284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Cover Page

Order ID : P4846

Project ID : Scotia, NY - Annual Testing

Client : EA Engineering Science & Technology

Lab Sample Number	Client Sample Number
P4846-01	FSND-MW-EVAL-03D-20241113
P4846-02	FSND-MW-EVAL-03S-20241113
P4846-03	FSND-FD-3-20241113
P4846-04	FSND-MW-EVAL-04S-20241113
P4846-05	FSND-MW-EVAL-04D-20241113
P4846-06	P4846-05MS
P4846-07	P4846-05MSD
P4846-08	FSND-MW-26-20241113
P4846-09	TB-1-20241113
P4846-10	FSND-RB-3-20241113
P4846-11	FSND-MW-24-20241113
P4846-12	FSND-MW-15-20241113
P4846-13	FSND-MW-EVAL-02D-20241113
P4846-14	FSND-MW-EVAL-02S-20241113
P4846-15	FSND-FD-4-20241113
P4846-16	FSND-MW-EVAL-01D-20241113
P4846-17	FSND-MW-EVAL-01S-20241113

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: 11/26/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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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 is 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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **P4846**

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: **SOHIL JODHANI** **Date:** **11/26/2024**

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LAB CHRONICLE

OrderID:	P4846	**OrderDate:**	11/14/2024 10:45:00 AM
Client:	EA Engineering Science & Technology	**Project:**	Scotia, NY - Annual Testing
Contact:	Jim Hayward	**Location:**	M11,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4846-01	**FSND-MW-EVAL-03D-20241113**	**Water**			**11/13/24**			**11/14/24**
			VOC-TCLVOA-10	8260-Low			11/22/24	
P4846-01DL	**FSND-MW-EVAL-03D-20241113DL**	**Water**			**11/13/24**			**11/14/24**
			VOC-TCLVOA-10	8260-Low			11/25/24	
P4846-02	**FSND-MW-EVAL-03S-20241113**	**Water**			**11/13/24**			**11/14/24**
			VOC-TCLVOA-10	8260-Low			11/22/24	
P4846-03	**FSND-FD-3-20241113**	**Water**			**11/13/24**			**11/14/24**
			VOC-TCLVOA-10	8260-Low			11/22/24	
P4846-04	**FSND-MW-EVAL-04S-20241113**	**Water**			**11/13/24**			**11/14/24**
			VOC-TCLVOA-10	8260-Low			11/22/24	
P4846-05	**FSND-MW-EVAL-04D-20241113**	**Water**			**11/13/24**			**11/14/24**
			VOC-TCLVOA-10	8260-Low			11/25/24	
P4846-08	**FSND-MW-26-20241113**	**Water**			**11/13/24**			**11/14/24**
			VOC-TCLVOA-10	8260-Low			11/22/24	
P4846-09	**TB-1-20241113**	**Water**			**11/13/24**			**11/14/24**
			VOC-TCLVOA-10	8260-Low			11/22/24	
P4846-10	**FSND-RB-3-20241113**	**Water**			**11/13/24**			**11/14/24**
			VOC-TCLVOA-10	8260-Low			11/22/24	
P4846-11	**FSND-MW-24-20241113**	**Water**			**11/13/24**			**11/14/24**

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LAB CHRONICLE

			VOC-TCLVOA-10	8260-Low		11/22/24	
P4846-12	**FSND-MW-15-20241113**	**Water**			**11/13/24**		**11/14/24**
			VOC-TCLVOA-10	8260-Low		11/22/24	
P4846-13	**FSND-MW-EVAL-02D-20241113**	**Water**			**11/13/24**		**11/14/24**
			VOC-TCLVOA-10	8260-Low		11/22/24	
P4846-14	**FSND-MW-EVAL-02S-20241113**	**Water**			**11/13/24**		**11/14/24**
			VOC-TCLVOA-10	8260-Low		11/22/24	
P4846-15	**FSND-FD-4-20241113**	**Water**			**11/13/24**		**11/14/24**
			VOC-TCLVOA-10	8260-Low		11/22/24	
P4846-16	**FSND-MW-EVAL-01D-20241113**	**Water**			**11/13/24**		**11/14/24**
			VOC-TCLVOA-10	8260-Low		11/22/24	
P4846-16DL	**FSND-MW-EVAL-01D-20241113DL**	**Water**			**11/13/24**		**11/14/24**
			VOC-TCLVOA-10	8260-Low		11/25/24	
P4846-17	**FSND-MW-EVAL-01S-20241113**	**Water**			**11/13/24**		**11/14/24**
			VOC-TCLVOA-10	8260-Low		11/22/24	

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Hit Summary Sheet
SW-846

SDG No.: P4846

Client: EA Engineering Science & Technology

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	LOD	RDL	Units
Client ID:	**FSND-MW-EVAL-03D-20241113**									
P4846-01	FSND-MW-EVAL-(	Water	Vinyl Chloride		33.8		0.34	0.75	1.00	ug/L
P4846-01	FSND-MW-EVAL-(	Water	1,1-Dichloroethene		0.28	J	0.26	0.75	1.00	ug/L
P4846-01	FSND-MW-EVAL-(	Water	Acetone		2.10	J	1.40	3.80	5.00	ug/L
P4846-01	FSND-MW-EVAL-(	Water	cis-1,2-Dichloroethene		18.9		0.25	0.75	1.00	ug/L
P4846-01	FSND-MW-EVAL-(	Water	Trichloroethene		150	E	0.32	0.75	1.00	ug/L
			Total Voc :		205					
			Total Concentration:		205					
Client ID:	**FSND-MW-EVAL-03D-20241113DL**									
P4846-01DL	FSND-MW-EVAL-(	Water	Vinyl Chloride		34.2	D	1.70	3.80	5.00	ug/L
P4846-01DL	FSND-MW-EVAL-(	Water	cis-1,2-Dichloroethene		20.1	D	1.30	3.80	5.00	ug/L
P4846-01DL	FSND-MW-EVAL-(	Water	Trichloroethene		150	D	1.60	3.80	5.00	ug/L
			Total Voc :		204					
			Total Concentration:		204					
Client ID:	**FSND-MW-EVAL-03S-20241113**									
P4846-02	FSND-MW-EVAL-(	Water	Acetone		2.00	J	1.40	3.80	5.00	ug/L
P4846-02	FSND-MW-EVAL-(	Water	Methylene Chloride		0.38	J	0.32	0.50	1.00	ug/L
P4846-02	FSND-MW-EVAL-(	Water	Trichloroethene		69.8		0.32	0.75	1.00	ug/L
			Total Voc :		72.2					
			Total Concentration:		72.2					
Client ID:	**FSND-FD-3-20241113**									
P4846-03	FSND-FD-3-20241	Water	Acetone		1.70	J	1.40	3.80	5.00	ug/L
P4846-03	FSND-FD-3-20241	Water	Trichloroethene		70.3		0.32	0.75	1.00	ug/L
			Total Voc :		72.0					
			Total Concentration:		72.0					
Client ID:	**FSND-MW-EVAL-04S-20241113**									
P4846-04	FSND-MW-EVAL-(	Water	Acetone		2.30	J	1.40	3.80	5.00	ug/L
P4846-04	FSND-MW-EVAL-(	Water	Methyl Acetate		1.10		0.60	0.75	1.00	ug/L
P4846-04	FSND-MW-EVAL-(	Water	Trichloroethene		44.9		0.32	0.75	1.00	ug/L
			Total Voc :		48.3					
P4846-04	FSND-MW-EVAL-(	Water	unknown1.599	*	8.00	J	0		0	ug/L
			Total Tics :		8.00					
			Total Concentration:		56.3					
Client ID:	**FSND-MW-EVAL-04D-20241113**									
P4846-05	FSND-MW-EVAL-(	Water	Acetone		2.30	J	1.40	3.80	5.00	ug/L
P4846-05	FSND-MW-EVAL-(	Water	Trichloroethene		57.1	M	0.32	0.75	1.00	ug/L
			Total Voc :		59.4					
P4846-05	FSND-MW-EVAL-(	Water	unknown1.581	*	6.00	J	0		0	ug/L
			Total Tics :		6.00					

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Hit Summary Sheet
SW-846

SDG No.: P4846

Client: EA Engineering Science & Technology

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	LOD	RDL	Units
			Total Concentration:		65.4					
Client ID:	**FSND-MW-26-20241113**									
P4846-08	FSND-MW-26-202	Water	Acetone		2.20	J	1.40	3.80	5.00	ug/L
			Total Voc :		2.20					
			Total Concentration:		2.20					
Client ID:	**TB-1-20241113**									
P4846-09	TB-1-20241113	Water	Chloromethane		0.45	J	0.35	0.50	1.00	ug/L
P4846-09	TB-1-20241113	Water	Acetone		1.60	J	1.40	3.80	5.00	ug/L
P4846-09	TB-1-20241113	Water	Methylene Chloride		0.44	J	0.32	0.50	1.00	ug/L
			Total Voc :		2.49					
			Total Concentration:		2.49					
Client ID:	**FSND-RB-3-20241113**									
P4846-10	FSND-RB-3-20241	Water	Acetone		10.7		1.40	3.80	5.00	ug/L
P4846-10	FSND-RB-3-20241	Water	Methylene Chloride		0.48	J	0.32	0.50	1.00	ug/L
P4846-10	FSND-RB-3-20241	Water	Toluene		0.40	J	0.18	0.50	1.00	ug/L
			Total Voc :		11.6					
P4846-10	FSND-RB-3-20241	Water	unknown1.605	*	9.00	J	0		0	ug/L
P4846-10	FSND-RB-3-20241	Water	Isopropyl Alcohol	*	5.50	J	0		0	ug/L
			Total Tics :		14.5					
			Total Concentration:		26.1					
Client ID:	**FSND-MW-24-20241113**									
P4846-11	FSND-MW-24-202	Water	1,1-Dichloroethene		19.2		0.26	0.75	1.00	ug/L
P4846-11	FSND-MW-24-202	Water	Acetone		1.50	J	1.40	3.80	5.00	ug/L
P4846-11	FSND-MW-24-202	Water	Methylene Chloride		0.32	J	0.32	0.50	1.00	ug/L
P4846-11	FSND-MW-24-202	Water	trans-1,2-Dichloroethene		1.20		0.25	0.50	1.00	ug/L
P4846-11	FSND-MW-24-202	Water	cis-1,2-Dichloroethene		80.8		0.25	0.75	1.00	ug/L
P4846-11	FSND-MW-24-202	Water	Trichloroethene		110		0.32	0.75	1.00	ug/L
			Total Voc :		213					
			Total Concentration:		213					
Client ID:	**FSND-MW-15-20241113**									
P4846-12	FSND-MW-15-202	Water	Acetone		1.60	J	1.40	3.80	5.00	ug/L
P4846-12	FSND-MW-15-202	Water	1,1,1-Trichloroethane		3.30		0.19	0.50	1.00	ug/L
P4846-12	FSND-MW-15-202	Water	Trichloroethene		120		0.32	0.75	1.00	ug/L
P4846-12	FSND-MW-15-202	Water	Tetrachloroethene		0.86	J	0.25	0.50	1.00	ug/L
			Total Voc :		126					
P4846-12	FSND-MW-15-202	Water	unknown1.611	*	9.50	J	0		0	ug/L
			Total Tics :		9.50					
			Total Concentration:		135					
Client ID:	**FSND-MW-EVAL-02D-20241113**									
P4846-13	FSND-MW-EVAL-(	Water	Chloromethane		0.39	J	0.35	0.50	1.00	ug/L

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Hit Summary Sheet
SW-846

SDG No.: P4846

Client: EA Engineering Science & Technology

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	LOD	RDL	Units
P4846-13	FSND-MW-EVAL-(	Water	Acetone		1.60	J	1.40	3.80	5.00	ug/L
P4846-13	FSND-MW-EVAL-(	Water	Trichloroethene		1.50		0.32	0.75	1.00	ug/L
			Total Voc :		3.49					
			Total Concentration:		3.49					
Client ID:	**FSND-MW-EVAL-02S-20241113**									
P4846-14	FSND-MW-EVAL-(	Water	Chloromethane		0.38	J	0.35	0.50	1.00	ug/L
P4846-14	FSND-MW-EVAL-(	Water	Acetone		1.60	J	1.40	3.80	5.00	ug/L
P4846-14	FSND-MW-EVAL-(	Water	cis-1,2-Dichloroethene		1.90		0.25	0.75	1.00	ug/L
P4846-14	FSND-MW-EVAL-(	Water	1,1,1-Trichloroethane		4.60		0.19	0.50	1.00	ug/L
P4846-14	FSND-MW-EVAL-(	Water	Trichloroethene		80.5		0.32	0.75	1.00	ug/L
P4846-14	FSND-MW-EVAL-(	Water	Tetrachloroethene		22.0		0.25	0.50	1.00	ug/L
			Total Voc :		111					
			Total Concentration:		111					
Client ID:	**FSND-FD-4-20241113**									
P4846-15	FSND-FD-4-20241	Water	Chloromethane		0.37	J	0.35	0.50	1.00	ug/L
P4846-15	FSND-FD-4-20241	Water	Acetone		1.90	J	1.40	3.80	5.00	ug/L
P4846-15	FSND-FD-4-20241	Water	Methylene Chloride		0.34	J	0.32	0.50	1.00	ug/L
P4846-15	FSND-FD-4-20241	Water	cis-1,2-Dichloroethene		2.10		0.25	0.75	1.00	ug/L
P4846-15	FSND-FD-4-20241	Water	1,1,1-Trichloroethane		5.20		0.19	0.50	1.00	ug/L
P4846-15	FSND-FD-4-20241	Water	Trichloroethene		85.5		0.32	0.75	1.00	ug/L
P4846-15	FSND-FD-4-20241	Water	Tetrachloroethene		22.4		0.25	0.50	1.00	ug/L
			Total Voc :		118					
P4846-15	FSND-FD-4-20241	Water	unknown1.629	*	13.0	J	0		0	ug/L
			Total Tics :		13.0					
			Total Concentration:		131					
Client ID:	**FSND-MW-EVAL-01D-20241113**									
P4846-16	FSND-MW-EVAL-(	Water	1,1-Dichloroethene		0.68	J	0.26	0.75	1.00	ug/L
P4846-16	FSND-MW-EVAL-(	Water	Acetone		1.70	J	1.40	3.80	5.00	ug/L
P4846-16	FSND-MW-EVAL-(	Water	cis-1,2-Dichloroethene		9.10		0.25	0.75	1.00	ug/L
P4846-16	FSND-MW-EVAL-(	Water	Trichloroethene		340	E	0.32	0.75	1.00	ug/L
P4846-16	FSND-MW-EVAL-(	Water	Toluene		0.51	J	0.18	0.50	1.00	ug/L
			Total Voc :		352					
			Total Concentration:		352					
Client ID:	**FSND-MW-EVAL-01D-20241113DL**									
P4846-16DL	FSND-MW-EVAL-(	Water	cis-1,2-Dichloroethene		8.40	JD	2.50	7.50	10.0	ug/L
P4846-16DL	FSND-MW-EVAL-(	Water	Trichloroethene		310	D	3.20	7.50	10.0	ug/L
			Total Voc :		318					
			Total Concentration:		318					
Client ID:	**FSND-MW-EVAL-01S-20241113**									

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Hit Summary Sheet
SW-846

SDG No.: P4846

Client: EA Engineering Science & Technology

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
P4846-17	FSND-MW-EVAL-(	Water	Acetone	1.50	J	1.40	3.80	5.00	ug/L
P4846-17	FSND-MW-EVAL-(	Water	Trichloroethene	89.8		0.32	0.75	1.00	ug/L
			Total Voc :	91.3					
			Total Concentration:	91.3					



QC SUMMARY

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Surrogate Summary

SDG No.: P4846

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P4846-01	FSND-MW-EVAL-03D-20241113	1,2-Dichloroethane-d4	50	51.4	103	81	118
		Dibromofluoromethane	50	46.5	93	80	119
		Toluene-d8	50	49.3	99	89	112
		4-Bromofluorobenzene	50	46.9	94	85	114
P4846-01DL	FSND-MW-EVAL-03D-20241113DL	1,2-Dichloroethane-d4	50	50.3	101	81	118
		Dibromofluoromethane	50	48.0	96	80	119
		Toluene-d8	50	49.6	99	89	112
		4-Bromofluorobenzene	50	48.1	96	85	114
P4846-02	FSND-MW-EVAL-03S-20241113	1,2-Dichloroethane-d4	50	51.8	104	81	118
		Dibromofluoromethane	50	45.9	92	80	119
		Toluene-d8	50	49.1	98	89	112
		4-Bromofluorobenzene	50	48.0	96	85	114
P4846-03	FSND-FD-3-20241113	1,2-Dichloroethane-d4	50	52.2	104	81	118
		Dibromofluoromethane	50	46.8	94	80	119
		Toluene-d8	50	50.3	101	89	112
		4-Bromofluorobenzene	50	48.4	97	85	114
P4846-04	FSND-MW-EVAL-04S-20241113	1,2-Dichloroethane-d4	50	51.7	103	81	118
		Dibromofluoromethane	50	48.0	96	80	119
		Toluene-d8	50	50.4	101	89	112
		4-Bromofluorobenzene	50	49.9	100	85	114
P4846-05	FSND-MW-EVAL-04D-20241113	1,2-Dichloroethane-d4	50	49.6	99	81	118
		Dibromofluoromethane	50	46.0	92	80	119
		Toluene-d8	50	49.5	99	89	112
		4-Bromofluorobenzene	50	46.6	93	85	114
P4846-06MS	FSND-MW-EVAL-04D-20241113MS	1,2-Dichloroethane-d4	50	50.8	102	81	118
		Dibromofluoromethane	50	50.7	101	80	119
		Toluene-d8	50	48.7	97	89	112
		4-Bromofluorobenzene	50	49.4	99	85	114
P4846-07MSD	FSND-MW-EVAL-04D-20241113MSD	1,2-Dichloroethane-d4	50	55.7	111	81	118
		Dibromofluoromethane	50	53.8	108	80	119
		Toluene-d8	50	54.0	108	89	112
		4-Bromofluorobenzene	50	54.9	110	85	114
P4846-08	FSND-MW-26-20241113	1,2-Dichloroethane-d4	50	51.1	102	81	118
		Dibromofluoromethane	50	47.4	95	80	119
		Toluene-d8	50	49.8	100	89	112
		4-Bromofluorobenzene	50	46.1	92	85	114
P4846-09	TB-1-20241113	1,2-Dichloroethane-d4	50	51.4	103	81	118
		Dibromofluoromethane	50	45.8	92	80	119
		Toluene-d8	50	50.5	101	89	112
		4-Bromofluorobenzene	50	48.4	97	85	114
P4846-10	FSND-RB-3-20241113	1,2-Dichloroethane-d4	50	52.3	105	81	118
		Dibromofluoromethane	50	46.5	93	80	119
		Toluene-d8	50	50.1	100	89	112
		4-Bromofluorobenzene	50	47.1	94	85	114
P4846-11	FSND-MW-24-20241113	1,2-Dichloroethane-d4	50	51.8	104	81	118
		Dibromofluoromethane	50	47.0	94	80	119
		Toluene-d8	50	49.8	100	89	112
		4-Bromofluorobenzene	50	49.0	98	85	114
P4846-12	FSND-MW-15-20241113	1,2-Dichloroethane-d4	50	52.0	104	81	118
		Dibromofluoromethane	50	46.5	93	80	119

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Surrogate Summary

SDG No.: P4846

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P4846-12	FSND-MW-15-20241113	Toluene-d8	50	49.4	99	89	112
		4-Bromofluorobenzene	50	46.6	93	85	114
P4846-13	FSND-MW-EVAL-02D-20241113	1,2-Dichloroethane-d4	50	52.4	105	81	118
		Dibromofluoromethane	50	45.6	91	80	119
		Toluene-d8	50	49.4	99	89	112
		4-Bromofluorobenzene	50	45.8	92	85	114
P4846-14	FSND-MW-EVAL-02S-20241113	1,2-Dichloroethane-d4	50	51.5	103	81	118
		Dibromofluoromethane	50	46.4	93	80	119
		Toluene-d8	50	48.5	97	89	112
		4-Bromofluorobenzene	50	47.6	95	85	114
P4846-15	FSND-FD-4-20241113	1,2-Dichloroethane-d4	50	51.9	104	81	118
		Dibromofluoromethane	50	45.8	92	80	119
		Toluene-d8	50	50.4	101	89	112
		4-Bromofluorobenzene	50	47.2	94	85	114
P4846-16	FSND-MW-EVAL-01D-20241113	1,2-Dichloroethane-d4	50	52.4	105	81	118
		Dibromofluoromethane	50	45.8	92	80	119
		Toluene-d8	50	49.6	99	89	112
		4-Bromofluorobenzene	50	49.2	98	85	114
P4846-16DL	FSND-MW-EVAL-01D-20241113DL	1,2-Dichloroethane-d4	50	52.8	106	81	118
		Dibromofluoromethane	50	46.8	94	80	119
		Toluene-d8	50	48.6	97	89	112
		4-Bromofluorobenzene	50	48.8	97	85	114
P4846-17	FSND-MW-EVAL-01S-20241113	1,2-Dichloroethane-d4	50	52.3	105	81	118
		Dibromofluoromethane	50	46.1	92	80	119
		Toluene-d8	50	50.1	100	89	112
		4-Bromofluorobenzene	50	48.6	97	85	114
VX1122WBL01	VX1122WBL01	1,2-Dichloroethane-d4	50	50.7	101	81	118
		Dibromofluoromethane	50	46.6	93	80	119
		Toluene-d8	50	48.7	97	89	112
		4-Bromofluorobenzene	50	47.9	96	85	114
VX1122WBS01	VX1122WBS01	1,2-Dichloroethane-d4	50	54.0	108	81	118
		Dibromofluoromethane	50	50.5	101	80	119
		Toluene-d8	50	50.9	102	89	112
		4-Bromofluorobenzene	50	50.4	101	85	114
VX1125WBL01	VX1125WBL01	1,2-Dichloroethane-d4	50	52.0	104	81	118
		Dibromofluoromethane	50	47.2	94	80	119
		Toluene-d8	50	51.6	103	89	112
		4-Bromofluorobenzene	50	50.7	101	85	114
VX1125WBS01	VX1125WBS01	1,2-Dichloroethane-d4	50	50.6	101	81	118
		Dibromofluoromethane	50	49.4	99	80	119
		Toluene-d8	50	48.8	98	89	112
		4-Bromofluorobenzene	50	47.3	95	85	114

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4846

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : P4846-06MS		**Client Sample ID : FSND-MW-EVAL-04D-20241113MS**						**Datafile :** VX043996.D			
Dichlorodifluoromethane	50	0	46.9	ug/L	94				32	152	
Chloromethane	50	0	48.2	ug/L	96				50	139	
Vinyl chloride	50	0	48.8	ug/L	98				58	137	
Bromomethane	50	0	50.5	ug/L	101				53	141	
Chloroethane	50	0	47.3	ug/L	95				60	138	
Trichlorofluoromethane	50	0	53.0	ug/L	106				65	141	
1,1,2-Trichlorotrifluoroethane	50	0	47.8	ug/L	96				70	136	
1,1-Dichloroethene	50	0	48.3	ug/L	97				71	131	
Acetone	250	2.30	190	ug/L	75				39	160	
Carbon disulfide	50	0	42.9	ug/L	86				64	133	
Methyl tert-butyl Ether	50	0	50.6	ug/L	101				71	124	
Methyl Acetate	50	0	47.0	ug/L	94				56	136	
Methylene Chloride	50	0	48.6	ug/L	97				74	124	
trans-1,2-Dichloroethene	50	0	50.4	ug/L	101				75	124	
1,1-Dichloroethane	50	0	51.3	ug/L	103				77	125	
Cyclohexane	50	0	47.6	ug/L	95				71	130	
2-Butanone	250	0	220	ug/L	88				56	143	
Carbon Tetrachloride	50	0	48.7	ug/L	97				72	136	
cis-1,2-Dichloroethene	50	0	51.1	ug/L	102				78	123	
Bromochloromethane	50	0	45.5	ug/L	91				78	123	
Chloroform	50	0	52.2	ug/L	104				79	124	
1,1,1-Trichloroethane	50	0	52.1	ug/L	104				74	131	
Methylcyclohexane	50	0	46.0	ug/L	92				72	132	
Benzene	50	0	49.4	ug/L	99				79	120	
1,2-Dichloroethane	50	0	49.2	ug/L	98				73	128	
Trichloroethene	50	57.1	100	ug/L	86				79	123	
1,2-Dichloropropane	50	0	50.3	ug/L	101				78	122	
Bromodichloromethane	50	0	50.1	ug/L	100				79	125	
4-Methyl-2-Pentanone	250	0	240	ug/L	96				67	130	
Toluene	50	0	50.3	ug/L	101				80	121	
t-1,3-Dichloropropene	50	0	48.0	ug/L	96				73	127	
cis-1,3-Dichloropropene	50	0	48.4	ug/L	97				75	124	
1,1,2-Trichloroethane	50	0	49.8	ug/L	100				80	119	
2-Hexanone	250	0	240	ug/L	96				57	139	
Dibromochloromethane	50	0	49.7	ug/L	99				74	126	
1,2-Dibromoethane	50	0	50.1	ug/L	100				77	121	
Tetrachloroethene	50	0	47.0	ug/L	94				74	129	
Chlorobenzene	50	0	48.0	ug/L	96				82	118	
Ethyl Benzene	50	0	49.3	ug/L	99				79	121	
m/p-Xylenes	100	0	98.9	ug/L	99				80	121	
o-Xylene	50	0	49.7	ug/L	99				78	122	
Styrene	50	0	50.9	ug/L	102				78	123	
Bromoform	50	0	44.1	ug/L	88				66	130	
Isopropylbenzene	50	0	49.7	ug/L	99				72	131	
1,1,2,2-Tetrachloroethane	50	0	50.8	ug/L	102				71	121	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4846

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
1,3-Dichlorobenzene	50	0	49.2	ug/L	98				80	119	
1,4-Dichlorobenzene	50	0	47.9	ug/L	96				79	118	
1,2-Dichlorobenzene	50	0	49.3	ug/L	99				80	119	
1,2-Dibromo-3-Chloropropane	50	0	48.4	ug/L	97				62	128	
1,2,4-Trichlorobenzene	50	0	47.6	ug/L	95				69	130	
1,2,3-Trichlorobenzene	50	0	47.9	ug/L	96				69	129	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4846

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : P4846-07MSD		**Client Sample ID : FSND-MW-EVAL-04D-20241113MSD**						**Datafile :**	VX043997.D		
Dichlorodifluoromethane	50	0	45.4	ug/L	91		3		32	152	20
Chloromethane	50	0	49.5	ug/L	99		3		50	139	20
Vinyl chloride	50	0	48.7	ug/L	97		0		58	137	20
Bromomethane	50	0	56.3	ug/L	113		11		53	141	20
Chloroethane	50	0	47.0	ug/L	94		1		60	138	20
Trichlorofluoromethane	50	0	53.0	ug/L	106		0		65	141	20
1,1,2-Trichlorotrifluoroethane	50	0	48.8	ug/L	98		2		70	136	20
1,1-Dichloroethene	50	0	50.2	ug/L	100		4		71	131	20
Acetone	250	2.30	200	ug/L	79		5		39	160	20
Carbon disulfide	50	0	46.9	ug/L	94		9		64	133	20
Methyl tert-butyl Ether	50	0	54.2	ug/L	108		7		71	124	20
Methyl Acetate	50	0	49.3	ug/L	99		5		56	136	20
Methylene Chloride	50	0	52.3	ug/L	105		7		74	124	20
trans-1,2-Dichloroethene	50	0	52.6	ug/L	105		4		75	124	20
1,1-Dichloroethane	50	0	53.8	ug/L	108		5		77	125	20
Cyclohexane	50	0	48.3	ug/L	97		1		71	130	20
2-Butanone	250	0	240	ug/L	96		9		56	143	20
Carbon Tetrachloride	50	0	48.9	ug/L	98		0		72	136	20
cis-1,2-Dichloroethene	50	0	51.9	ug/L	104		2		78	123	20
Bromochloromethane	50	0	51.3	ug/L	103		12		78	123	20
Chloroform	50	0	52.9	ug/L	106		1		79	124	20
1,1,1-Trichloroethane	50	0	52.3	ug/L	105		0		74	131	20
Methylcyclohexane	50	0	44.9	ug/L	90		2		72	132	20
Benzene	50	0	50.6	ug/L	101		2		79	120	20
1,2-Dichloroethane	50	0	51.3	ug/L	103		4		73	128	20
Trichloroethene	50	57.1	93.1	ug/L	72	*	18		79	123	20
1,2-Dichloropropane	50	0	52.1	ug/L	104		4		78	122	20
Bromodichloromethane	50	0	52.7	ug/L	105		5		79	125	20
4-Methyl-2-Pentanone	250	0	260	ug/L	104		8		67	130	20
Toluene	50	0	53.5	ug/L	107		6		80	121	20
t-1,3-Dichloropropene	50	0	53.4	ug/L	107		11		73	127	20
cis-1,3-Dichloropropene	50	0	52.3	ug/L	105		8		75	124	20
1,1,2-Trichloroethane	50	0	54.3	ug/L	109		9		80	119	20
2-Hexanone	250	0	260	ug/L	104		8		57	139	20
Dibromochloromethane	50	0	55.1	ug/L	110		10		74	126	20
1,2-Dibromoethane	50	0	53.6	ug/L	107		7		77	121	20
Tetrachloroethene	50	0	46.9	ug/L	94		0		74	129	20
Chlorobenzene	50	0	48.9	ug/L	98		2		82	118	20
Ethyl Benzene	50	0	50.2	ug/L	100		2		79	121	20
m/p-Xylenes	100	0	100	ug/L	100		1		80	121	20
o-Xylene	50	0	50.4	ug/L	101		1		78	122	20
Styrene	50	0	51.8	ug/L	104		2		78	123	20
Bromoform	50	0	46.7	ug/L	93		6		66	130	20
Isopropylbenzene	50	0	49.7	ug/L	99		0		72	131	20
1,1,2,2-Tetrachloroethane	50	0	51.3	ug/L	103		1		71	121	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4846

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
1,3-Dichlorobenzene	50	0	49.1	ug/L	98		0		80	119	20
1,4-Dichlorobenzene	50	0	48.9	ug/L	98		2		79	118	20
1,2-Dichlorobenzene	50	0	50.1	ug/L	100		2		80	119	20
1,2-Dibromo-3-Chloropropane	50	0	50.1	ug/L	100		3		62	128	20
1,2,4-Trichlorobenzene	50	0	48.3	ug/L	97		1		69	130	20
1,2,3-Trichlorobenzene	50	0	50.7	ug/L	101		6		69	129	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4846

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low **Datafile :** VX043953.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1122WBS01	Dichlorodifluoromethane	20	20.0	ug/L	100			32	152	
	Chloromethane	20	20.8	ug/L	104			50	139	
	Vinyl chloride	20	20.8	ug/L	104			58	137	
	Bromomethane	20	21.5	ug/L	108			53	141	
	Chloroethane	20	23.4	ug/L	117			60	138	
	Trichlorofluoromethane	20	19.5	ug/L	98			65	141	
	1,1,2-Trichlorotrifluoroethane	20	20.4	ug/L	102			70	136	
	1,1-Dichloroethene	20	20.4	ug/L	102			71	131	
	Acetone	100	99.9	ug/L	100			39	160	
	Carbon disulfide	20	17.0	ug/L	85			64	133	
	Methyl tert-butyl Ether	20	21.5	ug/L	108			71	124	
	Methyl Acetate	20	20.5	ug/L	103			56	136	
	Methylene Chloride	20	20.7	ug/L	104			74	124	
	trans-1,2-Dichloroethene	20	20.9	ug/L	104			75	124	
	1,1-Dichloroethane	20	21.2	ug/L	106			77	125	
	Cyclohexane	20	19.9	ug/L	100			71	130	
	2-Butanone	100	100	ug/L	100			56	143	
	Carbon Tetrachloride	20	18.9	ug/L	95			72	136	
	cis-1,2-Dichloroethene	20	20.8	ug/L	104			78	123	
	Bromochloromethane	20	19.8	ug/L	99			78	123	
	Chloroform	20	21.6	ug/L	108			79	124	
	1,1,1-Trichloroethane	20	21.4	ug/L	107			74	131	
	Methylcyclohexane	20	18.6	ug/L	93			72	132	
	Benzene	20	20.3	ug/L	102			79	120	
	1,2-Dichloroethane	20	20.7	ug/L	104			73	128	
	Trichloroethene	20	17.0	ug/L	85			79	123	
	1,2-Dichloropropane	20	21.0	ug/L	105			78	122	
	Bromodichloromethane	20	19.9	ug/L	100			79	125	
	4-Methyl-2-Pentanone	100	100	ug/L	100			67	130	
	Toluene	20	20.4	ug/L	102			80	121	
	t-1,3-Dichloropropene	20	20.0	ug/L	100			73	127	
	cis-1,3-Dichloropropene	20	19.6	ug/L	98			75	124	
	1,1,2-Trichloroethane	20	20.1	ug/L	101			80	119	
	2-Hexanone	100	100	ug/L	100			57	139	
	Dibromochloromethane	20	18.7	ug/L	94			74	126	
	1,2-Dibromoethane	20	20.5	ug/L	103			77	121	
	Tetrachloroethene	20	20.3	ug/L	102			74	129	
	Chlorobenzene	20	19.9	ug/L	100			82	118	
	Ethyl Benzene	20	20.4	ug/L	102			79	121	
	m/p-Xylenes	40	40.3	ug/L	101			80	121	
	o-Xylene	20	20.7	ug/L	104			78	122	
	Styrene	20	20.6	ug/L	103			78	123	
	Bromoform	20	16.9	ug/L	85			66	130	
	Isopropylbenzene	20	21.1	ug/L	106			72	131	
	1,1,2,2-Tetrachloroethane	20	21.6	ug/L	108			71	121	
	1,3-Dichlorobenzene	20	20.6	ug/L	103			80	119	
	1,4-Dichlorobenzene	20	20.0	ug/L	100			79	118	
	1,2-Dichlorobenzene	20	20.7	ug/L	104			80	119	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4846

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low **Datafile :** VX043953.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1122WBS01	1,2-Dibromo-3-Chloropropane	20	17.4	ug/L	87			62	128	
	1,2,4-Trichlorobenzene	20	19.5	ug/L	98			69	130	
	1,2,3-Trichlorobenzene	20	20.2	ug/L	101			69	129	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4846

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low **Datafile :** VX043980.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1125WBS01	Dichlorodifluoromethane	20	17.0	ug/L	85			32	152	
	Chloromethane	20	18.3	ug/L	92			50	139	
	Vinyl chloride	20	17.5	ug/L	88			58	137	
	Bromomethane	20	20.6	ug/L	103			53	141	
	Chloroethane	20	19.4	ug/L	97			60	138	
	Trichlorofluoromethane	20	19.0	ug/L	95			65	141	
	1,1,2-Trichlorotrifluoroethane	20	17.5	ug/L	88			70	136	
	1,1-Dichloroethene	20	17.2	ug/L	86			71	131	
	Acetone	100	87.8	ug/L	88			39	160	
	Carbon disulfide	20	15.0	ug/L	75			64	133	
	Methyl tert-butyl Ether	20	19.0	ug/L	95			71	124	
	Methyl Acetate	20	18.3	ug/L	92			56	136	
	Methylene Chloride	20	17.8	ug/L	89			74	124	
	trans-1,2-Dichloroethene	20	17.9	ug/L	90			75	124	
	1,1-Dichloroethane	20	19.3	ug/L	97			77	125	
	Cyclohexane	20	17.9	ug/L	90			71	130	
	2-Butanone	100	91.3	ug/L	91			56	143	
	Carbon Tetrachloride	20	17.8	ug/L	89			72	136	
	cis-1,2-Dichloroethene	20	18.7	ug/L	94			78	123	
	Bromochloromethane	20	21.3	ug/L	106			78	123	
	Chloroform	20	19.5	ug/L	98			79	124	
	1,1,1-Trichloroethane	20	19.3	ug/L	97			74	131	
	Methylcyclohexane	20	17.0	ug/L	85			72	132	
	Benzene	20	18.8	ug/L	94			79	120	
	1,2-Dichloroethane	20	19.1	ug/L	96			73	128	
	Trichloroethene	20	16.1	ug/L	81			79	123	
	1,2-Dichloropropane	20	19.8	ug/L	99			78	122	
	Bromodichloromethane	20	18.8	ug/L	94			79	125	
	4-Methyl-2-Pentanone	100	92.4	ug/L	92			67	130	
	Toluene	20	19.1	ug/L	96			80	121	
	t-1,3-Dichloropropene	20	18.2	ug/L	91			73	127	
	cis-1,3-Dichloropropene	20	18.6	ug/L	93			75	124	
	1,1,2-Trichloroethane	20	18.7	ug/L	94			80	119	
	2-Hexanone	100	90.6	ug/L	91			57	139	
	Dibromochloromethane	20	17.9	ug/L	90			74	126	
	1,2-Dibromoethane	20	18.5	ug/L	93			77	121	
	Tetrachloroethene	20	18.1	ug/L	91			74	129	
	Chlorobenzene	20	18.6	ug/L	93			82	118	
	Ethyl Benzene	20	18.6	ug/L	93			79	121	
	m/p-Xylenes	40	37.3	ug/L	93			80	121	
	o-Xylene	20	18.7	ug/L	94			78	122	
	Styrene	20	18.6	ug/L	93			78	123	
	Bromoform	20	16.0	ug/L	80			66	130	
	Isopropylbenzene	20	19.0	ug/L	95			72	131	
	1,1,2,2-Tetrachloroethane	20	19.1	ug/L	96			71	121	
	1,3-Dichlorobenzene	20	18.6	ug/L	93			80	119	
	1,4-Dichlorobenzene	20	18.5	ug/L	93			79	118	
	1,2-Dichlorobenzene	20	18.9	ug/L	95			80	119	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4846

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low **Datafile :** VX043980.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1125WBS01	1,2-Dibromo-3-Chloropropane	20	16.5	ug/L	83			62	128	
	1,2,4-Trichlorobenzene	20	17.2	ug/L	86			69	130	
	1,2,3-Trichlorobenzene	20	17.9	ug/L	90			69	129	

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX1122WBL01

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4846 SAS No.: P4846 SDG NO.: P4846

Lab File ID: VX043952.D Lab Sample ID: VX1122WBL01

Date Analyzed: 11/22/2024 Time Analyzed: 12:13

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
VX1122WBS01	VX1122WBS01	VX043953.D	11/22/2024
TB-1-20241113	P4846-09	VX043956.D	11/22/2024
FSND-RB-3-20241113	P4846-10	VX043957.D	11/22/2024
FSND-MW-EVAL-03D-20241113	P4846-01	VX043958.D	11/22/2024
FSND-MW-EVAL-03S-20241113	P4846-02	VX043959.D	11/22/2024
FSND-MW-EVAL-04S-20241113	P4846-04	VX043961.D	11/22/2024
FSND-MW-26-20241113	P4846-08	VX043962.D	11/22/2024
FSND-MW-24-20241113	P4846-11	VX043963.D	11/22/2024
FSND-MW-15-20241113	P4846-12	VX043964.D	11/22/2024
FSND-MW-EVAL-02D-20241113	P4846-13	VX043965.D	11/22/2024
FSND-MW-EVAL-02S-20241113	P4846-14	VX043966.D	11/22/2024
FSND-FD-4-20241113	P4846-15	VX043967.D	11/22/2024
FSND-MW-EVAL-01D-20241113	P4846-16	VX043968.D	11/22/2024
FSND-MW-EVAL-01S-20241113	P4846-17	VX043969.D	11/22/2024
FSND-FD-3-20241113	P4846-03	VX043970.D	11/22/2024

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX1125WBL01

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4846 SAS No.: P4846 SDG NO.: P4846

Lab File ID: VX043979.D Lab Sample ID: VX1125WBL01

Date Analyzed: 11/25/2024 Time Analyzed: 12:18

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
VX1125WBS01	VX1125WBS01	VX043980.D	11/25/2024
FSND-MW-EVAL-03D-20241113DL	P4846-01DL	VX043982.D	11/25/2024
FSND-MW-EVAL-01D-20241113DL	P4846-16DL	VX043983.D	11/25/2024
FSND-MW-EVAL-04D-20241113	P4846-05	VX043995.D	11/25/2024
FSND-MW-EVAL-04D-20241113MS	P4846-06MS	VX043996.D	11/25/2024
FSND-MW-EVAL-04D-20241113MSD	P4846-07MSD	VX043997.D	11/25/2024

COMMENTS:

Raw Data: **VX043924.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4846 SAS No.: P4846 SDG NO.: P4846

Lab File ID: VX043924.D BFB Injection Date: 11/21/2024

Instrument ID: MSVOA_X BFB Injection Time: 08:51

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	22.4
75	30.0 - 60.0% of mass 95	54.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	70.5
175	5.0 - 9.0% of mass 174	4.8 (6.8) 1
176	95.0 - 101.0% of mass 174	67.9 (96.4) 1
177	5.0 - 9.0% of mass 176	4.9 (7.3) 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
VSTDICC001	VSTDICC001	VX043925.D	11/21/2024	09:47
VSTDICC005	VSTDICC005	VX043926.D	11/21/2024	10:14
VSTDICC020	VSTDICC020	VX043927.D	11/21/2024	10:37
VSTDICCC050	VSTDICCC050	VX043928.D	11/21/2024	11:17
VSTDICC100	VSTDICC100	VX043929.D	11/21/2024	11:40
VSTDICC150	VSTDICC150	VX043930.D	11/21/2024	12:03

Raw Data: **VX043949.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4846 SAS No.: P4846 SDG NO.: P4846

Lab File ID: VX043949.D BFB Injection Date: 11/22/2024

Instrument ID: MSVOA_X BFB Injection Time: 10:54

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	22.4
75	30.0 - 60.0% of mass 95	56.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	72.1
175	5.0 - 9.0% of mass 174	5.4 (7.5) 1
176	95.0 - 101.0% of mass 174	71 (98.4) 1
177	5.0 - 9.0% of mass 176	4.8 (6.8) 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	VX043950.D	11/22/2024	11:22
VX1122WBL01	VX1122WBL01	VX043952.D	11/22/2024	12:13
VX1122WBS01	VX1122WBS01	VX043953.D	11/22/2024	12:36
TB-1-20241113	P4846-09	VX043956.D	11/22/2024	13:48
FSND-RB-3-20241113	P4846-10	VX043957.D	11/22/2024	14:11
FSND-MW-EVAL-03D-20241113	P4846-01	VX043958.D	11/22/2024	14:34
FSND-MW-EVAL-03S-20241113	P4846-02	VX043959.D	11/22/2024	14:57
FSND-MW-EVAL-04S-20241113	P4846-04	VX043961.D	11/22/2024	15:43
FSND-MW-26-20241113	P4846-08	VX043962.D	11/22/2024	16:06
FSND-MW-24-20241113	P4846-11	VX043963.D	11/22/2024	16:29
FSND-MW-15-20241113	P4846-12	VX043964.D	11/22/2024	16:52
FSND-MW-EVAL-02D-20241113	P4846-13	VX043965.D	11/22/2024	17:16
FSND-MW-EVAL-02S-20241113	P4846-14	VX043966.D	11/22/2024	17:39
FSND-FD-4-20241113	P4846-15	VX043967.D	11/22/2024	18:01
FSND-MW-EVAL-01D-20241113	P4846-16	VX043968.D	11/22/2024	18:25
FSND-MW-EVAL-01S-20241113	P4846-17	VX043969.D	11/22/2024	18:47
FSND-FD-3-20241113	P4846-03	VX043970.D	11/22/2024	19:10
VSTDCCC050EC	VSTDCCC050	VX043975.D	11/22/2024	21:05

Raw Data: **VX043976.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4846 SAS No.: P4846 SDG NO.: P4846

Lab File ID: VX043976.D BFB Injection Date: 11/25/2024

Instrument ID: MSVOA_X BFB Injection Time: 10:59

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	22.3
75	30.0 - 60.0% of mass 95	58.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.5
173	Less than 2.0% of mass 174	0.6 (0.8) 1
174	50.0 - 100.0% of mass 95	73.6
175	5.0 - 9.0% of mass 174	5.5 (7.5) 1
176	95.0 - 101.0% of mass 174	70.4 (95.6) 1
177	5.0 - 9.0% of mass 176	4.8 (6.9) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX043977.D	11/25/2024	11:27
VX1125WBL01	VX1125WBL01	VX043979.D	11/25/2024	12:18
VX1125WBS01	VX1125WBS01	VX043980.D	11/25/2024	12:41
FSND-MW-EVAL-03D-20241113DL	P4846-01DL	VX043982.D	11/25/2024	13:31
FSND-MW-EVAL-01D-20241113DL	P4846-16DL	VX043983.D	11/25/2024	13:53
FSND-MW-EVAL-04D-20241113	P4846-05	VX043995.D	11/25/2024	18:31
FSND-MW-EVAL-04D-20241113MS	P4846-06MS	VX043996.D	11/25/2024	18:54
FSND-MW-EVAL-04D-20241113MSD	P4846-07MSD	VX043997.D	11/25/2024	19:17
VSTDCCC050EC	VSTDCCC050	VX044002.D	11/25/2024	21:12

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4846 SAS No.: P4846 SDG NO.: P4846

Lab File ID: VX043950.D Date Analyzed: 11/22/2024

Instrument ID: MSVOA_X Time Analyzed: 11:22

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	119844	5.54	210147	6.75	179277	10.06
UPPER LIMIT	239688	6.038	420294	7.251	358554	10.555
LOWER LIMIT	59922	5.038	105074	6.251	89638.5	9.555
EPA SAMPLE NO.						
FSND-MW-EVAL-03D-20241113	109195	5.55	212971	6.76	181858	10.06
FSND-MW-EVAL-03S-20241113	111846	5.54	219449	6.76	192930	10.06
FSND-FD-3-20241113	107821	5.55	209572	6.76	187307	10.06
FSND-MW-EVAL-04S-20241113	112636	5.54	215010	6.76	191411	10.06
FSND-MW-26-20241113	110127	5.55	211509	6.76	181808	10.05
TB-1-20241113	108190	5.55	209028	6.76	182100	10.06
FSND-RB-3-20241113	111620	5.54	218890	6.76	191816	10.05
FSND-MW-24-20241113	108986	5.54	210122	6.76	184751	10.05
FSND-MW-15-20241113	110220	5.54	212874	6.76	183450	10.05
FSND-MW-EVAL-02D-20241113	106324	5.55	206768	6.76	176467	10.06
FSND-MW-EVAL-02S-20241113	121293	5.55	231454	6.76	196600	10.05
FSND-FD-4-20241113	113237	5.54	219483	6.76	191952	10.06
FSND-MW-EVAL-01D-20241113	108343	5.54	213438	6.76	185232	10.05
FSND-MW-EVAL-01S-20241113	106735	5.54	209074	6.76	185900	10.06
VX1122WBL01	114313	5.54	223688	6.76	192949	10.06
VX1122WBS01	122957	5.54	229417	6.76	195535	10.06

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4846 SAS No.: P4846 SDG NO.: P4846

Lab File ID: VX043950.D Date Analyzed: 11/22/2024

Instrument ID: MSVOA_X Time Analyzed: 11:22

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	119844	5.54	210147	6.75	179277	10.06
UPPER LIMIT	239688	6.038	420294	7.251	358554	10.555
LOWER LIMIT	59922	5.038	105074	6.251	89638.5	9.555
EPA SAMPLE NO.						

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.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4846 SAS No.: P4846 SDG NO.: P4846

Lab File ID: VX043950.D Date Analyzed: 11/22/2024

Instrument ID: MSVOA_X Time Analyzed: 11:22

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	88069	12.018				
UPPER LIMIT	176138	12.518				
LOWER LIMIT	44034.5	11.518				
EPA SAMPLE NO.						
FSND-MW-EVAL-03D-20241113	75465	12.02				
FSND-MW-EVAL-03S-20241113	76810	12.02				
FSND-FD-3-20241113	74961	12.02				
FSND-MW-EVAL-04S-20241113	79010	12.02				
FSND-MW-26-20241113	70163	12.02				
TB-1-20241113	77306	12.02				
FSND-RB-3-20241113	77638	12.02				
FSND-MW-24-20241113	77269	12.02				
FSND-MW-15-20241113	74078	12.02				
FSND-MW-EVAL-02D-20241113	69943	12.02				
FSND-MW-EVAL-02S-20241113	81016	12.02				
FSND-FD-4-20241113	75953	12.02				
FSND-MW-EVAL-01D-20241113	77833	12.02				
FSND-MW-EVAL-01S-20241113	78265	12.02				
VX1122WBL01	79805	12.02				
VX1122WBS01	86659	12.02				

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4846 SAS No.: P4846 SDG NO.: P4846

Lab File ID: VX043950.D Date Analyzed: 11/22/2024

Instrument ID: MSVOA_X Time Analyzed: 11:22

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	88069	12.018				
UPPER LIMIT	176138	12.518				
LOWER LIMIT	44034.5	11.518				
EPA SAMPLE NO.						

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.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4846 SAS No.: P4846 SDG NO.: P4846

Lab File ID: VX043977.D Date Analyzed: 11/25/2024

Instrument ID: MSVOA_X Time Analyzed: 11:27

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	132560	5.54	232543	6.75	196596	10.06
UPPER LIMIT	265120	6.043	465086	7.25	393192	10.555
LOWER LIMIT	66280	5.043	116272	6.25	98298	9.555
EPA SAMPLE NO.						
FSND-MW-EVAL-03D-20241113DL	107746	5.55	202746	6.76	176451	10.05
FSND-MW-EVAL-04D-20241113	113117	5.55	215357	6.76	184073	10.06
FSND-MW-EVAL-04D-20241113MS	120595	5.55	220639	6.76	190029	10.06
FSND-MW-EVAL-04D-20241113MSD	119055	5.55	218255	6.76	194980	10.05
FSND-MW-EVAL-01D-20241113DL	113736	5.54	225557	6.76	194624	10.06
VX1125WBL01	113649	5.54	223629	6.76	208120	10.05
VX1125WBS01	129078	5.54	232630	6.76	200729	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.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4846 SAS No.: P4846 SDG NO.: P4846

Lab File ID: VX043977.D Date Analyzed: 11/25/2024

Instrument ID: MSVOA_X Time Analyzed: 11:27

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	94886	12.018				
UPPER LIMIT	189772	12.518				
LOWER LIMIT	47443	11.518				
EPA SAMPLE NO.						
FSND-MW-EVAL-03D-20241113DL	73448	12.02				
FSND-MW-EVAL-04D-20241113	75257	12.02				
FSND-MW-EVAL-04D-20241113MS	88073	12.02				
FSND-MW-EVAL-04D-20241113MSD	91386	12.02				
FSND-MW-EVAL-01D-20241113DL	82992	12.02				
VX1125WBL01	90683	12.02				
VX1125WBS01	89446	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

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-EVAL-03D-20241113	SDG No.:	P4846
Lab Sample ID:	P4846-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043958.D	1		11/22/24 14:34	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	33.8		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.28	J	0.26	0.75	1.00	ug/L
67-64-1	Acetone	2.10	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.9		0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	150	E	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

Raw Data: **VX043958.D**

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Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-EVAL-03D-20241113	SDG No.:	P4846
Lab Sample ID:	P4846-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043958.D	1		11/22/24 14:34	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.4		81 - 118		103%	SPK: 50
1868-53-7	Dibromofluoromethane	46.5		80 - 119		93%	SPK: 50
2037-26-5	Toluene-d8	49.3		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.9		85 - 114		94%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	109000	5.55				
540-36-3	1,4-Difluorobenzene	213000	6.757				
3114-55-4	Chlorobenzene-d5	182000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	75500	12.024				

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Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-EVAL-03D-20241113	SDG No.:	P4846
Lab Sample ID:	P4846-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043958.D	1		11/22/24 14:34	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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\VX112224\
Data File : VX043958.D
Acq On : 22 Nov 2024 14:34
Operator : JC/MD
Sample : P4846-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-03D-20241113

Quant Time: Nov 22 22:23:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

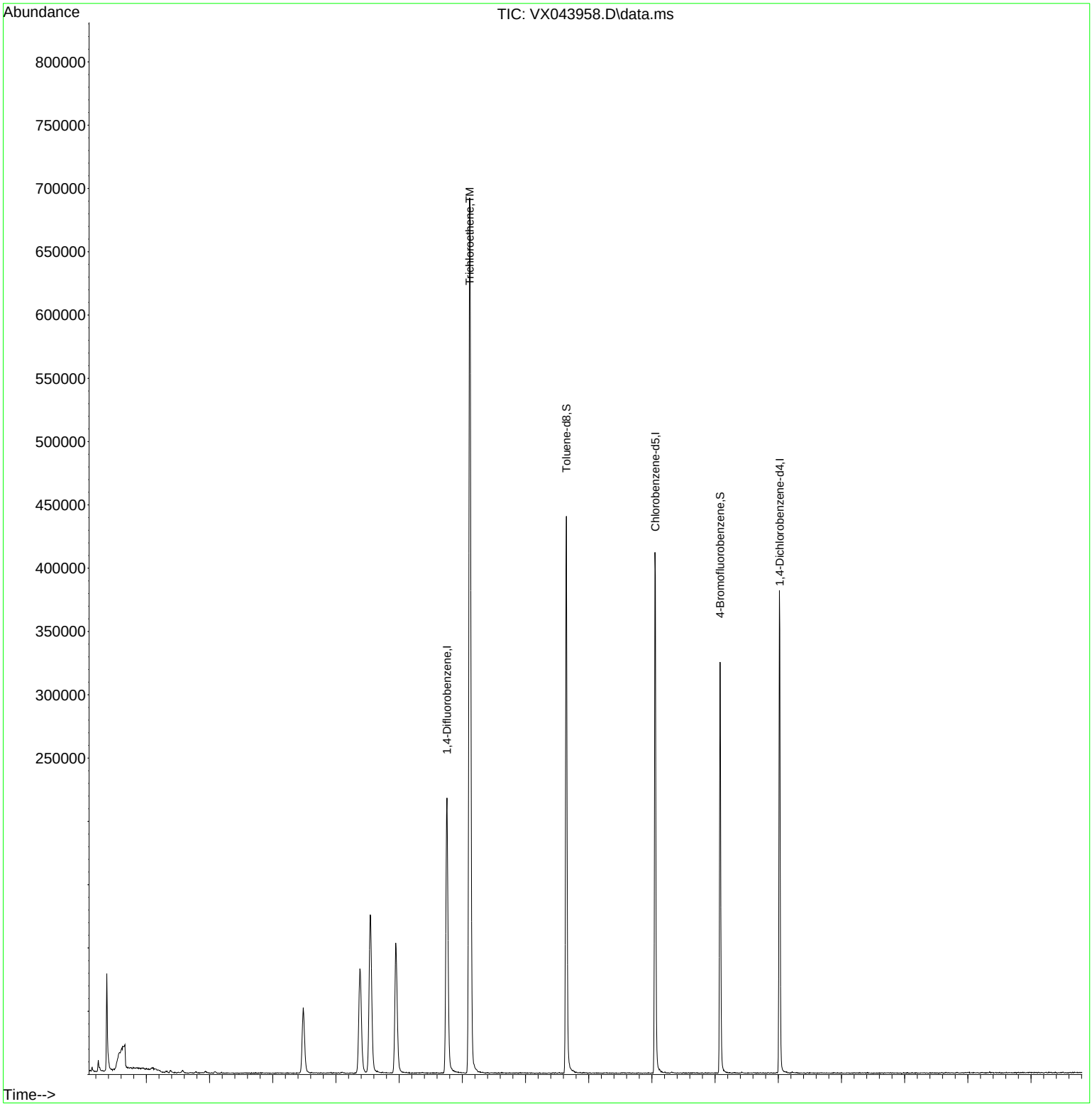
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	109195	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.757	114	212971	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	181858	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	75465	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	96286	51.411	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.820%			
35) Dibromofluoromethane	5.385	113	70825	46.541	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.080%			
50) Toluene-d8	8.647	98	258649	49.306	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.620%			
62) 4-Bromofluorobenzene	11.079	95	83717	46.893	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.780%			
Target Compounds						Qvalue
4) Vinyl Chloride	1.374	62	52287	33.770	ug/l	100
12) 1,1-Dichloroethene	2.306	96	358	0.285	ug/l #	34
16) Acetone	2.386	43	1800	2.093	ug/l #	81
27) cis-1,2-Dichloroethene	4.483	96	30305	18.873	ug/l	90
44) Trichloroethene	7.117	130	255239	152.639	ug/l	95

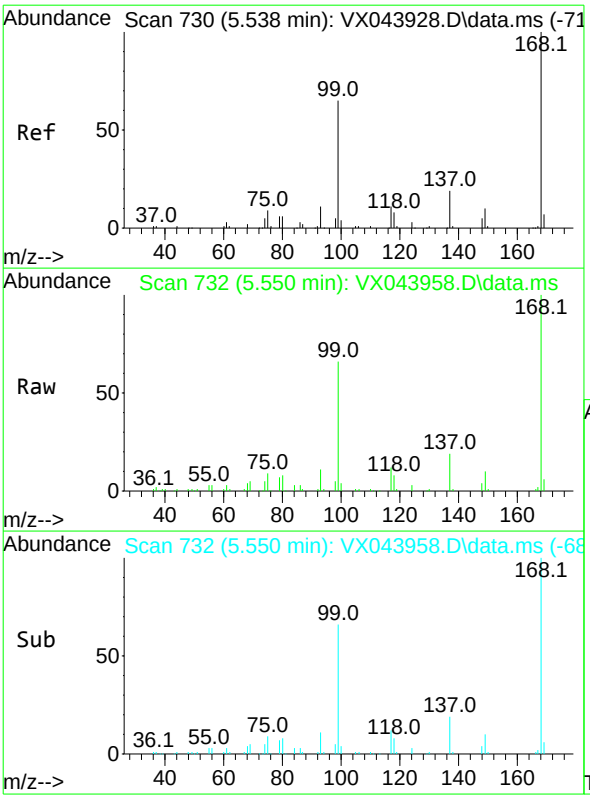
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043958.D
Acq On : 22 Nov 2024 14:34
Operator : JC/MD
Sample : P4846-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-03D-20241113

Quant Time: Nov 22 22:23:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



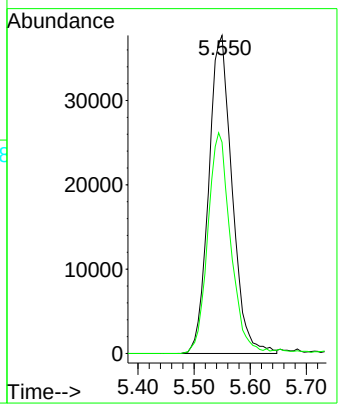


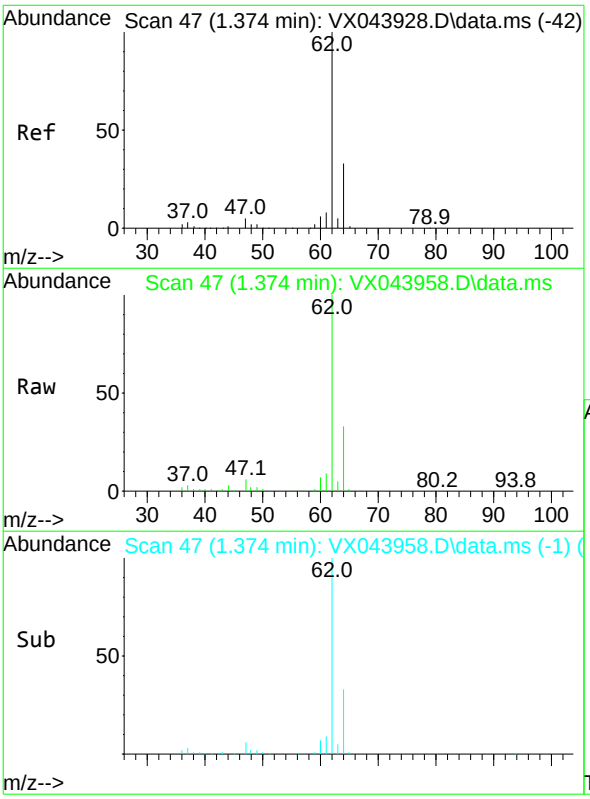
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. 0.012 min
Lab File: VX043958.D
Acq: 22 Nov 2024 14:34

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-03D-20241113

Tgt Ion:168 Resp: 109195

Ion	Ratio	Lower	Upper
168	100		
99	66.4	51.8	77.8

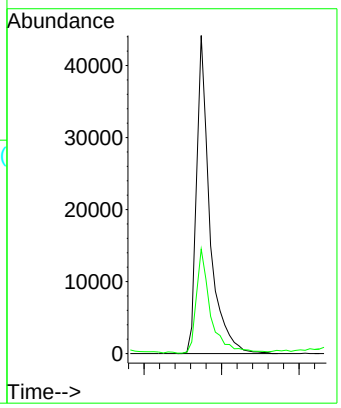


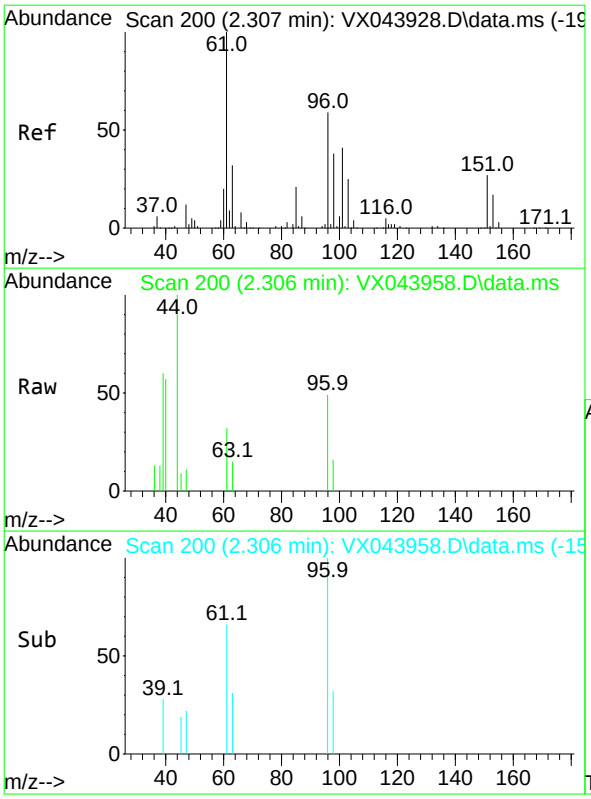


#4
Vinyl Chloride
Concen: 33.770 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043958.D
Acq: 22 Nov 2024 14:34

Tgt Ion: 62 Resp: 52287

Ion	Ratio	Lower	Upper
62	100		
64	32.7	26.2	39.4



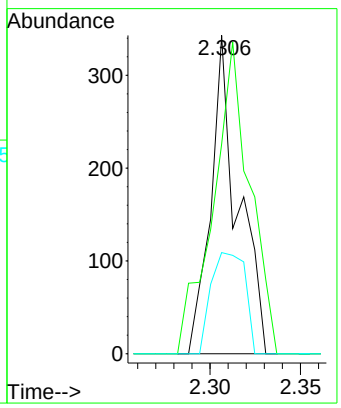


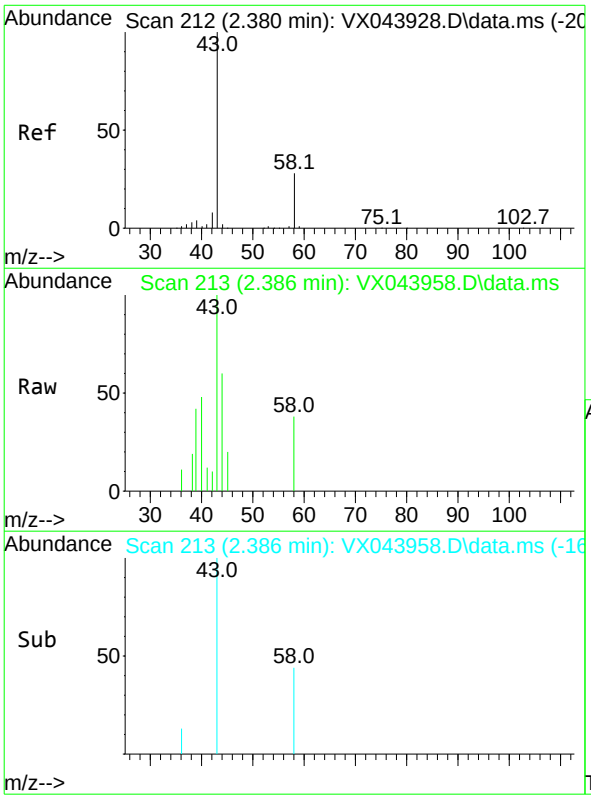
#12
1,1-Dichloroethene
Concen: 0.285 ug/l
RT: 2.306 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX043958.D
Acq: 22 Nov 2024 14:34

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-03D-20241113

Tgt Ion: 96 Resp: 358

Ion	Ratio	Lower	Upper
96	100		
61	65.9	135.5	203.3#
98	31.8	50.8	76.2#

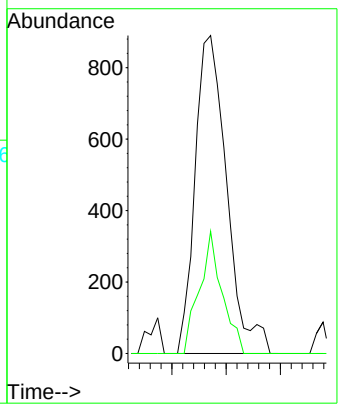


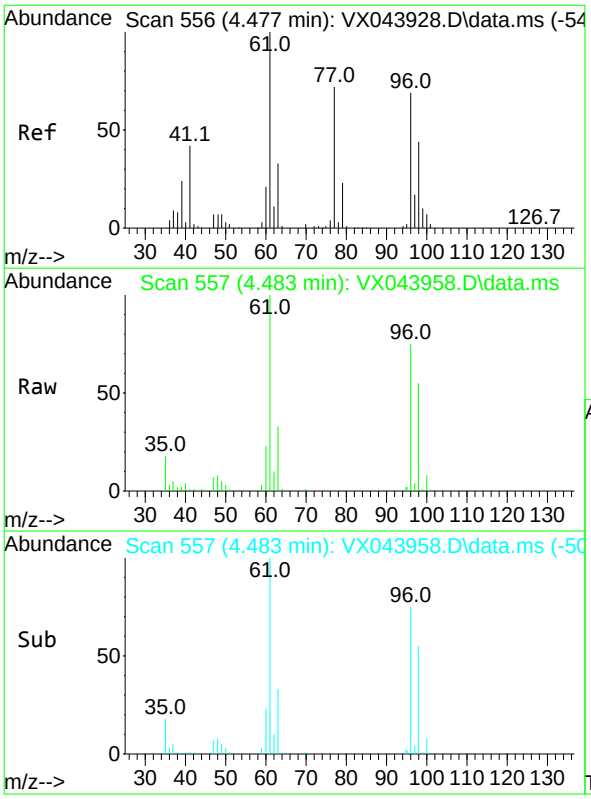


#16
Acetone
Concen: 2.093 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043958.D
Acq: 22 Nov 2024 14:34

Tgt Ion: 43 Resp: 1800

Ion	Ratio	Lower	Upper
43	100		
58	38.4	22.7	34.1#



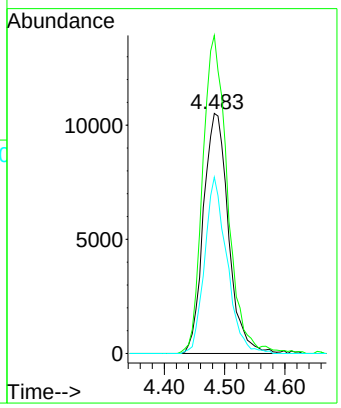


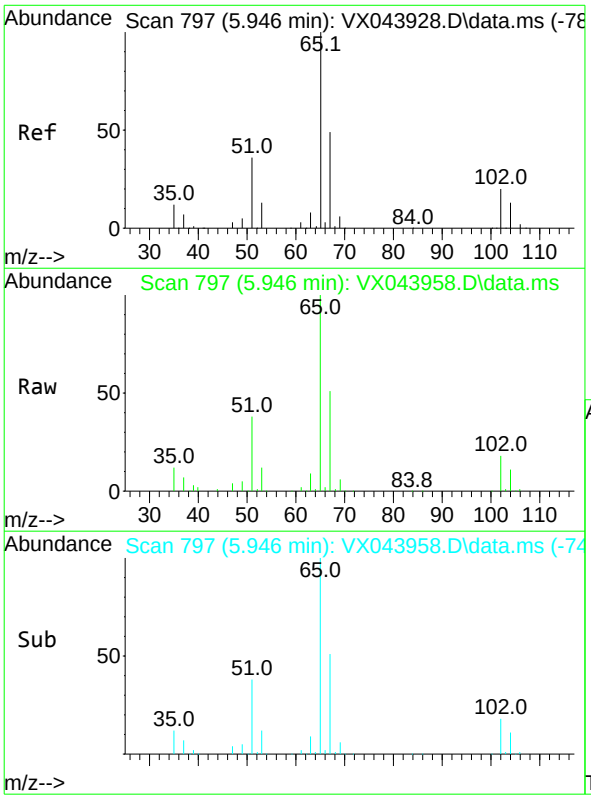
#27
cis-1,2-Dichloroethene
Concen: 18.873 ug/l
RT: 4.483 min Scan# 55
Delta R.T. 0.006 min
Lab File: VX043958.D
Acq: 22 Nov 2024 14:34

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-03D-20241113

Tgt Ion: 96 Resp: 30305

Ion	Ratio	Lower	Upper
96	100		
61	131.7	0.0	297.4
98	65.7	0.0	127.8

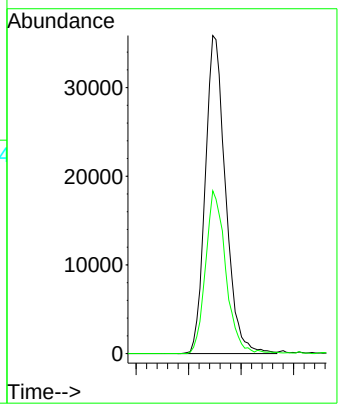


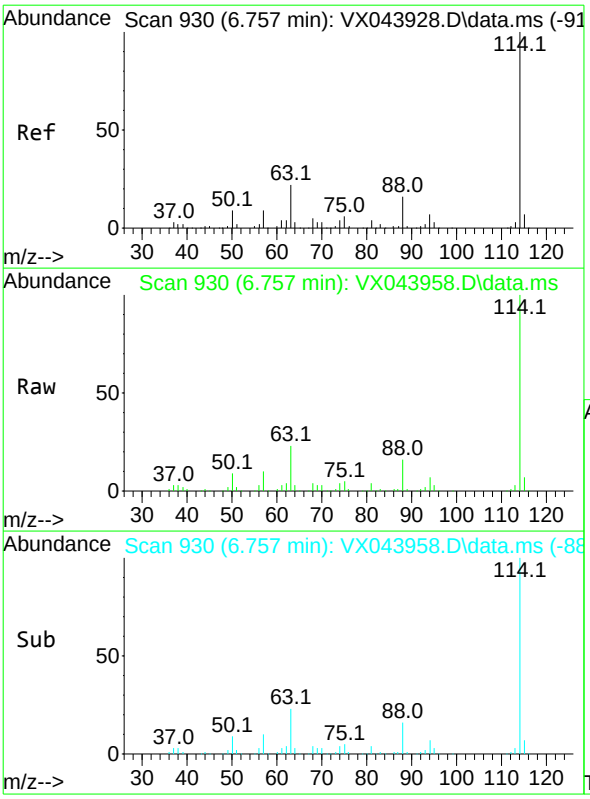


#33
1,2-Dichloroethane-d4
Concen: 51.411 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.000 min
Lab File: VX043958.D
Acq: 22 Nov 2024 14:34

Tgt Ion: 65 Resp: 96286

Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	100.8



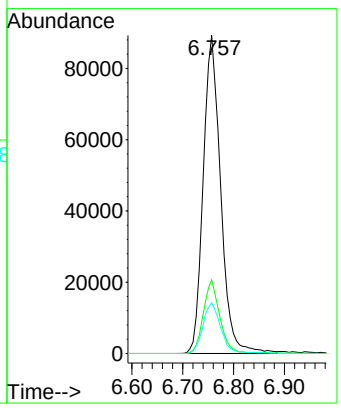


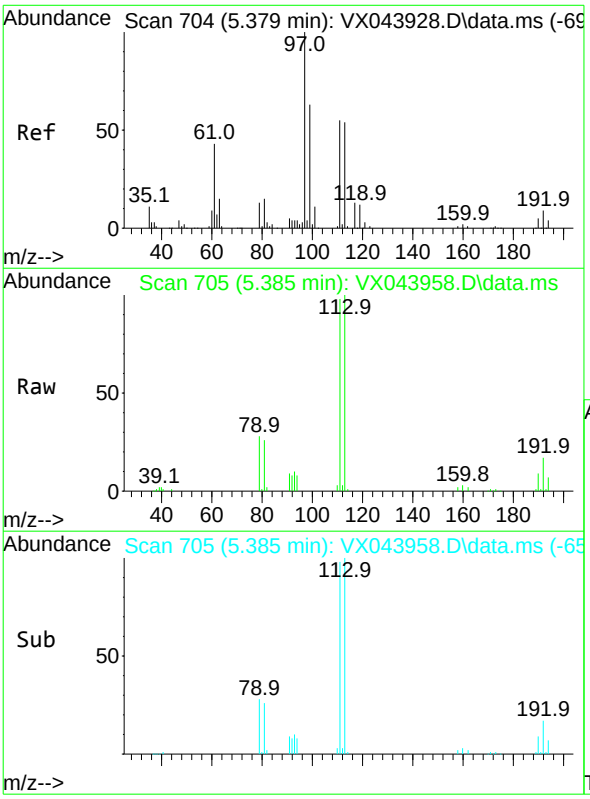
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. -0.000 min
Lab File: VX043958.D
Acq: 22 Nov 2024 14:34

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-03D-20241113

Tgt Ion:114 Resp: 212971

Ion	Ratio	Lower	Upper
114	100		
63	23.1	0.0	44.0
88	15.9	0.0	32.4

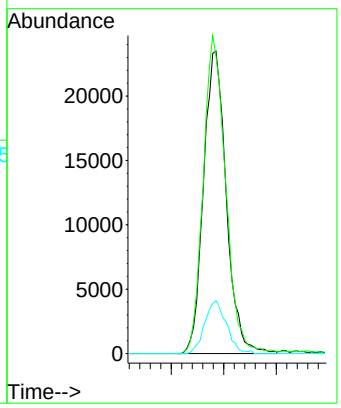


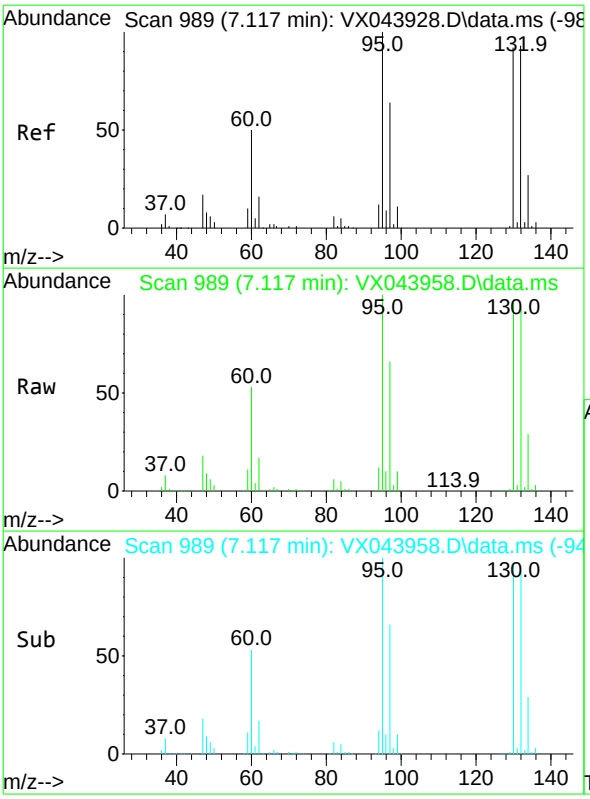


#35
Dibromofluoromethane
Concen: 46.541 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX043958.D
Acq: 22 Nov 2024 14:34

Tgt Ion:113 Resp: 70825

Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.0	121.4
192	16.7	13.0	19.6



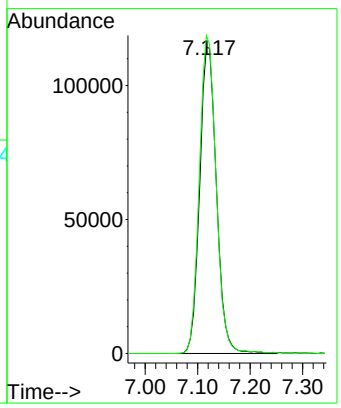


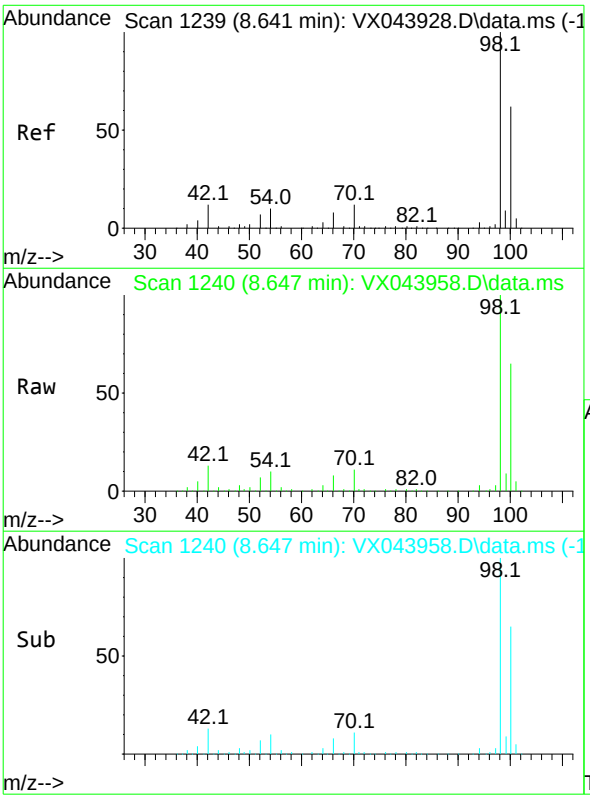
#44
Trichloroethene
Concen: 152.639 ug/l
RT: 7.117 min Scan# 98
Delta R.T. -0.000 min
Lab File: VX043958.D
Acq: 22 Nov 2024 14:34

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-03D-20241113

Tgt Ion:130 Resp: 255239

Ion	Ratio	Lower	Upper
130	100		
95	103.9	0.0	217.8

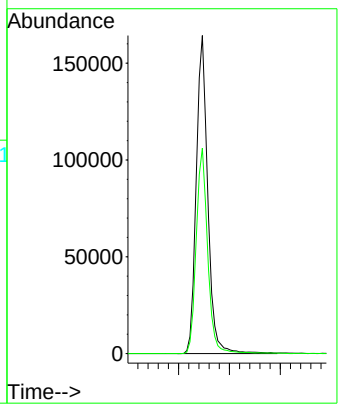


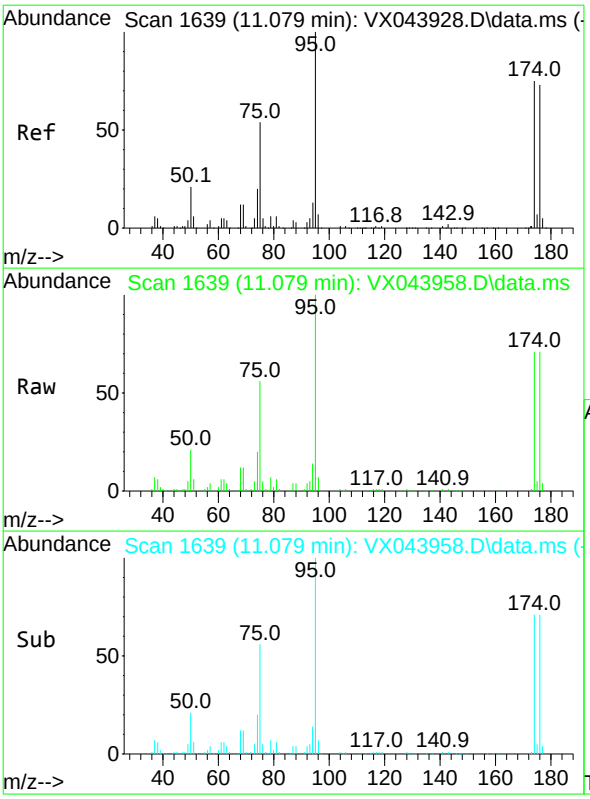


#50
Toluene-d8
Concen: 49.306 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043958.D
Acq: 22 Nov 2024 14:34

Tgt Ion: 98 Resp: 258649

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.6	79.0



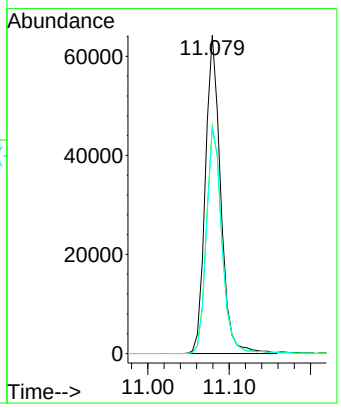


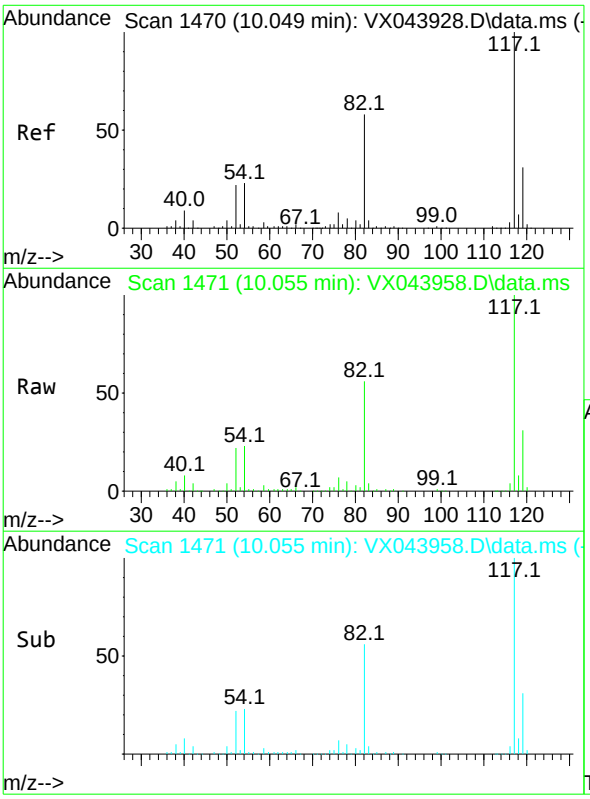
#62
4-Bromofluorobenzene
Concen: 46.893 ug/l
RT: 11.079 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043958.D
Acq: 22 Nov 2024 14:34

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-03D-20241113

Tgt Ion: 95 Resp: 83717

Ion	Ratio	Lower	Upper
95	100		
174	72.4	0.0	150.4
176	71.8	0.0	146.0

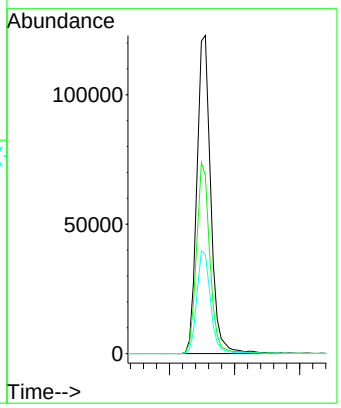


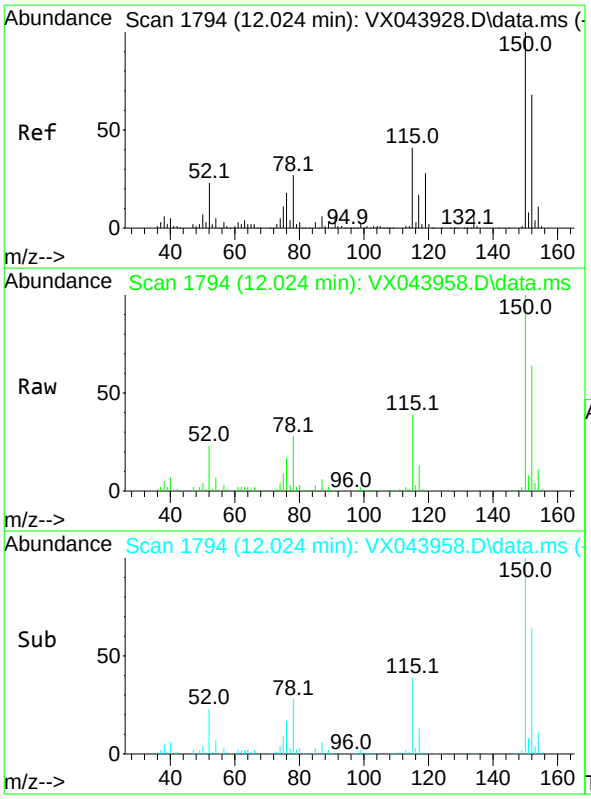


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX043958.D
Acq: 22 Nov 2024 14:34

Tgt Ion:117 Resp: 181858

Ion	Ratio	Lower	Upper
117	100		
82	56.0	46.4	69.6
119	31.2	24.6	37.0



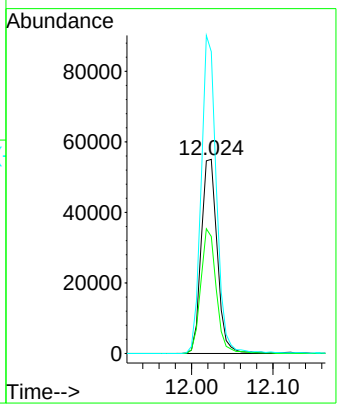


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043958.D
Acq: 22 Nov 2024 14:34

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-03D-20241113

Tgt Ion:152 Resp: 75465

Ion	Ratio	Lower	Upper
152	100		
115	62.2	45.4	136.2
150	155.6	0.0	353.0



Sample Results: **VX043958.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043958.D
Acq On : 22 Nov 2024 14:34
Operator : JC/MD
Sample : P4846-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-03D-20241113

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\82X112124W.M
Title : SW846 8260

Signal : TIC: VX043958.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.374	43	47	59	rBV	76375	92446	6.01%	1.698%
2	1.575	67	80	82	rBV8	13530	43778	2.85%	0.804%
3	4.483	546	557	568	rBV	51651	139211	9.06%	2.557%
4	5.379	693	704	719	rBV	82503	245362	15.96%	4.507%
5	5.544	719	731	747	rVV	124469	360000	23.42%	6.612%
6	5.946	787	797	814	rBV	102829	270921	17.62%	4.976%
7	6.757	921	930	947	rBV	217351	520998	33.89%	9.569%
8	7.117	981	989	1011	rBV	691326	1537366	100.00%	28.236%
9	8.647	1233	1240	1256	rBV	440116	707380	46.01%	12.992%
10	10.049	1465	1470	1481	rBV	411574	598850	38.95%	10.999%
11	11.079	1634	1639	1656	rBV	324580	428102	27.85%	7.863%
12	12.018	1788	1793	1805	rBV	381164	500200	32.54%	9.187%

Sum of corrected areas: 5444614

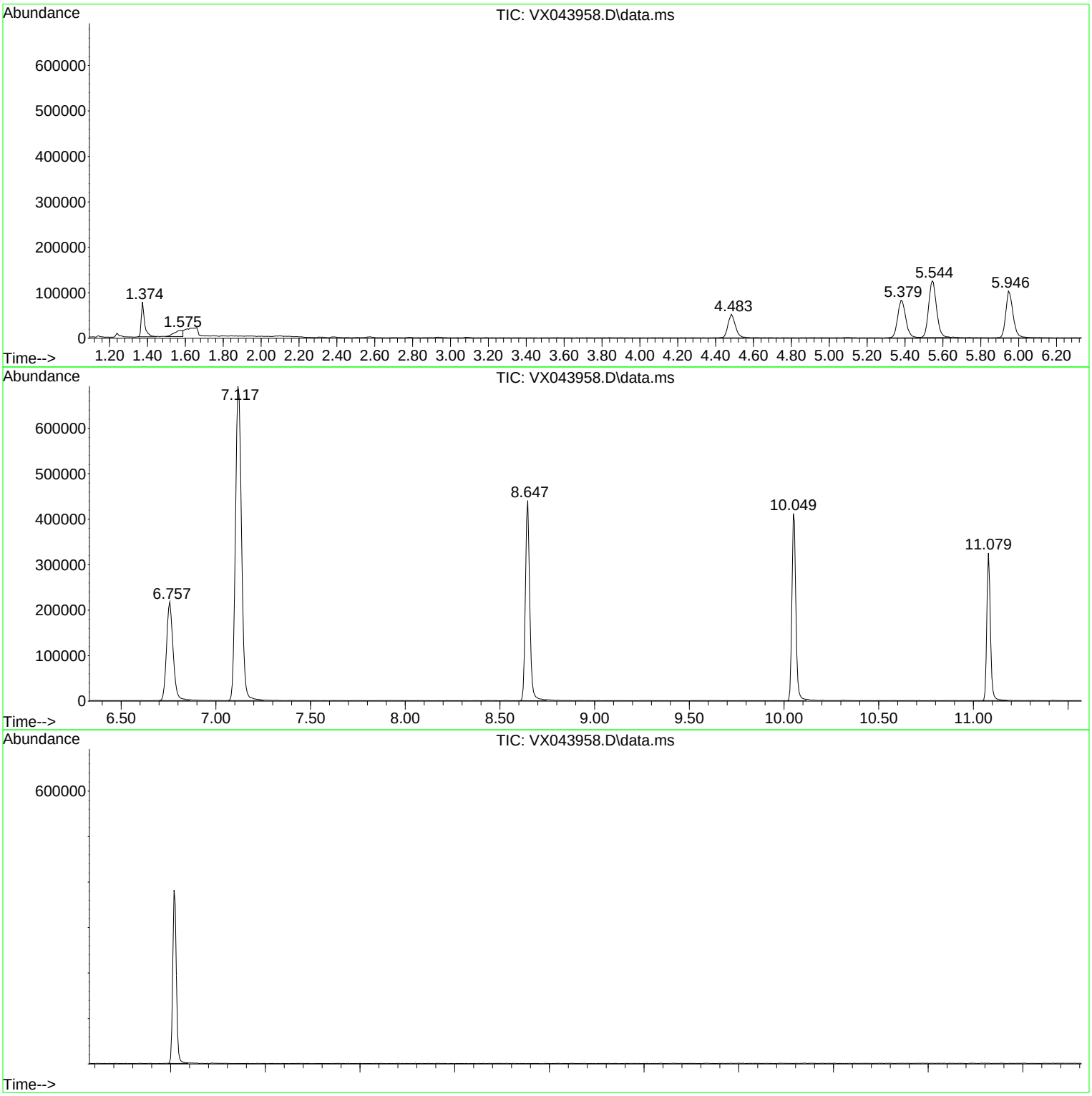
Sample Results: **VX043958.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043958.D
Acq On : 22 Nov 2024 14:34
Operator : JC/MD
Sample : P4846-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-03D-20241113

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VX043958.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043958.D
Acq On : 22 Nov 2024 14:34
Operator : JC/MD
Sample : P4846-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-03D-20241113

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.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\VX112224\
Data File : VX043958.D
Acq On : 22 Nov 2024 14:34
Operator : JC/MD
Sample : P4846-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-03D-20241113

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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

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

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-EVAL-03D-20241113DL	SDG No.:	P4846
Lab Sample ID:	P4846-01DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043982.D	5		11/25/24 13:31	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	2.50	UD	1.10	2.50	5.00	ug/L
74-87-3	Chloromethane	2.50	UD	1.80	2.50	5.00	ug/L
75-01-4	Vinyl Chloride	34.2	D	1.70	3.80	5.00	ug/L
74-83-9	Bromomethane	18.8	UD	6.80	18.8	25.0	ug/L
75-00-3	Chloroethane	3.80	UD	2.80	3.80	5.00	ug/L
75-69-4	Trichlorofluoromethane	2.50	UD	1.70	2.50	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	2.50	UD	1.30	2.50	5.00	ug/L
75-35-4	1,1-Dichloroethene	3.80	UD	1.30	3.80	5.00	ug/L
67-64-1	Acetone	18.8	UD	7.00	18.8	25.0	ug/L
75-15-0	Carbon Disulfide	3.80	UD	1.60	3.80	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	2.50	UD	0.80	2.50	5.00	ug/L
79-20-9	Methyl Acetate	3.80	UD	3.00	3.80	5.00	ug/L
75-09-2	Methylene Chloride	2.50	UD	1.60	2.50	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	2.50	UD	1.30	2.50	5.00	ug/L
75-34-3	1,1-Dichloroethane	2.50	UD	1.20	2.50	5.00	ug/L
110-82-7	Cyclohexane	12.5	UD	8.10	12.5	25.0	ug/L
78-93-3	2-Butanone	12.5	UD	6.50	12.5	25.0	ug/L
56-23-5	Carbon Tetrachloride	2.50	UD	1.30	2.50	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.1	D	1.30	3.80	5.00	ug/L
74-97-5	Bromochloromethane	2.50	UD	0.90	2.50	5.00	ug/L
67-66-3	Chloroform	2.50	UD	1.30	2.50	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	2.50	UD	0.95	2.50	5.00	ug/L
108-87-2	Methylcyclohexane	2.50	UD	0.95	2.50	5.00	ug/L
71-43-2	Benzene	2.50	UD	0.80	2.50	5.00	ug/L
107-06-2	1,2-Dichloroethane	2.50	UD	1.20	2.50	5.00	ug/L
79-01-6	Trichloroethene	150	D	1.60	3.80	5.00	ug/L
78-87-5	1,2-Dichloropropane	2.50	UD	0.95	2.50	5.00	ug/L
75-27-4	Bromodichloromethane	2.50	UD	1.20	2.50	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	12.5	UD	3.80	12.5	25.0	ug/L
108-88-3	Toluene	2.50	UD	0.90	2.50	5.00	ug/L

Raw Data: **VX043982.D**

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-EVAL-03D-20241113DL	SDG No.:	P4846
Lab Sample ID:	P4846-01DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043982.D	5		11/25/24 13:31	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	2.50	UD	1.10	2.50	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	2.50	UD	0.90	2.50	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	2.50	UD	1.10	2.50	5.00	ug/L
591-78-6	2-Hexanone	12.5	UD	5.70	12.5	25.0	ug/L
124-48-1	Dibromochloromethane	2.50	UD	0.90	2.50	5.00	ug/L
106-93-4	1,2-Dibromoethane	2.50	UD	0.80	2.50	5.00	ug/L
127-18-4	Tetrachloroethene	2.50	UD	1.30	2.50	5.00	ug/L
108-90-7	Chlorobenzene	2.50	UD	0.65	2.50	5.00	ug/L
100-41-4	Ethyl Benzene	2.50	UD	0.80	2.50	5.00	ug/L
179601-23-1	m/p-Xylenes	5.00	UD	1.60	5.00	10.0	ug/L
95-47-6	o-Xylene	2.50	UD	0.70	2.50	5.00	ug/L
100-42-5	Styrene	2.50	UD	0.80	2.50	5.00	ug/L
75-25-2	Bromoform	2.50	UD	1.10	2.50	5.00	ug/L
98-82-8	Isopropylbenzene	2.50	UD	0.65	2.50	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	2.50	UD	1.40	2.50	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	2.50	UD	1.20	2.50	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	2.50	UD	1.40	2.50	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	2.50	UD	0.95	2.50	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	3.80	UD	2.30	3.80	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	2.50	UD	2.10	2.50	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	3.80	UD	2.60	3.80	5.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.3		81 - 118		101%	SPK: 50
1868-53-7	Dibromofluoromethane	48.0		80 - 119		96%	SPK: 50
2037-26-5	Toluene-d8	49.6		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.2		85 - 114		96%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	108000	5.55				
540-36-3	1,4-Difluorobenzene	203000	6.757				
3114-55-4	Chlorobenzene-d5	176000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	73400	12.024				

Raw Data: **VX043982.D**

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-EVAL-03D-20241113DL	SDG No.:	P4846
Lab Sample ID:	P4846-01DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043982.D	5		11/25/24 13:31	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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

Sample Results: **VX043982.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043982.D
Acq On : 25 Nov 2024 13:31
Operator : JC/MD
Sample : P4846-01DL 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-03D-20241113DL

Quant Time: Nov 26 00:47:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	107746	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.757	114	202746	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	176451	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	73448	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	93012	50.330	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.660%			
35) Dibromofluoromethane	5.379	113	69517	47.985	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.980%			
50) Toluene-d8	8.647	98	247863	49.633	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.260%			
62) 4-Bromofluorobenzene	11.079	95	81837	48.152	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.300%			
Target Compounds						Qvalue
4) Vinyl Chloride	1.374	62	10448	6.839	ug/l	93
16) Acetone	2.392	43	967	1.139	ug/l #	80
27) cis-1,2-Dichloroethene	4.483	96	6365	4.017	ug/l	89
44) Trichloroethene	7.123	130	49229	30.925	ug/l	89

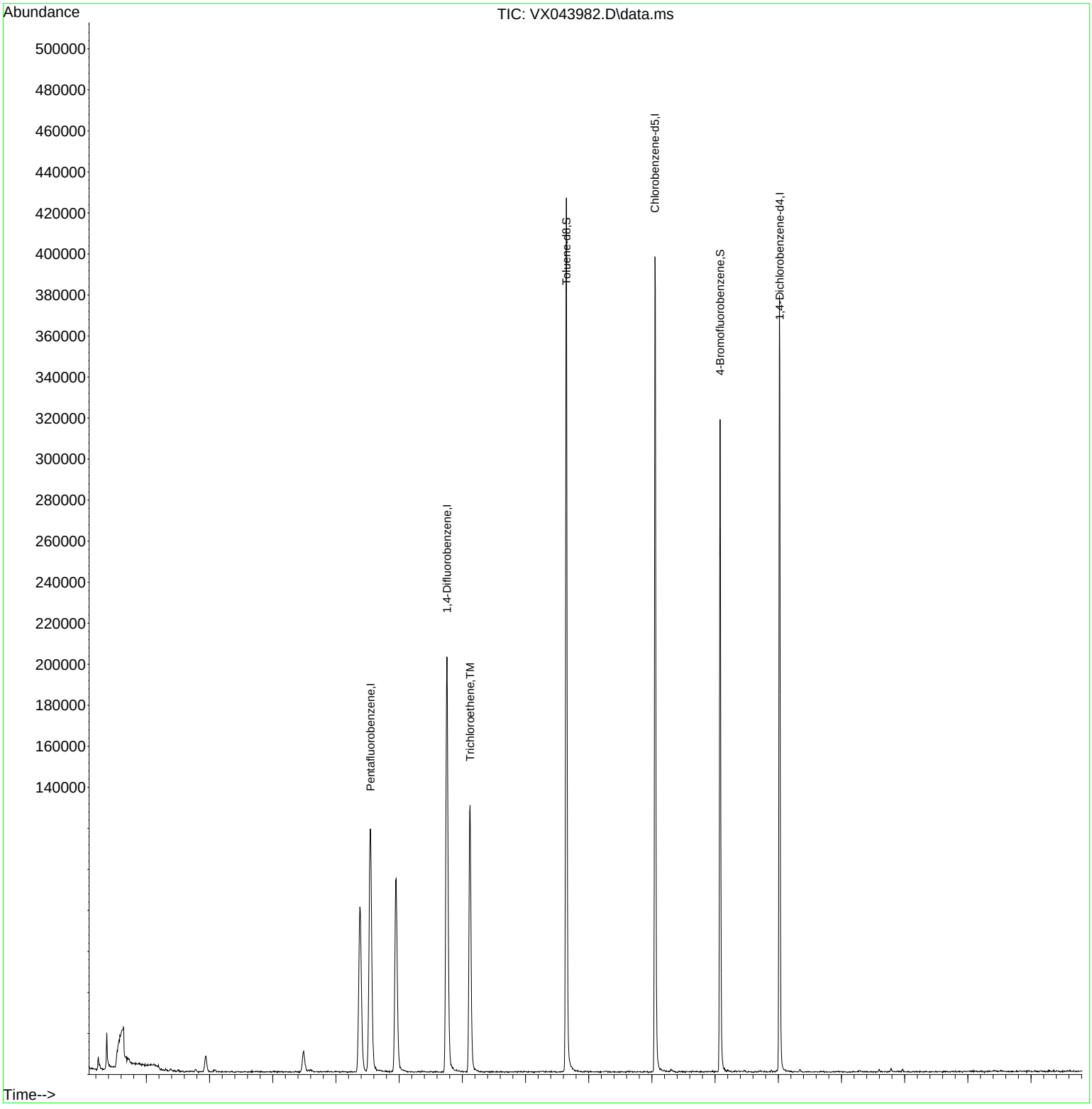
(#) = qualifier out of range (m) = manual integration (+) = signals summed

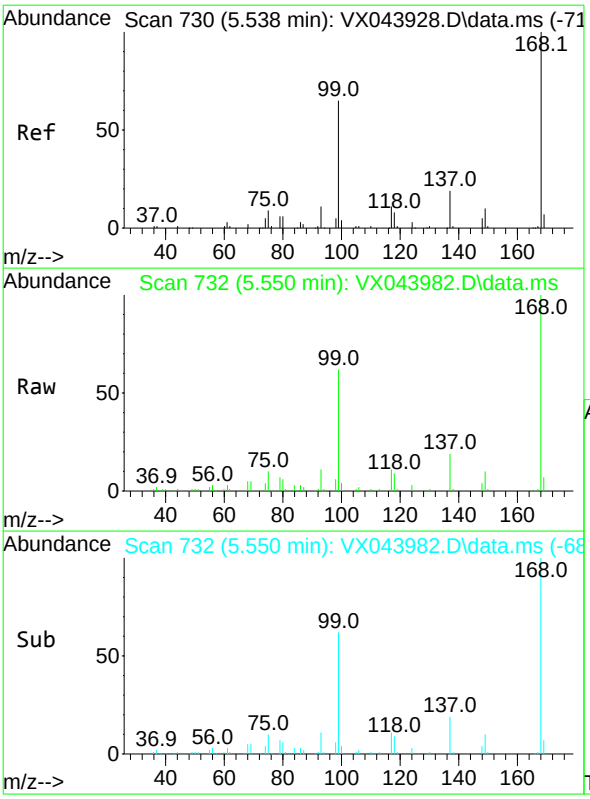
Sample Results: **VX043982.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043982.D
Acq On : 25 Nov 2024 13:31
Operator : JC/MD
Sample : P4846-01DL 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-03D-20241113DL

Quant Time: Nov 26 00:47:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



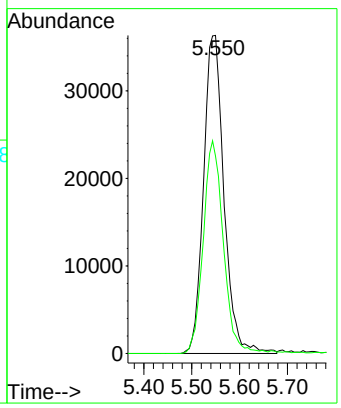


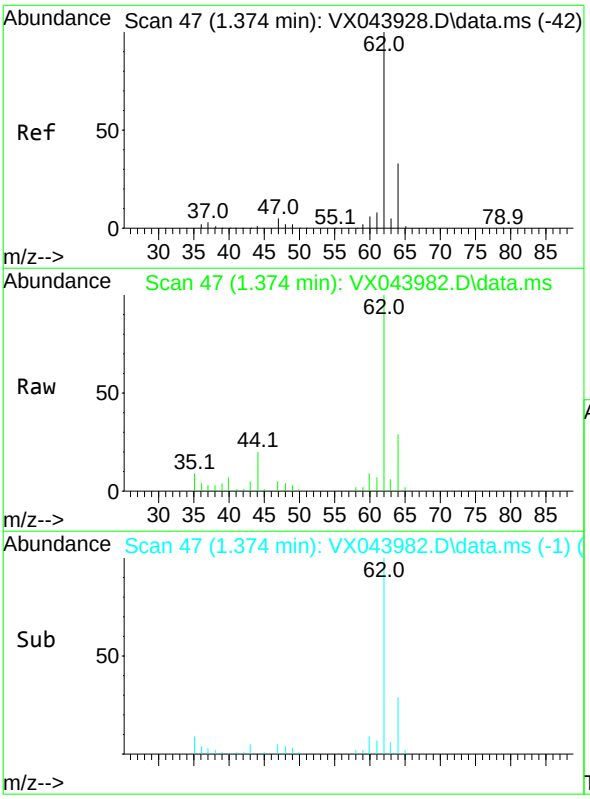
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. 0.012 min
Lab File: VX043982.D
Acq: 25 Nov 2024 13:31

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-03D-20241113DL

Tgt Ion:168 Resp: 107746

Ion	Ratio	Lower	Upper
168	100		
99	62.1	51.8	77.8

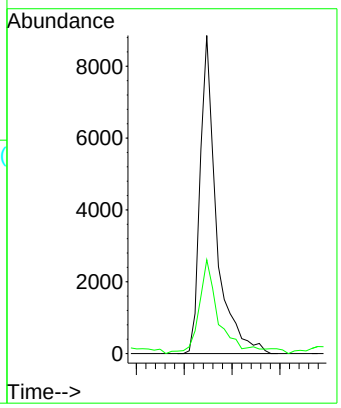


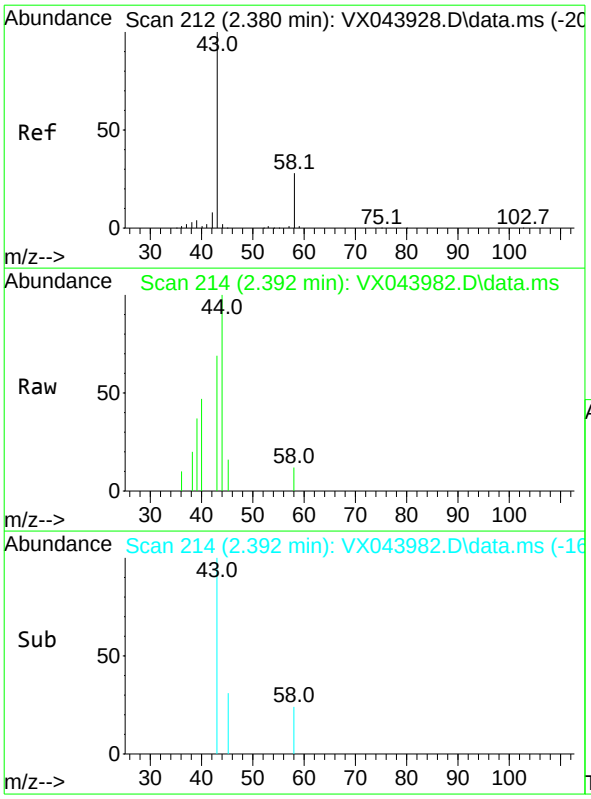


#4
Vinyl Chloride
Concen: 6.839 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043982.D
Acq: 25 Nov 2024 13:31

Tgt Ion: 62 Resp: 10448

Ion	Ratio	Lower	Upper
62	100		
64	28.7	26.2	39.4



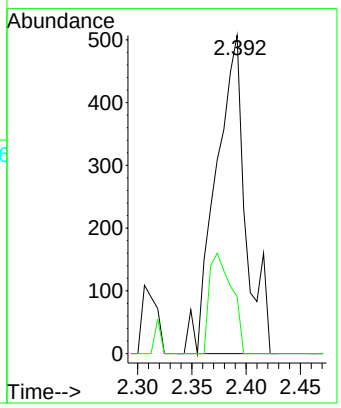


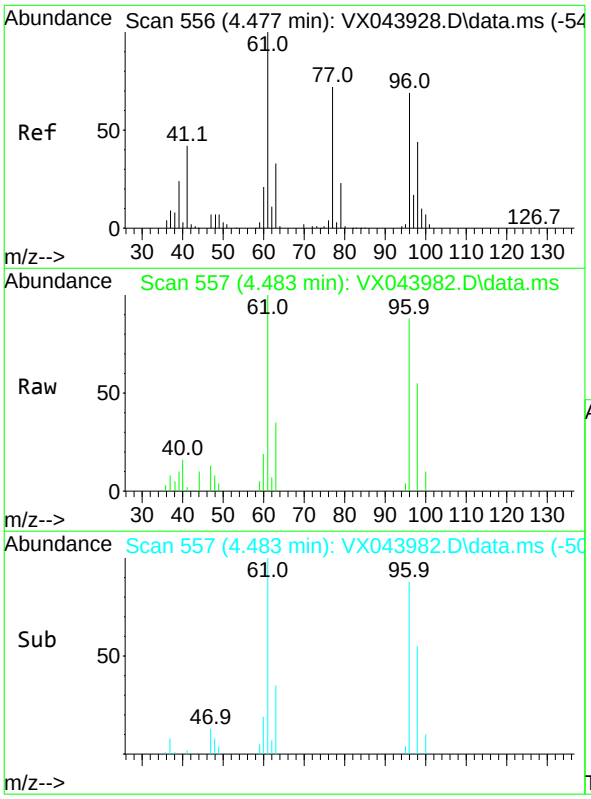
#16
Acetone
Concen: 1.139 ug/l
RT: 2.392 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX043982.D
Acq: 25 Nov 2024 13:31

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-03D-20241113DL

Tgt Ion: 43 Resp: 967

Ion	Ratio	Lower	Upper
43	100		
58	17.9	22.7	34.1#

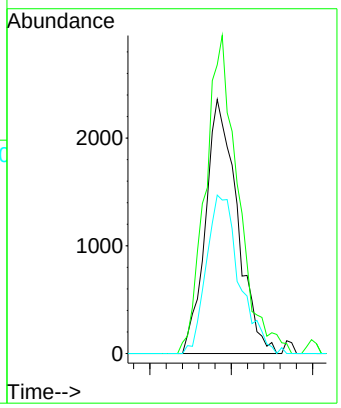


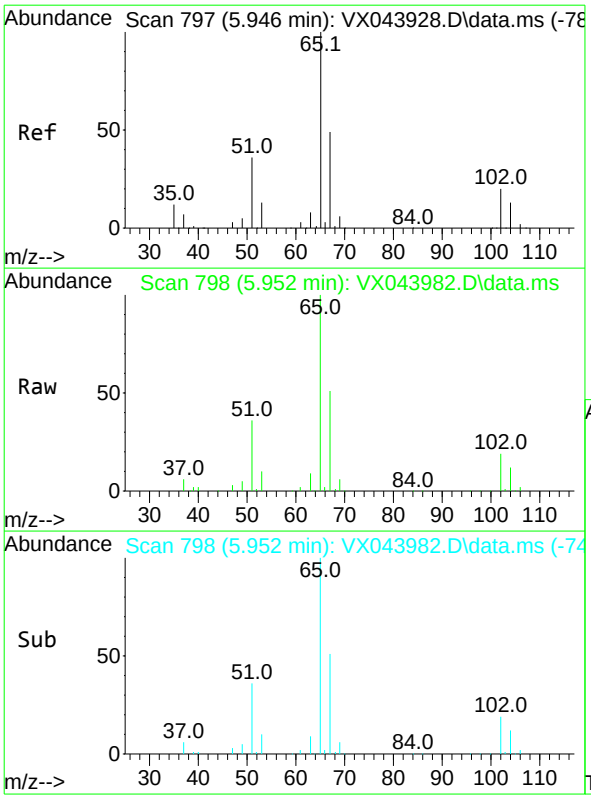


#27
cis-1,2-Dichloroethene
Concen: 4.017 ug/l
RT: 4.483 min Scan# 557
Delta R.T. 0.006 min
Lab File: VX043982.D
Acq: 25 Nov 2024 13:31

Tgt Ion: 96 Resp: 6365

Ion	Ratio	Lower	Upper
96	100		
61	129.6	0.0	297.4
98	65.5	0.0	127.8



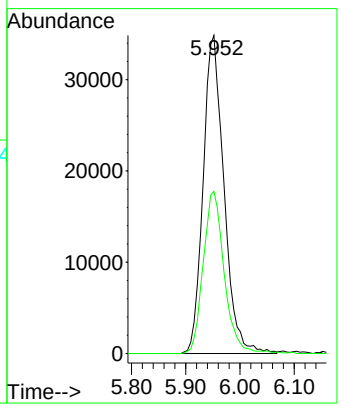


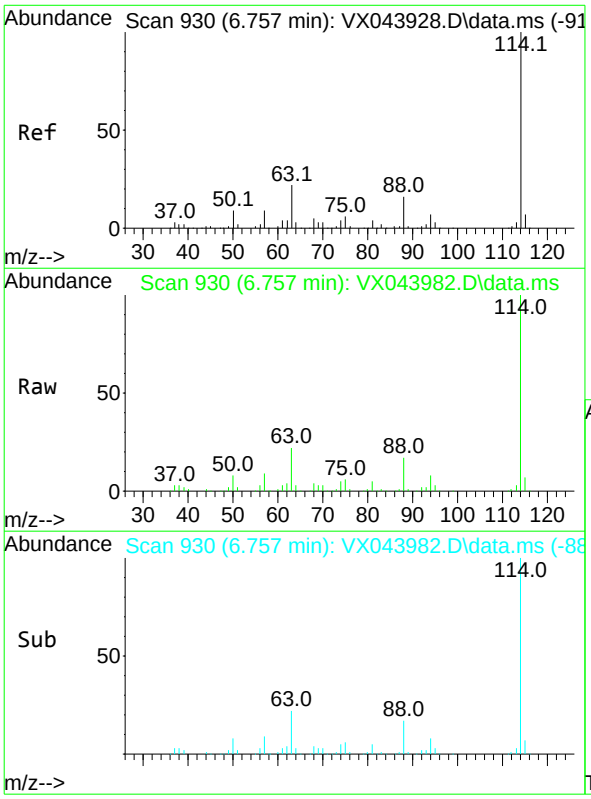
#33
1,2-Dichloroethane-d4
Concen: 50.330 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.006 min
Lab File: VX043982.D
Acq: 25 Nov 2024 13:31

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-03D-20241113DL

Tgt Ion: 65 Resp: 93012

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	100.8

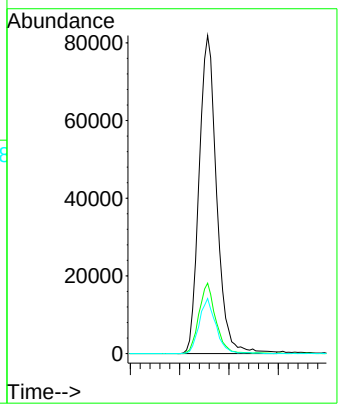


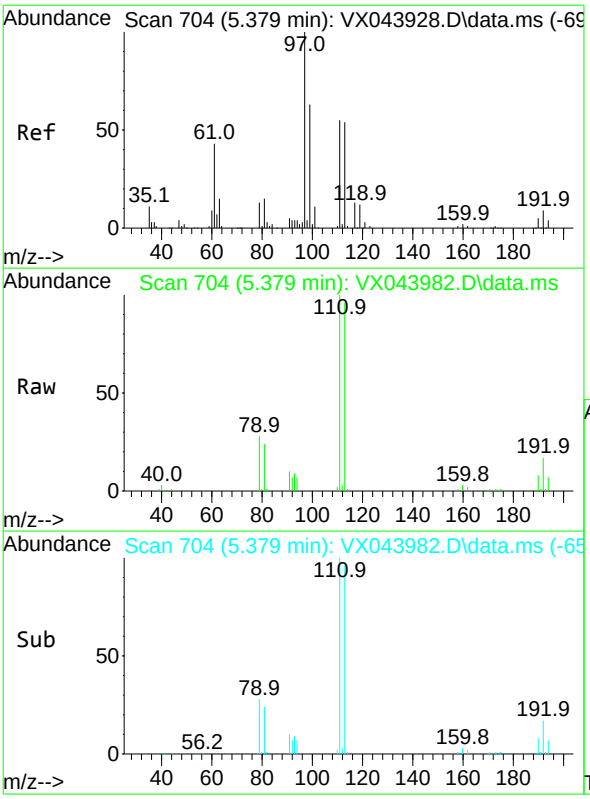


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043982.D
Acq: 25 Nov 2024 13:31

Tgt Ion:114 Resp: 202746

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	44.0
88	17.3	0.0	32.4



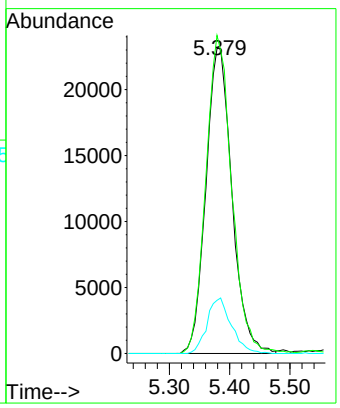


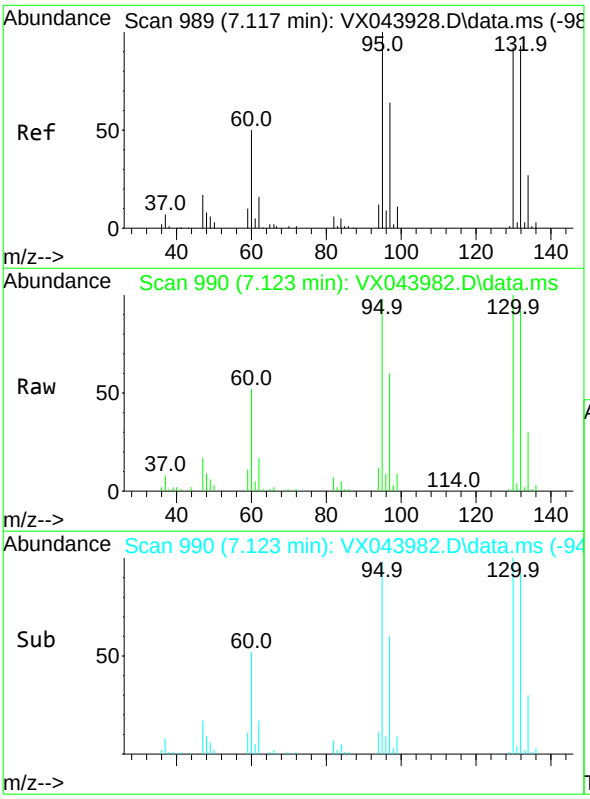
#35
Dibromofluoromethane
Concen: 47.985 ug/l
RT: 5.379 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX043982.D
Acq: 25 Nov 2024 13:31

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-03D-20241113DL

Tgt Ion:113 Resp: 69517

Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.0	121.4
192	16.9	13.0	19.6

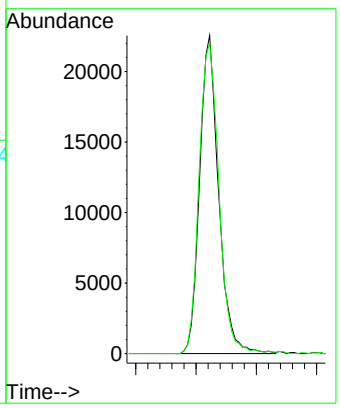


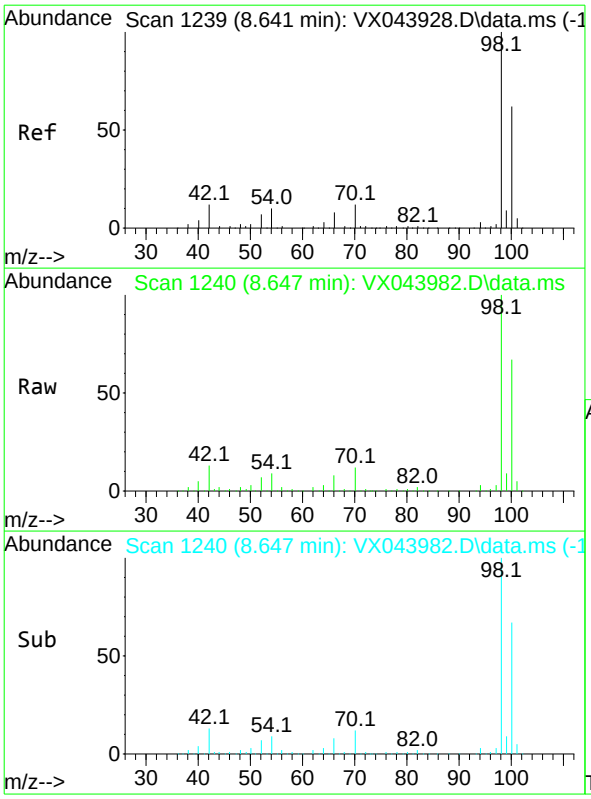


#44
Trichloroethene
Concen: 30.925 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX043982.D
Acq: 25 Nov 2024 13:31

Tgt Ion:130 Resp: 49229

Ion	Ratio	Lower	Upper
130	100		
95	97.8	0.0	217.8



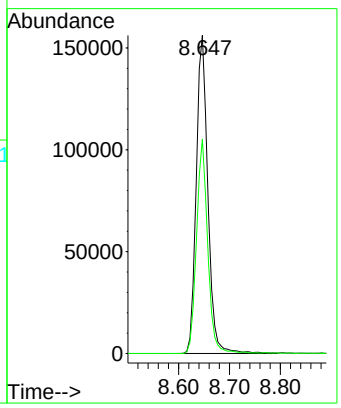


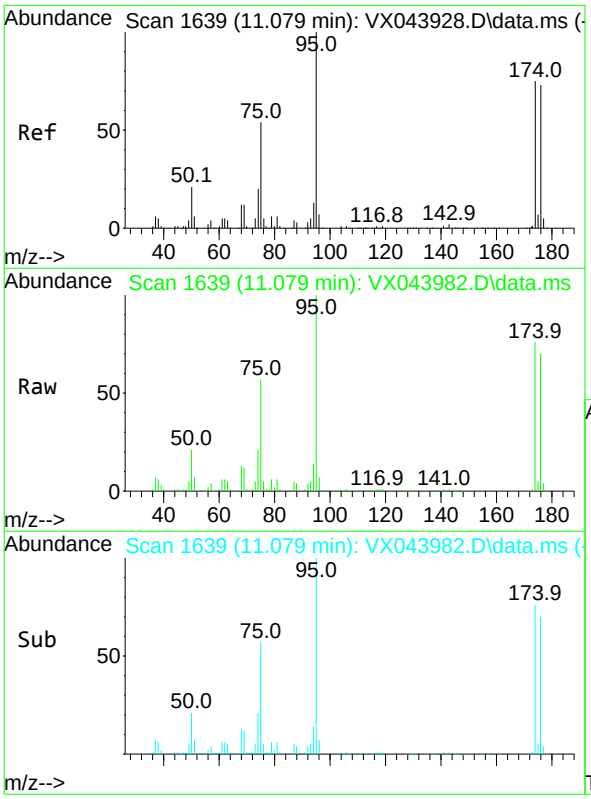
#50
Toluene-d8
Concen: 49.633 ug/l
RT: 8.647 min Scan# 12
Delta R.T. 0.006 min
Lab File: VX043982.D
Acq: 25 Nov 2024 13:31

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-03D-20241113DL

Tgt Ion: 98 Resp: 247863

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.6	79.0

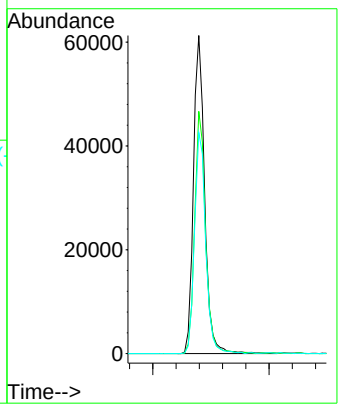


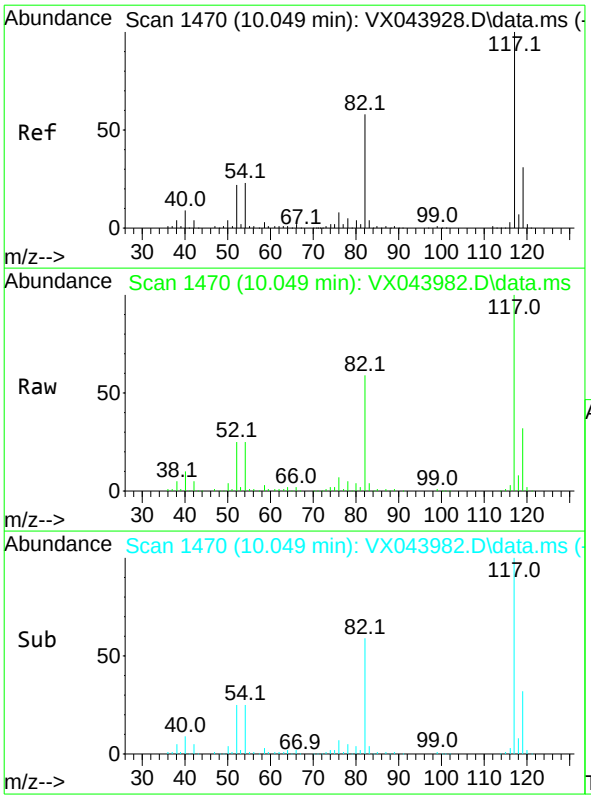


#62
4-Bromofluorobenzene
Concen: 48.152 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043982.D
Acq: 25 Nov 2024 13:31

Tgt Ion: 95 Resp: 81837

Ion	Ratio	Lower	Upper
95	100		
174	74.2	0.0	150.4
176	69.2	0.0	146.0



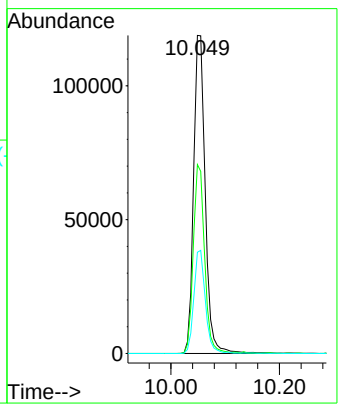


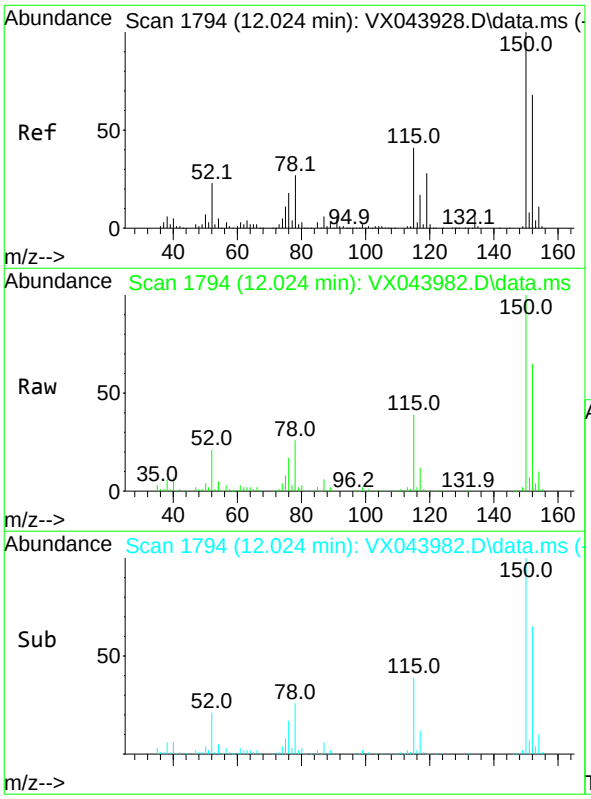
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043982.D
Acq: 25 Nov 2024 13:31

