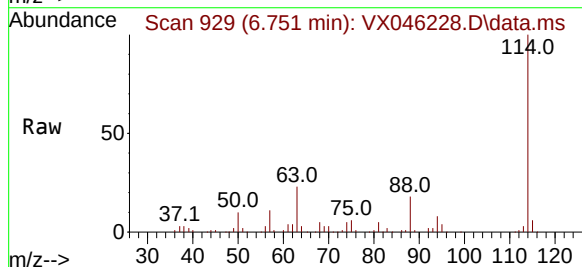
Tgt Ion:114 Resp: 157316

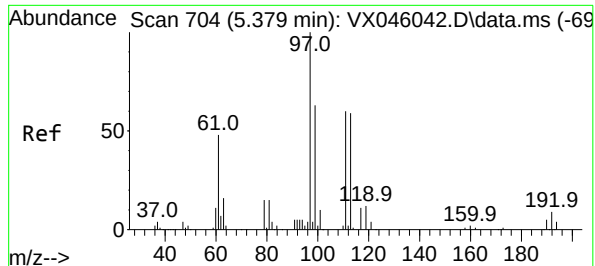
Ion Ratio Lower Upper

114 100

63 23.2 0.0 49.2

88 18.1 0.0 33.6





#35

Dibromofluoromethane

Concen: 52.812 ug/l

RT: 5.373 min Scan# 704

Delta R.T. -0.006 min

Lab File: VX046228.D

Acq: 16 May 2025 09:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

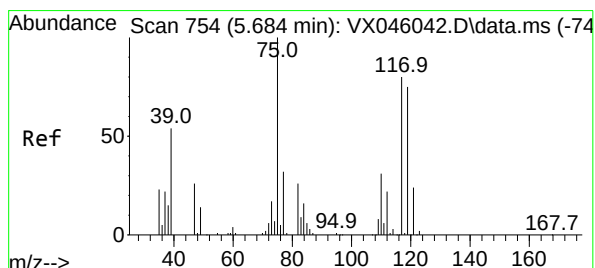
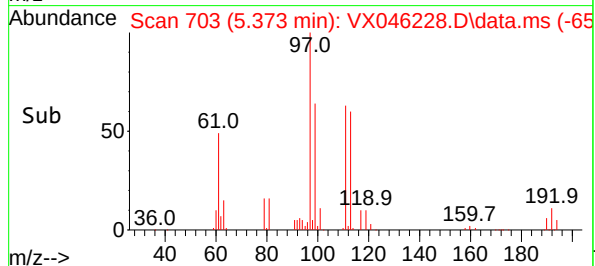
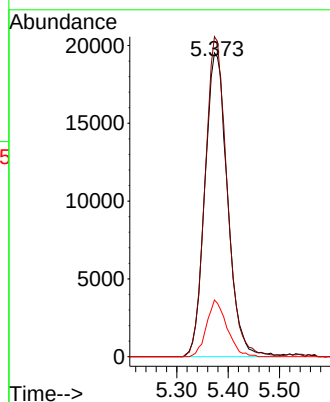
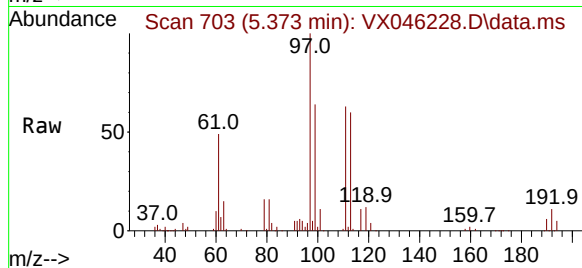
Tgt Ion:	113	Resp:	59828
Ion Ratio	Lower	Upper	
113	100		
111	102.5	83.1	124.7
192	16.8	13.3	19.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#36

1,1-Dichloropropene

Concen: 48.739 ug/l

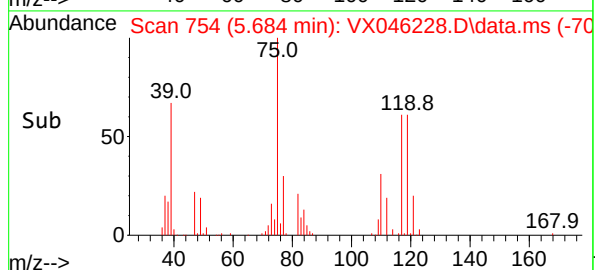
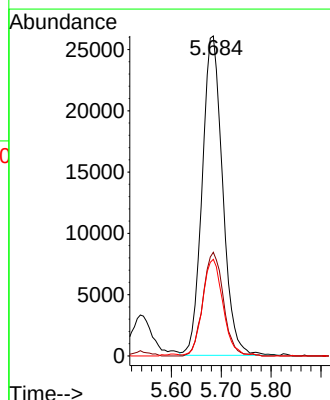
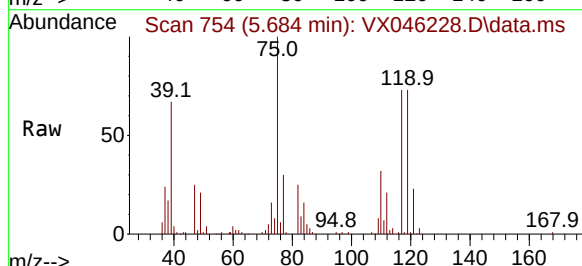
RT: 5.684 min Scan# 754

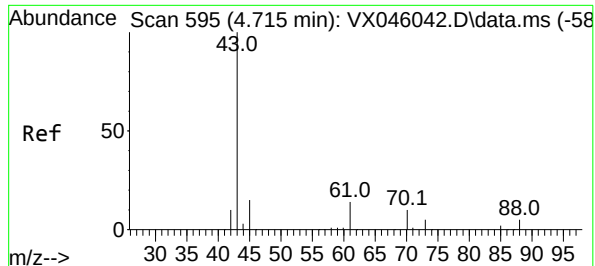
Delta R.T. 0.000 min

Lab File: VX046228.D

Acq: 16 May 2025 09:22

Tgt Ion:	75	Resp:	74185
Ion Ratio	Lower	Upper	
75	100		
110	32.6	16.3	48.9
77	30.4	24.3	36.5





#37

Ethyl Acetate

Concen: 47.626 ug/l

RT: 4.709 min Scan# 595

Delta R.T. -0.006 min

Lab File: VX046228.D

Acq: 16 May 2025 09:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 89562

Ion Ratio Lower Upper

43 100

61 12.7 10.3 15.5

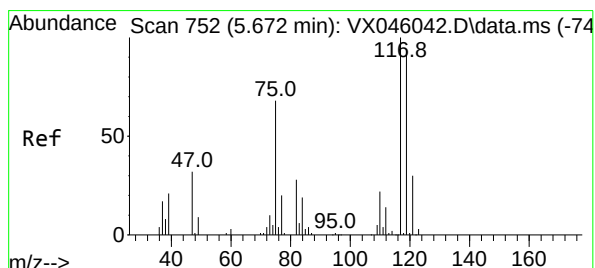
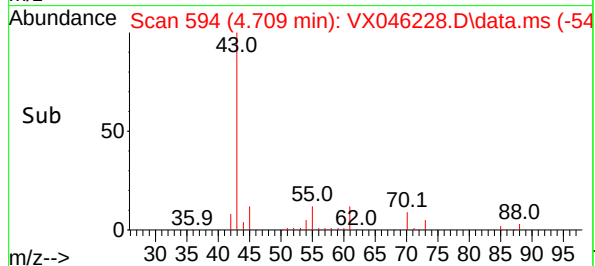
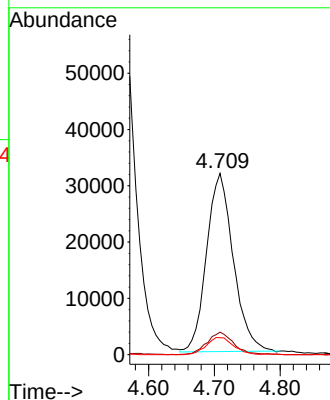
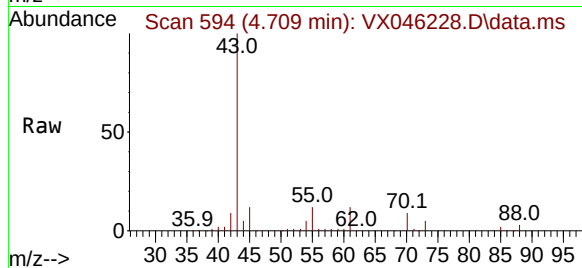
70 9.8 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#38

Carbon Tetrachloride

Concen: 51.040 ug/l

RT: 5.666 min Scan# 751

Delta R.T. -0.006 min

Lab File: VX046228.D

Acq: 16 May 2025 09:22

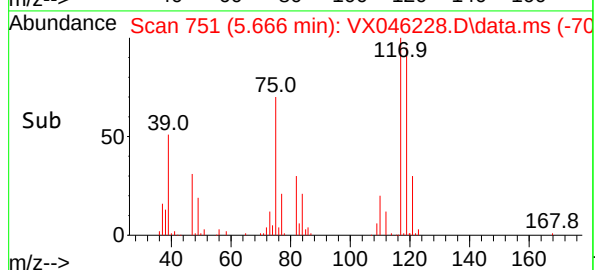
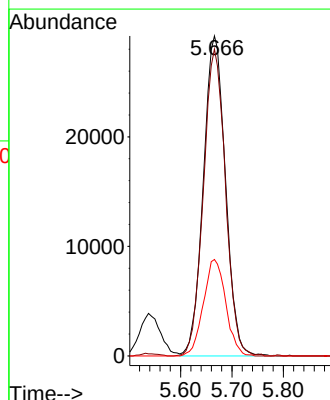
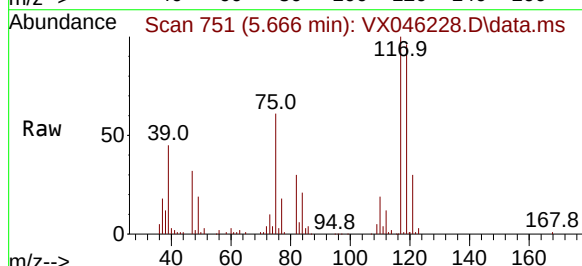
Tgt Ion:117 Resp: 87289

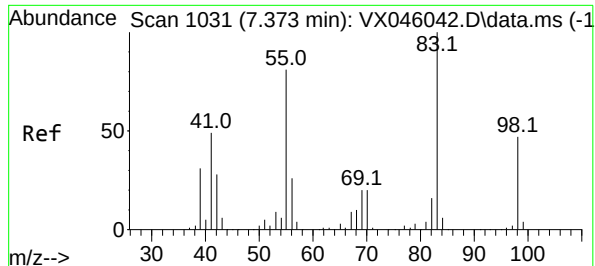
Ion Ratio Lower Upper

117 100

119 95.6 75.2 112.8

121 30.2 24.2 36.4





#39

Methylcyclohexane

Concen: 48.850 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VX046228.D

Acq: 16 May 2025 09:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 95724

Ion Ratio Lower Upper

83 100

55 82.0 64.7 97.1

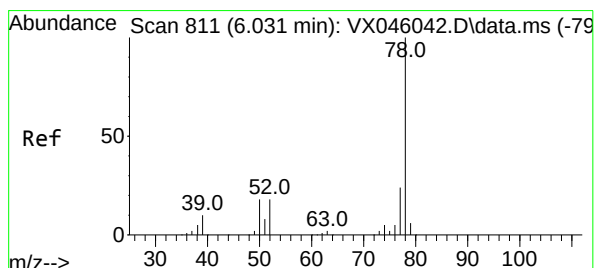
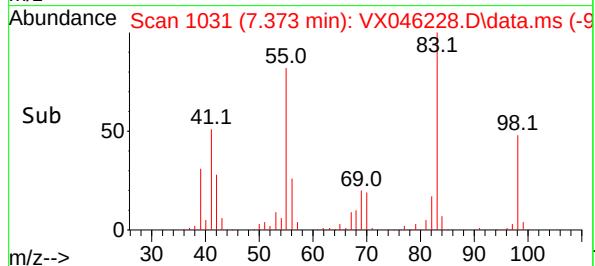
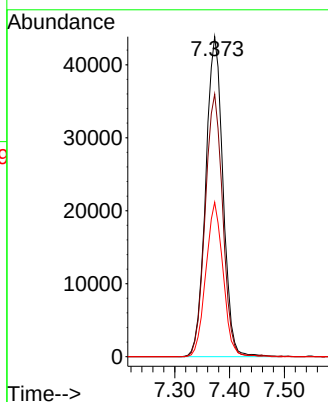
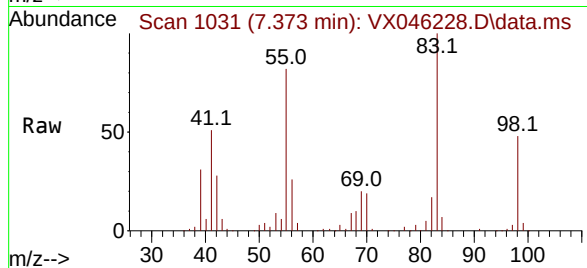
98 48.3 37.4 56.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#40

Benzene

Concen: 50.018 ug/l

RT: 6.025 min Scan# 810

Delta R.T. -0.006 min

Lab File: VX046228.D

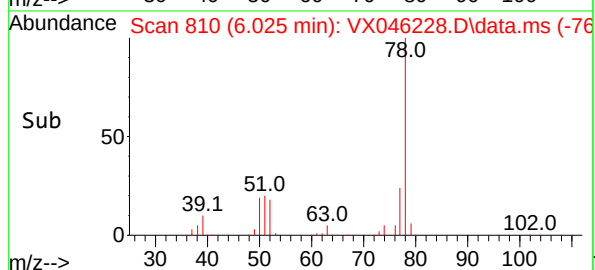
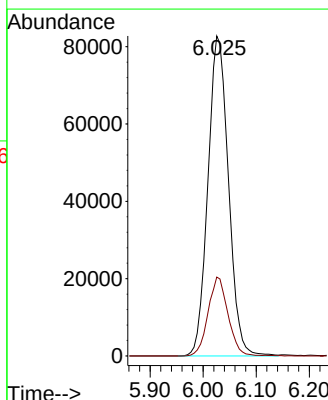
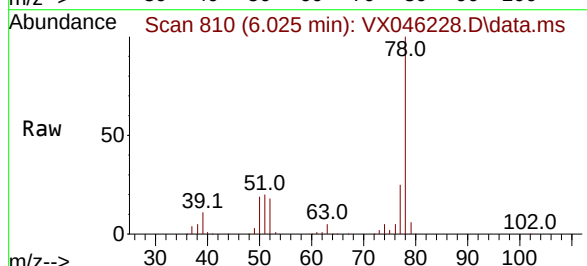
Acq: 16 May 2025 09:22

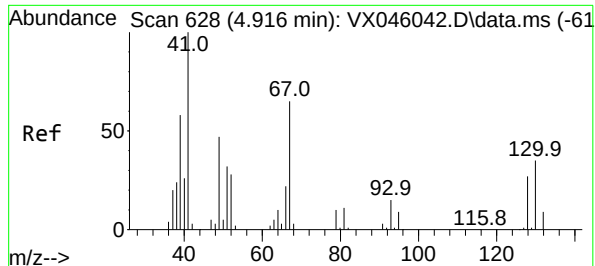
Tgt Ion: 78 Resp: 222999

Ion Ratio Lower Upper

78 100

77 24.6 19.0 28.4





#41

Methacrylonitrile

Concen: 54.832 ug/l

RT: 4.910 min Scan# 61

Delta R.T. -0.006 min

Lab File: VX046228.D

Acq: 16 May 2025 09:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 53940

Ion Ratio Lower Upper

41 100

39 58.0 47.2 70.8

67 64.9 50.7 76.1

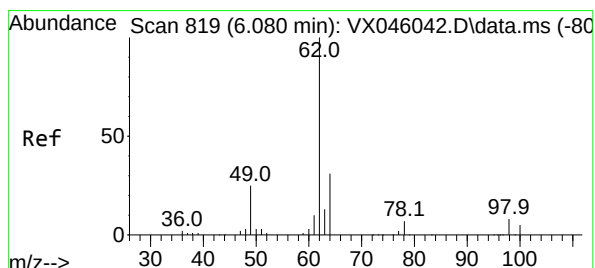
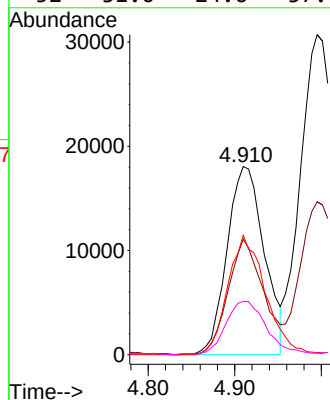
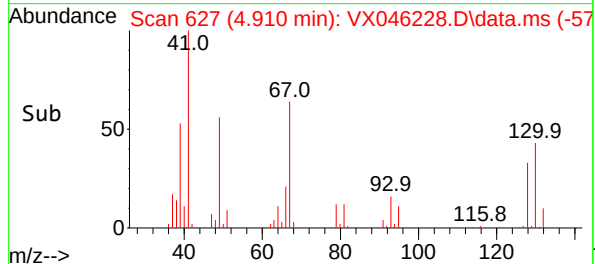
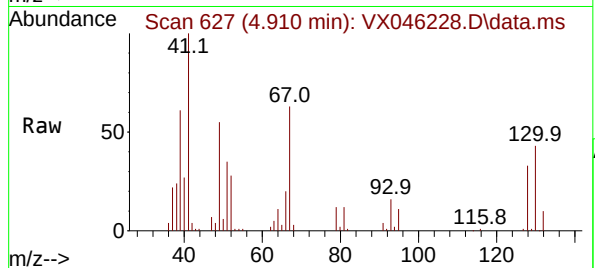
52 31.0 24.6 37.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#42

1,2-Dichloroethane

Concen: 50.211 ug/l

RT: 6.074 min Scan# 818

Delta R.T. -0.006 min

Lab File: VX046228.D

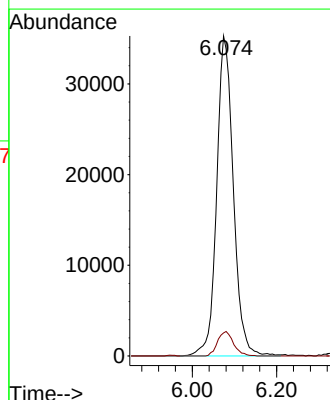
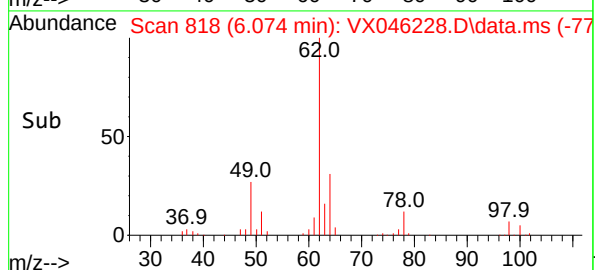
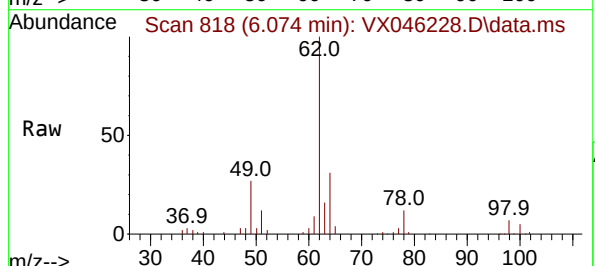
Acq: 16 May 2025 09:22

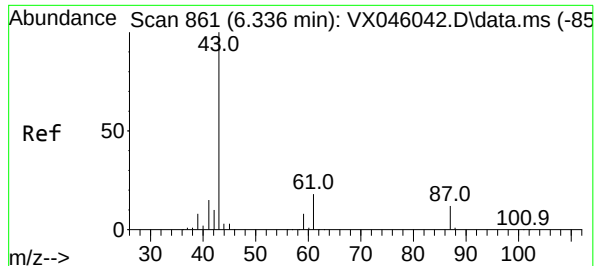
Tgt Ion: 62 Resp: 96614

Ion Ratio Lower Upper

62 100

98 7.3 0.0 15.2





#43

Isopropyl Acetate

Concen: 51.114 ug/l

RT: 6.330 min Scan# 80

Delta R.T. -0.006 min

Lab File: VX046228.D

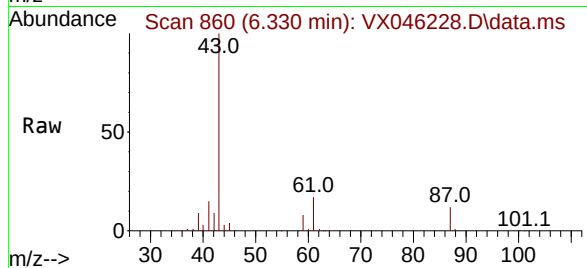
Acq: 16 May 2025 09:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050



Tgt Ion: 43 Resp: 146639

Ion Ratio Lower Upper

43 100

61 17.9

87 11.8

101 14.3

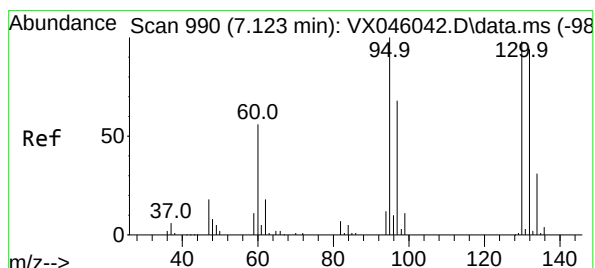
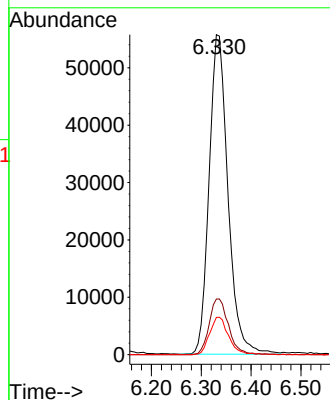
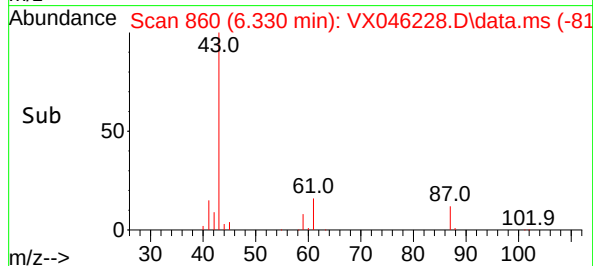
101.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#44

Trichloroethene

Concen: 49.949 ug/l

RT: 7.117 min Scan# 989

Delta R.T. -0.006 min

Lab File: VX046228.D

Acq: 16 May 2025 09:22

Tgt Ion:130 Resp: 53597

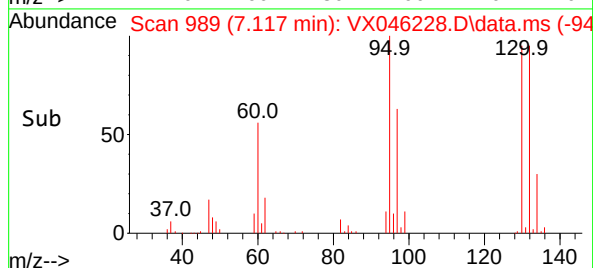
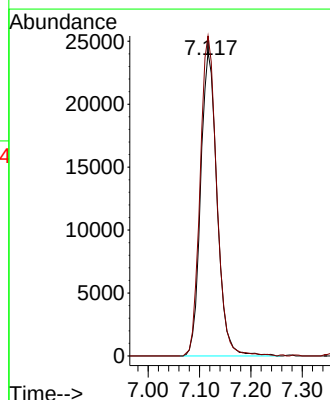
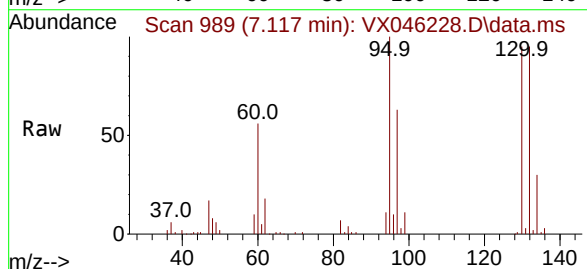
Ion Ratio Lower Upper

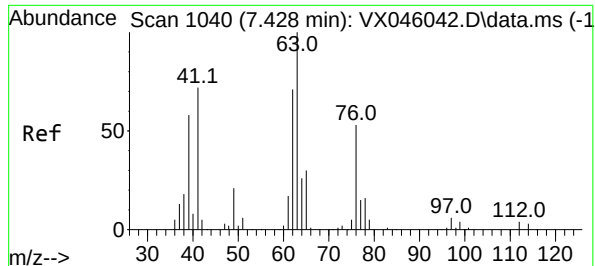
130 100

95 105.3

129 0.0

129.9 204.2





#45

1,2-Dichloropropane

Concen: 52.981 ug/l

RT: 7.422 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VX046228.D

Acq: 16 May 2025 09:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 58734

Ion Ratio Lower Upper

63 100

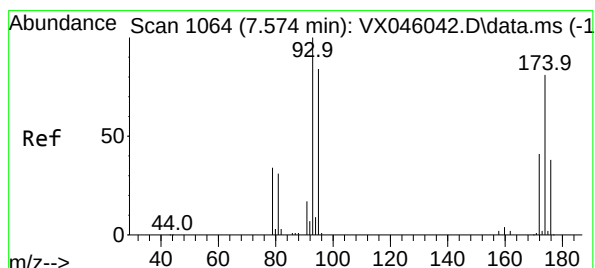
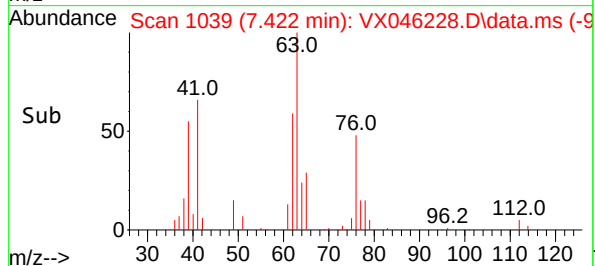
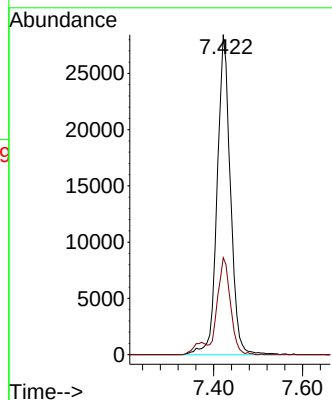
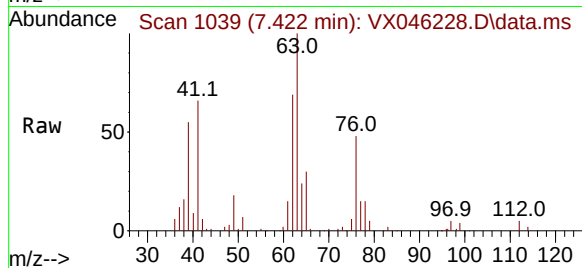
65 30.3 24.1 36.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#46

Dibromomethane

Concen: 50.649 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. 0.000 min

Lab File: VX046228.D

Acq: 16 May 2025 09:22

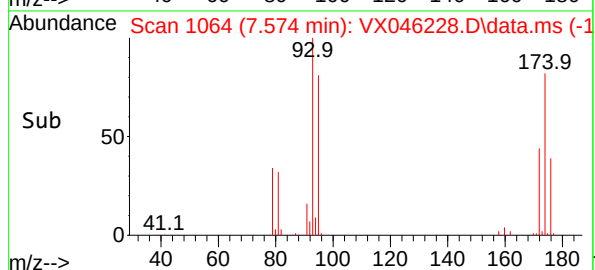
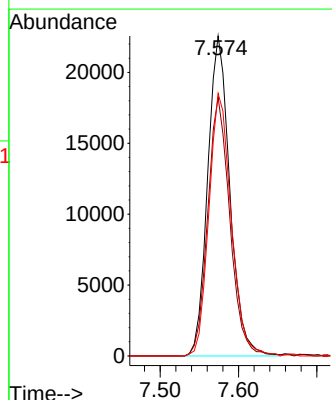
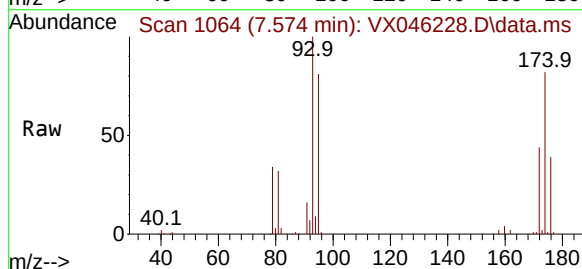
Tgt Ion: 93 Resp: 44285

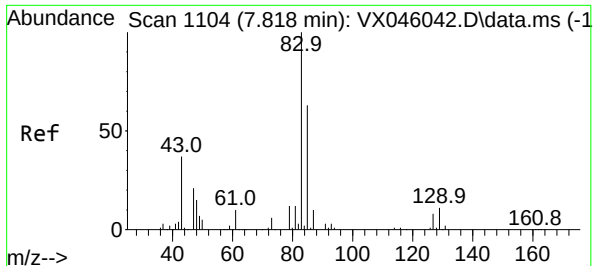
Ion Ratio Lower Upper

93 100

95 81.0 65.6 98.4

174 82.9 68.2 102.2





#47

Bromodichloromethane

Concen: 52.885 ug/l

RT: 7.812 min Scan# 1104

Delta R.T. -0.006 min

Lab File: VX046228.D

Acq: 16 May 2025 09:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

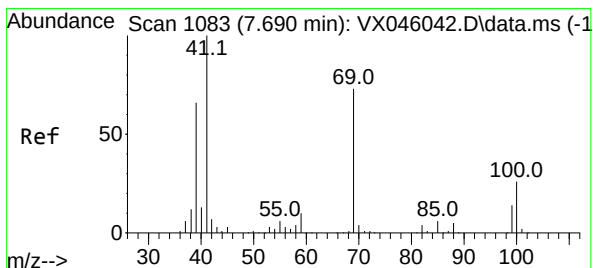
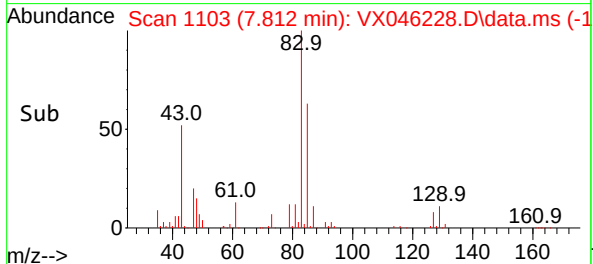
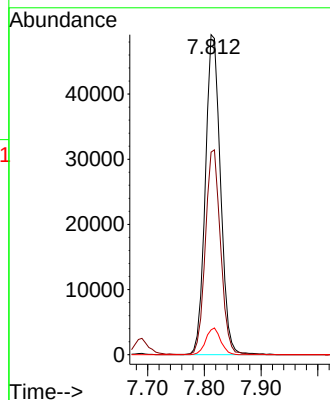
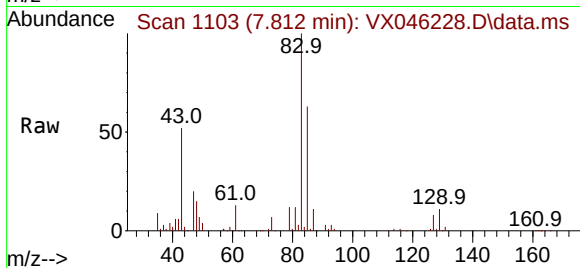
Tgt Ion:	83	Resp:	91074
Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.5	75.7
127	7.8	6.5	9.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#48

Methyl methacrylate

Concen: 52.751 ug/l

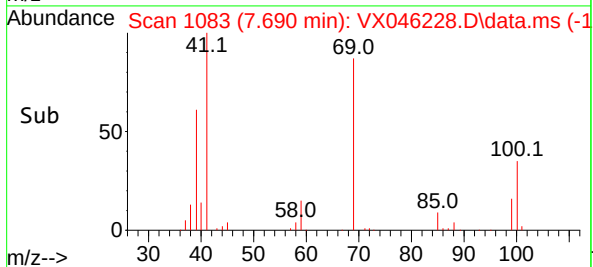
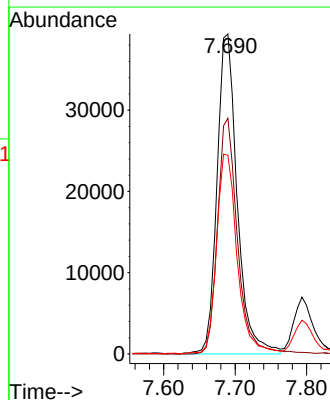
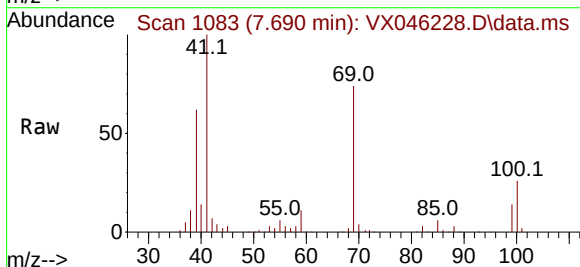
RT: 7.690 min Scan# 1083

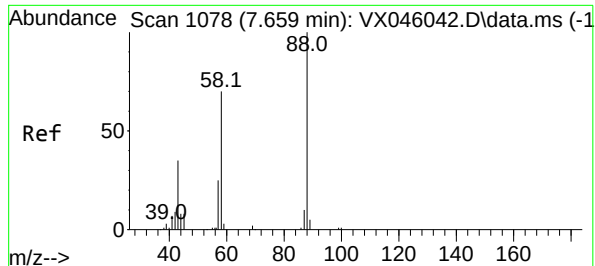
Delta R.T. 0.000 min

Lab File: VX046228.D

Acq: 16 May 2025 09:22

Tgt Ion:	41	Resp:	77288
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: 989.815 ug/l

RT: 7.659 min Scan# 1078

Delta R.T. 0.000 min

Lab File: VX046228.D

Acq: 16 May 2025 09:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 88 Resp: 27530

Ion Ratio Lower Upper

88 100

43 43.5 33.4 50.2

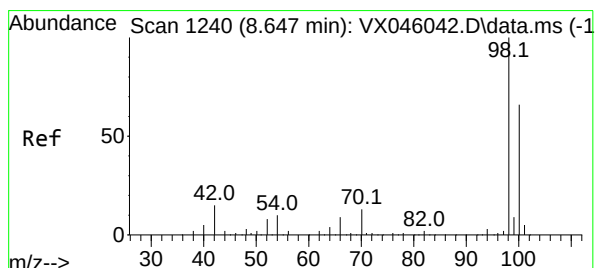
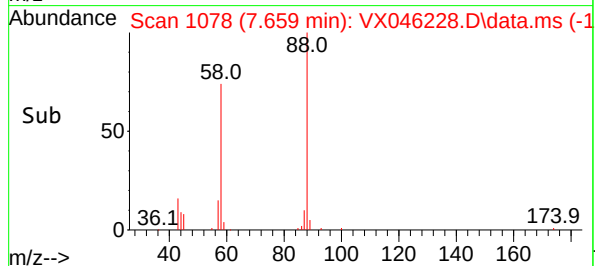
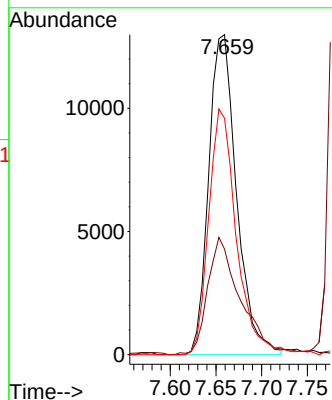
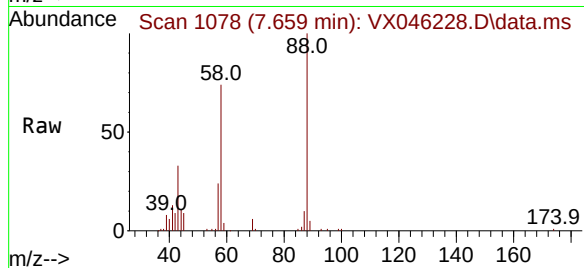
58 76.4 58.6 88.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#50

Toluene-d8

Concen: 51.202 ug/l

RT: 8.641 min Scan# 1239

Delta R.T. -0.006 min

Lab File: VX046228.D

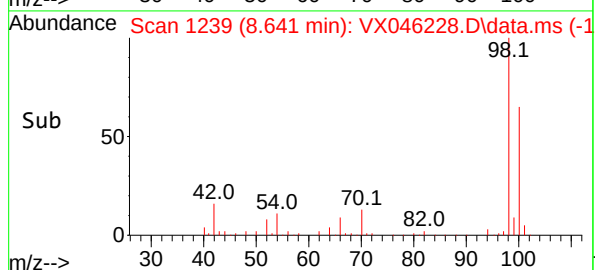
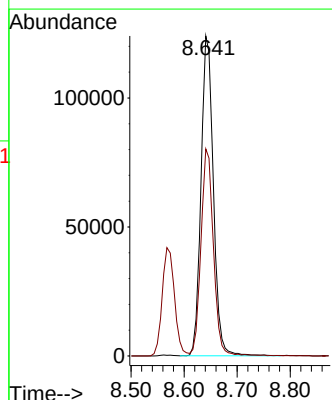
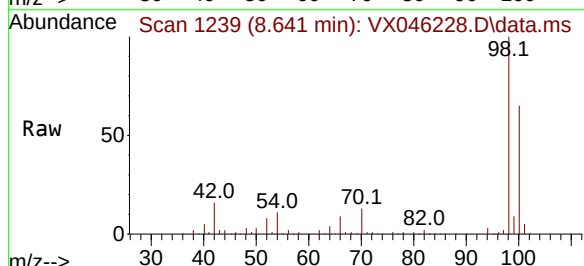
Acq: 16 May 2025 09:22

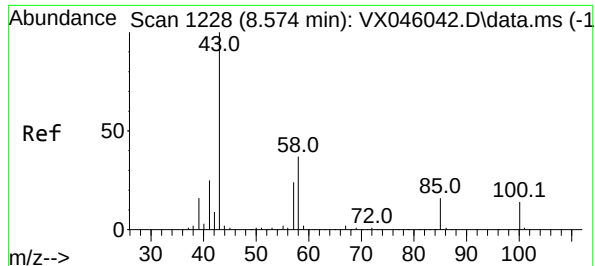
Tgt Ion: 98 Resp: 200757

Ion Ratio Lower Upper

98 100

100 65.1 53.5 80.3





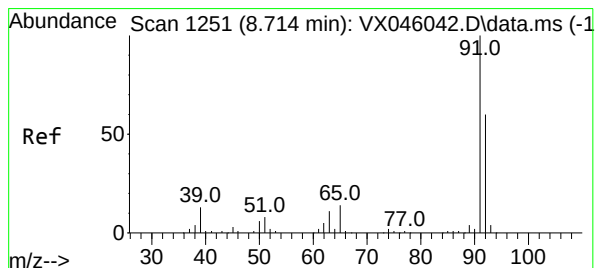
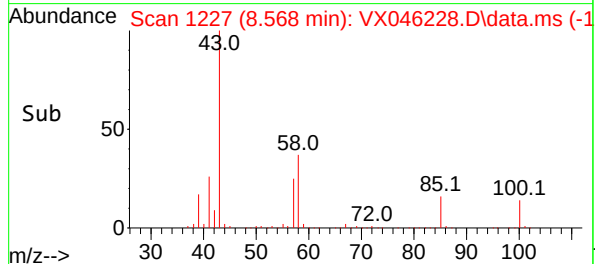
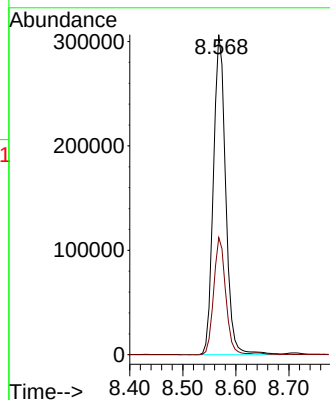
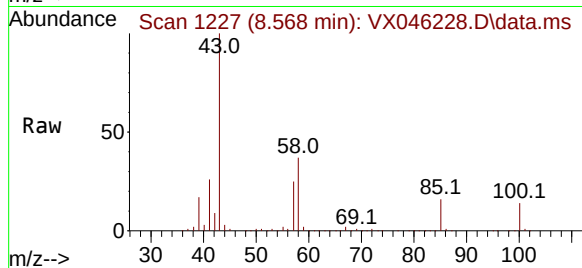
#51
4-Methyl-2-Pentanone
Concen: 259.795 ug/l
RT: 8.568 min Scan# 1227
Delta R.T. -0.006 min
Lab File: VX046228.D
Acq: 16 May 2025 09:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 494732
Ion Ratio Lower Upper
43 100
58 35.6 28.9 43.3

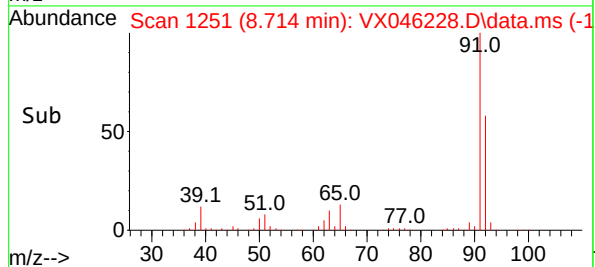
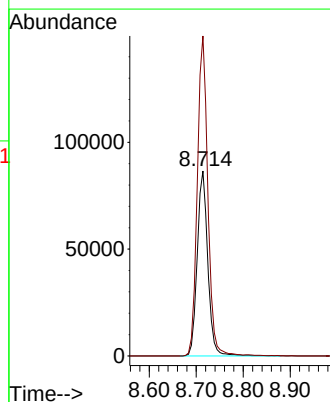
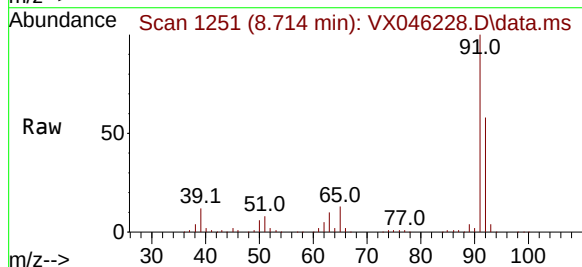
Manual Integrations
APPROVED

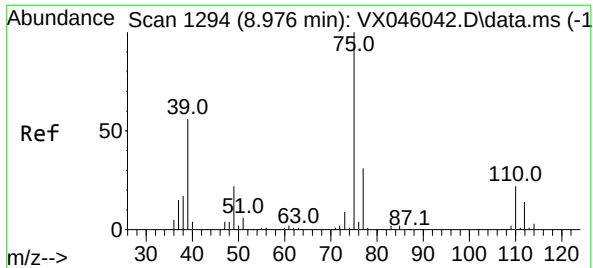
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#52
Toluene
Concen: 49.729 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX046228.D
Acq: 16 May 2025 09:22

Tgt Ion: 92 Resp: 135948
Ion Ratio Lower Upper
92 100
91 172.0 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 53.141 ug/l

RT: 8.976 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX046228.D

Acq: 16 May 2025 09:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 75 Resp: 8134

Ion Ratio Lower Upper

75 100

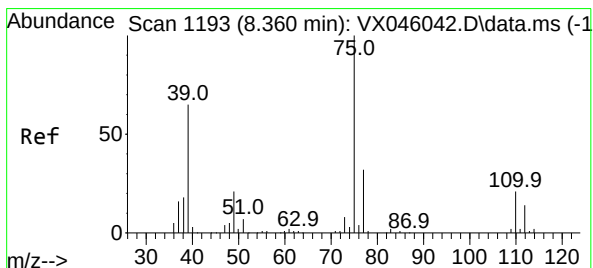
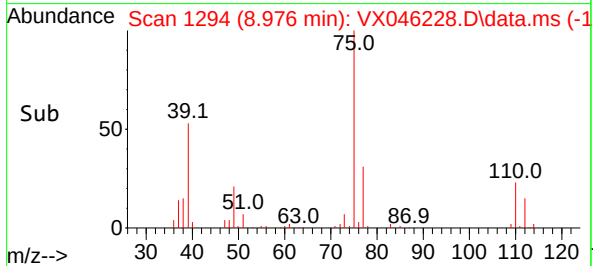
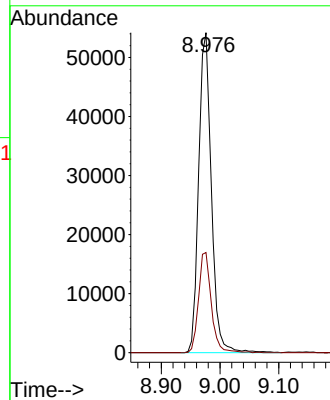
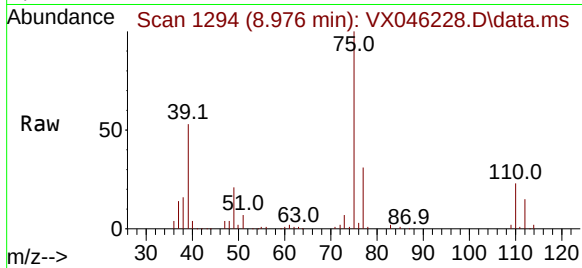
77 31.3 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#54

cis-1,3-Dichloropropene

Concen: 53.067 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX046228.D

Acq: 16 May 2025 09:22

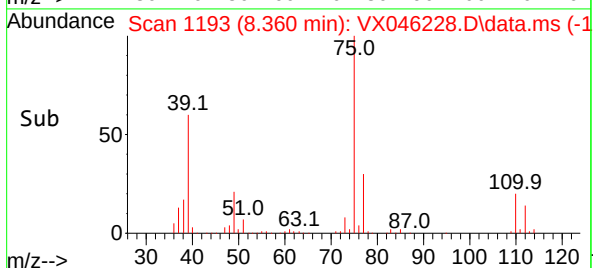
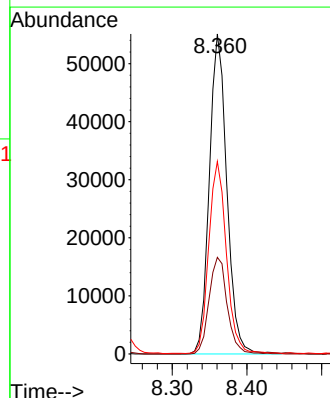
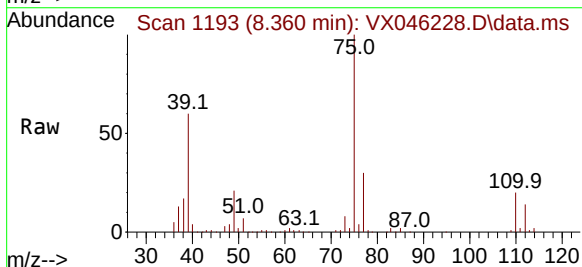
Tgt Ion: 75 Resp: 89779

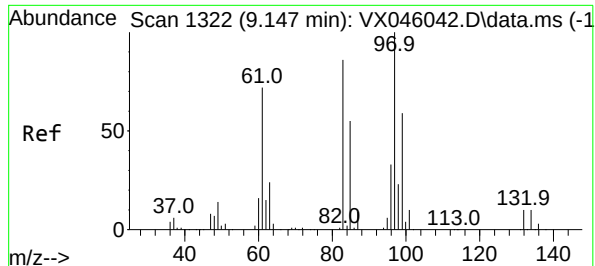
Ion Ratio Lower Upper

75 100

77 30.2 25.4 38.0

39 60.0 52.2 78.4





#55

1,1,2-Trichloroethane

Concen: 51.574 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. 0.000 min

Lab File: VX046228.D

Acq: 16 May 2025 09:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 55594

Ion Ratio Lower Upper

97 100

83 86.2 69.0 103.6

85 55.2 44.3 66.5

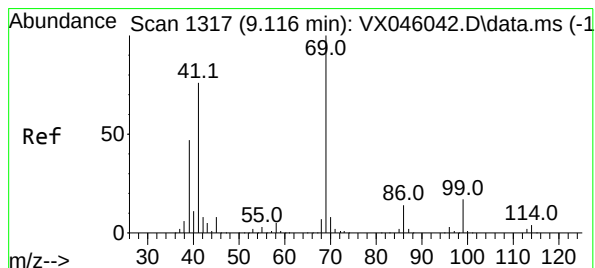
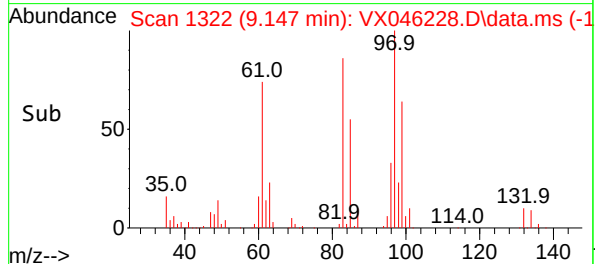
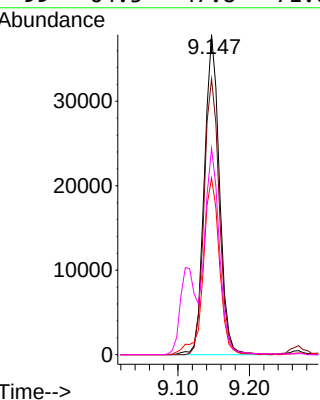
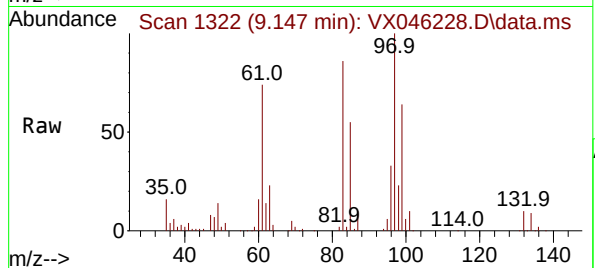
99 64.3 47.8 71.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#56

Ethyl methacrylate

Concen: 52.135 ug/l

RT: 9.110 min Scan# 1316

Delta R.T. -0.006 min

Lab File: VX046228.D

Acq: 16 May 2025 09:22

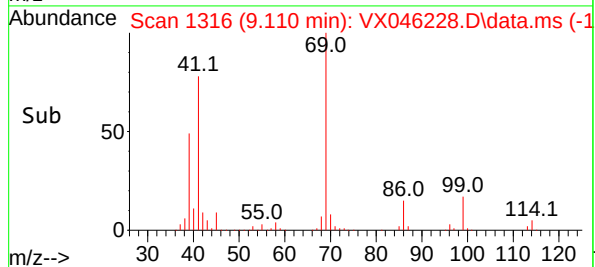
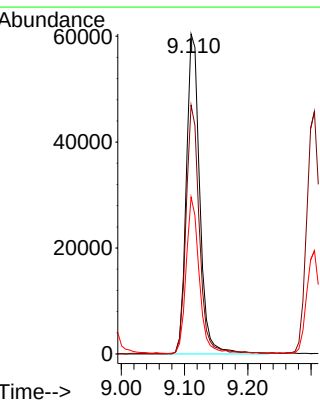
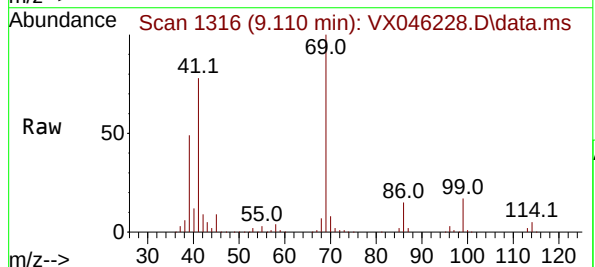
Tgt Ion: 69 Resp: 89568

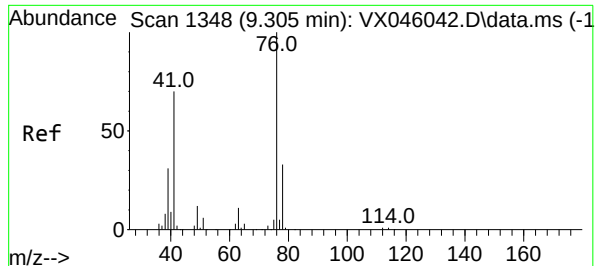
Ion Ratio Lower Upper

69 100

41 77.0 60.8 91.2

39 47.7 39.0 58.6





#57

1,3-Dichloropropane

Concen: 50.096 ug/l

RT: 9.305 min Scan# 11348

Delta R.T. 0.000 min

Lab File: VX046228.D

Acq: 16 May 2025 09:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 9698

Ion Ratio Lower Upper

76 100

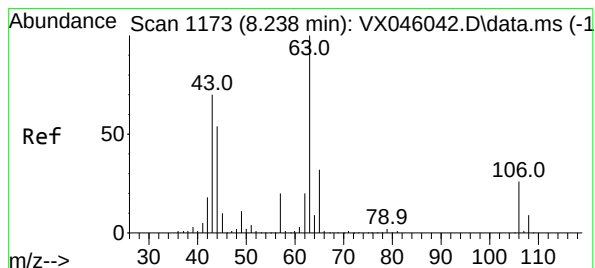
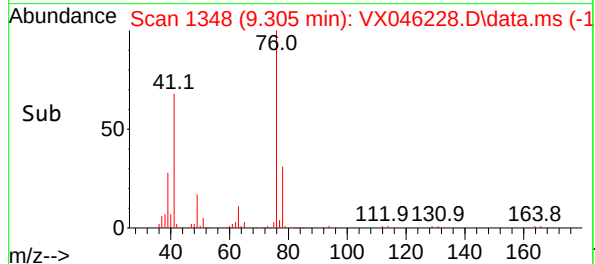
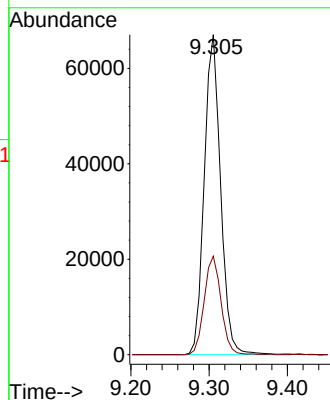
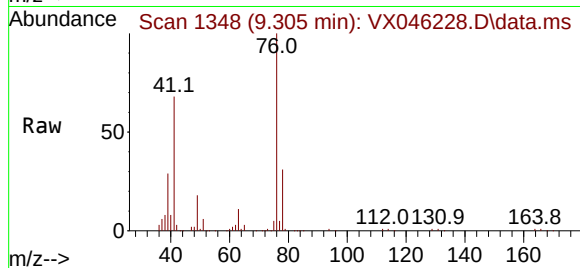
78 31.8 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#58

2-Chloroethyl Vinyl ether

Concen: 257.856 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX046228.D

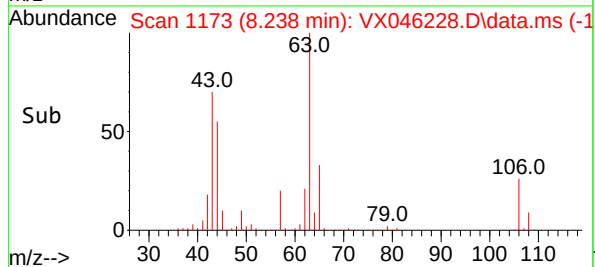
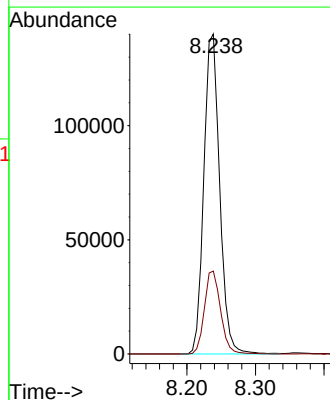
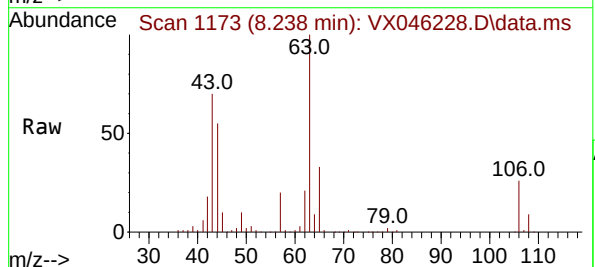
Acq: 16 May 2025 09:22

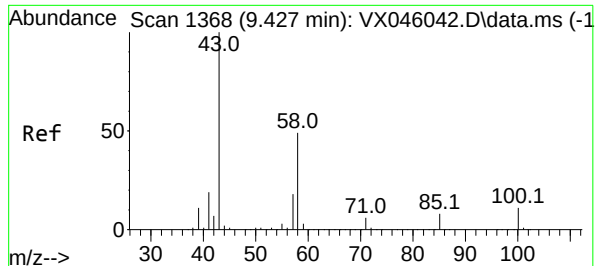
Tgt Ion: 63 Resp: 225847

Ion Ratio Lower Upper

63 100

106 26.4 21.5 32.3





#59

2-Hexanone

Concen: 261.365 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. 0.000 min

Lab File: VX046228.D

Acq: 16 May 2025 09:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 36823

Ion Ratio Lower Upper

43 100

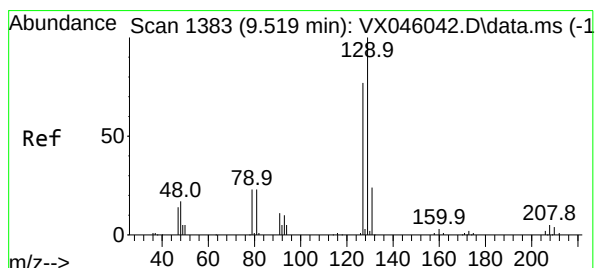
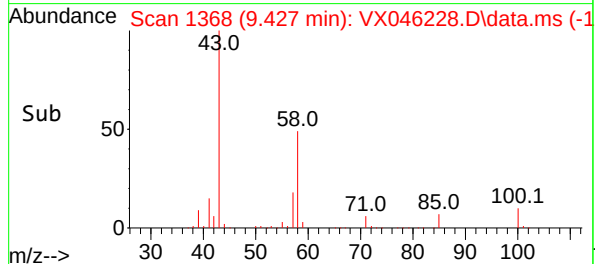
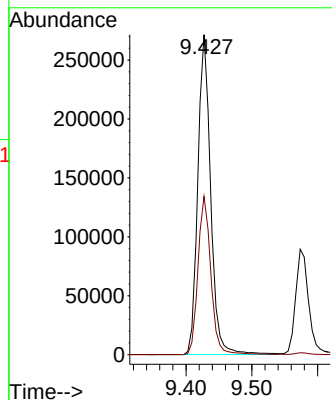
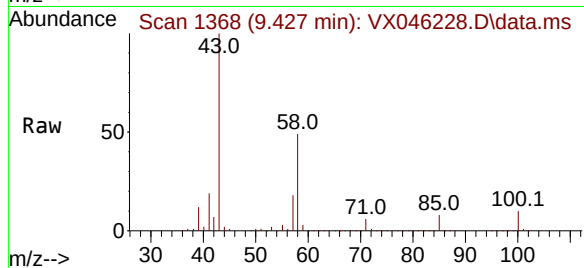
58 49.8 24.9 74.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#60

Dibromochloromethane

Concen: 53.406 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX046228.D

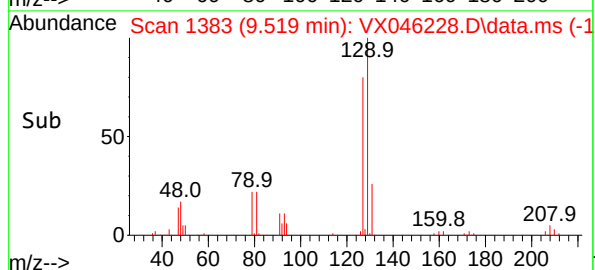
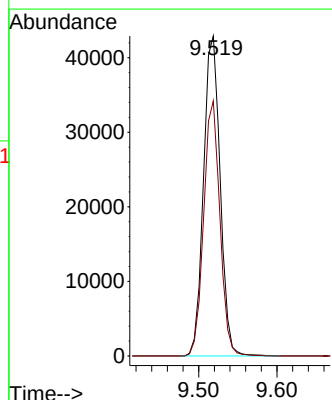
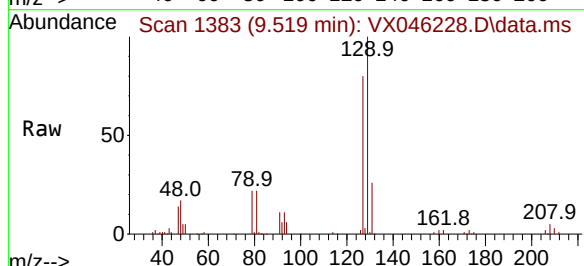
Acq: 16 May 2025 09:22

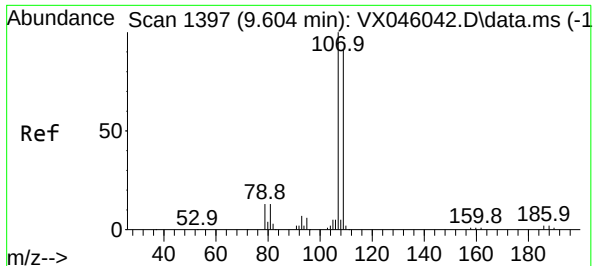
Tgt Ion:129 Resp: 63223

Ion Ratio Lower Upper

129 100

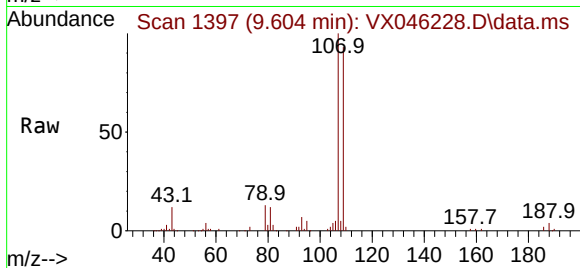
127 77.7 39.3 117.8





#61
1,2-Dibromoethane
Concen: 51.072 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VX046228.D
Acq: 16 May 2025 09:22

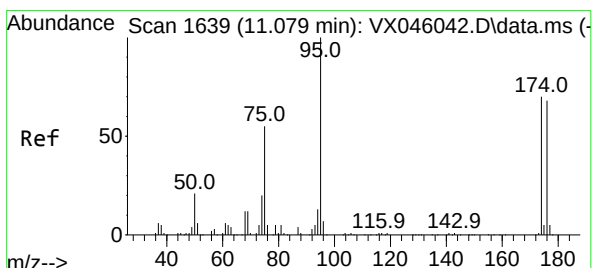
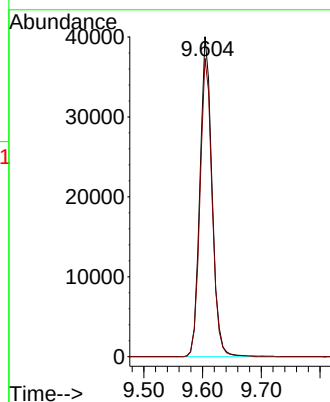
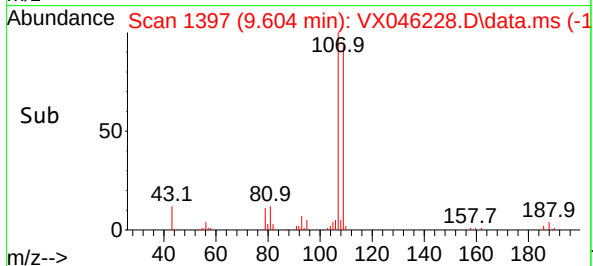
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion:107 Resp: 57219
Ion Ratio Lower Upper
107 100
109 93.6 73.3 109.9

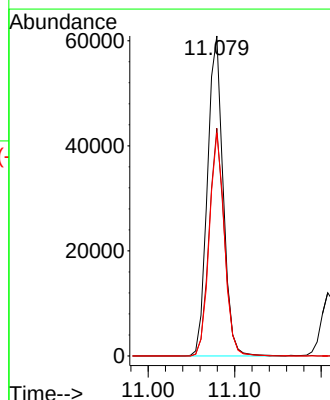
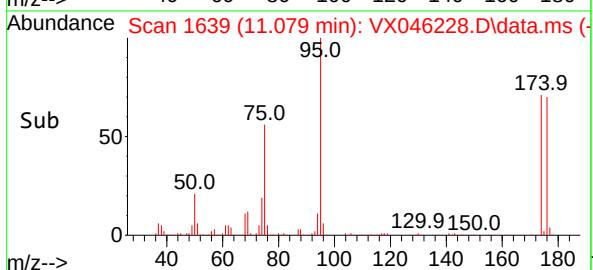
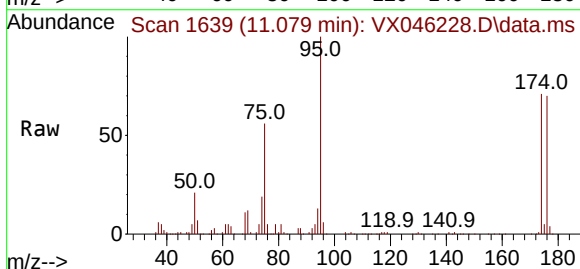
Manual Integrations
APPROVED

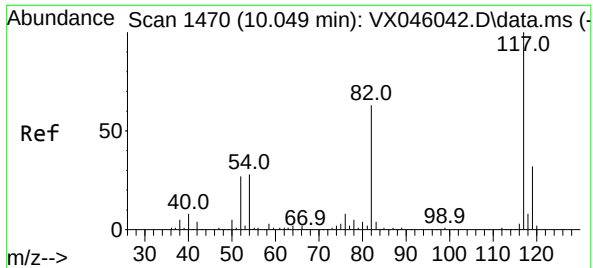
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#62
4-Bromofluorobenzene
Concen: 50.840 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046228.D
Acq: 16 May 2025 09:22

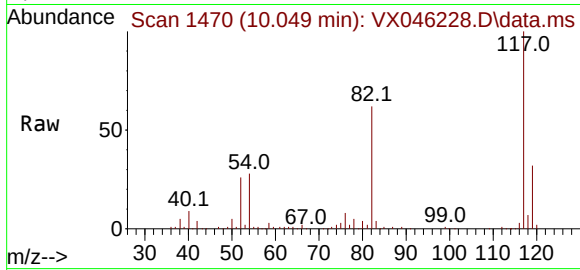
Tgt Ion: 95 Resp: 76464
Ion Ratio Lower Upper
95 100
174 68.5 0.0 135.8
176 67.2 0.0 131.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046228.D
Acq: 16 May 2025 09:22

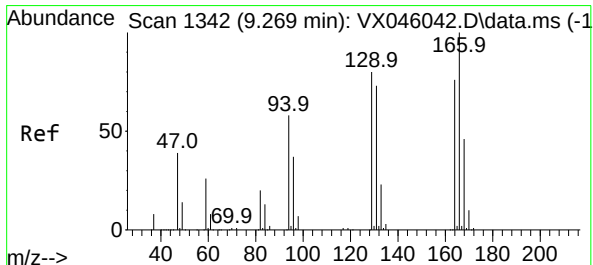
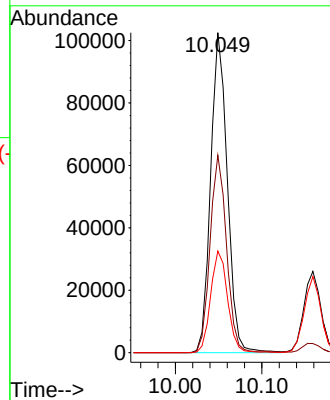
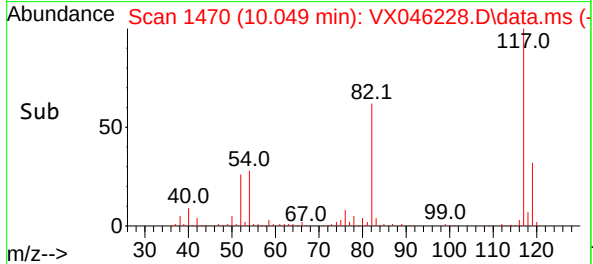
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion:117 Resp: 136812
Ion Ratio Lower Upper
117 100
82 61.7 50.6 76.0
119 31.8 25.8 38.6

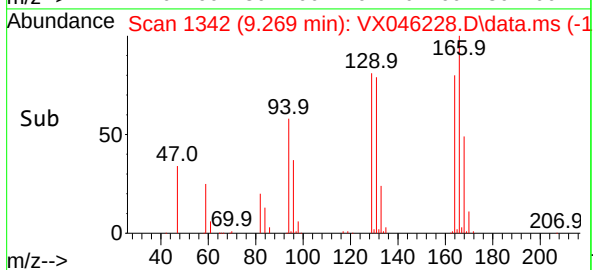
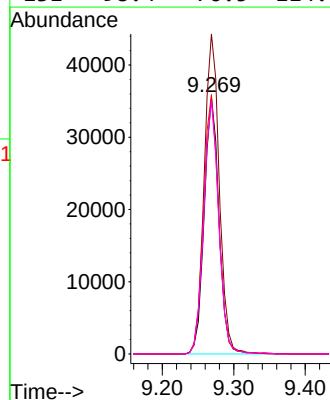
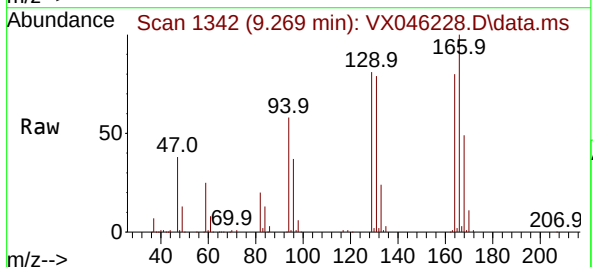
Manual Integrations
APPROVED

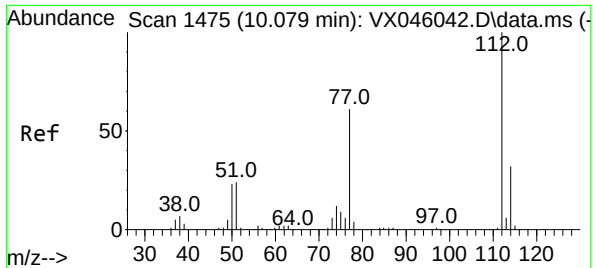
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#64
Tetrachloroethene
Concen: 52.644 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX046228.D
Acq: 16 May 2025 09:22

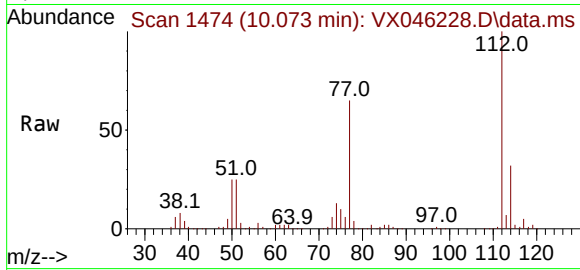
Tgt Ion:164 Resp: 50960
Ion Ratio Lower Upper
164 100
166 124.6 105.0 157.6
129 101.0 83.5 125.3
131 98.4 76.5 114.7





#65
Chlorobenzene
Concen: 49.413 ug/l
RT: 10.073 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VX046228.D
Acq: 16 May 2025 09:22

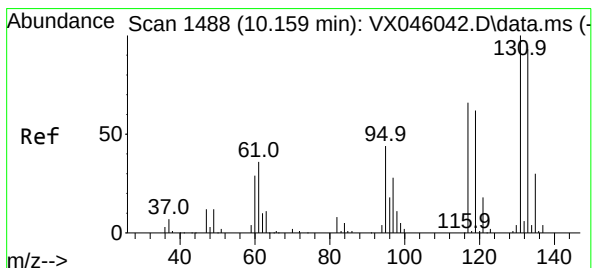
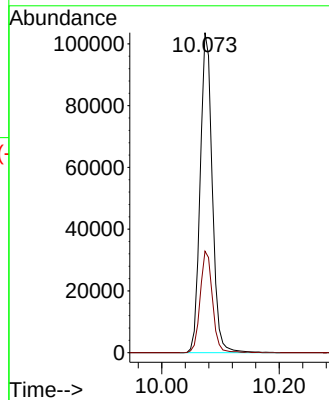
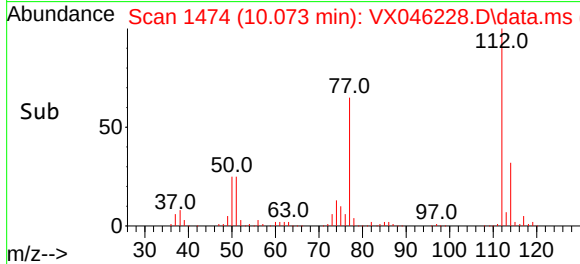
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion:112 Resp: 14796
Ion Ratio Lower Upper
112 100
114 31.7 25.4 38.2

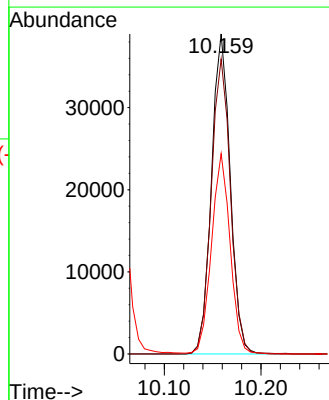
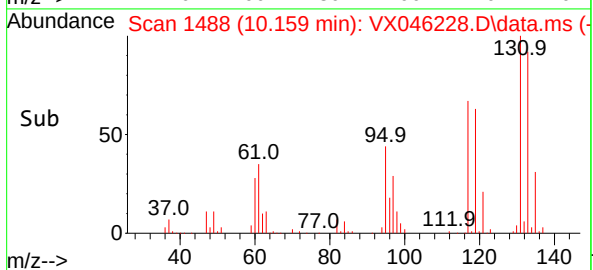
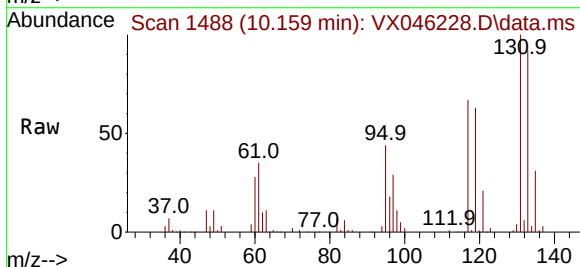
Manual Integrations
APPROVED

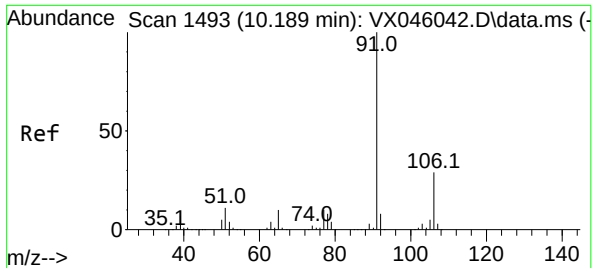
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 51.247 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX046228.D
Acq: 16 May 2025 09:22

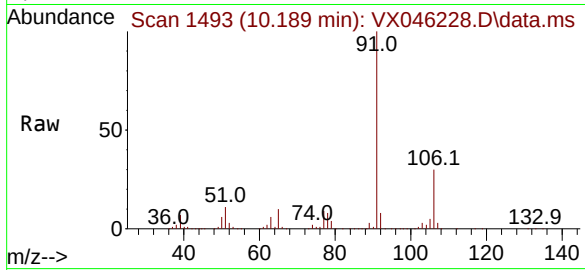
Tgt Ion:131 Resp: 52401
Ion Ratio Lower Upper
131 100
133 94.8 47.3 141.9
119 62.3 31.6 95.0





#67
Ethyl Benzene
Concen: 50.860 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VX046228.D
Acq: 16 May 2025 09:22

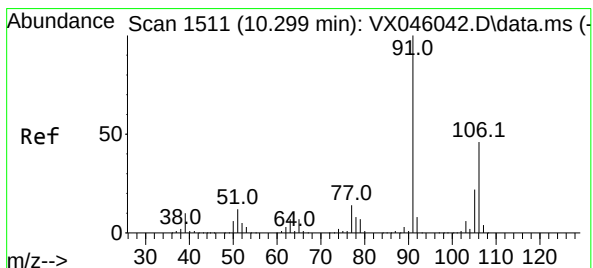
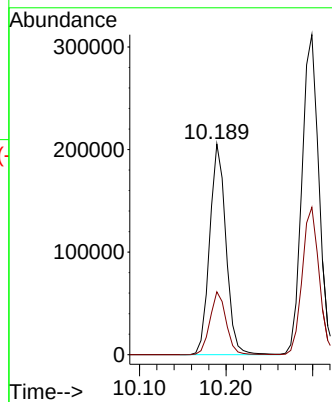
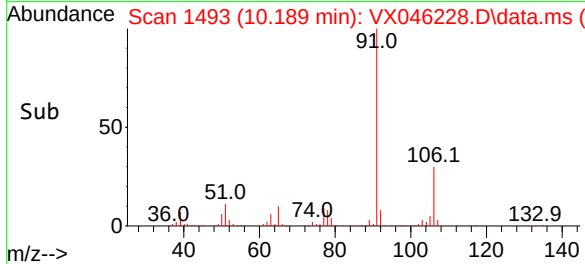
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion: 91 Resp: 268462
Ion Ratio Lower Upper
91 100
106 29.8 23.4 35.2

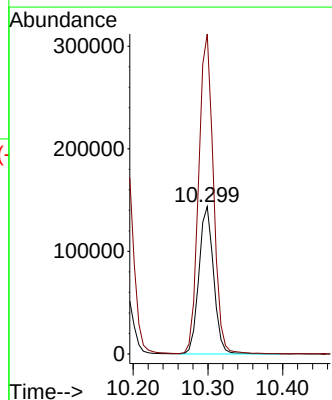
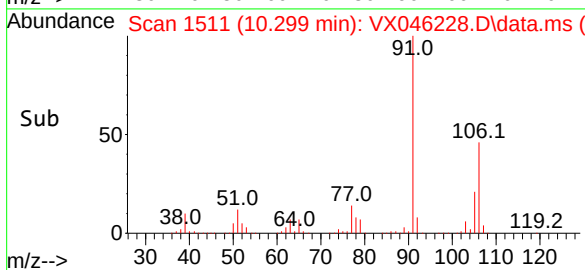
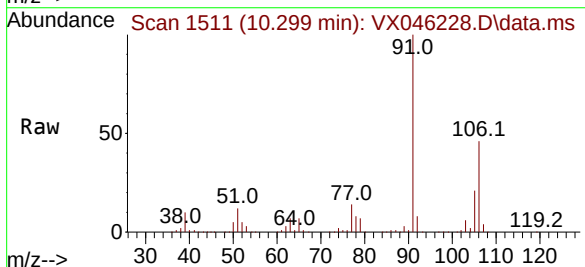
Manual Integrations
APPROVED

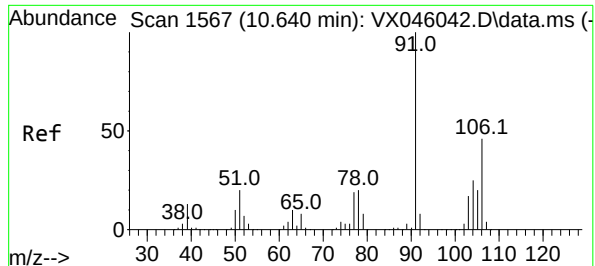
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#68
m/p-Xylenes
Concen: 101.535 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX046228.D
Acq: 16 May 2025 09:22

Tgt Ion:106 Resp: 196020
Ion Ratio Lower Upper
106 100
91 217.8 171.2 256.8





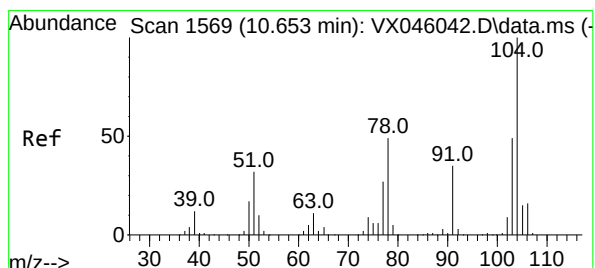
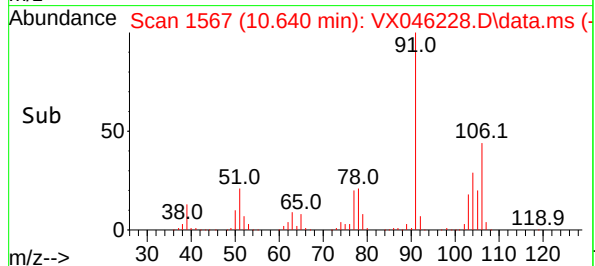
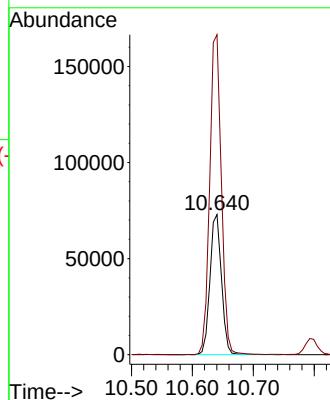
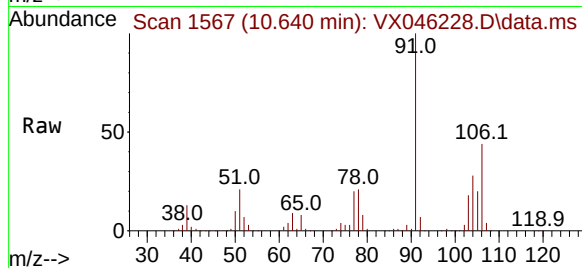
#69
o-Xylene
Concen: 50.773 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX046228.D
Acq: 16 May 2025 09:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 9556
Ion Ratio Lower Upper
106 100
91 232.3 112.7 338.1

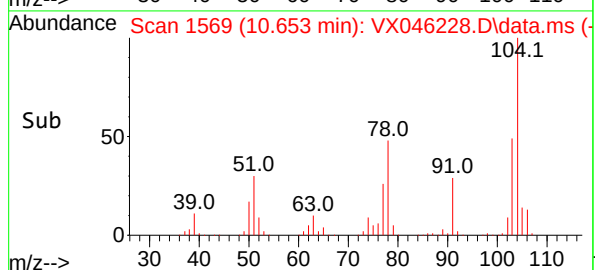
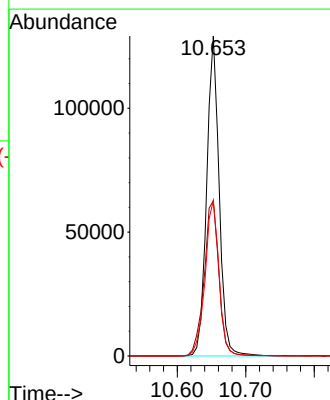
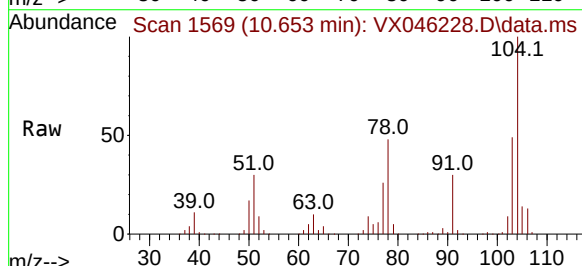
Manual Integrations
APPROVED

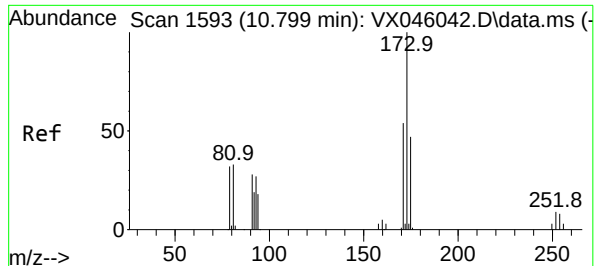
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#70
Styrene
Concen: 53.153 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX046228.D
Acq: 16 May 2025 09:22

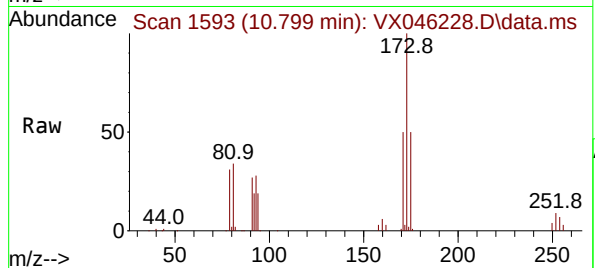
Tgt Ion:104 Resp: 163876
Ion Ratio Lower Upper
104 100
78 57.2 45.7 68.5
103 54.7 43.7 65.5





#71
Bromoform
Concen: 52.835 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX046228.D
Acq: 16 May 2025 09:22

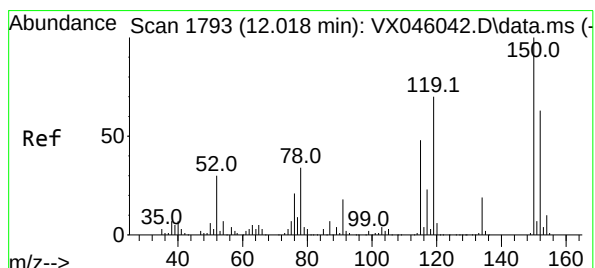
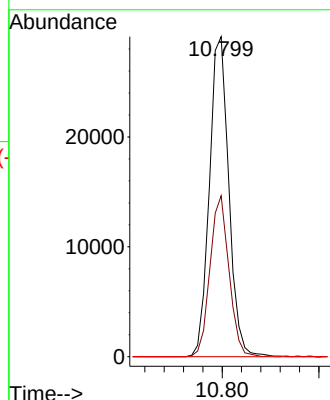
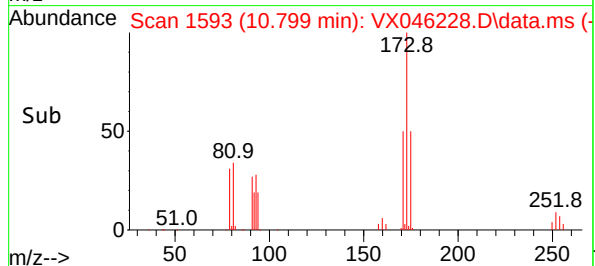
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion:173 Resp: 4056
Ion Ratio Lower Upper
173 100
175 49.3 23.4 70.0
254 0.0 0.0 0.0

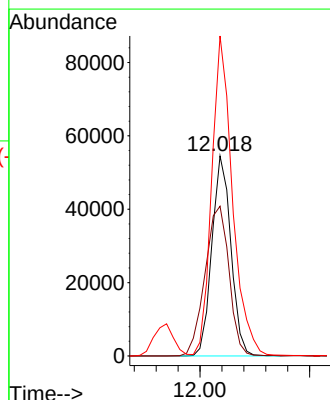
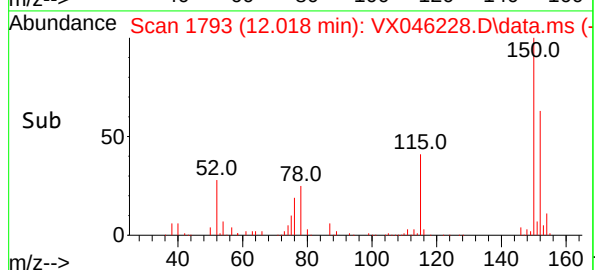
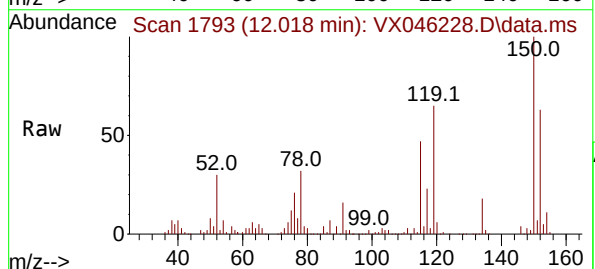
Manual Integrations
APPROVED

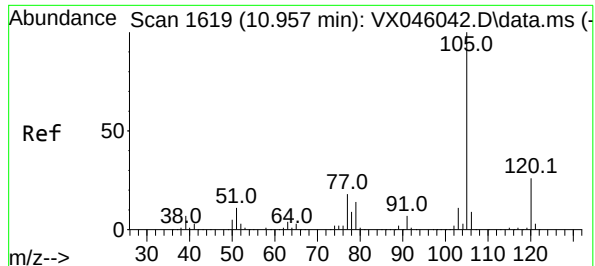
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046228.D
Acq: 16 May 2025 09:22

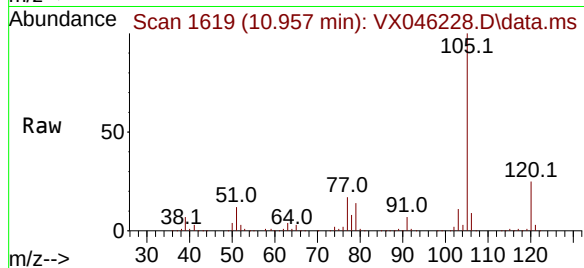
Tgt Ion:152 Resp: 65634
Ion Ratio Lower Upper
152 100
115 94.5 46.9 140.7
150 174.8 0.0 351.0





#73
Isopropylbenzene
Concen: 51.040 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX046228.D
Acq: 16 May 2025 09:22

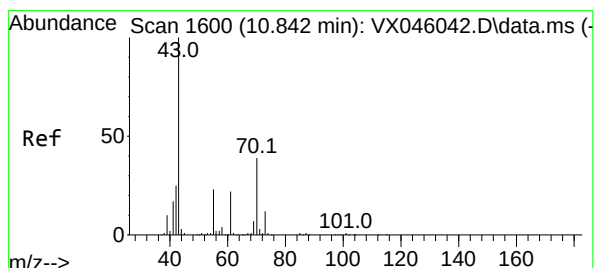
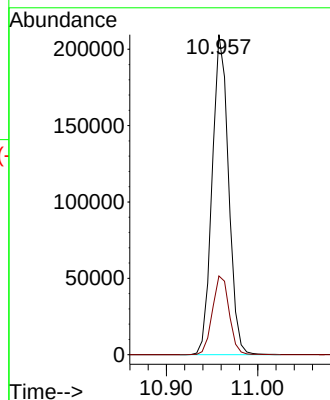
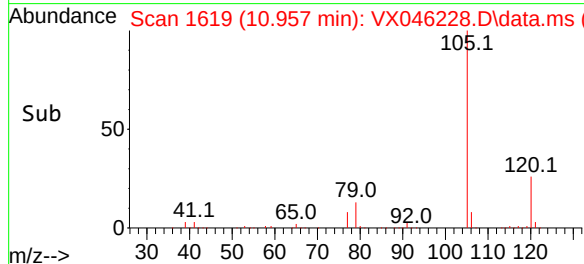
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion:105 Resp: 260802
Ion Ratio Lower Upper
105 100
120 25.1 12.8 38.4

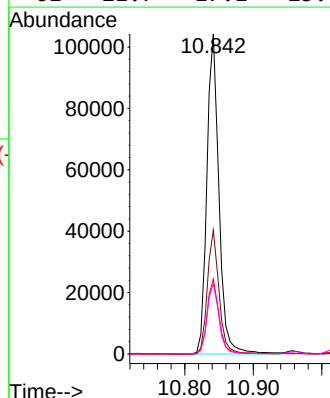
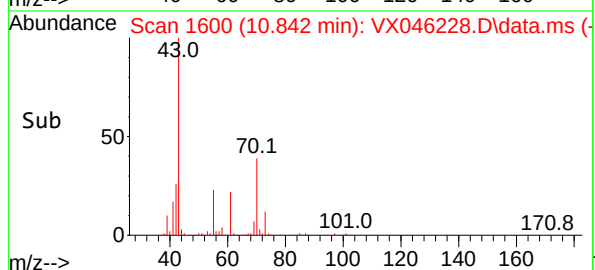
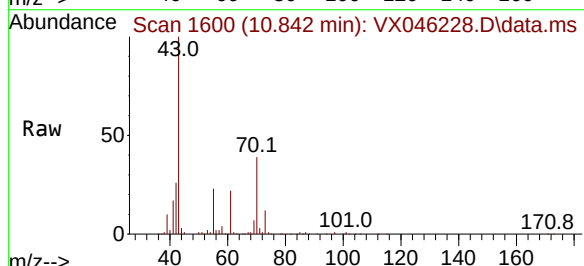
Manual Integrations
APPROVED

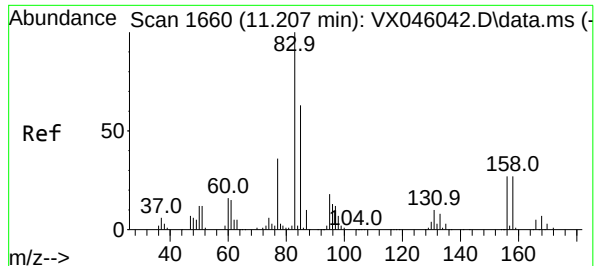
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#74
N-ethyl acetate
Concen: 50.690 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX046228.D
Acq: 16 May 2025 09:22

Tgt Ion: 43 Resp: 127992
Ion Ratio Lower Upper
43 100
70 37.6 30.9 46.3
55 23.5 18.7 28.1
61 21.7 17.1 25.7





#75

1,1,2,2-Tetrachloroethane

Concen: 47.516 ug/l

RT: 11.207 min Scan# 1660

Delta R.T. 0.000 min

Lab File: VX046228.D

Acq: 16 May 2025 09:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

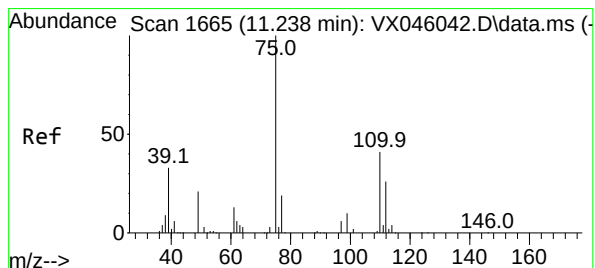
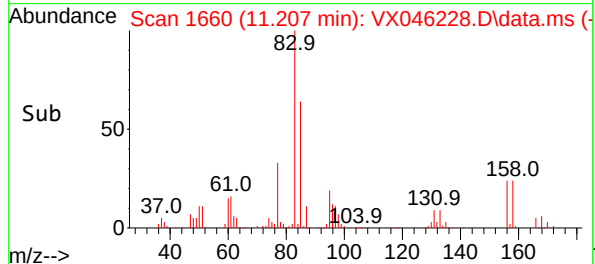
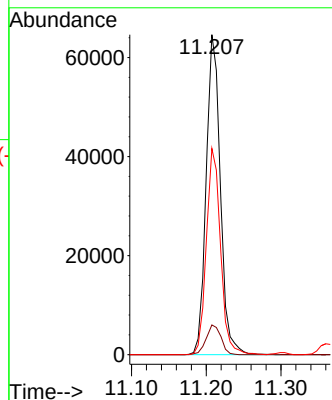
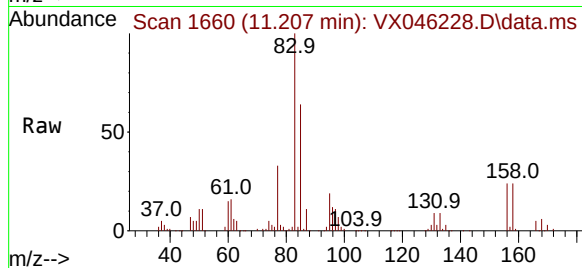
Tgt Ion:	83	Resp:	8508
Ion	Ratio	Lower	Upper
83	100		
131	9.7	5.0	14.9
85	64.4	31.9	95.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#76

1,2,3-Trichloropropane

Concen: 49.003 ug/l m

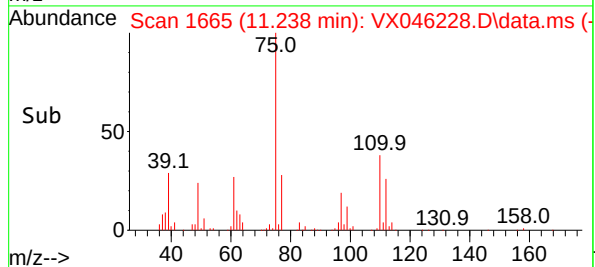
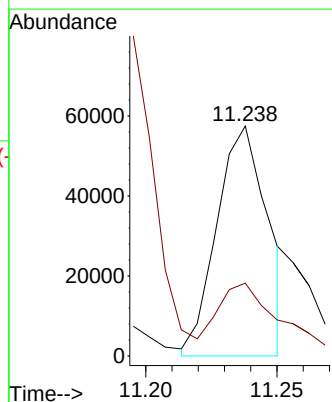
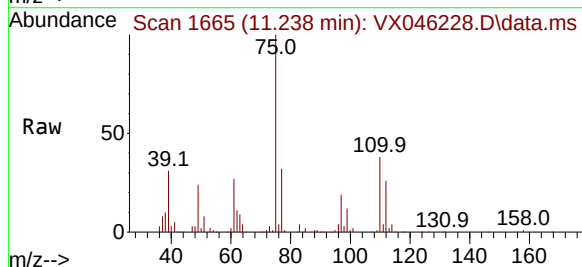
RT: 11.238 min Scan# 1665

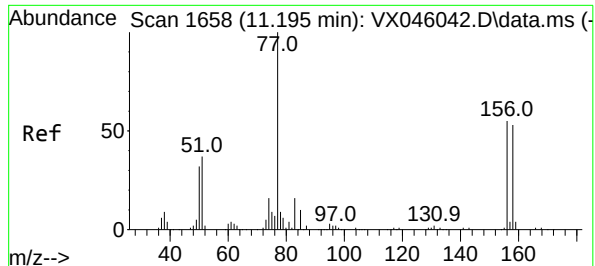
Delta R.T. 0.000 min

Lab File: VX046228.D

Acq: 16 May 2025 09:22

Tgt Ion:	75	Resp:	77417
Ion	Ratio	Lower	Upper
75	100		
77	39.5	20.5	61.5





#77

Bromobenzene

Concen: 49.210 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. 0.000 min

Lab File: VX046228.D

Acq: 16 May 2025 09:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:156 Resp: 58378

Ion Ratio Lower Upper

156 100

77 184.7 92.8 278.3

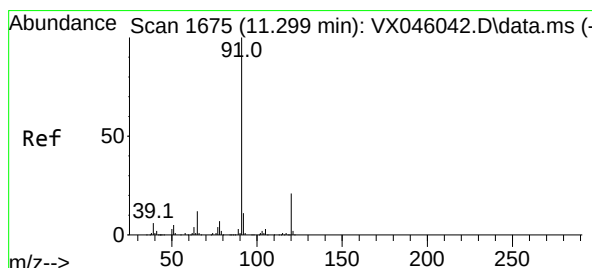
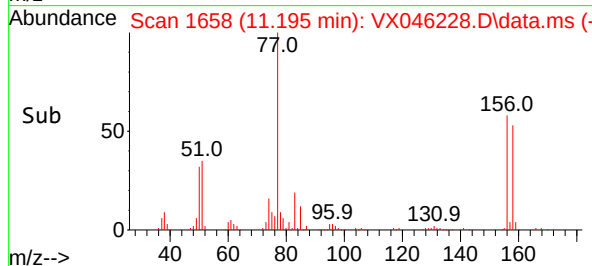
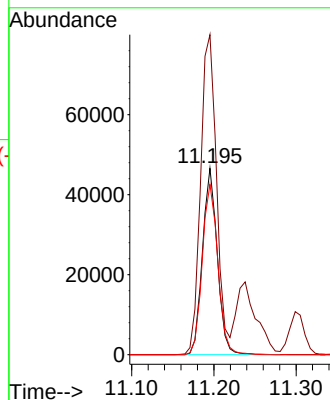
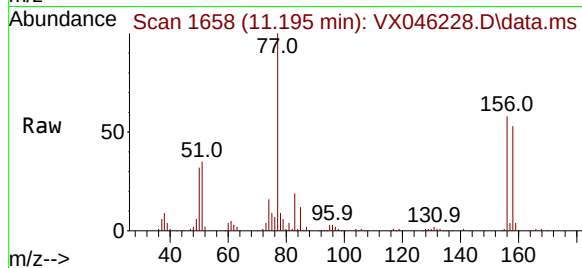
158 96.1 48.8 146.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#78

n-propylbenzene

Concen: 51.259 ug/l

RT: 11.299 min Scan# 1675

Delta R.T. 0.000 min

Lab File: VX046228.D

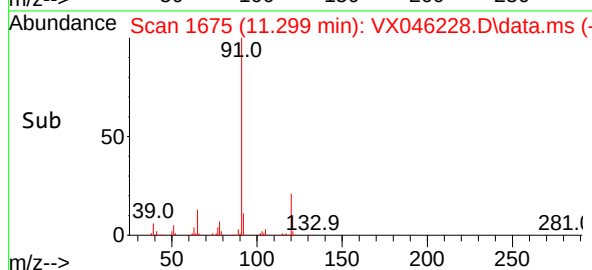
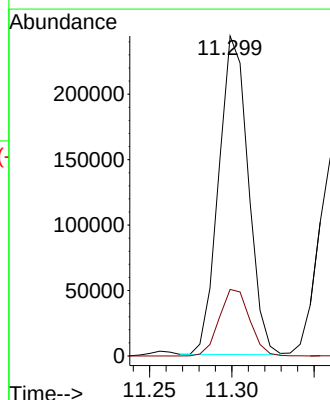
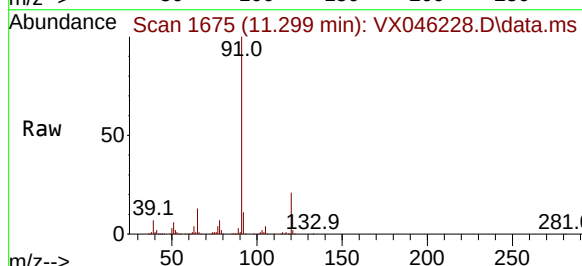
Acq: 16 May 2025 09:22

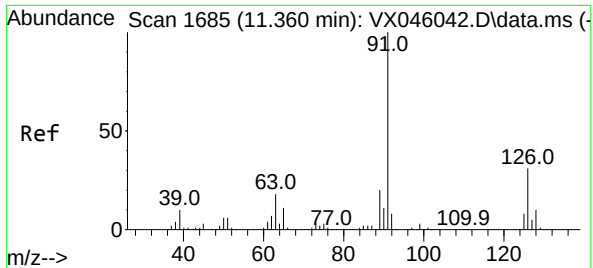
Tgt Ion: 91 Resp: 304551

Ion Ratio Lower Upper

91 100

120 21.6 10.8 32.4





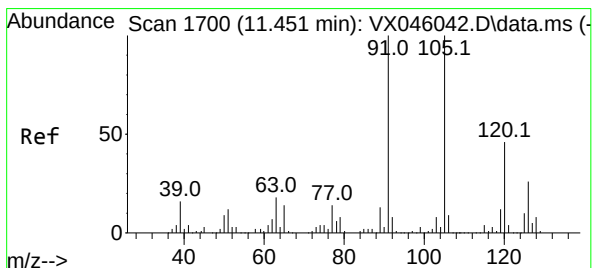
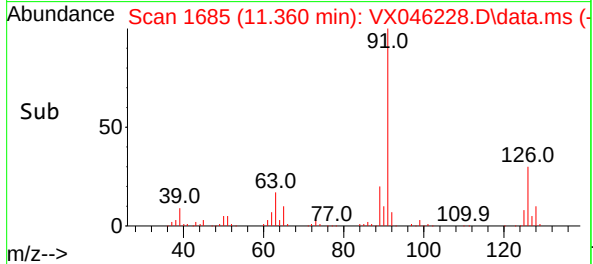
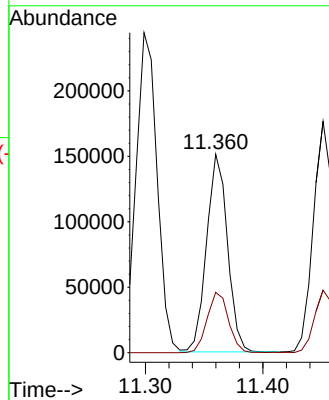
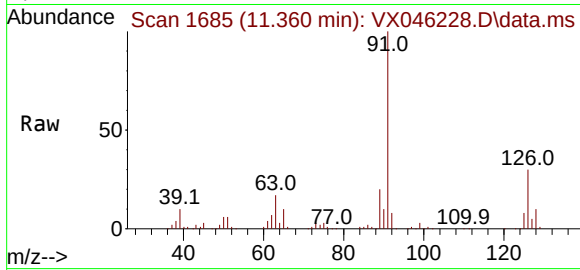
#79
2-Chlorotoluene
Concen: 48.665 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VX046228.D
Acq: 16 May 2025 09:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 186494
Ion Ratio Lower Upper
91 100
126 31.3 15.6 46.7

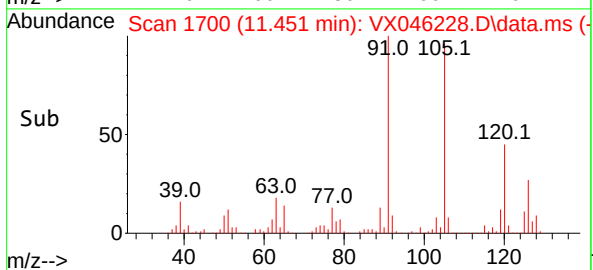
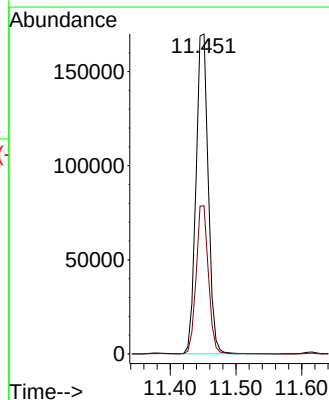
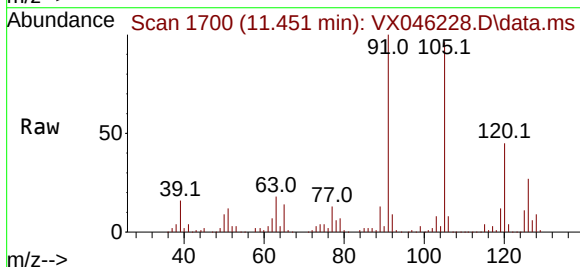
Manual Integrations
APPROVED

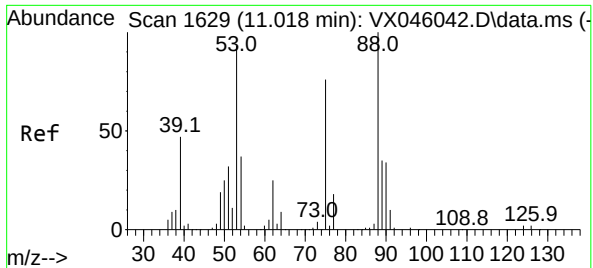
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#80
1,3,5-Trimethylbenzene
Concen: 51.453 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046228.D
Acq: 16 May 2025 09:22

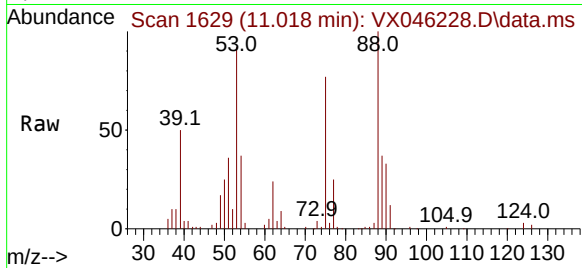
Tgt Ion:105 Resp: 219647
Ion Ratio Lower Upper
105 100
120 46.4 23.1 69.2





#81
trans-1,4-Dichloro-2-butene
Concen: 50.458 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX046228.D
Acq: 16 May 2025 09:22

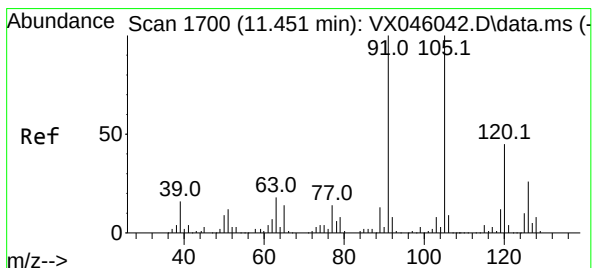
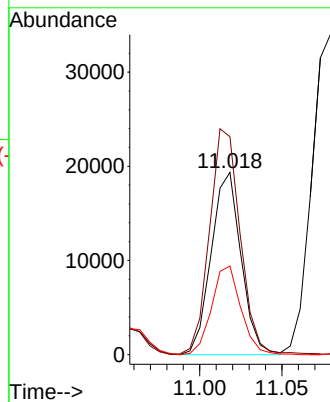
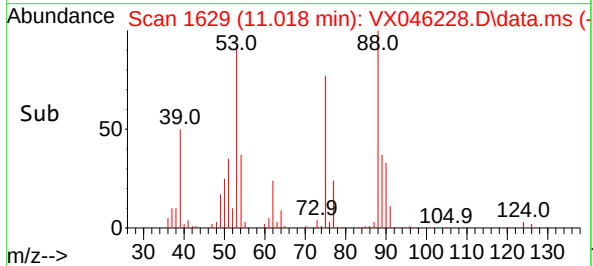
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion: 75 Resp: 2448
Ion Ratio Lower Upper
75 100
53 126.3 100.5 150.7
89 47.6 37.0 55.6

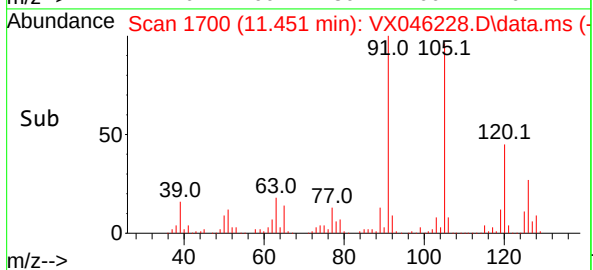
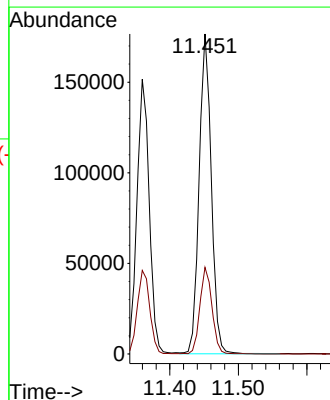
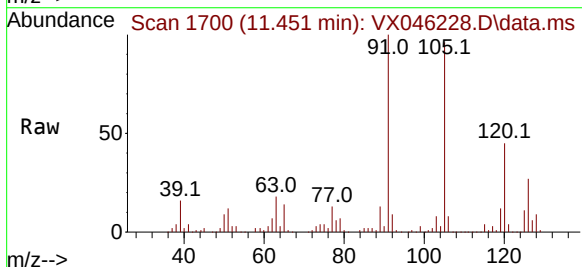
Manual Integrations
APPROVED

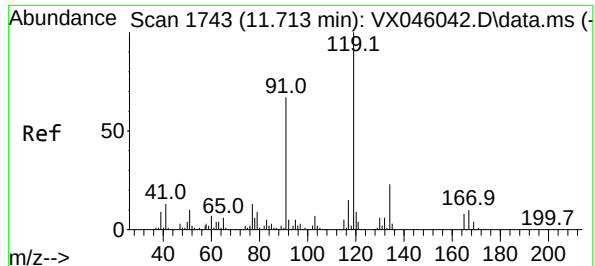
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#82
4-Chlorotoluene
Concen: 51.243 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046228.D
Acq: 16 May 2025 09:22

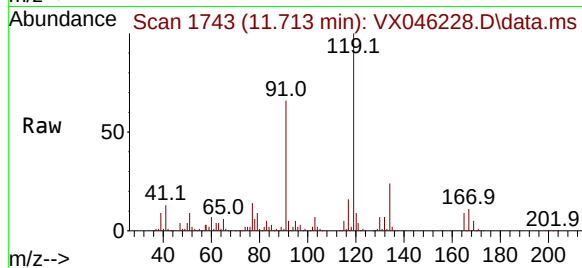
Tgt Ion: 91 Resp: 217774
Ion Ratio Lower Upper
91 100
126 27.0 13.3 39.8





#83
tert-Butylbenzene
Concen: 50.061 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX046228.D
Acq: 16 May 2025 09:22

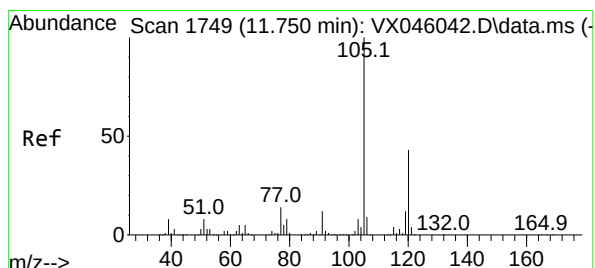
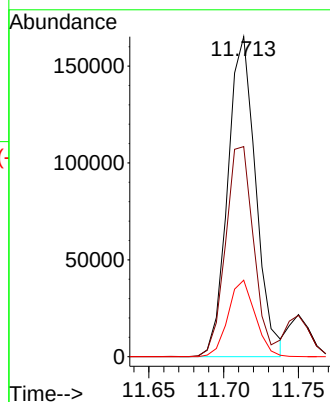
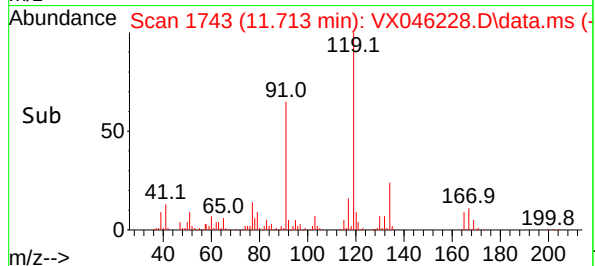
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



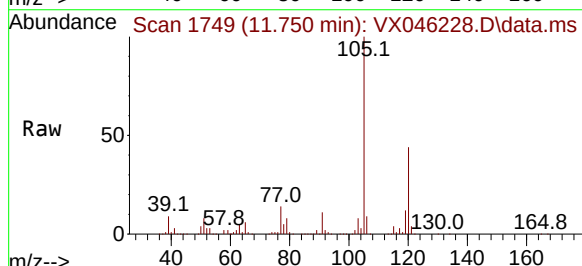
Tgt Ion:119 Resp: 21526
Ion Ratio Lower Upper
119 100
91 65.4 32.9 98.7
134 23.1 11.4 34.1

Manual Integrations
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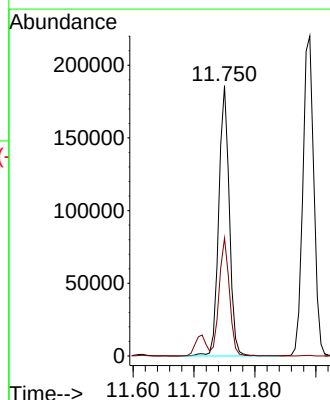
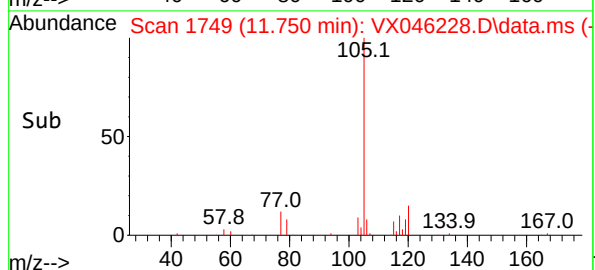
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025

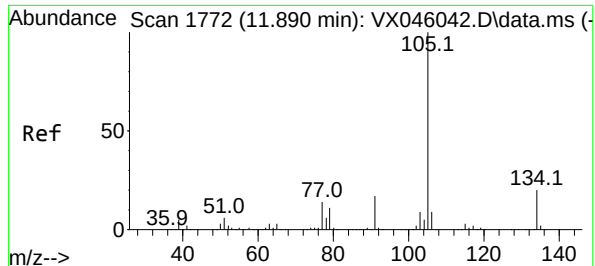


#84
1,2,4-Trimethylbenzene
Concen: 51.470 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX046228.D
Acq: 16 May 2025 09:22



Tgt Ion:105 Resp: 222505
Ion Ratio Lower Upper
105 100
120 42.9 21.2 63.6





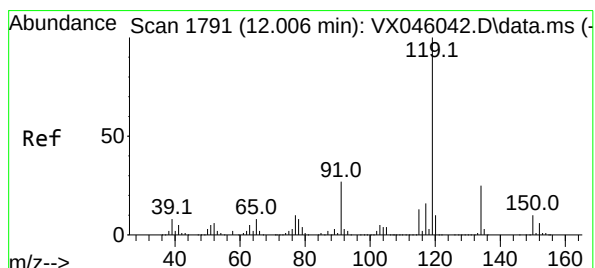
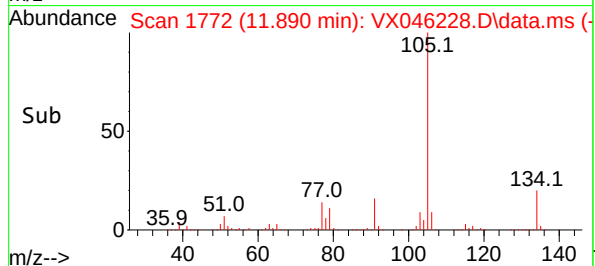
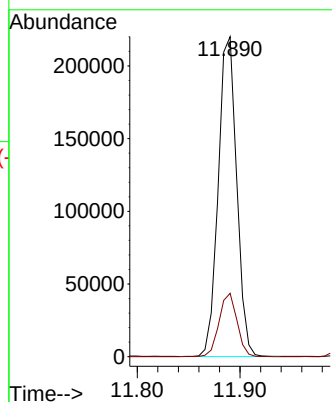
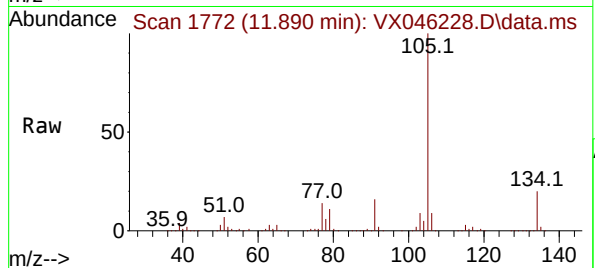
#85
sec-Butylbenzene
Concen: 51.818 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX046228.D
Acq: 16 May 2025 09:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 27358
Ion Ratio Lower Upper
105 100
134 19.4 9.7 29.1

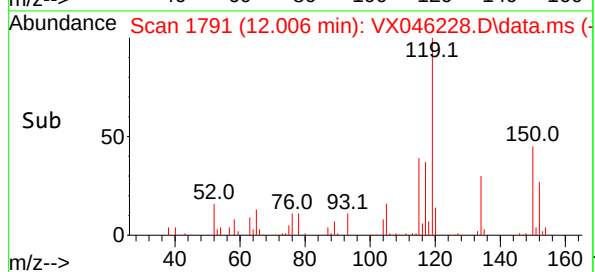
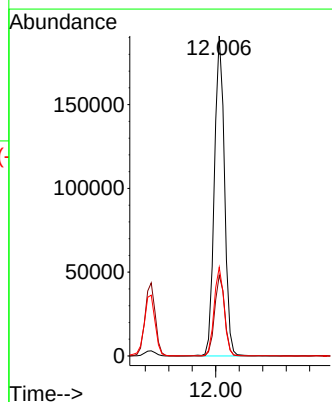
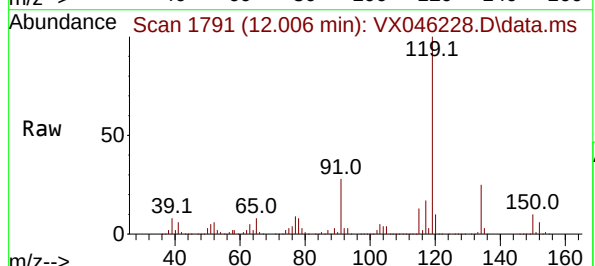
Manual Integrations
APPROVED

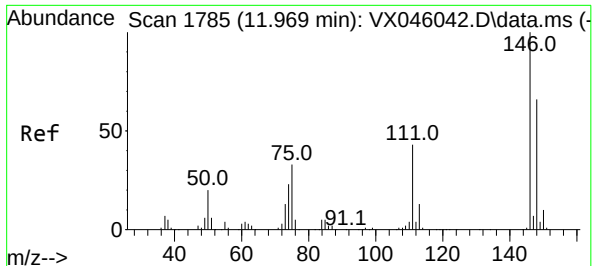
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#86
p-Isopropyltoluene
Concen: 52.332 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX046228.D
Acq: 16 May 2025 09:22

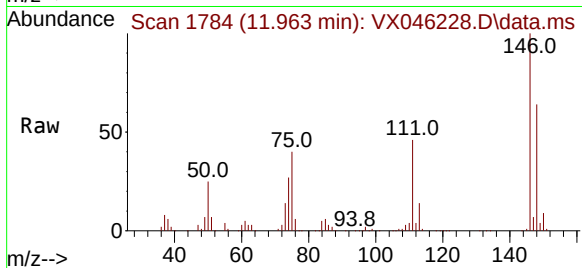
Tgt Ion:119 Resp: 228062
Ion Ratio Lower Upper
119 100
134 25.1 12.5 37.5
91 27.3 13.8 41.4





#87
1,3-Dichlorobenzene
Concen: 50.355 ug/l
RT: 11.963 min Scan# 1784
Delta R.T. -0.006 min
Lab File: VX046228.D
Acq: 16 May 2025 09:22

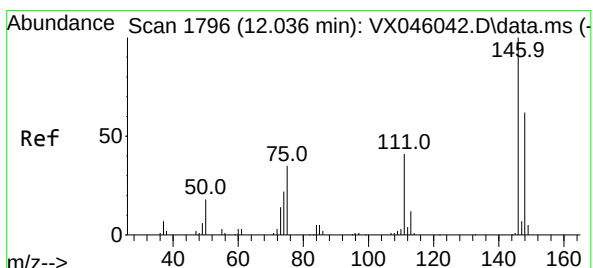
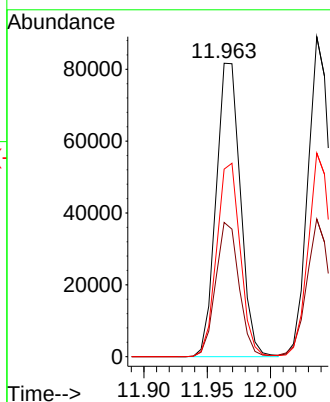
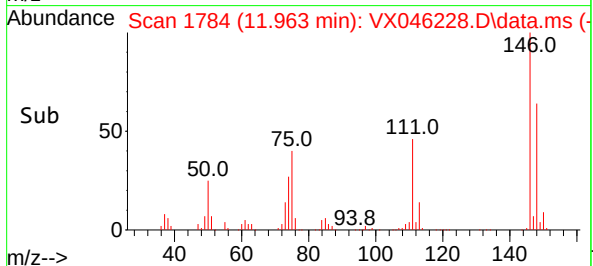
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion:146 Resp: 10902
Ion Ratio Lower Upper
146 100
111 44.1 22.1 66.3
148 64.2 32.1 96.5

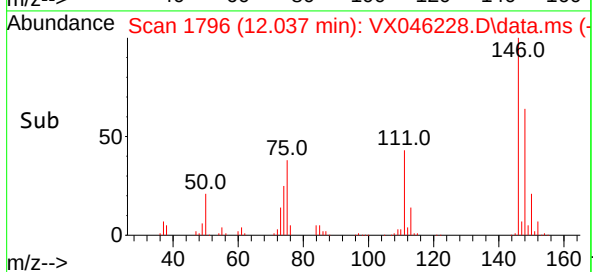
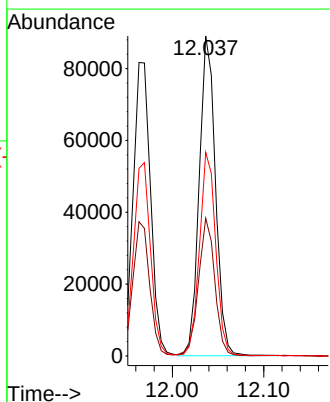
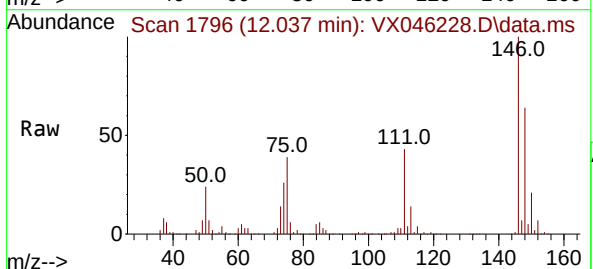
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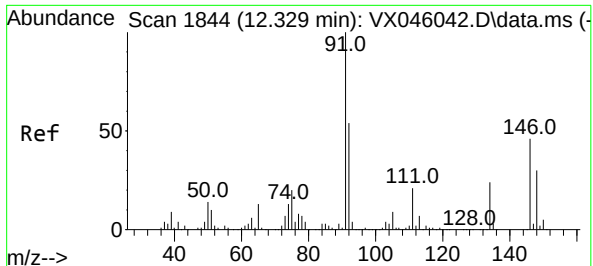
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#88
1,4-Dichlorobenzene
Concen: 49.659 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX046228.D
Acq: 16 May 2025 09:22

Tgt Ion:146 Resp: 109800
Ion Ratio Lower Upper
146 100
111 43.2 21.3 63.9
148 63.3 31.9 95.5





#89

n-Butylbenzene

Concen: 53.194 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX046228.D

Acq: 16 May 2025 09:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 20334

Ion Ratio Lower Upper

91 100

92 53.9 26.9 80.7

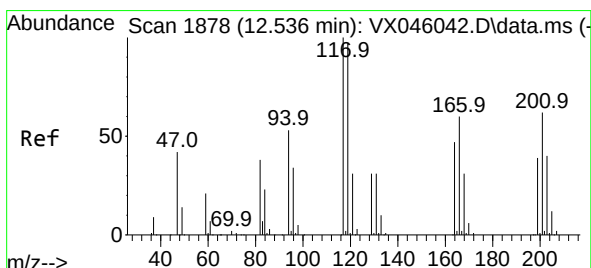
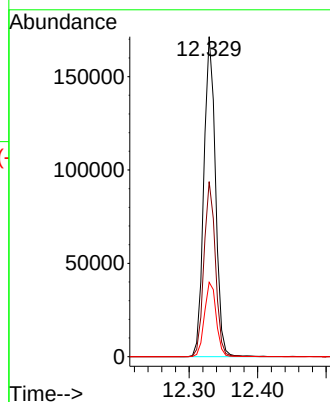
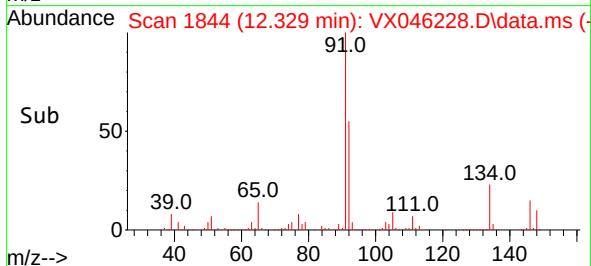
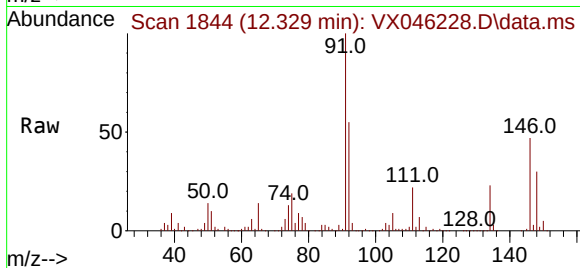
134 23.5 11.8 35.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#90

Hexachloroethane

Concen: 51.597 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX046228.D

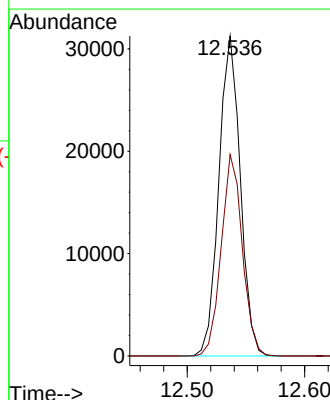
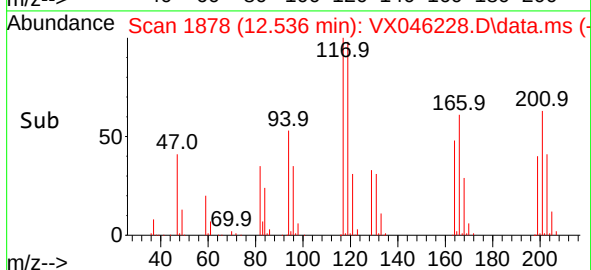
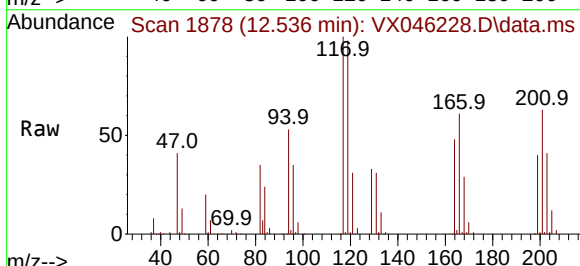
Acq: 16 May 2025 09:22

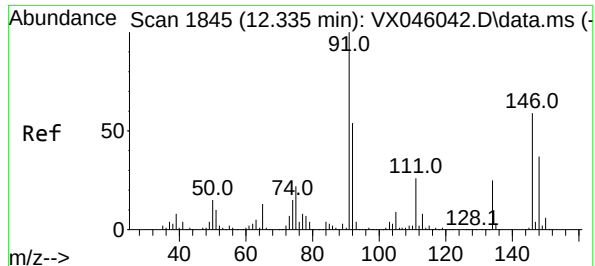
Tgt Ion:117 Resp: 39615

Ion Ratio Lower Upper

117 100

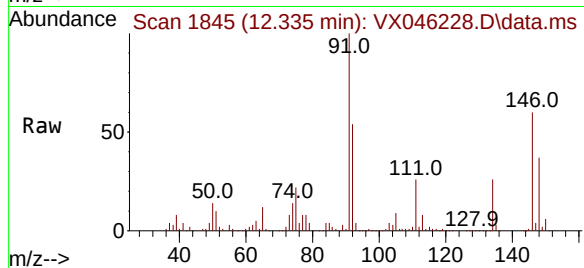
201 62.2 31.6 94.7





#91
1,2-Dichlorobenzene
Concen: 50.357 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX046228.D
Acq: 16 May 2025 09:22

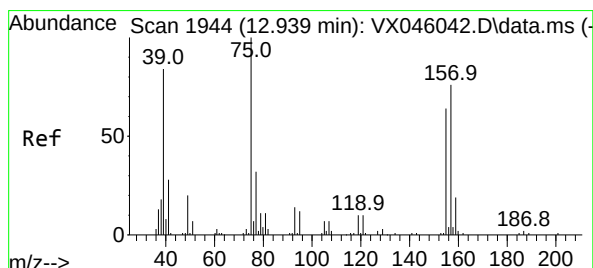
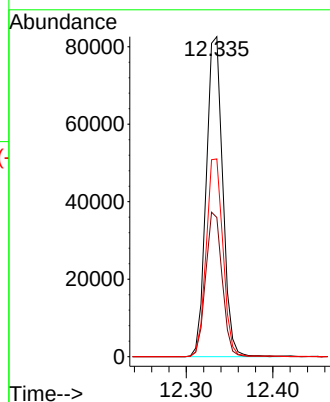
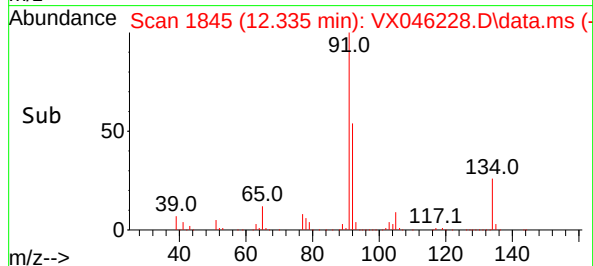
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion:146 Resp: 10940
Ion Ratio Lower Upper
146 100
111 45.1 22.4 67.3
148 62.7 31.6 94.8

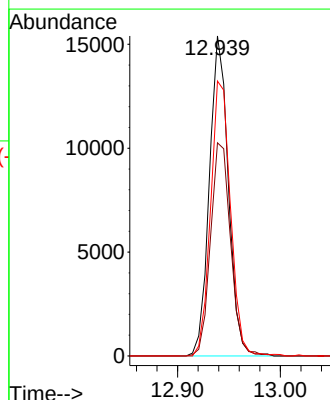
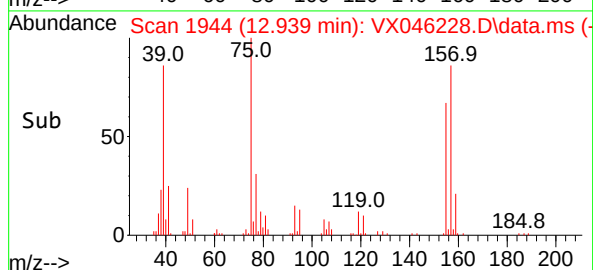
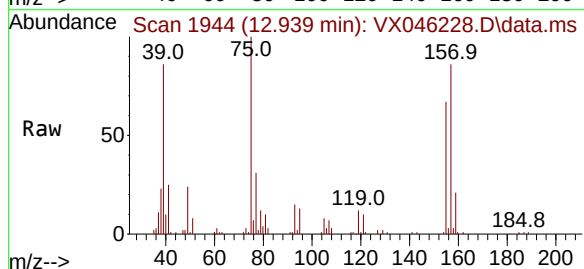
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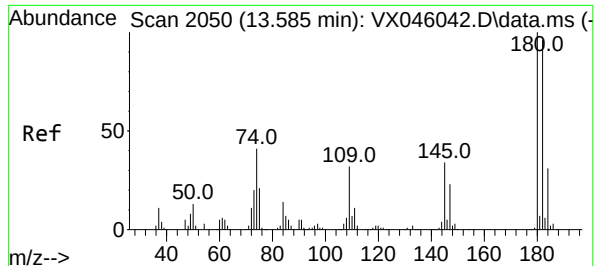
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 49.883 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX046228.D
Acq: 16 May 2025 09:22

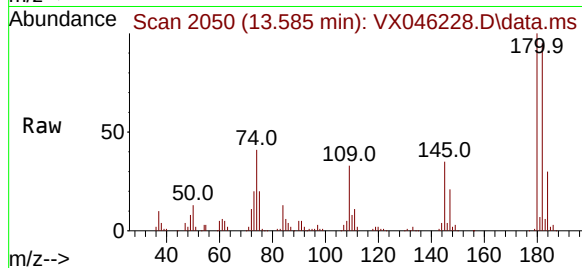
Tgt Ion: 75 Resp: 19788
Ion Ratio Lower Upper
75 100
155 70.4 34.9 104.8
157 90.0 43.8 131.4





#93
1,2,4-Trichlorobenzene
Concen: 50.558 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX046228.D
Acq: 16 May 2025 09:22

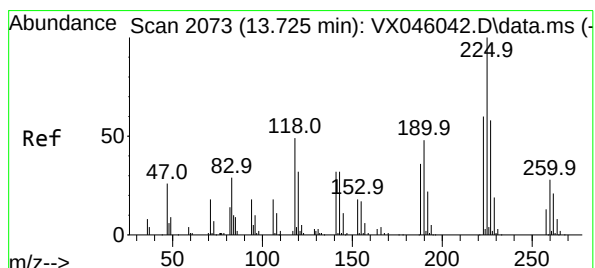
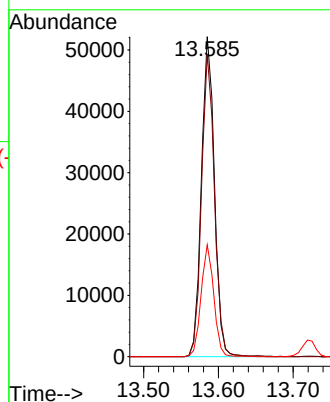
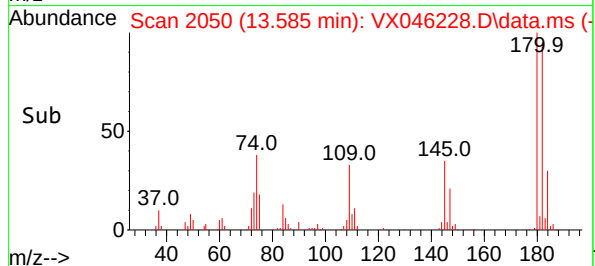
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion:180 Resp: 63089
Ion Ratio Lower Upper
180 100
182 93.5 47.9 143.8
145 34.1 17.1 51.2

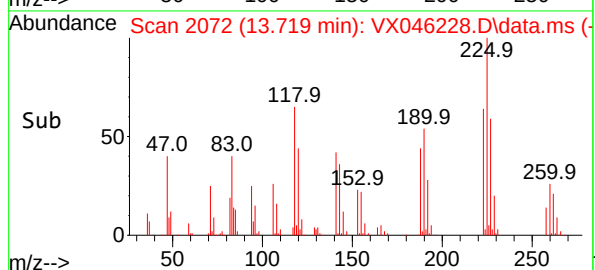
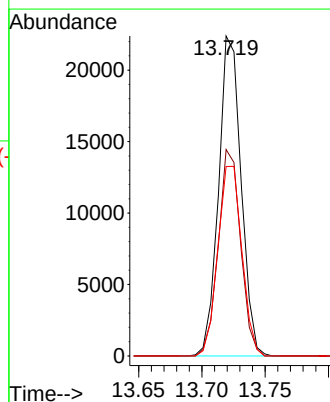
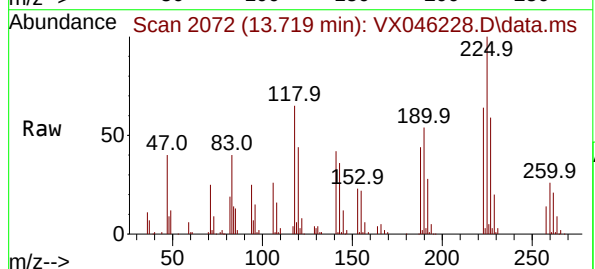
Manual Integrations
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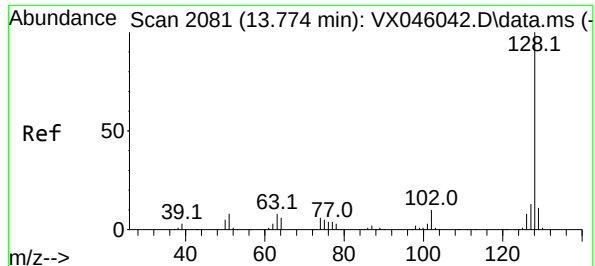
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#94
Hexachlorobutadiene
Concen: 50.738 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX046228.D
Acq: 16 May 2025 09:22

Tgt Ion:225 Resp: 27652
Ion Ratio Lower Upper
225 100
223 63.8 30.8 92.4
227 63.3 30.9 92.7





#95

Naphthalene

Concen: 48.350 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX046228.D

Acq: 16 May 2025 09:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:128 Resp: 22128

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

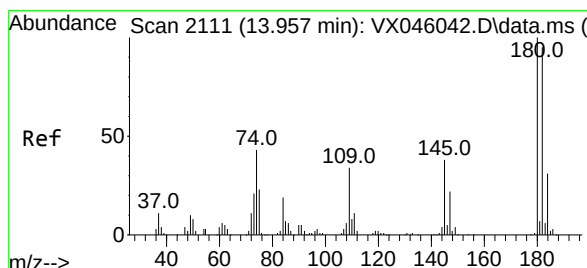
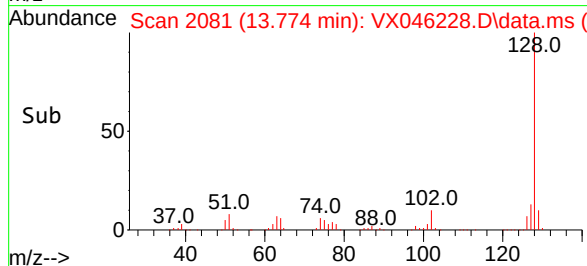
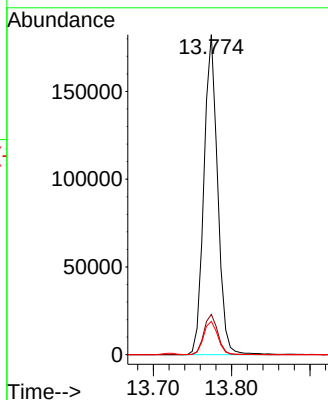
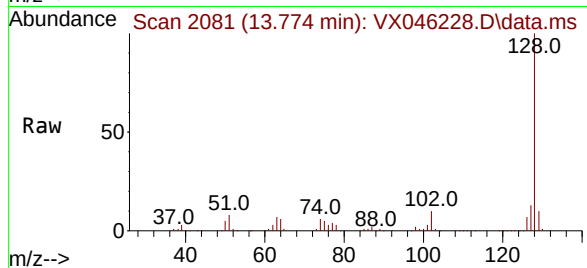
129 10.8 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#96

1,2,3-Trichlorobenzene

Concen: 49.212 ug/l

RT: 13.957 min Scan# 2111

Delta R.T. 0.000 min

Lab File: VX046228.D

Acq: 16 May 2025 09:22

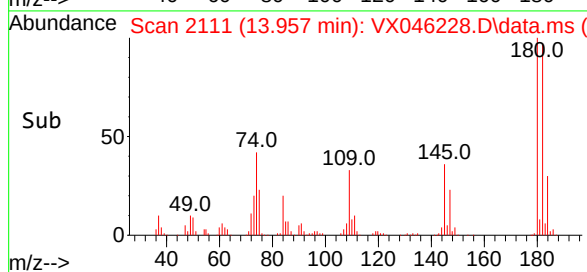
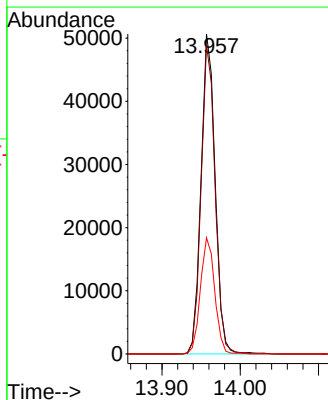
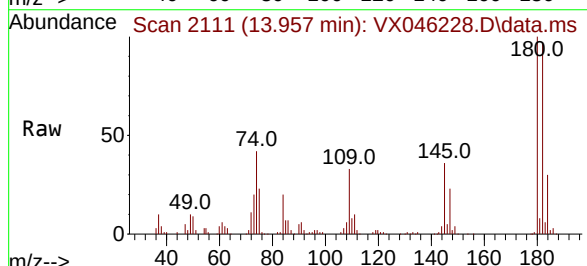
Tgt Ion:180 Resp: 63364

Ion Ratio Lower Upper

180 100

182 95.7 47.8 143.3

145 36.9 18.1 54.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051625\
 Data File : VX046228.D
 Acq On : 16 May 2025 09:22
 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 16 22:58:34 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	97	0.00
2 T	Dichlorodifluoromethane	0.765	0.769	-0.5	87	0.00
3 P	Chloromethane	0.742	0.711	4.2	89	0.00
4 C	Vinyl Chloride	0.691	0.646	6.5#	89	0.00
5 T	Bromomethane	0.320	0.290	9.4	87	0.00
6 T	Chloroethane	0.369	0.361	2.2	93	0.00
7 T	Trichlorofluoromethane	1.021	1.027	-0.6	94	0.00
8 T	Diethyl Ether	0.347	0.327	5.8	95	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.632	0.632	0.0	96	0.00
10 T	Methyl Iodide	0.747	0.672	10.0	81	0.00
11 T	Tert butyl alcohol	0.131	0.122	6.9	92	0.00
12 CM	1,1-Dichloroethene	0.593	0.561	5.4#	91	0.00
13 T	Acrolein	0.149	0.176	-18.1	113	0.00
14 T	Allyl chloride	1.133	1.129	0.4	93	0.00
15 T	Acrylonitrile	0.374	0.372	0.5	93	0.00
16 T	Acetone	0.374	0.382	-2.1	103	0.00
17 T	Carbon Disulfide	1.406	1.242	11.7	83	0.00
18 T	Methyl Acetate	0.867	0.942	-8.7	108	0.00
19 T	Methyl tert-butyl Ether	2.079	2.019	2.9	91	0.00
20 T	Methylene Chloride	0.716	0.652	8.9	93	0.00
21 T	trans-1,2-Dichloroethene	0.596	0.571	4.2	91	0.00
22 T	Diisopropyl ether	2.189	2.183	0.3	93	0.00
23 T	Vinyl Acetate	1.925	1.907	0.9	91	0.00
24 P	1,1-Dichloroethane	1.219	1.184	2.9	91	0.00
25 T	2-Butanone	0.543	0.545	-0.4	96	0.00
26 T	2,2-Dichloropropane	0.954	0.950	0.4	97	0.00
27 T	cis-1,2-Dichloroethene	0.718	0.684	4.7	90	0.00
28 T	Bromochloromethane	0.587	0.596	-1.5	101	-0.01
29 T	Tetrahydrofuran	0.340	0.328	3.5	91	0.00
30 C	Chloroform	1.271	1.254	1.3#	94	0.00
31 T	Cyclohexane	1.111	1.034	6.9	89	-0.01
32 T	1,1,1-Trichloroethane	1.101	1.073	2.5	92	0.00
33 S	1,2-Dichloroethane-d4	0.932	0.895	4.0	96	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	94	0.00
35 S	Dibromofluoromethane	0.360	0.380	-5.6	100	0.00
36 T	1,1-Dichloropropene	0.484	0.472	2.5	89	0.00
37 T	Ethyl Acetate	0.598	0.569	4.8	87	0.00
38 T	Carbon Tetrachloride	0.544	0.555	-2.0	93	0.00
39 T	Methylcyclohexane	0.623	0.608	2.4	89	0.00
40 TM	Benzene	1.417	1.418	-0.1	90	0.00
41 T	Methacrylonitrile	0.313	0.343	-9.6	93	0.00
42 TM	1,2-Dichloroethane	0.612	0.614	-0.3	92	0.00
43 T	Isopropyl Acetate	0.912	0.932	-2.2	91	0.00
44 TM	Trichloroethene	0.341	0.341	0.0	90	0.00
45 C	1,2-Dichloropropane	0.352	0.373	-6.0#	94	0.00
46 T	Dibromomethane	0.278	0.282	-1.4	92	0.00
47 T	Bromodichloromethane	0.547	0.579	-5.9	94	0.00
48 T	Methyl methacrylate	0.466	0.491	-5.4	92	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051625\
 Data File : VX046228.D
 Acq On : 16 May 2025 09:22
 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 16 22:58:34 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	90	0.00
50 S	Toluene-d8	1.246	1.276	-2.4	98	0.00
51 T	4-Methyl-2-Pentanone	0.605	0.629	-4.0	93	0.00
52 CM	Toluene	0.869	0.864	0.6#	90	0.00
53 T	t-1,3-Dichloropropene	0.487	0.517	-6.2	92	0.00
54 T	cis-1,3-Dichloropropene	0.538	0.571	-6.1	93	0.00
55 T	1,1,2-Trichloroethane	0.343	0.353	-2.9	93	0.00
56 T	Ethyl methacrylate	0.546	0.569	-4.2	90	0.00
57 T	1,3-Dichloropropane	0.615	0.616	-0.2	93	0.00
58 T	2-Chloroethyl Vinyl ether	0.278	0.287	-3.2	88	0.00
59 T	2-Hexanone	0.448	0.468	-4.5	93	0.00
60 T	Dibromochloromethane	0.376	0.402	-6.9	94	0.00
61 T	1,2-Dibromoethane	0.356	0.364	-2.2	91	0.00
62 S	4-Bromofluorobenzene	0.478	0.486	-1.7	97	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	94	0.00
64 T	Tetrachloroethene	0.354	0.372	-5.1	93	0.00
65 PM	Chlorobenzene	1.094	1.082	1.1	92	0.00
66 T	1,1,1,2-Tetrachloroethane	0.374	0.383	-2.4	92	0.00
67 C	Ethyl Benzene	1.929	1.962	-1.7#	91	0.00
68 T	m/p-Xylenes	0.706	0.716	-1.4	91	0.00
69 T	o-Xylene	0.688	0.698	-1.5	90	0.00
70 T	Styrene	1.127	1.198	-6.3	92	0.00
71 P	Bromoform	0.281	0.296	-5.3	91	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	0.00
73 T	Isopropylbenzene	3.893	3.974	-2.1	93	0.00
74 T	N-amyl acetate	1.924	1.950	-1.4	91	0.00
75 P	1,1,2,2-Tetrachloroethane	1.364	1.296	5.0	94	0.00
76 T	1,2,3-Trichloropropane	1.204	1.180	2.0	96	0.00
77 T	Bromobenzene	0.904	0.889	1.7	93	0.00
78 T	n-propylbenzene	4.526	4.640	-2.5	92	0.00
79 T	2-Chlorotoluene	2.919	2.841	2.7	92	0.00
80 T	1,3,5-Trimethylbenzene	3.252	3.347	-2.9	93	0.00
81 T	trans-1,4-Dichloro-2-butene	0.370	0.373	-0.8	94	0.00
82 T	4-Chlorotoluene	3.238	3.318	-2.5	93	0.00
83 T	tert-Butylbenzene	3.276	3.280	-0.1	92	0.00
84 T	1,2,4-Trimethylbenzene	3.293	3.390	-2.9	93	0.00
85 T	sec-Butylbenzene	4.022	4.168	-3.6	94	0.00
86 T	p-Isopropyltoluene	3.320	3.475	-4.7	94	0.00
87 T	1,3-Dichlorobenzene	1.649	1.661	-0.7	94	0.00
88 T	1,4-Dichlorobenzene	1.684	1.673	0.7	95	0.00
89 T	n-Butylbenzene	2.912	3.098	-6.4	95	0.00
90 T	Hexachloroethane	0.585	0.604	-3.2	94	0.00
91 T	1,2-Dichlorobenzene	1.655	1.667	-0.7	95	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.302	0.301	0.3	90	0.00
93 T	1,2,4-Trichlorobenzene	0.951	0.961	-1.1	95	0.00
94 T	Hexachlorobutadiene	0.415	0.421	-1.4	95	0.00
95 T	Naphthalene	3.487	3.371	3.3	90	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051625\
Data File : VX046228.D
Acq On : 16 May 2025 09:22
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 16 22:58:34 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	0.965	1.6	91	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051625\
 Data File : VX046228.D
 Acq On : 16 May 2025 09:22
 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 16 22:58:34 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	97	0.00
2 T	Dichlorodifluoromethane	50.000	50.247	-0.5	87	0.00
3 P	Chloromethane	50.000	47.884	4.2	89	0.00
4 C	Vinyl Chloride	50.000	46.736	6.5#	89	0.00
5 T	Bromomethane	50.000	45.291	9.4	87	0.00
6 T	Chloroethane	50.000	49.007	2.0	93	0.00
7 T	Trichlorofluoromethane	50.000	50.319	-0.6	94	0.00
8 T	Diethyl Ether	50.000	47.102	5.8	95	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	50.023	-0.0	96	0.00
10 T	Methyl Iodide	50.000	44.920	10.2	81	0.00
11 T	Tert butyl alcohol	250.000	233.689	6.5	92	0.00
12 CM	1,1-Dichloroethene	50.000	47.290	5.4#	91	0.00
13 T	Acrolein	250.000	296.047	-18.4	113	0.00
14 T	Allyl chloride	50.000	49.825	0.3	93	0.00
15 T	Acrylonitrile	250.000	248.278	0.7	93	0.00
16 T	Acetone	250.000	255.326	-2.1	103	0.00
17 T	Carbon Disulfide	50.000	44.170	11.7	83	0.00
18 T	Methyl Acetate	50.000	54.316	-8.6	108	0.00
19 T	Methyl tert-butyl Ether	50.000	48.577	2.8	91	0.00
20 T	Methylene Chloride	50.000	45.492	9.0	93	0.00
21 T	trans-1,2-Dichloroethene	50.000	47.883	4.2	91	0.00
22 T	Diisopropyl ether	50.000	49.862	0.3	93	0.00
23 T	Vinyl Acetate	250.000	247.687	0.9	91	0.00
24 P	1,1-Dichloroethane	50.000	48.548	2.9	91	0.00
25 T	2-Butanone	250.000	251.138	-0.5	96	0.00
26 T	2,2-Dichloropropane	50.000	49.765	0.5	97	0.00
27 T	cis-1,2-Dichloroethene	50.000	47.618	4.8	90	0.00
28 T	Bromochloromethane	50.000	50.823	-1.6	101	-0.01
29 T	Tetrahydrofuran	250.000	240.809	3.7	91	0.00
30 C	Chloroform	50.000	49.338	1.3#	94	0.00
31 T	Cyclohexane	50.000	46.559	6.9	89	-0.01
32 T	1,1,1-Trichloroethane	50.000	48.706	2.6	92	0.00
33 S	1,2-Dichloroethane-d4	50.000	48.032	3.9	96	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	94	0.00
35 S	Dibromofluoromethane	50.000	52.812	-5.6	100	0.00
36 T	1,1-Dichloropropene	50.000	48.739	2.5	89	0.00
37 T	Ethyl Acetate	50.000	47.626	4.7	87	0.00
38 T	Carbon Tetrachloride	50.000	51.040	-2.1	93	0.00
39 T	Methylcyclohexane	50.000	48.850	2.3	89	0.00
40 TM	Benzene	50.000	50.018	-0.0	90	0.00
41 T	Methacrylonitrile	50.000	54.832	-9.7	93	0.00
42 TM	1,2-Dichloroethane	50.000	50.211	-0.4	92	0.00
43 T	Isopropyl Acetate	50.000	51.114	-2.2	91	0.00
44 TM	Trichloroethene	50.000	49.949	0.1	90	0.00
45 C	1,2-Dichloropropane	50.000	52.981	-6.0#	94	0.00
46 T	Dibromomethane	50.000	50.649	-1.3	92	0.00
47 T	Bromodichloromethane	50.000	52.885	-5.8	94	0.00
48 T	Methyl methacrylate	50.000	52.751	-5.5	92	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051625\
 Data File : VX046228.D
 Acq On : 16 May 2025 09:22
 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 16 22:58:34 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	989.815	1.0	90	0.00
50 S	Toluene-d8	50.000	51.202	-2.4	98	0.00
51 T	4-Methyl-2-Pentanone	250.000	259.795	-3.9	93	0.00
52 CM	Toluene	50.000	49.729	0.5#	90	0.00
53 T	t-1,3-Dichloropropene	50.000	53.141	-6.3	92	0.00
54 T	cis-1,3-Dichloropropene	50.000	53.067	-6.1	93	0.00
55 T	1,1,2-Trichloroethane	50.000	51.574	-3.1	93	0.00
56 T	Ethyl methacrylate	50.000	52.135	-4.3	90	0.00
57 T	1,3-Dichloropropane	50.000	50.096	-0.2	93	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	257.856	-3.1	88	0.00
59 T	2-Hexanone	250.000	261.365	-4.5	93	0.00
60 T	Dibromochloromethane	50.000	53.406	-6.8	94	0.00
61 T	1,2-Dibromoethane	50.000	51.072	-2.1	91	0.00
62 S	4-Bromofluorobenzene	50.000	50.840	-1.7	97	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	94	0.00
64 T	Tetrachloroethene	50.000	52.644	-5.3	93	0.00
65 PM	Chlorobenzene	50.000	49.413	1.2	92	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	51.247	-2.5	92	0.00
67 C	Ethyl Benzene	50.000	50.860	-1.7#	91	0.00
68 T	m/p-Xylenes	100.000	101.535	-1.5	91	0.00
69 T	o-Xylene	50.000	50.773	-1.5	90	0.00
70 T	Styrene	50.000	53.153	-6.3	92	0.00
71 P	Bromoform	50.000	52.835	-5.7	91	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	97	0.00
73 T	Isopropylbenzene	50.000	51.040	-2.1	93	0.00
74 T	N-ethyl acetate	50.000	50.690	-1.4	91	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	47.516	5.0	94	0.00
76 T	1,2,3-Trichloropropane	50.000	49.003	2.0	96	0.00
77 T	Bromobenzene	50.000	49.210	1.6	93	0.00
78 T	n-propylbenzene	50.000	51.259	-2.5	92	0.00
79 T	2-Chlorotoluene	50.000	48.665	2.7	92	0.00
80 T	1,3,5-Trimethylbenzene	50.000	51.453	-2.9	93	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	50.458	-0.9	94	0.00
82 T	4-Chlorotoluene	50.000	51.243	-2.5	93	0.00
83 T	tert-Butylbenzene	50.000	50.061	-0.1	92	0.00
84 T	1,2,4-Trimethylbenzene	50.000	51.470	-2.9	93	0.00
85 T	sec-Butylbenzene	50.000	51.818	-3.6	94	0.00
86 T	p-Isopropyltoluene	50.000	52.332	-4.7	94	0.00
87 T	1,3-Dichlorobenzene	50.000	50.355	-0.7	94	0.00
88 T	1,4-Dichlorobenzene	50.000	49.659	0.7	95	0.00
89 T	n-Butylbenzene	50.000	53.194	-6.4	95	0.00
90 T	Hexachloroethane	50.000	51.597	-3.2	94	0.00
91 T	1,2-Dichlorobenzene	50.000	50.357	-0.7	95	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	49.883	0.2	90	0.00
93 T	1,2,4-Trichlorobenzene	50.000	50.558	-1.1	95	0.00
94 T	Hexachlorobutadiene	50.000	50.738	-1.5	95	0.00
95 T	Naphthalene	50.000	48.350	3.3	90	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051625\
Data File : VX046228.D
Acq On : 16 May 2025 09:22
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 16 22:58:34 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	49.212	1.6	91	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



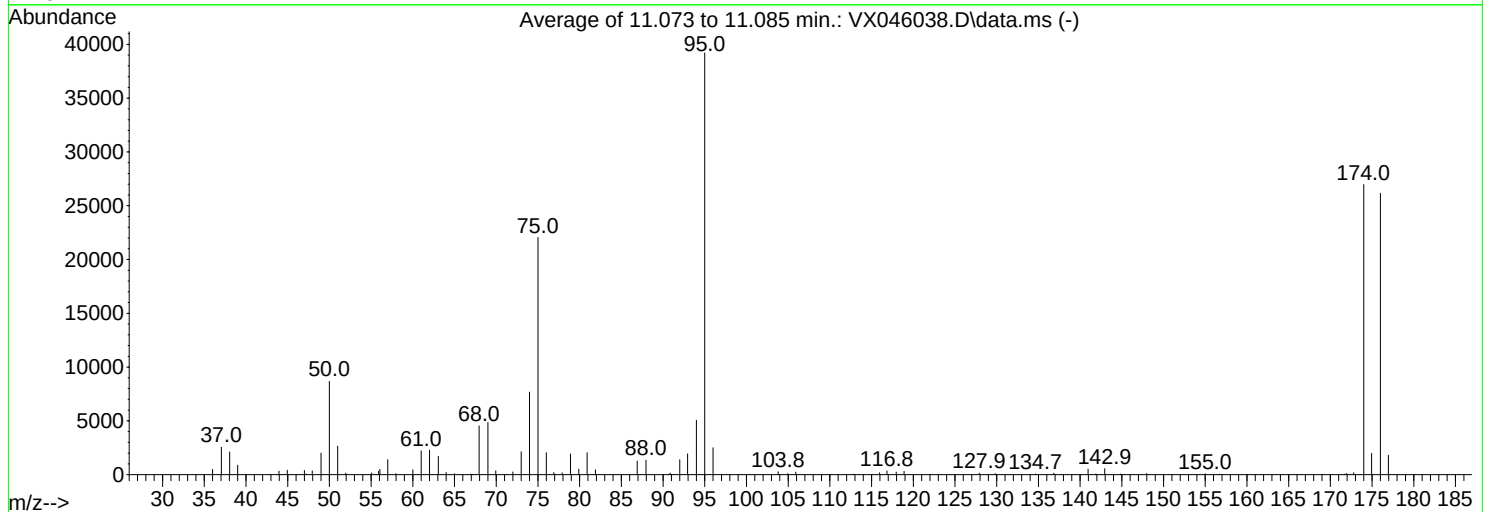
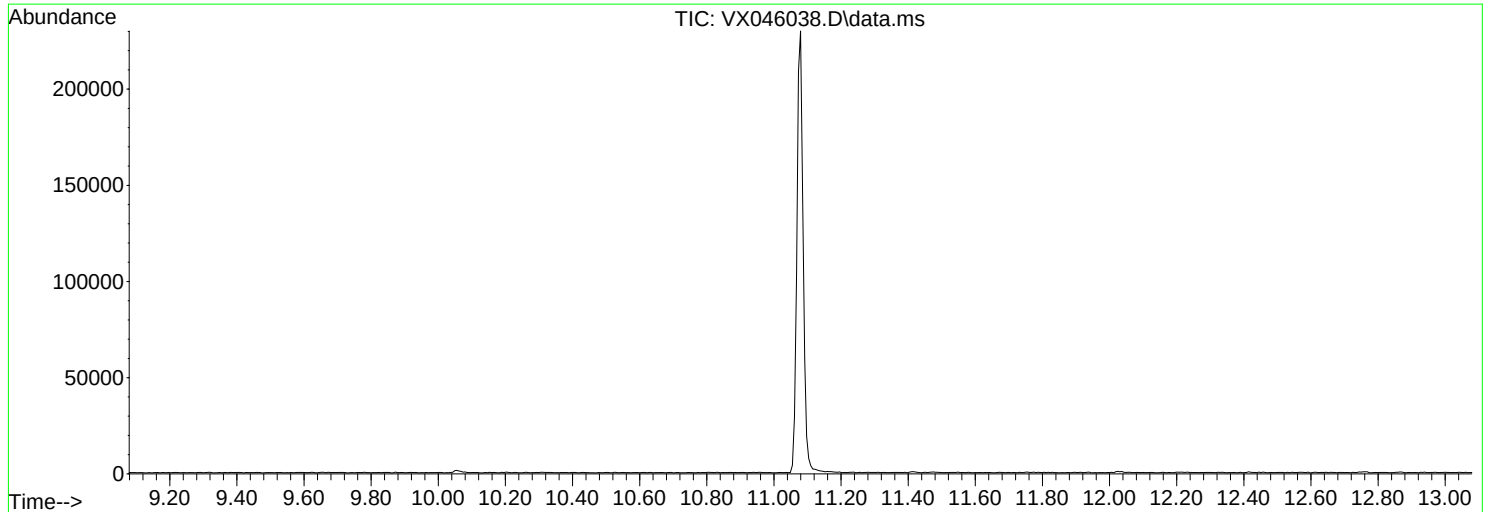
QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\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

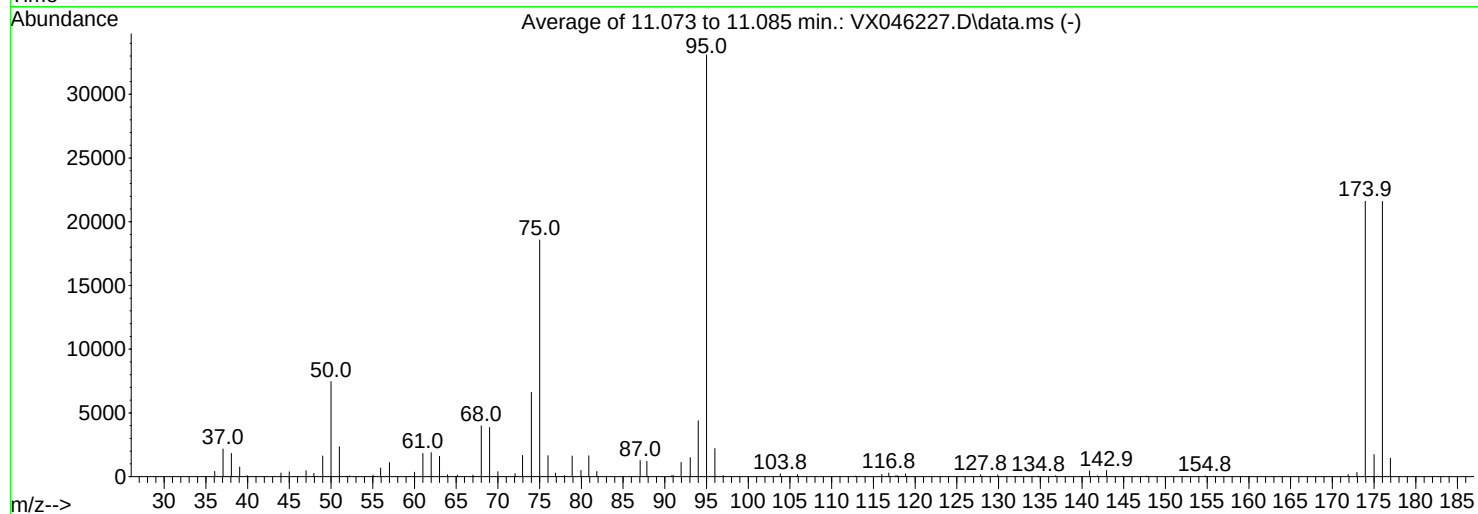
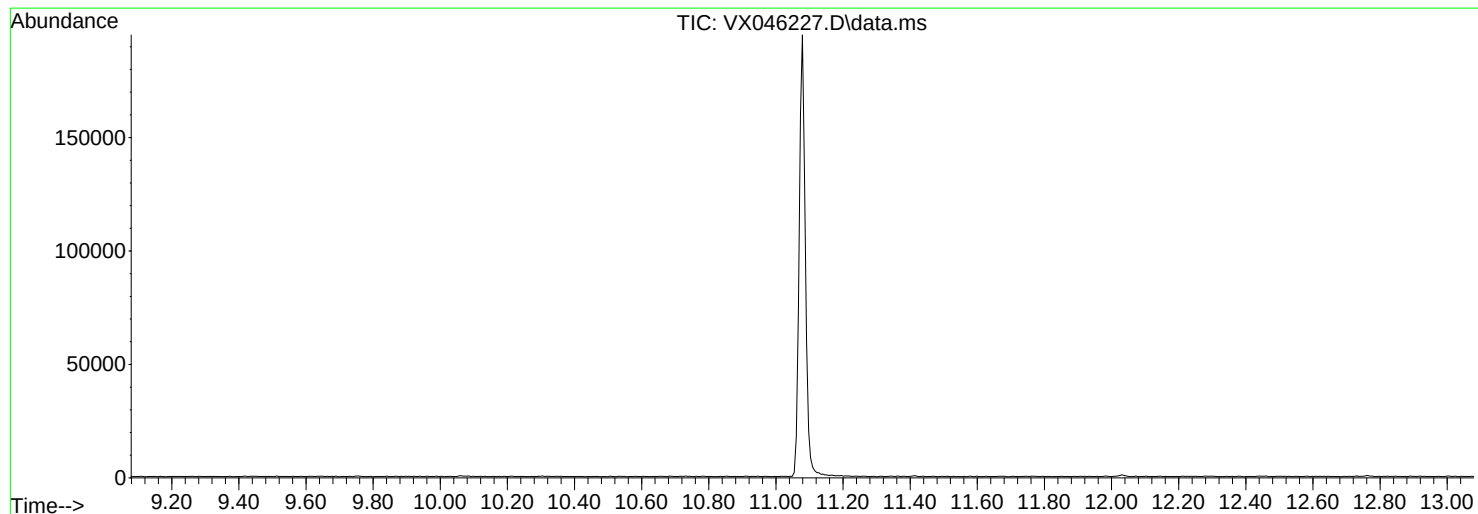
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.1	8676	PASS
75	95	30	60	56.2	22052	PASS
95	95	100	100	100.0	39213	PASS
96	95	5	9	6.4	2505	PASS
173	174	0.00	2	0.7	185	PASS
174	95	50	100	68.8	26963	PASS
175	174	5	9	7.3	1980	PASS
176	174	95	101	97.0	26147	PASS
177	176	5	9	6.9	1802	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051625\
Data File : VX046227.D
Acq On : 16 May 2025 08:47
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	22.5	7461	PASS
75	95	30	60	56.1	18563	PASS
95	95	100	100	100.0	33093	PASS
96	95	5	9	6.7	2213	PASS
173	174	0.00	2	1.5	331	PASS
174	95	50	100	65.3	21608	PASS
175	174	5	9	8.0	1736	PASS
176	174	95	101	99.9	21597	PASS
177	176	5	9	6.7	1453	PASS

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	Somerset Hills Memorial Park	Date Received:	
Client Sample ID:	VX0516WBL01	SDG No.:	Q2072
Lab Sample ID:	VX0516WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046230.D	1		05/16/25 10:12	VX051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	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
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	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
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	Somerset Hills Memorial Park	Date Received:	
Client Sample ID:	VX0516WBL01	SDG No.:	Q2072
Lab Sample ID:	VX0516WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046230.D	1		05/16/25 10:12	VX051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	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
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.14	U	0.14	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.5		70 (74) - 130 (125)	111%	SPK: 50
1868-53-7	Dibromofluoromethane	51.9		70 (75) - 130 (124)	104%	SPK: 50
2037-26-5	Toluene-d8	50.7		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.2		70 (77) - 130 (121)	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	63200	5.544			
540-36-3	1,4-Difluorobenzene	126000	6.757			
3114-55-4	Chlorobenzene-d5	120000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	51400	12.018			

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	Somerset Hills Memorial Park	Date Received:	
Client Sample ID:	VX0516WBL01	SDG No.:	Q2072
Lab Sample ID:	VX0516WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046230.D	1		05/16/25 10:12	VX051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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\VX051625\
Data File : VX046230.D
Acq On : 16 May 2025 10:12
Operator : JC/MD
Sample : VX0516WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBL01

Quant Time: May 16 22:59:53 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	63217	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	126396	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	119684	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51388	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	65384	55.478	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	110.960%
35) Dibromofluoromethane	5.385	113	47275	51.940	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.880%
50) Toluene-d8	8.647	98	159780	50.719	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.440%
62) 4-Bromofluorobenzene	11.079	95	61901	51.226	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	102.460%