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-03D-20241113DL

Tgt Ion:117 Resp: 176451

Ion	Ratio	Lower	Upper
117	100		
82	59.4	46.4	69.6
119	31.8	24.6	37.0

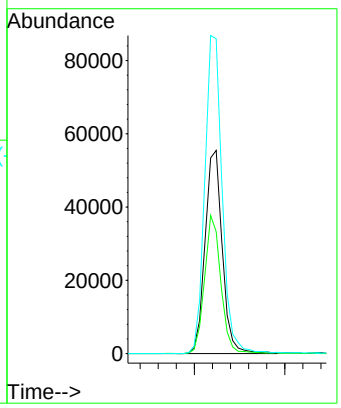




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX043982.D
Acq: 25 Nov 2024 13:31

Tgt Ion:152 Resp: 73448

Ion	Ratio	Lower	Upper
152	100		
115	64.6	45.4	136.2
150	158.4	0.0	353.0



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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-EVAL-03S-20241113	SDG No.:	P4846
Lab Sample ID:	P4846-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043959.D	1		11/22/24 14:57	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	2.00	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.38	J	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	69.8		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-EVAL-03S-20241113	SDG No.:	P4846
Lab Sample ID:	P4846-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043959.D	1		11/22/24 14:57	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.8		81 - 118		104%	SPK: 50
1868-53-7	Dibromofluoromethane	45.8		80 - 119		92%	SPK: 50
2037-26-5	Toluene-d8	49.1		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.0		85 - 114		96%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	112000	5.543				
540-36-3	1,4-Difluorobenzene	219000	6.757				
3114-55-4	Chlorobenzene-d5	193000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	76800	12.018				

Raw Data: **VX043959.D**

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-EVAL-03S-20241113	SDG No.:	P4846
Lab Sample ID:	P4846-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043959.D	1		11/22/24 14:57	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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

Sample Results: **VX043959.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043959.D
Acq On : 22 Nov 2024 14:57
Operator : JC/MD
Sample : P4846-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-03S-20241113

Quant Time: Nov 22 22:23:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	111846	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	219449	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	192930	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	76810	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	99420	51.826	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.660%			
35) Dibromofluoromethane	5.379	113	71893	45.848	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 91.700%			
50) Toluene-d8	8.647	98	265258	49.074	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.140%			
62) 4-Bromofluorobenzene	11.079	95	88331	48.017	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.040%			
Target Compounds						Qvalue
3) Chloromethane	1.294	50	433	0.290	ug/l	96
16) Acetone	2.379	43	1724	1.957	ug/l #	82
20) Methylene Chloride	2.782	84	562	0.376	ug/l #	85
44) Trichloroethene	7.122	130	120261	69.796	ug/l	91

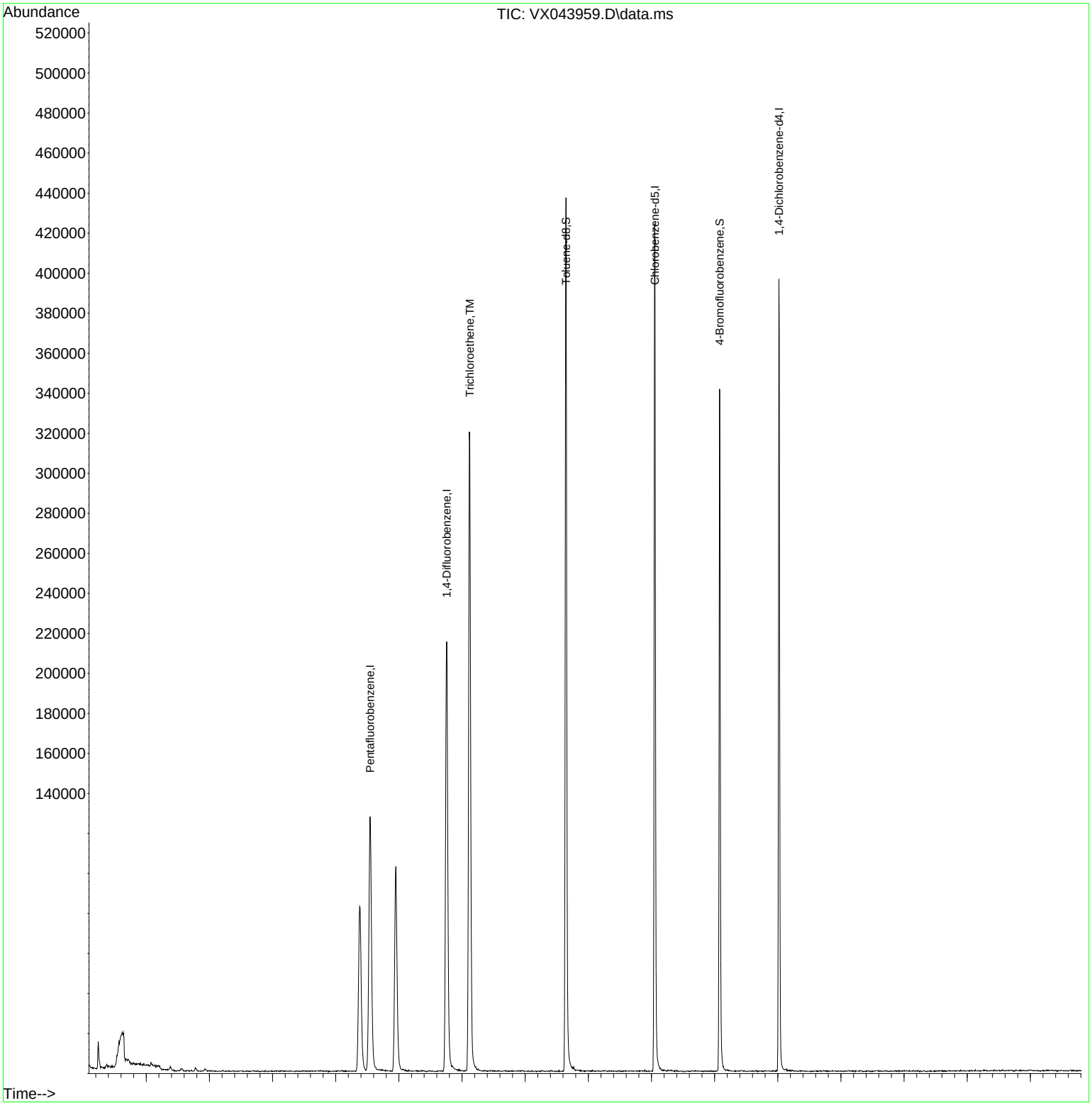
(#) = qualifier out of range (m) = manual integration (+) = signals summed

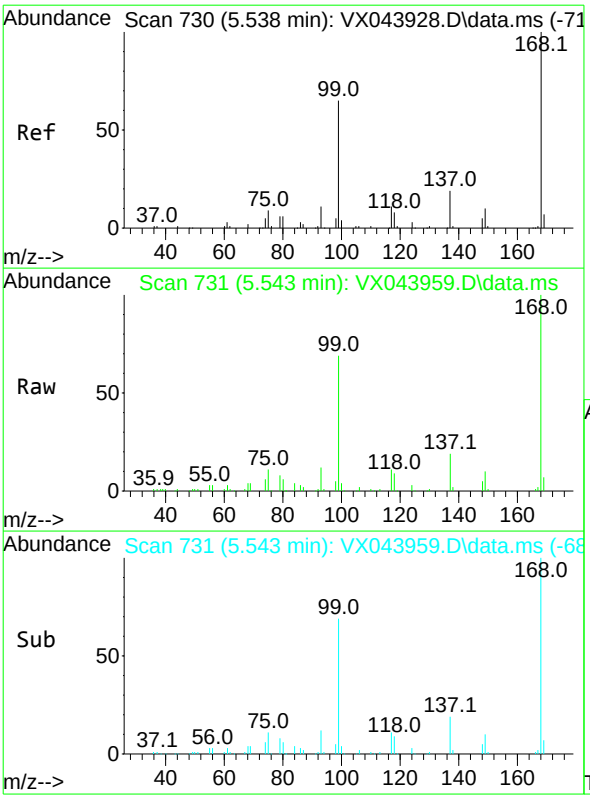
Sample Results: **VX043959.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043959.D
Acq On : 22 Nov 2024 14:57
Operator : JC/MD
Sample : P4846-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-03S-20241113

Quant Time: Nov 22 22:23:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



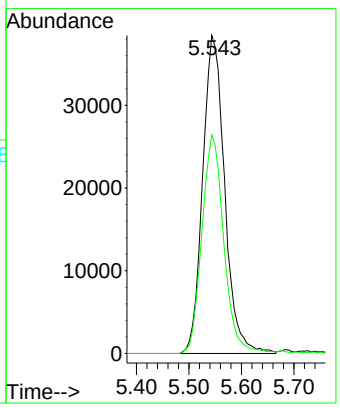


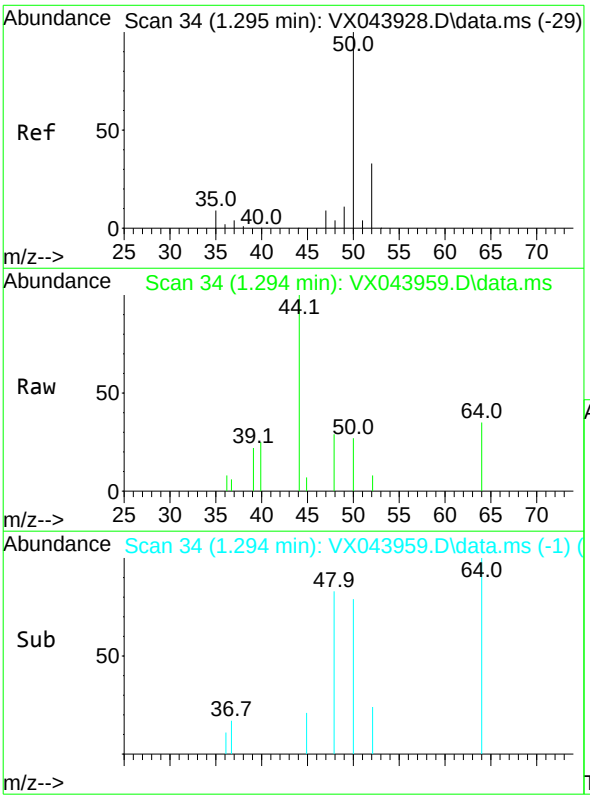
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 73
Delta R.T. 0.005 min
Lab File: VX043959.D
Acq: 22 Nov 2024 14:57

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-03S-20241113

Tgt Ion:168 Resp: 111846

Ion	Ratio	Lower	Upper
168	100		
99	68.7	51.8	77.8

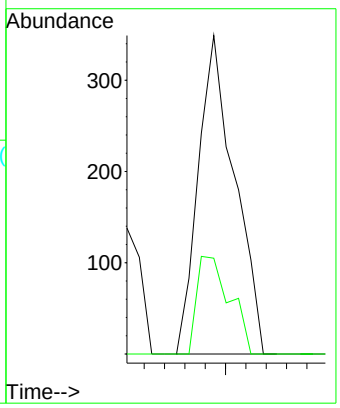


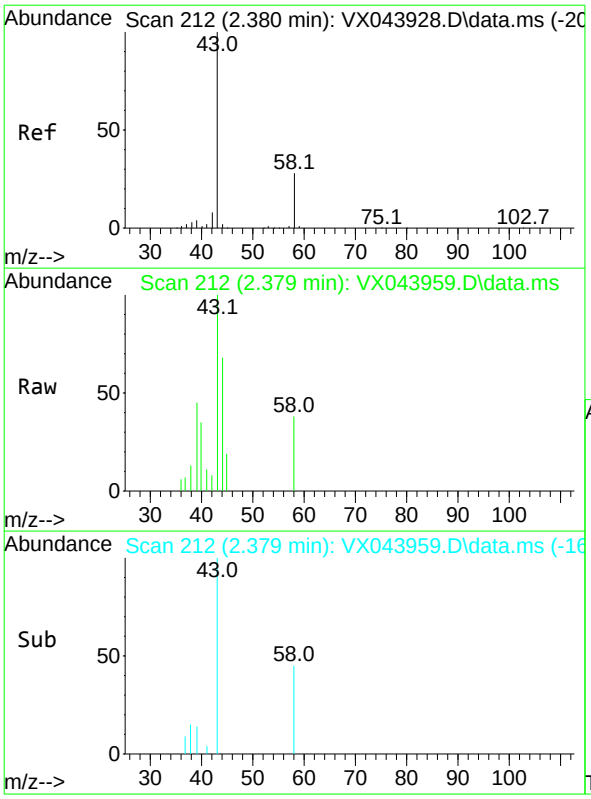


#3
Chloromethane
Concen: 0.290 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX043959.D
Acq: 22 Nov 2024 14:57

Tgt Ion: 50 Resp: 433

Ion	Ratio	Lower	Upper
50	100		
52	30.1	26.1	39.1



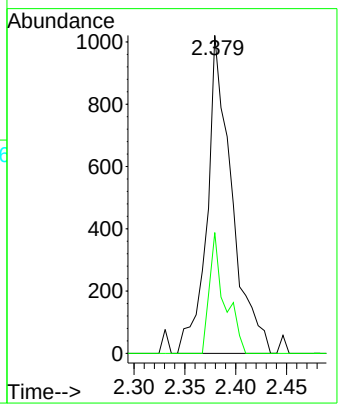


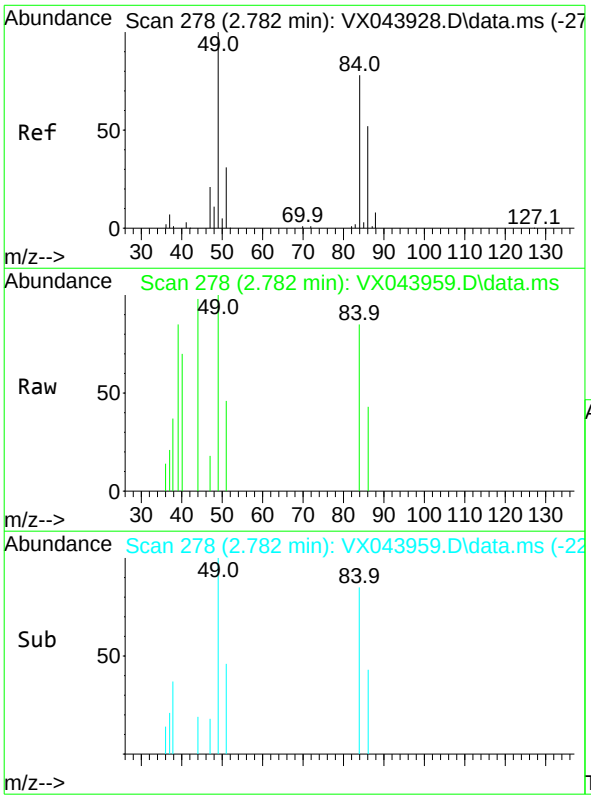
#16
Acetone
Concen: 1.957 ug/l
RT: 2.379 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX043959.D
Acq: 22 Nov 2024 14:57

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-03S-20241113

Tgt Ion: 43 Resp: 1724

Ion	Ratio	Lower	Upper
43	100		
58	38.0	22.7	34.1#

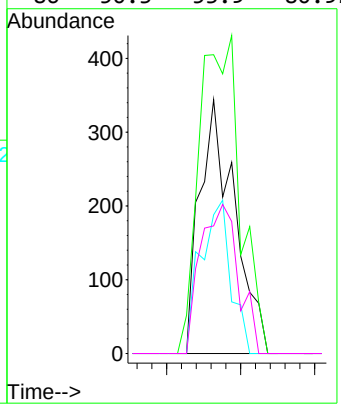


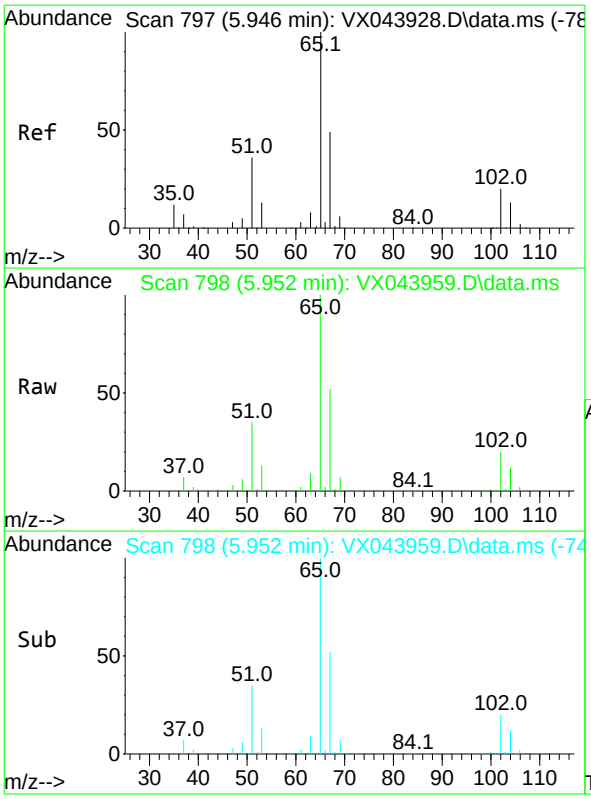


#20
Methylene Chloride
Concen: 0.376 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043959.D
Acq: 22 Nov 2024 14:57

Tgt Ion: 84 Resp: 562

Ion	Ratio	Lower	Upper
84	100		
49	117.7	102.7	154.1
51	54.7	31.7	47.5#
86	50.3	53.9	80.9#



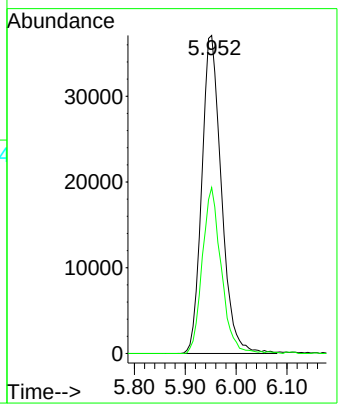


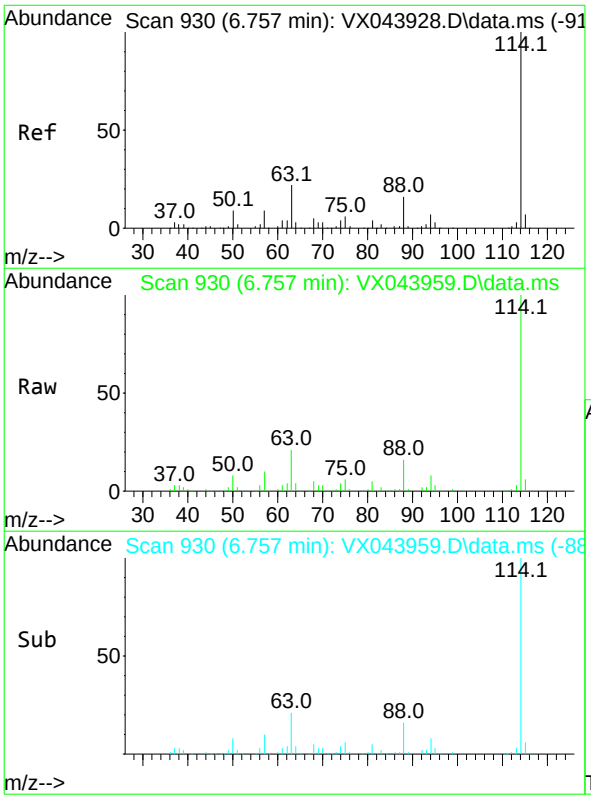
#33
1,2-Dichloroethane-d4
Concen: 51.826 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.006 min
Lab File: VX043959.D
Acq: 22 Nov 2024 14:57

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-03S-20241113

Tgt Ion: 65 Resp: 99420

Ion	Ratio	Lower	Upper
65	100		
67	50.2	0.0	100.8

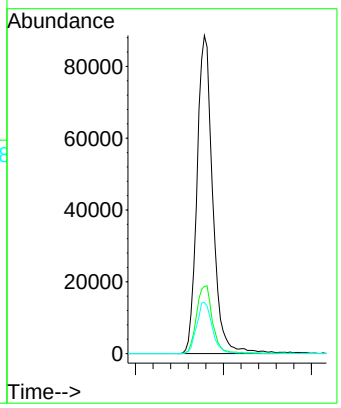


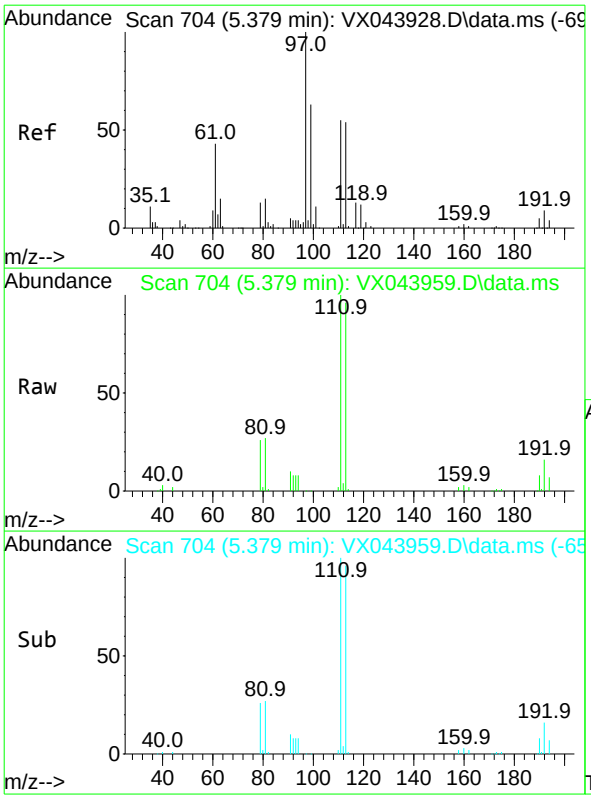


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043959.D
Acq: 22 Nov 2024 14:57

Tgt Ion:114 Resp: 219449

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	44.0
88	16.1	0.0	32.4



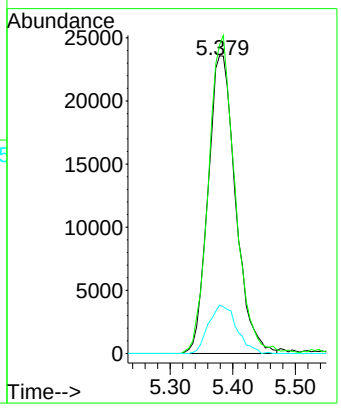


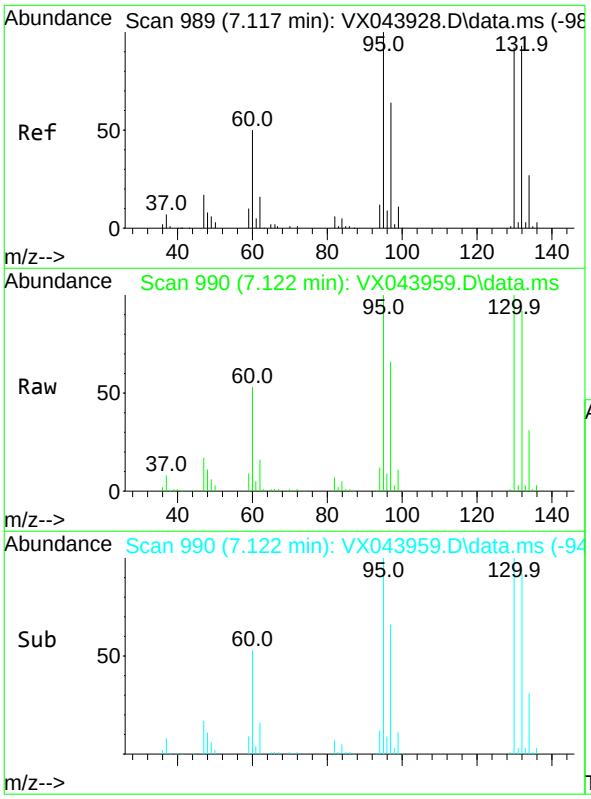
#35
Dibromofluoromethane
Concen: 45.848 ug/l
RT: 5.379 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX043959.D
Acq: 22 Nov 2024 14:57

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-03S-20241113

Tgt Ion:113 Resp: 71893

Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.0	121.4
192	16.6	13.0	19.6

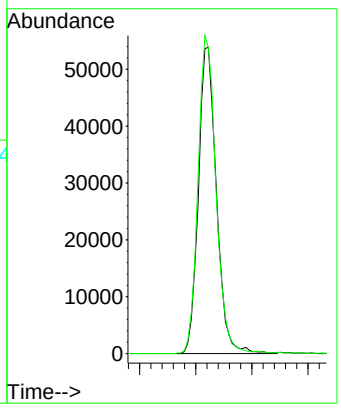


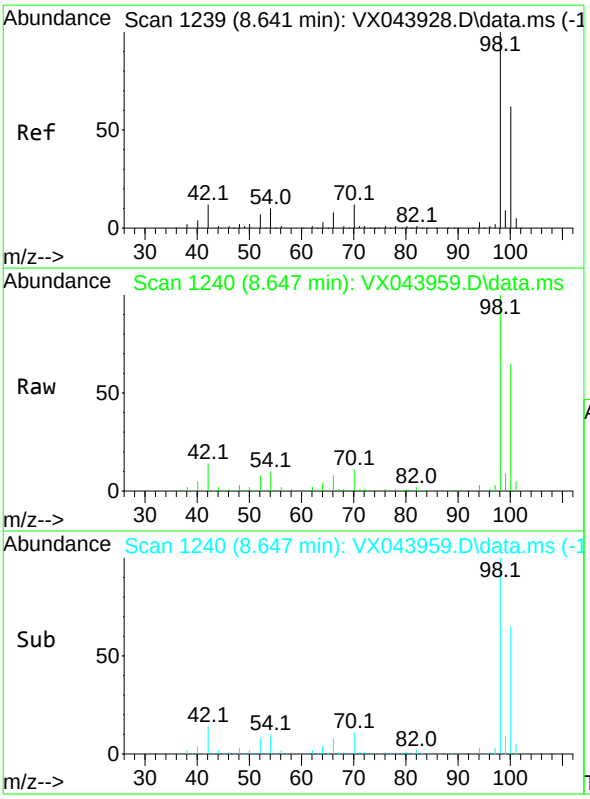


#44
Trichloroethene
Concen: 69.796 ug/l
RT: 7.122 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX043959.D
Acq: 22 Nov 2024 14:57

Tgt Ion:130 Resp: 120261

Ion	Ratio	Lower	Upper
130	100		
95	99.7	0.0	217.8



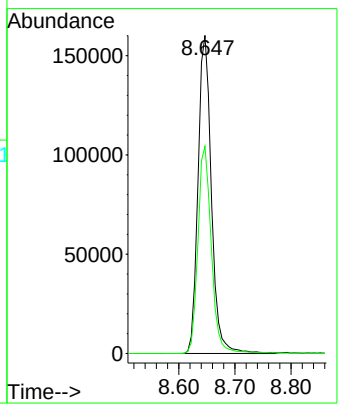


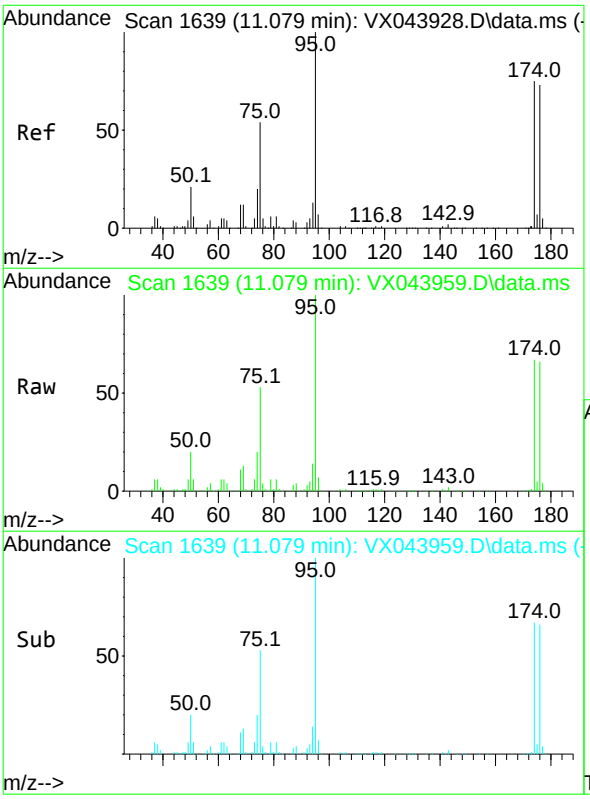
#50
Toluene-d8
Concen: 49.074 ug/l
RT: 8.647 min Scan# 12
Delta R.T. 0.006 min
Lab File: VX043959.D
Acq: 22 Nov 2024 14:57

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-03S-20241113

Tgt Ion: 98 Resp: 265258

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.6	79.0

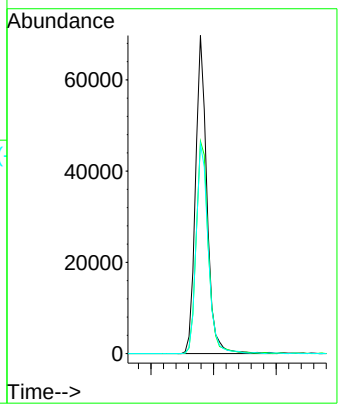


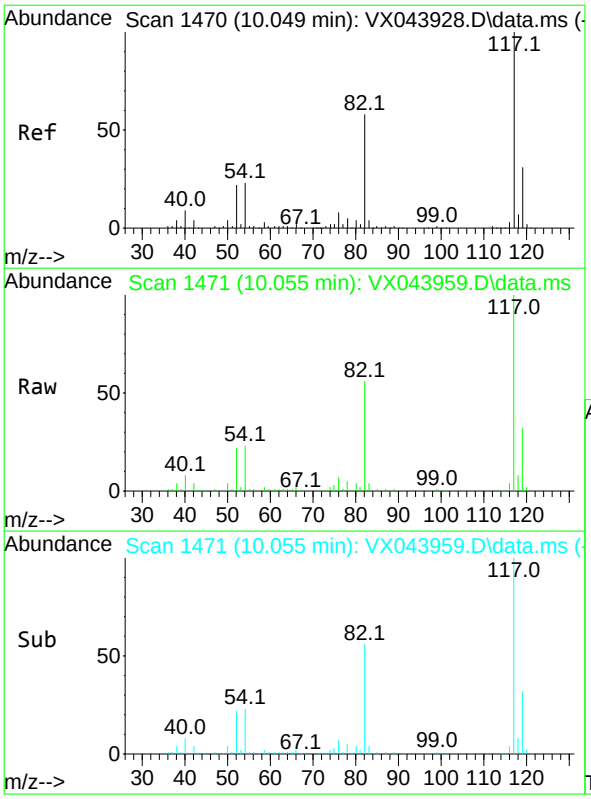


#62
4-Bromofluorobenzene
Concen: 48.017 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043959.D
Acq: 22 Nov 2024 14:57

Tgt Ion: 95 Resp: 88331

Ion	Ratio	Lower	Upper
95	100		
174	71.2	0.0	150.4
176	69.5	0.0	146.0



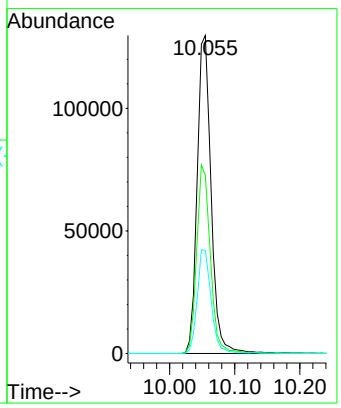


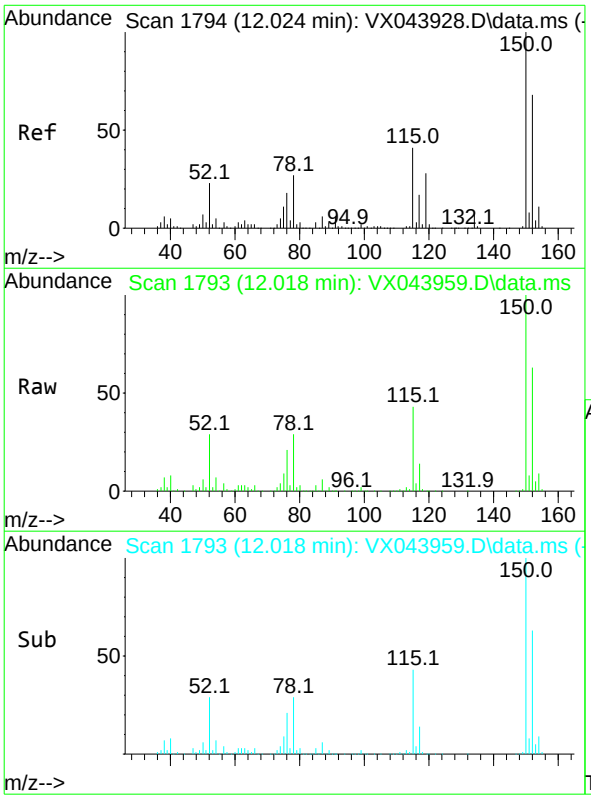
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043959.D
Acq: 22 Nov 2024 14:57

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-03S-20241113

Tgt Ion:117 Resp: 192930

Ion	Ratio	Lower	Upper
117	100		
82	56.0	46.4	69.6
119	32.5	24.6	37.0

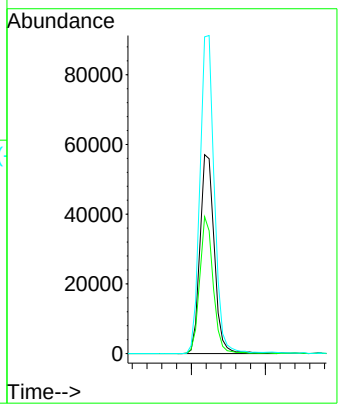




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043959.D
Acq: 22 Nov 2024 14:57

Tgt Ion:152 Resp: 76810

Ion	Ratio	Lower	Upper
152	100		
115	64.6	45.4	136.2
150	160.6	0.0	353.0



Sample Results: **VX043959.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043959.D
Acq On : 22 Nov 2024 14:57
Operator : JC/MD
Sample : P4846-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-03S-20241113

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\82X112124W.M
Title : SW846 8260

Signal : TIC: VX043959.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.239	21	25	31	rBV	13712	17627	2.41%	0.385%
2	1.617	67	87	90	rBV5	17401	86167	11.80%	1.884%
3	5.379	693	704	720	rBV	82411	248266	34.01%	5.429%
4	5.543	720	731	750	rVV	126939	370196	50.72%	8.096%
5	5.952	789	798	814	rBV	102353	270838	37.10%	5.923%
6	6.757	920	930	943	rBV2	214949	532094	72.90%	11.636%
7	7.116	982	989	1004	rBV	319339	717721	98.33%	15.695%
8	8.647	1233	1240	1255	rBV	436688	729945	100.00%	15.963%
9	10.049	1465	1470	1489	rBV	423749	635841	87.11%	13.905%
10	11.079	1634	1639	1652	rBV	340579	443809	60.80%	9.705%
11	12.018	1788	1793	1807	rBV	395891	520348	71.29%	11.379%

Sum of corrected areas: 4572852

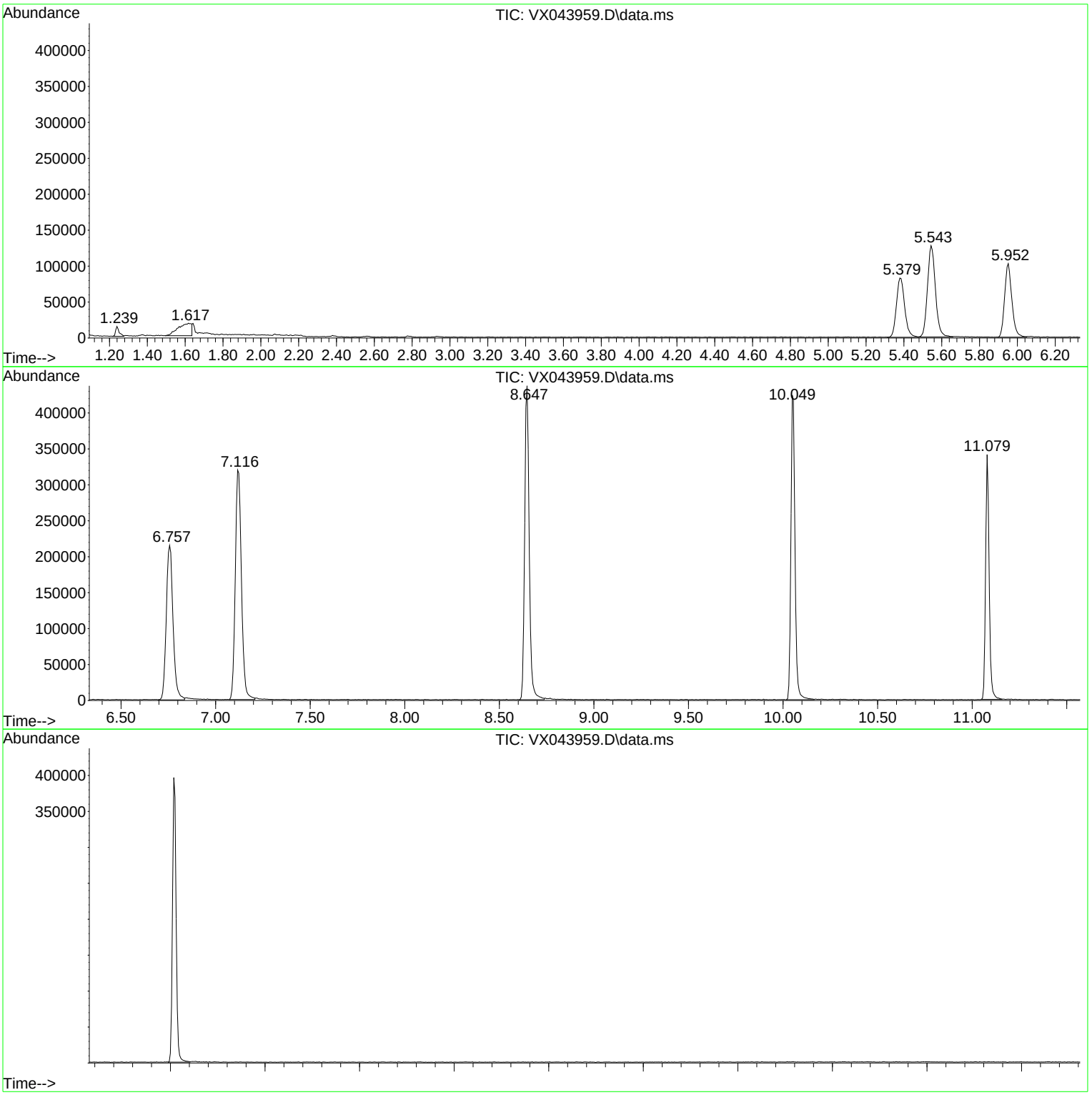
Sample Results: **VX043959.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043959.D
Acq On : 22 Nov 2024 14:57
Operator : JC/MD
Sample : P4846-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-03S-20241113

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VX043959.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043959.D
Acq On : 22 Nov 2024 14:57
Operator : JC/MD
Sample : P4846-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-03S-20241113

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.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\VX112224\
Data File : VX043959.D
Acq On : 22 Nov 2024 14:57
Operator : JC/MD
Sample : P4846-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-03S-20241113

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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

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

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-FD-3-20241113	SDG No.:	P4846
Lab Sample ID:	P4846-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043970.D	1		11/22/24 19:10	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	1.70	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	70.3		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-FD-3-20241113	SDG No.:	P4846
Lab Sample ID:	P4846-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043970.D	1		11/22/24 19:10	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.2		81 - 118		104%	SPK: 50
1868-53-7	Dibromofluoromethane	46.8		80 - 119		94%	SPK: 50
2037-26-5	Toluene-d8	50.3		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.4		85 - 114		97%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	108000	5.55				
540-36-3	1,4-Difluorobenzene	210000	6.757				
3114-55-4	Chlorobenzene-d5	187000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	75000	12.024				

Raw Data: **VX043970.D**

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-FD-3-20241113	SDG No.:	P4846
Lab Sample ID:	P4846-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043970.D	1		11/22/24 19:10	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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

Sample Results: **VX043970.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043970.D
Acq On : 22 Nov 2024 19:10
Operator : JC/MD
Sample : P4846-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-FD-3-20241113

Quant Time: Nov 22 22:29:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

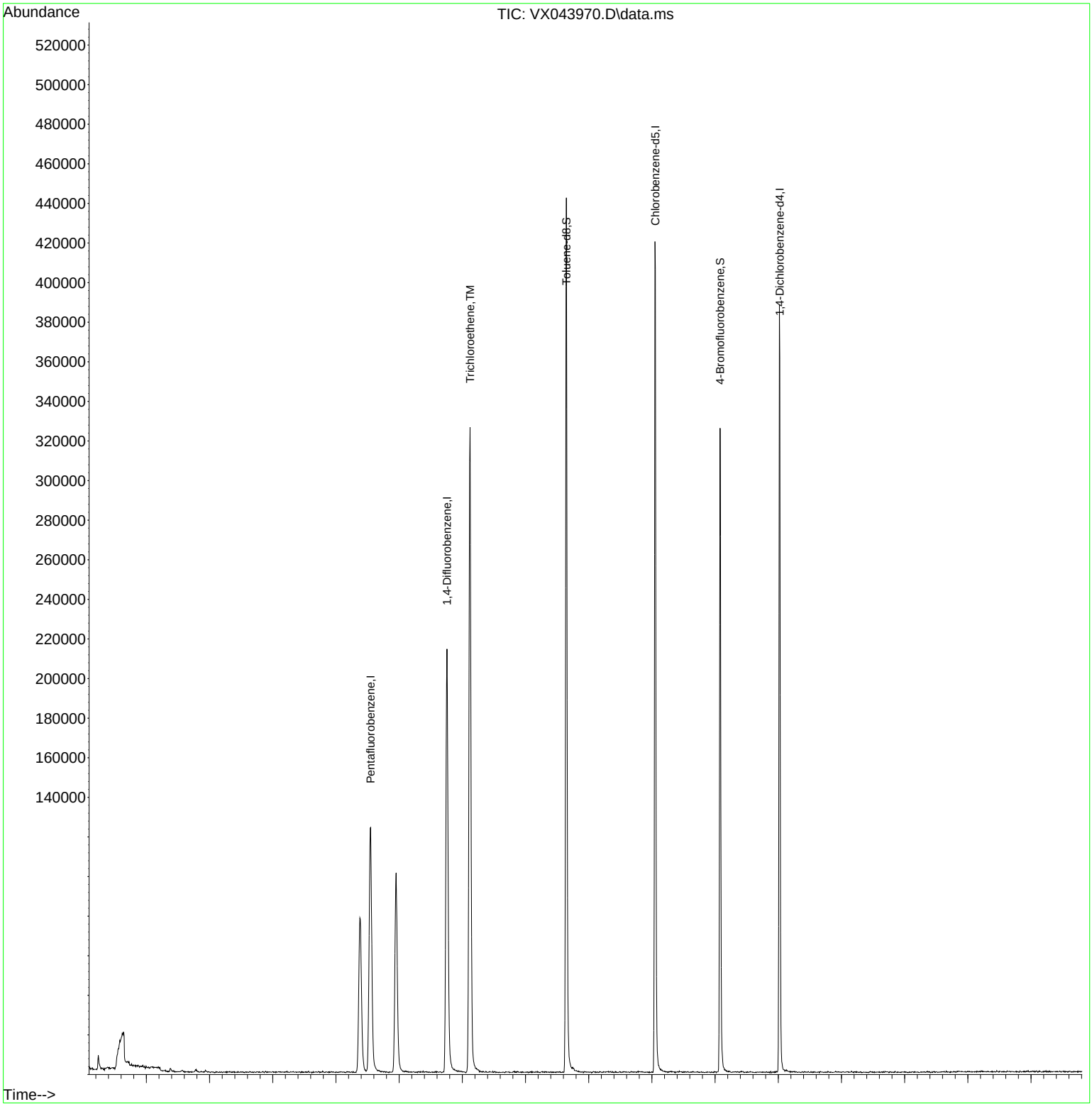
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	107821	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.757	114	209572	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	187307	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	74961	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	96608	52.240	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.480%			
35) Dibromofluoromethane	5.379	113	70047	46.776	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.560%			
50) Toluene-d8	8.647	98	259557	50.282	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.560%			
62) 4-Bromofluorobenzene	11.079	95	84958	48.360	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.720%			
Target Compounds						Qvalue
16) Acetone	2.380	43	1439	1.694	ug/l #	77
44) Trichloroethene	7.123	130	115707	70.318	ug/l	92

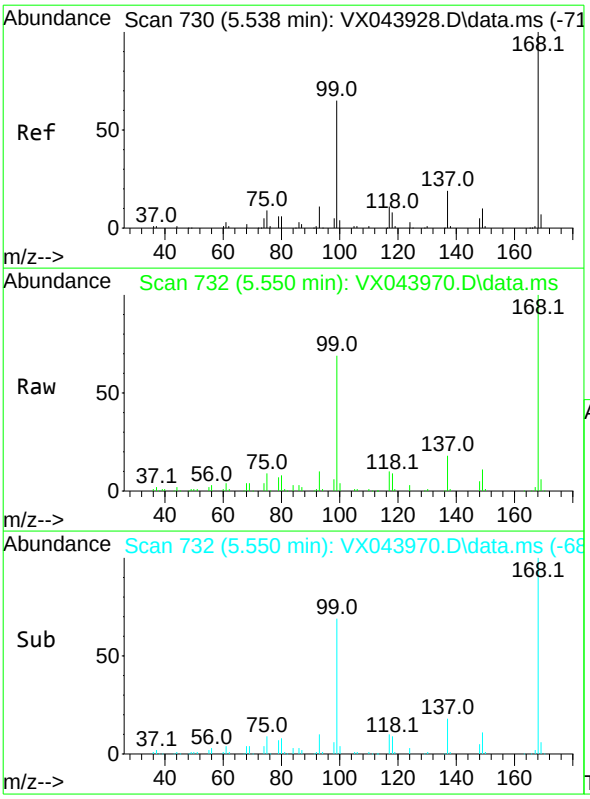
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043970.D
Acq On : 22 Nov 2024 19:10
Operator : JC/MD
Sample : P4846-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-FD-3-20241113

Quant Time: Nov 22 22:29:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



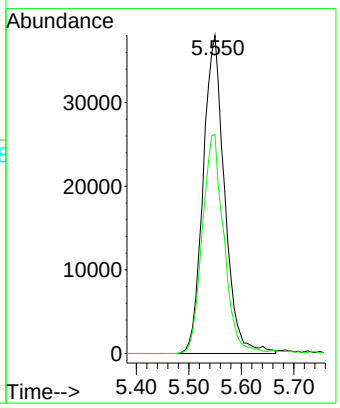


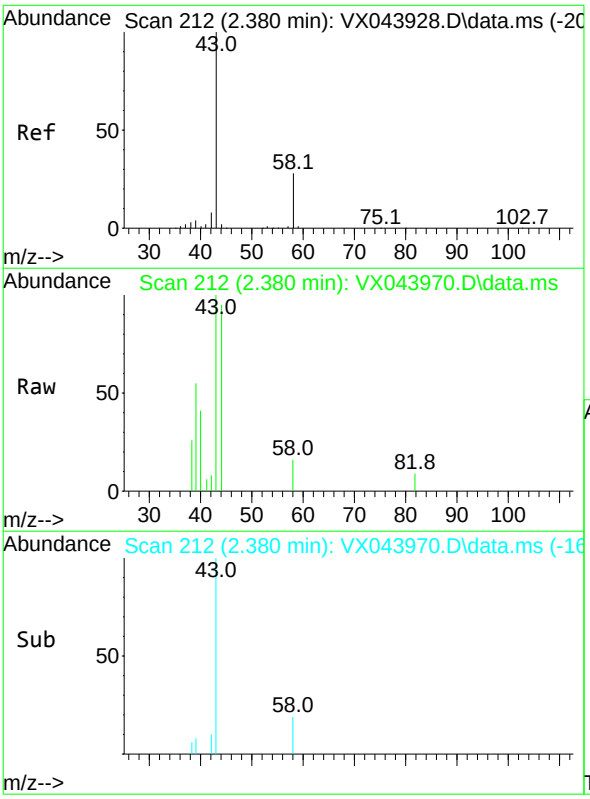
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. 0.012 min
Lab File: VX043970.D
Acq: 22 Nov 2024 19:10

Instrument :
MSVOA_X
ClientSampleId :
FSND-FD-3-20241113

Tgt Ion:168 Resp: 107821

Ion	Ratio	Lower	Upper
168	100		
99	68.8	51.8	77.8

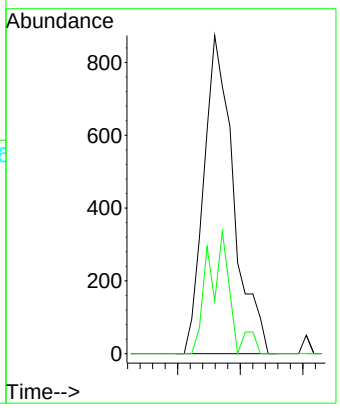


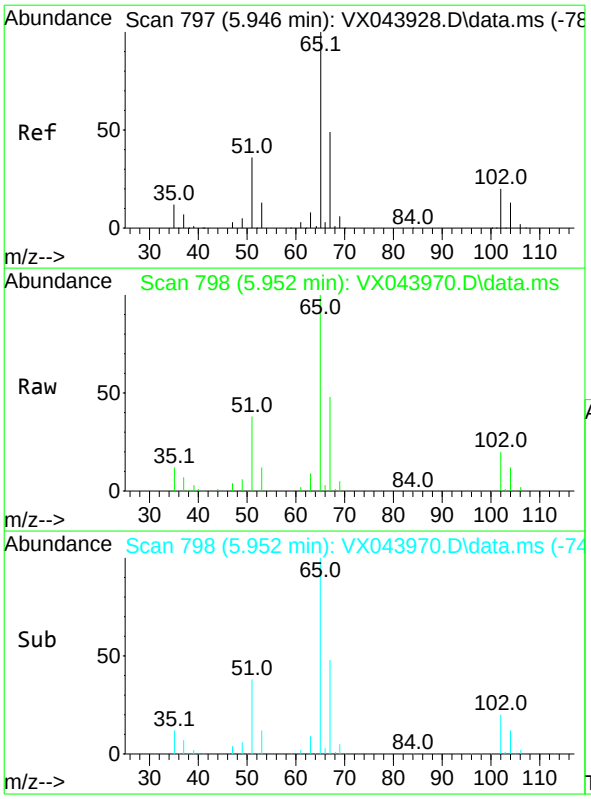


#16
Acetone
Concen: 1.694 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX043970.D
Acq: 22 Nov 2024 19:10

Tgt Ion: 43 Resp: 1439

Ion	Ratio	Lower	Upper
43	100		
58	16.5	22.7	34.1#



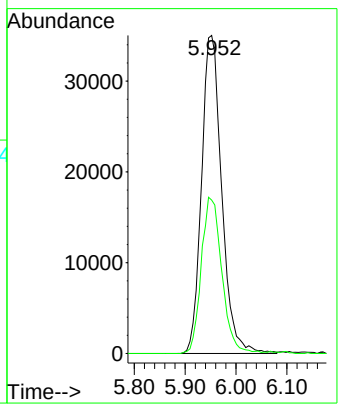


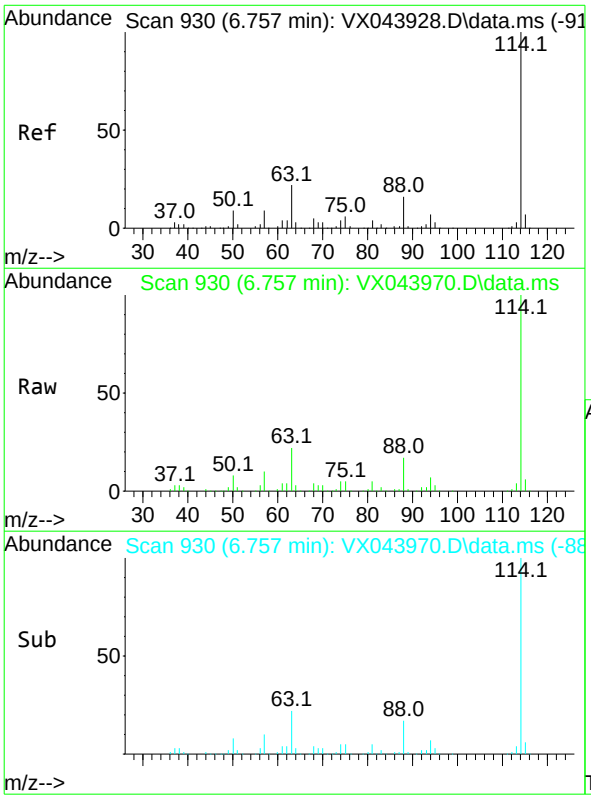
#33
1,2-Dichloroethane-d4
Concen: 52.240 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.006 min
Lab File: VX043970.D
Acq: 22 Nov 2024 19:10

Instrument :
MSVOA_X
ClientSampleId :
FSND-FD-3-20241113

Tgt Ion: 65 Resp: 96608

Ion	Ratio	Lower	Upper
65	100		
67	50.0	0.0	100.8

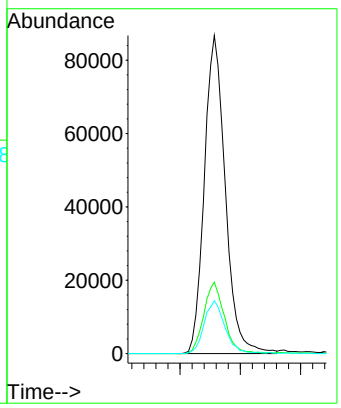


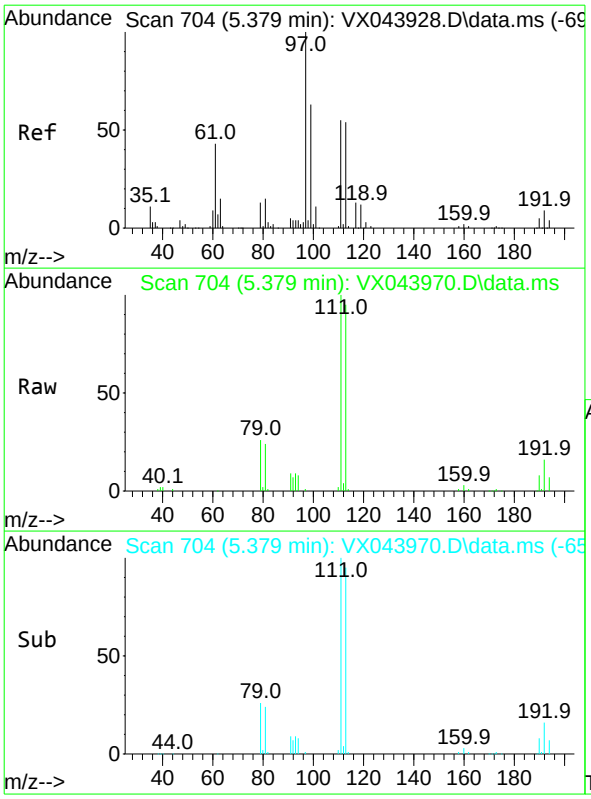


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043970.D
Acq: 22 Nov 2024 19:10

Tgt Ion:114 Resp: 209572

Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	44.0
88	16.6	0.0	32.4



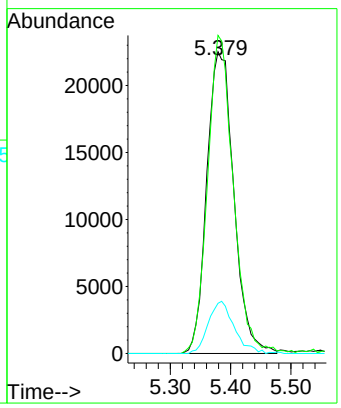


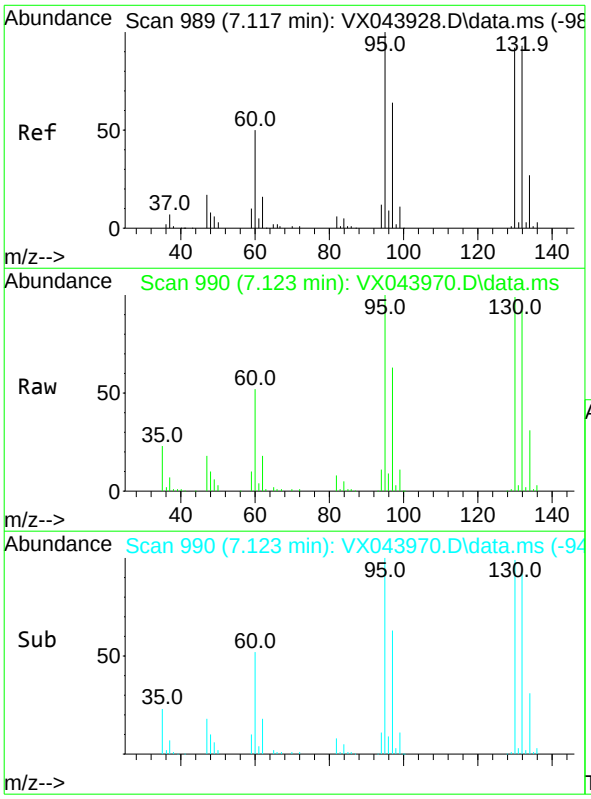
#35
Dibromofluoromethane
Concen: 46.776 ug/l
RT: 5.379 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX043970.D
Acq: 22 Nov 2024 19:10

Instrument :
MSVOA_X
ClientSampleId :
FSND-FD-3-20241113

Tgt Ion:113 Resp: 70047

Ion	Ratio	Lower	Upper
113	100		
111	100.4	81.0	121.4
192	16.7	13.0	19.6

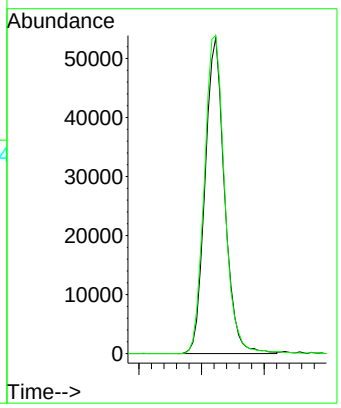


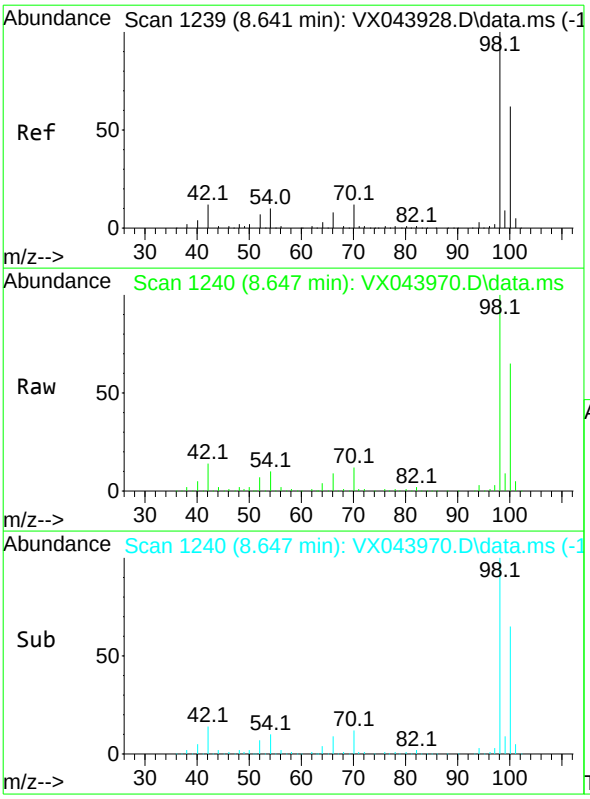


#44
Trichloroethene
Concen: 70.318 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX043970.D
Acq: 22 Nov 2024 19:10

Tgt Ion:130 Resp: 115707

Ion	Ratio	Lower	Upper
130	100		
95	100.7	0.0	217.8



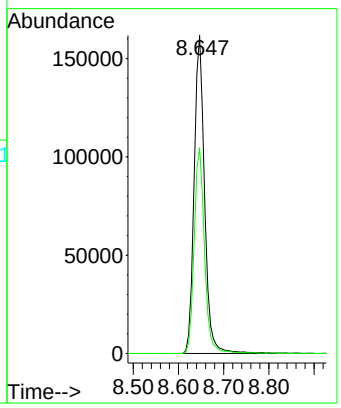


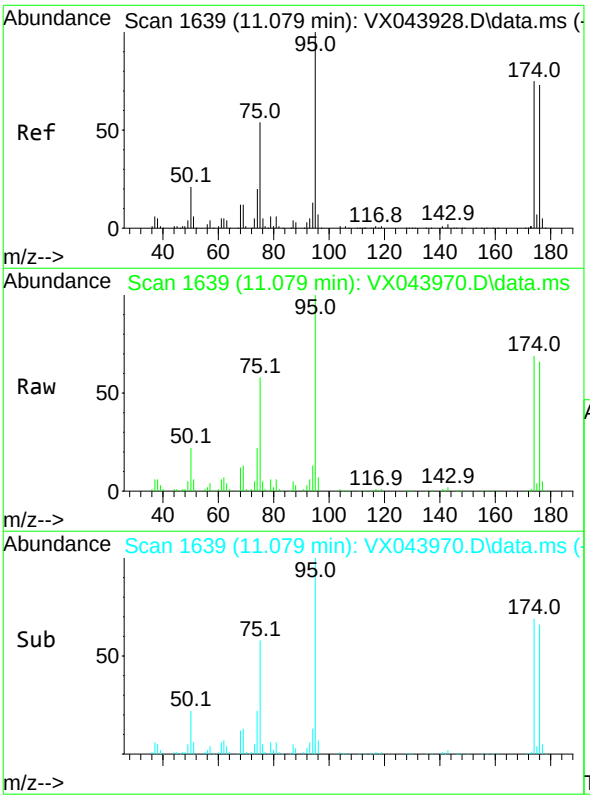
#50
Toluene-d8
Concen: 50.282 ug/l
RT: 8.647 min Scan# 12
Delta R.T. 0.006 min
Lab File: VX043970.D
Acq: 22 Nov 2024 19:10

Instrument :
MSVOA_X
ClientSampleId :
FSND-FD-3-20241113

Tgt Ion: 98 Resp: 259557

Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.6	79.0

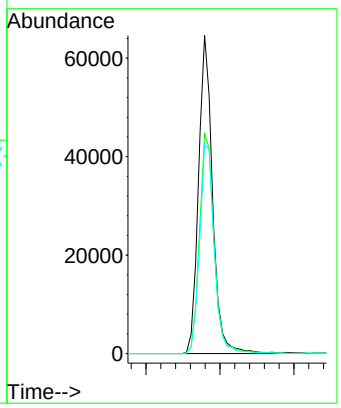


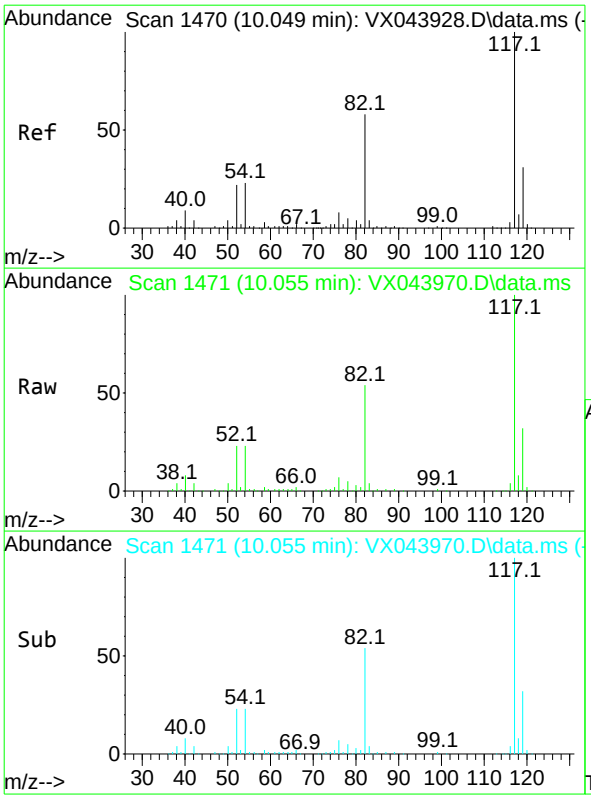


#62
4-Bromofluorobenzene
Concen: 48.360 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043970.D
Acq: 22 Nov 2024 19:10

Tgt Ion: 95 Resp: 84958

Ion	Ratio	Lower	Upper
95	100		
174	72.1	0.0	150.4
176	69.2	0.0	146.0



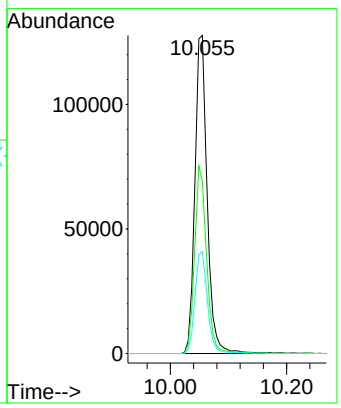


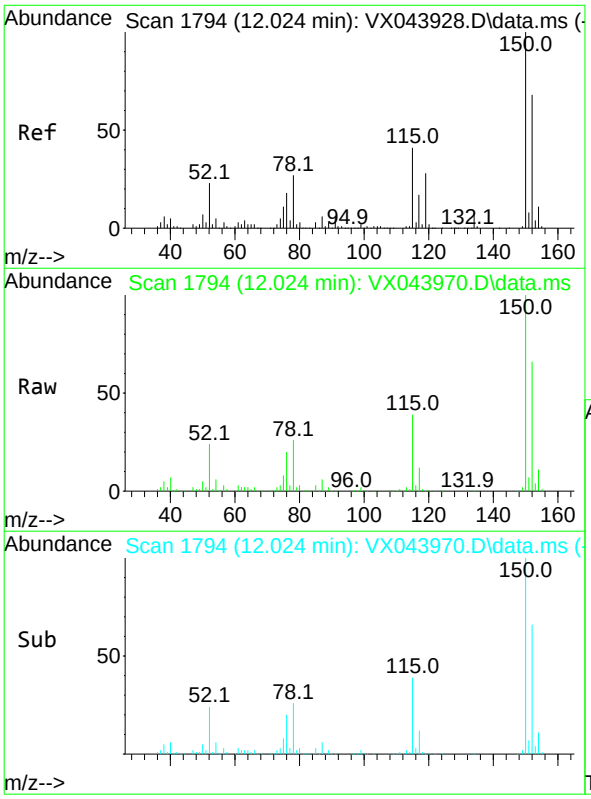
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043970.D
Acq: 22 Nov 2024 19:10

Instrument :
MSVOA_X
ClientSampleId :
FSND-FD-3-20241113

Tgt Ion:117 Resp: 187307

Ion	Ratio	Lower	Upper
117	100		
82	54.2	46.4	69.6
119	32.0	24.6	37.0

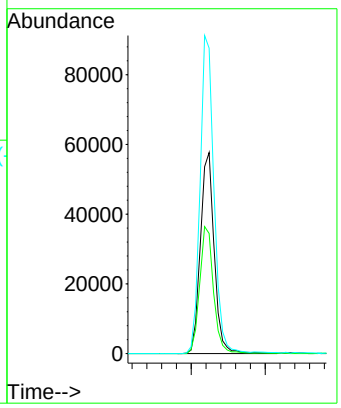




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX043970.D
Acq: 22 Nov 2024 19:10

Tgt Ion:152 Resp: 74961

Ion	Ratio	Lower	Upper
152	100		
115	63.6	45.4	136.2
150	158.1	0.0	353.0



Sample Results: **VX043970.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043970.D
Acq On : 22 Nov 2024 19:10
Operator : JC/MD
Sample : P4846-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-FD-3-20241113

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\82X112124W.M
Title : SW846 8260

Signal : TIC: VX043970.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.240	21	25	32	rBV3	7190	10643	1.48%	0.242%
2	1.557	68	77	78	rBV3	10360	21689	3.02%	0.494%
3	5.379	694	704	717	rBV	78102	237234	33.05%	5.399%
4	5.550	720	732	751	rVV	123249	361284	50.34%	8.222%
5	5.952	787	798	815	rBV	100685	267668	37.29%	6.092%
6	6.757	922	930	949	rBV	213698	517573	72.12%	11.779%
7	7.123	979	990	1004	rBV	326139	717705	100.00%	16.334%
8	8.647	1233	1240	1254	rBV	441829	707601	98.59%	16.104%
9	10.049	1465	1470	1487	rBV	419674	618044	86.11%	14.066%
10	11.079	1634	1639	1651	rBV	325138	430593	60.00%	9.800%
11	12.018	1788	1793	1804	rBV	387471	503981	70.22%	11.470%

Sum of corrected areas: 4394015

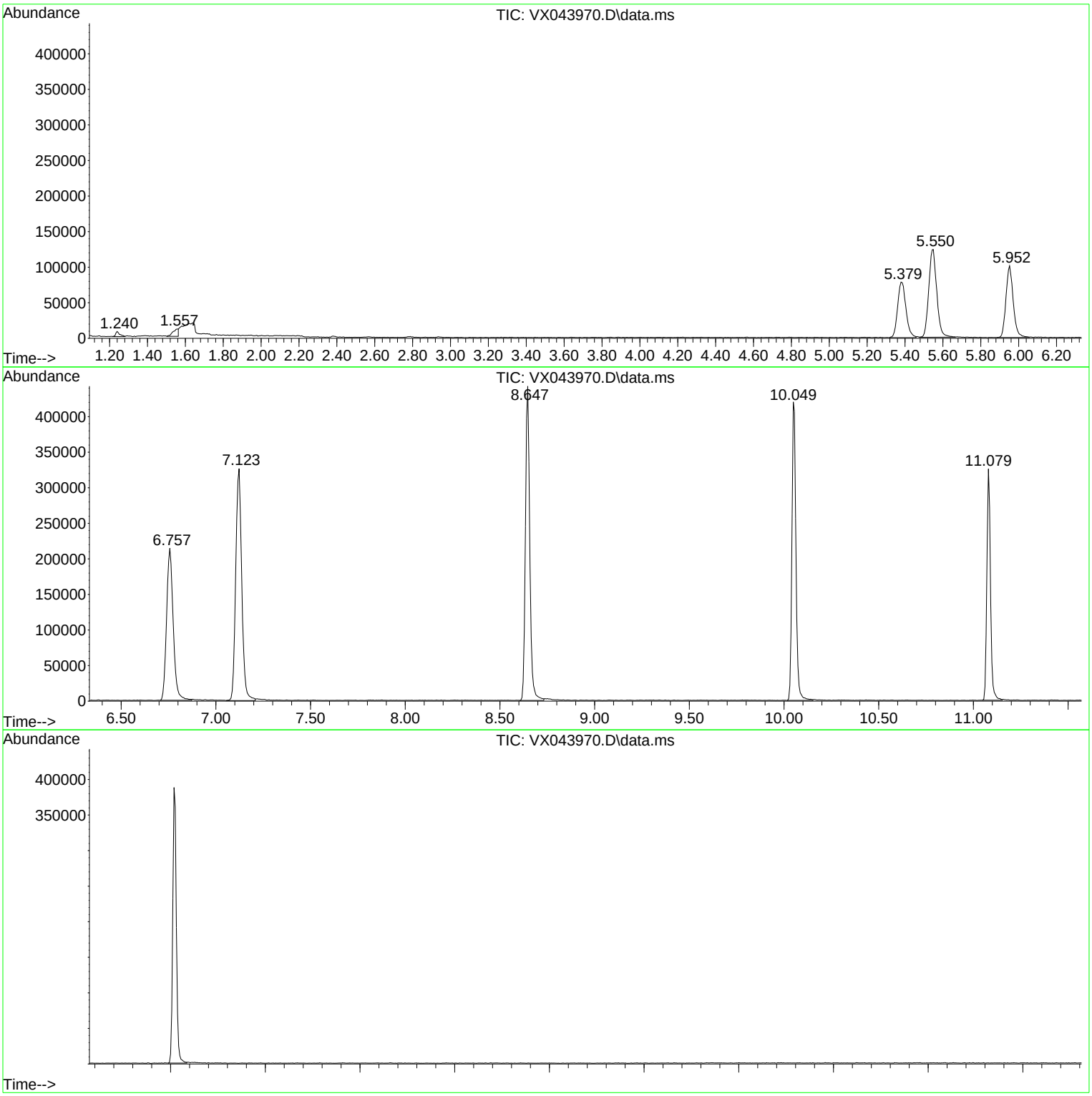
Sample Results: **VX043970.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043970.D
Acq On : 22 Nov 2024 19:10
Operator : JC/MD
Sample : P4846-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-FD-3-20241113

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VX043970.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043970.D
Acq On : 22 Nov 2024 19:10
Operator : JC/MD
Sample : P4846-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-FD-3-20241113

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.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\VX112224\
Data File : VX043970.D
Acq On : 22 Nov 2024 19:10
Operator : JC/MD
Sample : P4846-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-FD-3-20241113

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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

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

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-EVAL-04S-20241113	SDG No.:	P4846
Lab Sample ID:	P4846-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043961.D	1		11/22/24 15:43	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	2.30	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	1.10		0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	44.9		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

Raw Data: **VX043961.D**

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-EVAL-04S-20241113	SDG No.:	P4846
Lab Sample ID:	P4846-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043961.D	1		11/22/24 15:43	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.7		81 - 118		103%	SPK: 50
1868-53-7	Dibromofluoromethane	48.0		80 - 119		96%	SPK: 50
2037-26-5	Toluene-d8	50.4		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.9		85 - 114		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	113000	5.544				
540-36-3	1,4-Difluorobenzene	215000	6.757				
3114-55-4	Chlorobenzene-d5	191000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	79000	12.024				
TENTATIVE IDENTIFIED COMPOUNDS							

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-EVAL-04S-20241113	SDG No.:	P4846
Lab Sample ID:	P4846-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043961.D	1		11/22/24 15:43	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
	unknown1.599	8.00	J			1.60	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

Sample Results: **VX043961.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043961.D
Acq On : 22 Nov 2024 15:43
Operator : JC/MD
Sample : P4846-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04S-20241113

Quant Time: Nov 22 22:24:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

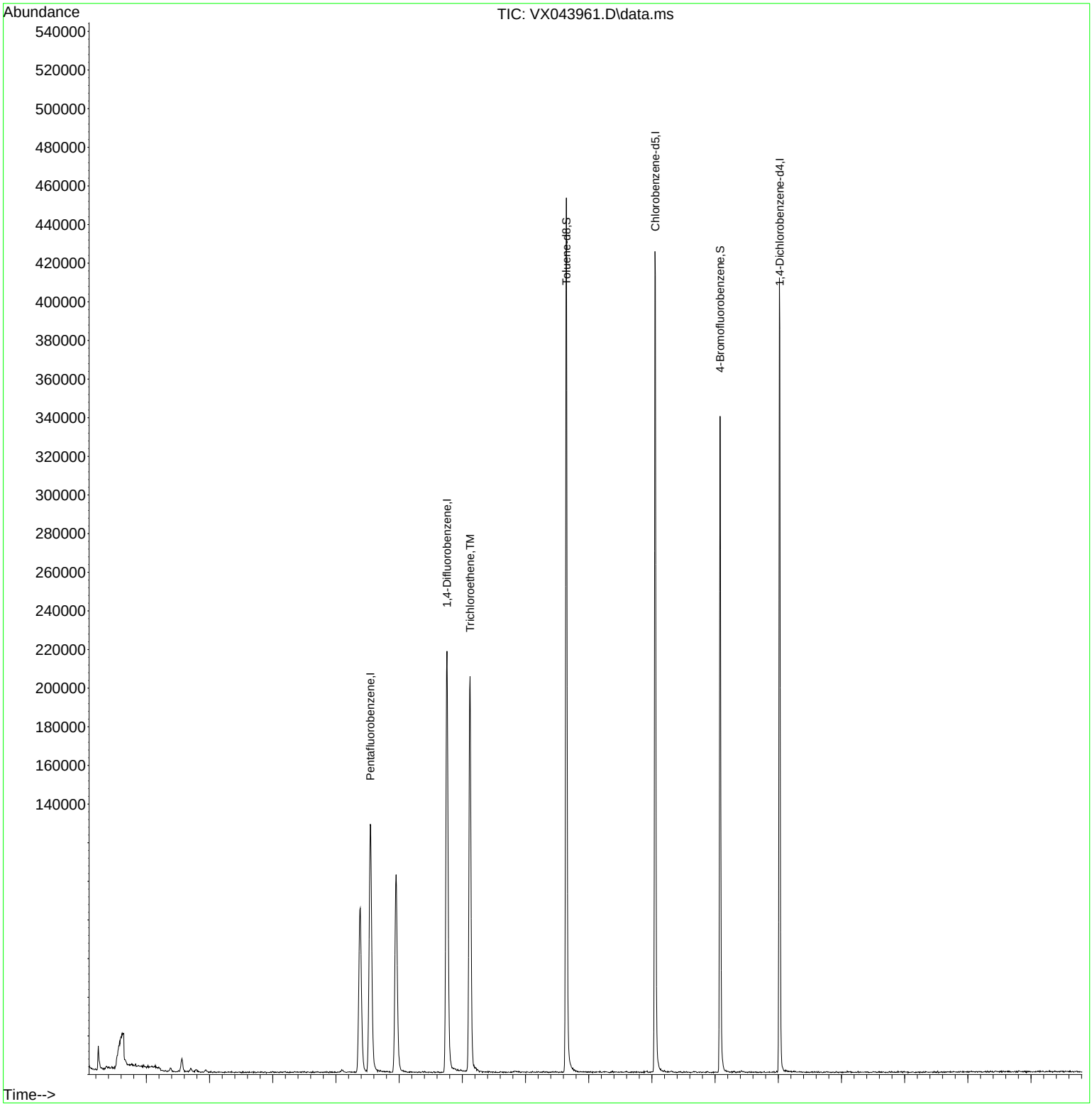
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	112636	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	215010	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	191411	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	79010	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	99949	51.736	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.480%			
35) Dibromofluoromethane	5.379	113	73785	48.026	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.060%			
50) Toluene-d8	8.647	98	267075	50.430	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.860%			
62) 4-Bromofluorobenzene	11.079	95	89890	49.873	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.740%			
Target Compounds						Qvalue
16) Acetone	2.379	43	2054	2.315	ug/l	92
18) Methyl Acetate	2.703	43	2299	1.113	ug/l	98
44) Trichloroethene	7.123	130	75798	44.899	ug/l	95

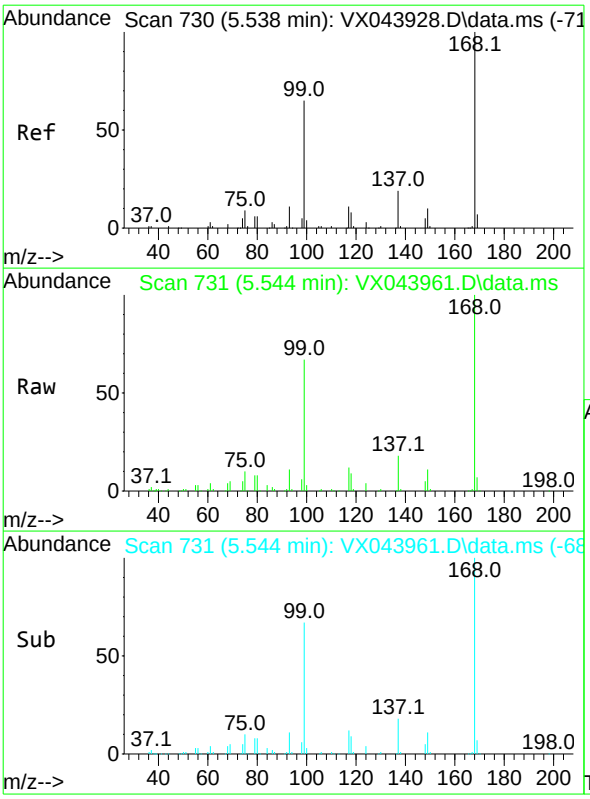
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043961.D
Acq On : 22 Nov 2024 15:43
Operator : JC/MD
Sample : P4846-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04S-20241113

Quant Time: Nov 22 22:24:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



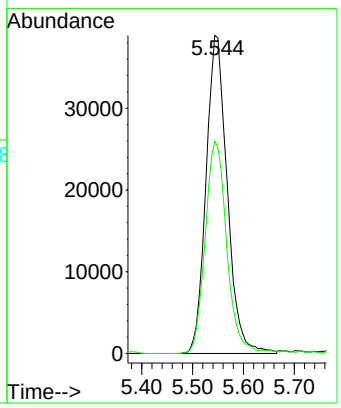


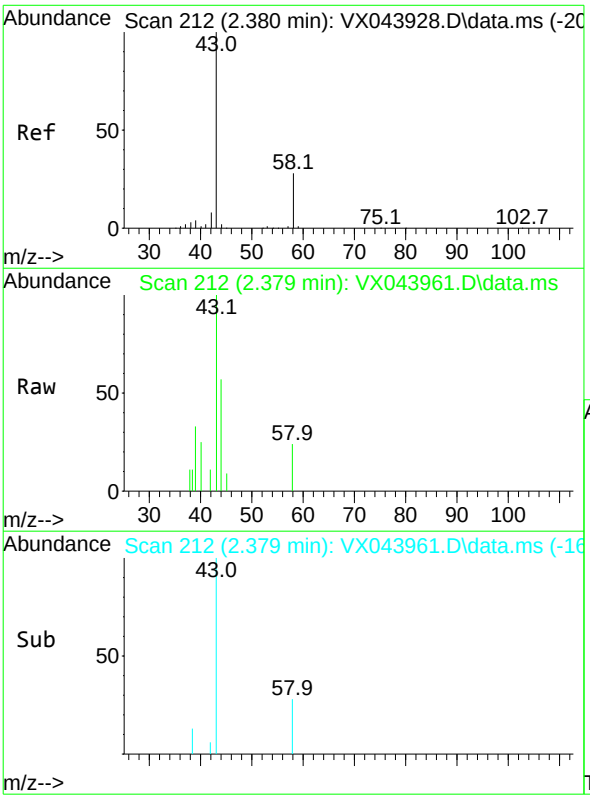
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. 0.006 min
Lab File: VX043961.D
Acq: 22 Nov 2024 15:43

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04S-20241113

Tgt Ion:168 Resp: 112636

Ion	Ratio	Lower	Upper
168	100		
99	66.8	51.8	77.8

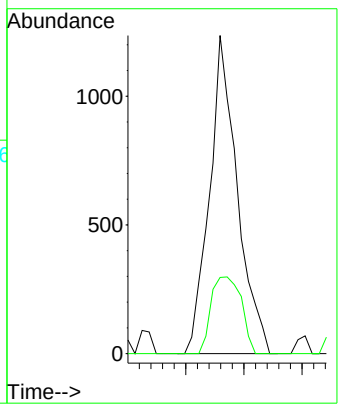


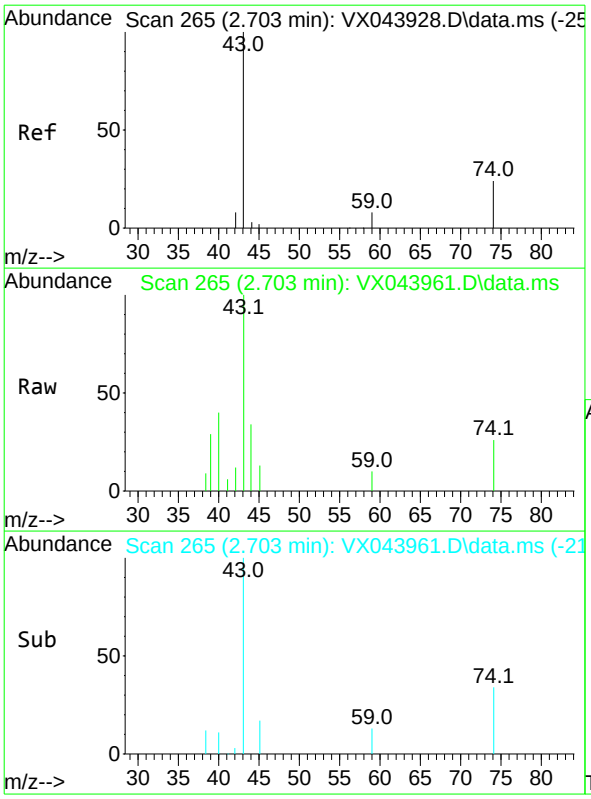


#16
Acetone
Concen: 2.315 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX043961.D
Acq: 22 Nov 2024 15:43

Tgt Ion: 43 Resp: 2054

Ion	Ratio	Lower	Upper
43	100		
58	23.9	22.7	34.1



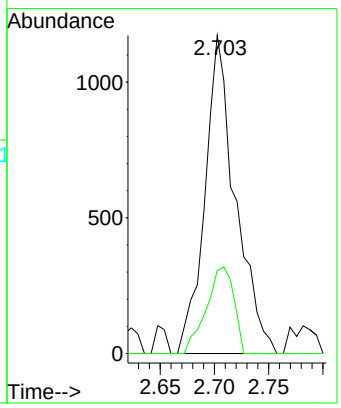


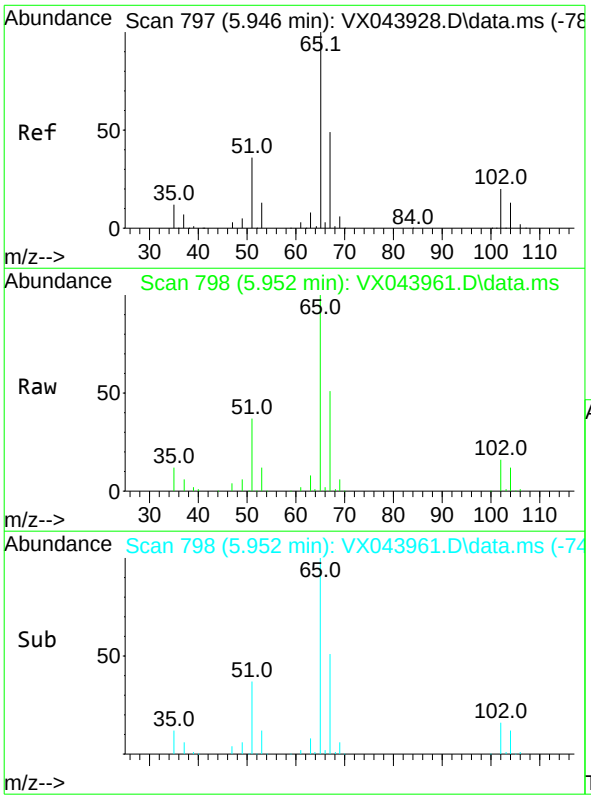
#18
Methyl Acetate
Concen: 1.113 ug/l
RT: 2.703 min Scan# 26
Delta R.T. -0.000 min
Lab File: VX043961.D
Acq: 22 Nov 2024 15:43

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04S-20241113

Tgt Ion: 43 Resp: 2299

Ion	Ratio	Lower	Upper
43	100		
74	24.4	18.9	28.3

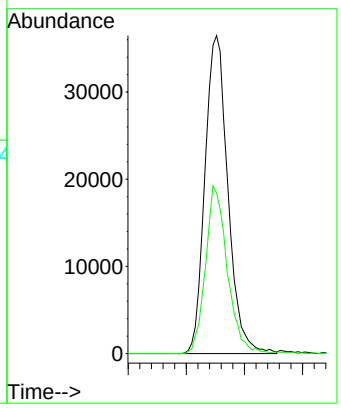


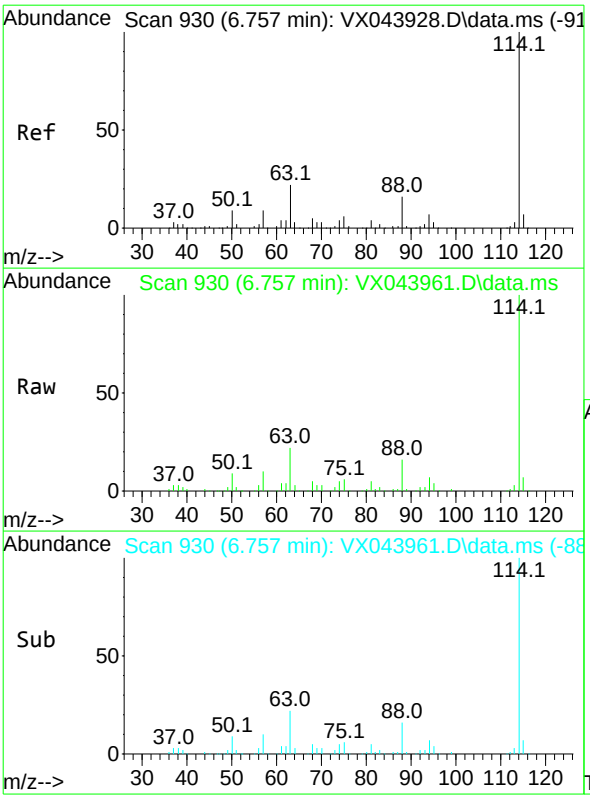


#33
1,2-Dichloroethane-d4
Concen: 51.736 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX043961.D
Acq: 22 Nov 2024 15:43

Tgt Ion: 65 Resp: 99949

Ion	Ratio	Lower	Upper
65	100		
67	50.0	0.0	100.8



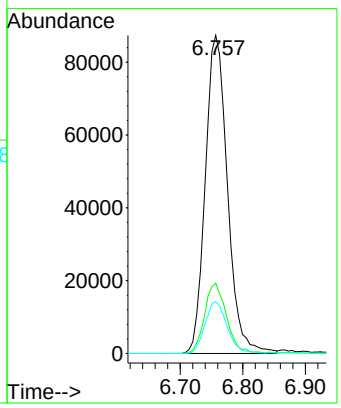


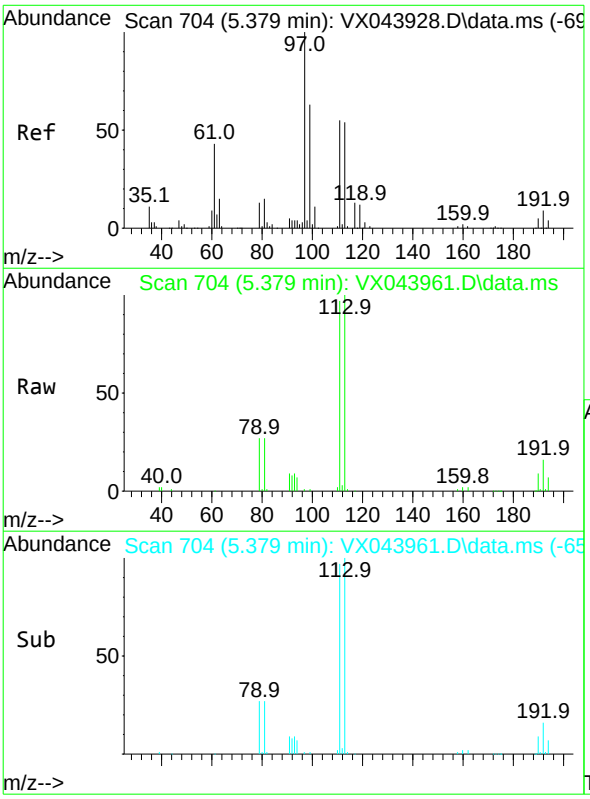
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. -0.000 min
Lab File: VX043961.D
Acq: 22 Nov 2024 15:43

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04S-20241113

Tgt Ion:114 Resp: 215010

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	44.0
88	16.3	0.0	32.4

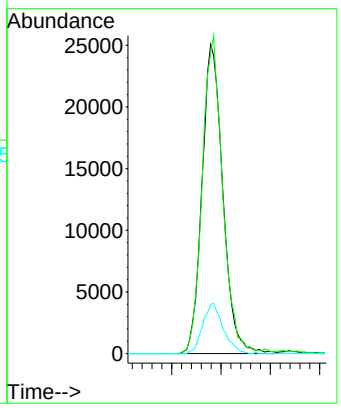


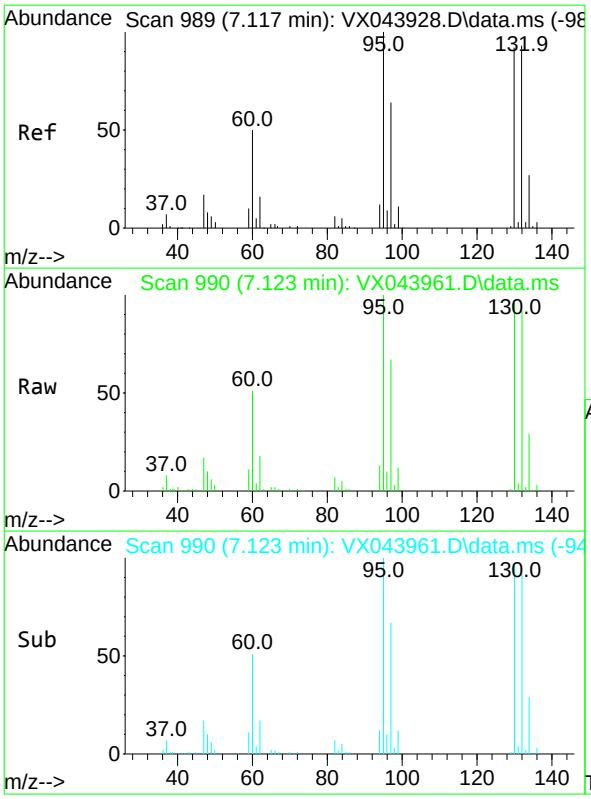


#35
Dibromofluoromethane
Concen: 48.026 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX043961.D
Acq: 22 Nov 2024 15:43

Tgt Ion:113 Resp: 73785

Ion	Ratio	Lower	Upper
113	100		
111	100.2	81.0	121.4
192	15.9	13.0	19.6



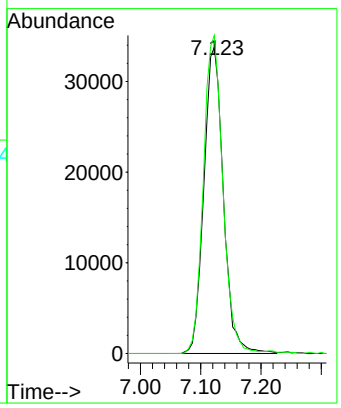


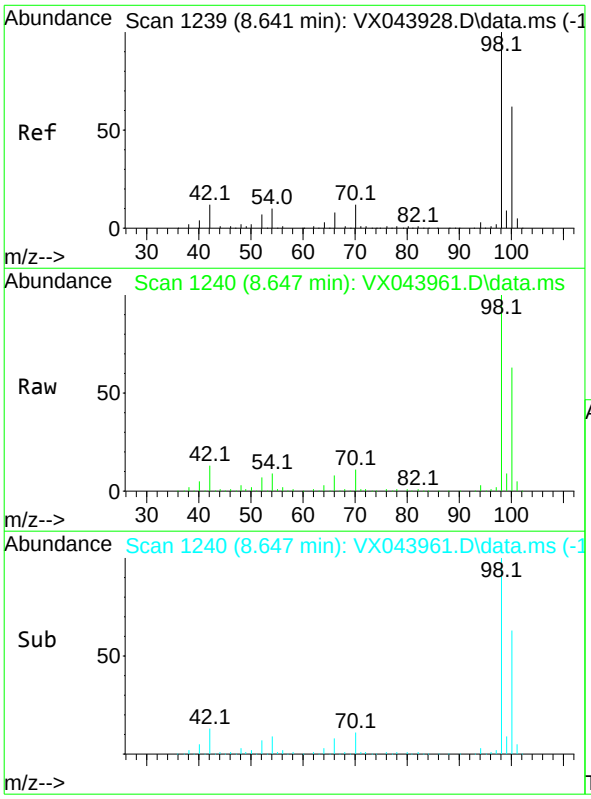
#44
Trichloroethene
Concen: 44.899 ug/l
RT: 7.123 min Scan# 99
Delta R.T. 0.006 min
Lab File: VX043961.D
Acq: 22 Nov 2024 15:43

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04S-20241113

Tgt Ion:130 Resp: 75798

Ion	Ratio	Lower	Upper
130	100		
95	103.9	0.0	217.8

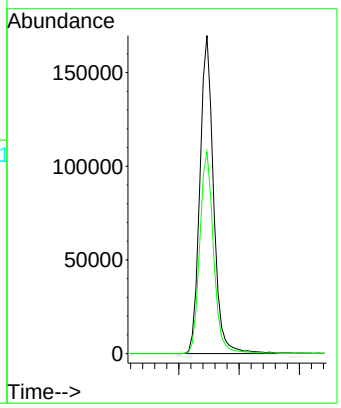


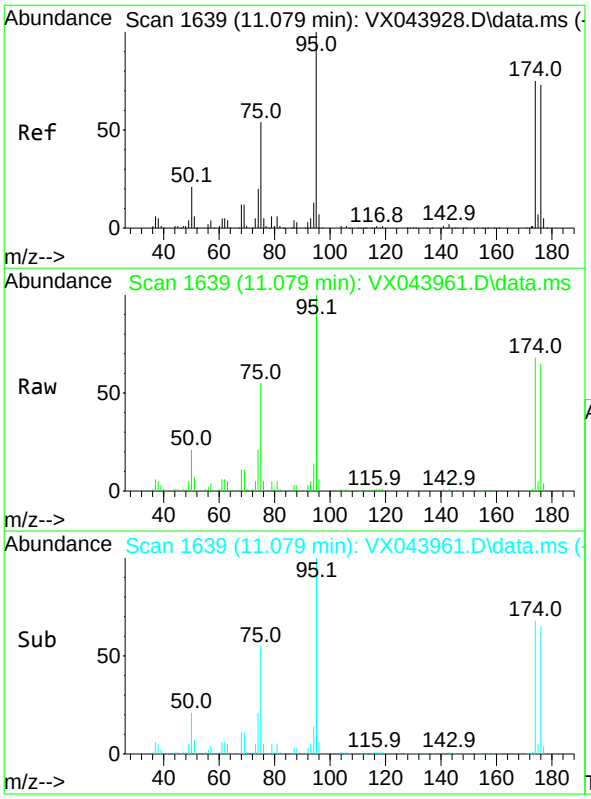


#50
Toluene-d8
Concen: 50.430 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043961.D
Acq: 22 Nov 2024 15:43

Tgt Ion: 98 Resp: 267075

Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.6	79.0



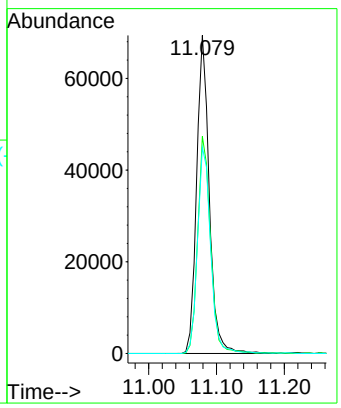


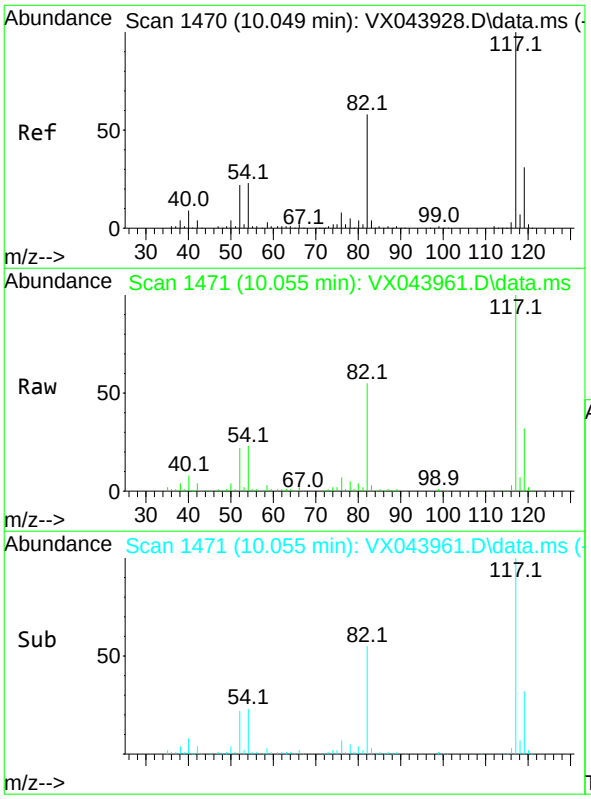
#62
4-Bromofluorobenzene
Concen: 49.873 ug/l
RT: 11.079 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043961.D
Acq: 22 Nov 2024 15:43

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04S-20241113

Tgt Ion: 95 Resp: 89890

Ion	Ratio	Lower	Upper
95	100		
174	69.2	0.0	150.4
176	67.4	0.0	146.0

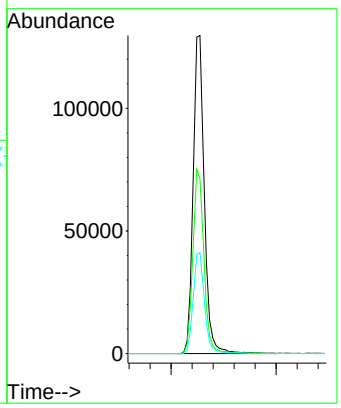


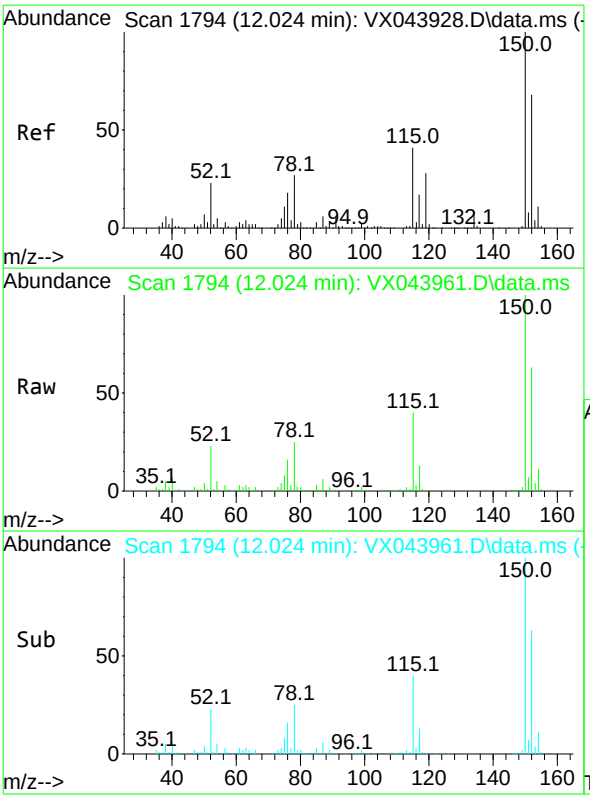


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX043961.D
Acq: 22 Nov 2024 15:43

Tgt Ion:117 Resp: 191411

Ion	Ratio	Lower	Upper
117	100		
82	55.0	46.4	69.6
119	31.8	24.6	37.0



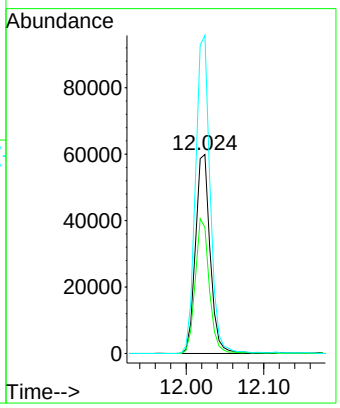


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043961.D
Acq: 22 Nov 2024 15:43

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04S-20241113

Tgt Ion:152 Resp: 79010

Ion	Ratio	Lower	Upper
152	100		
115	64.9	45.4	136.2
150	158.5	0.0	353.0



Sample Results: **VX043961.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043961.D
Acq On : 22 Nov 2024 15:43
Operator : JC/MD
Sample : P4846-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04S-20241113

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\82X112124W.M
Title : SW846 8260

Signal : TIC: VX043961.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.239	21	25	32	rBV	12512	17095	2.33%	0.396%
2	1.599	68	84	85	rBV4	16385	58260	7.95%	1.351%
3	2.562	236	242	249	rVB2	6864	14546	1.98%	0.337%
4	5.385	693	705	719	rBV	85158	250967	34.23%	5.819%
5	5.544	722	731	747	rBV	127910	366555	49.99%	8.499%
6	5.952	788	798	815	rBV2	102331	275415	37.56%	6.385%
7	6.757	920	930	947	rBV	217995	533145	72.71%	12.361%
8	7.123	981	990	1002	rBV	204342	457333	62.37%	10.603%
9	8.647	1232	1240	1256	rBV	452739	733255	100.00%	17.001%
10	10.049	1465	1470	1484	rBV	424609	625778	85.34%	14.509%
11	11.079	1634	1639	1652	rBV	339569	448741	61.20%	10.404%
12	12.018	1788	1793	1805	rBV	411320	532044	72.56%	12.335%

Sum of corrected areas: 4313134

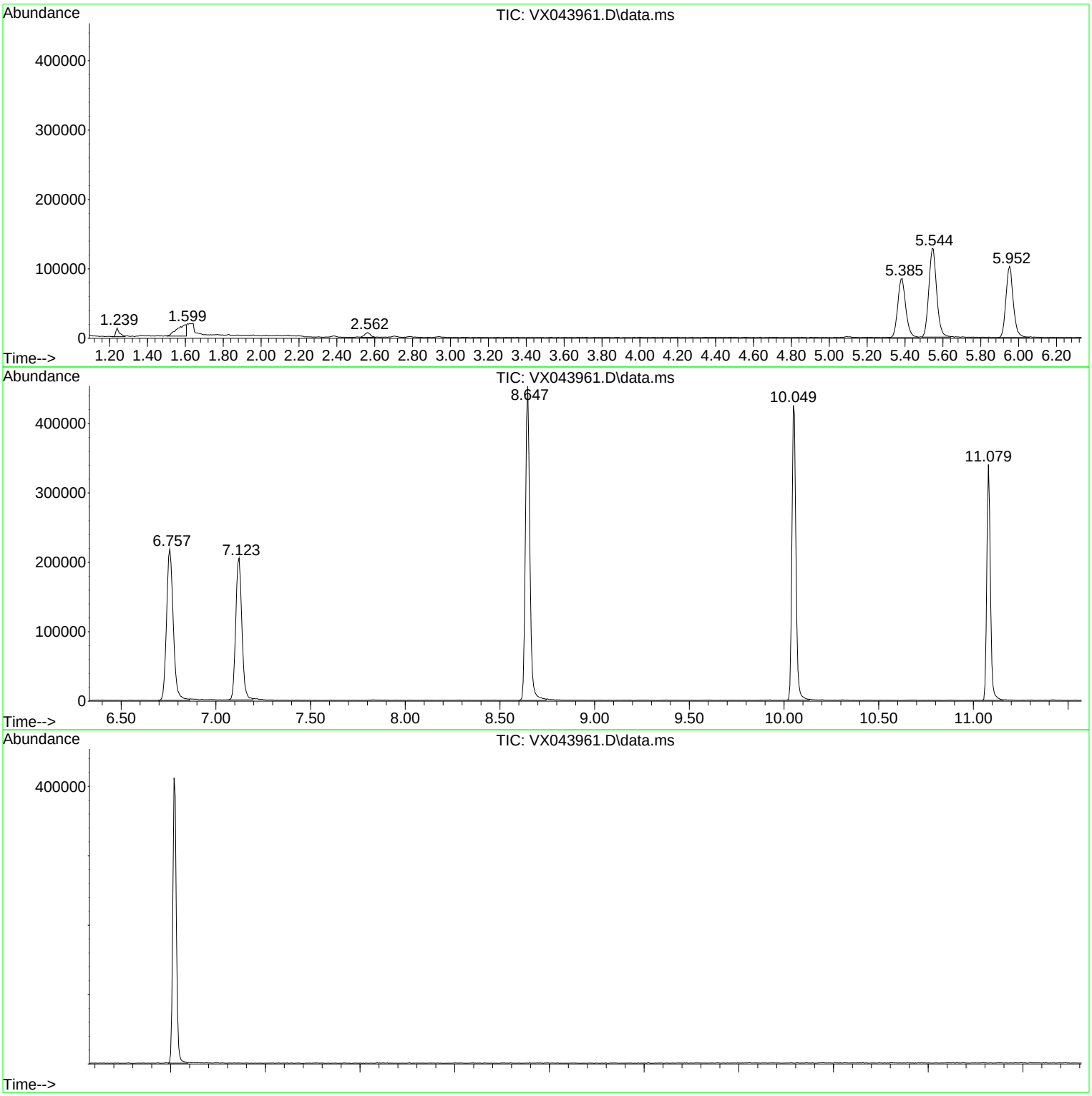
Sample Results: **VX043961.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043961.D
Acq On : 22 Nov 2024 15:43
Operator : JC/MD
Sample : P4846-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04S-20241113

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043961.D
Acq On : 22 Nov 2024 15:43
Operator : JC/MD
Sample : P4846-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04S-20241113

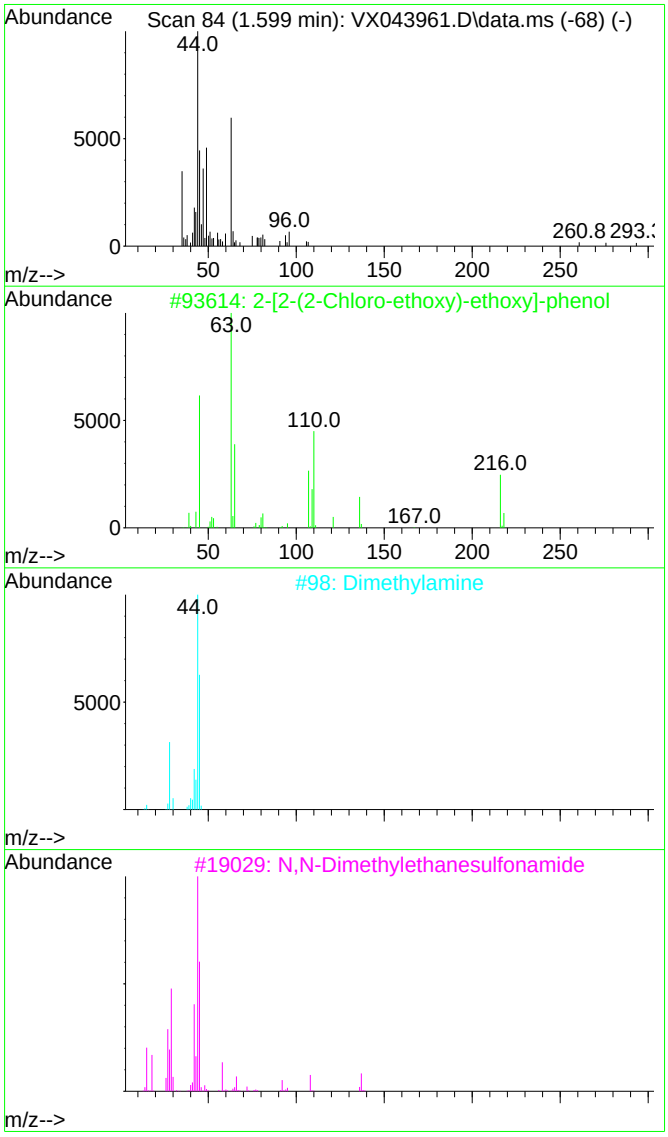
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

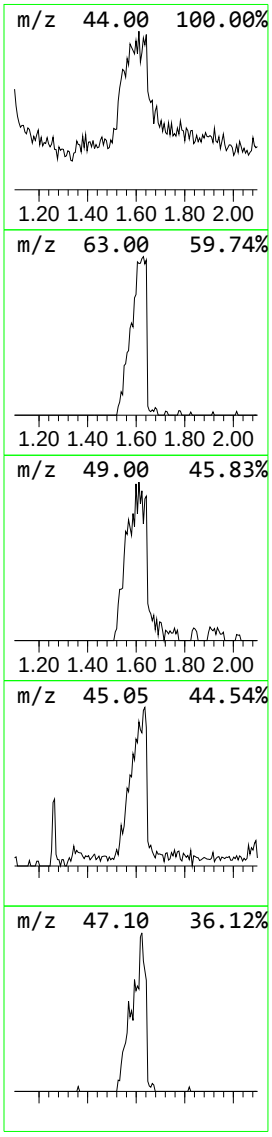
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 unknown1.599 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.599	7.95 ug/l	58260	Pentafluorobenzene	5.544

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-[2-(2-Chloro-ethoxy)-ethoxy]-p...	216	C10H13ClO3	1000317-46-1	16
2	Dimethylamine	45	C2H7N	000124-40-3	9
3	N,N-Dimethylethanesulfonamide	137	C4H11NO2S	006338-68-7	9
4	4-Fluorohistamine	129	C5H8FN3	049872-60-8	9
5	1,5,2,4-Dioxadithiepane-2,2,4,4-...	202	C3H6O6S2	099591-73-8	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043961.D
Acq On : 22 Nov 2024 15:43
Operator : JC/MD
Sample : P4846-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04S-20241113

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown1.599	1.599	8.0	ug/l	58260	1	5.544	366555	50.0

Raw Data: **VX043995.D**

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-EVAL-04D-20241113	SDG No.:	P4846
Lab Sample ID:	P4846-05	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043995.D	1		11/25/24 18:31	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	2.30	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	57.1	M	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

Raw Data: **VX043995.D**

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-EVAL-04D-20241113	SDG No.:	P4846
Lab Sample ID:	P4846-05	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043995.D	1		11/25/24 18:31	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.6		81 - 118		99%	SPK: 50
1868-53-7	Dibromofluoromethane	46.0		80 - 119		92%	SPK: 50
2037-26-5	Toluene-d8	49.5		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.7		85 - 114		93%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	113000	5.55				
540-36-3	1,4-Difluorobenzene	215000	6.757				
3114-55-4	Chlorobenzene-d5	184000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	75300	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-EVAL-04D-20241113	SDG No.:	P4846
Lab Sample ID:	P4846-05	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043995.D	1		11/25/24 18:31	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
	unknown1.581	6.00	J			1.58	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\VX112524\
Data File : VX043995.D
Acq On : 25 Nov 2024 18:31
Operator : JC/MD
Sample : P4846-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113

Quant Time: Nov 26 00:52:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

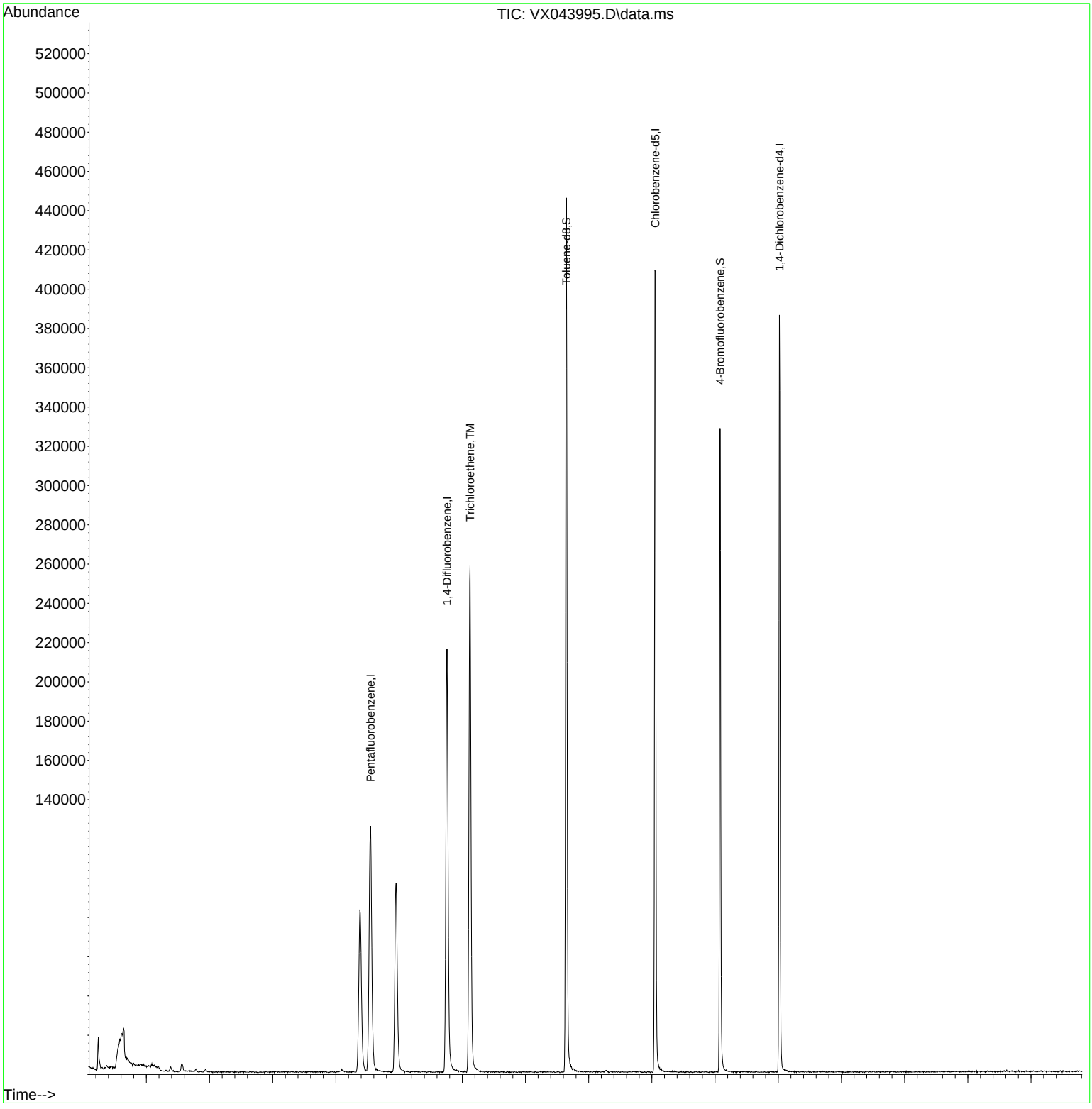
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	113117	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.757	114	215357	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	184073	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	75257	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	96160	49.563	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.120%		
35) Dibromofluoromethane	5.379	113	70790	46.002	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.000%		
50) Toluene-d8	8.647	98	262547	49.495	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.000%		
62) 4-Bromofluorobenzene	11.079	95	84222	46.653	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	93.300%		
Target Compounds						Qvalue
3) Chloromethane	1.295	50	488	0.324	ug/l	90
16) Acetone	2.386	43	2079	2.333	ug/l	94
44) Trichloroethene	7.123	130	96519	57.081	ug/l	95

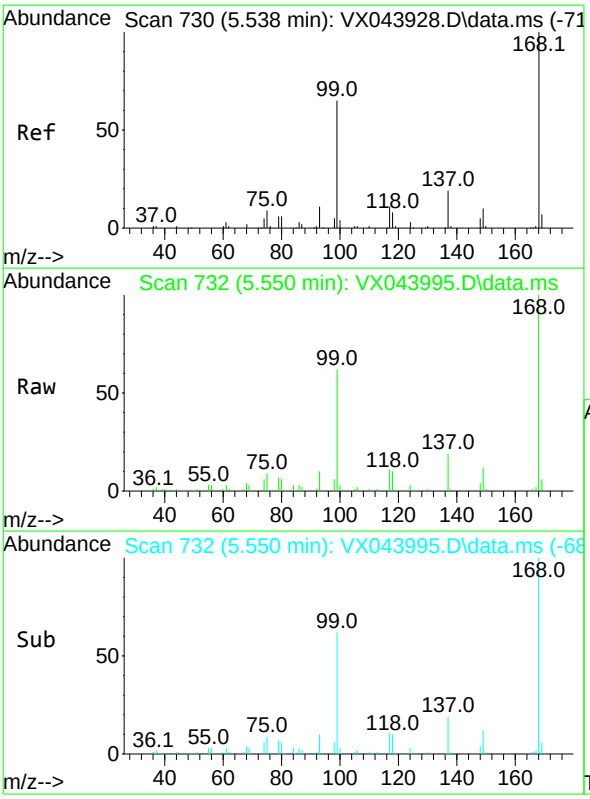
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043995.D
Acq On : 25 Nov 2024 18:31
Operator : JC/MD
Sample : P4846-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113

Quant Time: Nov 26 00:52:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



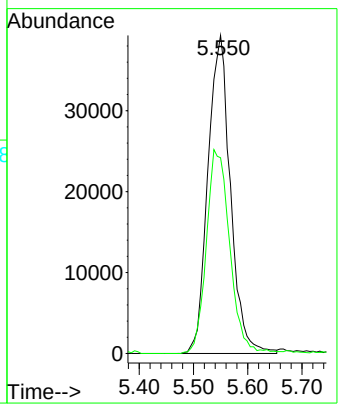


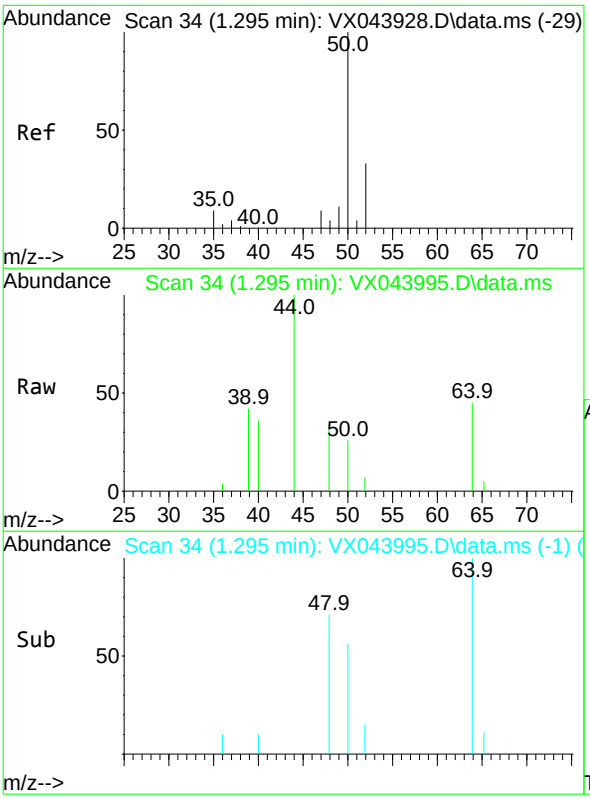
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. 0.012 min
Lab File: VX043995.D
Acq: 25 Nov 2024 18:31

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113

Tgt Ion:168 Resp: 113117

Ion	Ratio	Lower	Upper
168	100		
99	61.6	51.8	77.8

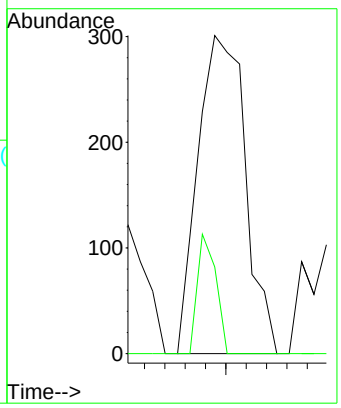


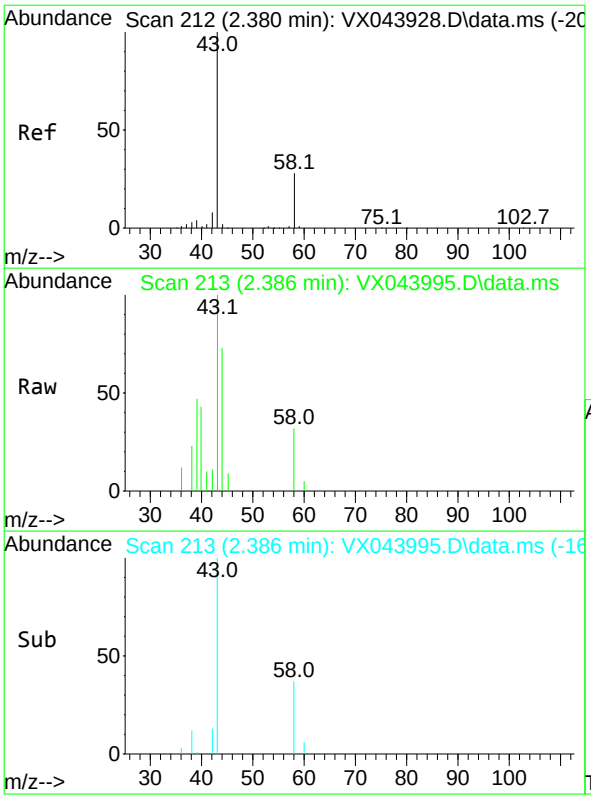


#3
Chloromethane
Concen: 0.324 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX043995.D
Acq: 25 Nov 2024 18:31

Tgt Ion: 50 Resp: 488

Ion	Ratio	Lower	Upper
50	100		
52	27.2	26.1	39.1



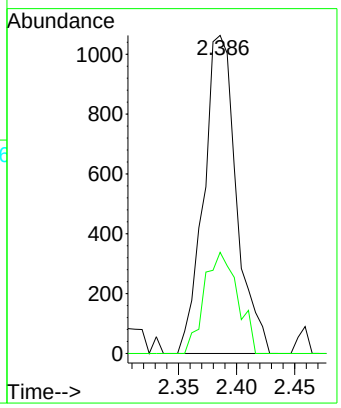


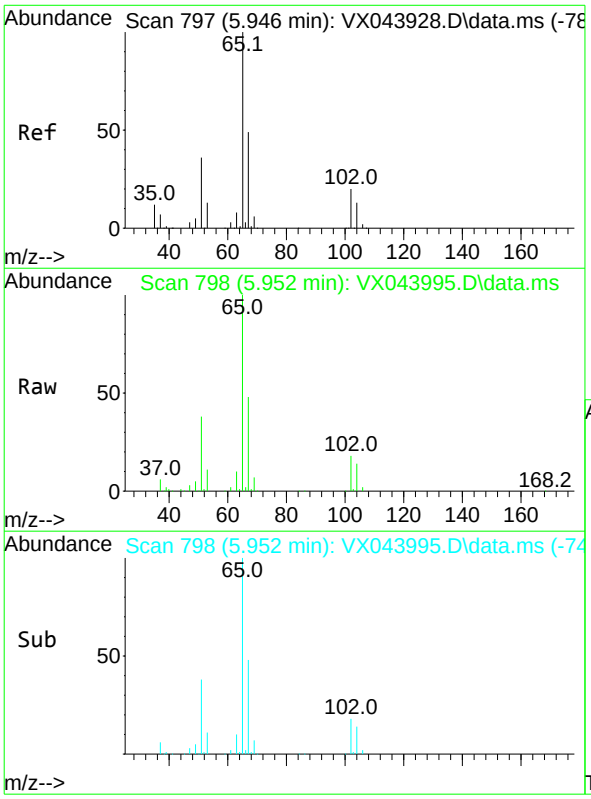
#16
Acetone
Concen: 2.333 ug/l
RT: 2.386 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX043995.D
Acq: 25 Nov 2024 18:31