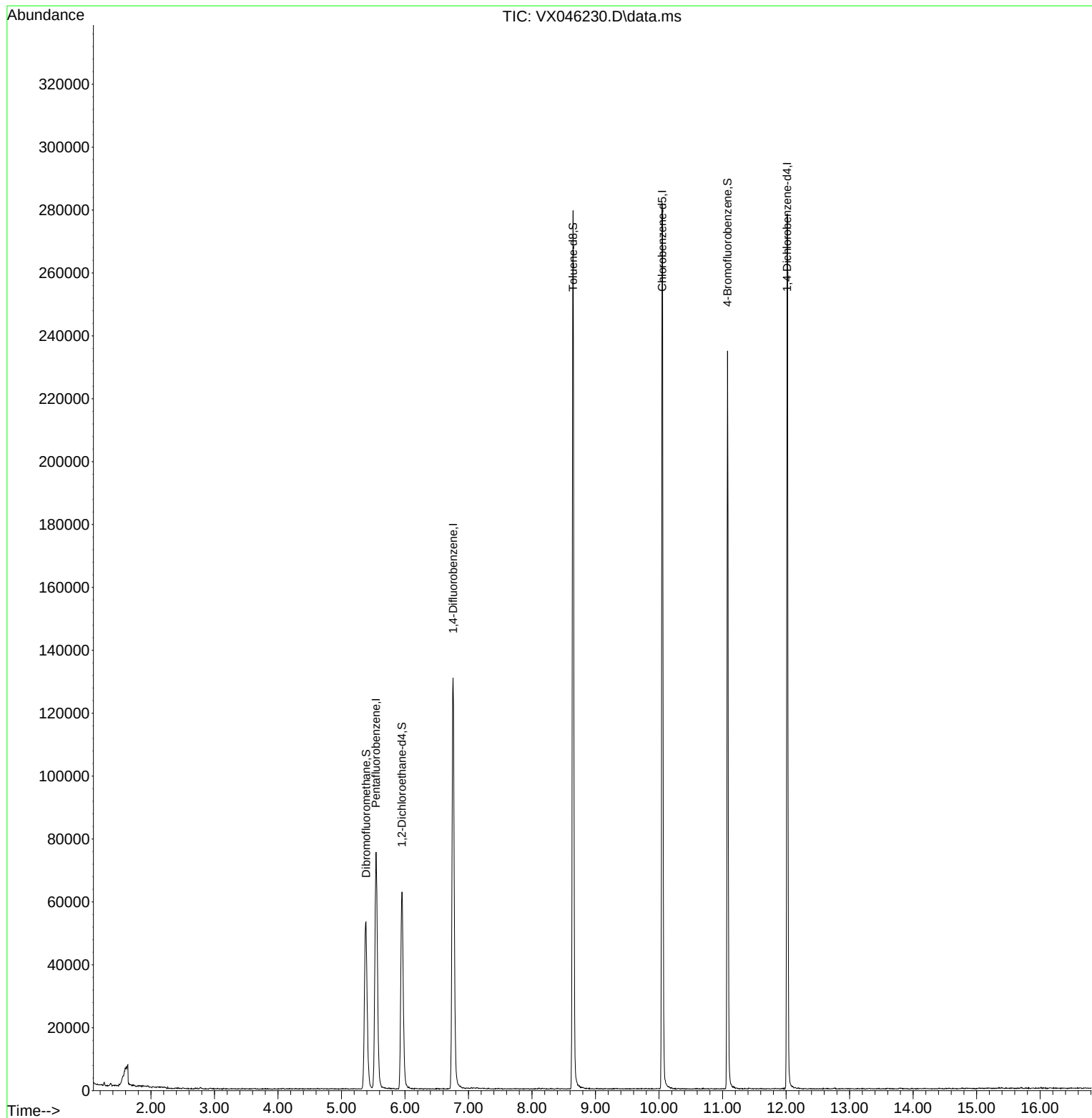
Target Compounds	Qvalue

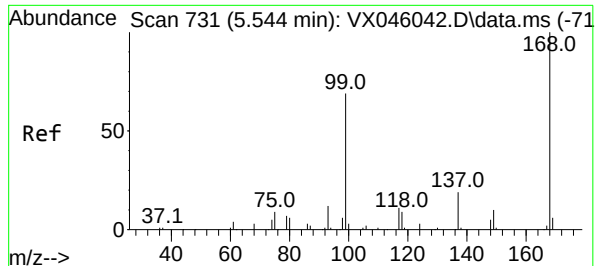
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051625\
Data File : VX046230.D
Acq On : 16 May 2025 10:12
Operator : JC/MD
Sample : VX0516WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBL01

Quant Time: May 16 22:59:53 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

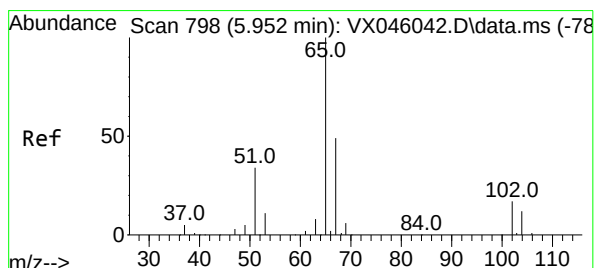
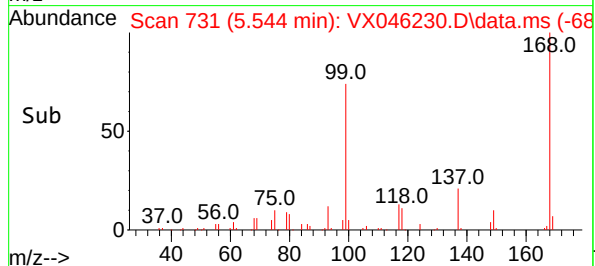
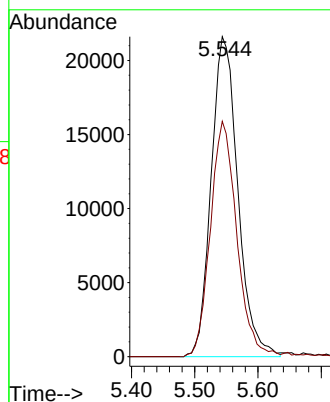
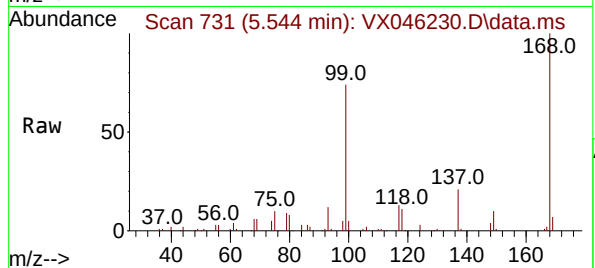




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.000 min
Lab File: VX046230.D
Acq: 16 May 2025 10:12

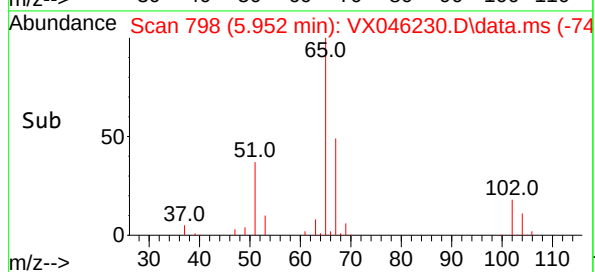
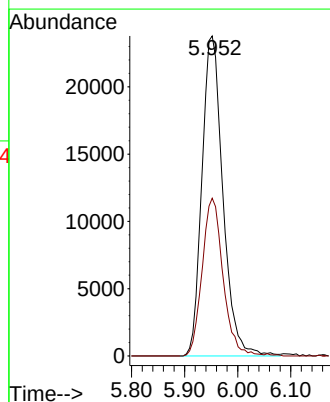
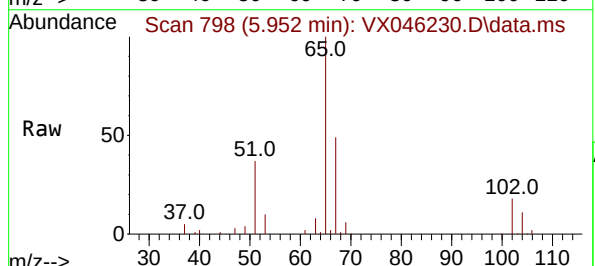
Instrument :
MSVOA_X
ClientSampleId :
VX0516WBL01

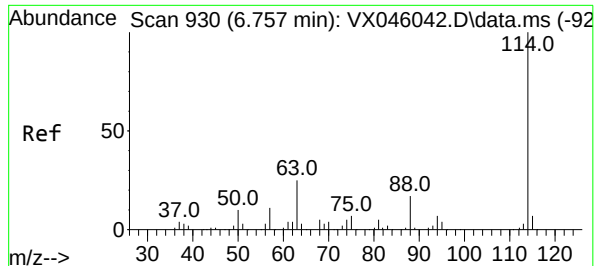
Tgt Ion:168 Resp: 63217
Ion Ratio Lower Upper
168 100
99 73.5 54.9 82.3



#33
1,2-Dichloroethane-d4
Concen: 55.478 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX046230.D
Acq: 16 May 2025 10:12

Tgt Ion: 65 Resp: 65384
Ion Ratio Lower Upper
65 100
67 49.0 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: VX046230.D

Acq: 16 May 2025 10:12

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBL01

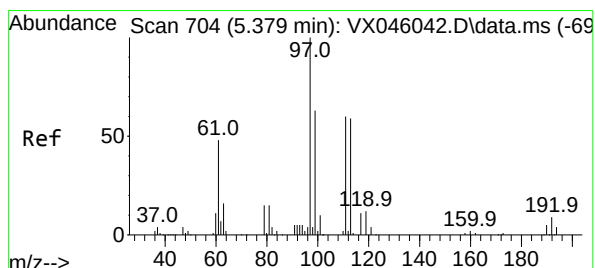
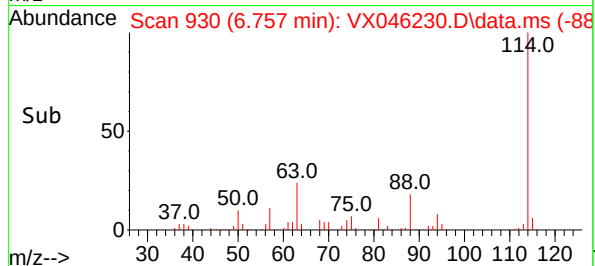
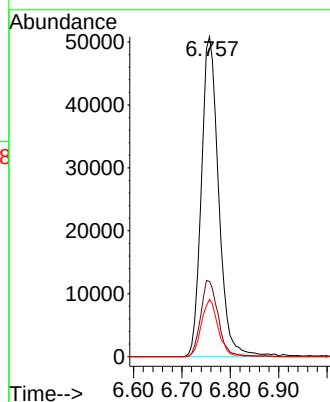
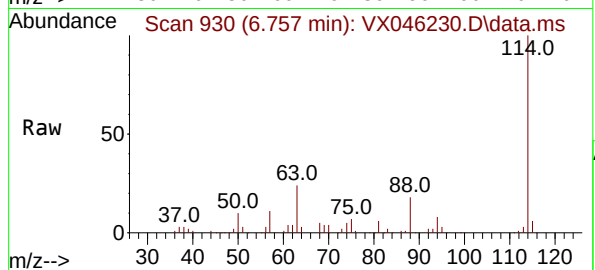
Tgt Ion:114 Resp: 126396

Ion Ratio Lower Upper

114 100

63 23.6 0.0 49.2

88 17.9 0.0 33.6



#35

Dibromofluoromethane

Concen: 51.940 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX046230.D

Acq: 16 May 2025 10:12

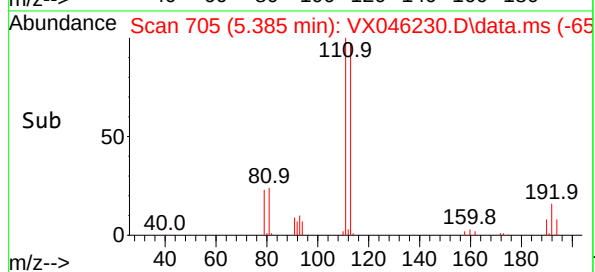
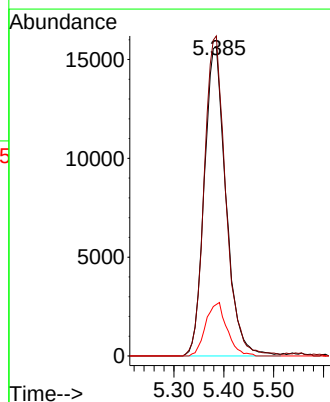
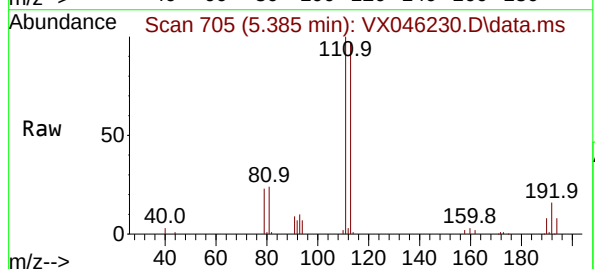
Tgt Ion:113 Resp: 47275

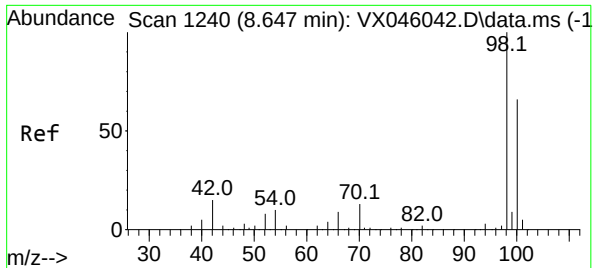
Ion Ratio Lower Upper

113 100

111 102.0 83.1 124.7

192 17.0 13.3 19.9

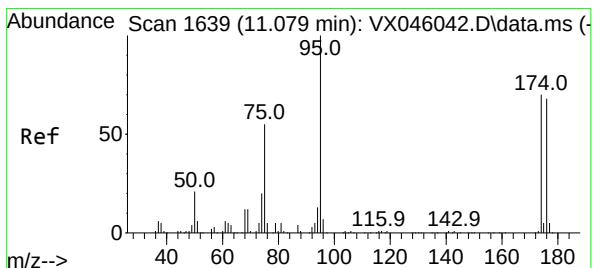
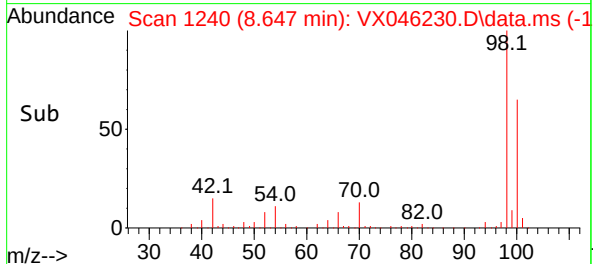
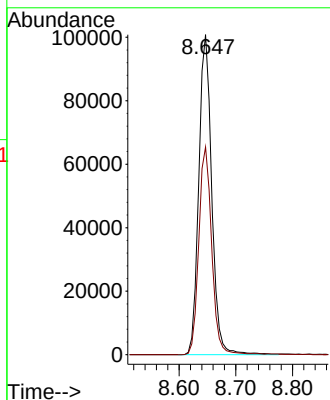
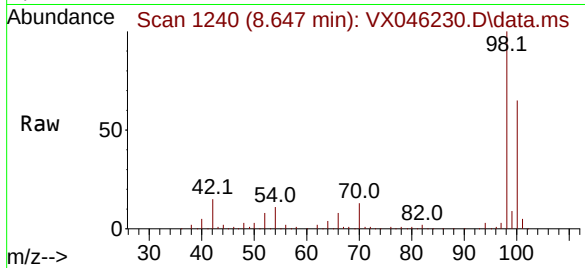




#50
Toluene-d8
Concen: 50.719 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046230.D
Acq: 16 May 2025 10:12

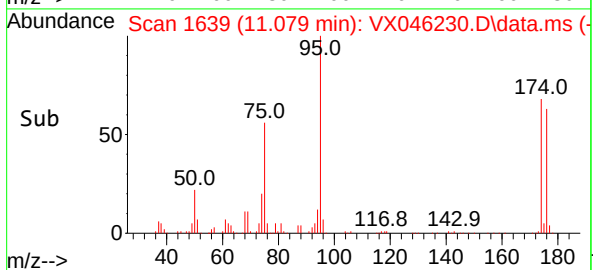
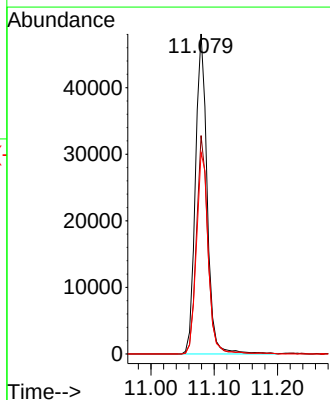
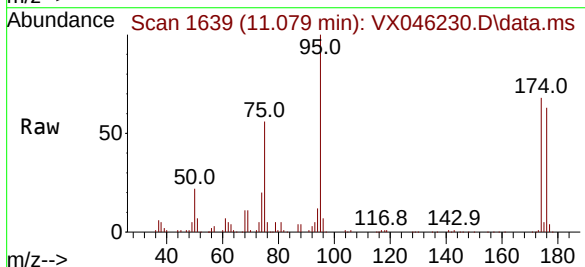
Instrument :
MSVOA_X
ClientSampleId :
VX0516WBL01

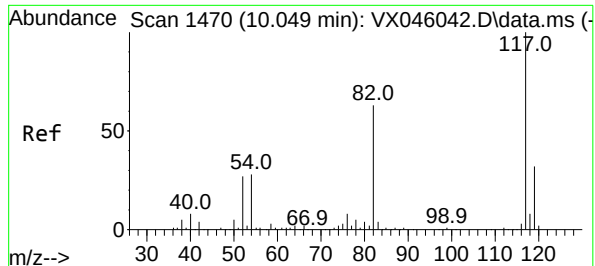
Tgt Ion: 98 Resp: 159780
Ion Ratio Lower Upper
98 100
100 64.8 53.5 80.3



#62
4-Bromofluorobenzene
Concen: 51.226 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046230.D
Acq: 16 May 2025 10:12

Tgt Ion: 95 Resp: 61901
Ion Ratio Lower Upper
95 100
174 66.5 0.0 135.8
176 63.8 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: VX046230.D

Acq: 16 May 2025 10:12

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBL01

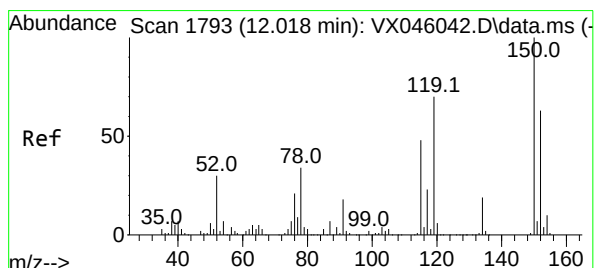
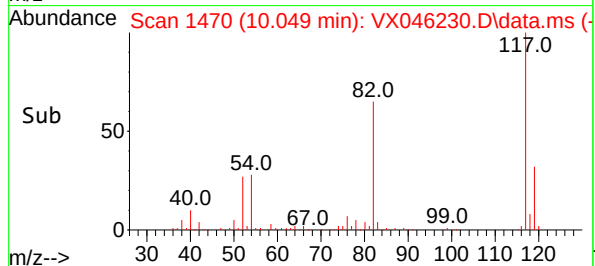
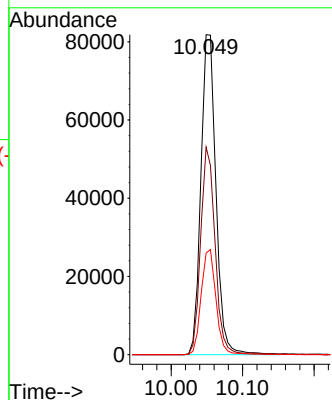
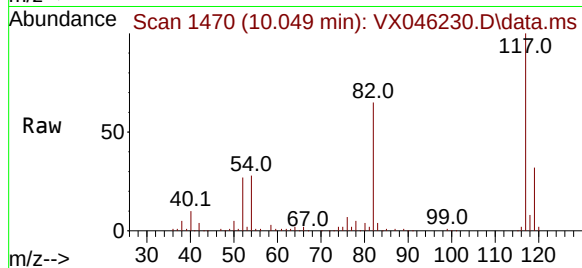
Tgt Ion:117 Resp: 119684

Ion Ratio Lower Upper

117 100

82 64.8 50.6 76.0

119 31.8 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: VX046230.D

Acq: 16 May 2025 10:12

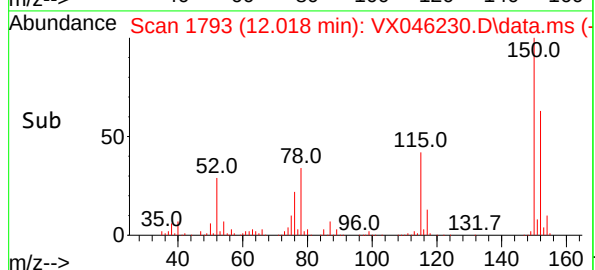
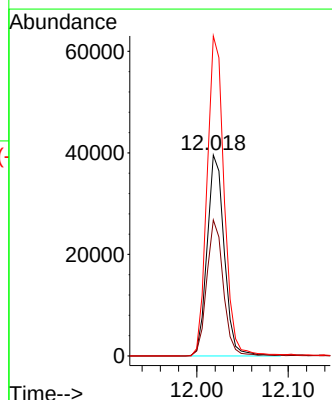
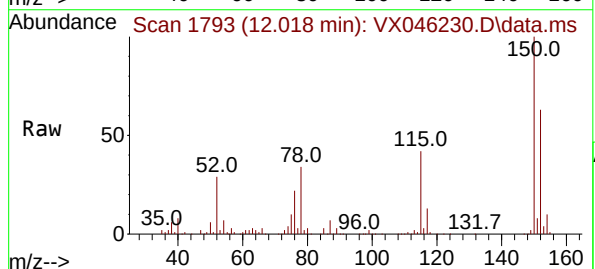
Tgt Ion:152 Resp: 51388

Ion Ratio Lower Upper

152 100

115 65.8 46.9 140.7

150 158.6 0.0 351.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051625\
Data File : VX046230.D
Acq On : 16 May 2025 10:12
Operator : JC/MD
Sample : VX0516WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBL01

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

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

Title : SW846 8260

Signal : TIC: VX046230.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.563	69	78	79	rBV3	2823	5936	1.33%	0.248%
2	1.611	79	86	87	rVV5	5579	13798	3.10%	0.576%
3	1.636	88	90	92	rVB2	6162	4728	1.06%	0.197%
4	5.385	693	705	721	rBV3	53056	159778	35.85%	6.671%
5	5.544	721	731	746	rVV	74970	211535	47.46%	8.832%
6	5.952	789	798	814	rBV	62678	171176	38.41%	7.147%
7	6.757	922	930	947	rBV	130603	321823	72.21%	13.437%
8	8.647	1234	1240	1252	rBV	279183	445672	100.00%	18.608%
9	10.049	1465	1470	1486	rBV	281554	405853	91.07%	16.946%
10	11.079	1634	1639	1653	rBV	234595	300395	67.40%	12.542%
11	12.018	1788	1793	1806	rBV	278310	354327	79.50%	14.794%

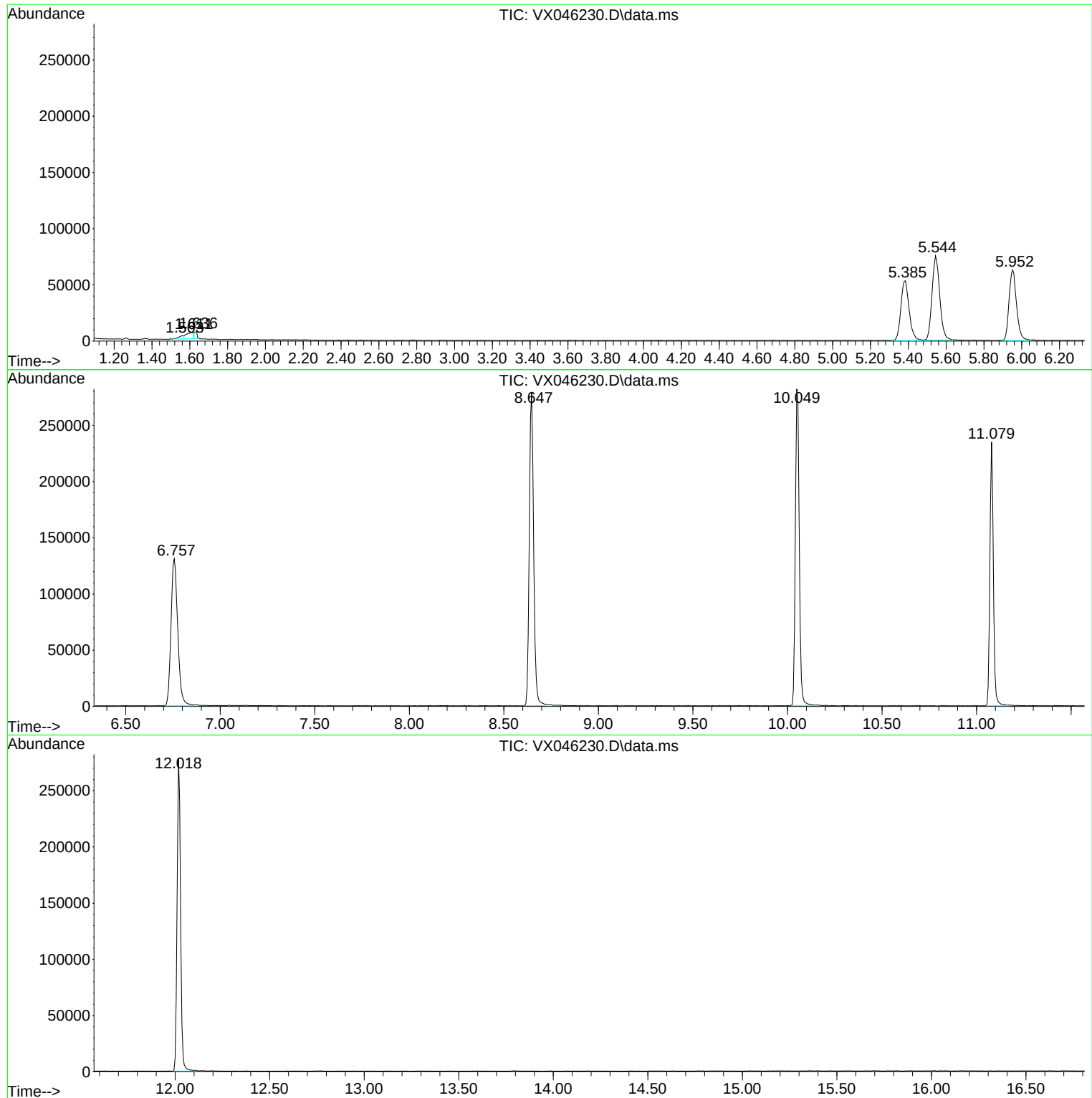
Sum of corrected areas: 2395021

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051625\
Data File : VX046230.D
Acq On : 16 May 2025 10:12
Operator : JC/MD
Sample : VX0516WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051625\
Data File : VX046230.D
Acq On : 16 May 2025 10:12
Operator : JC/MD
Sample : VX0516WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051625\
Data File : VX046230.D
Acq On : 16 May 2025 10:12
Operator : JC/MD
Sample : VX0516WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	Somerset Hills Memorial Park	Date Received:	
Client Sample ID:	VX0516WBS01	SDG No.:	Q2072
Lab Sample ID:	VX0516WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046231.D	1		05/16/25 10:36	VX051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	19.2		0.22	1.00	ug/L
74-87-3	Chloromethane	19.1		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	18.4		0.26	1.00	ug/L
74-83-9	Bromomethane	18.2		1.40	5.00	ug/L
75-00-3	Chloroethane	19.8		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.7		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.4		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.6		0.23	1.00	ug/L
67-64-1	Acetone	99.0		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	15.7		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.0		0.16	1.00	ug/L
79-20-9	Methyl Acetate	23.3		0.27	1.00	ug/L
75-09-2	Methylene Chloride	18.7		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.8		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.2		0.23	1.00	ug/L
110-82-7	Cyclohexane	18.5		1.50	5.00	ug/L
78-93-3	2-Butanone	100		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.7		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.5		0.19	1.00	ug/L
74-97-5	Bromochloromethane	19.1		0.22	1.00	ug/L
67-66-3	Chloroform	20.2		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.1		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	18.5		0.16	1.00	ug/L
71-43-2	Benzene	20.1		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.5		0.22	1.00	ug/L
79-01-6	Trichloroethene	19.8		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	21.3		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	20.7		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.68	5.00	ug/L
108-88-3	Toluene	20.2		0.14	1.00	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	Somerset Hills Memorial Park	Date Received:	
Client Sample ID:	VX0516WBS01	SDG No.:	Q2072
Lab Sample ID:	VX0516WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046231.D	1		05/16/25 10:36	VX051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.2		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.7		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.2		0.21	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	20.6		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.7		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	20.9		0.23	1.00	ug/L
108-90-7	Chlorobenzene	19.4		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	19.9		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	39.7		0.24	2.00	ug/L
95-47-6	o-Xylene	20.0		0.12	1.00	ug/L
100-42-5	Styrene	20.3		0.15	1.00	ug/L
75-25-2	Bromoform	19.0		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	20.0		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.1		0.26	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	20.1		0.14	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.6		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.9		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.4		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	19.6		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	17.5		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.8		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.9		70 (74) - 130 (125)	100%	SPK: 50
1868-53-7	Dibromofluoromethane	51.7		70 (75) - 130 (124)	103%	SPK: 50
2037-26-5	Toluene-d8	50.6		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.5		70 (77) - 130 (121)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	89400	5.544			
540-36-3	1,4-Difluorobenzene	154000	6.757			
3114-55-4	Chlorobenzene-d5	137000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	65100	12.018			

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	Somerset Hills Memorial Park	Date Received:	
Client Sample ID:	VX0516WBS01	SDG No.:	Q2072
Lab Sample ID:	VX0516WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046231.D	1		05/16/25 10:36	VX051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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\VX051625\
 Data File : VX046231.D
 Acq On : 16 May 2025 10:36
 Operator : JC/MD
 Sample : VX0516WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/19/2025
 Supervised By : Semsettin Yesilyurt 05/19/2025

Quant Time: May 16 23:00:13 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	89369	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	154326	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	137068	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	65057	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	83130	49.894	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.780%			
35) Dibromofluoromethane	5.379	113	57490	51.732	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.460%			
50) Toluene-d8	8.647	98	194722	50.625	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.240%			
62) 4-Bromofluorobenzene	11.079	95	74537	50.519	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.040%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	26314	19.237	ug/l	99
3) Chloromethane	1.307	50	25280	19.058	ug/l	99
4) Vinyl Chloride	1.374	62	22657	18.353	ug/l	98
5) Bromomethane	1.593	94	10433	18.220	ug/l	96
6) Chloroethane	1.666	64	13079	19.845	ug/l	95
7) Trichlorofluoromethane	1.874	101	35897	19.675	ug/l	99
8) Diethyl Ether	2.136	74	12163	19.583	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.319	101	21897	19.393	ug/l	98
10) Methyl Iodide	2.441	142	23941	17.919	ug/l	99
11) Tert butyl alcohol	2.977	59	23251	99.417	ug/l	98
12) 1,1-Dichloroethene	2.313	96	19707	18.597	ug/l	97
13) Acrolein	2.233	56	25726	96.589	ug/l	100
14) Allyl chloride	2.660	41	40122	19.811	ug/l	95
15) Acrylonitrile	3.062	53	69626	104.114	ug/l	98
16) Acetone	2.386	43	66144	99.012	ug/l	99
17) Carbon Disulfide	2.502	76	39398	15.682	ug/l	97
18) Methyl Acetate	2.703	43	36158	23.325	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	74404	20.027	ug/l	99
20) Methylene Chloride	2.782	84	23908	18.676	ug/l	93
21) trans-1,2-Dichloroethene	3.087	96	20064	18.827	ug/l	96
22) Diisopropyl ether	3.764	45	80701	20.629	ug/l	94
23) Vinyl Acetate	3.721	43	341851	99.352	ug/l	99
24) 1,1-Dichloroethane	3.605	63	44031	20.207	ug/l	99
25) 2-Butanone	4.556	43	100462	103.585	ug/l	99
26) 2,2-Dichloropropane	4.465	77	32619	19.126	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	25045	19.522	ug/l	99
28) Bromochloromethane	4.891	49	20027	19.095	ug/l	96
29) Tetrahydrofuran	5.007	42	62298	102.509	ug/l	99
30) Chloroform	5.093	83	45878	20.200	ug/l	92
31) Cyclohexane	5.465	56	36667	18.467	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	39648	20.139	ug/l	98
36) 1,1-Dichloropropene	5.684	75	29214	19.565	ug/l	99
37) Ethyl Acetate	4.715	43	34737	18.830	ug/l	99
38) Carbon Tetrachloride	5.672	117	33073	19.713	ug/l	95
39) Methylcyclohexane	7.379	83	35491	18.463	ug/l	98
40) Benzene	6.031	78	88032	20.128	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051625\
 Data File : VX046231.D
 Acq On : 16 May 2025 10:36
 Operator : JC/MD
 Sample : VX0516WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516WBS01

Manual Integrations
 APPROVED

Reviewed By :John Carlone 05/19/2025
 Supervised By :Semsettin Yesilyurt 05/19/2025

Quant Time: May 16 23:00:13 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	4.916	41	20263	20.997	ug/l	94
42) 1,2-Dichloroethane	6.080	62	38698	20.501	ug/l	100
43) Isopropyl Acetate	6.342	43	58051	20.627	ug/l	99
44) Trichloroethene	7.123	130	20851	19.808	ug/l	96
45) 1,2-Dichloropropane	7.428	63	23129	21.268	ug/l	98
46) Dibromomethane	7.580	93	17427	20.317	ug/l	98
47) Bromodichloromethane	7.818	83	34903	20.660	ug/l	99
48) Methyl methacrylate	7.696	41	30363	21.125	ug/l	98
49) 1,4-Dioxane	7.665	88	11758	430.844	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	200590	107.375	ug/l	98
52) Toluene	8.714	92	54039	20.150	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	28851	19.213	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	32652	19.674	ug/l	95
55) 1,1,2-Trichloroethane	9.147	97	22377	21.161	ug/l	99
56) Ethyl methacrylate	9.116	69	34878	20.695	ug/l	98
57) 1,3-Dichloropropane	9.305	76	39205	20.644	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	84216	98.015	ug/l	99
59) 2-Hexanone	9.427	43	151197	109.397	ug/l	99
60) Dibromochloromethane	9.519	129	23959	20.631	ug/l	99
61) 1,2-Dibromoethane	9.610	107	22715	20.668	ug/l	99
64) Tetrachloroethene	9.269	164	20293	20.925	ug/l	97
65) Chlorobenzene	10.080	112	58334	19.444	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	20190	19.708	ug/l	97
67) Ethyl Benzene	10.189	91	105161	19.885	ug/l	100
68) m/p-Xylenes	10.299	106	76760	39.686	ug/l	98
69) o-Xylene	10.640	106	37682	19.984	ug/l	95
70) Styrene	10.653	104	62807	20.333	ug/l	99
71) Bromoform	10.799	173	14584	18.962	ug/l #	96
73) Isopropylbenzene	10.957	105	101389	20.018	ug/l	99
74) N-amyl acetate	10.842	43	50126	20.028	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	35737	20.135	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	31002m	19.798	ug/l	
77) Bromobenzene	11.195	156	22816	19.403	ug/l	98
78) n-propylbenzene	11.299	91	117071	19.879	ug/l	99
79) 2-Chlorotoluene	11.360	91	74482	19.608	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	87389	20.653	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	8454	17.576	ug/l	94
82) 4-Chlorotoluene	11.451	91	84405	20.037	ug/l	100
83) tert-Butylbenzene	11.713	119	83350	19.556	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	86306	20.141	ug/l	99
85) sec-Butylbenzene	11.890	105	105360	20.133	ug/l	100
86) p-Isopropyltoluene	12.006	119	85881	19.881	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	42158	19.645	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	43594	19.891	ug/l	98
89) n-Butylbenzene	12.329	91	73826	19.484	ug/l	97
90) Hexachloroethane	12.536	117	14572	19.148	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	43834	20.355	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7722	19.639	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	21669	17.519	ug/l	97
94) Hexachlorobutadiene	13.725	225	10569	19.565	ug/l	97
95) Naphthalene	13.774	128	83209	18.342	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	24014	18.816	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051625\
Data File : VX046231.D
Acq On : 16 May 2025 10:36
Operator : JC/MD
Sample : VX0516WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

Quant Time: May 16 23:00:13 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

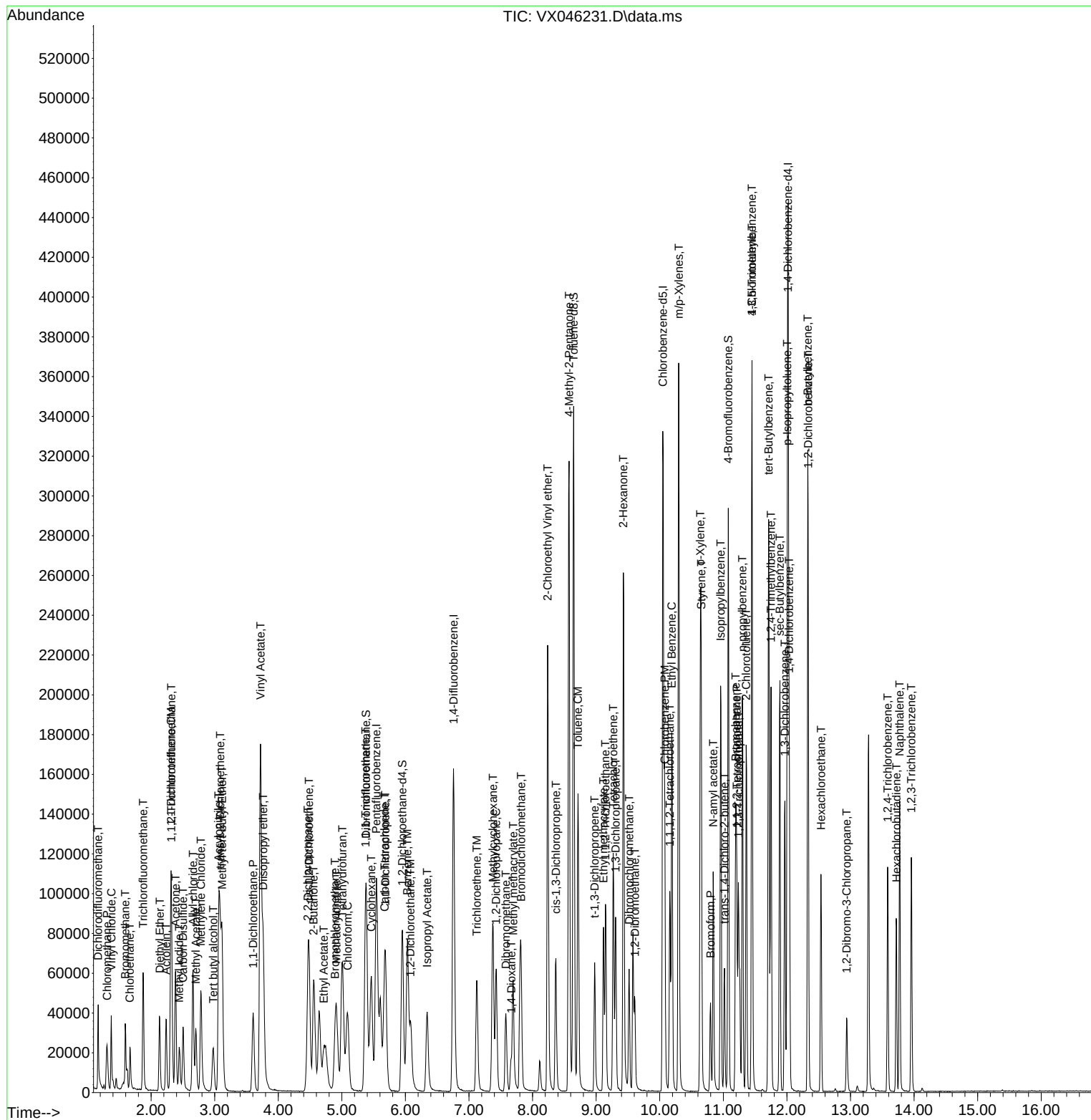
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

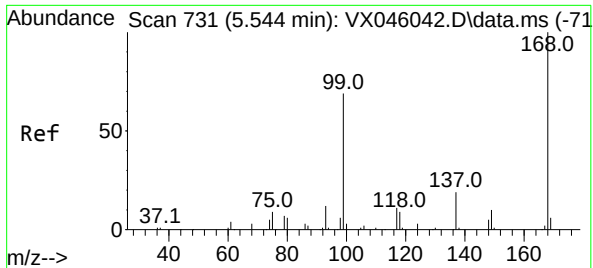
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/19/2025
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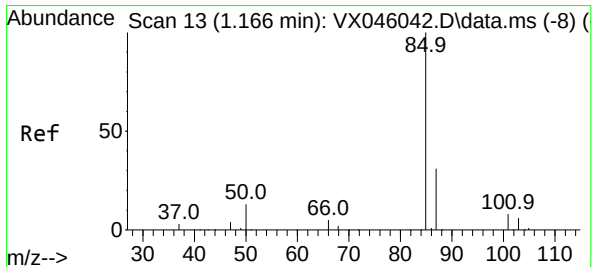
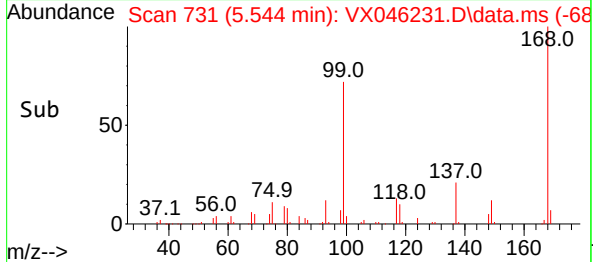
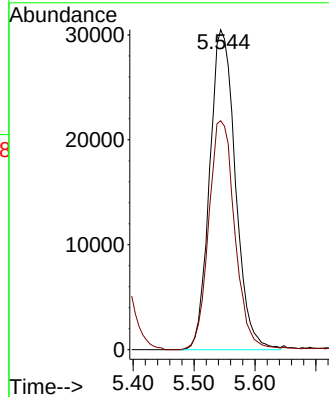
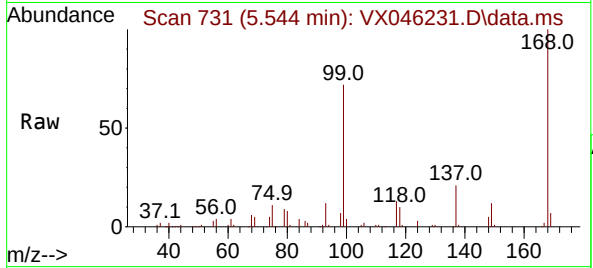
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046231.D
Acq: 16 May 2025 10:36

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tgt Ion:168 Resp: 89369
Ion Ratio Lower Upper
168 100
99 71.5 54.9 82.3

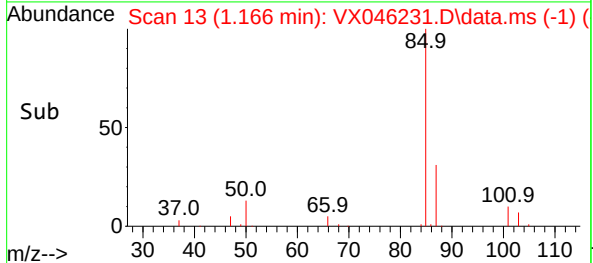
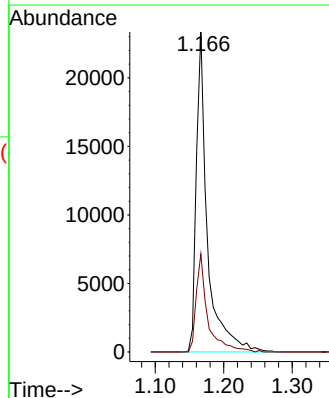
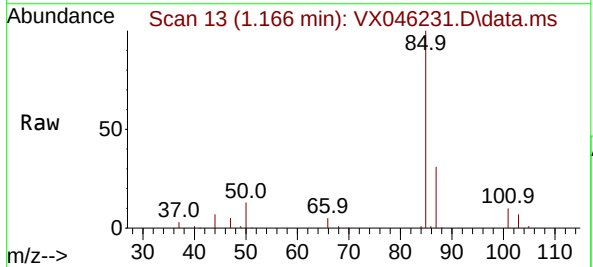
Manual Integrations
APPROVED

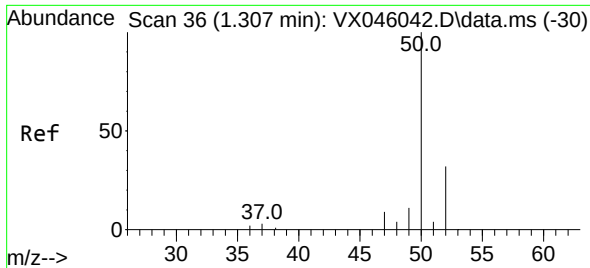
Reviewed By :John Carlone 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#2
Dichlorodifluoromethane
Concen: 19.237 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX046231.D
Acq: 16 May 2025 10:36

Tgt Ion: 85 Resp: 26314
Ion Ratio Lower Upper
85 100
87 30.7 15.7 47.1





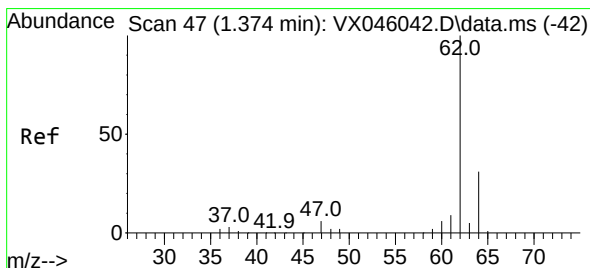
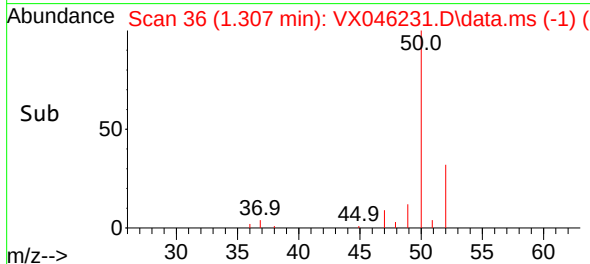
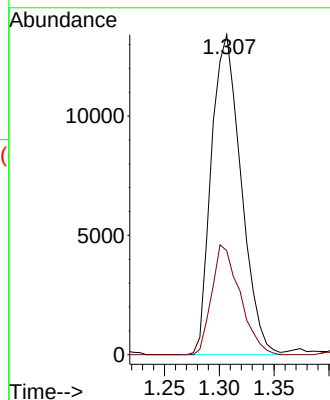
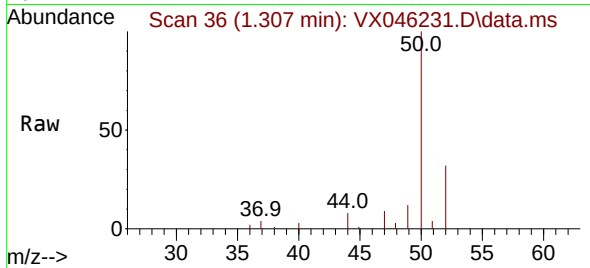
#3
Chloromethane
Concen: 19.058 ug/l
RT: 1.307 min Scan# 30
Delta R.T. 0.000 min
Lab File: VX046231.D
Acq: 16 May 2025 10:36

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tgt Ion: 50 Resp: 25280
Ion Ratio Lower Upper
50 100
52 32.5 25.4 38.2

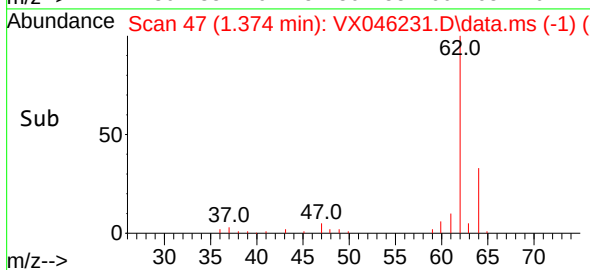
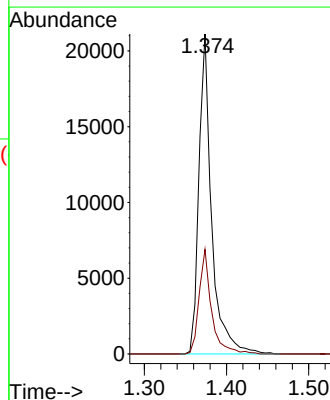
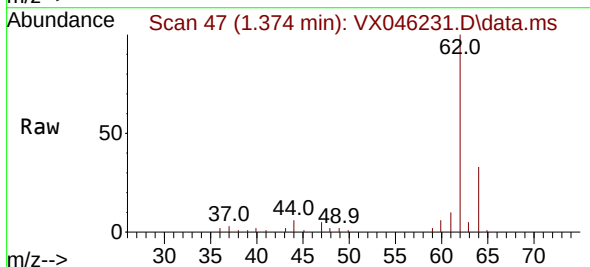
Manual Integrations
APPROVED

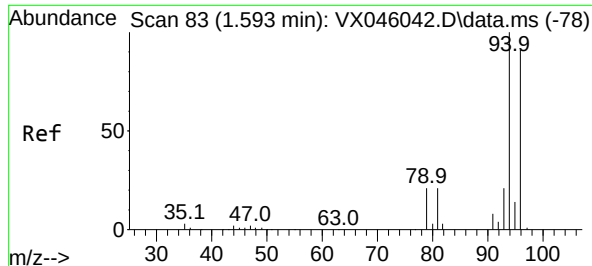
Reviewed By :John Carlone 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#4
Vinyl Chloride
Concen: 18.353 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX046231.D
Acq: 16 May 2025 10:36

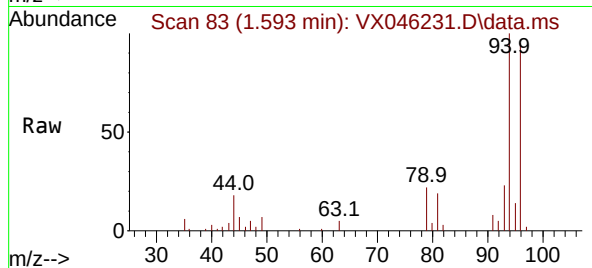
Tgt Ion: 62 Resp: 22657
Ion Ratio Lower Upper
62 100
64 32.7 25.2 37.8





#5
Bromomethane
Concen: 18.220 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX046231.D
Acq: 16 May 2025 10:36

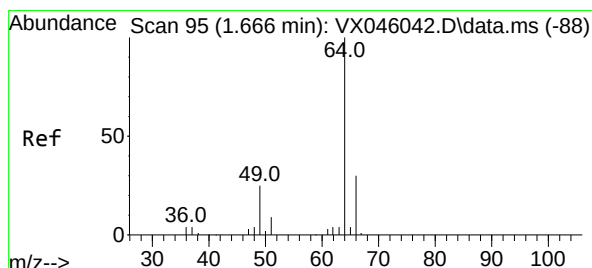
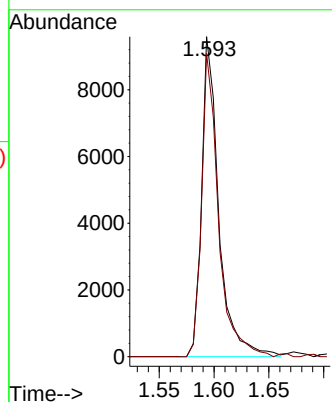
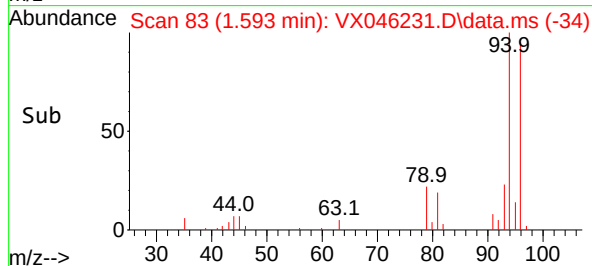
Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01



Tgt Ion: 94 Resp: 1043
Ion Ratio Lower Upper
94 100
96 94.8 72.8 109.2

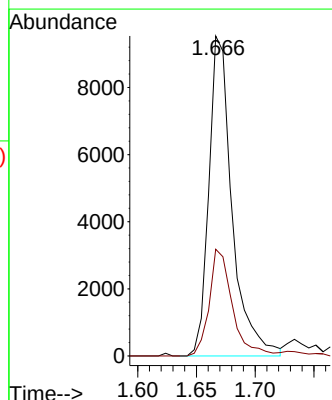
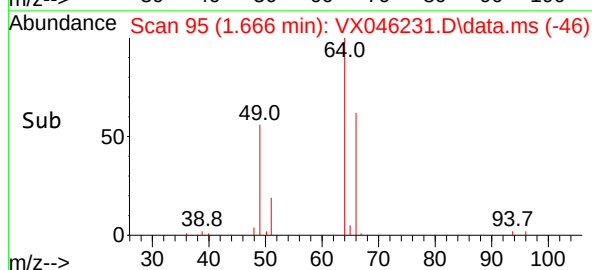
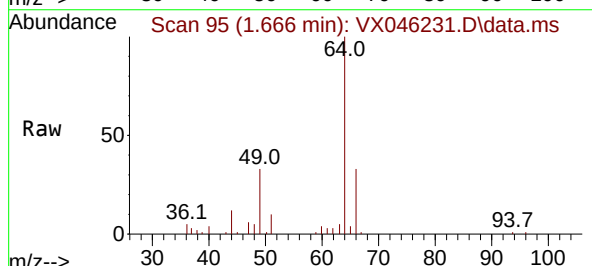
Manual Integrations
APPROVED

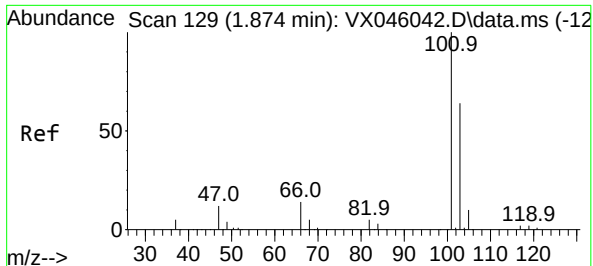
Reviewed By :John Carlone 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#6
Chloroethane
Concen: 19.845 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX046231.D
Acq: 16 May 2025 10:36

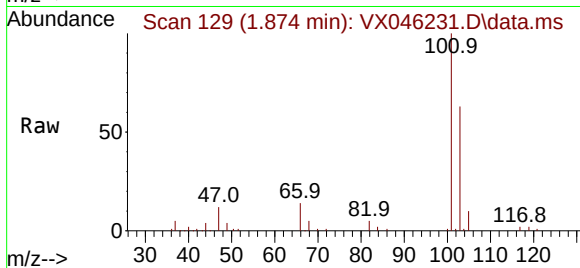
Tgt Ion: 64 Resp: 13079
Ion Ratio Lower Upper
64 100
66 33.3 24.3 36.5





#7
Trichlorofluoromethane
Concen: 19.675 ug/l
RT: 1.874 min Scan# 129
Delta R.T. 0.000 min
Lab File: VX046231.D
Acq: 16 May 2025 10:36

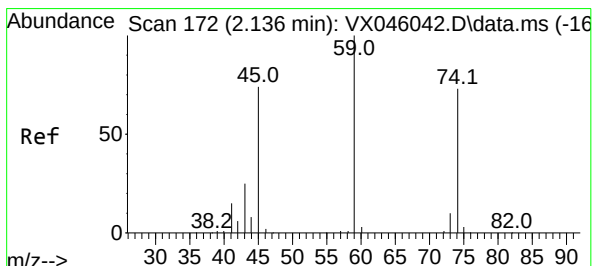
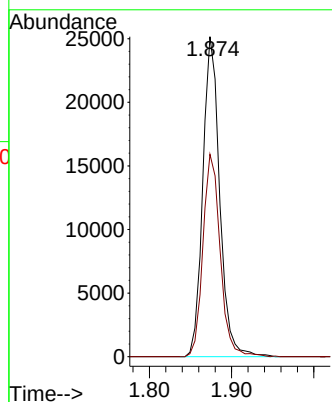
Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01



Tgt Ion:101 Resp: 3589
Ion Ratio Lower Upper
101 100
103 63.3 51.0 76.4

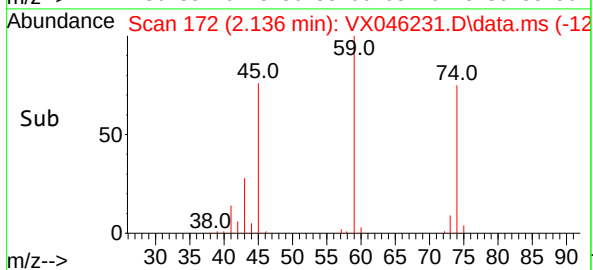
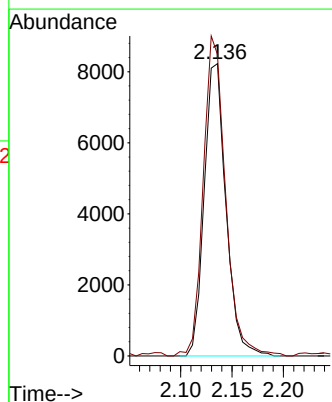
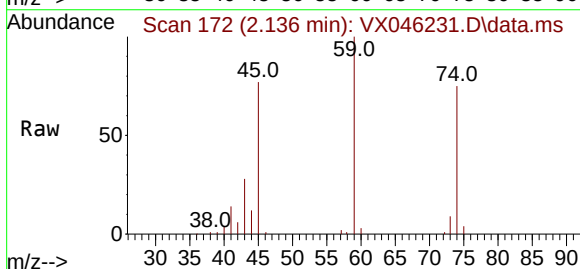
Manual Integrations
APPROVED

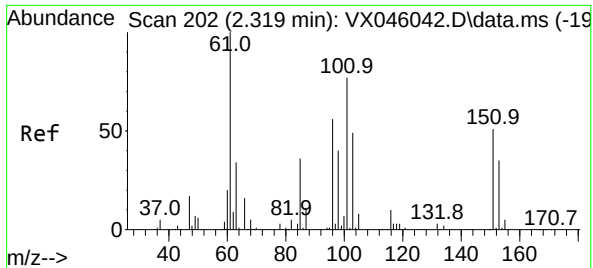
Reviewed By :John Carlone 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#8
Diethyl Ether
Concen: 19.583 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX046231.D
Acq: 16 May 2025 10:36

Tgt Ion: 74 Resp: 12163
Ion Ratio Lower Upper
74 100
45 111.9 54.9 164.8





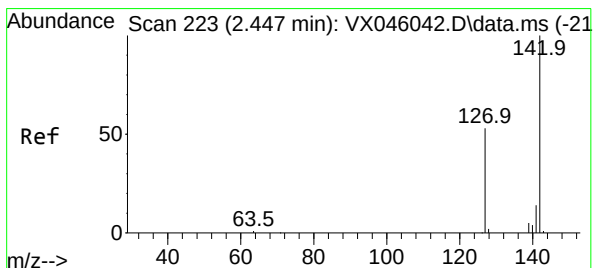
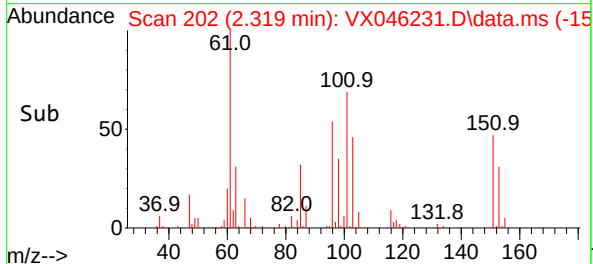
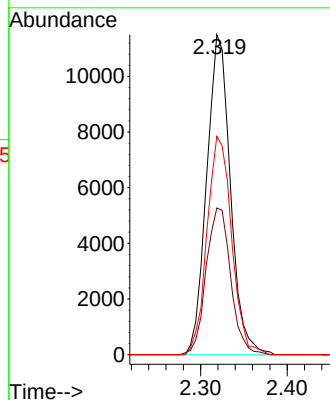
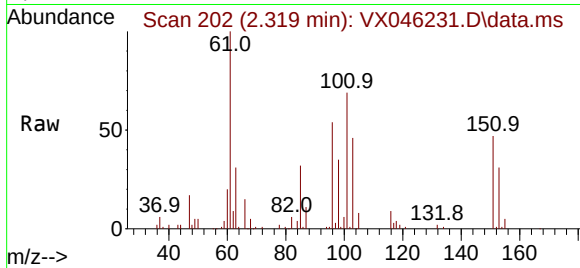
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.393 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.000 min
Lab File: VX046231.D
Acq: 16 May 2025 10:36

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tgt Ion:101 Resp: 2189
Ion Ratio Lower Upper
101 100
85 47.4 38.6 58.0
151 70.8 55.2 82.8

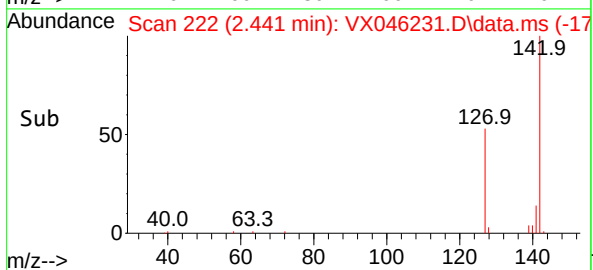
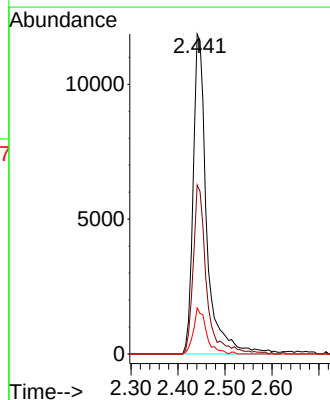
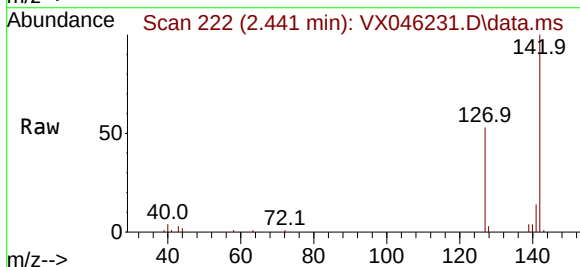
Manual Integrations
APPROVED

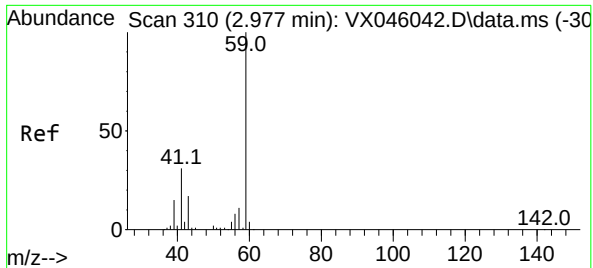
Reviewed By :John Carlone 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#10
Methyl Iodide
Concen: 17.919 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX046231.D
Acq: 16 May 2025 10:36

Tgt Ion:142 Resp: 23941
Ion Ratio Lower Upper
142 100
127 51.8 41.7 62.5
141 13.6 11.5 17.3





#11

Tert butyl alcohol

Concen: 99.417 ug/l

RT: 2.977 min Scan# 310

Delta R.T. 0.000 min

Lab File: VX046231.D

Acq: 16 May 2025 10:36

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

Tgt Ion: 59 Resp: 2325

Ion Ratio Lower Upper

59 100

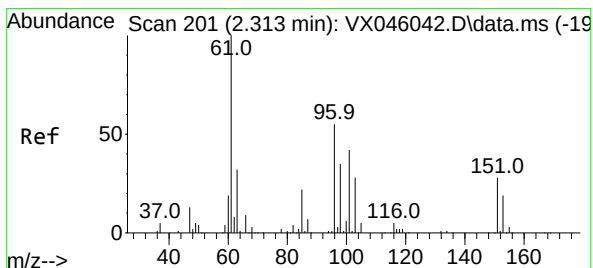
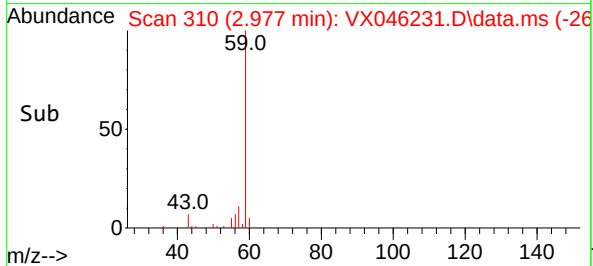
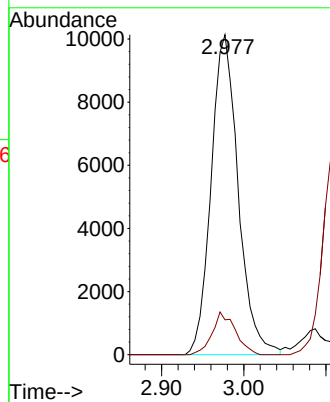
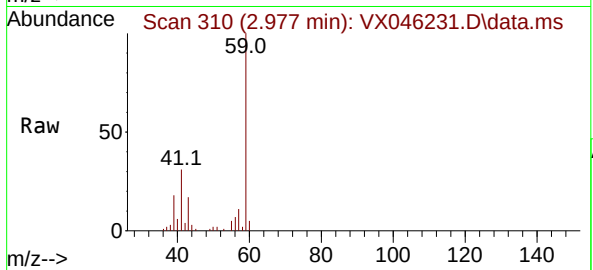
57 11.4 8.6 12.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Semsettin Yesilyurt 05/19/2025



#12

1,1-Dichloroethene

Concen: 18.597 ug/l

RT: 2.313 min Scan# 201

Delta R.T. 0.000 min

Lab File: VX046231.D

Acq: 16 May 2025 10:36

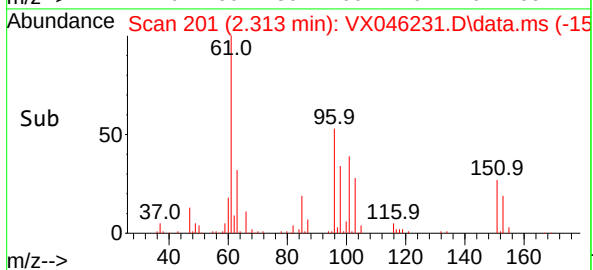
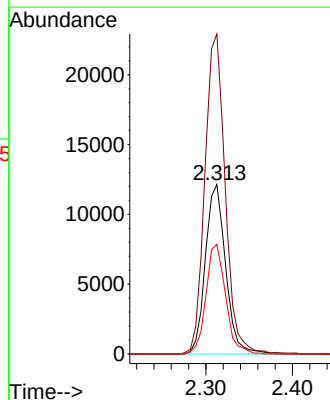
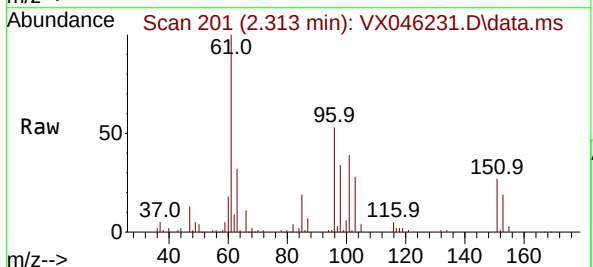
Tgt Ion: 96 Resp: 19707

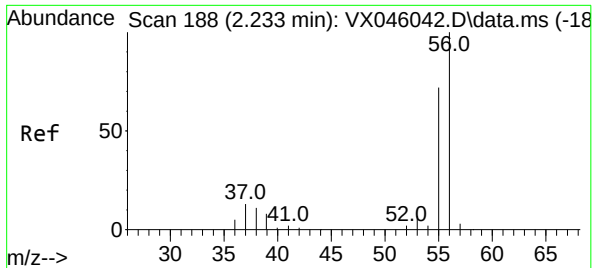
Ion Ratio Lower Upper

96 100

61 188.7 146.2 219.2

98 64.6 51.0 76.6





#13

Acrolein

Concen: 96.589 ug/l

RT: 2.233 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX046231.D

Acq: 16 May 2025 10:36

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

Tgt Ion: 56 Resp: 25720

Ion Ratio Lower Upper

56 100

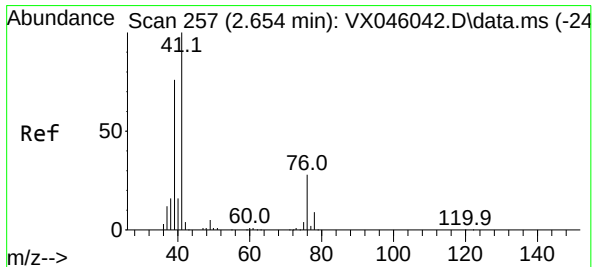
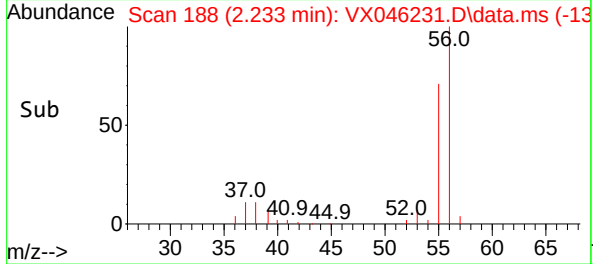
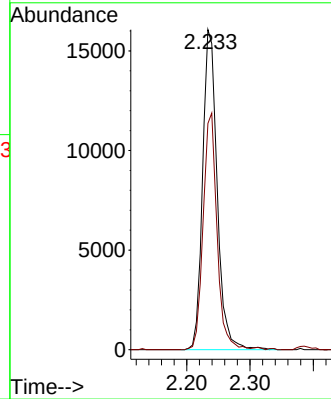
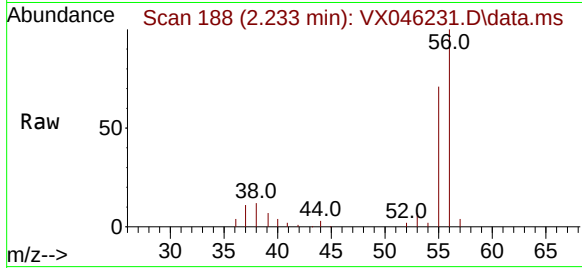
55 70.3 56.2 84.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Semsettin Yesilyurt 05/19/2025



#14

Allyl chloride

Concen: 19.811 ug/l

RT: 2.660 min Scan# 258

Delta R.T. 0.006 min

Lab File: VX046231.D

Acq: 16 May 2025 10:36

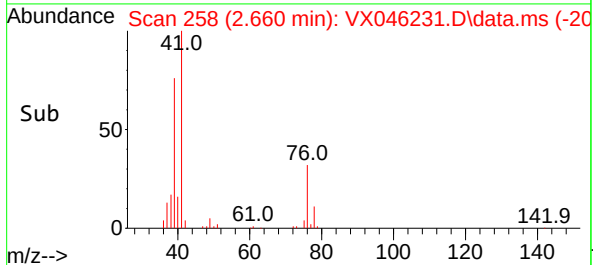
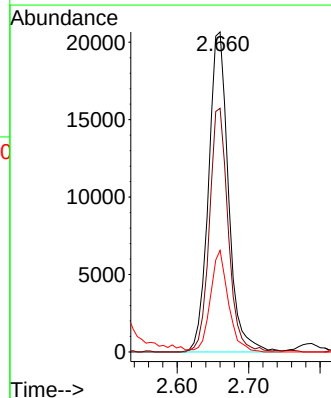
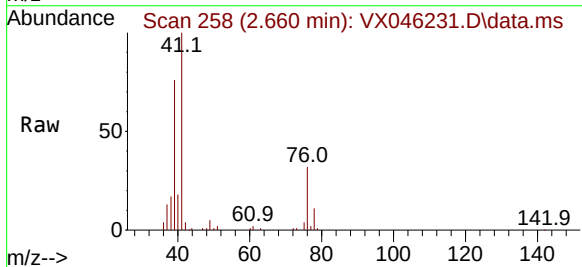
Tgt Ion: 41 Resp: 40122

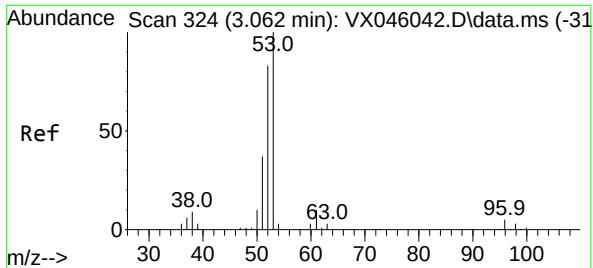
Ion Ratio Lower Upper

41 100

39 71.5 60.6 90.8

76 28.4 24.9 37.3





#15

Acrylonitrile

Concen: 104.114 ug/l

RT: 3.062 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX046231.D

Acq: 16 May 2025 10:36

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

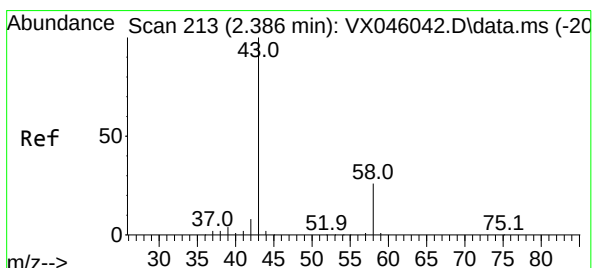
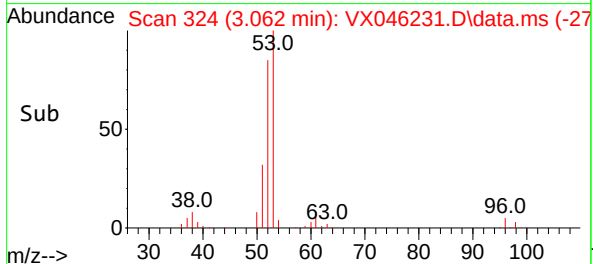
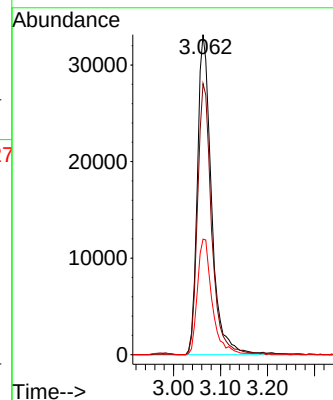
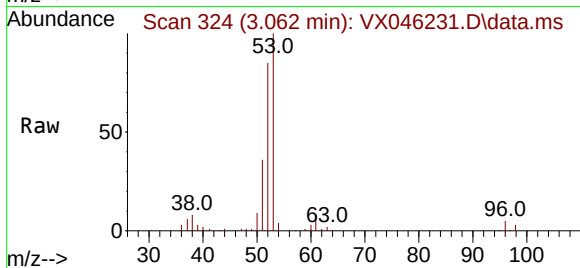
Tgt Ion:	53	Resp:	69620
Ion Ratio	Lower	Upper	
53	100		
52	84.0	65.3	97.9
51	37.7	29.8	44.8

Manual Integrations

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Reviewed By :John Carlone 05/19/2025

Supervised By :Semsettin Yesilyurt 05/19/2025



#16

Acetone

Concen: 99.012 ug/l

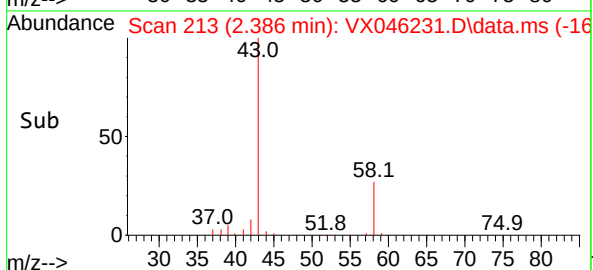
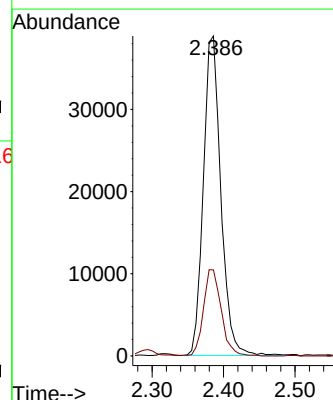
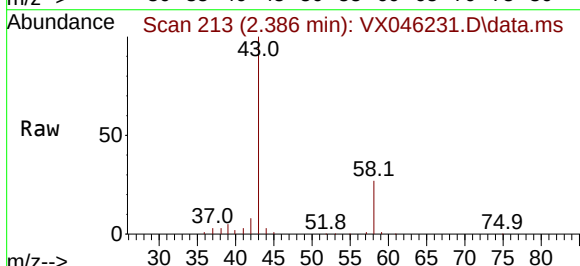
RT: 2.386 min Scan# 213

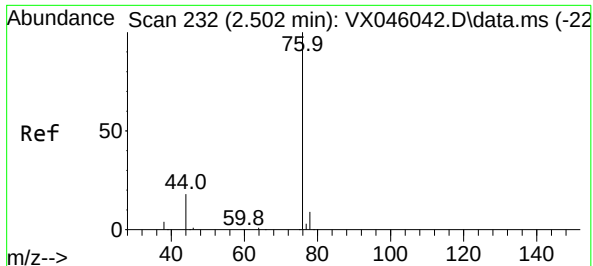
Delta R.T. 0.000 min

Lab File: VX046231.D

Acq: 16 May 2025 10:36

Tgt Ion:	43	Resp:	66144
Ion Ratio	Lower	Upper	
43	100		
58	27.0	21.2	31.8





#17

Carbon Disulfide

Concen: 15.682 ug/l

RT: 2.502 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX046231.D

Acq: 16 May 2025 10:36

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

Tgt Ion: 76 Resp: 39398

Ion Ratio Lower Upper

76 100

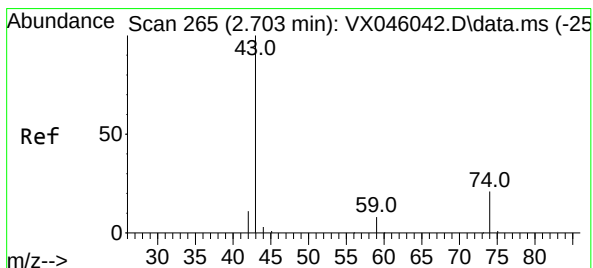
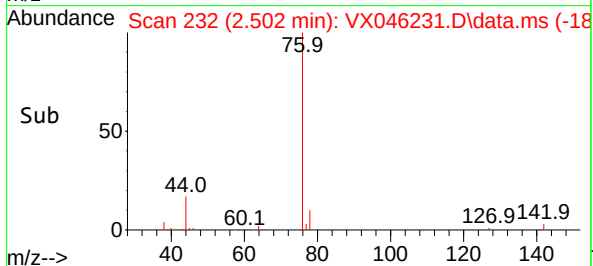
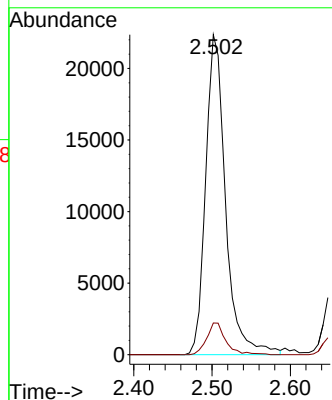
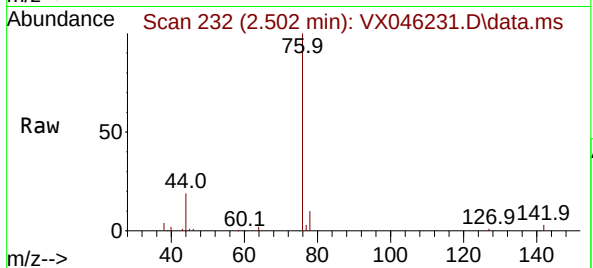
78 9.9 7.0 10.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Semsettin Yesilyurt 05/19/2025



#18

Methyl Acetate

Concen: 23.325 ug/l

RT: 2.703 min Scan# 265

Delta R.T. 0.000 min

Lab File: VX046231.D

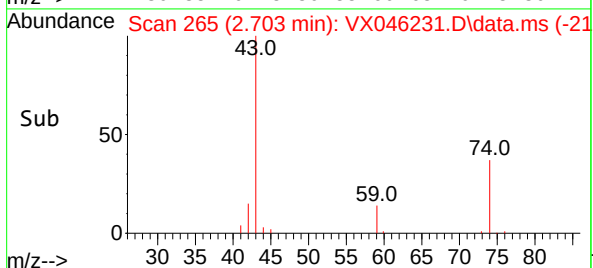
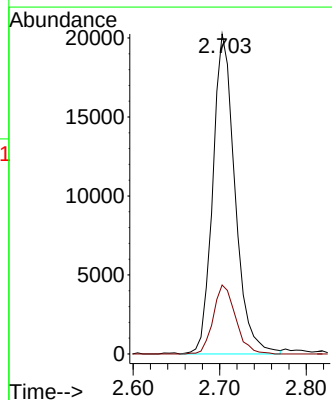
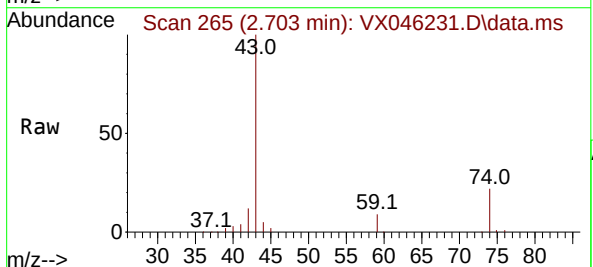
Acq: 16 May 2025 10:36

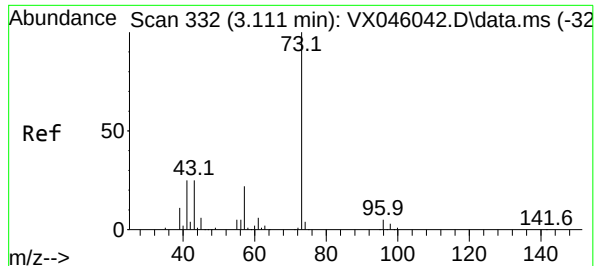
Tgt Ion: 43 Resp: 36158

Ion Ratio Lower Upper

43 100

74 21.6 16.7 25.1





#19

Methyl tert-butyl Ether

Concen: 20.027 ug/l

RT: 3.117 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX046231.D

Acq: 16 May 2025 10:36

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

Tgt Ion: 73 Resp: 74404

Ion Ratio Lower Upper

73 100

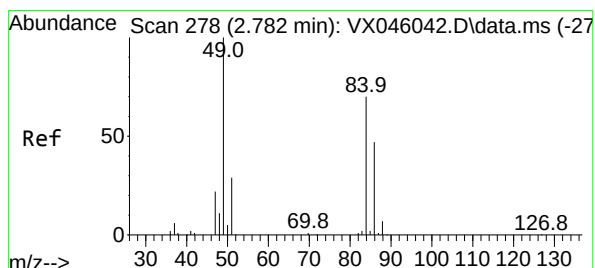
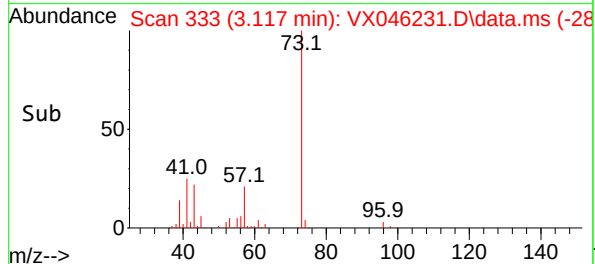
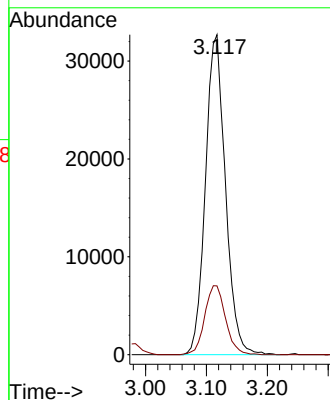
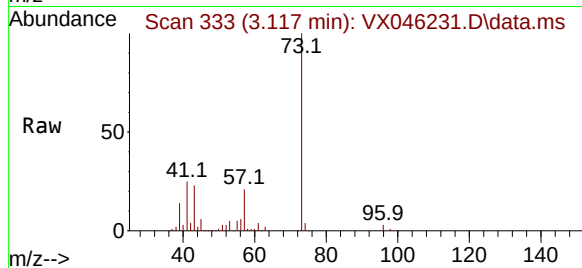
57 21.5 17.7 26.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Semsettin Yesilyurt 05/19/2025