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113

Tgt Ion: 43 Resp: 2079

Ion	Ratio	Lower	Upper
43	100		
58	31.8	22.7	34.1

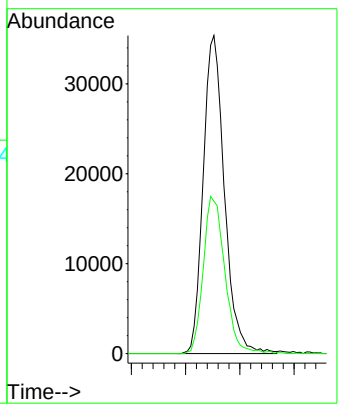


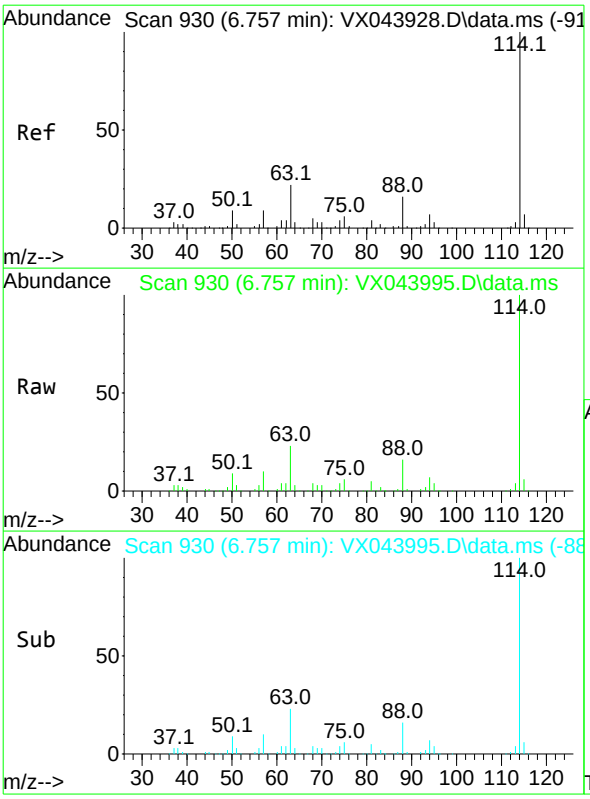


#33
1,2-Dichloroethane-d4
Concen: 49.563 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX043995.D
Acq: 25 Nov 2024 18:31

Tgt Ion: 65 Resp: 96160

Ion	Ratio	Lower	Upper
65	100		
67	50.2	0.0	100.8



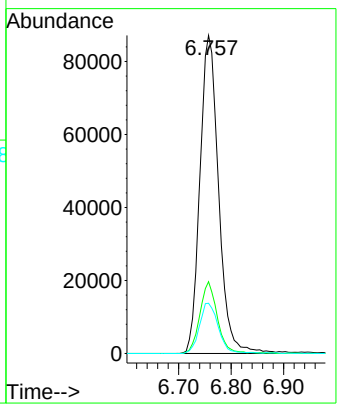


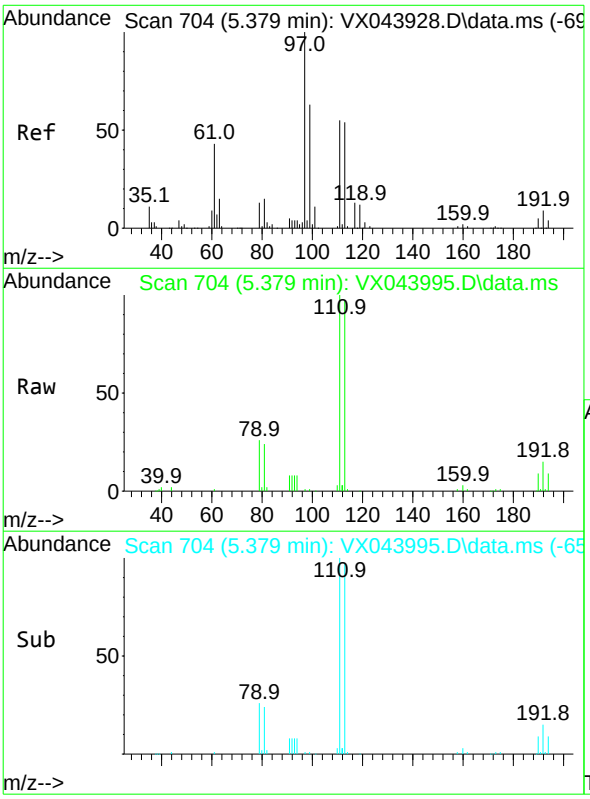
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. -0.000 min
Lab File: VX043995.D
Acq: 25 Nov 2024 18:31

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113

Tgt Ion:114 Resp: 215357

Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	44.0
88	15.8	0.0	32.4

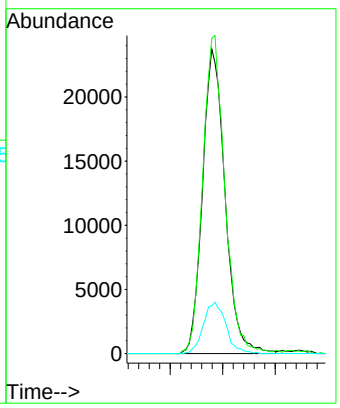


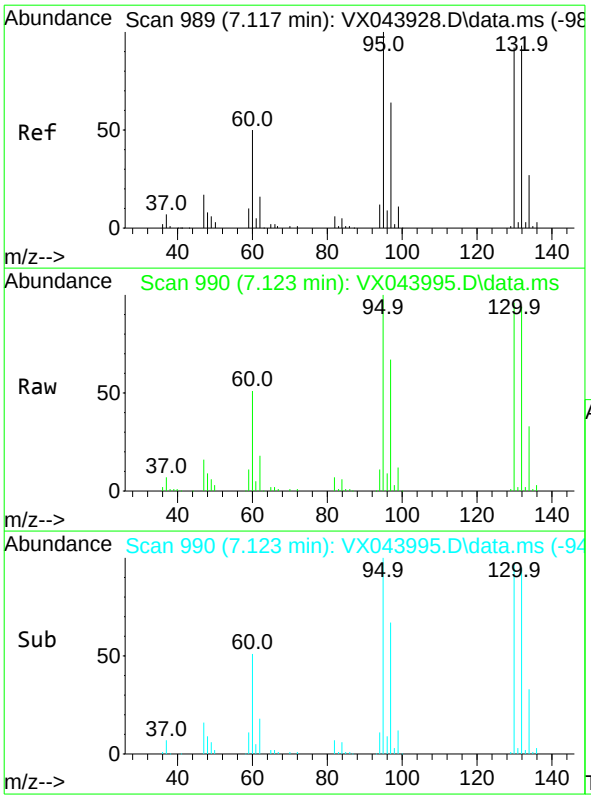


#35
Dibromofluoromethane
Concen: 46.002 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX043995.D
Acq: 25 Nov 2024 18:31

Tgt Ion:113 Resp: 70790

Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.0	121.4
192	16.9	13.0	19.6



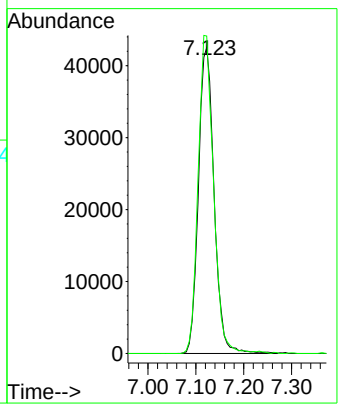


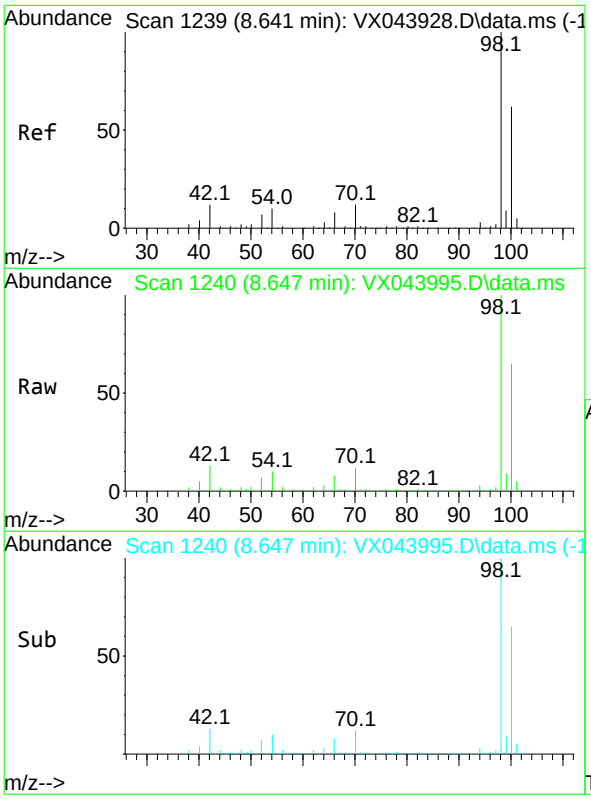
#44
Trichloroethene
Concen: 57.081 ug/l
RT: 7.123 min Scan# 99
Delta R.T. 0.006 min
Lab File: VX043995.D
Acq: 25 Nov 2024 18:31

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113

Tgt Ion:130 Resp: 96519

Ion	Ratio	Lower	Upper
130	100		
95	103.8	0.0	217.8

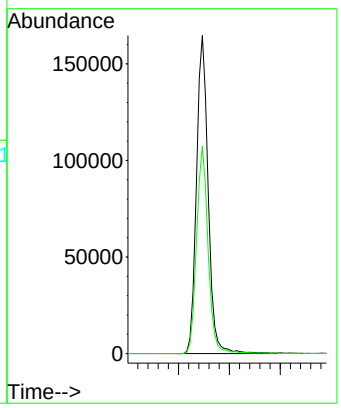


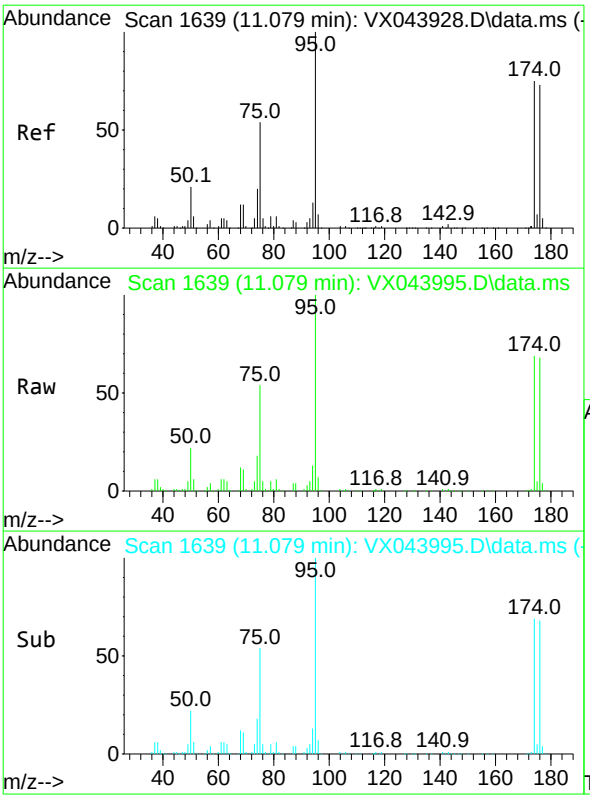


#50
Toluene-d8
Concen: 49.495 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043995.D
Acq: 25 Nov 2024 18:31

Tgt Ion: 98 Resp: 262547

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.6	79.0



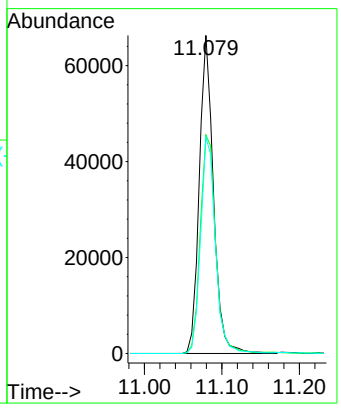


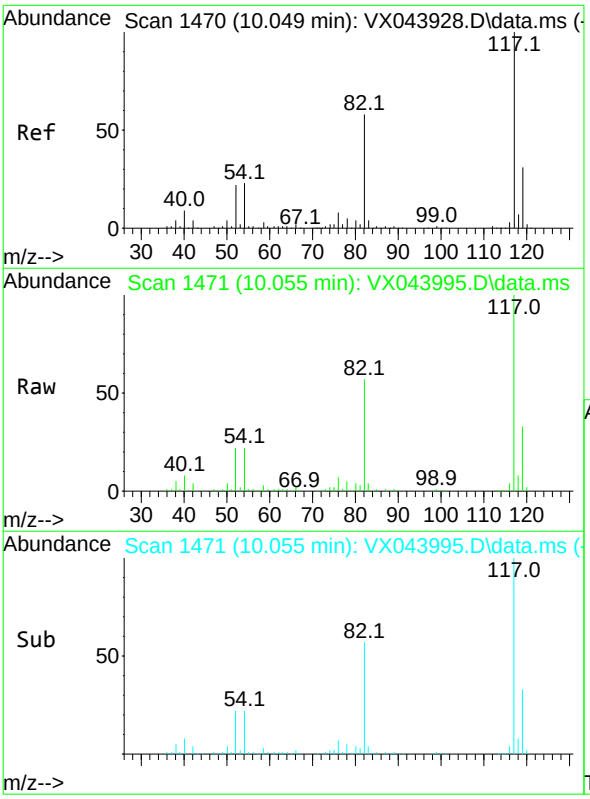
#62
4-Bromofluorobenzene
Concen: 46.653 ug/l
RT: 11.079 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043995.D
Acq: 25 Nov 2024 18:31

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113

Tgt Ion: 95 Resp: 84222

Ion	Ratio	Lower	Upper
95	100		
174	74.4	0.0	150.4
176	71.2	0.0	146.0

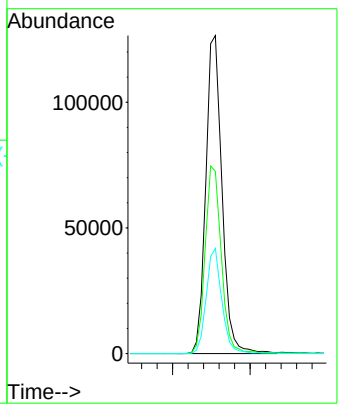


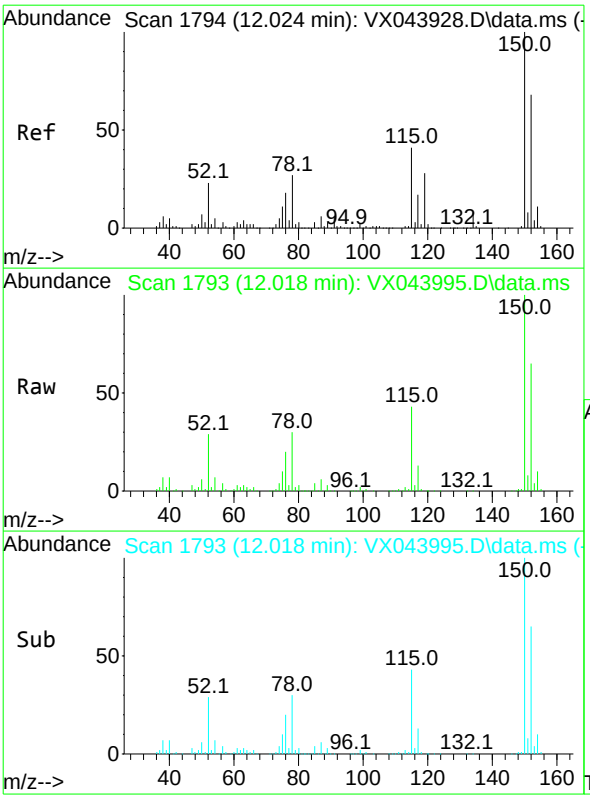


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX043995.D
Acq: 25 Nov 2024 18:31

Tgt Ion:117 Resp: 184073

Ion	Ratio	Lower	Upper
117	100		
82	57.3	46.4	69.6
119	33.1	24.6	37.0



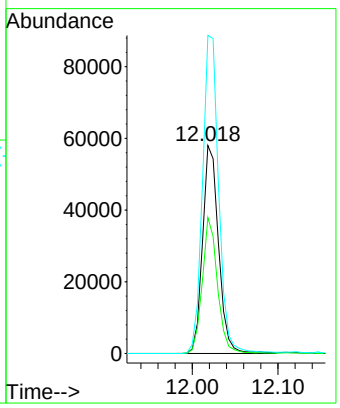


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 17
Delta R.T. -0.006 min
Lab File: VX043995.D
Acq: 25 Nov 2024 18:31

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113

Tgt Ion:152 Resp: 75257

Ion	Ratio	Lower	Upper
152	100		
115	62.1	45.4	136.2
150	155.0	0.0	353.0



LSC Area Percent Report

Sample Results: **VX043995.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043995.D
Acq On : 25 Nov 2024 18:31
Operator : JC/MD
Sample : P4846-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113

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\82X112124W.M
Title : SW846 8260

Signal : TIC: VX043995.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.240	21	25	32	rBV	16663	22628	3.17%	0.526%
2	1.581	68	81	82	rBV3	14663	43655	6.11%	1.015%
3	2.557	236	241	251	rBV2	4079	9731	1.36%	0.226%
4	5.379	693	704	717	rBV2	82885	244644	34.24%	5.689%
5	5.550	721	732	749	rVV3	124827	366275	51.27%	8.517%
6	5.952	785	798	813	rBV	96552	267894	37.50%	6.230%
7	6.757	921	930	947	rBV	215569	521411	72.98%	12.125%
8	7.123	981	990	1007	rBV	258231	581905	81.45%	13.532%
9	8.647	1233	1240	1255	rBV	445293	714422	100.00%	16.613%
10	10.049	1465	1470	1481	rBV	408252	602293	84.30%	14.006%
11	11.079	1634	1639	1653	rBV	327951	432490	60.54%	10.057%
12	12.018	1788	1793	1806	rBV	385710	492955	69.00%	11.463%

Sum of corrected areas: 4300303

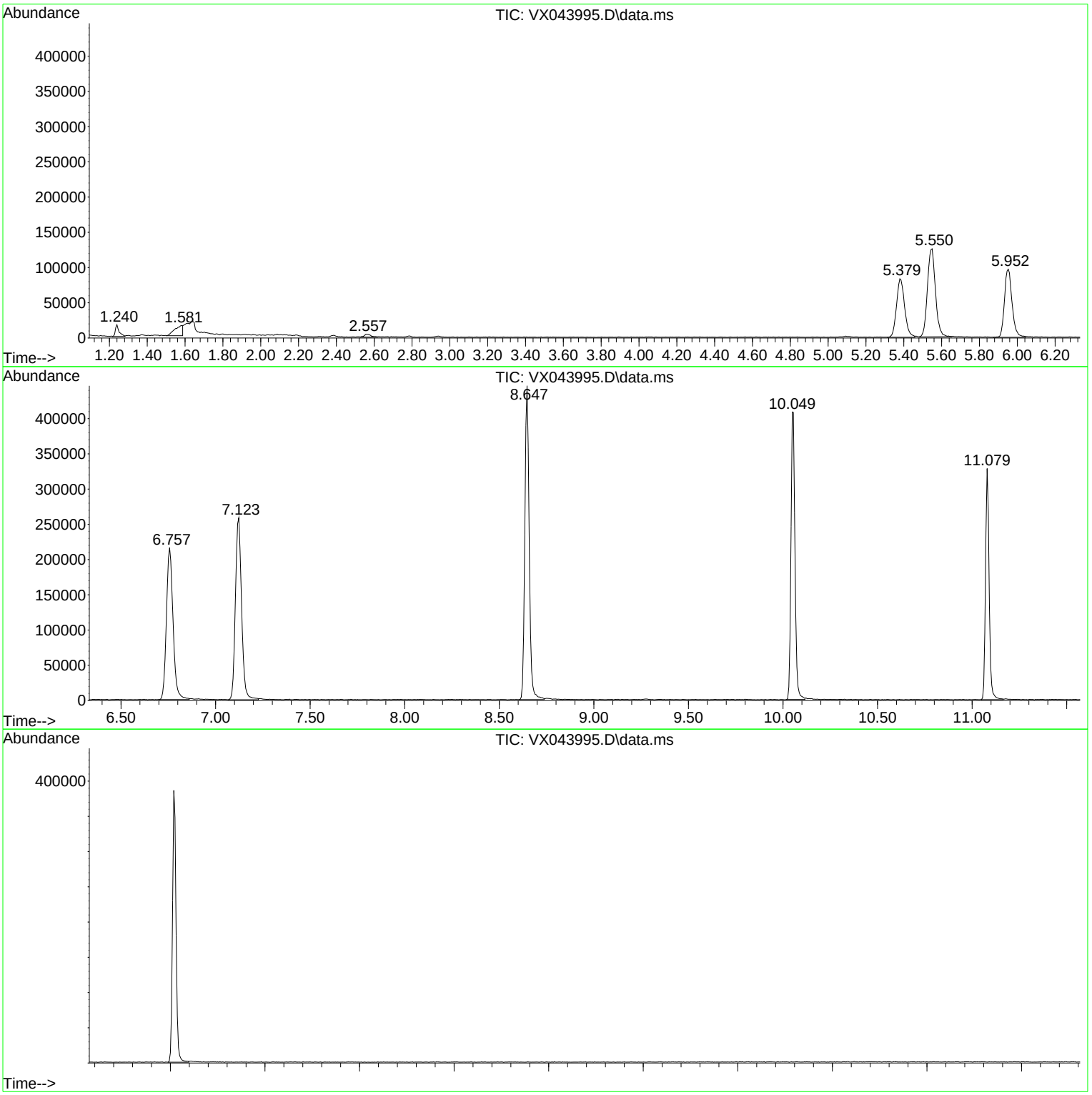
Sample Results: **VX043995.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043995.D
Acq On : 25 Nov 2024 18:31
Operator : JC/MD
Sample : P4846-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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



Sample Results: **VX043995.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043995.D
Acq On : 25 Nov 2024 18:31
Operator : JC/MD
Sample : P4846-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113

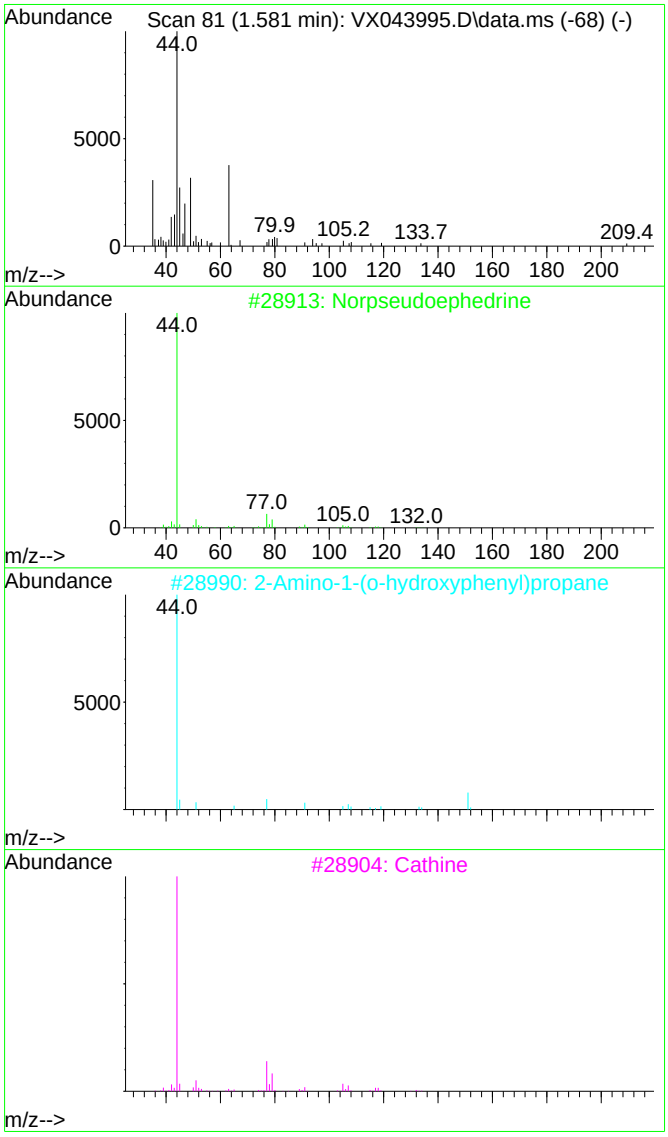
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

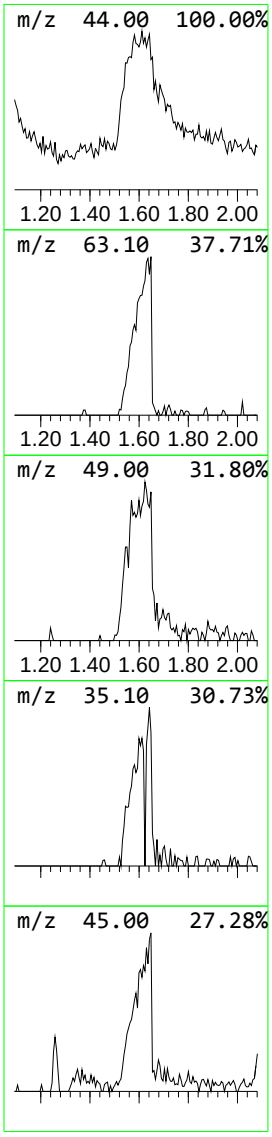
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 unknown1.581 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.581	5.96 ug/l	43655	Pentafluorobenzene	5.550

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Norpseudoephedrine	151	C9H13NO	036393-56-3	12
2	2-Amino-1-(o-hydroxyphenyl)propane	151	C9H13NO	073470-00-5	10
3	Cathine	151	C9H13NO	000492-39-7	10
4	n-Hexylmethylamine	115	C7H17N	035161-70-7	9
5	Benzeneethanamine, 2,5-difluoro-...	219	C9H11F2NO3	152434-78-1	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043995.D
Acq On : 25 Nov 2024 18:31
Operator : JC/MD
Sample : P4846-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown1.581	1.581	6.0	ug/l	43655	1	5.550	366275	50.0

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-26-20241113	SDG No.:	P4846
Lab Sample ID:	P4846-08	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043962.D	1		11/22/24 16:06	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	2.20	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

Raw Data: **VX043962.D**

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-26-20241113	SDG No.:	P4846
Lab Sample ID:	P4846-08	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043962.D	1		11/22/24 16:06	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.1		81 - 118		102%	SPK: 50
1868-53-7	Dibromofluoromethane	47.4		80 - 119		95%	SPK: 50
2037-26-5	Toluene-d8	49.8		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.1		85 - 114		92%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	110000	5.55				
540-36-3	1,4-Difluorobenzene	212000	6.757				
3114-55-4	Chlorobenzene-d5	182000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	70200	12.018				

Raw Data: **VX043962.D**

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-26-20241113	SDG No.:	P4846
Lab Sample ID:	P4846-08	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043962.D	1		11/22/24 16:06	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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\VX112224\
Data File : VX043962.D
Acq On : 22 Nov 2024 16:06
Operator : JC/MD
Sample : P4846-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-26-20241113

Quant Time: Nov 22 22:24:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

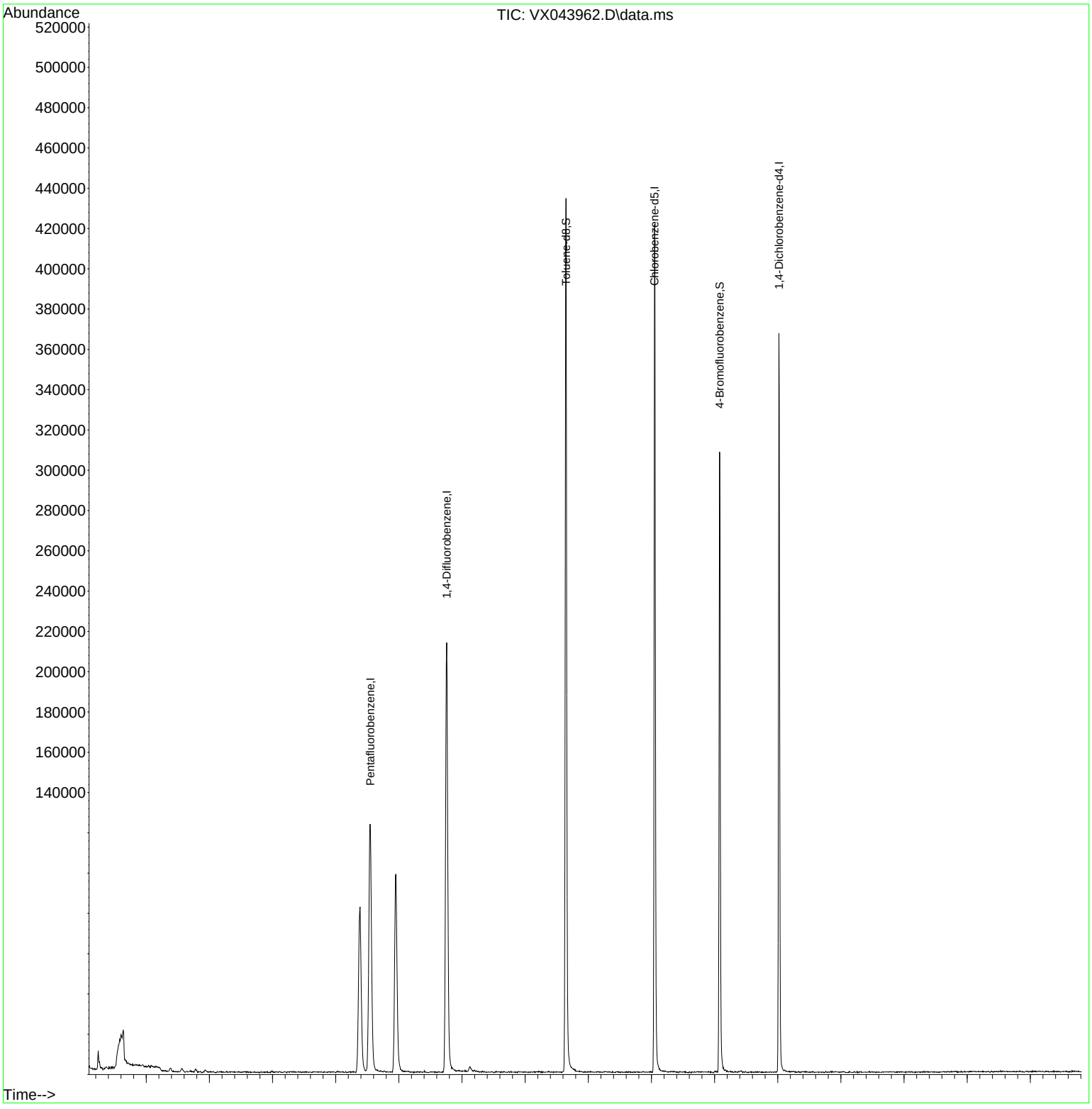
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	110127	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.757	114	211509	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	181808	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	70163	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	96444	51.059	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.120%			
35) Dibromofluoromethane	5.385	113	71579	47.361	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.720%			
50) Toluene-d8	8.647	98	259674	49.844	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.680%			
62) 4-Bromofluorobenzene	11.079	95	81701	46.080	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 92.160%			
Target Compounds						Qvalue
3) Chloromethane	1.295	50	395	0.269	ug/l #	81
16) Acetone	2.386	43	1923	2.217	ug/l	100

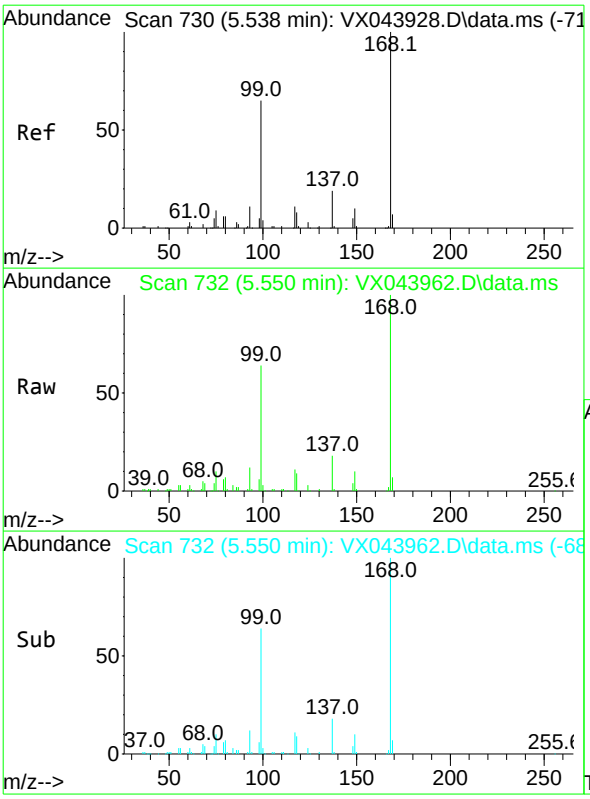
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043962.D
Acq On : 22 Nov 2024 16:06
Operator : JC/MD
Sample : P4846-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-26-20241113

Quant Time: Nov 22 22:24:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



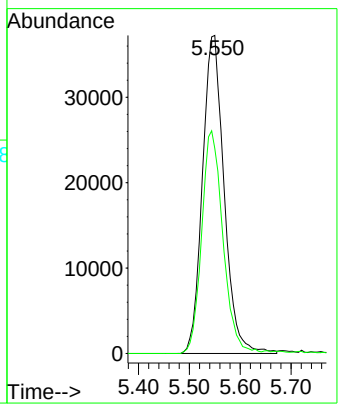


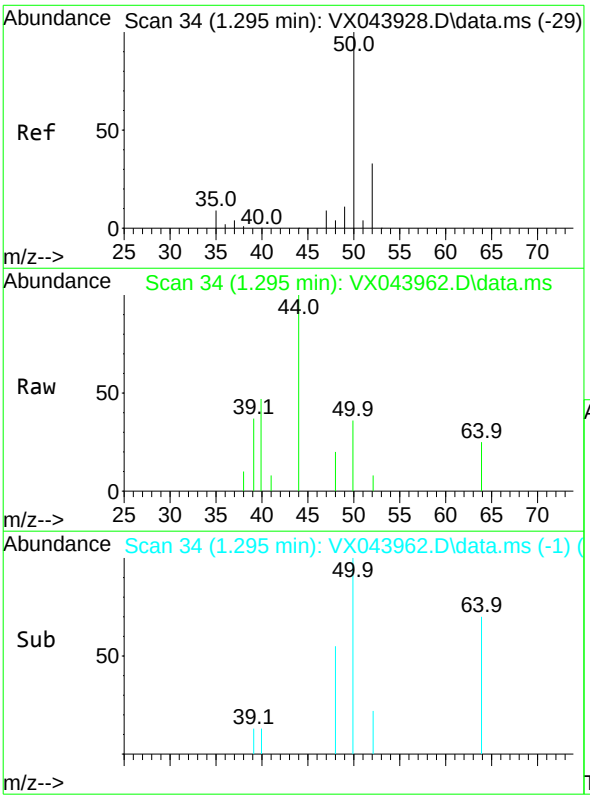
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. 0.012 min
Lab File: VX043962.D
Acq: 22 Nov 2024 16:06

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-26-20241113

Tgt Ion:168 Resp: 110127

Ion	Ratio	Lower	Upper
168	100		
99	64.5	51.8	77.8

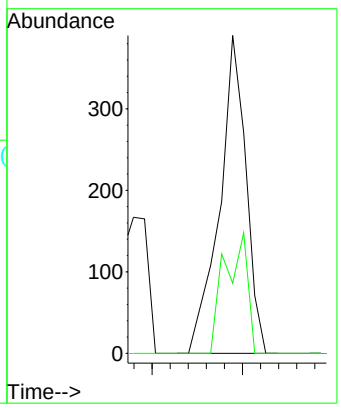


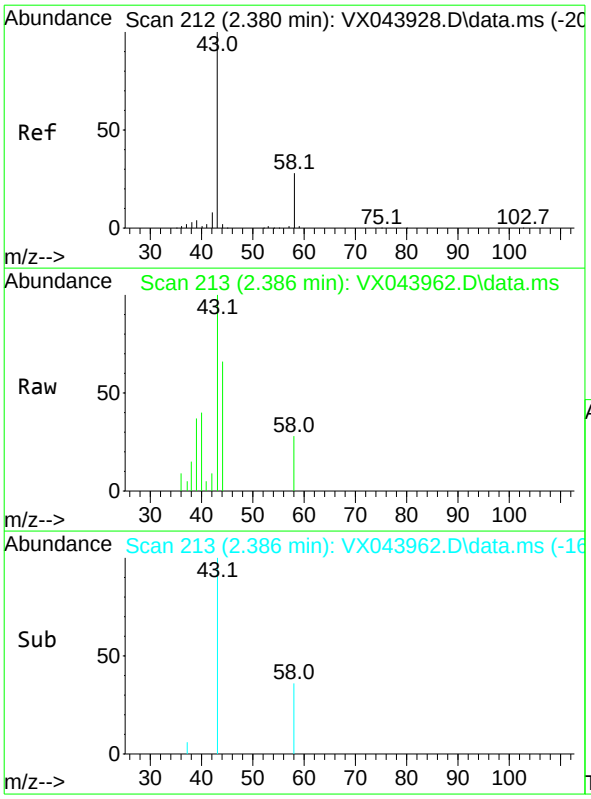


#3
Chloromethane
Concen: 0.269 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX043962.D
Acq: 22 Nov 2024 16:06

Tgt Ion: 50 Resp: 395

Ion	Ratio	Lower	Upper
50	100		
52	22.1	26.1	39.1#



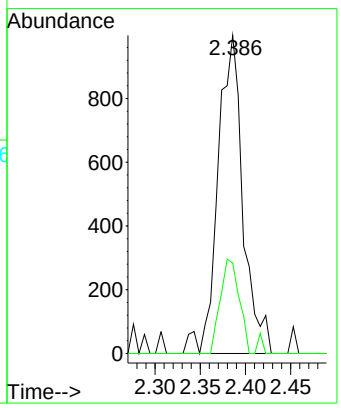


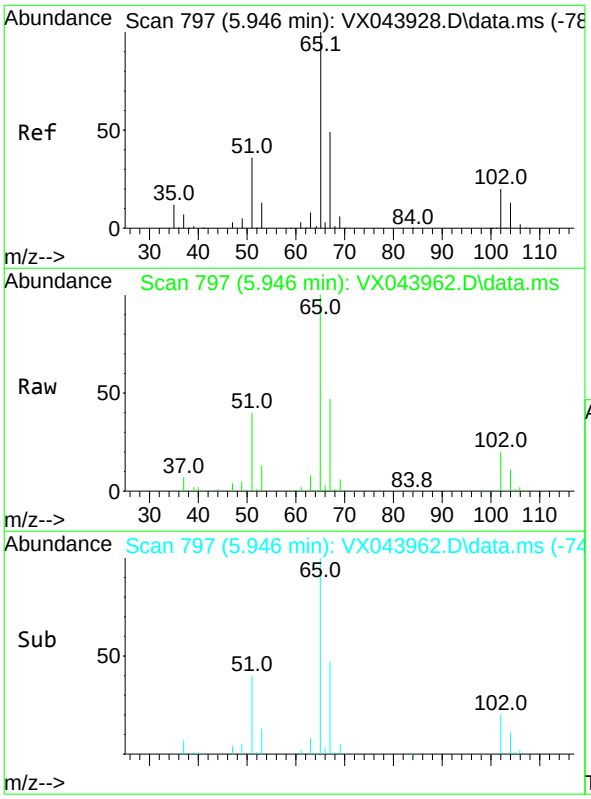
#16
Acetone
Concen: 2.217 ug/l
RT: 2.386 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX043962.D
Acq: 22 Nov 2024 16:06

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-26-20241113

Tgt Ion: 43 Resp: 1923

Ion	Ratio	Lower	Upper
43	100		
58	28.5	22.7	34.1

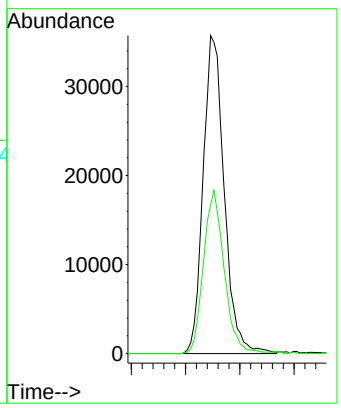


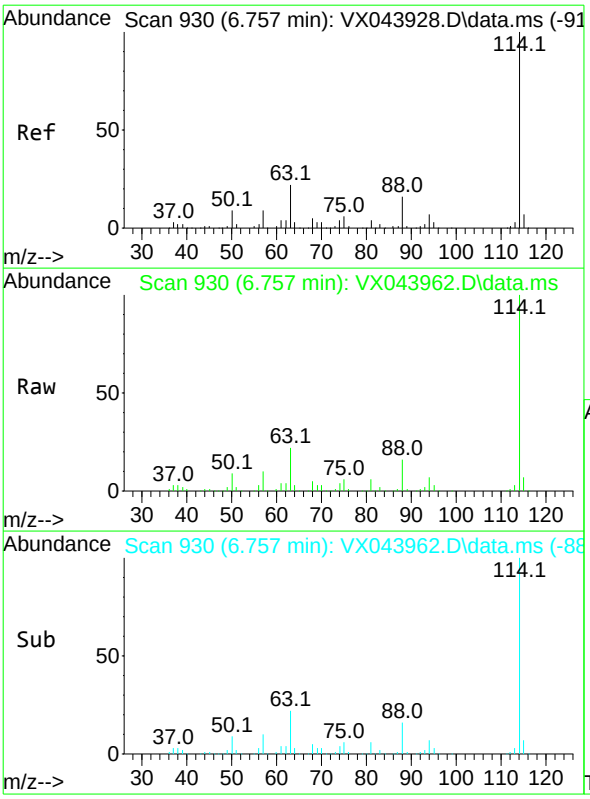


#33
1,2-Dichloroethane-d4
Concen: 51.059 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.000 min
Lab File: VX043962.D
Acq: 22 Nov 2024 16:06

Tgt Ion: 65 Resp: 96444

Ion	Ratio	Lower	Upper
65	100		
67	50.3	0.0	100.8



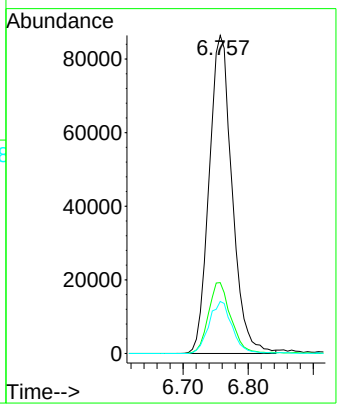


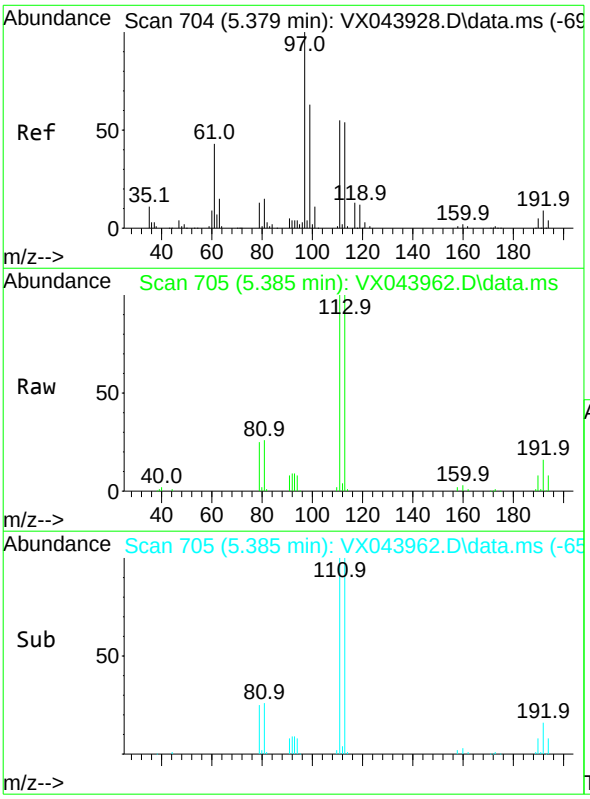
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. -0.000 min
Lab File: VX043962.D
Acq: 22 Nov 2024 16:06

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-26-20241113

Tgt Ion:114 Resp: 211509

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	44.0
88	16.3	0.0	32.4

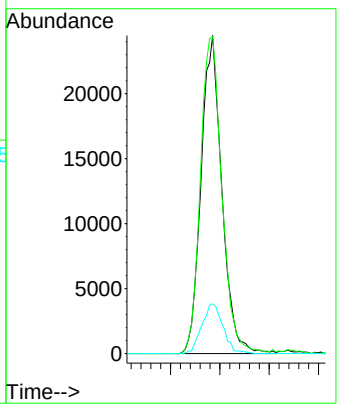


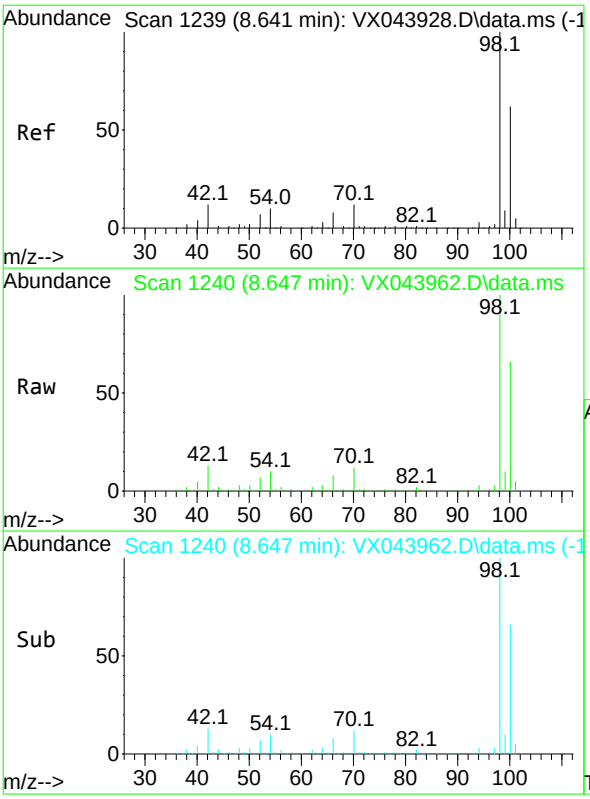


#35
Dibromofluoromethane
Concen: 47.361 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX043962.D
Acq: 22 Nov 2024 16:06

Tgt Ion:113 Resp: 71579

Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.0	121.4
192	16.0	13.0	19.6



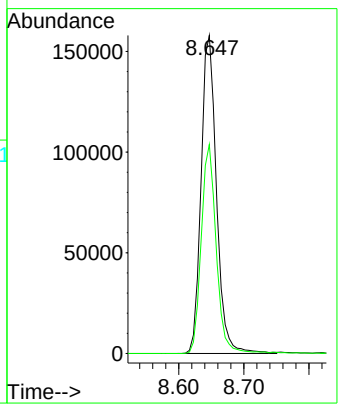


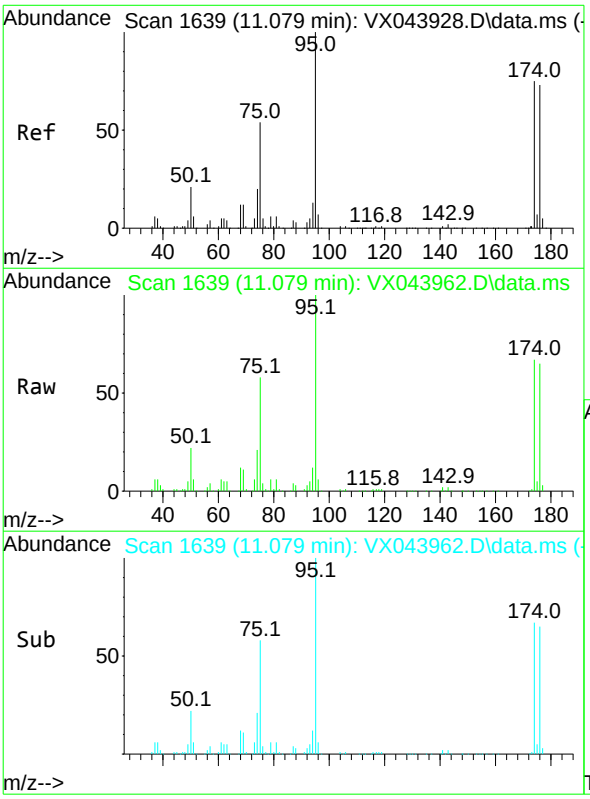
#50
Toluene-d8
Concen: 49.844 ug/l
RT: 8.647 min Scan# 12
Delta R.T. 0.006 min
Lab File: VX043962.D
Acq: 22 Nov 2024 16:06

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-26-20241113

Tgt Ion: 98 Resp: 259674

Ion	Ratio	Lower	Upper
98	100		
100	63.8	52.6	79.0

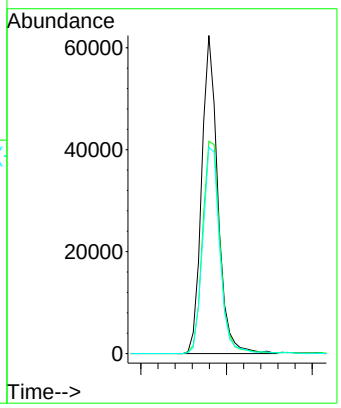


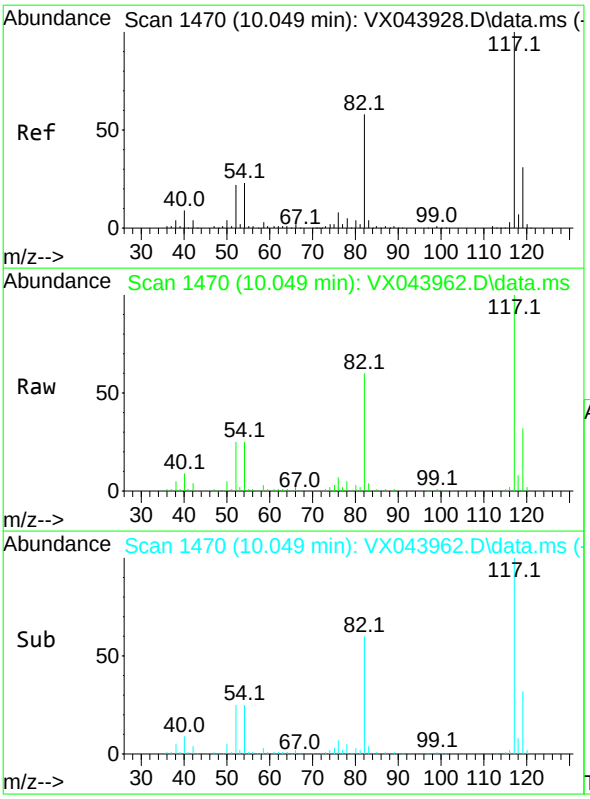


#62
4-Bromofluorobenzene
Concen: 46.080 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043962.D
Acq: 22 Nov 2024 16:06

Tgt Ion: 95 Resp: 81701

Ion	Ratio	Lower	Upper
95	100		
174	72.4	0.0	150.4
176	68.8	0.0	146.0



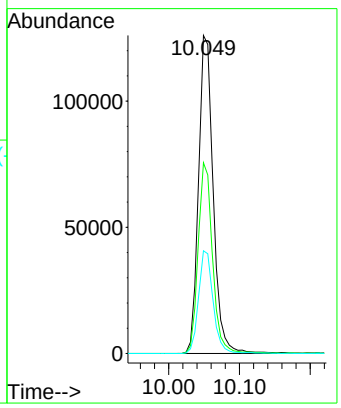


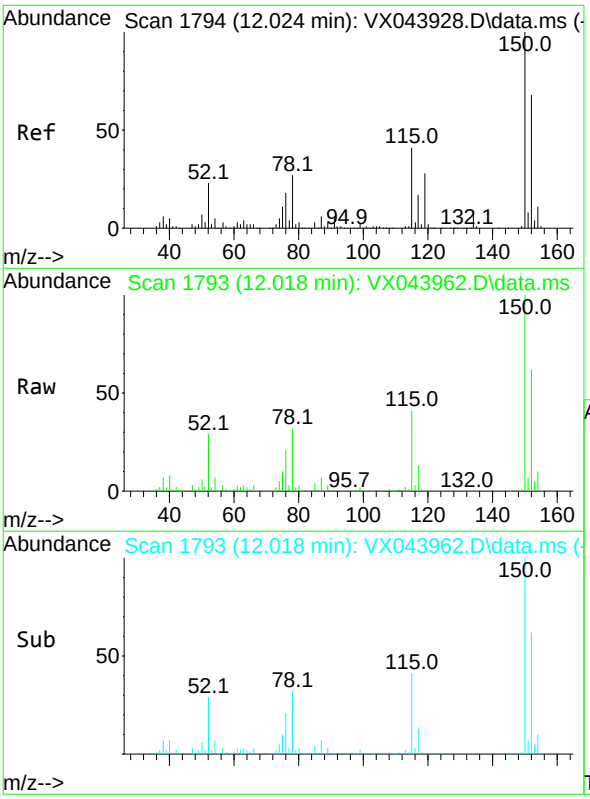
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043962.D
Acq: 22 Nov 2024 16:06

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-26-20241113

Tgt Ion:117 Resp: 181808

Ion	Ratio	Lower	Upper
117	100		
82	60.0	46.4	69.6
119	32.3	24.6	37.0

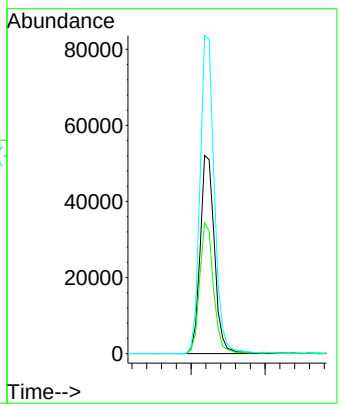




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043962.D
Acq: 22 Nov 2024 16:06

Tgt Ion:152 Resp: 70163

Ion	Ratio	Lower	Upper
152	100		
115	64.0	45.4	136.2
150	159.7	0.0	353.0



LSC Area Percent Report

Sample Results: **VX043962.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043962.D
Acq On : 22 Nov 2024 16:06
Operator : JC/MD
Sample : P4846-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-26-20241113

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\82X112124W.M
Title : SW846 8260

Signal : TIC: VX043962.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.240	21	25	33	rBV2	9228	13132	1.84%	0.359%
2	1.581	66	81	82	rBV3	14528	43066	6.04%	1.178%
3	5.385	694	705	719	rBV	82355	246368	34.54%	6.738%
4	5.544	721	731	745	rVV2	122456	362584	50.84%	9.916%
5	5.952	789	798	810	rBV2	98125	264364	37.06%	7.230%
6	6.757	920	930	943	rBV	213429	520730	73.01%	14.241%
7	8.647	1233	1240	1260	rBV	433501	713256	100.00%	19.506%
8	10.049	1465	1470	1482	rBV	420860	601062	84.27%	16.438%
9	11.079	1634	1639	1651	rBV	307819	417588	58.55%	11.420%
10	12.018	1788	1793	1805	rBV	366856	474373	66.51%	12.973%

Sum of corrected areas: 3656523

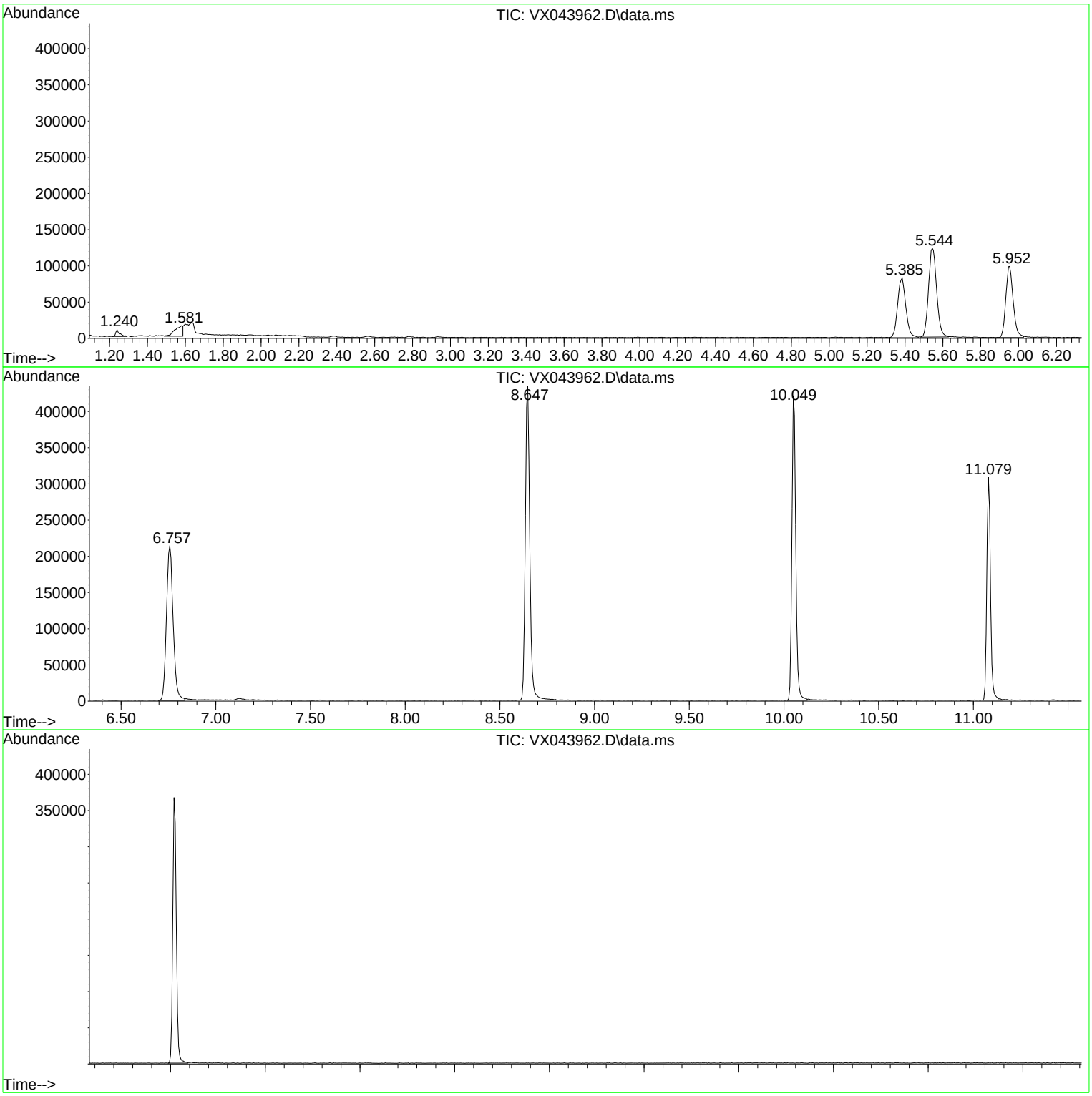
Sample Results: **VX043962.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043962.D
Acq On : 22 Nov 2024 16:06
Operator : JC/MD
Sample : P4846-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-26-20241113

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VX043962.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043962.D
Acq On : 22 Nov 2024 16:06
Operator : JC/MD
Sample : P4846-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-26-20241113

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.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\VX112224\
Data File : VX043962.D
Acq On : 22 Nov 2024 16:06
Operator : JC/MD
Sample : P4846-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-26-20241113

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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

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

Raw Data: **VX043956.D**

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	TB-1-20241113	SDG No.:	P4846
Lab Sample ID:	P4846-09	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043956.D	1		11/22/24 13:48	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.45	J	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	1.60	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.44	J	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

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Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	TB-1-20241113	SDG No.:	P4846
Lab Sample ID:	P4846-09	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043956.D	1		11/22/24 13:48	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.4		81 - 118		103%	SPK: 50
1868-53-7	Dibromofluoromethane	45.8		80 - 119		92%	SPK: 50
2037-26-5	Toluene-d8	50.5		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.4		85 - 114		97%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	108000	5.55				
540-36-3	1,4-Difluorobenzene	209000	6.757				
3114-55-4	Chlorobenzene-d5	182000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	77300	12.018				

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Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	TB-1-20241113	SDG No.:	P4846
Lab Sample ID:	P4846-09	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043956.D	1		11/22/24 13:48	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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\VX112224\
Data File : VX043956.D
Acq On : 22 Nov 2024 13:48
Operator : JC/MD
Sample : P4846-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB-1-20241113

Quant Time: Nov 22 22:22:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

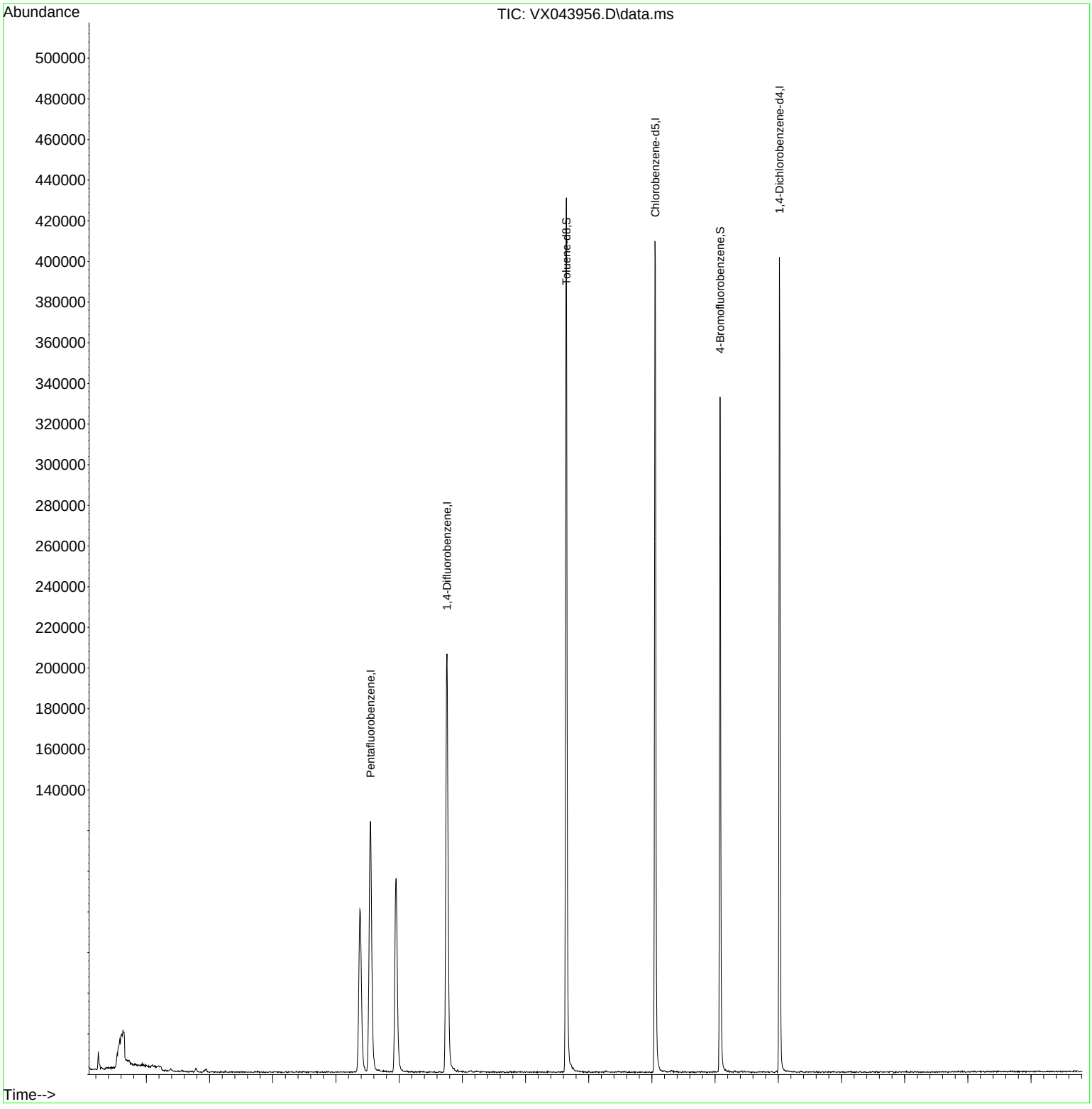
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	108190	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.757	114	209028	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	182100	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	77306	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	95353	51.385	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.780%			
35) Dibromofluoromethane	5.385	113	68378	45.780	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 91.560%			
50) Toluene-d8	8.647	98	259958	50.491	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.980%			
62) 4-Bromofluorobenzene	11.079	95	84771	48.379	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.760%			
Target Compounds						Qvalue
3) Chloromethane	1.294	50	649	0.450	ug/l	94
16) Acetone	2.386	43	1389	1.630	ug/l #	81
20) Methylene Chloride	2.788	84	633	0.438	ug/l #	90

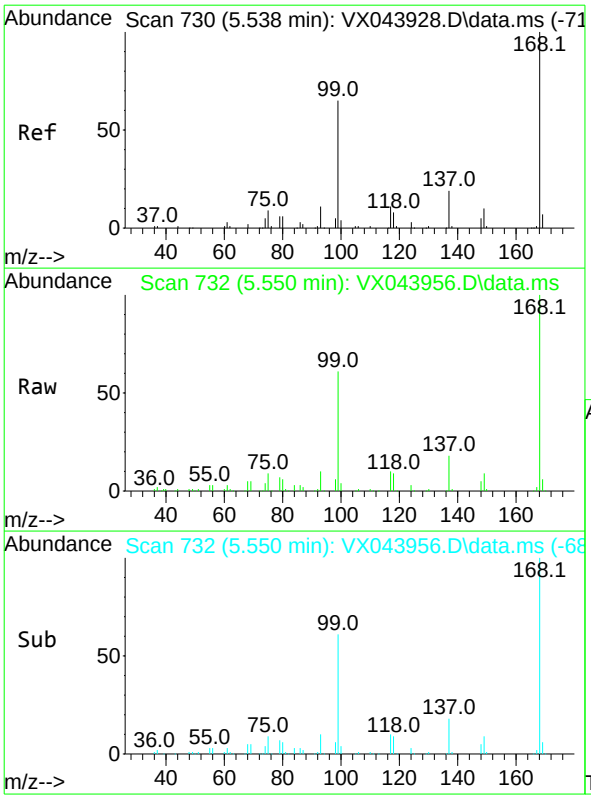
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043956.D
Acq On : 22 Nov 2024 13:48
Operator : JC/MD
Sample : P4846-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB-1-20241113

Quant Time: Nov 22 22:22:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



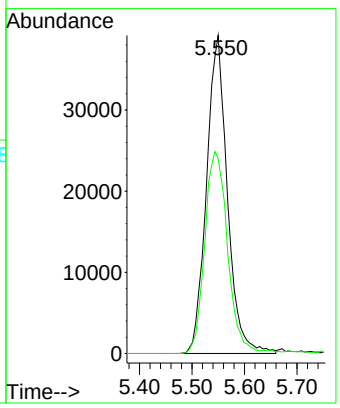


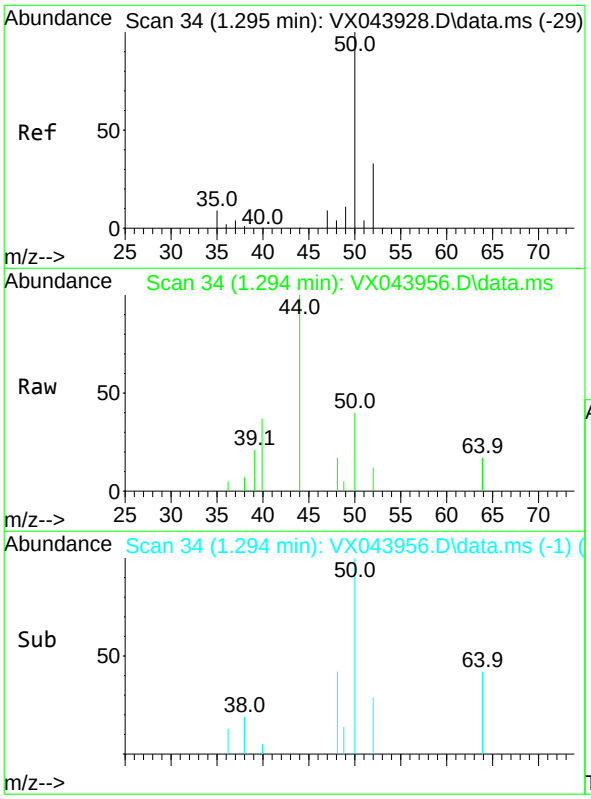
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. 0.012 min
Lab File: VX043956.D
Acq: 22 Nov 2024 13:48

Instrument :
MSVOA_X
ClientSampleId :
TB-1-20241113

Tgt Ion:168 Resp: 108190

Ion	Ratio	Lower	Upper
168	100		
99	61.2	51.8	77.8

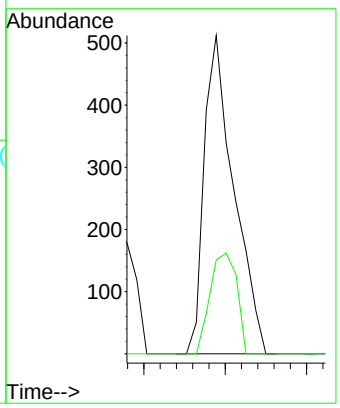


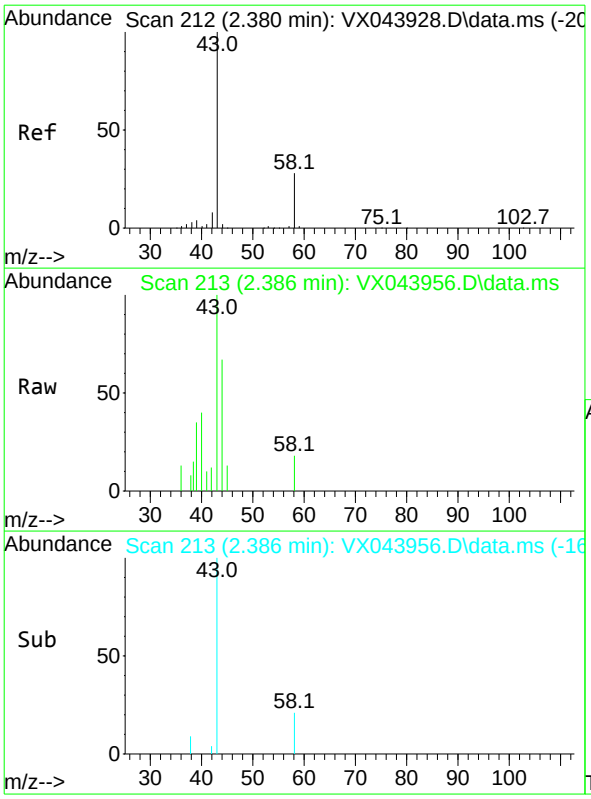


#3
Chloromethane
Concen: 0.450 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX043956.D
Acq: 22 Nov 2024 13:48

Tgt Ion: 50 Resp: 649

Ion	Ratio	Lower	Upper
50	100		
52	29.5	26.1	39.1



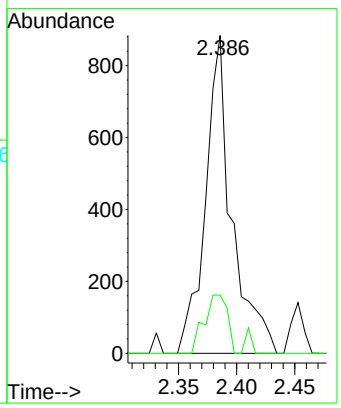


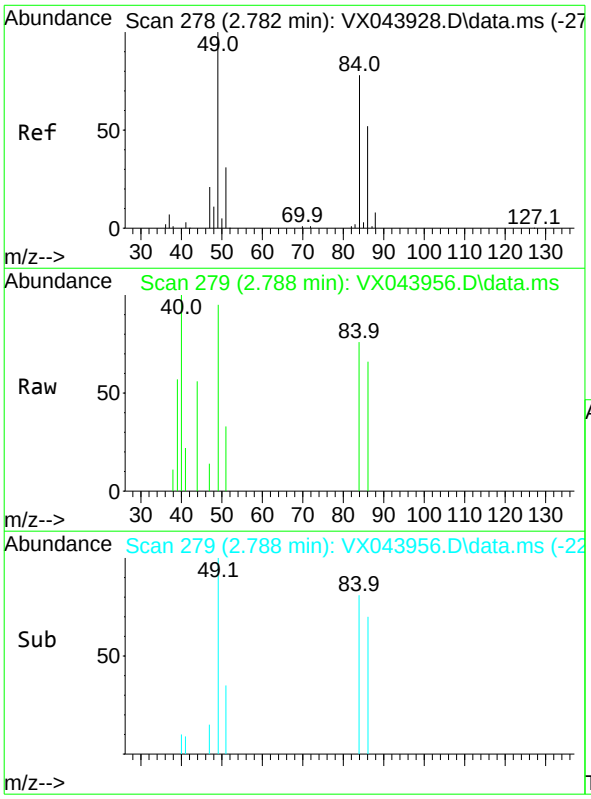
#16
Acetone
Concen: 1.630 ug/l
RT: 2.386 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX043956.D
Acq: 22 Nov 2024 13:48

Instrument :
MSVOA_X
ClientSampleId :
TB-1-20241113

Tgt Ion: 43 Resp: 1389

Ion	Ratio	Lower	Upper
43	100		
58	18.3	22.7	34.1#

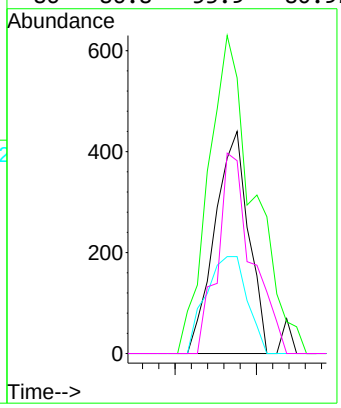


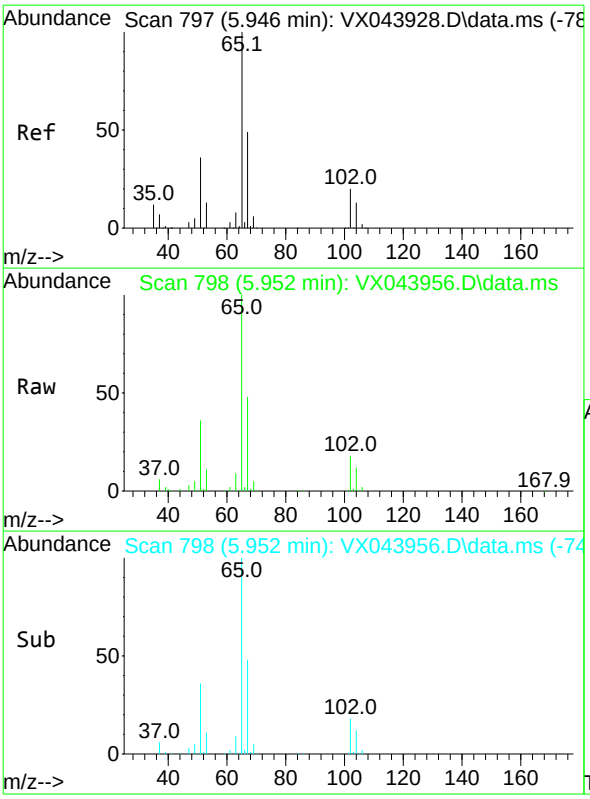


#20
Methylene Chloride
Concen: 0.438 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX043956.D
Acq: 22 Nov 2024 13:48

Tgt Ion: 84 Resp: 633

Ion	Ratio	Lower	Upper
84	100		
49	124.1	102.7	154.1
51	43.6	31.7	47.5
86	86.8	53.9	80.9#



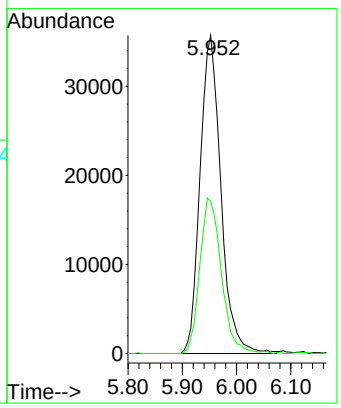


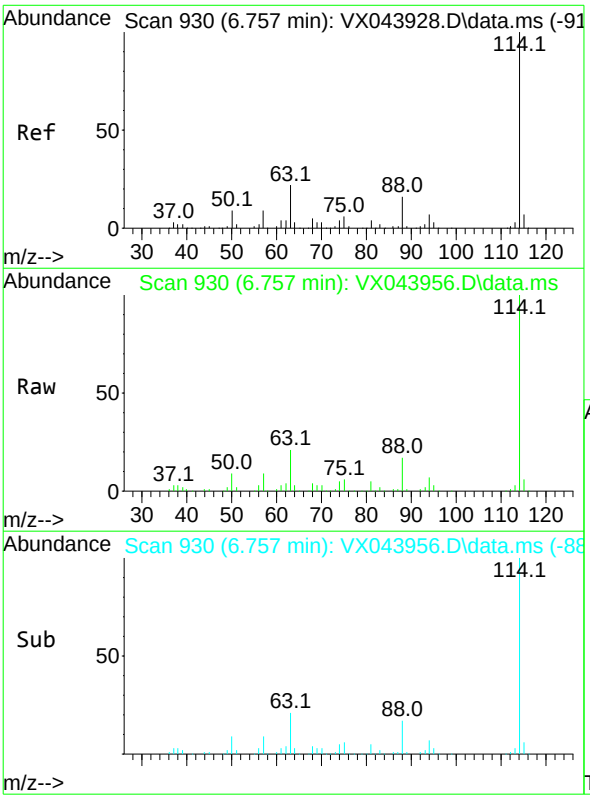
#33
1,2-Dichloroethane-d4
Concen: 51.385 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.006 min
Lab File: VX043956.D
Acq: 22 Nov 2024 13:48

Instrument :
MSVOA_X
ClientSampleId :
TB-1-20241113

Tgt Ion: 65 Resp: 95353

Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	100.8

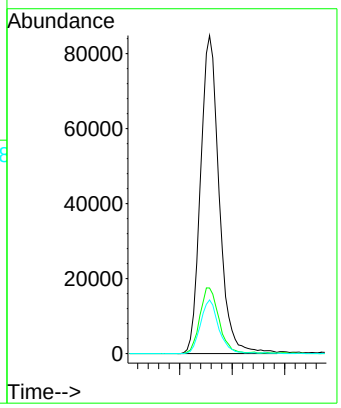


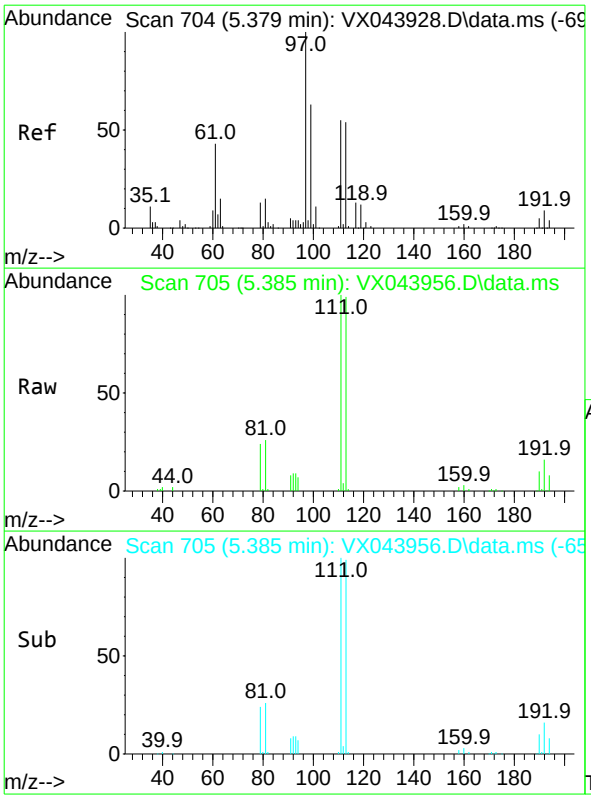


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043956.D
Acq: 22 Nov 2024 13:48

Tgt Ion:114 Resp: 209028

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	44.0
88	16.9	0.0	32.4



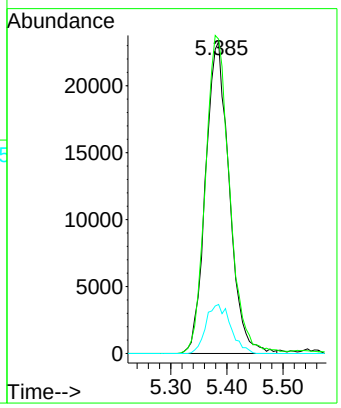


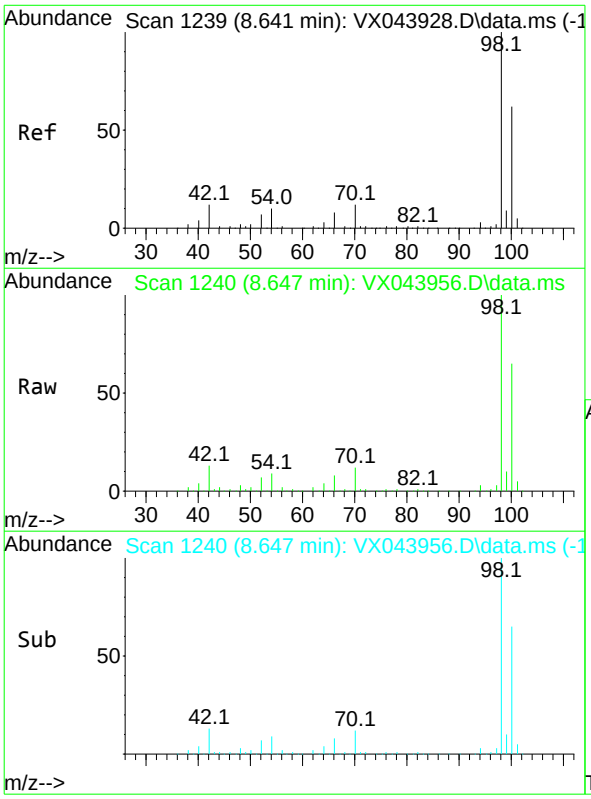
#35
Dibromofluoromethane
Concen: 45.780 ug/l
RT: 5.385 min Scan# 70
Delta R.T. 0.006 min
Lab File: VX043956.D
Acq: 22 Nov 2024 13:48

Instrument :
MSVOA_X
ClientSampleId :
TB-1-20241113

Tgt Ion:113 Resp: 68378

Ion	Ratio	Lower	Upper
113	100		
111	104.2	81.0	121.4
192	16.4	13.0	19.6

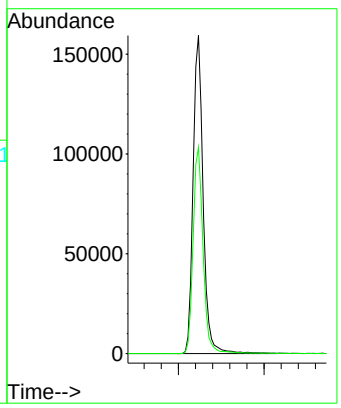


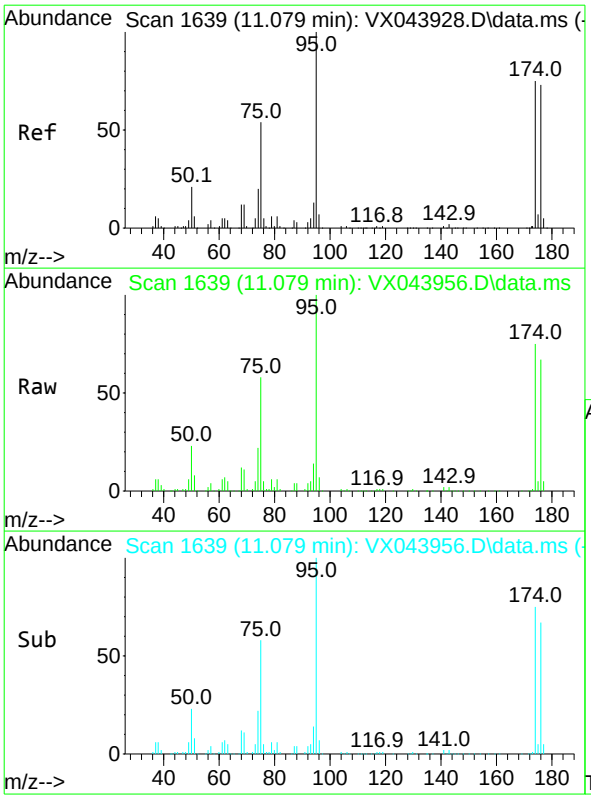


#50
Toluene-d8
Concen: 50.491 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043956.D
Acq: 22 Nov 2024 13:48

Tgt Ion: 98 Resp: 259958

Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.6	79.0



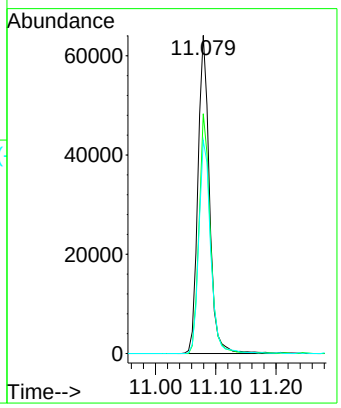


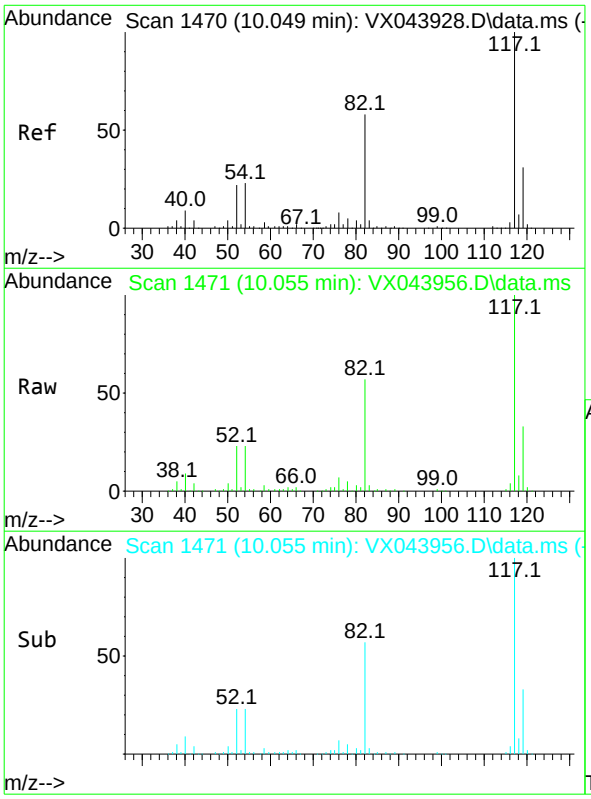
#62
4-Bromofluorobenzene
Concen: 48.379 ug/l
RT: 11.079 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043956.D
Acq: 22 Nov 2024 13:48

Instrument :
MSVOA_X
ClientSampleId :
TB-1-20241113

Tgt Ion: 95 Resp: 84771

Ion	Ratio	Lower	Upper
95	100		
174	73.8	0.0	150.4
176	69.1	0.0	146.0

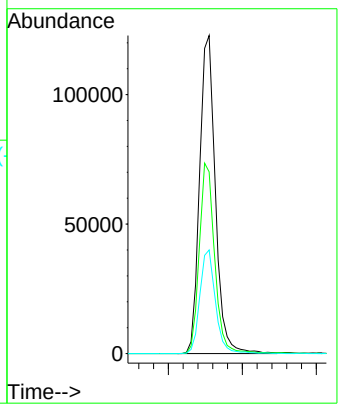


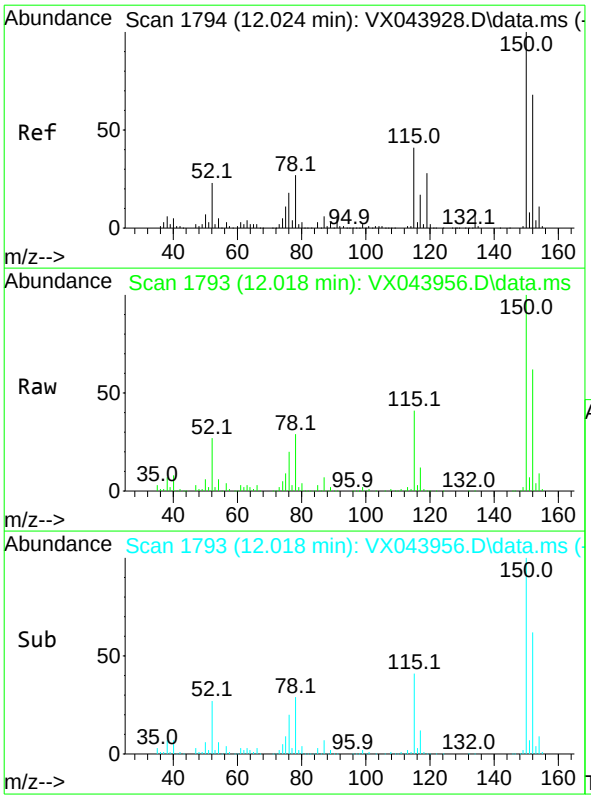


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX043956.D
Acq: 22 Nov 2024 13:48

Tgt Ion:117 Resp: 182100

Ion	Ratio	Lower	Upper
117	100		
82	57.1	46.4	69.6
119	32.6	24.6	37.0



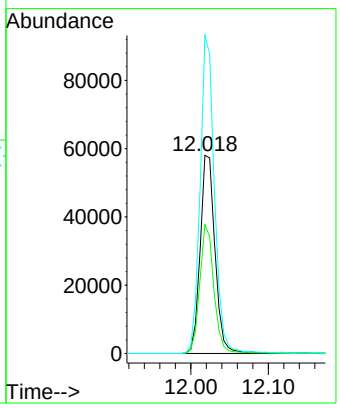


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 17
Delta R.T. -0.006 min
Lab File: VX043956.D
Acq: 22 Nov 2024 13:48

Instrument :
MSVOA_X
ClientSampleId :
TB-1-20241113

Tgt Ion:152 Resp: 77306

Ion	Ratio	Lower	Upper
152	100		
115	62.1	45.4	136.2
150	155.5	0.0	353.0



Sample Results: **VX043956.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043956.D
Acq On : 22 Nov 2024 13:48
Operator : JC/MD
Sample : P4846-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB-1-20241113

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\82X112124W.M
Title : SW846 8260

Signal : TIC: VX043956.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.240	21	25	31	rBV2	8719	11162	1.57%	0.304%
2	1.538	67	74	75	rBV2	7255	10036	1.42%	0.273%
3	1.581	75	81	82	rVV4	7826	13321	1.88%	0.363%
4	1.611	82	86	87	rBV4	5075	7612	1.07%	0.207%
5	5.379	693	704	721	rBV	79817	236972	33.44%	6.454%
6	5.550	721	732	748	rVV	122810	358085	50.53%	9.752%
7	5.952	789	798	814	rBV	95395	261951	36.96%	7.134%
8	6.757	921	930	946	rBV	205784	510793	72.07%	13.911%
9	8.647	1233	1240	1255	rBV	430203	708701	100.00%	19.302%
10	10.049	1465	1470	1486	rBV	408605	605575	85.45%	16.493%
11	11.079	1634	1639	1651	rBV	331987	433500	61.17%	11.806%
12	12.018	1788	1793	1805	rBV	401055	514030	72.53%	14.000%

Sum of corrected areas: 3671738

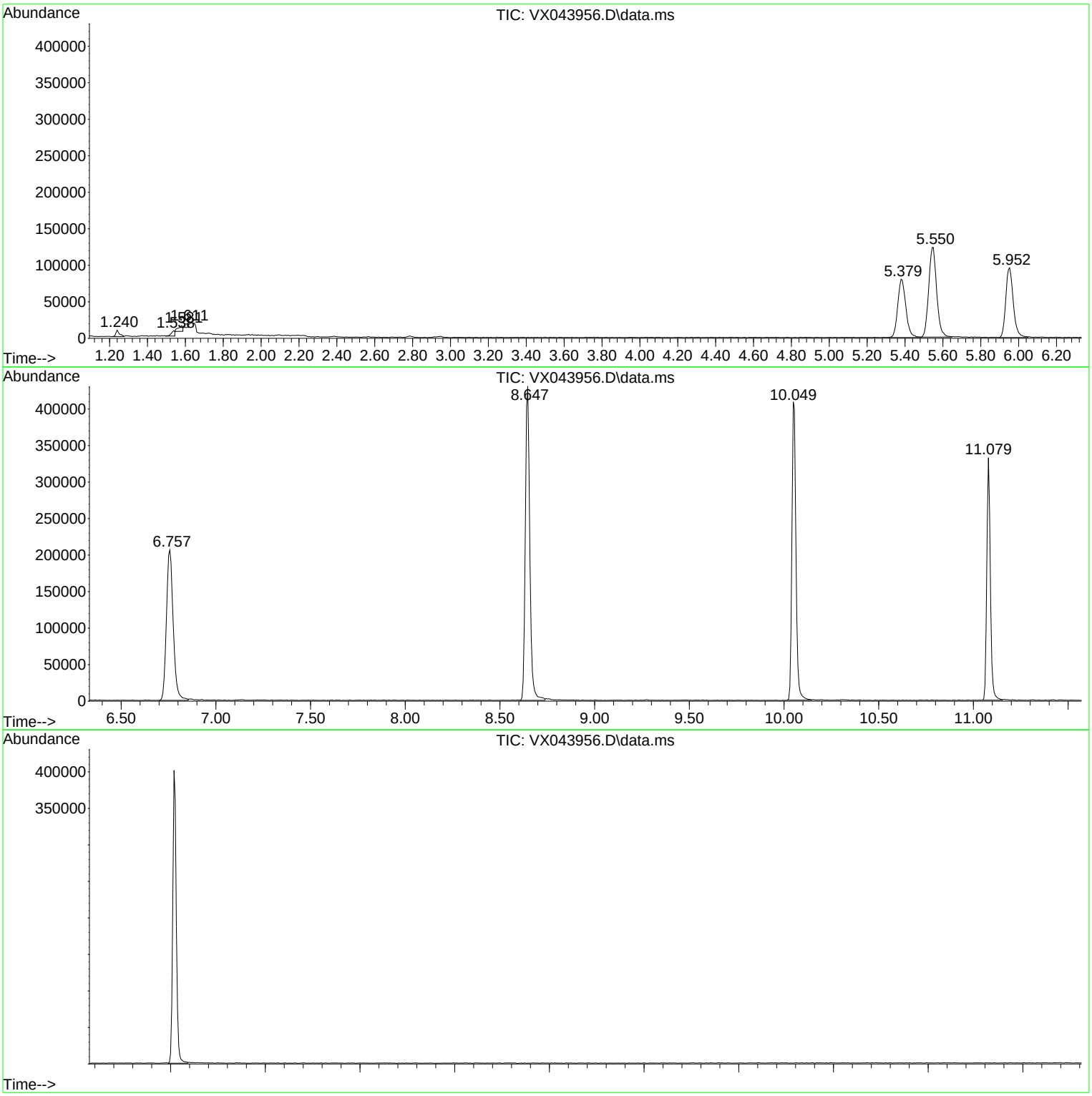
Sample Results: **VX043956.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043956.D
Acq On : 22 Nov 2024 13:48
Operator : JC/MD
Sample : P4846-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB-1-20241113

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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



Sample Results: **VX043956.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043956.D
Acq On : 22 Nov 2024 13:48
Operator : JC/MD
Sample : P4846-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB-1-20241113

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.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\VX112224\
Data File : VX043956.D
Acq On : 22 Nov 2024 13:48
Operator : JC/MD
Sample : P4846-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB-1-20241113

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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

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

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-RB-3-20241113	SDG No.:	P4846
Lab Sample ID:	P4846-10	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043957.D	1		11/22/24 14:11	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	10.7		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.48	J	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.40	J	0.18	0.50	1.00	ug/L

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-RB-3-20241113	SDG No.:	P4846
Lab Sample ID:	P4846-10	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043957.D	1		11/22/24 14:11	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.3		81 - 118		105%	SPK: 50
1868-53-7	Dibromofluoromethane	46.5		80 - 119		93%	SPK: 50
2037-26-5	Toluene-d8	50.1		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.1		85 - 114		94%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	112000	5.544				
540-36-3	1,4-Difluorobenzene	219000	6.757				
3114-55-4	Chlorobenzene-d5	192000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	77600	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							

Raw Data: **VX043957.D**

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-RB-3-20241113	SDG No.:	P4846
Lab Sample ID:	P4846-10	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043957.D	1		11/22/24 14:11	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
	unknown1.605	9.00	J			1.61	ug/L
67-63-0	Isopropyl Alcohol	5.50	J			2.56	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

Sample Results: **VX043957.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043957.D
Acq On : 22 Nov 2024 14:11
Operator : JC/MD
Sample : P4846-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-RB-3-20241113

Quant Time: Nov 22 22:22:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

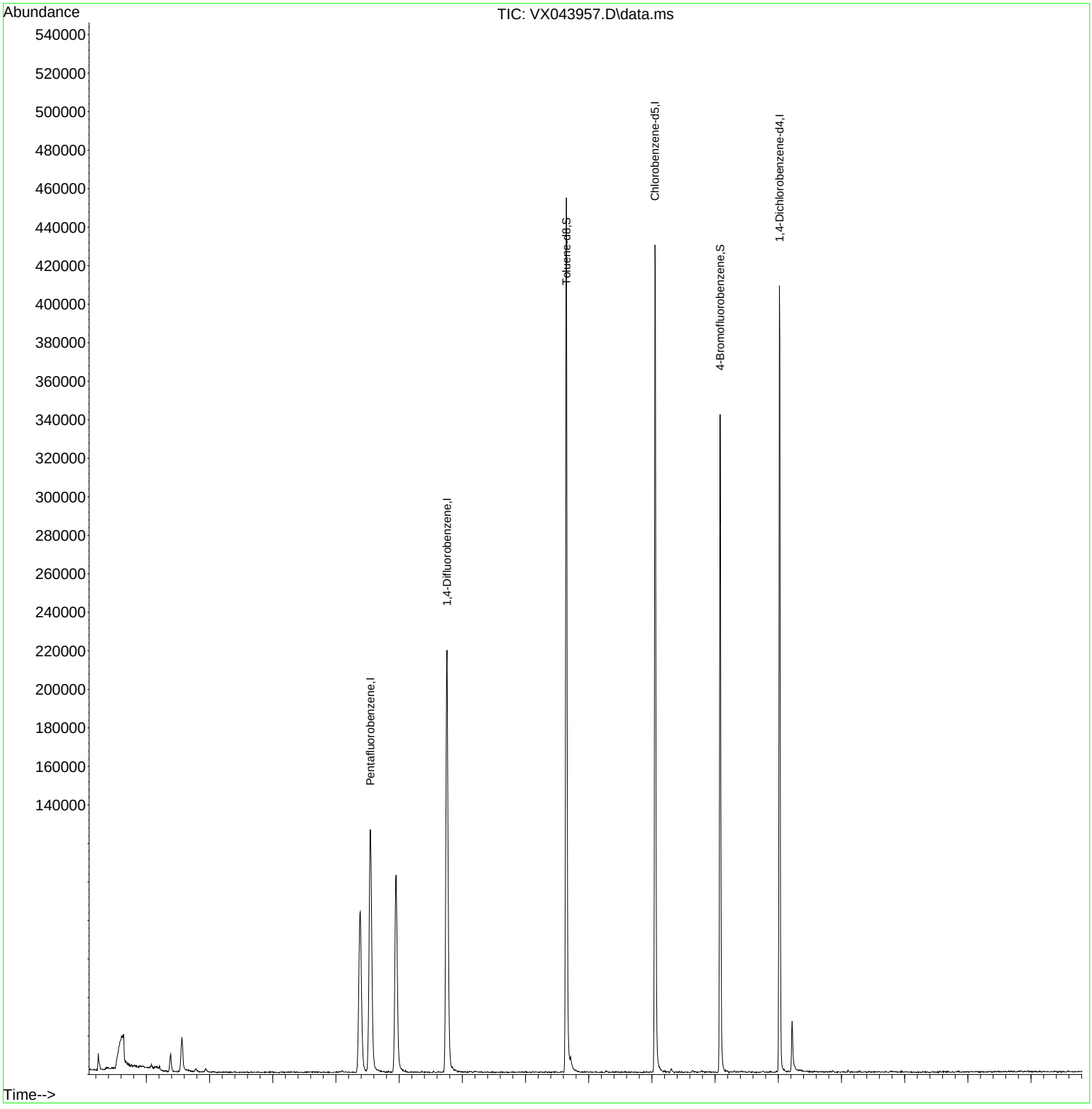
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	111620	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	218890	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	191816	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	77638	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	100149	52.312	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.620%			
35) Dibromofluoromethane	5.379	113	72805	46.548	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.100%			
50) Toluene-d8	8.647	98	270088	50.095	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.180%			
62) 4-Bromofluorobenzene	11.079	95	86343	47.056	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.120%			
Target Compounds						Qvalue
16) Acetone	2.386	43	9376	10.663	ug/l	93
20) Methylene Chloride	2.782	84	709	0.475	ug/l #	73
52) Toluene	8.714	92	1460	0.402	ug/l	97

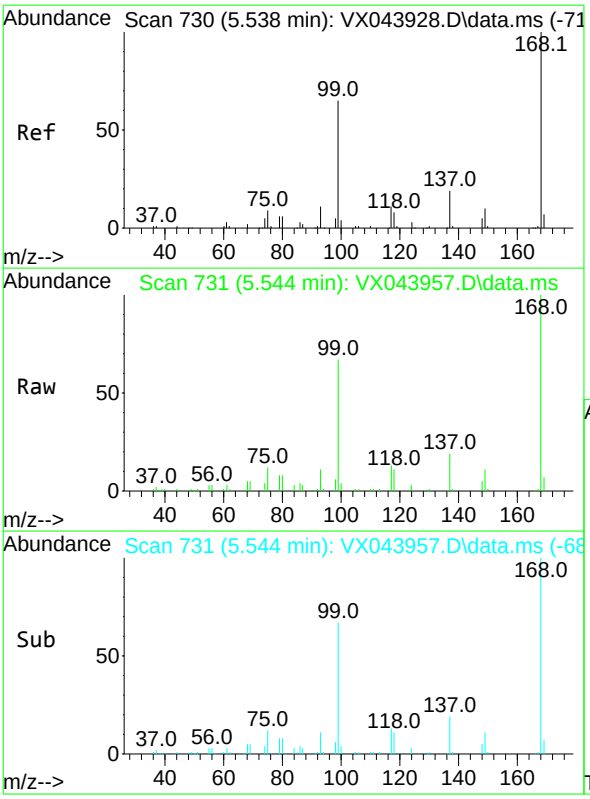
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043957.D
Acq On : 22 Nov 2024 14:11
Operator : JC/MD
Sample : P4846-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-RB-3-20241113

Quant Time: Nov 22 22:22:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



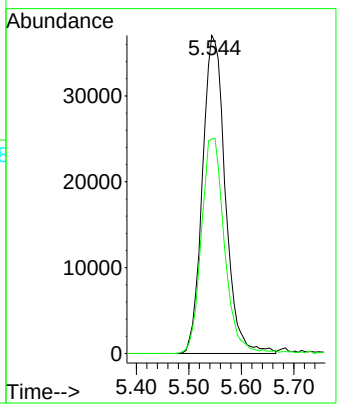


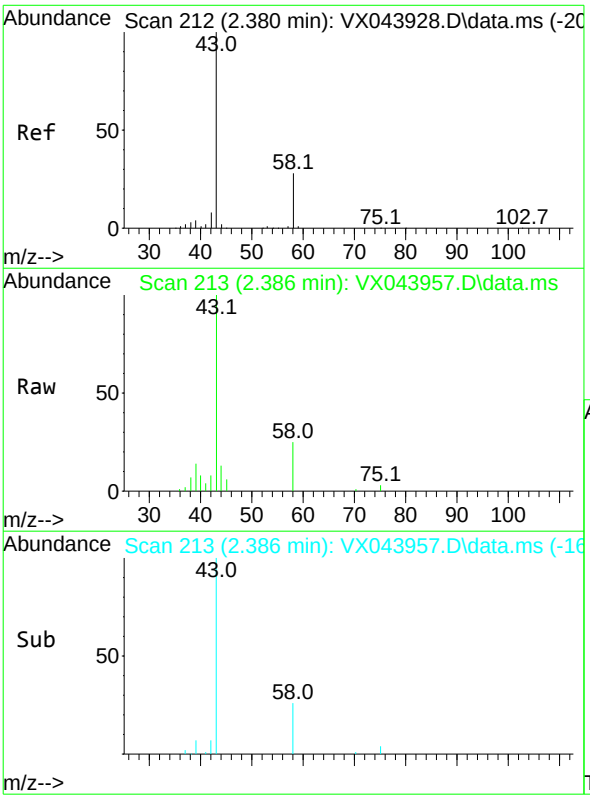
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. 0.006 min
Lab File: VX043957.D
Acq: 22 Nov 2024 14:11

Instrument :
MSVOA_X
ClientSampleId :
FSND-RB-3-20241113

Tgt Ion:168 Resp: 111620

Ion	Ratio	Lower	Upper
168	100		
99	67.4	51.8	77.8

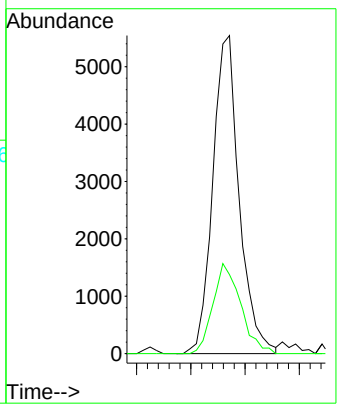


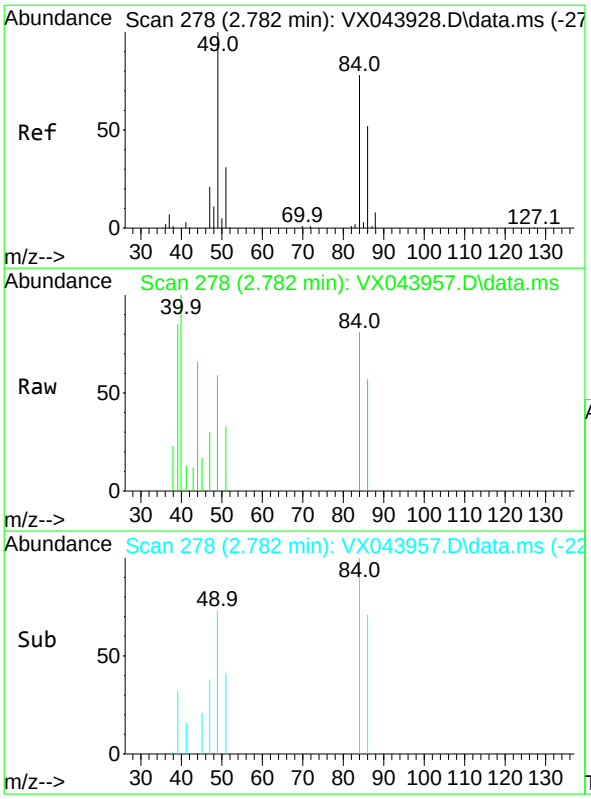


#16
Acetone
Concen: 10.663 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043957.D
Acq: 22 Nov 2024 14:11

Tgt Ion: 43 Resp: 9376

Ion	Ratio	Lower	Upper
43	100		
58	24.8	22.7	34.1



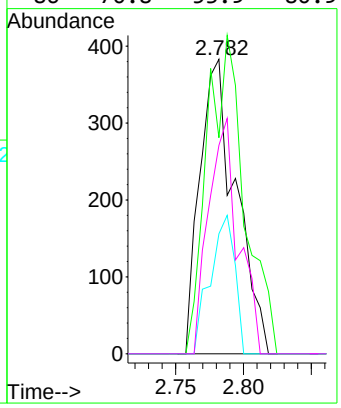


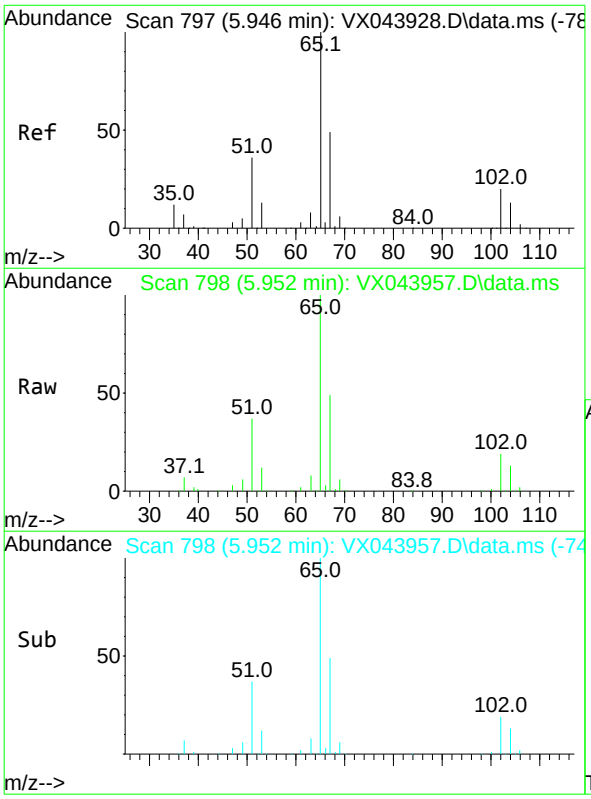
#20
Methylene Chloride
Concen: 0.475 ug/l
RT: 2.782 min Scan# 27
Delta R.T. -0.000 min
Lab File: VX043957.D
Acq: 22 Nov 2024 14:11

Instrument :
MSVOA_X
ClientSampleId :
FSND-RB-3-20241113

Tgt Ion: 84 Resp: 709

Ion	Ratio	Lower	Upper
84	100		
49	73.4	102.7	154.1#
51	40.7	31.7	47.5
86	70.8	53.9	80.9

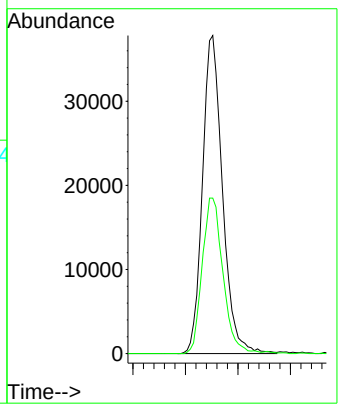


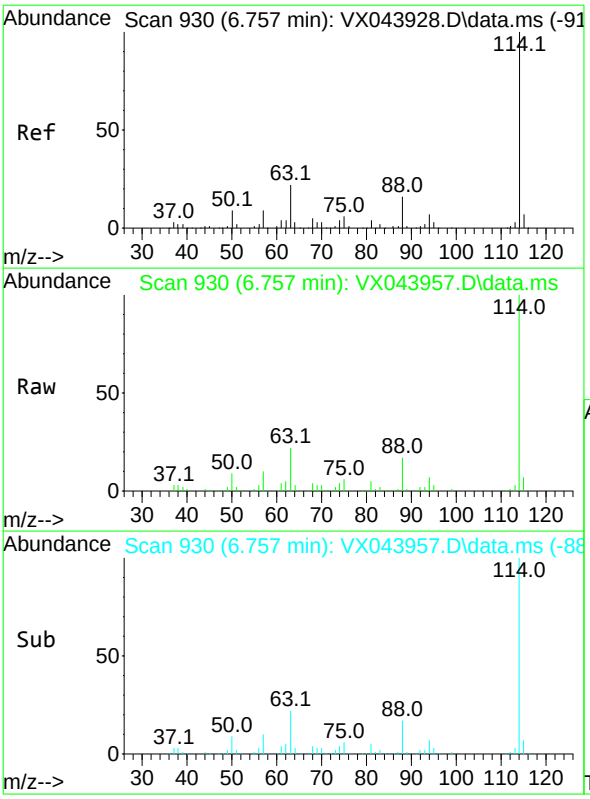


#33
1,2-Dichloroethane-d4
Concen: 52.312 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX043957.D
Acq: 22 Nov 2024 14:11

Tgt Ion: 65 Resp: 100149

Ion	Ratio	Lower	Upper
65	100		
67	50.6	0.0	100.8



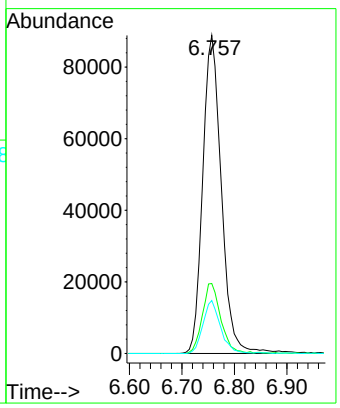


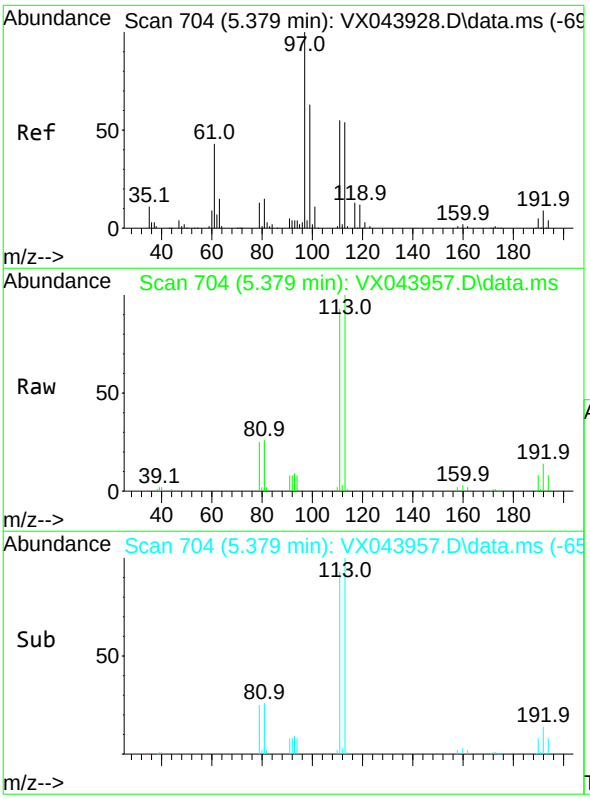
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. -0.000 min
Lab File: VX043957.D
Acq: 22 Nov 2024 14:11

Instrument :
MSVOA_X
ClientSampleId :
FSND-RB-3-20241113

Tgt Ion:114 Resp: 218890

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	44.0
88	16.7	0.0	32.4

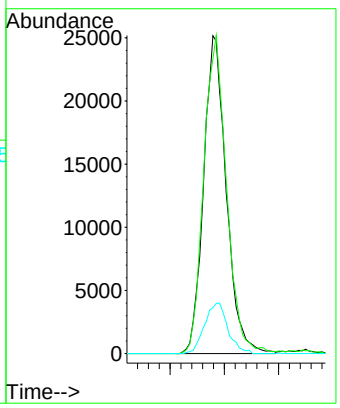


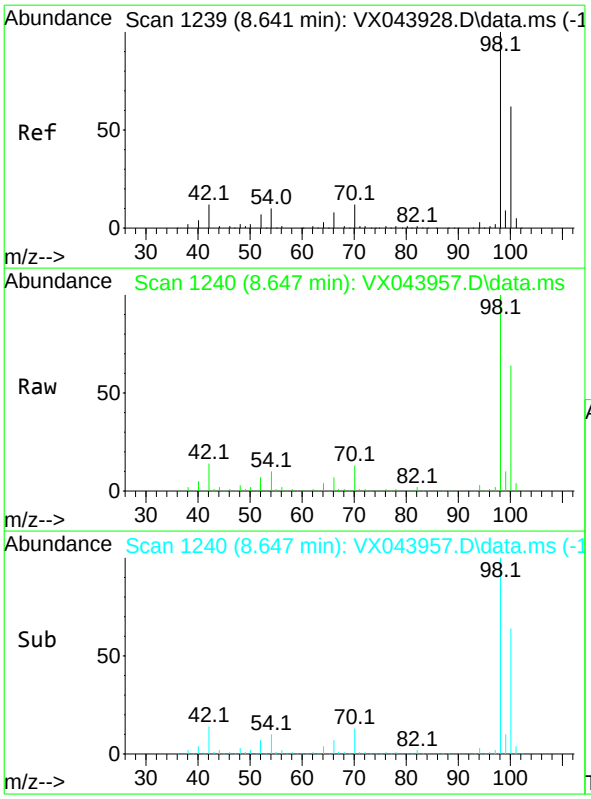


#35
Dibromofluoromethane
Concen: 46.548 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX043957.D
Acq: 22 Nov 2024 14:11

Tgt Ion:113 Resp: 72805

Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.0	121.4
192	16.3	13.0	19.6



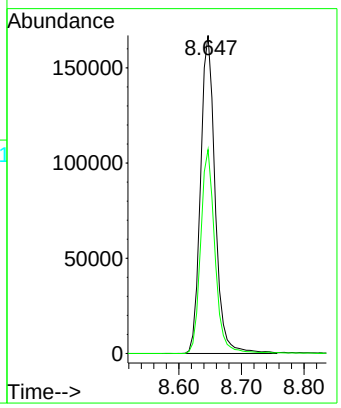


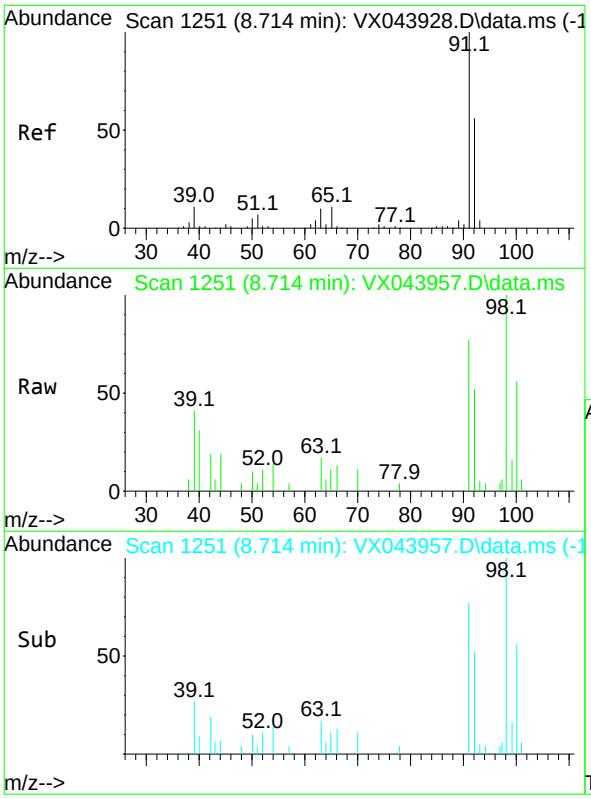
#50
Toluene-d8
Concen: 50.095 ug/l
RT: 8.647 min Scan# 12
Delta R.T. 0.006 min
Lab File: VX043957.D
Acq: 22 Nov 2024 14:11

Instrument :
MSVOA_X
ClientSampleId :
FSND-RB-3-20241113

Tgt Ion: 98 Resp: 270088

Ion	Ratio	Lower	Upper
98	100		
100	62.6	52.6	79.0

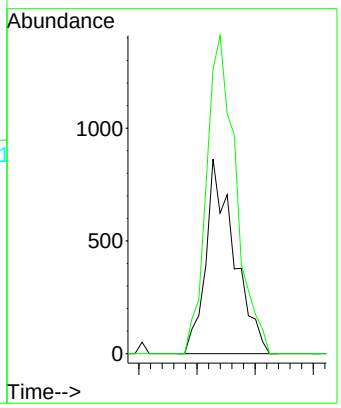


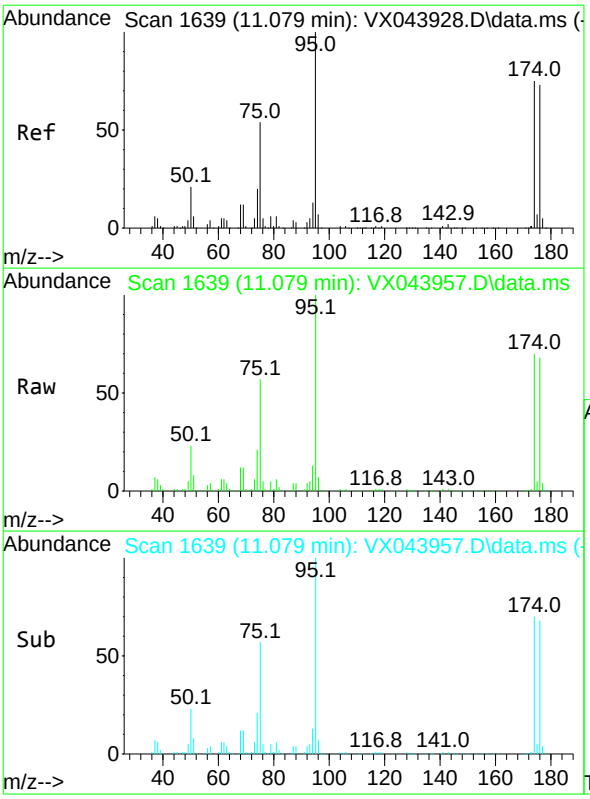


#52
Toluene
Concen: 0.402 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043957.D
Acq: 22 Nov 2024 14:11

Tgt Ion: 92 Resp: 1460

Ion	Ratio	Lower	Upper
92	100		
91	170.2	139.7	209.5



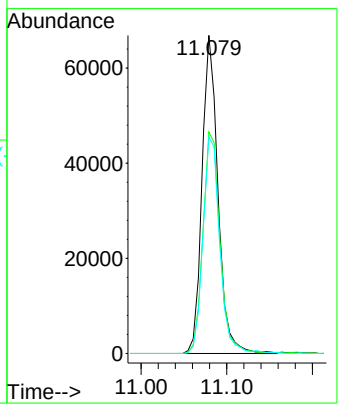


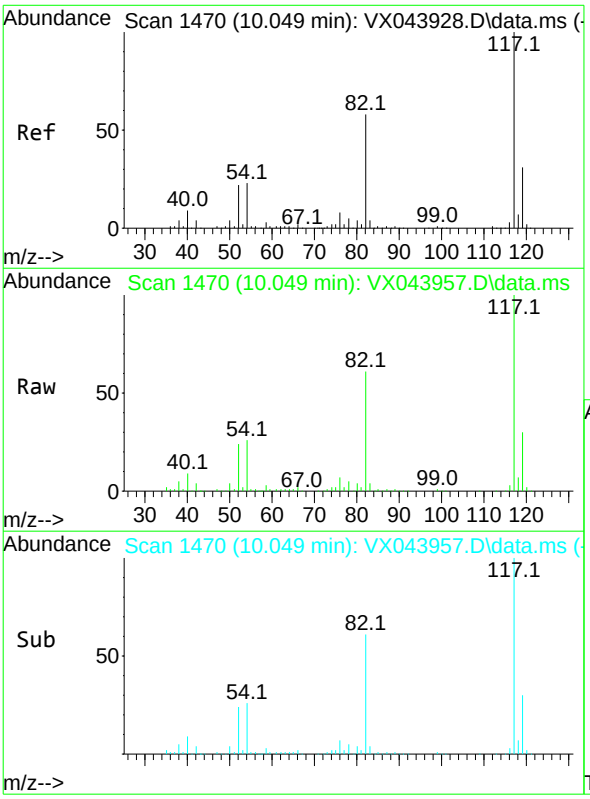
#62
4-Bromofluorobenzene
Concen: 47.056 ug/l
RT: 11.079 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043957.D
Acq: 22 Nov 2024 14:11

Instrument :
MSVOA_X
ClientSampleId :
FSND-RB-3-20241113

Tgt Ion: 95 Resp: 86343

Ion	Ratio	Lower	Upper
95	100		
174	75.0	0.0	150.4
176	71.9	0.0	146.0

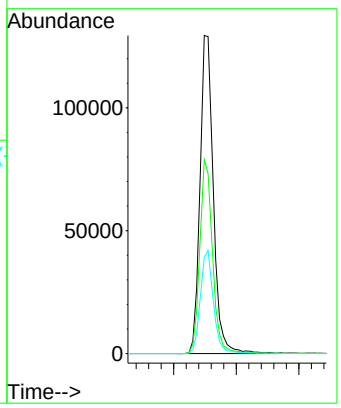


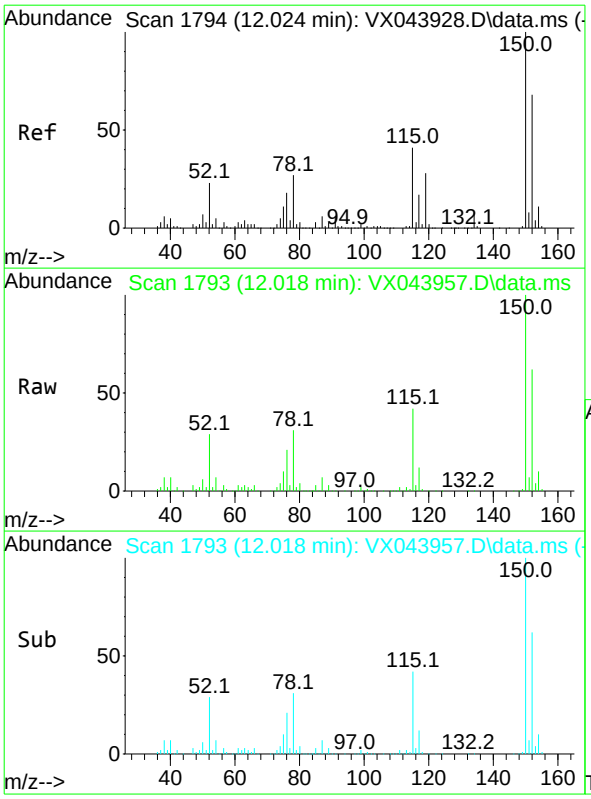


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX043957.D
Acq: 22 Nov 2024 14:11

Tgt Ion:117 Resp: 191816

Ion	Ratio	Lower	Upper
117	100		
82	61.0	46.4	69.6
119	30.2	24.6	37.0



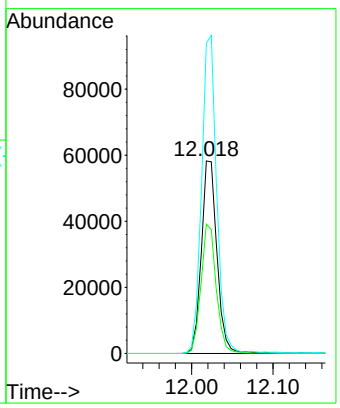


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 17
Delta R.T. -0.006 min
Lab File: VX043957.D
Acq: 22 Nov 2024 14:11

Instrument :
MSVOA_X
ClientSampleId :
FSND-RB-3-20241113

Tgt Ion:152 Resp: 77638

Ion	Ratio	Lower	Upper
152	100		
115	65.4	45.4	136.2
150	158.9	0.0	353.0



Sample Results: **VX043957.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043957.D
Acq On : 22 Nov 2024 14:11
Operator : JC/MD
Sample : P4846-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-RB-3-20241113

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\82X112124W.M
Title : SW846 8260

Signal : TIC: VX043957.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.239	22	25	32	rBV2	8742	11762	1.62%	0.297%
2	1.605	69	85	87	rBV3	16761	66709	9.17%	1.685%
3	2.386	206	213	220	rBV	9289	16726	2.30%	0.423%
4	2.562	233	242	253	rBV	17870	40626	5.59%	1.026%
5	5.385	694	705	718	rBV2	83515	250175	34.40%	6.320%
6	5.544	721	731	747	rVV	125450	369089	50.75%	9.325%
7	5.952	787	798	815	rBV2	102603	279498	38.43%	7.061%
8	6.757	921	930	943	rBV	219132	532846	73.26%	13.462%
9	8.647	1233	1240	1249	rBV	454235	727316	100.00%	18.375%
10	8.714	1249	1251	1263	rVB3	7279	14011	1.93%	0.354%
11	10.049	1465	1470	1485	rBV	429365	628744	86.45%	15.885%
12	11.079	1634	1639	1652	rBV	341411	448900	61.72%	11.341%
13	12.018	1788	1793	1804	rBV	408247	525409	72.24%	13.274%
14	12.219	1820	1826	1839	rBV2	26396	46408	6.38%	1.172%

Sum of corrected areas: 3958219

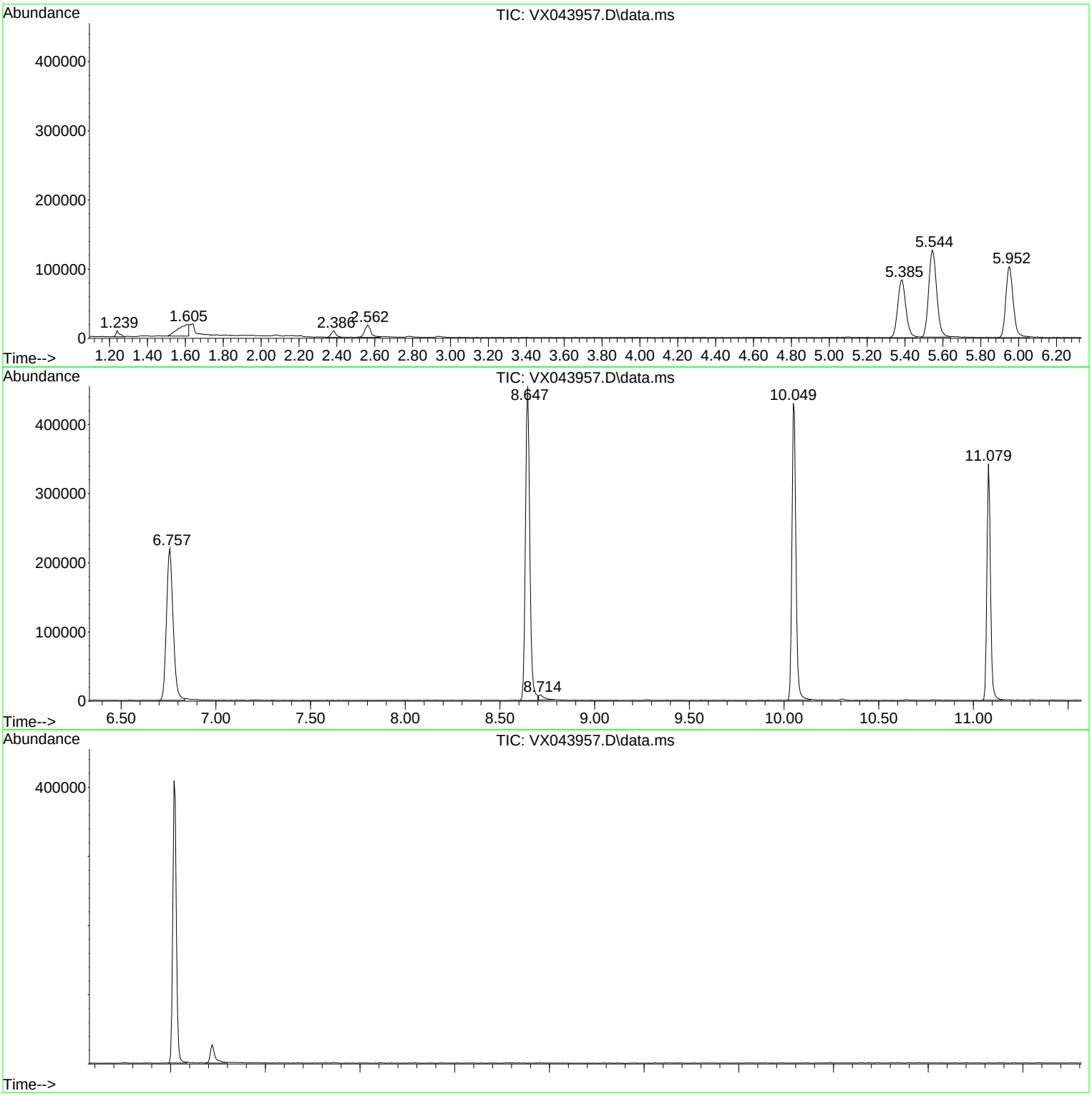
Sample Results: **VX043957.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043957.D
Acq On : 22 Nov 2024 14:11
Operator : JC/MD
Sample : P4846-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-RB-3-20241113

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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



Sample Results: **VX043957.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043957.D
Acq On : 22 Nov 2024 14:11
Operator : JC/MD
Sample : P4846-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-RB-3-20241113

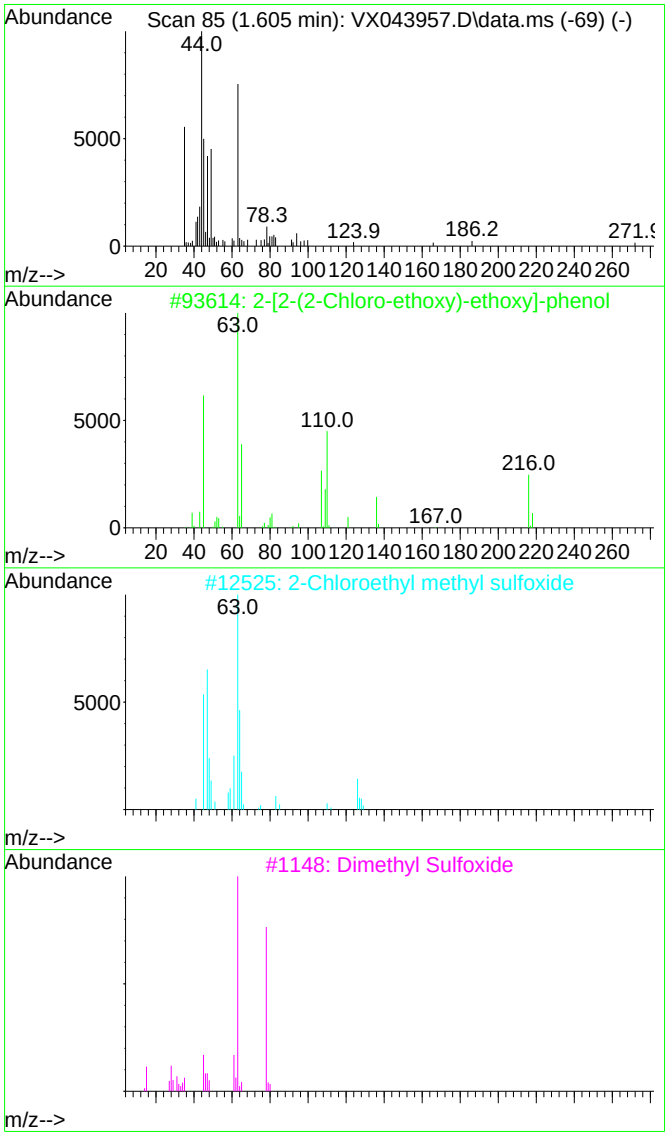
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Quant Title : SW846 8260

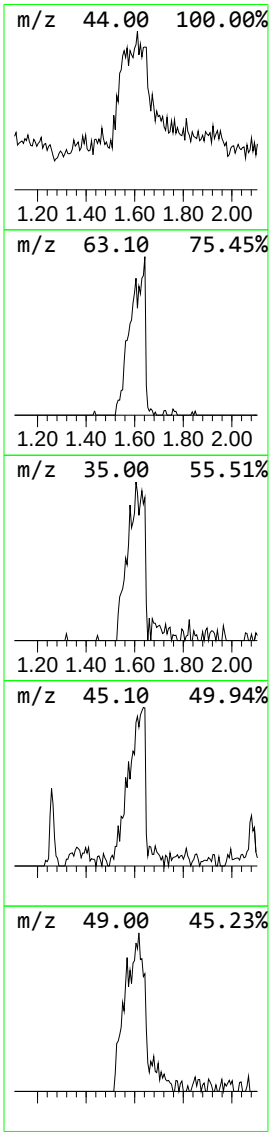
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 unknown1.605 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.605	9.04 ug/l	66709	Pentafluorobenzene	5.544

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-[2-(2-Chloro-ethoxy)-ethoxy]-p...	216	C10H13ClO3	1000317-46-1	43
2	2-Chloroethyl methyl sulfoxide	126	C3H7ClOS	005331-57-7	28
3	Dimethyl Sulfoxide	78	C2H6OS	000067-68-5	12
4	Dimethylsulfoxonium formylmethylide	120	C4H8O2S	031043-74-0	12
5	Phosgene	98	CCl2O	000075-44-5	9





Sample Results: **VX043957.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043957.D
Acq On : 22 Nov 2024 14:11
Operator : JC/MD
Sample : P4846-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-RB-3-20241113

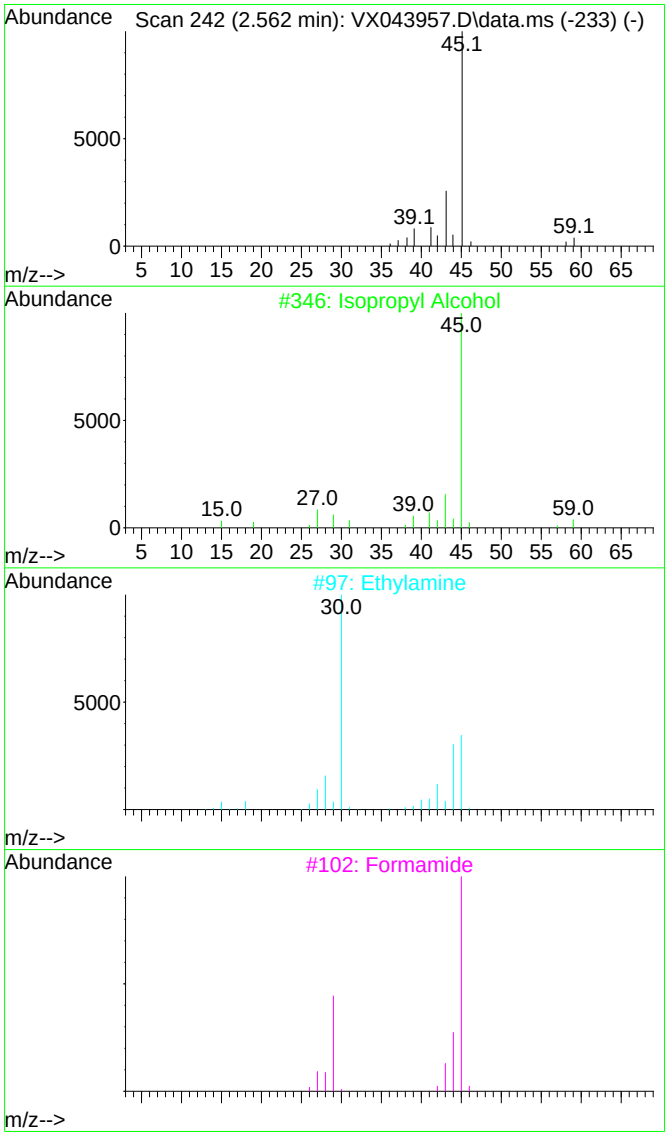
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

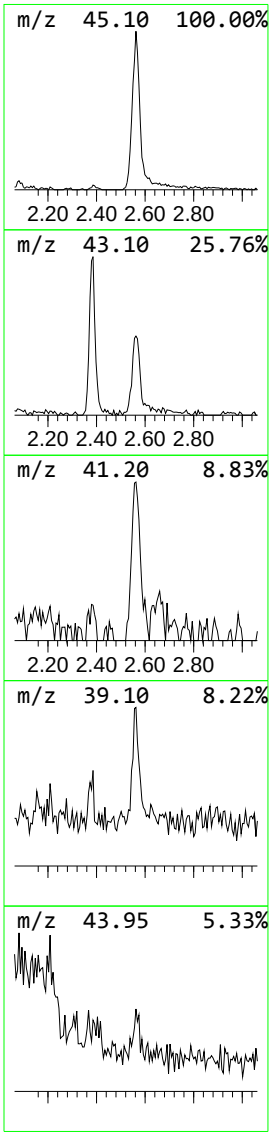
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Isopropyl Alcohol Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.562	5.50 ug/l	40626	Pentafluorobenzene	5.544

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl Alcohol	60	C3H8O	000067-63-0	64
2	Ethylamine	45	C2H7N	000075-04-7	5
3	Formamide	45	CH3NO	000075-12-7	4
4	Oxirane, (methoxymethyl)-	88	C4H8O2	000930-37-0	4
5	2-Propanone, 1-methoxy-	88	C4H8O2	005878-19-3	4





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043957.D
Acq On : 22 Nov 2024 14:11
Operator : JC/MD
Sample : P4846-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-RB-3-20241113

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown1.605	1.605	9.0	ug/l	66709	1	5.544	369089	50.0
Isopropyl Alcohol	2.562	5.5	ug/l	40626	1	5.544	369089	50.0

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-24-20241113	SDG No.:	P4846
Lab Sample ID:	P4846-11	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043963.D	1		11/22/24 16:29	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.2		0.26	0.75	1.00	ug/L
67-64-1	Acetone	1.50	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.32	J	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.20		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	80.8		0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	110		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-24-20241113	SDG No.:	P4846
Lab Sample ID:	P4846-11	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043963.D	1		11/22/24 16:29	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.8		81 - 118		104%	SPK: 50
1868-53-7	Dibromofluoromethane	47.0		80 - 119		94%	SPK: 50
2037-26-5	Toluene-d8	49.8		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.0		85 - 114		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	109000	5.544				
540-36-3	1,4-Difluorobenzene	210000	6.757				
3114-55-4	Chlorobenzene-d5	185000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	77300	12.018				

Raw Data: **VX043963.D**

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-24-20241113	SDG No.:	P4846
Lab Sample ID:	P4846-11	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043963.D	1		11/22/24 16:29	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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\VX112224\
Data File : VX043963.D
Acq On : 22 Nov 2024 16:29
Operator : JC/MD
Sample : P4846-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-24-20241113

Quant Time: Nov 22 22:25:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	108986	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	210122	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	184751	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	77269	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	96740	51.752	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.500%			
35) Dibromofluoromethane	5.379	113	70582	47.010	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.020%			
50) Toluene-d8	8.647	98	257899	49.830	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.660%			
62) 4-Bromofluorobenzene	11.079	95	86263	48.974	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.940%			
Target Compounds						Qvalue
3) Chloromethane	1.295	50	475	0.327	ug/l	91
4) Vinyl Chloride	1.374	62	434	0.281	ug/l #	7
12) 1,1-Dichloroethene	2.313	96	24148	19.229	ug/l	97
16) Acetone	2.386	43	1288	1.500	ug/l #	75
20) Methylene Chloride	2.782	84	463	0.318	ug/l #	88
21) trans-1,2-Dichloroethene	3.093	96	1530	1.180	ug/l #	77
27) cis-1,2-Dichloroethene	4.477	96	129512	80.809	ug/l	89
44) Trichloroethene	7.117	130	176944	107.251	ug/l	99

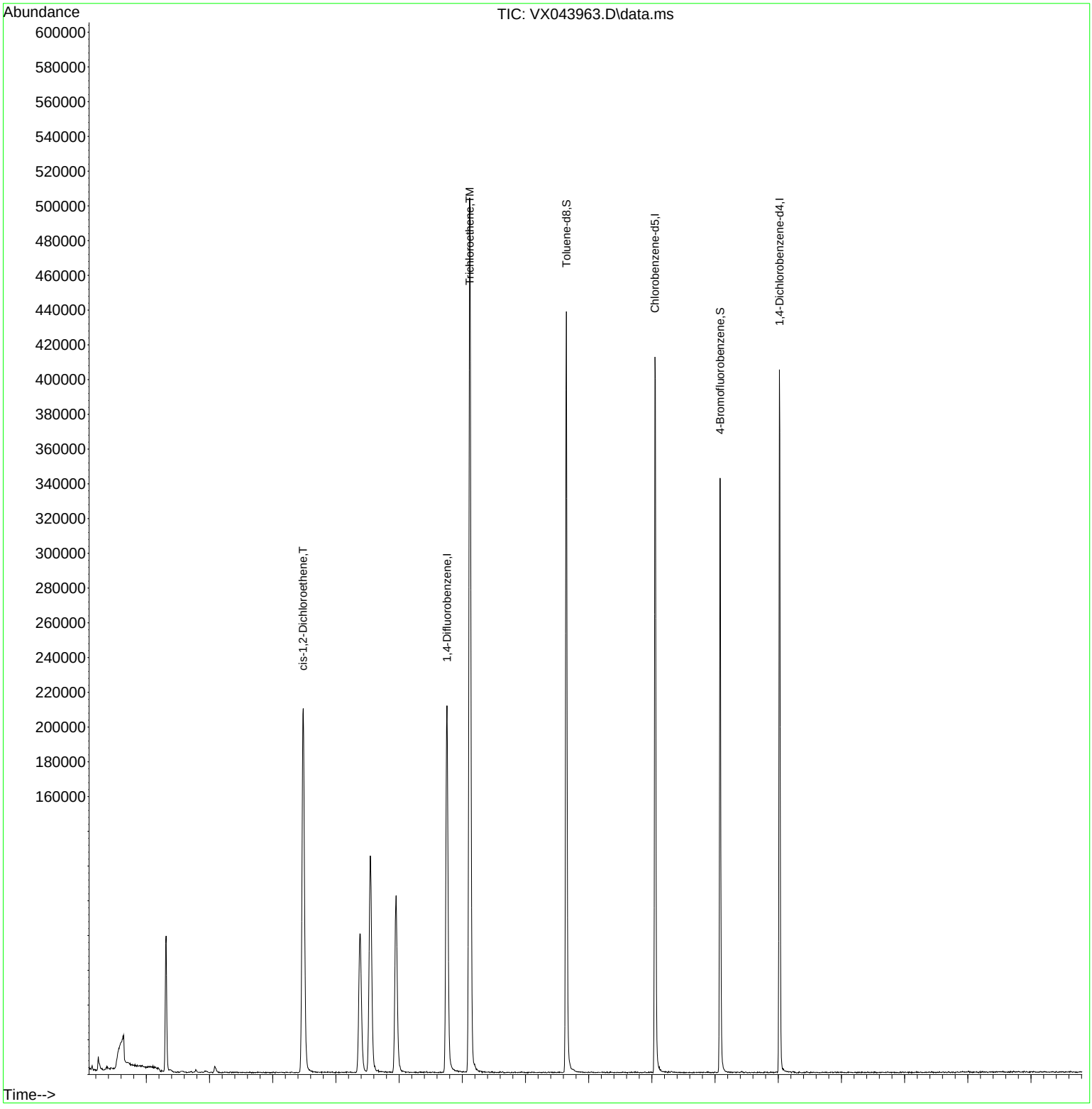
(#) = qualifier out of range (m) = manual integration (+) = signals summed

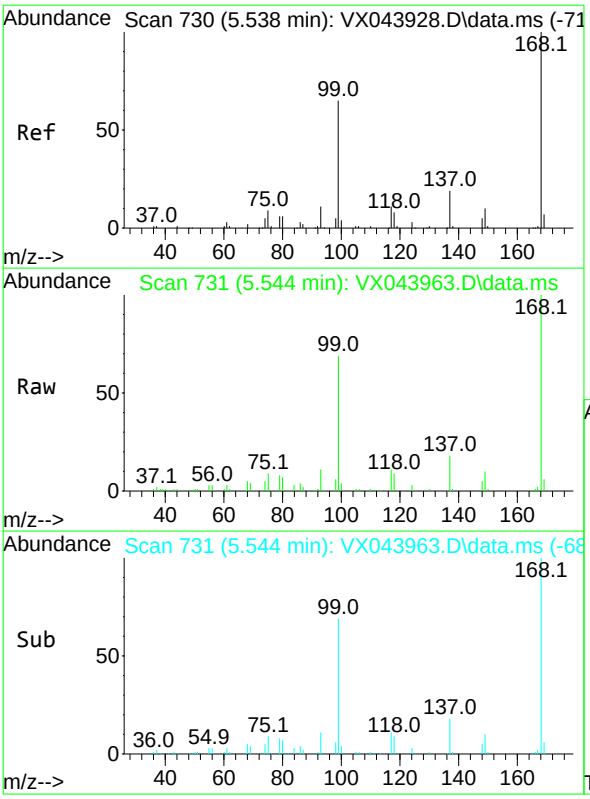
Sample Results: **VX043963.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043963.D
Acq On : 22 Nov 2024 16:29
Operator : JC/MD
Sample : P4846-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-24-20241113

Quant Time: Nov 22 22:25:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



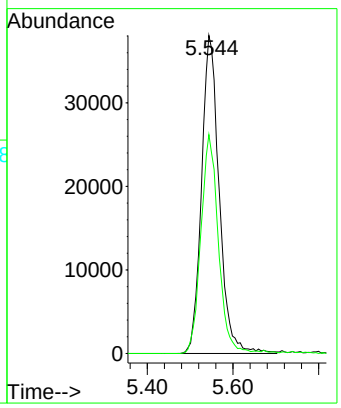


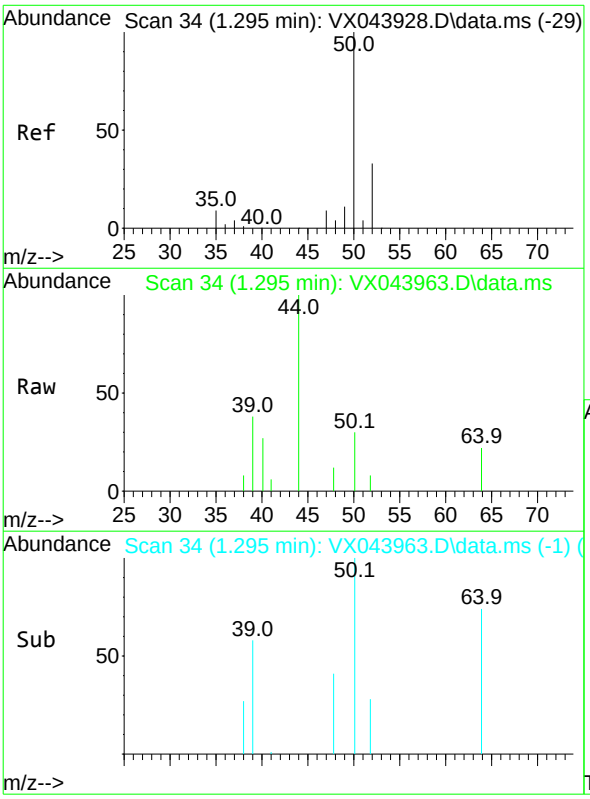
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. 0.006 min
Lab File: VX043963.D
Acq: 22 Nov 2024 16:29

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-24-20241113

Tgt Ion:168 Resp: 108986

Ion	Ratio	Lower	Upper
168	100		
99	68.8	51.8	77.8

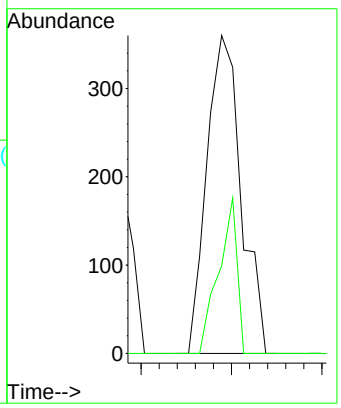


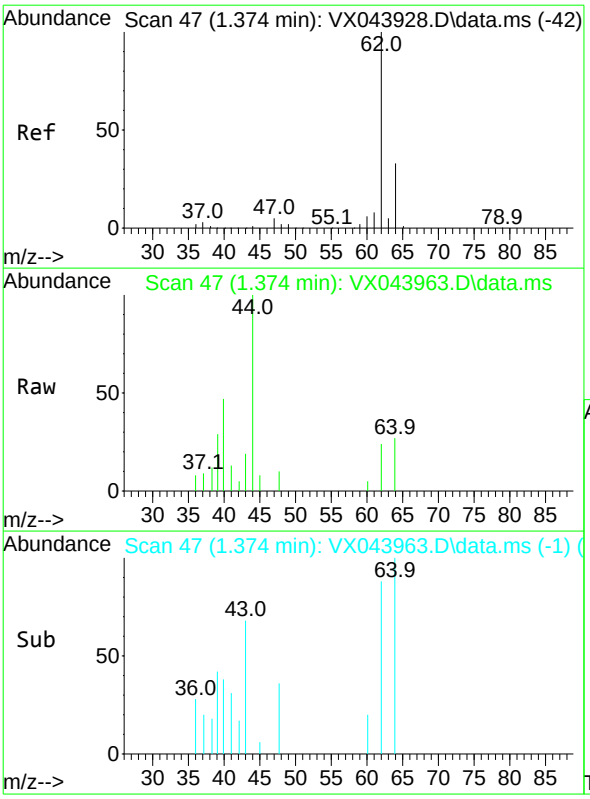


#3
Chloromethane
Concen: 0.327 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX043963.D
Acq: 22 Nov 2024 16:29

Tgt Ion: 50 Resp: 475

Ion	Ratio	Lower	Upper
50	100		
52	27.5	26.1	39.1



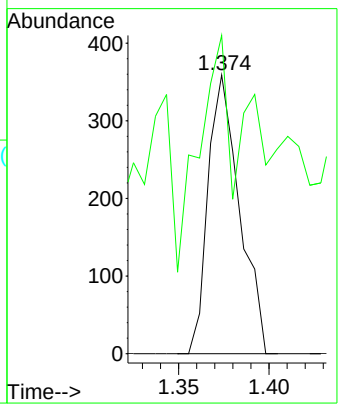


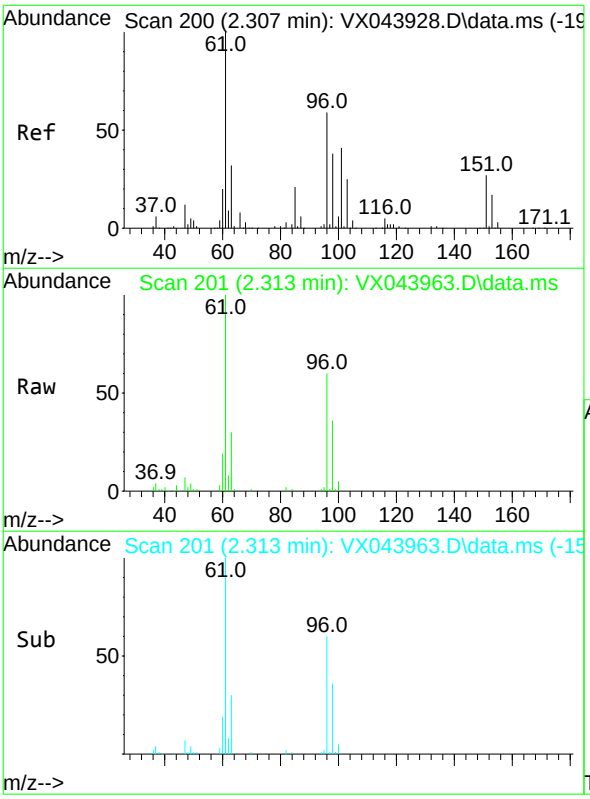
#4
Vinyl Chloride
Concen: 0.281 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043963.D
Acq: 22 Nov 2024 16:29

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-24-20241113

Tgt Ion: 62 Resp: 434

Ion	Ratio	Lower	Upper
62	100		
64	85.0	26.2	39.4#

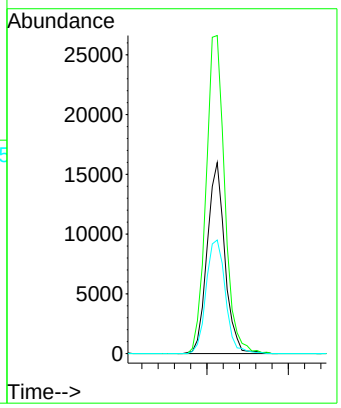


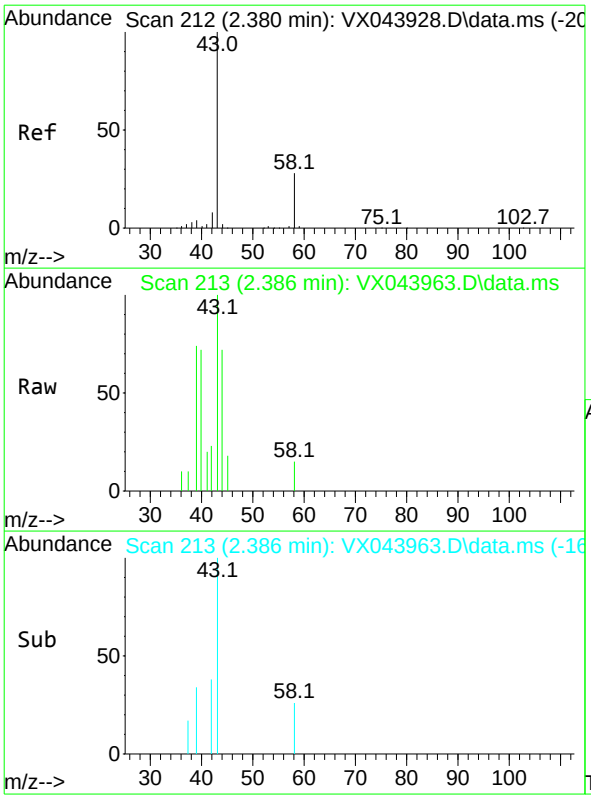


#12
1,1-Dichloroethene
Concen: 19.229 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX043963.D
Acq: 22 Nov 2024 16:29

Tgt Ion: 96 Resp: 24148

Ion	Ratio	Lower	Upper
96	100		
61	166.5	135.5	203.3
98	59.5	50.8	76.2



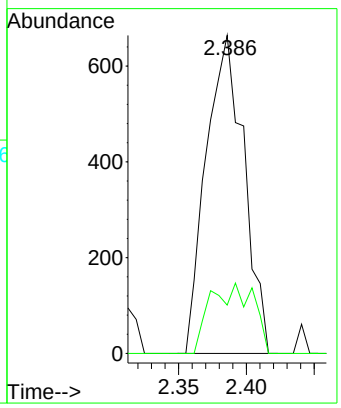


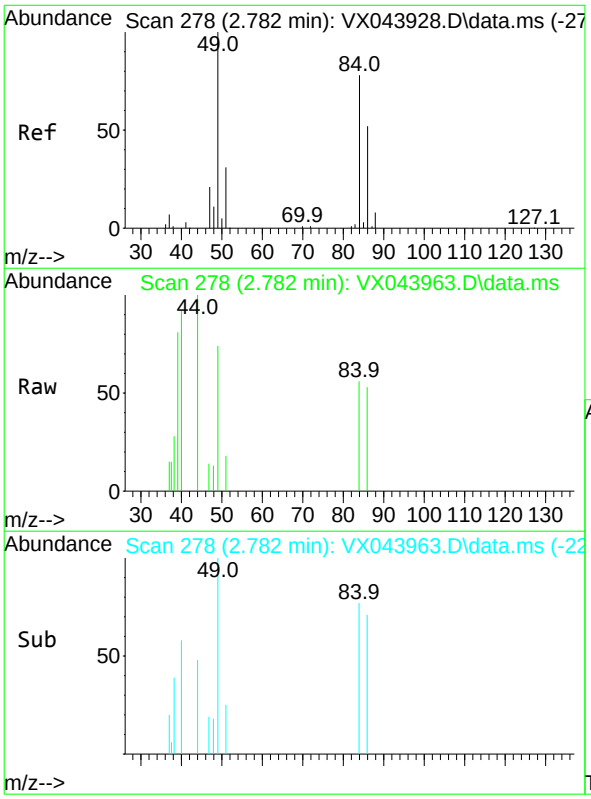
#16
Acetone
Concen: 1.500 ug/l
RT: 2.386 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX043963.D
Acq: 22 Nov 2024 16:29

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-24-20241113

Tgt Ion: 43 Resp: 1288

Ion	Ratio	Lower	Upper
43	100		
58	15.2	22.7	34.1#

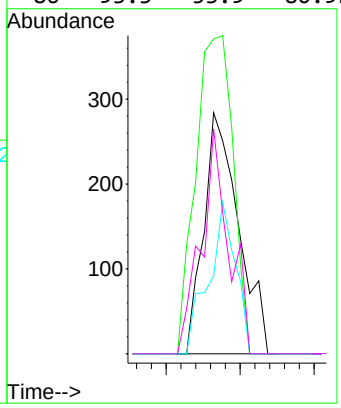


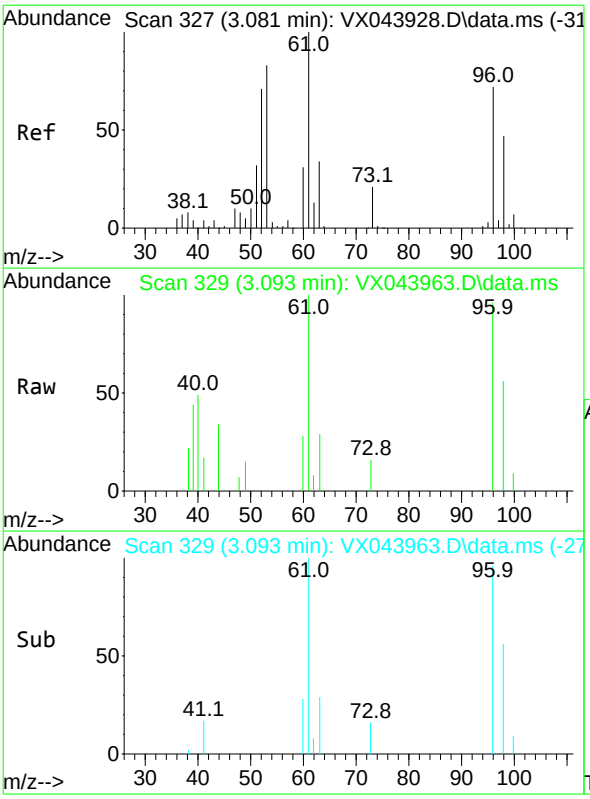


#20
Methylene Chloride
Concen: 0.318 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043963.D
Acq: 22 Nov 2024 16:29

Tgt Ion: 84 Resp: 463

Ion	Ratio	Lower	Upper
84	100		
49	130.6	102.7	154.1
51	32.4	31.7	47.5
86	93.3	53.9	80.9#



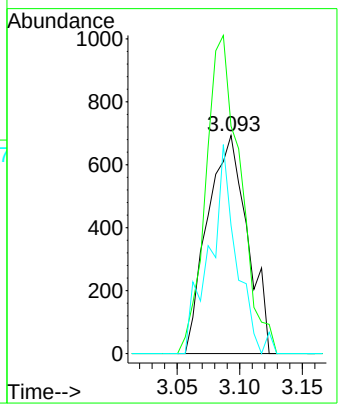


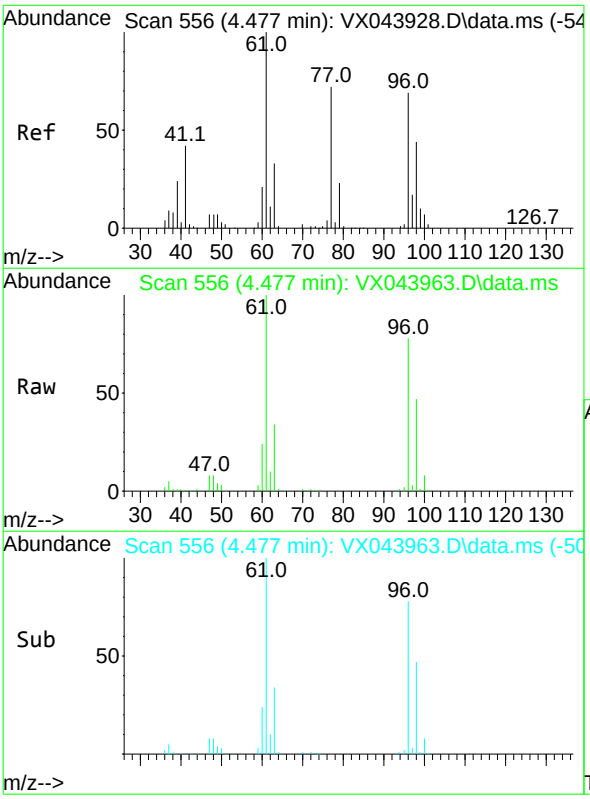
#21
trans-1,2-Dichloroethene
Concen: 1.180 ug/l
RT: 3.093 min Scan# 32
Delta R.T. 0.012 min
Lab File: VX043963.D
Acq: 22 Nov 2024 16:29

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-24-20241113

Tgt Ion: 96 Resp: 1530

Ion	Ratio	Lower	Upper
96	100		
61	104.3	111.8	167.6#
98	58.9	52.7	79.1

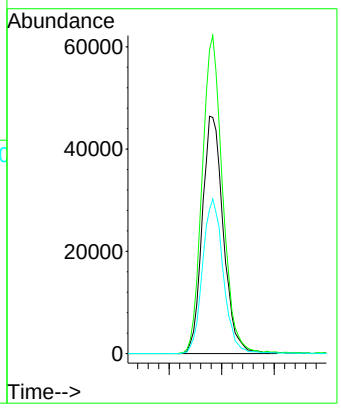


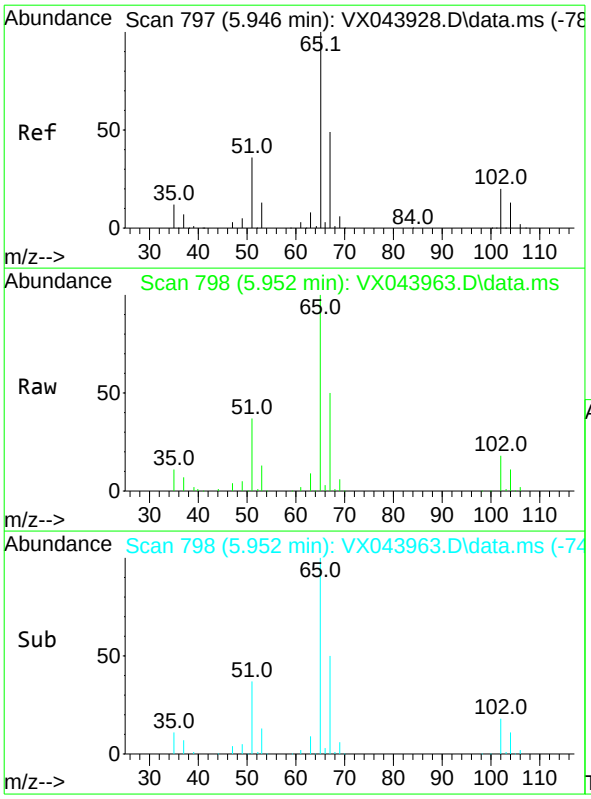


#27
cis-1,2-Dichloroethene
Concen: 80.809 ug/l
RT: 4.477 min Scan# 556
Delta R.T. -0.000 min
Lab File: VX043963.D
Acq: 22 Nov 2024 16:29

Tgt Ion: 96 Resp: 129512

Ion	Ratio	Lower	Upper
96	100		
61	129.4	0.0	297.4
98	63.9	0.0	127.8



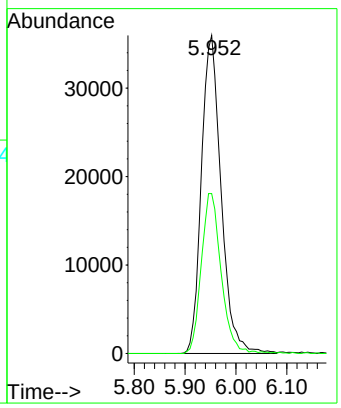


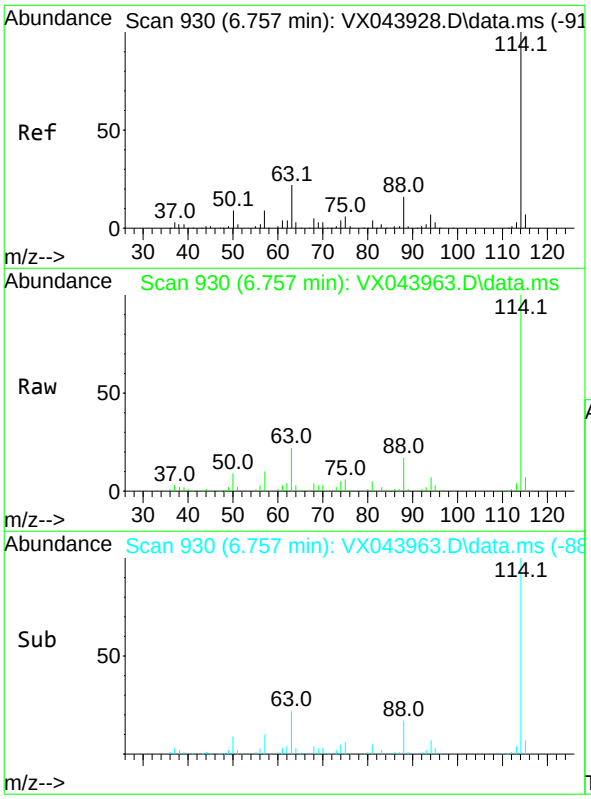
#33
1,2-Dichloroethane-d4
Concen: 51.752 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.006 min
Lab File: VX043963.D
Acq: 22 Nov 2024 16:29

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-24-20241113

Tgt Ion: 65 Resp: 96740

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	100.8

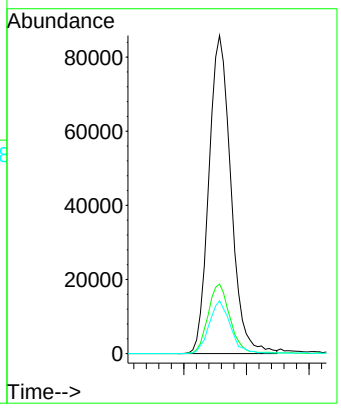


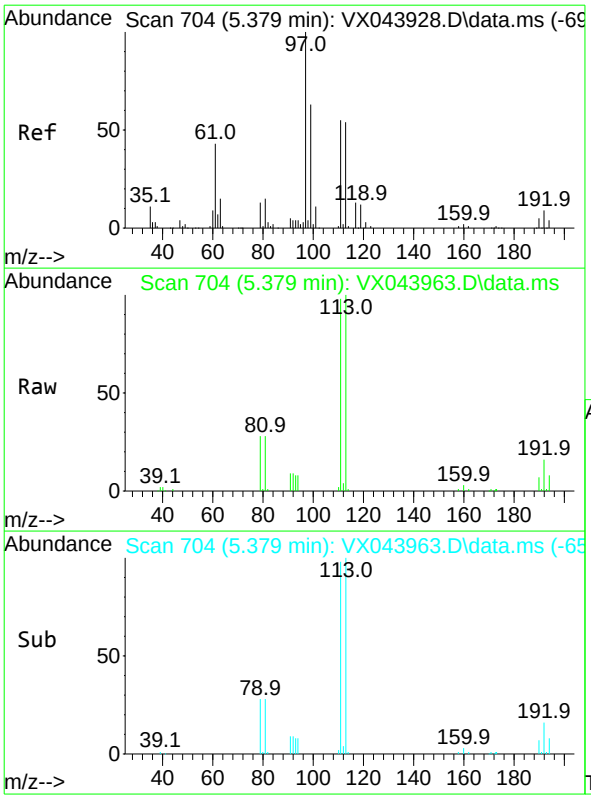


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043963.D
Acq: 22 Nov 2024 16:29

Tgt Ion:114 Resp: 210122

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	44.0
88	16.6	0.0	32.4



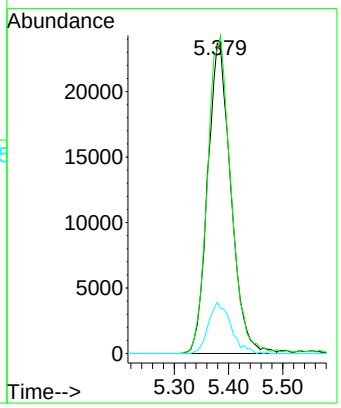


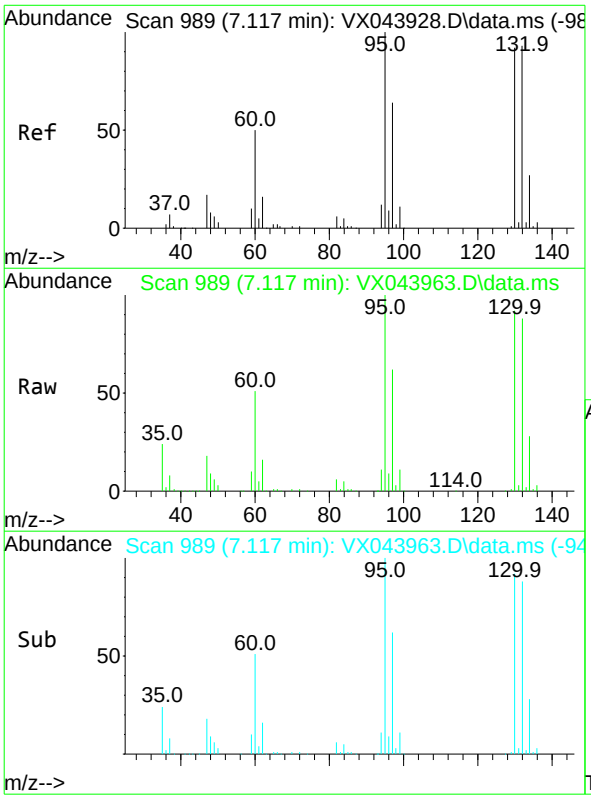
#35
Dibromofluoromethane
Concen: 47.010 ug/l
RT: 5.379 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX043963.D
Acq: 22 Nov 2024 16:29

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-24-20241113

Tgt Ion:113 Resp: 70582

Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.0	121.4
192	16.0	13.0	19.6

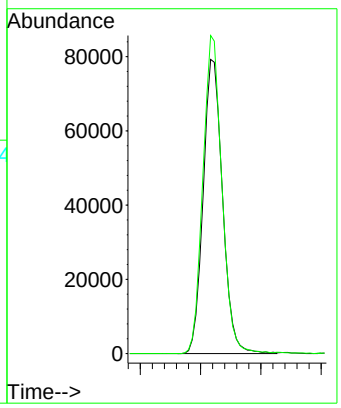


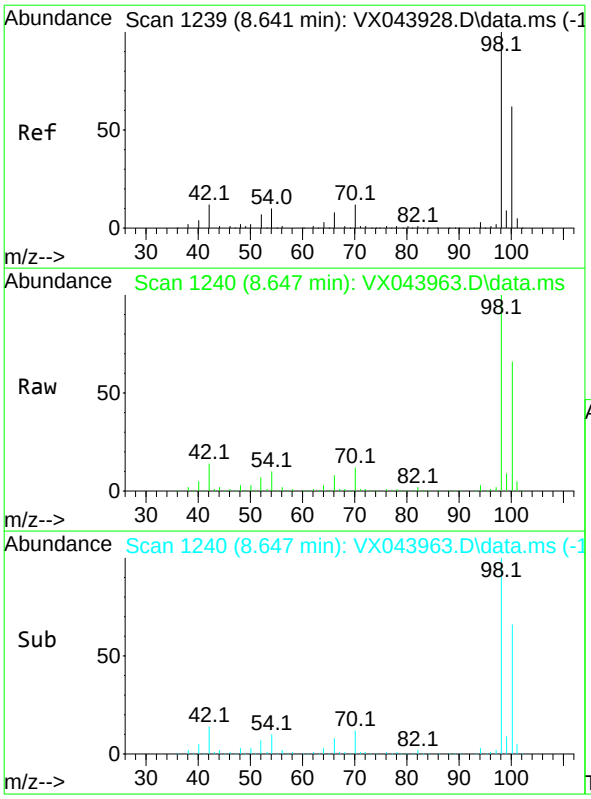


#44
Trichloroethene
Concen: 107.251 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.000 min
Lab File: VX043963.D
Acq: 22 Nov 2024 16:29

Tgt Ion:130 Resp: 176944

Ion	Ratio	Lower	Upper
130	100		
95	108.1	0.0	217.8



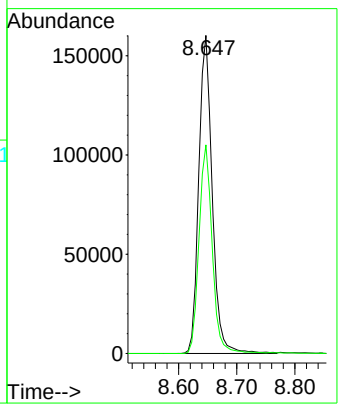


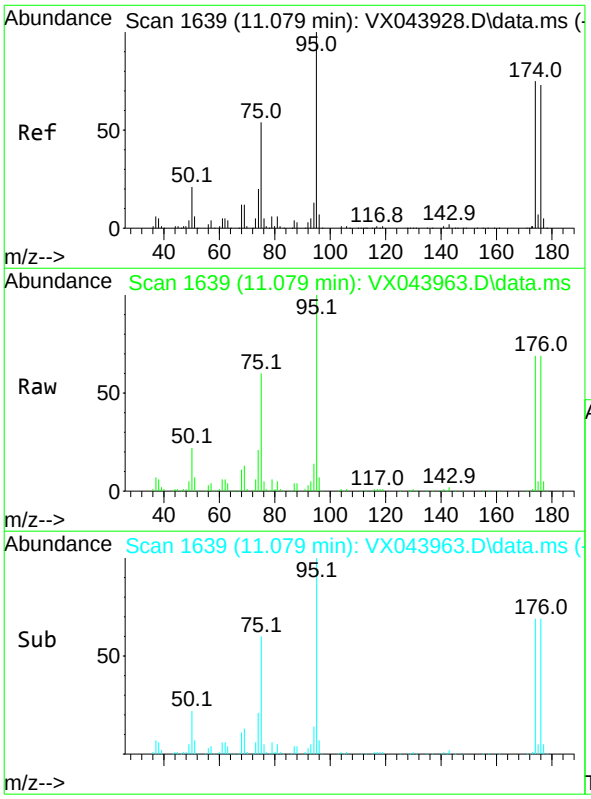
#50
Toluene-d8
Concen: 49.830 ug/l
RT: 8.647 min Scan# 12
Delta R.T. 0.006 min
Lab File: VX043963.D
Acq: 22 Nov 2024 16:29

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-24-20241113

Tgt Ion: 98 Resp: 257899

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.6	79.0

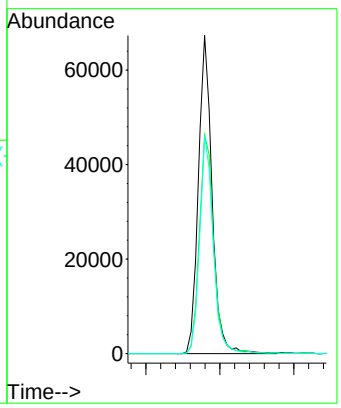


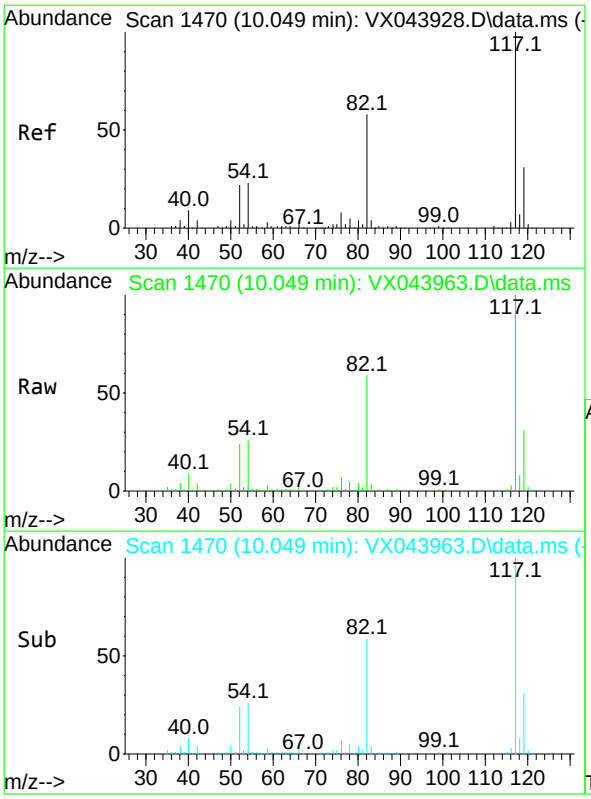


#62
4-Bromofluorobenzene
Concen: 48.974 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043963.D
Acq: 22 Nov 2024 16:29

Tgt Ion: 95 Resp: 86263

Ion	Ratio	Lower	Upper
95	100		
174	72.4	0.0	150.4
176	68.1	0.0	146.0



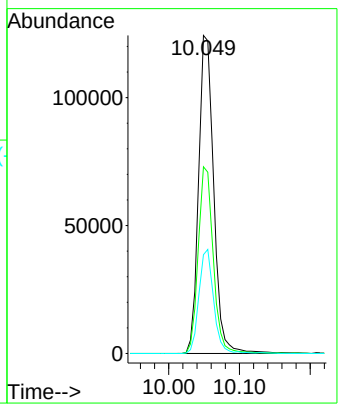


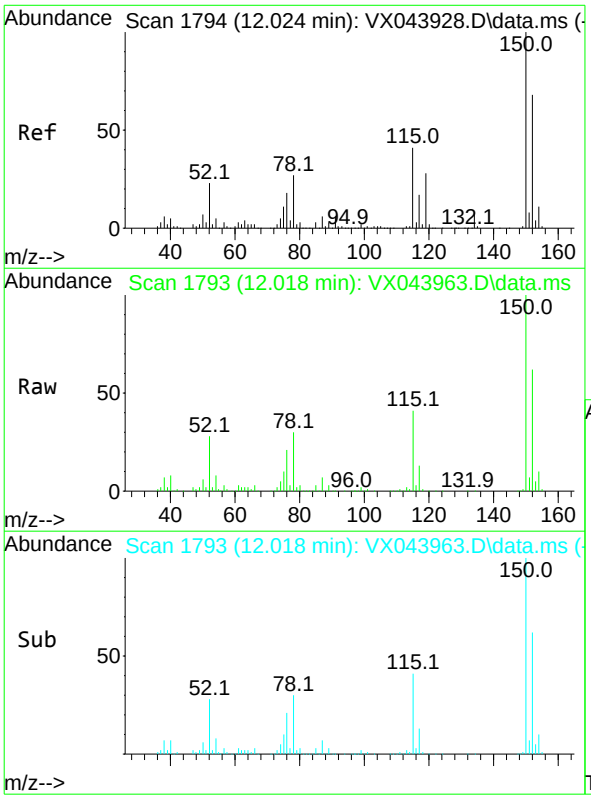
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043963.D
Acq: 22 Nov 2024 16:29

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-24-20241113

Tgt Ion:117 Resp: 184751

Ion	Ratio	Lower	Upper
117	100		
82	58.7	46.4	69.6
119	31.1	24.6	37.0

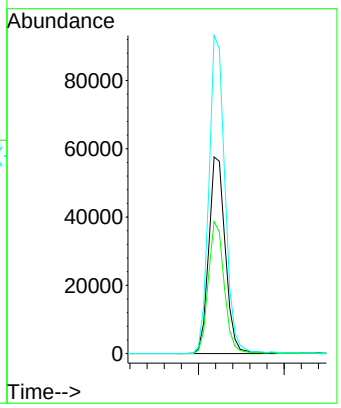




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043963.D
Acq: 22 Nov 2024 16:29

Tgt Ion:152 Resp: 77269

Ion	Ratio	Lower	Upper
152	100		
115	64.6	45.4	136.2
150	157.7	0.0	353.0



Sample Results: **VX043963.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043963.D
Acq On : 22 Nov 2024 16:29
Operator : JC/MD
Sample : P4846-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-24-20241113

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\82X112124W.M
Title : SW846 8260

Signal : TIC: VX043963.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.240	21	25	34	rBV2	7840	12962	1.18%	0.236%
2	2.313	194	201	208	rBV	77928	121830	11.09%	2.221%
3	4.483	543	557	578	rBV	209697	584014	53.15%	10.649%
4	5.379	692	704	720	rBV	79900	241202	21.95%	4.398%
5	5.544	720	731	747	rVV	124153	356612	32.46%	6.503%
6	5.952	788	798	813	rBV	101920	272389	24.79%	4.967%
7	6.757	920	930	948	rBV	211158	518598	47.20%	9.456%
8	7.117	980	989	1006	rBV	503311	1098732	100.00%	20.034%
9	8.647	1233	1240	1255	rBV	437837	706676	64.32%	12.886%
10	10.049	1465	1470	1480	rBV	412128	611239	55.63%	11.145%
11	11.079	1634	1639	1655	rBV	341987	438743	39.93%	8.000%
12	12.018	1788	1793	1808	rBV	404693	521229	47.44%	9.504%

Sum of corrected areas: 5484226

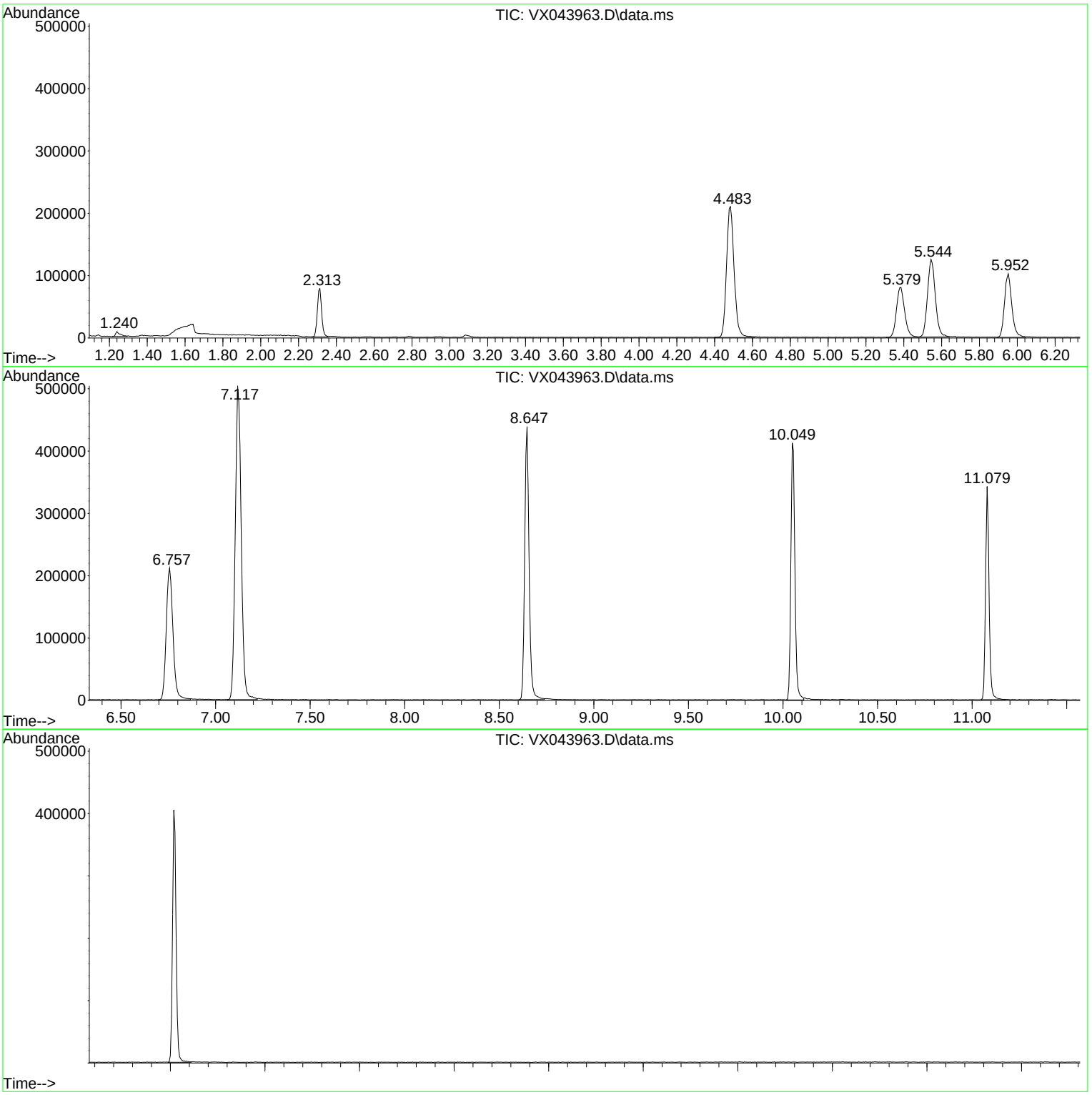
Sample Results: **VX043963.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043963.D
Acq On : 22 Nov 2024 16:29
Operator : JC/MD
Sample : P4846-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-24-20241113

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VX043963.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043963.D
Acq On : 22 Nov 2024 16:29
Operator : JC/MD
Sample : P4846-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-24-20241113

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.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\VX112224\
Data File : VX043963.D
Acq On : 22 Nov 2024 16:29
Operator : JC/MD
Sample : P4846-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-24-20241113

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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

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

Raw Data: **VX043964.D**

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-15-20241113	SDG No.:	P4846
Lab Sample ID:	P4846-12	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043964.D	1		11/22/24 16:52	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	1.60	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	3.30		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	120		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

Raw Data: **VX043964.D**

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-15-20241113	SDG No.:	P4846
Lab Sample ID:	P4846-12	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043964.D	1		11/22/24 16:52	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.86	J	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.0		81 - 118		104%	SPK: 50
1868-53-7	Dibromofluoromethane	46.5		80 - 119		93%	SPK: 50
2037-26-5	Toluene-d8	49.4		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.6		85 - 114		93%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	110000	5.544				
540-36-3	1,4-Difluorobenzene	213000	6.757				
3114-55-4	Chlorobenzene-d5	183000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	74100	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							

Raw Data: **VX043964.D**

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-15-20241113	SDG No.:	P4846
Lab Sample ID:	P4846-12	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043964.D	1		11/22/24 16:52	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
	unknown1.611	9.50	J			1.61	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

Sample Results: **VX043964.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043964.D
Acq On : 22 Nov 2024 16:52
Operator : JC/MD
Sample : P4846-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-15-20241113

Quant Time: Nov 22 22:26:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	110220	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	212874	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	183450	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	74078	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	98252	51.973	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.940%			
35) Dibromofluoromethane	5.385	113	70681	46.467	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 92.940%			
50) Toluene-d8	8.647	98	259074	49.410	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.820%			
62) 4-Bromofluorobenzene	11.079	95	83219	46.635	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.280%			
Target Compounds						Qvalue
16) Acetone	2.386	43	1355	1.561	ug/l #	85
32) 1,1,1-Trichloroethane	5.379	97	7945	3.346	ug/l	95
44) Trichloroethene	7.123	130	204919	122.602	ug/l	92
64) Tetrachloroethene	9.275	164	1044	0.863	ug/l #	74

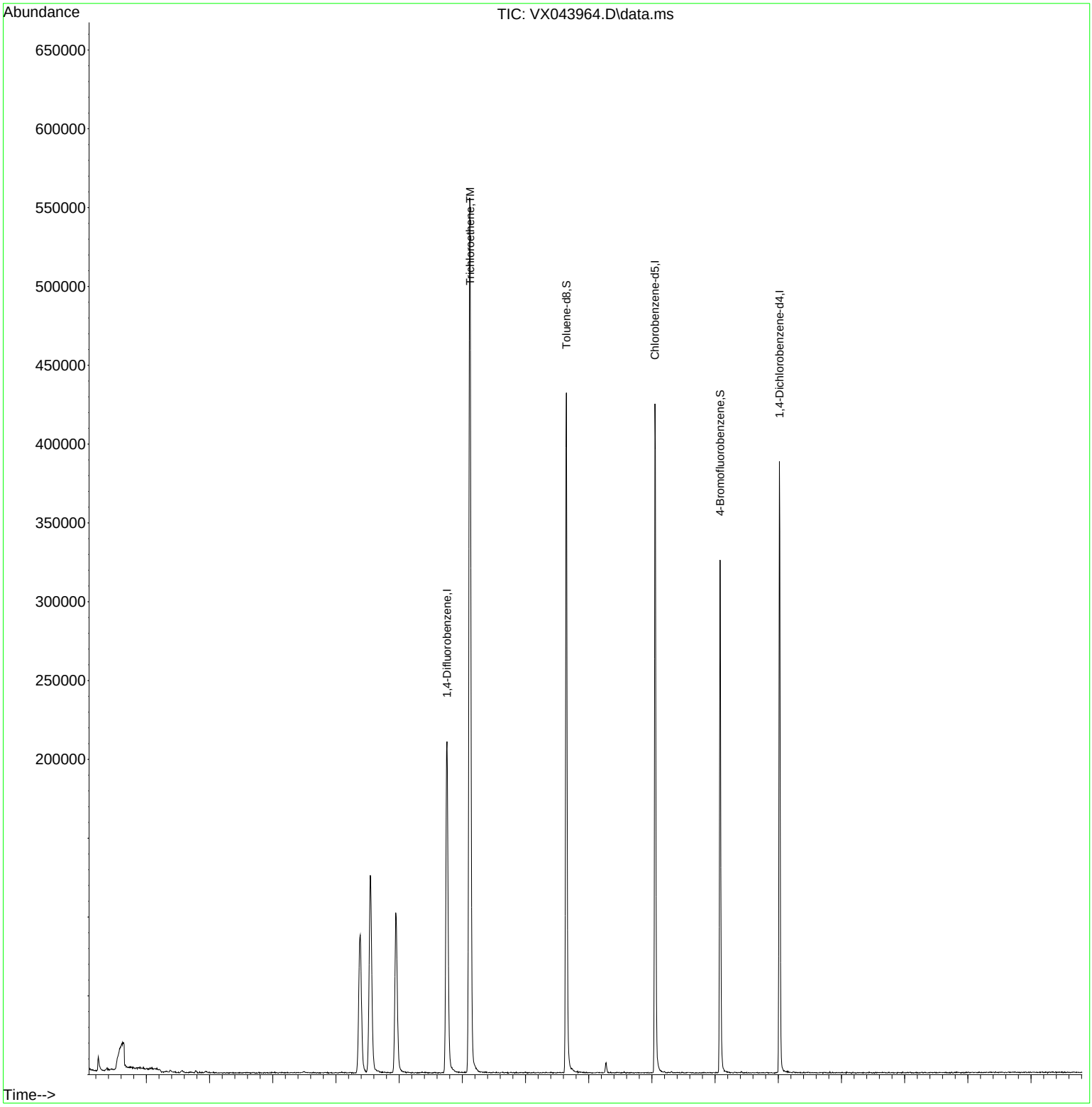
(#) = qualifier out of range (m) = manual integration (+) = signals summed

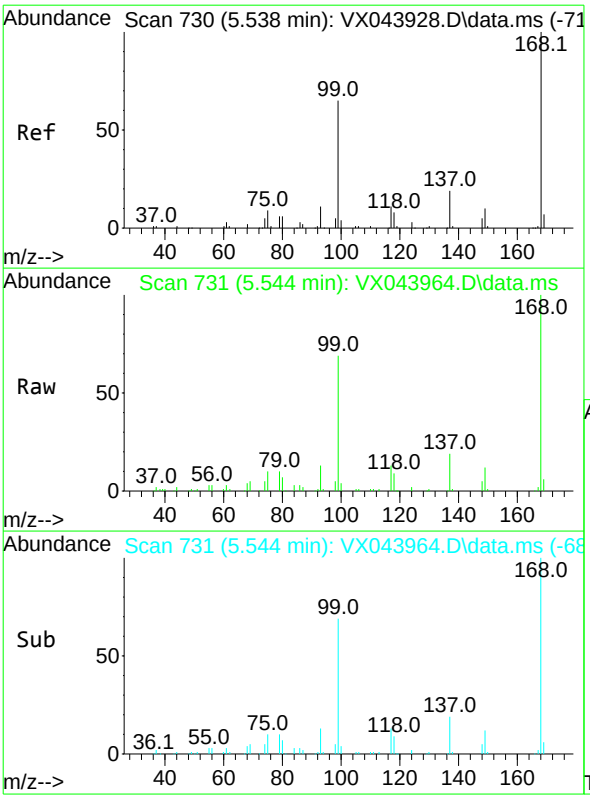
Sample Results: **VX043964.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043964.D
Acq On : 22 Nov 2024 16:52
Operator : JC/MD
Sample : P4846-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-15-20241113

Quant Time: Nov 22 22:26:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



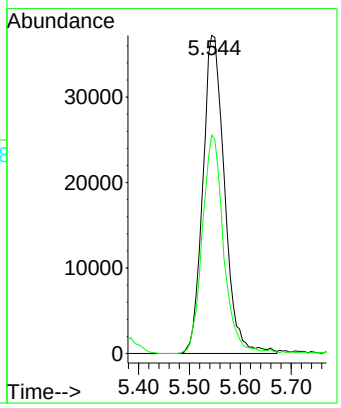


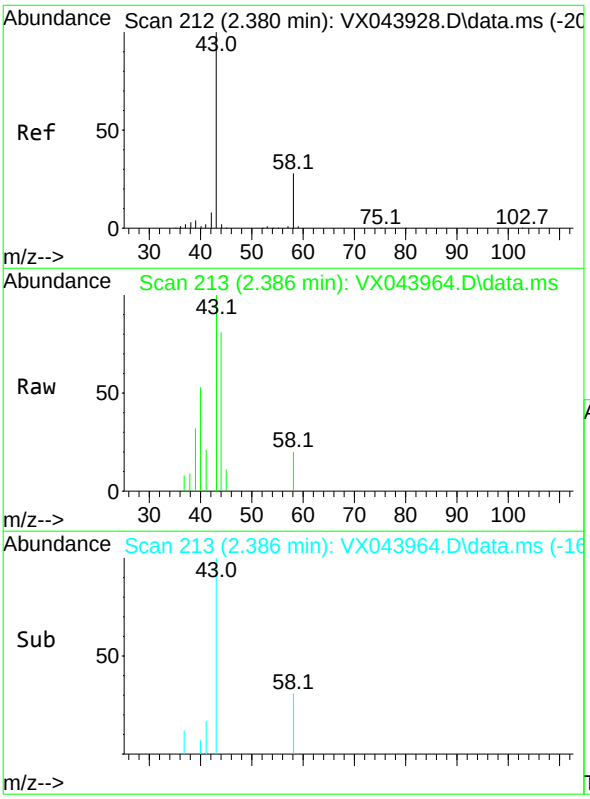
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. 0.006 min
Lab File: VX043964.D
Acq: 22 Nov 2024 16:52

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-15-20241113

Tgt Ion:168 Resp: 110220

Ion	Ratio	Lower	Upper
168	100		
99	68.7	51.8	77.8

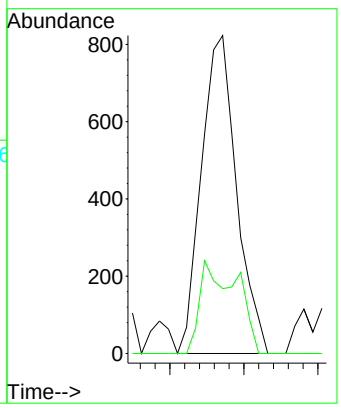


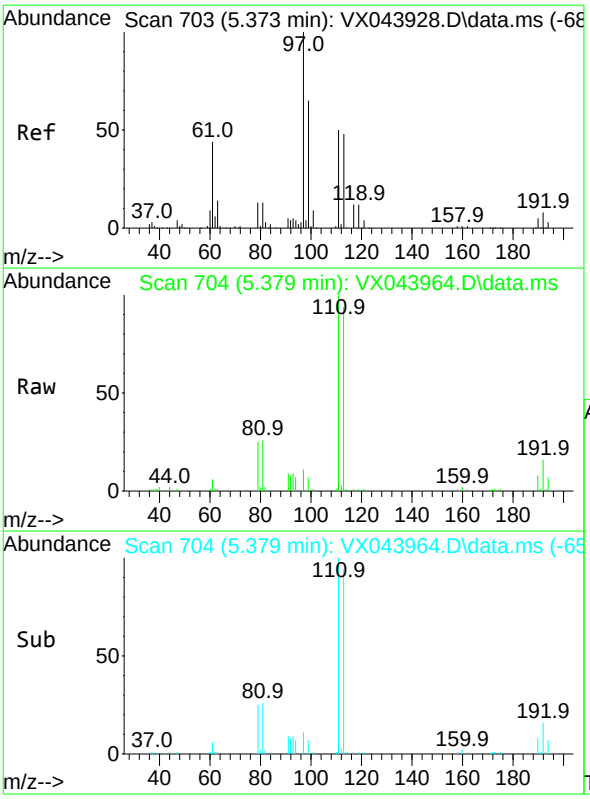


#16
Acetone
Concen: 1.561 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043964.D
Acq: 22 Nov 2024 16:52

Tgt Ion: 43 Resp: 1355

Ion	Ratio	Lower	Upper
43	100		
58	20.4	22.7	34.1#



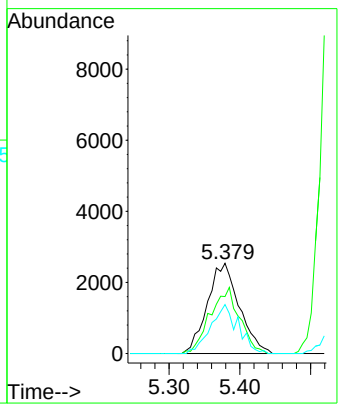


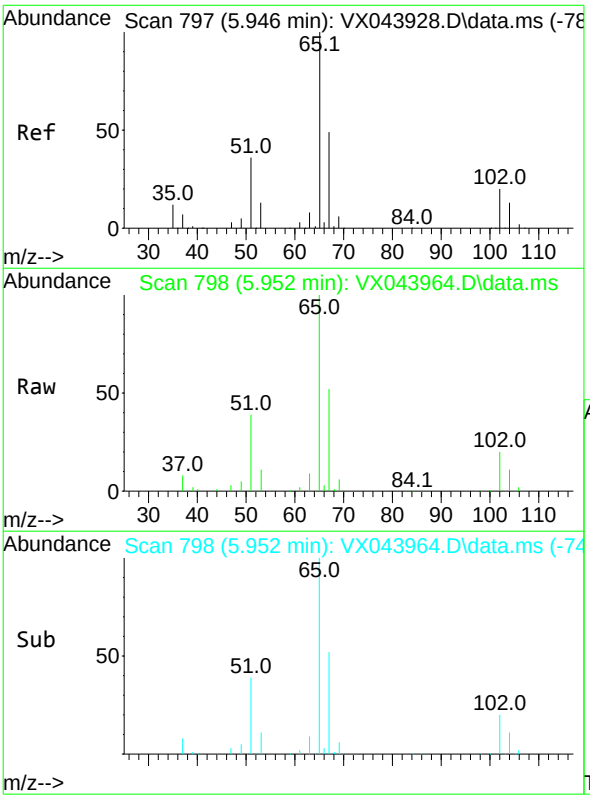
#32
1,1,1-Trichloroethane
Concen: 3.346 ug/l
RT: 5.379 min Scan# 70
Delta R.T. 0.006 min
Lab File: VX043964.D
Acq: 22 Nov 2024 16:52

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-15-20241113

Tgt Ion: 97 Resp: 7945

Ion	Ratio	Lower	Upper
97	100		
99	67.4	50.8	76.2
61	46.8	35.4	53.2

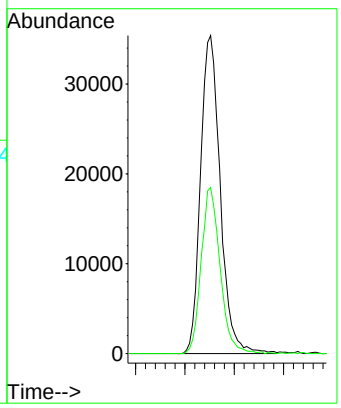


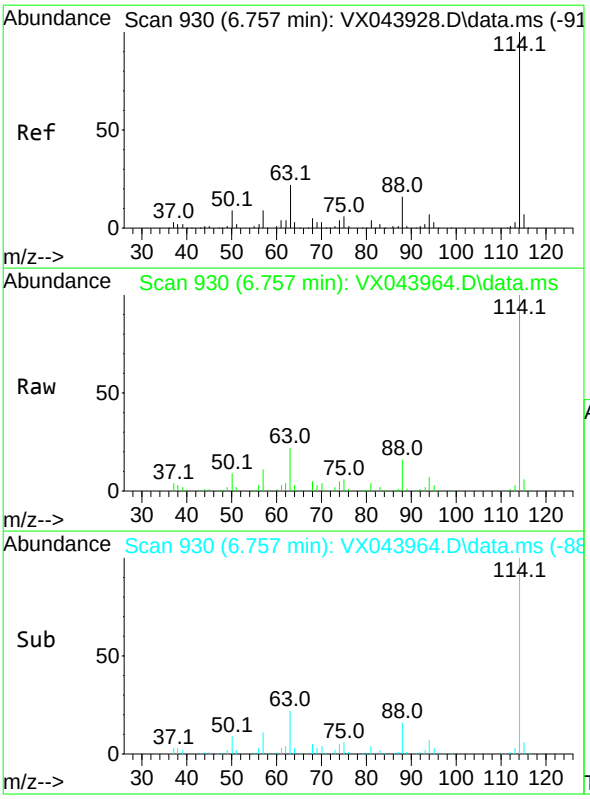


#33
1,2-Dichloroethane-d4
Concen: 51.973 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX043964.D
Acq: 22 Nov 2024 16:52

Tgt Ion: 65 Resp: 98252

Ion	Ratio	Lower	Upper
65	100		
67	50.1	0.0	100.8



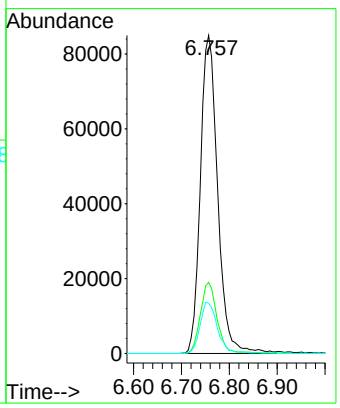


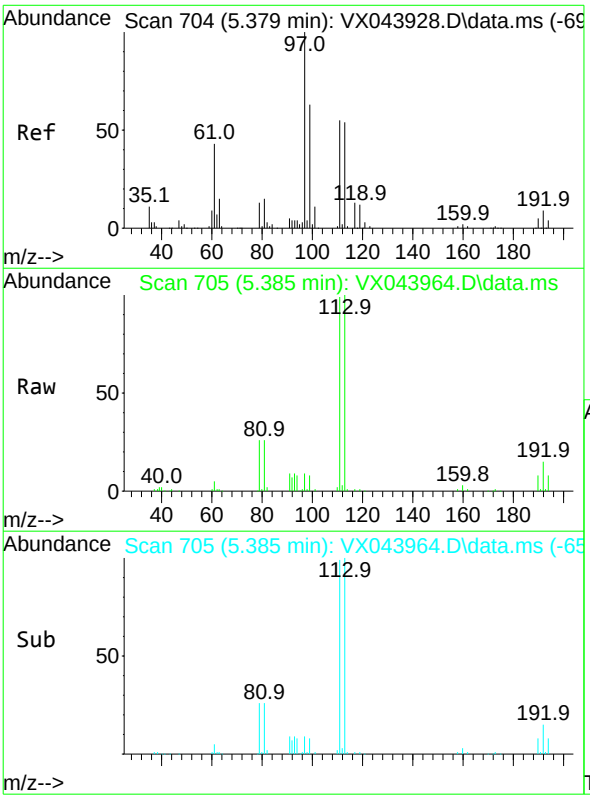
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. -0.000 min
Lab File: VX043964.D
Acq: 22 Nov 2024 16:52

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-15-20241113

Tgt Ion:114 Resp: 212874

Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	44.0
88	15.8	0.0	32.4

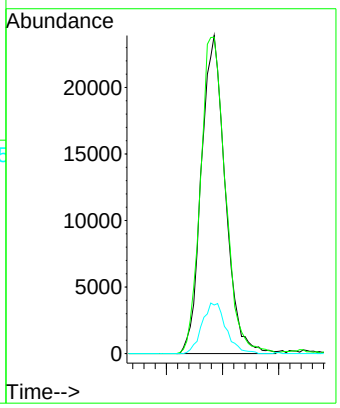


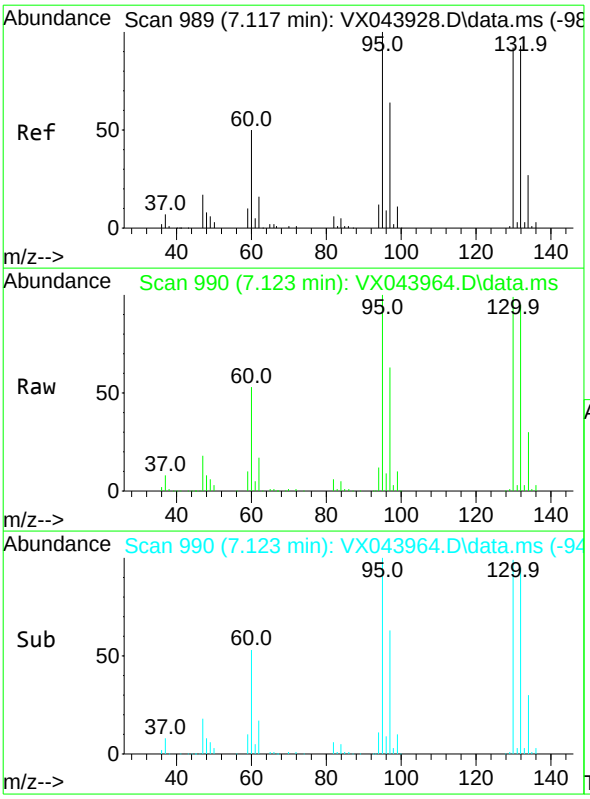


#35
Dibromofluoromethane
Concen: 46.467 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX043964.D
Acq: 22 Nov 2024 16:52

Tgt Ion:113 Resp: 70681

Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.0	121.4
192	16.0	13.0	19.6



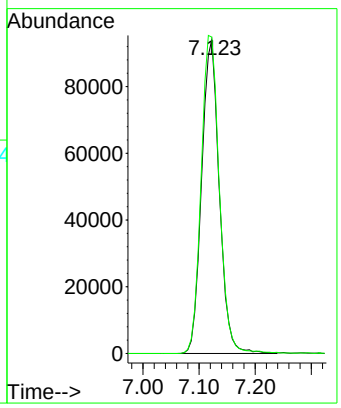


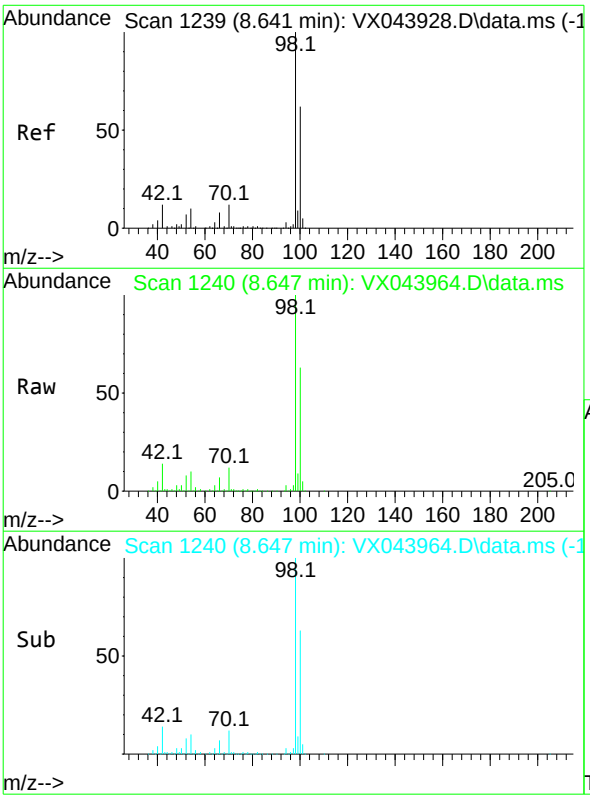
#44
Trichloroethene
Concen: 122.602 ug/l
RT: 7.123 min Scan# 99
Delta R.T. 0.006 min
Lab File: VX043964.D
Acq: 22 Nov 2024 16:52

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-15-20241113

Tgt Ion:130 Resp: 204919

Ion	Ratio	Lower	Upper
130	100		
95	100.8	0.0	217.8

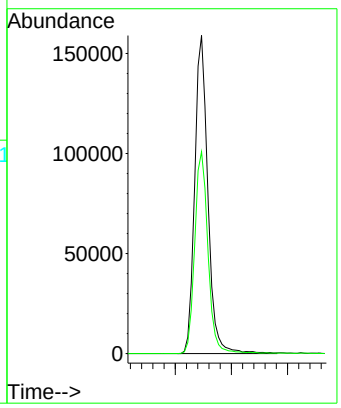


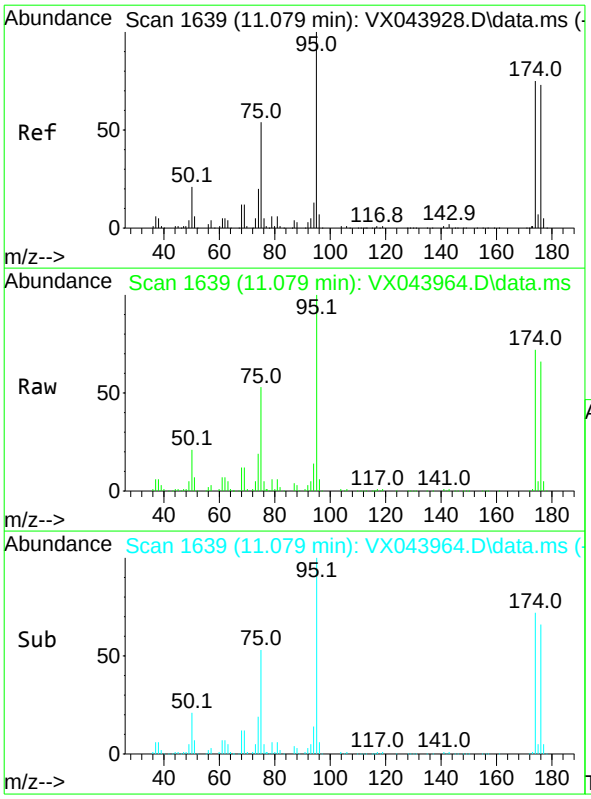


#50
Toluene-d8
Concen: 49.410 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043964.D
Acq: 22 Nov 2024 16:52

Tgt Ion: 98 Resp: 259074

Ion	Ratio	Lower	Upper
98	100		
100	63.9	52.6	79.0



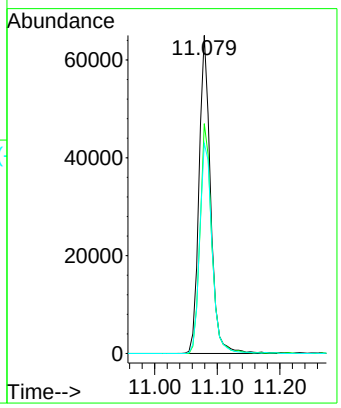


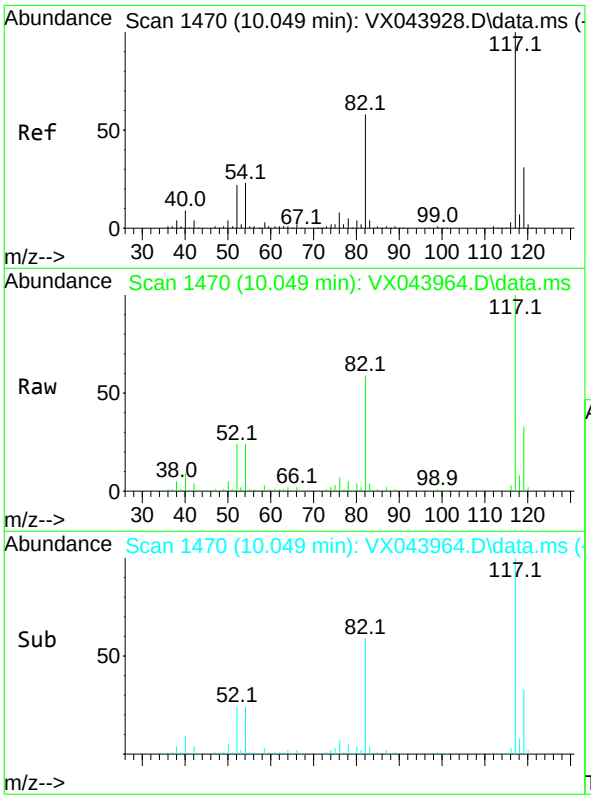
#62
4-Bromofluorobenzene
Concen: 46.635 ug/l
RT: 11.079 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043964.D
Acq: 22 Nov 2024 16:52

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-15-20241113

Tgt Ion: 95 Resp: 83219

Ion	Ratio	Lower	Upper
95	100		
174	73.2	0.0	150.4
176	71.2	0.0	146.0

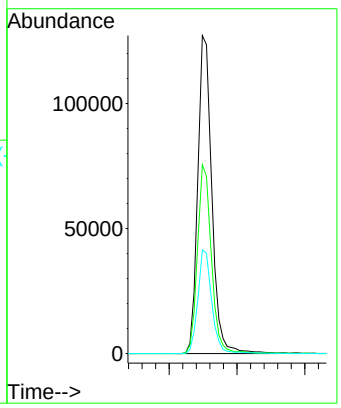


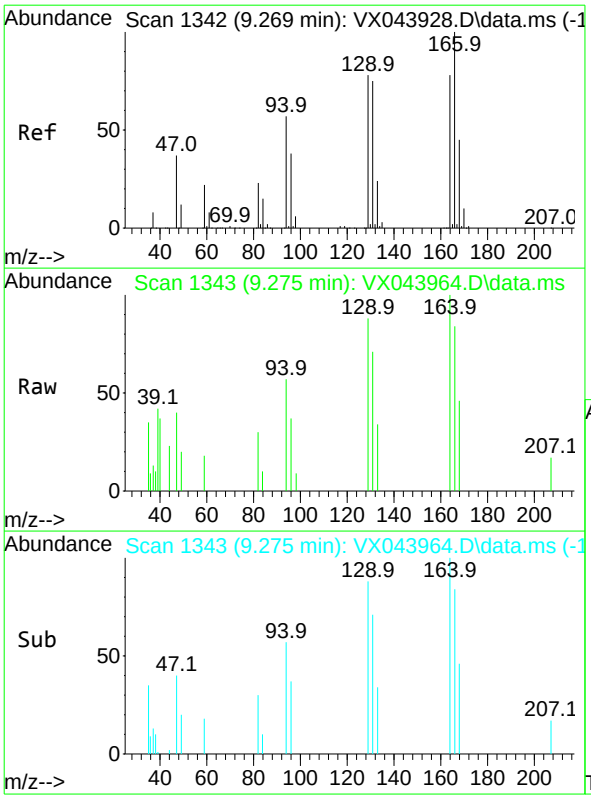


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX043964.D
Acq: 22 Nov 2024 16:52

Tgt Ion:117 Resp: 183450

Ion	Ratio	Lower	Upper
117	100		
82	59.4	46.4	69.6
119	32.6	24.6	37.0



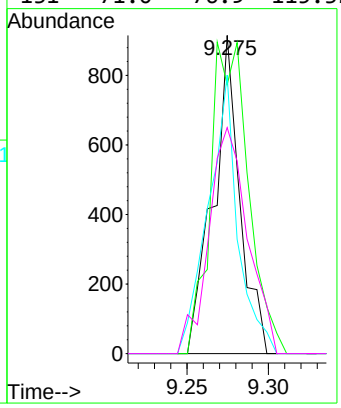


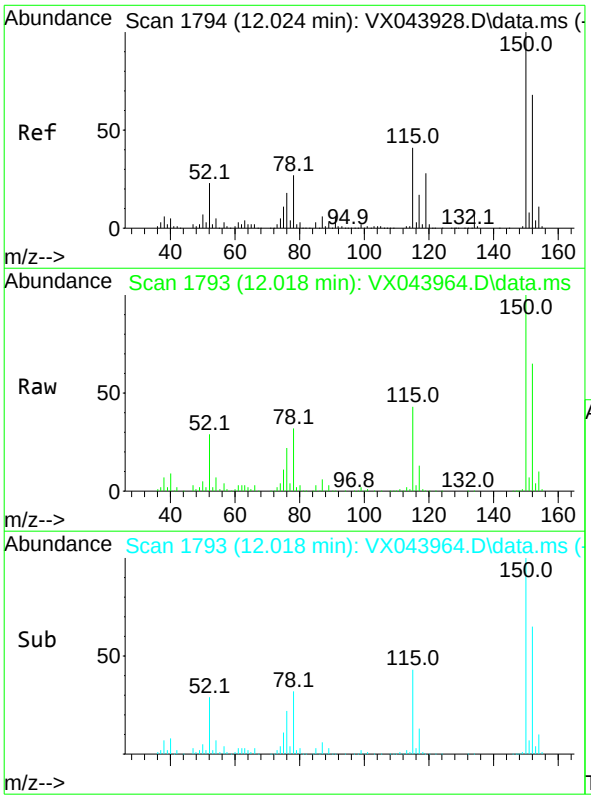
#64
Tetrachloroethene
Concen: 0.863 ug/l
RT: 9.275 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX043964.D
Acq: 22 Nov 2024 16:52

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-15-20241113

Tgt Ion:164 Resp: 1044

Ion	Ratio	Lower	Upper
164	100		
166	84.5	102.1	153.1#
129	87.5	79.6	119.4
131	71.0	76.9	115.3#

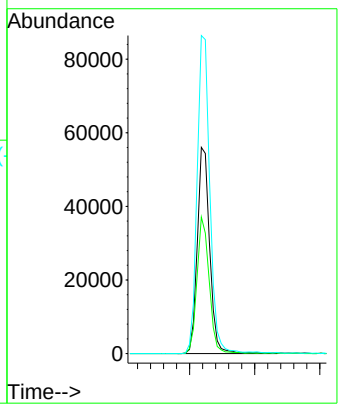




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043964.D
Acq: 22 Nov 2024 16:52

Tgt Ion:152 Resp: 74078

Ion	Ratio	Lower	Upper
152	100		
115	65.1	45.4	136.2
150	157.6	0.0	353.0



Sample Results: **VX043964.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043964.D
Acq On : 22 Nov 2024 16:52
Operator : JC/MD
Sample : P4846-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-15-20241113

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\82X112124W.M
Title : SW846 8260

Signal : TIC: VX043964.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.240	22	25	39	rVB2	8803	14262	1.14%	0.286%
2	1.611	67	86	87	rBV5	16513	68165	5.47%	1.366%
3	5.385	693	705	721	rBV	87558	270381	21.69%	5.417%
4	5.544	721	731	745	rBV	124812	359858	28.87%	7.210%
5	5.946	789	797	812	rBV	101415	270468	21.70%	5.419%
6	6.757	921	930	946	rBV	210218	522450	41.92%	10.468%
7	7.117	980	989	1005	rBV	554799	1246312	100.00%	24.971%
8	8.647	1233	1240	1253	rBV	431444	706812	56.71%	14.162%
9	10.049	1465	1470	1483	rBV	424273	605003	48.54%	12.122%
10	11.079	1634	1639	1650	rBV	325301	428001	34.34%	8.575%
11	12.018	1788	1793	1804	rBV	387574	499321	40.06%	10.004%

Sum of corrected areas: 4991033

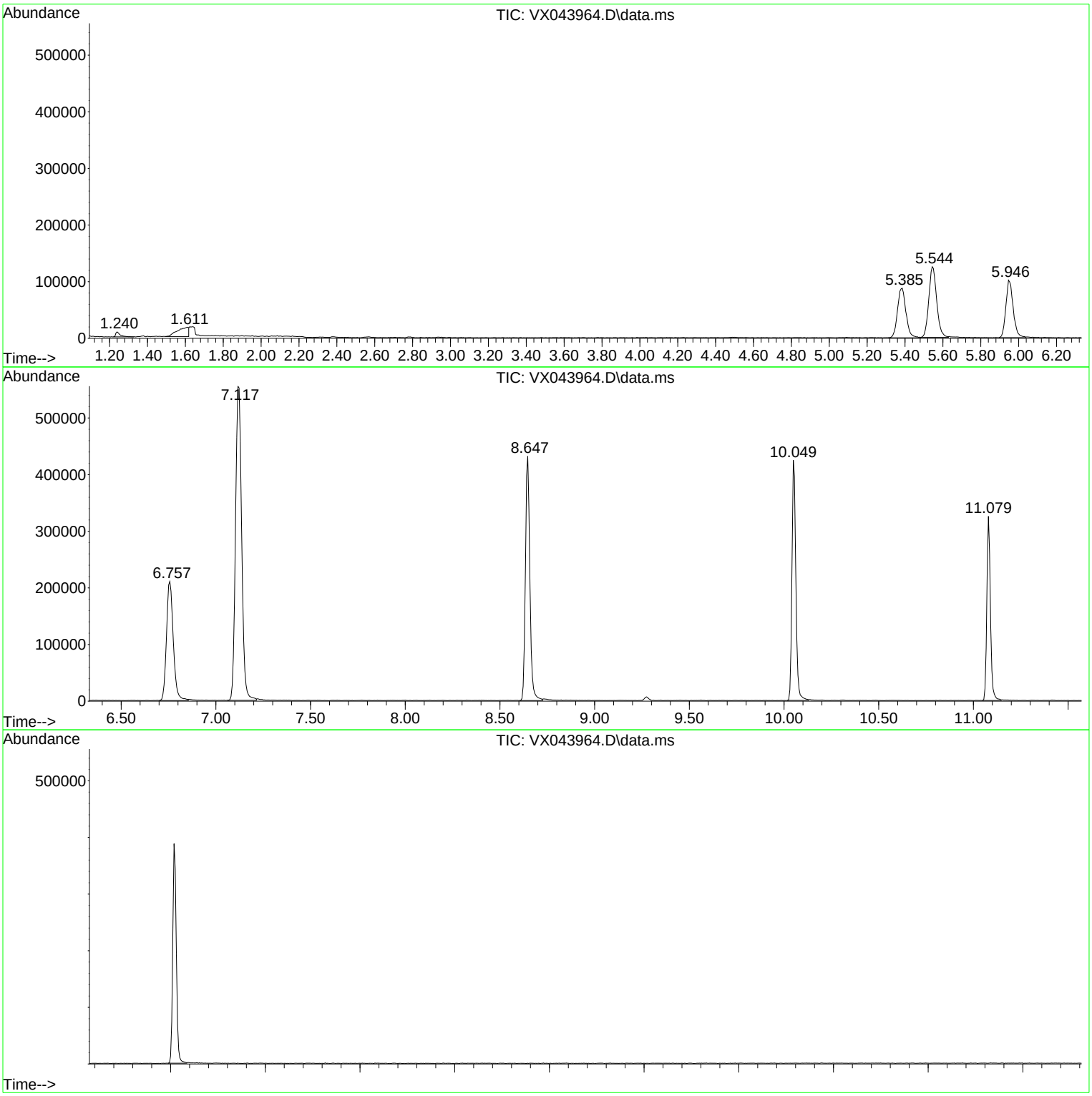
Sample Results: **VX043964.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043964.D
Acq On : 22 Nov 2024 16:52
Operator : JC/MD
Sample : P4846-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-15-20241113

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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



Sample Results: **VX043964.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043964.D
Acq On : 22 Nov 2024 16:52
Operator : JC/MD
Sample : P4846-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-15-20241113

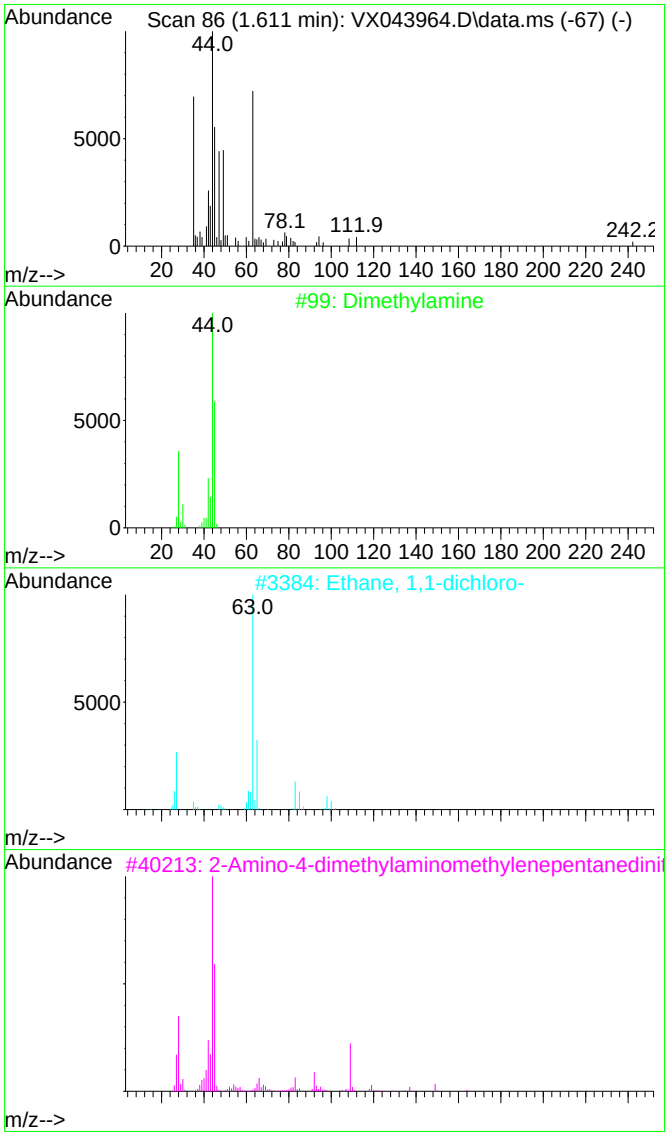
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Quant Title : SW846 8260

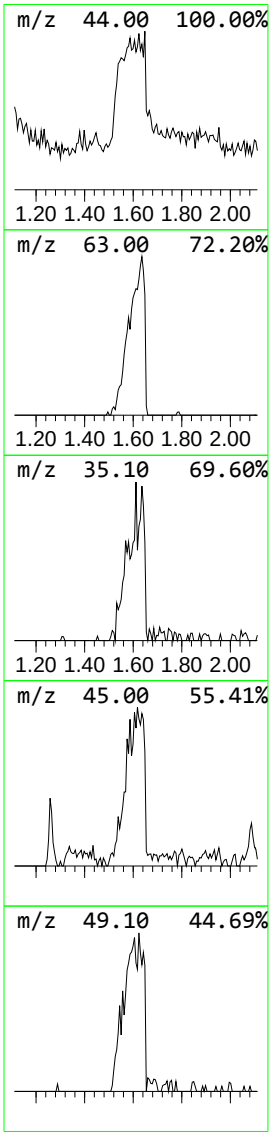
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 unknown1.611 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.611	9.47 ug/l	68165	Pentafluorobenzene	5.544

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethylamine	45	C2H7N	000124-40-3	10
2	Ethane, 1,1-dichloro-	98	C2H4Cl2	000075-34-3	9
3	2-Amino-4-dimethylaminomethylene...	164	C8H12N4	1000191-40-0	9
4	2-(Oxan-3-yl)ethanamine	129	C7H15NO	1000411-07-5	9
5	Dihydroxymaleic acid	148	C4H4O6	000526-84-1	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043964.D
Acq On : 22 Nov 2024 16:52
Operator : JC/MD
Sample : P4846-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-15-20241113

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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

						Internal Standard		
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown1.611	1.611	9.5	ug/l	68165	1	5.544	359858	50.0

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-EVAL-02D-20241113	SDG No.:	P4846
Lab Sample ID:	P4846-13	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043965.D	1		11/22/24 17:16	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.39	J	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	1.60	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	1.50		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-EVAL-02D-20241113	SDG No.:	P4846
Lab Sample ID:	P4846-13	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043965.D	1		11/22/24 17:16	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.4		81 - 118		105%	SPK: 50
1868-53-7	Dibromofluoromethane	45.6		80 - 119		91%	SPK: 50
2037-26-5	Toluene-d8	49.4		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.8		85 - 114		92%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	106000	5.55				
540-36-3	1,4-Difluorobenzene	207000	6.757				
3114-55-4	Chlorobenzene-d5	176000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	69900	12.024				

Raw Data: **VX043965.D**

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-EVAL-02D-20241113	SDG No.:	P4846
Lab Sample ID:	P4846-13	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043965.D	1		11/22/24 17:16	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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

Sample Results: **VX043965.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043965.D
Acq On : 22 Nov 2024 17:16
Operator : JC/MD
Sample : P4846-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-02D-20241113

Quant Time: Nov 22 22:26:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

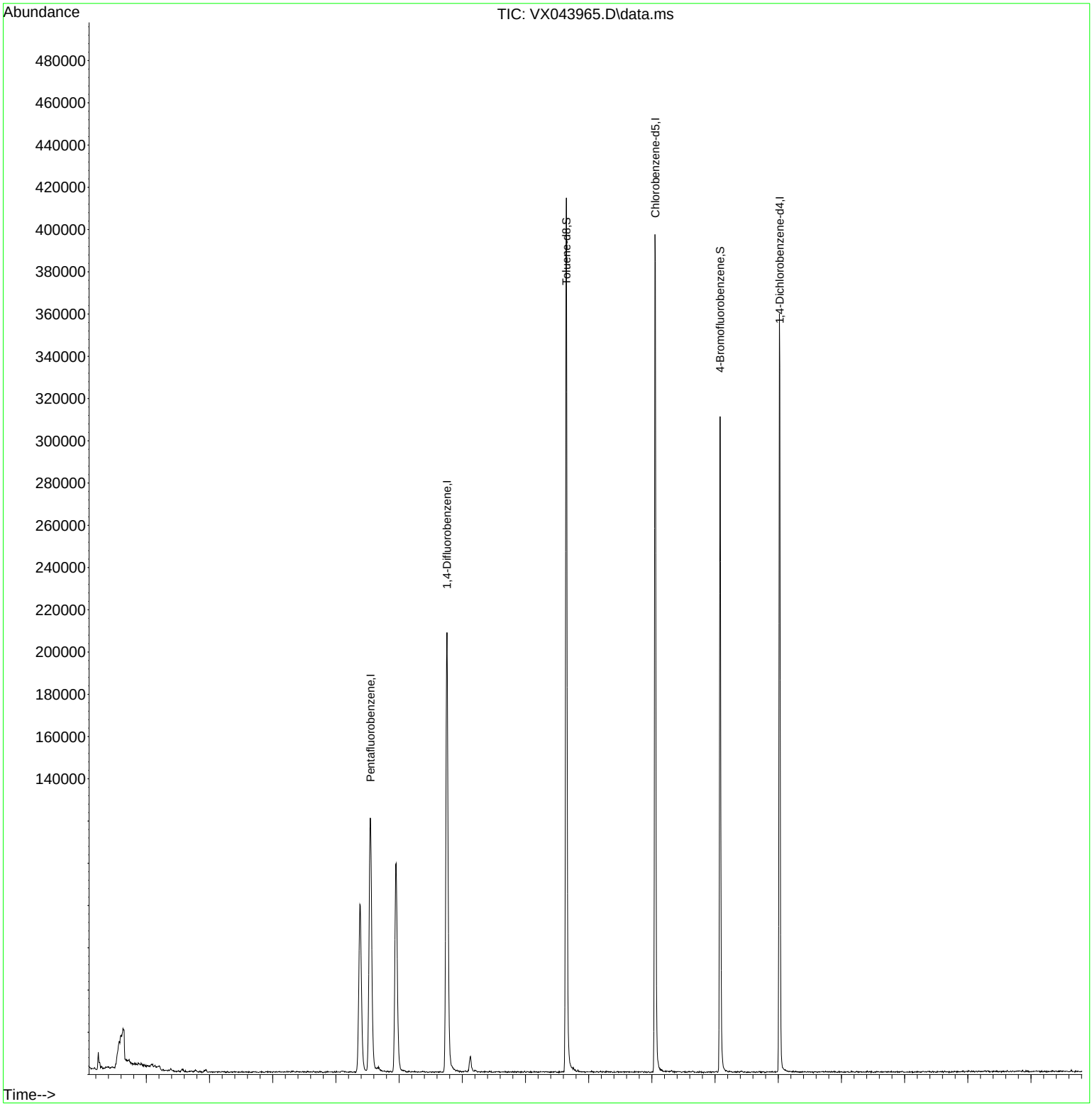
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	106324	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.757	114	206768	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	176467	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	69943	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	95596	52.420	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.840%			
35) Dibromofluoromethane	5.379	113	67360	45.592	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 91.180%			
50) Toluene-d8	8.647	98	251499	49.382	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.760%			
62) 4-Bromofluorobenzene	11.079	95	79415	45.818	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 91.640%			
Target Compounds						Qvalue
3) Chloromethane	1.295	50	556	0.392	ug/l #	69
16) Acetone	2.380	43	1325	1.582	ug/l	100
44) Trichloroethene	7.123	130	2502	1.541	ug/l	63

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

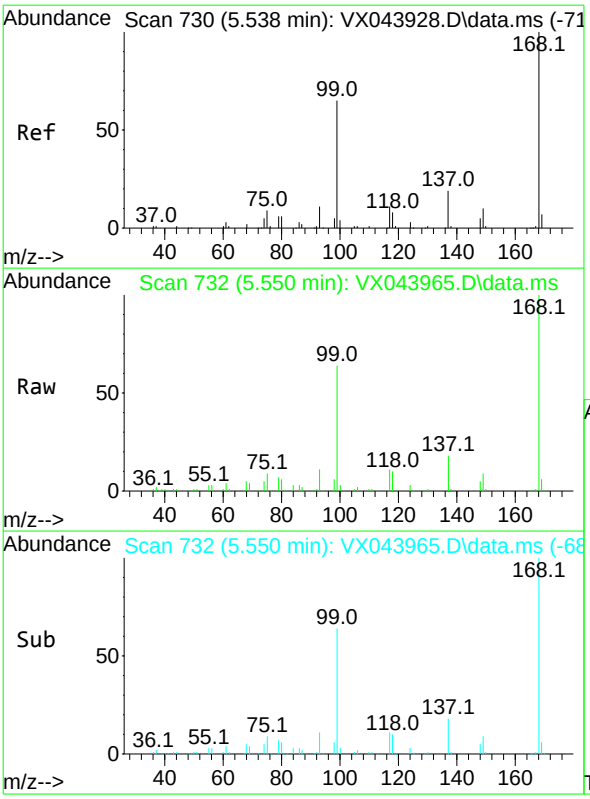
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043965.D
Acq On : 22 Nov 2024 17:16
Operator : JC/MD
Sample : P4846-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-02D-20241113

Quant Time: Nov 22 22:26:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



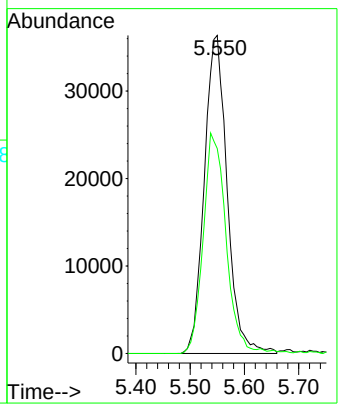
Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-02D-20241113

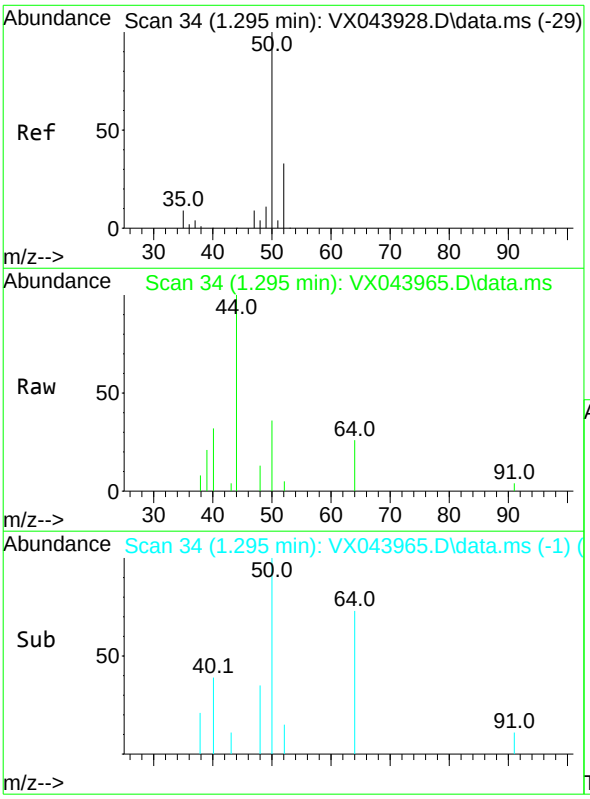


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. 0.012 min
Lab File: VX043965.D
Acq: 22 Nov 2024 17:16

Tgt Ion:168 Resp: 106324

Ion	Ratio	Lower	Upper
168	100		
99	64.4	51.8	77.8

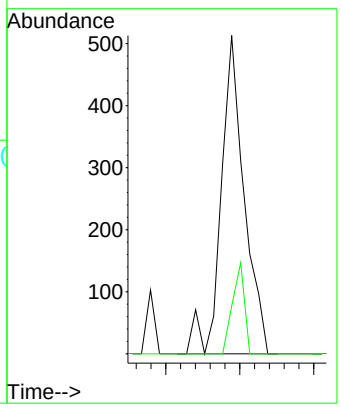


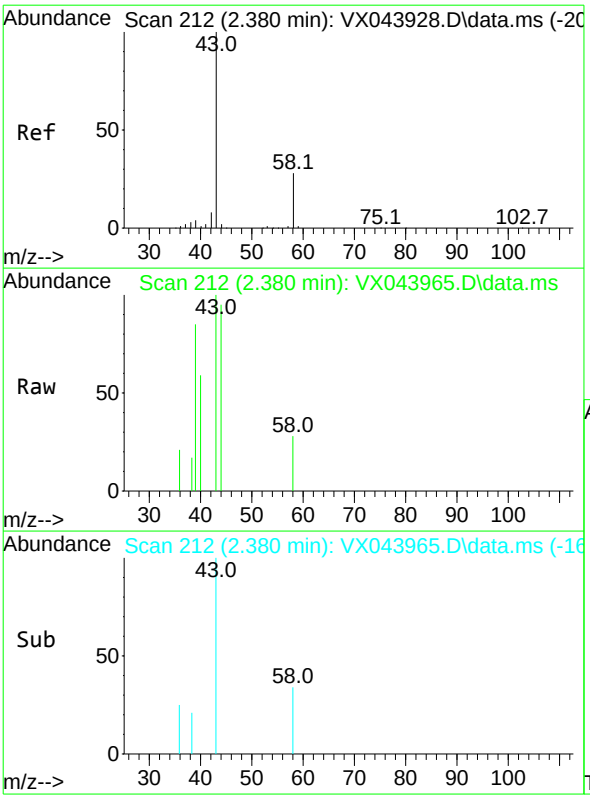


#3
Chloromethane
Concen: 0.392 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX043965.D
Acq: 22 Nov 2024 17:16

Tgt Ion: 50 Resp: 556

Ion	Ratio	Lower	Upper
50	100		
52	15.0	26.1	39.1#



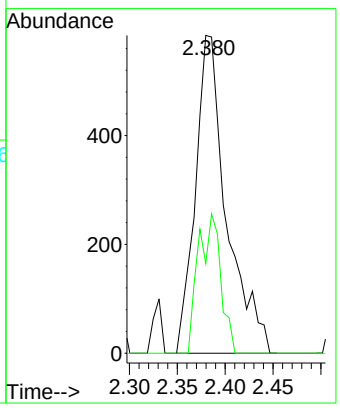


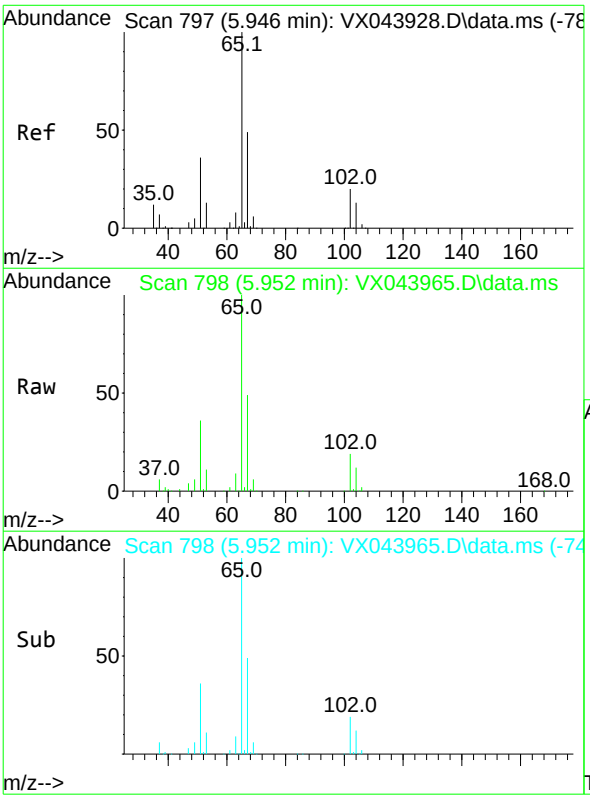
#16
Acetone
Concen: 1.582 ug/l
RT: 2.380 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX043965.D
Acq: 22 Nov 2024 17:16

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-02D-20241113

Tgt Ion: 43 Resp: 1325

Ion	Ratio	Lower	Upper
43	100		
58	28.3	22.7	34.1

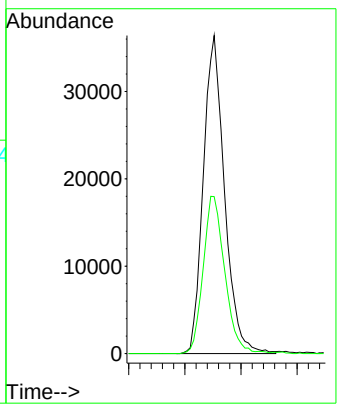


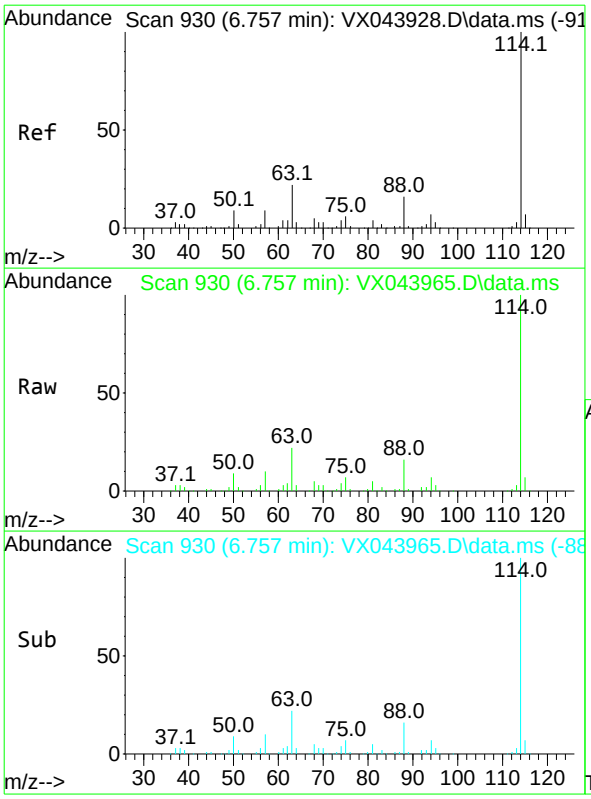


#33
1,2-Dichloroethane-d4
Concen: 52.420 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX043965.D
Acq: 22 Nov 2024 17:16

Tgt Ion: 65 Resp: 95596

Ion	Ratio	Lower	Upper
65	100		
67	50.4	0.0	100.8



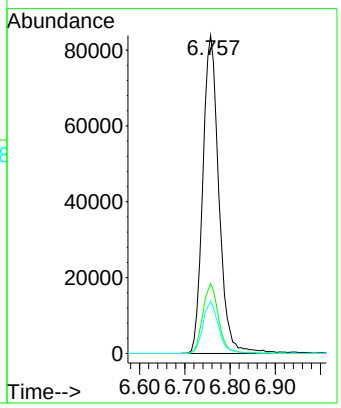


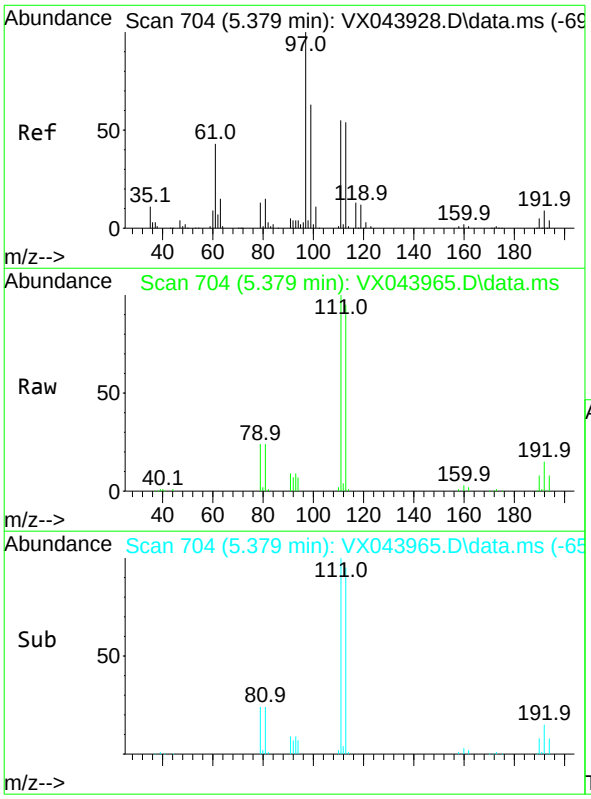
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. -0.000 min
Lab File: VX043965.D
Acq: 22 Nov 2024 17:16

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-02D-20241113

Tgt Ion:114 Resp: 206768

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	44.0
88	16.4	0.0	32.4

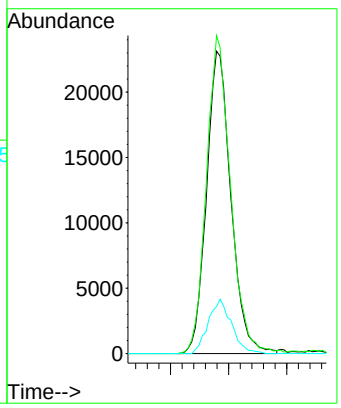


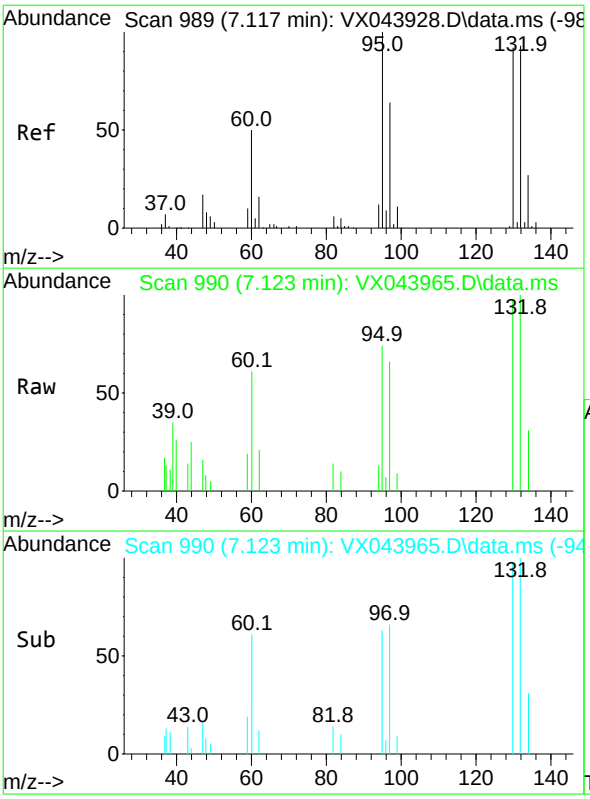


#35
Dibromofluoromethane
Concen: 45.592 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX043965.D
Acq: 22 Nov 2024 17:16