#20

Methylene Chloride

Concen: 18.676 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.000 min

Lab File: VX046231.D

Acq: 16 May 2025 10:36

Tgt Ion: 84 Resp: 23908

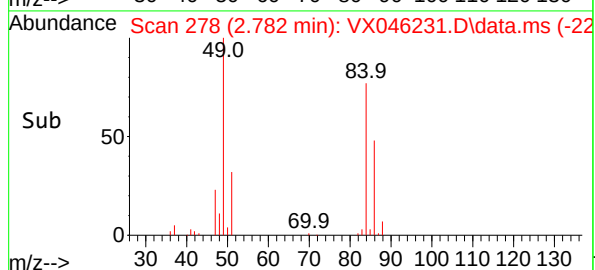
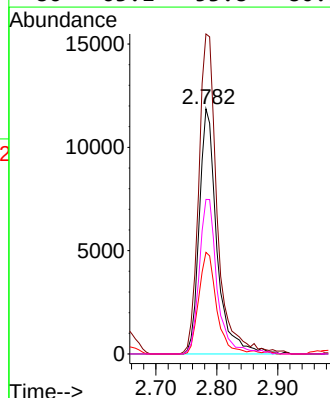
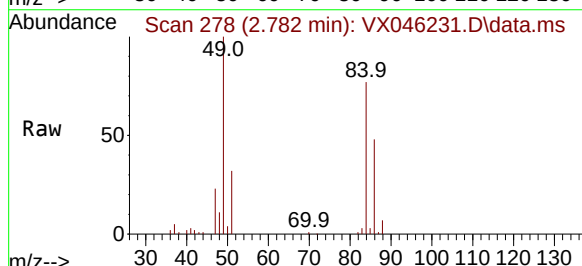
Ion Ratio Lower Upper

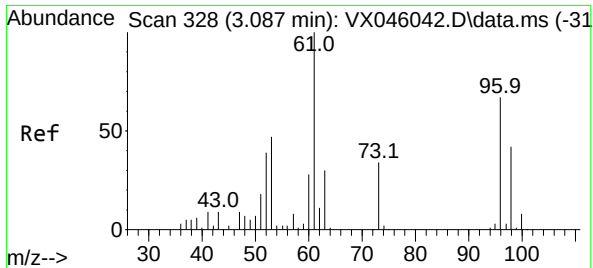
84 100

49 130.6 113.9 170.9

51 41.5 33.5 50.3

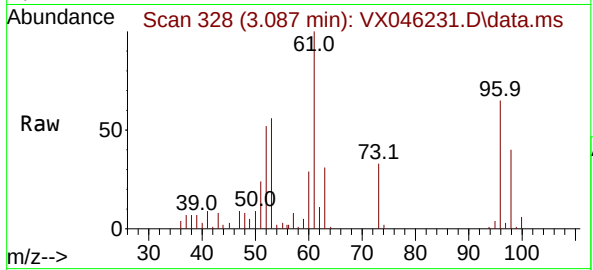
86 63.1 53.8 80.8





#21
trans-1,2-Dichloroethene
Concen: 18.827 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX046231.D
Acq: 16 May 2025 10:36

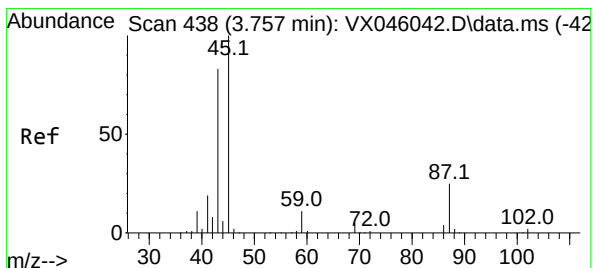
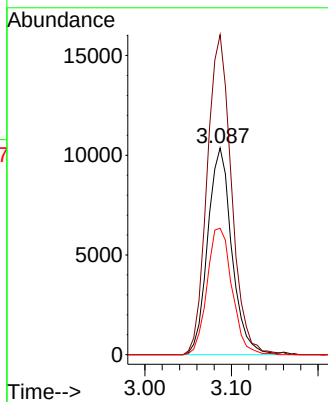
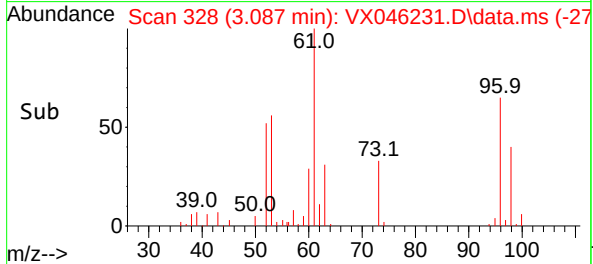
Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01



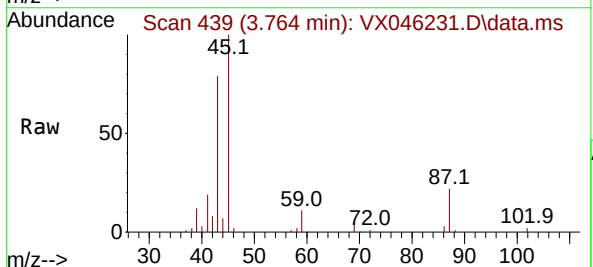
Tgt Ion: 96 Resp: 20064
Ion Ratio Lower Upper
96 100
61 154.8 119.5 179.3
98 61.2 50.0 75.0

Manual Integrations
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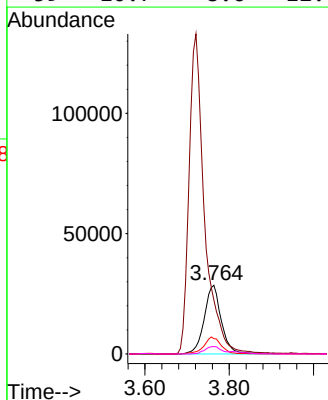
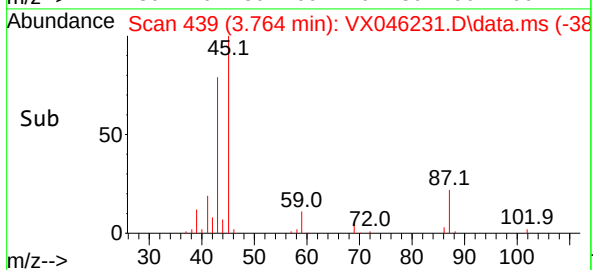
Reviewed By :John Carlone 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

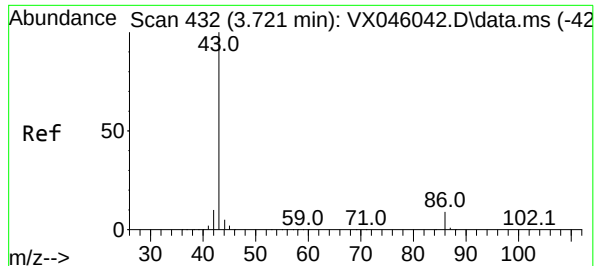


#22
Diisopropyl ether
Concen: 20.629 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX046231.D
Acq: 16 May 2025 10:36



Tgt Ion: 45 Resp: 80701
Ion Ratio Lower Upper
45 100
43 77.4 66.6 100.0
87 22.4 19.8 29.6
59 10.7 8.6 12.8





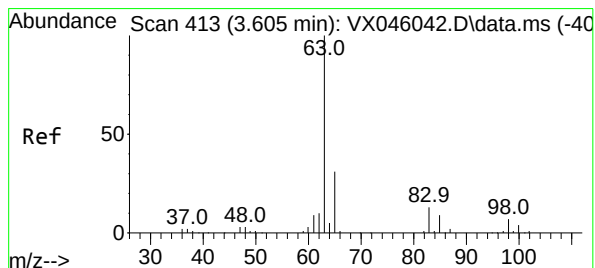
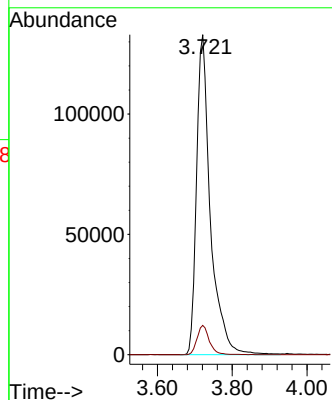
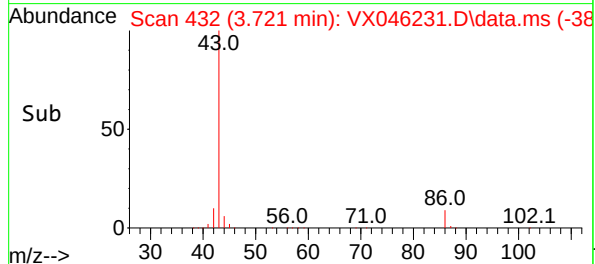
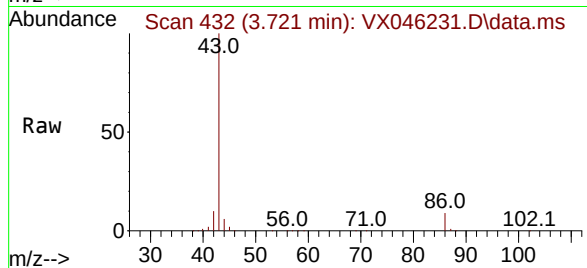
#23
Vinyl Acetate
Concen: 99.352 ug/l
RT: 3.721 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX046231.D
Acq: 16 May 2025 10:36

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tgt Ion: 43 Resp: 34185
Ion Ratio Lower Upper
43 100
86 9.2 7.5 11.3

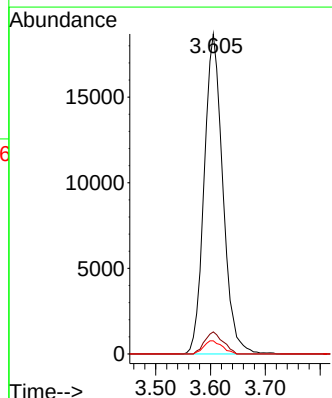
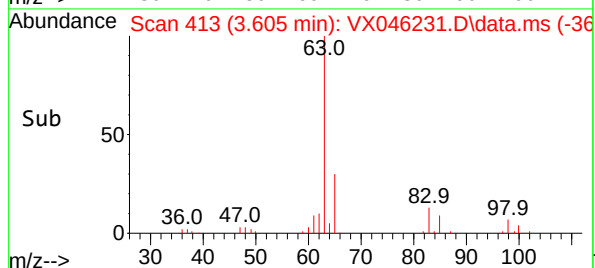
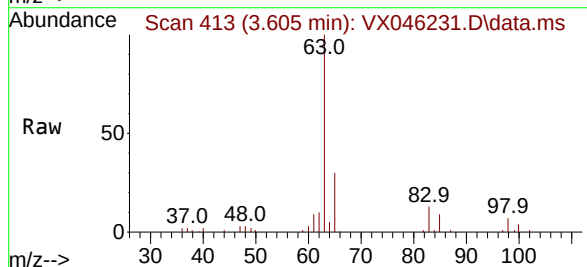
Manual Integrations
APPROVED

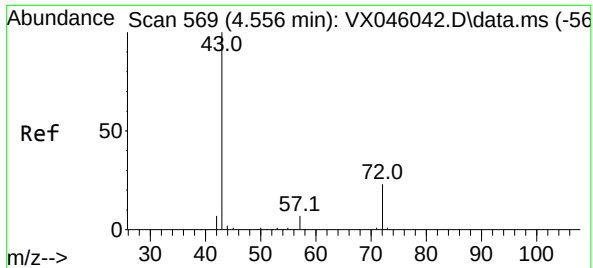
Reviewed By :John Carlone 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#24
1,1-Dichloroethane
Concen: 20.207 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX046231.D
Acq: 16 May 2025 10:36

Tgt Ion: 63 Resp: 44031
Ion Ratio Lower Upper
63 100
98 6.9 3.6 10.8
100 4.1 2.1 6.3





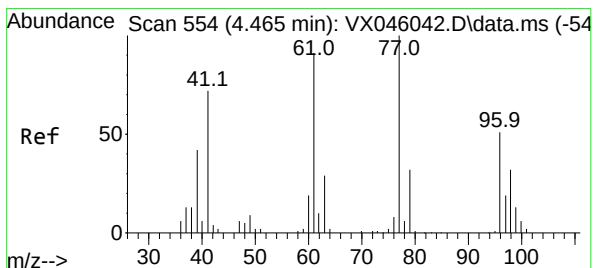
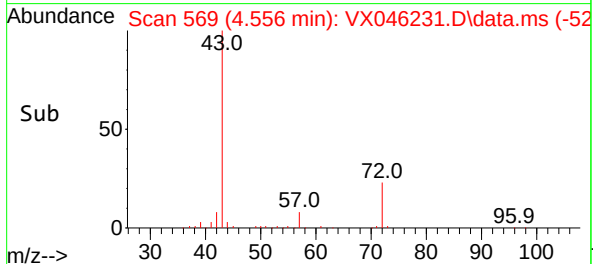
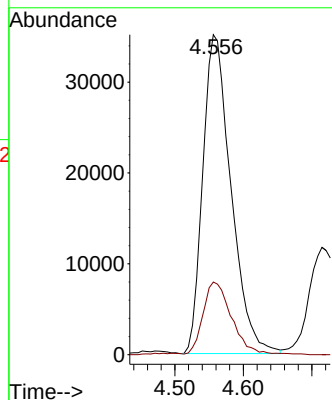
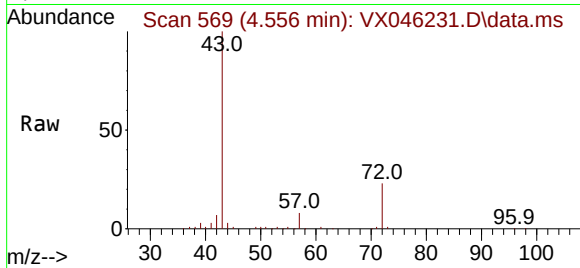
#25
2-Butanone
Concen: 103.585 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.000 min
Lab File: VX046231.D
Acq: 16 May 2025 10:36

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tgt Ion: 43 Resp: 100462
Ion Ratio Lower Upper
43 100
72 22.4 18.4 27.6

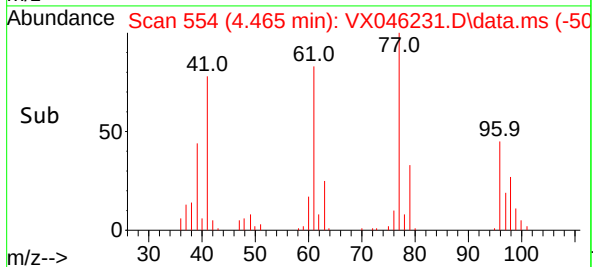
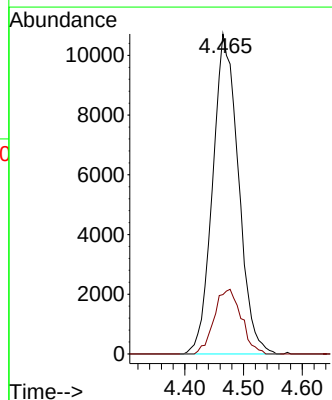
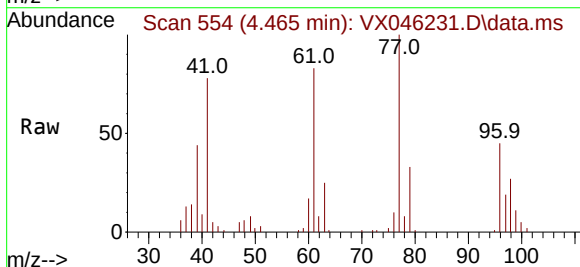
Manual Integrations
APPROVED

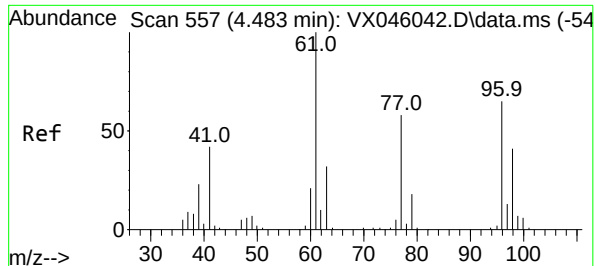
Reviewed By :John Carlone 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#26
2,2-Dichloropropane
Concen: 19.126 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX046231.D
Acq: 16 May 2025 10:36

Tgt Ion: 77 Resp: 32619
Ion Ratio Lower Upper
77 100
97 21.3 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 19.522 ug/l

RT: 4.483 min Scan# 557

Delta R.T. 0.000 min

Lab File: VX046231.D

Acq: 16 May 2025 10:36

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

Tgt Ion: 96 Resp: 2504

Ion Ratio Lower Upper

96 100

61 162.2 0.0 322.8

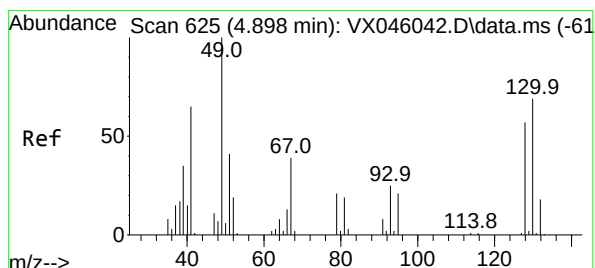
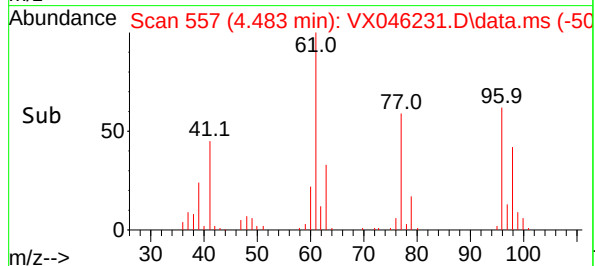
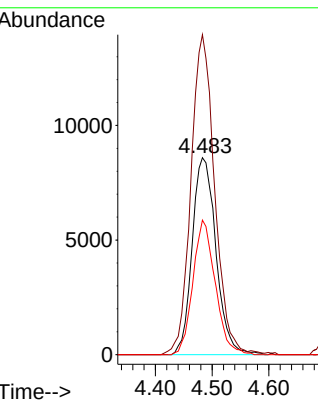
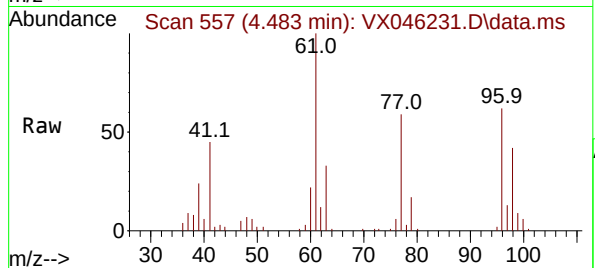
98 64.1 0.0 129.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Semsettin Yesilyurt 05/19/2025



#28

Bromochloromethane

Concen: 19.095 ug/l

RT: 4.891 min Scan# 624

Delta R.T. -0.006 min

Lab File: VX046231.D

Acq: 16 May 2025 10:36

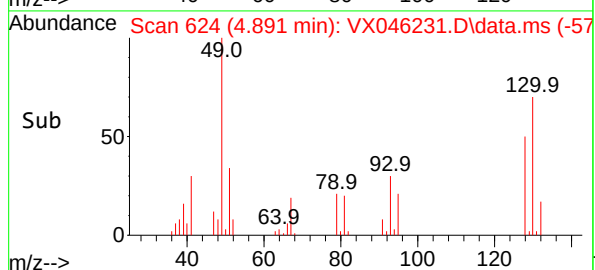
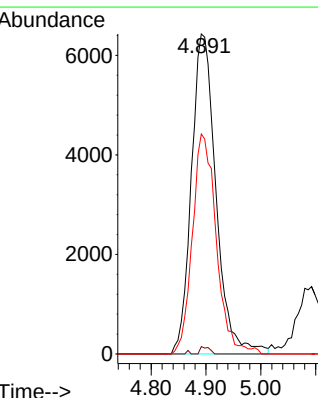
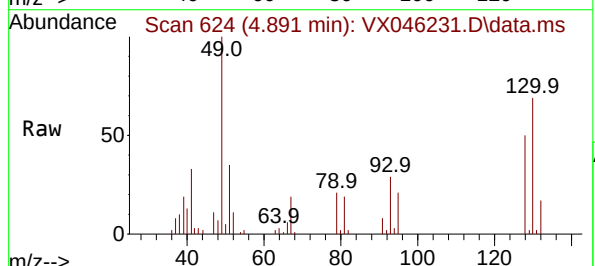
Tgt Ion: 49 Resp: 20027

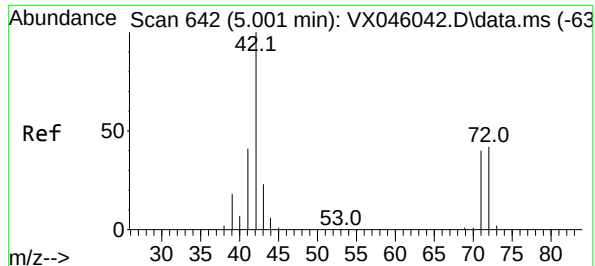
Ion Ratio Lower Upper

49 100

129 0.8 0.0 4.0

130 66.7 56.2 84.2





#29

Tetrahydrofuran

Concen: 102.509 ug/l

RT: 5.007 min Scan# 642

Delta R.T. 0.006 min

Lab File: VX046231.D

Acq: 16 May 2025 10:36

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

Tgt Ion: 42 Resp: 62298

Ion Ratio Lower Upper

42 100

72 42.4 33.7 50.5

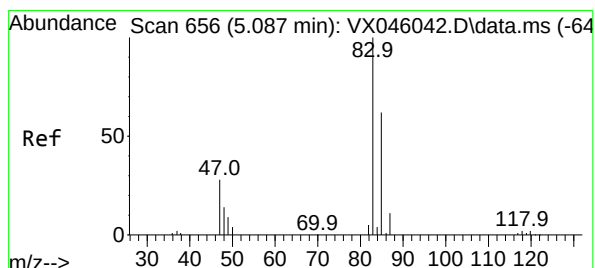
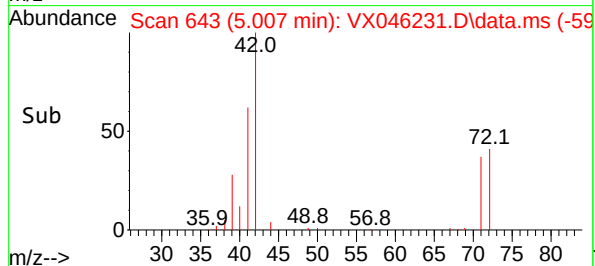
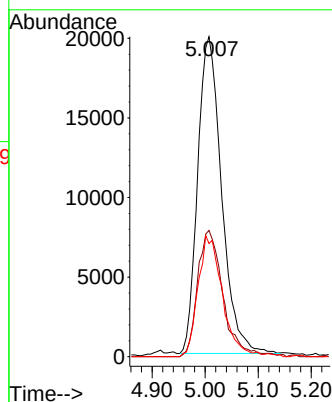
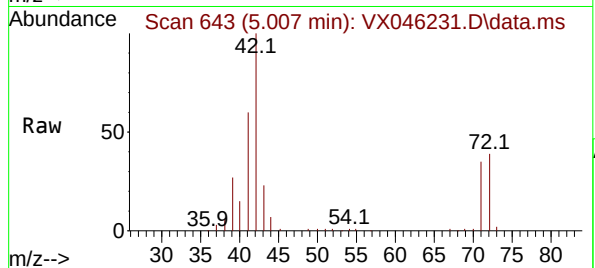
71 38.9 31.4 47.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Semsettin Yesilyurt 05/19/2025



#30

Chloroform

Concen: 20.200 ug/l

RT: 5.093 min Scan# 657

Delta R.T. 0.006 min

Lab File: VX046231.D

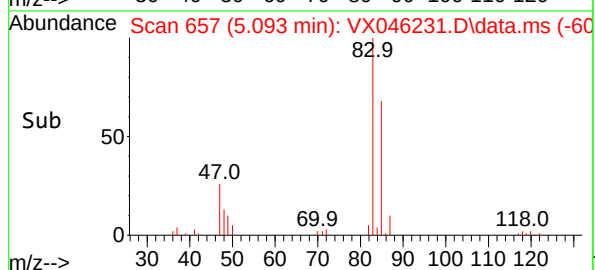
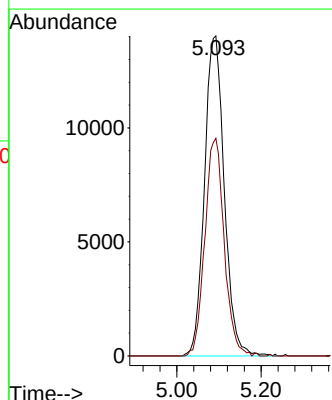
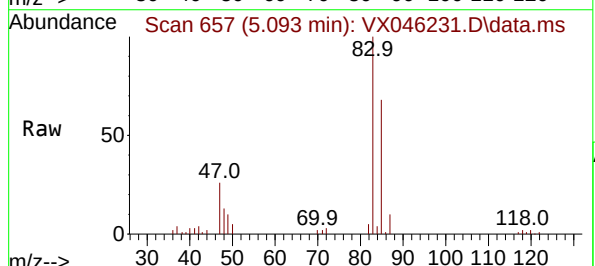
Acq: 16 May 2025 10:36

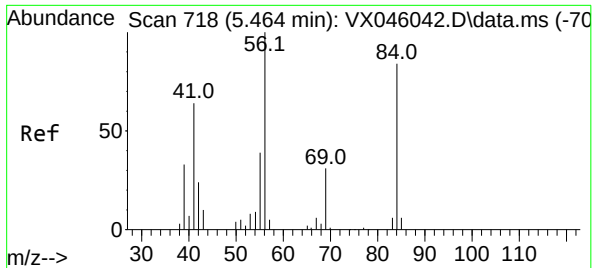
Tgt Ion: 83 Resp: 45878

Ion Ratio Lower Upper

83 100

85 68.0 49.3 73.9





#31

Cyclohexane

Concen: 18.467 ug/l

RT: 5.465 min Scan# 718

Delta R.T. 0.000 min

Lab File: VX046231.D

Acq: 16 May 2025 10:36

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

Tgt Ion: 56 Resp: 3666

Ion Ratio Lower Upper

56 100

69 31.0 24.4 36.6

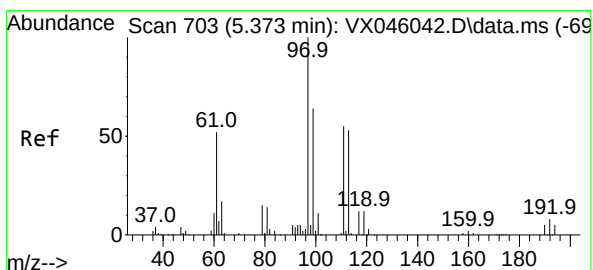
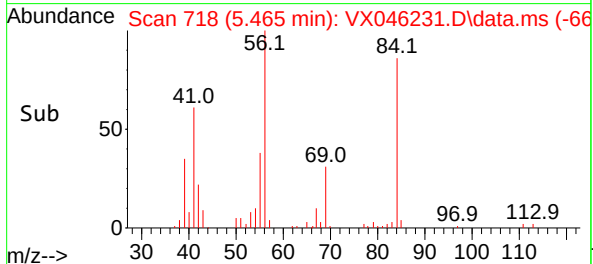
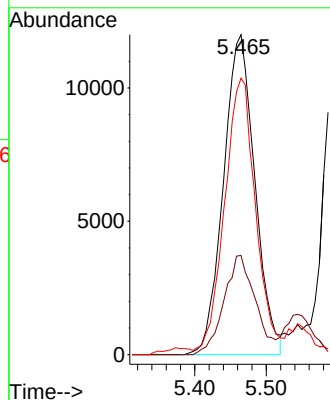
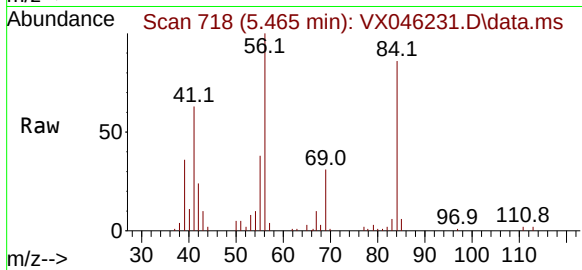
84 84.5 66.9 100.3

Manual Integrations

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Reviewed By :John Carlone 05/19/2025

Supervised By :Semsettin Yesilyurt 05/19/2025



#32

1,1,1-Trichloroethane

Concen: 20.139 ug/l

RT: 5.373 min Scan# 703

Delta R.T. 0.000 min

Lab File: VX046231.D

Acq: 16 May 2025 10:36

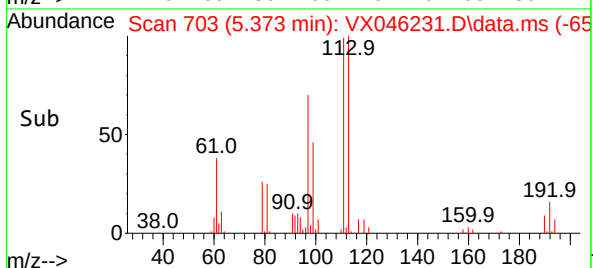
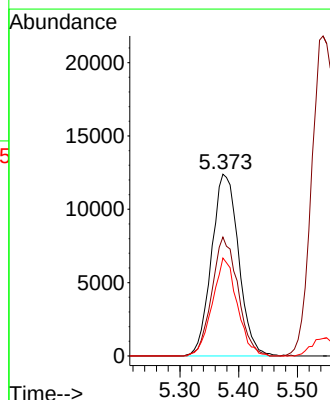
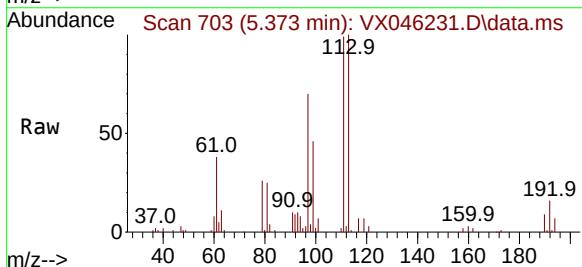
Tgt Ion: 97 Resp: 39648

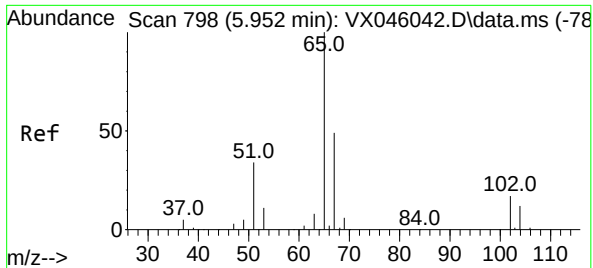
Ion Ratio Lower Upper

97 100

99 62.7 51.8 77.6

61 49.5 40.1 60.1





#33

1,2-Dichloroethane-d4

Concen: 49.894 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX046231.D

Acq: 16 May 2025 10:36

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

Tgt Ion: 65 Resp: 83130

Ion Ratio Lower Upper

65 100

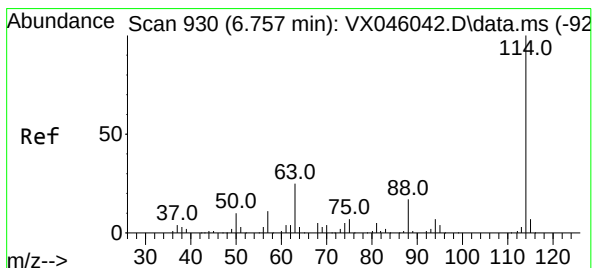
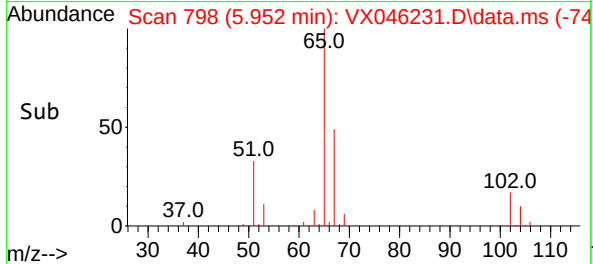
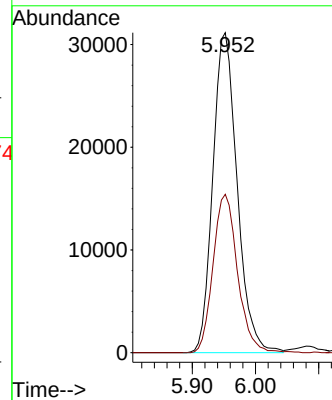
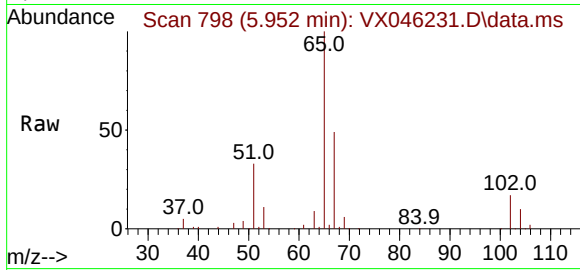
67 49.9 0.0 99.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Semsettin Yesilyurt 05/19/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX046231.D

Acq: 16 May 2025 10:36

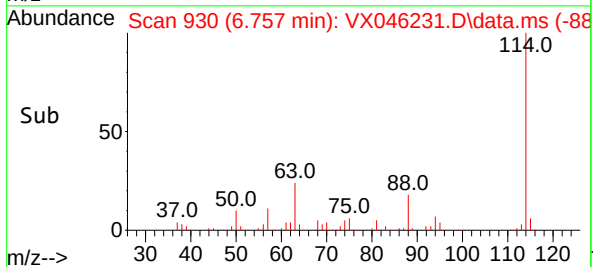
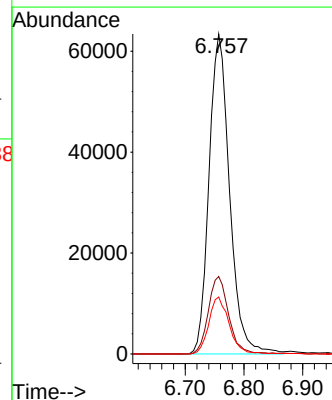
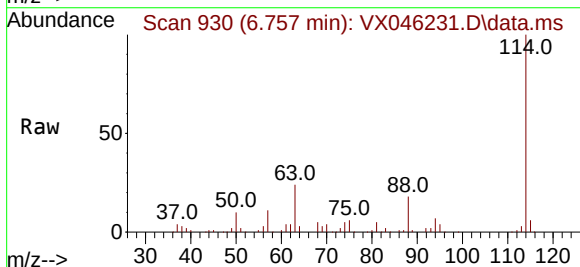
Tgt Ion:114 Resp: 154326

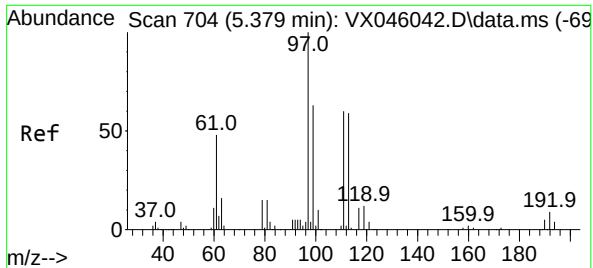
Ion Ratio Lower Upper

114 100

63 24.2 0.0 49.2

88 17.8 0.0 33.6





#35

Dibromofluoromethane

Concen: 51.732 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX046231.D

Acq: 16 May 2025 10:36

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

Tgt Ion:113 Resp: 57490

Ion Ratio Lower Upper

113 100

111 101.8 83.1 124.7

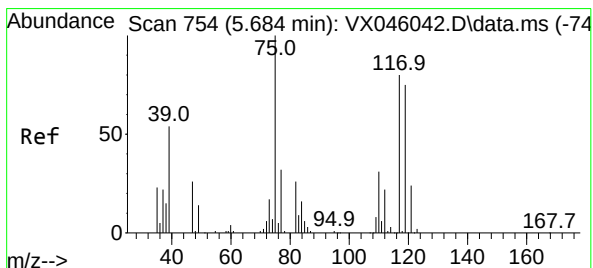
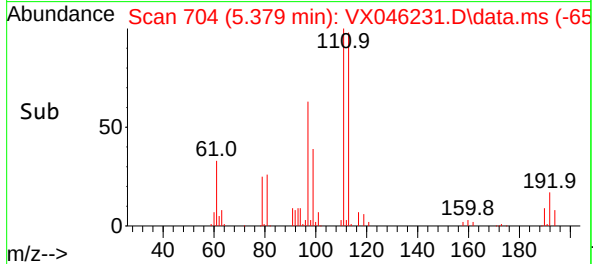
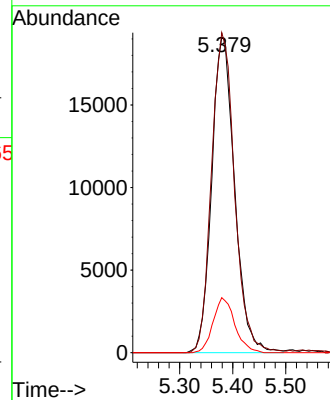
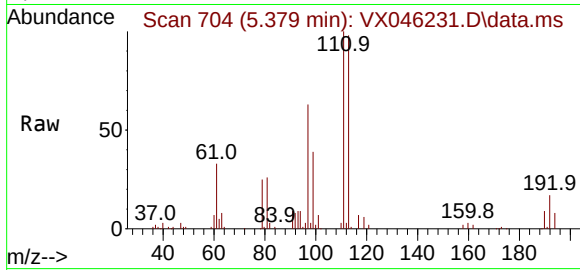
192 16.5 13.3 19.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Semsettin Yesilyurt 05/19/2025



#36

1,1-Dichloropropene

Concen: 19.565 ug/l

RT: 5.684 min Scan# 754

Delta R.T. 0.000 min

Lab File: VX046231.D

Acq: 16 May 2025 10:36

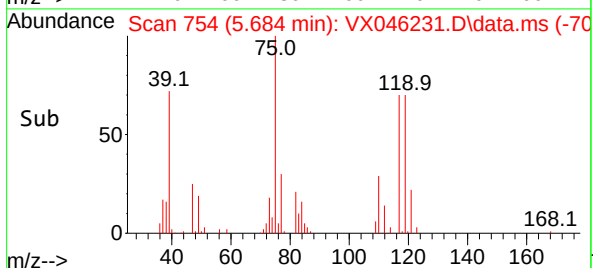
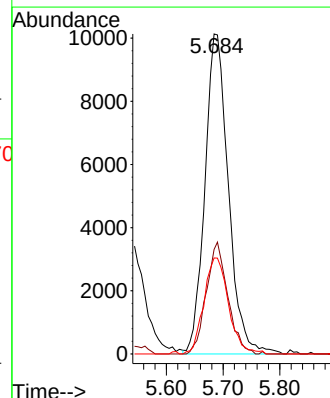
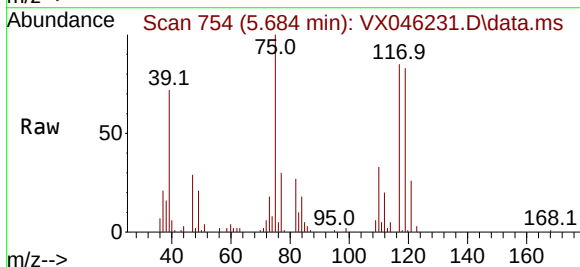
Tgt Ion: 75 Resp: 29214

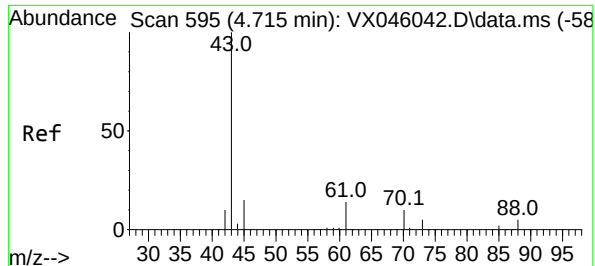
Ion Ratio Lower Upper

75 100

110 31.9 16.3 48.9

77 31.3 24.3 36.5





#37

Ethyl Acetate

Concen: 18.830 ug/l

RT: 4.715 min Scan# 595

Delta R.T. 0.000 min

Lab File: VX046231.D

Acq: 16 May 2025 10:36

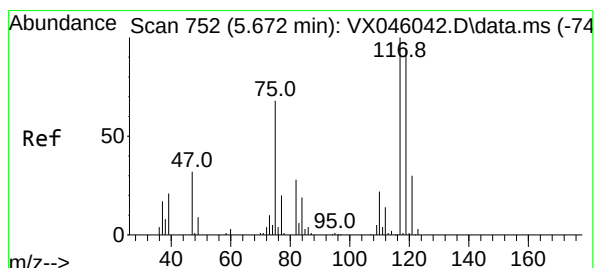
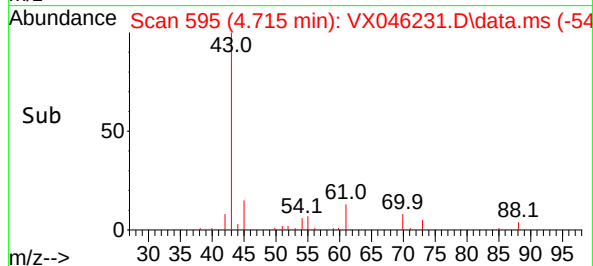
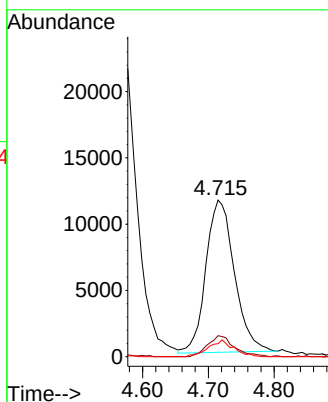
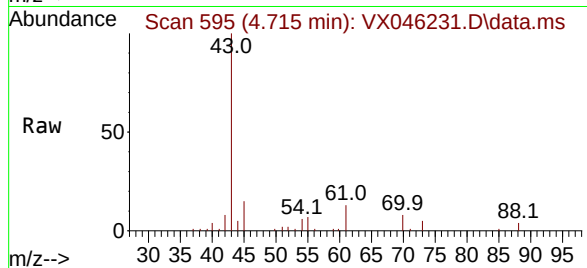
Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

Tgt Ion:	43	Resp:	3473
Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.3	15.5
70	9.5	7.9	11.9

Manual Integrations
APPROVEDReviewed By :John Carlone 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

#38

Carbon Tetrachloride

Concen: 19.713 ug/l

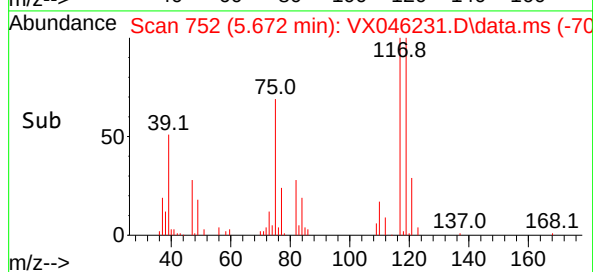
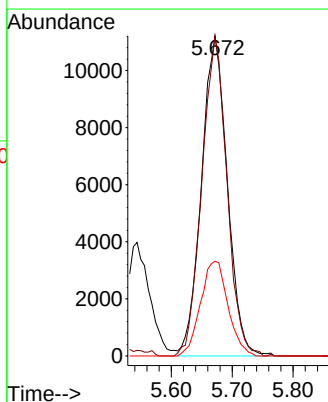
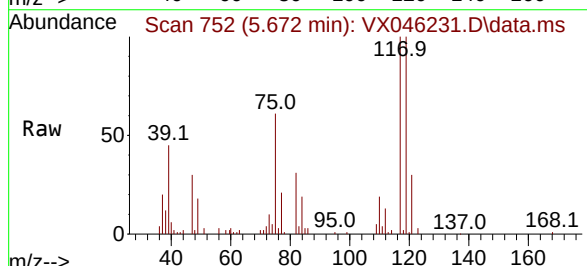
RT: 5.672 min Scan# 752

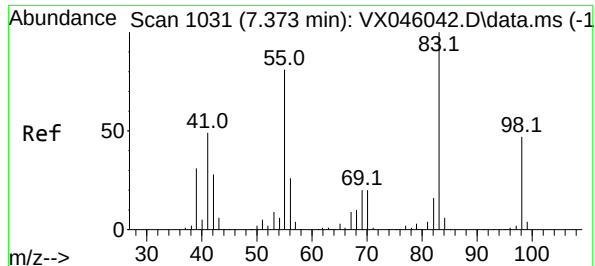
Delta R.T. 0.000 min

Lab File: VX046231.D

Acq: 16 May 2025 10:36

Tgt Ion:	117	Resp:	33073
Ion	Ratio	Lower	Upper
117	100		
119	99.8	75.2	112.8
121	29.6	24.2	36.4





#39

Methylcyclohexane

Concen: 18.463 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. 0.006 min

Lab File: VX046231.D

Acq: 16 May 2025 10:36

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

Tgt Ion: 83 Resp: 3549

Ion Ratio Lower Upper

83 100

55 78.9 64.7 97.1

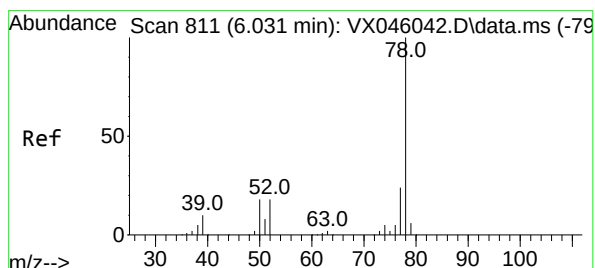
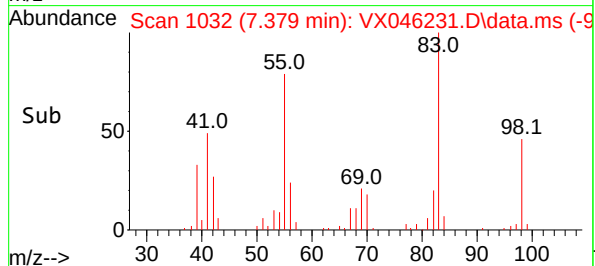
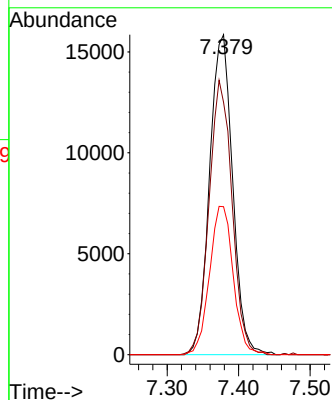
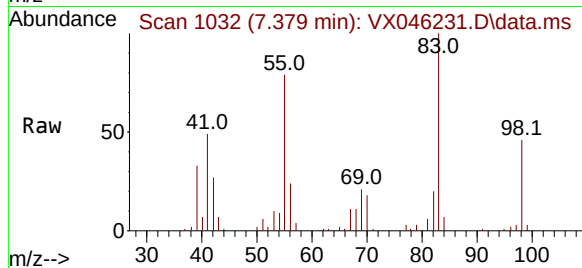
98 46.3 37.4 56.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Semsettin Yesilyurt 05/19/2025



#40

Benzene

Concen: 20.128 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX046231.D

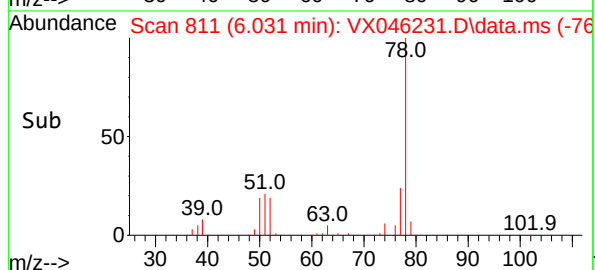
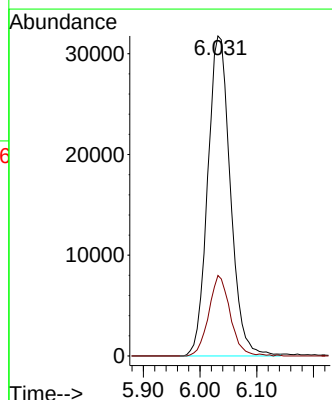
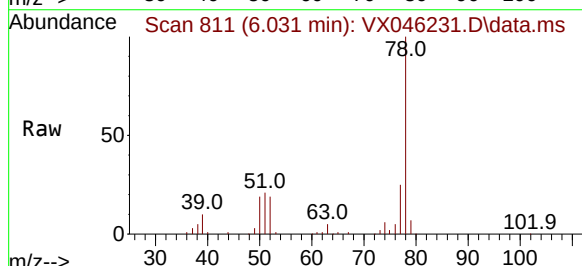
Acq: 16 May 2025 10:36

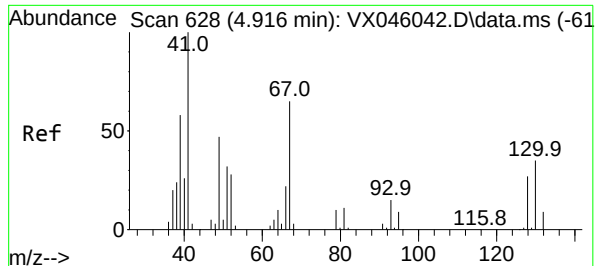
Tgt Ion: 78 Resp: 88032

Ion Ratio Lower Upper

78 100

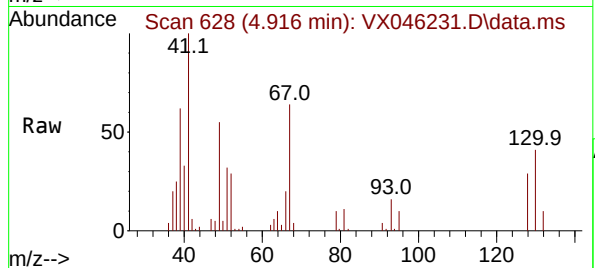
77 25.1 19.0 28.4





#41
Methacrylonitrile
Concen: 20.997 ug/l
RT: 4.916 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX046231.D
Acq: 16 May 2025 10:36

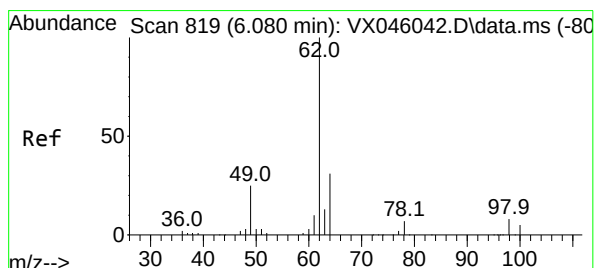
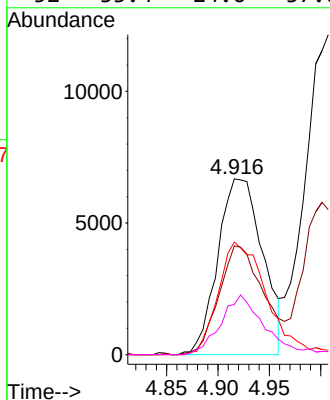
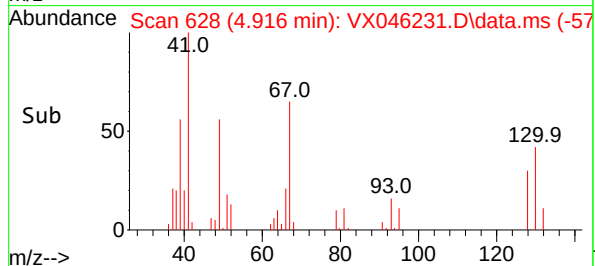
Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01



Tgt Ion: 41 Resp: 2026
Ion Ratio Lower Upper
41 100
39 62.3 47.2 70.8
67 69.8 50.7 76.1
52 33.4 24.6 37.0

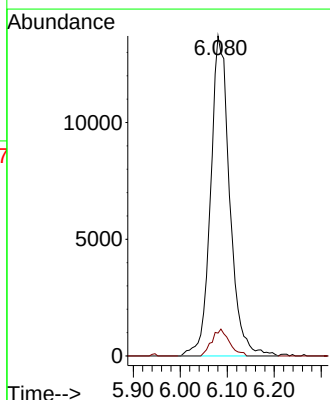
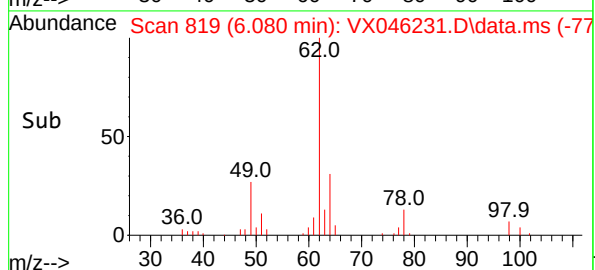
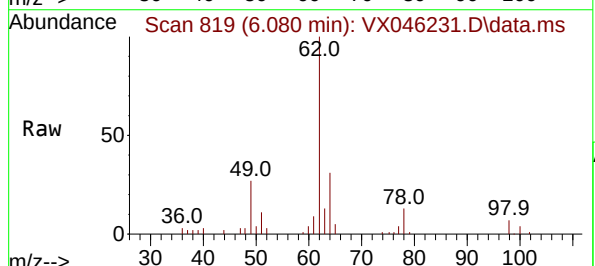
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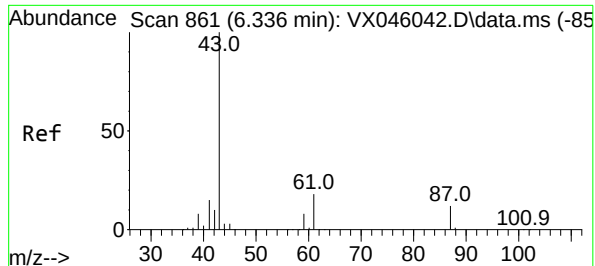
Reviewed By :John Carlone 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#42
1,2-Dichloroethane
Concen: 20.501 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX046231.D
Acq: 16 May 2025 10:36

Tgt Ion: 62 Resp: 38698
Ion Ratio Lower Upper
62 100
98 7.7 0.0 15.2





#43

Isopropyl Acetate

Concen: 20.627 ug/l

RT: 6.342 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX046231.D

Acq: 16 May 2025 10:36

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

Tgt Ion: 43 Resp: 5805

Ion Ratio Lower Upper

43 100

61 17.4 14.3 21.5

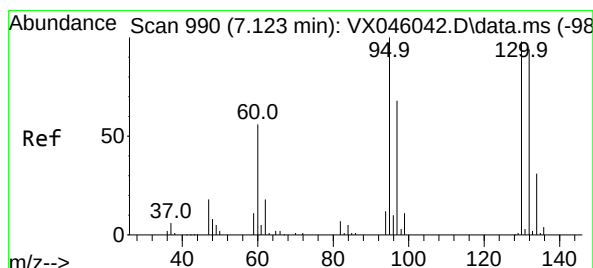
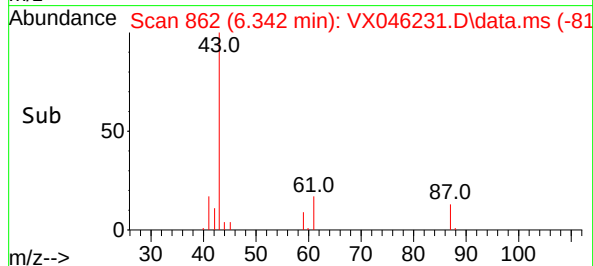
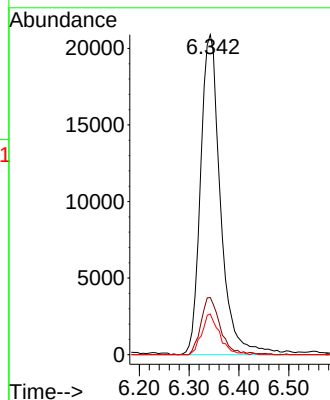
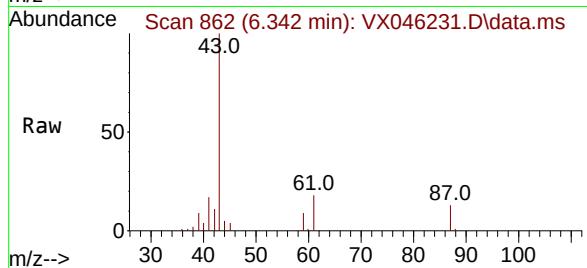
87 11.3 9.5 14.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Semsettin Yesilyurt 05/19/2025



#44

Trichloroethene

Concen: 19.808 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.000 min

Lab File: VX046231.D

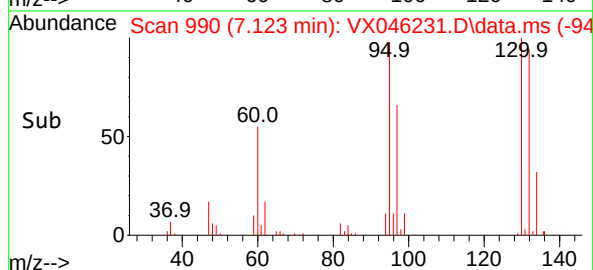
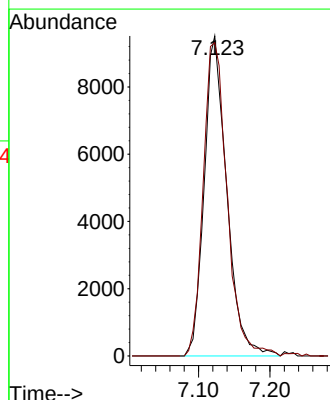
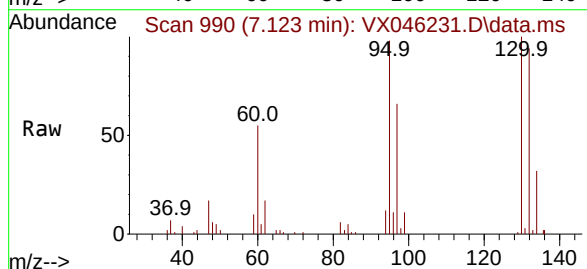
Acq: 16 May 2025 10:36

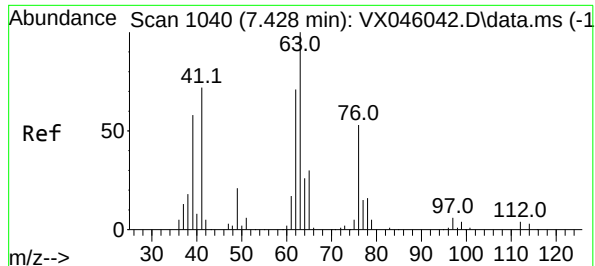
Tgt Ion:130 Resp: 20851

Ion Ratio Lower Upper

130 100

95 97.9 0.0 204.2





#45

1,2-Dichloropropane

Concen: 21.268 ug/l

RT: 7.428 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VX046231.D

Acq: 16 May 2025 10:36

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

Tgt Ion: 63 Resp: 23129

Ion Ratio Lower Upper

63 100

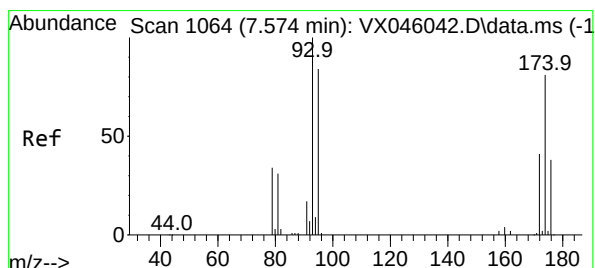
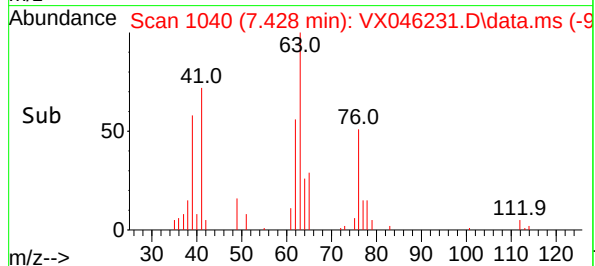
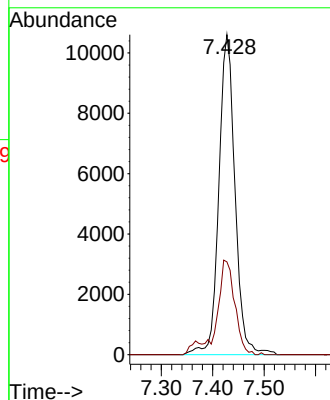
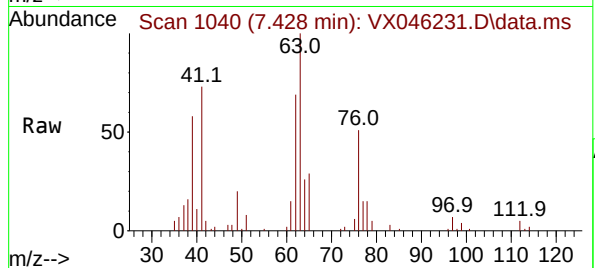
65 29.0 24.1 36.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Semsettin Yesilyurt 05/19/2025



#46

Dibromomethane

Concen: 20.317 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VX046231.D

Acq: 16 May 2025 10:36

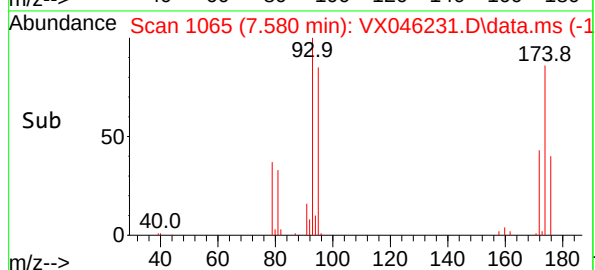
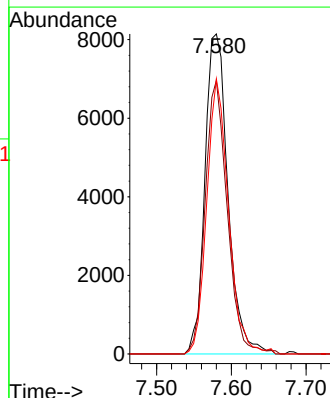
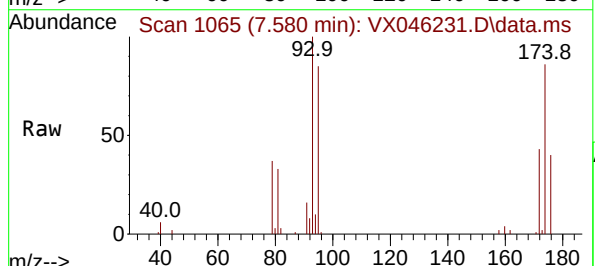
Tgt Ion: 93 Resp: 17427

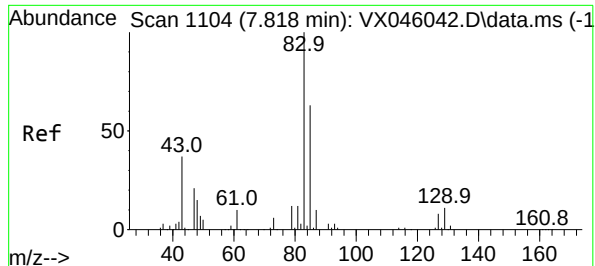
Ion Ratio Lower Upper

93 100

95 82.1 65.6 98.4

174 81.4 68.2 102.2





#47

Bromodichloromethane

Concen: 20.660 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VX046231.D

Acq: 16 May 2025 10:36

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

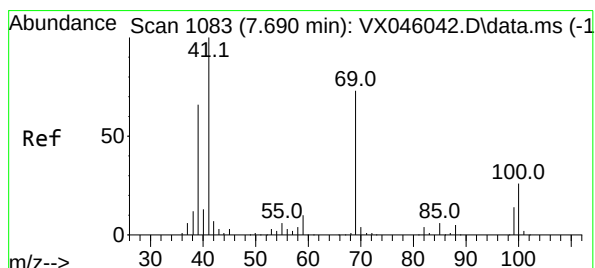
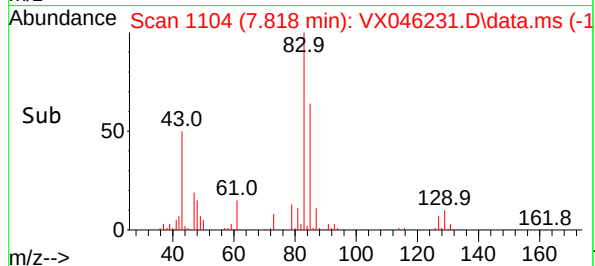
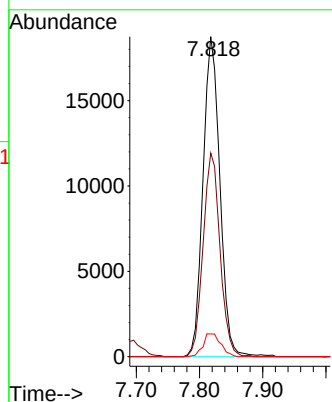
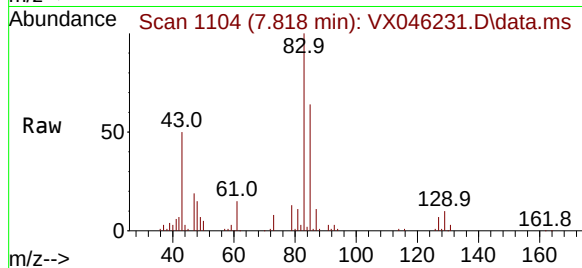
Tgt Ion:	83	Resp:	3490
Ion	Ratio	Lower	Upper
83	100		
85	63.7	50.5	75.7
127	7.1	6.5	9.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Semsettin Yesilyurt 05/19/2025



#48

Methyl methacrylate

Concen: 21.125 ug/l

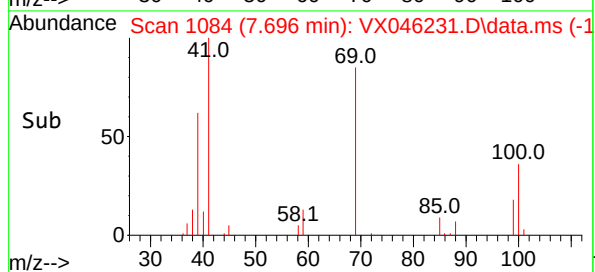
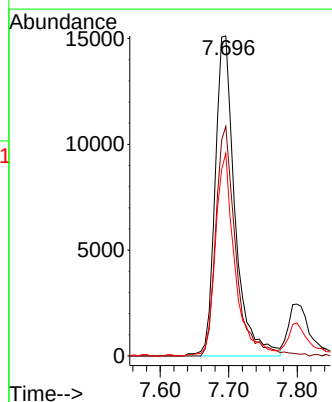
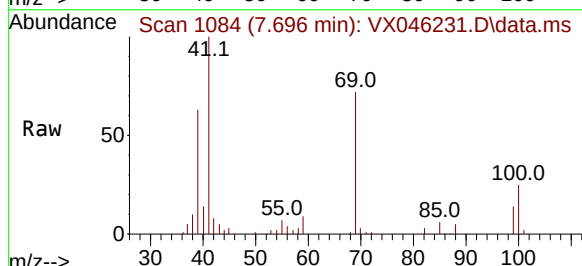
RT: 7.696 min Scan# 1084

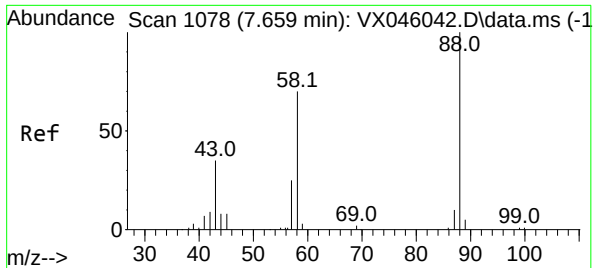
Delta R.T. 0.006 min

Lab File: VX046231.D

Acq: 16 May 2025 10:36

Tgt Ion:	41	Resp:	30363
Ion	Ratio	Lower	Upper
41	100		
69	71.9	58.5	87.7
39	62.1	51.7	77.5





#49

1,4-Dioxane

Concen: 430.844 ug/l

RT: 7.665 min Scan# 1078

Delta R.T. 0.006 min

Lab File: VX046231.D

Acq: 16 May 2025 10:36

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

Tgt Ion: 88 Resp: 11758

Ion Ratio Lower Upper

88 100

43 39.8 33.4 50.2

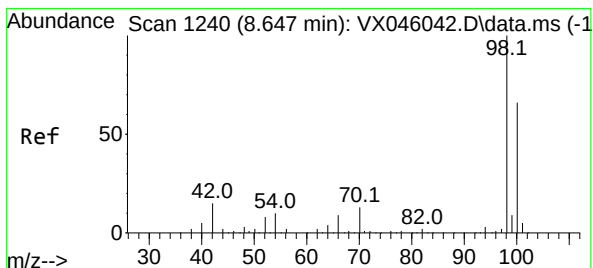
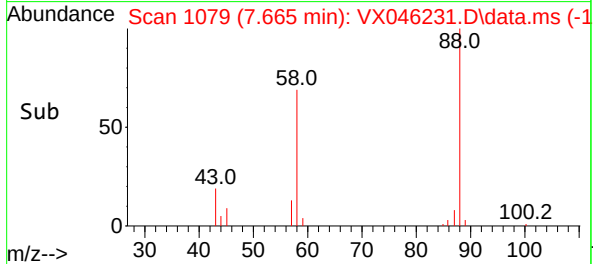
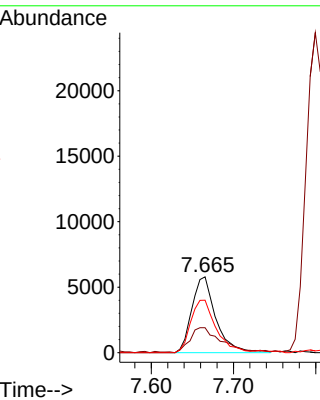
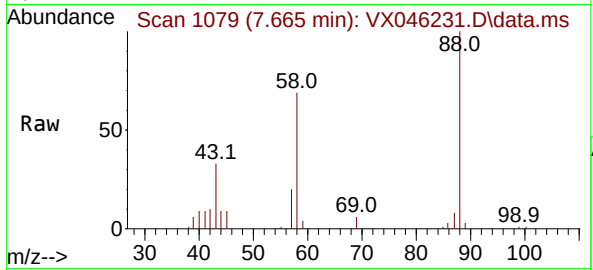
58 72.3 58.6 88.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Semsettin Yesilyurt 05/19/2025



#50

Toluene-d8

Concen: 50.625 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX046231.D

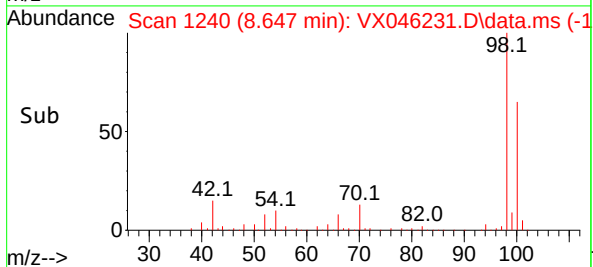
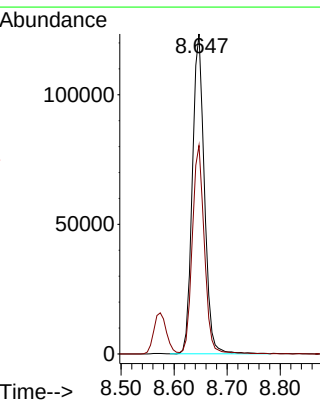
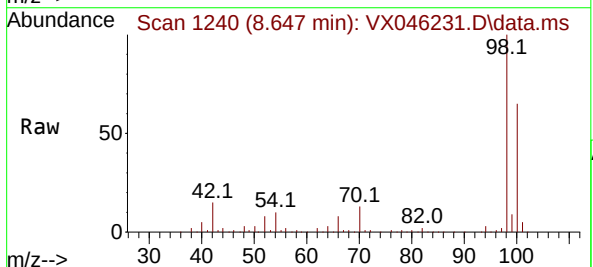
Acq: 16 May 2025 10:36

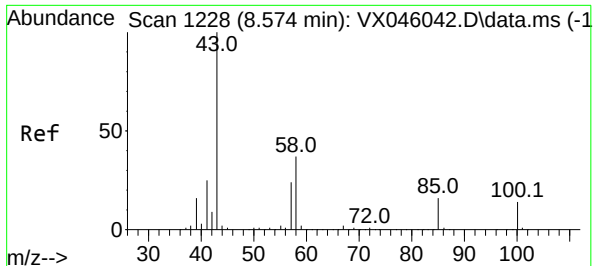
Tgt Ion: 98 Resp: 194722

Ion Ratio Lower Upper

98 100

100 65.2 53.5 80.3





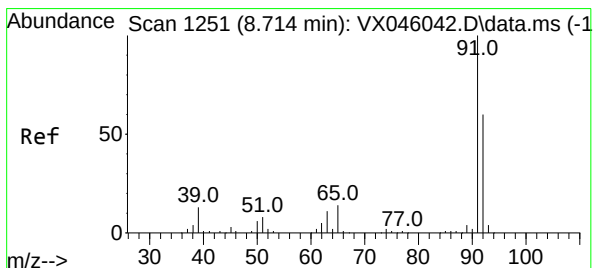
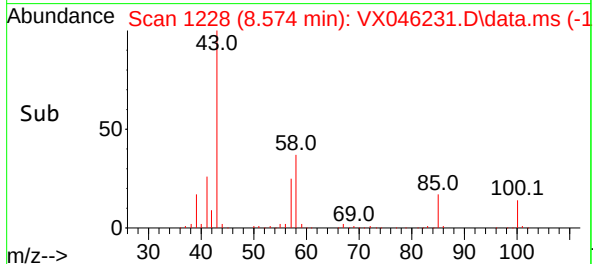
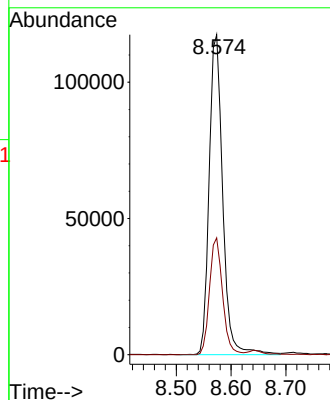
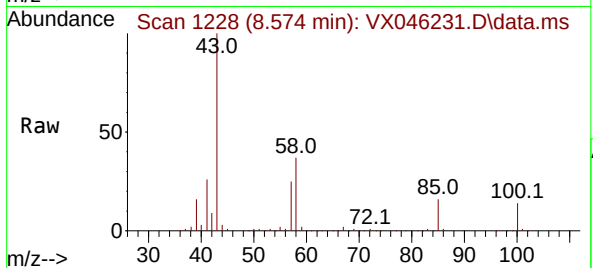
#51
4-Methyl-2-Pentanone
Concen: 107.375 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX046231.D
Acq: 16 May 2025 10:36

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tgt Ion: 43 Resp: 200590
Ion Ratio Lower Upper
43 100
58 35.2 28.9 43.3

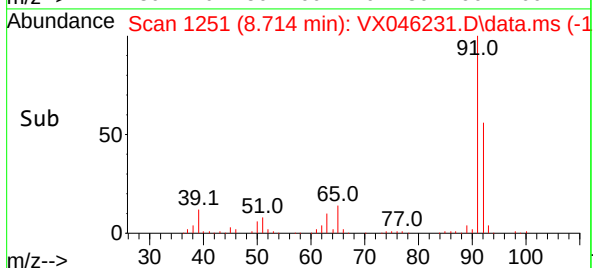
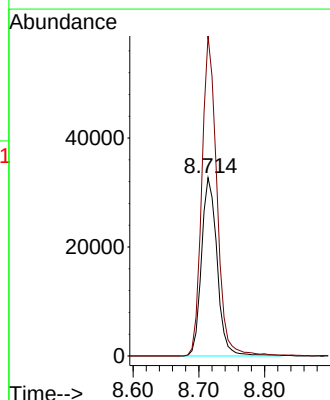
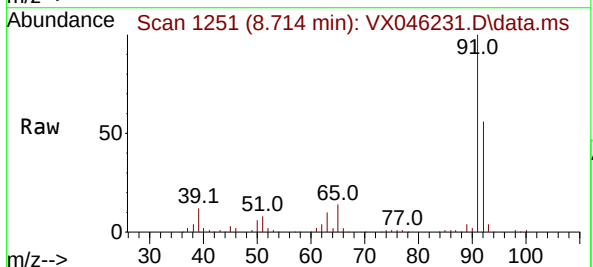
Manual Integrations
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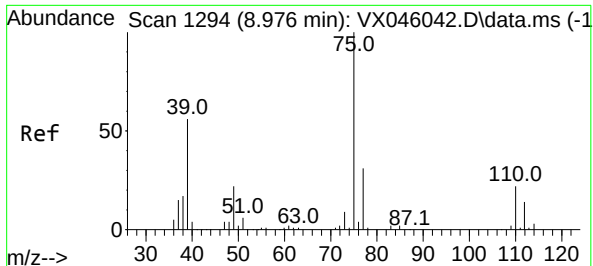
Reviewed By :John Carlone 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#52
Toluene
Concen: 20.150 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX046231.D
Acq: 16 May 2025 10:36

Tgt Ion: 92 Resp: 54039
Ion Ratio Lower Upper
92 100
91 173.8 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 19.213 ug/l

RT: 8.976 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX046231.D

Acq: 16 May 2025 10:36

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

Tgt Ion: 75 Resp: 2885

Ion Ratio Lower Upper

75 100

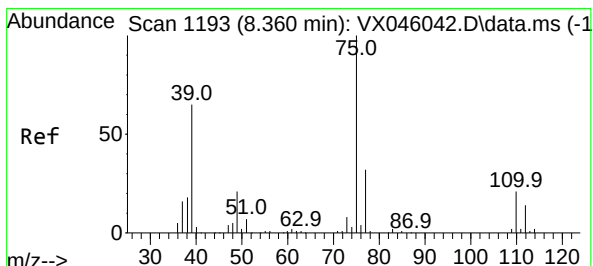
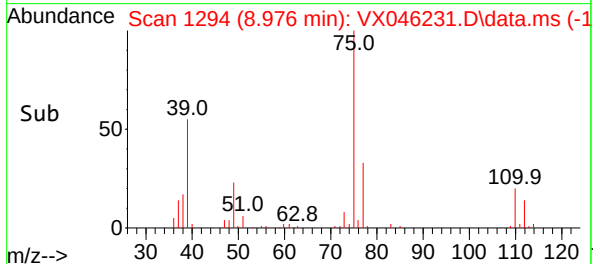
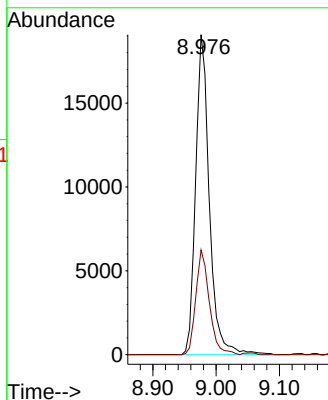
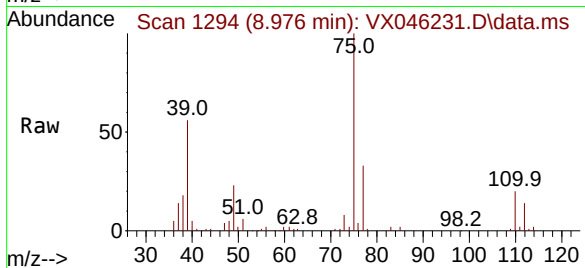
77 32.8 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Semsettin Yesilyurt 05/19/2025



#54

cis-1,3-Dichloropropene

Concen: 19.674 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VX046231.D

Acq: 16 May 2025 10:36

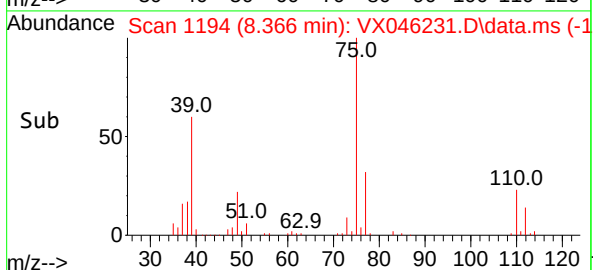
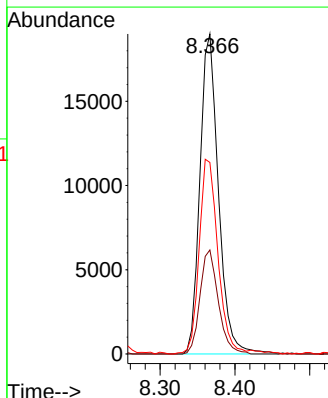
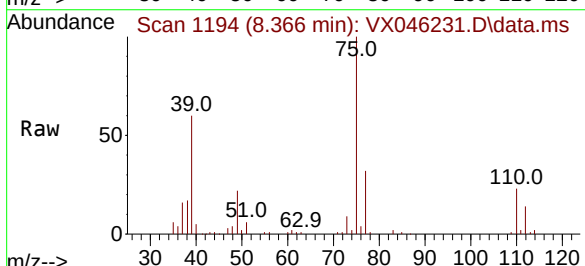
Tgt Ion: 75 Resp: 32652

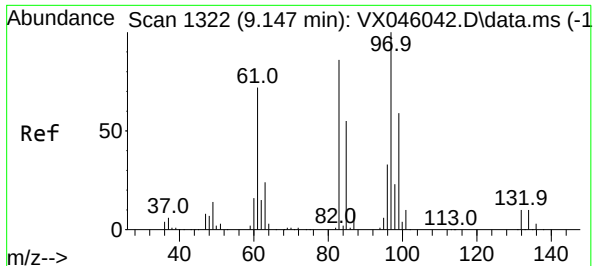
Ion Ratio Lower Upper

75 100

77 32.5 25.4 38.0

39 59.5 52.2 78.4





#55

1,1,2-Trichloroethane

Concen: 21.161 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. 0.000 min

Lab File: VX046231.D

Acq: 16 May 2025 10:36

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

Tgt Ion: 97 Resp: 2237

Ion Ratio Lower Upper

97 100

83 87.3 69.0 103.6

85 54.5 44.3 66.5

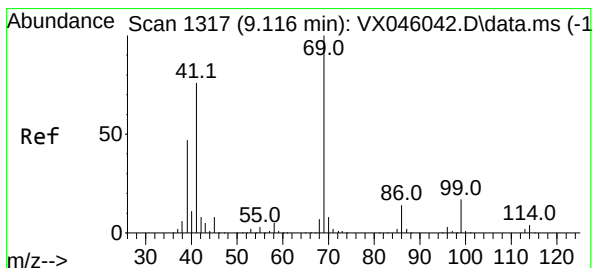
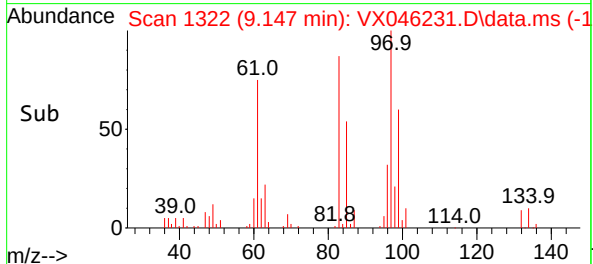
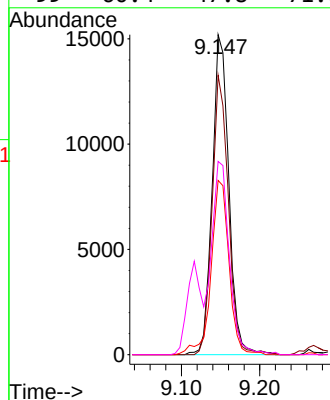
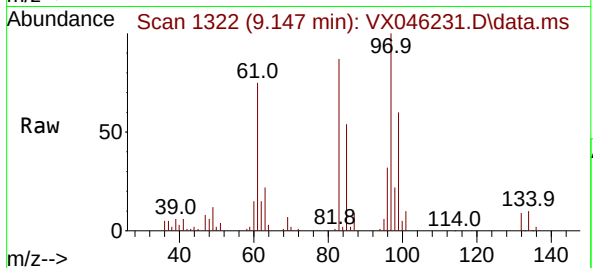
99 60.4 47.8 71.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Semsettin Yesilyurt 05/19/2025



#56

Ethyl methacrylate

Concen: 20.695 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX046231.D

Acq: 16 May 2025 10:36

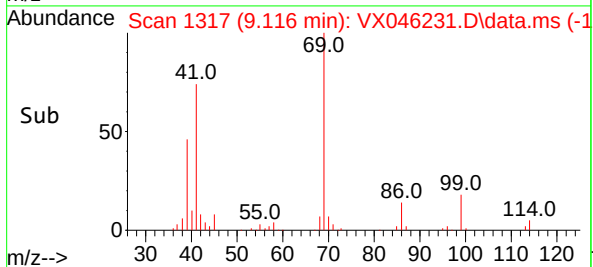
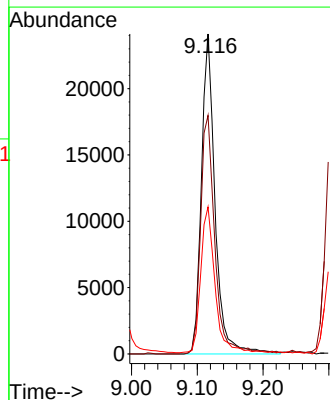
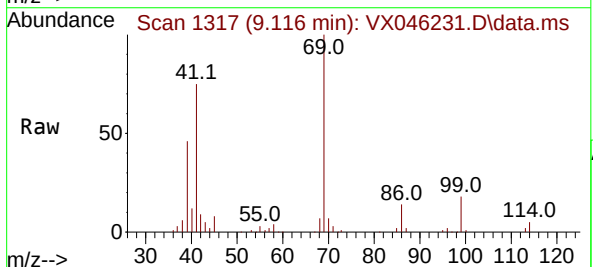
Tgt Ion: 69 Resp: 34878