Tgt Ion:113 Resp: 67360

Ion	Ratio	Lower	Upper
113	100		
111	104.2	81.0	121.4
192	17.2	13.0	19.6



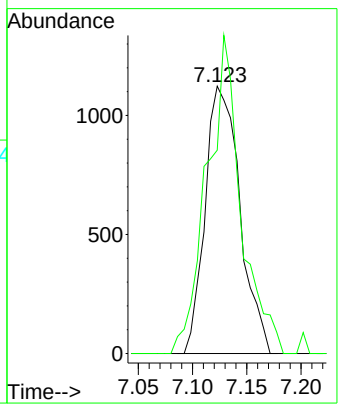


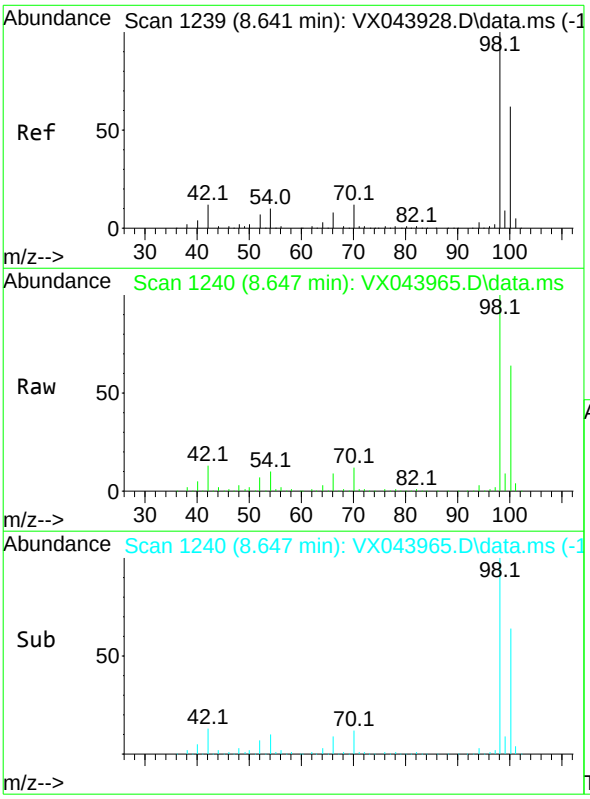
#44
Trichloroethene
Concen: 1.541 ug/l
RT: 7.123 min Scan# 99
Delta R.T. 0.006 min
Lab File: VX043965.D
Acq: 22 Nov 2024 17:16

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-02D-20241113

Tgt Ion:130 Resp: 2502

Ion	Ratio	Lower	Upper
130	100		
95	69.7	0.0	217.8

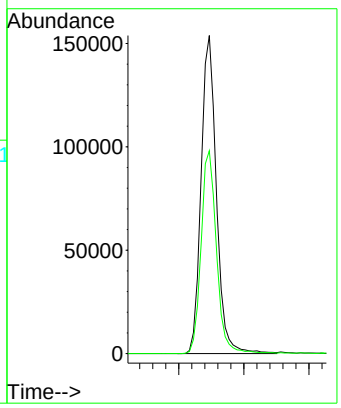


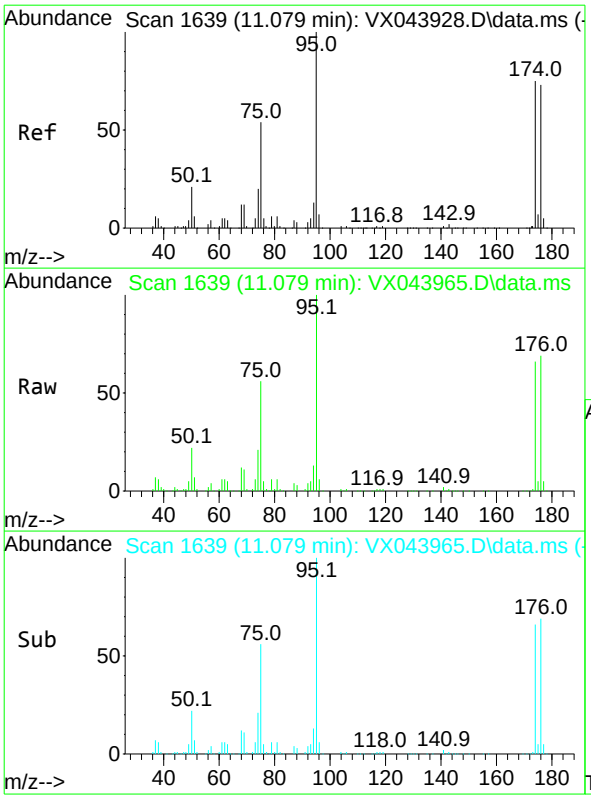


#50
Toluene-d8
Concen: 49.382 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043965.D
Acq: 22 Nov 2024 17:16

Tgt Ion: 98 Resp: 251499

Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.6	79.0



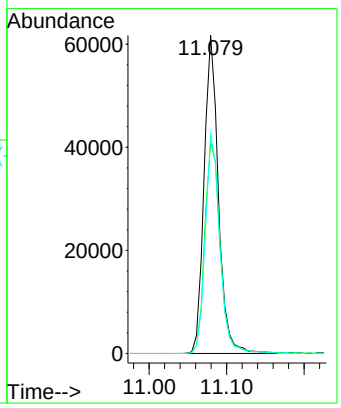


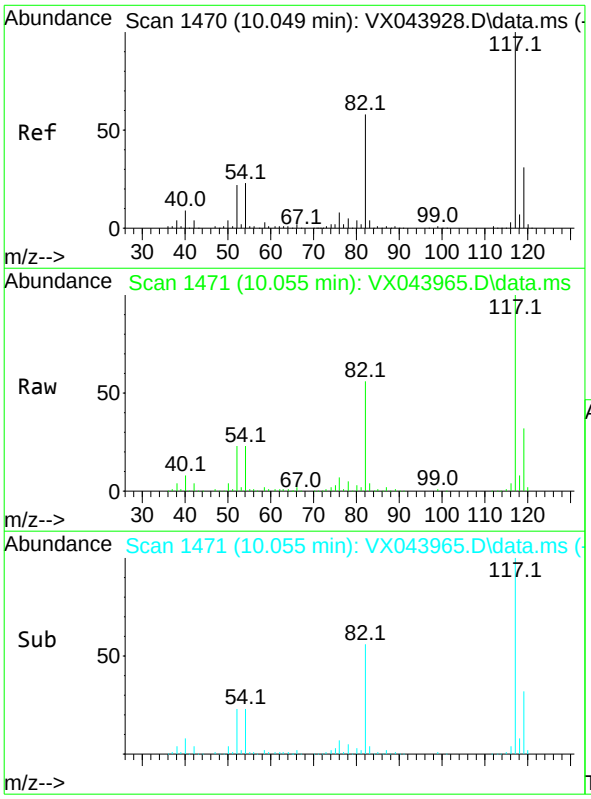
#62
4-Bromofluorobenzene
Concen: 45.818 ug/l
RT: 11.079 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043965.D
Acq: 22 Nov 2024 17:16

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-02D-20241113

Tgt Ion: 95 Resp: 79415

Ion	Ratio	Lower	Upper
95	100		
174	71.8	0.0	150.4
176	70.0	0.0	146.0

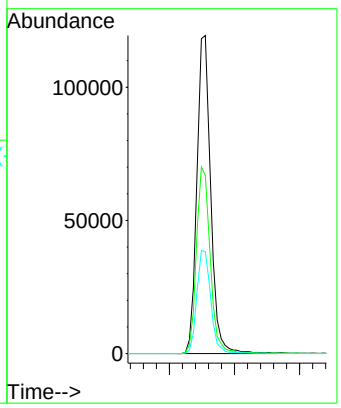


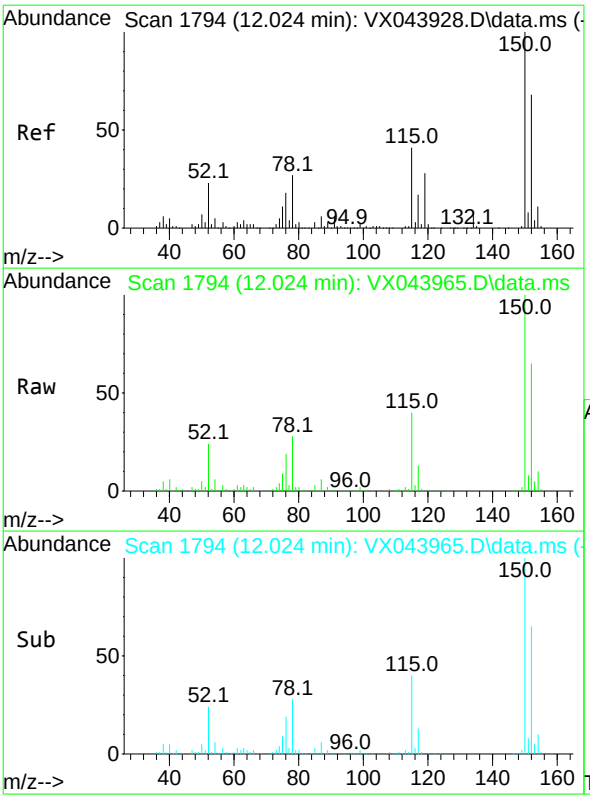


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX043965.D
Acq: 22 Nov 2024 17:16

Tgt Ion:117 Resp: 176467

Ion	Ratio	Lower	Upper
117	100		
82	56.0	46.4	69.6
119	32.1	24.6	37.0



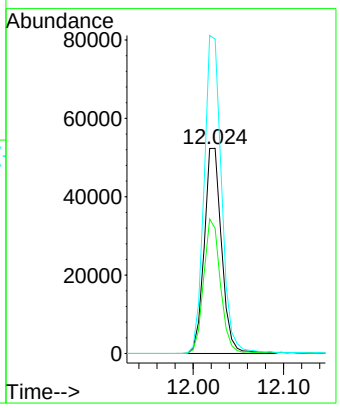


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043965.D
Acq: 22 Nov 2024 17:16

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-02D-20241113

Tgt Ion:152 Resp: 69943

Ion	Ratio	Lower	Upper
152	100		
115	63.5	45.4	136.2
150	156.4	0.0	353.0



Sample Results: **VX043965.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043965.D
Acq On : 22 Nov 2024 17:16
Operator : JC/MD
Sample : P4846-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-02D-20241113

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\82X112124W.M
Title : SW846 8260

Signal : TIC: VX043965.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.240	21	25	27	rBV2	8268	8664	1.27%	0.243%
2	1.569	68	79	81	rBV6	12617	34958	5.11%	0.980%
3	5.379	693	704	720	rBV	79513	233942	34.22%	6.557%
4	5.544	721	731	744	rBV2	119516	349443	51.11%	9.794%
5	5.952	787	798	811	rBV	98952	268431	39.26%	7.523%
6	6.757	920	930	953	rBV	208195	511504	74.82%	14.336%
7	7.129	984	991	999	rBV6	7321	16538	2.42%	0.464%
8	8.647	1234	1240	1254	rBV	413631	683672	100.00%	19.161%
9	10.049	1465	1470	1485	rBV	396613	585283	85.61%	16.404%
10	11.079	1634	1639	1653	rBV	310124	406654	59.48%	11.397%
11	12.018	1788	1793	1807	rBV	358900	468945	68.59%	13.143%

Sum of corrected areas: 3568034

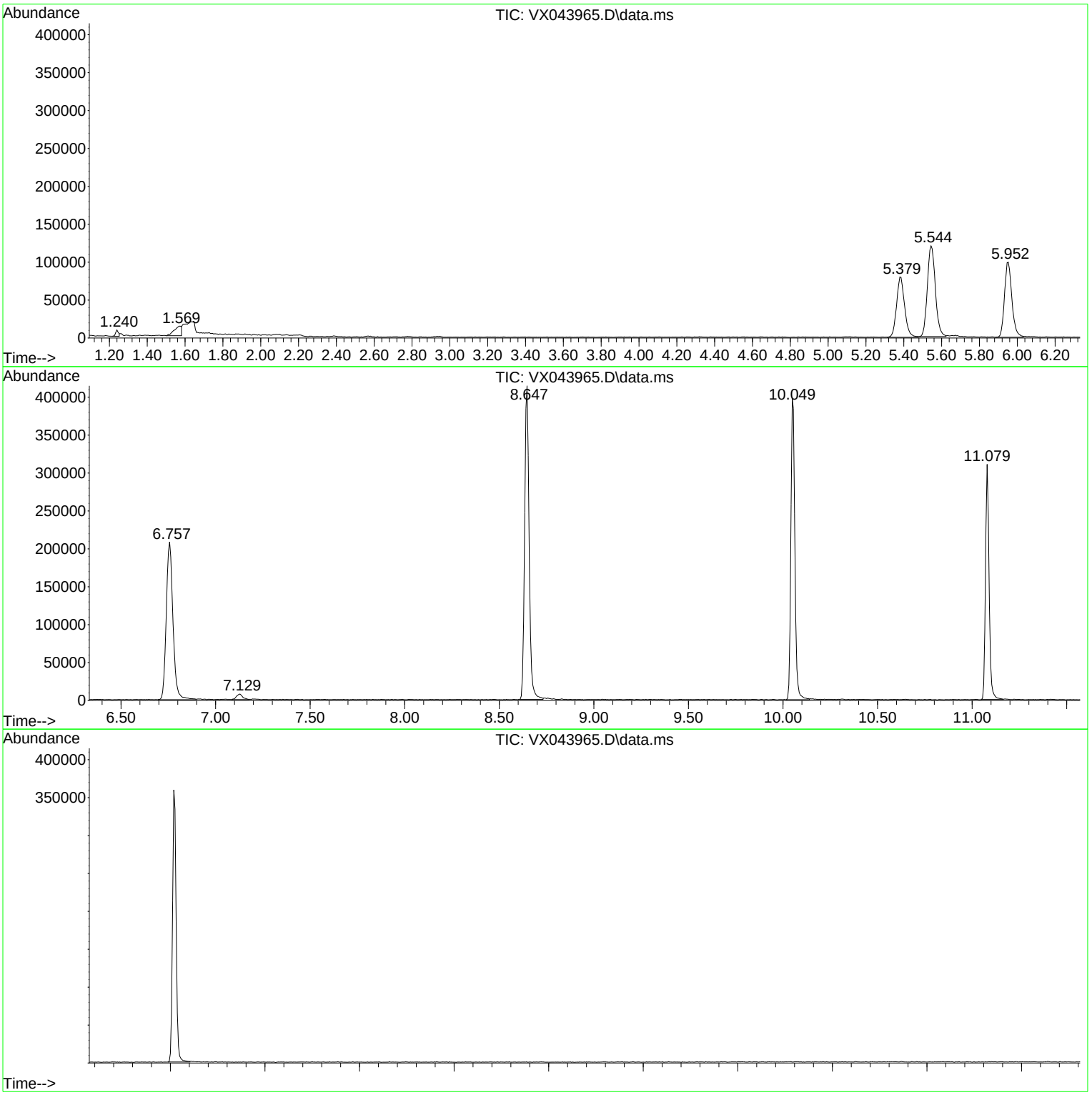
Sample Results: **VX043965.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043965.D
Acq On : 22 Nov 2024 17:16
Operator : JC/MD
Sample : P4846-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-02D-20241113

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VX043965.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043965.D
Acq On : 22 Nov 2024 17:16
Operator : JC/MD
Sample : P4846-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-02D-20241113

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.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\VX112224\
Data File : VX043965.D
Acq On : 22 Nov 2024 17:16
Operator : JC/MD
Sample : P4846-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-02D-20241113

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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

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

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-EVAL-02S-20241113	SDG No.:	P4846
Lab Sample ID:	P4846-14	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043966.D	1		11/22/24 17:39	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.38	J	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	1.60	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.90		0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	4.60		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	80.5		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-EVAL-02S-20241113	SDG No.:	P4846
Lab Sample ID:	P4846-14	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043966.D	1		11/22/24 17:39	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	22.0		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.5		81 - 118		103%	SPK: 50
1868-53-7	Dibromofluoromethane	46.4		80 - 119		93%	SPK: 50
2037-26-5	Toluene-d8	48.5		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.6		85 - 114		95%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	121000	5.55				
540-36-3	1,4-Difluorobenzene	231000	6.757				
3114-55-4	Chlorobenzene-d5	197000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	81000	12.024				

Raw Data: **VX043966.D**

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-EVAL-02S-20241113	SDG No.:	P4846
Lab Sample ID:	P4846-14	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043966.D	1		11/22/24 17:39	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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\VX112224\
Data File : VX043966.D
Acq On : 22 Nov 2024 17:39
Operator : JC/MD
Sample : P4846-14
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-02S-20241113

Quant Time: Nov 22 22:27:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

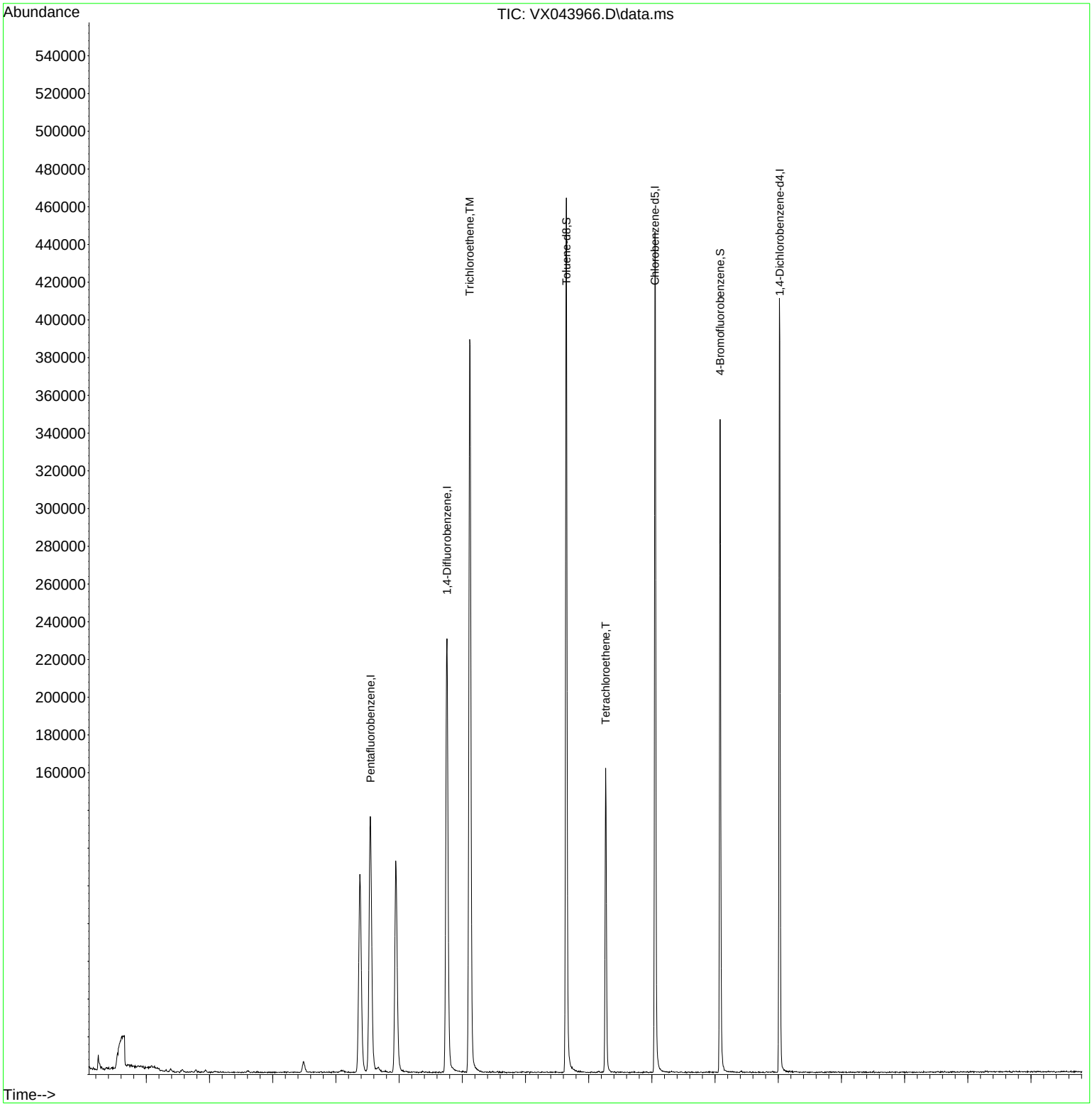
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	121293	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.757	114	231454	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	196600	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	81016	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	107041	51.453	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.900%			
35) Dibromofluoromethane	5.379	113	76784	46.427	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 92.860%			
50) Toluene-d8	8.647	98	276241	48.455	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.900%			
62) 4-Bromofluorobenzene	11.079	95	92396	47.622	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.240%			
Target Compounds						Qvalue
3) Chloromethane	1.295	50	607	0.375	ug/l	91
16) Acetone	2.386	43	1530	1.601	ug/l #	87
27) cis-1,2-Dichloroethene	4.489	96	3306	1.853	ug/l	90
32) 1,1,1-Trichloroethane	5.379	97	12125	4.640	ug/l	99
44) Trichloroethene	7.117	130	146202	80.450	ug/l	96
64) Tetrachloroethene	9.269	164	28564	22.034	ug/l	96

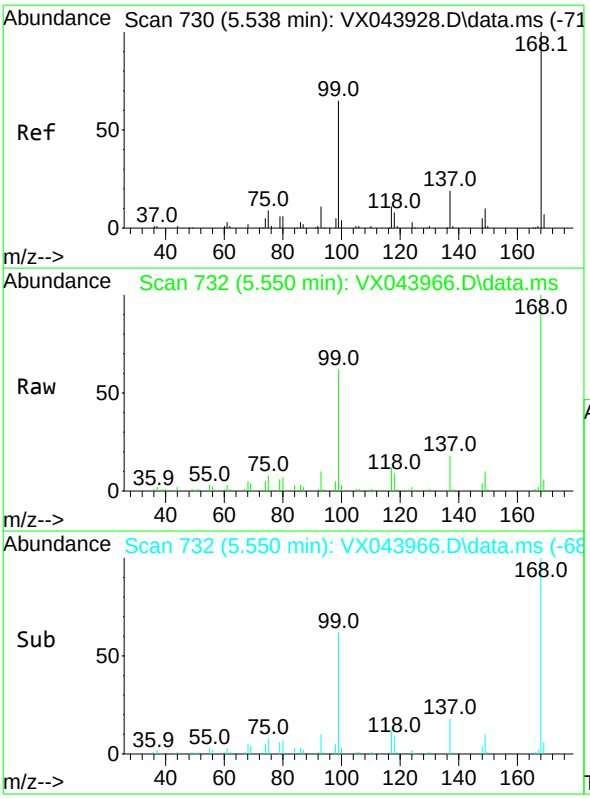
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043966.D
Acq On : 22 Nov 2024 17:39
Operator : JC/MD
Sample : P4846-14
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-02S-20241113

Quant Time: Nov 22 22:27:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



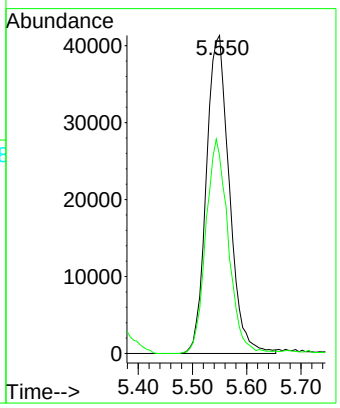


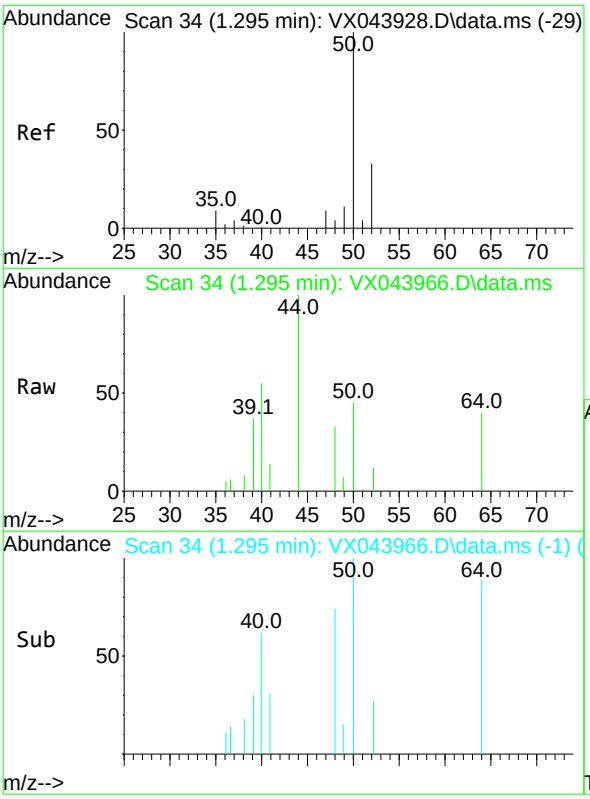
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. 0.012 min
Lab File: VX043966.D
Acq: 22 Nov 2024 17:39

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-02S-20241113

Tgt Ion:168 Resp: 121293

Ion	Ratio	Lower	Upper
168	100		
99	62.2	51.8	77.8

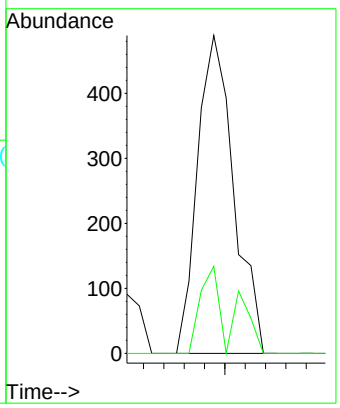


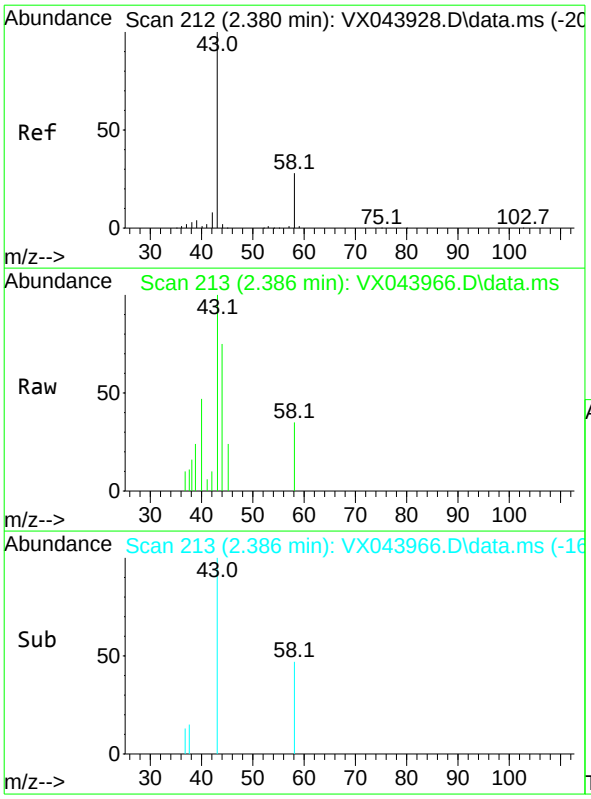


#3
Chloromethane
Concen: 0.375 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX043966.D
Acq: 22 Nov 2024 17:39

Tgt Ion: 50 Resp: 607

Ion	Ratio	Lower	Upper
50	100		
52	27.4	26.1	39.1



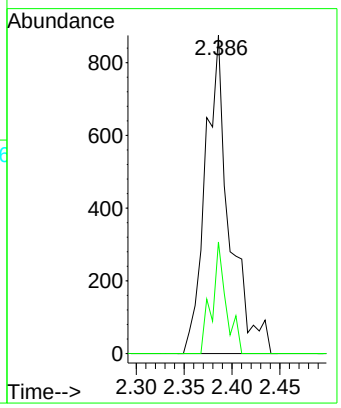


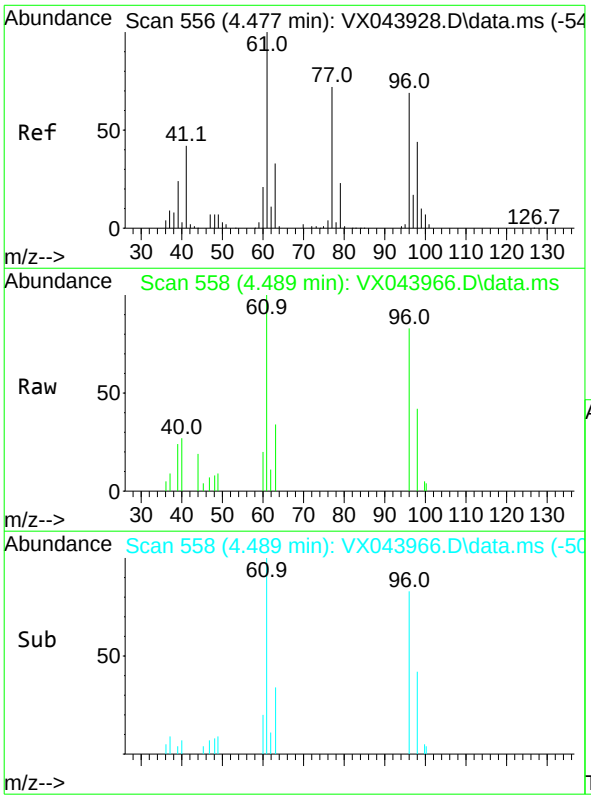
#16
Acetone
Concen: 1.601 ug/l
RT: 2.386 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX043966.D
Acq: 22 Nov 2024 17:39

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-02S-20241113

Tgt Ion: 43 Resp: 1530

Ion	Ratio	Lower	Upper
43	100		
58	35.1	22.7	34.1#

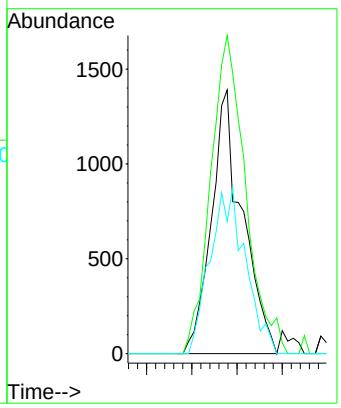


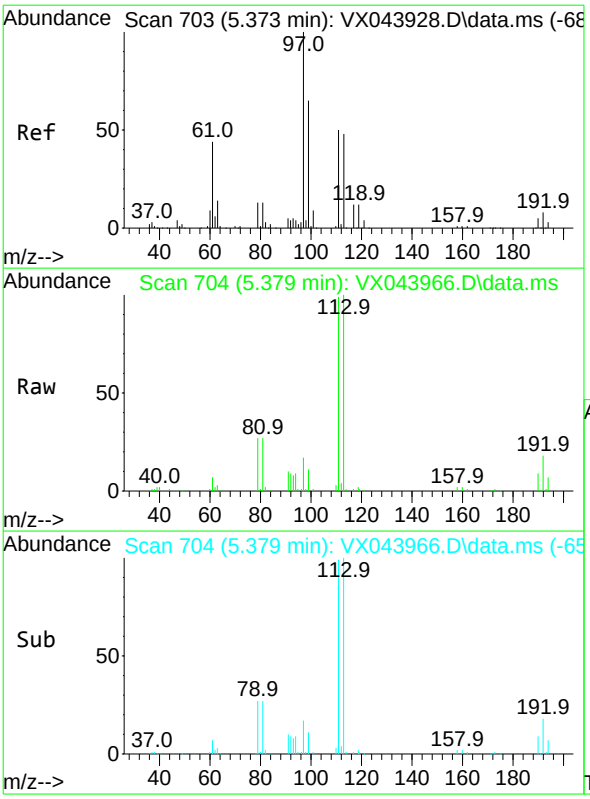


#27
cis-1,2-Dichloroethene
Concen: 1.853 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.012 min
Lab File: VX043966.D
Acq: 22 Nov 2024 17:39

Tgt Ion: 96 Resp: 3306

Ion	Ratio	Lower	Upper
96	100		
61	136.0	0.0	297.4
98	72.0	0.0	127.8



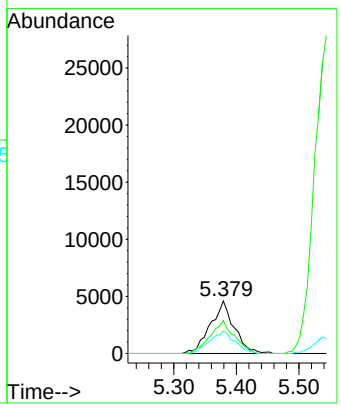


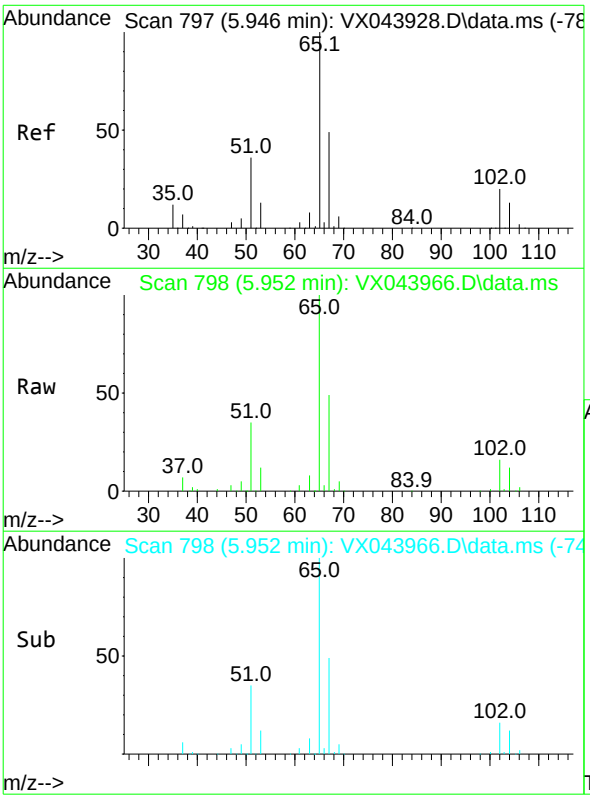
#32
1,1,1-Trichloroethane
Concen: 4.640 ug/l
RT: 5.379 min Scan# 70
Delta R.T. 0.006 min
Lab File: VX043966.D
Acq: 22 Nov 2024 17:39

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-02S-20241113

Tgt Ion: 97 Resp: 12125

Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.8	76.2
61	45.1	35.4	53.2

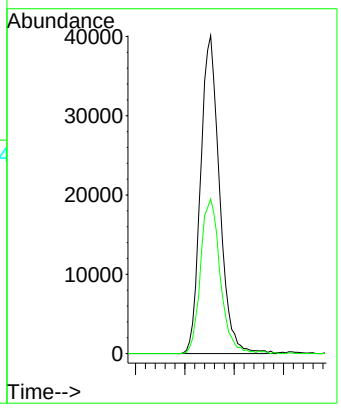


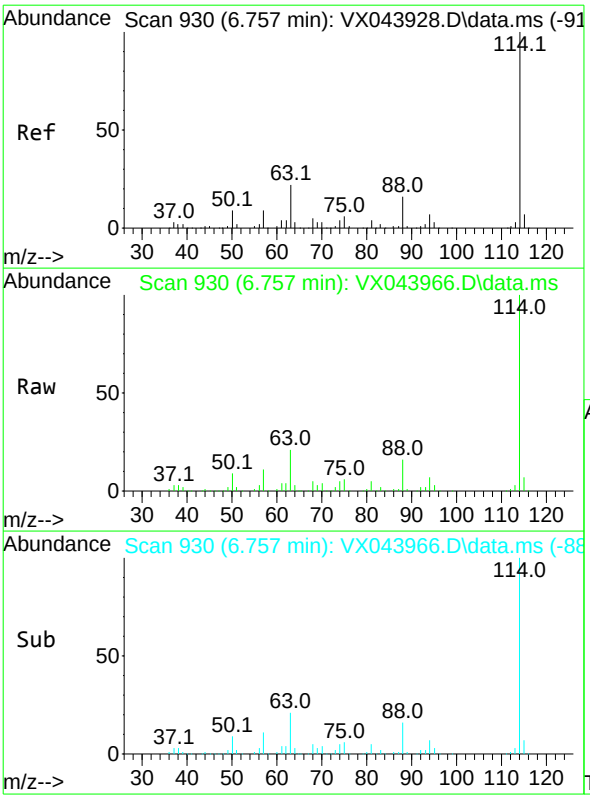


#33
1,2-Dichloroethane-d4
Concen: 51.453 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX043966.D
Acq: 22 Nov 2024 17:39

Tgt Ion: 65 Resp: 107041

Ion	Ratio	Lower	Upper
65	100		
67	50.2	0.0	100.8



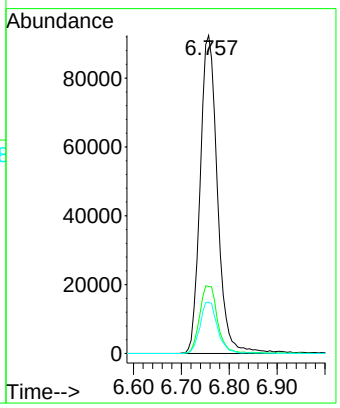


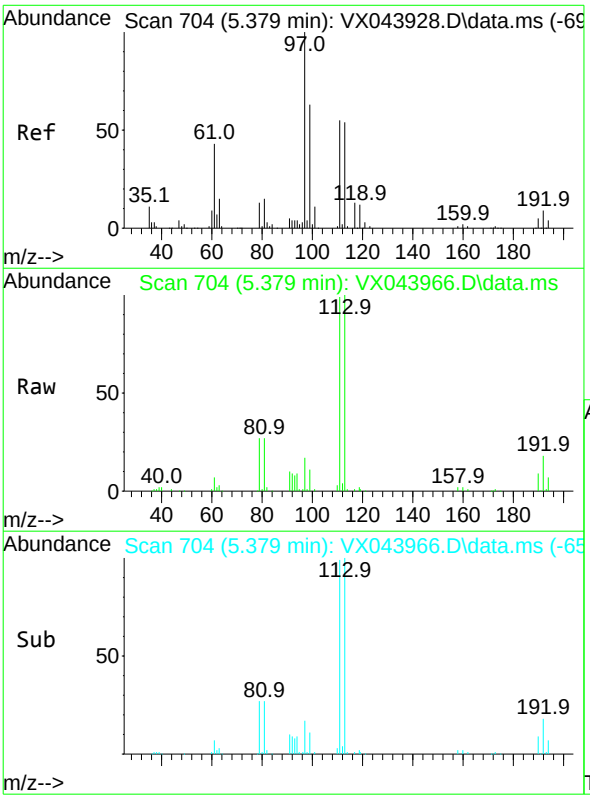
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. -0.000 min
Lab File: VX043966.D
Acq: 22 Nov 2024 17:39

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-02S-20241113

Tgt Ion:114 Resp: 231454

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	44.0
88	16.1	0.0	32.4

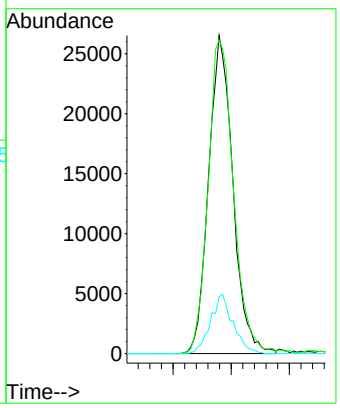


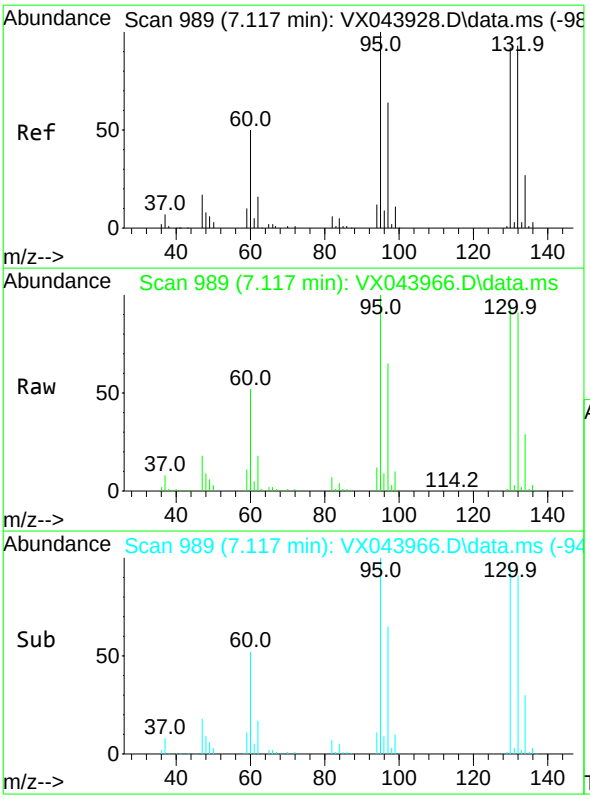


#35
Dibromofluoromethane
Concen: 46.427 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX043966.D
Acq: 22 Nov 2024 17:39

Tgt Ion:113 Resp: 76784

Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.0	121.4
192	17.3	13.0	19.6



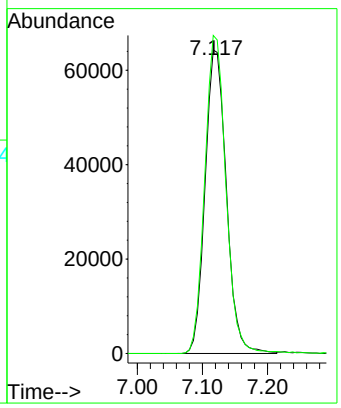


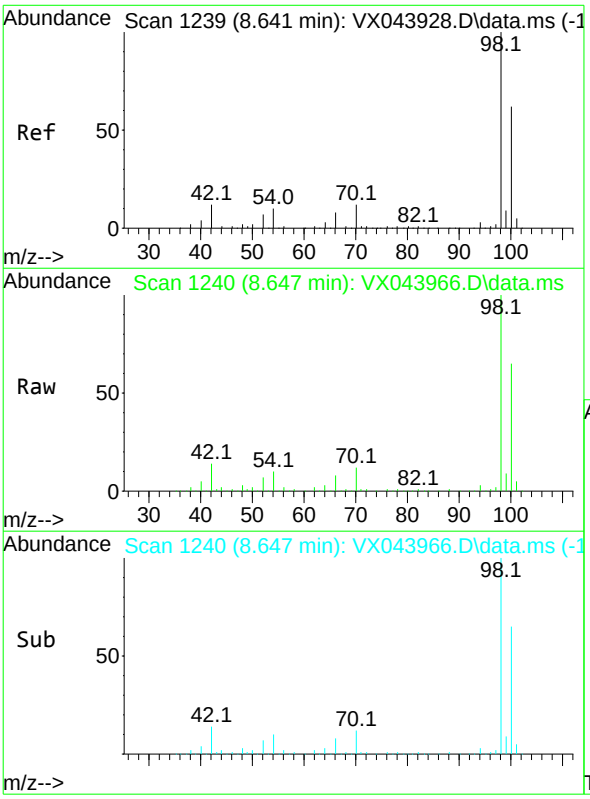
#44
Trichloroethene
Concen: 80.450 ug/l
RT: 7.117 min Scan# 98
Delta R.T. -0.000 min
Lab File: VX043966.D
Acq: 22 Nov 2024 17:39

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-02S-20241113

Tgt Ion:130 Resp: 146202

Ion	Ratio	Lower	Upper
130	100		
95	104.8	0.0	217.8

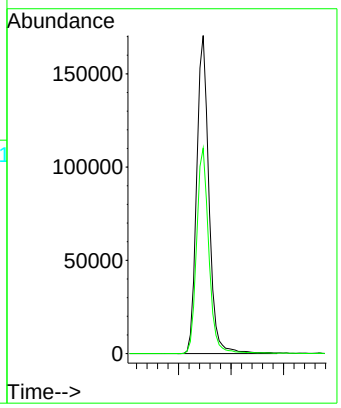


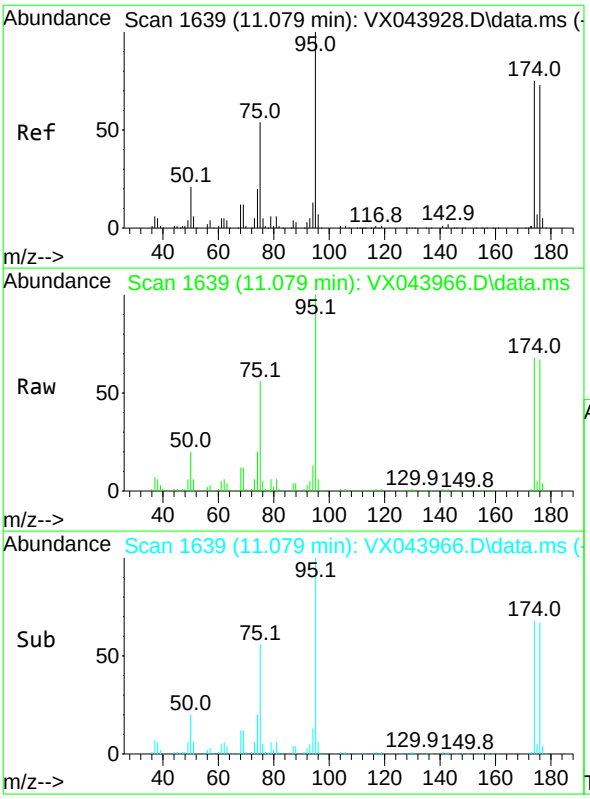


#50
Toluene-d8
Concen: 48.455 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043966.D
Acq: 22 Nov 2024 17:39

Tgt Ion: 98 Resp: 276241

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.6	79.0



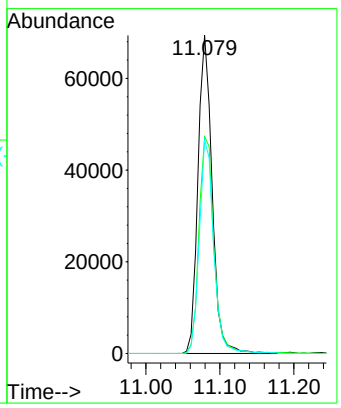


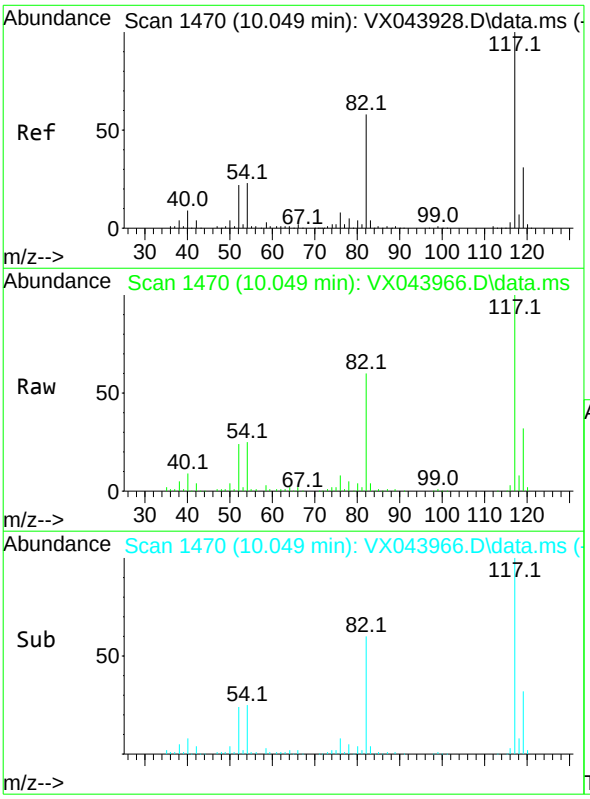
#62
4-Bromofluorobenzene
Concen: 47.622 ug/l
RT: 11.079 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043966.D
Acq: 22 Nov 2024 17:39

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-02S-20241113

Tgt Ion: 95 Resp: 92396

Ion	Ratio	Lower	Upper
95	100		
174	71.7	0.0	150.4
176	68.1	0.0	146.0

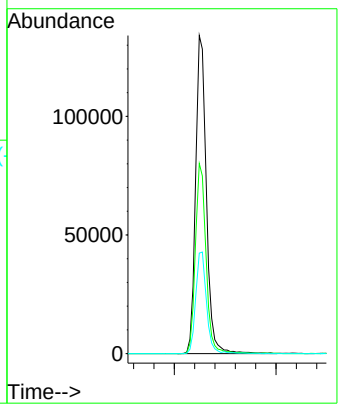


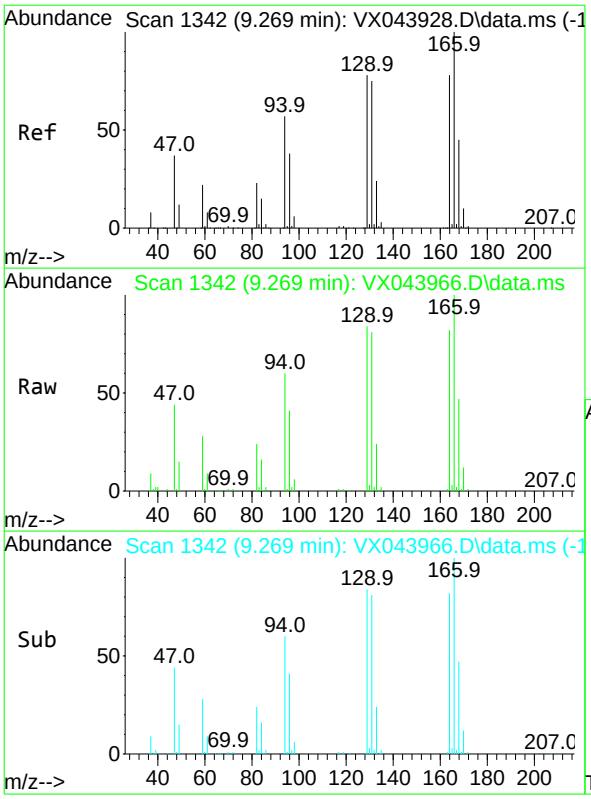


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX043966.D
Acq: 22 Nov 2024 17:39

Tgt Ion:117 Resp: 196600

Ion	Ratio	Lower	Upper
117	100		
82	59.8	46.4	69.6
119	31.6	24.6	37.0



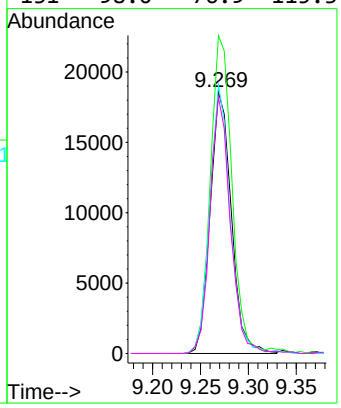


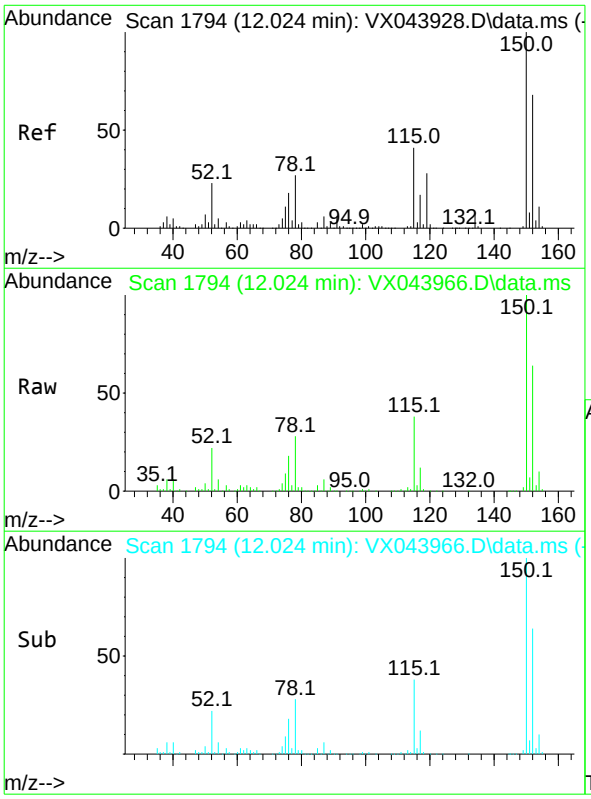
#64
Tetrachloroethene
Concen: 22.034 ug/l
RT: 9.269 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043966.D
Acq: 22 Nov 2024 17:39

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-02S-20241113

Tgt Ion:164 Resp: 28564

Ion	Ratio	Lower	Upper
164	100		
166	121.6	102.1	153.1
129	102.8	79.6	119.4
131	98.0	76.9	115.3

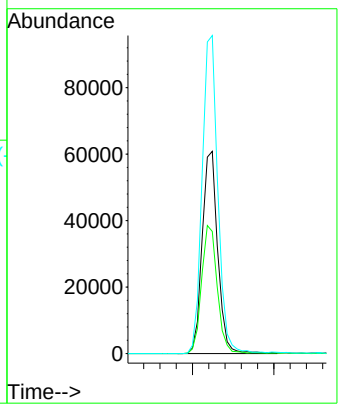




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX043966.D
Acq: 22 Nov 2024 17:39

Tgt Ion:152 Resp: 81016

Ion	Ratio	Lower	Upper
152	100		
115	63.9	45.4	136.2
150	158.2	0.0	353.0



Sample Results: **VX043966.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043966.D
Acq On : 22 Nov 2024 17:39
Operator : JC/MD
Sample : P4846-14
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-02S-20241113

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\82X112124W.M
Title : SW846 8260

Signal : TIC: VX043966.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.240	21	25	32	rBV2	7993	12408	1.40%	0.239%
2	1.544	69	75	76	rBV4	7949	12582	1.41%	0.243%
3	1.612	76	86	87	rVV7	9677	29238	3.29%	0.564%
4	4.489	548	558	567	rBV3	5813	16206	1.82%	0.313%
5	5.379	693	704	718	rBV	104797	303793	34.16%	5.861%
6	5.544	720	731	746	rBV2	134981	393659	44.27%	7.594%
7	5.946	787	797	812	rBV2	112213	297864	33.50%	5.746%
8	6.757	920	930	943	rBV	229946	564690	63.50%	10.894%
9	7.117	981	989	1008	rBV	388634	889248	100.00%	17.155%
10	8.647	1233	1240	1259	rBV	463439	758869	85.34%	14.640%
11	9.269	1336	1342	1356	rVB	161190	244713	27.52%	4.721%
12	10.049	1465	1470	1483	rBV	445661	650385	73.14%	12.547%
13	11.079	1634	1639	1650	rBV	346171	464990	52.29%	8.970%
14	12.018	1788	1793	1805	rBV	410374	545031	61.29%	10.514%

Sum of corrected areas: 5183676

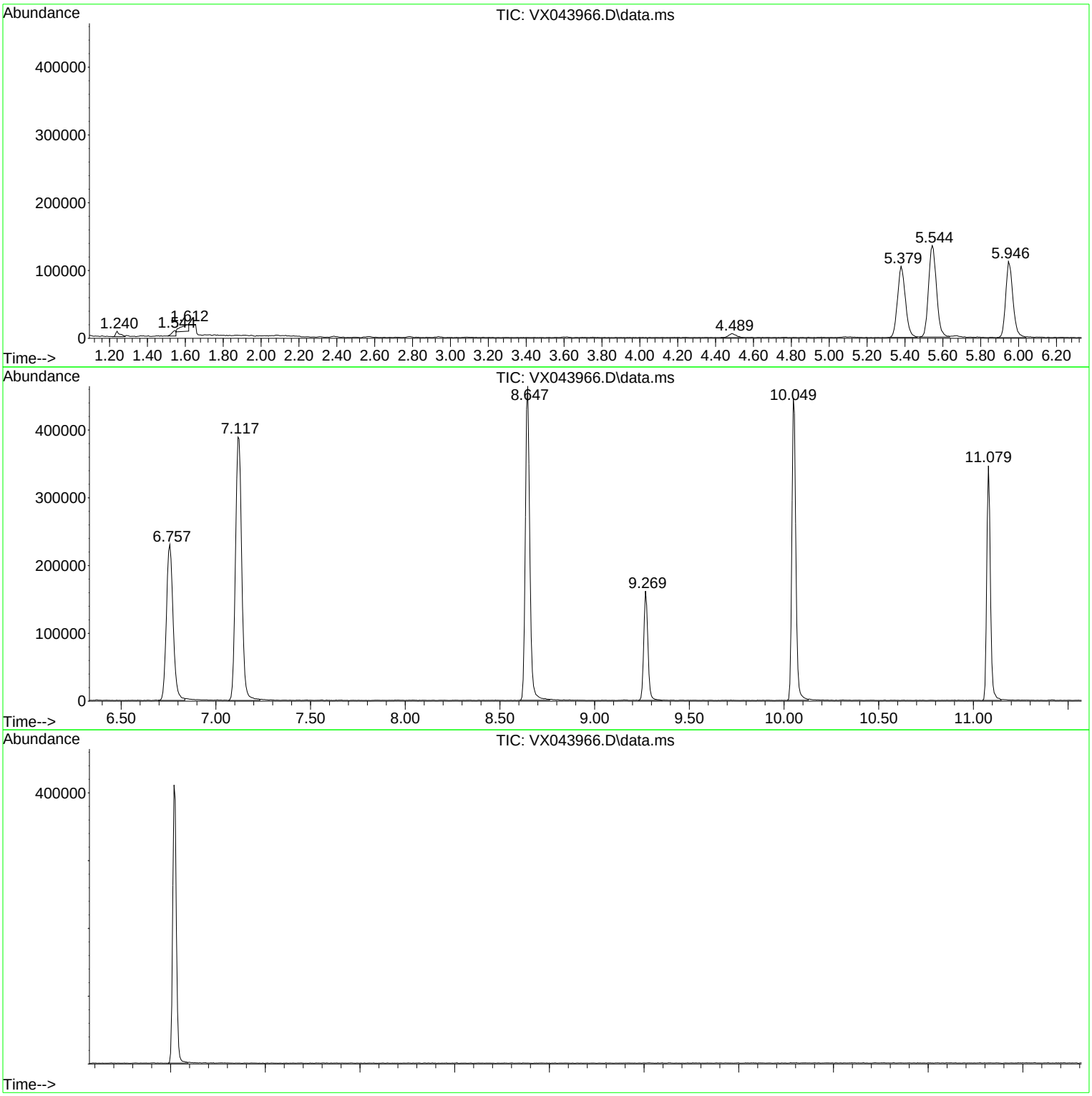
Sample Results: **VX043966.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043966.D
Acq On : 22 Nov 2024 17:39
Operator : JC/MD
Sample : P4846-14
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-02S-20241113

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VX043966.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043966.D
Acq On : 22 Nov 2024 17:39
Operator : JC/MD
Sample : P4846-14
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-02S-20241113

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.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\VX112224\
Data File : VX043966.D
Acq On : 22 Nov 2024 17:39
Operator : JC/MD
Sample : P4846-14
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-02S-20241113

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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

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

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-FD-4-20241113	SDG No.:	P4846
Lab Sample ID:	P4846-15	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043967.D	1		11/22/24 18:01	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.37	J	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	1.90	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.34	J	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	2.10		0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	5.20		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	85.5		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-FD-4-20241113	SDG No.:	P4846
Lab Sample ID:	P4846-15	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043967.D	1		11/22/24 18:01	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	22.4		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.9		81 - 118		104%	SPK: 50
1868-53-7	Dibromofluoromethane	45.8		80 - 119		92%	SPK: 50
2037-26-5	Toluene-d8	50.4		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.2		85 - 114		94%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	113000	5.543				
540-36-3	1,4-Difluorobenzene	219000	6.757				
3114-55-4	Chlorobenzene-d5	192000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	76000	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							

Raw Data: **VX043967.D**

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-FD-4-20241113	SDG No.:	P4846
Lab Sample ID:	P4846-15	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043967.D	1		11/22/24 18:01	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
	unknown1.629	13.0	J			1.63	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\VX112224\
Data File : VX043967.D
Acq On : 22 Nov 2024 18:01
Operator : JC/MD
Sample : P4846-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-FD-4-20241113

Quant Time: Nov 22 22:27:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

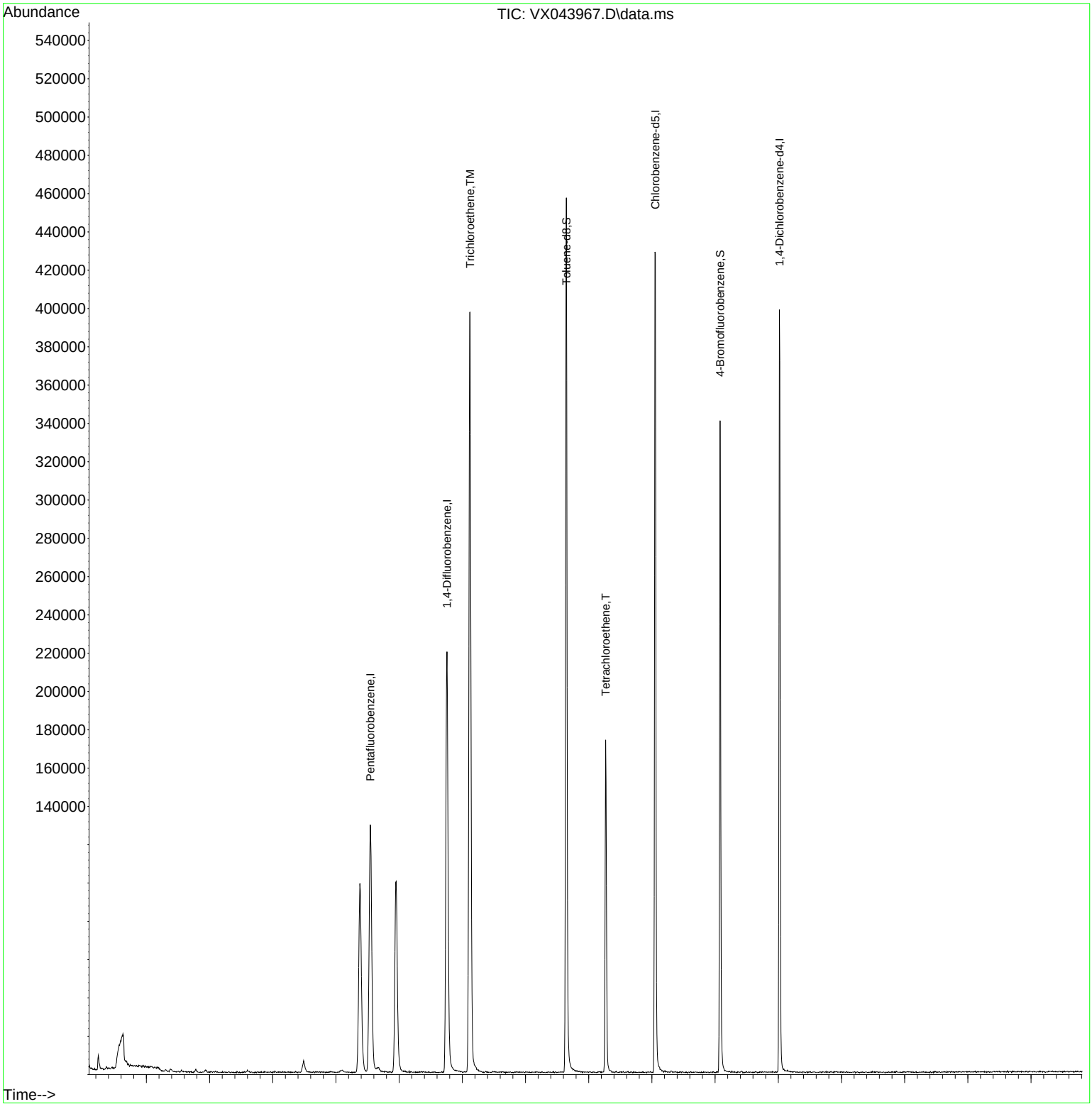
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	113237	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	219483	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	191952	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	75953	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	100774	51.886	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.780%			
35) Dibromofluoromethane	5.385	113	71859	45.819	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 91.640%			
50) Toluene-d8	8.646	98	272468	50.400	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.800%			
62) 4-Bromofluorobenzene	11.079	95	86917	47.241	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.480%			
Target Compounds						Qvalue
3) Chloromethane	1.294	50	564	0.374	ug/l #	79
16) Acetone	2.379	43	1685	1.889	ug/l	96
20) Methylene Chloride	2.782	84	512	0.338	ug/l #	79
27) cis-1,2-Dichloroethene	4.489	96	3481	2.090	ug/l	86
32) 1,1,1-Trichloroethane	5.379	97	12723	5.216	ug/l	98
44) Trichloroethene	7.122	130	147416	85.543	ug/l	93
64) Tetrachloroethene	9.268	164	28383	22.425	ug/l	93

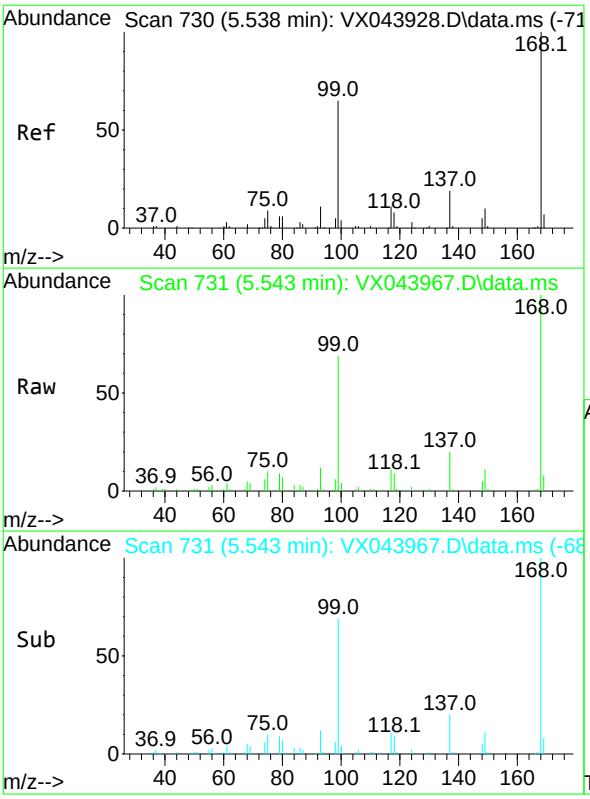
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043967.D
Acq On : 22 Nov 2024 18:01
Operator : JC/MD
Sample : P4846-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-FD-4-20241113

Quant Time: Nov 22 22:27:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



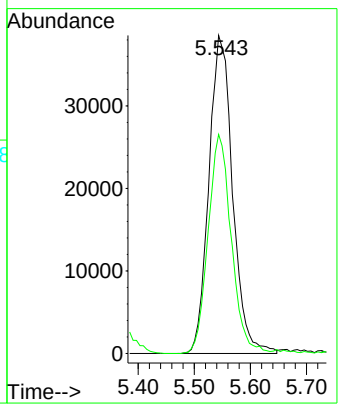


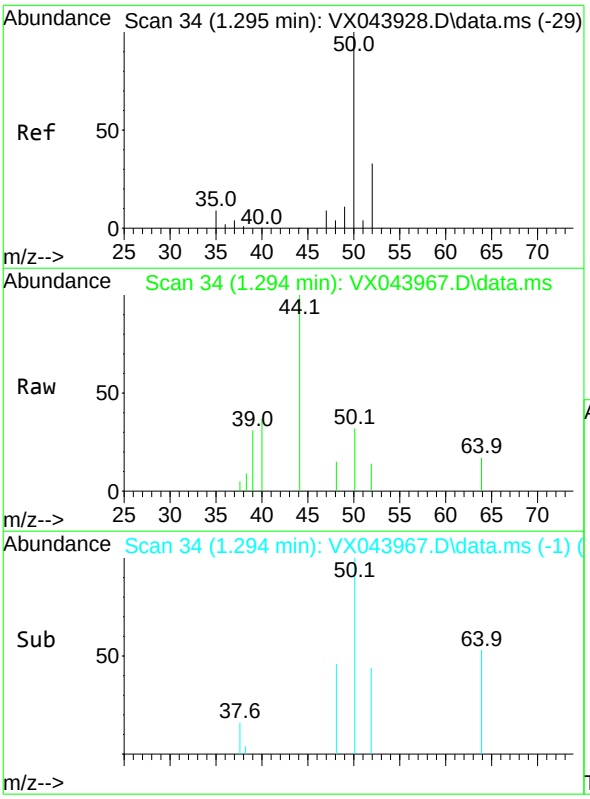
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 73
Delta R.T. 0.005 min
Lab File: VX043967.D
Acq: 22 Nov 2024 18:01

Instrument :
MSVOA_X
ClientSampleId :
FSND-FD-4-20241113

Tgt Ion:168 Resp: 113237

Ion	Ratio	Lower	Upper
168	100		
99	68.9	51.8	77.8

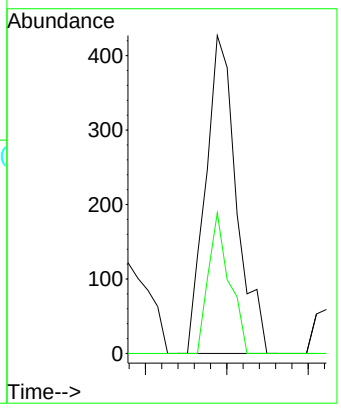


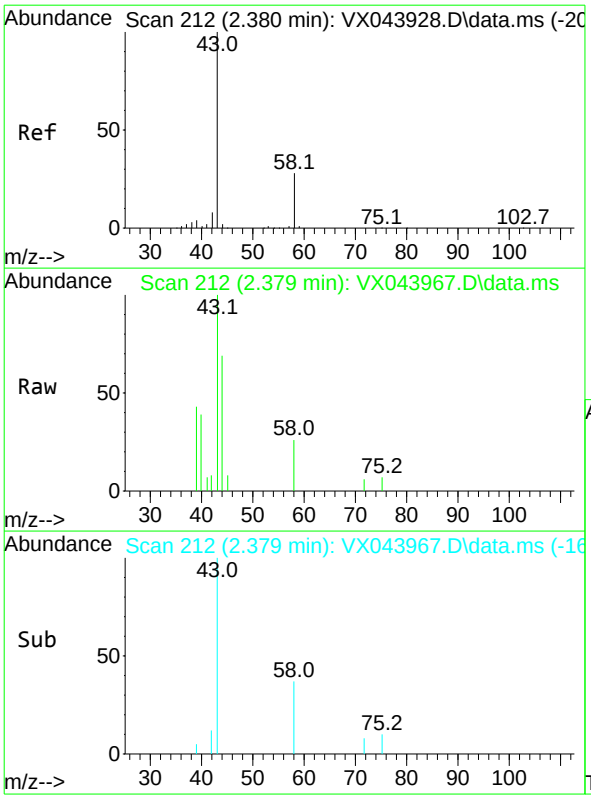


#3
Chloromethane
Concen: 0.374 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX043967.D
Acq: 22 Nov 2024 18:01

Tgt Ion: 50 Resp: 564

Ion	Ratio	Lower	Upper
50	100		
52	44.3	26.1	39.1#



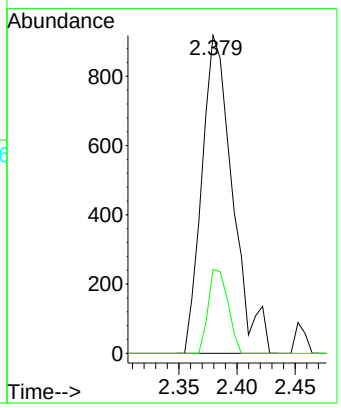


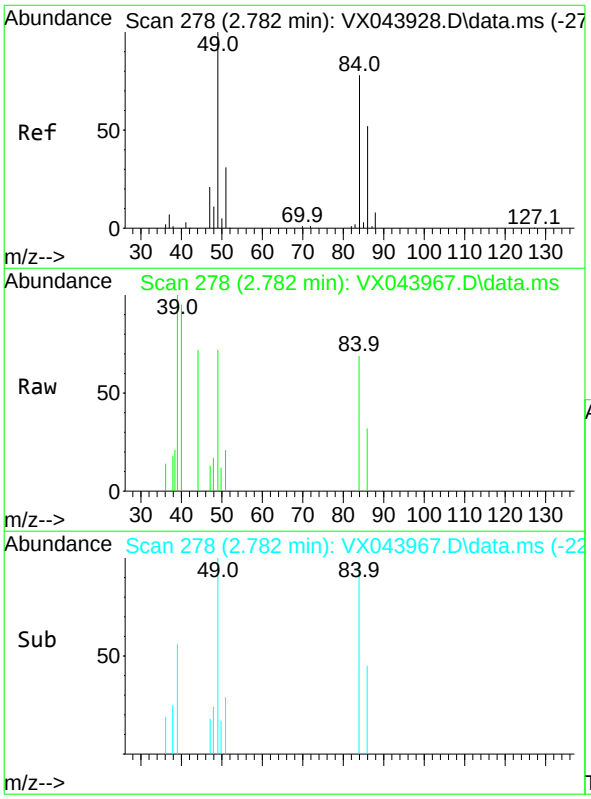
#16
Acetone
Concen: 1.889 ug/l
RT: 2.379 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX043967.D
Acq: 22 Nov 2024 18:01

Instrument :
MSVOA_X
ClientSampleId :
FSND-FD-4-20241113

Tgt Ion: 43 Resp: 1685

Ion	Ratio	Lower	Upper
43	100		
58	26.4	22.7	34.1

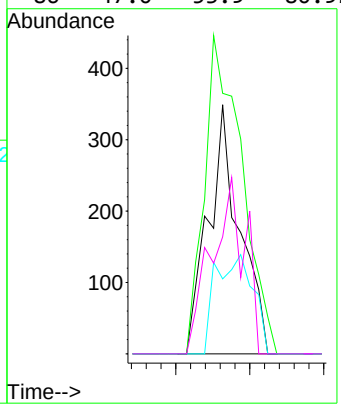


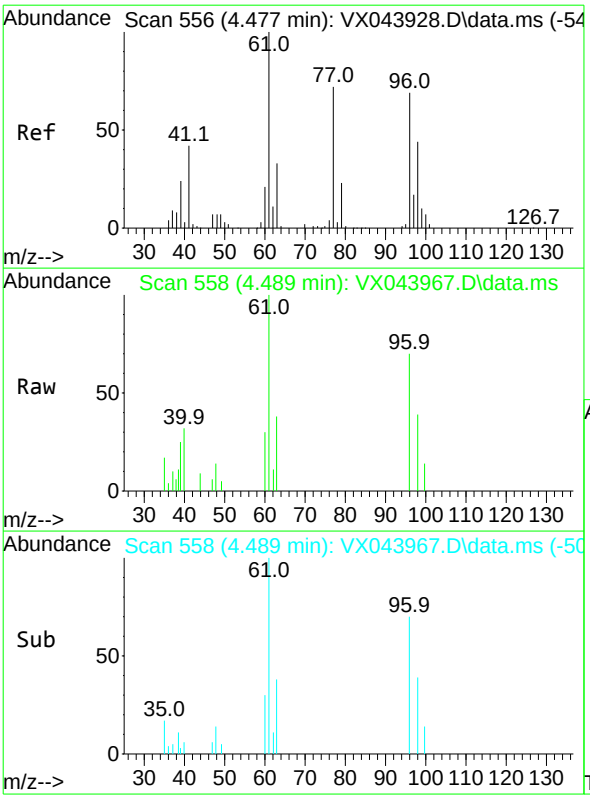


#20
Methylene Chloride
Concen: 0.338 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043967.D
Acq: 22 Nov 2024 18:01

Tgt Ion: 84 Resp: 512

Ion	Ratio	Lower	Upper
84	100		
49	104.6	102.7	154.1
51	30.1	31.7	47.5#
86	47.0	53.9	80.9#



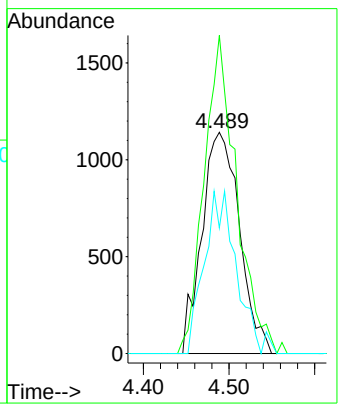


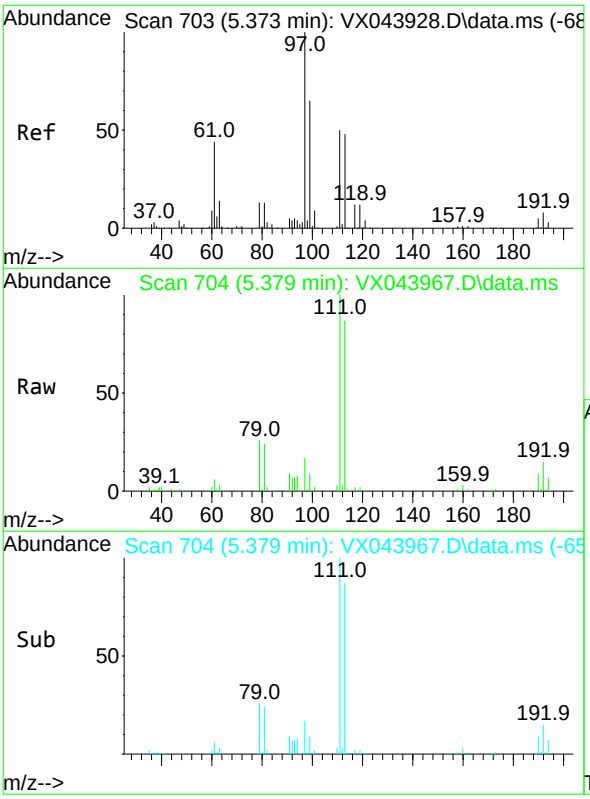
#27
cis-1,2-Dichloroethene
Concen: 2.090 ug/l
RT: 4.489 min Scan# 55
Delta R.T. 0.012 min
Lab File: VX043967.D
Acq: 22 Nov 2024 18:01

Instrument :
MSVOA_X
ClientSampleId :
FSND-FD-4-20241113

Tgt Ion: 96 Resp: 3481

Ion	Ratio	Lower	Upper
96	100		
61	124.4	0.0	297.4
98	61.4	0.0	127.8

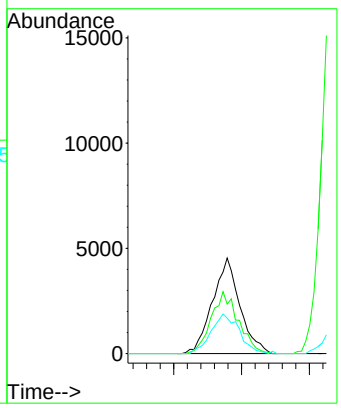


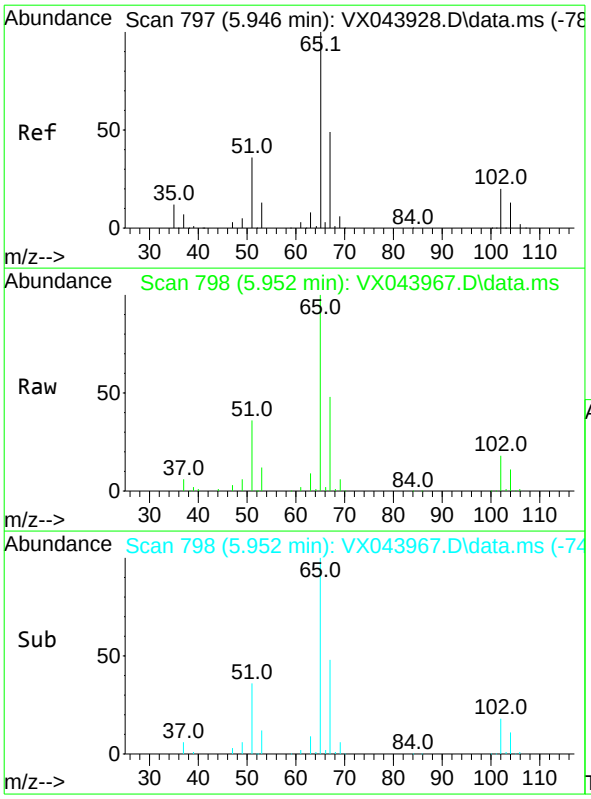


#32
1,1,1-Trichloroethane
Concen: 5.216 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX043967.D
Acq: 22 Nov 2024 18:01

Tgt Ion: 97 Resp: 12723

Ion	Ratio	Lower	Upper
97	100		
99	64.4	50.8	76.2
61	42.5	35.4	53.2



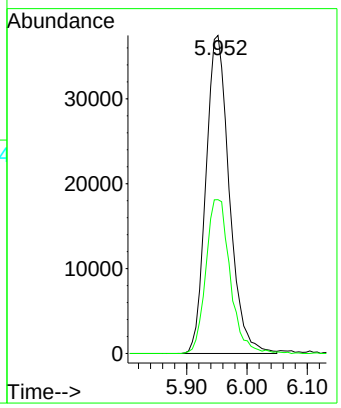


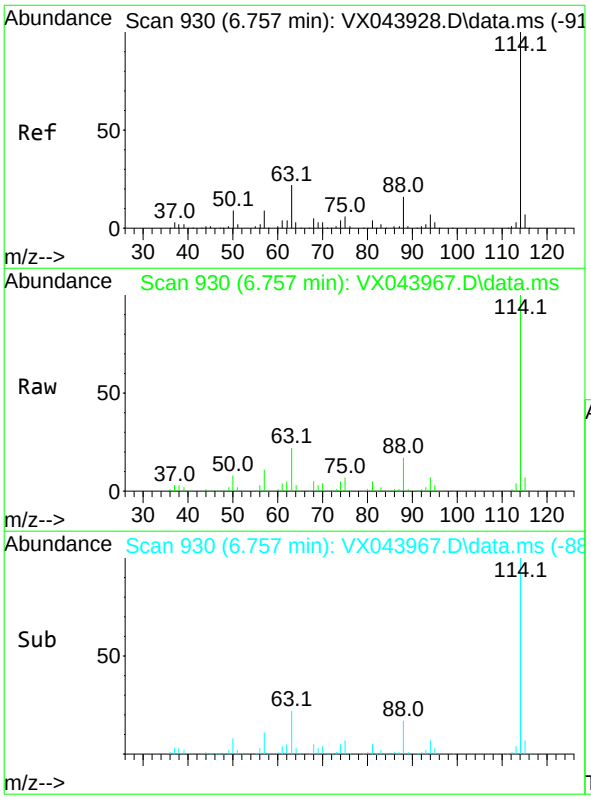
#33
1,2-Dichloroethane-d4
Concen: 51.886 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.006 min
Lab File: VX043967.D
Acq: 22 Nov 2024 18:01

Instrument :
MSVOA_X
ClientSampleId :
FSND-FD-4-20241113

Tgt Ion: 65 Resp: 100774

Ion	Ratio	Lower	Upper
65	100		
67	50.4	0.0	100.8

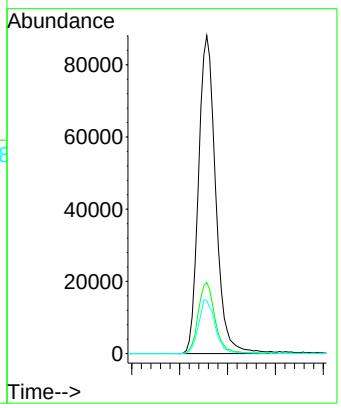


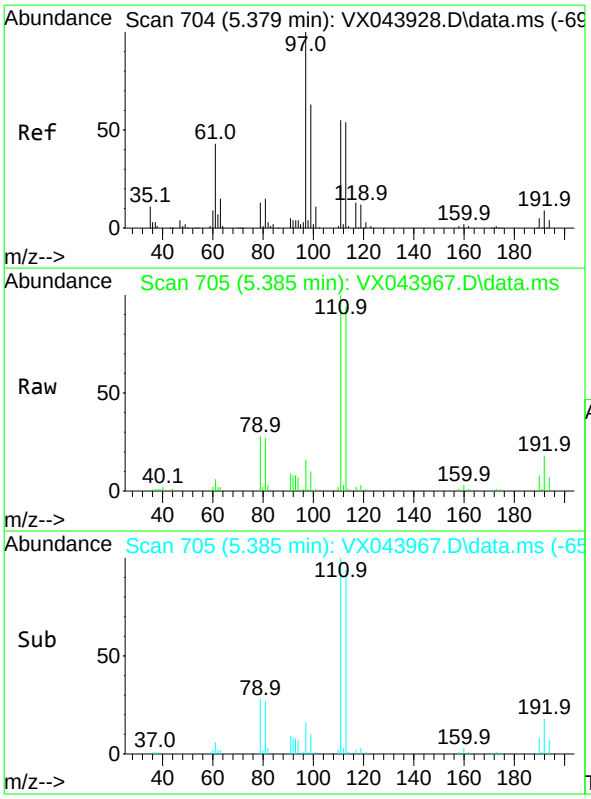


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043967.D
Acq: 22 Nov 2024 18:01

Tgt Ion:114 Resp: 219483

Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	44.0
88	16.7	0.0	32.4



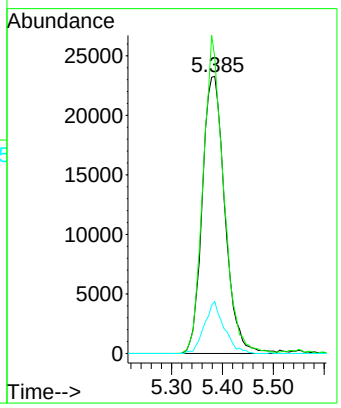


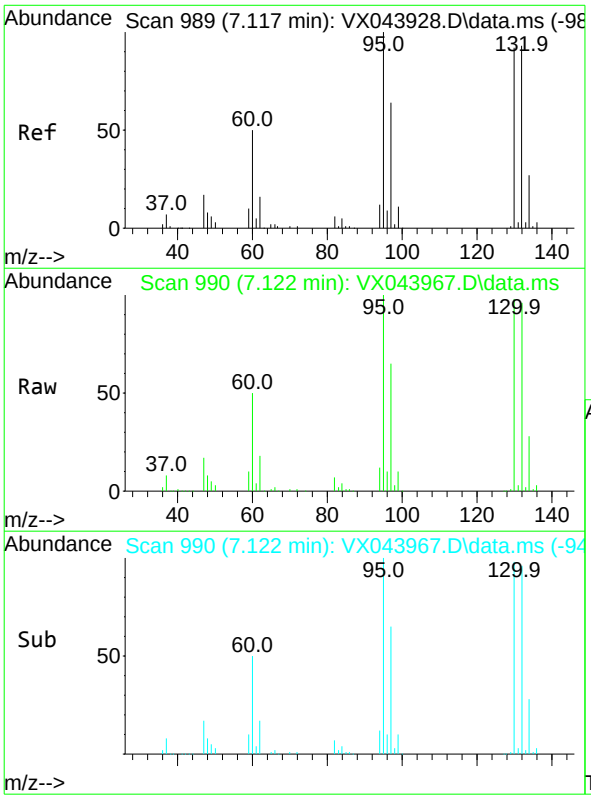
#35
Dibromofluoromethane
Concen: 45.819 ug/l
RT: 5.385 min Scan# 70
Delta R.T. 0.006 min
Lab File: VX043967.D
Acq: 22 Nov 2024 18:01

Instrument :
MSVOA_X
ClientSampleId :
FSND-FD-4-20241113

Tgt Ion:113 Resp: 71859

Ion	Ratio	Lower	Upper
113	100		
111	104.1	81.0	121.4
192	16.4	13.0	19.6

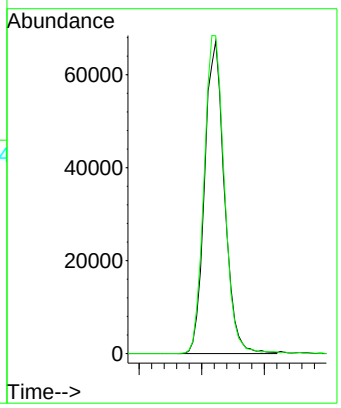


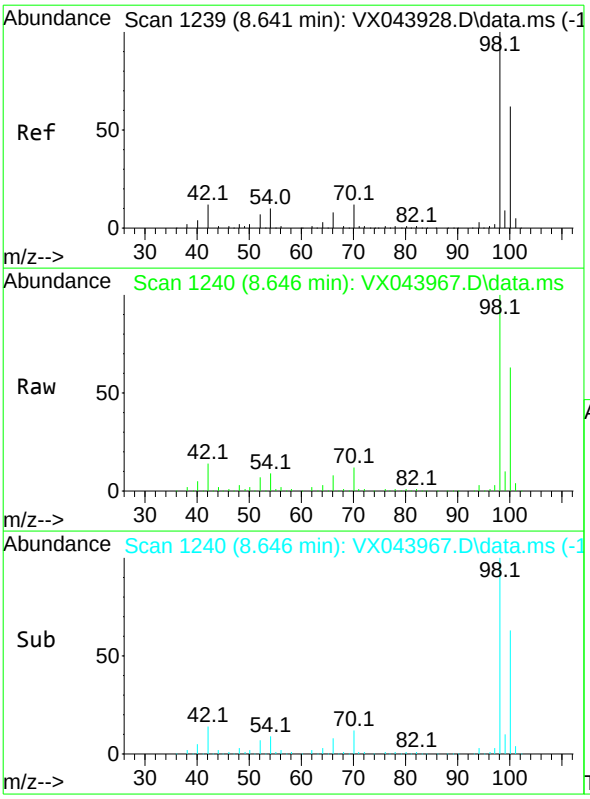


#44
Trichloroethene
Concen: 85.543 ug/l
RT: 7.122 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX043967.D
Acq: 22 Nov 2024 18:01

Tgt Ion:130 Resp: 147416

Ion	Ratio	Lower	Upper
130	100		
95	101.7	0.0	217.8



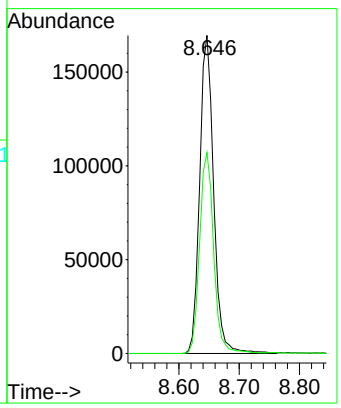


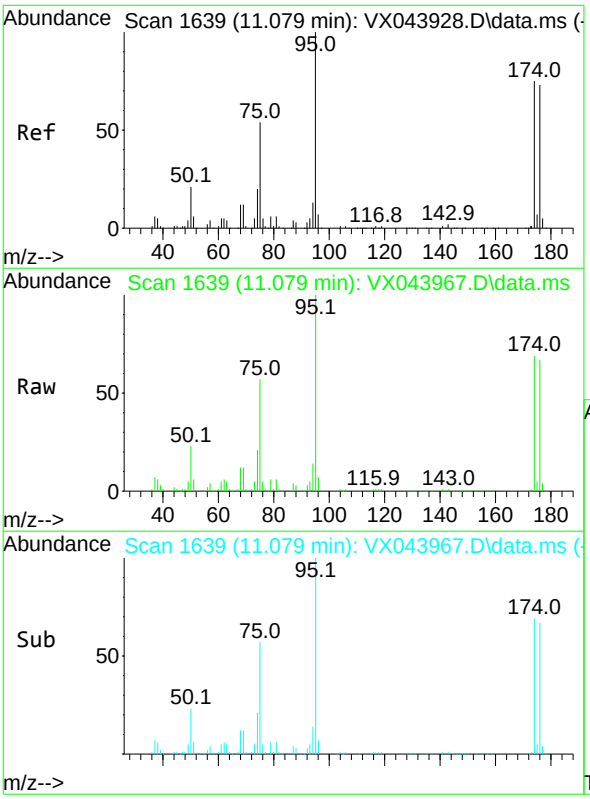
#50
Toluene-d8
Concen: 50.400 ug/l
RT: 8.646 min Scan# 12
Delta R.T. 0.006 min
Lab File: VX043967.D
Acq: 22 Nov 2024 18:01

Instrument :
MSVOA_X
ClientSampleId :
FSND-FD-4-20241113

Tgt Ion: 98 Resp: 272468

Ion	Ratio	Lower	Upper
98	100		
100	63.5	52.6	79.0

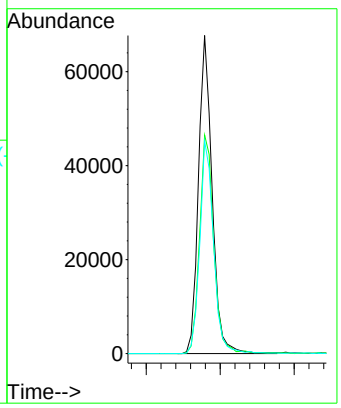


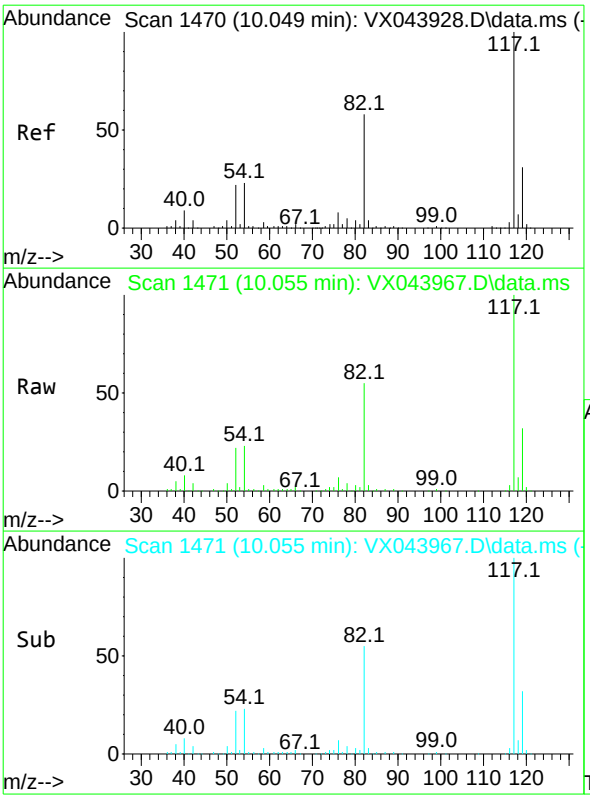


#62
4-Bromofluorobenzene
Concen: 47.241 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043967.D
Acq: 22 Nov 2024 18:01

Tgt Ion: 95 Resp: 86917

Ion	Ratio	Lower	Upper
95	100		
174	71.4	0.0	150.4
176	67.6	0.0	146.0



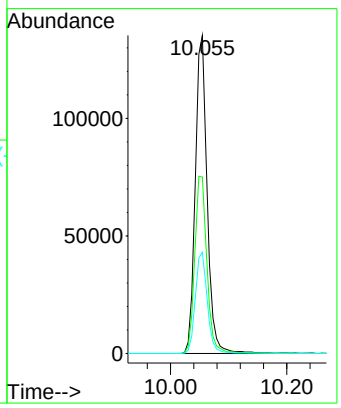


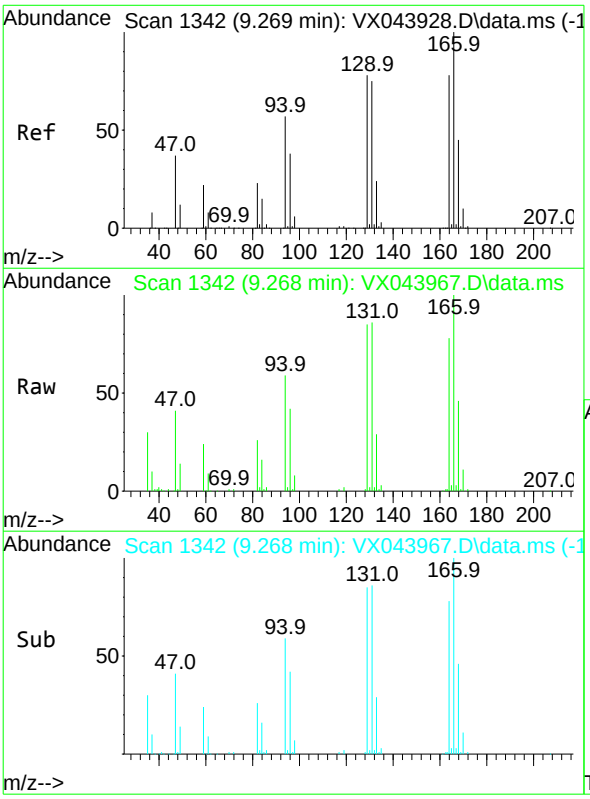
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043967.D
Acq: 22 Nov 2024 18:01

Instrument :
MSVOA_X
ClientSampleId :
FSND-FD-4-20241113

Tgt Ion:117 Resp: 191952

Ion	Ratio	Lower	Upper
117	100		
82	55.5	46.4	69.6
119	31.8	24.6	37.0

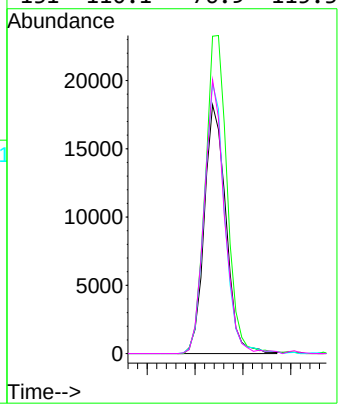


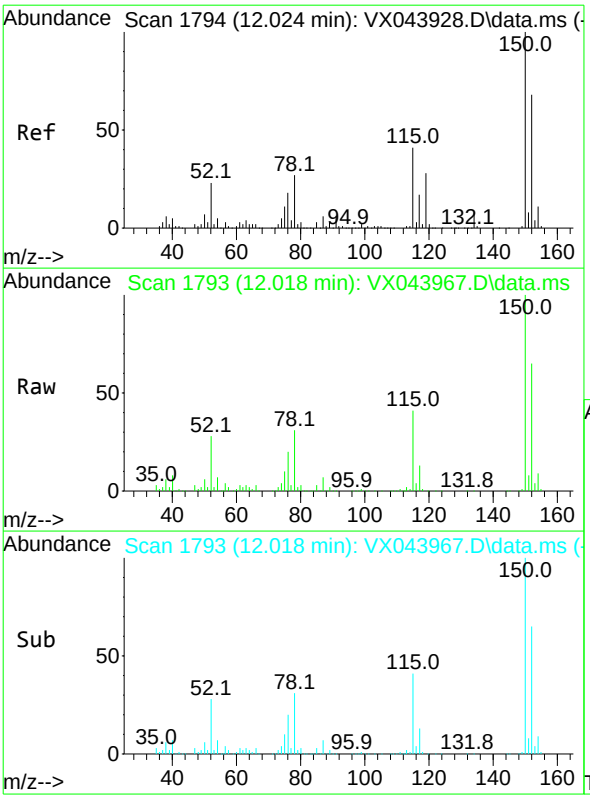


#64
Tetrachloroethene
Concen: 22.425 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX043967.D
Acq: 22 Nov 2024 18:01

Tgt Ion:164 Resp: 28383

Ion	Ratio	Lower	Upper
164	100		
166	127.6	102.1	153.1
129	108.7	79.6	119.4
131	110.1	76.9	115.3



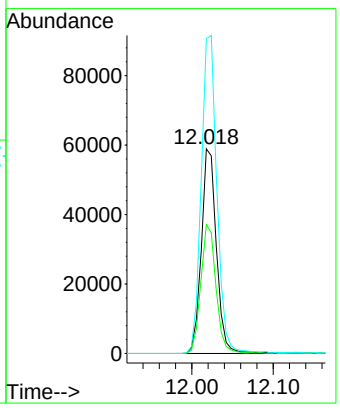


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 17
Delta R.T. -0.007 min
Lab File: VX043967.D
Acq: 22 Nov 2024 18:01

Instrument :
MSVOA_X
ClientSampleId :
FSND-FD-4-20241113

Tgt Ion:152 Resp: 75953

Ion	Ratio	Lower	Upper
152	100		
115	63.0	45.4	136.2
150	161.4	0.0	353.0



Sample Results: **VX043967.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043967.D
Acq On : 22 Nov 2024 18:01
Operator : JC/MD
Sample : P4846-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-FD-4-20241113

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\82X112124W.M
Title : SW846 8260

Signal : TIC: VX043967.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.239	21	25	30	rBV3	7701	11652	1.30%	0.229%
2	1.629	69	89	96	rBV7	17703	97086	10.80%	1.910%
3	4.489	550	558	567	rBV3	6111	15710	1.75%	0.309%
4	5.379	693	704	720	rBV	98587	289085	32.15%	5.688%
5	5.543	720	731	746	rBV	128771	372420	41.41%	7.328%
6	5.952	788	798	813	rBV	99549	275512	30.64%	5.421%
7	6.757	920	930	951	rBV	219796	541449	60.21%	10.654%
8	7.122	981	990	1007	rBV	396845	899304	100.00%	17.695%
9	8.646	1233	1240	1257	rBV	456545	741441	82.45%	14.589%
10	9.268	1336	1342	1354	rBV	173427	257115	28.59%	5.059%
11	10.049	1465	1470	1481	rBV	428532	628724	69.91%	12.371%
12	11.079	1634	1639	1651	rBV	340329	438977	48.81%	8.638%
13	12.018	1788	1793	1803	rBV	398153	513663	57.12%	10.107%

Sum of corrected areas: 5082138

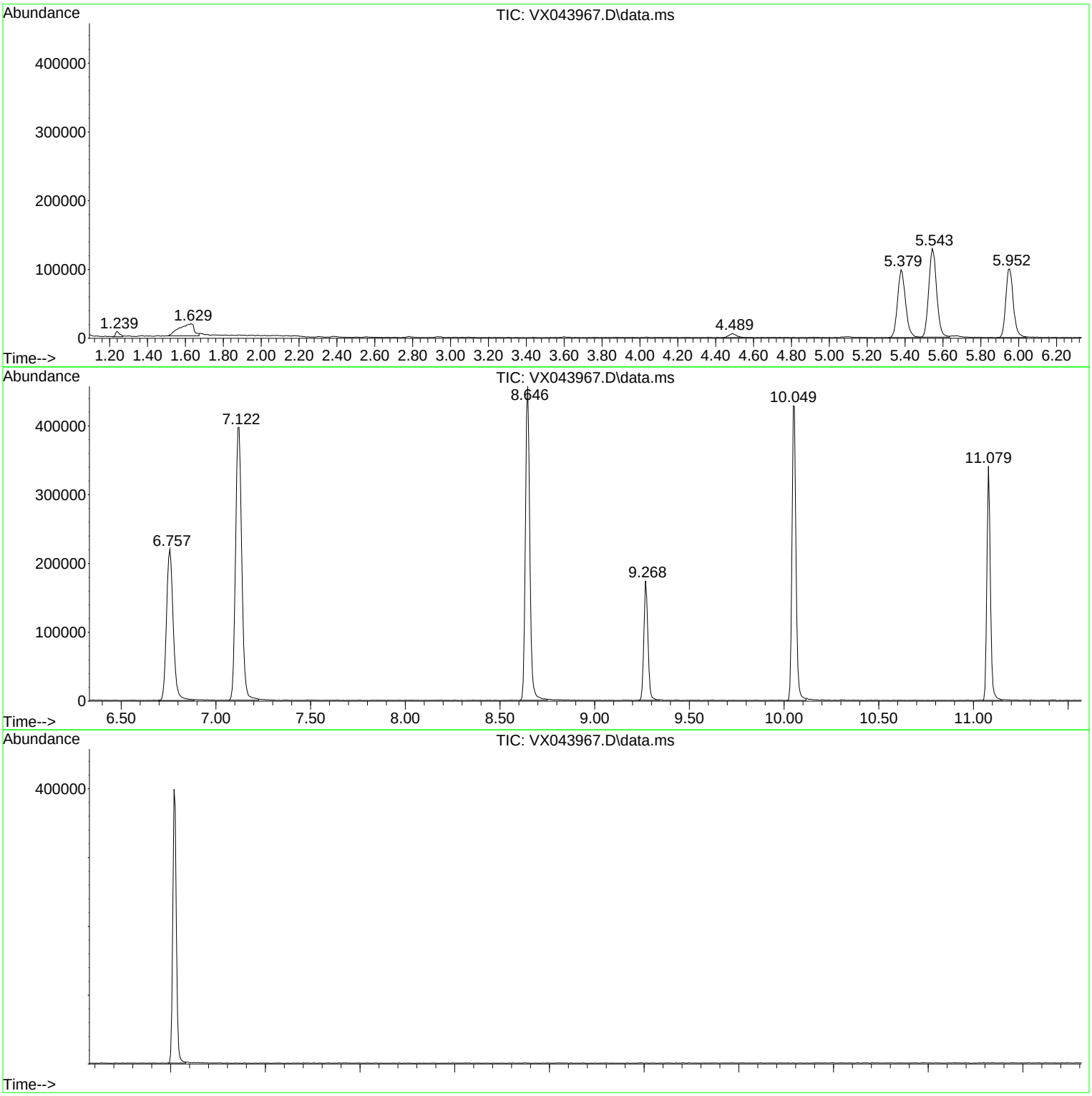
Sample Results: **VX043967.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043967.D
Acq On : 22 Nov 2024 18:01
Operator : JC/MD
Sample : P4846-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-FD-4-20241113

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043967.D
Acq On : 22 Nov 2024 18:01
Operator : JC/MD
Sample : P4846-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-FD-4-20241113

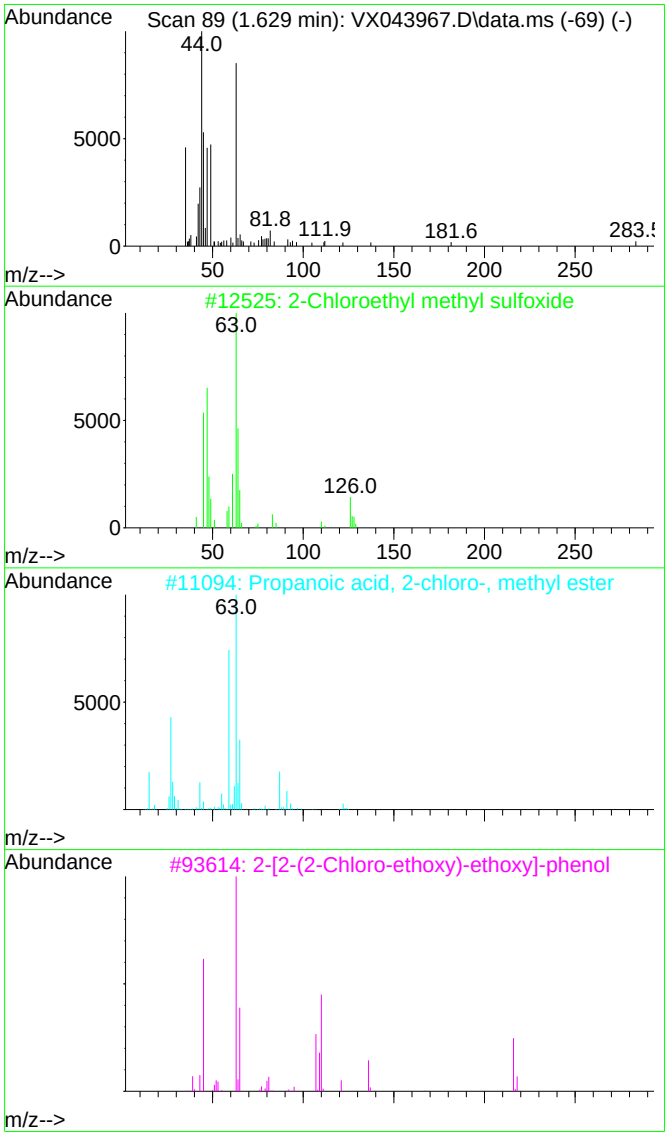
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

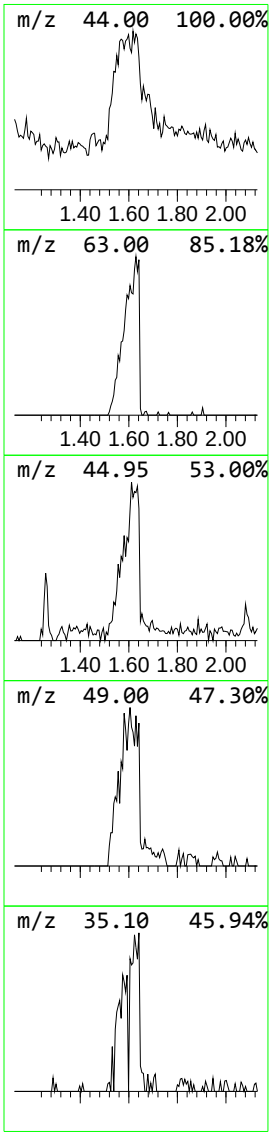
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 unknown1.629 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.629	13.03 ug/l	97086	Pentafluorobenzene	5.543

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Chloroethyl methyl sulfoxide	126	C3H7ClOS	005331-57-7	28
2	Propanoic acid, 2-chloro-, methy...	122	C4H7ClO2	017639-93-9	9
3	2-[2-(2-Chloro-ethoxy)-ethoxy]-p...	216	C10H13ClO3	1000317-46-1	9
4	Boron trifluoride etherate	142	C4H10BF3O	000109-63-7	9
5	Isopropylthiophosphondiamide	138	C3H11N2PS	1000306-03-6	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043967.D
Acq On : 22 Nov 2024 18:01
Operator : JC/MD
Sample : P4846-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-FD-4-20241113

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown1.629	1.629	13.0	ug/l	97086	1	5.543	372420	50.0

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-EVAL-01D-20241113	SDG No.:	P4846
Lab Sample ID:	P4846-16	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043968.D	1		11/22/24 18:25	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.68	J	0.26	0.75	1.00	ug/L
67-64-1	Acetone	1.70	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	9.10		0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	340	E	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.51	J	0.18	0.50	1.00	ug/L

Raw Data: **VX043968.D**

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Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-EVAL-01D-20241113	SDG No.:	P4846
Lab Sample ID:	P4846-16	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043968.D	1		11/22/24 18:25	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.4		81 - 118		105%	SPK: 50
1868-53-7	Dibromofluoromethane	45.8		80 - 119		92%	SPK: 50
2037-26-5	Toluene-d8	49.6		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.2		85 - 114		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	108000	5.544				
540-36-3	1,4-Difluorobenzene	213000	6.757				
3114-55-4	Chlorobenzene-d5	185000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	77800	12.024				

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Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-EVAL-01D-20241113	SDG No.:	P4846
Lab Sample ID:	P4846-16	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043968.D	1		11/22/24 18:25	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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

Sample Results: **VX043968.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043968.D
Acq On : 22 Nov 2024 18:25
Operator : JC/MD
Sample : P4846-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-01D-20241113

Quant Time: Nov 22 22:28:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

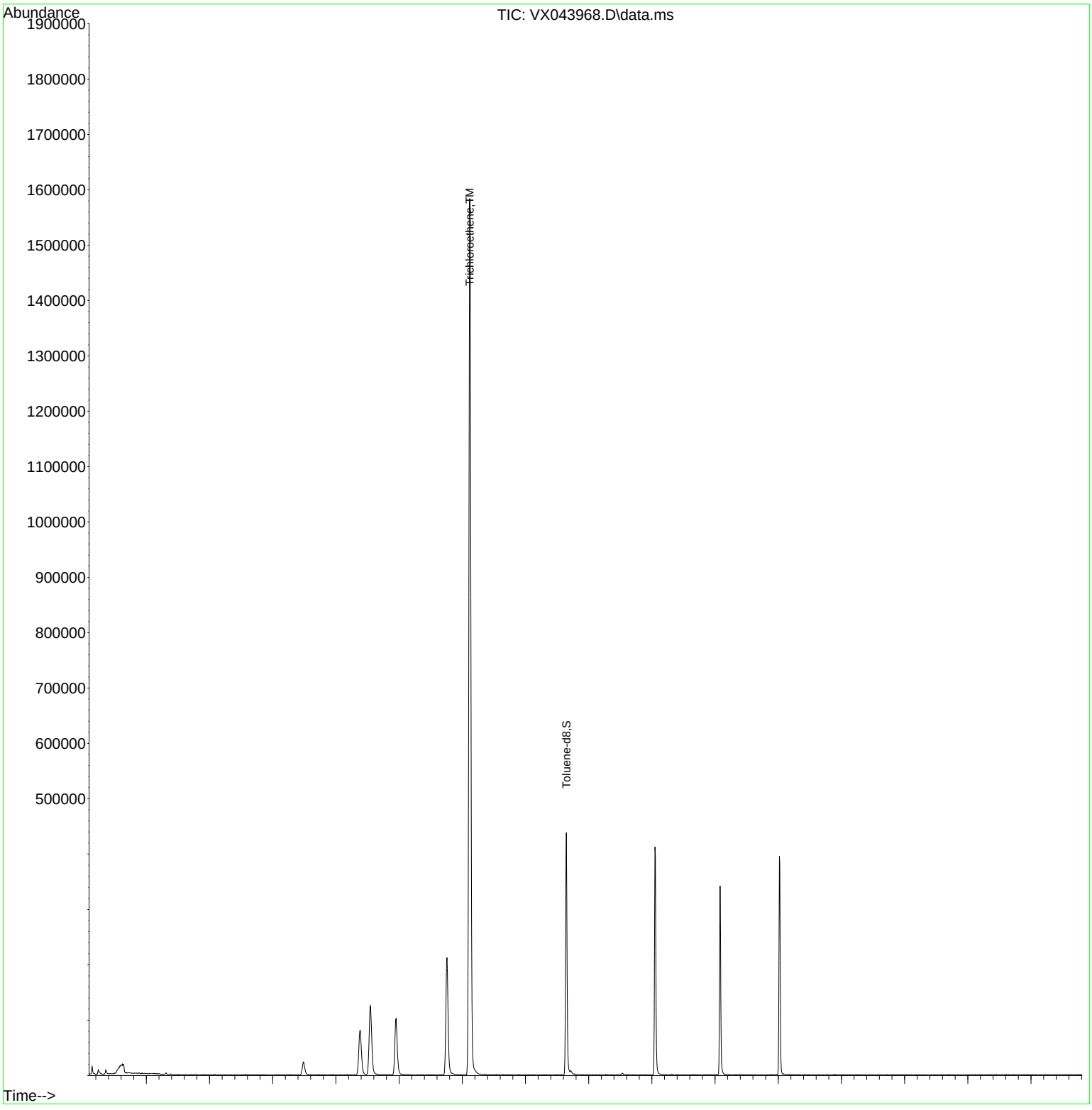
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	108343	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	213438	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	185232	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	77833	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	97377	52.402	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.800%			
35) Dibromofluoromethane	5.379	113	69840	45.793	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 91.580%			
50) Toluene-d8	8.647	98	260832	49.614	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.220%			
62) 4-Bromofluorobenzene	11.079	95	87967	49.166	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.340%			
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.313	96	850	0.681	ug/l	89
16) Acetone	2.374	43	1472	1.725	ug/l #	85
27) cis-1,2-Dichloroethene	4.483	96	14439	9.063	ug/l	88
44) Trichloroethene	7.117	130	571405	340.966	ug/l	97
52) Toluene	8.720	92	1801	0.508	ug/l	94

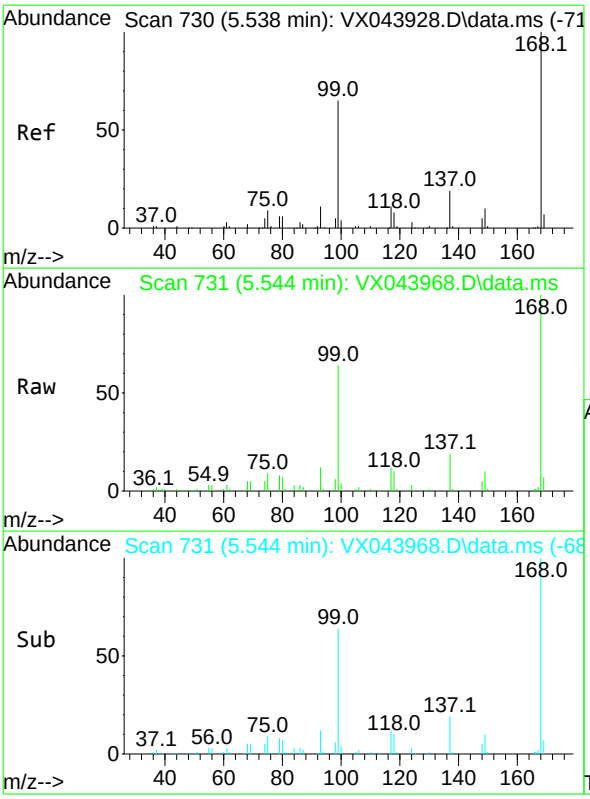
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043968.D
Acq On : 22 Nov 2024 18:25
Operator : JC/MD
Sample : P4846-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-01D-20241113

Quant Time: Nov 22 22:28:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



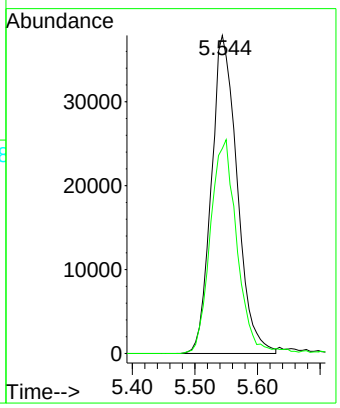


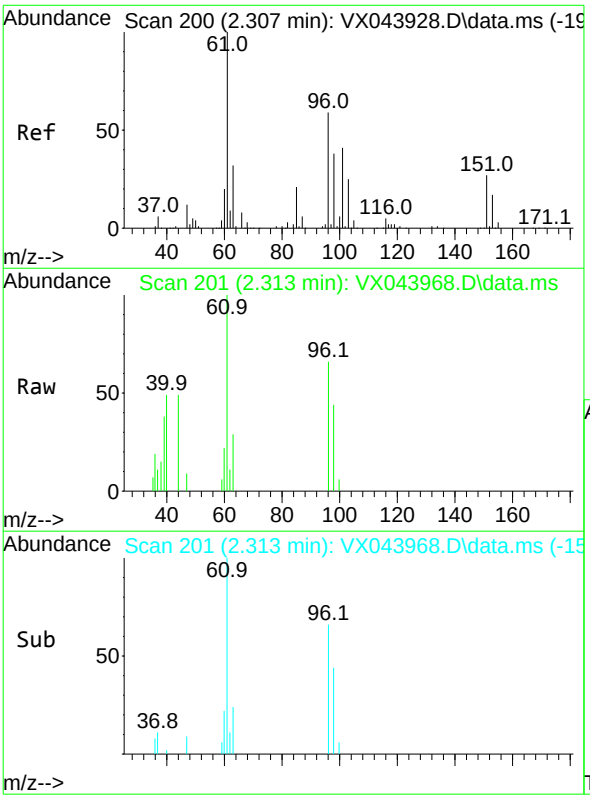
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. 0.006 min
Lab File: VX043968.D
Acq: 22 Nov 2024 18:25

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-01D-20241113

Tgt Ion:168 Resp: 108343

Ion	Ratio	Lower	Upper
168	100		
99	64.5	51.8	77.8

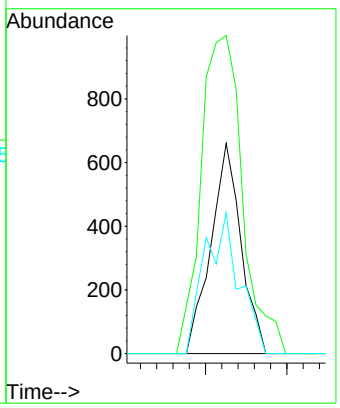


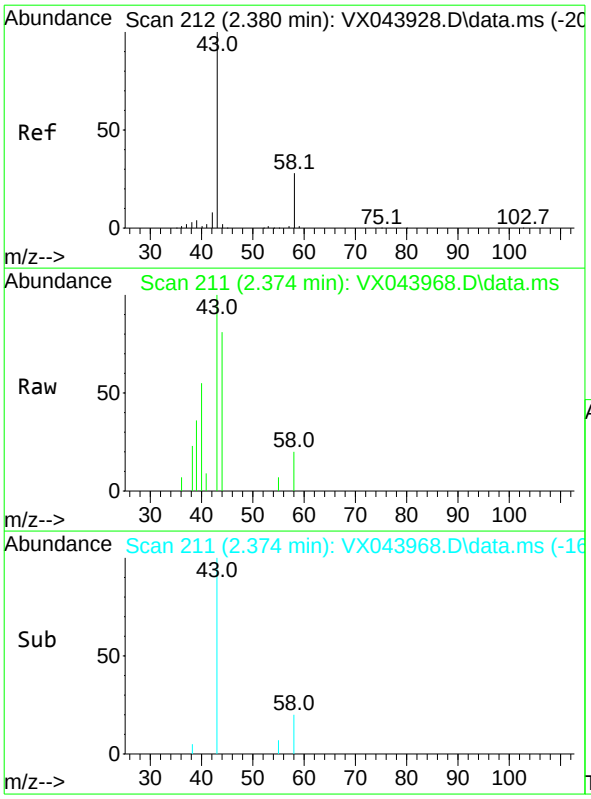


#12
1,1-Dichloroethene
Concen: 0.681 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX043968.D
Acq: 22 Nov 2024 18:25

Tgt Ion: 96 Resp: 850

Ion	Ratio	Lower	Upper
96	100		
61	151.4	135.5	203.3
98	67.0	50.8	76.2



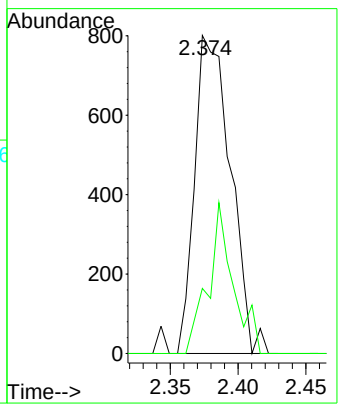


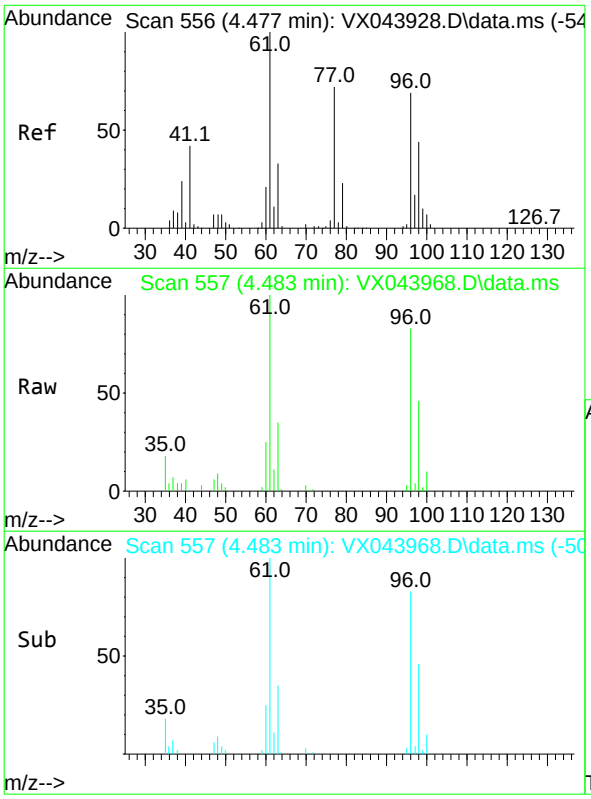
#16
Acetone
Concen: 1.725 ug/l
RT: 2.374 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX043968.D
Acq: 22 Nov 2024 18:25

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-01D-20241113

Tgt Ion: 43 Resp: 1472

Ion	Ratio	Lower	Upper
43	100		
58	20.5	22.7	34.1#

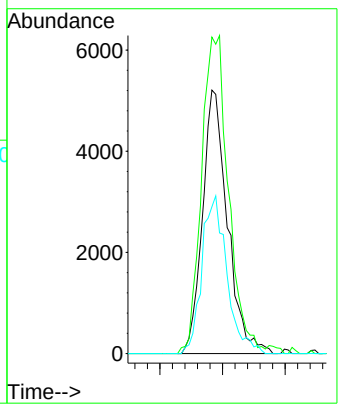


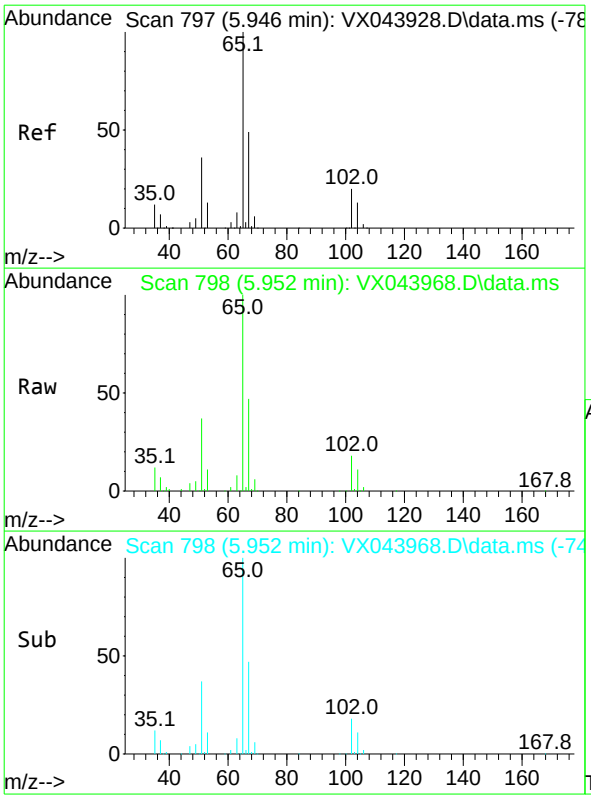


#27
cis-1,2-Dichloroethene
Concen: 9.063 ug/l
RT: 4.483 min Scan# 557
Delta R.T. 0.006 min
Lab File: VX043968.D
Acq: 22 Nov 2024 18:25

Tgt Ion: 96 Resp: 14439

Ion	Ratio	Lower	Upper
96	100		
61	130.0	0.0	297.4
98	59.8	0.0	127.8



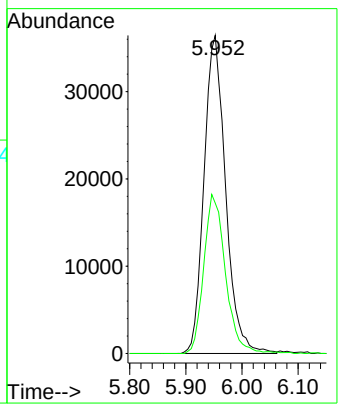


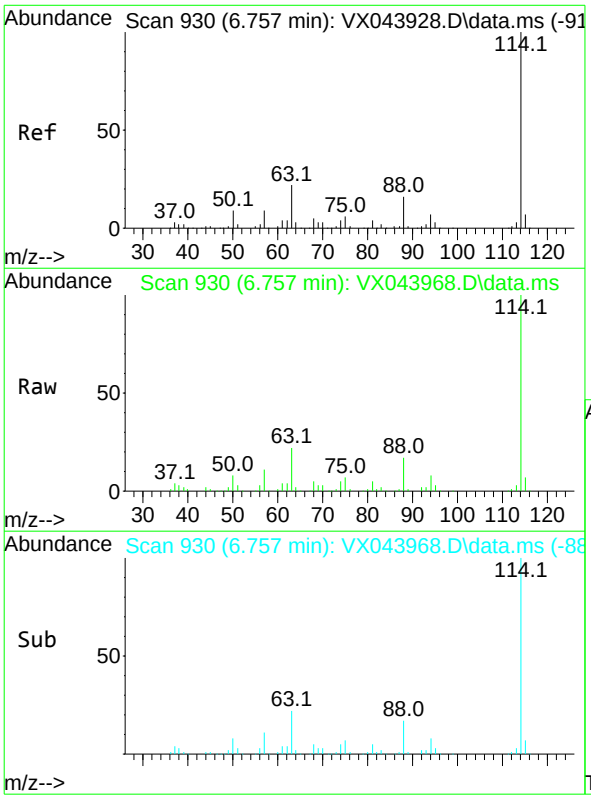
#33
1,2-Dichloroethane-d4
Concen: 52.402 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.006 min
Lab File: VX043968.D
Acq: 22 Nov 2024 18:25