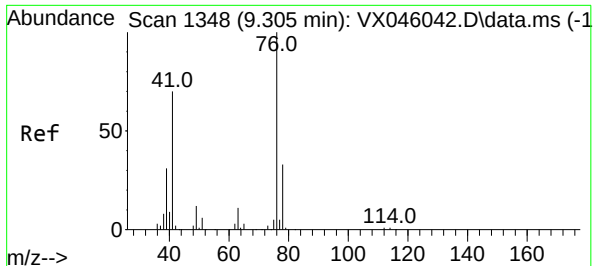
Ion Ratio Lower Upper

69 100

41 78.1 60.8 91.2

39 47.6 39.0 58.6





#57

1,3-Dichloropropane

Concen: 20.644 ug/l

RT: 9.305 min Scan# 11348

Delta R.T. 0.000 min

Lab File: VX046231.D

Acq: 16 May 2025 10:36

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

Tgt Ion: 76 Resp: 3920

Ion Ratio Lower Upper

76 100

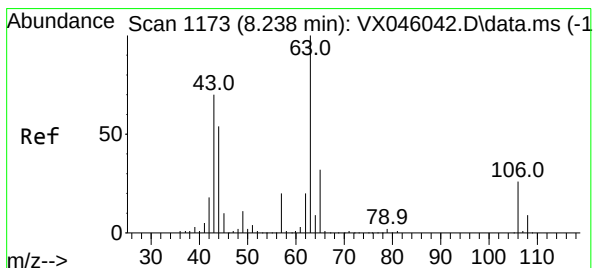
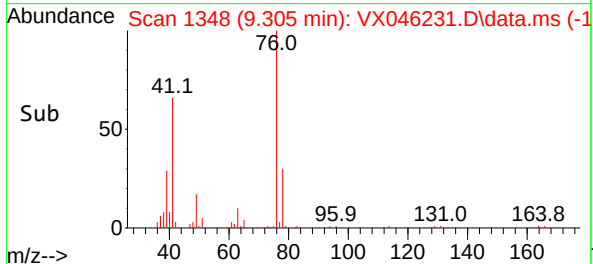
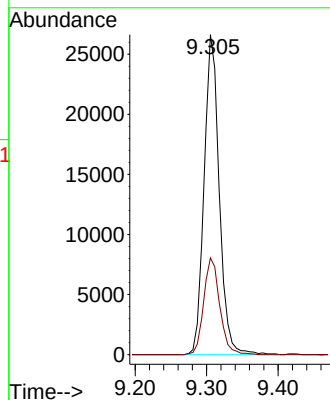
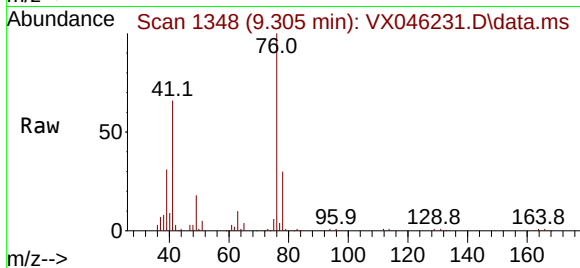
78 32.0 26.3 39.5

Manual Integrations

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Reviewed By :John Carlone 05/19/2025

Supervised By :Semsettin Yesilyurt 05/19/2025



#58

2-Chloroethyl Vinyl ether

Concen: 98.015 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX046231.D

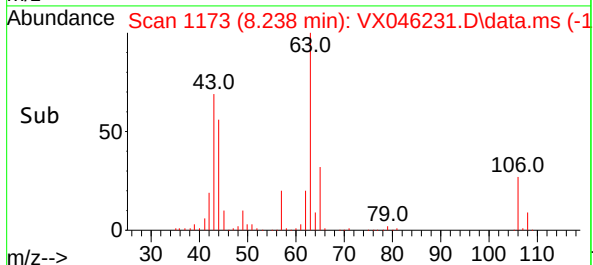
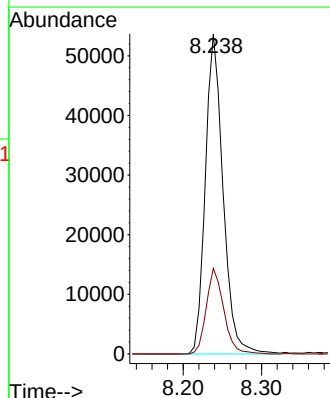
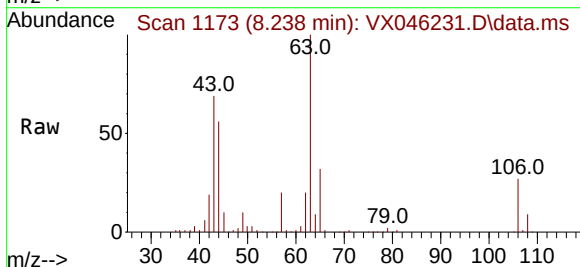
Acq: 16 May 2025 10:36

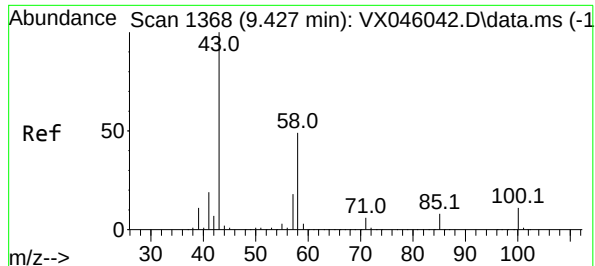
Tgt Ion: 63 Resp: 84216

Ion Ratio Lower Upper

63 100

106 26.3 21.5 32.3





#59

2-Hexanone

Concen: 109.397 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. 0.000 min

Lab File: VX046231.D

Acq: 16 May 2025 10:36

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

Tgt Ion: 43 Resp: 15119

Ion Ratio Lower Upper

43 100

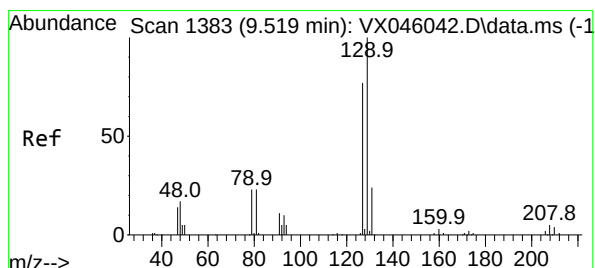
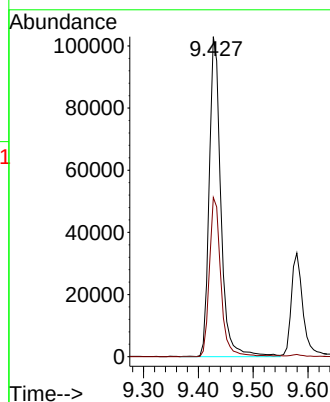
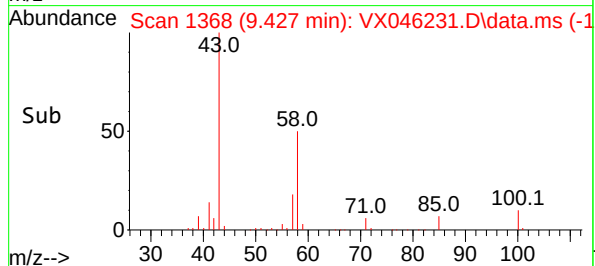
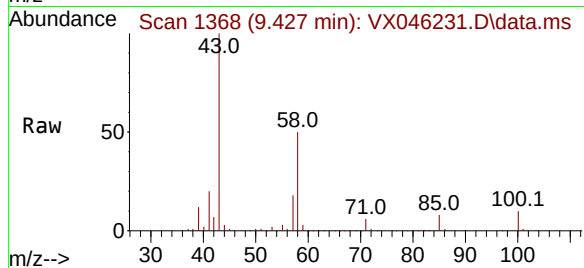
58 49.0 24.9 74.6

Manual Integrations

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Reviewed By :John Carlone 05/19/2025

Supervised By :Semsettin Yesilyurt 05/19/2025



#60

Dibromochloromethane

Concen: 20.631 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX046231.D

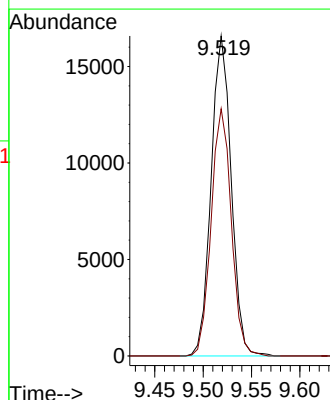
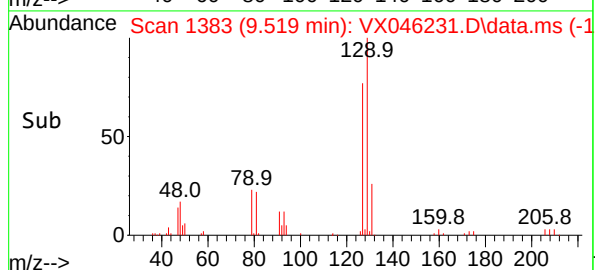
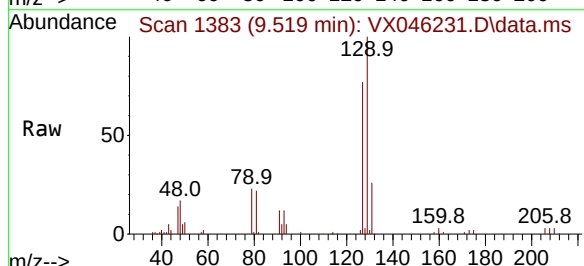
Acq: 16 May 2025 10:36

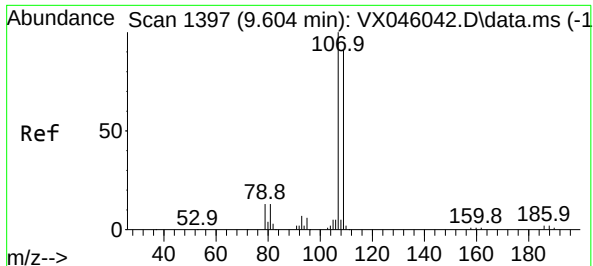
Tgt Ion:129 Resp: 23959

Ion Ratio Lower Upper

129 100

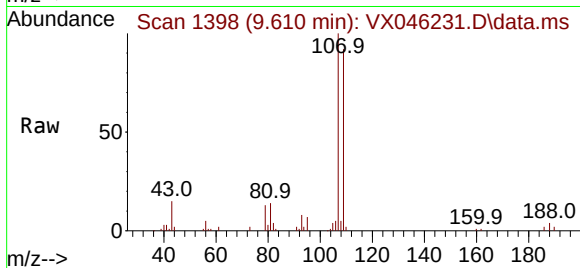
127 77.5 39.3 117.8





#61
1,2-Dibromoethane
Concen: 20.668 ug/l
RT: 9.610 min Scan# 1397
Delta R.T. 0.006 min
Lab File: VX046231.D
Acq: 16 May 2025 10:36

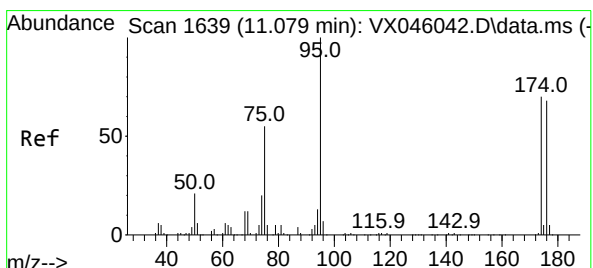
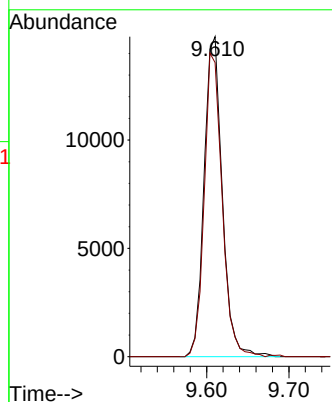
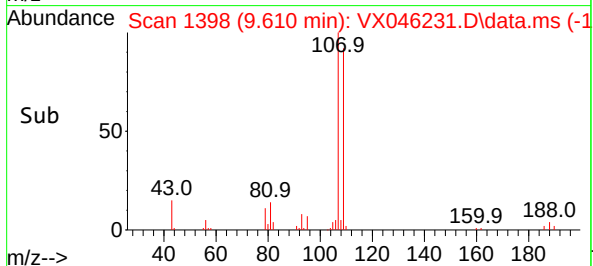
Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01



Tgt Ion: 107 Resp: 22715
Ion Ratio Lower Upper
107 100
109 93.0 73.3 109.9

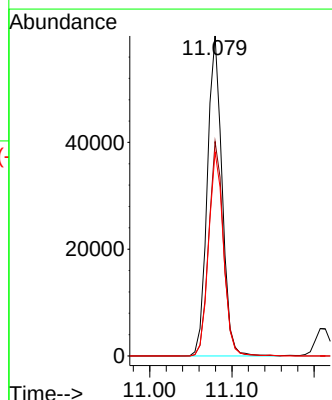
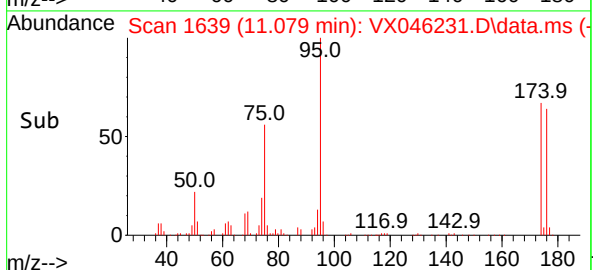
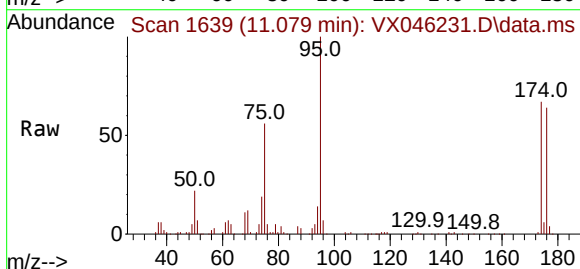
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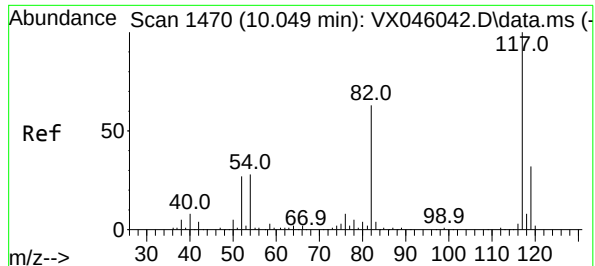
Reviewed By : John Carlone 05/19/2025
Supervised By : Semsettin Yesilyurt 05/19/2025



#62
4-Bromofluorobenzene
Concen: 50.519 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046231.D
Acq: 16 May 2025 10:36

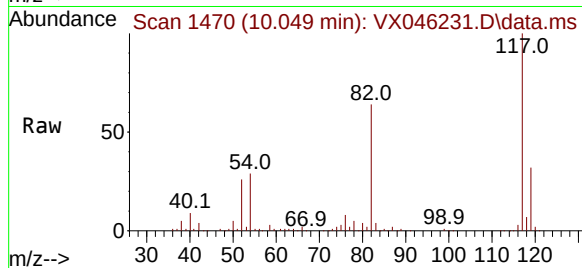
Tgt Ion: 95 Resp: 74537
Ion Ratio Lower Upper
95 100
174 67.0 0.0 135.8
176 64.3 0.0 131.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046231.D
Acq: 16 May 2025 10:36

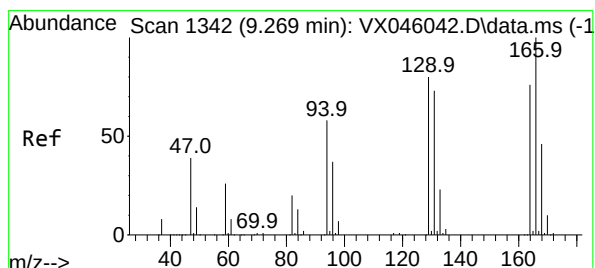
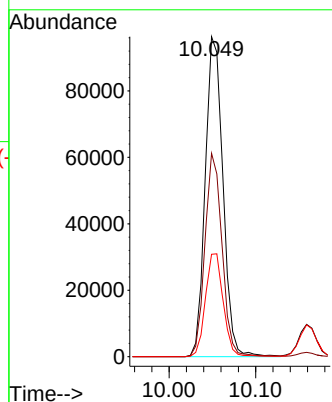
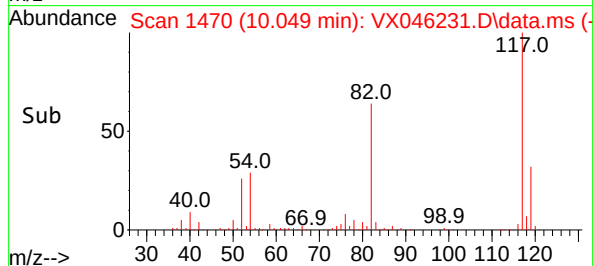
Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01



Tgt Ion:117 Resp: 137068
Ion Ratio Lower Upper
117 100
82 63.5 50.6 76.0
119 32.0 25.8 38.6

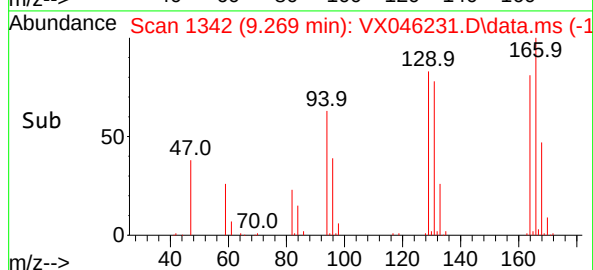
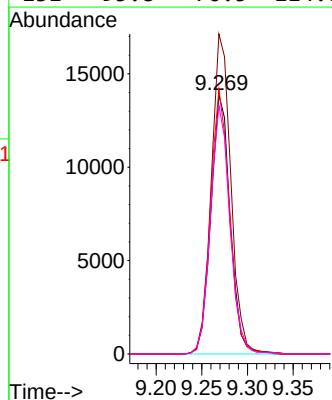
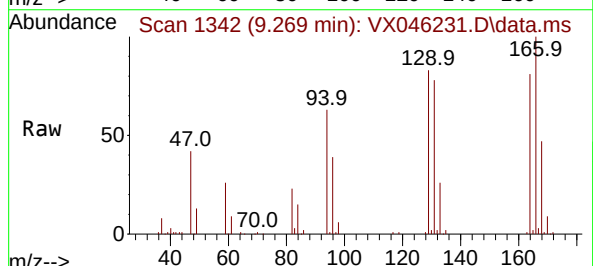
Manual Integrations
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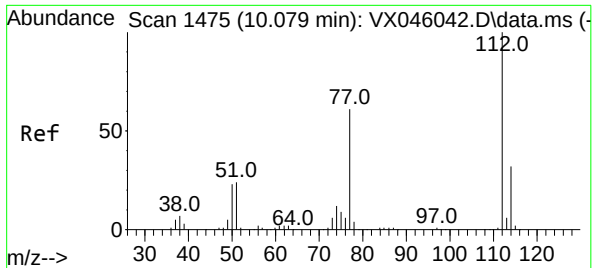
Reviewed By :John Carlone 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#64
Tetrachloroethene
Concen: 20.925 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX046231.D
Acq: 16 May 2025 10:36

Tgt Ion:164 Resp: 20293
Ion Ratio Lower Upper
164 100
166 123.5 105.0 157.6
129 102.2 83.5 125.3
131 95.8 76.5 114.7





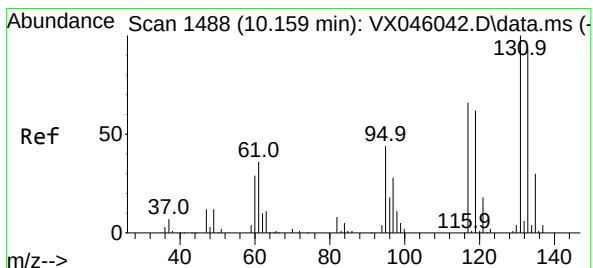
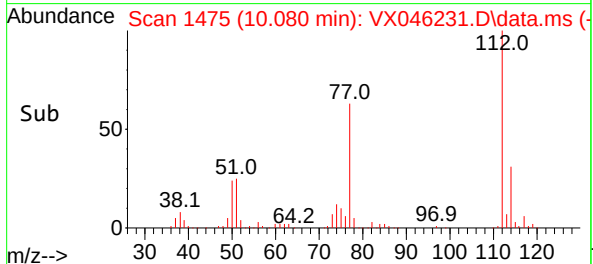
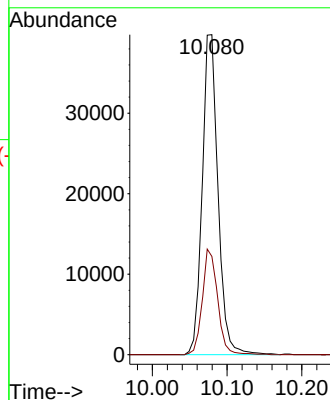
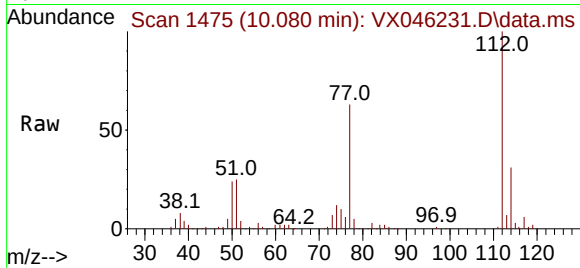
#65
Chlorobenzene
Concen: 19.444 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX046231.D
Acq: 16 May 2025 10:36

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tgt Ion:112 Resp: 58334
Ion Ratio Lower Upper
112 100
114 30.7 25.4 38.2

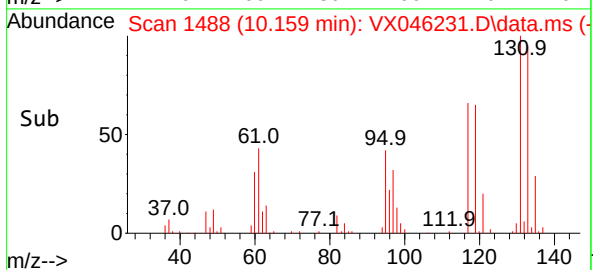
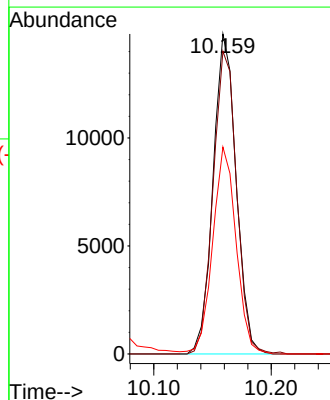
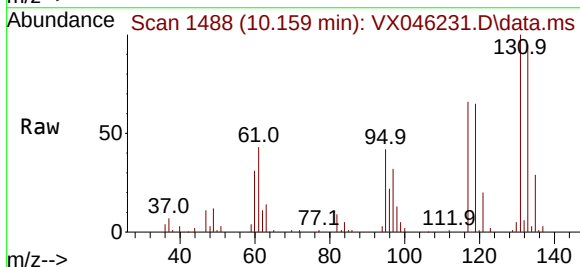
Manual Integrations
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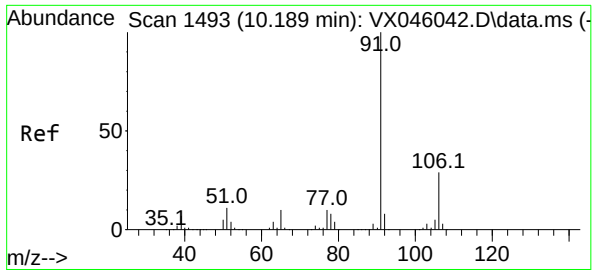
Reviewed By :John Carlone 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 19.708 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX046231.D
Acq: 16 May 2025 10:36

Tgt Ion:131 Resp: 20190
Ion Ratio Lower Upper
131 100
133 96.8 47.3 141.9
119 65.7 31.6 95.0





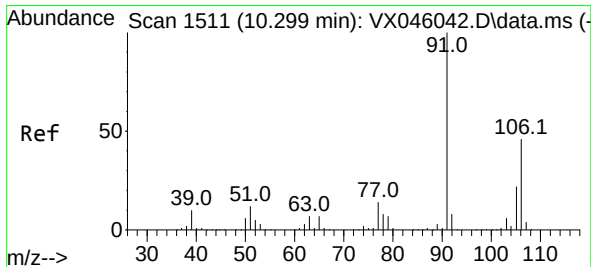
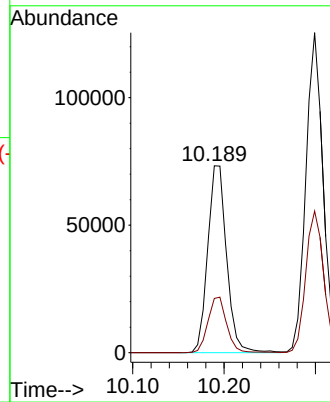
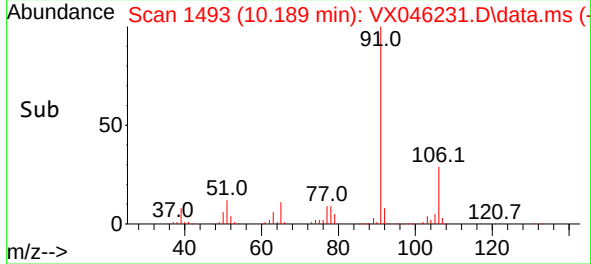
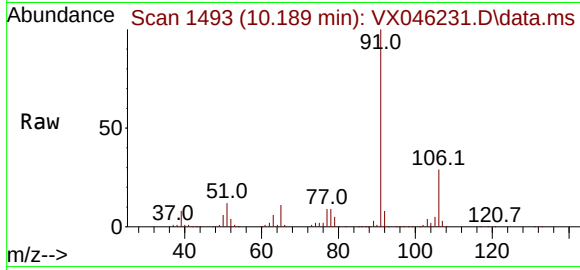
#67
Ethyl Benzene
Concen: 19.885 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VX046231.D
Acq: 16 May 2025 10:36

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tgt Ion: 91 Resp: 10516
Ion Ratio Lower Upper
91 100
106 29.0 23.4 35.2

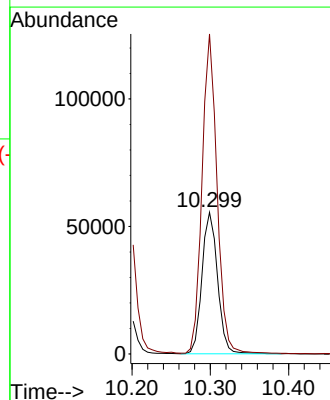
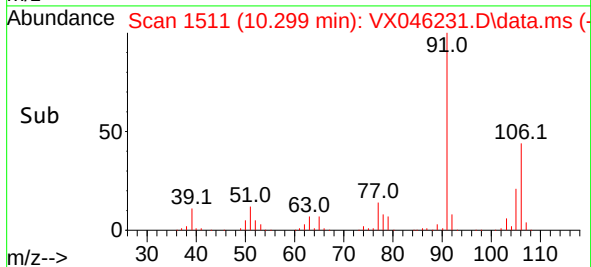
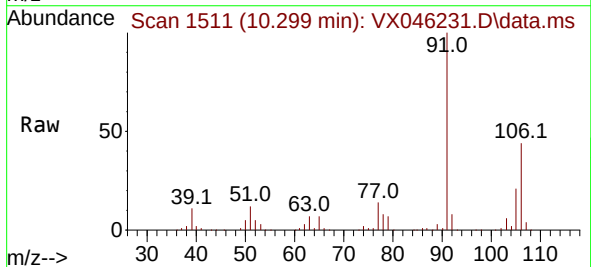
Manual Integrations
APPROVED

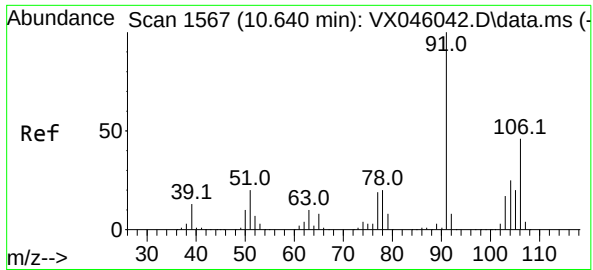
Reviewed By :John Carlone 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#68
m/p-Xylenes
Concen: 39.686 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX046231.D
Acq: 16 May 2025 10:36

Tgt Ion:106 Resp: 76760
Ion Ratio Lower Upper
106 100
91 217.5 171.2 256.8





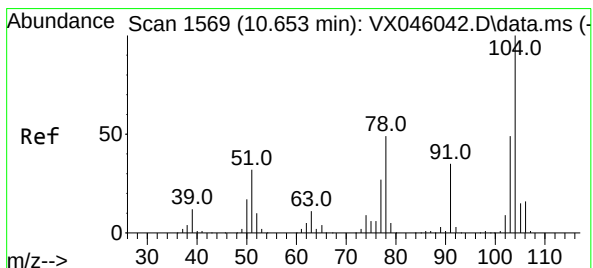
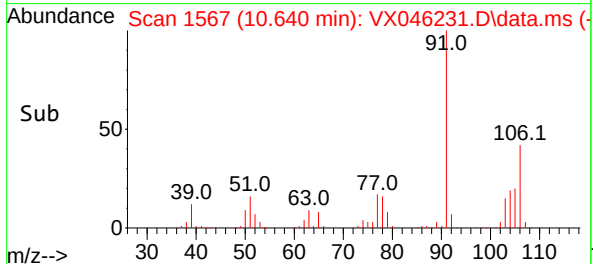
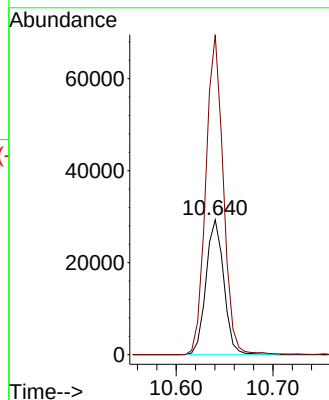
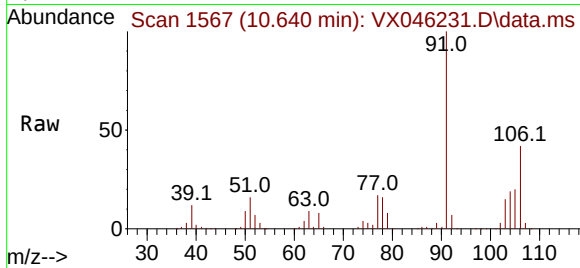
#69
o-Xylene
Concen: 19.984 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX046231.D
Acq: 16 May 2025 10:36

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tgt Ion:106 Resp: 3768
Ion Ratio Lower Upper
106 100
91 233.4 112.7 338.1

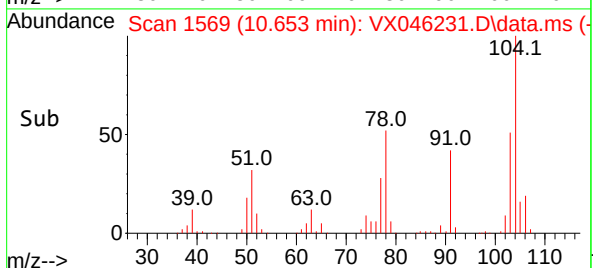
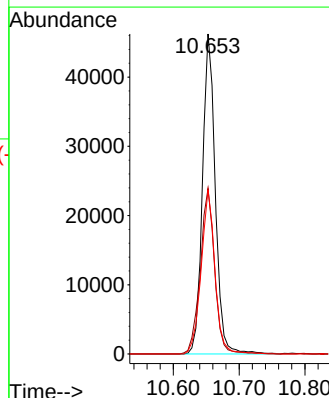
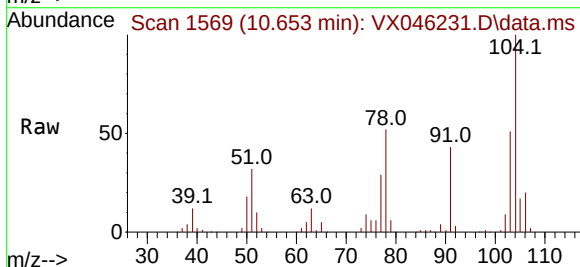
Manual Integrations
APPROVED

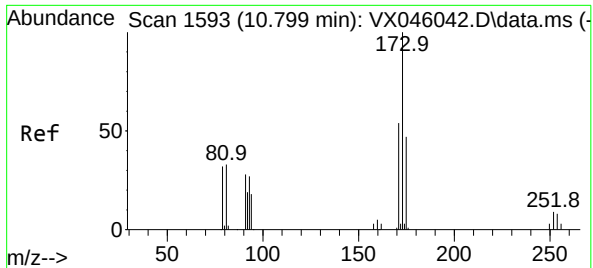
Reviewed By :John Carlone 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#70
Styrene
Concen: 20.333 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX046231.D
Acq: 16 May 2025 10:36

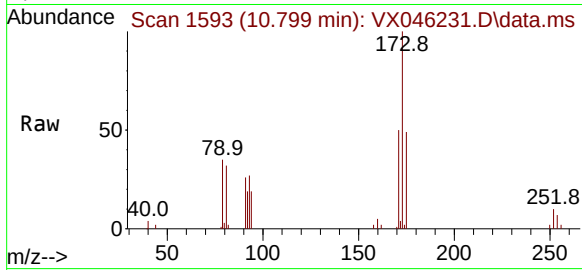
Tgt Ion:104 Resp: 62807
Ion Ratio Lower Upper
104 100
78 57.7 45.7 68.5
103 55.2 43.7 65.5





#71
Bromoform
Concen: 18.962 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX046231.D
Acq: 16 May 2025 10:36

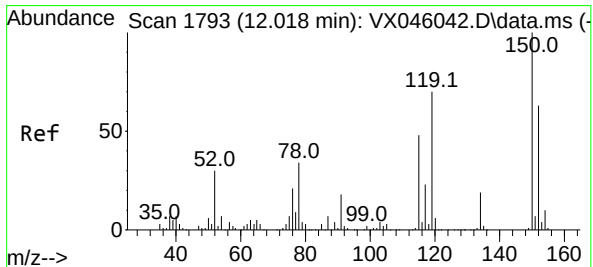
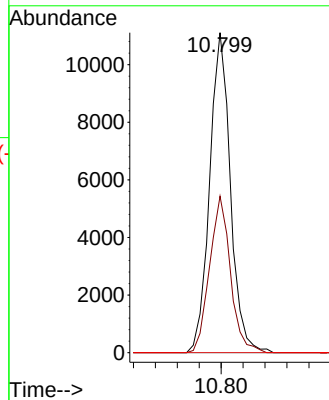
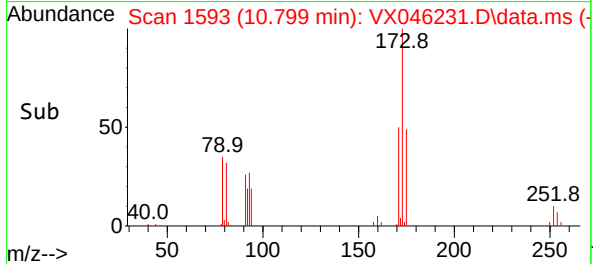
Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01



Tgt Ion:173 Resp: 14584
Ion Ratio Lower Upper
173 100
175 49.2 23.4 70.0
254 0.0 0.0 0.0

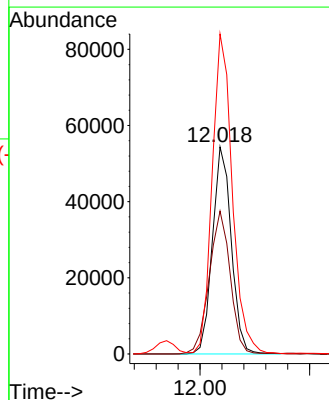
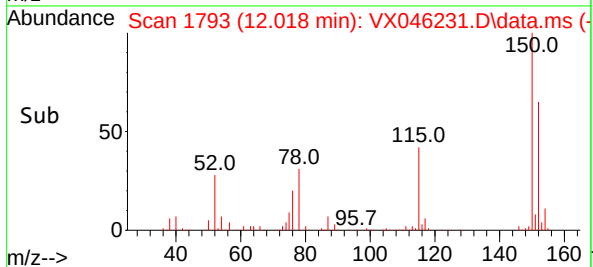
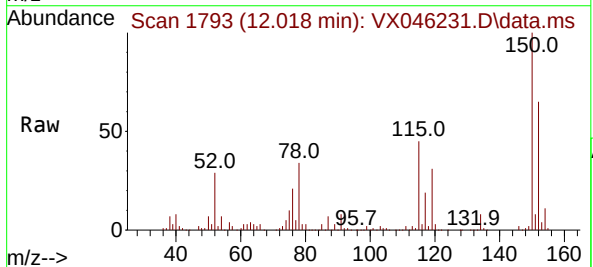
Manual Integrations
APPROVED

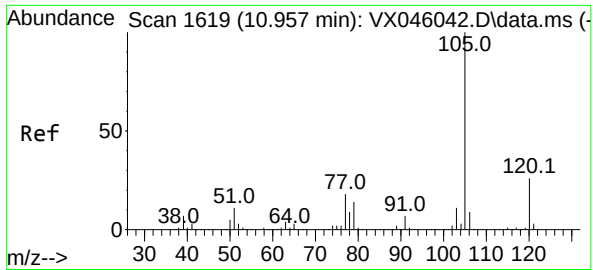
Reviewed By :John Carlone 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046231.D
Acq: 16 May 2025 10:36

Tgt Ion:152 Resp: 65057
Ion Ratio Lower Upper
152 100
115 76.6 46.9 140.7
150 164.0 0.0 351.0





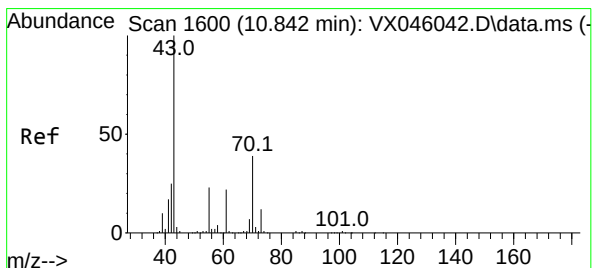
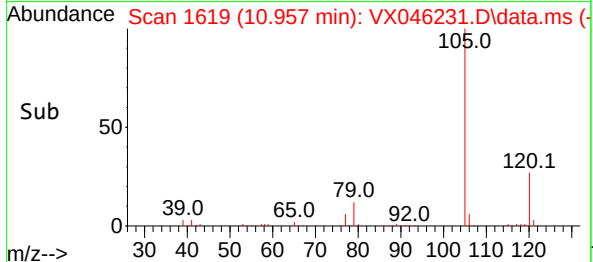
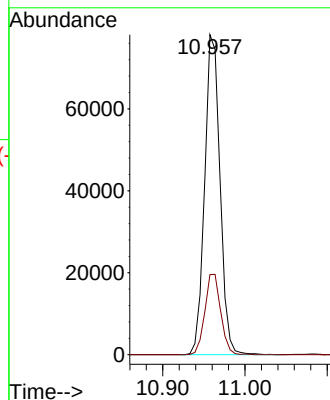
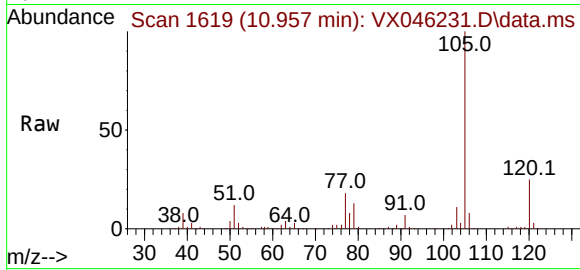
#73
Isopropylbenzene
Concen: 20.018 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX046231.D
Acq: 16 May 2025 10:36

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tgt Ion: 105 Resp: 101389
Ion Ratio Lower Upper
105 100
120 26.0 12.8 38.4

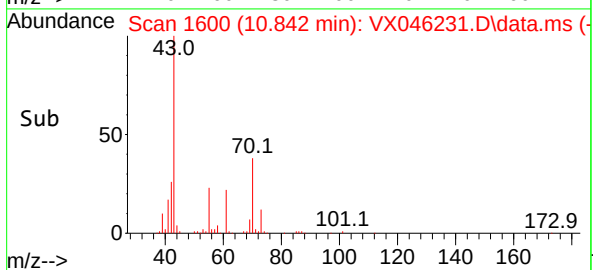
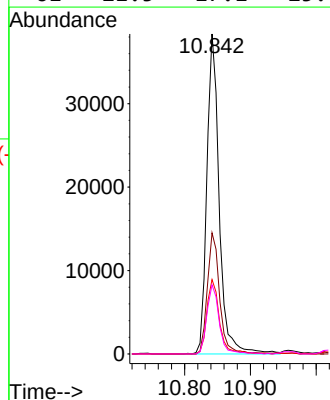
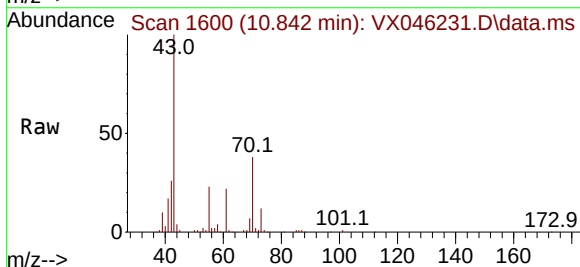
Manual Integrations
APPROVED

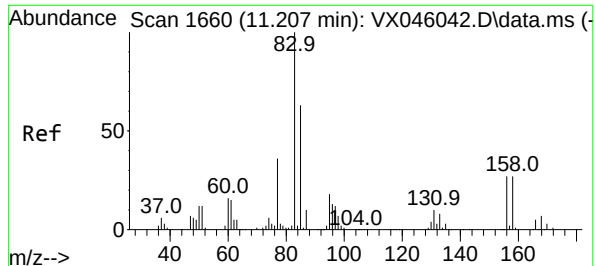
Reviewed By :John Carlone 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#74
N-ethyl acetate
Concen: 20.028 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX046231.D
Acq: 16 May 2025 10:36

Tgt Ion: 43 Resp: 50126
Ion Ratio Lower Upper
43 100
70 37.8 30.9 46.3
55 23.8 18.7 28.1
61 21.5 17.1 25.7





#75

1,1,2,2-Tetrachloroethane

Concen: 20.135 ug/l

RT: 11.213 min Scan# 1661

Delta R.T. 0.006 min

Lab File: VX046231.D

Acq: 16 May 2025 10:36

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

Tgt Ion: 83 Resp: 3573

Ion Ratio Lower Upper

83 100

131 9.9 5.0 14.9

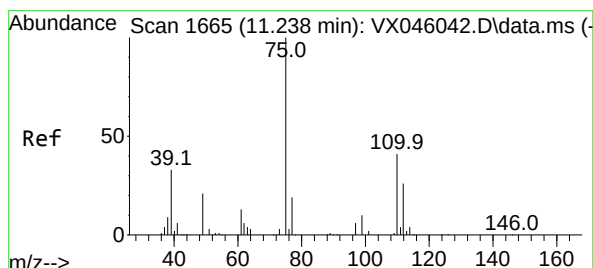
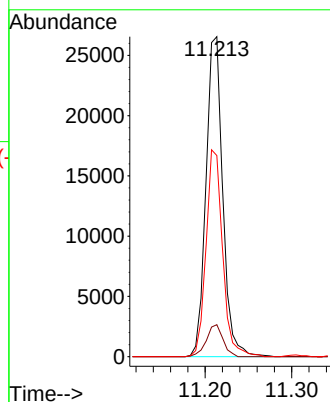
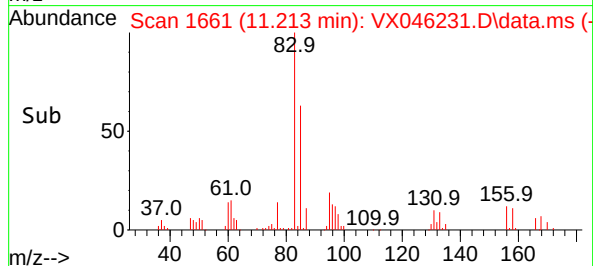
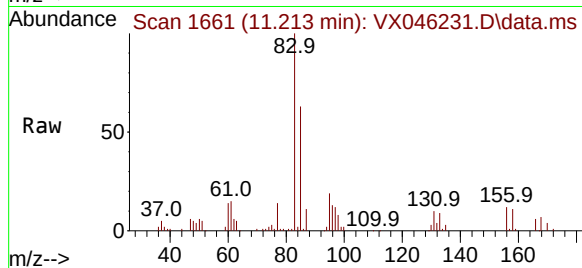
85 63.9 31.9 95.7

Manual Integrations

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Reviewed By :John Carlone 05/19/2025

Supervised By :Semsettin Yesilyurt 05/19/2025



#76

1,2,3-Trichloropropane

Concen: 19.798 ug/l m

RT: 11.238 min Scan# 1665

Delta R.T. 0.000 min

Lab File: VX046231.D

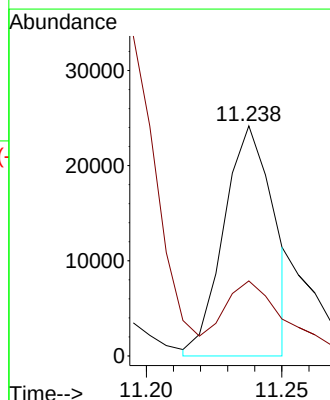
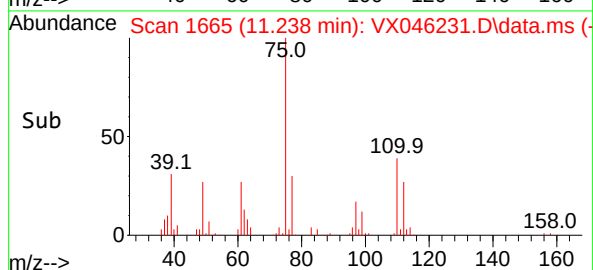
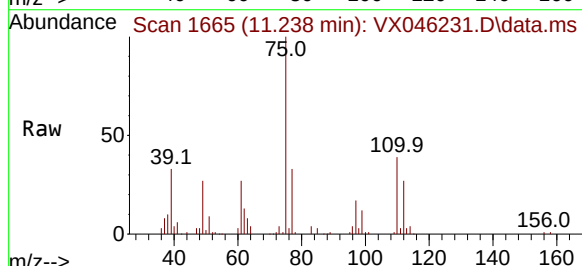
Acq: 16 May 2025 10:36

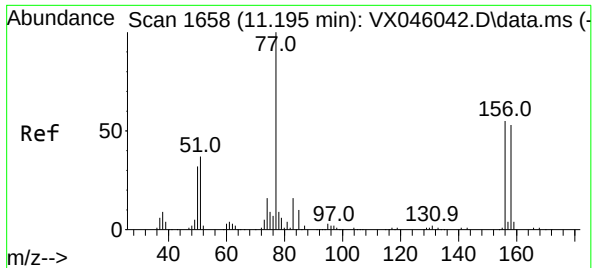
Tgt Ion: 75 Resp: 31002

Ion Ratio Lower Upper

75 100

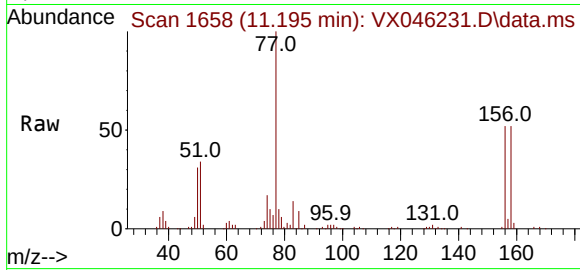
77 41.1 20.5 61.5





#77
Bromobenzene
Concen: 19.403 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX046231.D
Acq: 16 May 2025 10:36

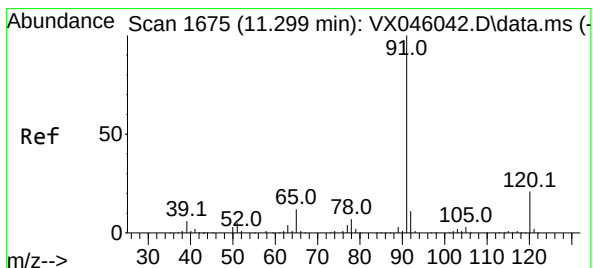
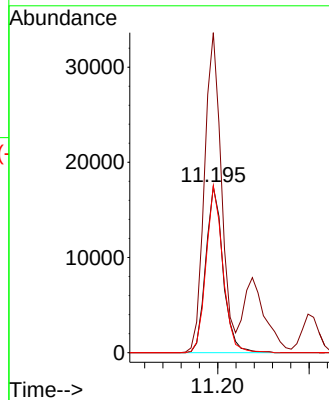
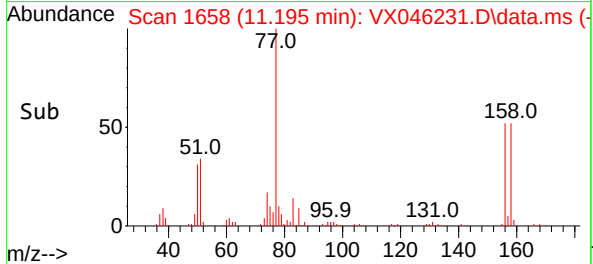
Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01



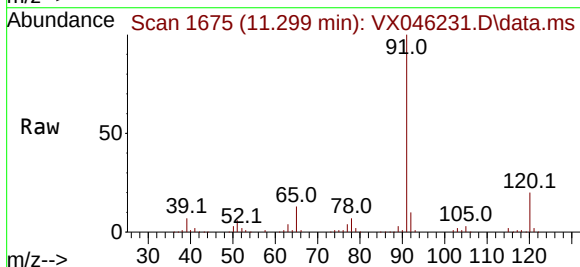
Tgt Ion:156 Resp: 22810
Ion Ratio Lower Upper
156 100
77 189.5 92.8 278.3
158 98.0 48.8 146.3

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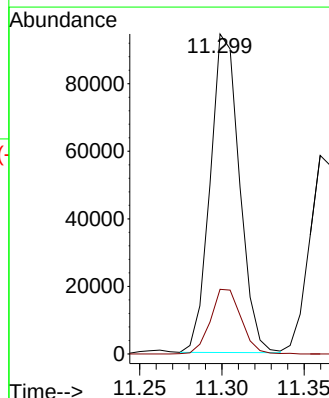
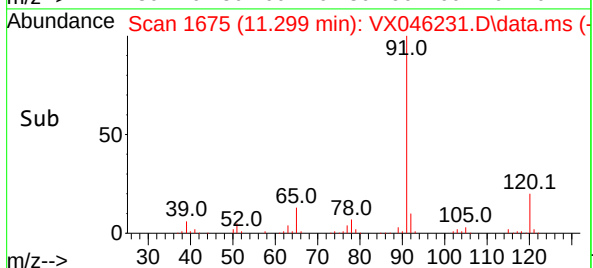
Reviewed By :John Carlone 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

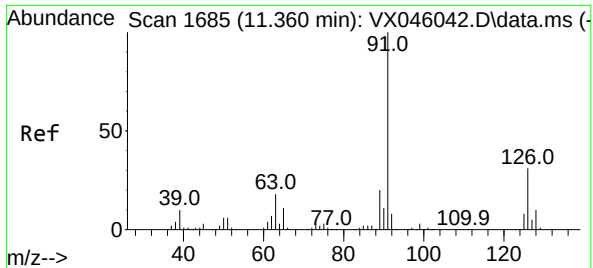


#78
n-propylbenzene
Concen: 19.879 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX046231.D
Acq: 16 May 2025 10:36



Tgt Ion: 91 Resp: 117071
Ion Ratio Lower Upper
91 100
120 21.2 10.8 32.4





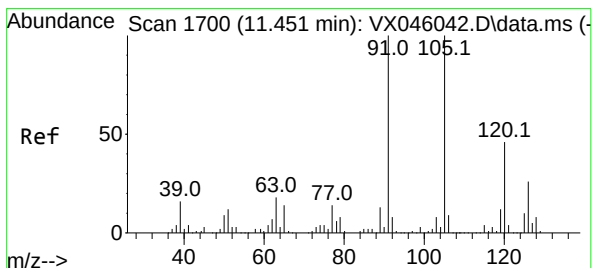
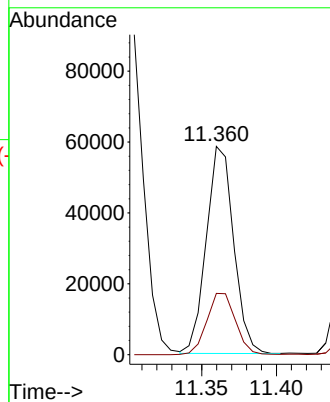
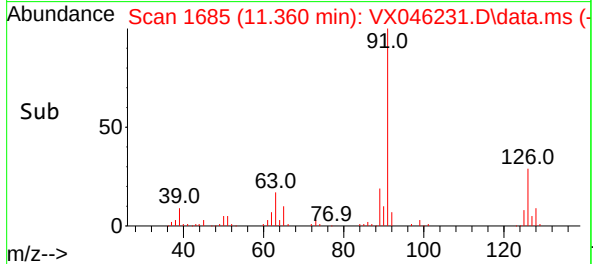
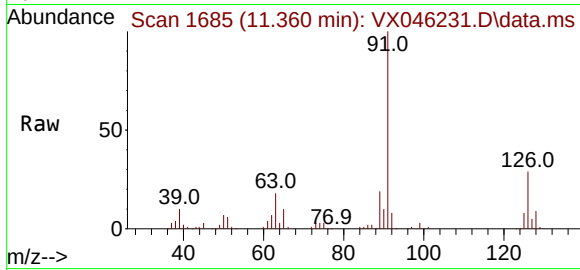
#79
2-Chlorotoluene
Concen: 19.608 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VX046231.D
Acq: 16 May 2025 10:36

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tgt Ion: 91 Resp: 7448
Ion Ratio Lower Upper
91 100
126 31.2 15.6 46.7

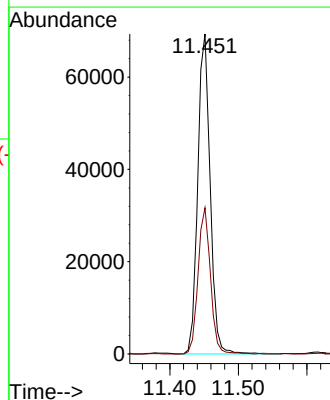
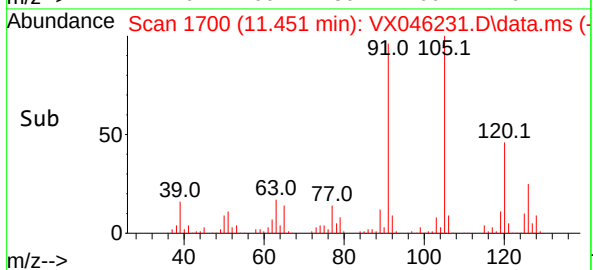
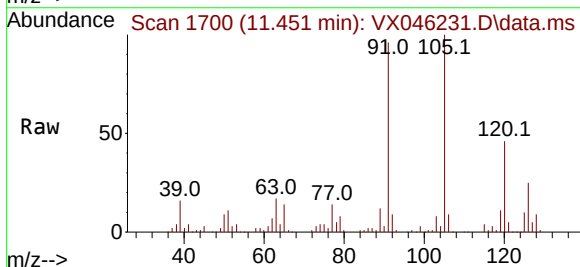
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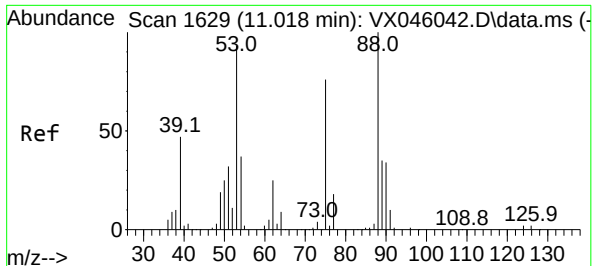
Reviewed By :John Carlone 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#80
1,3,5-Trimethylbenzene
Concen: 20.653 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046231.D
Acq: 16 May 2025 10:36

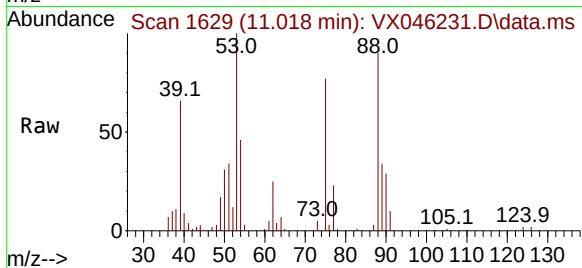
Tgt Ion:105 Resp: 87389
Ion Ratio Lower Upper
105 100
120 45.7 23.1 69.2





#81
trans-1,4-Dichloro-2-butene
Concen: 17.576 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX046231.D
Acq: 16 May 2025 10:36

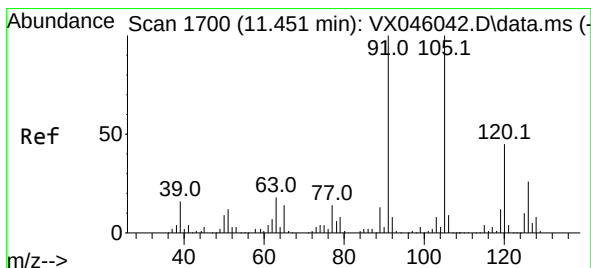
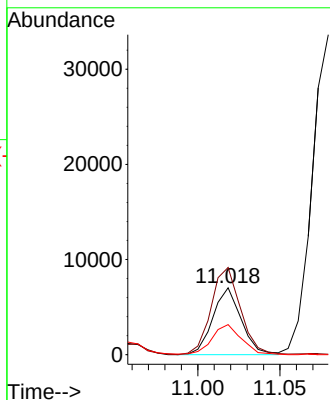
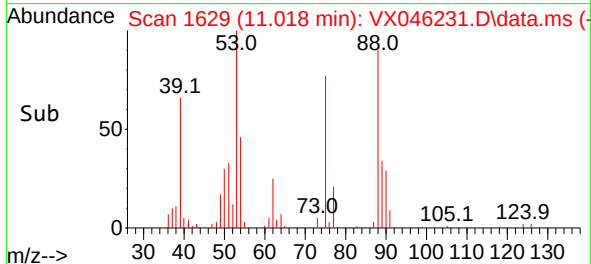
Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01



Tgt Ion: 75 Resp: 8454
Ion Ratio Lower Upper
75 100
53 135.2 100.5 150.7
89 46.7 37.0 55.6

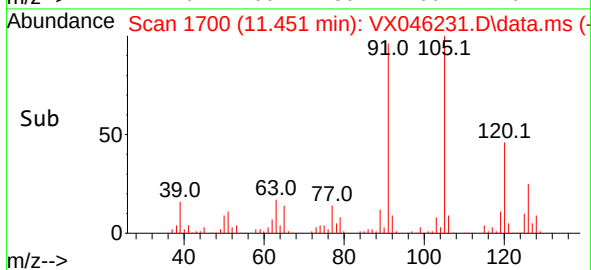
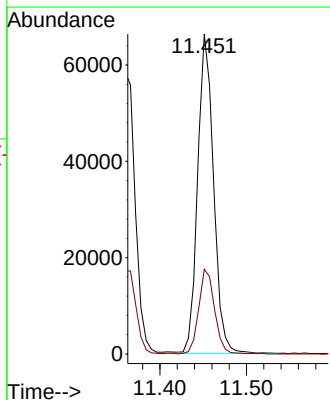
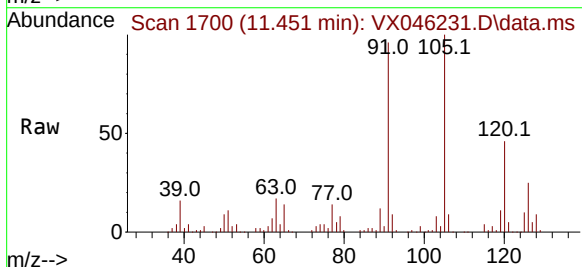
Manual Integrations
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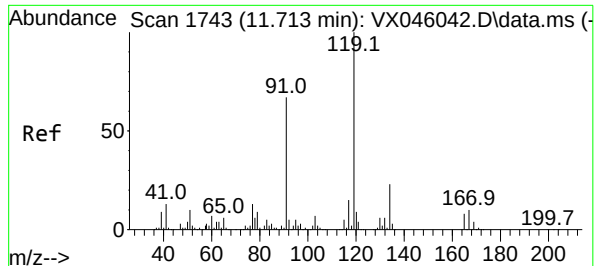
Reviewed By :John Carlone 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#82
4-Chlorotoluene
Concen: 20.037 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046231.D
Acq: 16 May 2025 10:36

Tgt Ion: 91 Resp: 84405
Ion Ratio Lower Upper
91 100
126 26.6 13.3 39.8





#83

tert-Butylbenzene

Concen: 19.556 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX046231.D

Acq: 16 May 2025 10:36

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

Tgt Ion:119 Resp: 83350

Ion Ratio Lower Upper

119 100

91 66.1 32.9 98.7

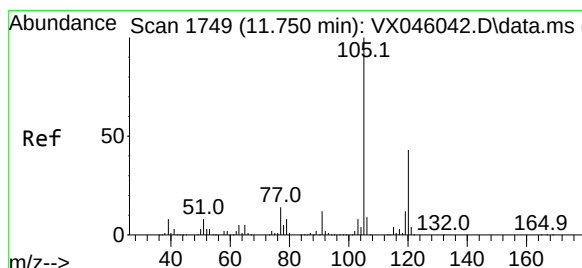
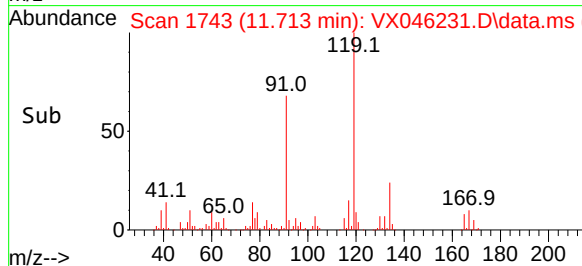
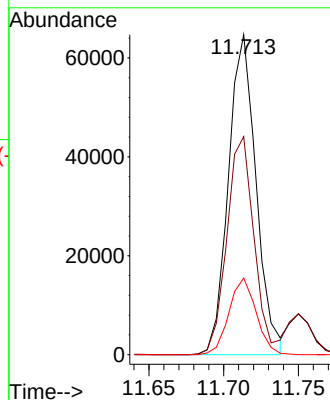
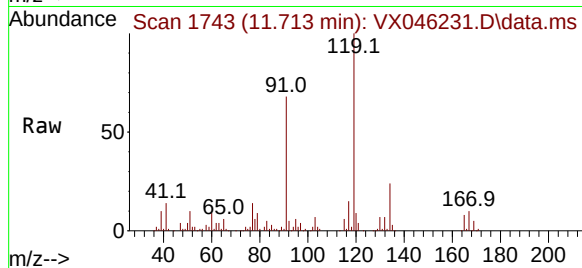
134 23.5 11.4 34.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Semsettin Yesilyurt 05/19/2025



#84

1,2,4-Trimethylbenzene

Concen: 20.141 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX046231.D

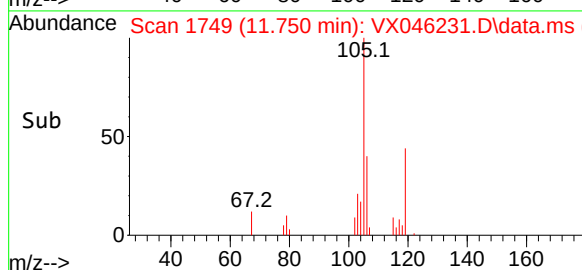
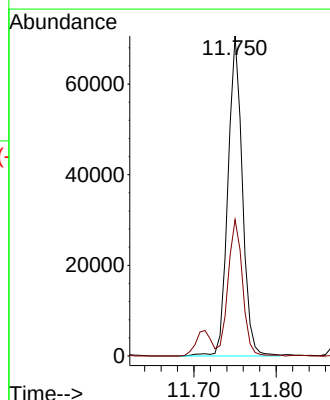
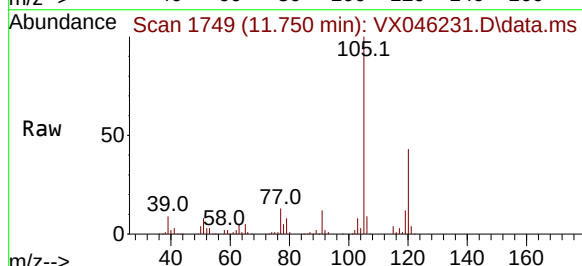
Acq: 16 May 2025 10:36

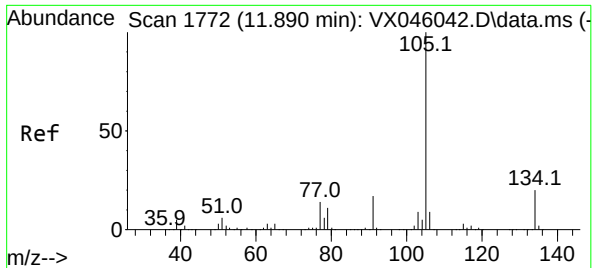
Tgt Ion:105 Resp: 86306

Ion Ratio Lower Upper

105 100

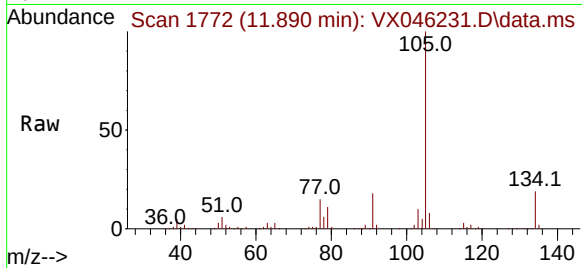
120 42.8 21.2 63.6





#85
 sec-Butylbenzene
 Concen: 20.133 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX046231.D
 Acq: 16 May 2025 10:36

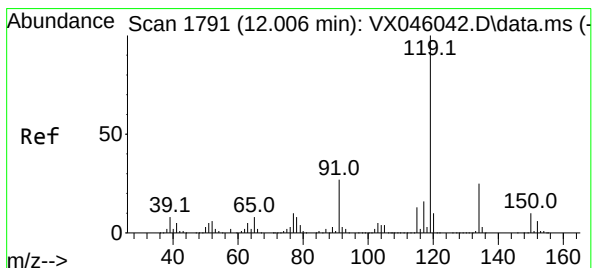
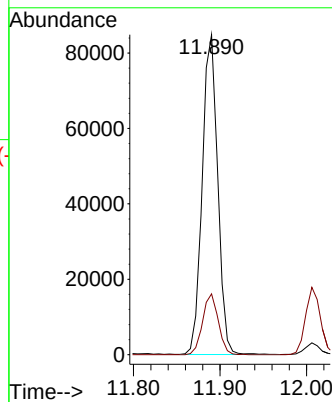
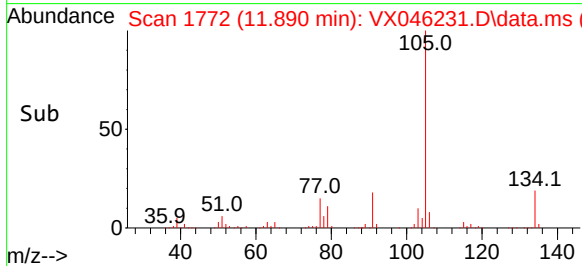
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516WBS01



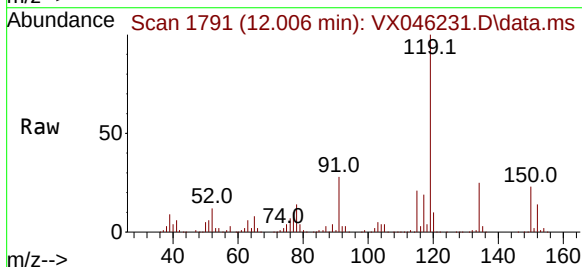
Tgt Ion:105 Resp: 105360
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.7 29.1

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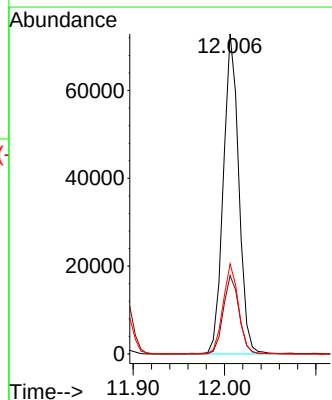
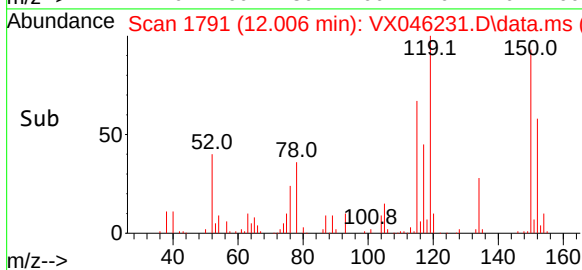
Reviewed By :John Carlone 05/19/2025
 Supervised By :Semsettin Yesilyurt 05/19/2025

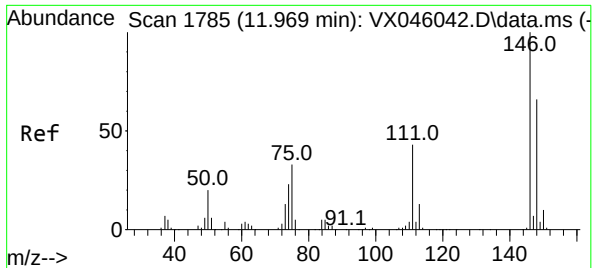


#86
 p-Isopropyltoluene
 Concen: 19.881 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. 0.000 min
 Lab File: VX046231.D
 Acq: 16 May 2025 10:36



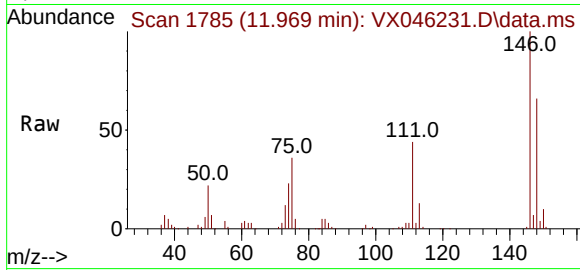
Tgt Ion:119 Resp: 85881
 Ion Ratio Lower Upper
 119 100
 134 24.9 12.5 37.5
 91 28.2 13.8 41.4





#87
1,3-Dichlorobenzene
Concen: 19.645 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX046231.D
Acq: 16 May 2025 10:36

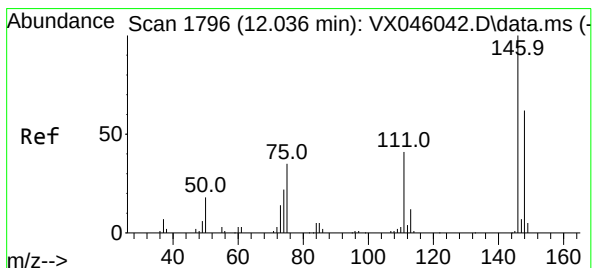
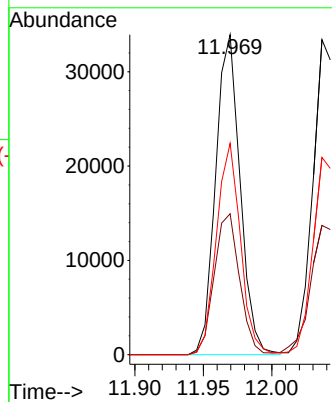
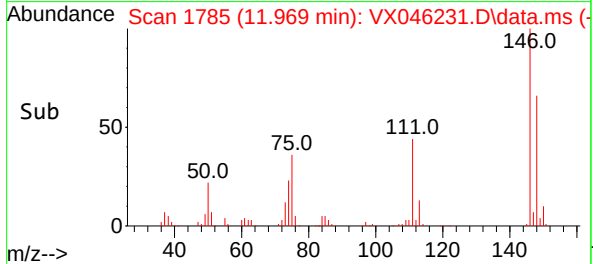
Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01



Tgt Ion:146 Resp: 42158
Ion Ratio Lower Upper
146 100
111 45.8 22.1 66.3
148 64.8 32.1 96.5

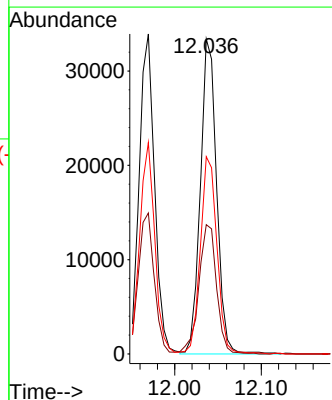
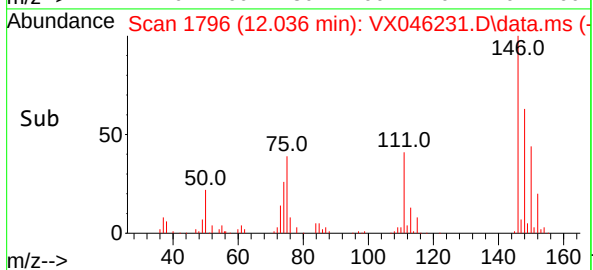
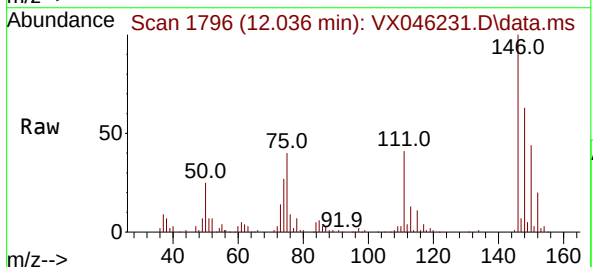
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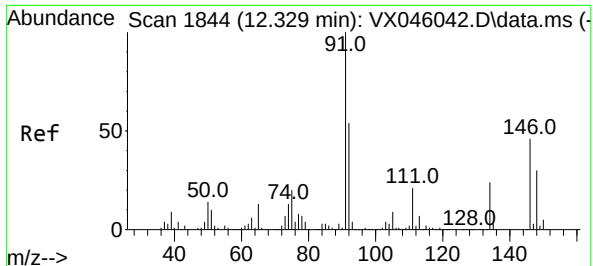
Reviewed By :John Carlone 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#88
1,4-Dichlorobenzene
Concen: 19.891 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX046231.D
Acq: 16 May 2025 10:36

Tgt Ion:146 Resp: 43594
Ion Ratio Lower Upper
146 100
111 44.9 21.3 63.9
148 64.1 31.9 95.5





#89

n-Butylbenzene

Concen: 19.484 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX046231.D

Acq: 16 May 2025 10:36

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

Tgt Ion: 91 Resp: 73820

Ion Ratio Lower Upper

91 100

92 51.1 26.9 80.7

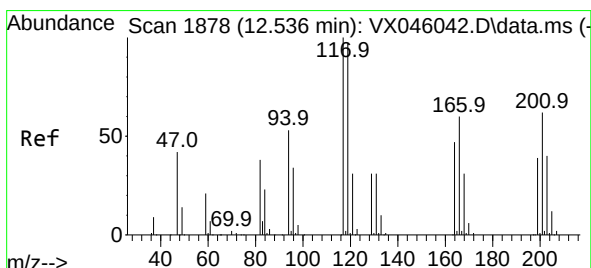
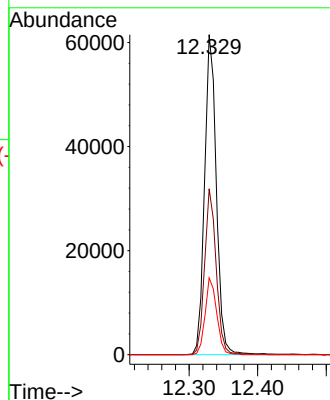
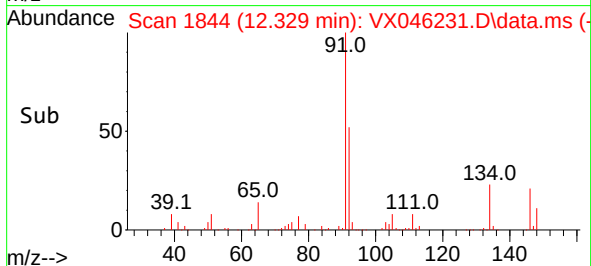
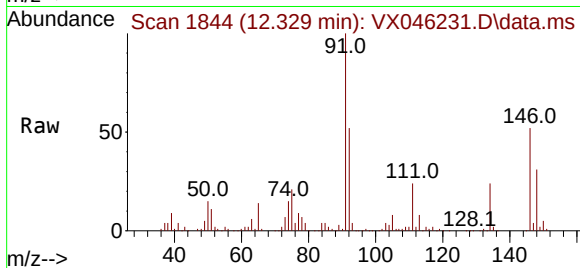
134 23.5 11.8 35.3

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Reviewed By :John Carlone 05/19/2025

Supervised By :Semsettin Yesilyurt 05/19/2025



#90

Hexachloroethane

Concen: 19.148 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX046231.D

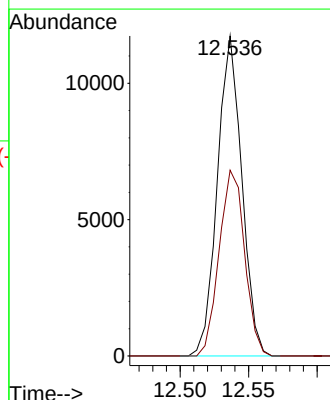
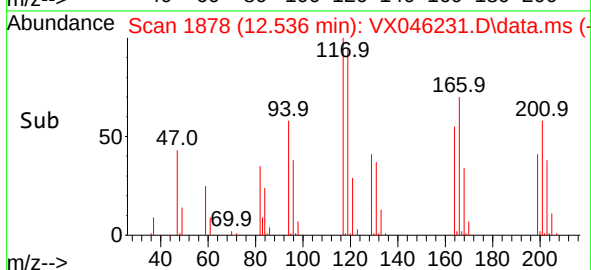
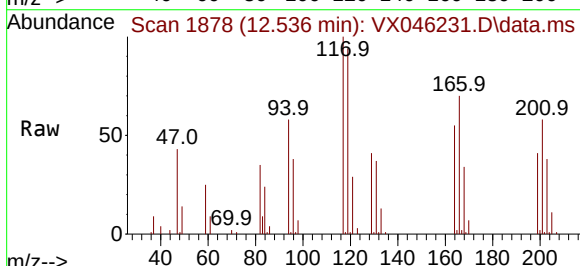
Acq: 16 May 2025 10:36

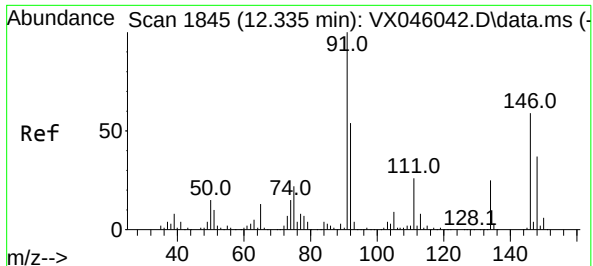
Tgt Ion:117 Resp: 14572

Ion Ratio Lower Upper

117 100

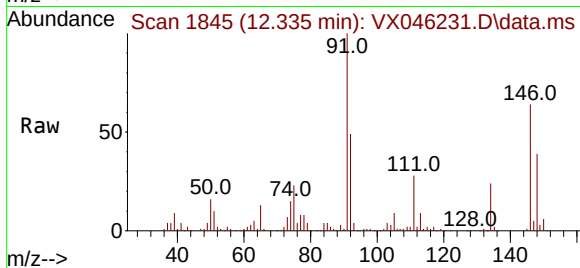
201 60.5 31.6 94.7





#91
1,2-Dichlorobenzene
Concen: 20.355 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX046231.D
Acq: 16 May 2025 10:36

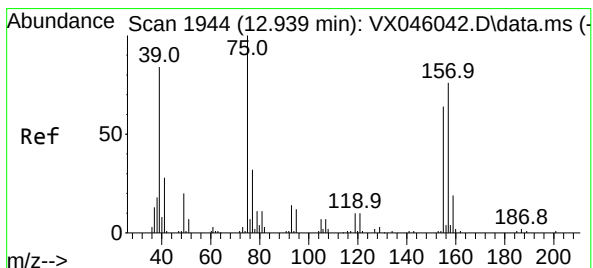
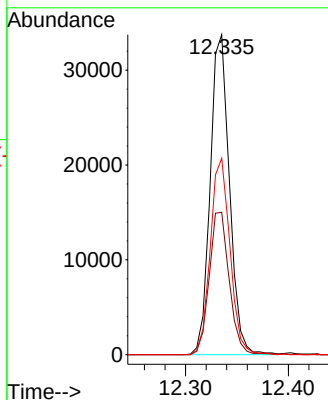
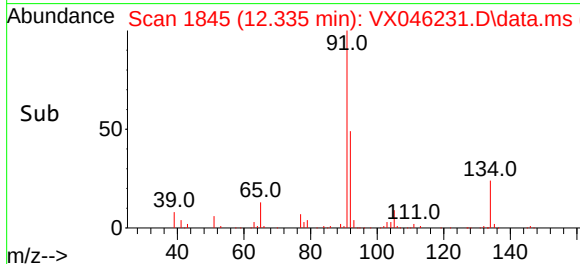
Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01



Tgt Ion:146 Resp: 43834
Ion Ratio Lower Upper
146 100
111 46.4 22.4 67.3
148 62.8 31.6 94.8

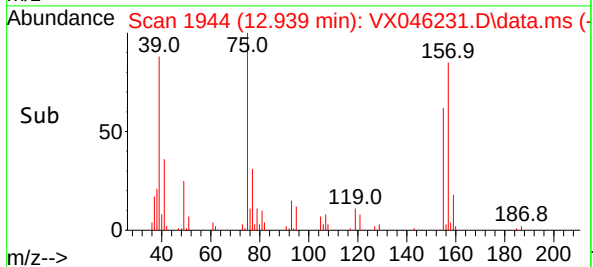
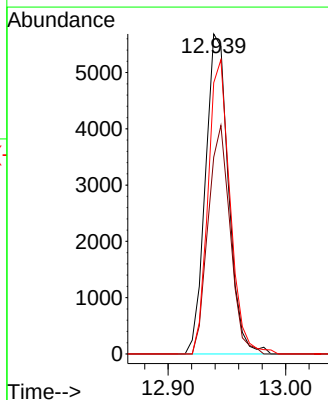
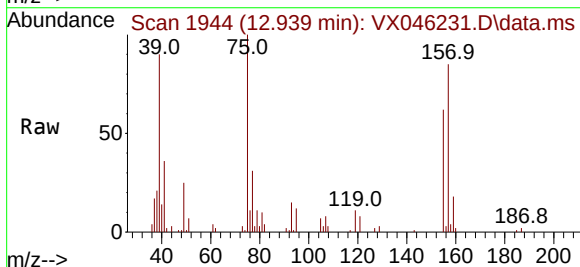
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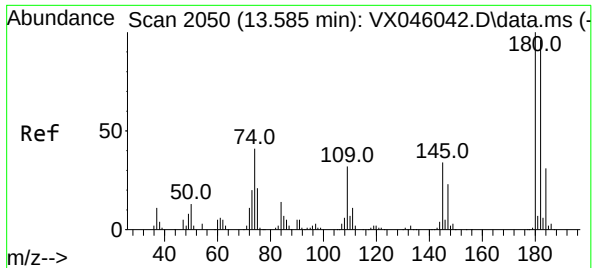
Reviewed By :John Carlone 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 19.639 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX046231.D
Acq: 16 May 2025 10:36

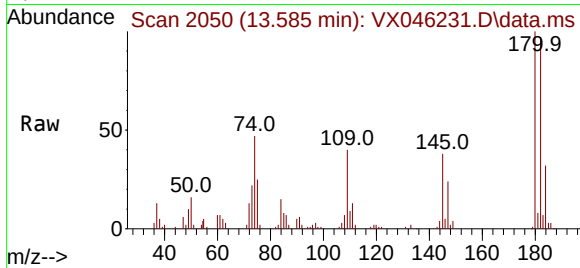
Tgt Ion: 75 Resp: 7722
Ion Ratio Lower Upper
75 100
155 68.4 34.9 104.8
157 87.9 43.8 131.4





#93
1,2,4-Trichlorobenzene
Concen: 17.519 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX046231.D
Acq: 16 May 2025 10:36