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-01D-20241113

Tgt Ion: 65 Resp: 97377

Ion	Ratio	Lower	Upper
65	100		
67	50.3	0.0	100.8

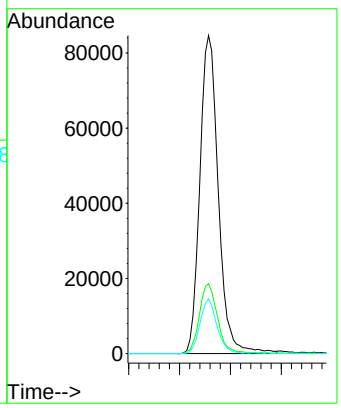


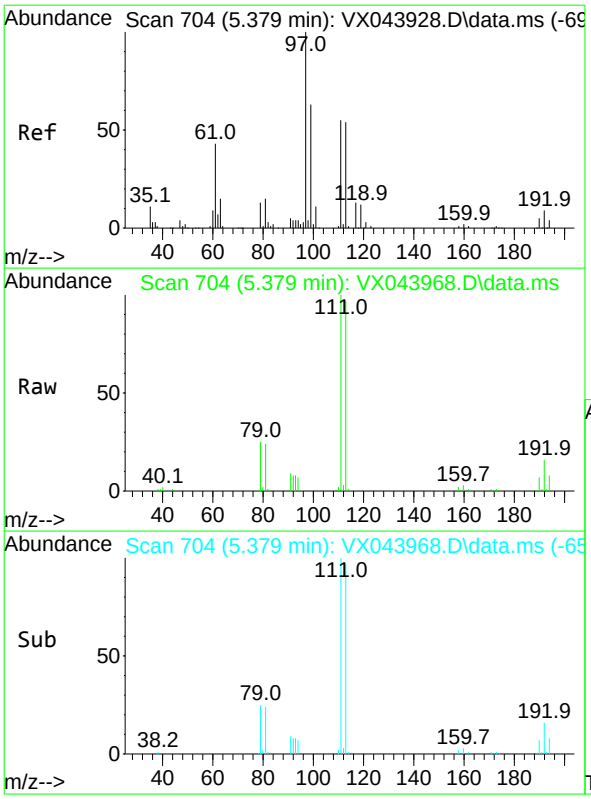


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043968.D
Acq: 22 Nov 2024 18:25

Tgt Ion:114 Resp: 213438

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	44.0
88	17.2	0.0	32.4



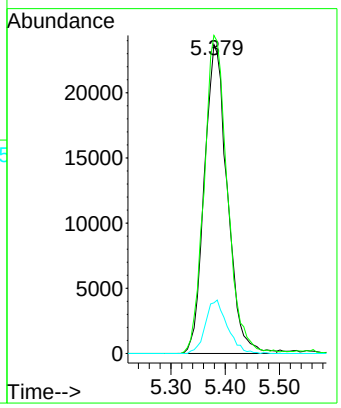


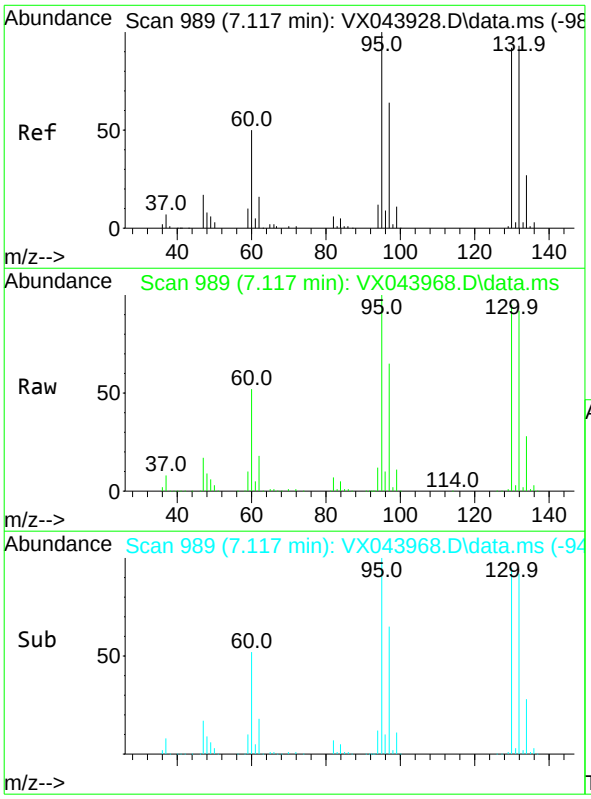
#35
Dibromofluoromethane
Concen: 45.793 ug/l
RT: 5.379 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX043968.D
Acq: 22 Nov 2024 18:25

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-01D-20241113

Tgt Ion:113 Resp: 69840

Ion	Ratio	Lower	Upper
113	100		
111	104.5	81.0	121.4
192	16.5	13.0	19.6

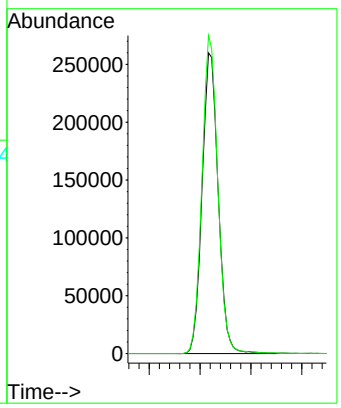


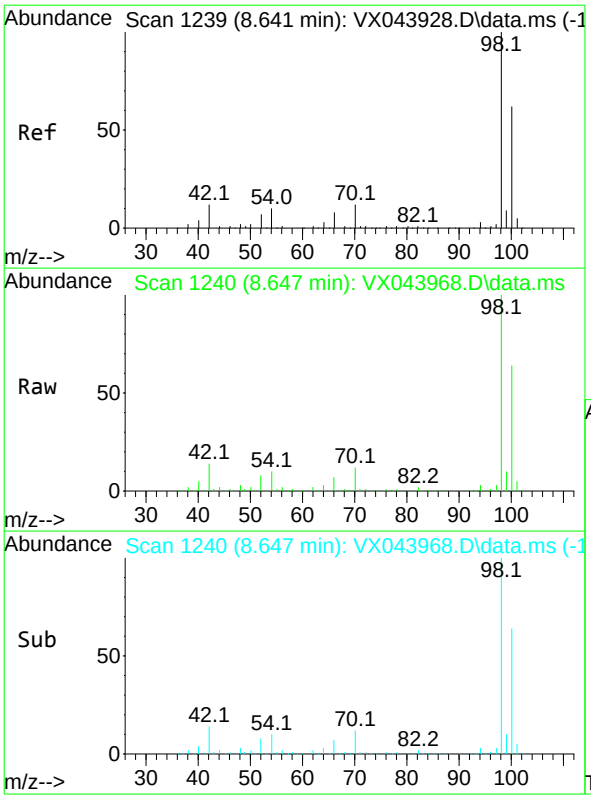


#44
Trichloroethene
Concen: 340.966 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.000 min
Lab File: VX043968.D
Acq: 22 Nov 2024 18:25

Tgt Ion:130 Resp: 571405

Ion	Ratio	Lower	Upper
130	100		
95	105.8	0.0	217.8



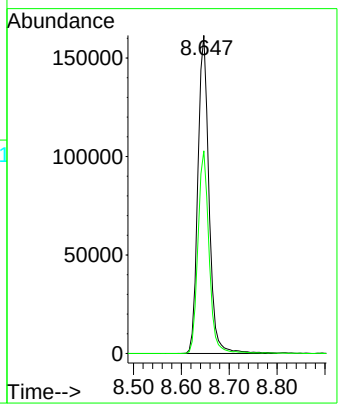


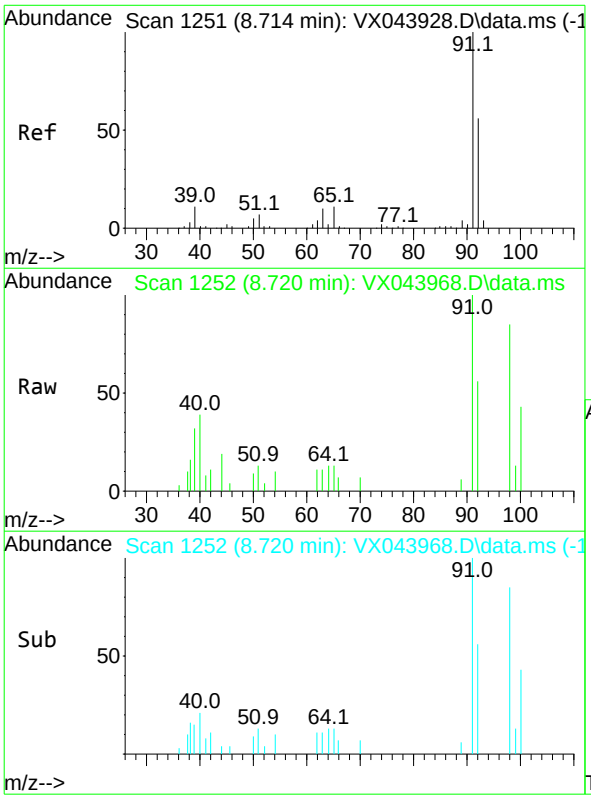
#50
Toluene-d8
Concen: 49.614 ug/l
RT: 8.647 min Scan# 12
Delta R.T. 0.006 min
Lab File: VX043968.D
Acq: 22 Nov 2024 18:25

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-01D-20241113

Tgt Ion: 98 Resp: 260832

Ion	Ratio	Lower	Upper
98	100		
100	63.6	52.6	79.0

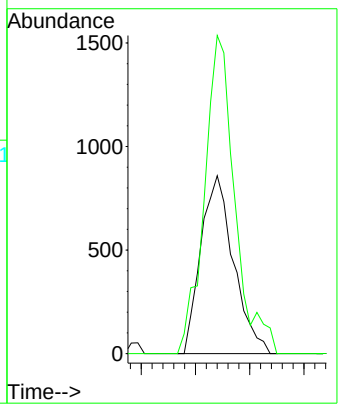


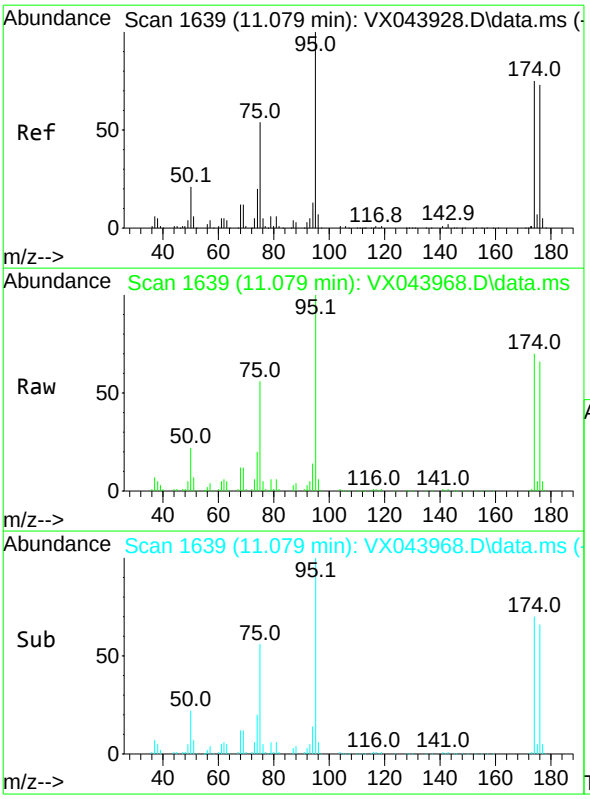


#52
Toluene
Concen: 0.508 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX043968.D
Acq: 22 Nov 2024 18:25

Tgt Ion: 92 Resp: 1801

Ion	Ratio	Lower	Upper
92	100		
91	165.9	139.7	209.5



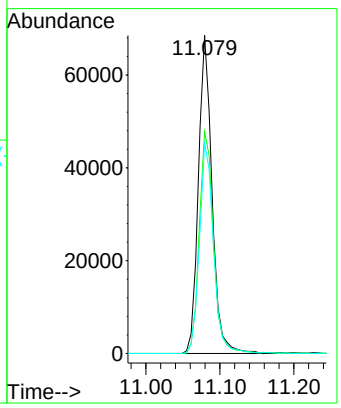


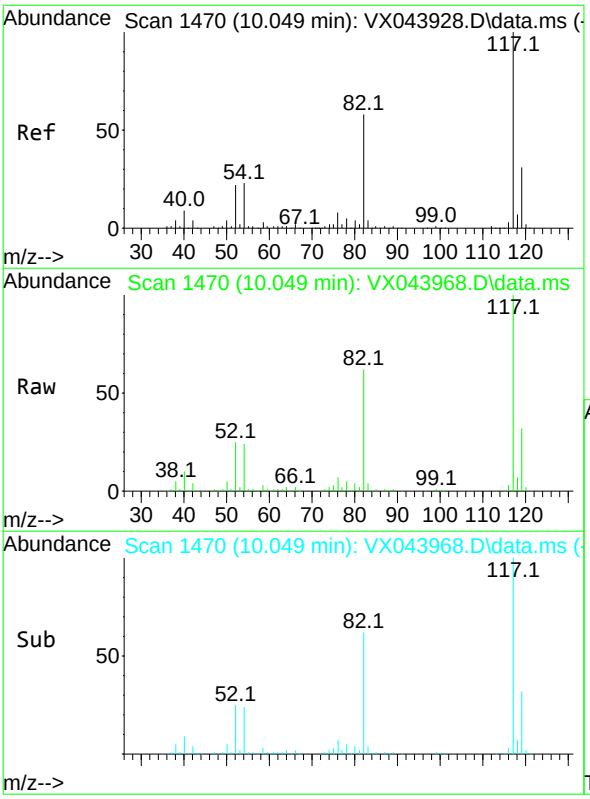
#62
4-Bromofluorobenzene
Concen: 49.166 ug/l
RT: 11.079 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043968.D
Acq: 22 Nov 2024 18:25

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-01D-20241113

Tgt Ion: 95 Resp: 87967

Ion	Ratio	Lower	Upper
95	100		
174	72.7	0.0	150.4
176	68.2	0.0	146.0

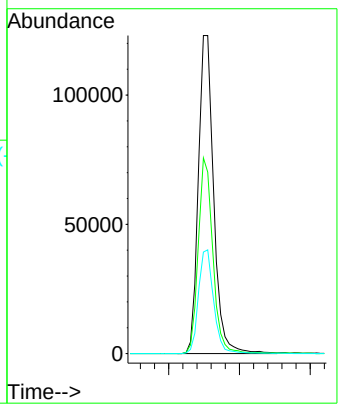


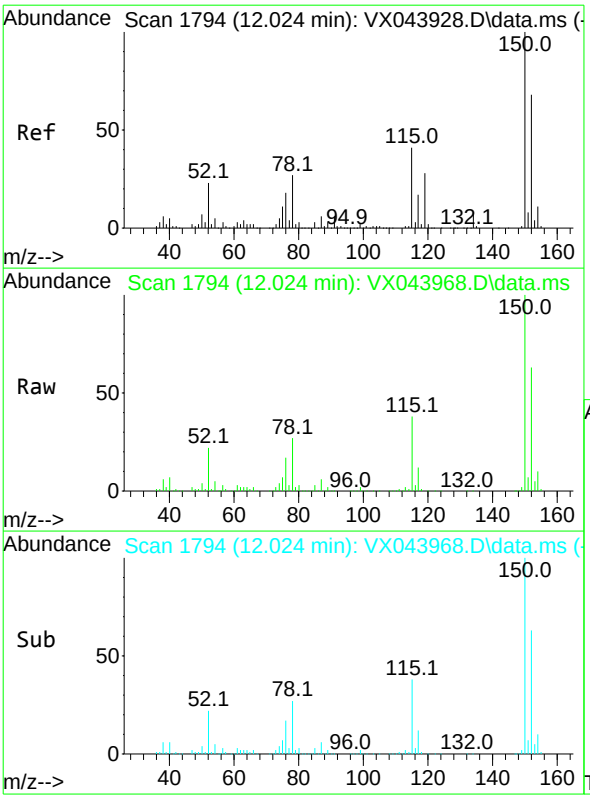


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX043968.D
Acq: 22 Nov 2024 18:25

Tgt Ion:117 Resp: 185232

Ion	Ratio	Lower	Upper
117	100		
82	61.5	46.4	69.6
119	31.9	24.6	37.0



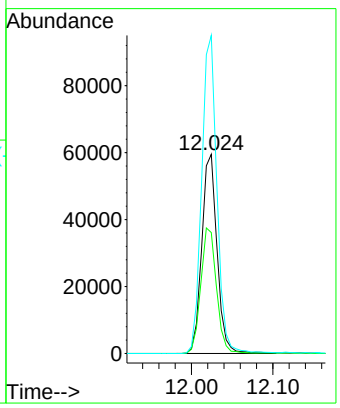


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043968.D
Acq: 22 Nov 2024 18:25

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-01D-20241113

Tgt Ion:152 Resp: 77833

Ion	Ratio	Lower	Upper
152	100		
115	64.4	45.4	136.2
150	158.6	0.0	353.0



Sample Results: **VX043968.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043968.D
Acq On : 22 Nov 2024 18:25
Operator : JC/MD
Sample : P4846-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-01D-20241113

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\82X112124W.M
Title : SW846 8260

Signal : TIC: VX043968.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.605	68	85	87	rBV7	15549	62990	1.81%	0.864%
2	4.483	549	557	569	rBV3	23373	64698	1.86%	0.887%
3	5.379	694	704	721	rBV	80258	239291	6.86%	3.282%
4	5.544	721	731	751	rVB2	123882	360177	10.33%	4.940%
5	5.952	789	798	812	rBV	101655	272223	7.81%	3.733%
6	6.757	920	930	951	rBV	211794	521194	14.95%	7.148%
7	7.117	980	989	1018	rBV	1582959	3487128	100.00%	47.824%
8	8.647	1233	1240	1250	rBV	437614	704897	20.21%	9.667%
9	10.049	1465	1470	1488	rBV	411808	612206	17.56%	8.396%
10	11.079	1634	1639	1651	rBV	341258	442889	12.70%	6.074%
11	12.018	1788	1793	1802	rBV	394881	523827	15.02%	7.184%

Sum of corrected areas: 7291520

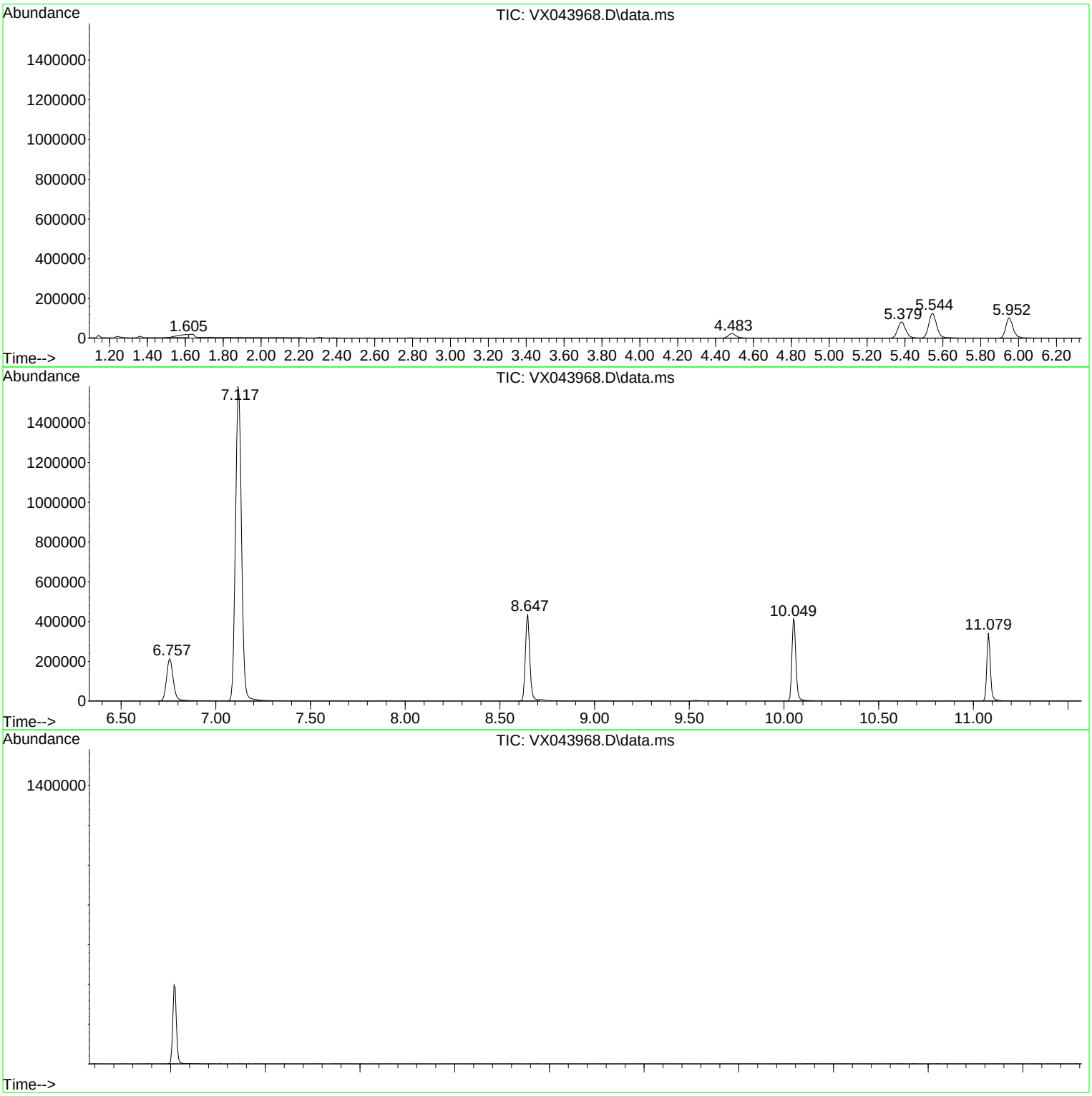
Sample Results: **VX043968.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043968.D
Acq On : 22 Nov 2024 18:25
Operator : JC/MD
Sample : P4846-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-01D-20241113

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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



Sample Results: **VX043968.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043968.D
Acq On : 22 Nov 2024 18:25
Operator : JC/MD
Sample : P4846-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-01D-20241113

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.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\VX112224\
Data File : VX043968.D
Acq On : 22 Nov 2024 18:25
Operator : JC/MD
Sample : P4846-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-01D-20241113

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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

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

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-EVAL-01D-20241113DL	SDG No.:	P4846
Lab Sample ID:	P4846-16DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043983.D	10		11/25/24 13:53	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	5.00	UD	2.10	5.00	10.0	ug/L
74-87-3	Chloromethane	5.00	UD	3.50	5.00	10.0	ug/L
75-01-4	Vinyl Chloride	7.50	UD	3.40	7.50	10.0	ug/L
74-83-9	Bromomethane	37.5	UD	13.6	37.5	50.0	ug/L
75-00-3	Chloroethane	7.50	UD	5.60	7.50	10.0	ug/L
75-69-4	Trichlorofluoromethane	5.00	UD	3.40	5.00	10.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	UD	2.50	5.00	10.0	ug/L
75-35-4	1,1-Dichloroethene	7.50	UD	2.60	7.50	10.0	ug/L
67-64-1	Acetone	37.5	UD	13.9	37.5	50.0	ug/L
75-15-0	Carbon Disulfide	7.50	UD	3.20	7.50	10.0	ug/L
1634-04-4	Methyl tert-butyl Ether	5.00	UD	1.60	5.00	10.0	ug/L
79-20-9	Methyl Acetate	7.50	UD	6.00	7.50	10.0	ug/L
75-09-2	Methylene Chloride	5.00	UD	3.20	5.00	10.0	ug/L
156-60-5	trans-1,2-Dichloroethene	5.00	UD	2.50	5.00	10.0	ug/L
75-34-3	1,1-Dichloroethane	5.00	UD	2.30	5.00	10.0	ug/L
110-82-7	Cyclohexane	25.0	UD	16.2	25.0	50.0	ug/L
78-93-3	2-Butanone	25.0	UD	13.0	25.0	50.0	ug/L
56-23-5	Carbon Tetrachloride	5.00	UD	2.50	5.00	10.0	ug/L
156-59-2	cis-1,2-Dichloroethene	8.40	JD	2.50	7.50	10.0	ug/L
74-97-5	Bromochloromethane	5.00	UD	1.80	5.00	10.0	ug/L
67-66-3	Chloroform	5.00	UD	2.60	5.00	10.0	ug/L
71-55-6	1,1,1-Trichloroethane	5.00	UD	1.90	5.00	10.0	ug/L
108-87-2	Methylcyclohexane	5.00	UD	1.90	5.00	10.0	ug/L
71-43-2	Benzene	5.00	UD	1.60	5.00	10.0	ug/L
107-06-2	1,2-Dichloroethane	5.00	UD	2.40	5.00	10.0	ug/L
79-01-6	Trichloroethene	310	D	3.20	7.50	10.0	ug/L
78-87-5	1,2-Dichloropropane	5.00	UD	1.90	5.00	10.0	ug/L
75-27-4	Bromodichloromethane	5.00	UD	2.40	5.00	10.0	ug/L
108-10-1	4-Methyl-2-Pentanone	25.0	UD	7.50	25.0	50.0	ug/L
108-88-3	Toluene	5.00	UD	1.80	5.00	10.0	ug/L

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-EVAL-01D-20241113DL	SDG No.:	P4846
Lab Sample ID:	P4846-16DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043983.D	10		11/25/24 13:53	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	5.00	UD	2.10	5.00	10.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	5.00	UD	1.80	5.00	10.0	ug/L
79-00-5	1,1,2-Trichloroethane	5.00	UD	2.10	5.00	10.0	ug/L
591-78-6	2-Hexanone	25.0	UD	11.3	25.0	50.0	ug/L
124-48-1	Dibromochloromethane	5.00	UD	1.80	5.00	10.0	ug/L
106-93-4	1,2-Dibromoethane	5.00	UD	1.60	5.00	10.0	ug/L
127-18-4	Tetrachloroethene	5.00	UD	2.50	5.00	10.0	ug/L
108-90-7	Chlorobenzene	5.00	UD	1.30	5.00	10.0	ug/L
100-41-4	Ethyl Benzene	5.00	UD	1.60	5.00	10.0	ug/L
179601-23-1	m/p-Xylenes	10.0	UD	3.10	10.0	20.0	ug/L
95-47-6	o-Xylene	5.00	UD	1.40	5.00	10.0	ug/L
100-42-5	Styrene	5.00	UD	1.60	5.00	10.0	ug/L
75-25-2	Bromoform	5.00	UD	2.10	5.00	10.0	ug/L
98-82-8	Isopropylbenzene	5.00	UD	1.30	5.00	10.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	5.00	UD	2.70	5.00	10.0	ug/L
541-73-1	1,3-Dichlorobenzene	5.00	UD	2.40	5.00	10.0	ug/L
106-46-7	1,4-Dichlorobenzene	5.00	UD	2.70	5.00	10.0	ug/L
95-50-1	1,2-Dichlorobenzene	5.00	UD	1.90	5.00	10.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	7.50	UD	4.60	7.50	10.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	5.00	UD	4.20	5.00	10.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	7.50	UD	5.10	7.50	10.0	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.8		81 - 118		106%	SPK: 50
1868-53-7	Dibromofluoromethane	46.8		80 - 119		94%	SPK: 50
2037-26-5	Toluene-d8	48.6		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.7		85 - 114		97%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	114000	5.544				
540-36-3	1,4-Difluorobenzene	226000	6.757				
3114-55-4	Chlorobenzene-d5	195000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	83000	12.018				

Raw Data: **VX043983.D**

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-EVAL-01D-20241113DL	SDG No.:	P4846
Lab Sample ID:	P4846-16DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043983.D	10		11/25/24 13:53	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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

Sample Results: **VX043983.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043983.D
Acq On : 25 Nov 2024 13:53
Operator : JC/MD
Sample : P4846-16DL 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-01D-20241113DL

Quant Time: Nov 26 03:54:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	113736	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	225557	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	194624	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	82992	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	103045	52.823	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.640%			
35) Dibromofluoromethane	5.385	113	75384	46.772	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.540%			
50) Toluene-d8	8.647	98	270166	48.628	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.260%			
62) 4-Bromofluorobenzene	11.079	95	92171	48.748	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.500%			
Target Compounds						Qvalue
27) cis-1,2-Dichloroethene	4.495	96	1398	0.836	ug/l	83
44) Trichloroethene	7.123	130	54163	30.583	ug/l	99

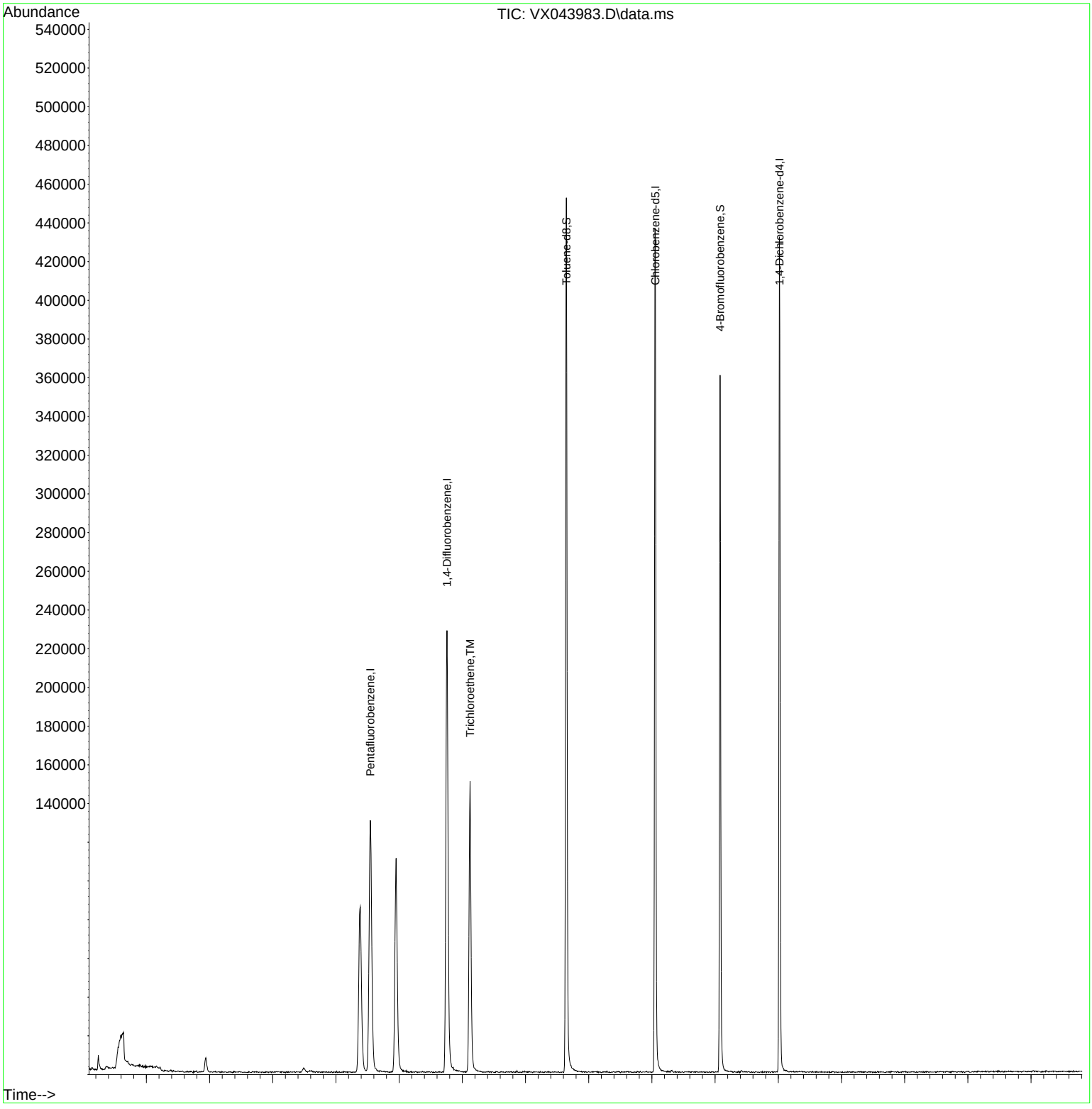
(#) = qualifier out of range (m) = manual integration (+) = signals summed

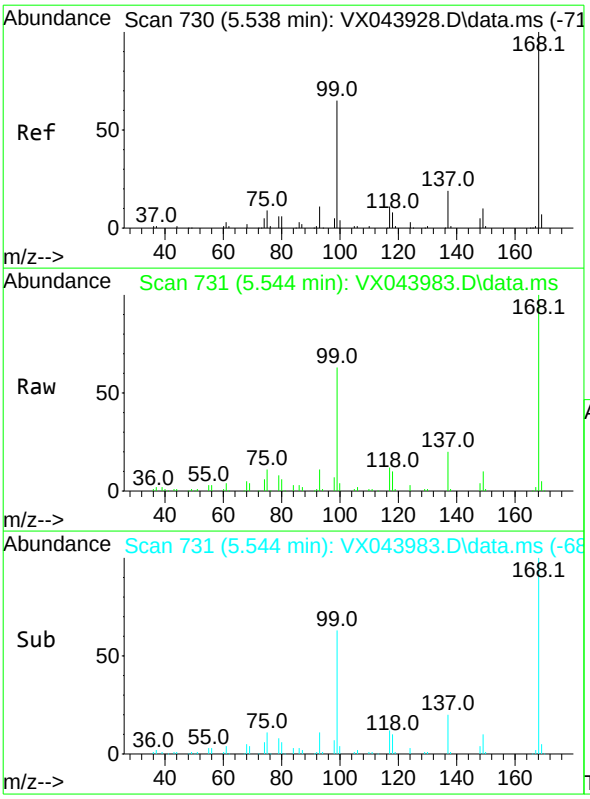
Sample Results: **VX043983.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043983.D
Acq On : 25 Nov 2024 13:53
Operator : JC/MD
Sample : P4846-16DL 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-01D-20241113DL

Quant Time: Nov 26 03:54:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



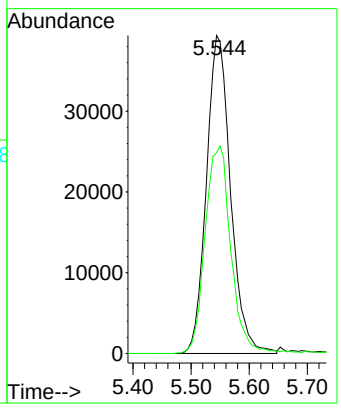


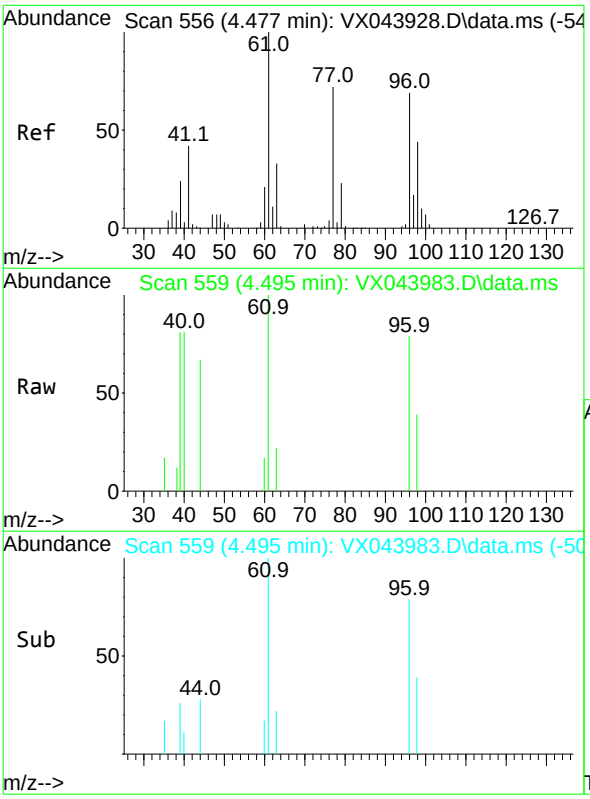
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. 0.006 min
Lab File: VX043983.D
Acq: 25 Nov 2024 13:53

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-01D-20241113DL

Tgt Ion:168 Resp: 113736

Ion	Ratio	Lower	Upper
168	100		
99	63.0	51.8	77.8

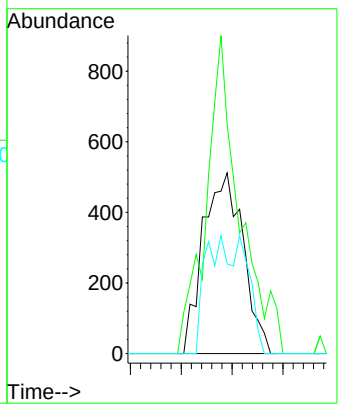


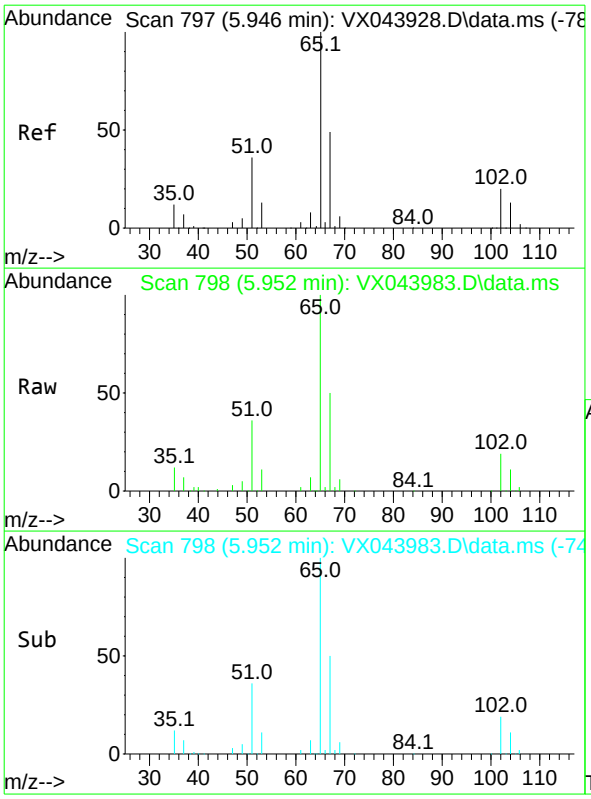


#27
cis-1,2-Dichloroethene
Concen: 0.836 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.018 min
Lab File: VX043983.D
Acq: 25 Nov 2024 13:53

Tgt Ion: 96 Resp: 1398

Ion	Ratio	Lower	Upper
96	100		
61	147.9	0.0	297.4
98	21.5	0.0	127.8



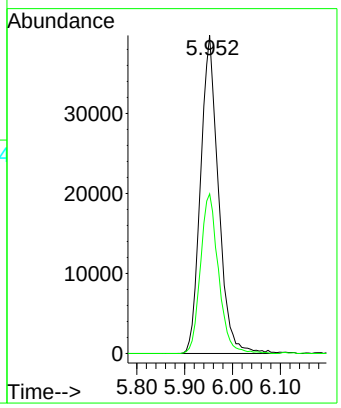


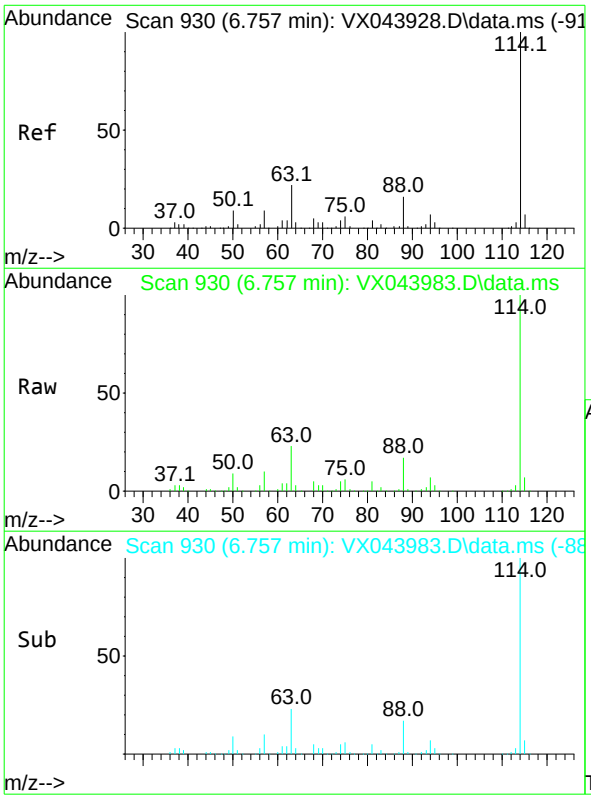
#33
1,2-Dichloroethane-d4
Concen: 52.823 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.006 min
Lab File: VX043983.D
Acq: 25 Nov 2024 13:53

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-01D-20241113DL

Tgt Ion: 65 Resp: 103045

Ion	Ratio	Lower	Upper
65	100		
67	50.6	0.0	100.8

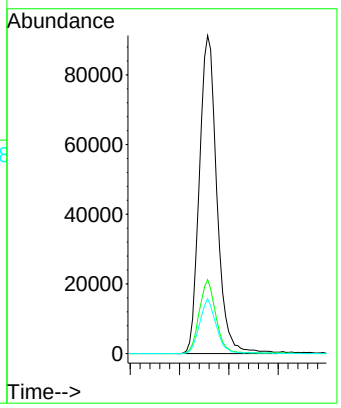


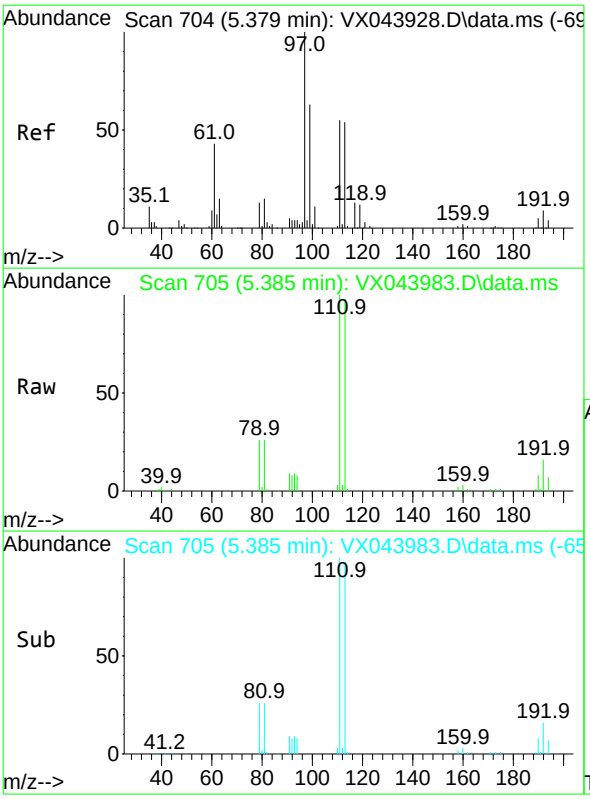


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043983.D
Acq: 25 Nov 2024 13:53

Tgt Ion:114 Resp: 225557

Ion	Ratio	Lower	Upper
114	100		
63	23.3	0.0	44.0
88	17.2	0.0	32.4



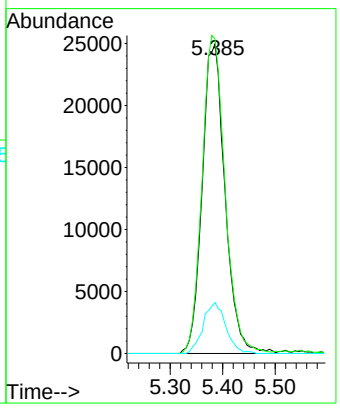


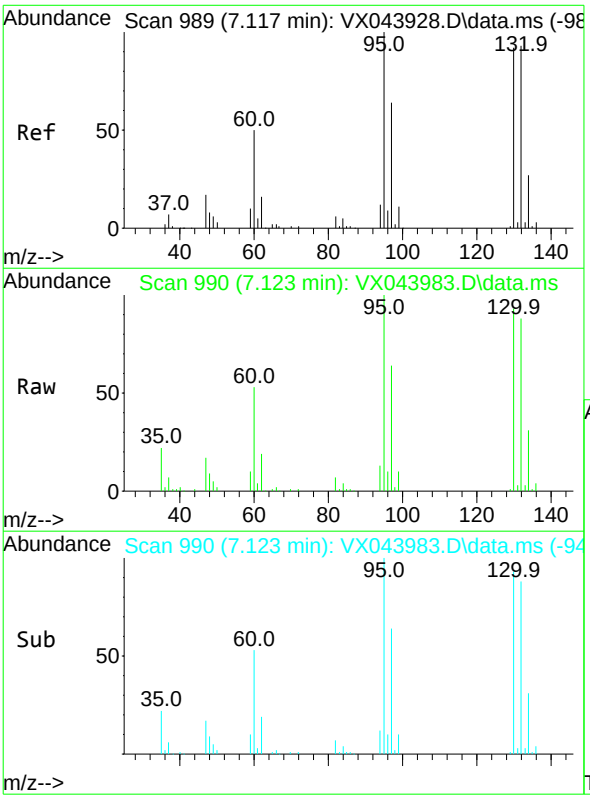
#35
Dibromofluoromethane
Concen: 46.772 ug/l
RT: 5.385 min Scan# 70
Delta R.T. 0.006 min
Lab File: VX043983.D
Acq: 25 Nov 2024 13:53

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-01D-20241113DL

Tgt Ion:113 Resp: 75384

Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.0	121.4
192	16.3	13.0	19.6

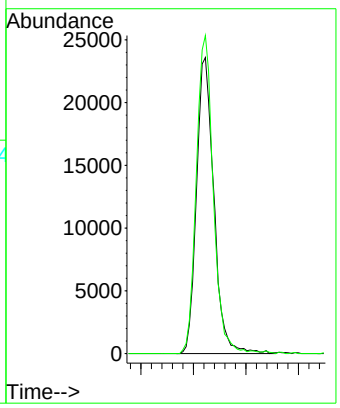


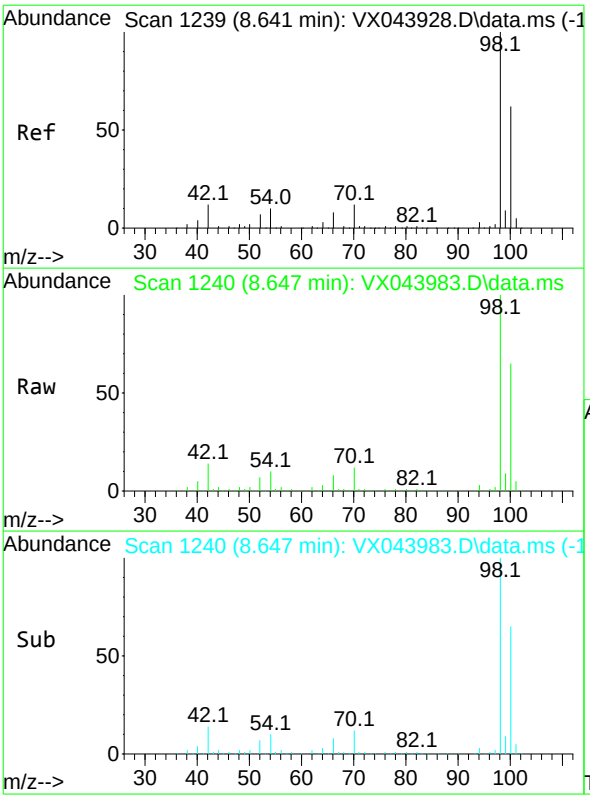


#44
Trichloroethene
Concen: 30.583 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX043983.D
Acq: 25 Nov 2024 13:53

Tgt Ion:130 Resp: 54163

Ion	Ratio	Lower	Upper
130	100		
95	107.4	0.0	217.8



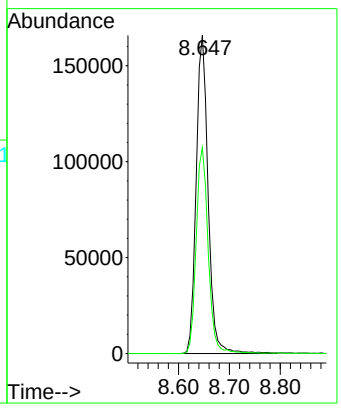


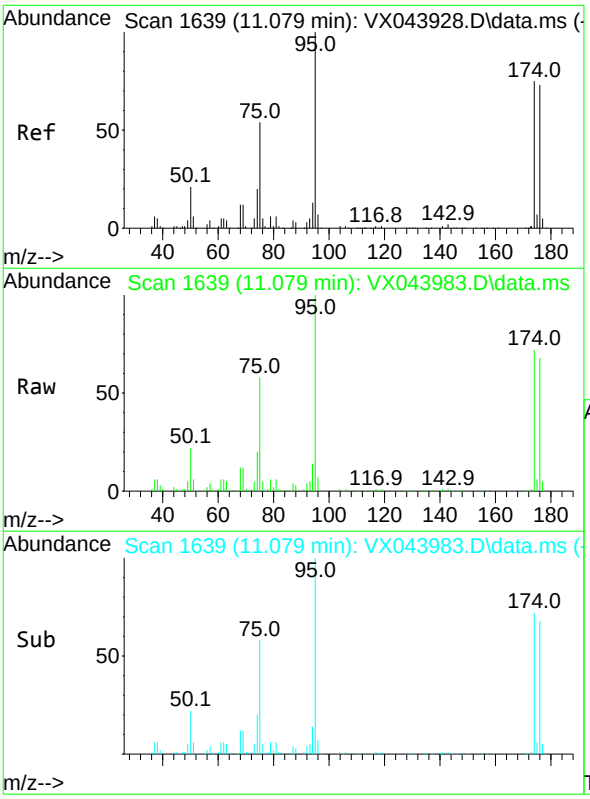
#50
Toluene-d8
Concen: 48.628 ug/l
RT: 8.647 min Scan# 12
Delta R.T. 0.006 min
Lab File: VX043983.D
Acq: 25 Nov 2024 13:53

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-01D-20241113DL

Tgt Ion: 98 Resp: 270166

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.6	79.0

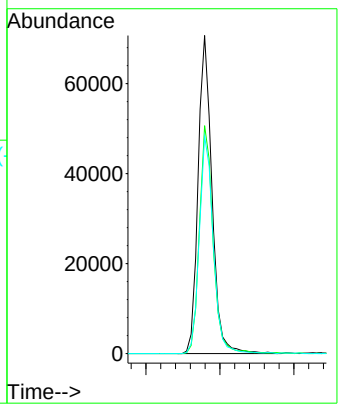


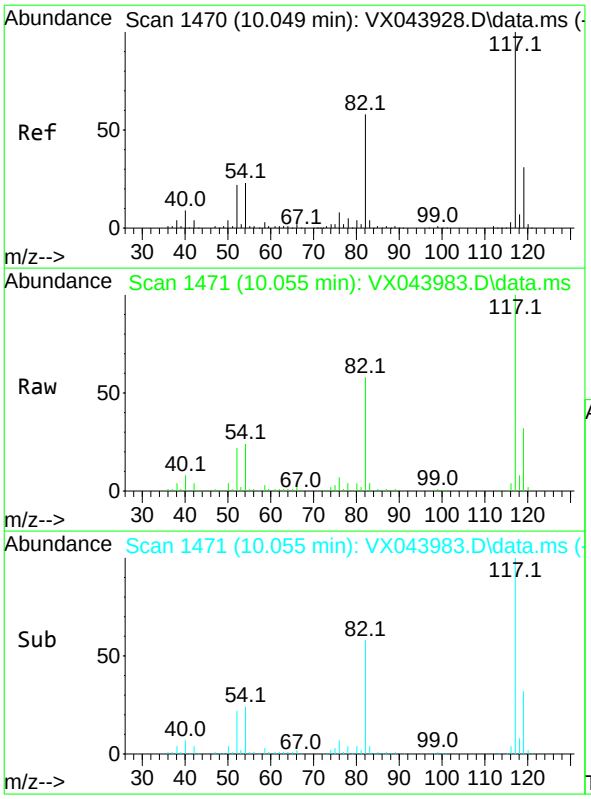


#62
4-Bromofluorobenzene
Concen: 48.748 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043983.D
Acq: 25 Nov 2024 13:53

Tgt Ion: 95 Resp: 92171

Ion	Ratio	Lower	Upper
95	100		
174	70.6	0.0	150.4
176	68.6	0.0	146.0



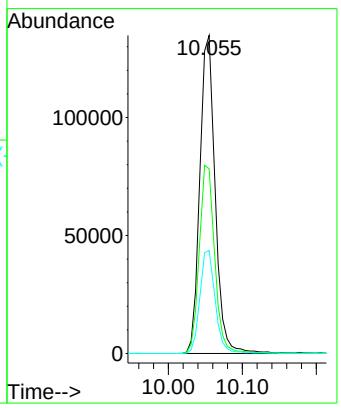


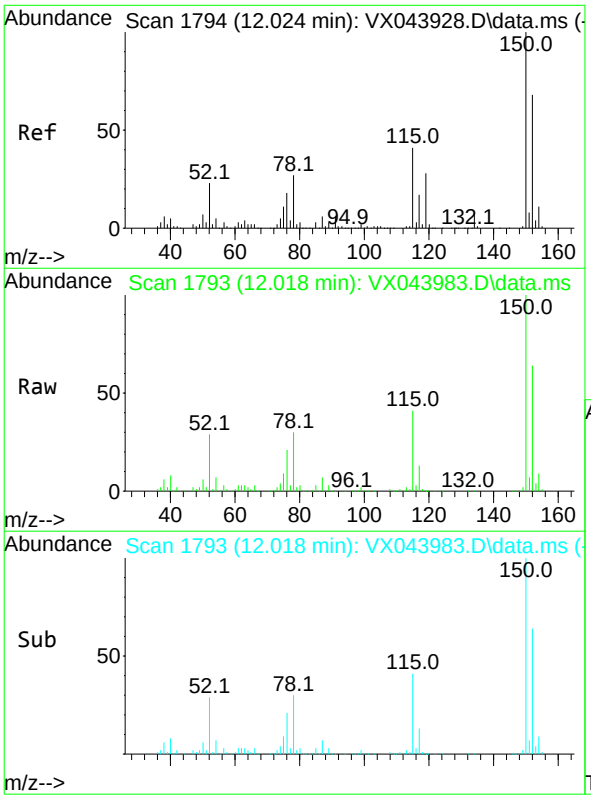
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043983.D
Acq: 25 Nov 2024 13:53

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-01D-20241113DL

Tgt Ion:117 Resp: 194624

Ion	Ratio	Lower	Upper
117	100		
82	58.1	46.4	69.6
119	32.4	24.6	37.0

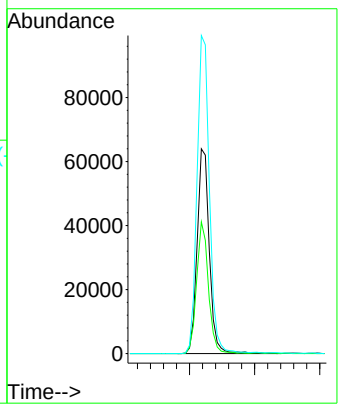




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043983.D
Acq: 25 Nov 2024 13:53

Tgt Ion:152 Resp: 82992

Ion	Ratio	Lower	Upper
152	100		
115	62.4	45.4	136.2
150	158.2	0.0	353.0



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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-EVAL-01S-20241113	SDG No.:	P4846
Lab Sample ID:	P4846-17	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043969.D	1		11/22/24 18:47	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	1.50	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	89.8		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

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Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-EVAL-01S-20241113	SDG No.:	P4846
Lab Sample ID:	P4846-17	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043969.D	1		11/22/24 18:47	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.3		81 - 118		105%	SPK: 50
1868-53-7	Dibromofluoromethane	46.1		80 - 119		92%	SPK: 50
2037-26-5	Toluene-d8	50.1		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.6		85 - 114		97%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	107000	5.543				
540-36-3	1,4-Difluorobenzene	209000	6.757				
3114-55-4	Chlorobenzene-d5	186000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	78300	12.018				

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-EVAL-01S-20241113	SDG No.:	P4846
Lab Sample ID:	P4846-17	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043969.D	1		11/22/24 18:47	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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\VX112224\
Data File : VX043969.D
Acq On : 22 Nov 2024 18:47
Operator : JC/MD
Sample : P4846-17
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-01S-20241113

Quant Time: Nov 22 22:28:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

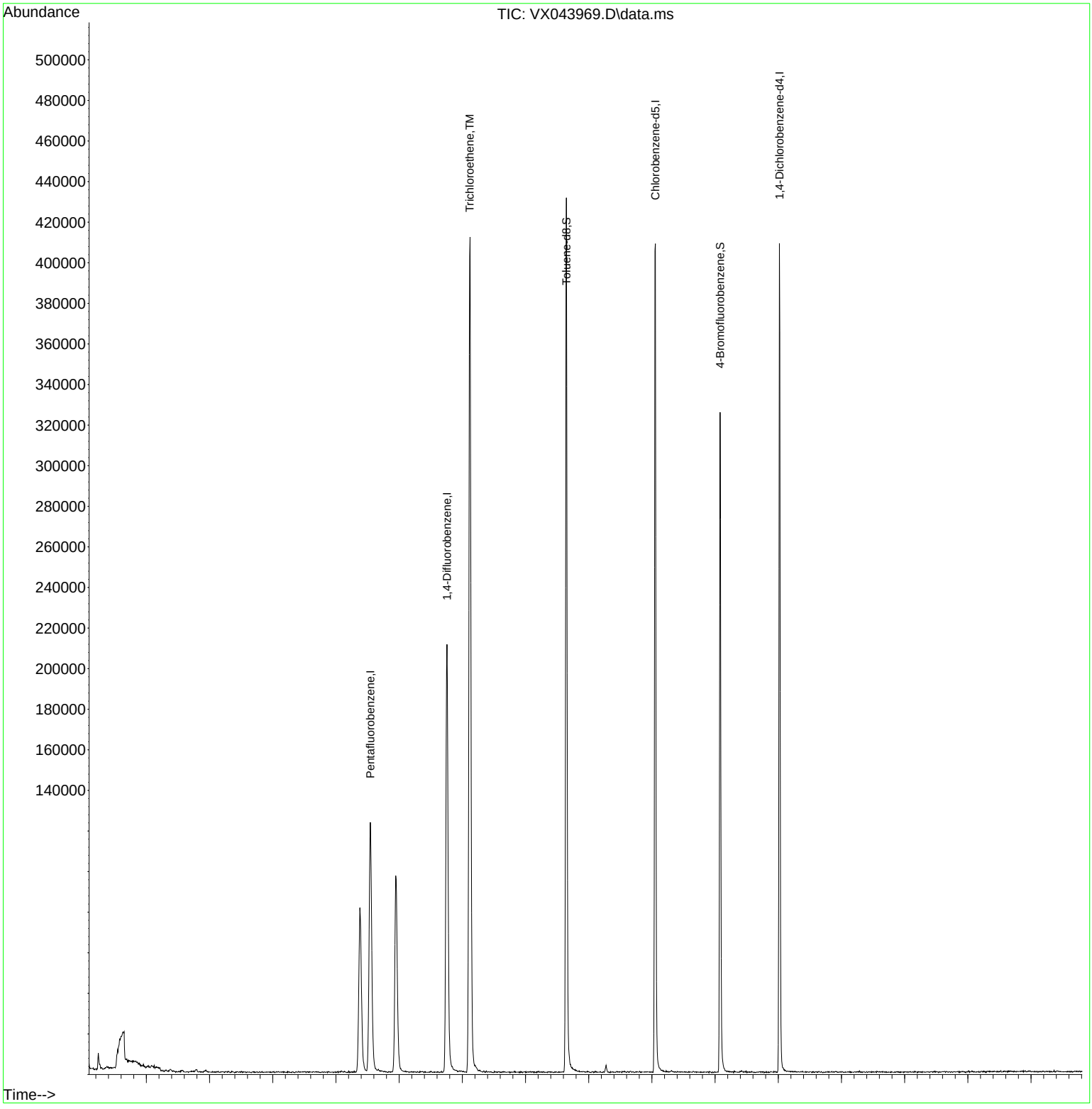
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	106735	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	209074	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	185900	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	78265	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	95772	52.315	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.620%			
35) Dibromofluoromethane	5.379	113	68870	46.100	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 92.200%			
50) Toluene-d8	8.647	98	257950	50.090	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.180%			
62) 4-Bromofluorobenzene	11.079	95	85223	48.626	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.260%			
Target Compounds						Qvalue
16) Acetone	2.379	43	1230	1.463	ug/l #	88
44) Trichloroethene	7.116	130	147401	89.792	ug/l	96

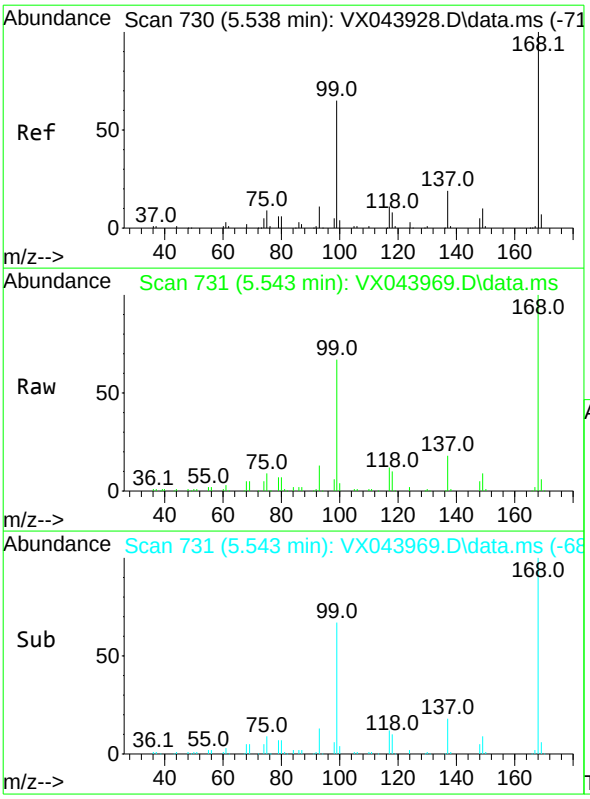
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043969.D
Acq On : 22 Nov 2024 18:47
Operator : JC/MD
Sample : P4846-17
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-01S-20241113

Quant Time: Nov 22 22:28:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



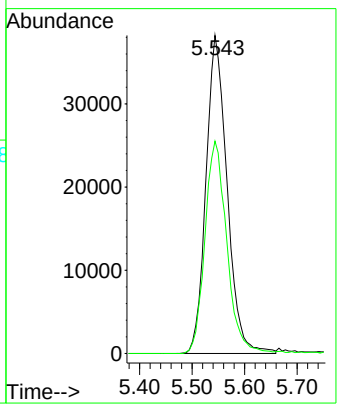


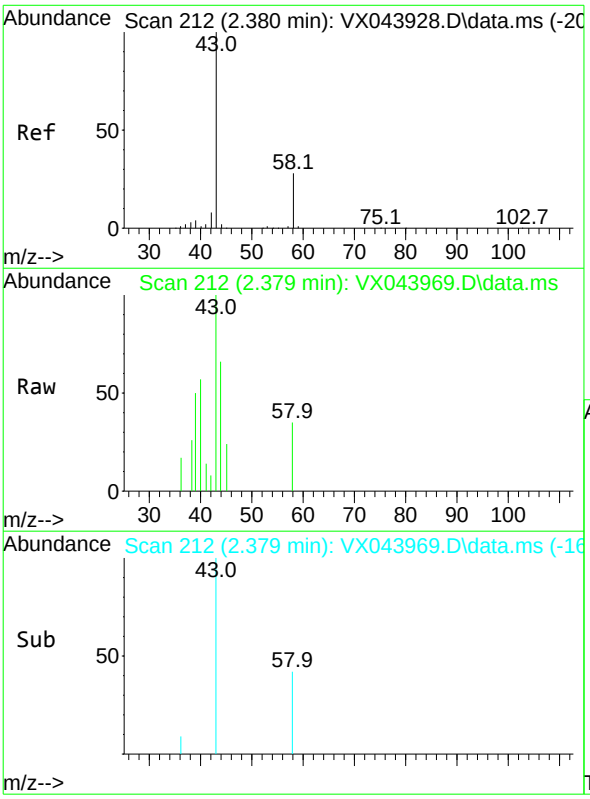
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 73
Delta R.T. 0.005 min
Lab File: VX043969.D
Acq: 22 Nov 2024 18:47

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-01S-20241113

Tgt Ion:168 Resp: 106735

Ion	Ratio	Lower	Upper
168	100		
99	66.8	51.8	77.8

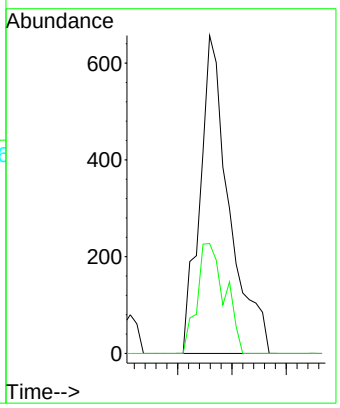


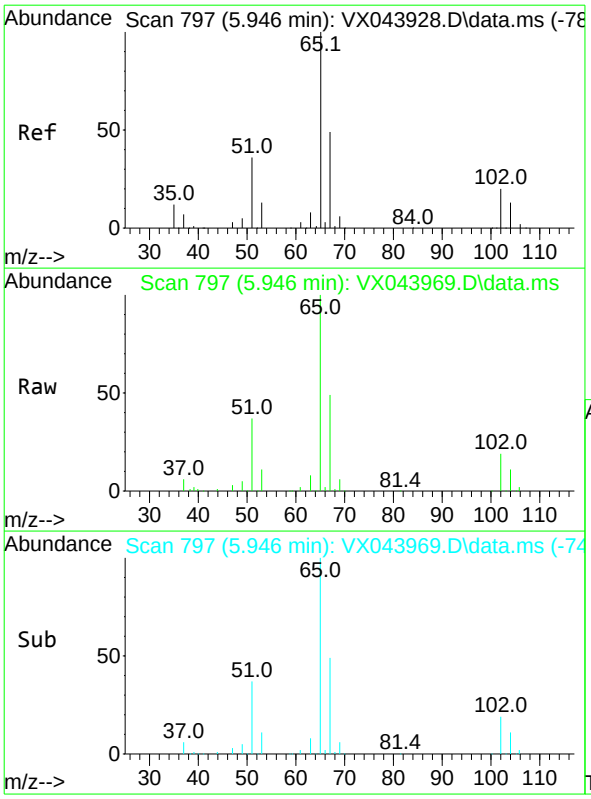


#16
Acetone
Concen: 1.463 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX043969.D
Acq: 22 Nov 2024 18:47

Tgt Ion: 43 Resp: 1230

Ion	Ratio	Lower	Upper
43	100		
58	34.6	22.7	34.1#



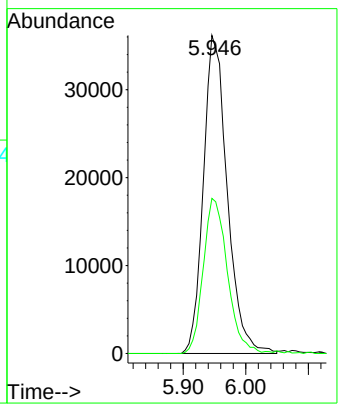


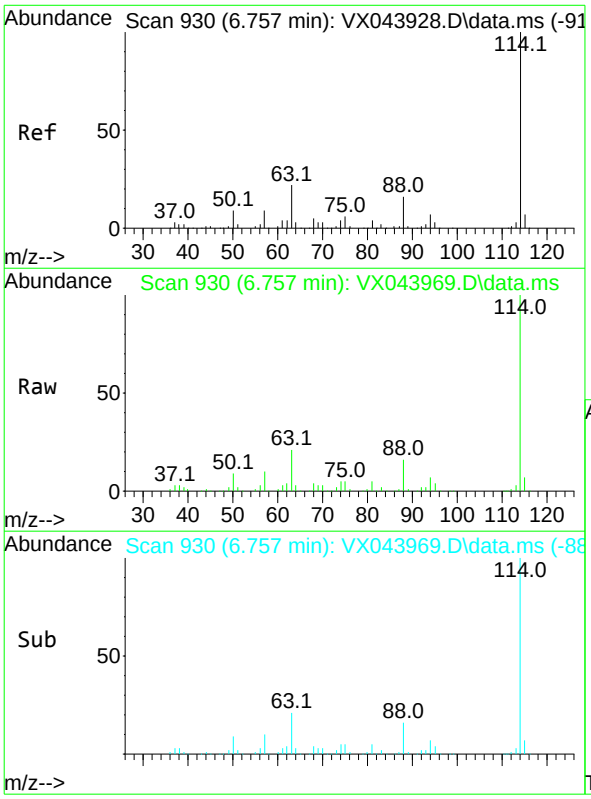
#33
1,2-Dichloroethane-d4
Concen: 52.315 ug/l
RT: 5.946 min Scan# 79
Delta R.T. -0.000 min
Lab File: VX043969.D
Acq: 22 Nov 2024 18:47

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-01S-20241113

Tgt Ion: 65 Resp: 95772

Ion	Ratio	Lower	Upper
65	100		
67	49.4	0.0	100.8

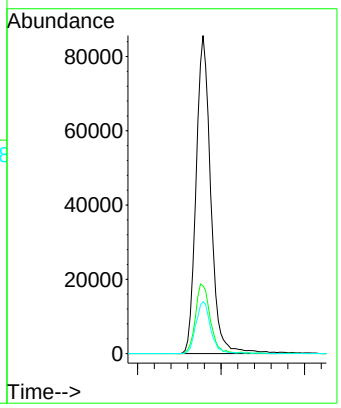


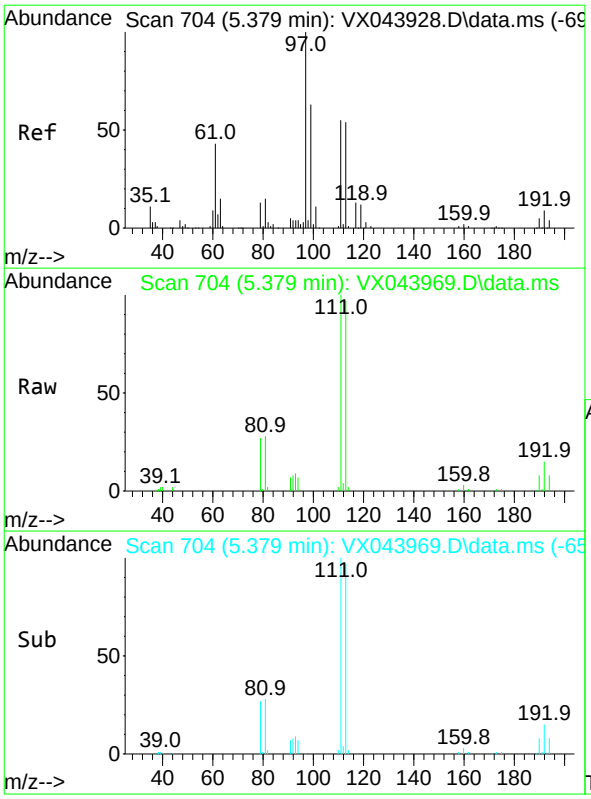


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043969.D
Acq: 22 Nov 2024 18:47

Tgt Ion:114 Resp: 209074

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	44.0
88	16.3	0.0	32.4



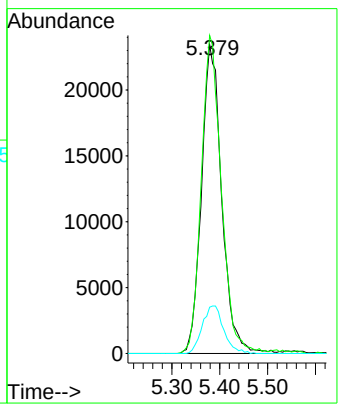


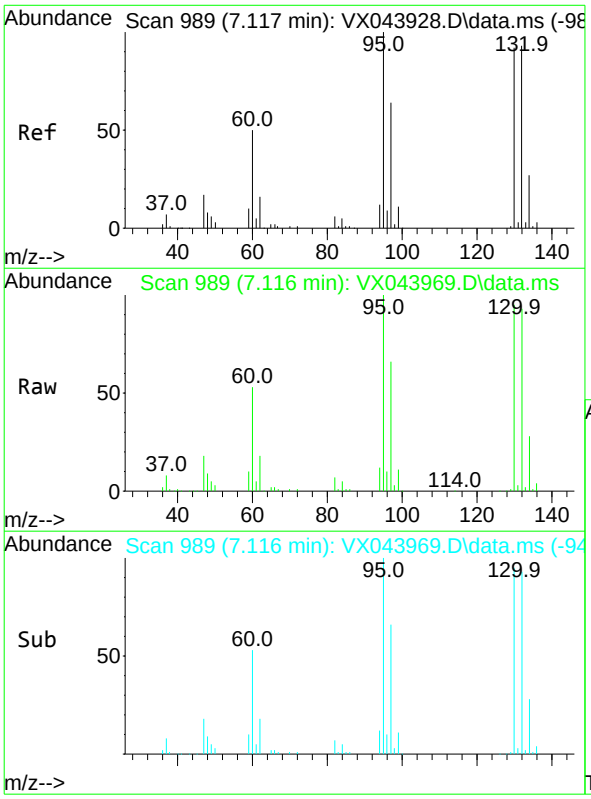
#35
Dibromofluoromethane
Concen: 46.100 ug/l
RT: 5.379 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX043969.D
Acq: 22 Nov 2024 18:47

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-01S-20241113

Tgt Ion:113 Resp: 68870

Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.0	121.4
192	16.3	13.0	19.6

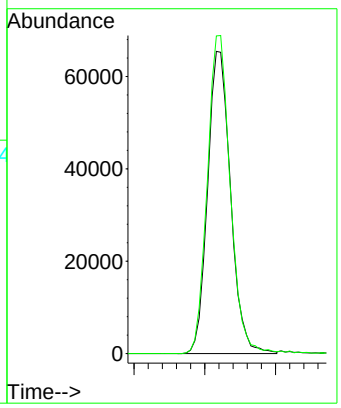


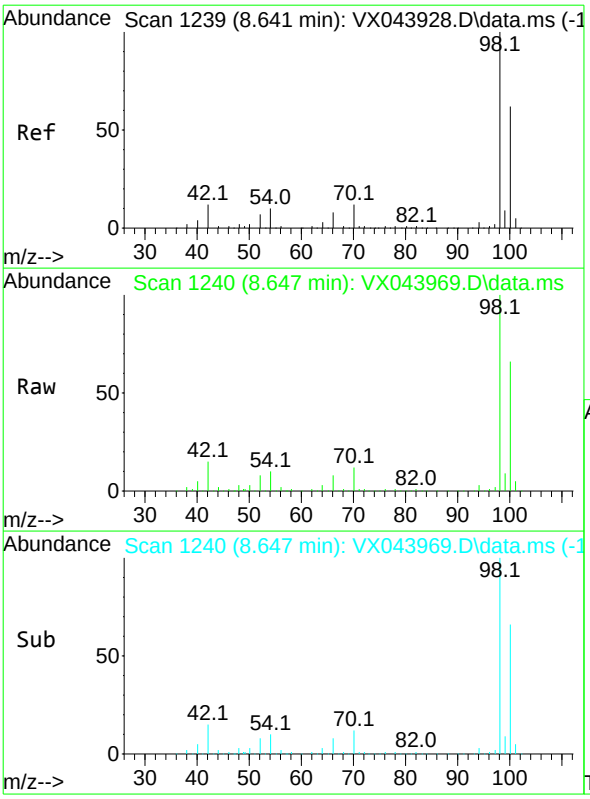


#44
Trichloroethene
Concen: 89.792 ug/l
RT: 7.116 min Scan# 989
Delta R.T. -0.000 min
Lab File: VX043969.D
Acq: 22 Nov 2024 18:47

Tgt Ion:130 Resp: 147401

Ion	Ratio	Lower	Upper
130	100		
95	105.1	0.0	217.8



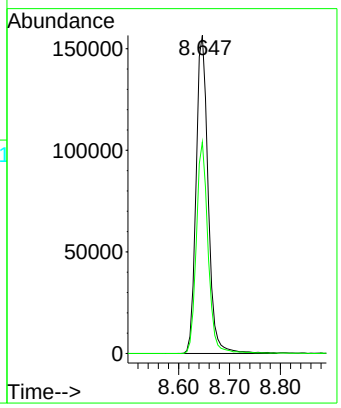


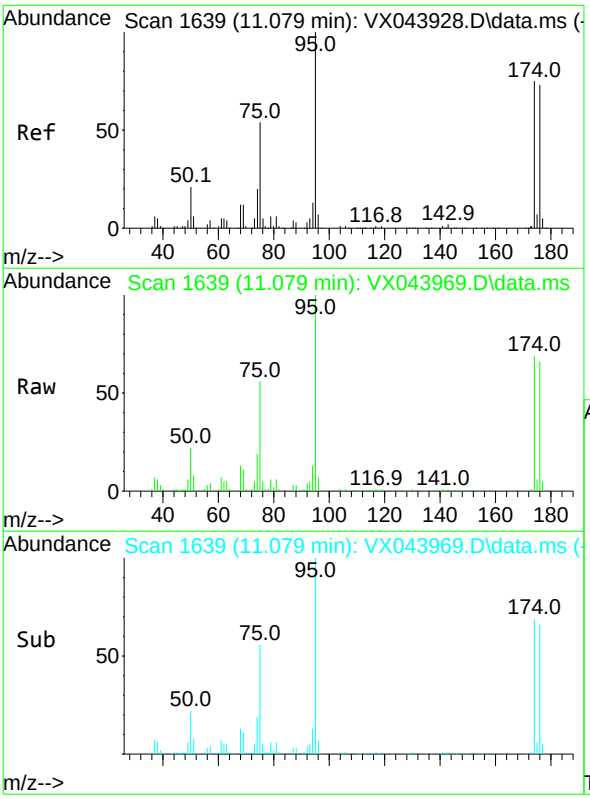
#50
Toluene-d8
Concen: 50.090 ug/l
RT: 8.647 min Scan# 12
Delta R.T. 0.006 min
Lab File: VX043969.D
Acq: 22 Nov 2024 18:47

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-01S-20241113

Tgt Ion: 98 Resp: 257950

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.6	79.0

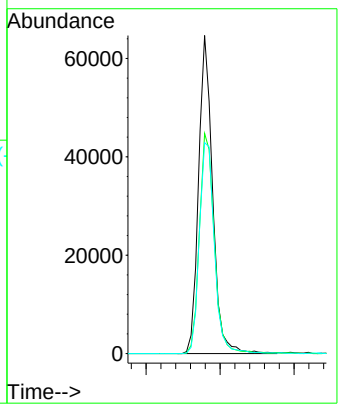


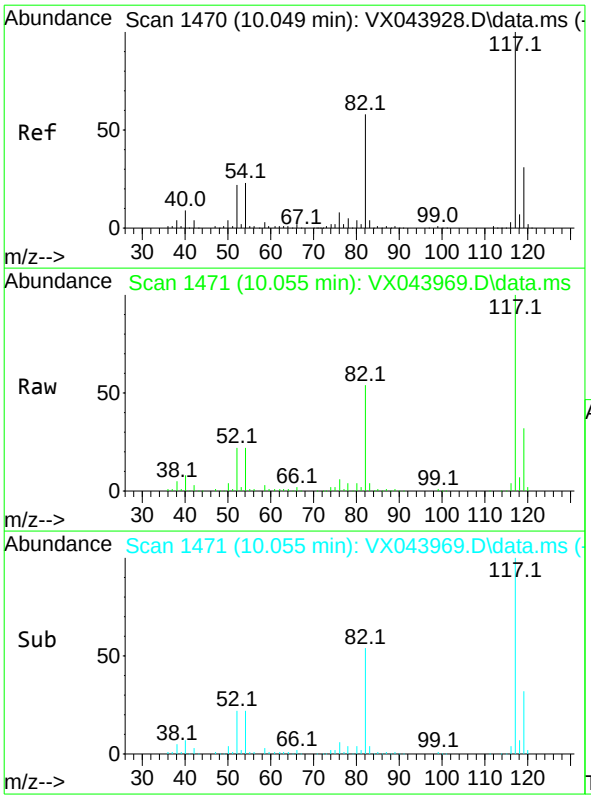


#62
4-Bromofluorobenzene
Concen: 48.626 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043969.D
Acq: 22 Nov 2024 18:47

Tgt Ion: 95 Resp: 85223

Ion	Ratio	Lower	Upper
95	100		
174	73.1	0.0	150.4
176	71.5	0.0	146.0



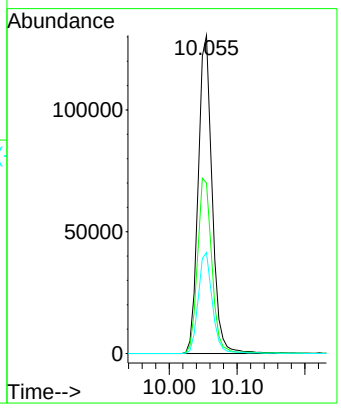


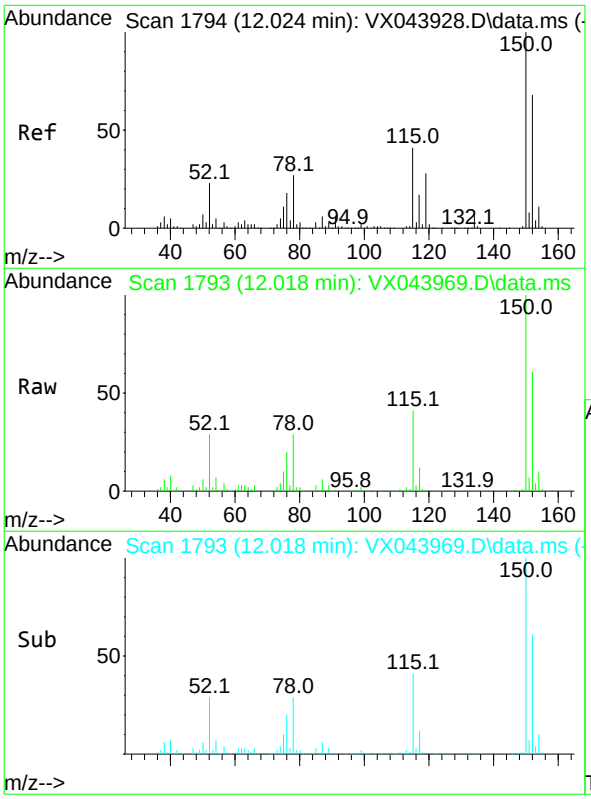
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043969.D
Acq: 22 Nov 2024 18:47

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-01S-20241113

Tgt Ion:117 Resp: 185900

Ion	Ratio	Lower	Upper
117	100		
82	53.6	46.4	69.6
119	31.7	24.6	37.0

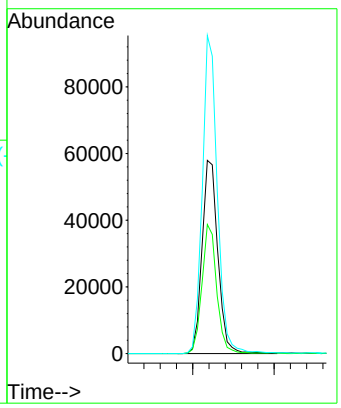




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043969.D
Acq: 22 Nov 2024 18:47

Tgt Ion:152 Resp: 78265

Ion	Ratio	Lower	Upper
152	100		
115	62.2	45.4	136.2
150	156.8	0.0	353.0



Sample Results: **VX043969.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043969.D
Acq On : 22 Nov 2024 18:47
Operator : JC/MD
Sample : P4846-17
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-01S-20241113

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\82X112124W.M
Title : SW846 8260

Signal : TIC: VX043969.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.239	22	25	32	rBV2	7936	10832	1.19%	0.235%
2	1.581	69	81	82	rBV3	14372	40641	4.45%	0.882%
3	5.379	693	704	721	rBV2	81120	237259	26.01%	5.152%
4	5.543	721	731	749	rVV2	122545	351069	38.48%	7.623%
5	5.946	788	797	816	rBV	96758	263590	28.89%	5.723%
6	6.757	919	930	953	rBV2	210938	519836	56.98%	11.287%
7	7.122	981	990	1002	rBV	411679	912306	100.00%	19.809%
8	8.647	1233	1240	1254	rBV	430897	704134	77.18%	15.289%
9	10.055	1465	1471	1482	rBV	408353	604833	66.30%	13.133%
10	11.079	1634	1639	1652	rBV	325163	438607	48.08%	9.523%
11	12.018	1788	1793	1802	rBV	408449	522432	57.26%	11.344%

Sum of corrected areas: 4605539

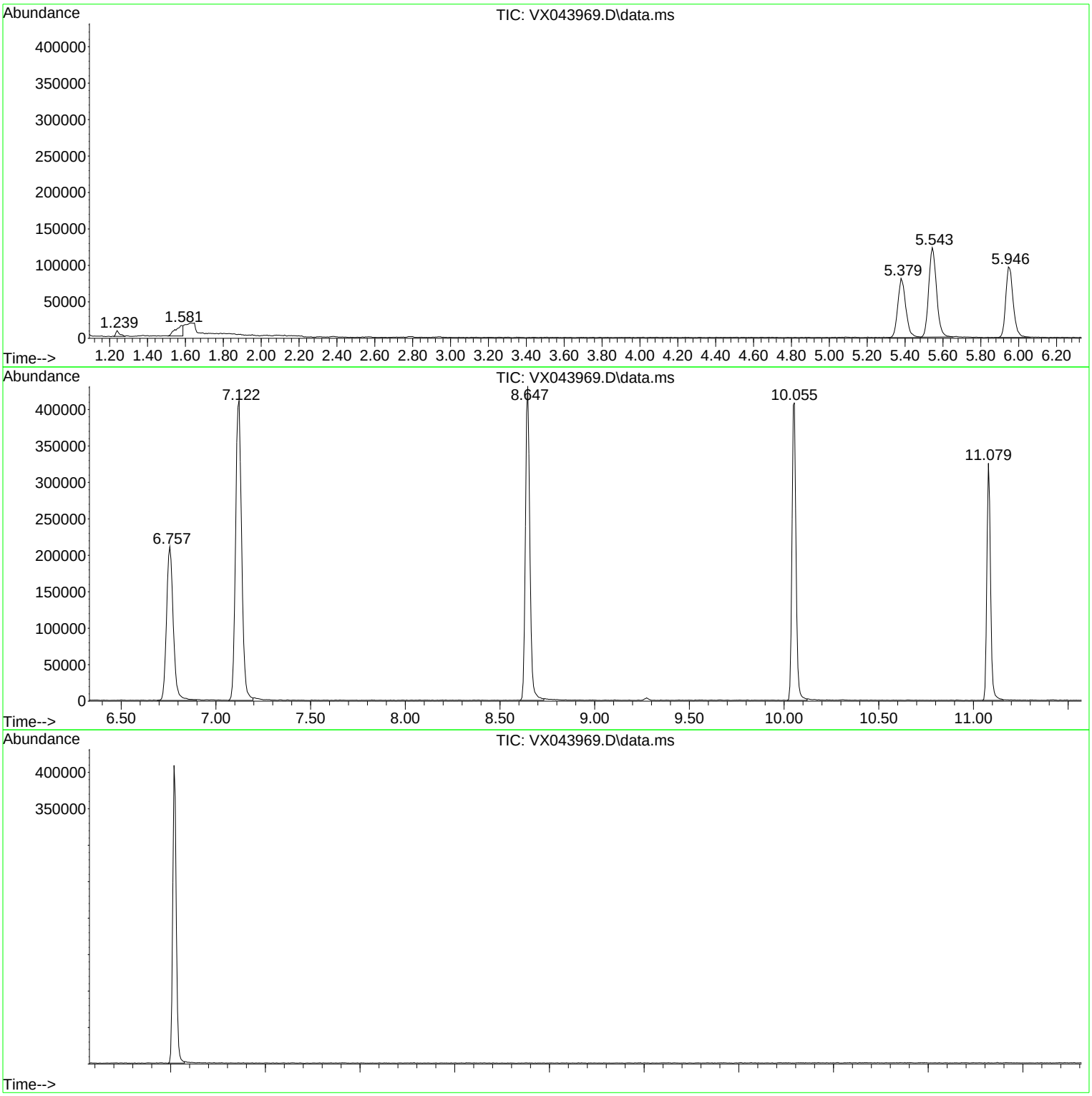
Sample Results: **VX043969.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043969.D
Acq On : 22 Nov 2024 18:47
Operator : JC/MD
Sample : P4846-17
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-01S-20241113

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VX043969.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043969.D
Acq On : 22 Nov 2024 18:47
Operator : JC/MD
Sample : P4846-17
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-01S-20241113

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.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\VX112224\
Data File : VX043969.D
Acq On : 22 Nov 2024 18:47
Operator : JC/MD
Sample : P4846-17
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-01S-20241113

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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

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

CALIBRATION SUMMARY

Raw Data

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4846 SAS No.: P4846 SDG No.: P4846

Instrument ID: MSVOA_X Calibration Date(s): 11/21/2024 11/21/2024

Heated Purge: (Y/N) N Calibration Time(s): 09:47 12:03

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

LAB FILE ID: RRF001 = VX043925.D RRF005 = VX043926.D RRF020 = VX043927.D
RRF050 = VX043928.D RRF100 = VX043929.D RRF150 = VX043930.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.634	0.633	0.641	0.684	0.601	0.608	0.633	4.6
Chloromethane	0.578	0.662	0.720	0.697	0.665	0.677	0.667	7.3
Vinyl Chloride	0.675	0.708	0.730	0.762	0.695	0.684	0.709	4.6
Bromomethane		0.425	0.438	0.445	0.429	0.442	0.436	2
Chloroethane	0.579	0.429	0.404	0.459	0.368	0.354	0.432	18.9
Trichlorofluoromethane	1.038	1.267	1.335	1.357	1.281	1.328	1.268	9.3
1,1,2-Trichlorotrifluoroethane	0.592	0.585	0.605	0.658	0.589	0.599	0.605	4.5
1,1-Dichloroethene	0.596	0.530	0.585	0.600	0.572	0.576	0.576	4.4
Acetone	0.401	0.396	0.401	0.425	0.370	0.370	0.394	5.4
Carbon Disulfide	1.082	0.956	1.078	1.287	1.330	1.398	1.188	14.6
Methyl tert-butyl Ether	1.732	1.991	2.212	2.264	2.160	2.192	2.092	9.5
Methyl Acetate	0.931	0.871	0.911	0.987	0.894	0.910	0.917	4.3
Methylene Chloride	0.704	0.656	0.684	0.667	0.643	0.655	0.668	3.3
trans-1,2-Dichloroethene	0.545	0.563	0.609	0.633	0.600	0.619	0.595	5.7
1,1-Dichloroethane	0.980	1.118	1.221	1.256	1.185	1.208	1.161	8.6
Cyclohexane		0.911	0.976	1.041	0.926	0.925	0.956	5.6
2-Butanone	0.448	0.486	0.538	0.567	0.500	0.510	0.508	8.1
Carbon Tetrachloride	0.439	0.466	0.491	0.558	0.520	0.528	0.500	8.7
cis-1,2-Dichloroethene	0.674	0.673	0.761	0.792	0.745	0.767	0.735	6.8
Bromochloromethane	0.501	0.611	0.482	0.450	0.500	0.523	0.511	10.7
Chloroform	1.070	1.238	1.309	1.316	1.269	1.293	1.249	7.4
1,1,1-Trichloroethane	0.873	1.005	1.133	1.184	1.119	1.149	1.077	10.9
Methylcyclohexane	0.544	0.556	0.564	0.656	0.574	0.576	0.578	6.9
Benzene	1.211	1.369	1.457	1.494	1.388	1.402	1.387	7
1,2-Dichloroethane	0.499	0.546	0.585	0.603	0.551	0.558	0.557	6.4
Trichloroethene	0.547	0.372	0.368	0.373	0.345	0.352	0.393	19.5
1,2-Dichloropropane	0.288	0.322	0.361	0.371	0.346	0.350	0.340	8.8
Bromodichloromethane	0.349	0.425	0.501	0.544	0.528	0.545	0.482	16.4
4-Methyl-2-Pentanone	0.437	0.527	0.562	0.606	0.539	0.548	0.537	10.4
Toluene	0.636	0.839	0.883	0.921	0.850	0.852	0.830	12

* 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.

Raw Data

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4846 SAS No.: P4846 SDG No.: P4846

Instrument ID: MSVOA_X Calibration Date(s): 11/21/2024 11/21/2024

Heated Purge: (Y/N) N Calibration Time(s): 09:47 12:03

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

LAB FILE ID: RRF001 = VX043925.D RRF005 = VX043926.D RRF020 = VX043927.D
RRF050 = VX043928.D RRF100 = VX043929.D RRF150 = VX043930.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.341	0.413	0.507	0.569	0.549	0.570	0.491	19.2
cis-1,3-Dichloropropene	0.409	0.462	0.569	0.611	0.580	0.601	0.539	15.4
1,1,2-Trichloroethane	0.287	0.340	0.375	0.370	0.340	0.345	0.343	9.1
2-Hexanone	0.297	0.393	0.431	0.471	0.410	0.419	0.403	14.5
Dibromochloromethane	0.249	0.292	0.344	0.396	0.380	0.401	0.344	18
1,2-Dibromoethane	0.258	0.339	0.373	0.385	0.358	0.367	0.346	13.3
Tetrachloroethene	0.304	0.342	0.336	0.349	0.315	0.332	0.330	5.1
Chlorobenzene	1.050	1.109	1.107	1.145	1.069	1.108	1.098	3.1
Ethyl Benzene	1.579	1.831	1.910	2.024	1.884	1.938	1.861	8.2
m/p-Xylenes	0.610	0.663	0.704	0.762	0.700	0.725	0.694	7.6
o-Xylene	0.543	0.665	0.691	0.757	0.693	0.716	0.678	10.7
Styrene	0.859	1.025	1.174	1.263	1.186	1.217	1.121	13.5
Bromoform	0.145	0.200	0.222	0.284	0.286	0.306	0.240	25.9
Isopropylbenzene	3.435	3.927	3.996	4.097	3.679	3.927	3.843	6.3
1,1,2,2-Tetrachloroethane	1.198	1.356	1.375	1.393	1.260	1.314	1.316	5.7
1,3-Dichlorobenzene	1.580	1.656	1.701	1.764	1.623	1.696	1.670	3.9
1,4-Dichlorobenzene	1.730	1.638	1.706	1.782	1.650	1.710	1.702	3.1
1,2-Dichlorobenzene	1.506	1.733	1.723	1.768	1.642	1.740	1.685	5.8
1,2-Dibromo-3-Chloropropane	0.213	0.254	0.252	0.284	0.275	0.304	0.264	12
1,2,4-Trichlorobenzene	0.849	0.905	0.987	1.084	1.012	1.125	0.994	10.5
1,2,3-Trichlorobenzene	0.753	0.960	1.055	1.118	1.018	1.130	1.006	13.8
1,2-Dichloroethane-d4		0.926	0.876	0.751	0.855	0.880	0.858	7.6
Dibromofluoromethane		0.371	0.353	0.327	0.359	0.376	0.357	5.4
Toluene-d8		1.327	1.237	1.104	1.232	1.257	1.232	6.6
4-Bromofluorobenzene		0.401	0.414	0.387	0.438	0.455	0.419	6.6

* 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.

Response Factor Report MSVOA_X

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X112124W.M
Title : SW846 8260
Last Update : Fri Nov 22 03:45:52 2024
Response Via : Initial Calibration

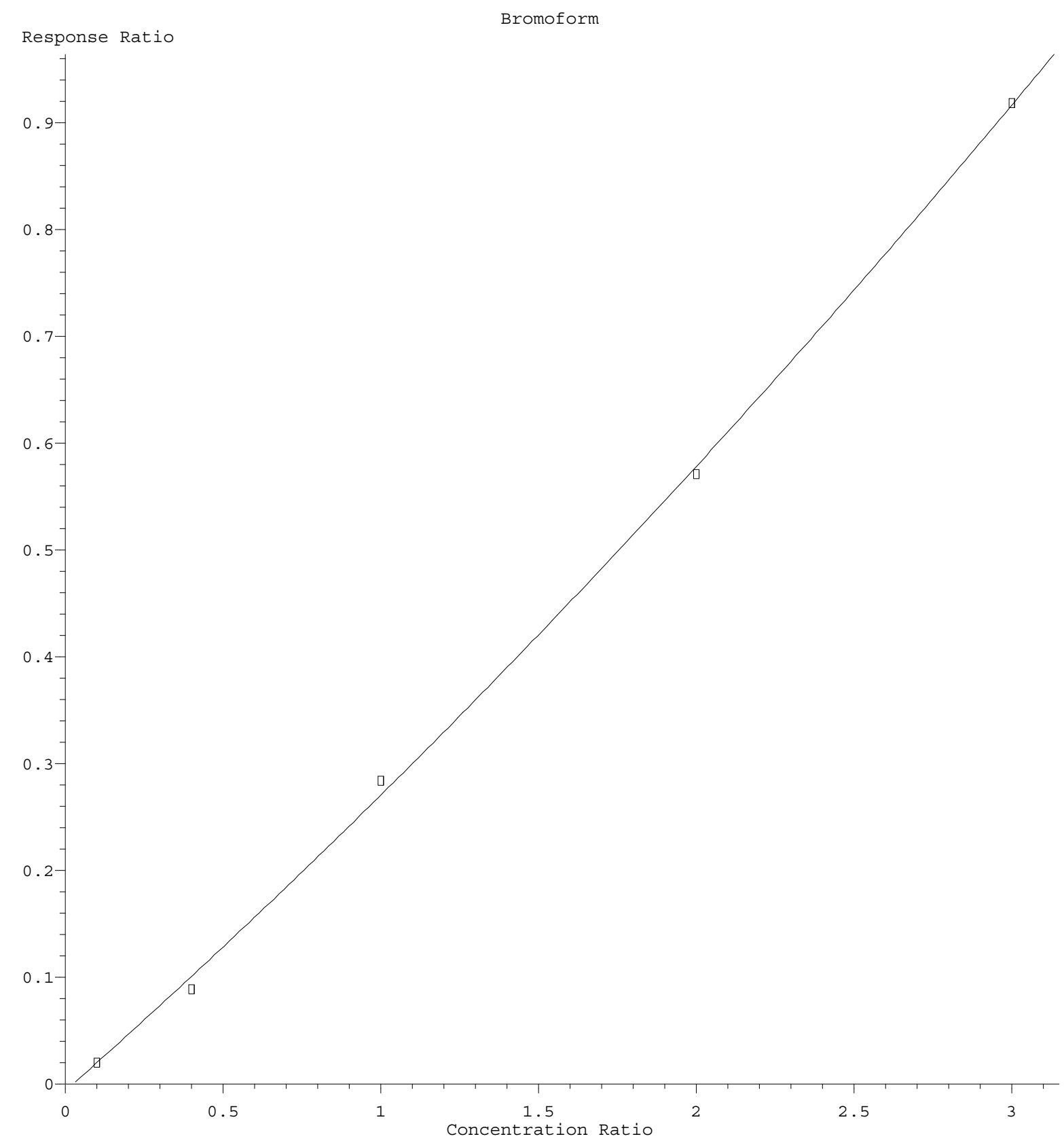
Calibration Files
1 =VX043925.D 5 =VX043926.D 20 =VX043927.D 50 =VX043928.D 100 =VX043929.D 150 =VX043930.D

		Compound	1	5	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.634	0.633	0.641	0.684	0.601	0.608	0.633	4.64
3)	P	Chloromethane	0.578	0.662	0.720	0.697	0.665	0.677	0.667	7.26
4)	C	Vinyl Chloride	0.675	0.708	0.730	0.762	0.695	0.684	0.709	4.56#
5)	T	Bromomethane		0.425	0.438	0.445	0.429	0.442	0.436	1.95
6)	T	Chloroethane	0.579	0.429	0.404	0.459	0.368	0.354	0.432	18.87
7)	T	Trichlorofluor...	1.038	1.267	1.335	1.357	1.281	1.328	1.268	9.27
8)	T	Diethyl Ether	0.477	0.430	0.470	0.474	0.455	0.467	0.462	3.80
9)	T	1,1,2-Trichlor...	0.592	0.585	0.605	0.658	0.589	0.599	0.605	4.47
10)	T	Methyl Iodide		0.656	0.782	0.809	0.773	0.755	0.755	7.75
11)	T	Tert butyl alc...		0.123	0.133	0.145	0.134	0.154	0.138	8.73
12)	CM	1,1-Dichloroet...	0.596	0.530	0.585	0.600	0.572	0.576	0.576	4.38#
13)	T	Acrolein		0.158	0.128	0.145	0.145	0.148	0.145	7.53
14)	T	Allyl chloride	0.796	0.854	0.964	1.044	0.998	0.993	0.941	10.17
15)	T	Acrylonitrile	0.301	0.322	0.343	0.370	0.332	0.345	0.335	6.97
16)	T	Acetone	0.401	0.396	0.401	0.425	0.370	0.370	0.394	5.39
17)	T	Carbon Disulfide	1.082	0.956	1.078	1.287	1.330	1.398	1.188	14.64
18)	T	Methyl Acetate	0.931	0.871	0.911	0.987	0.894	0.910	0.917	4.32
19)	T	Methyl tert-bu...	1.732	1.991	2.212	2.264	2.160	2.192	2.092	9.52
20)	T	Methylene Chlo...	0.704	0.656	0.684	0.667	0.643	0.655	0.668	3.33
21)	T	trans-1,2-Dich...	0.545	0.563	0.609	0.633	0.600	0.619	0.595	5.72
22)	T	Diisopropyl ether	1.638	1.930	2.170	2.162	2.071	2.106	2.013	10.09
23)	T	Vinyl Acetate	1.244	1.542	1.833	1.941	1.858	1.914	1.722	15.93
24)	P	1,1-Dichloroet...	0.980	1.118	1.221	1.256	1.185	1.208	1.161	8.63
25)	T	2-Butanone	0.448	0.486	0.538	0.567	0.500	0.510	0.508	8.10
26)	T	2,2-Dichloropr...	0.902	0.997	1.062	1.141	1.082	1.109	1.049	8.28
27)	T	cis-1,2-Dichlo...	0.674	0.673	0.761	0.792	0.745	0.767	0.735	6.83
28)	T	Bromochloromet...	0.501	0.611	0.482	0.450	0.500	0.523	0.511	10.68
29)	T	Tetrahydrofuran	0.286	0.312	0.319	0.338	0.303	0.311	0.312	5.49
30)	C	Chloroform	1.070	1.238	1.309	1.316	1.269	1.293	1.249	7.41#
31)	T	Cyclohexane		0.911	0.976	1.041	0.926	0.925	0.956	5.60
32)	T	1,1,1-Trichlor...	0.873	1.005	1.133	1.184	1.119	1.149	1.077	10.86
33)	S	1,2-Dichloroet...		0.926	0.876	0.751	0.855	0.880	0.858	7.57
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.371	0.353	0.327	0.359	0.376	0.357	5.43
36)	T	1,1-Dichloropr...	0.382	0.430	0.449	0.494	0.452	0.465	0.445	8.36
37)	T	Ethyl Acetate	0.517	0.549	0.549	0.610	0.539	0.552	0.553	5.61
38)	T	Carbon Tetrach...	0.439	0.466	0.491	0.558	0.520	0.528	0.500	8.69
39)	T	Methylcyclohexane	0.544	0.556	0.564	0.656	0.574	0.576	0.578	6.91
40)	TM	Benzene	1.211	1.369	1.457	1.494	1.388	1.402	1.387	7.04
41)	T	Methacrylonitrile	0.219	0.278	0.292	0.329	0.291	0.289	0.283	12.67
42)	TM	1,2-Dichloroet...	0.499	0.546	0.585	0.603	0.551	0.558	0.557	6.41
43)	T	Isopropyl Acetate	0.745	0.840	0.893	0.976	0.894	0.928	0.880	9.07
44)	TM	Trichloroethene	0.547	0.372	0.368	0.373	0.345	0.352	0.393	19.47
45)	C	1,2-Dichloropr...	0.288	0.322	0.361	0.371	0.346	0.350	0.340	8.84#
46)	T	Dibromomethane	0.239	0.240	0.280	0.293	0.276	0.284	0.269	8.58
47)	T	Bromodichlorom...	0.349	0.425	0.501	0.544	0.528	0.545	0.482	16.40
48)	T	Methyl methacr...	0.387	0.385	0.423	0.467	0.427	0.443	0.422	7.57
49)	T	1,4-Dioxane	0.006	0.008	0.008	0.008	0.008	0.007	0.008	11.13
50)	S	Toluene-d8		1.327	1.237	1.104	1.232	1.257	1.232	6.58
51)	T	4-Methyl-2-Pen...	0.437	0.527	0.562	0.606	0.539	0.548	0.537	10.41
52)	CM	Toluene	0.636	0.839	0.883	0.921	0.850	0.852	0.830	12.02#
53)	T	t-1,3-Dichloro...	0.341	0.413	0.507	0.569	0.549	0.570	0.491	19.21
54)	T	cis-1,3-Dichlo...	0.409	0.462	0.569	0.611	0.580	0.601	0.539	15.38
55)	T	1,1,2-Trichlor...	0.287	0.340	0.375	0.370	0.340	0.345	0.343	9.13

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X112124W.M

56)	T	Ethyl methacry...	0.379	0.467	0.571	0.614	0.582	0.590	0.534	17.12
57)	T	1,3-Dichloropr...	0.480	0.574	0.620	0.625	0.579	0.585	0.577	9.04
58)	T	2-Chloroethyl ...	0.159	0.327	0.276	0.307	0.284	0.287	0.273	21.65
59)	T	2-Hexanone	0.297	0.393	0.431	0.471	0.410	0.419	0.403	14.49
60)	T	Dibromochlorom...	0.249	0.292	0.344	0.396	0.380	0.401	0.344	17.98
61)	T	1,2-Dibromoethane	0.258	0.339	0.373	0.385	0.358	0.367	0.346	13.33
62)	S	4-Bromofluorob...		0.401	0.414	0.387	0.438	0.455	0.419	6.61
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.304	0.342	0.336	0.349	0.315	0.332	0.330	5.14
65)	PM	Chlorobenzene	1.050	1.109	1.107	1.145	1.069	1.108	1.098	3.05
66)	T	1,1,1,2-Tetrac...	0.260	0.332	0.371	0.395	0.382	0.396	0.356	14.75
67)	C	Ethyl Benzene	1.579	1.831	1.910	2.024	1.884	1.938	1.861	8.19#
68)	T	m/p-Xylenes	0.610	0.663	0.704	0.762	0.700	0.725	0.694	7.57
69)	T	o-Xylene	0.543	0.665	0.691	0.757	0.693	0.716	0.678	10.75
70)	T	Styrene	0.859	1.025	1.174	1.263	1.186	1.217	1.121	13.47
71)	P	Bromoform	0.145	0.200	0.222	0.284	0.286	0.306	0.240	25.88
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.435	3.927	3.996	4.097	3.679	3.927	3.843	6.32
74)	T	N-amyl acetate	1.249	1.648	1.867	1.996	1.895	2.029	1.780	16.45
75)	P	1,1,2,2-Tetrac...	1.198	1.356	1.375	1.393	1.260	1.314	1.316	5.70
76)	T	1,2,3-Trichlor...	0.863	1.246	1.153	1.181	1.053	1.084	1.096	12.17
77)	T	Bromobenzene	0.794	0.958	0.955	0.975	0.883	0.936	0.917	7.40
78)	T	n-propylbenzene	3.667	4.115	4.469	4.733	4.286	4.486	4.293	8.63
79)	T	2-Chlorotoluene	2.487	2.766	2.868	2.857	2.581	2.726	2.714	5.62
80)	T	1,3,5-Trimethy...	2.704	3.115	3.352	3.444	3.118	3.238	3.162	8.19
81)	T	trans-1,4-Dich...		0.298	0.374	0.443	0.423	0.471	0.402	16.90
82)	T	4-Chlorotoluene	2.660	3.005	3.187	3.329	3.025	3.180	3.064	7.54
83)	T	tert-Butylbenzene	2.581	3.097	3.266	3.440	3.152	3.269	3.134	9.42
84)	T	1,2,4-Trimethy...	2.557	3.173	3.366	3.440	3.124	3.228	3.148	9.95
85)	T	sec-Butylbenzene	3.116	3.921	3.968	4.249	3.812	3.974	3.840	9.97
86)	T	p-Isopropyltol...	2.255	3.043	3.316	3.521	3.219	3.362	3.119	14.50
87)	T	1,3-Dichlorobe...	1.580	1.656	1.701	1.764	1.623	1.696	1.670	3.88
88)	T	1,4-Dichlorobe...	1.730	1.638	1.706	1.782	1.650	1.710	1.702	3.10
89)	T	n-Butylbenzene	1.897	2.580	2.805	3.184	2.909	3.126	2.750	17.18
90)	T	Hexachloroethane	0.450	0.443	0.496	0.588	0.581	0.625	0.530	14.64
91)	T	1,2-Dichlorobe...	1.506	1.733	1.723	1.768	1.642	1.740	1.685	5.79
92)	T	1,2-Dibromo-3-...	0.213	0.254	0.252	0.284	0.275	0.304	0.264	12.00
93)	T	1,2,4-Trichlor...	0.849	0.905	0.987	1.084	1.012	1.125	0.994	10.53
94)	T	Hexachlorobuta...	0.382	0.384	0.376	0.411	0.384	0.419	0.393	4.54
95)	T	Naphthalene	2.605	3.361	3.698	4.005	3.733	4.058	3.576	15.03
96)	T	1,2,3-Trichlor...	0.753	0.960	1.055	1.118	1.018	1.130	1.006	13.83

(#) = Out of Range



R = 1.533e-002 A*A + 2.616e-001 A - 6.311e-003
Coef of Det (r^2) = 0.999408 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X112124W.M
Calibration Table Last Updated: Fri Nov 22 03:45:52 2024

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043923.D
Acq On : 20 Nov 2024 19:16
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations APPROVED

Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 21 07:05:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 07:00:56 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	138810	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	250758	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	211620	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	102312	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	123698	58.016	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 116.040%			
35) Dibromofluoromethane	5.379	113	92258	54.792	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.580%			
50) Toluene-d8	8.647	98	312682	55.587	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 111.180%			
62) 4-Bromofluorobenzene	11.079	95	112440	60.492	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 120.980%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	87148	62.046	ug/l	98
3) Chloromethane	1.294	50	98071	55.867	ug/l	99
4) Vinyl Chloride	1.374	62	98663	55.940	ug/l	97
5) Bromomethane	1.593	94	55648	69.459	ug/l	100
6) Chloroethane	1.660	64	49530	58.791	ug/l	99
7) Trichlorofluoromethane	1.867	101	174189	69.274	ug/l	100
8) Diethyl Ether	2.136	74	61407	64.776	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.319	101	78888	53.013	ug/l	98
10) Methyl Iodide	2.441	142	108199	51.664	ug/l	95
11) Tert butyl alcohol	3.001	59	96228	283.818	ug/l	99
12) 1,1-Dichloroethene	2.306	96	77411	53.599	ug/l	87
13) Acrolein	2.239	56	103637	272.556	ug/l	99
14) Allyl chloride	2.654	41	136615	58.343	ug/l	89
15) Acrylonitrile	3.068	53	241080	276.221	ug/l	98
16) Acetone	2.392	43	227575	265.748	ug/l	93
17) Carbon Disulfide	2.502	76	170454	54.052	ug/l	99
18) Methyl Acetate	2.703	43	128026	54.593	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	308920	57.868	ug/l	99
20) Methylene Chloride	2.782	84	92077	51.368	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	87463	55.548	ug/l	97
22) Diisopropyl ether	3.763	45	296742	58.005	ug/l	96
23) Vinyl Acetate	3.721	43	1303089	314.256	ug/l	98
24) 1,1-Dichloroethane	3.605	63	169925	56.478	ug/l	100
25) 2-Butanone	4.562	43	345310	288.244	ug/l	97
26) 2,2-Dichloropropane	4.465	77	141245	57.127	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	106274	54.236	ug/l	96
28) Bromochloromethane	4.891	49	68700	54.265	ug/l	94
29) Tetrahydrofuran	5.007	42	220135	284.374	ug/l	97
30) Chloroform	5.086	83	178903	57.044	ug/l	100
31) Cyclohexane	5.458	56	128800	52.818	ug/l	93
32) 1,1,1-Trichloroethane	5.379	97	155630	58.048	ug/l	98
36) 1,1-Dichloropropene	5.684	75	112658	53.685	ug/l	99
37) Ethyl Acetate	4.715	43	139478	59.057	ug/l	97
38) Carbon Tetrachloride	5.666	117	124606	56.086	ug/l	98
39) Methylcyclohexane	7.373	83	138032	52.543	ug/l	97
40) Benzene	6.031	78	349857	53.028	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043923.D
Acq On : 20 Nov 2024 19:16
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 21 07:05:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 07:00:56 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations APPROVED

Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.922	41	73757	59.928 ug/l		96
42) 1,2-Dichloroethane	6.080	62	141058	58.882 ug/l		97
43) Isopropyl Acetate	6.342	43	224533	60.266 ug/l		94
44) Trichloroethene	7.123	130	87313	48.004 ug/l		99
45) 1,2-Dichloropropane	7.427	63	87107	53.869 ug/l		100
46) Dibromomethane	7.580	93	69900	57.366 ug/l		95
47) Bromodichloromethane	7.818	83	125370	58.559 ug/l		97
48) Methyl methacrylate	7.696	41	105250	56.995 ug/l	#	88
49) 1,4-Dioxane	7.665	88	45681m	1161.399 ug/l		
51) 4-Methyl-2-Pentanone	8.574	43	689501	296.806 ug/l		95
52) Toluene	8.714	92	217080	57.032 ug/l		99
53) t-1,3-Dichloropropene	8.976	75	128331	59.078 ug/l		99
54) cis-1,3-Dichloropropene	8.360	75	139851	56.813 ug/l	#	91
55) 1,1,2-Trichloroethane	9.153	97	86975	58.565 ug/l		98
56) Ethyl methacrylate	9.116	69	141716	60.268 ug/l	#	89
57) 1,3-Dichloropropane	9.305	76	146448	58.860 ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	346010	280.598 ug/l		98
59) 2-Hexanone	9.433	43	513732	313.432 ug/l		94
60) Dibromochloromethane	9.519	129	90863	62.789 ug/l		99
61) 1,2-Dibromoethane	9.610	107	89087	57.509 ug/l		98
64) Tetrachloroethene	9.269	164	69945	51.529 ug/l		97
65) Chlorobenzene	10.079	112	230498	52.143 ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	80691	54.848 ug/l		97
67) Ethyl Benzene	10.189	91	404866	54.424 ug/l		98
68) m/p-Xylenes	10.299	106	300638	108.500 ug/l		96
69) o-Xylene	10.640	106	149788	55.404 ug/l		99
70) Styrene	10.652	104	250564	56.236 ug/l		97
71) Bromoform	10.799	173	56733	49.198 ug/l	#	97
73) Isopropylbenzene	10.963	105	387920	53.117 ug/l		99
74) N-amyl acetate	10.841	43	193137	51.587 ug/l		94
75) 1,1,2,2-Tetrachloroethane	11.213	83	134303	54.391 ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	110813m	53.071 ug/l		
77) Bromobenzene	11.195	156	92179	51.501 ug/l		98
78) n-propylbenzene	11.305	91	441866	54.835 ug/l		98
79) 2-Chlorotoluene	11.366	91	277003	54.025 ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	322601	53.291 ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	39924	48.469 ug/l		93
82) 4-Chlorotoluene	11.451	91	313937	53.165 ug/l		98
83) tert-Butylbenzene	11.713	119	320262	51.719 ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	327564	53.283 ug/l		98
85) sec-Butylbenzene	11.890	105	389571	52.682 ug/l		99
86) p-Isopropyltoluene	12.006	119	325801	52.472 ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	168646	50.841 ug/l		99
88) 1,4-Dichlorobenzene	12.042	146	167075	49.126 ug/l		98
89) n-Butylbenzene	12.329	91	283194	53.527 ug/l		98
90) Hexachloroethane	12.536	117	55605	46.087 ug/l		95
91) 1,2-Dichlorobenzene	12.335	146	169920	48.926 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	27323	45.200 ug/l		97
93) 1,2,4-Trichlorobenzene	13.585	180	98885	48.719 ug/l		97
94) Hexachlorobutadiene	13.725	225	39642	47.658 ug/l		98
95) Naphthalene	13.774	128	381936	50.468 ug/l		99
96) 1,2,3-Trichlorobenzene	13.963	180	104145	49.248 ug/l		99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043923.D
Acq On : 20 Nov 2024 19:16
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations APPROVED

Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 21 07:05:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 07:00:56 2024
Response via : Initial Calibration

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

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

ICAL Form

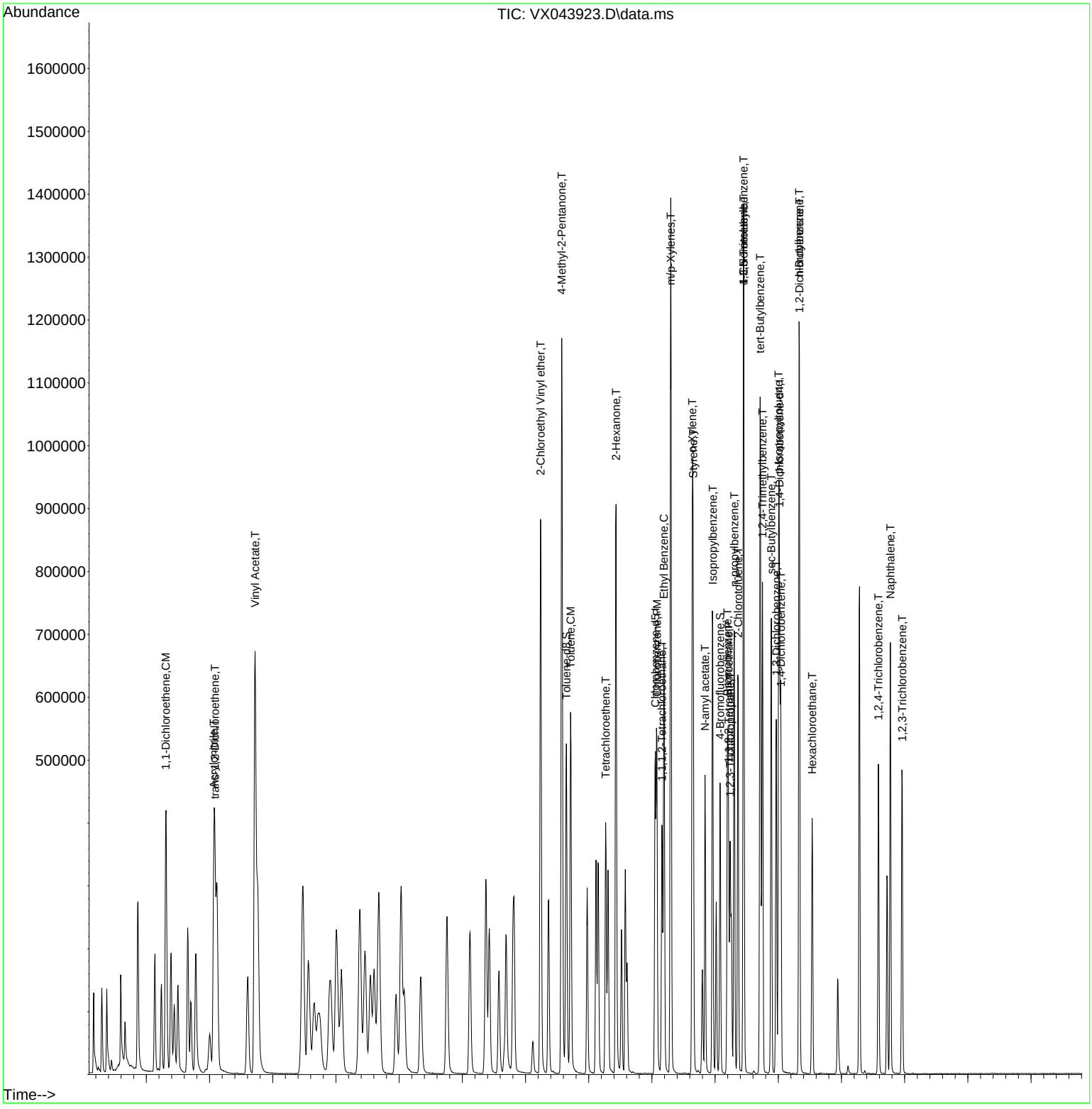
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Data File : VX043923.D
Acq On : 20 Nov 2024 19:16
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

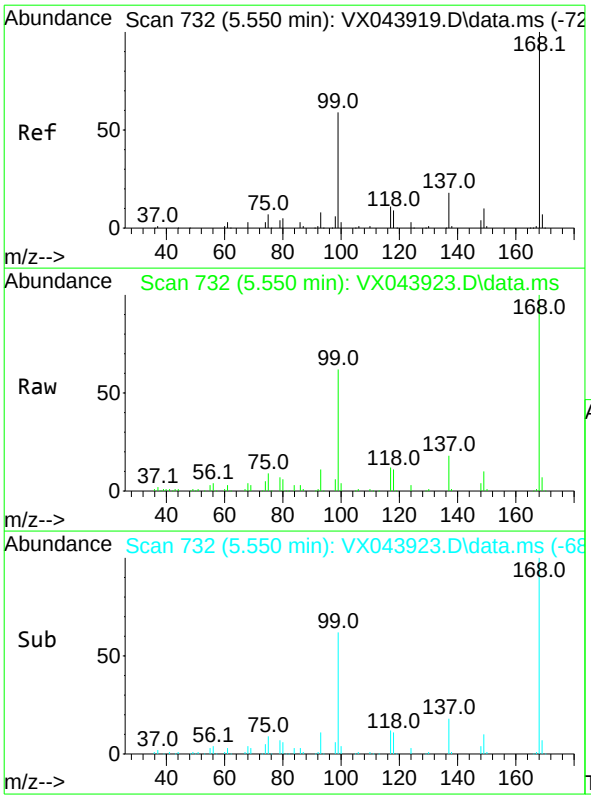
Quant Time: Nov 21 07:05:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 07:00:56 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations APPROVED

Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

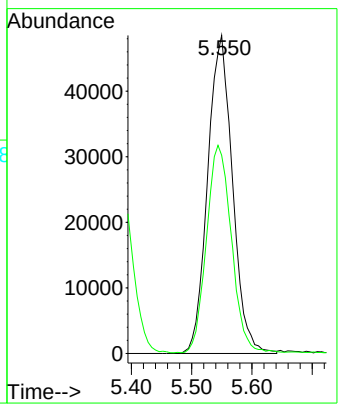




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion:168 Resp: 138810

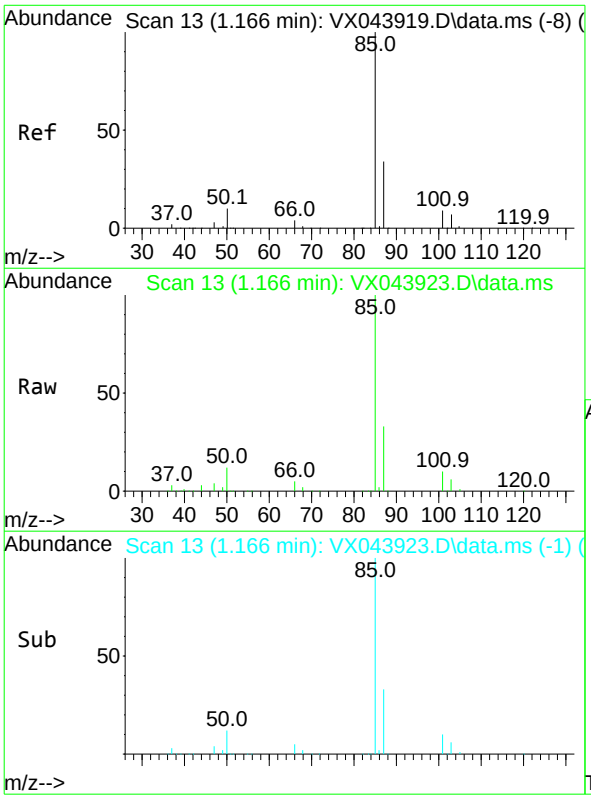
Ion	Ratio	Lower	Upper
168	100		
99	62.0	46.9	70.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

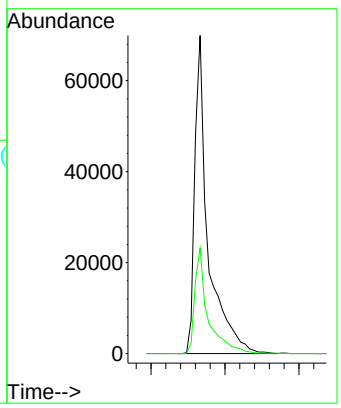
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

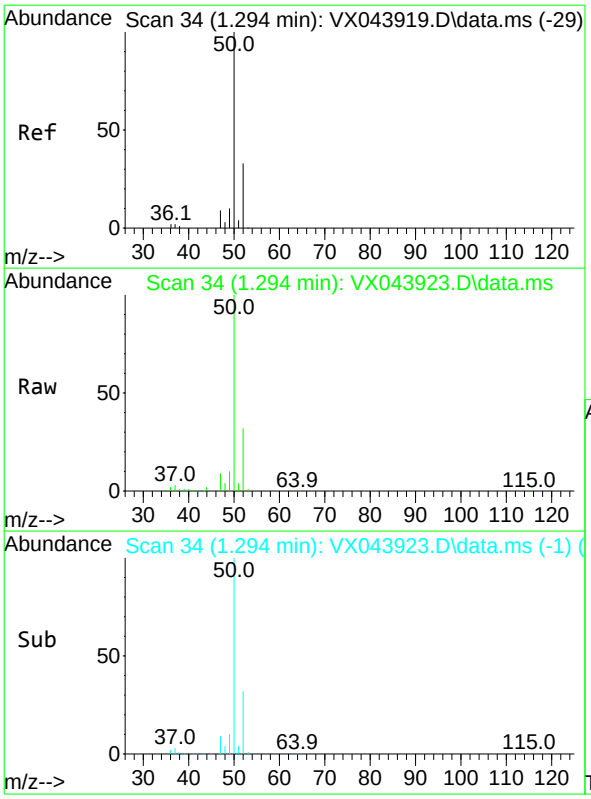


#2
Dichlorodifluoromethane
Concen: 62.046 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 85 Resp: 87148

Ion	Ratio	Lower	Upper
85	100		
87	33.2	17.1	51.2

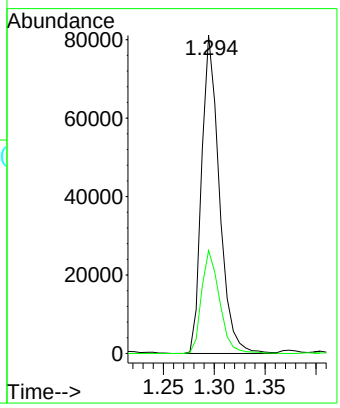




#3
Chloromethane
Concen: 55.867 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 50 Resp: 98071

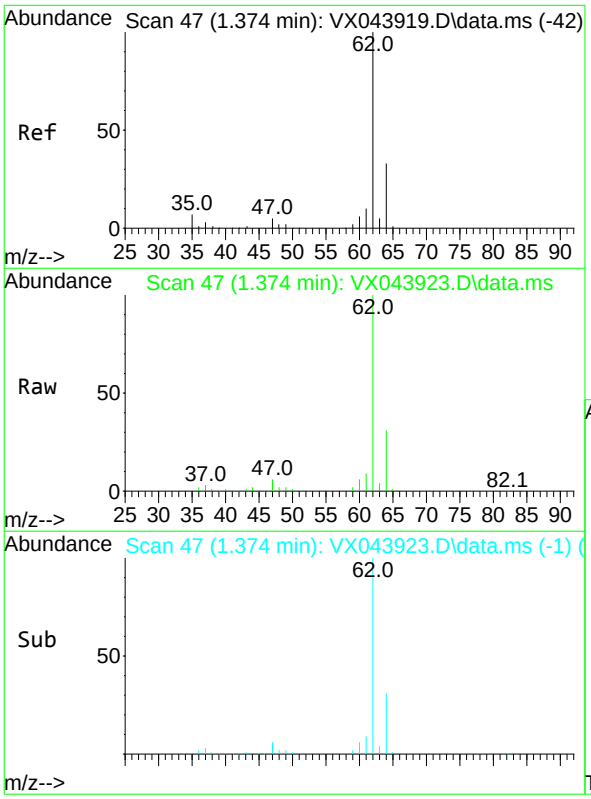
Ion	Ratio	Lower	Upper
50	100		
52	32.4	26.2	39.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

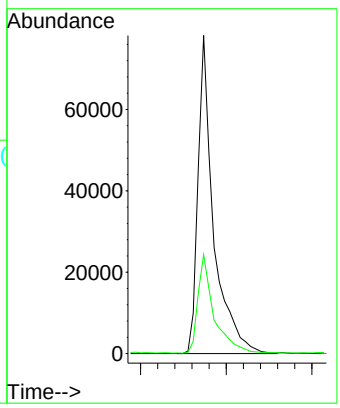
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

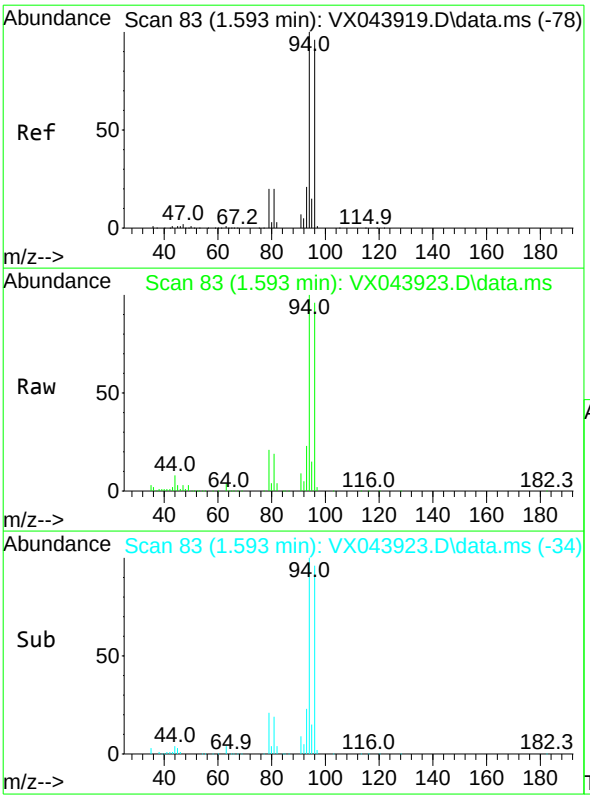


#4
Vinyl Chloride
Concen: 55.940 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 62 Resp: 98663

Ion	Ratio	Lower	Upper
62	100		
64	30.9	26.1	39.1

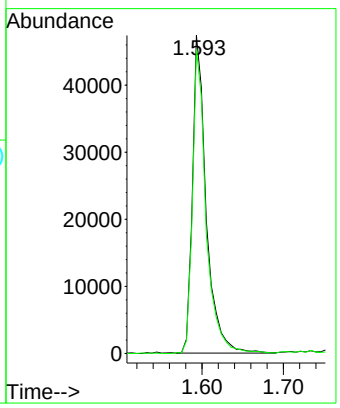




#5
Bromomethane
Concen: 69.459 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 94 Resp: 55648

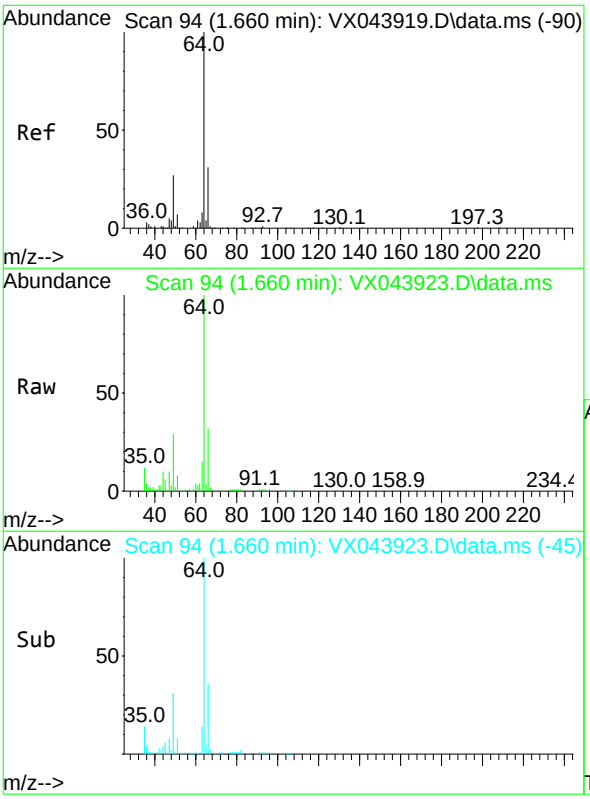
Ion	Ratio	Lower	Upper
94	100		
96	95.6	76.5	114.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

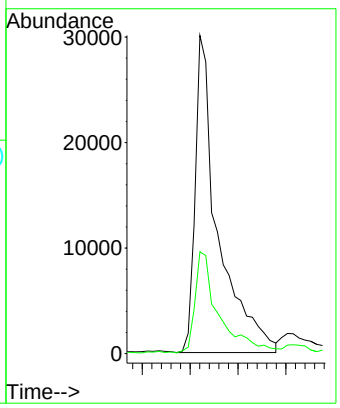
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

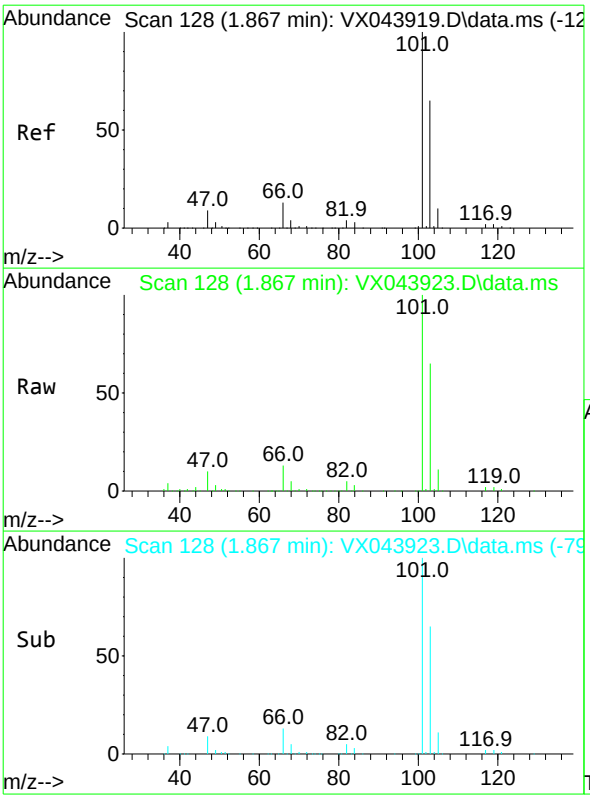


#6
Chloroethane
Concen: 58.791 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 64 Resp: 49530

Ion	Ratio	Lower	Upper
64	100		
66	31.9	24.9	37.3

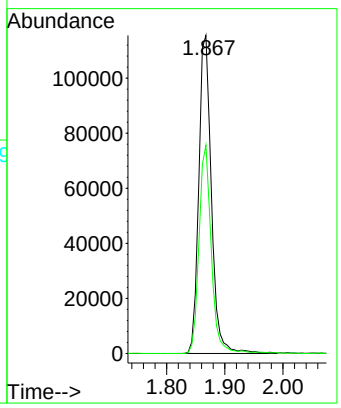




#7
Trichlorofluoromethane
Concen: 69.274 ug/l
RT: 1.867 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion:101 Resp: 174189

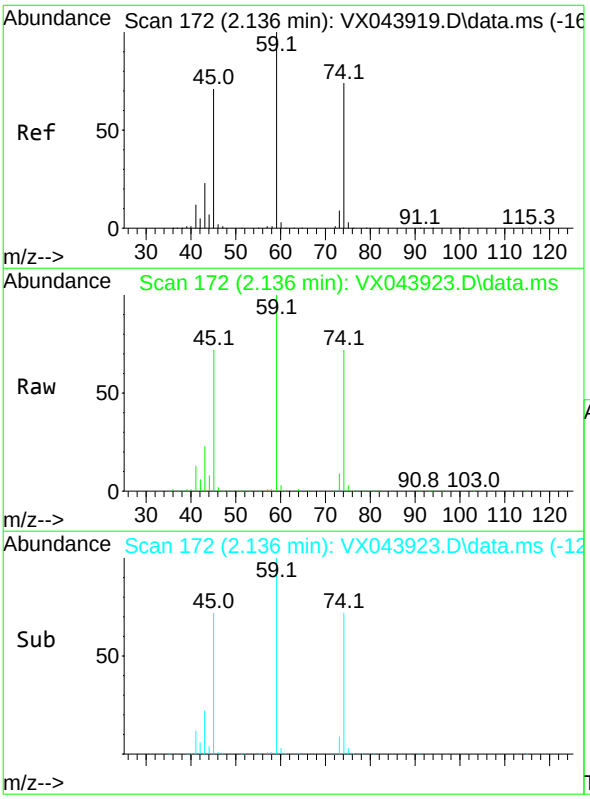
Ion	Ratio	Lower	Upper
101	100		
103	65.5	52.2	78.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

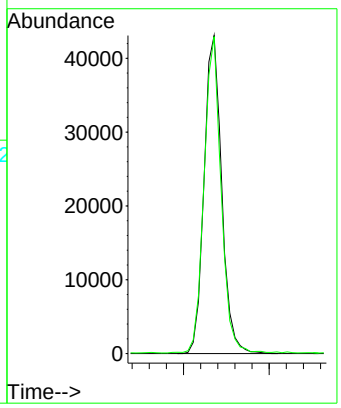
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

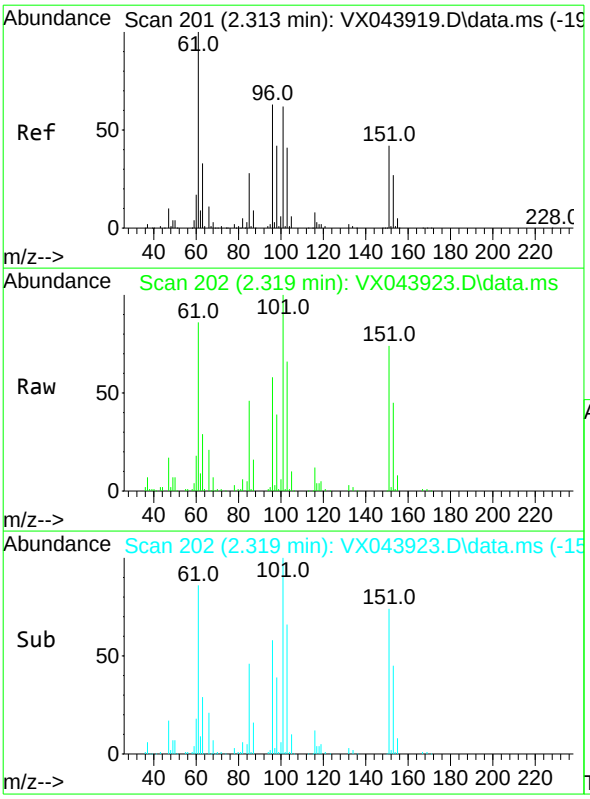


#8
Diethyl Ether
Concen: 64.776 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 74 Resp: 61407

Ion	Ratio	Lower	Upper
74	100		
45	96.1	49.9	149.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 53.013 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

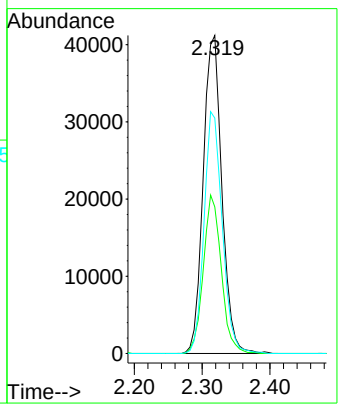
Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

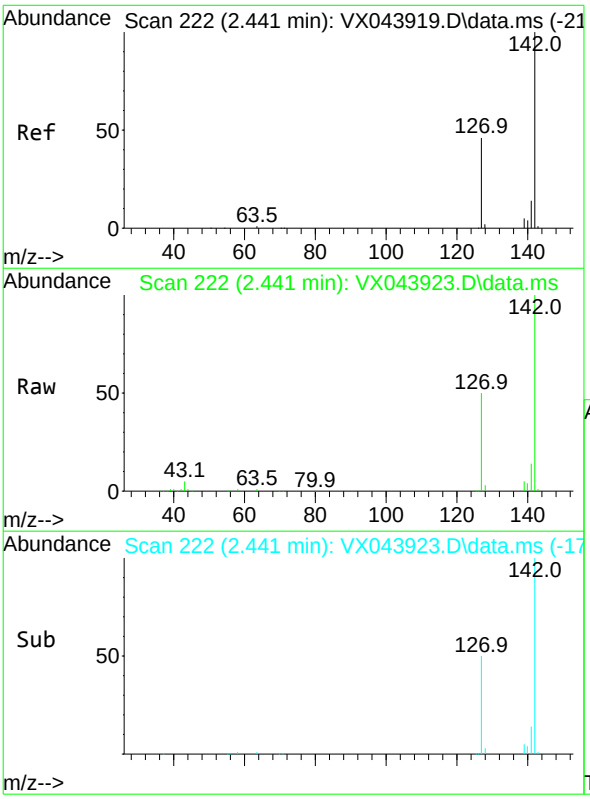
Tgt Ion:101 Resp: 78888

Ion	Ratio	Lower	Upper
101	100		
85	47.8	36.6	54.8
151	74.0	59.8	89.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

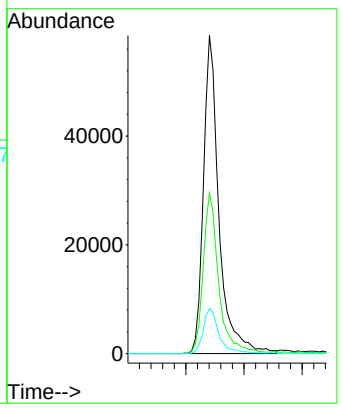


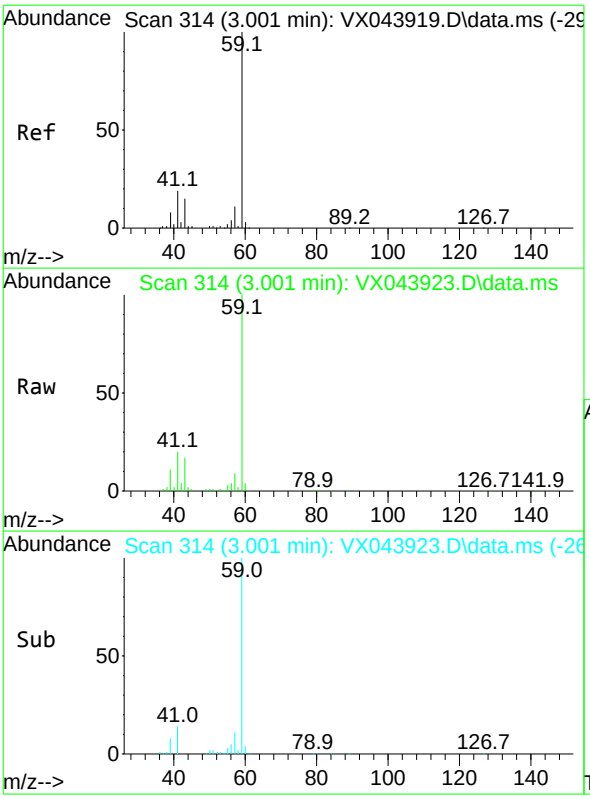


#10
Methyl Iodide
Concen: 51.664 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion:142 Resp: 108199

Ion	Ratio	Lower	Upper
142	100		
127	50.5	37.3	55.9
141	14.6	11.4	17.2

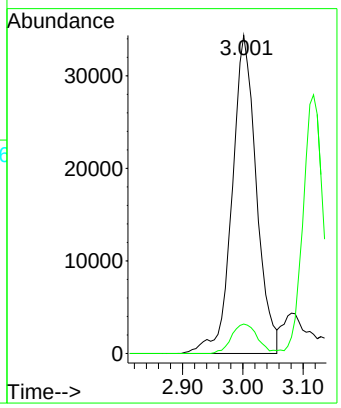




#11
Tert butyl alcohol
Concen: 283.818 ug/l
RT: 3.001 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 59 Resp: 96228

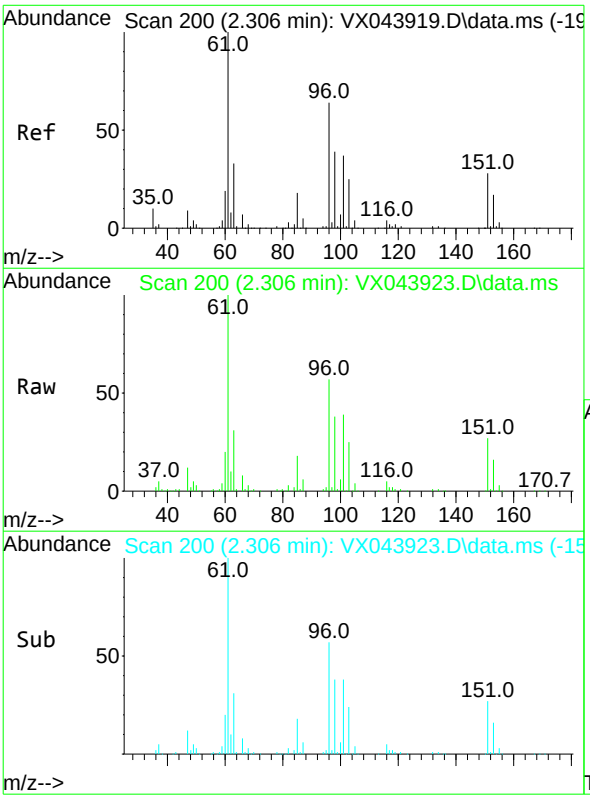
Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.2	12.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

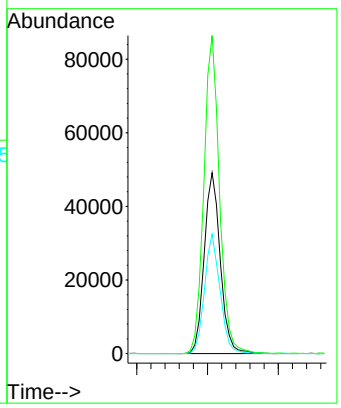
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

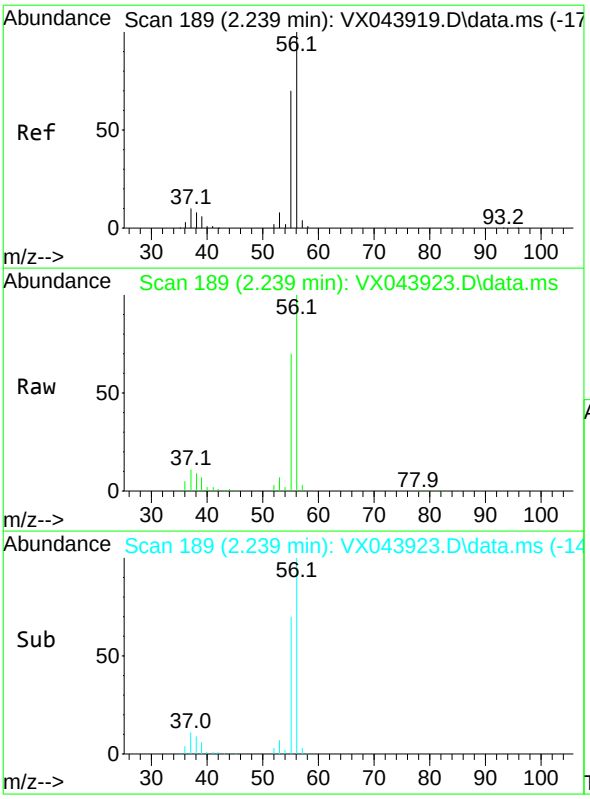


#12
1,1-Dichloroethene
Concen: 53.599 ug/l
RT: 2.306 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 96 Resp: 77411

Ion	Ratio	Lower	Upper
96	100		
61	175.9	124.6	187.0
98	66.2	49.0	73.6

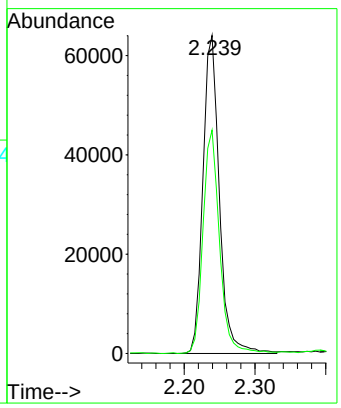




#13
Acrolein
Concen: 272.556 ug/l
RT: 2.239 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 56 Resp: 103637

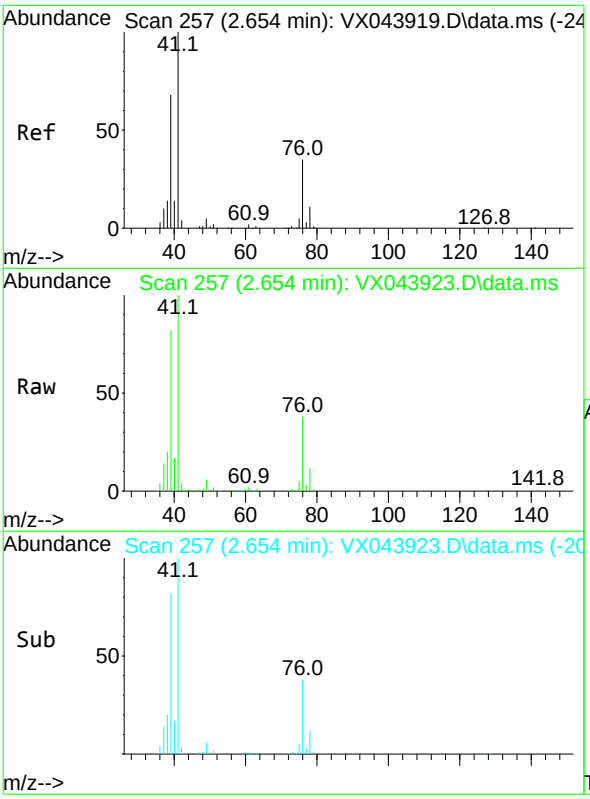
Ion	Ratio	Lower	Upper
56	100		
55	70.5	56.1	84.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

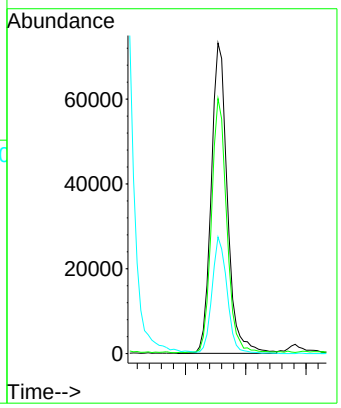
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

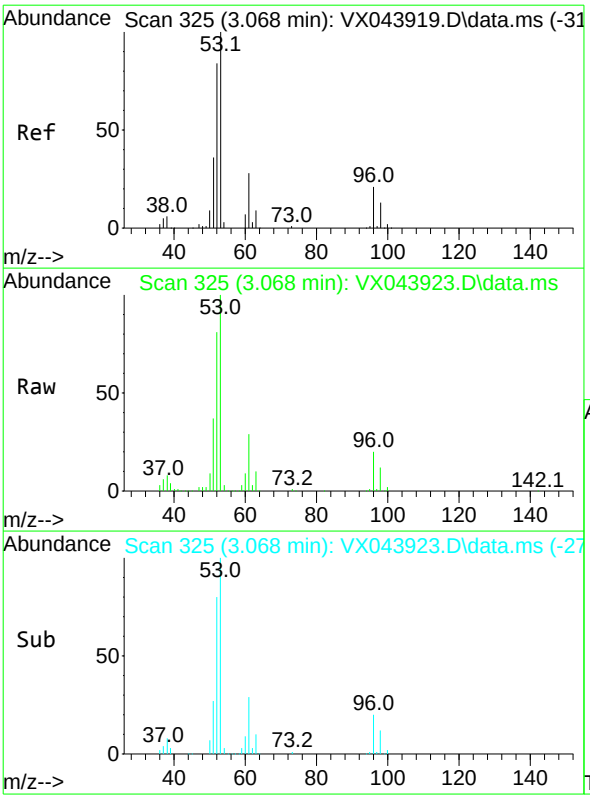


#14
Allyl chloride
Concen: 58.343 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 41 Resp: 136615

Ion	Ratio	Lower	Upper
41	100		
39	77.3	51.7	77.5
76	35.1	28.2	42.2

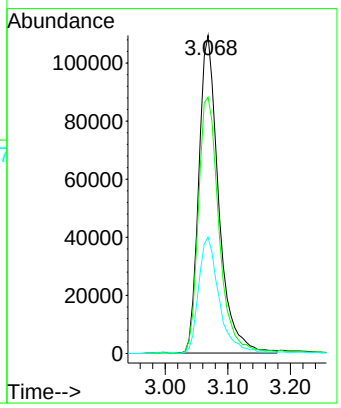




#15
Acrylonitrile
Concen: 276.221 ug/l
RT: 3.068 min Scan# 32
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 53 Resp: 241080

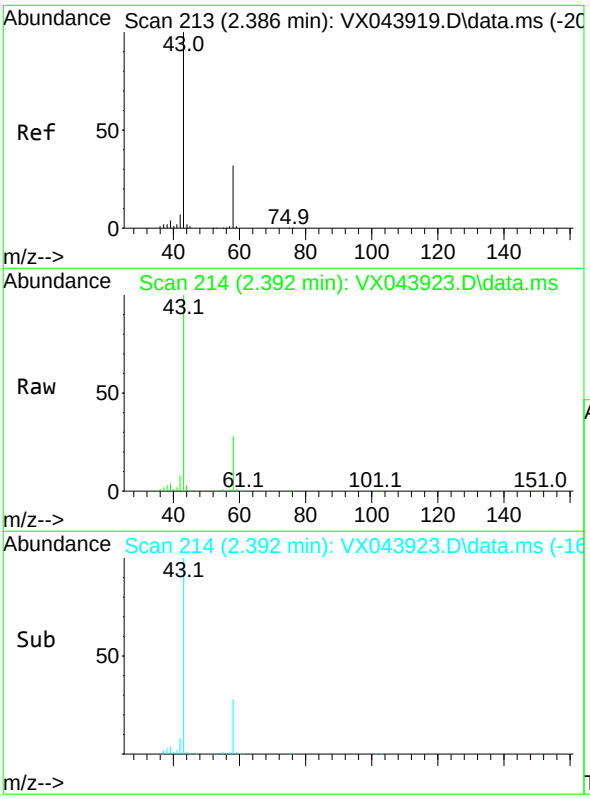
Ion	Ratio	Lower	Upper
53	100		
52	83.9	65.8	98.8
51	37.5	28.6	42.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

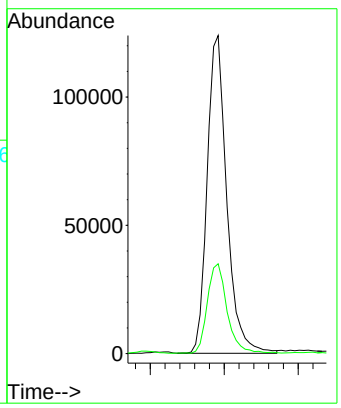
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

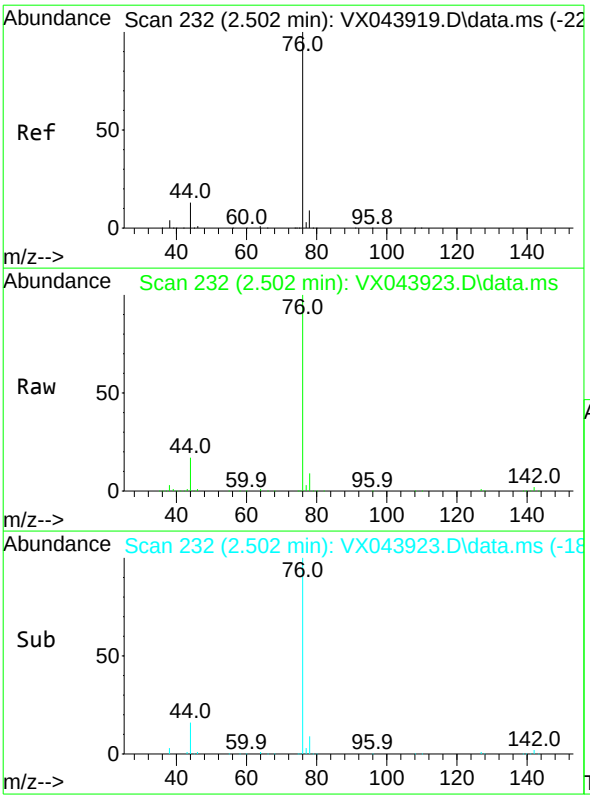


#16
Acetone
Concen: 265.748 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 43 Resp: 227575

Ion	Ratio	Lower	Upper
43	100		
58	28.1	25.8	38.6

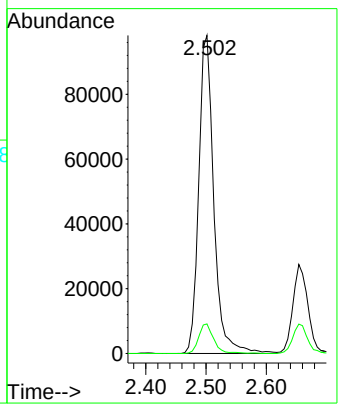




#17
Carbon Disulfide
Concen: 54.052 ug/l
RT: 2.502 min Scan# 23
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 76 Resp: 170454

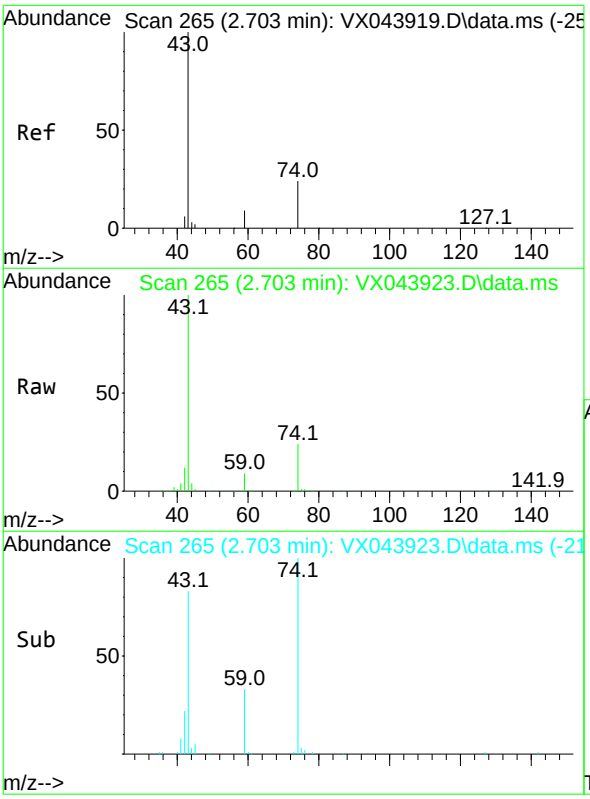
Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations APPROVED

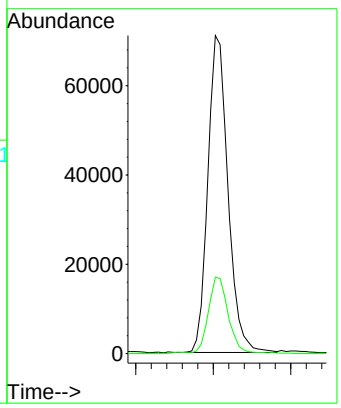
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

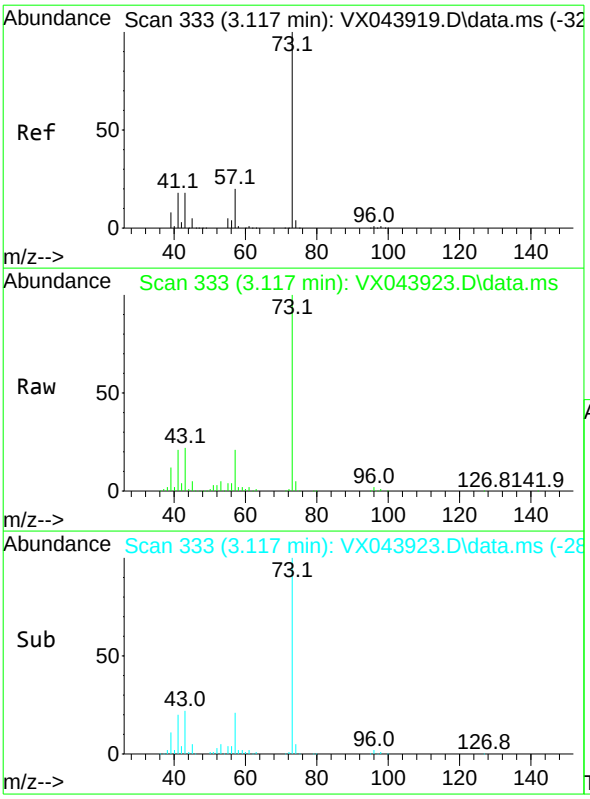


#18
Methyl Acetate
Concen: 54.593 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 43 Resp: 128026

Ion	Ratio	Lower	Upper
43	100		
74	24.0	20.1	30.1

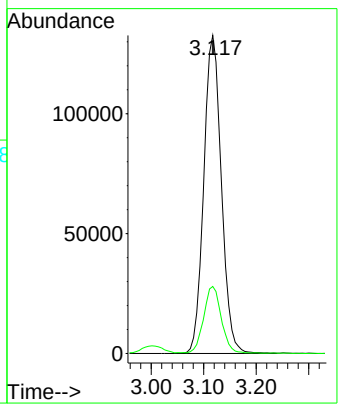




#19
Methyl tert-butyl Ether
Concen: 57.868 ug/l
RT: 3.117 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 73 Resp: 308920

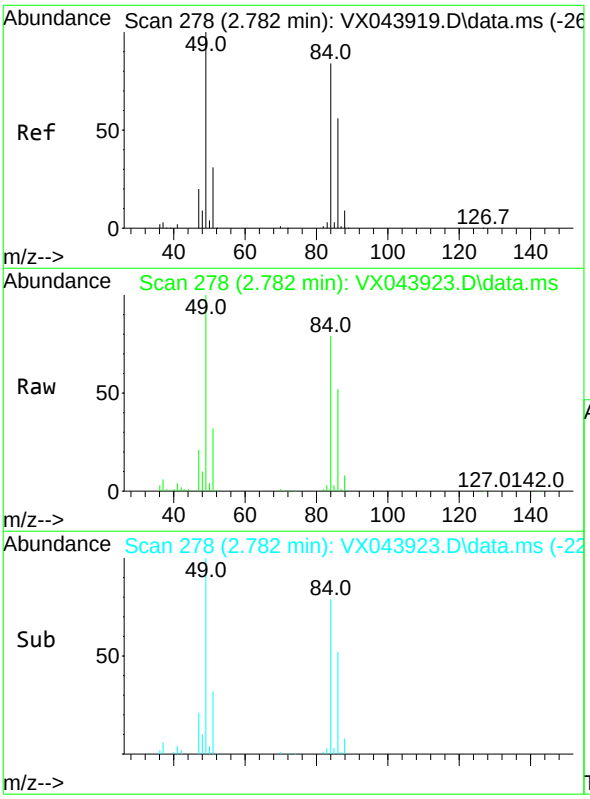
Ion	Ratio	Lower	Upper
73	100		
57	21.0	16.4	24.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

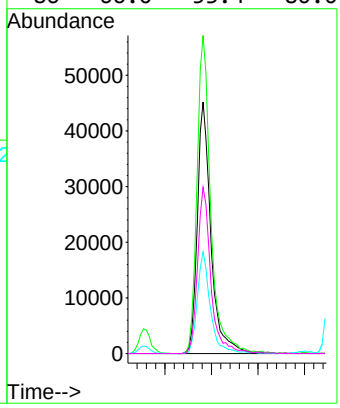
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

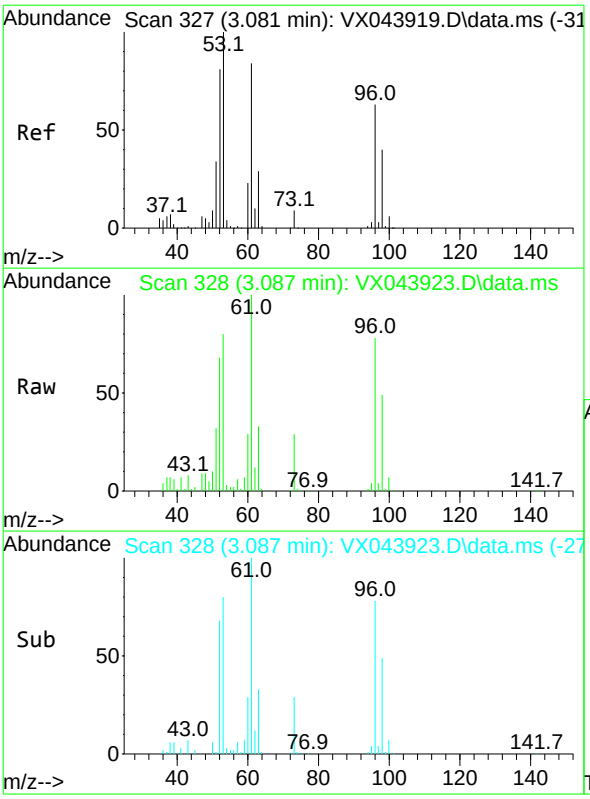


#20
Methylene Chloride
Concen: 51.368 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 84 Resp: 92077

Ion	Ratio	Lower	Upper
84	100		
49	126.4	95.1	142.7
51	40.4	29.2	43.8
86	66.0	53.4	80.0

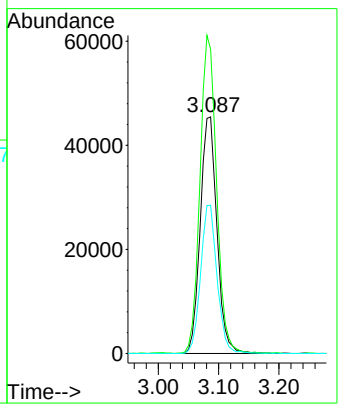




#21
trans-1,2-Dichloroethene
Concen: 55.548 ug/l
RT: 3.087 min Scan# 32
Delta R.T. 0.006 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 96 Resp: 87463

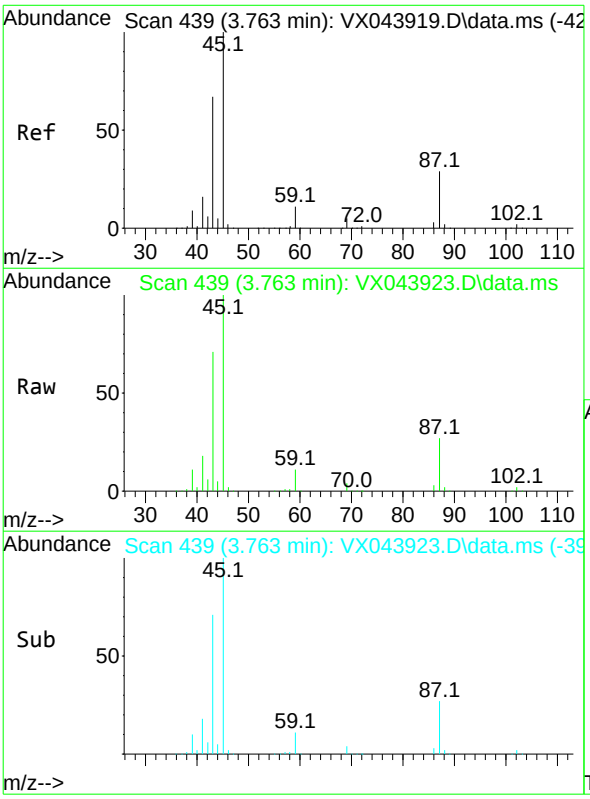
Ion	Ratio	Lower	Upper
96	100		
61	128.4	106.4	159.6
98	62.7	50.9	76.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

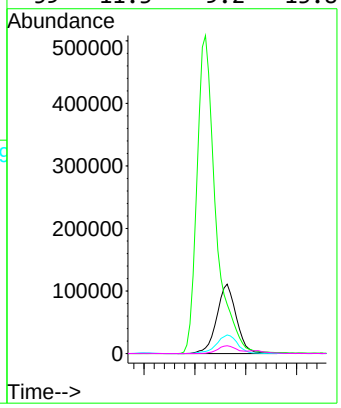
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

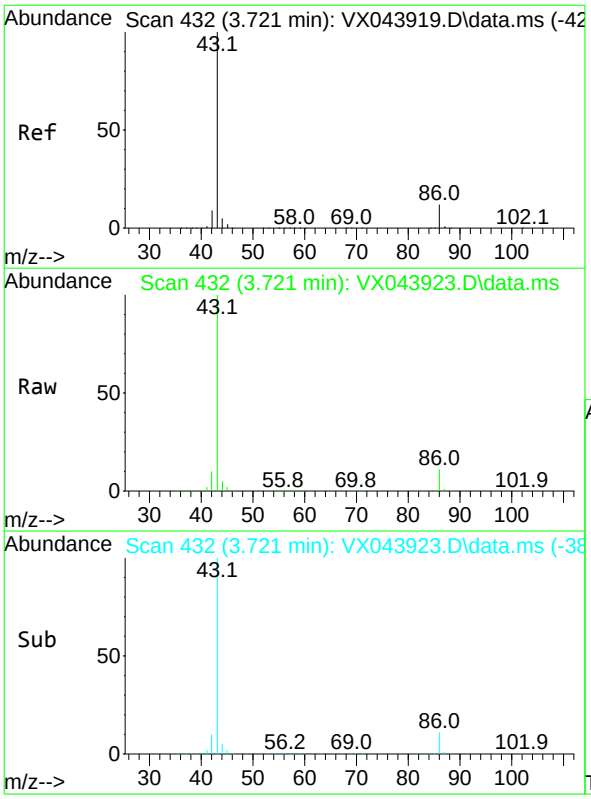


#22
Diisopropyl ether
Concen: 58.005 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 45 Resp: 296742

Ion	Ratio	Lower	Upper
45	100		
43	70.8	53.8	80.6
87	26.8	23.4	35.2
59	11.3	9.2	13.8

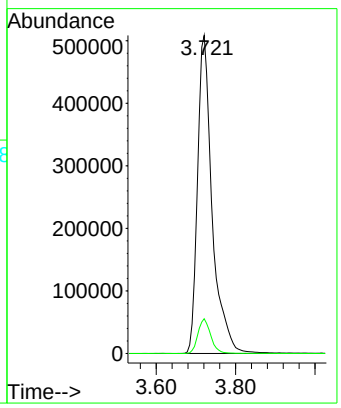




#23
Vinyl Acetate
Concen: 314.256 ug/l
RT: 3.721 min Scan# 43
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 43 Resp: 1303089

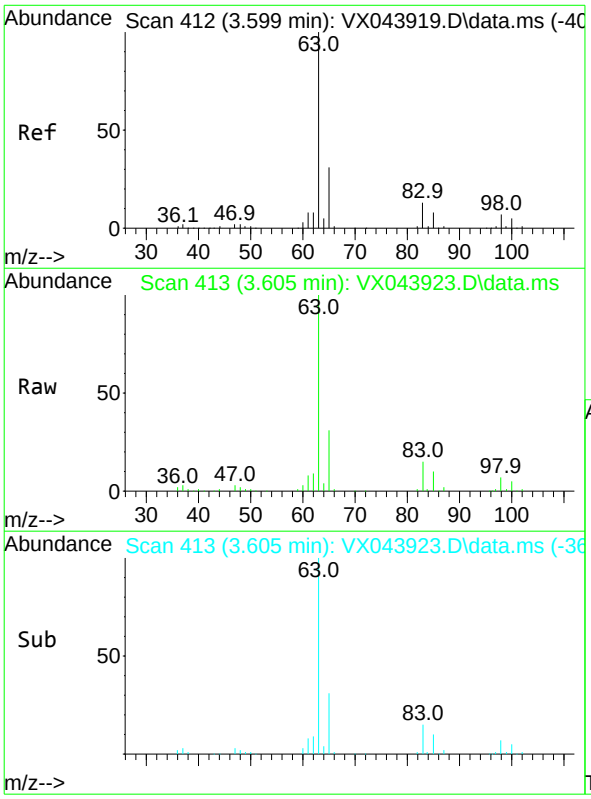
Ion	Ratio	Lower	Upper
43	100		
86	10.9	9.4	14.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

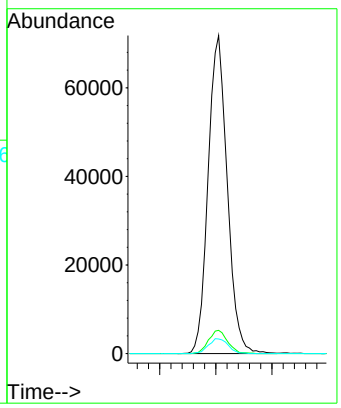
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

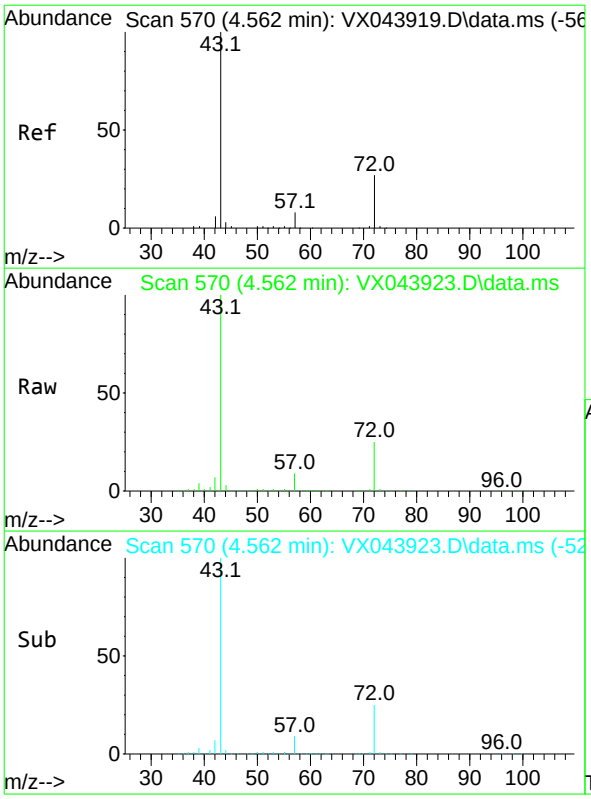


#24
1,1-Dichloroethane
Concen: 56.478 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 63 Resp: 169925

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.7	11.1
100	4.6	2.4	7.2

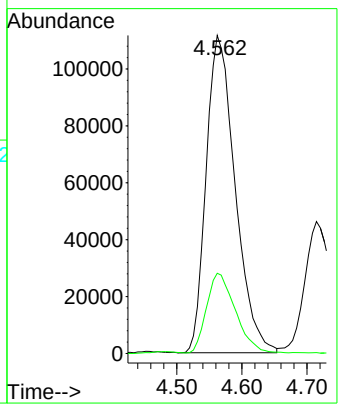




#25
2-Butanone
Concen: 288.244 ug/l
RT: 4.562 min Scan# 57
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 43 Resp: 345310

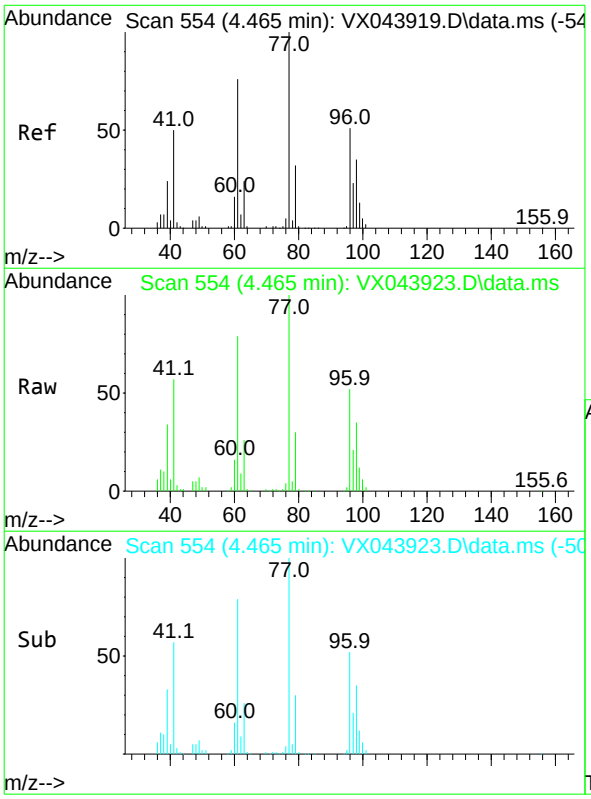
Ion	Ratio	Lower	Upper
43	100		
72	24.9	21.3	31.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

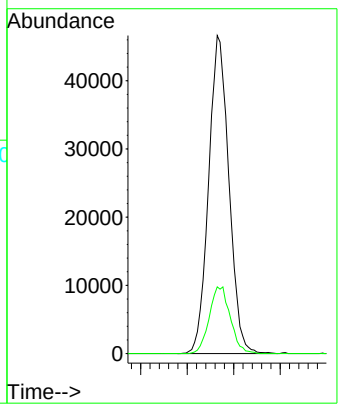
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

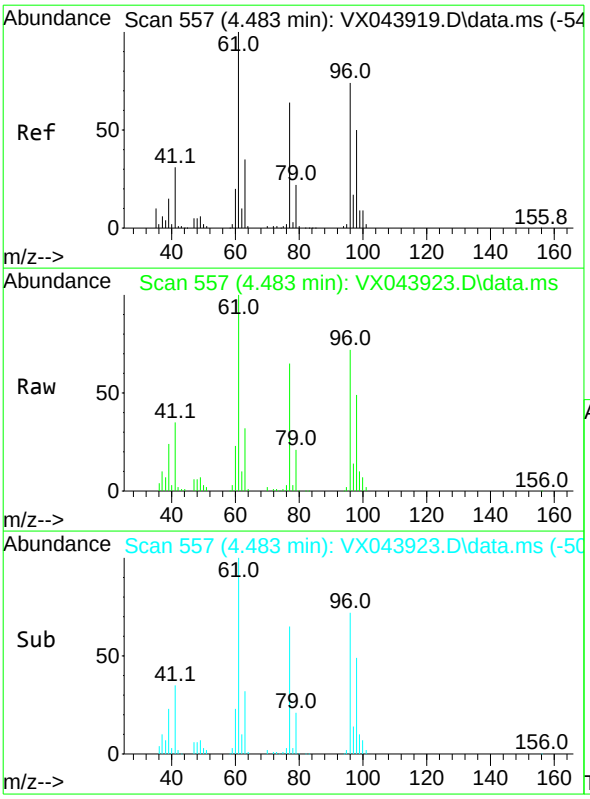


#26
2,2-Dichloropropane
Concen: 57.127 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 77 Resp: 141245

Ion	Ratio	Lower	Upper
77	100		
97	21.8	11.7	35.1

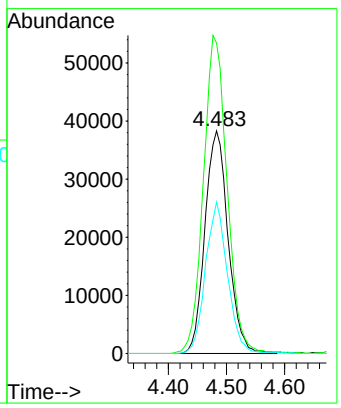




#27
cis-1,2-Dichloroethene
Concen: 54.236 ug/l
RT: 4.483 min Scan# 55
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 96 Resp: 106274

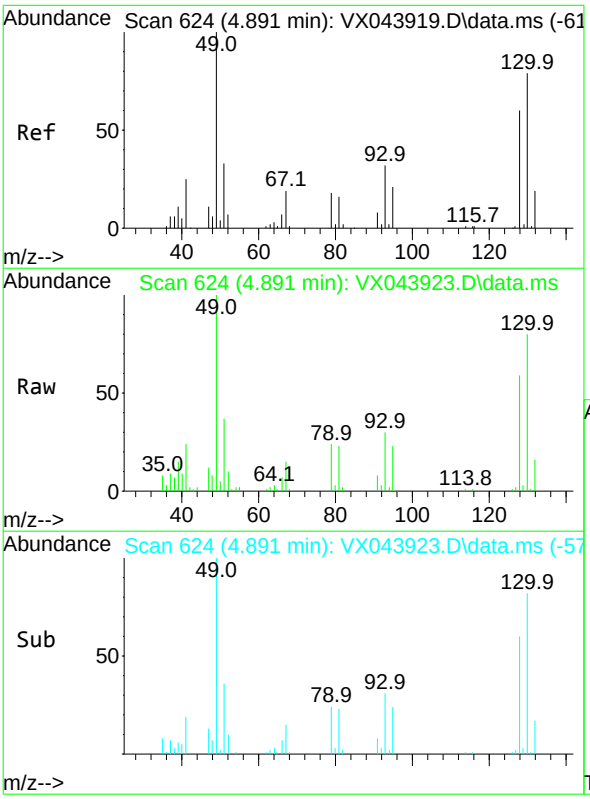
Ion	Ratio	Lower	Upper
96	100		
61	145.9	0.0	279.4
98	64.2	0.0	131.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

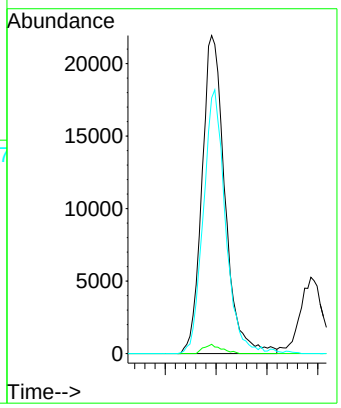
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

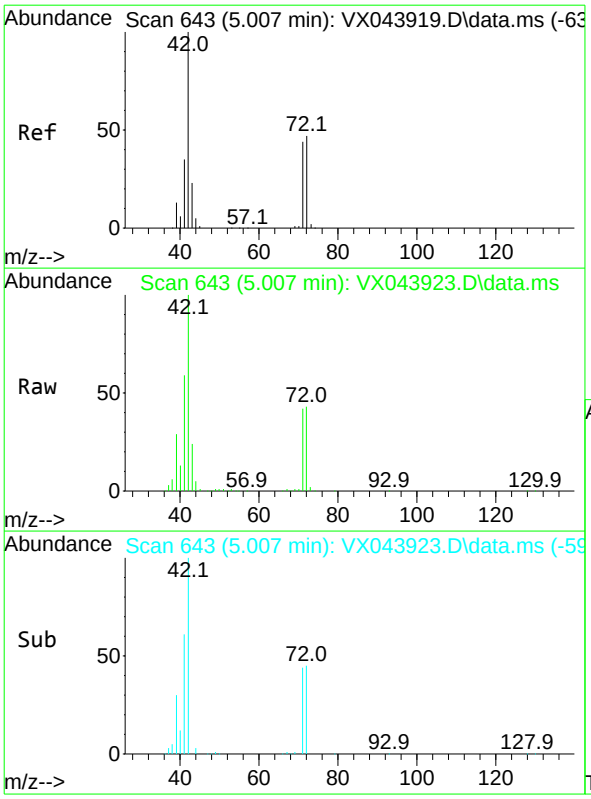


#28
Bromochloromethane
Concen: 54.265 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 49 Resp: 68700

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.4
130	79.7	68.2	102.2

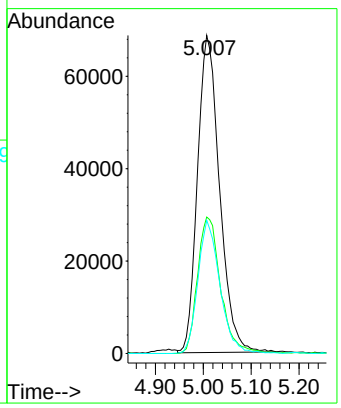




#29
Tetrahydrofuran
Concen: 284.374 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 42 Resp: 220135

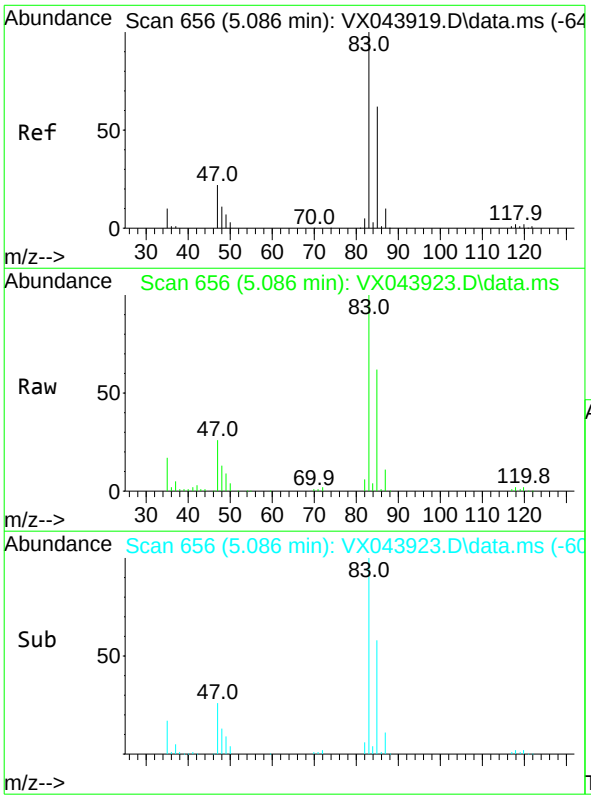
Ion	Ratio	Lower	Upper
42	100		
72	45.1	37.9	56.9
71	41.9	34.8	52.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

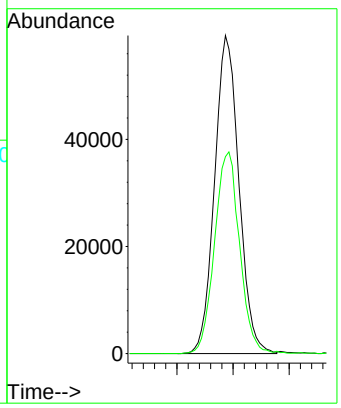
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

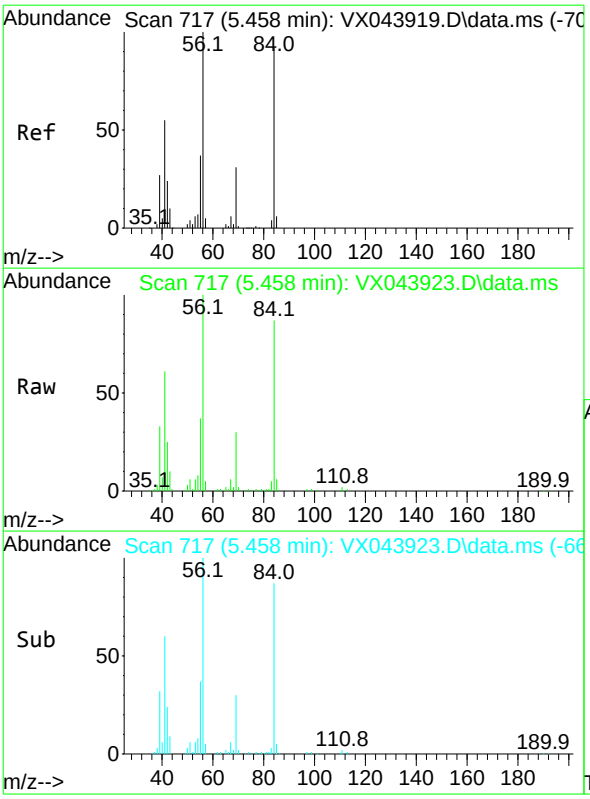


#30
Chloroform
Concen: 57.044 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 83 Resp: 178903

Ion	Ratio	Lower	Upper
83	100		
85	61.9	49.7	74.5

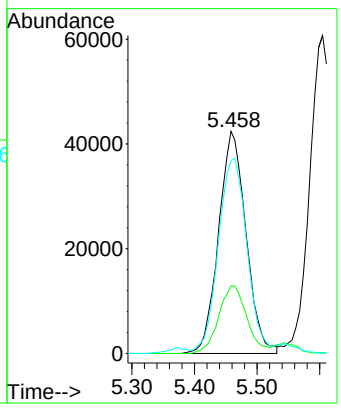




#31
Cyclohexane
Concen: 52.818 ug/l
RT: 5.458 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 56 Resp: 128800

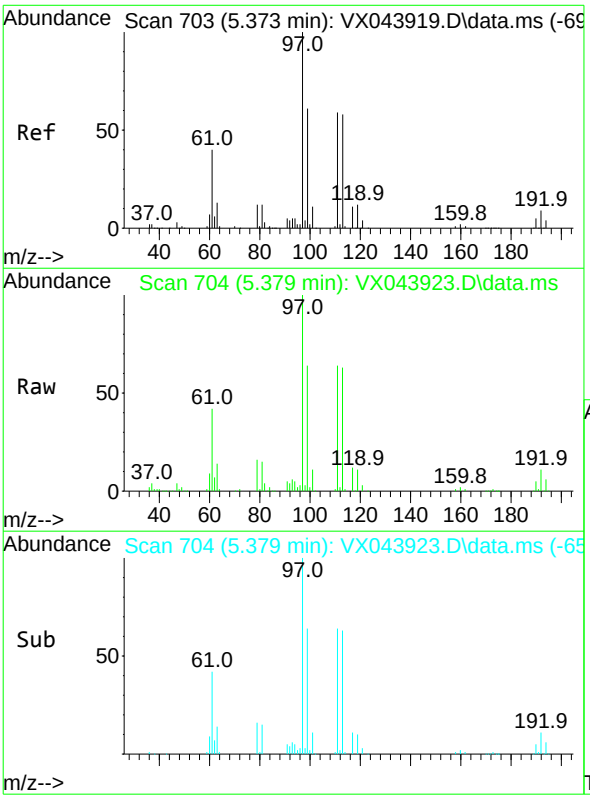
Ion	Ratio	Lower	Upper
56	100		
69	30.4	24.9	37.3
84	84.0	73.8	110.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

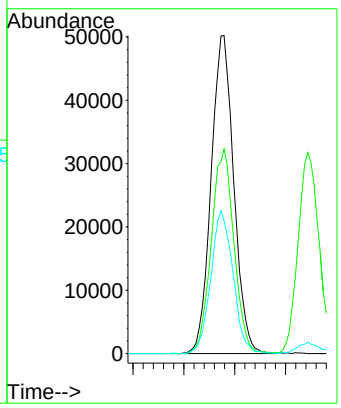
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

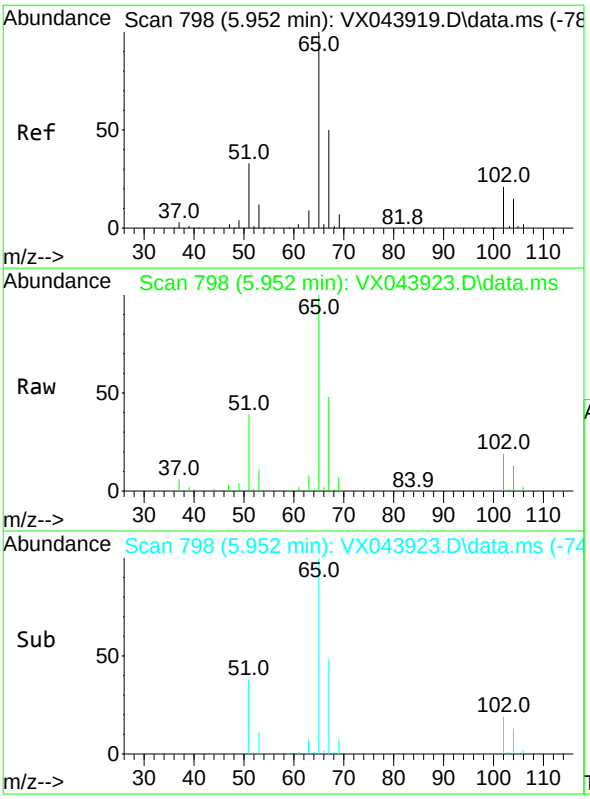


#32
1,1,1-Trichloroethane
Concen: 58.048 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 97 Resp: 155630

Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.2	76.8
61	43.9	32.9	49.3

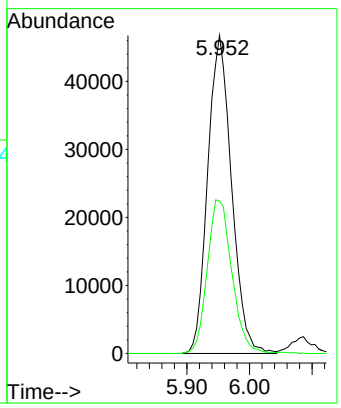




#33
1,2-Dichloroethane-d4
Concen: 58.016 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 65 Resp: 123698

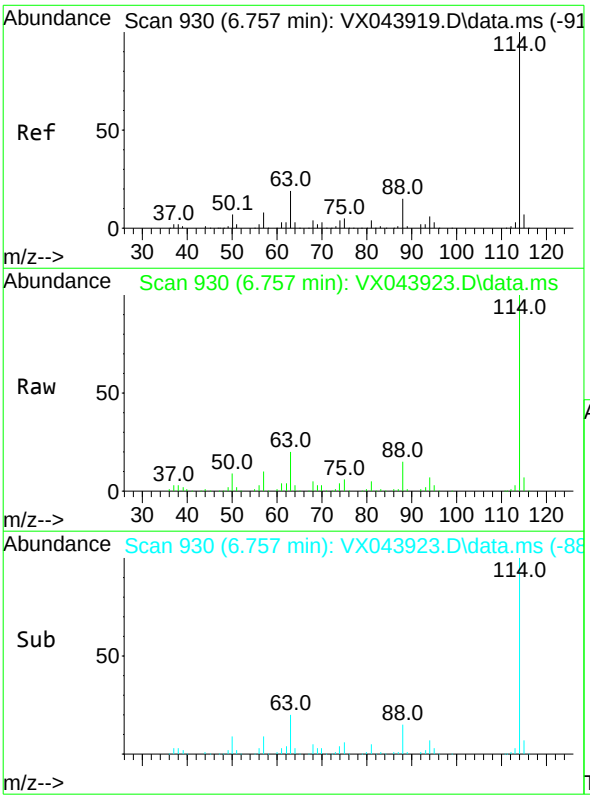
Ion	Ratio	Lower	Upper
65	100		
67	49.9	0.0	103.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations APPROVED

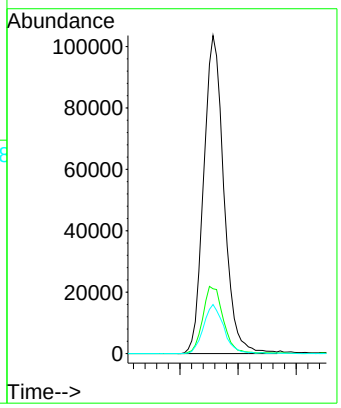
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

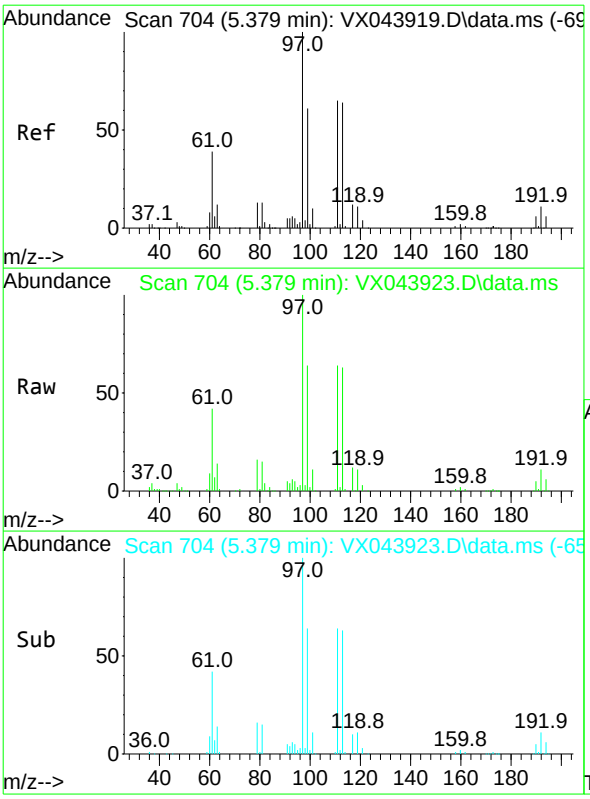


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion:114 Resp: 250758

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	39.0
88	15.4	0.0	30.2





#35
Dibromofluoromethane
Concen: 54.792 ug/l
RT: 5.379 min Scan# 70
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

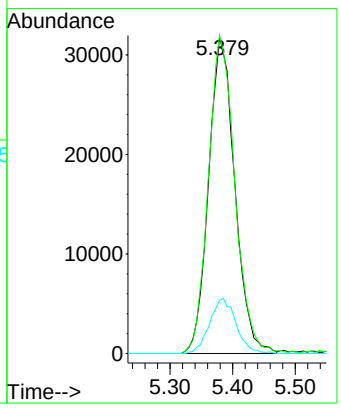
Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

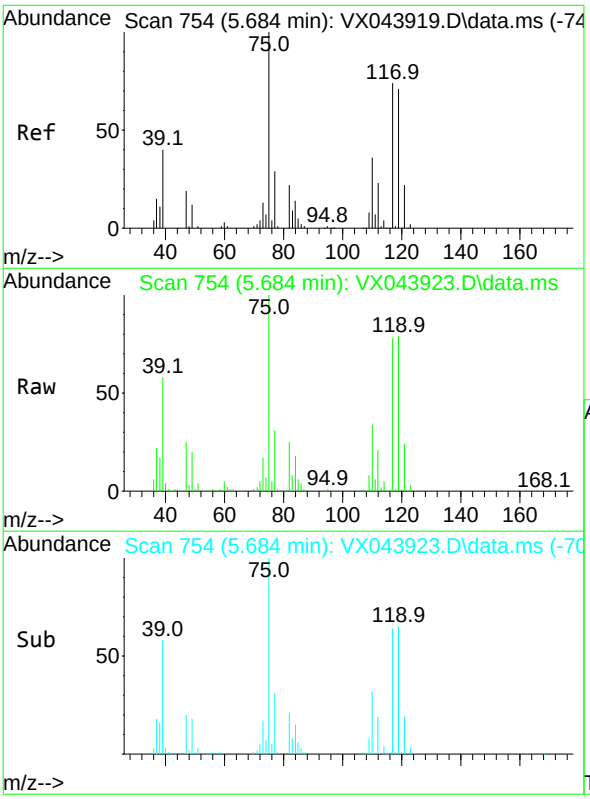
Tgt Ion:113 Resp: 92258

Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.0	121.6
192	17.6	14.2	21.2

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Reviewed By :John Carlone 11/21/2024
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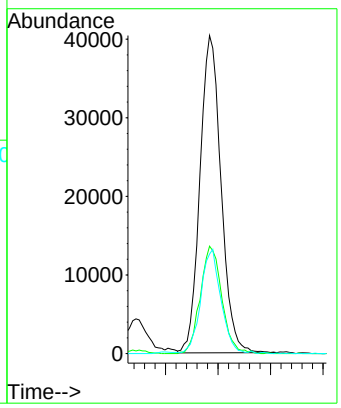


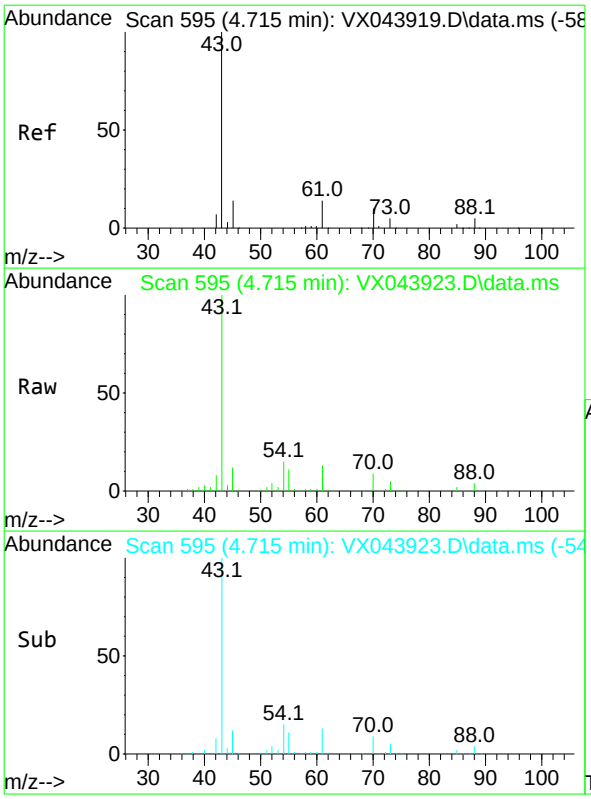


#36
1,1-Dichloropropene
Concen: 53.685 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 75 Resp: 112658

Ion	Ratio	Lower	Upper
75	100		
110	34.5	17.5	52.5
77	30.8	24.9	37.3

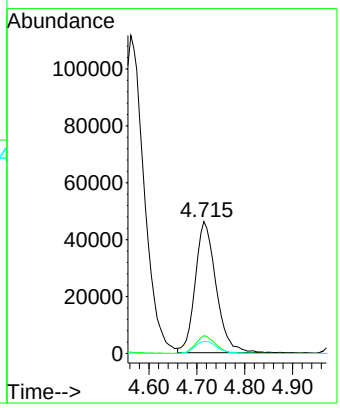




#37
Ethyl Acetate
Concen: 59.057 ug/l
RT: 4.715 min Scan# 59
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 43 Resp: 139478

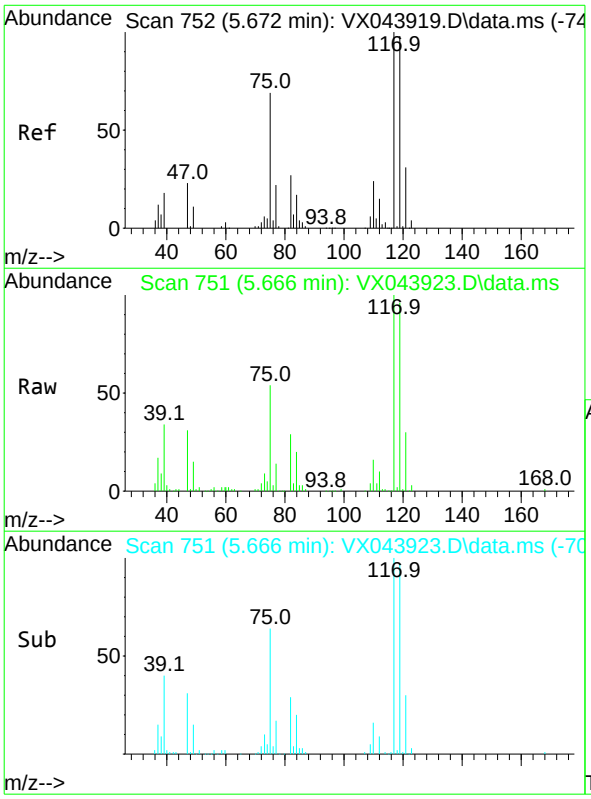
Ion	Ratio	Lower	Upper
43	100		
61	13.2	11.5	17.3
70	9.9	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
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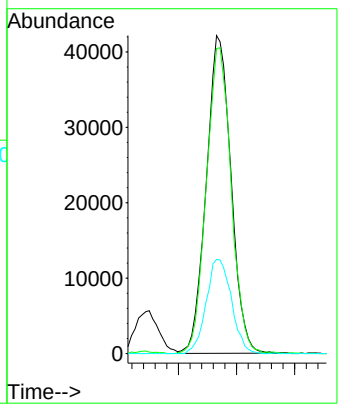
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

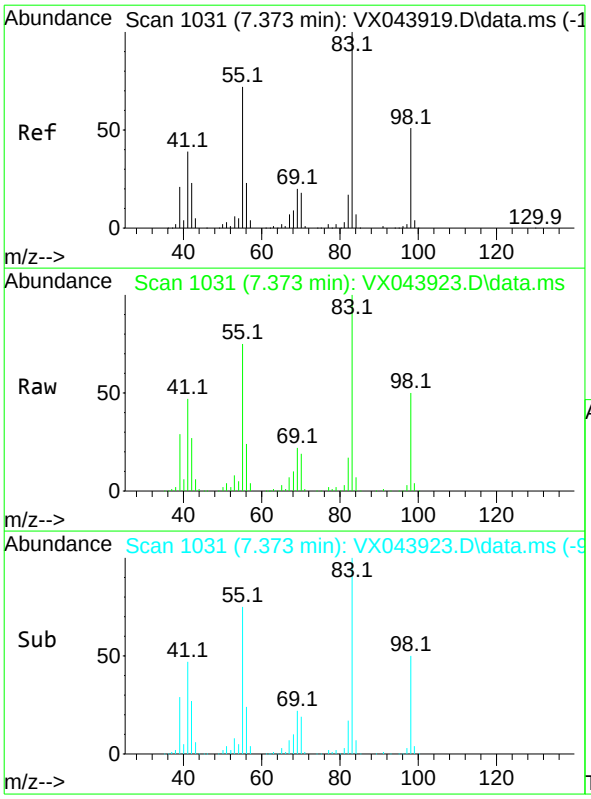


#38
Carbon Tetrachloride
Concen: 56.086 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion:117 Resp: 124606

Ion	Ratio	Lower	Upper
117	100		
119	95.8	78.3	117.5
121	29.6	25.1	37.7

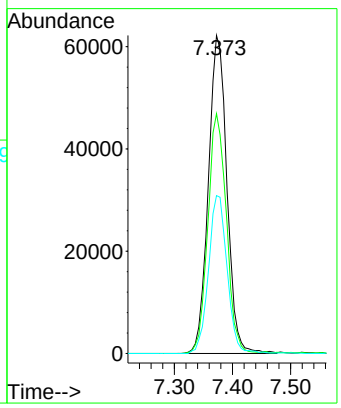




#39
Methylcyclohexane
Concen: 52.543 ug/l
RT: 7.373 min Scan# 10
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 83 Resp: 138032

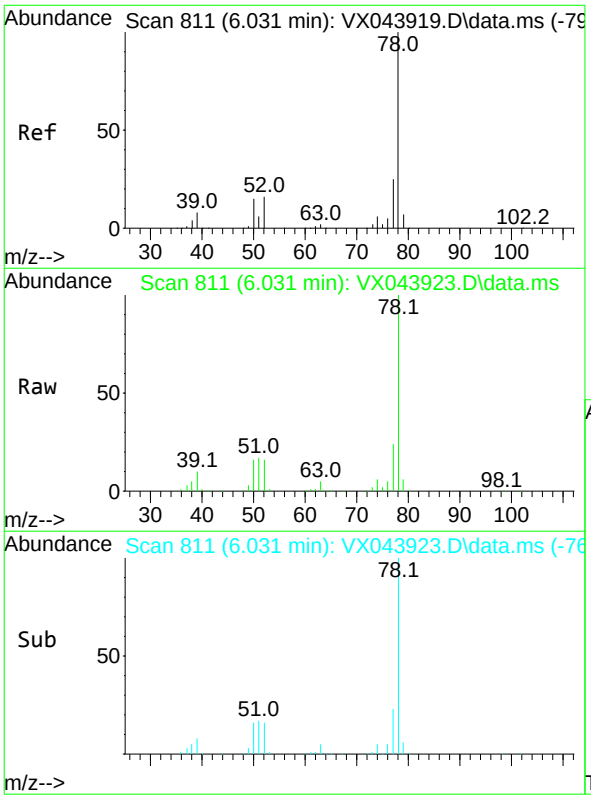
Ion	Ratio	Lower	Upper
83	100		
55	75.4	57.9	86.9
98	49.6	40.5	60.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
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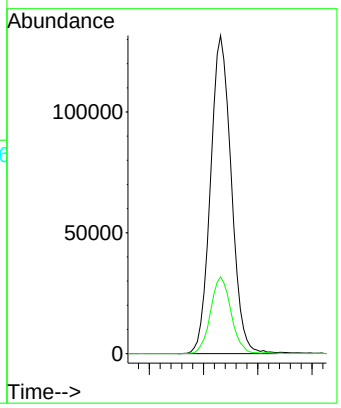
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

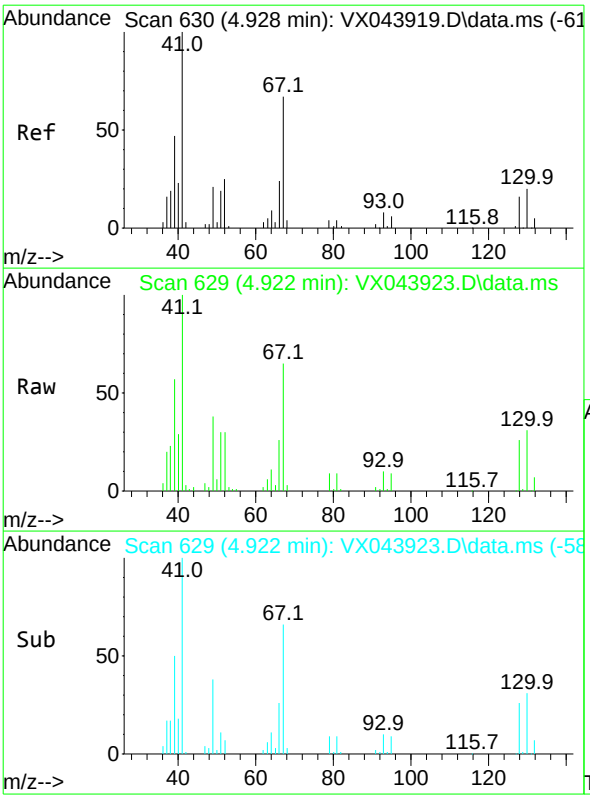


#40
Benzene
Concen: 53.028 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 78 Resp: 349857

Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.8	29.8

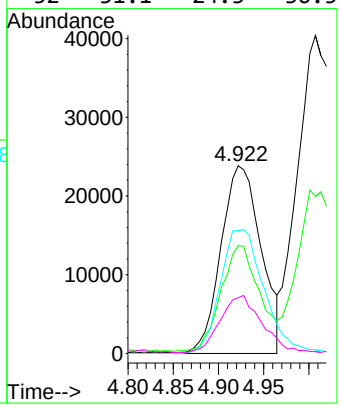




#41
Methacrylonitrile
Concen: 59.928 ug/l
RT: 4.922 min Scan# 62
Delta R.T. -0.006 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 41 Resp: 73757

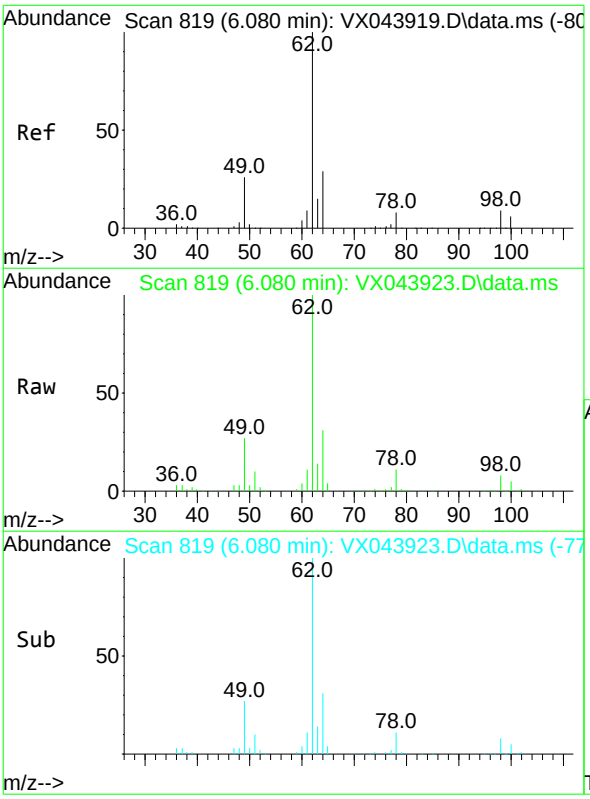
Ion	Ratio	Lower	Upper
41	100		
39	54.4	41.2	61.8
67	71.8	60.3	90.5
52	31.1	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
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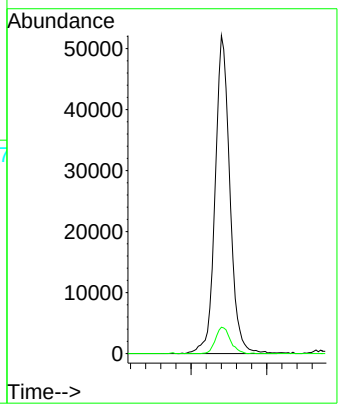
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

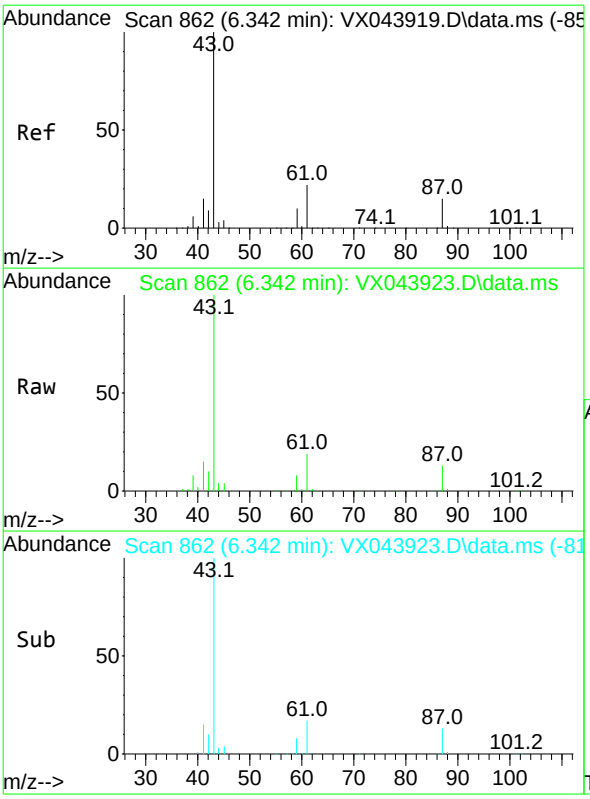


#42
1,2-Dichloroethane
Concen: 58.882 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 62 Resp: 141058

Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	18.6

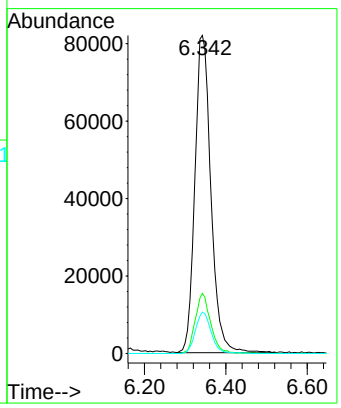




#43
Isopropyl Acetate
Concen: 60.266 ug/l
RT: 6.342 min Scan# 86
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 43 Resp: 224533

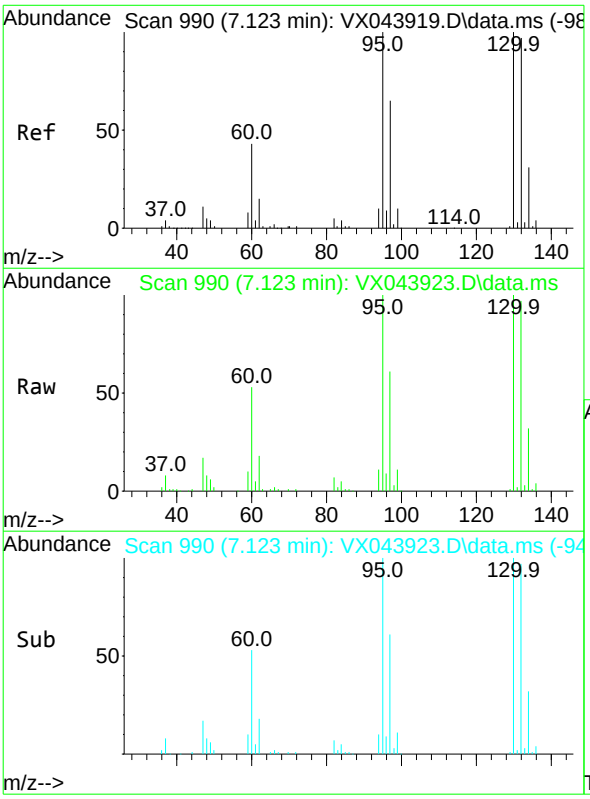
Ion	Ratio	Lower	Upper
43	100		
61	18.1	16.9	25.3
87	12.7	11.9	17.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

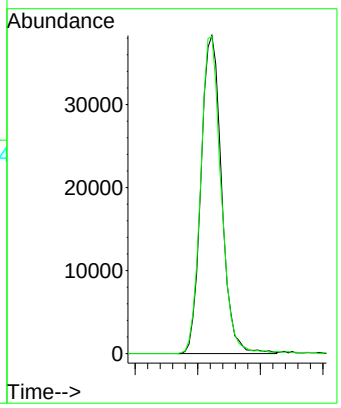
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

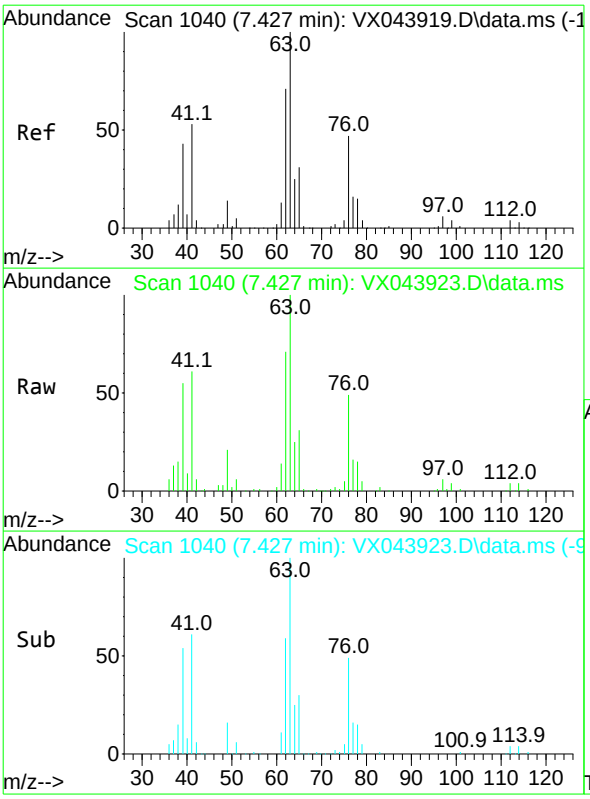


#44
Trichloroethene
Concen: 48.004 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion:130 Resp: 87313

Ion	Ratio	Lower	Upper
130	100		
95	99.7	0.0	200.8

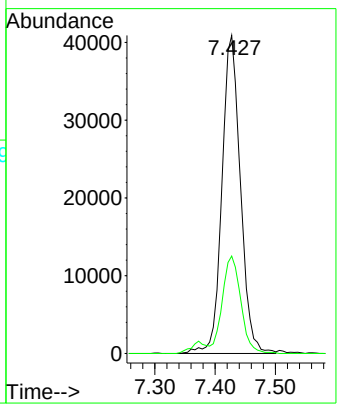




#45
1,2-Dichloropropane
Concen: 53.869 ug/l
RT: 7.427 min Scan# 10
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 63 Resp: 87107

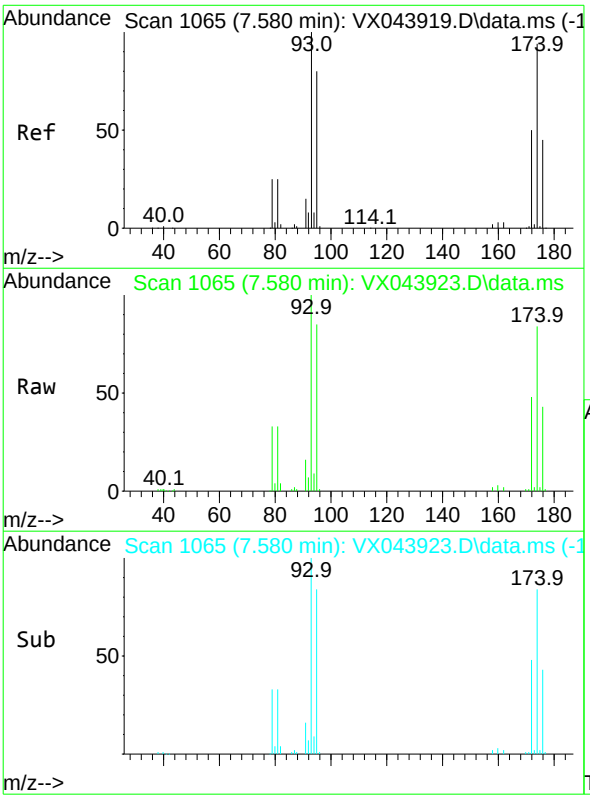
Ion	Ratio	Lower	Upper
63	100		
65	30.6	24.5	36.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
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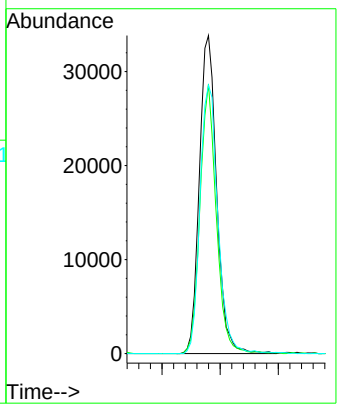
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

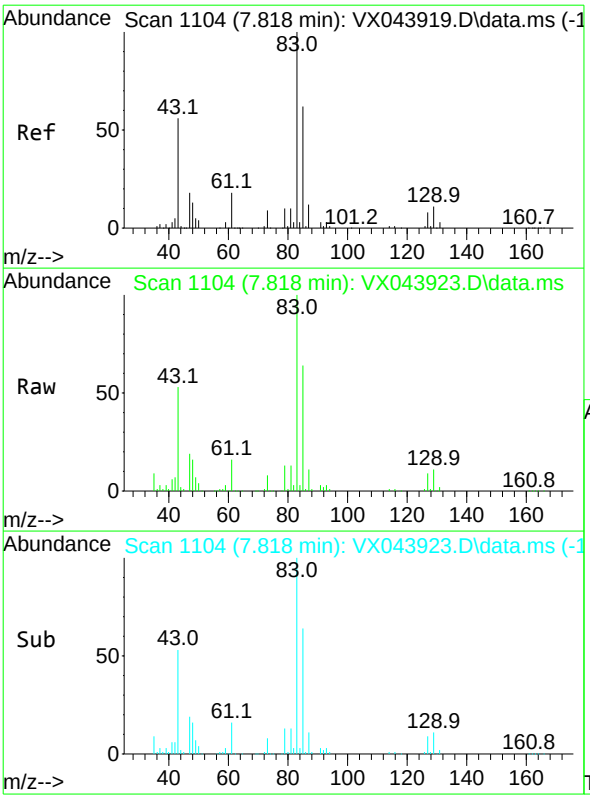


#46
Dibromomethane
Concen: 57.366 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 93 Resp: 69900

Ion	Ratio	Lower	Upper
93	100		
95	79.5	66.1	99.1
174	87.6	75.2	112.8

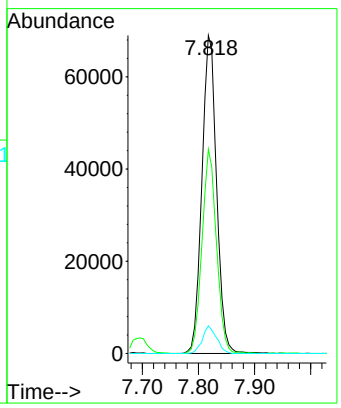




#47
Bromodichloromethane
Concen: 58.559 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 83 Resp: 125370

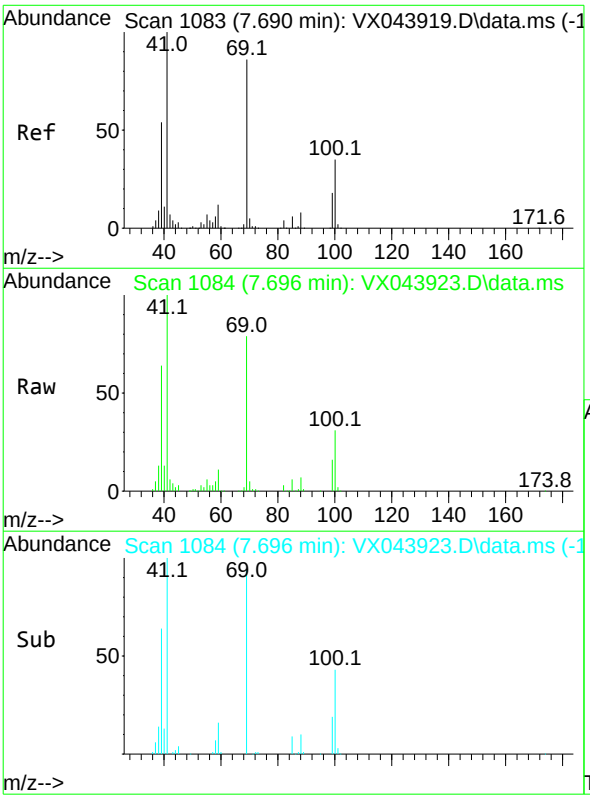
Ion	Ratio	Lower	Upper
83	100		
85	64.2	49.4	74.0
127	8.7	6.2	9.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations APPROVED

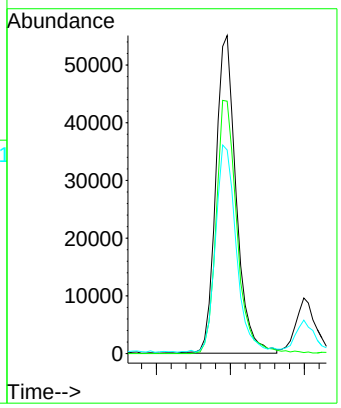
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

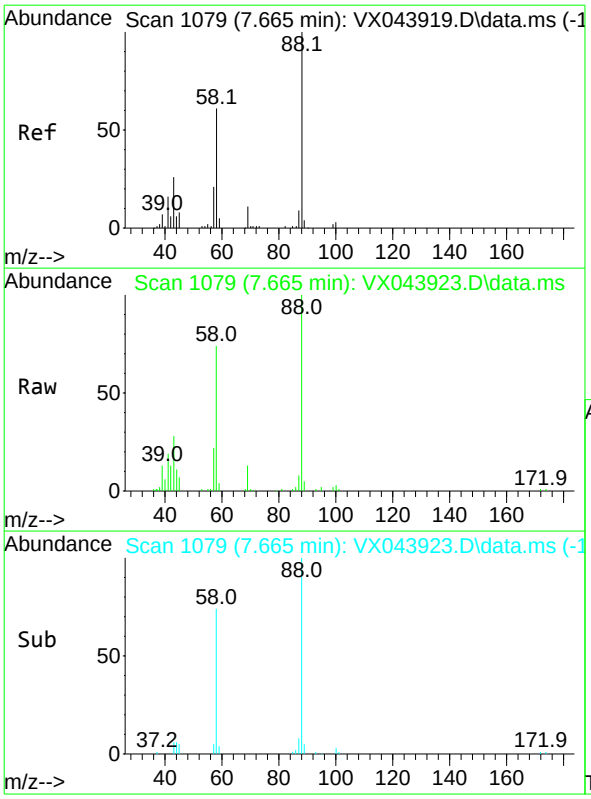


#48
Methyl methacrylate
Concen: 56.995 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 41 Resp: 105250

Ion	Ratio	Lower	Upper
41	100		
69	81.4	72.1	108.1
39	66.4	43.8	65.8#

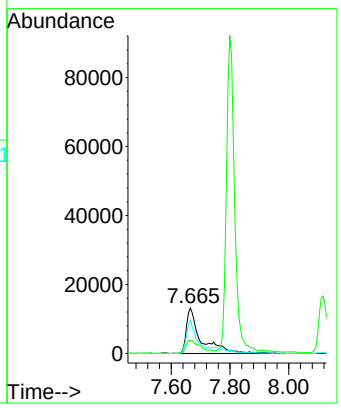




#49
1,4-Dioxane
Concen: 1161.399 ug/l m
RT: 7.665 min Scan# 10
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 88 Resp: 45681

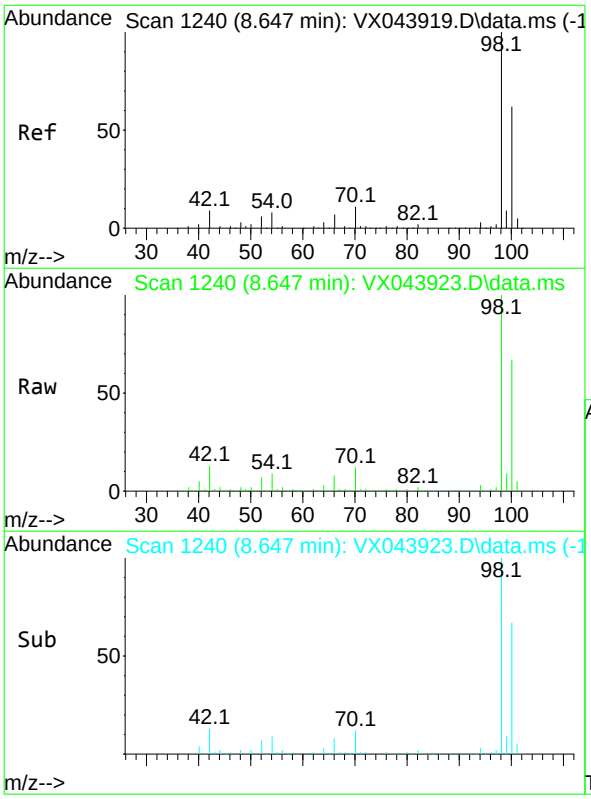
Ion	Ratio	Lower	Upper
88	100		
43	30.0	17.4	26.0#
58	49.2	41.0	61.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

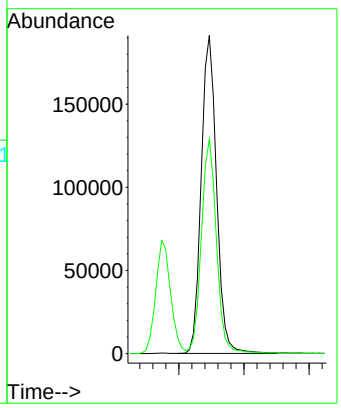
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

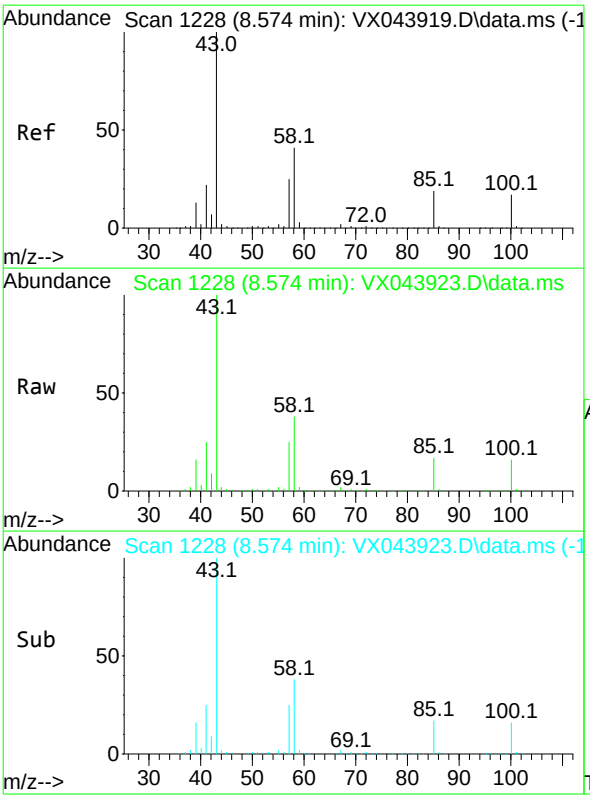


#50
Toluene-d8
Concen: 55.587 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 98 Resp: 312682

Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.0	79.6

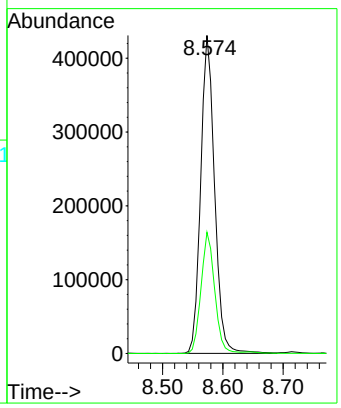




#51
4-Methyl-2-Pentanone
Concen: 296.806 ug/l
RT: 8.574 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 43 Resp: 689501

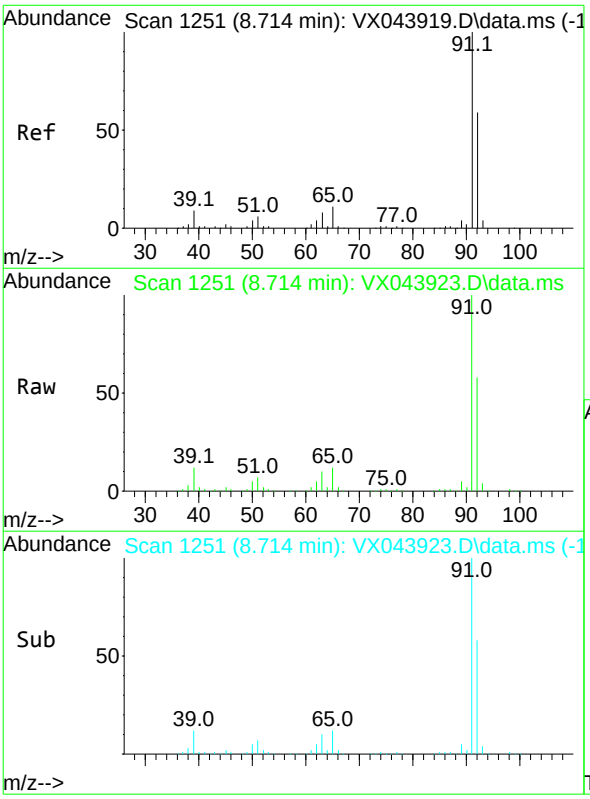
Ion	Ratio	Lower	Upper
43	100		
58	37.4	32.4	48.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

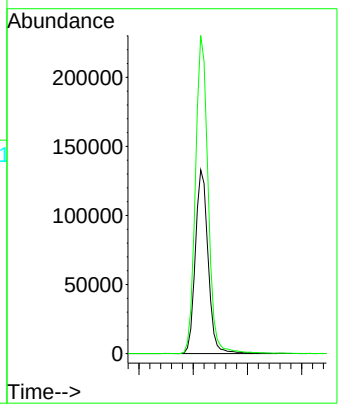
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

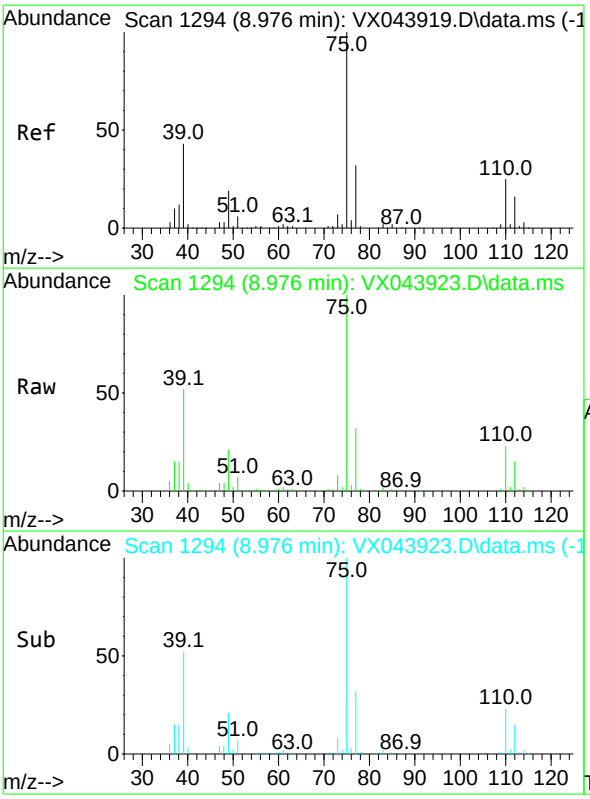


#52
Toluene
Concen: 57.032 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 92 Resp: 217080

Ion	Ratio	Lower	Upper
92	100		
91	171.9	136.2	204.4

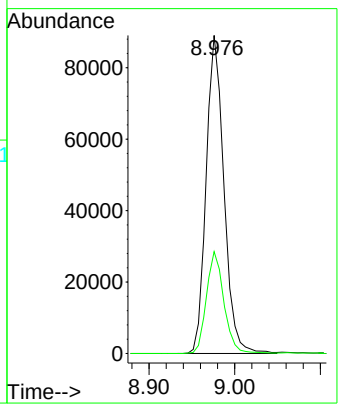




#53
t-1,3-Dichloropropene
Concen: 59.078 ug/l
RT: 8.976 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 75 Resp: 128331

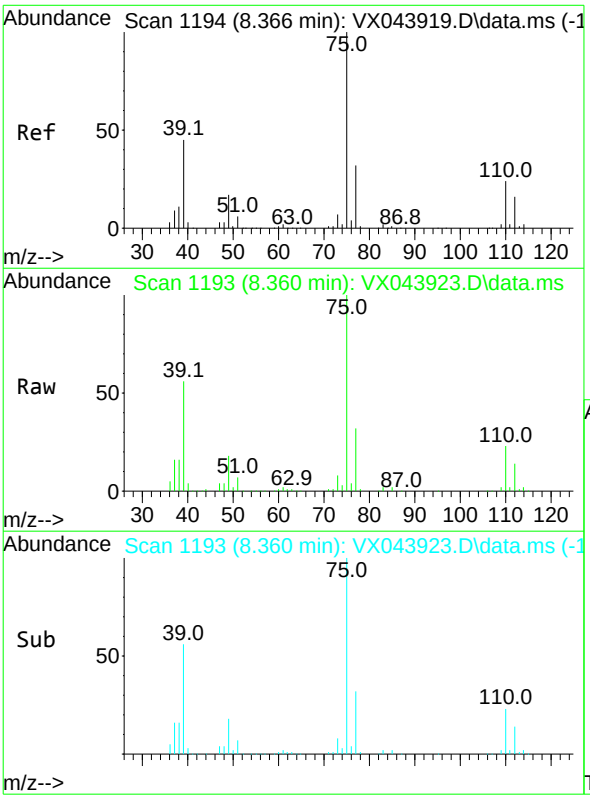
Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

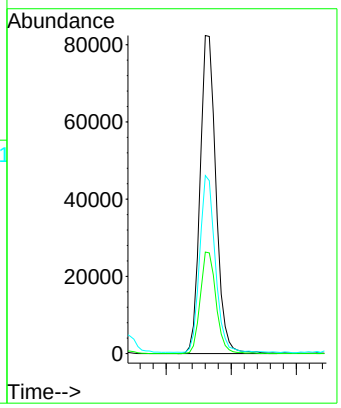
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

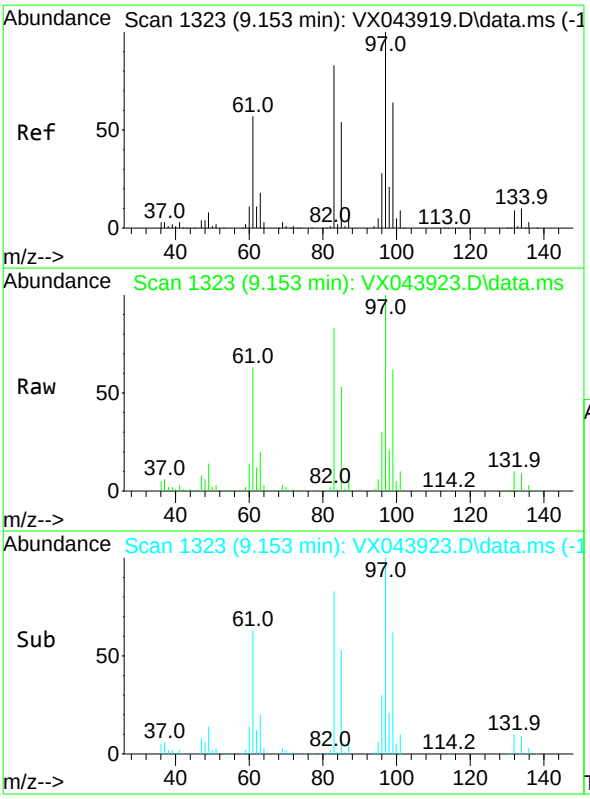


#54
cis-1,3-Dichloropropene
Concen: 56.813 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 75 Resp: 139851

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.2
39	55.5	36.1	54.1#

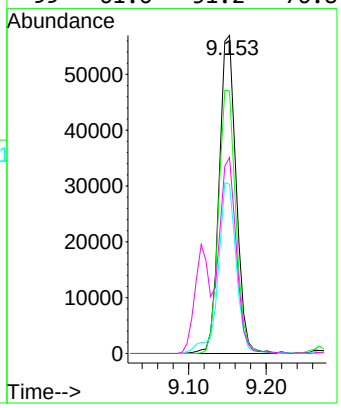




#55
1,1,2-Trichloroethane
Concen: 58.565 ug/l
RT: 9.153 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 97 Resp: 86975

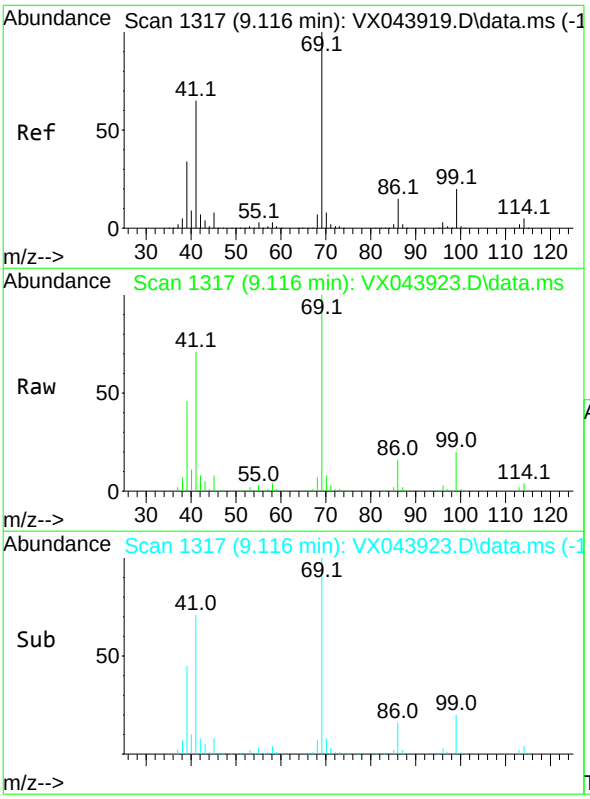
Ion	Ratio	Lower	Upper
97	100		
83	82.6	66.5	99.7
85	53.2	43.4	65.2
99	61.6	51.2	76.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations APPROVED

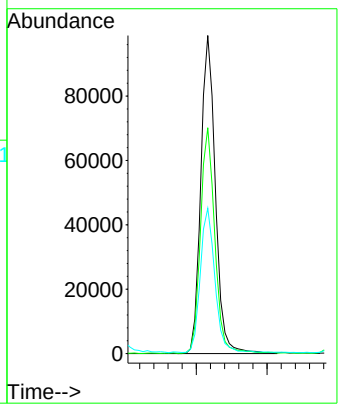
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

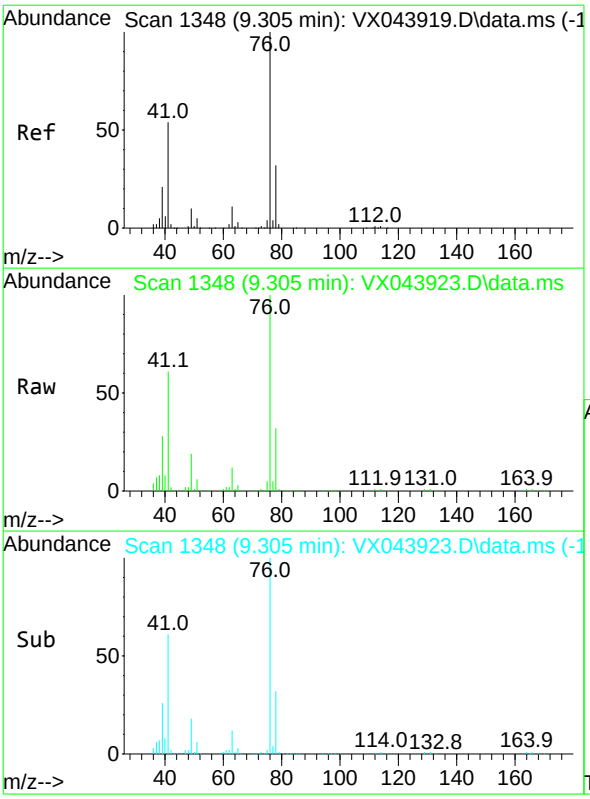


#56
Ethyl methacrylate
Concen: 60.268 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 69 Resp: 141716

Ion	Ratio	Lower	Upper
69	100		
41	69.5	51.7	77.5
39	45.7	26.8	40.2#

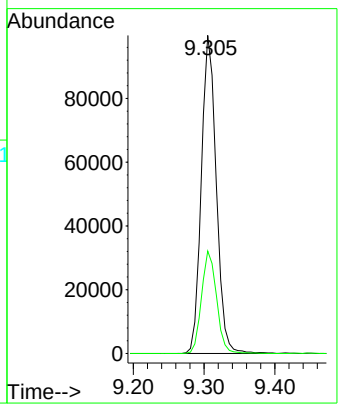




#57
1,3-Dichloropropane
Concen: 58.860 ug/l
RT: 9.305 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 76 Resp: 146448

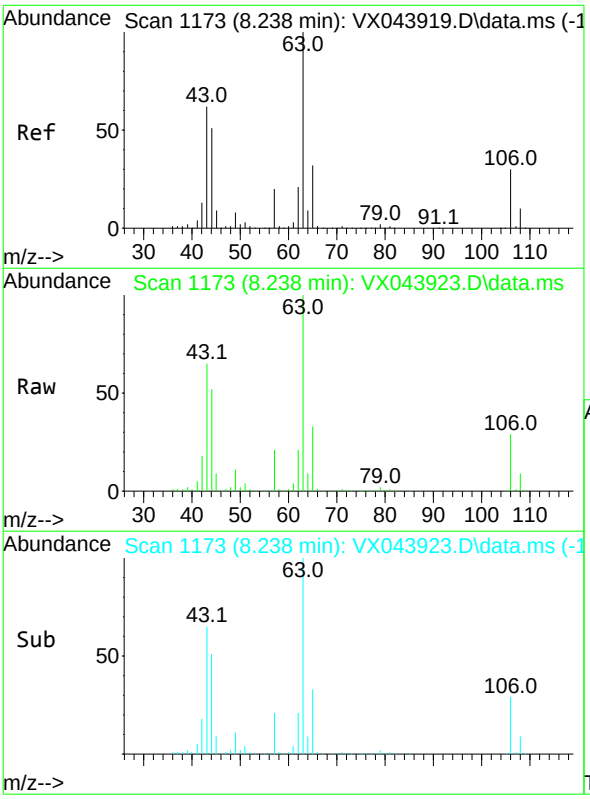
Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

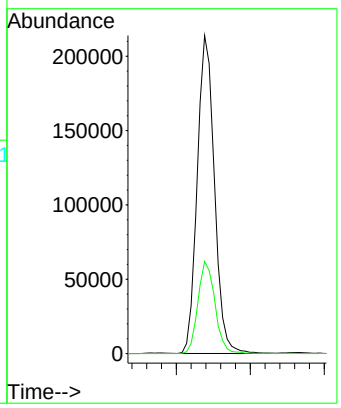
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

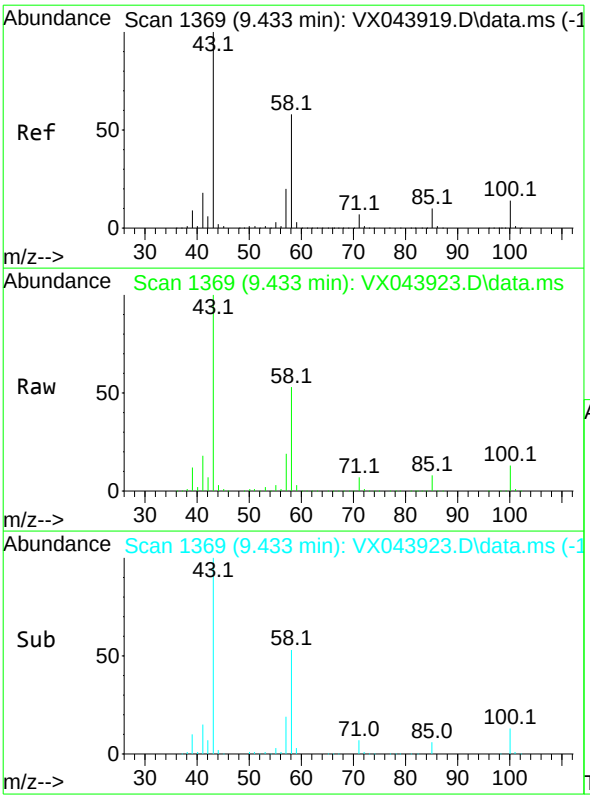


#58
2-Chloroethyl Vinyl ether
Concen: 280.598 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 63 Resp: 346010

Ion	Ratio	Lower	Upper
63	100		
106	28.7	23.8	35.6

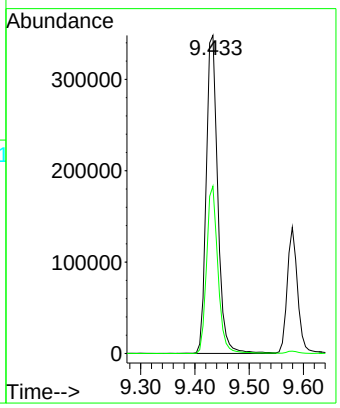




#59
2-Hexanone
Concen: 313.432 ug/l
RT: 9.433 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 43 Resp: 513732

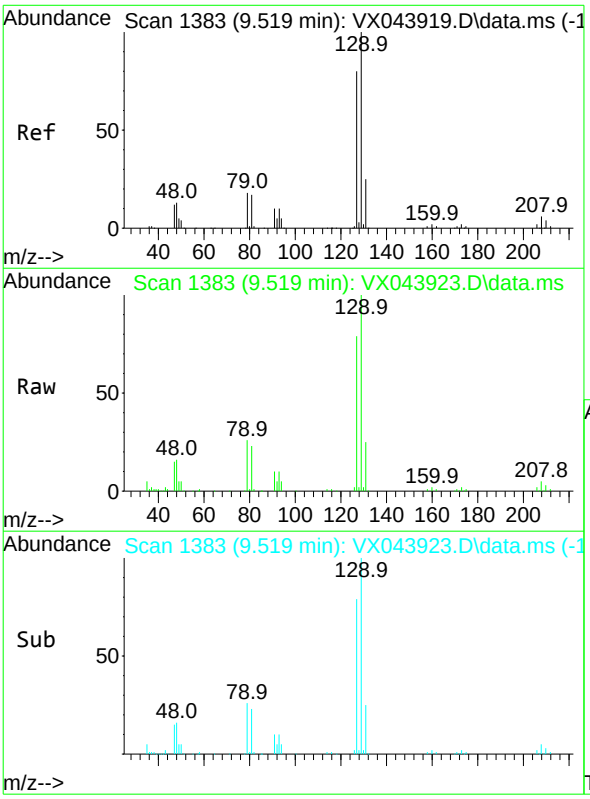
Ion	Ratio	Lower	Upper
43	100		
58	52.0	28.3	84.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

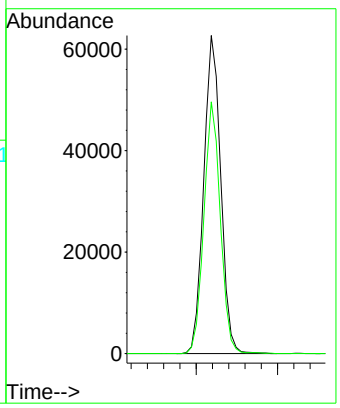
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

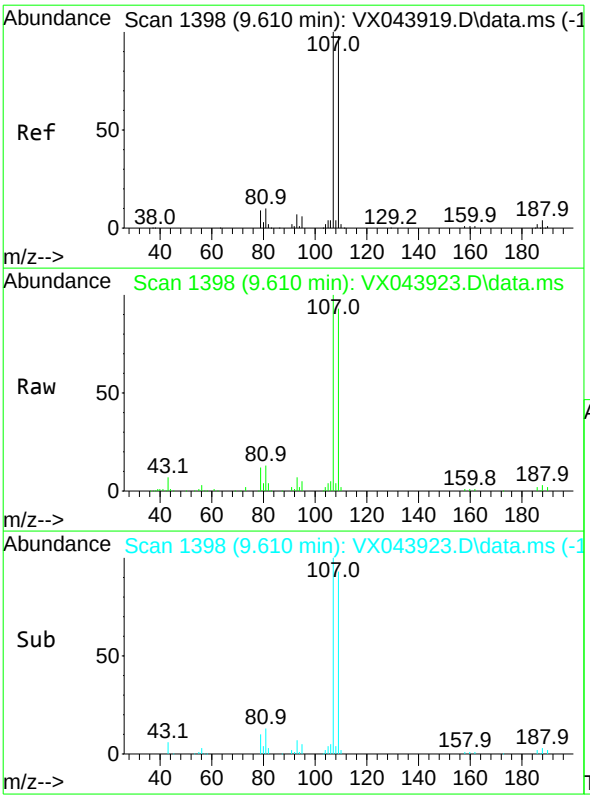


#60
Dibromochloromethane
Concen: 62.789 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion:129 Resp: 90863