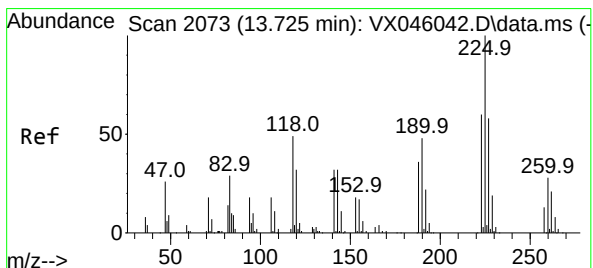
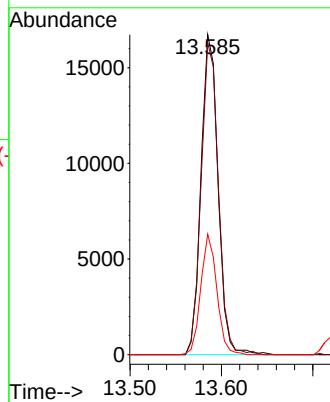
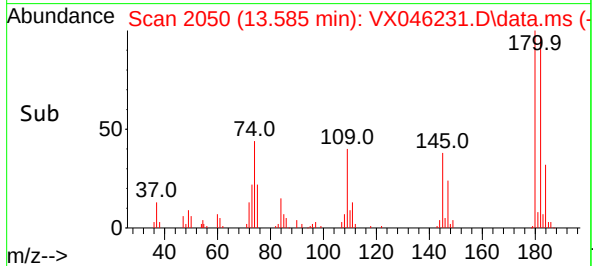
Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01



Tgt Ion:180 Resp: 21669
Ion Ratio Lower Upper
180 100
182 98.6 47.9 143.8
145 35.5 17.1 51.2

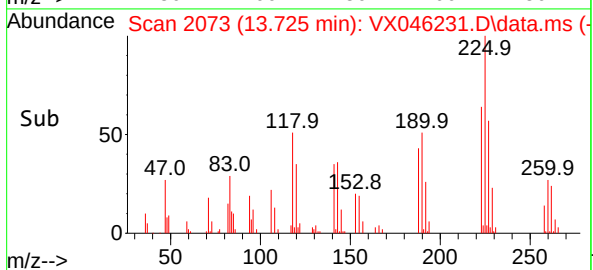
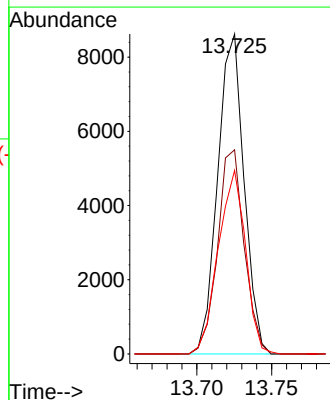
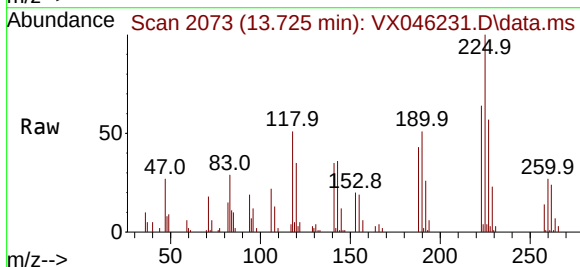
Manual Integrations
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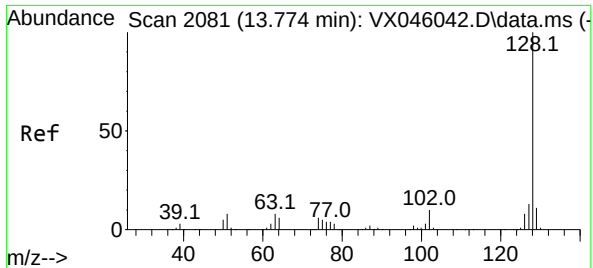
Reviewed By :John Carlone 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#94
Hexachlorobutadiene
Concen: 19.565 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX046231.D
Acq: 16 May 2025 10:36

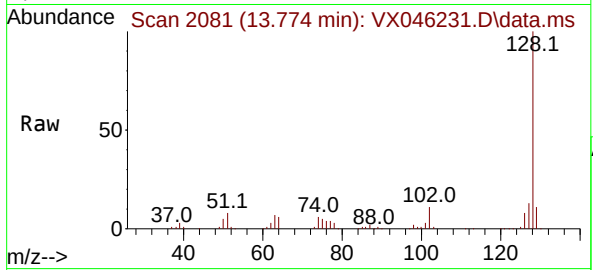
Tgt Ion:225 Resp: 10569
Ion Ratio Lower Upper
225 100
223 64.6 30.8 92.4
227 59.4 30.9 92.7





#95
Naphthalene
Concen: 18.342 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX046231.D
Acq: 16 May 2025 10:36

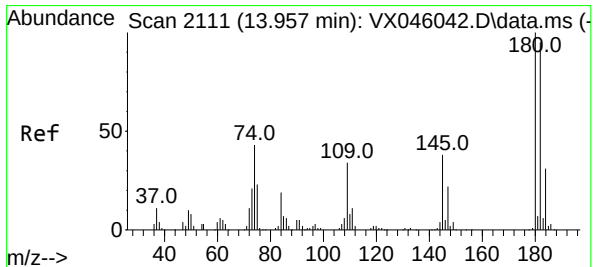
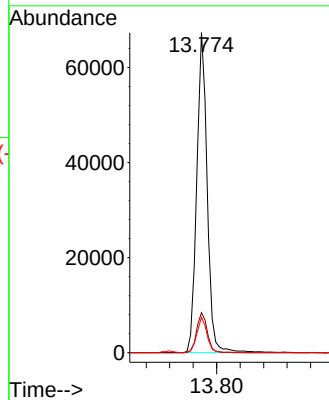
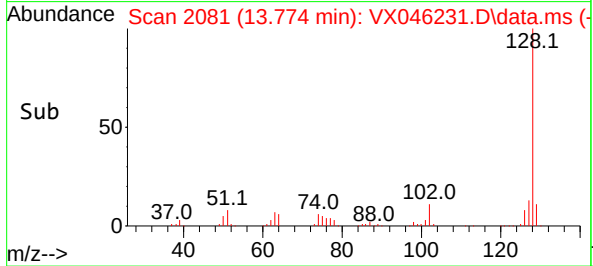
Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01



Tgt Ion:128 Resp: 83209
Ion Ratio Lower Upper
128 100
127 12.6 10.4 15.6
129 10.7 8.6 13.0

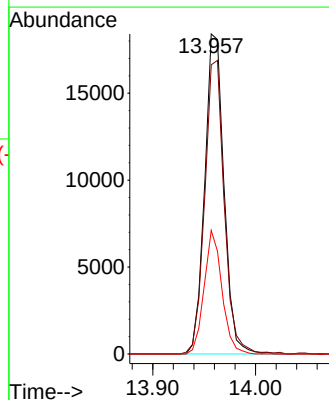
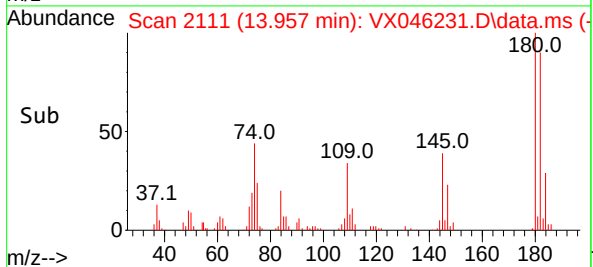
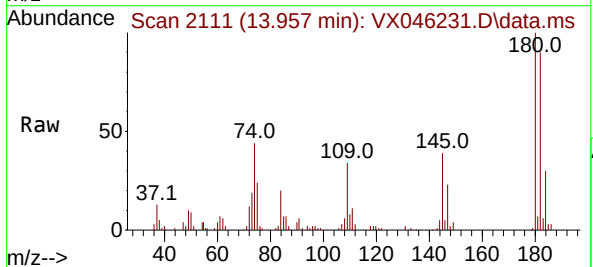
Manual Integrations
APPROVED

Reviewed By :John Carlone 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#96
1,2,3-Trichlorobenzene
Concen: 18.816 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX046231.D
Acq: 16 May 2025 10:36

Tgt Ion:180 Resp: 24014
Ion Ratio Lower Upper
180 100
182 93.3 47.8 143.3
145 35.7 18.1 54.3



Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	Somerset Hills Memorial Park	Date Received:	
Client Sample ID:	VX0516WBSD01	SDG No.:	Q2072
Lab Sample ID:	VX0516WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046232.D	1		05/16/25 11:01	VX051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	18.5		0.22	1.00	ug/L
74-87-3	Chloromethane	17.4		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	17.4		0.26	1.00	ug/L
74-83-9	Bromomethane	18.1		1.40	5.00	ug/L
75-00-3	Chloroethane	19.6		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.2		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.2		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.1		0.23	1.00	ug/L
67-64-1	Acetone	100		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	15.6		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.9		0.16	1.00	ug/L
79-20-9	Methyl Acetate	23.5		0.27	1.00	ug/L
75-09-2	Methylene Chloride	18.3		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.1		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.7		0.23	1.00	ug/L
110-82-7	Cyclohexane	18.3		1.50	5.00	ug/L
78-93-3	2-Butanone	110		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.2		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.1		0.19	1.00	ug/L
74-97-5	Bromochloromethane	19.0		0.22	1.00	ug/L
67-66-3	Chloroform	19.8		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.5		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	18.5		0.16	1.00	ug/L
71-43-2	Benzene	20.0		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.9		0.22	1.00	ug/L
79-01-6	Trichloroethene	19.7		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.9		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	21.2		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.68	5.00	ug/L
108-88-3	Toluene	20.3		0.14	1.00	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	Somerset Hills Memorial Park	Date Received:	
Client Sample ID:	VX0516WBSD01	SDG No.:	Q2072
Lab Sample ID:	VX0516WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046232.D	1		05/16/25 11:01	VX051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.5		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.3		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.9		0.21	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	21.1		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	21.3		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	20.2		0.23	1.00	ug/L
108-90-7	Chlorobenzene	19.5		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	19.7		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	40.0		0.24	2.00	ug/L
95-47-6	o-Xylene	20.1		0.12	1.00	ug/L
100-42-5	Styrene	20.3		0.15	1.00	ug/L
75-25-2	Bromoform	19.7		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	20.4		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.2		0.26	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	20.4		0.14	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.9		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.6		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.4		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	21.2		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.0		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.1		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.5		70 (74) - 130 (125)	99%	SPK: 50
1868-53-7	Dibromofluoromethane	51.6		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	51.5		70 (77) - 130 (121)	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	88400	5.544			
540-36-3	1,4-Difluorobenzene	151000	6.757			
3114-55-4	Chlorobenzene-d5	135000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	63700	12.018			

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	Somerset Hills Memorial Park	Date Received:	
Client Sample ID:	VX0516WBSD01	SDG No.:	Q2072
Lab Sample ID:	VX0516WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046232.D	1		05/16/25 11:01	VX051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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\VX051625\
 Data File : VX046232.D
 Acq On : 16 May 2025 11:01
 Operator : JC/MD
 Sample : VX0516WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/19/2025
 Supervised By : Mahesh Dadoda 05/19/2025

Quant Time: May 16 23:01:05 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	88353	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	151068	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	134956	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	63717	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	81601	49.540	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.080%		
35) Dibromofluoromethane	5.379	113	56154	51.619	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.240%		
50) Toluene-d8	8.647	98	189597	50.355	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.720%		
62) 4-Bromofluorobenzene	11.079	95	74433	51.537	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	103.080%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	25082	18.548	ug/l	95
3) Chloromethane	1.307	50	22778	17.369	ug/l	97
4) Vinyl Chloride	1.374	62	21238	17.401	ug/l	95
5) Bromomethane	1.593	94	10223	18.059	ug/l	99
6) Chloroethane	1.673	64	12794	19.636	ug/l	98
7) Trichlorofluoromethane	1.874	101	34675	19.223	ug/l	99
8) Diethyl Ether	2.136	74	11555	18.818	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	21420	19.189	ug/l	99
10) Methyl Iodide	2.447	142	22811	17.270	ug/l	100
11) Tert butyl alcohol	2.971	59	24022	103.895	ug/l	99
12) 1,1-Dichloroethene	2.313	96	18925	18.064	ug/l	96
13) Acrolein	2.233	56	24592	93.393	ug/l	98
14) Allyl chloride	2.660	41	39327	19.641	ug/l	95
15) Acrylonitrile	3.063	53	70027	105.918	ug/l	99
16) Acetone	2.380	43	67264	101.847	ug/l	99
17) Carbon Disulfide	2.502	76	38730	15.593	ug/l	99
18) Methyl Acetate	2.703	43	36039	23.515	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	73263	19.946	ug/l	95
20) Methylene Chloride	2.782	84	23162	18.301	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	19102	18.131	ug/l	97
22) Diisopropyl ether	3.764	45	77955	20.156	ug/l	97
23) Vinyl Acetate	3.721	43	341111	100.276	ug/l	99
24) 1,1-Dichloroethane	3.605	63	42367	19.667	ug/l	99
25) 2-Butanone	4.556	43	101848	106.222	ug/l	98
26) 2,2-Dichloropropane	4.465	77	31552	18.713	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	24247	19.117	ug/l	99
28) Bromochloromethane	4.898	49	19668	18.968	ug/l	98
29) Tetrahydrofuran	5.001	42	63610	105.872	ug/l	98
30) Chloroform	5.087	83	44518	19.827	ug/l	92
31) Cyclohexane	5.458	56	35911	18.294	ug/l	89
32) 1,1,1-Trichloroethane	5.373	97	37902	19.473	ug/l	99
36) 1,1-Dichloropropene	5.684	75	28122	19.240	ug/l	99
37) Ethyl Acetate	4.715	43	38285	21.201	ug/l	98
38) Carbon Tetrachloride	5.672	117	31550	19.211	ug/l	99
39) Methylcyclohexane	7.373	83	34868	18.530	ug/l	95
40) Benzene	6.038	78	85436	19.956	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051625\
 Data File : VX046232.D
 Acq On : 16 May 2025 11:01
 Operator : JC/MD
 Sample : VX0516WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516WBSD01

Manual Integrations
 APPROVED

Reviewed By :John Carlone 05/19/2025
 Supervised By :Mahesh Dadoda 05/19/2025

Quant Time: May 16 23:01:05 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	21075	22.310	ug/l	96
42) 1,2-Dichloroethane	6.080	62	38548	20.862	ug/l	99
43) Isopropyl Acetate	6.342	43	57854	21.000	ug/l	99
44) Trichloroethene	7.123	130	20348	19.747	ug/l	97
45) 1,2-Dichloropropane	7.428	63	22208	20.861	ug/l	97
46) Dibromomethane	7.580	93	17621	20.987	ug/l	98
47) Bromodichloromethane	7.818	83	35075	21.210	ug/l	95
48) Methyl methacrylate	7.690	41	30953	22.000	ug/l	97
49) 1,4-Dioxane	7.659	88	11846	443.430	ug/l	96
51) 4-Methyl-2-Pentanone	8.568	43	200886	109.853	ug/l	100
52) Toluene	8.714	92	53216	20.271	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	28679	19.511	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	32980	20.300	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	21611	20.878	ug/l	98
56) Ethyl methacrylate	9.116	69	35846	21.728	ug/l	98
57) 1,3-Dichloropropane	9.305	76	38110	20.500	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	84515	100.484	ug/l	100
59) 2-Hexanone	9.427	43	151872	112.255	ug/l	99
60) Dibromochloromethane	9.519	129	23978	21.092	ug/l	99
61) 1,2-Dibromoethane	9.604	107	22877	21.264	ug/l	98
64) Tetrachloroethene	9.269	164	19249	20.159	ug/l	93
65) Chlorobenzene	10.080	112	57734	19.545	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	19963	19.792	ug/l	99
67) Ethyl Benzene	10.189	91	102815	19.746	ug/l	100
68) m/p-Xylenes	10.299	106	76209	40.018	ug/l	97
69) o-Xylene	10.640	106	37233	20.055	ug/l	97
70) Styrene	10.653	104	61765	20.309	ug/l	98
71) Bromoform	10.799	173	14898	19.673	ug/l #	98
73) Isopropylbenzene	10.957	105	101181	20.397	ug/l	99
74) N-amyl acetate	10.842	43	49723	20.285	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	35191	20.244	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	31872m	20.781	ug/l	
77) Bromobenzene	11.195	156	23114	20.070	ug/l	99
78) n-propylbenzene	11.299	91	117330	20.342	ug/l	100
79) 2-Chlorotoluene	11.360	91	74235	19.954	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	86060	20.766	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	8753	18.581	ug/l	91
82) 4-Chlorotoluene	11.451	91	83730	20.295	ug/l	99
83) tert-Butylbenzene	11.713	119	84059	20.137	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	85584	20.393	ug/l	100
85) sec-Butylbenzene	11.890	105	105170	20.519	ug/l	99
86) p-Isopropyltoluene	12.006	119	86620	20.474	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	41814	19.894	ug/l	100
88) 1,4-Dichlorobenzene	12.037	146	42145	19.634	ug/l	99
89) n-Butylbenzene	12.329	91	73715	19.864	ug/l	99
90) Hexachloroethane	12.536	117	14098	18.915	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	43127	20.448	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	8172	21.220	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	23011	18.995	ug/l	96
94) Hexachlorobutadiene	13.725	225	10364	19.589	ug/l	98
95) Naphthalene	13.774	128	84231	18.958	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	23883	19.107	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051625\
Data File : VX046232.D
Acq On : 16 May 2025 11:01
Operator : JC/MD
Sample : VX0516WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025

Quant Time: May 16 23:01:05 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

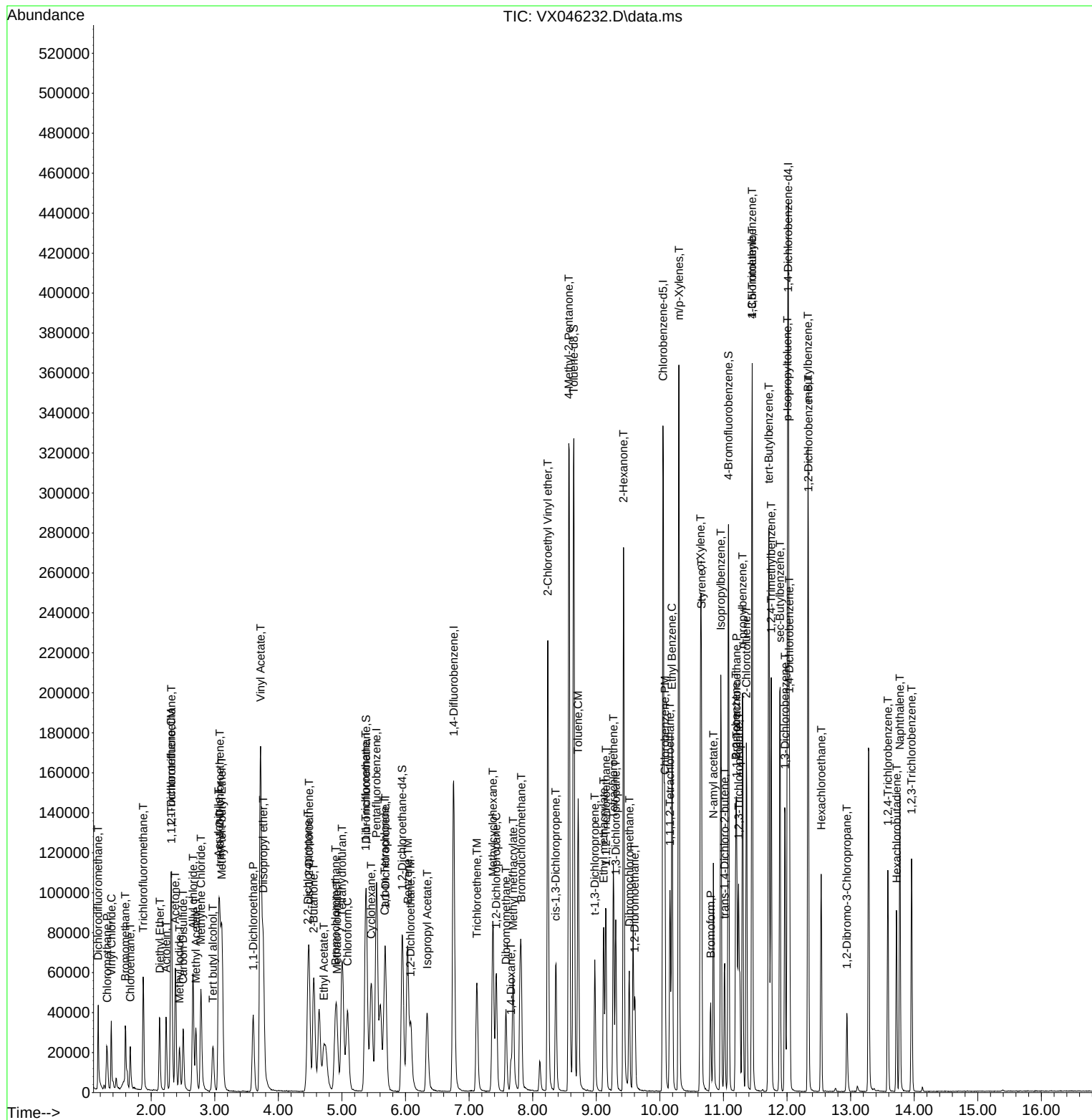
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 Data File : VX046232.D
 Acq On : 16 May 2025 11:01
 Operator : JC/MD
 Sample : VX0516WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

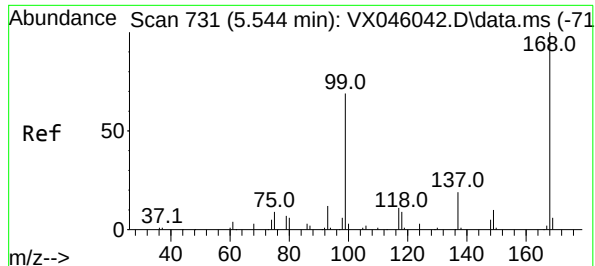
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516WBSD01

Manual Integrations APPROVED

Reviewed By : John Carlone 05/19/2025
 Supervised By : Mahesh Dadoda 05/19/2025

Quant Time: May 16 23:01:05 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





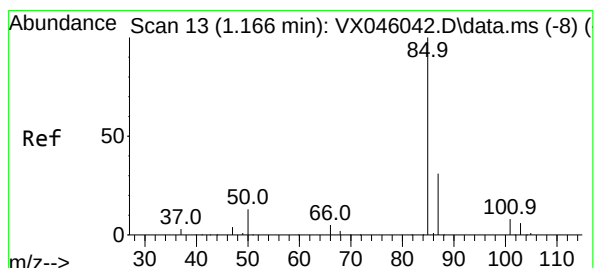
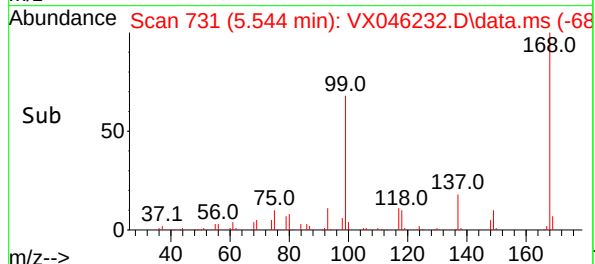
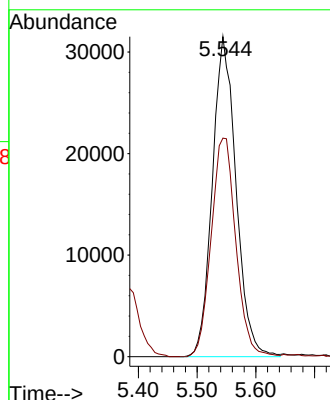
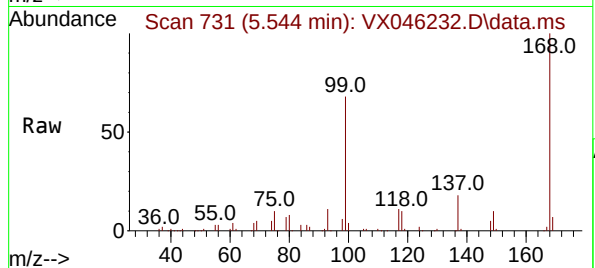
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046232.D
Acq: 16 May 2025 11:01

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBSD01

Tgt Ion:168 Resp: 8835
Ion Ratio Lower Upper
168 100
99 68.3 54.9 82.3

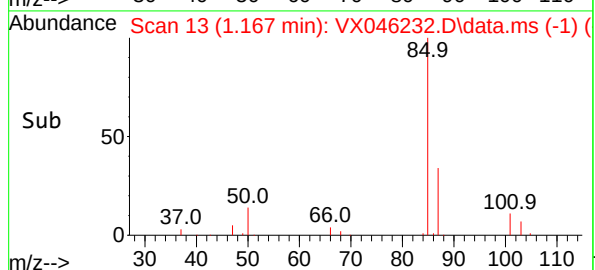
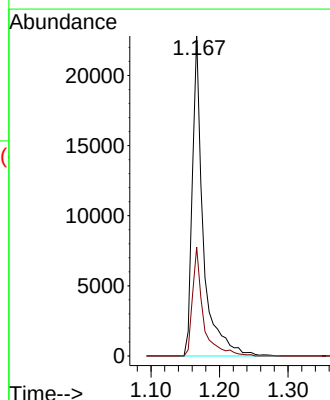
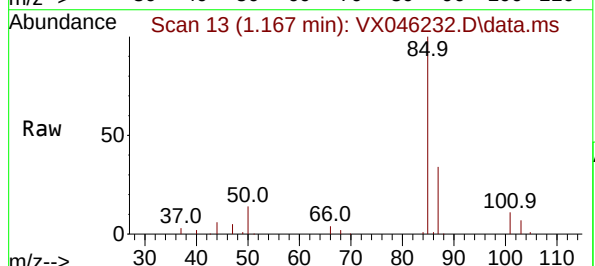
Manual Integrations
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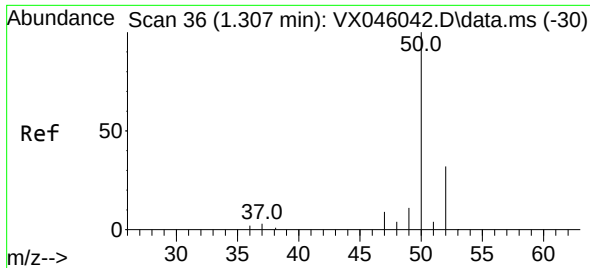
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#2
Dichlorodifluoromethane
Concen: 18.548 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX046232.D
Acq: 16 May 2025 11:01

Tgt Ion: 85 Resp: 25082
Ion Ratio Lower Upper
85 100
87 34.1 15.7 47.1





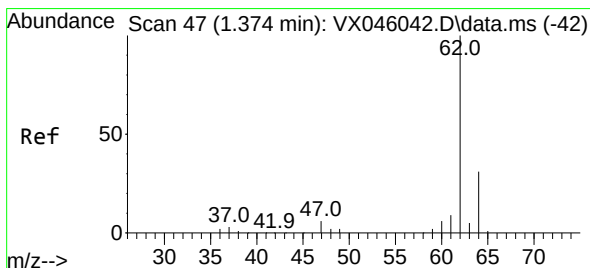
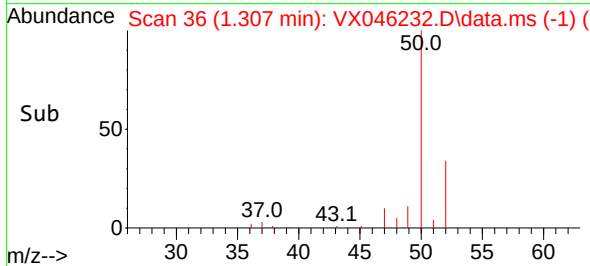
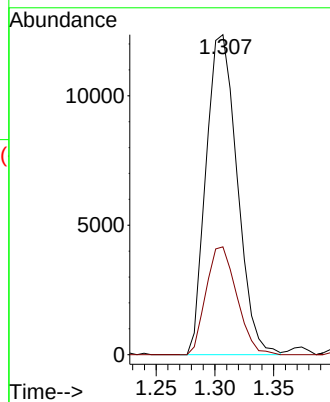
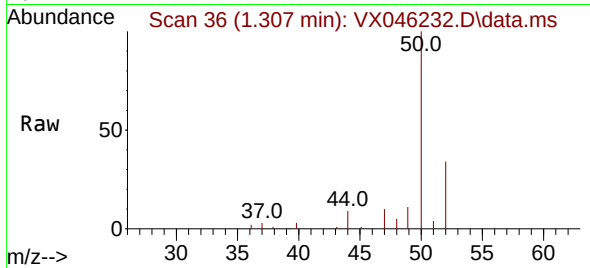
#3
Chloromethane
Concen: 17.369 ug/l
RT: 1.307 min Scan# 30
Delta R.T. 0.000 min
Lab File: VX046232.D
Acq: 16 May 2025 11:01

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBSD01

Tgt Ion: 50 Resp: 22778
Ion Ratio Lower Upper
50 100
52 33.7 25.4 38.2

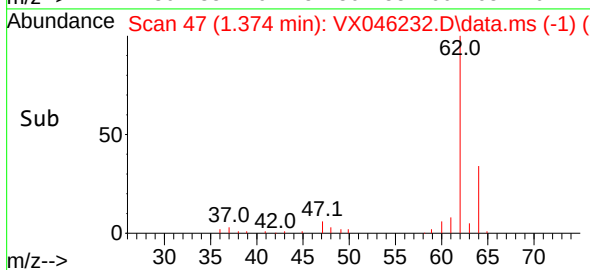
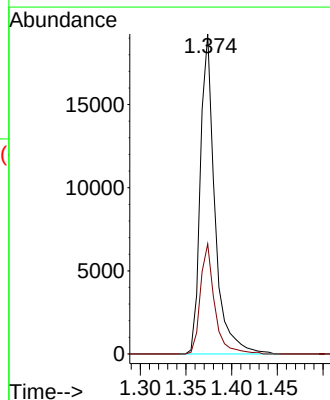
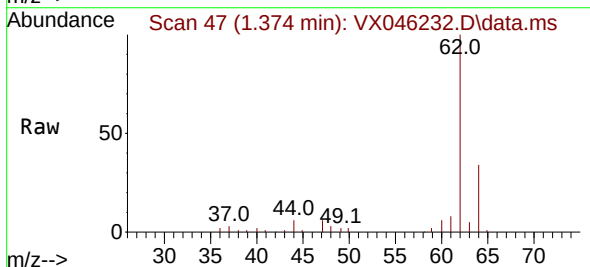
Manual Integrations
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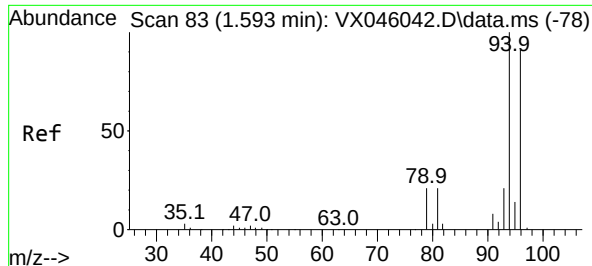
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#4
Vinyl Chloride
Concen: 17.401 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX046232.D
Acq: 16 May 2025 11:01

Tgt Ion: 62 Resp: 21238
Ion Ratio Lower Upper
62 100
64 34.4 25.2 37.8





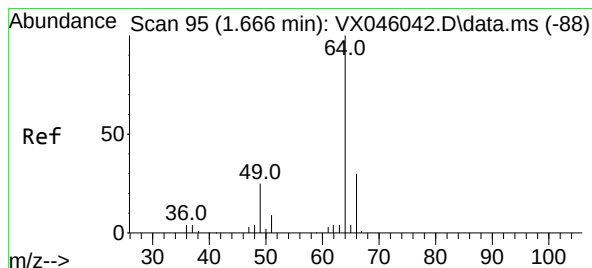
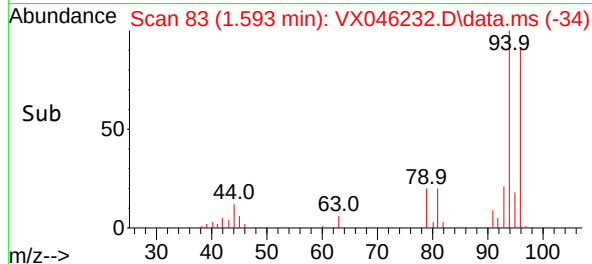
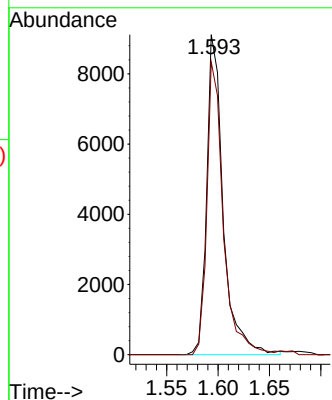
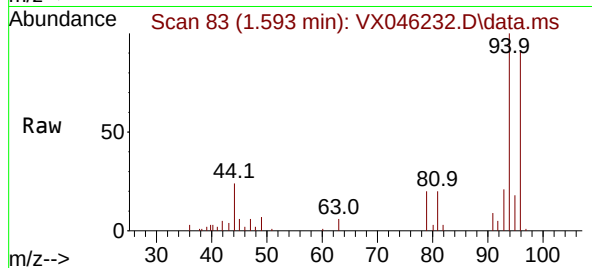
#5
Bromomethane
Concen: 18.059 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX046232.D
Acq: 16 May 2025 11:01

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBSD01

Tgt Ion: 94 Resp: 1022
Ion Ratio Lower Upper
94 100
96 91.5 72.8 109.2

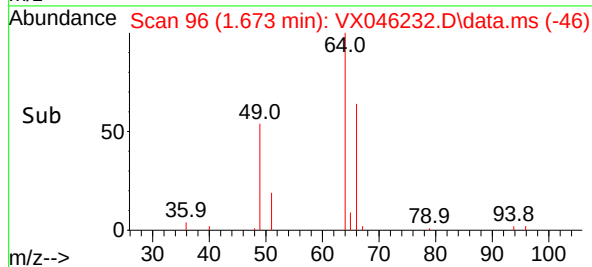
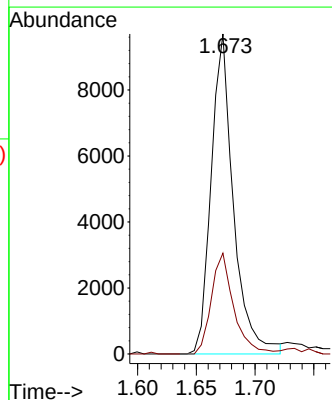
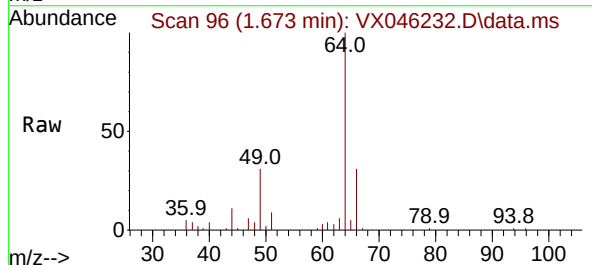
Manual Integrations
APPROVED

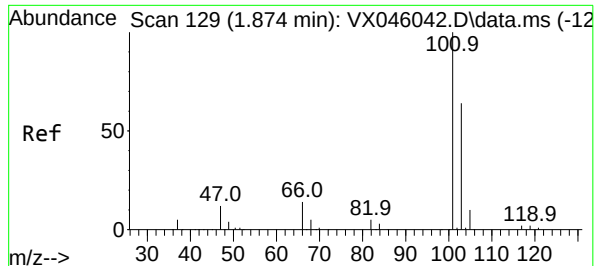
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#6
Chloroethane
Concen: 19.636 ug/l
RT: 1.673 min Scan# 96
Delta R.T. 0.006 min
Lab File: VX046232.D
Acq: 16 May 2025 11:01

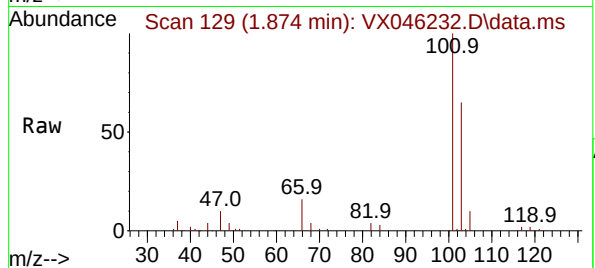
Tgt Ion: 64 Resp: 12794
Ion Ratio Lower Upper
64 100
66 31.5 24.3 36.5





#7
Trichlorofluoromethane
Concen: 19.223 ug/l
RT: 1.874 min Scan# 129
Delta R.T. 0.000 min
Lab File: VX046232.D
Acq: 16 May 2025 11:01

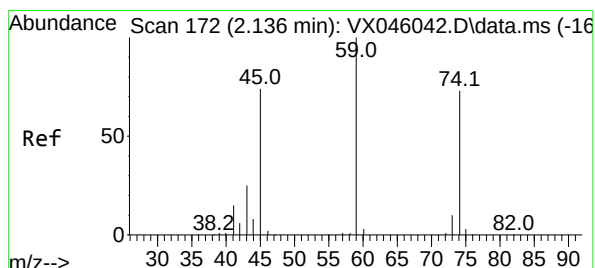
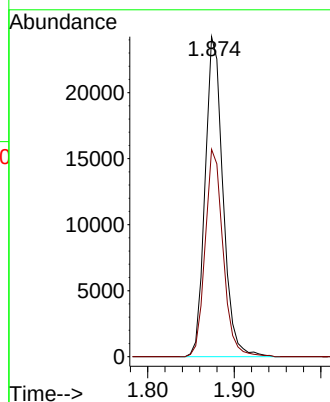
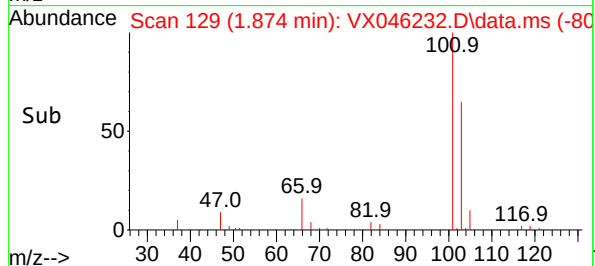
Instrument :
MSVOA_X
ClientSampleId :
VX0516WBSD01



Tgt Ion:101 Resp: 3467
Ion Ratio Lower Upper
101 100
103 64.8 51.0 76.4

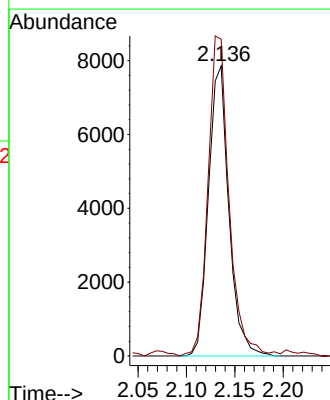
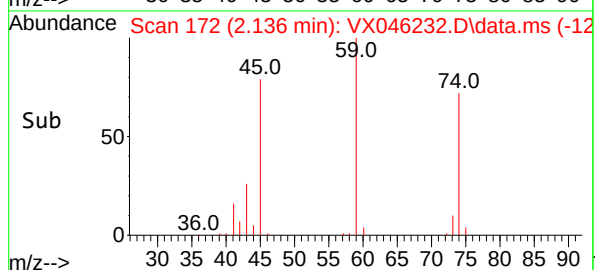
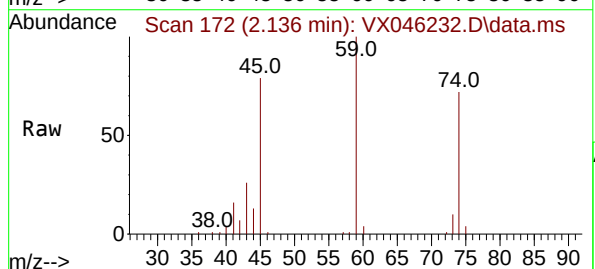
Manual Integrations
APPROVED

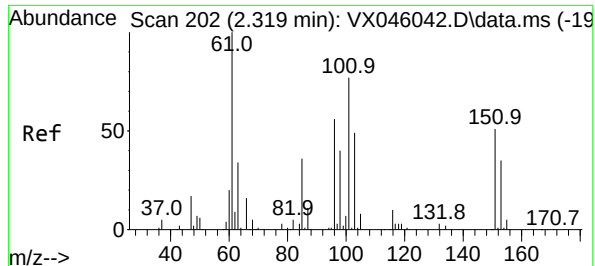
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#8
Diethyl Ether
Concen: 18.818 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX046232.D
Acq: 16 May 2025 11:01

Tgt Ion: 74 Resp: 11555
Ion Ratio Lower Upper
74 100
45 113.4 54.9 164.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.189 ug/l

RT: 2.319 min Scan# 202

Delta R.T. 0.000 min

Lab File: VX046232.D

Acq: 16 May 2025 11:01

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBSD01

Tgt Ion:101 Resp: 21420

Ion Ratio Lower Upper

101 100

85 48.5 38.6 58.0

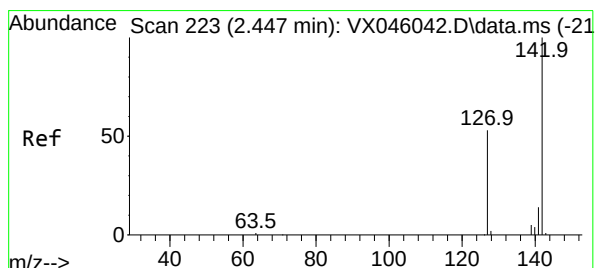
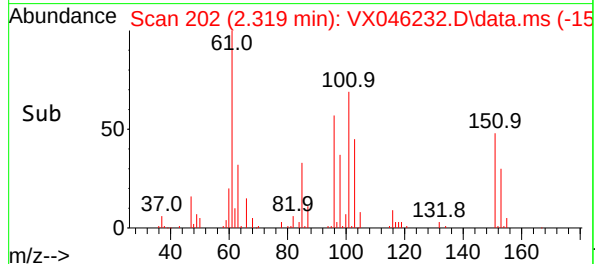
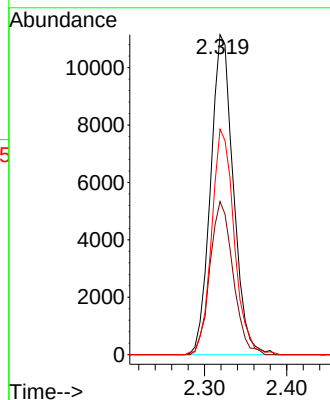
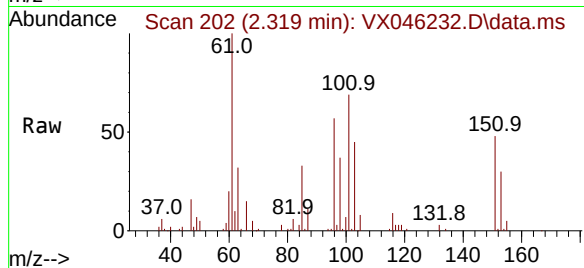
151 70.1 55.2 82.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#10

Methyl Iodide

Concen: 17.270 ug/l

RT: 2.447 min Scan# 223

Delta R.T. 0.000 min

Lab File: VX046232.D

Acq: 16 May 2025 11:01

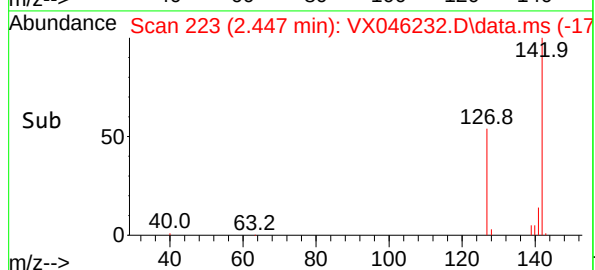
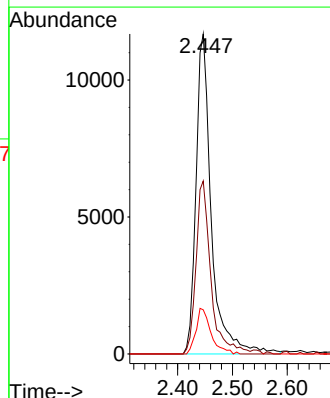
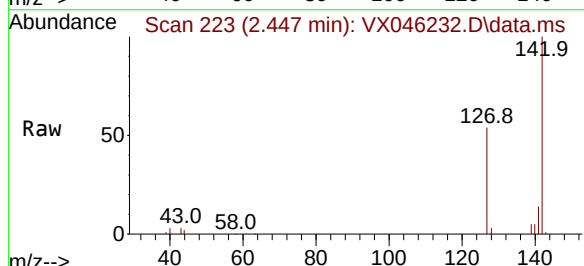
Tgt Ion:142 Resp: 22811

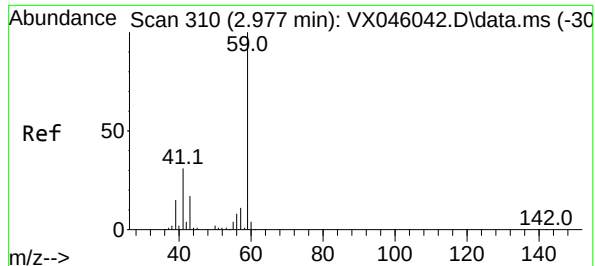
Ion Ratio Lower Upper

142 100

127 52.2 41.7 62.5

141 13.9 11.5 17.3





#11

Tert butyl alcohol

Concen: 103.895 ug/l

RT: 2.971 min Scan# 310

Delta R.T. -0.006 min

Lab File: VX046232.D

Acq: 16 May 2025 11:01

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBSD01

Tgt Ion: 59 Resp: 2402

Ion Ratio Lower Upper

59 100

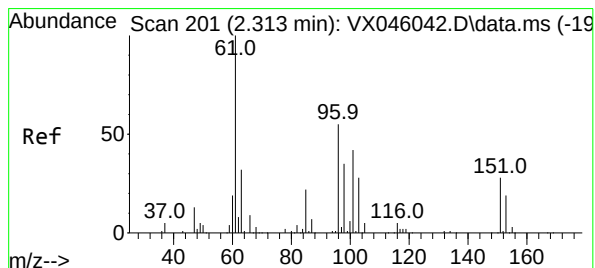
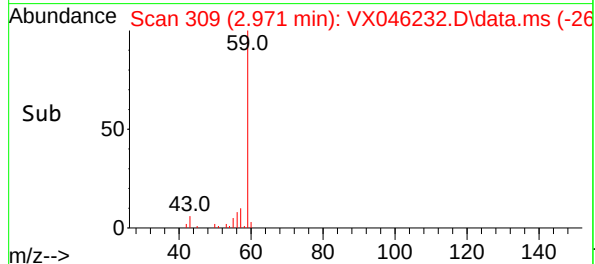
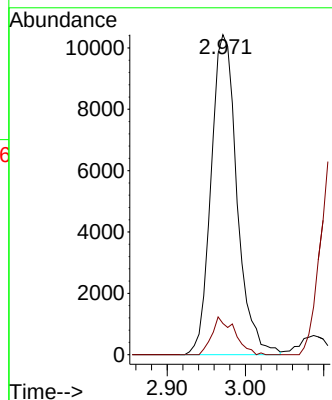
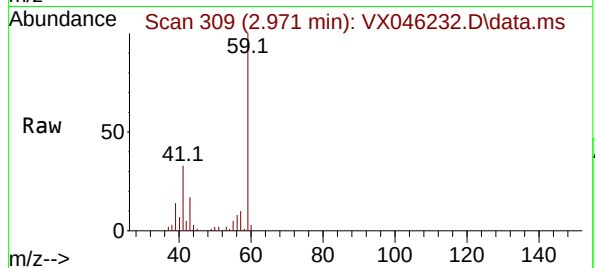
57 10.4 8.6 12.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#12

1,1-Dichloroethene

Concen: 18.064 ug/l

RT: 2.313 min Scan# 201

Delta R.T. 0.000 min

Lab File: VX046232.D

Acq: 16 May 2025 11:01

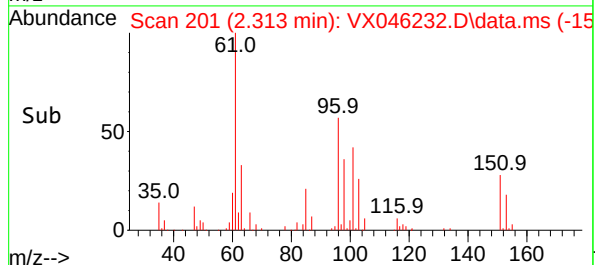
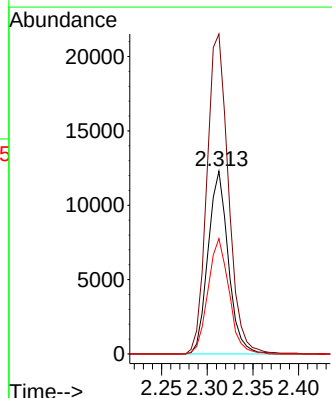
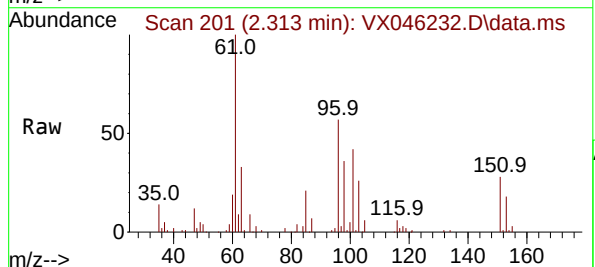
Tgt Ion: 96 Resp: 18925

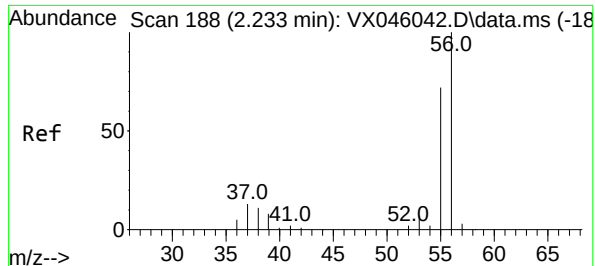
Ion Ratio Lower Upper

96 100

61 175.1 146.2 219.2

98 63.1 51.0 76.6





#13

Acrolein

Concen: 93.393 ug/l

RT: 2.233 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX046232.D

Acq: 16 May 2025 11:01

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBSD01

Tgt Ion: 56 Resp: 24592

Ion Ratio Lower Upper

56 100

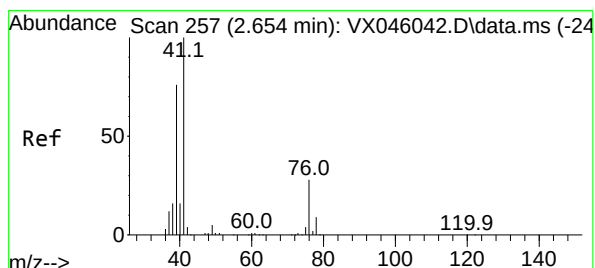
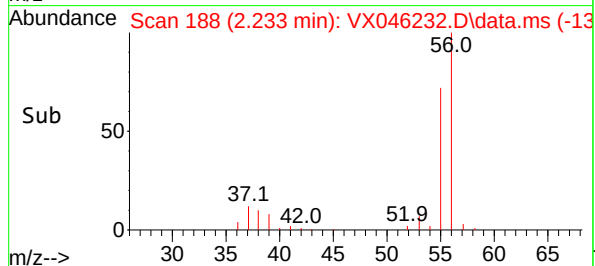
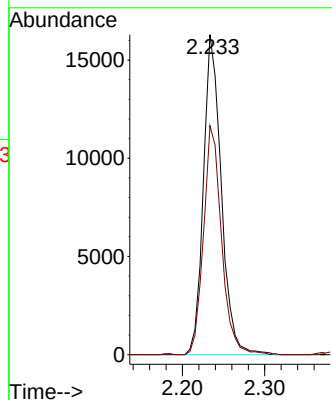
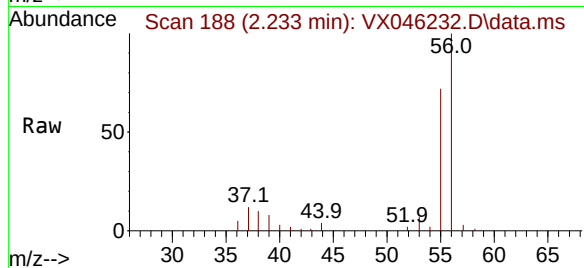
55 72.2 56.2 84.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#14

Allyl chloride

Concen: 19.641 ug/l

RT: 2.660 min Scan# 258

Delta R.T. 0.006 min

Lab File: VX046232.D

Acq: 16 May 2025 11:01

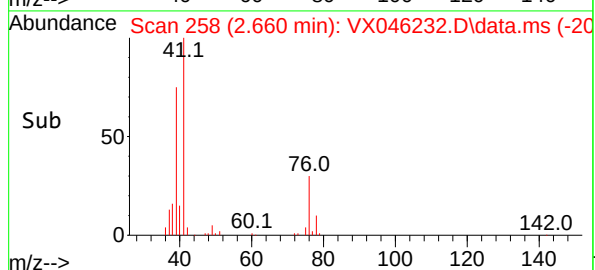
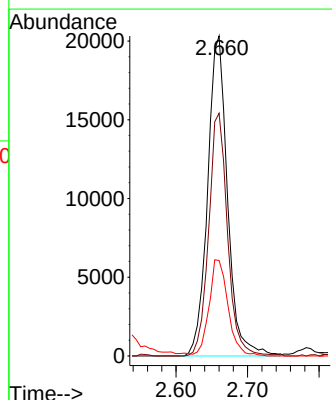
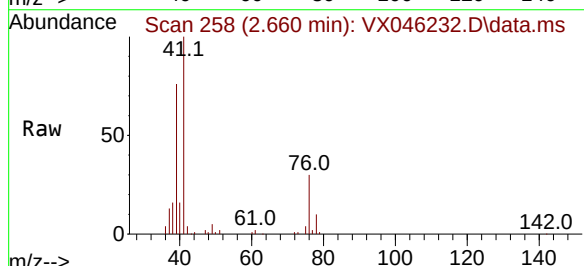
Tgt Ion: 41 Resp: 39327

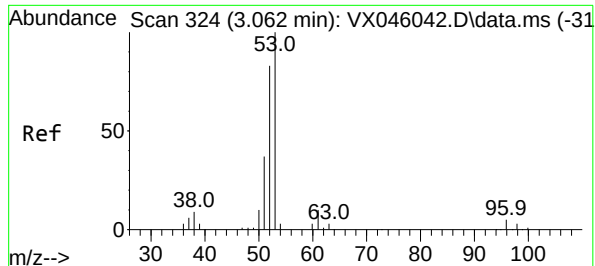
Ion Ratio Lower Upper

41 100

39 71.8 60.6 90.8

76 28.6 24.9 37.3





#15

Acrylonitrile

Concen: 105.918 ug/l

RT: 3.063 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX046232.D

Acq: 16 May 2025 11:01

Instrument :

MSVOA_X

ClientSampleId :

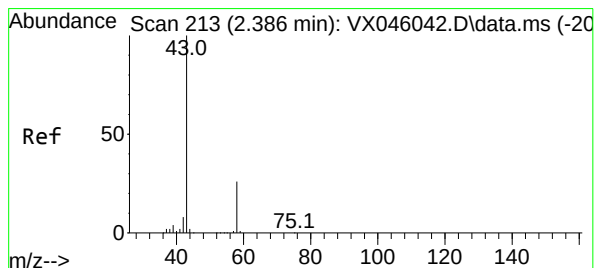
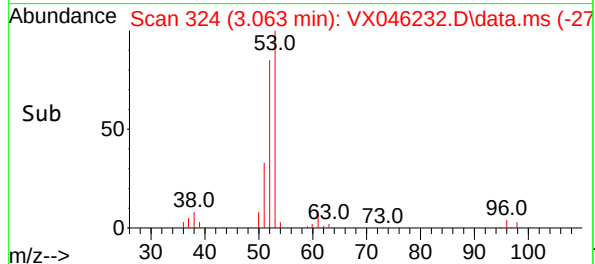
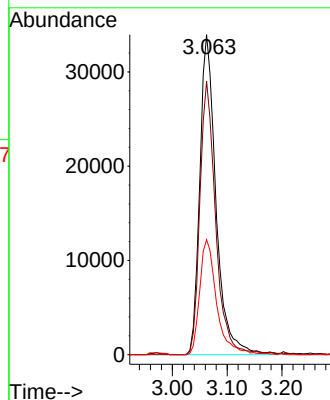
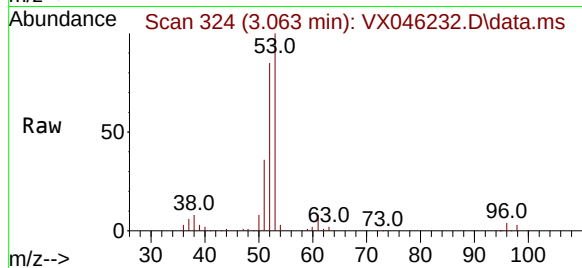
VX0516WBSD01

Tgt Ion: 53	Resp: 7002
Ion Ratio	Lower Upper
53 100	
52 82.8	65.3 97.9
51 37.6	29.8 44.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#16

Acetone

Concen: 101.847 ug/l

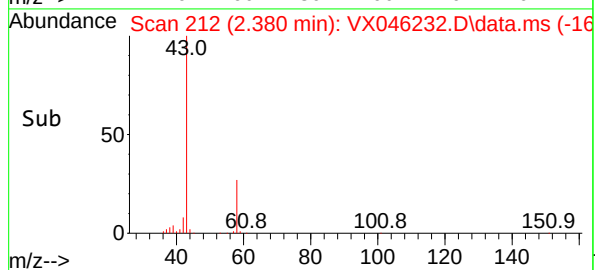
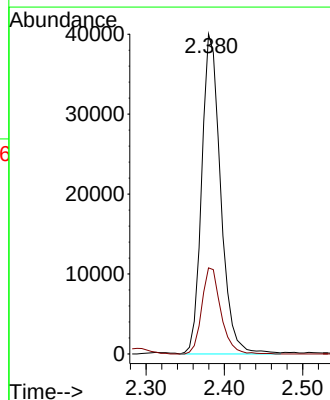
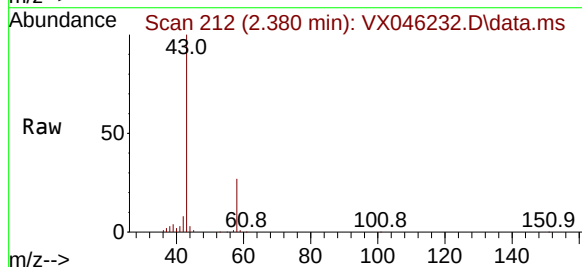
RT: 2.380 min Scan# 212

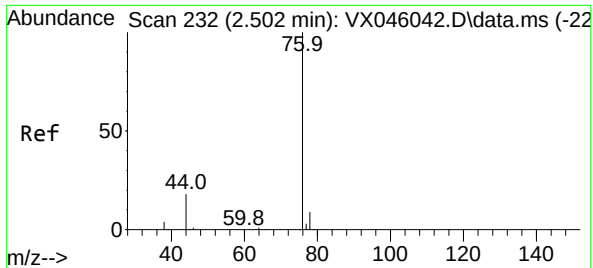
Delta R.T. -0.006 min

Lab File: VX046232.D

Acq: 16 May 2025 11:01

Tgt Ion: 43	Resp: 67264
Ion Ratio	Lower Upper
43 100	
58 26.9	21.2 31.8





#17

Carbon Disulfide

Concen: 15.593 ug/l

RT: 2.502 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX046232.D

Acq: 16 May 2025 11:01

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBSD01

Tgt Ion: 76 Resp: 38730

Ion Ratio Lower Upper

76 100

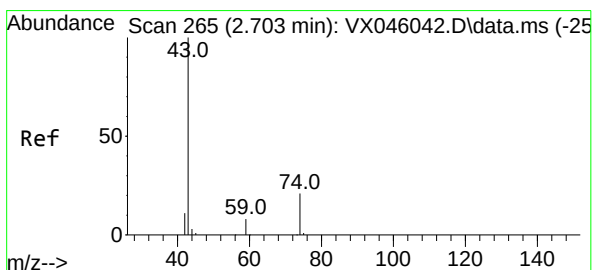
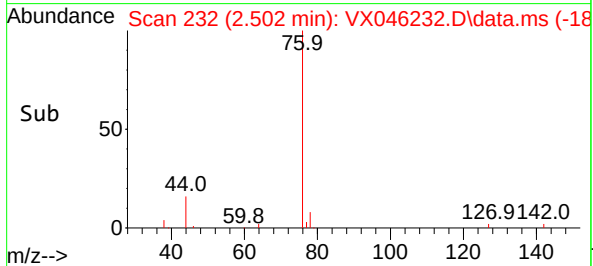
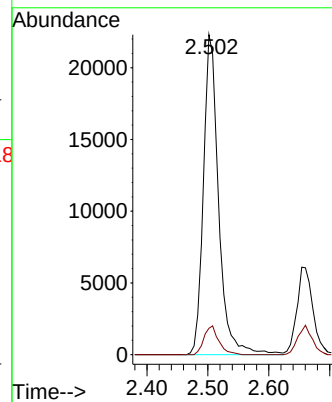
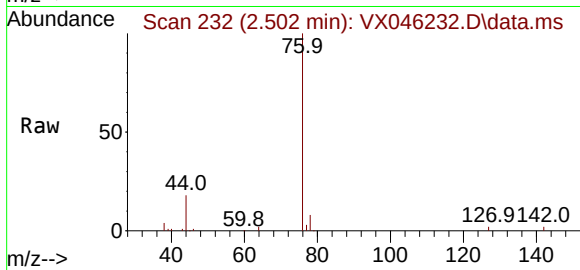
78 8.2 7.0 10.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#18

Methyl Acetate

Concen: 23.515 ug/l

RT: 2.703 min Scan# 265

Delta R.T. 0.000 min

Lab File: VX046232.D

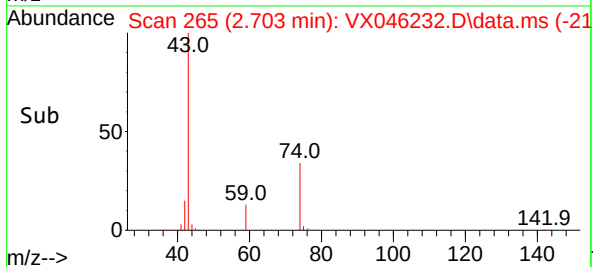
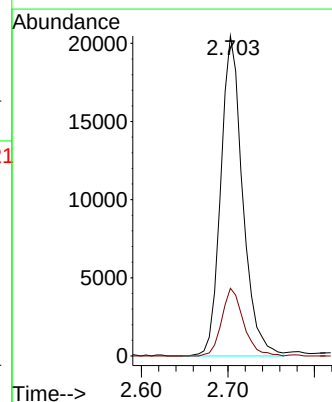
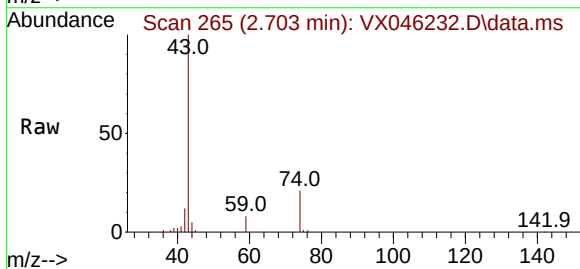
Acq: 16 May 2025 11:01

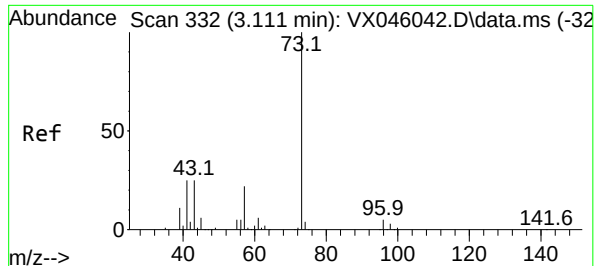
Tgt Ion: 43 Resp: 36039

Ion Ratio Lower Upper

43 100

74 20.9 16.7 25.1





#19

Methyl tert-butyl Ether

Concen: 19.946 ug/l

RT: 3.111 min Scan# 311

Delta R.T. 0.000 min

Lab File: VX046232.D

Acq: 16 May 2025 11:01

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBSD01

Tgt Ion: 73 Resp: 7326

Ion Ratio Lower Upper

73 100

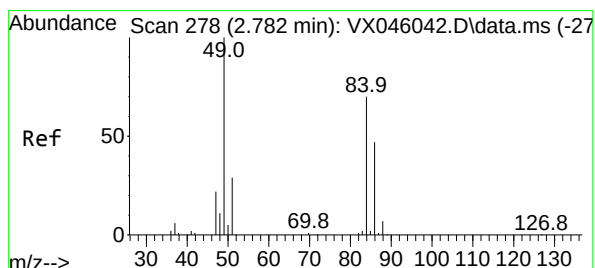
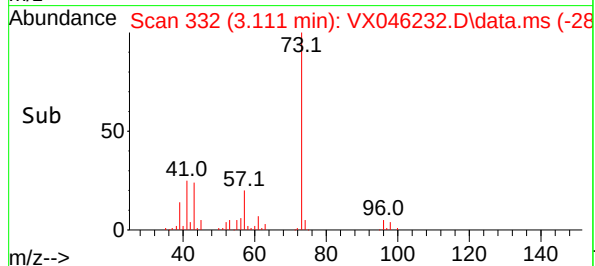
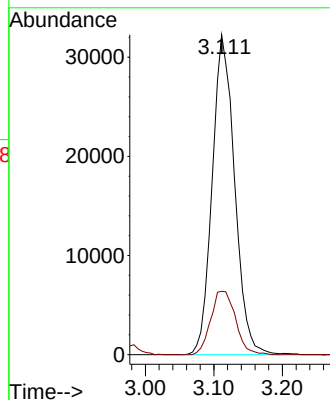
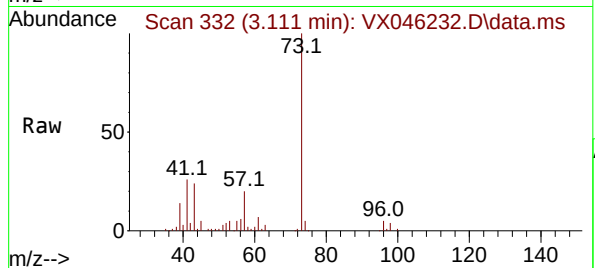
57 19.8 17.7 26.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#20

Methylene Chloride

Concen: 18.301 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.000 min

Lab File: VX046232.D

Acq: 16 May 2025 11:01

Tgt Ion: 84 Resp: 23162

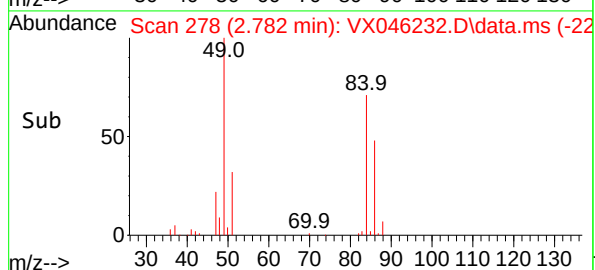
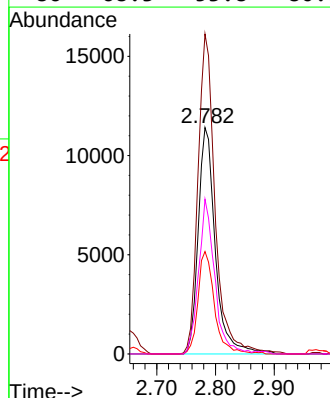
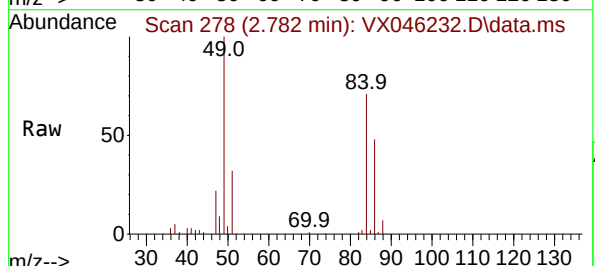
Ion Ratio Lower Upper

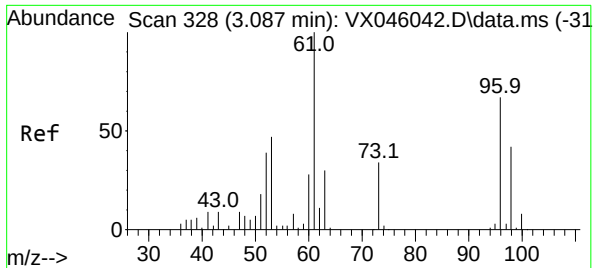
84 100

49 141.3 113.9 170.9

51 45.2 33.5 50.3

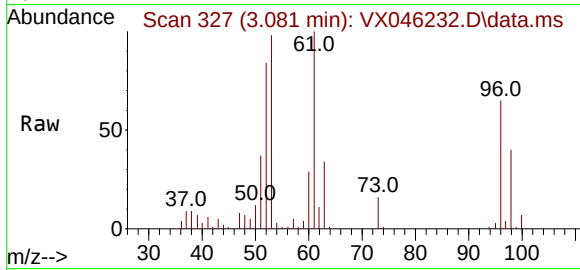
86 68.3 53.8 80.8





#21
trans-1,2-Dichloroethene
Concen: 18.131 ug/l
RT: 3.081 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX046232.D
Acq: 16 May 2025 11:01

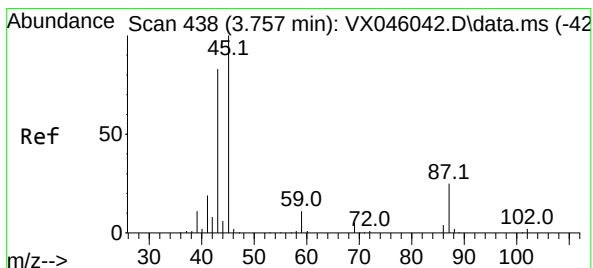
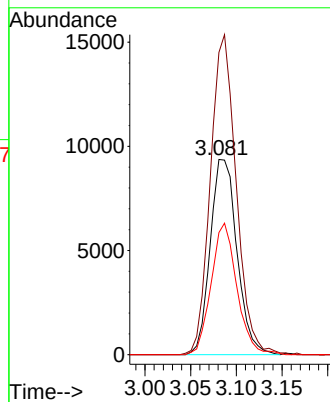
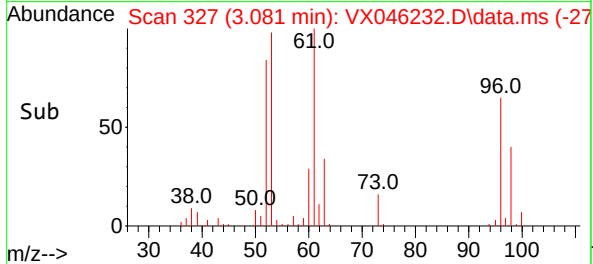
Instrument :
MSVOA_X
ClientSampleId :
VX0516WBSD01



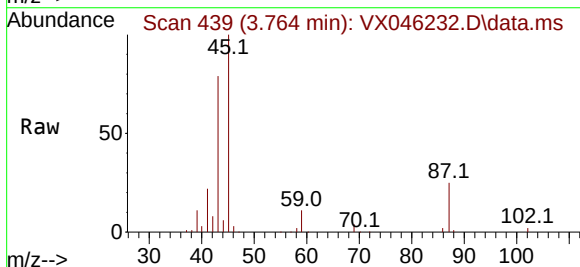
Tgt Ion: 96 Resp: 1910
Ion Ratio Lower Upper
96 100
61 154.8 119.5 179.3
98 62.6 50.0 75.0

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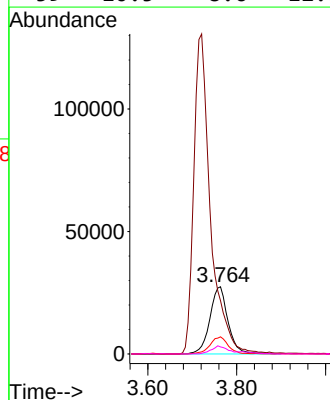
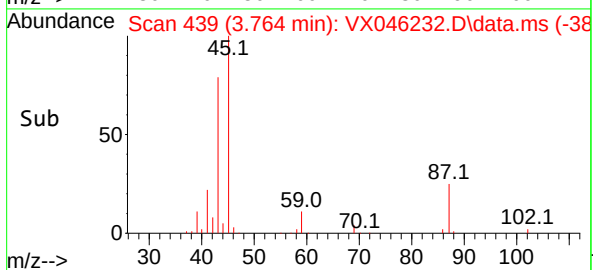
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025

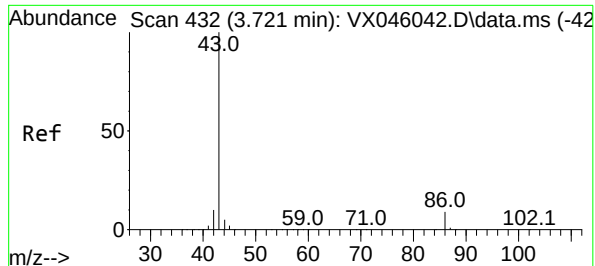


#22
Diisopropyl ether
Concen: 20.156 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX046232.D
Acq: 16 May 2025 11:01



Tgt Ion: 45 Resp: 77955
Ion Ratio Lower Upper
45 100
43 79.4 66.6 100.0
87 25.5 19.8 29.6
59 10.5 8.6 12.8





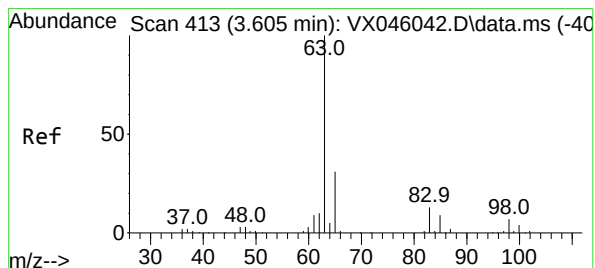
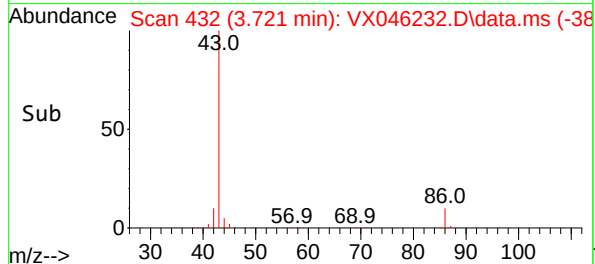
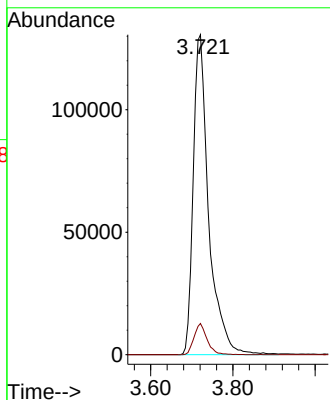
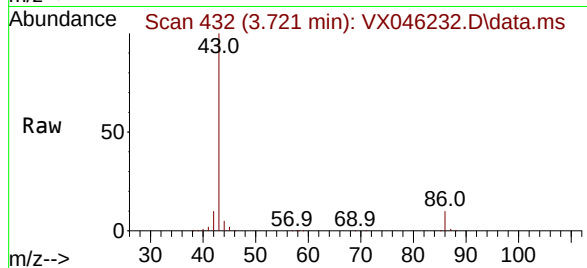
#23
 Vinyl Acetate
 Concen: 100.276 ug/l
 RT: 3.721 min Scan# 411
 Delta R.T. 0.000 min
 Lab File: VX046232.D
 Acq: 16 May 2025 11:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516WBSD01

Tgt Ion: 43 Resp: 34111
 Ion Ratio Lower Upper
 43 100
 86 9.7 7.5 11.3

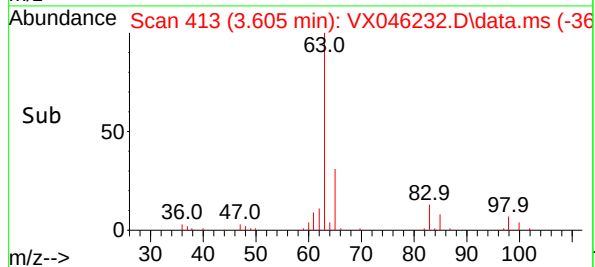
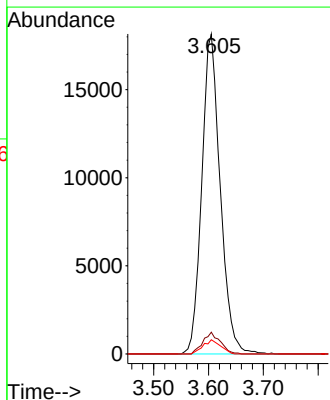
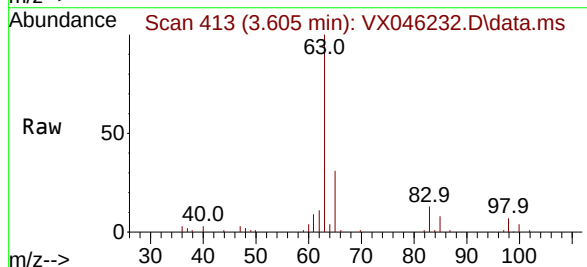
Manual Integrations
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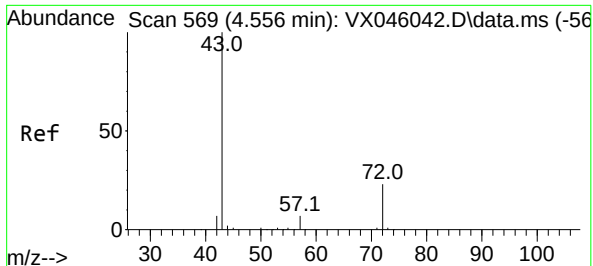
Reviewed By :John Carlone 05/19/2025
 Supervised By :Mahesh Dadoda 05/19/2025



#24
 1,1-Dichloroethane
 Concen: 19.667 ug/l
 RT: 3.605 min Scan# 413
 Delta R.T. 0.000 min
 Lab File: VX046232.D
 Acq: 16 May 2025 11:01

Tgt Ion: 63 Resp: 42367
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.6 10.8
 100 4.5 2.1 6.3





#25

2-Butanone

Concen: 106.222 ug/l

RT: 4.556 min Scan# 50

Delta R.T. 0.000 min

Lab File: VX046232.D

Acq: 16 May 2025 11:01

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBSD01

Tgt Ion: 43 Resp: 10184

Ion Ratio Lower Upper

43 100

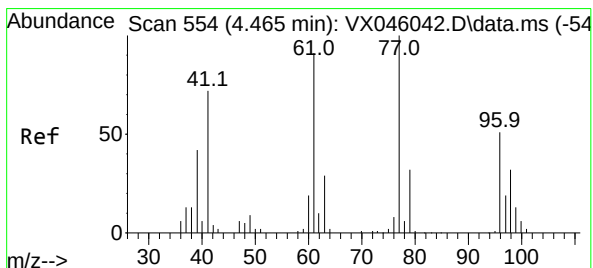
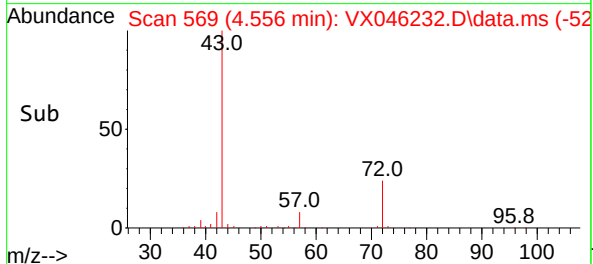
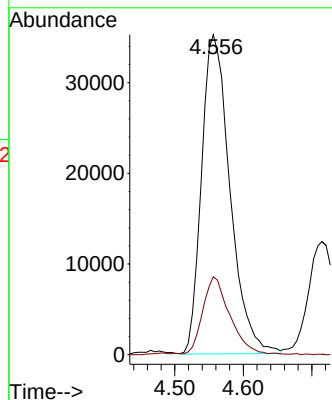
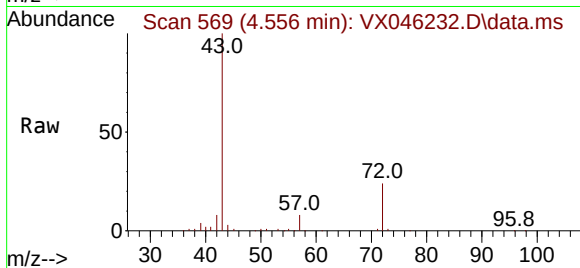
72 24.2 18.4 27.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#26

2,2-Dichloropropane

Concen: 18.713 ug/l

RT: 4.465 min Scan# 554

Delta R.T. 0.000 min

Lab File: VX046232.D

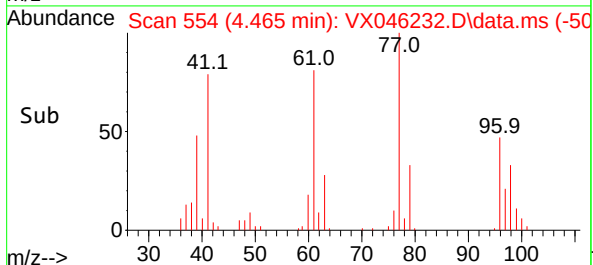
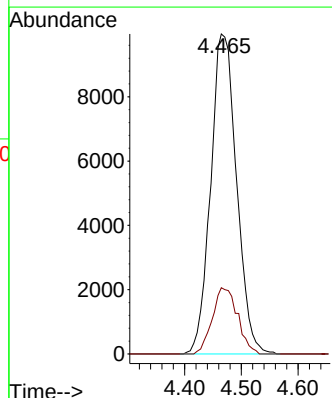
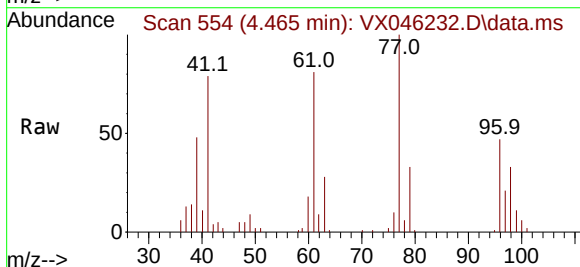
Acq: 16 May 2025 11:01

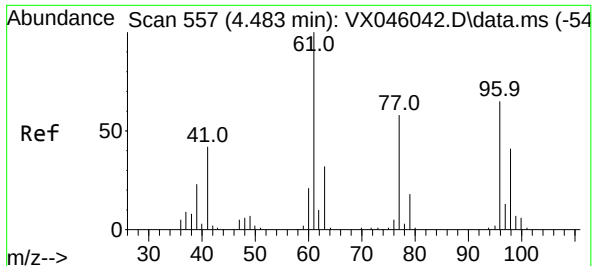
Tgt Ion: 77 Resp: 31552

Ion Ratio Lower Upper

77 100

97 20.1 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 19.117 ug/l

RT: 4.483 min Scan# 557

Delta R.T. 0.000 min

Lab File: VX046232.D

Acq: 16 May 2025 11:01

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBSD01

Tgt Ion: 96 Resp: 2424

Ion Ratio Lower Upper

96 100

61 160.2 0.0 322.8

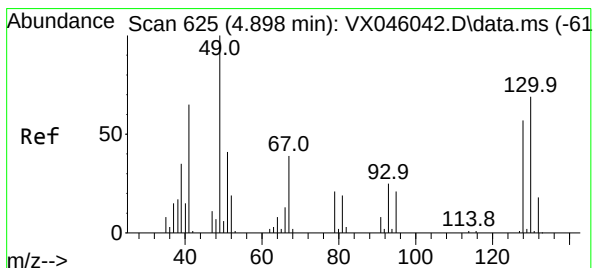
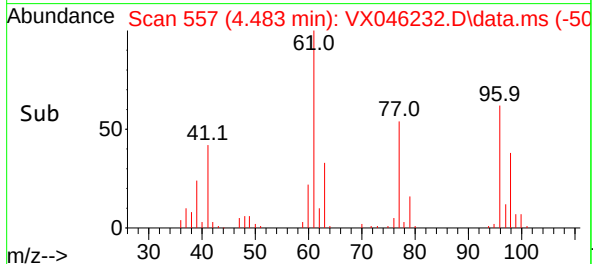
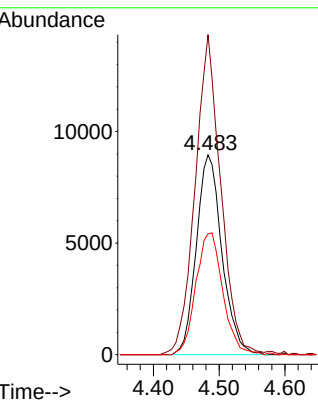
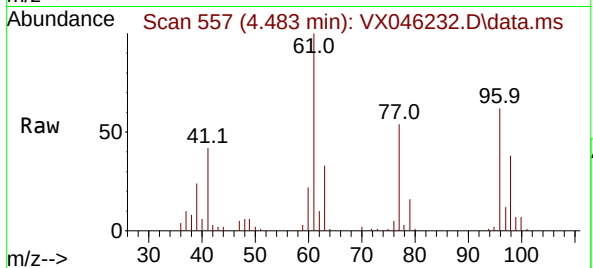
98 64.2 0.0 129.0

Manual Integrations

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#28

Bromochloromethane

Concen: 18.968 ug/l

RT: 4.898 min Scan# 625

Delta R.T. 0.000 min

Lab File: VX046232.D

Acq: 16 May 2025 11:01

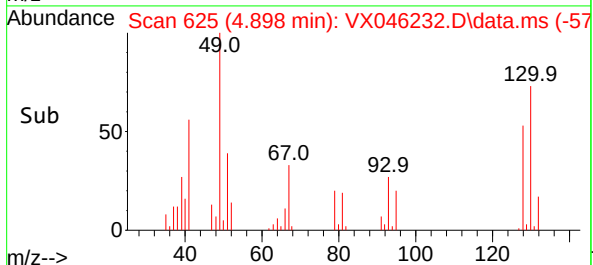
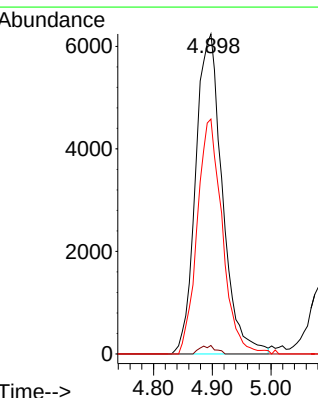
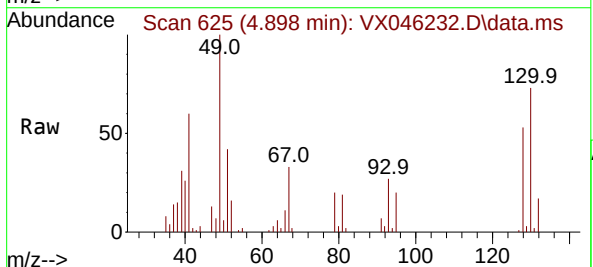
Tgt Ion: 49 Resp: 19668

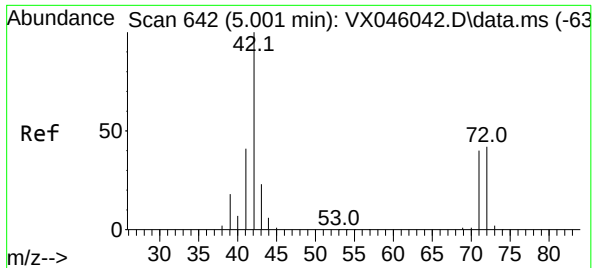
Ion Ratio Lower Upper

49 100

129 1.6 0.0 4.0

130 69.0 56.2 84.2





#29

Tetrahydrofuran

Concen: 105.872 ug/l

RT: 5.001 min Scan# 642

Delta R.T. 0.000 min

Lab File: VX046232.D

Acq: 16 May 2025 11:01

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBSD01

Tgt Ion: 42 Resp: 63610

Ion Ratio Lower Upper

42 100

72 41.7 33.7 50.5

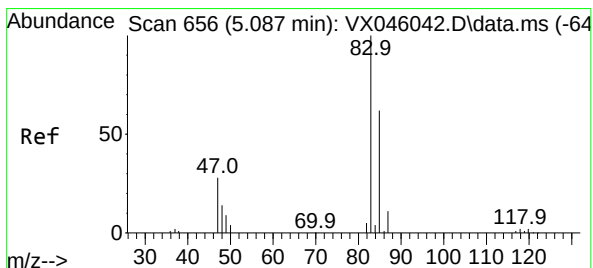
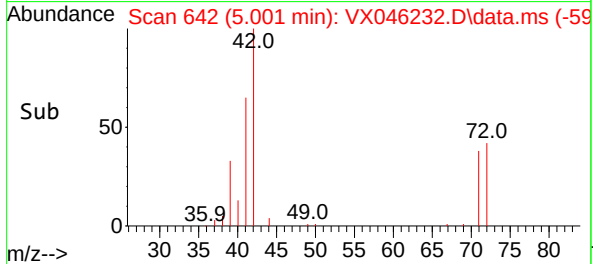
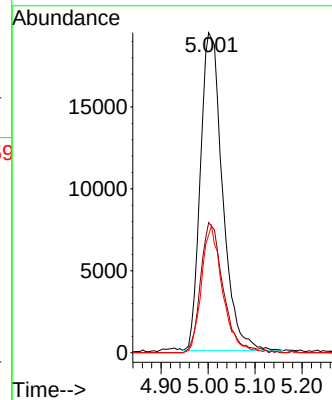
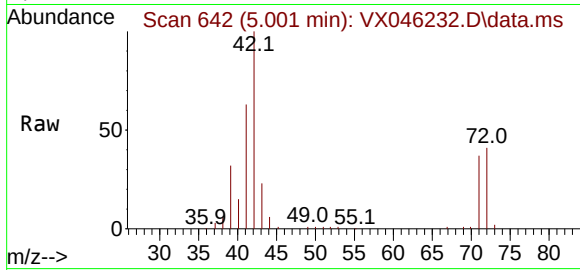
71 37.7 31.4 47.2

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#30

Chloroform

Concen: 19.827 ug/l

RT: 5.087 min Scan# 656

Delta R.T. 0.000 min

Lab File: VX046232.D

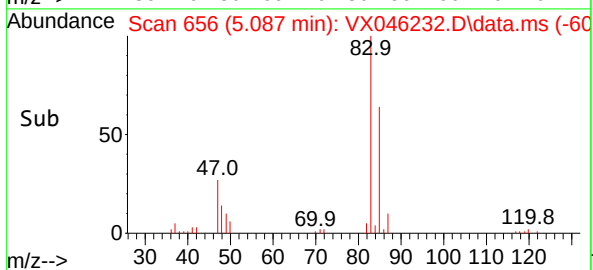
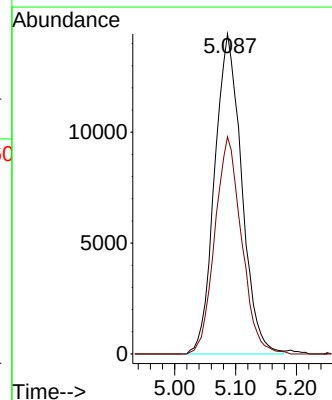
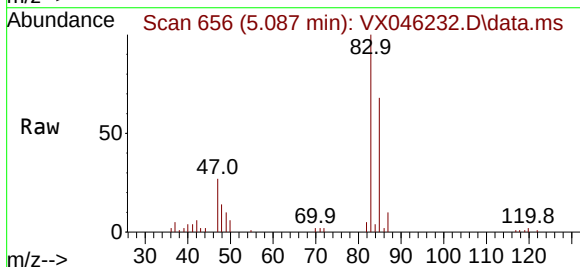
Acq: 16 May 2025 11:01

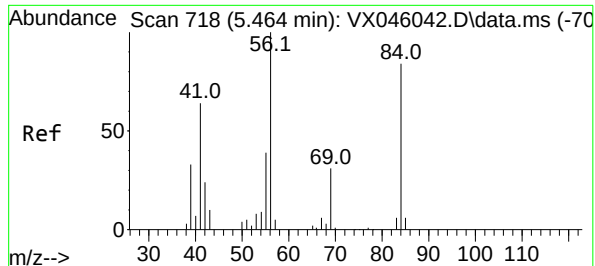
Tgt Ion: 83 Resp: 44518

Ion Ratio Lower Upper

83 100

85 67.9 49.3 73.9





#31

Cyclohexane

Concen: 18.294 ug/l

RT: 5.458 min Scan# 717

Delta R.T. -0.006 min

Lab File: VX046232.D

Acq: 16 May 2025 11:01

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBSD01

Tgt Ion: 56 Resp: 3591

Ion Ratio Lower Upper

56 100

69 26.8 24.4 36.6

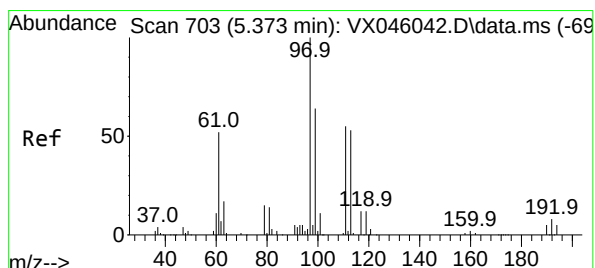
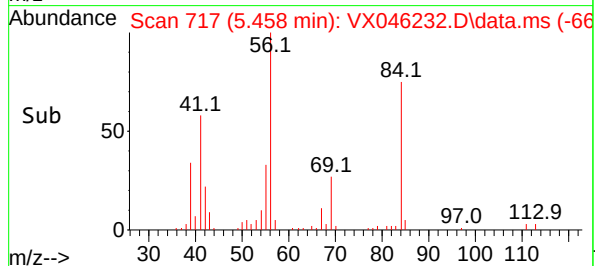
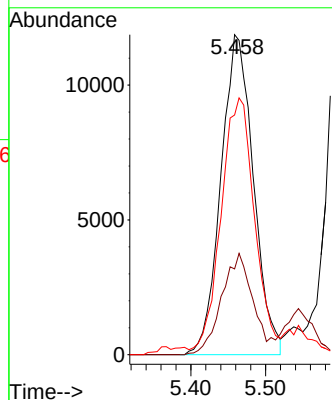
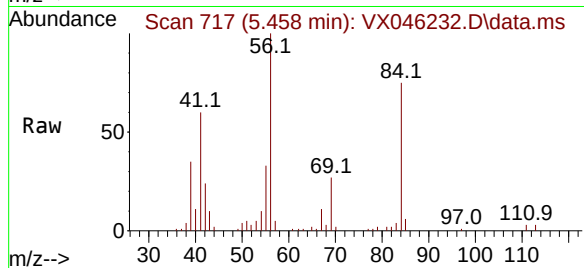
84 72.8 66.9 100.3

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#32

1,1,1-Trichloroethane

Concen: 19.473 ug/l

RT: 5.373 min Scan# 703

Delta R.T. 0.000 min

Lab File: VX046232.D

Acq: 16 May 2025 11:01

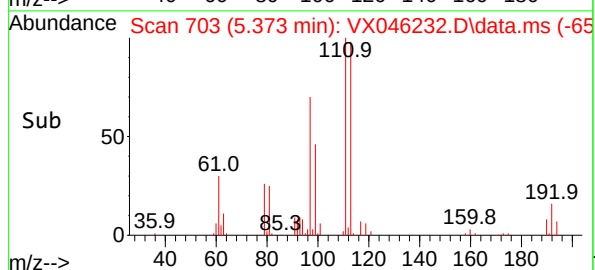
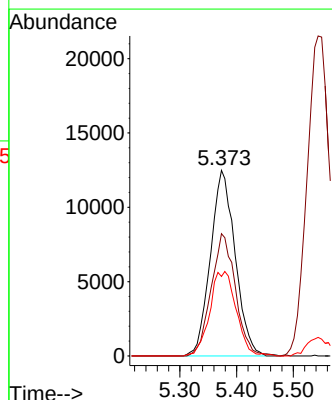
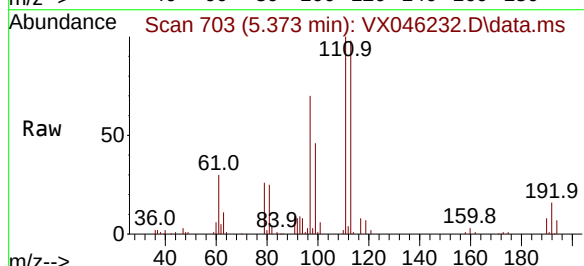
Tgt Ion: 97 Resp: 37902

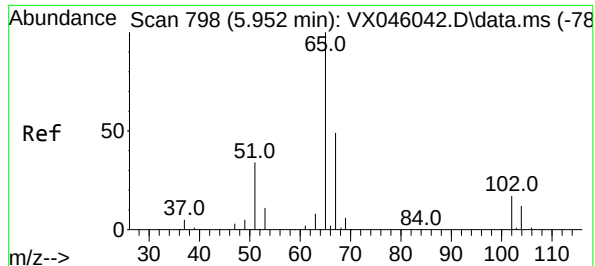
Ion Ratio Lower Upper

97 100

99 64.4 51.8 77.6

61 48.2 40.1 60.1





#33

1,2-Dichloroethane-d4

Concen: 49.540 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX046232.D

Acq: 16 May 2025 11:01

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBSD01

Tgt Ion: 65 Resp: 8160

Ion Ratio Lower Upper

65 100

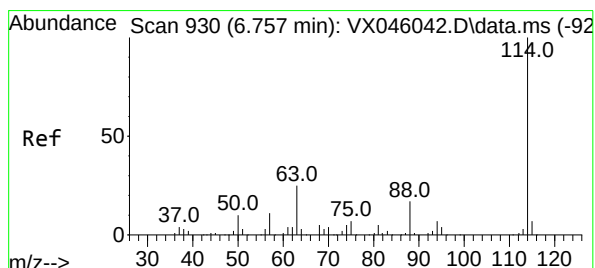
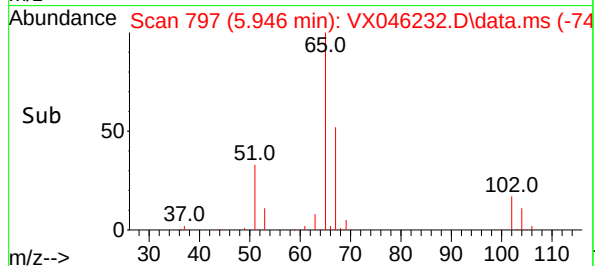
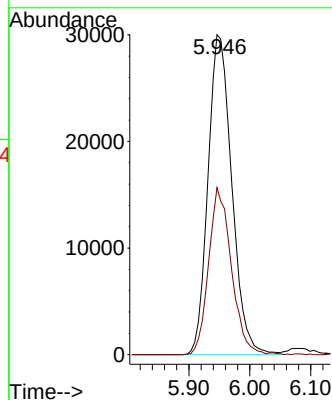
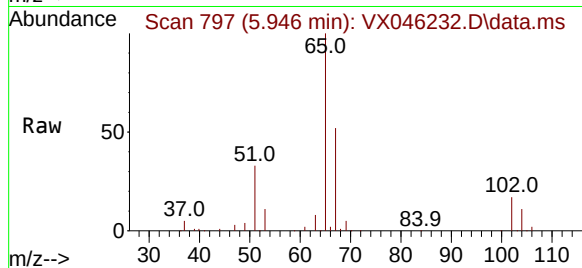
67 49.7 0.0 99.0

Manual Integrations

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Supervised By :Mahesh Dadoda 05/19/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX046232.D

Acq: 16 May 2025 11:01

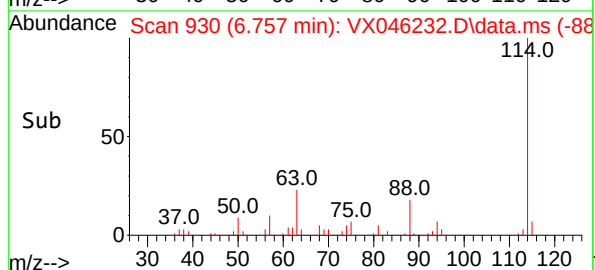
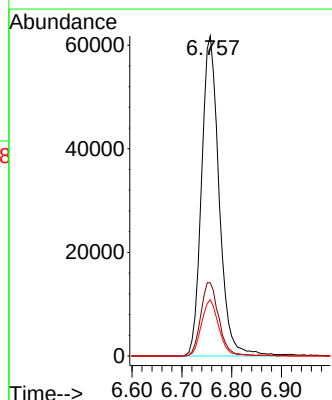
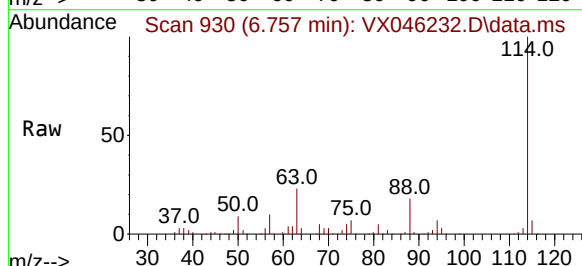
Tgt Ion:114 Resp: 151068

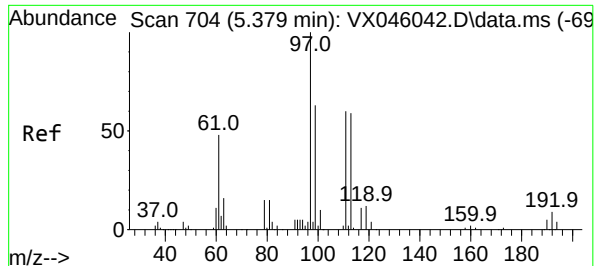
Ion Ratio Lower Upper

114 100

63 22.8 0.0 49.2

88 17.5 0.0 33.6





#35

Dibromofluoromethane

Concen: 51.619 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX046232.D

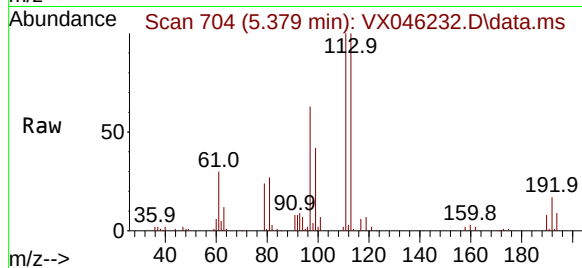
Acq: 16 May 2025 11:01

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBSD01



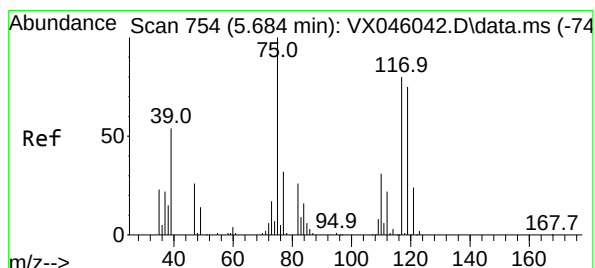
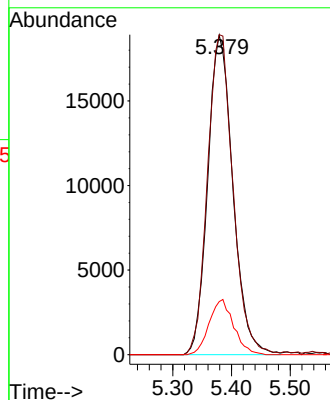
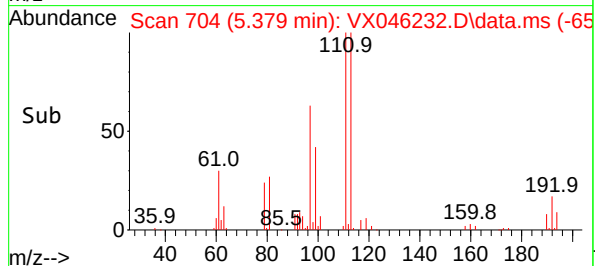
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.3	83.1	124.7
192	16.8	13.3	19.9

Manual Integrations

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Supervised By :Mahesh Dadoda 05/19/2025



#36

1,1-Dichloropropene

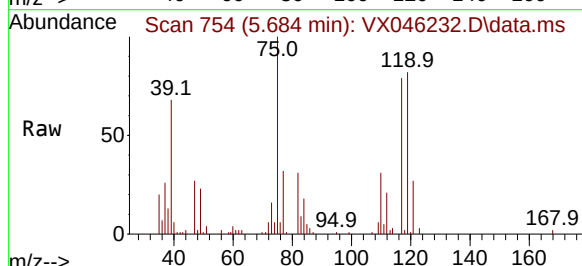
Concen: 19.240 ug/l

RT: 5.684 min Scan# 754

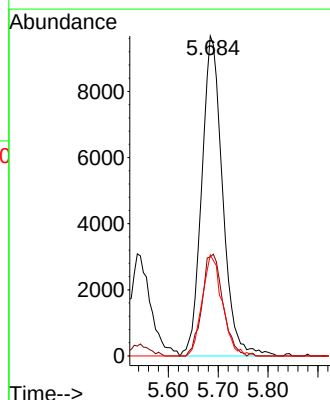
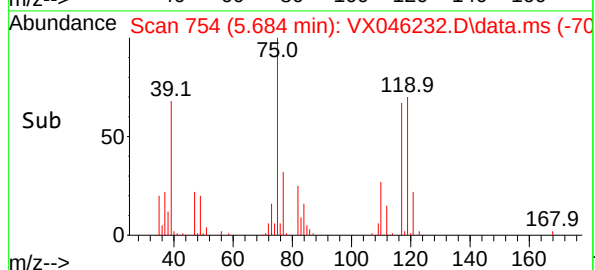
Delta R.T. 0.000 min

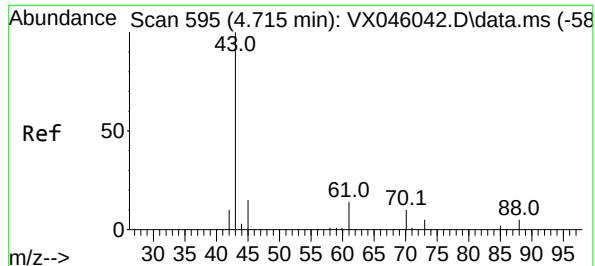
Lab File: VX046232.D

Acq: 16 May 2025 11:01



Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.8	16.3	48.9
77	30.4	24.3	36.5





#37

Ethyl Acetate

Concen: 21.201 ug/l

RT: 4.715 min Scan# 595

Delta R.T. 0.000 min

Lab File: VX046232.D

Acq: 16 May 2025 11:01

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBSD01

Tgt Ion: 43 Resp: 3828

Ion Ratio Lower Upper

43 100

61 12.1 10.3 15.5

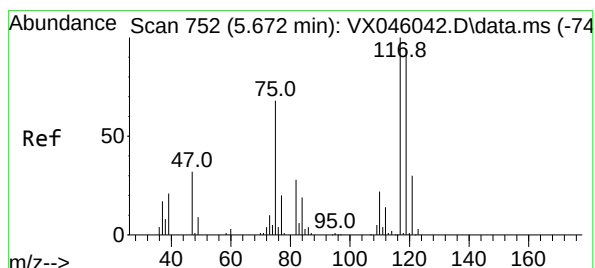
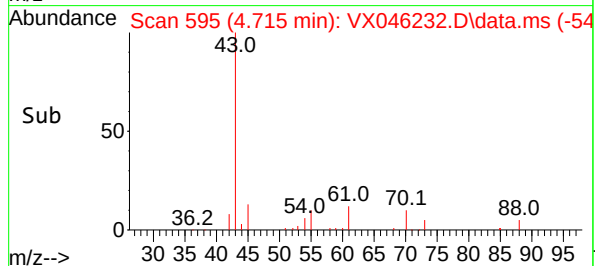
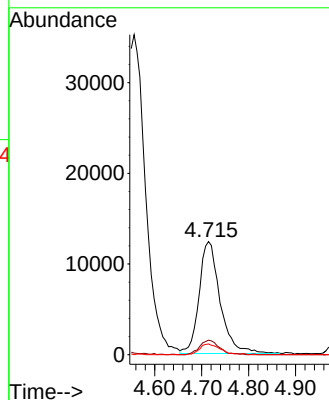
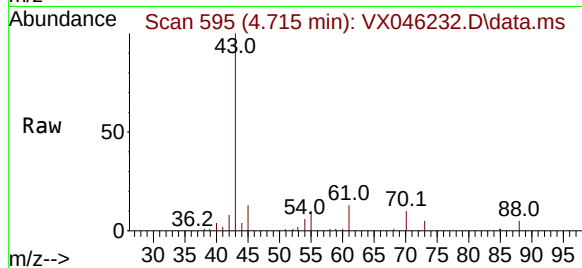
70 9.2 7.9 11.9

Manual Integrations

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Supervised By :Mahesh Dadoda 05/19/2025



#38

Carbon Tetrachloride

Concen: 19.211 ug/l

RT: 5.672 min Scan# 752

Delta R.T. 0.000 min

Lab File: VX046232.D

Acq: 16 May 2025 11:01

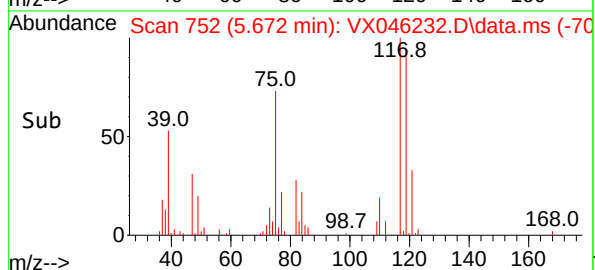
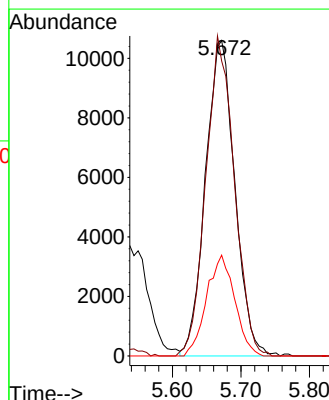
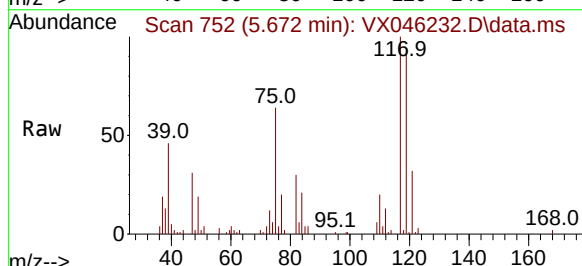
Tgt Ion:117 Resp: 31550

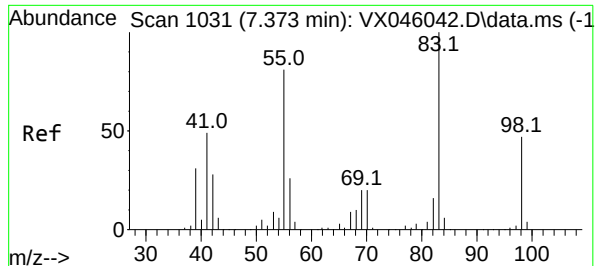
Ion Ratio Lower Upper

117 100

119 93.5 75.2 112.8

121 31.9 24.2 36.4





#39

Methylcyclohexane

Concen: 18.530 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VX046232.D

Acq: 16 May 2025 11:01

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBSD01

Tgt Ion: 83 Resp: 3486

Ion Ratio Lower Upper

83 100

55 84.7 64.7 97.1

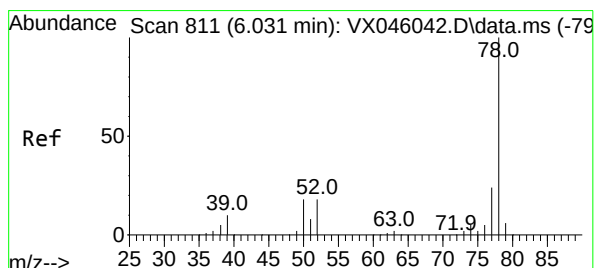
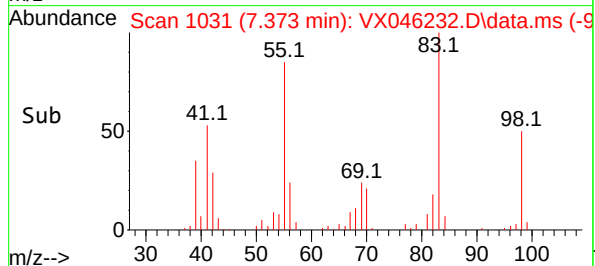
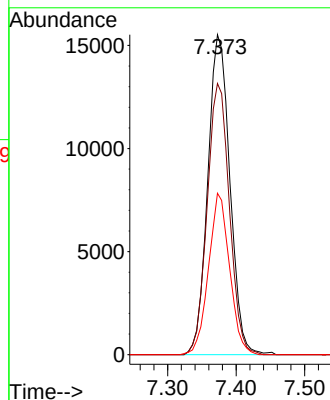
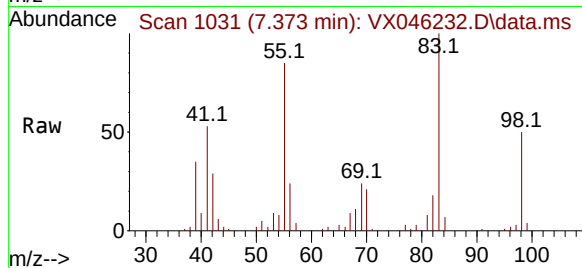
98 50.5 37.4 56.2

Manual Integrations

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Supervised By :Mahesh Dadoda 05/19/2025



#40

Benzene

Concen: 19.956 ug/l

RT: 6.038 min Scan# 812

Delta R.T. 0.006 min

Lab File: VX046232.D

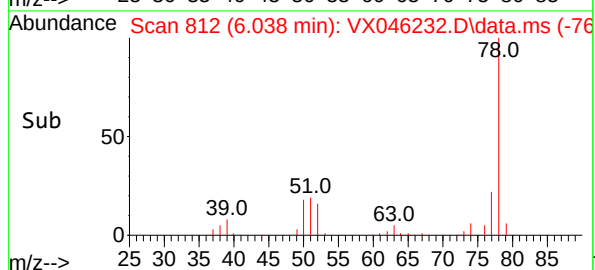
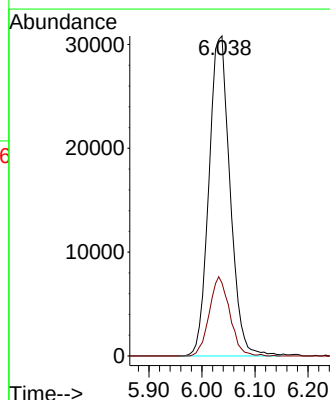
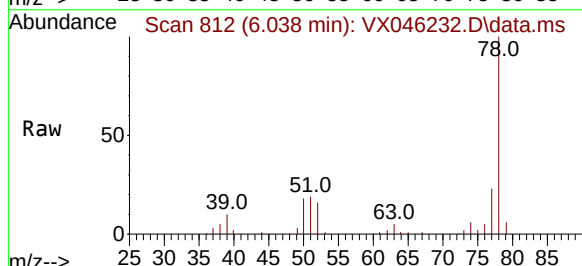
Acq: 16 May 2025 11:01

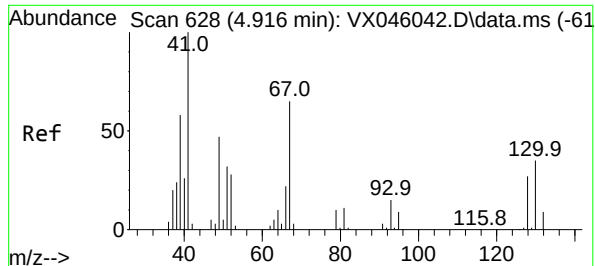
Tgt Ion: 78 Resp: 85436

Ion Ratio Lower Upper

78 100

77 22.8 19.0 28.4





#41

Methacrylonitrile

Concen: 22.310 ug/l

RT: 4.922 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX046232.D

Acq: 16 May 2025 11:01

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBSD01

Tgt Ion: 41 Resp: 2107

Ion Ratio Lower Upper

41 100

39 56.8 47.2 70.8

67 66.3 50.7 76.1

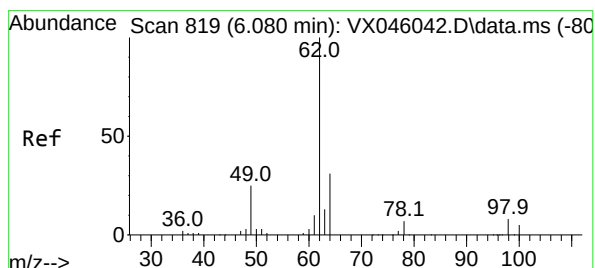
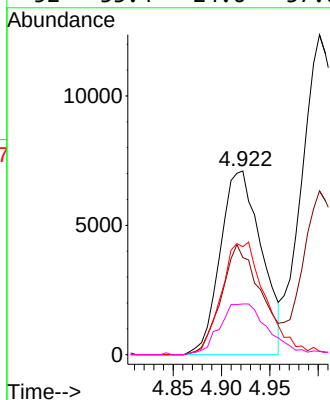
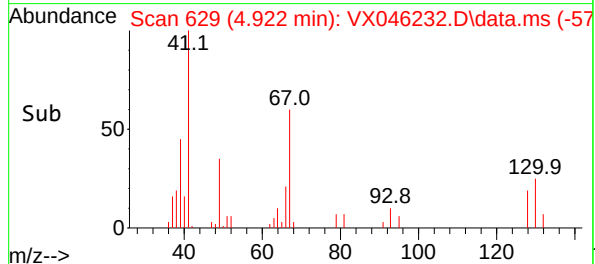
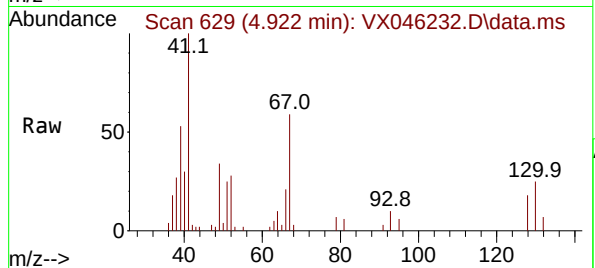
52 33.4 24.6 37.0

Manual Integrations

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#42

1,2-Dichloroethane

Concen: 20.862 ug/l

RT: 6.080 min Scan# 819

Delta R.T. 0.000 min

Lab File: VX046232.D

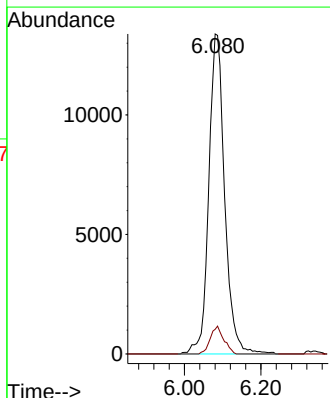
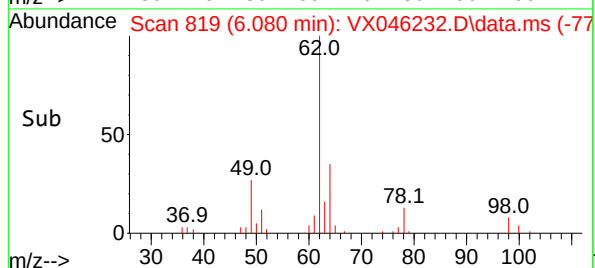
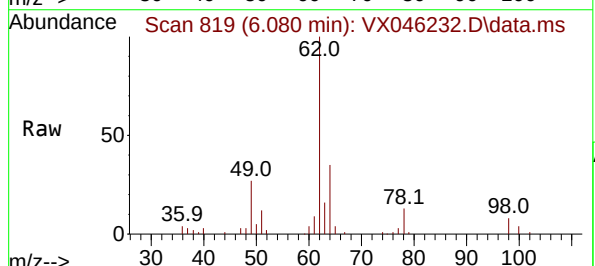
Acq: 16 May 2025 11:01

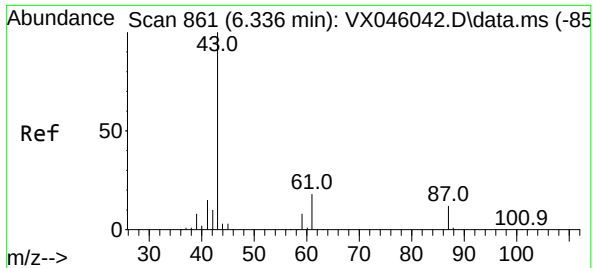
Tgt Ion: 62 Resp: 38548

Ion Ratio Lower Upper

62 100

98 7.4 0.0 15.2





#43

Isopropyl Acetate

Concen: 21.000 ug/l

RT: 6.342 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX046232.D

Acq: 16 May 2025 11:01

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBSD01

Tgt Ion: 43 Resp: 5785

Ion Ratio Lower Upper

43 100

61 17.5 14.3 21.5

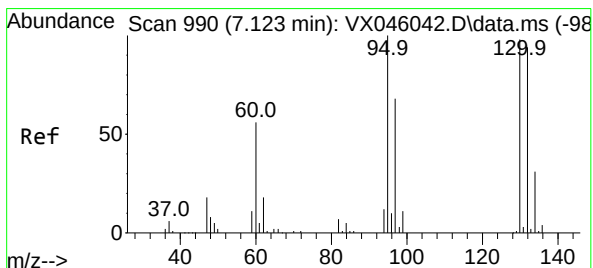
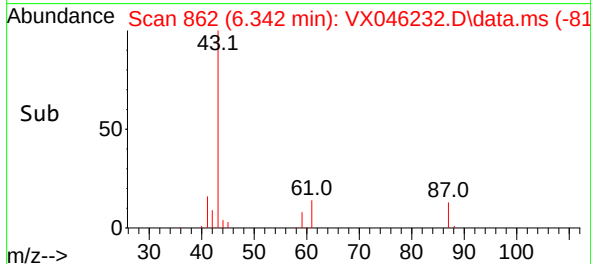
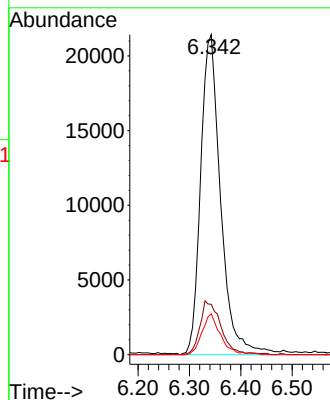
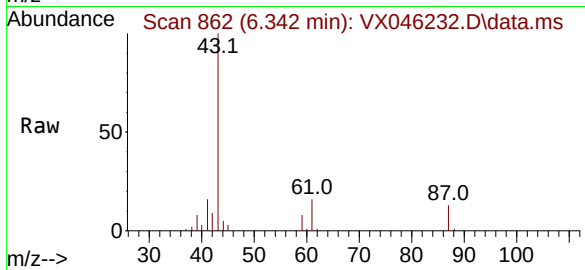
87 11.9 9.5 14.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#44

Trichloroethene

Concen: 19.747 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.000 min

Lab File: VX046232.D

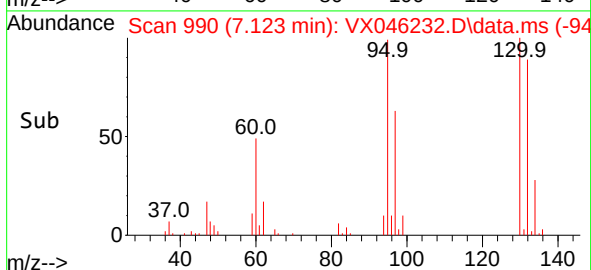
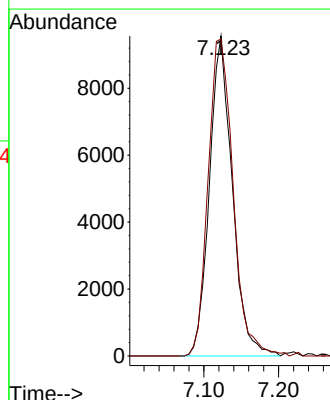
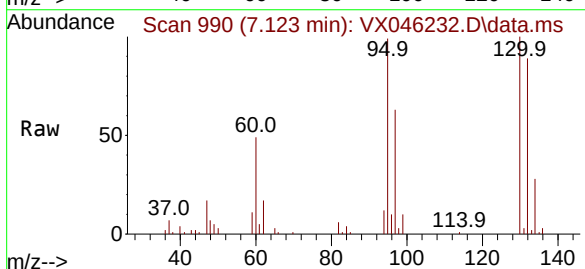
Acq: 16 May 2025 11:01

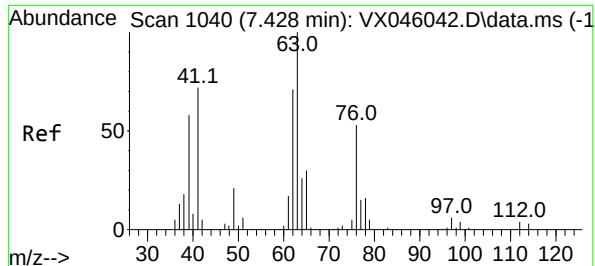
Tgt Ion:130 Resp: 20348

Ion Ratio Lower Upper

130 100

95 99.1 0.0 204.2





#45

1,2-Dichloropropane

Concen: 20.861 ug/l

RT: 7.428 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VX046232.D

Acq: 16 May 2025 11:01

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBSD01

Tgt Ion: 63 Resp: 22208

Ion Ratio Lower Upper

63 100

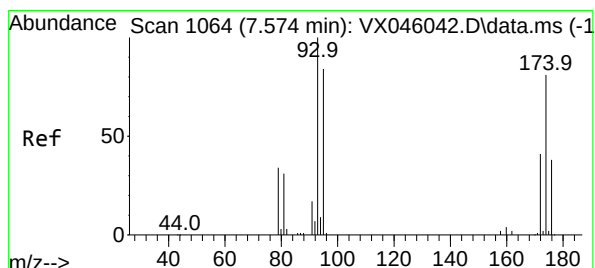
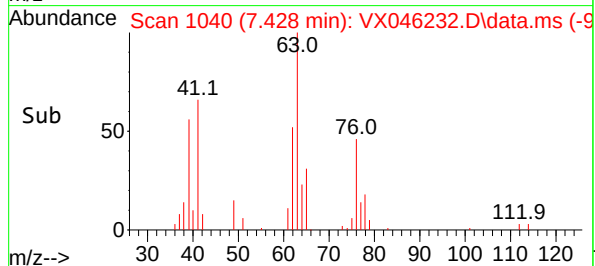
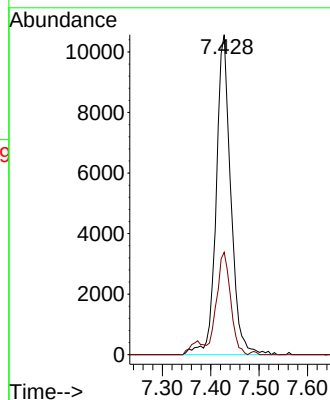
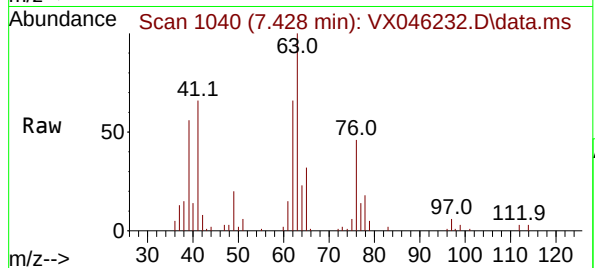
65 32.0 24.1 36.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#46

Dibromomethane

Concen: 20.987 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VX046232.D

Acq: 16 May 2025 11:01

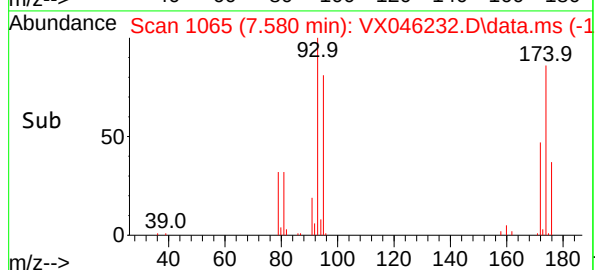
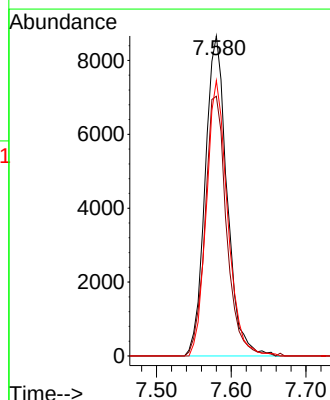
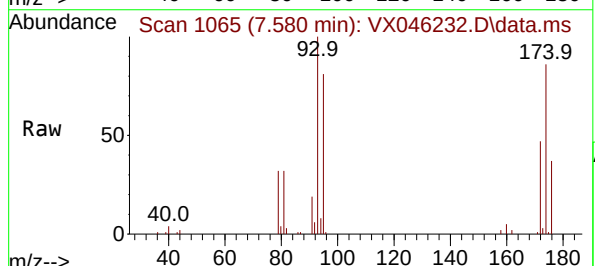
Tgt Ion: 93 Resp: 17621

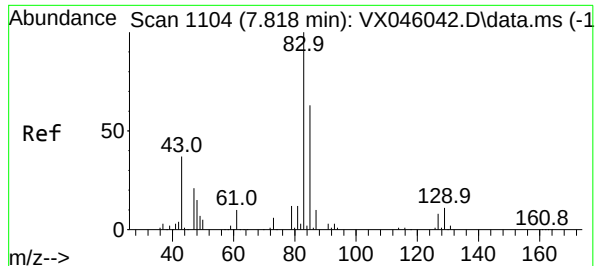
Ion Ratio Lower Upper

93 100

95 79.6 65.6 98.4

174 83.5 68.2 102.2





#47

Bromodichloromethane

Concen: 21.210 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VX046232.D

Acq: 16 May 2025 11:01

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBSD01

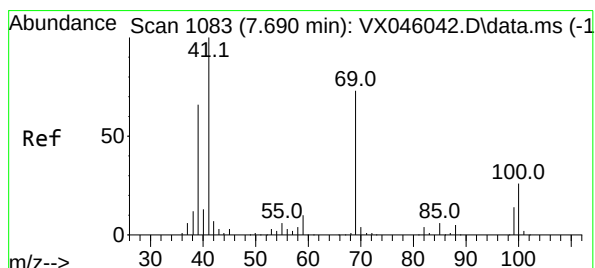
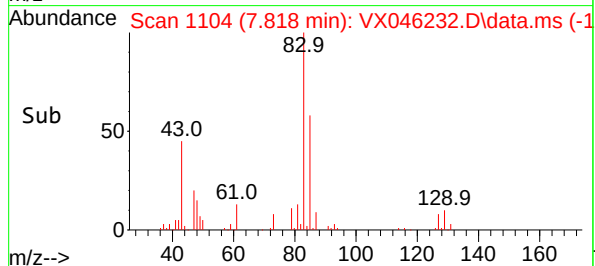
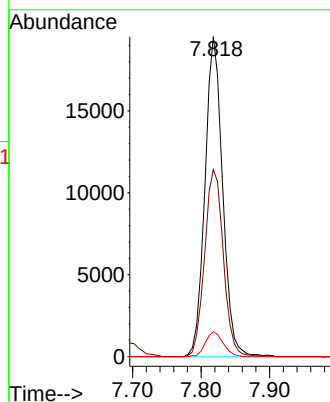
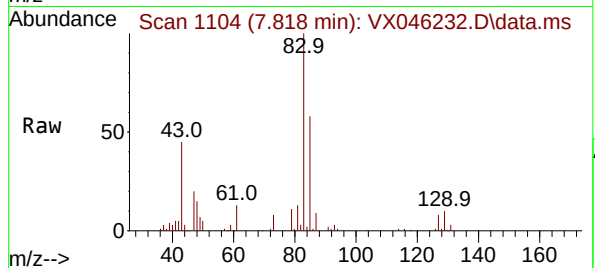
Tgt Ion:	83	Resp:	3507
Ion Ratio	Lower	Upper	
83	100		
85	58.5	50.5	75.7
127	7.7	6.5	9.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#48

Methyl methacrylate

Concen: 22.000 ug/l

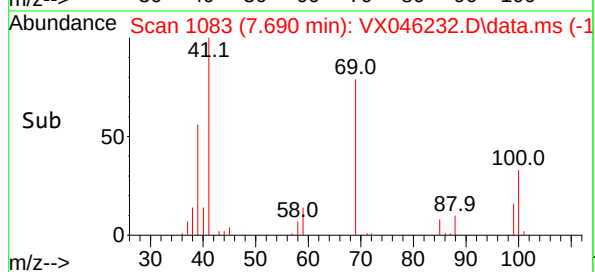
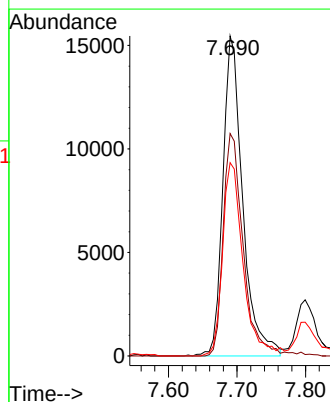
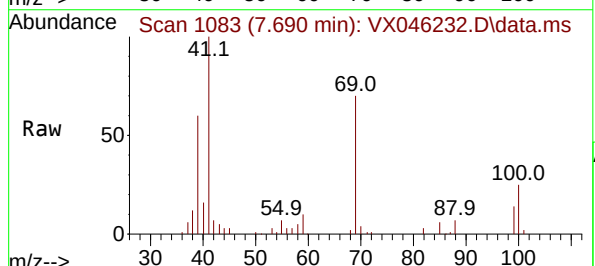
RT: 7.690 min Scan# 1083

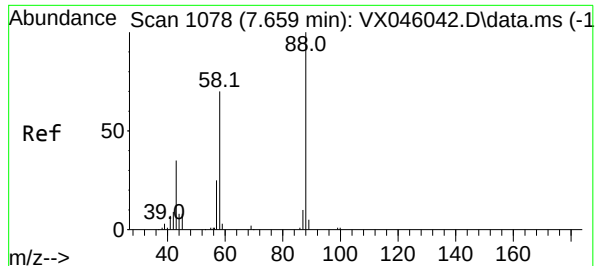
Delta R.T. 0.000 min

Lab File: VX046232.D

Acq: 16 May 2025 11:01

Tgt Ion:	41	Resp:	30953
Ion Ratio	Lower	Upper	
41	100		
69	70.7	58.5	87.7
39	62.7	51.7	77.5





#49

1,4-Dioxane

Concen: 443.430 ug/l

RT: 7.659 min Scan# 1078

Delta R.T. 0.000 min

Lab File: VX046232.D

Acq: 16 May 2025 11:01

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBSD01

Tgt Ion: 88 Resp: 11840

Ion Ratio Lower Upper

88 100

43 44.0 33.4 50.2

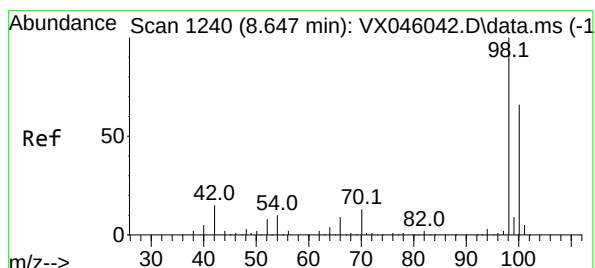
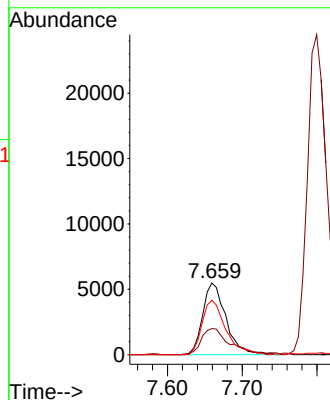
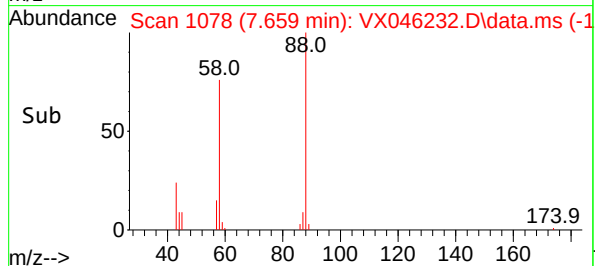
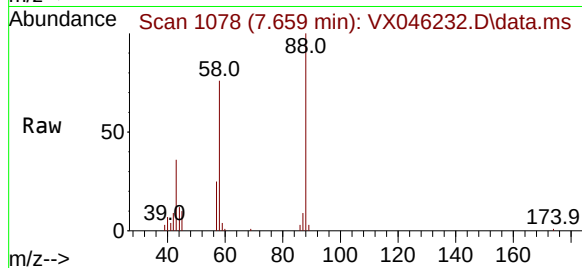
58 76.5 58.6 88.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#50

Toluene-d8

Concen: 50.355 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX046232.D

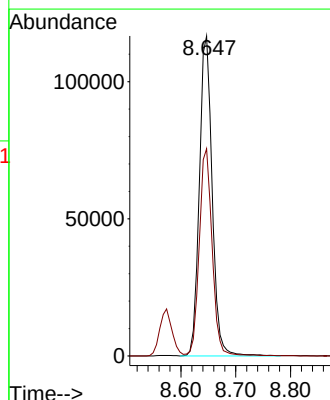
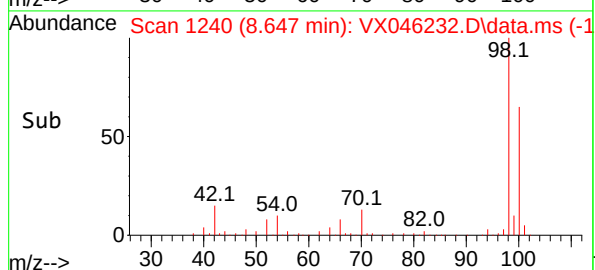
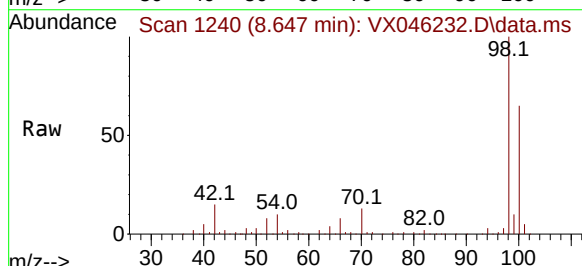
Acq: 16 May 2025 11:01

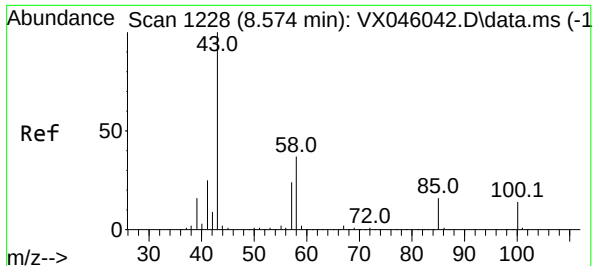
Tgt Ion: 98 Resp: 189597

Ion Ratio Lower Upper

98 100

100 65.5 53.5 80.3





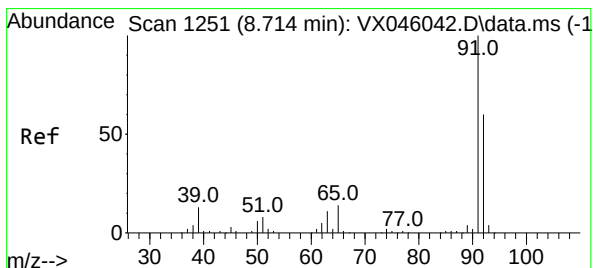
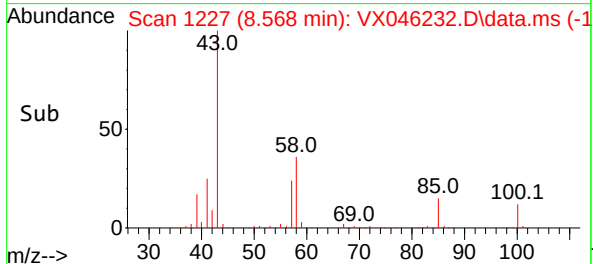
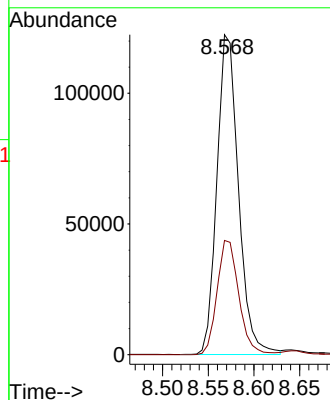
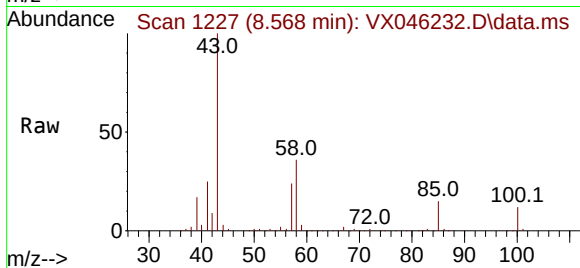
#51
4-Methyl-2-Pentanone
Concen: 109.853 ug/l
RT: 8.568 min Scan# 1227
Delta R.T. -0.006 min
Lab File: VX046232.D
Acq: 16 May 2025 11:01

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBSD01

Tgt Ion: 43 Resp: 200880
Ion Ratio Lower Upper
43 100
58 36.1 28.9 43.3

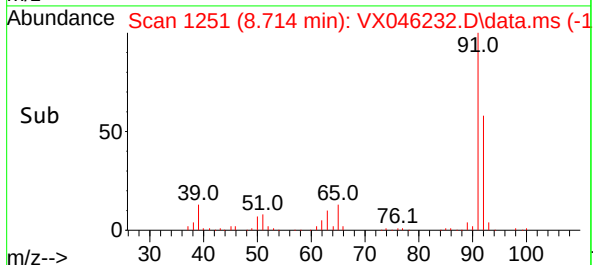
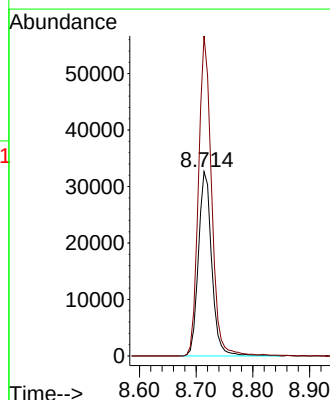
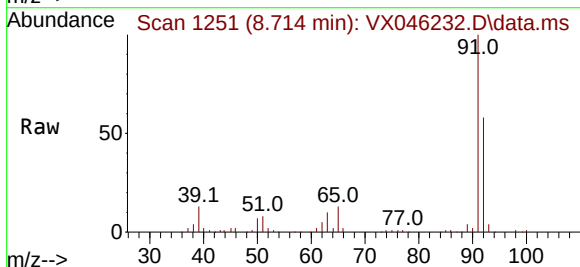
Manual Integrations
APPROVED

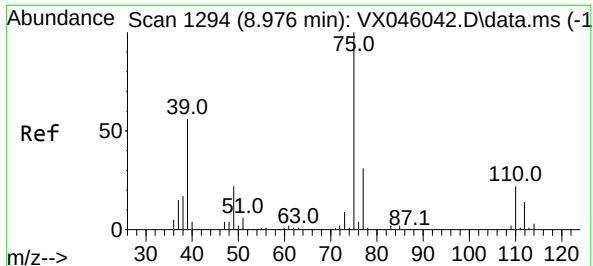
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#52
Toluene
Concen: 20.271 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX046232.D
Acq: 16 May 2025 11:01

Tgt Ion: 92 Resp: 53216
Ion Ratio Lower Upper
92 100
91 169.9 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 19.511 ug/l

RT: 8.976 min Scan# 1294

Delta R.T. 0.000 min

Lab File: VX046232.D

Acq: 16 May 2025 11:01

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBSD01

Tgt Ion: 75 Resp: 28679

Ion Ratio Lower Upper

75 100

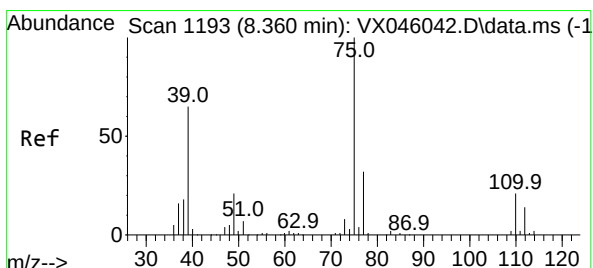
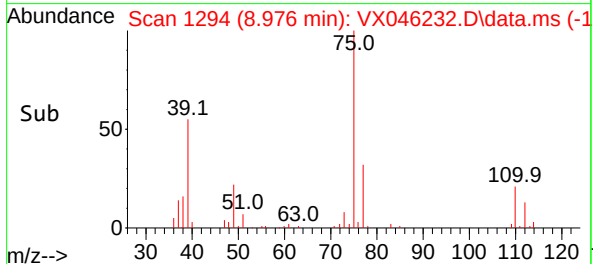
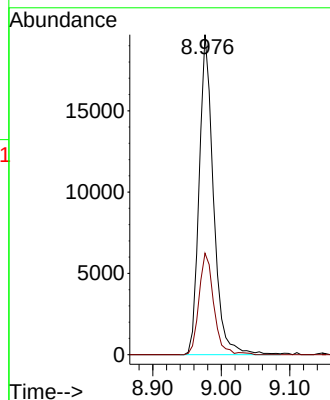
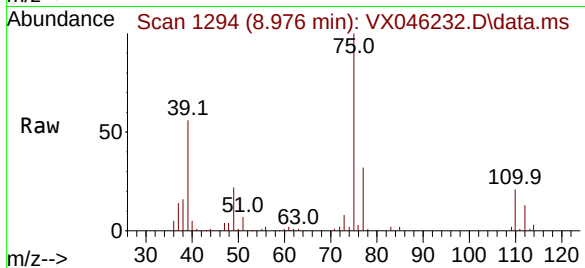
77 31.7 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#54

cis-1,3-Dichloropropene

Concen: 20.300 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX046232.D

Acq: 16 May 2025 11:01

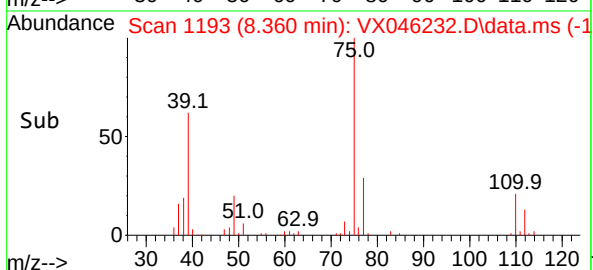
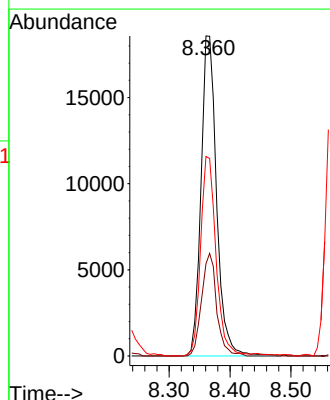
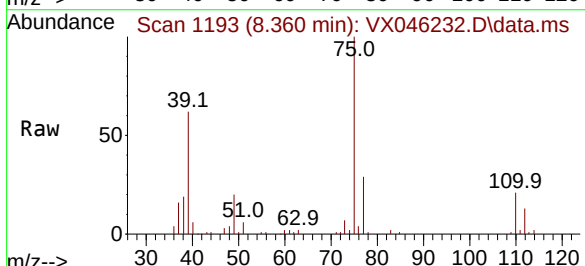
Tgt Ion: 75 Resp: 32980

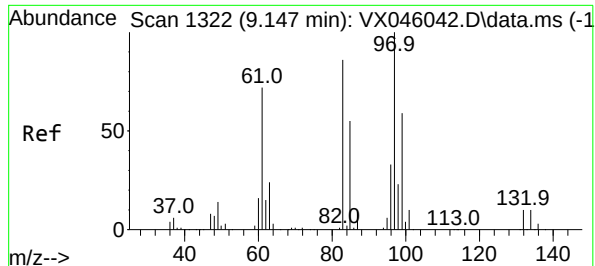
Ion Ratio Lower Upper

75 100

77 28.8 25.4 38.0

39 62.4 52.2 78.4





#55

1,1,2-Trichloroethane

Concen: 20.878 ug/l

RT: 9.153 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX046232.D

Acq: 16 May 2025 11:01

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBSD01

Tgt Ion: 97 Resp: 2161

Ion Ratio Lower Upper

97 100

83 86.5 69.0 103.6

85 58.6 44.3 66.5

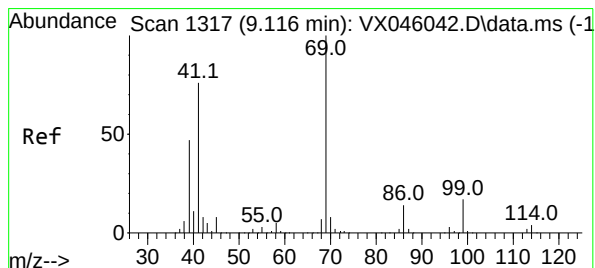
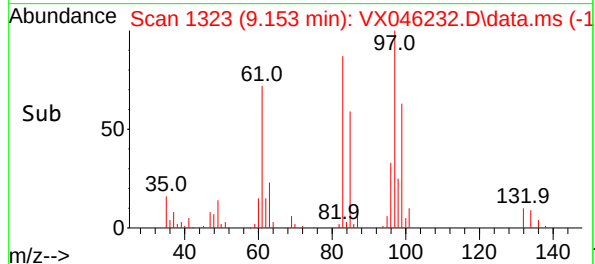
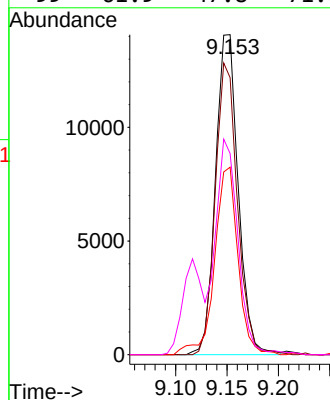
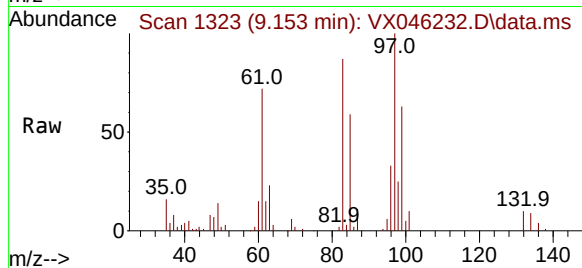
99 61.9 47.8 71.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#56

Ethyl methacrylate

Concen: 21.728 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX046232.D

Acq: 16 May 2025 11:01

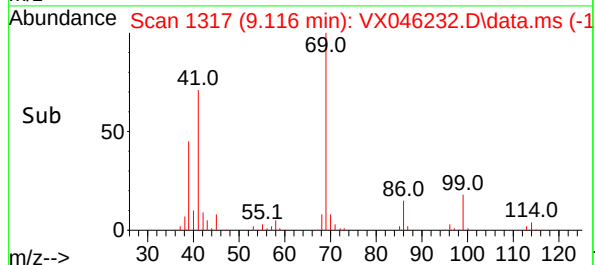
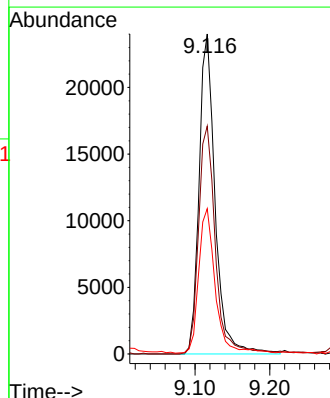
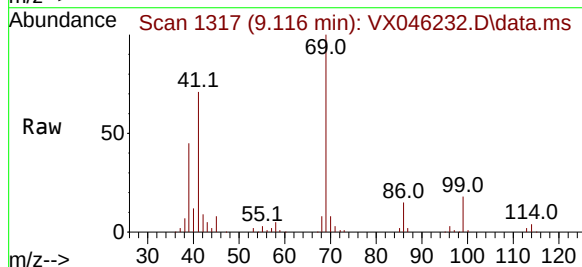
Tgt Ion: 69 Resp: 35846

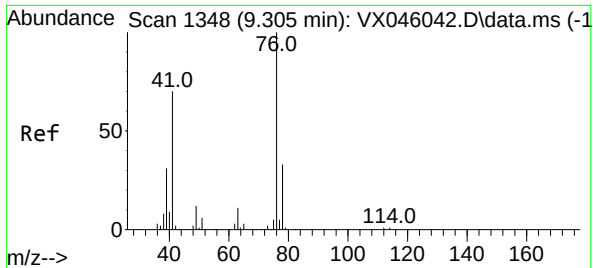
Ion Ratio Lower Upper

69 100

41 75.1 60.8 91.2

39 46.3 39.0 58.6





#57

1,3-Dichloropropane

Concen: 20.500 ug/l

RT: 9.305 min Scan# 11348

Delta R.T. 0.000 min

Lab File: VX046232.D

Acq: 16 May 2025 11:01

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBSD01

Tgt Ion: 76 Resp: 38110

Ion Ratio Lower Upper

76 100

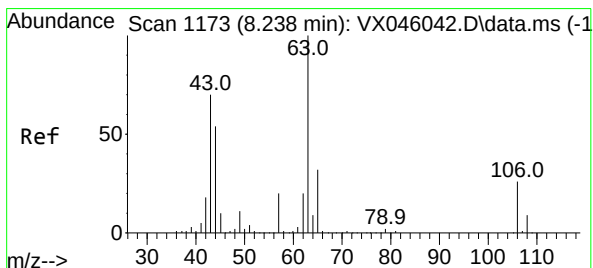
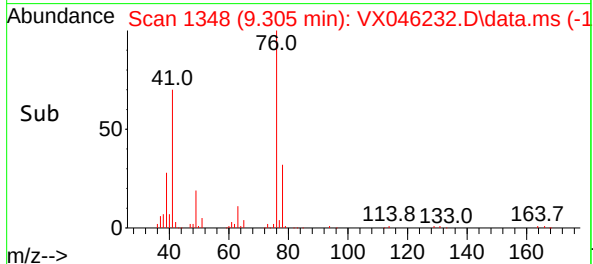
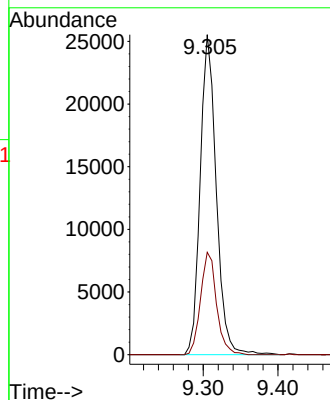
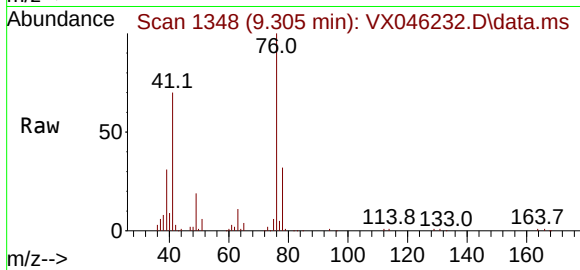
78 31.7 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#58

2-Chloroethyl Vinyl ether

Concen: 100.484 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX046232.D

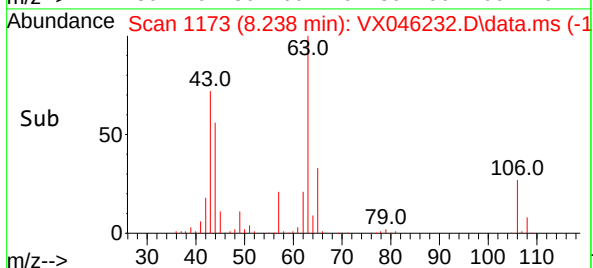
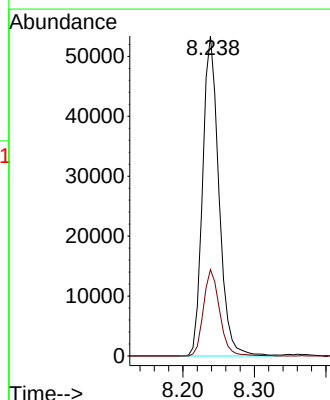
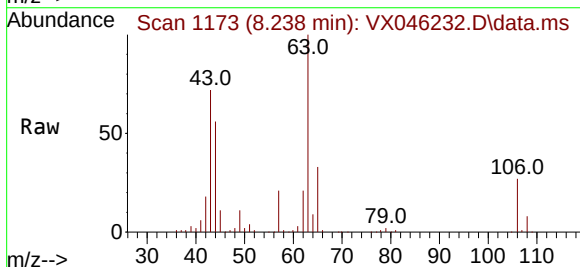
Acq: 16 May 2025 11:01

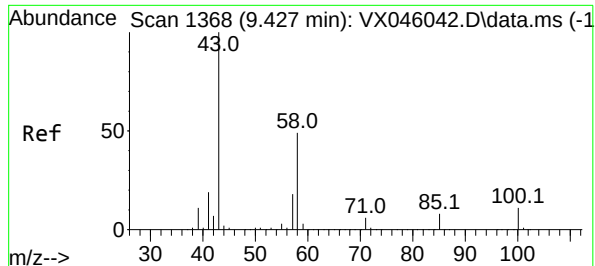
Tgt Ion: 63 Resp: 84515

Ion Ratio Lower Upper

63 100

106 26.8 21.5 32.3





#59

2-Hexanone

Concen: 112.255 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. 0.000 min

Lab File: VX046232.D

Acq: 16 May 2025 11:01

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBSD01

Tgt Ion: 43 Resp: 151872

Ion Ratio Lower Upper

43 100

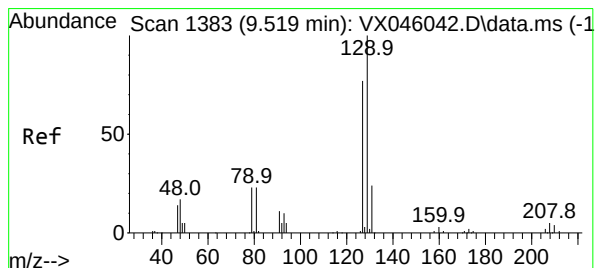
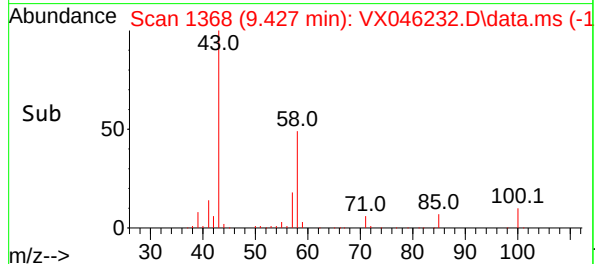
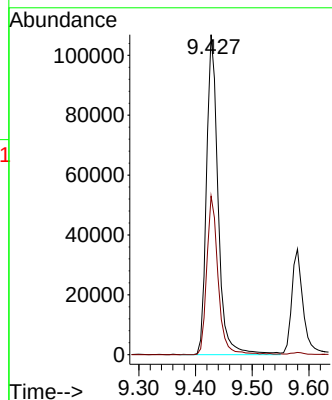
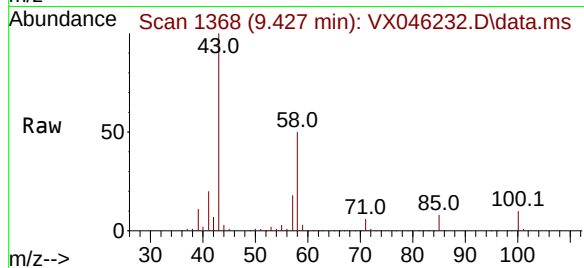
58 48.8 24.9 74.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#60

Dibromochloromethane

Concen: 21.092 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX046232.D

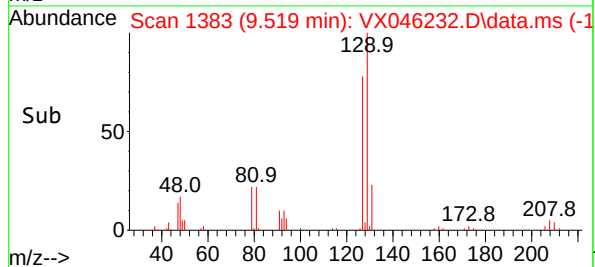
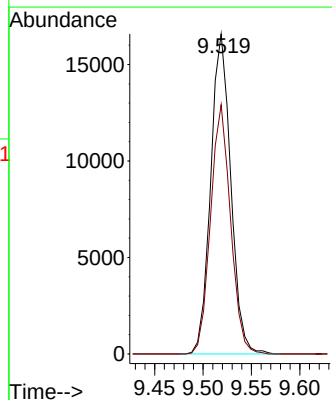
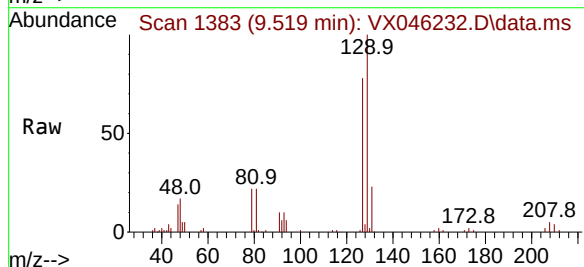
Acq: 16 May 2025 11:01

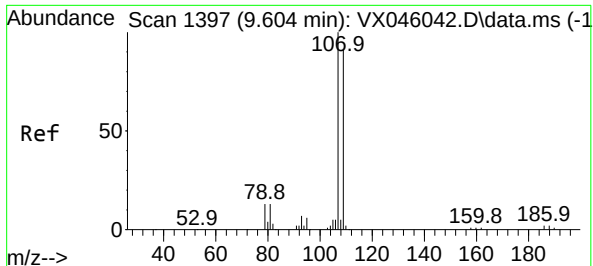
Tgt Ion:129 Resp: 23978

Ion Ratio Lower Upper

129 100

127 77.3 39.3 117.8





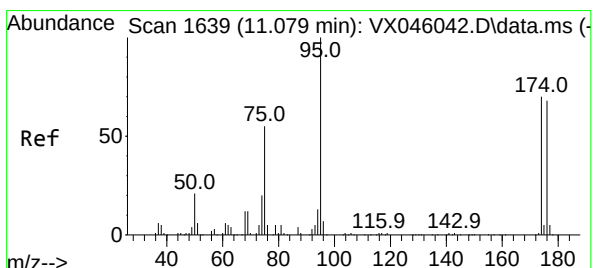
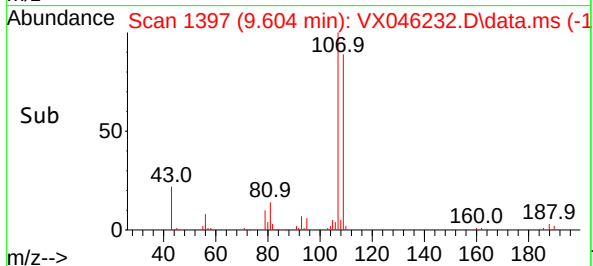
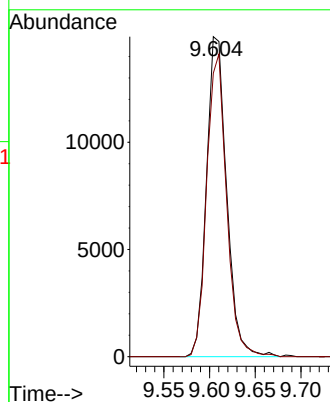
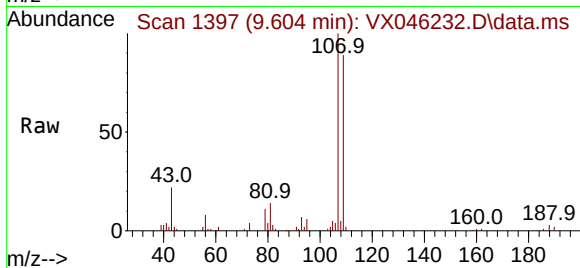
#61
1,2-Dibromoethane
Concen: 21.264 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VX046232.D
Acq: 16 May 2025 11:01

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBSD01

Tgt Ion: 107 Resp: 2287
Ion Ratio Lower Upper
107 100
109 93.1 73.3 109.9

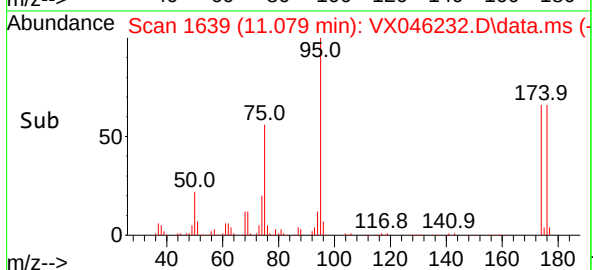
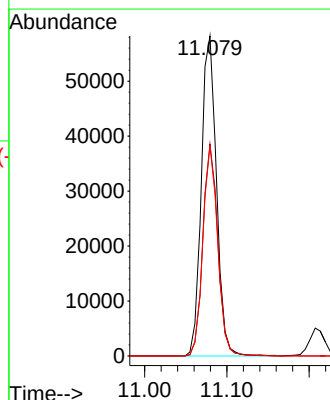
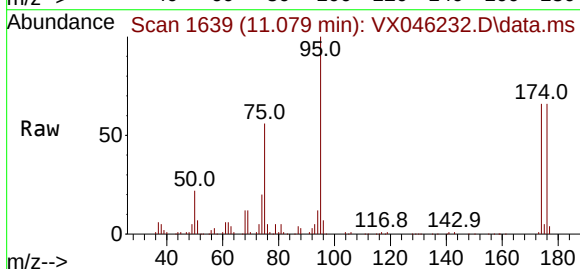
Manual Integrations
APPROVED

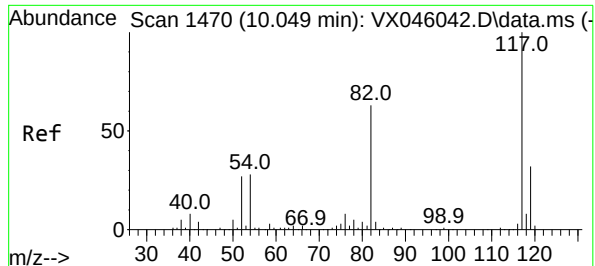
Reviewed By : John Carlone 05/19/2025
Supervised By : Mahesh Dadoda 05/19/2025



#62
4-Bromofluorobenzene
Concen: 51.537 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046232.D
Acq: 16 May 2025 11:01

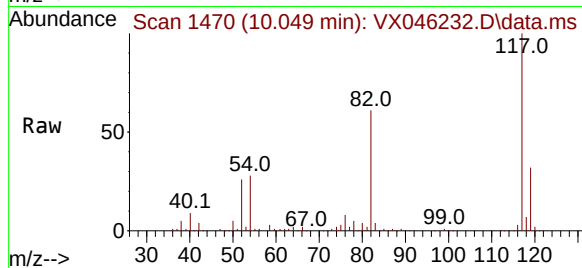
Tgt Ion: 95 Resp: 74433
Ion Ratio Lower Upper
95 100
174 65.6 0.0 135.8
176 64.1 0.0 131.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046232.D
Acq: 16 May 2025 11:01

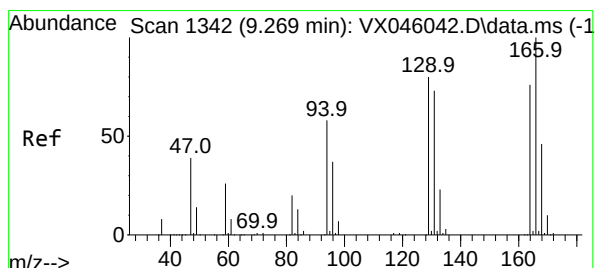
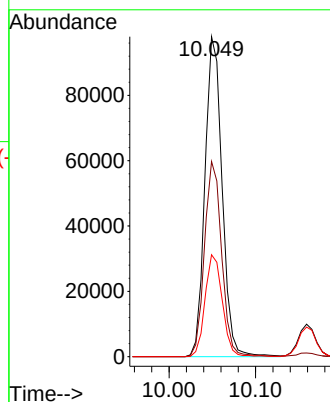
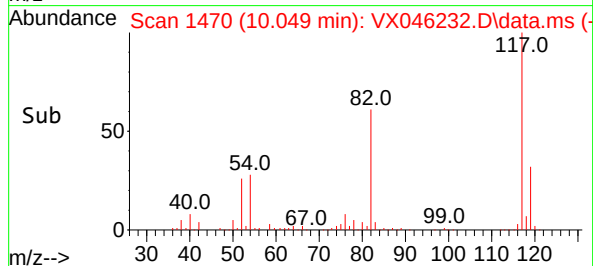
Instrument :
MSVOA_X
ClientSampleId :
VX0516WBSD01



Tgt Ion:117 Resp: 134950
Ion Ratio Lower Upper
117 100
82 61.0 50.6 76.0
119 31.9 25.8 38.6

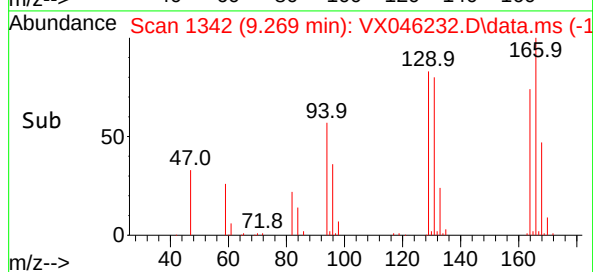
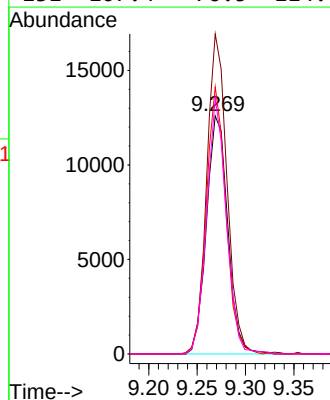
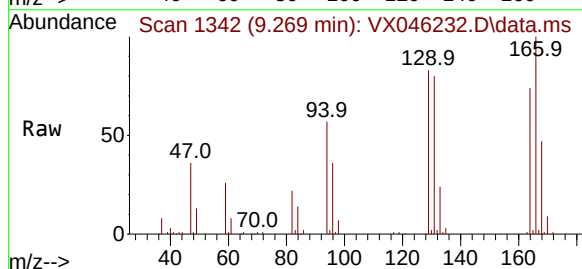
Manual Integrations
APPROVED

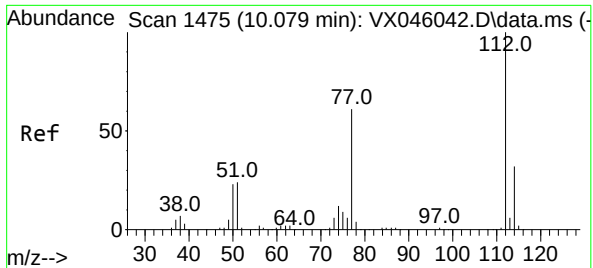
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#64
Tetrachloroethene
Concen: 20.159 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX046232.D
Acq: 16 May 2025 11:01

Tgt Ion:164 Resp: 19249
Ion Ratio Lower Upper
164 100
166 134.4 105.0 157.6
129 112.2 83.5 125.3
131 107.4 76.5 114.7





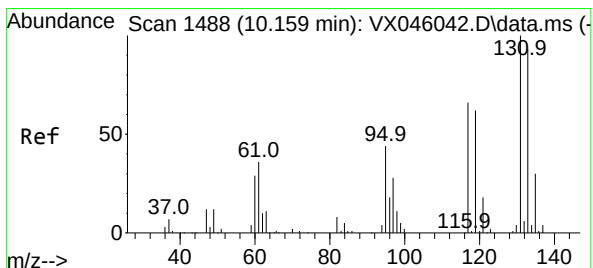
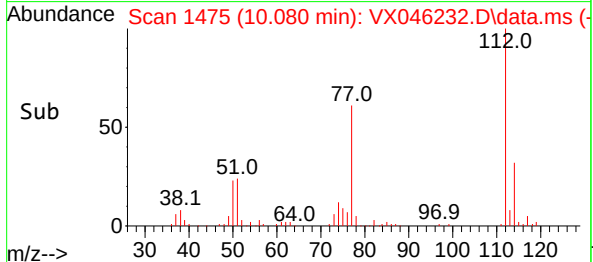
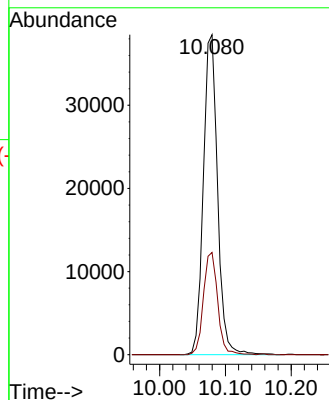
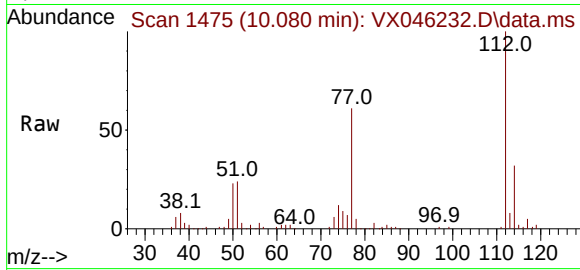
#65
Chlorobenzene
Concen: 19.545 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX046232.D
Acq: 16 May 2025 11:01

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBSD01

Tgt Ion:112 Resp: 57734
Ion Ratio Lower Upper
112 100
114 31.9 25.4 38.2

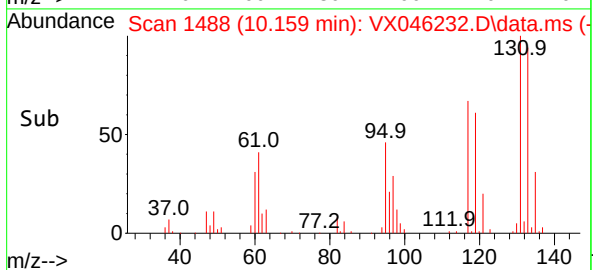
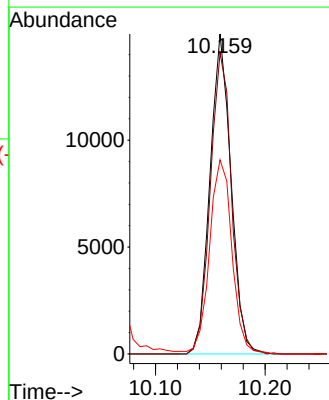
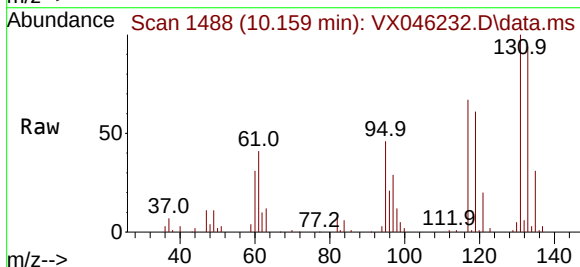
Manual Integrations
APPROVED

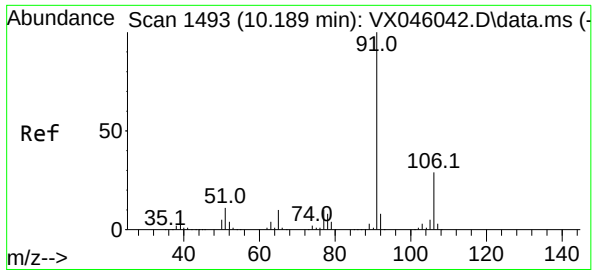
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 19.792 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX046232.D
Acq: 16 May 2025 11:01

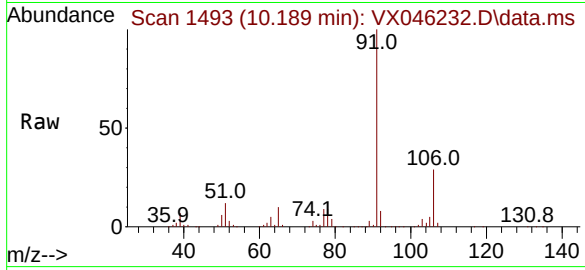
Tgt Ion:131 Resp: 19963
Ion Ratio Lower Upper
131 100
133 95.1 47.3 141.9
119 64.4 31.6 95.0





#67
Ethyl Benzene
Concen: 19.746 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VX046232.D
Acq: 16 May 2025 11:01

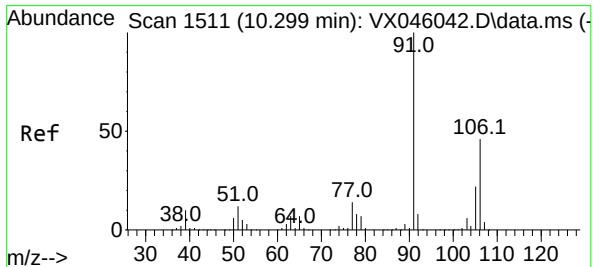
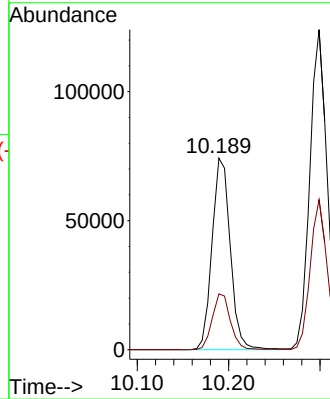
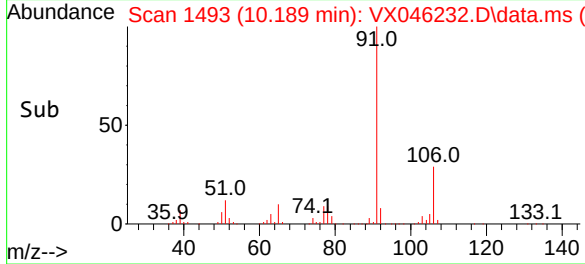
Instrument :
MSVOA_X
ClientSampleId :
VX0516WBSD01



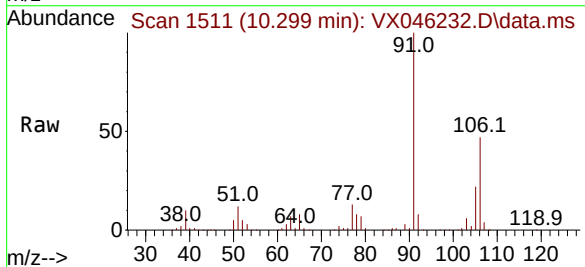
Tgt Ion: 91 Resp: 102815
Ion Ratio Lower Upper
91 100
106 29.2 23.4 35.2

Manual Integrations
APPROVED

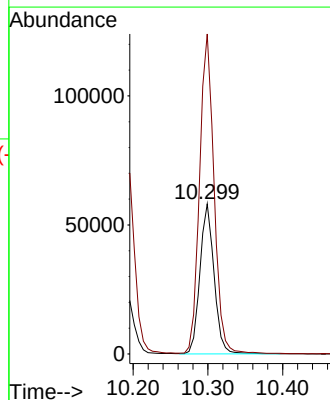
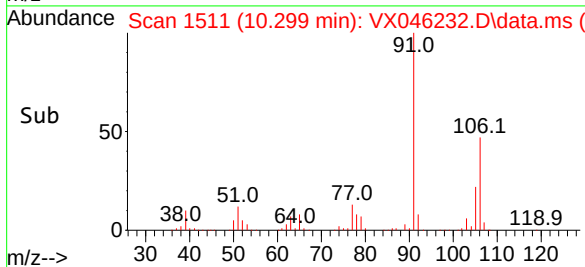
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025

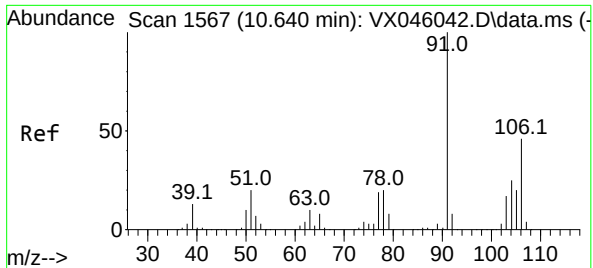


#68
m/p-Xylenes
Concen: 40.018 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX046232.D
Acq: 16 May 2025 11:01



Tgt Ion:106 Resp: 76209
Ion Ratio Lower Upper
106 100
91 219.4 171.2 256.8





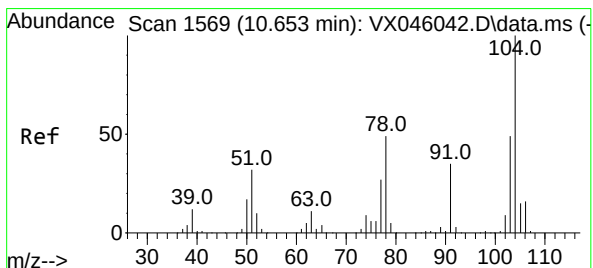
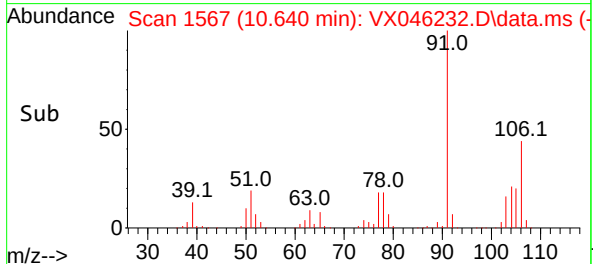
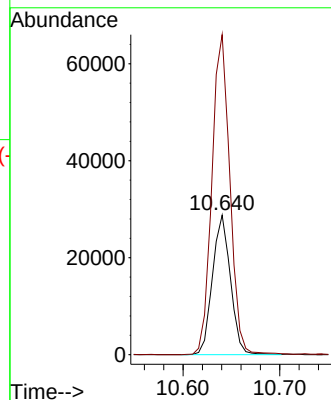
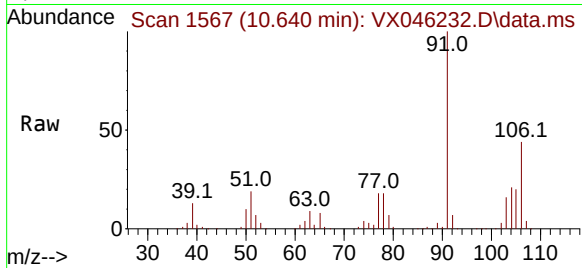
#69
o-Xylene
Concen: 20.055 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX046232.D
Acq: 16 May 2025 11:01

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBSD01

Tgt Ion:106 Resp: 3723
Ion Ratio Lower Upper
106 100
91 230.3 112.7 338.1

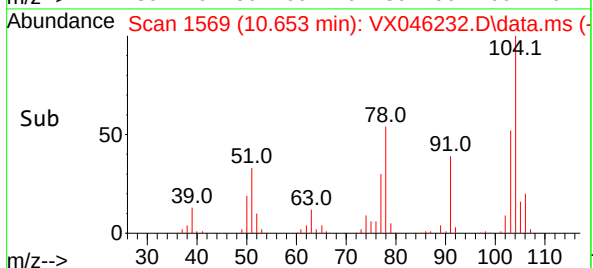
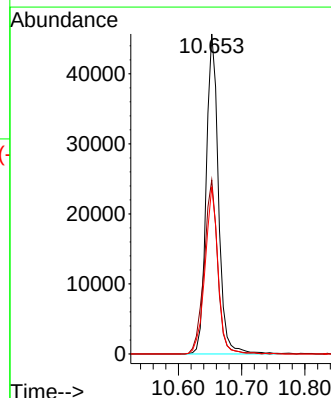
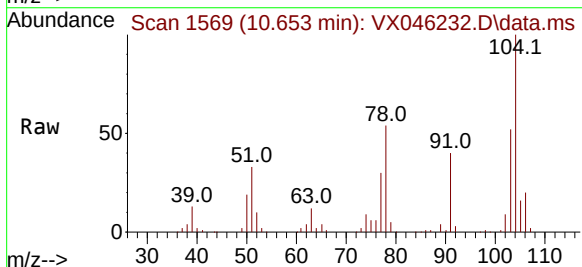
Manual Integrations
APPROVED

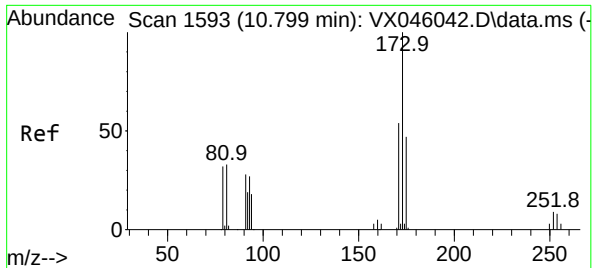
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#70
Styrene
Concen: 20.309 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX046232.D
Acq: 16 May 2025 11:01

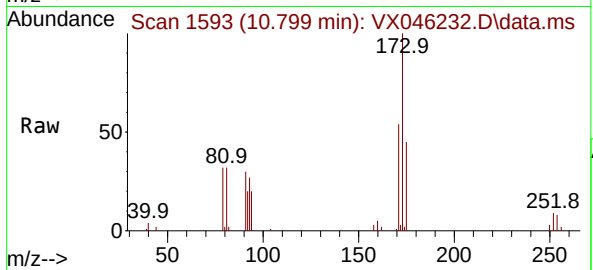
Tgt Ion:104 Resp: 61765
Ion Ratio Lower Upper
104 100
78 59.8 45.7 68.5
103 55.2 43.7 65.5





#71
Bromoform
Concen: 19.673 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX046232.D
Acq: 16 May 2025 11:01

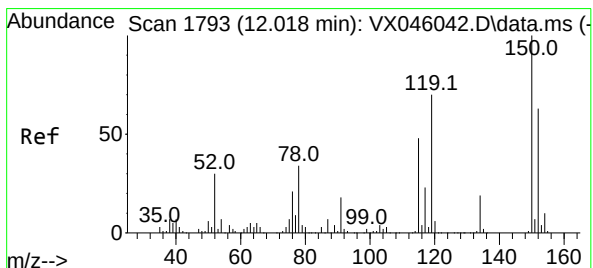
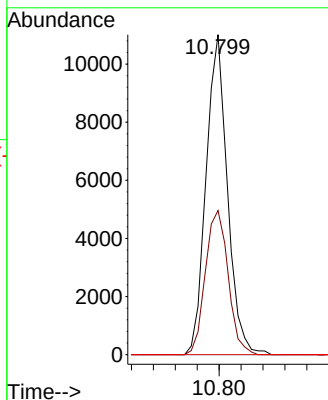
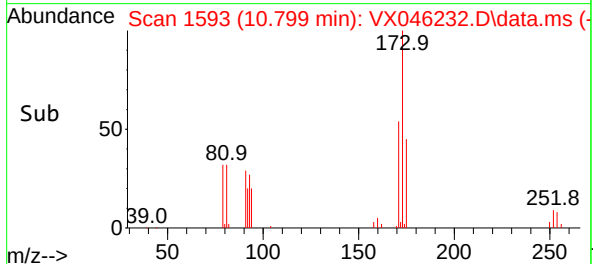
Instrument :
MSVOA_X
ClientSampleId :
VX0516WBSD01



Tgt Ion:173 Resp: 14898
Ion Ratio Lower Upper
173 100
175 48.1 23.4 70.0
254 0.0 0.0 0.0

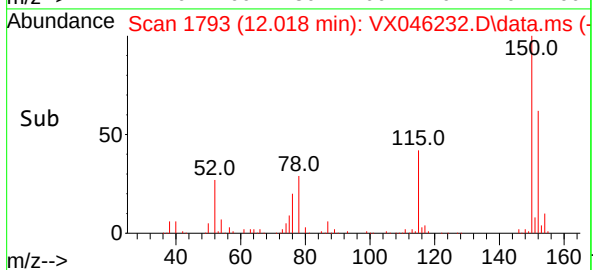
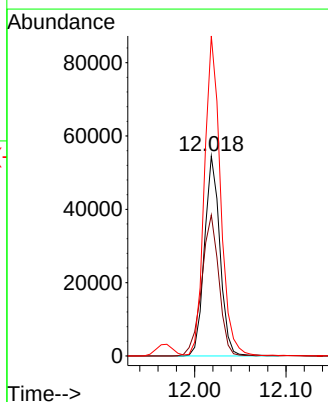
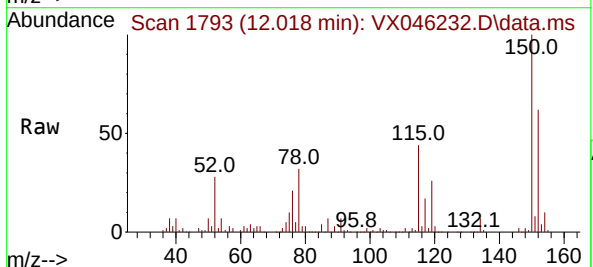
Manual Integrations
APPROVED

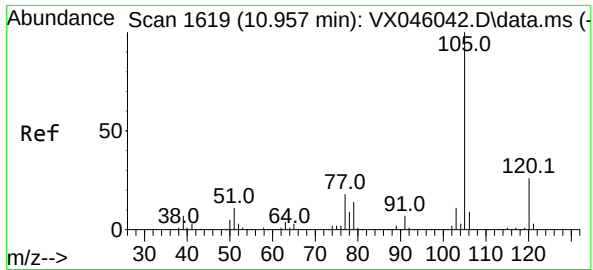
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046232.D
Acq: 16 May 2025 11:01

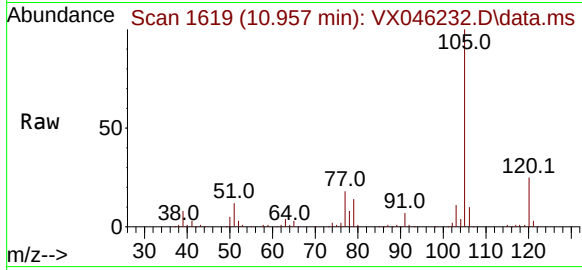
Tgt Ion:152 Resp: 63717
Ion Ratio Lower Upper
152 100
115 78.8 46.9 140.7
150 165.7 0.0 351.0





#73
Isopropylbenzene
Concen: 20.397 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX046232.D
Acq: 16 May 2025 11:01

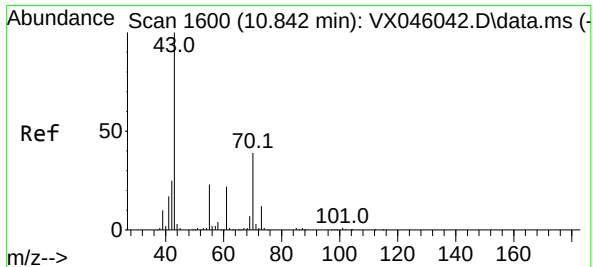
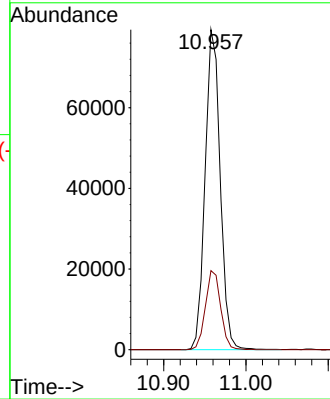
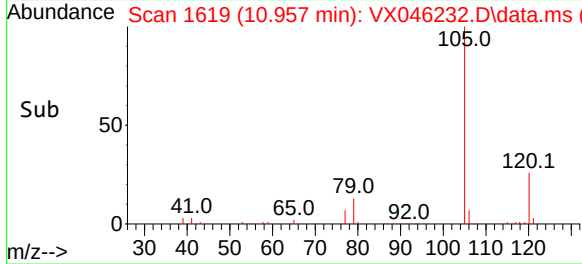
Instrument :
MSVOA_X
ClientSampleId :
VX0516WBSD01



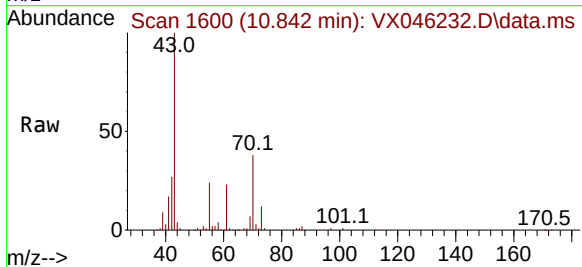
Tgt Ion:105 Resp: 10118
Ion Ratio Lower Upper
105 100
120 24.9 12.8 38.4

Manual Integrations
APPROVED

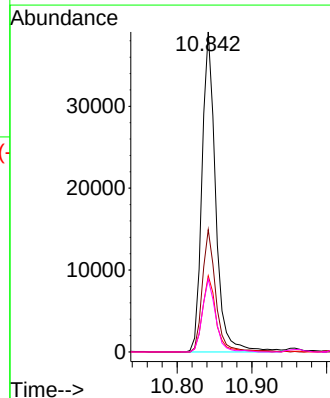
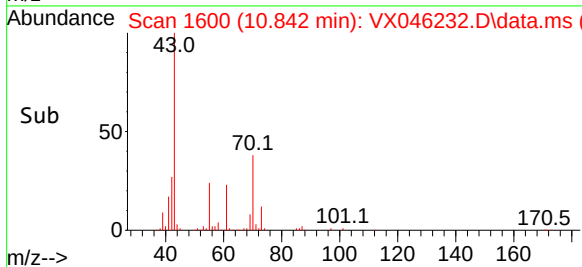
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025

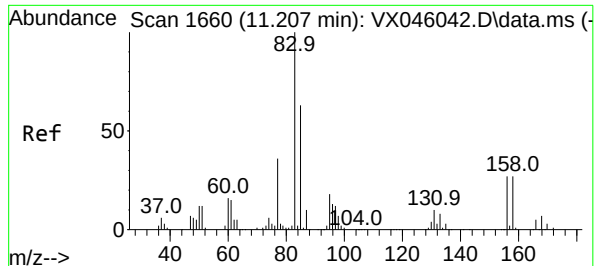


#74
N-ethyl acetate
Concen: 20.285 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX046232.D
Acq: 16 May 2025 11:01



Tgt Ion: 43 Resp: 49723
Ion Ratio Lower Upper
43 100
70 37.6 30.9 46.3
55 23.6 18.7 28.1
61 21.9 17.1 25.7





#75

1,1,2,2-Tetrachloroethane

Concen: 20.244 ug/l

RT: 11.207 min Scan# 1660

Delta R.T. 0.000 min

Lab File: VX046232.D

Acq: 16 May 2025 11:01

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBSD01

Tgt Ion: 83 Resp: 3519

Ion Ratio Lower Upper

83 100

131 10.0 5.0 14.9

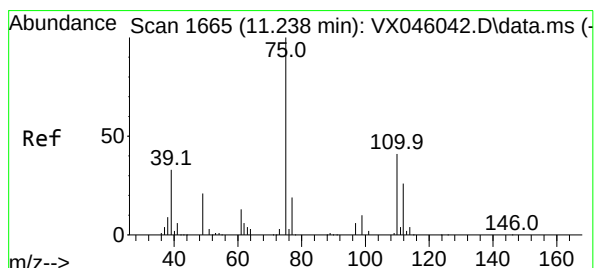
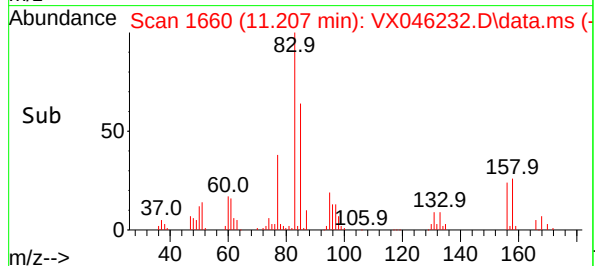
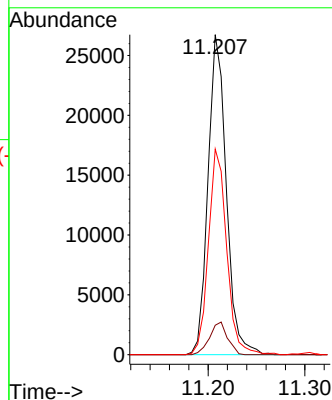
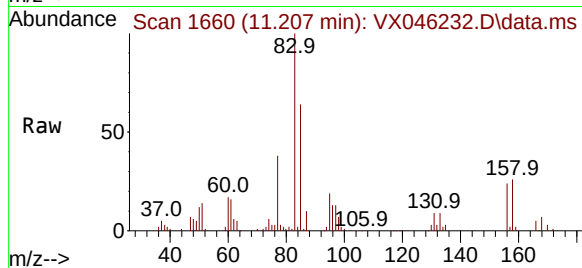
85 64.2 31.9 95.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#76

1,2,3-Trichloropropane

Concen: 20.781 ug/l m

RT: 11.238 min Scan# 1665

Delta R.T. 0.000 min

Lab File: VX046232.D

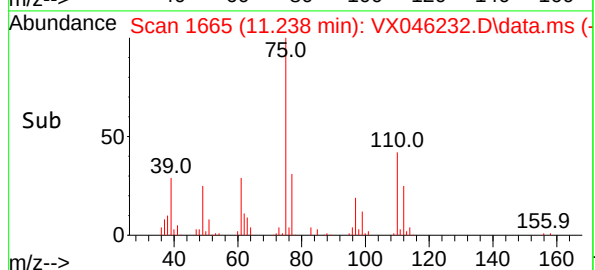
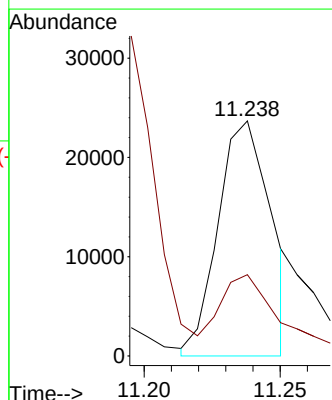
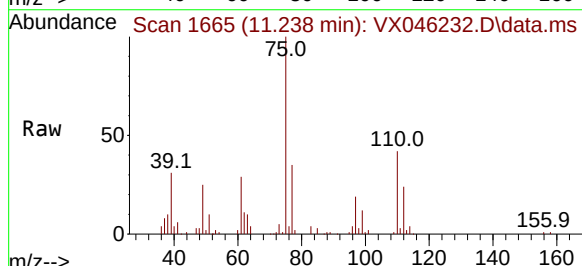
Acq: 16 May 2025 11:01

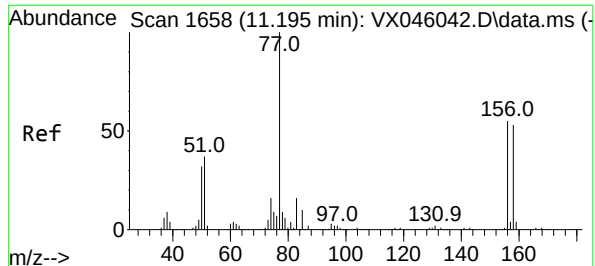
Tgt Ion: 75 Resp: 31872

Ion Ratio Lower Upper

75 100

77 40.8 20.5 61.5





#77

Bromobenzene

Concen: 20.070 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. 0.000 min

Lab File: VX046232.D

Acq: 16 May 2025 11:01

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBSD01

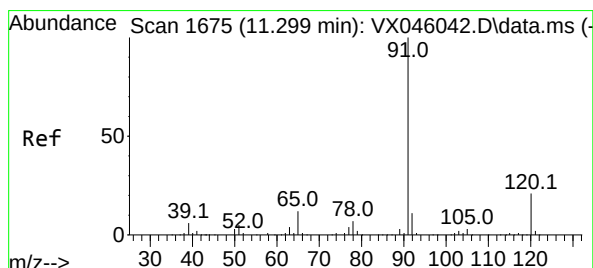
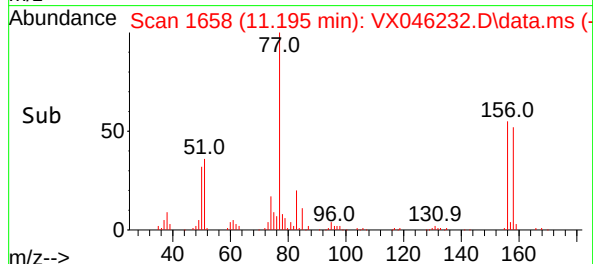
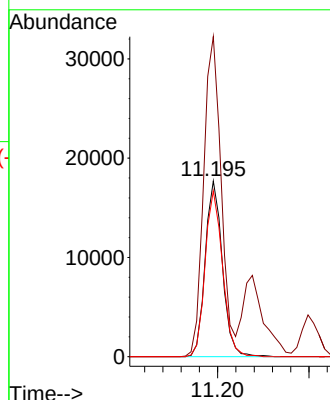
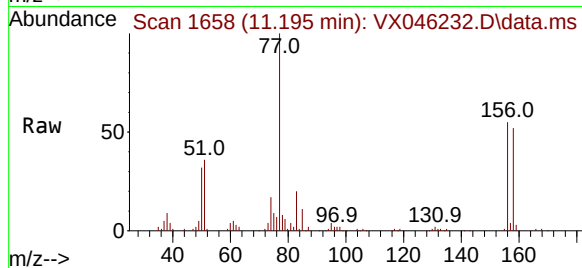
Tgt Ion:	156	Resp:	23114
Ion Ratio	Lower	Upper	
156	100		
77	186.1	92.8	278.3
158	96.3	48.8	146.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#78

n-propylbenzene

Concen: 20.342 ug/l

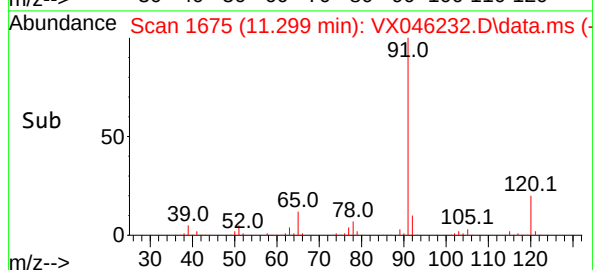
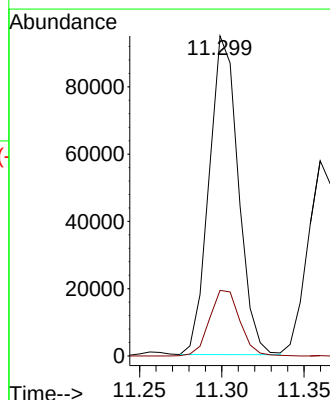
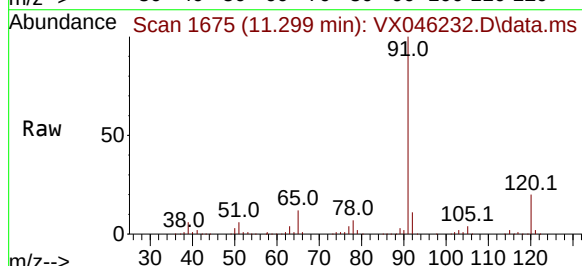
RT: 11.299 min Scan# 1675

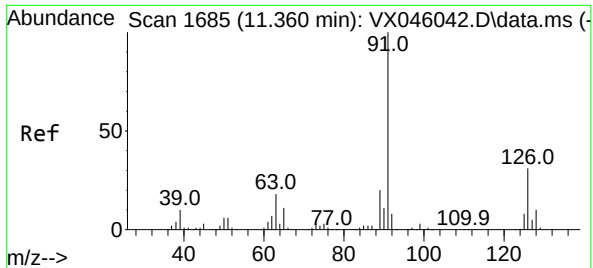
Delta R.T. 0.000 min

Lab File: VX046232.D

Acq: 16 May 2025 11:01

Tgt Ion:	91	Resp:	117330
Ion Ratio	Lower	Upper	
91	100		
120	21.4	10.8	32.4





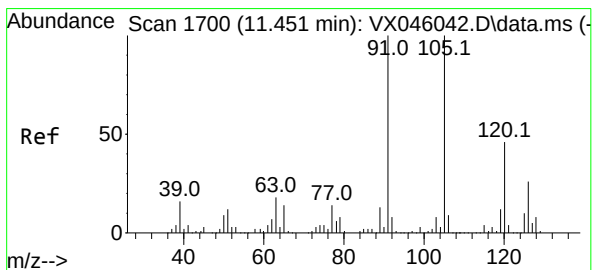
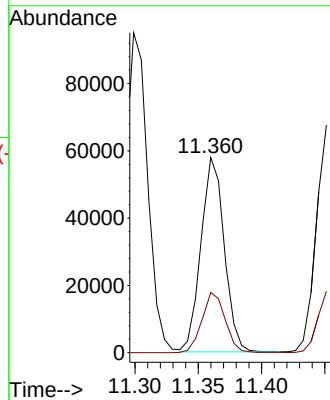
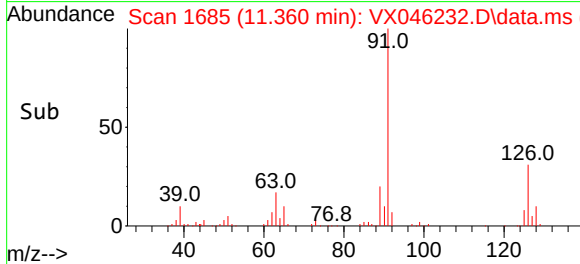
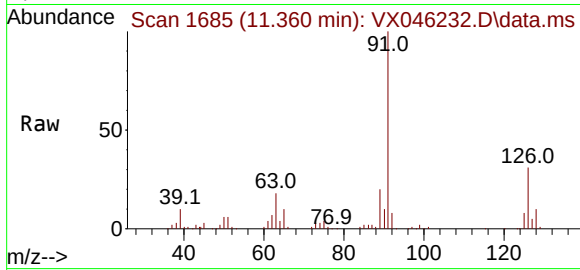
#79
2-Chlorotoluene
Concen: 19.954 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VX046232.D
Acq: 16 May 2025 11:01

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBSD01

Tgt Ion: 91 Resp: 74235
Ion Ratio Lower Upper
91 100
126 30.9 15.6 46.7

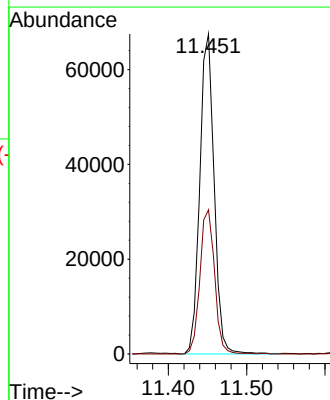
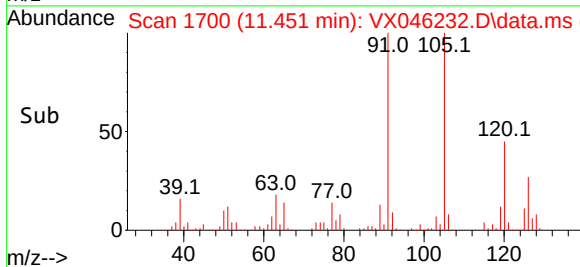
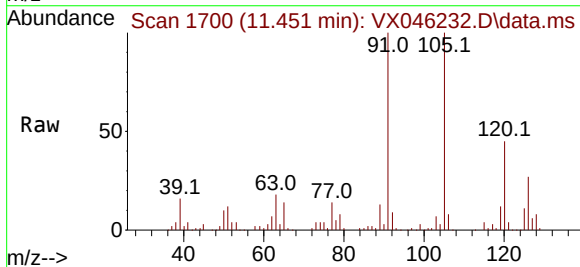
Manual Integrations
APPROVED

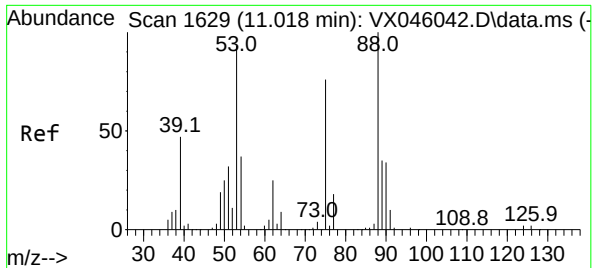
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#80
1,3,5-Trimethylbenzene
Concen: 20.766 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046232.D
Acq: 16 May 2025 11:01

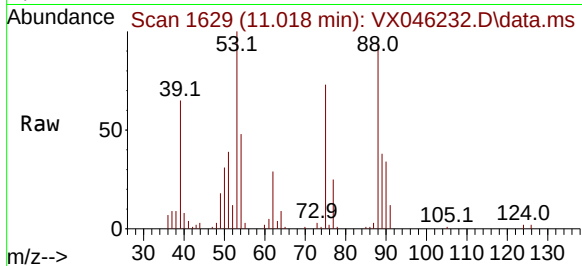
Tgt Ion:105 Resp: 86060
Ion Ratio Lower Upper
105 100
120 46.0 23.1 69.2





#81
trans-1,4-Dichloro-2-butene
Concen: 18.581 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX046232.D
Acq: 16 May 2025 11:01

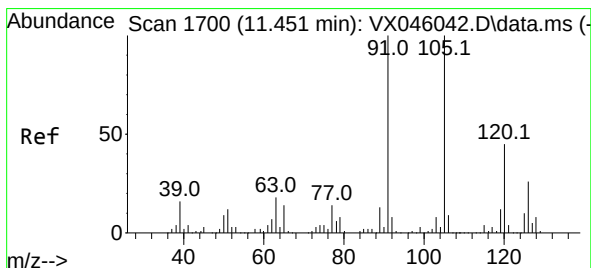
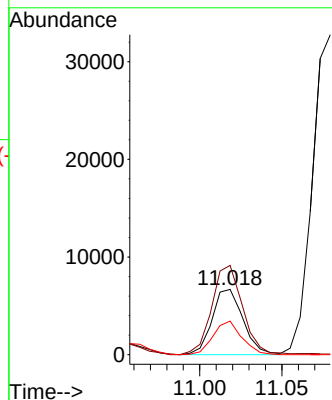
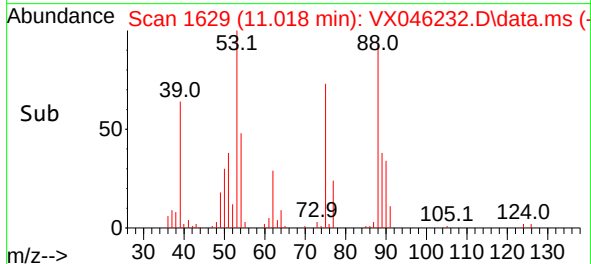
Instrument :
MSVOA_X
ClientSampleId :
VX0516WBSD01



Tgt Ion: 75 Resp: 875
Ion Ratio Lower Upper
75 100
53 138.3 100.5 150.7
89 47.7 37.0 55.6

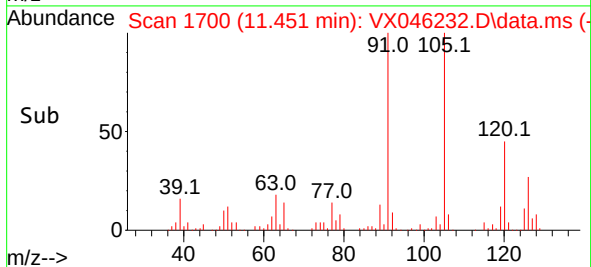
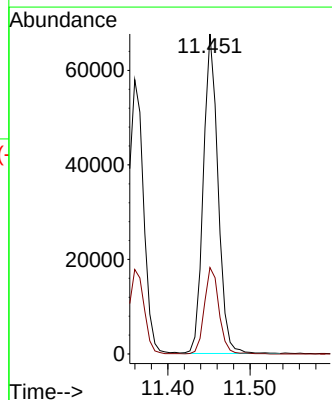
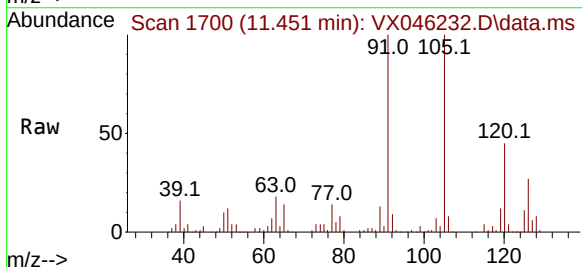
Manual Integrations
APPROVED

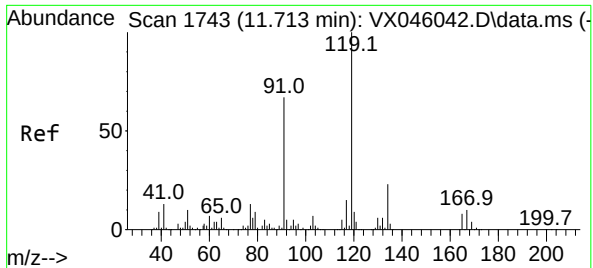
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#82
4-Chlorotoluene
Concen: 20.295 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046232.D
Acq: 16 May 2025 11:01

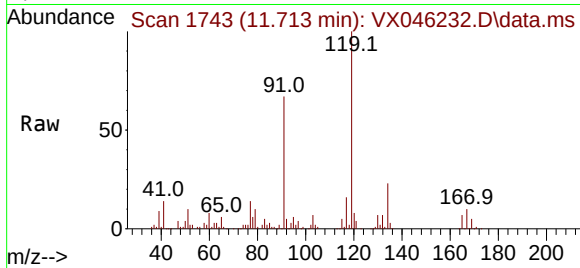
Tgt Ion: 91 Resp: 83730
Ion Ratio Lower Upper
91 100
126 27.0 13.3 39.8





#83
tert-Butylbenzene
Concen: 20.137 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX046232.D
Acq: 16 May 2025 11:01

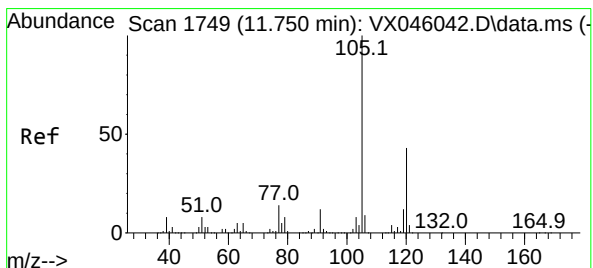
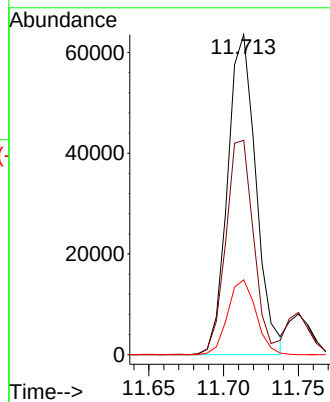
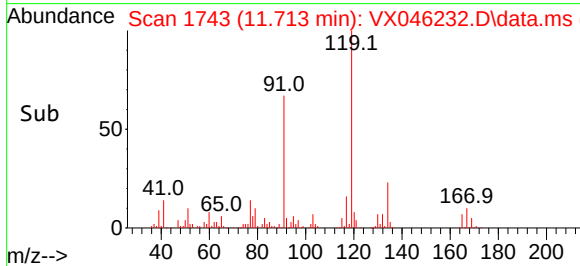
Instrument :
MSVOA_X
ClientSampleId :
VX0516WBSD01



Tgt Ion:119 Resp: 84059
Ion Ratio Lower Upper
119 100
91 65.2 32.9 98.7
134 23.2 11.4 34.1

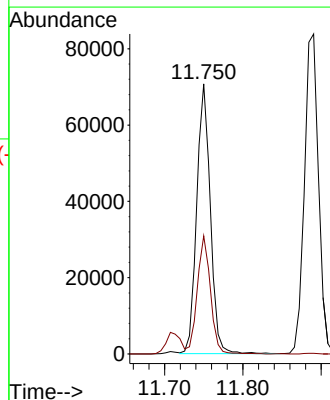
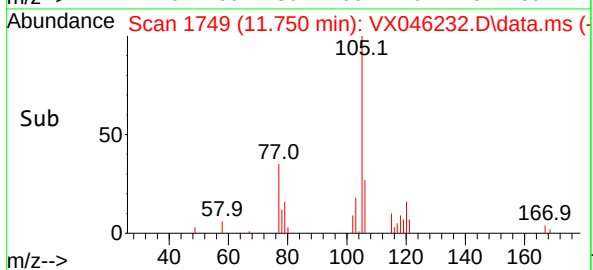
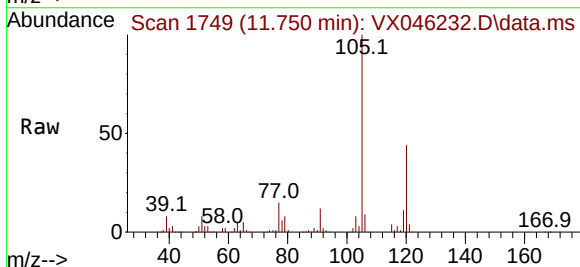
Manual Integrations
APPROVED

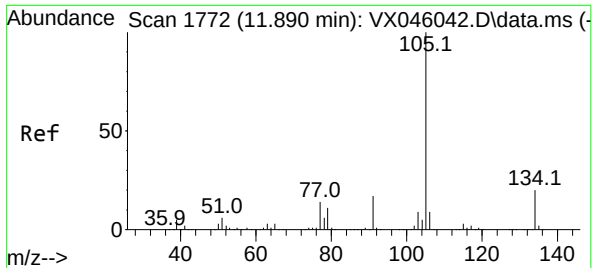
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#84
1,2,4-Trimethylbenzene
Concen: 20.393 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX046232.D
Acq: 16 May 2025 11:01

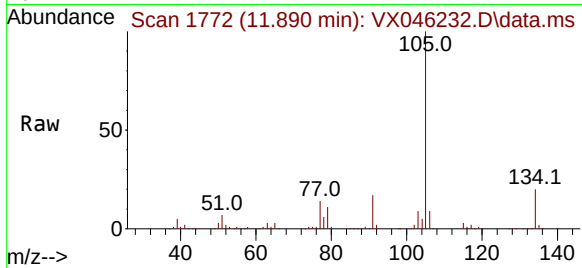
Tgt Ion:105 Resp: 85584
Ion Ratio Lower Upper
105 100
120 42.4 21.2 63.6





#85
 sec-Butylbenzene
 Concen: 20.519 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX046232.D
 Acq: 16 May 2025 11:01

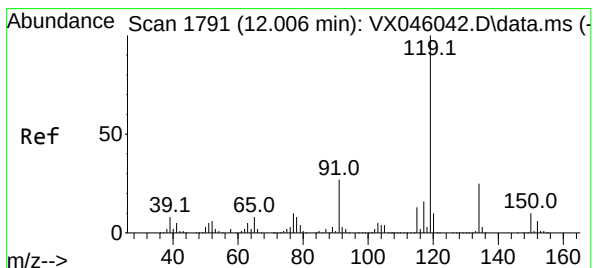
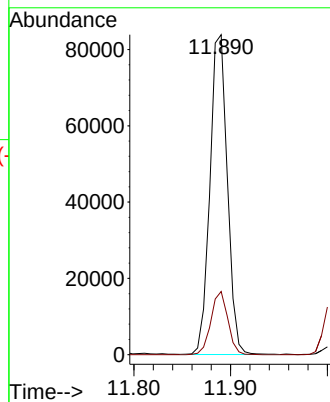
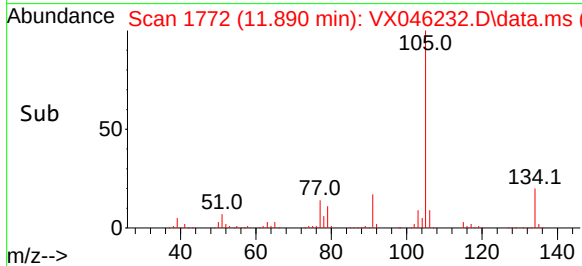
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516WBSD01



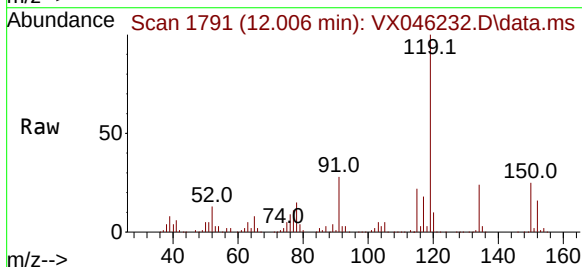
Tgt Ion:105 Resp: 105170
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.7 29.1

Manual Integrations
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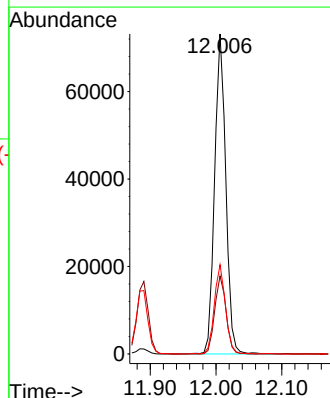
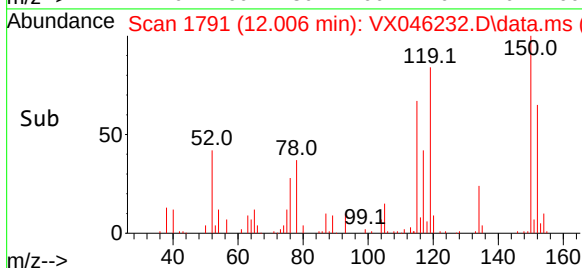
Reviewed By :John Carlone 05/19/2025
 Supervised By :Mahesh Dadoda 05/19/2025

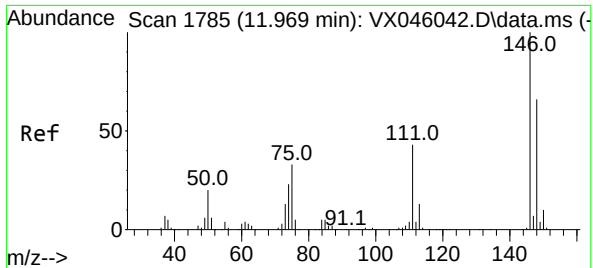


#86
 p-Isopropyltoluene
 Concen: 20.474 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. 0.000 min
 Lab File: VX046232.D
 Acq: 16 May 2025 11:01



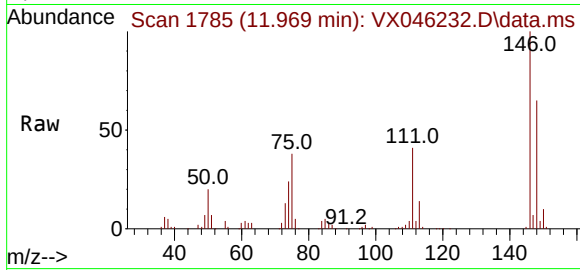
Tgt Ion:119 Resp: 86620
 Ion Ratio Lower Upper
 119 100
 134 24.6 12.5 37.5
 91 28.0 13.8 41.4





#87
1,3-Dichlorobenzene
Concen: 19.894 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX046232.D
Acq: 16 May 2025 11:01

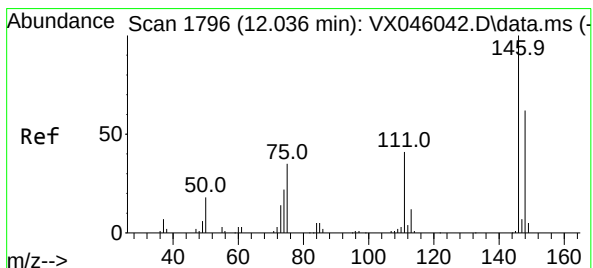
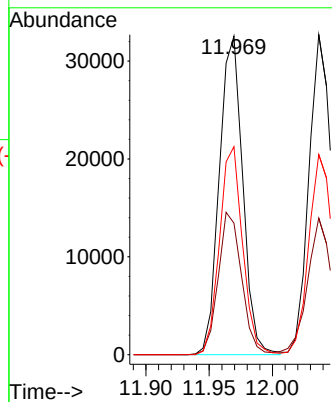
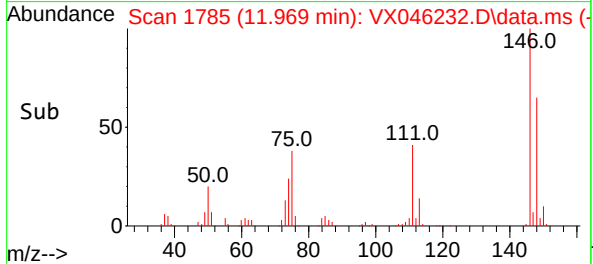
Instrument :
MSVOA_X
ClientSampleId :
VX0516WBSD01



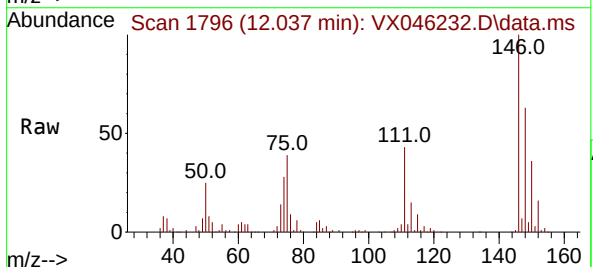
Tgt Ion:146 Resp: 41814
Ion Ratio Lower Upper
146 100
111 44.6 22.1 66.3
148 64.5 32.1 96.5

Manual Integrations
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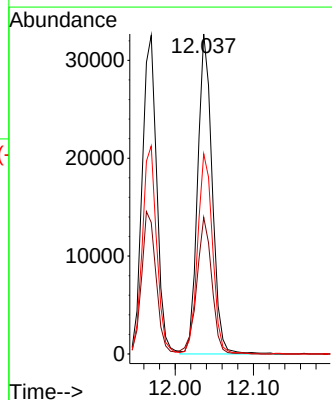
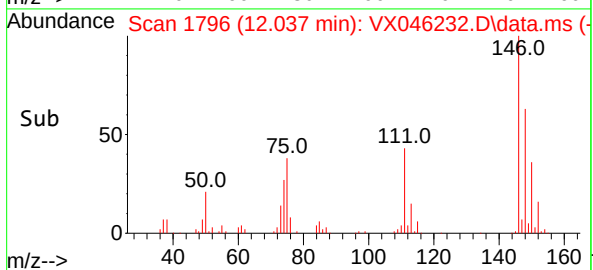
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025

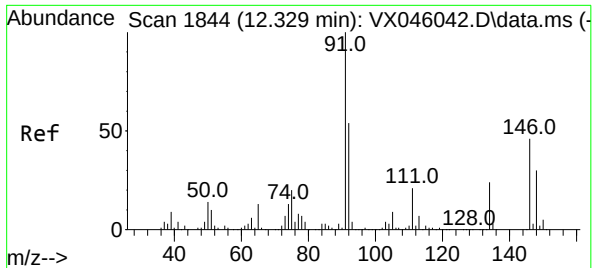


#88
1,4-Dichlorobenzene
Concen: 19.634 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX046232.D
Acq: 16 May 2025 11:01



Tgt Ion:146 Resp: 42145
Ion Ratio Lower Upper
146 100
111 44.4 21.3 63.9
148 64.1 31.9 95.5





#89

n-Butylbenzene

Concen: 19.864 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX046232.D

Acq: 16 May 2025 11:01

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBSD01

Tgt Ion: 91 Resp: 7371

Ion Ratio Lower Upper

91 100

92 52.9 26.9 80.7

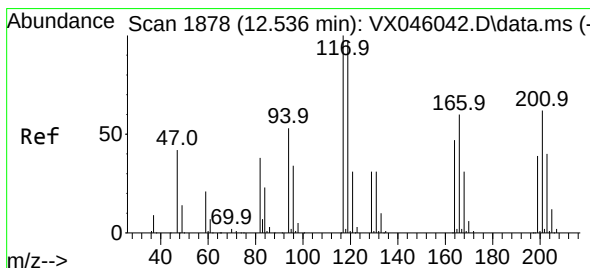
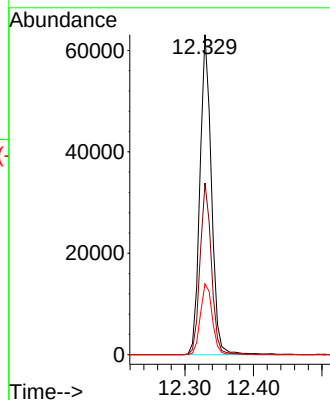
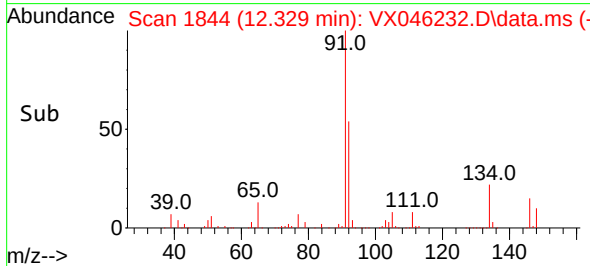
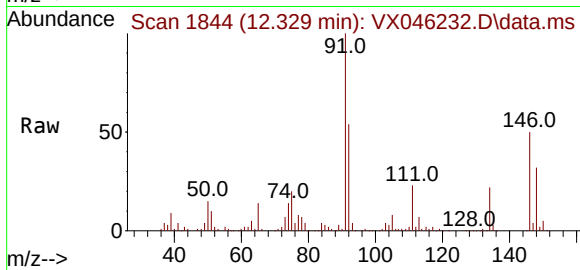
134 23.1 11.8 35.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#90

Hexachloroethane

Concen: 18.915 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX046232.D

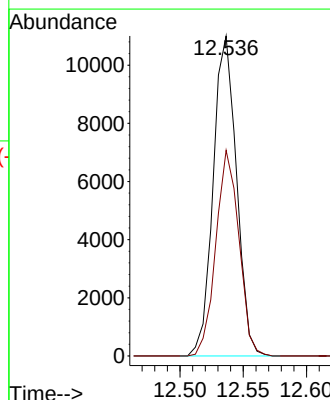
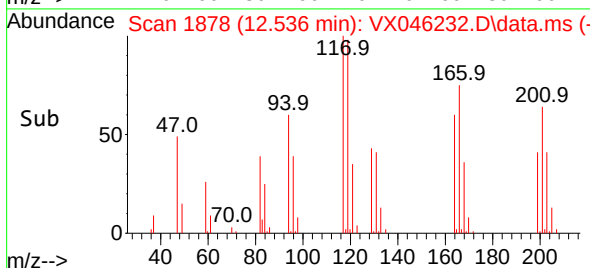
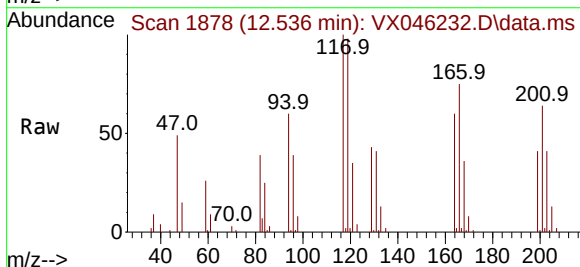
Acq: 16 May 2025 11:01

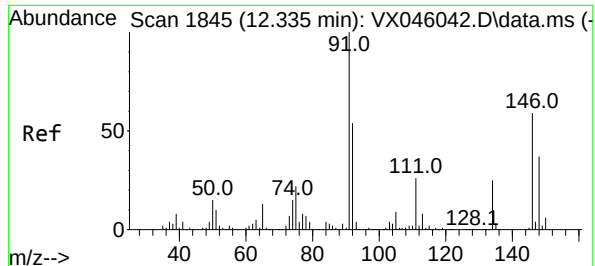
Tgt Ion:117 Resp: 14098

Ion Ratio Lower Upper

117 100

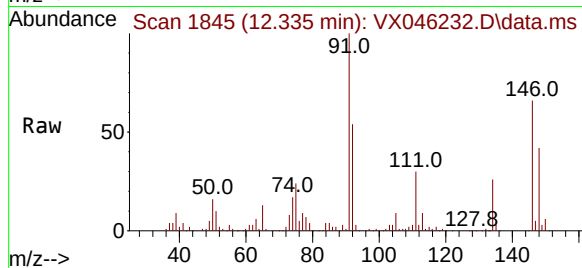
201 63.6 31.6 94.7





#91
1,2-Dichlorobenzene
Concen: 20.448 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX046232.D
Acq: 16 May 2025 11:01

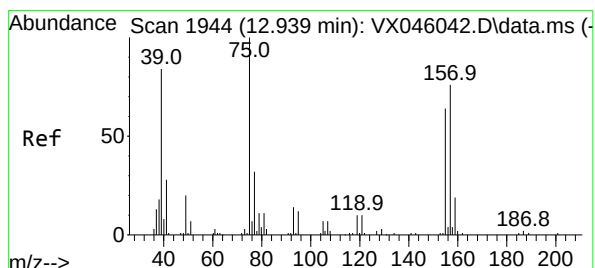
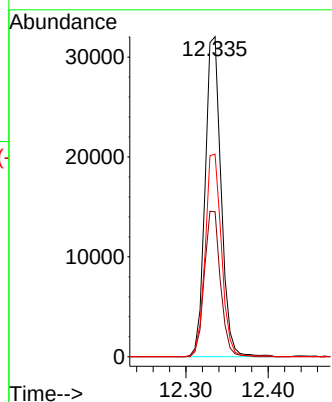
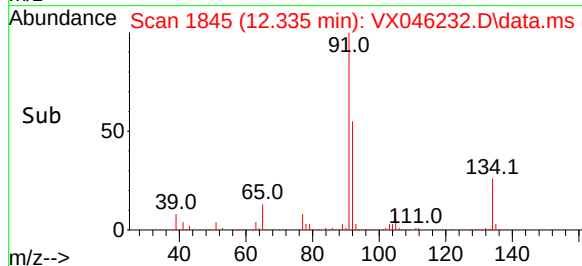
Instrument :
MSVOA_X
ClientSampleId :
VX0516WBSD01



Tgt Ion:146 Resp: 4312
Ion Ratio Lower Upper
146 100
111 45.8 22.4 67.3
148 64.4 31.6 94.8

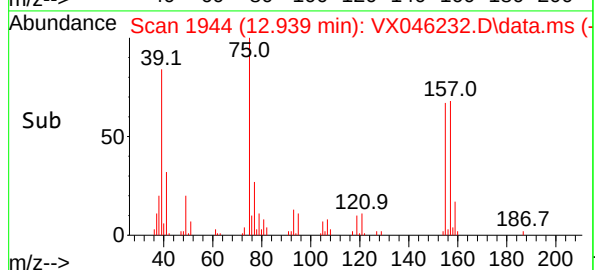
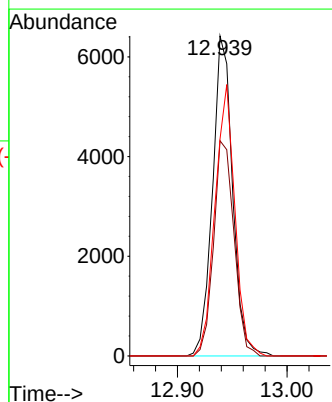
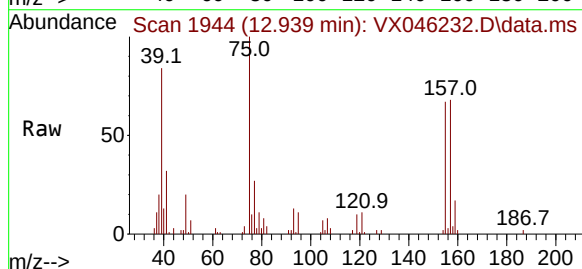
Manual Integrations
APPROVED

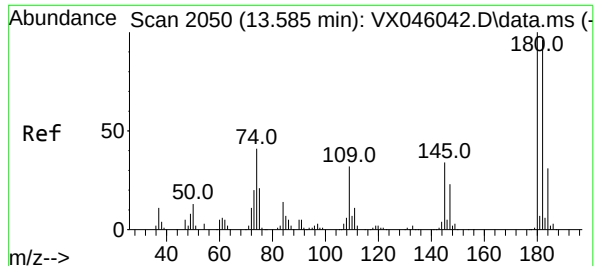
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 21.220 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX046232.D
Acq: 16 May 2025 11:01

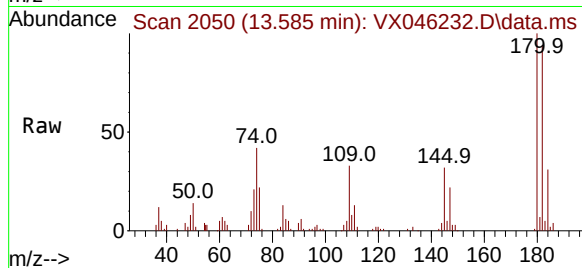
Tgt Ion: 75 Resp: 8172
Ion Ratio Lower Upper
75 100
155 68.4 34.9 104.8
157 83.7 43.8 131.4





#93
1,2,4-Trichlorobenzene
Concen: 18.995 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX046232.D
Acq: 16 May 2025 11:01

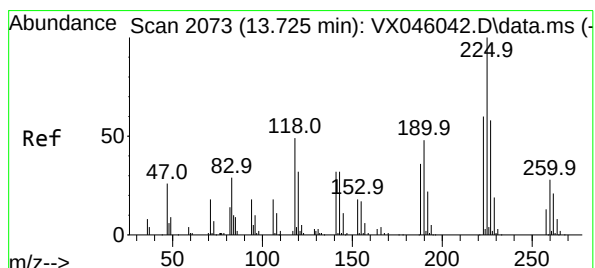
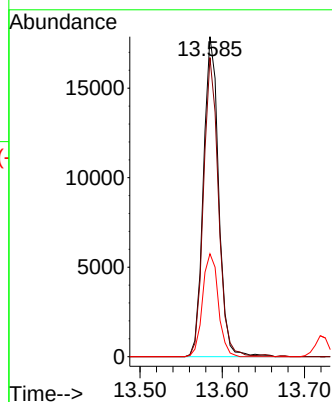
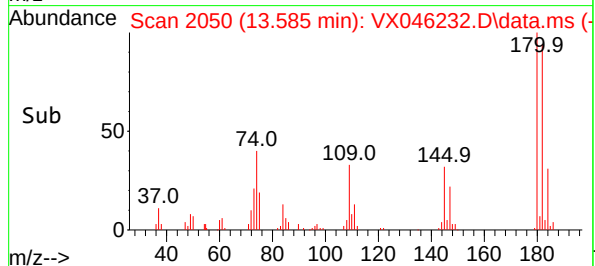
Instrument :
MSVOA_X
ClientSampleId :
VX0516WBSD01



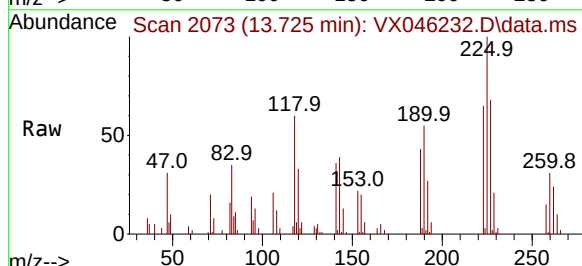
Tgt Ion:180 Resp: 2301
Ion Ratio Lower Upper
180 100
182 91.5 47.9 143.8
145 33.1 17.1 51.2

Manual Integrations
APPROVED

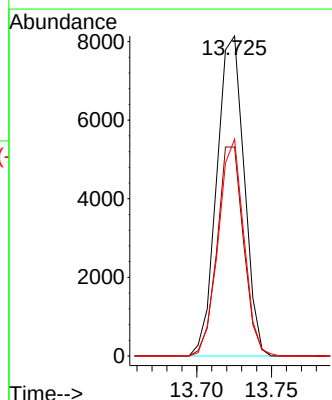
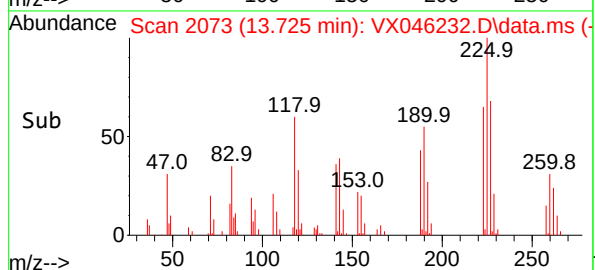
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025

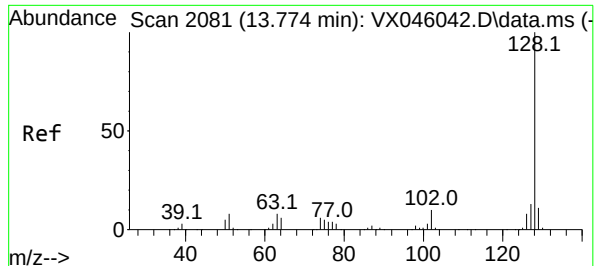


#94
Hexachlorobutadiene
Concen: 19.589 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX046232.D
Acq: 16 May 2025 11:01



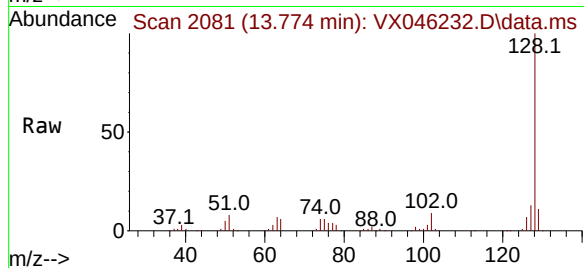
Tgt Ion:225 Resp: 10364
Ion Ratio Lower Upper
225 100
223 63.2 30.8 92.4
227 63.2 30.9 92.7





#95
Naphthalene
Concen: 18.958 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX046232.D
Acq: 16 May 2025 11:01

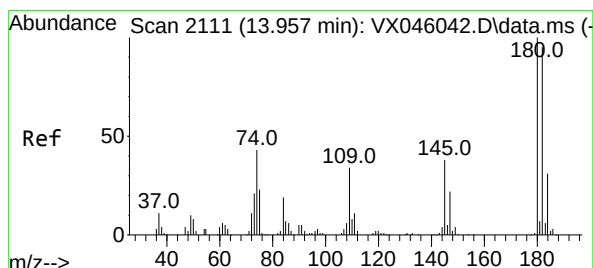
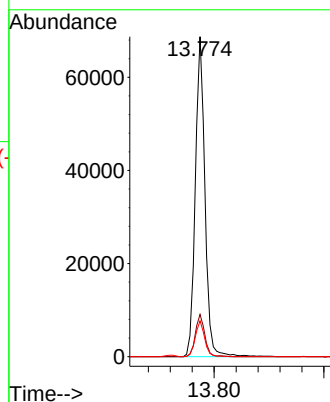
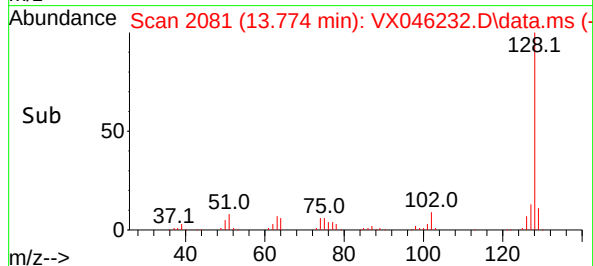
Instrument :
MSVOA_X
ClientSampleId :
VX0516WBSD01



Tgt Ion:128 Resp: 8423
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 10.9 8.6 13.0

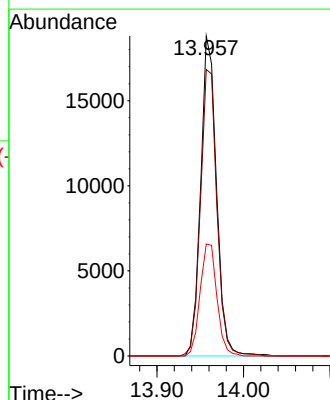
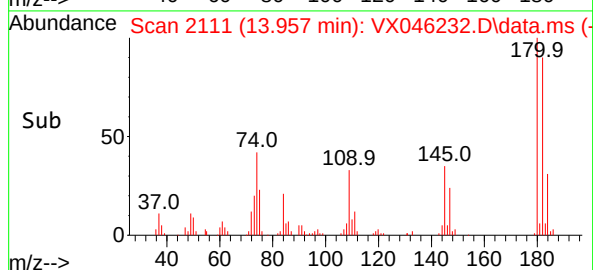
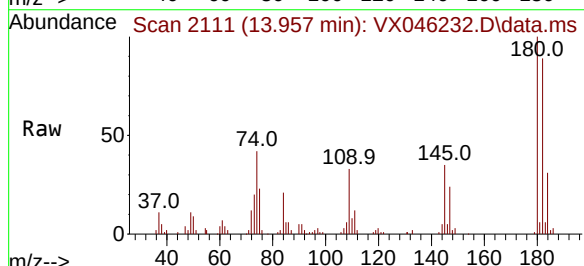
Manual Integrations
APPROVED

Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#96
1,2,3-Trichlorobenzene
Concen: 19.107 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX046232.D
Acq: 16 May 2025 11:01

Tgt Ion:180 Resp: 23883
Ion Ratio Lower Upper
180 100
182 92.9 47.8 143.3
145 37.2 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:

VX051625

Instrument

MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX046228.D	1,2,3-Trichloropropane	JOHN	5/19/2025 9:36:38 AM	MMDadoda	5/19/2025 2:43:46 PM	Peak Integrated by Software
VX0516WBS01	VX046231.D	1,2,3-Trichloropropane	JOHN	5/19/2025 9:36:42 AM	Sam	5/19/2025 2:45:23 PM	Peak Integrated by Software
VX0516WBSD0 1	VX046232.D	1,2,3-Trichloropropane	JOHN	5/19/2025 9:36:46 AM	MMDadoda	5/19/2025 2:43:42 PM	Peak Integrated by Software
VSTDCCC050	VX046253.D	1,2,3-Trichloropropane	JOHN	5/19/2025 9:49:57 AM	MMDadoda	5/19/2025 2:43:42 PM	Peak Integrated by Software

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 # VX051625

Review By	John Carlone	Review On	5/19/2025 9:52:53 AM
Supervise By	Maresh Dadoda	Supervise On	5/19/2025 2:43:54 PM
SubDirectory	VX051625	HP Acquire Method	HP Processing Method 82X050525W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133949		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133950,VP133951		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX046227.D	16 May 2025 08:47	JC/MD	Ok
2	VSTDCCC050	VX046228.D	16 May 2025 09:22	JC/MD	Ok,M
3	VX0516MBL01	VX046229.D	16 May 2025 09:49	JC/MD	Ok
4	VX0516WBL01	VX046230.D	16 May 2025 10:12	JC/MD	Ok
5	VX0516WBS01	VX046231.D	16 May 2025 10:36	JC/MD	Ok,M
6	VX0516WBSD01	VX046232.D	16 May 2025 11:01	JC/MD	Ok,M
7	Q2027-03	VX046233.D	16 May 2025 11:25	JC/MD	Ok
8	Q2027-04	VX046234.D	16 May 2025 11:48	JC/MD	Ok,M
9	Q2034-24	VX046235.D	16 May 2025 12:11	JC/MD	Ok
10	Q2048-04	VX046236.D	16 May 2025 12:35	JC/MD	Ok
11	Q2048-08	VX046237.D	16 May 2025 12:58	JC/MD	Ok
12	Q2048-12	VX046238.D	16 May 2025 13:21	JC/MD	Ok
13	Q2048-16	VX046239.D	16 May 2025 13:45	JC/MD	Ok
14	IBLK	VX046240.D	16 May 2025 14:08	JC/MD	Ok
15	IBLK	VX046241.D	16 May 2025 14:32	JC/MD	Ok
16	Q2061-01	VX046242.D	16 May 2025 14:55	JC/MD	Ok
17	Q2061-02	VX046243.D	16 May 2025 15:18	JC/MD	Ok
18	Q2061-03	VX046244.D	16 May 2025 15:42	JC/MD	Ok
19	Q2061-04	VX046245.D	16 May 2025 16:05	JC/MD	Ok
20	Q2072-05	VX046246.D	16 May 2025 16:29	JC/MD	Ok
21	Q2072-06	VX046247.D	16 May 2025 16:52	JC/MD	Ok

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QCBatch ID # VX051625

Review By	John Carlone	Review On	5/19/2025 9:52:53 AM
Supervise By	Maresh Dadoda	Supervise On	5/19/2025 2:43:54 PM
SubDirectory	VX051625	HP Acquire Method	HP Processing Method 82X050525W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133949		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133950,VP133951		

22	Q2072-01	VX046248.D	16 May 2025 17:15	JC/MD	Ok
23	Q2072-02	VX046249.D	16 May 2025 17:39	JC/MD	Ok
24	Q2072-03	VX046250.D	16 May 2025 18:02	JC/MD	Ok
25	Q2072-04	VX046251.D	16 May 2025 18:26	JC/MD	Ok
26	Q2067-01	VX046252.D	16 May 2025 18:49	JC/MD	Ok,M
27	VSTDCCC050	VX046253.D	16 May 2025 19:12	JC/MD	Ok,M

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 # VX051625

Review By	John Carlone	Review On	5/19/2025 9:52:53 AM
Supervise By	Maresh Dadoda	Supervise On	5/19/2025 2:43:54 PM
SubDirectory	VX051625	HP Acquire Method	HP Processing Method 82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP133949
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133950,VP133951

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX046227.D	16 May 2025 08:47		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX046228.D	16 May 2025 09:22	pH#Lot#V12668	JC/MD	Ok,M
3	VX0516MBL01	VX0516MBL01	VX046229.D	16 May 2025 09:49		JC/MD	Ok
4	VX0516WBL01	VX0516WBL01	VX046230.D	16 May 2025 10:12		JC/MD	Ok
5	VX0516WBS01	VX0516WBS01	VX046231.D	16 May 2025 10:36		JC/MD	Ok,M
6	VX0516WBSD01	VX0516WBSD01	VX046232.D	16 May 2025 11:01		JC/MD	Ok,M
7	Q2027-03	B27-SOIL-SAMPLE	VX046233.D	16 May 2025 11:25	vial A pH#5.0	JC/MD	Ok
8	Q2027-04	B28-SOIL-SAMPLE	VX046234.D	16 May 2025 11:48	vial A pH#5.0	JC/MD	Ok,M
9	Q2034-24	L3-WC-6	VX046235.D	16 May 2025 12:11	vial A pH#5.0	JC/MD	Ok
10	Q2048-04	L2-WC-1	VX046236.D	16 May 2025 12:35	vial A pH#5.0	JC/MD	Ok
11	Q2048-08	L2-WC-2	VX046237.D	16 May 2025 12:58	vial A pH#5.0	JC/MD	Ok
12	Q2048-12	L2-WC-3	VX046238.D	16 May 2025 13:21	vial A pH#5.0	JC/MD	Ok
13	Q2048-16	L2-WC-4	VX046239.D	16 May 2025 13:45	vial A pH#5.0	JC/MD	Ok
14	IBLK	IBLK	VX046240.D	16 May 2025 14:08		JC/MD	Ok
15	IBLK	IBLK	VX046241.D	16 May 2025 14:32		JC/MD	Ok
16	Q2061-01	STORAGE-BLANK-SO	VX046242.D	16 May 2025 14:55	vial A pH<2	JC/MD	Ok
17	Q2061-02	STORAGE-BLANK-WA	VX046243.D	16 May 2025 15:18	vial A pH<2	JC/MD	Ok
18	Q2061-03	STORAGE-BLANK-WA	VX046244.D	16 May 2025 15:42	vial A pH<2	JC/MD	Ok

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX051625

Review By	John Carlone	Review On	5/19/2025 9:52:53 AM
Supervise By	Maresh Dadoda	Supervise On	5/19/2025 2:43:54 PM
SubDirectory	VX051625	HP Acquire Method	HP Processing Method 82X050525W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133949		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133950,VP133951		

19	Q2061-04	STORAGE-BLANK-SAL	VX046245.D	16 May 2025 16:05	vial A pH<2	JC/MD	Ok
20	Q2072-05	FB	VX046246.D	16 May 2025 16:29	vial A pH<2 FB	JC/MD	Ok
21	Q2072-06	TB	VX046247.D	16 May 2025 16:52	vial A pH<2 TB	JC/MD	Ok
22	Q2072-01	MW-2	VX046248.D	16 May 2025 17:15	vial A pH<2	JC/MD	Ok
23	Q2072-02	MW-3	VX046249.D	16 May 2025 17:39	vial A pH<2	JC/MD	Ok
24	Q2072-03	MW-4	VX046250.D	16 May 2025 18:02	vial A pH<2	JC/MD	Ok
25	Q2072-04	MW-6	VX046251.D	16 May 2025 18:26	vial A pH<2	JC/MD	Ok
26	Q2067-01	303-PPR-FRAC	VX046252.D	16 May 2025 18:49	vial A pH<2	JC/MD	Ok,M
27	VSTDCCC050	VSTDCCC050EC	VX046253.D	16 May 2025 19:12		JC/MD	Ok,M

M : Manual Integration



SHIPPING DOCUMENTS



284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q 2072
COC Number 2047128

CLIENT INFORMATION				CLIENT PROJECT INFORMATION				CLIENT BILLING INFORMATION							
REPORT TO BE SENT TO: COMPANY: First Environment ADDRESS: 10 Park Pl, Bldg 1A, Suite 504 CITY: Butler STATE: NJ ZIP: 07045 ATTENTION: Ken Cwikla PHONE: 973-334-0003 FAX:				PROJECT NAME: Fairmount Cemetery PROJECT NO.: FAIRM002 LOCATION: Basking Ridge, NJ PROJECT MANAGER: Ken Cwikla e-mail: kmc@firstenvironment.com PHONE: 973-334-0003 FAX:				BILL TO: PO#: ADDRESS: Same CITY: STATE: ZIP: ATTENTION: PHONE:							
DATA TURNAROUND INFORMATION				DATA DELIVERABLE INFORMATION				ANALYSIS							
FAX (RUSH) DAYS* HARDCOPY (DATA PACKAGE): 10 DAYS* EDD: 10 DAYS* *TO BE APPROVED BY CHEMTECH STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS				☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data) ☒ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP ☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B + Raw Data ☐ Other ☒ EDD FORMAT NOTED				Metals VOC							
ALLIANCE SAMPLE ID				PROJECT SAMPLE IDENTIFICATION				PRESERVATIVES				COMMENTS			
SAMPLE MATRIX				SAMPLE TYPE				SAMPLE COLLECTION				← Specify Preservatives			
COMP				GRAB				DATE				TIME			
1.				2.				3.				4.			
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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



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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2072	FIRS02	Order Date : 5/16/2025 2:45:18 PM	Project Mgr :
Client Name : First Environment, Inc.		Project Name : Somerset Hills Memorial Park	Report Type : Results+QC
Client Contact : Ken Cwieka		Receive DateTime : 5/16/2025 2:45:00 PM	EDD Type : Excel NJ
Invoice Name : First Environment, Inc.		Purchase Order :	Hard Copy Date :
Invoice Contact : Ken Cwieka			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2072-01	MW-2	Water	05/16/2025	11:20					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q2072-02	MW-3	Water	05/16/2025	11:25					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q2072-03	MW-4	Water	05/16/2025	11:30					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q2072-04	MW-6	Water	05/16/2025	11:35					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q2072-05	FB	Water	05/16/2025	12:30					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q2072-06	TB	Water	05/16/2025	00:00					
					VOCMS Group1		8260-Low	10 Bus. Days	

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2072 FIRS02	Order Date : 5/16/2025 2:45:18 PM	Project Mgr :
Client Name : First Environment, Inc.	Project Name : Somerset Hills Memorial Park	Report Type : Results+QC
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Invoice Contact : Ken Cwieka		Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

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Relinquished By : *cl*
Date / Time : 5/16/25 1525

Received By : *mm Tadeau*
Date / Time : 5-16-25 15:25

Storage Area : VOA Refridgerator Room