Ion	Ratio	Lower	Upper
129	100		
127	76.7	38.6	115.8

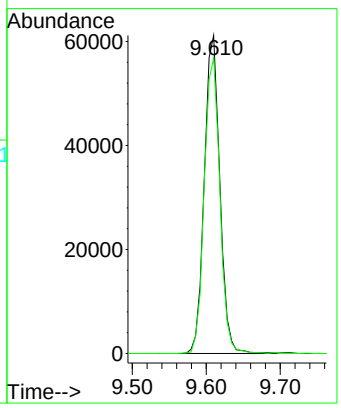




#61
1,2-Dibromoethane
Concen: 57.509 ug/l
RT: 9.610 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion:107 Resp: 89087

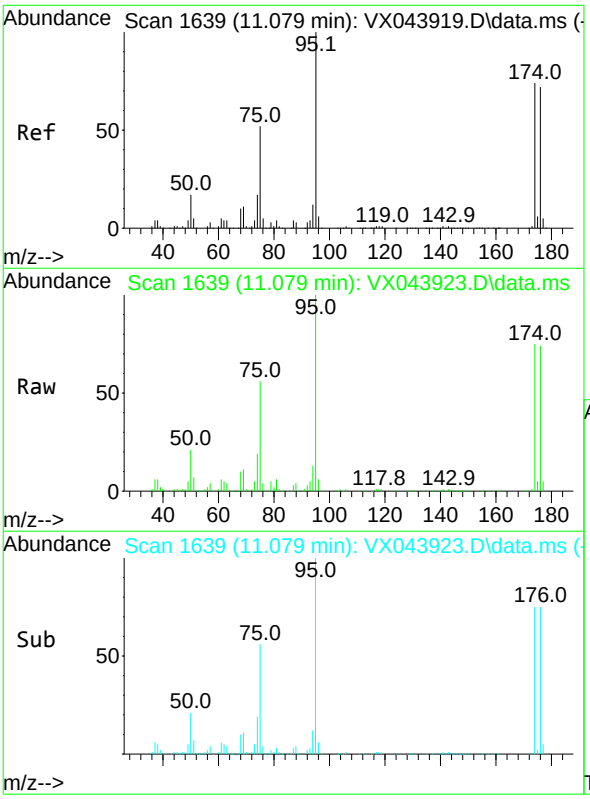
Ion	Ratio	Lower	Upper
107	100		
109	93.5	76.2	114.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

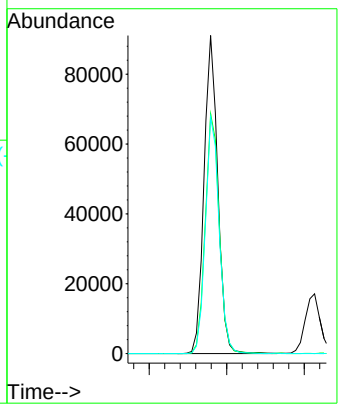
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

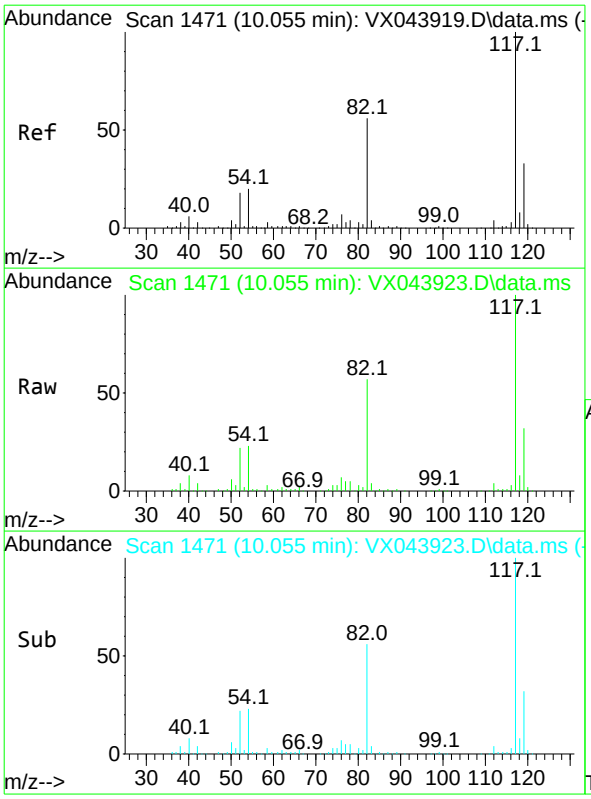


#62
4-Bromofluorobenzene
Concen: 60.492 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 95 Resp: 112440

Ion	Ratio	Lower	Upper
95	100		
174	76.6	0.0	152.2
176	74.2	0.0	145.8

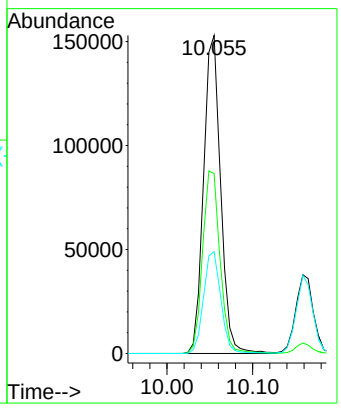




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion:117 Resp: 211620

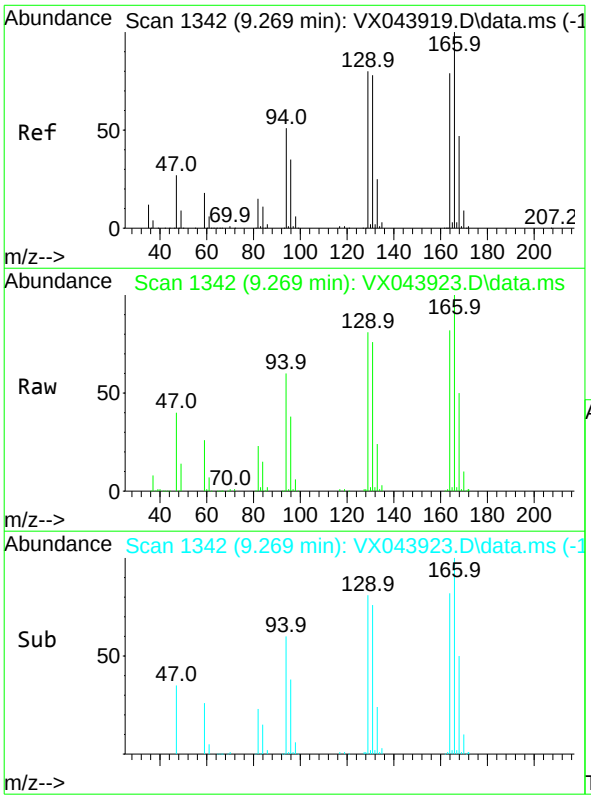
Ion	Ratio	Lower	Upper
117	100		
82	56.5	44.6	67.0
119	32.0	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

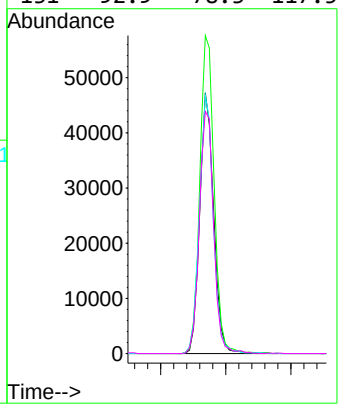
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

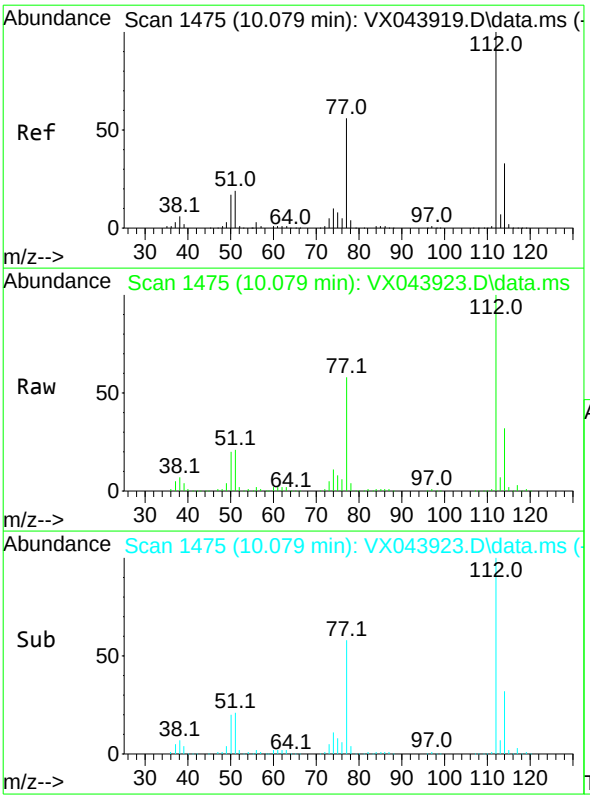


#64
Tetrachloroethene
Concen: 51.529 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion:164 Resp: 69945

Ion	Ratio	Lower	Upper
164	100		
166	122.0	100.9	151.3
129	99.0	80.3	120.5
131	92.9	78.3	117.5

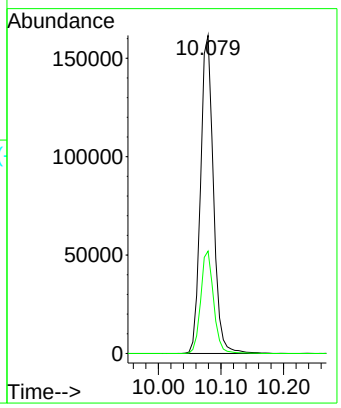




#65
Chlorobenzene
Concen: 52.143 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion:112 Resp: 230498

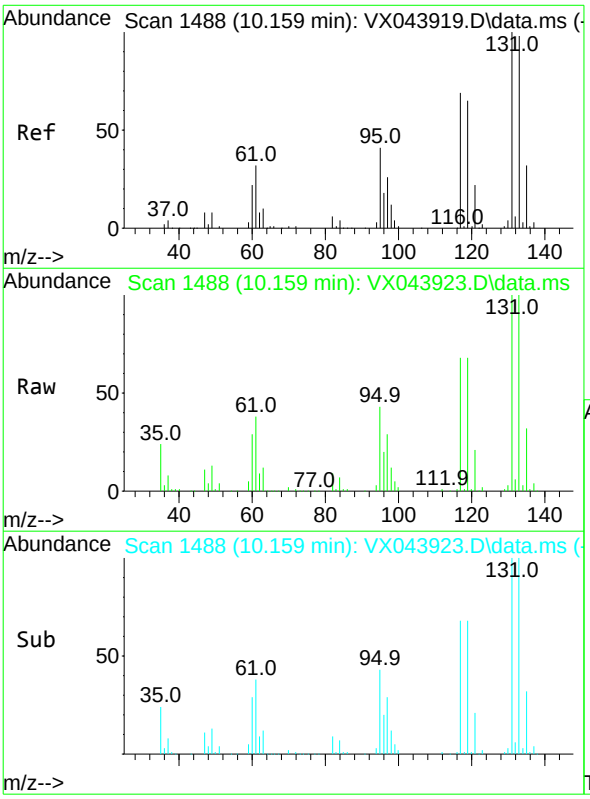
Ion	Ratio	Lower	Upper
112	100		
114	32.2	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

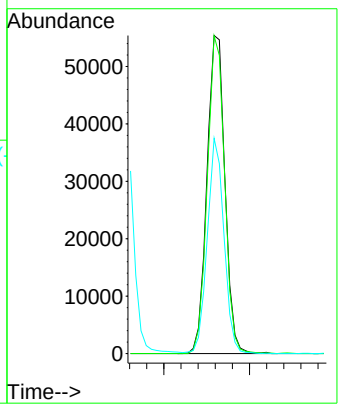
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

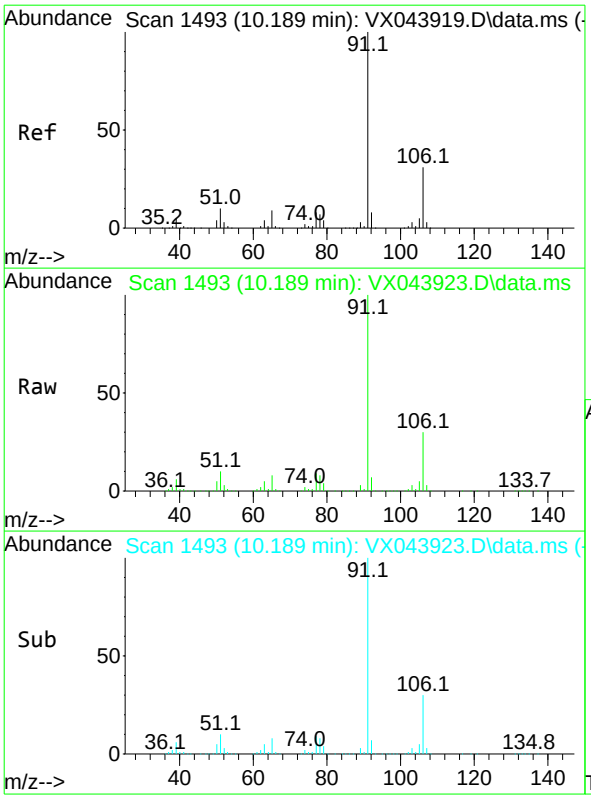


#66
1,1,1,2-Tetrachloroethane
Concen: 54.848 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion:131 Resp: 80691

Ion	Ratio	Lower	Upper
131	100		
133	95.9	48.8	146.3
119	62.8	32.9	98.7





#67
Ethyl Benzene
Concen: 54.424 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

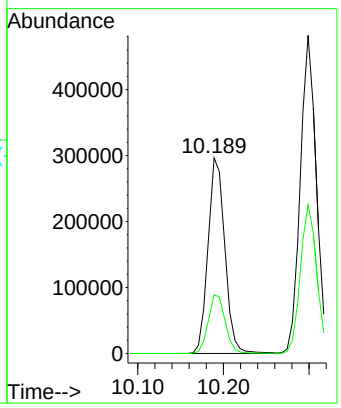
Tgt Ion: 91 Resp: 404866

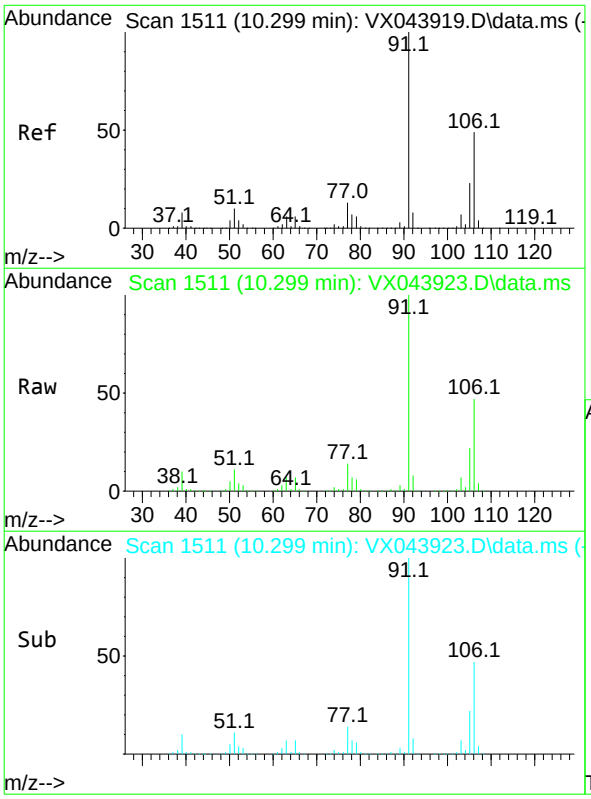
Ion	Ratio	Lower	Upper
91	100		
106	30.1	25.0	37.4

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

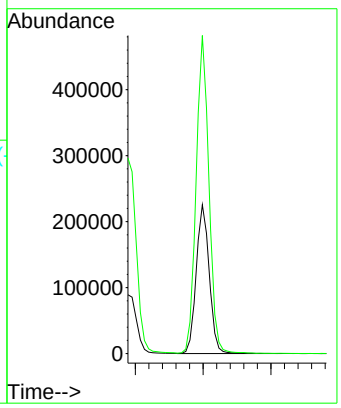


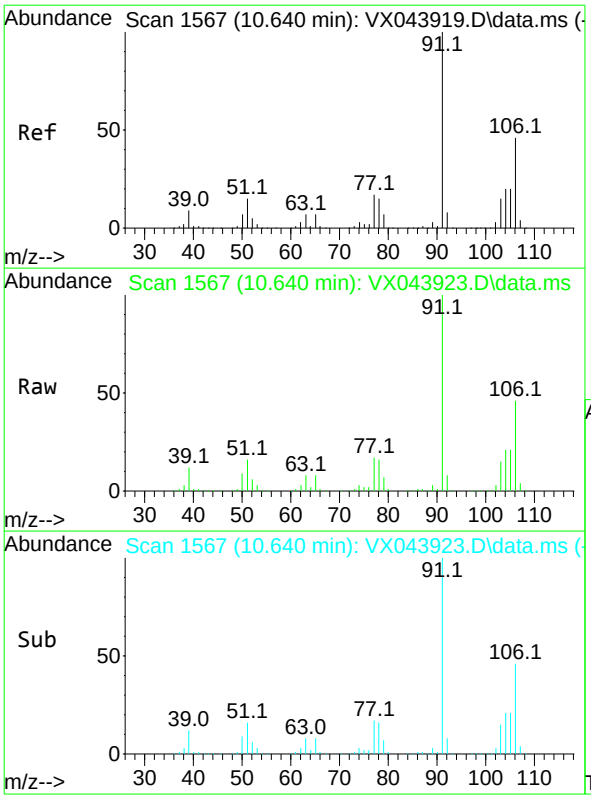


#68
m/p-Xylenes
Concen: 108.500 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion:106 Resp: 300638

Ion	Ratio	Lower	Upper
106	100		
91	209.6	163.3	244.9





#69
o-Xylene
Concen: 55.404 ug/l
RT: 10.640 min Scan# 15
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

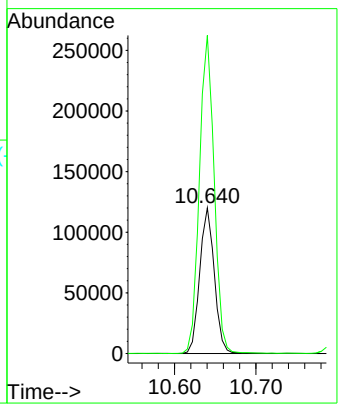
Tgt Ion:106 Resp: 149788

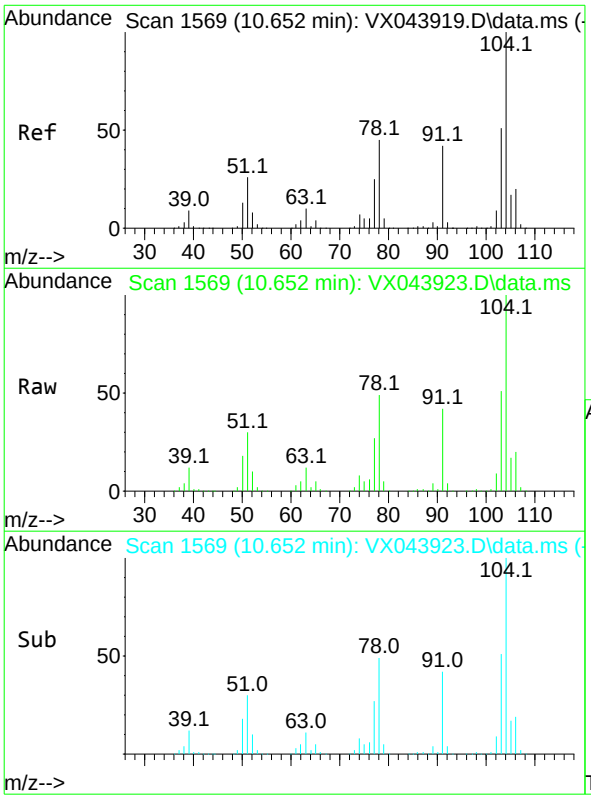
Ion	Ratio	Lower	Upper
106	100		
91	220.6	109.6	328.6

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

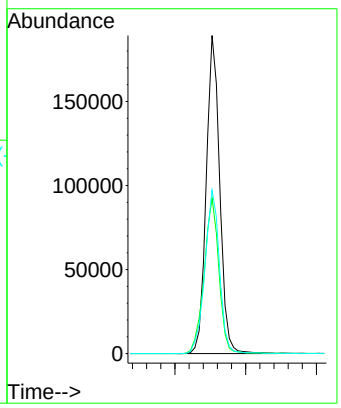


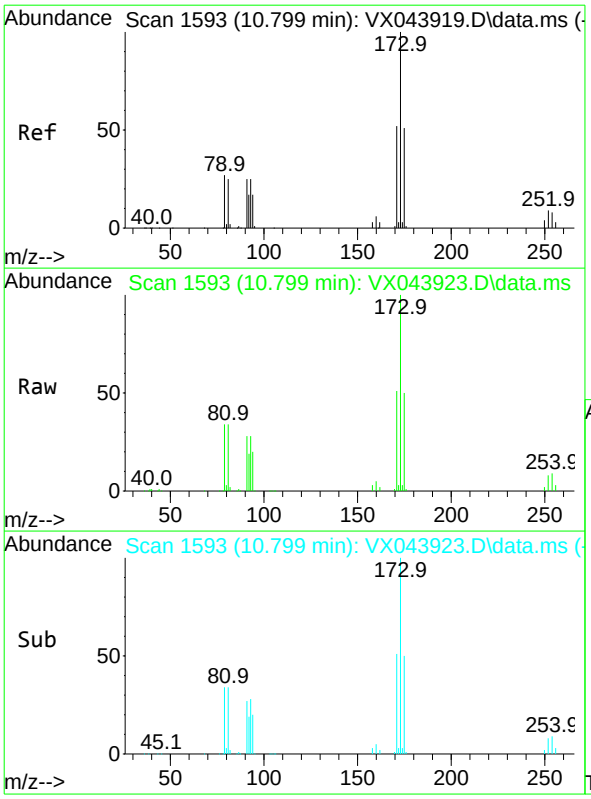


#70
Styrene
Concen: 56.236 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion:104 Resp: 250564

Ion	Ratio	Lower	Upper
104	100		
78	53.6	40.3	60.5
103	55.6	43.9	65.9

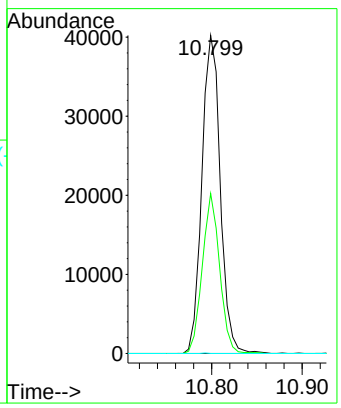




#71
Bromoform
Concen: 49.198 ug/l
RT: 10.799 min Scan# 15
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion:173 Resp: 56733

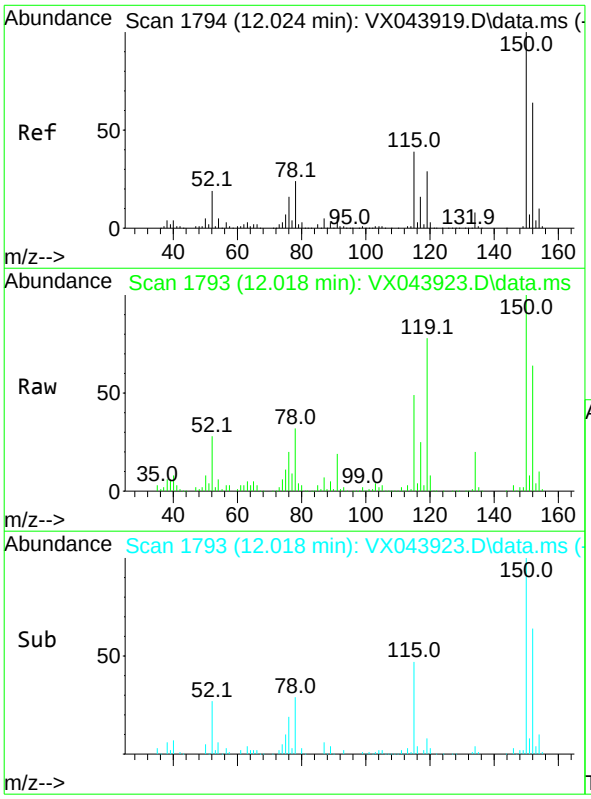
Ion	Ratio	Lower	Upper
173	100		
175	47.4	24.6	73.8
254	0.0	0.1	0.1#



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
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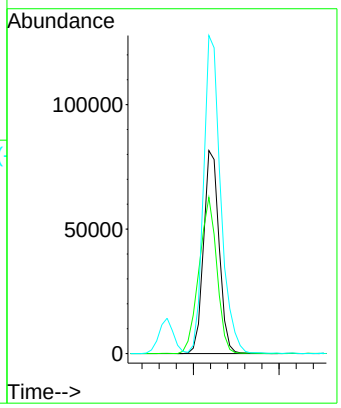
Reviewed By :John Carlone 11/21/2024
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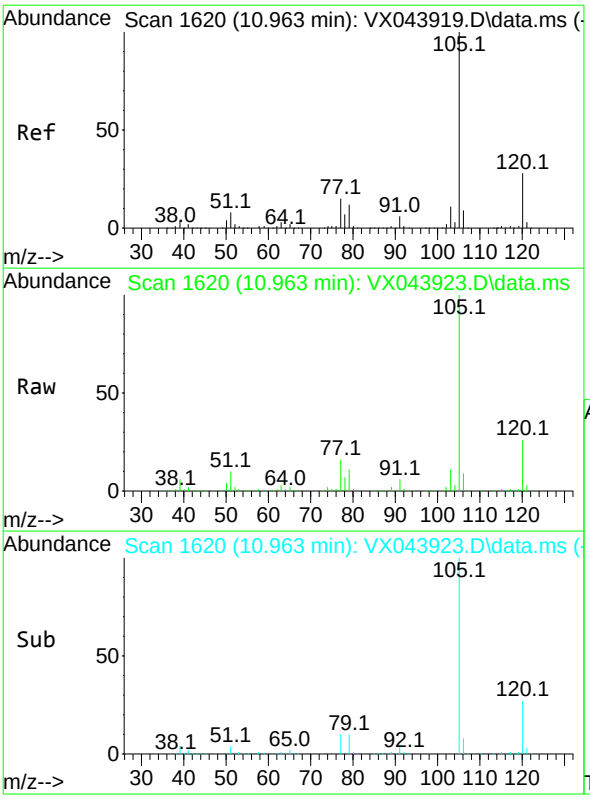


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion:152 Resp: 102312

Ion	Ratio	Lower	Upper
152	100		
115	88.7	42.1	126.3
150	173.3	0.0	348.2

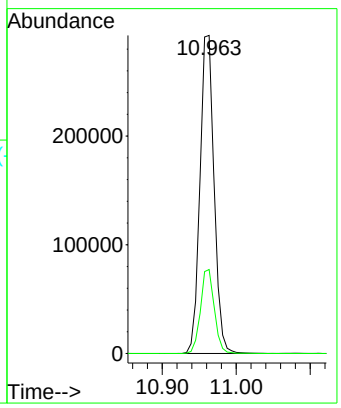




#73
Isopropylbenzene
Concen: 53.117 ug/l
RT: 10.963 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion:105 Resp: 387920

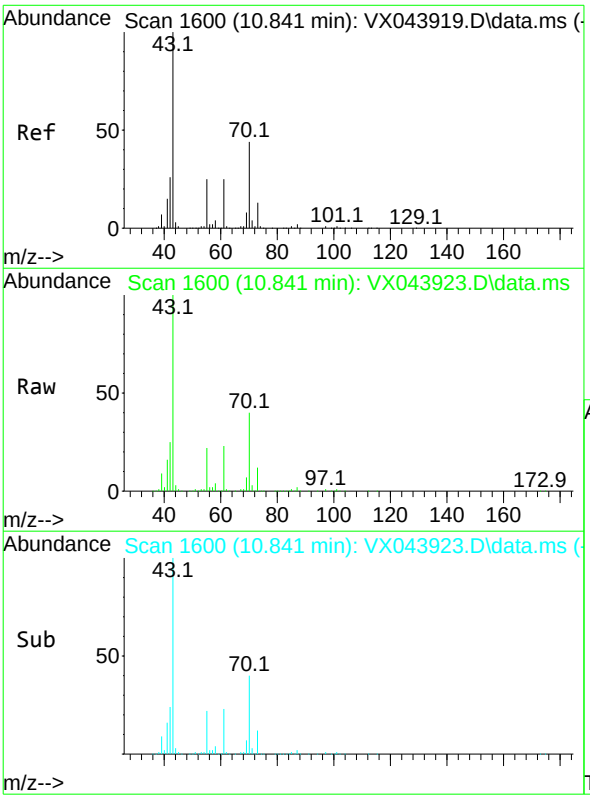
Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.3	39.8



Instrument :
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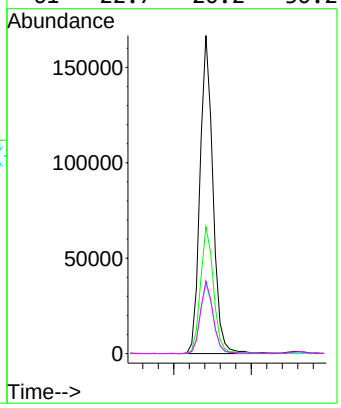
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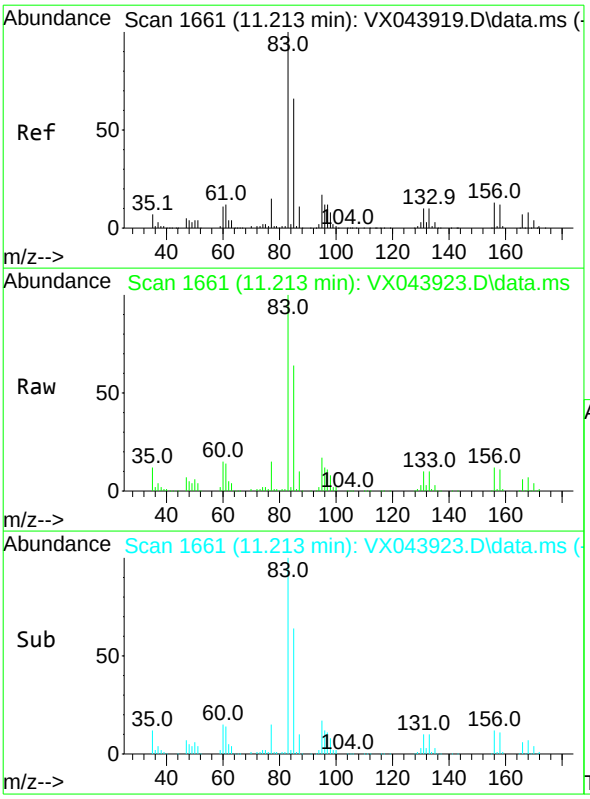


#74
N-amyl acetate
Concen: 51.587 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 43 Resp: 193137

Ion	Ratio	Lower	Upper
43	100		
70	40.1	36.5	54.7
55	22.2	19.6	29.4
61	22.7	20.2	30.2

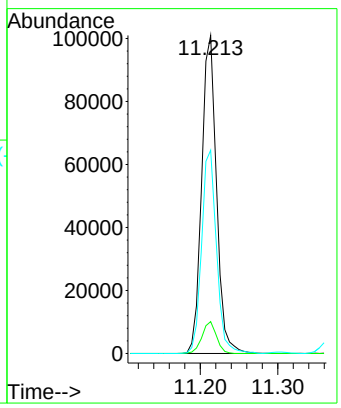




#75
1,1,2,2-Tetrachloroethane
Concen: 54.391 ug/l
RT: 11.213 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 83 Resp: 134303

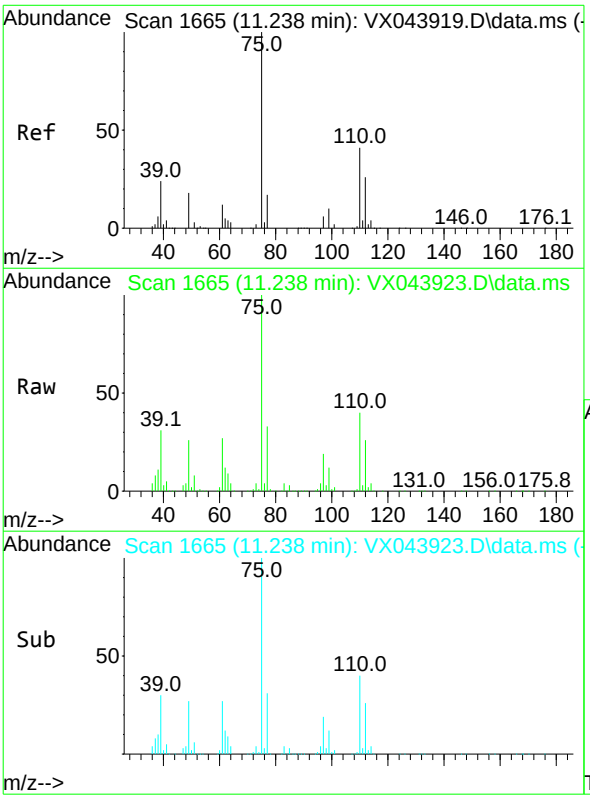
Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.1	15.3
85	64.2	32.3	96.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

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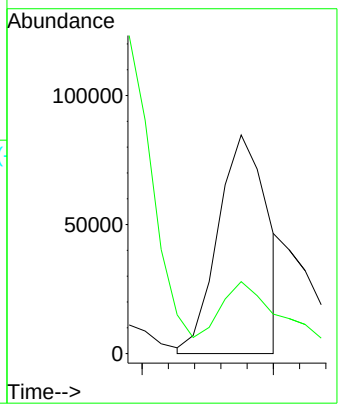
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

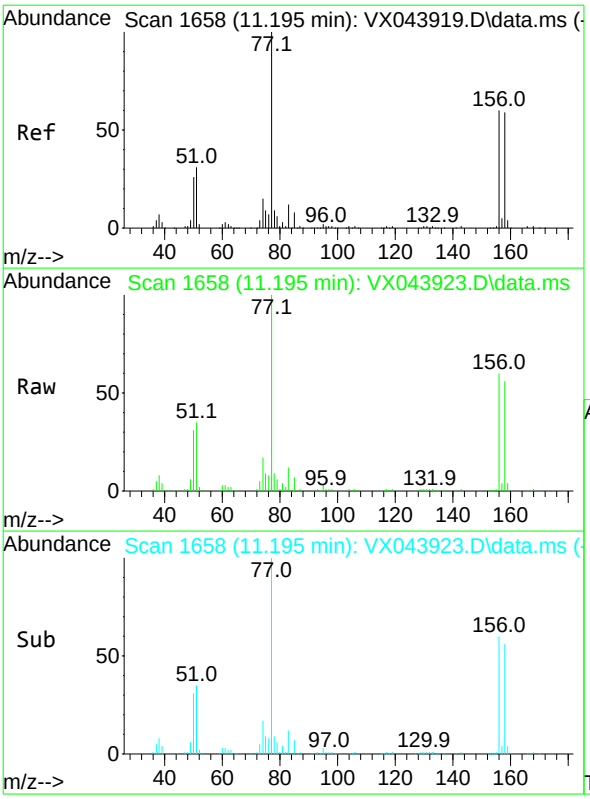


#76
1,2,3-Trichloropropane
Concen: 53.071 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 75 Resp: 110813

Ion	Ratio	Lower	Upper
75	100		
77	42.9	22.4	67.0

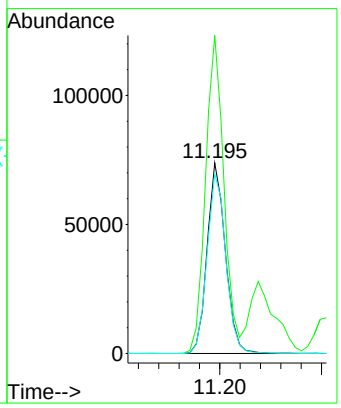




#77
Bromobenzene
Concen: 51.501 ug/l
RT: 11.195 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion:156 Resp: 92179

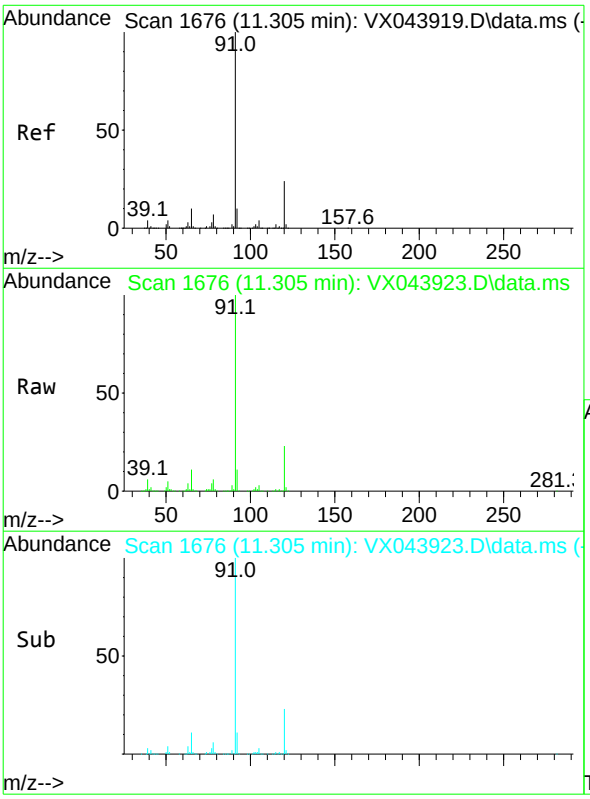
Ion	Ratio	Lower	Upper
156	100		
77	167.2	81.2	243.6
158	96.9	48.6	145.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
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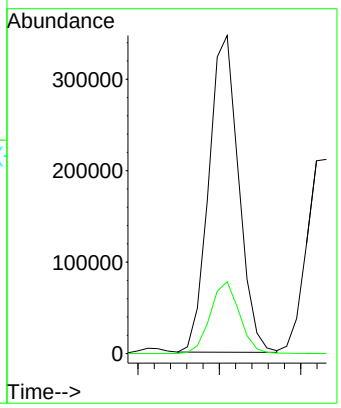
Reviewed By :John Carlone 11/21/2024
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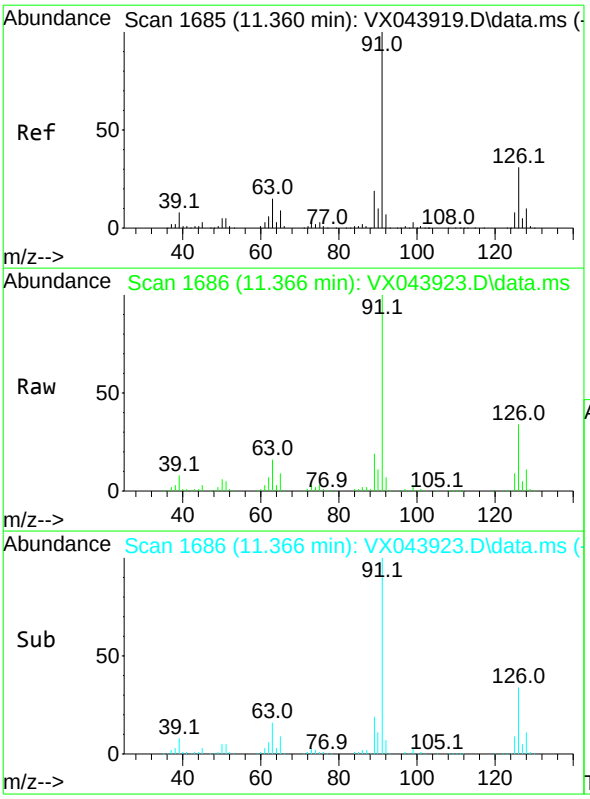


#78
n-propylbenzene
Concen: 54.835 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 91 Resp: 441866

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.5	34.5

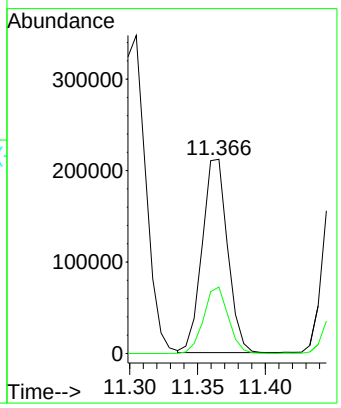




#79
2-Chlorotoluene
Concen: 54.025 ug/l
RT: 11.366 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 91 Resp: 277003

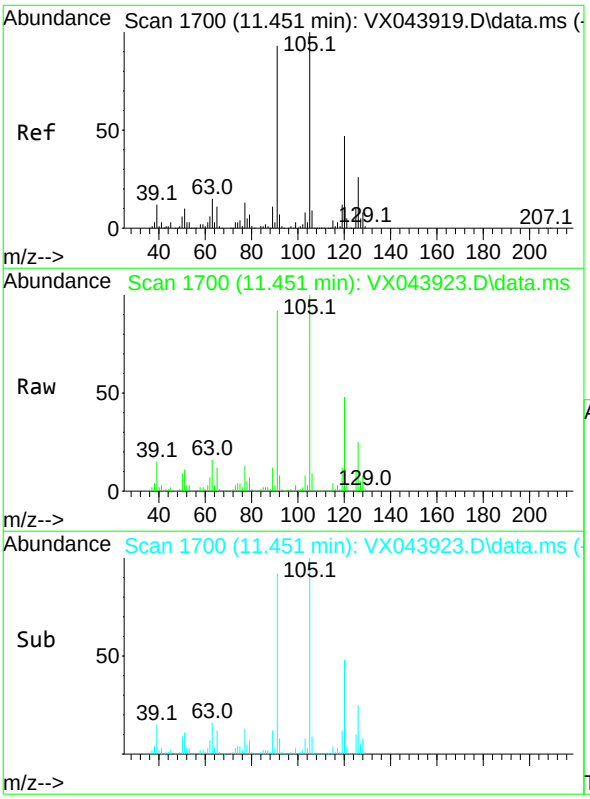
Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

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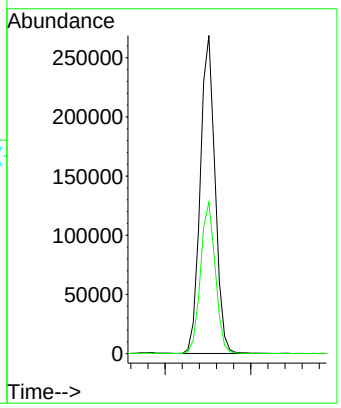
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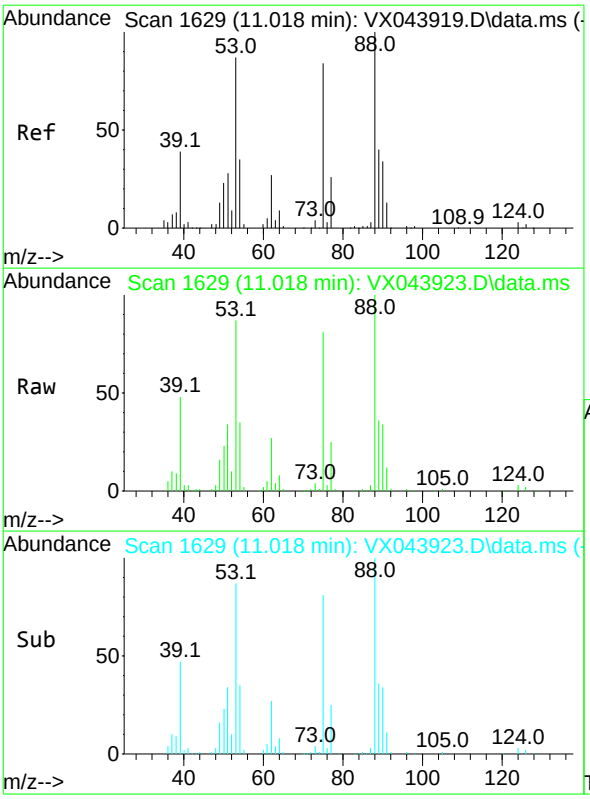


#80
1,3,5-Trimethylbenzene
Concen: 53.291 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion:105 Resp: 322601

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.8	71.5





#81
trans-1,4-Dichloro-2-butene
Concen: 48.469 ug/l
RT: 11.018 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

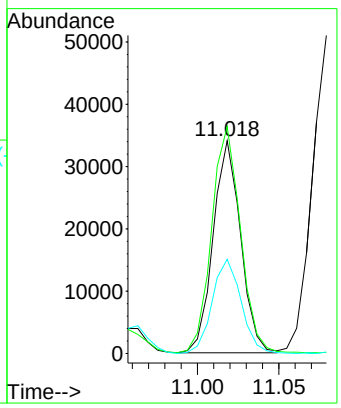
Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

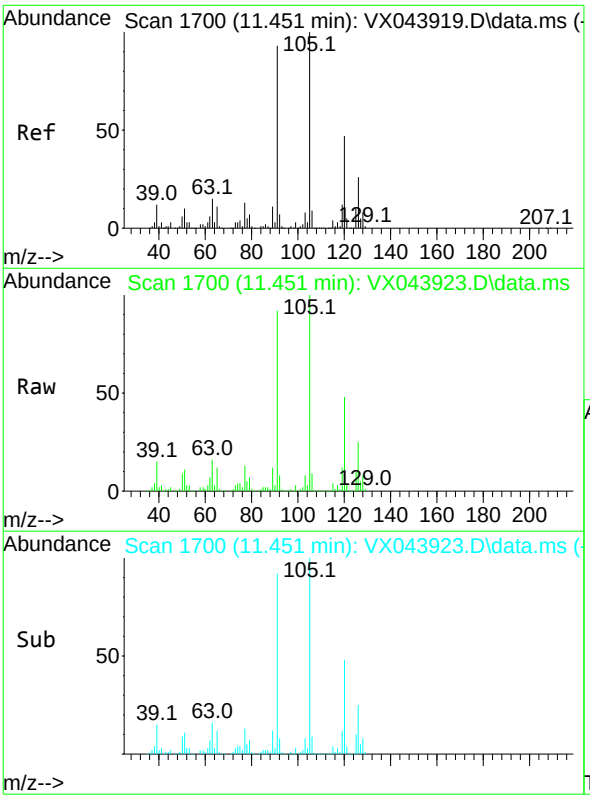
Tgt Ion: 75 Resp: 39924

Ion	Ratio	Lower	Upper
75	100		
53	111.9	81.7	122.5
89	46.9	38.6	57.8

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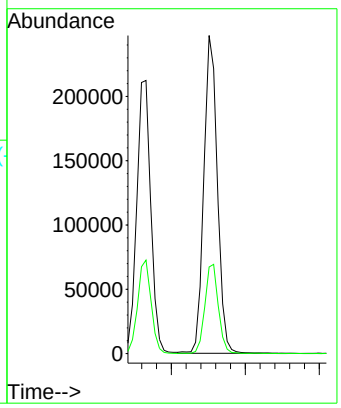


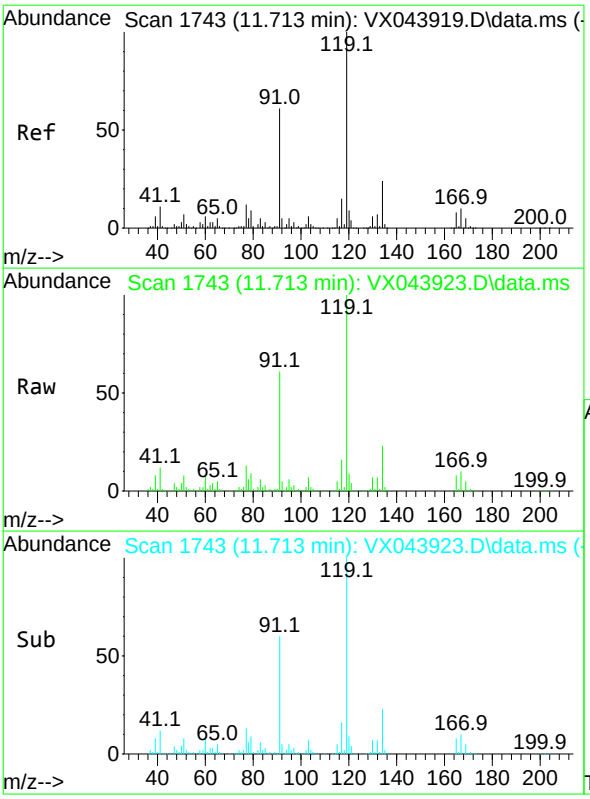


#82
4-Chlorotoluene
Concen: 53.165 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 91 Resp: 313937

Ion	Ratio	Lower	Upper
91	100		
126	27.9	14.4	43.2





#83
tert-Butylbenzene
Concen: 51.719 ug/l
RT: 11.713 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

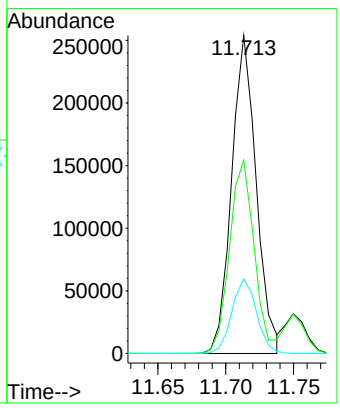
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ClientSampleId :
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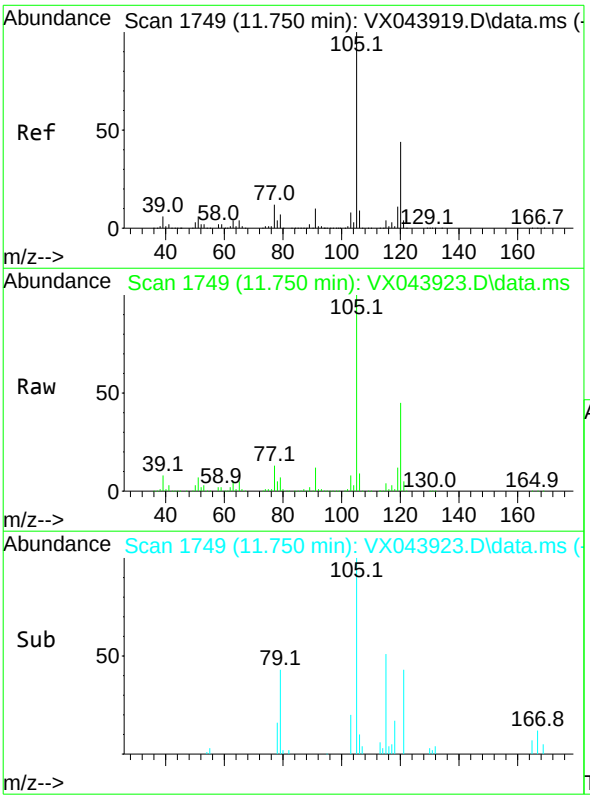
Tgt Ion:119 Resp: 320262

Ion	Ratio	Lower	Upper
119	100		
91	61.3	29.5	88.6
134	23.5	11.8	35.3

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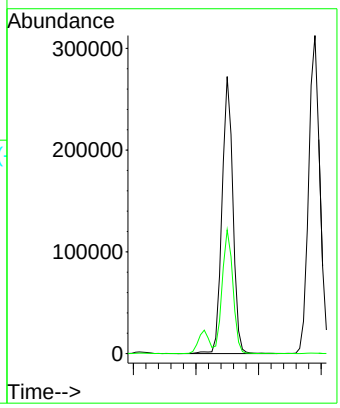


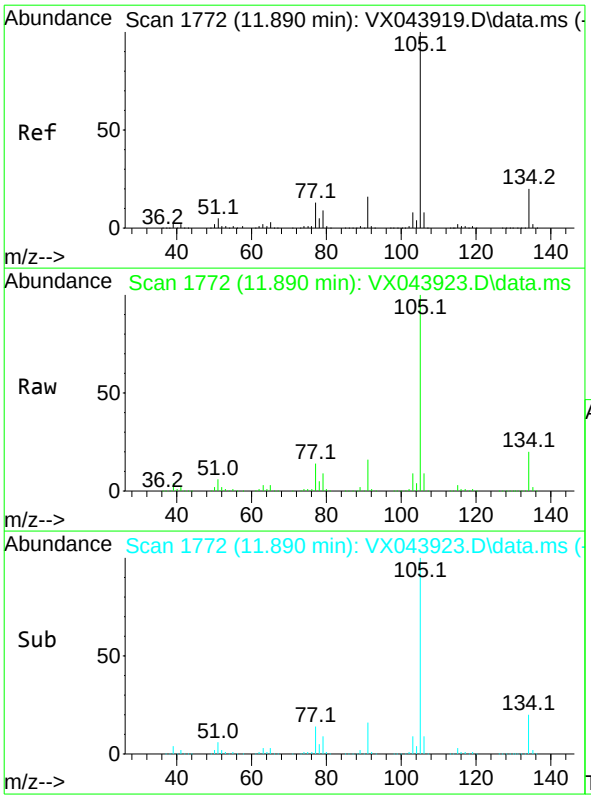


#84
1,2,4-Trimethylbenzene
Concen: 53.283 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion:105 Resp: 327564

Ion	Ratio	Lower	Upper
105	100		
120	44.4	21.7	65.1





#85
sec-Butylbenzene
Concen: 52.682 ug/l
RT: 11.890 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

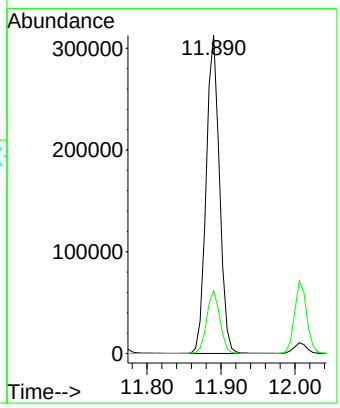
Tgt Ion:105 Resp: 389571

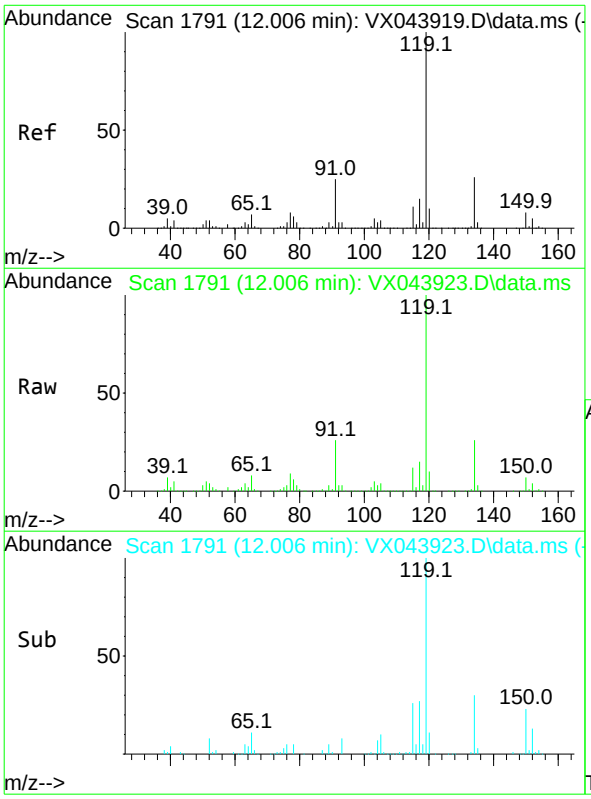
Ion	Ratio	Lower	Upper
105	100		
134	19.6	10.0	29.8

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

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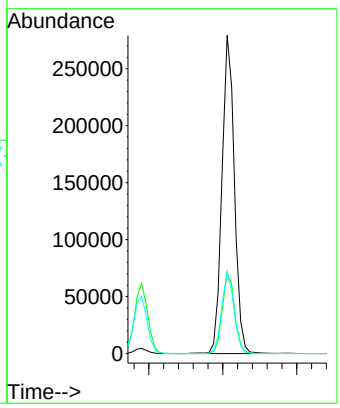


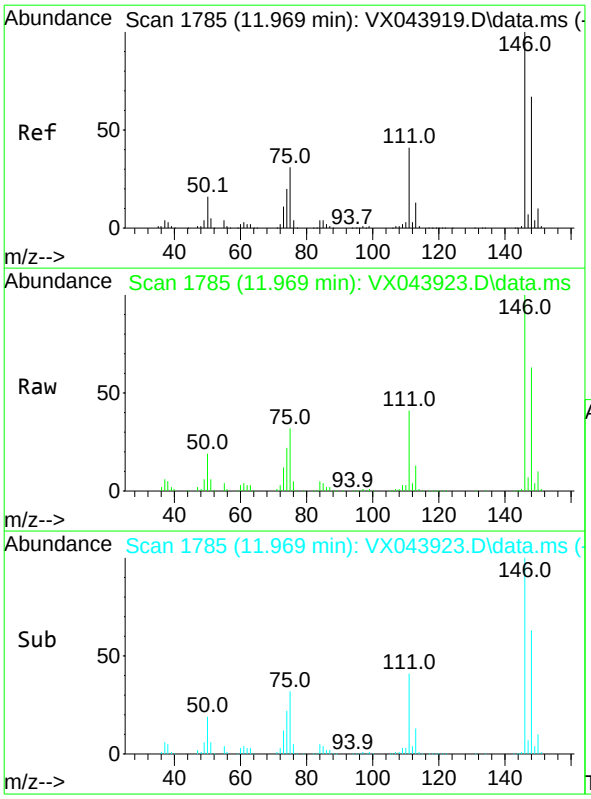


#86
p-Isopropyltoluene
Concen: 52.472 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion:119 Resp: 325801

Ion	Ratio	Lower	Upper
119	100		
134	25.2	13.0	38.9
91	25.4	12.3	36.8





#87
1,3-Dichlorobenzene
Concen: 50.841 ug/l
RT: 11.969 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

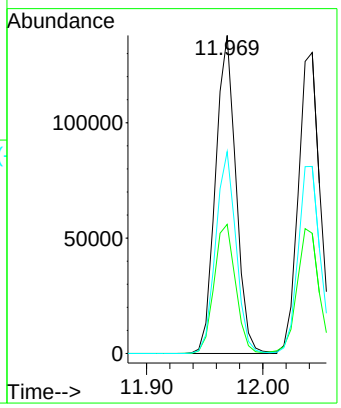
Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

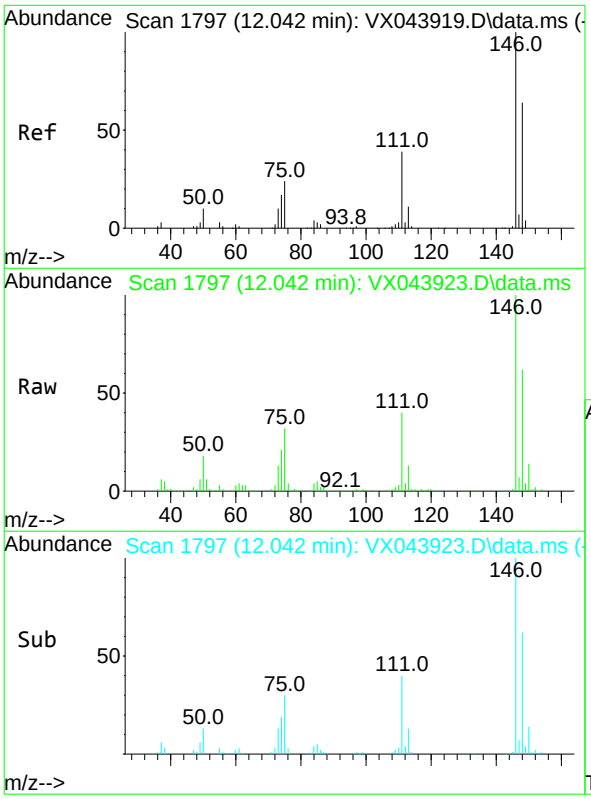
Tgt Ion:146 Resp: 168646

Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.8	62.2
148	62.9	31.8	95.4

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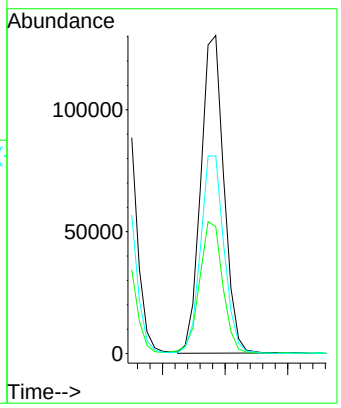


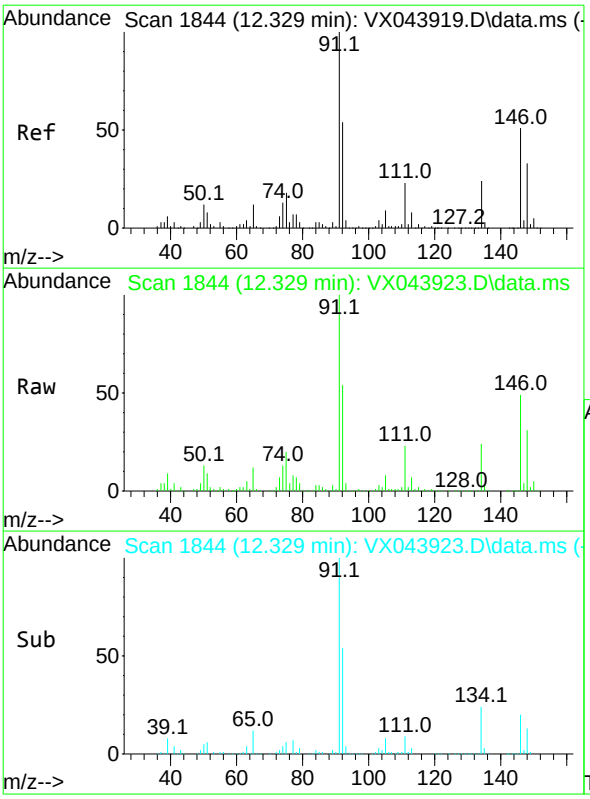


#88
1,4-Dichlorobenzene
Concen: 49.126 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion:146 Resp: 167075

Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.1	60.2
148	63.4	32.2	96.6

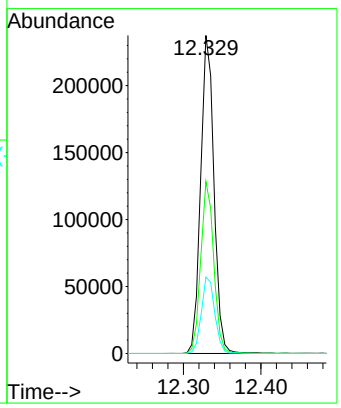




#89
n-Butylbenzene
Concen: 53.527 ug/l
RT: 12.329 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 91 Resp: 283194

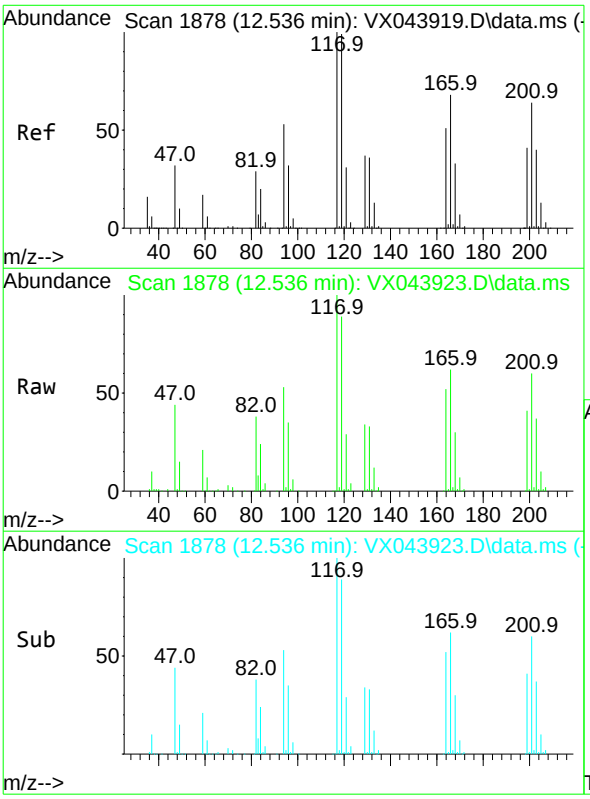
Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.9	80.6
134	24.3	12.9	38.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations APPROVED

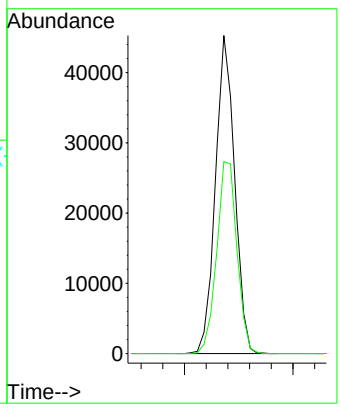
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

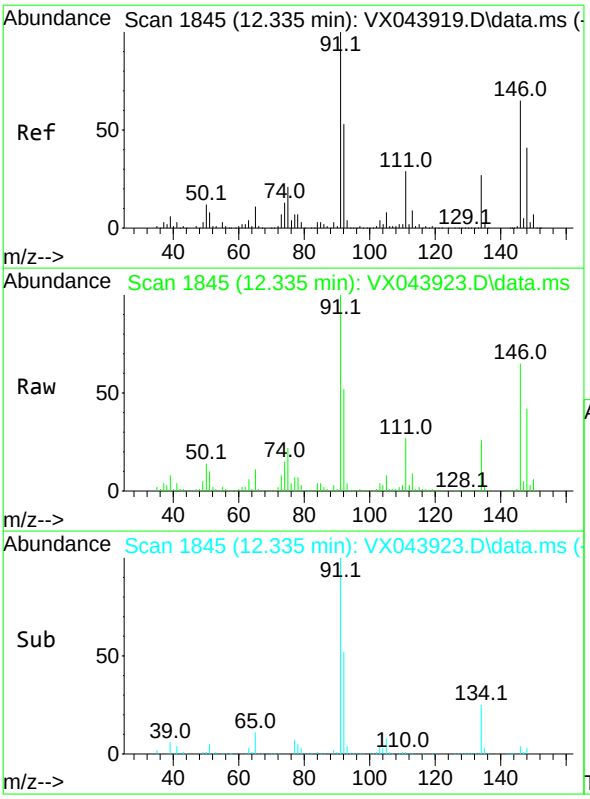


#90
Hexachloroethane
Concen: 46.087 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion:117 Resp: 55605

Ion	Ratio	Lower	Upper
117	100		
201	63.8	34.1	102.3

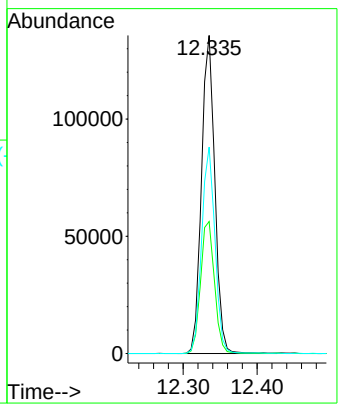




#91
1,2-Dichlorobenzene
Concen: 48.926 ug/l
RT: 12.335 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion:146 Resp: 169920

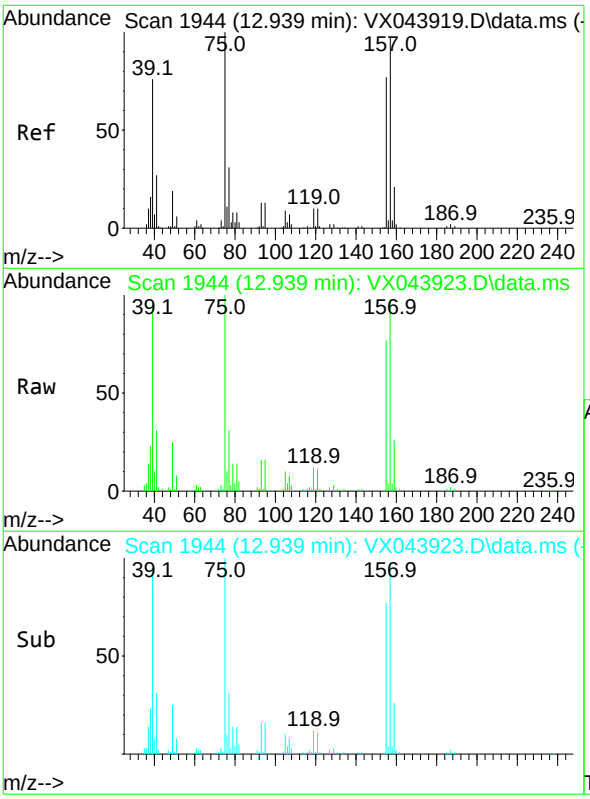
Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.7	65.1
148	65.0	31.6	94.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

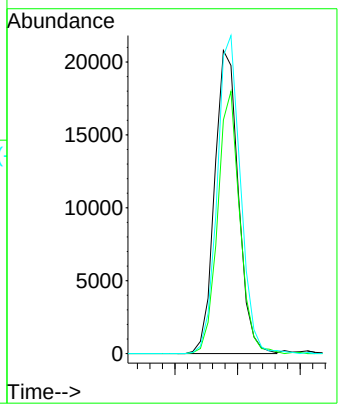
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

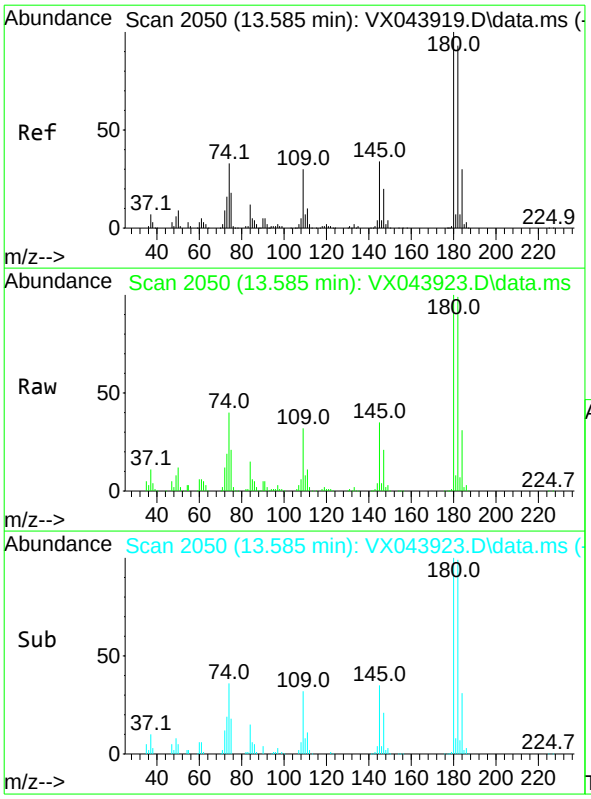


#92
1,2-Dibromo-3-Chloropropane
Concen: 45.200 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 75 Resp: 27323

Ion	Ratio	Lower	Upper
75	100		
155	80.5	40.8	122.5
157	103.5	54.3	162.9





#93
1,2,4-Trichlorobenzene
Concen: 48.719 ug/l
RT: 13.585 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

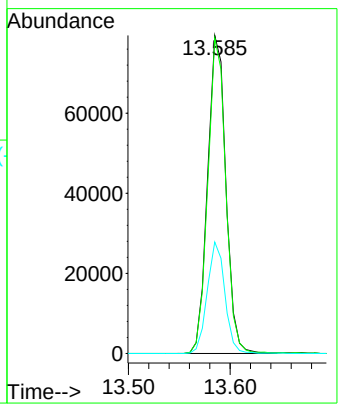
Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

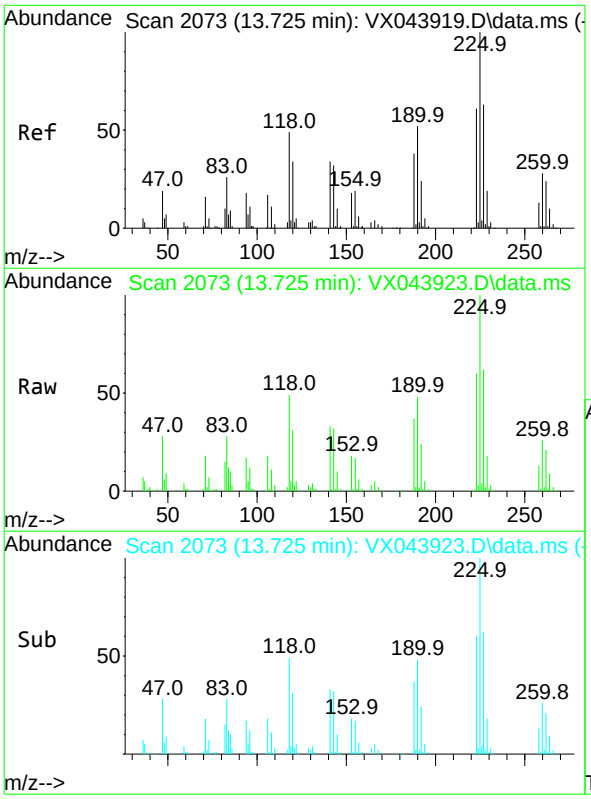
Tgt Ion:180 Resp: 98885

Ion	Ratio	Lower	Upper
180	100		
182	97.4	46.8	140.4
145	33.8	16.4	49.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

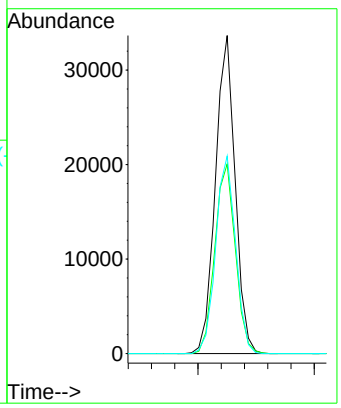


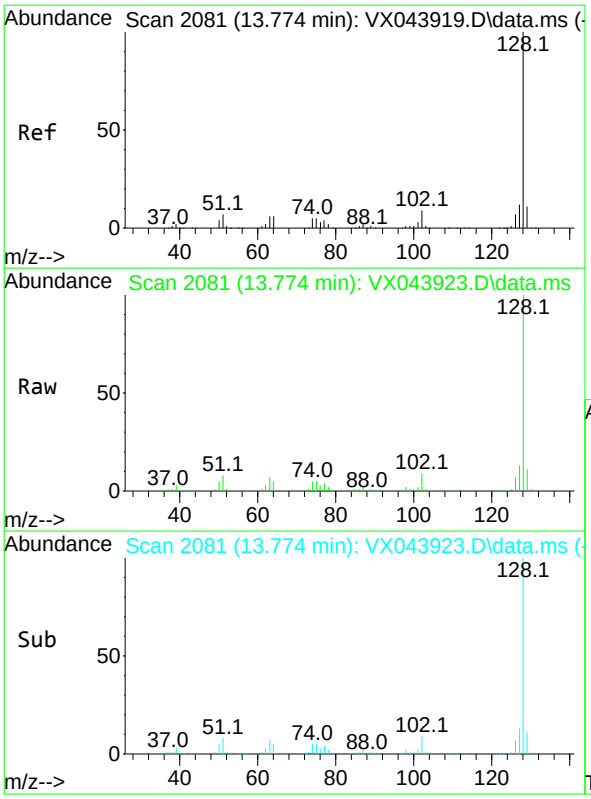


#94
Hexachlorobutadiene
Concen: 47.658 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion:225 Resp: 39642

Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.1	93.3
227	62.5	29.8	89.5

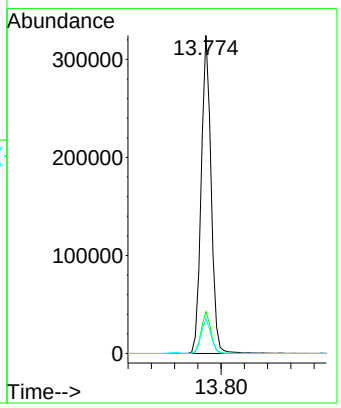




#95
Naphthalene
Concen: 50.468 ug/l
RT: 13.774 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion:128 Resp: 381936

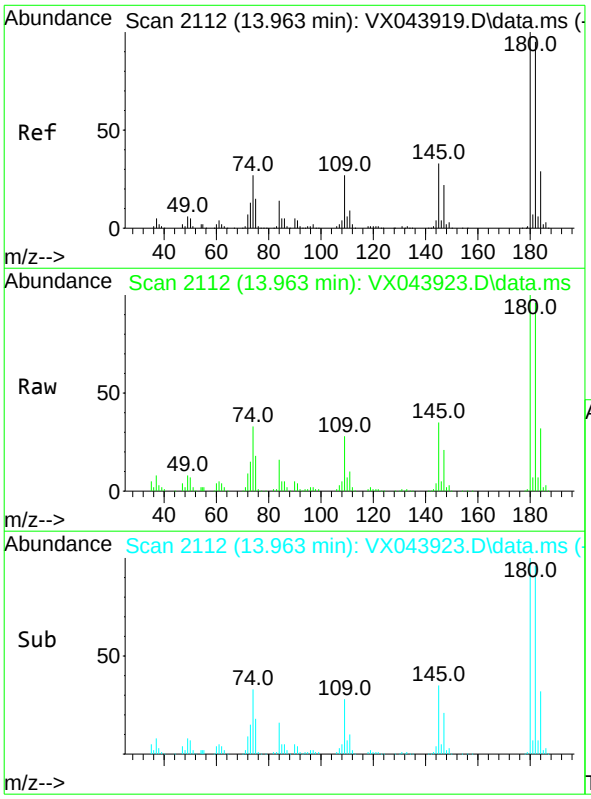
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.1	15.1
129	10.9	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

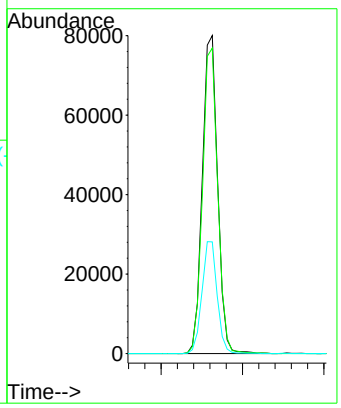
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024



#96
1,2,3-Trichlorobenzene
Concen: 49.248 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion:180 Resp: 104145

Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.6	142.8
145	35.1	17.4	52.2



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043923.D
Acq On : 20 Nov 2024 19:16
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Quant Time: Nov 21 07:05:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 07:00:56 2024
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	78	0.00
2	T	Dichlorodifluoromethane	0.611	0.628	-2.8	89	0.00
3	P	Chloromethane	0.660	0.707	-7.1	84	0.00
4	C	Vinyl Chloride	0.680	0.711	-4.6#	94	0.00
5	T	Bromomethane	0.408	0.401	1.7	102	0.00
6	T	Chloroethane	0.401	0.357	11.0	102	0.00
7	T	Trichlorofluoromethane	1.197	1.255	-4.8	105	0.00
8	T	Diethyl Ether	0.440	0.442	-0.5	101	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.584	0.568	2.7	83	0.00
10	T	Methyl Iodide	0.749	0.779	-4.0	78	0.00
11	T	Tert butyl alcohol	0.138	0.139	-0.7	93	0.00
12	CM	1,1-Dichloroethene	0.566	0.558	1.4#	80	0.00
13	T	Acrolein	0.145	0.149	-2.8	81	0.00
14	T	Allyl chloride	0.921	0.984	-6.8	83	0.00
15	T	Acrylonitrile	0.328	0.347	-5.8	83	0.00
16	T	Acetone	0.373	0.328	12.1	85	0.00
17	T	Carbon Disulfide	1.163	1.228	-5.6	84	0.00
18	T	Methyl Acetate	0.892	0.922	-3.4	86	0.00
19	T	Methyl tert-butyl Ether	2.047	2.225	-8.7	87	0.00
20	T	Methylene Chloride	0.662	0.663	-0.2	82	0.00
21	T	trans-1,2-Dichloroethene	0.586	0.630	-7.5	84	0.00
22	T	Diisopropyl ether	1.969	2.138	-8.6	87	0.00
23	T	Vinyl Acetate	1.666	1.878	-12.7	91	0.00
24	P	1,1-Dichloroethane	1.137	1.224	-7.7	86	0.00
25	T	2-Butanone	0.489	0.498	-1.8	86	0.00
26	T	2,2-Dichloropropane	1.009	1.018	-0.9	87	0.00
27	T	cis-1,2-Dichloroethene	0.723	0.766	-5.9	83	0.00
28	T	Bromochloromethane	0.512	0.495	3.3	84	0.00
29	T	Tetrahydrofuran	0.303	0.317	-4.6	86	0.00
30	C	Chloroform	1.221	1.289	-5.6#	87	0.00
31	T	Cyclohexane	0.922	0.928	-0.7	83	0.00
32	T	1,1,1-Trichloroethane	1.047	1.121	-7.1	87	0.00
33	S	1,2-Dichloroethane-d4	0.864	0.891	-3.1	89	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	76	0.00
35	S	Dibromofluoromethane	0.360	0.368	-2.2	82	0.00
36	T	1,1-Dichloropropene	0.431	0.449	-4.2	84	0.00
37	T	Ethyl Acetate	0.514	0.556	-8.2	90	0.00
38	T	Carbon Tetrachloride	0.480	0.497	-3.5	87	0.00
39	T	Methylcyclohexane	0.555	0.550	0.9	81	0.00
40	TM	Benzene	1.360	1.395	-2.6	80	0.00
41	T	Methacrylonitrile	0.274	0.294	-7.3	87	0.00
42	TM	1,2-Dichloroethane	0.536	0.563	-5.0	90	0.00
43	T	Isopropyl Acetate	0.840	0.895	-6.5	92	0.00
44	TM	Trichloroethene	0.385	0.348	9.6	82	0.00
45	C	1,2-Dichloropropane	0.331	0.347	-4.8#	82	0.00
46	T	Dibromomethane	0.260	0.279	-7.3	87	0.00
47	T	Bromodichloromethane	0.467	0.500	-7.1	84	0.00
48	T	Methyl methacrylate	0.388	0.420	-8.2	89	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043923.D
Acq On : 20 Nov 2024 19:16
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Quant Time: Nov 21 07:05:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 07:00:56 2024
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	0.006	0.009	-50.0#	120	0.00
50	S	Toluene-d8	1.247	1.247	0.0	80	0.00
51	T	4-Methyl-2-Pentanone	0.515	0.550	-6.8	88	0.00
52	CM	Toluene	0.812	0.866	-6.7#	81	0.00
53	T	t-1,3-Dichloropropene	0.475	0.512	-7.8	83	0.00
54	T	cis-1,3-Dichloropropene	0.521	0.558	-7.1	84	0.00
55	T	1,1,2-Trichloroethane	0.335	0.347	-3.6	82	0.00
56	T	Ethyl methacrylate	0.519	0.565	-8.9	82	0.00
57	T	1,3-Dichloropropane	0.564	0.584	-3.5	81	0.00
58	T	2-Chloroethyl Vinyl ether	0.265	0.276	-4.2	82	0.00
59	T	2-Hexanone	0.384	0.410	-6.8	88	0.00
60	T	Dibromochloromethane	0.333	0.362	-8.7	84	0.00
61	T	1,2-Dibromoethane	0.337	0.355	-5.3	82	0.00
62	S	4-Bromofluorobenzene	0.426	0.448	-5.2	81	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	77	0.00
64	T	Tetrachloroethene	0.325	0.331	-1.8	79	0.00
65	PM	Chlorobenzene	1.085	1.089	-0.4	78	0.00
66	T	1,1,1,2-Tetrachloroethane	0.350	0.381	-8.9	81	0.00
67	C	Ethyl Benzene	1.828	1.913	-4.6#	80	0.00
68	T	m/p-Xylenes	0.682	0.710	-4.1	78	0.00
69	T	o-Xylene	0.665	0.708	-6.5	79	0.00
70	T	Styrene	1.104	1.184	-7.2	78	0.00
71	P	Bromoform	0.234	0.268	-14.5	83	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	77	0.00
73	T	Isopropylbenzene	3.765	3.792	-0.7	81	0.00
74	T	N-amyl acetate	1.717	1.888	-10.0	90	0.00
75	P	1,1,2,2-Tetrachloroethane	1.289	1.313	-1.9	82	0.00
76	T	1,2,3-Trichloropropane	1.069	1.083	-1.3	82	0.00
77	T	Bromobenzene	0.902	0.901	0.1	78	0.00
78	T	n-propylbenzene	4.192	4.319	-3.0	81	0.00
79	T	2-Chlorotoluene	2.665	2.707	-1.6	81	0.00
80	T	1,3,5-Trimethylbenzene	3.096	3.153	-1.8	80	0.00
81	T	trans-1,4-Dichloro-2-butene	0.388	0.390	-0.5	80	0.00
82	T	4-Chlorotoluene	3.000	3.068	-2.3	80	0.00
83	T	tert-Butylbenzene	3.073	3.130	-1.9	78	0.00
84	T	1,2,4-Trimethylbenzene	3.094	3.202	-3.5	79	0.00
85	T	sec-Butylbenzene	3.750	3.808	-1.5	79	0.00
86	T	p-Isopropyltoluene	3.057	3.184	-4.2	78	0.00
87	T	1,3-Dichlorobenzene	1.647	1.648	-0.1	78	0.00
88	T	1,4-Dichlorobenzene	1.648	1.633	0.9	78	0.00
89	T	n-Butylbenzene	2.657	2.768	-4.2	81	0.00
90	T	Hexachloroethane	0.515	0.543	-5.4	85	0.00
91	T	1,2-Dichlorobenzene	1.665	1.661	0.2	78	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.258	0.267	-3.5	83	0.00
93	T	1,2,4-Trichlorobenzene	0.976	0.967	0.9	76	0.00
94	T	Hexachlorobutadiene	0.386	0.387	-0.3	80	0.00
95	T	Naphthalene	3.532	3.733	-5.7	77	0.00

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043923.D
Acq On : 20 Nov 2024 19:16
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Quant Time: Nov 21 07:05:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 07:00:56 2024
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	0.991	1.018	-2.7	76	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043923.D
Acq On : 20 Nov 2024 19:16
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Quant Time: Nov 21 07:05:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 07:00:56 2024
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	78	0.00
2	T	Dichlorodifluoromethane	50.000	62.046	-24.1	89	0.00
3	P	Chloromethane	50.000	55.867	-11.7	84	0.00
4	C	Vinyl Chloride	50.000	55.940	-11.9#	94	0.00
5	T	Bromomethane	50.000	69.459	-38.9#	102	0.00
6	T	Chloroethane	50.000	58.791	-17.6	102	0.00
7	T	Trichlorofluoromethane	50.000	69.274	-38.5#	105	0.00
8	T	Diethyl Ether	50.000	64.776	-29.6#	101	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	53.013	-6.0	83	0.00
10	T	Methyl Iodide	50.000	51.664	-3.3	78	0.00
11	T	Tert butyl alcohol	250.000	283.818	-13.5	93	0.00
12	CM	1,1-Dichloroethene	50.000	53.599	-7.2#	80	0.00
13	T	Acrolein	250.000	272.556	-9.0	81	0.00
14	T	Allyl chloride	50.000	58.343	-16.7	83	0.00
15	T	Acrylonitrile	250.000	276.221	-10.5	83	0.00
16	T	Acetone	250.000	265.748	-6.3	85	0.00
17	T	Carbon Disulfide	50.000	54.052	-8.1	84	0.00
18	T	Methyl Acetate	50.000	54.593	-9.2	86	0.00
19	T	Methyl tert-butyl Ether	50.000	57.868	-15.7	87	0.00
20	T	Methylene Chloride	50.000	51.368	-2.7	82	0.00
21	T	trans-1,2-Dichloroethene	50.000	55.548	-11.1	84	0.00
22	T	Diisopropyl ether	50.000	58.005	-16.0	87	0.00
23	T	Vinyl Acetate	250.000	314.256	-25.7#	91	0.00
24	P	1,1-Dichloroethane	50.000	56.478	-13.0	86	0.00
25	T	2-Butanone	250.000	288.244	-15.3	86	0.00
26	T	2,2-Dichloropropane	50.000	57.127	-14.3	87	0.00
27	T	cis-1,2-Dichloroethene	50.000	54.236	-8.5	83	0.00
28	T	Bromochloromethane	50.000	54.265	-8.5	84	0.00
29	T	Tetrahydrofuran	250.000	284.374	-13.7	86	0.00
30	C	Chloroform	50.000	57.044	-14.1#	87	0.00
31	T	Cyclohexane	50.000	52.818	-5.6	83	0.00
32	T	1,1,1-Trichloroethane	50.000	58.048	-16.1	87	0.00
33	S	1,2-Dichloroethane-d4	50.000	58.016	-16.0	89	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	76	0.00
35	S	Dibromofluoromethane	50.000	54.792	-9.6	82	0.00
36	T	1,1-Dichloropropene	50.000	53.685	-7.4	84	0.00
37	T	Ethyl Acetate	50.000	59.057	-18.1	90	0.00
38	T	Carbon Tetrachloride	50.000	56.086	-12.2	87	0.00
39	T	Methylcyclohexane	50.000	52.543	-5.1	81	0.00
40	TM	Benzene	50.000	53.028	-6.1	80	0.00
41	T	Methacrylonitrile	50.000	59.928	-19.9	87	0.00
42	TM	1,2-Dichloroethane	50.000	58.882	-17.8	90	0.00
43	T	Isopropyl Acetate	50.000	60.266	-20.5	92	0.00
44	TM	Trichloroethene	50.000	48.004	4.0	82	0.00
45	C	1,2-Dichloropropane	50.000	53.869	-7.7#	82	0.00
46	T	Dibromomethane	50.000	57.366	-14.7	87	0.00
47	T	Bromodichloromethane	50.000	58.559	-17.1	84	0.00
48	T	Methyl methacrylate	50.000	56.995	-14.0	89	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043923.D
Acq On : 20 Nov 2024 19:16
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Quant Time: Nov 21 07:05:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 07:00:56 2024
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	1161.399	-16.1	120	0.00
50	S	Toluene-d8	50.000	55.587	-11.2	80	0.00
51	T	4-Methyl-2-Pentanone	250.000	296.806	-18.7	88	0.00
52	CM	Toluene	50.000	57.032	-14.1#	81	0.00
53	T	t-1,3-Dichloropropene	50.000	59.078	-18.2	83	0.00
54	T	cis-1,3-Dichloropropene	50.000	56.813	-13.6	84	0.00
55	T	1,1,2-Trichloroethane	50.000	58.565	-17.1	82	0.00
56	T	Ethyl methacrylate	50.000	60.268	-20.5	82	0.00
57	T	1,3-Dichloropropane	50.000	58.860	-17.7	81	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	280.598	-12.2	82	0.00
59	T	2-Hexanone	250.000	313.432	-25.4#	88	0.00
60	T	Dibromochloromethane	50.000	62.789	-25.6#	84	0.00
61	T	1,2-Dibromoethane	50.000	57.509	-15.0	82	0.00
62	S	4-Bromofluorobenzene	50.000	60.492	-21.0	81	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	77	0.00
64	T	Tetrachloroethene	50.000	51.529	-3.1	79	0.00
65	PM	Chlorobenzene	50.000	52.143	-4.3	78	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	54.848	-9.7	81	0.00
67	C	Ethyl Benzene	50.000	54.424	-8.8#	80	0.00
68	T	m/p-Xylenes	100.000	108.500	-8.5	78	0.00
69	T	o-Xylene	50.000	55.404	-10.8	79	0.00
70	T	Styrene	50.000	56.236	-12.5	78	0.00
71	P	Bromoform	50.000	49.198	1.6	83	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	77	0.00
73	T	Isopropylbenzene	50.000	53.117	-6.2	81	0.00
74	T	N-amyl acetate	50.000	51.587	-3.2	90	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	54.391	-8.8	82	0.00
76	T	1,2,3-Trichloropropane	50.000	53.071	-6.1	82	0.00
77	T	Bromobenzene	50.000	51.501	-3.0	78	0.00
78	T	n-propylbenzene	50.000	54.835	-9.7	81	0.00
79	T	2-Chlorotoluene	50.000	54.025	-8.0	81	0.00
80	T	1,3,5-Trimethylbenzene	50.000	53.291	-6.6	80	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	48.469	3.1	80	0.00
82	T	4-Chlorotoluene	50.000	53.165	-6.3	80	0.00
83	T	tert-Butylbenzene	50.000	51.719	-3.4	78	0.00
84	T	1,2,4-Trimethylbenzene	50.000	53.283	-6.6	79	0.00
85	T	sec-Butylbenzene	50.000	52.682	-5.4	79	0.00
86	T	p-Isopropyltoluene	50.000	52.472	-4.9	78	0.00
87	T	1,3-Dichlorobenzene	50.000	50.841	-1.7	78	0.00
88	T	1,4-Dichlorobenzene	50.000	49.126	1.7	78	0.00
89	T	n-Butylbenzene	50.000	53.527	-7.1	81	0.00
90	T	Hexachloroethane	50.000	46.087	7.8	85	0.00
91	T	1,2-Dichlorobenzene	50.000	48.926	2.1	78	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	45.200	9.6	83	0.00
93	T	1,2,4-Trichlorobenzene	50.000	48.719	2.6	76	0.00
94	T	Hexachlorobutadiene	50.000	47.658	4.7	80	0.00
95	T	Naphthalene	50.000	50.468	-0.9	77	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043923.D
Acq On : 20 Nov 2024 19:16
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Quant Time: Nov 21 07:05:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 07:00:56 2024
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	49.248	1.5	76	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Quantitation Report (Not Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043925.D
Acq On : 21 Nov 2024 09:47
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 21 12:38:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 12:38:21 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.544	168	148984	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.751	114	260569	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.049	117	218244	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	92854	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.958	65	3148	1.232	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	2.460%#			
35) Dibromofluoromethane	5.385	113	1980	1.063	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	2.120%#			
50) Toluene-d8	8.647	98	7267	1.132	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	2.260%#			
62) 4-Bromofluorobenzene	11.079	95	2216	1.015	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	2.020%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.167	85	1889	1.001	ug/l		87
3) Chloromethane	1.295	50	1723	0.868	ug/l		90
4) Vinyl Chloride	1.374	62	2010	0.951	ug/l	#	82
5) Bromomethane	1.593	94	1826	1.405	ug/l	#	76
6) Chloroethane	1.666	64	1724	1.339	ug/l	#	84
7) Trichlorofluoromethane	1.874	101	3093	0.819	ug/l		92
8) Diethyl Ether	2.136	74	1421	1.032	ug/l		80
9) 1,1,2-Trichlorotrifluo...	2.313	101	1764	0.979	ug/l		92
10) Methyl Iodide	2.441	142	1911	0.849	ug/l	#	91
11) Tert butyl alcohol	2.941	59	3949	9.211	ug/l	#	72
12) 1,1-Dichloroethene	2.300	96	1775	1.034	ug/l	#	68
13) Acrolein	2.233	56	2045	4.730	ug/l		87
14) Allyl chloride	2.654	41	2371	0.845	ug/l	#	78
15) Acrylonitrile	3.063	53	4483	4.485	ug/l		96
16) Acetone	2.386	43	5977	5.093	ug/l	#	80
17) Carbon Disulfide	2.502	76	3223	0.910	ug/l		99
18) Methyl Acetate	2.703	43	2775	1.015	ug/l		100
19) Methyl tert-butyl Ether	3.105	73	5162	0.828	ug/l		92
20) Methylene Chloride	2.782	84	2099	1.054	ug/l	#	78
21) trans-1,2-Dichloroethene	3.081	96	1624	0.916	ug/l		94
22) Diisopropyl ether	3.751	45	4882	0.814	ug/l	#	23
23) Vinyl Acetate	3.727	43	18541	3.613	ug/l		95
24) 1,1-Dichloroethane	3.593	63	2919	0.844	ug/l	#	94
25) 2-Butanone	4.581	43	6676	4.408	ug/l		95
26) 2,2-Dichloropropane	4.459	77	2687	0.860	ug/l		83
27) cis-1,2-Dichloroethene	4.495	96	2007	0.916	ug/l		93
28) Bromochloromethane	4.885	49	842	0.553	ug/l	#	64
29) Tetrahydrofuran	5.013	42	4264	4.594	ug/l		93
30) Chloroform	5.093	83	3187	0.856	ug/l	#	81
31) Cyclohexane	5.446	56	2563	0.900	ug/l	#	67
32) 1,1,1-Trichloroethane	5.373	97	2600	0.810	ug/l	#	43
36) 1,1-Dichloropropene	5.690	75	1993	0.859	ug/l	#	79
37) Ethyl Acetate	4.733	43	1632	0.584	ug/l	#	76
38) Carbon Tetrachloride	5.660	117	2287	0.877	ug/l	#	75
39) Methylcyclohexane	7.379	83	2835	0.941	ug/l		94
40) Benzene	6.032	78	6312	0.873	ug/l	#	83

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043925.D
Acq On : 21 Nov 2024 09:47
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 21 12:38:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 12:38:21 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.934	41	724	0.487 ug/l	#	83
42) 1,2-Dichloroethane	6.086	62	2602	0.896 ug/l		81
43) Isopropyl Acetate	6.355	43	3881	0.847 ug/l	#	85
44) Trichloroethene	7.123	130	2850	1.393 ug/l		90
45) 1,2-Dichloropropane	7.428	63	1503	0.849 ug/l		98
46) Dibromomethane	7.580	93	1246	0.890 ug/l		90
47) Bromodichloromethane	7.824	83	1819	0.724 ug/l	#	96
48) Methyl methacrylate	7.702	41	1511	0.714 ug/l		91
49) 1,4-Dioxane	7.671	88	613	18.330 ug/l	#	43
51) 4-Methyl-2-Pentanone	8.574	43	11392	4.073 ug/l		91
52) Toluene	8.714	92	3313	0.766 ug/l		79
53) t-1,3-Dichloropropene	8.988	75	1776	0.694 ug/l	#	88
54) cis-1,3-Dichloropropene	8.366	75	2132	0.759 ug/l	#	75
55) 1,1,2-Trichloroethane	9.153	97	1496	0.838 ug/l	#	83
56) Ethyl methacrylate	9.122	69	1973	0.709 ug/l	#	69
57) 1,3-Dichloropropane	9.305	76	2502	0.832 ug/l		98
58) 2-Chloroethyl Vinyl ether	8.245	63	4135	2.662 ug/l		92
59) 2-Hexanone	9.439	43	7726	3.675 ug/l		95
60) Dibromochloromethane	9.519	129	1296	0.723 ug/l		92
61) 1,2-Dibromoethane	9.610	107	1342	0.743 ug/l		81
64) Tetrachloroethene	9.269	164	1329	0.924 ug/l		90
65) Chlorobenzene	10.073	112	4585	0.957 ug/l	#	85
66) 1,1,1,2-Tetrachloroethane	10.165	131	1136	0.731 ug/l	#	65
67) Ethyl Benzene	10.195	91	6890	0.848 ug/l	#	84
68) m/p-Xylenes	10.305	106	5324	1.758 ug/l		98
69) o-Xylene	10.640	106	2370	0.801 ug/l		94
70) Styrene	10.665	104	3751	0.767 ug/l		96
71) Bromoform	10.799	173	632	1.756 ug/l	#	88
73) Isopropylbenzene	10.964	105	6379	0.894 ug/l		93
74) N-amyl acetate	10.848	43	2319	0.701 ug/l	#	90
75) 1,1,2,2-Tetrachloroethane	11.214	83	2224	0.910 ug/l		82
76) 1,2,3-Trichloropropane	11.244	75	2077	1.020 ug/l		96
77) Bromobenzene	11.201	156	1475	0.866 ug/l		93
78) n-propylbenzene	11.305	91	6810	0.854 ug/l		95
79) 2-Chlorotoluene	11.366	91	4618	0.916 ug/l		92
80) 1,3,5-Trimethylbenzene	11.451	105	5022	0.855 ug/l		94
81) trans-1,4-Dichloro-2-b...	11.025	75	442	0.592 ug/l	#	76
82) 4-Chlorotoluene	11.457	91	4940	0.868 ug/l		93
83) tert-Butylbenzene	11.713	119	4794	0.824 ug/l		93
84) 1,2,4-Trimethylbenzene	11.750	105	4748	0.812 ug/l		99
85) sec-Butylbenzene	11.890	105	5787	0.812 ug/l		96
86) p-Isopropyltoluene	12.012	119	4187	0.723 ug/l		86
87) 1,3-Dichlorobenzene	11.969	146	2934	0.946 ug/l		93
88) 1,4-Dichlorobenzene	11.969	146	2934	0.942 ug/l		94
89) n-Butylbenzene	12.335	91	3522	0.690 ug/l		94
90) Hexachloroethane	12.536	117	835	0.848 ug/l		82
91) 1,2-Dichlorobenzene	12.335	146	2796	0.893 ug/l		96
92) 1,2-Dibromo-3-Chloropr...	12.957	75	395	0.807 ug/l		61
93) 1,2,4-Trichlorobenzene	13.597	180	1576	0.854 ug/l		80
94) Hexachlorobutadiene	13.725	225	709	0.972 ug/l		94
95) Naphthalene	13.780	128	4837	0.728 ug/l		99
96) 1,2,3-Trichlorobenzene	13.963	180	1398	0.749 ug/l		86

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043925.D
Acq On : 21 Nov 2024 09:47
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 21 12:38:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 12:38:21 2024
Response via : Initial Calibration

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

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

ICAL Form

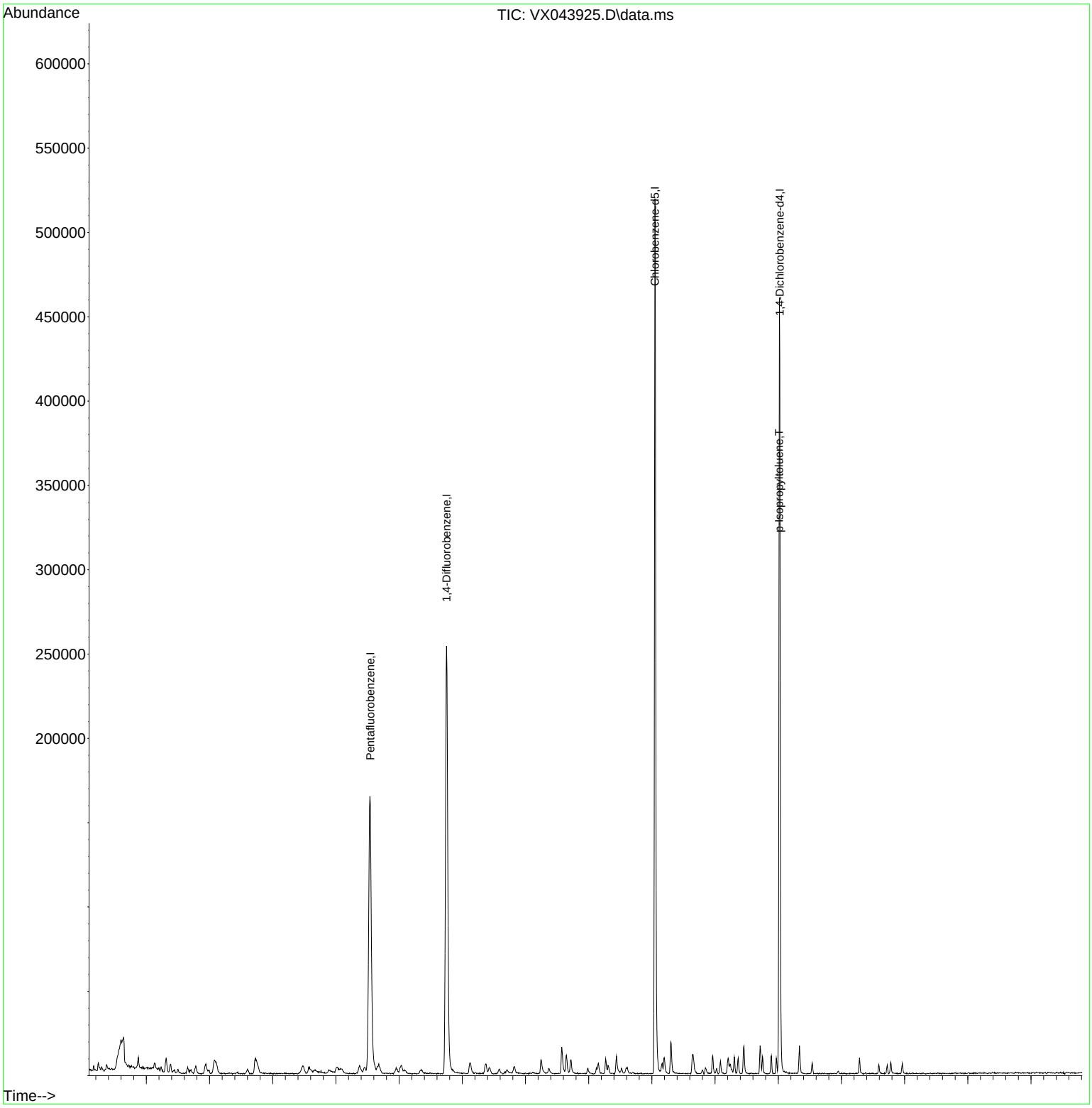
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043925.D
Acq On : 21 Nov 2024 09:47
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

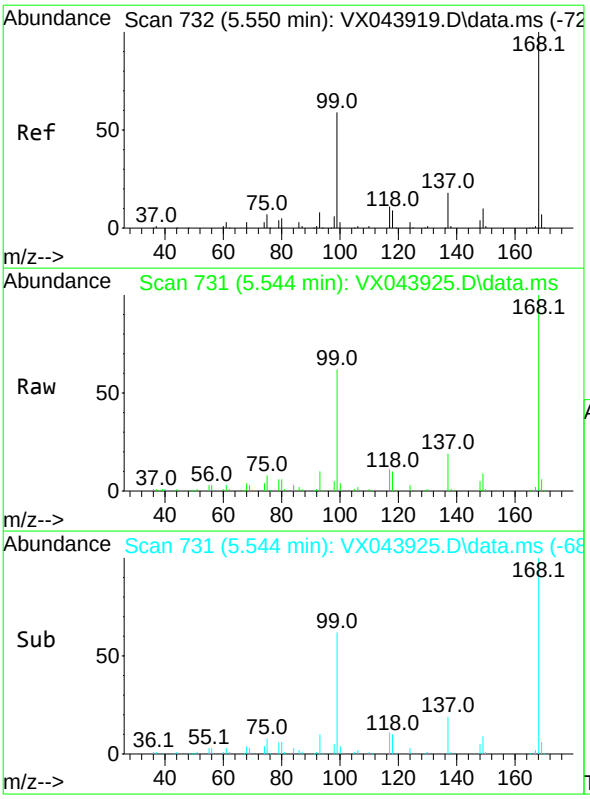
Quant Time: Nov 21 12:38:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 12:38:21 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

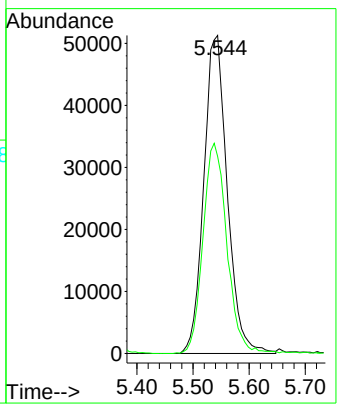




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. -0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:168 Resp: 148984

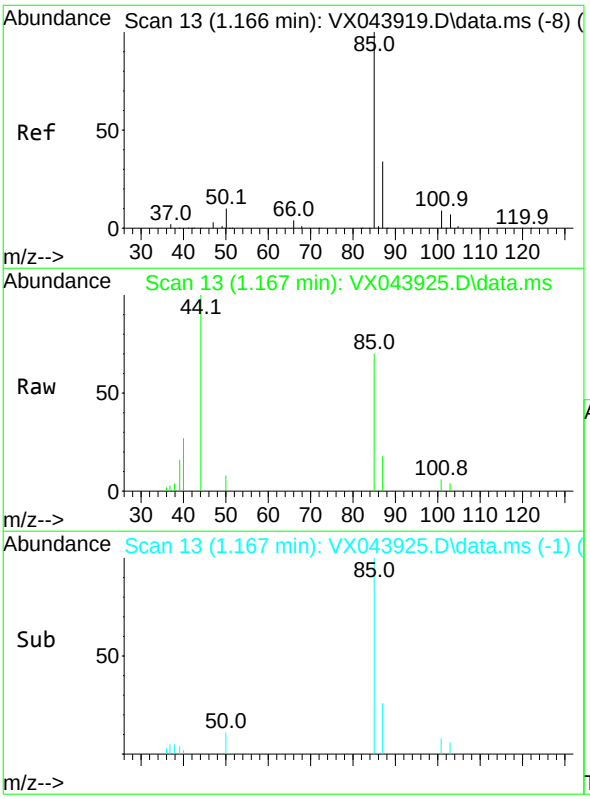
Ion	Ratio	Lower	Upper
168	100		
99	61.8	46.9	70.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

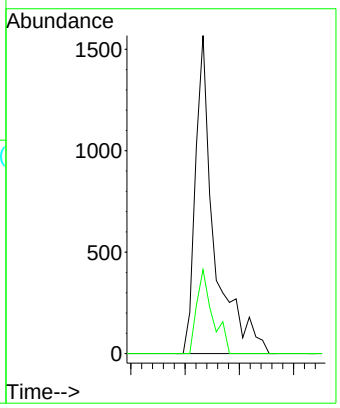
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

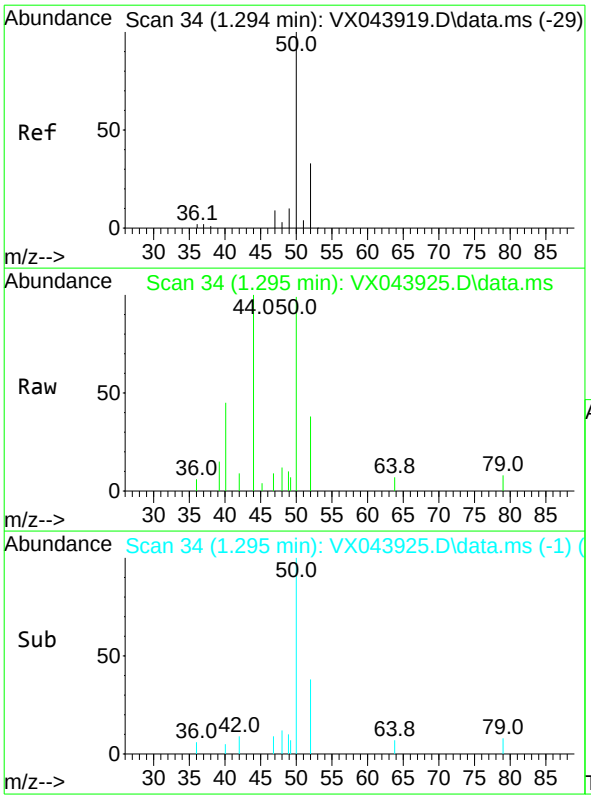


#2
Dichlorodifluoromethane
Concen: 1.001 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.001 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 85 Resp: 1889

Ion	Ratio	Lower	Upper
85	100		
87	26.4	17.1	51.2

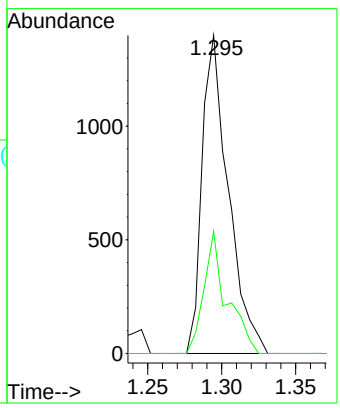




#3
Chloromethane
Concen: 0.868 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.001 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 50 Resp: 1723

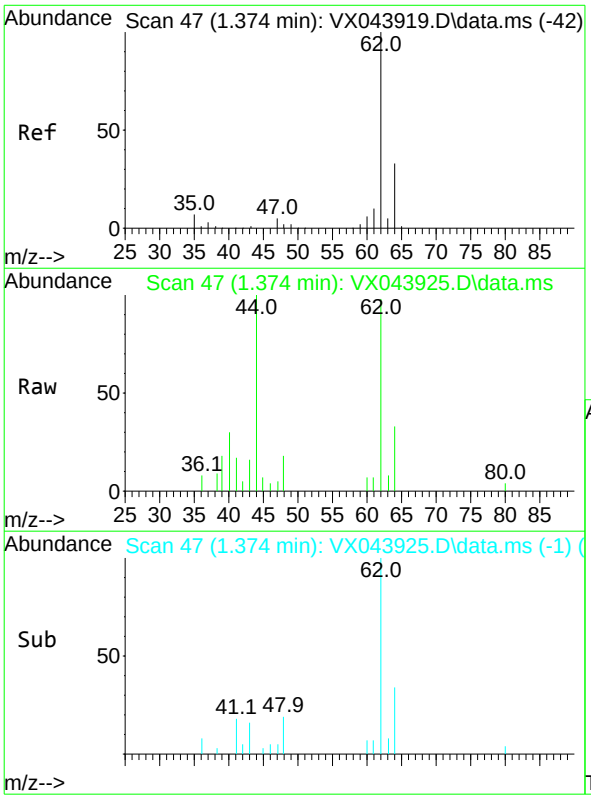
Ion	Ratio	Lower	Upper
50	100		
52	38.4	26.2	39.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

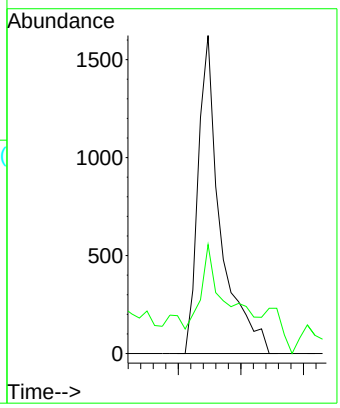
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

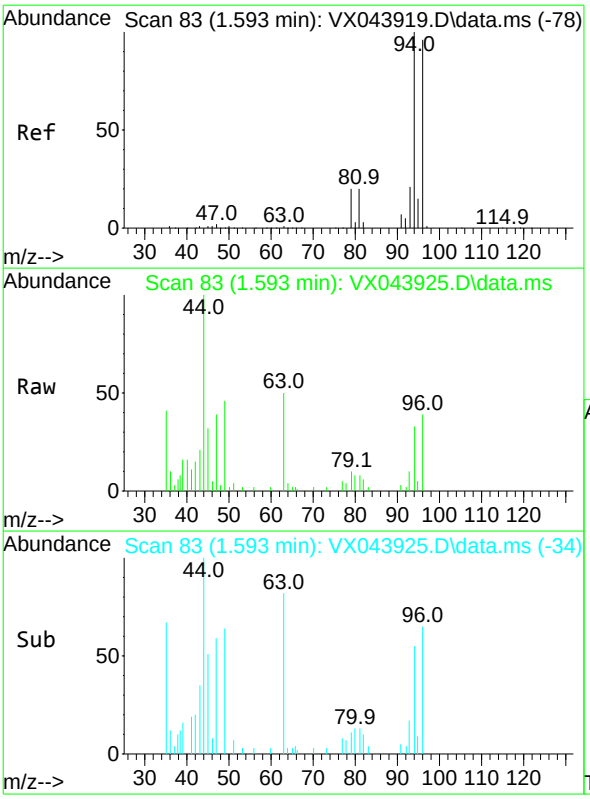


#4
Vinyl Chloride
Concen: 0.951 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 62 Resp: 2010

Ion	Ratio	Lower	Upper
62	100		
64	22.4	26.1	39.1#

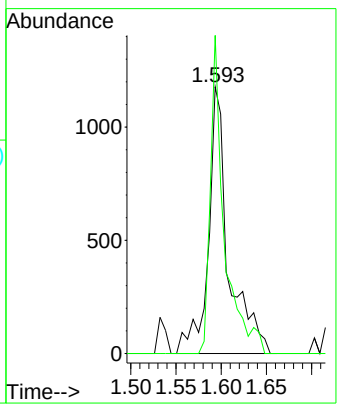




#5
Bromomethane
Concen: 1.405 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 94 Resp: 1826

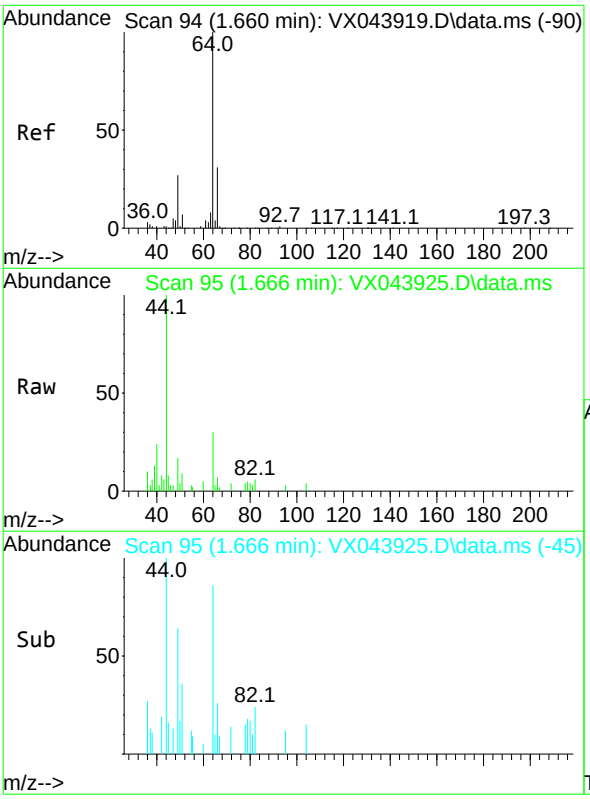
Ion	Ratio	Lower	Upper
94	100		
96	119.3	76.5	114.7#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

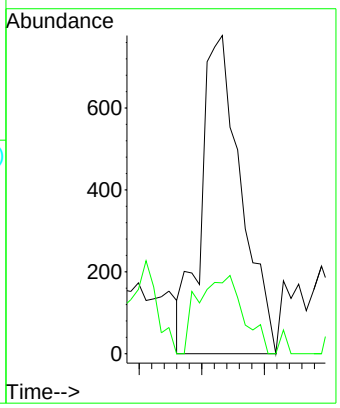
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

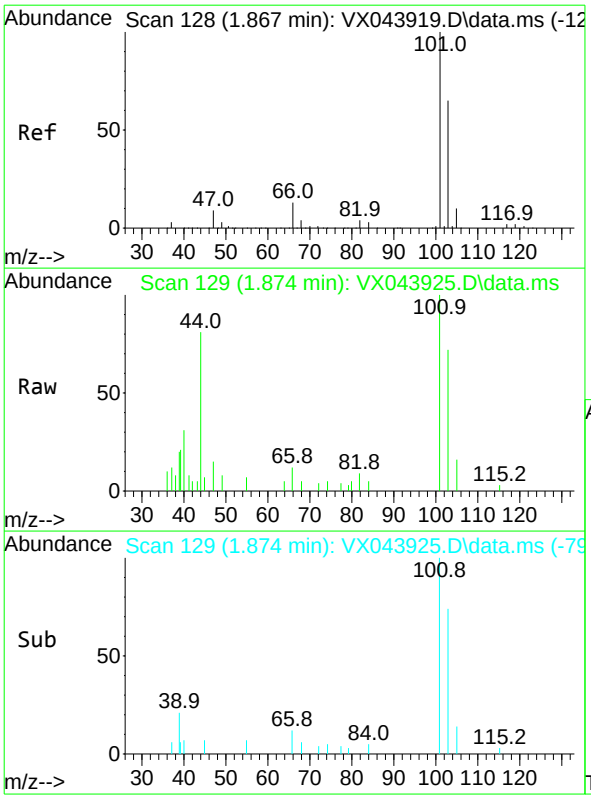


#6
Chloroethane
Concen: 1.339 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 64 Resp: 1724

Ion	Ratio	Lower	Upper
64	100		
66	22.3	24.9	37.3#

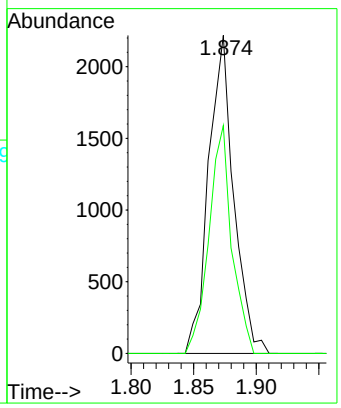




#7
Trichlorofluoromethane
Concen: 0.819 ug/l
RT: 1.874 min Scan# 12
Delta R.T. 0.007 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:101 Resp: 3093

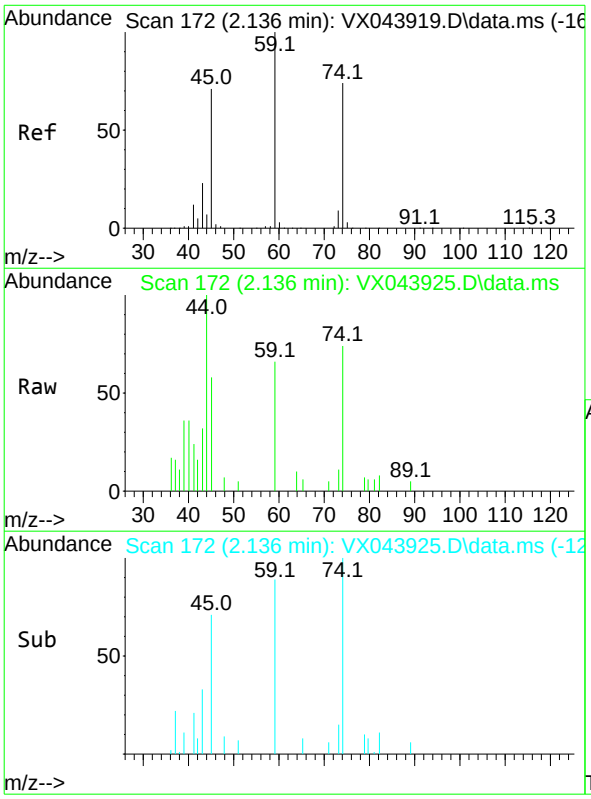
Ion	Ratio	Lower	Upper
101	100		
103	71.6	52.2	78.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

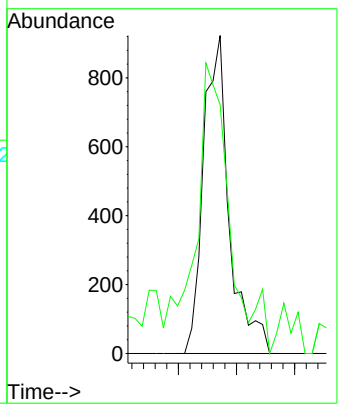
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

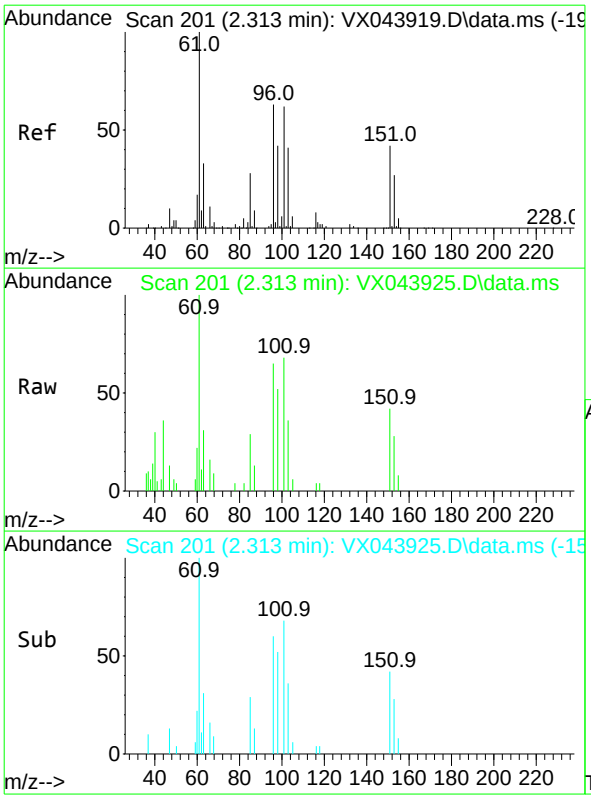


#8
Diethyl Ether
Concen: 1.032 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 74 Resp: 1421

Ion	Ratio	Lower	Upper
74	100		
45	120.1	49.9	149.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.979 ug/l
RT: 2.313 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

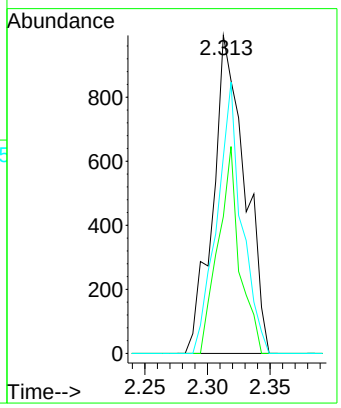
Tgt Ion:101 Resp: 1764

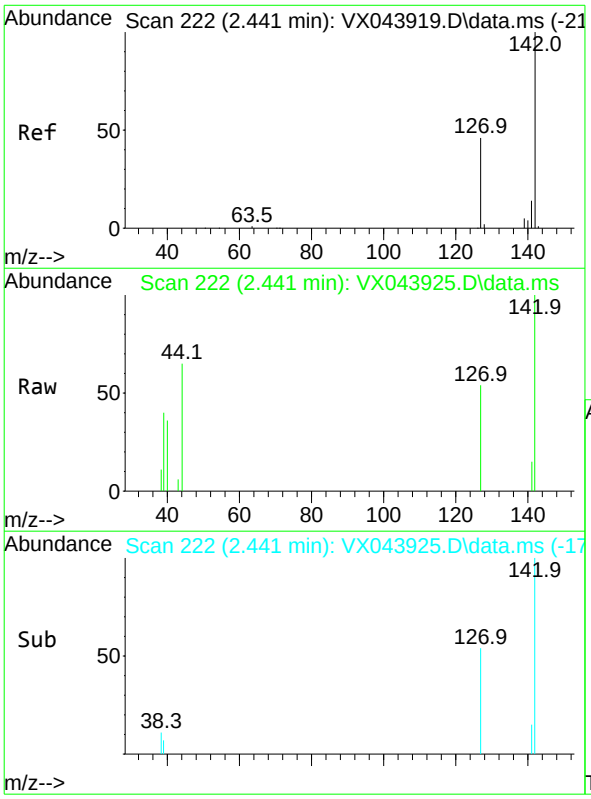
Ion	Ratio	Lower	Upper
101	100		
85	43.5	36.6	54.8
151	66.1	59.8	89.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

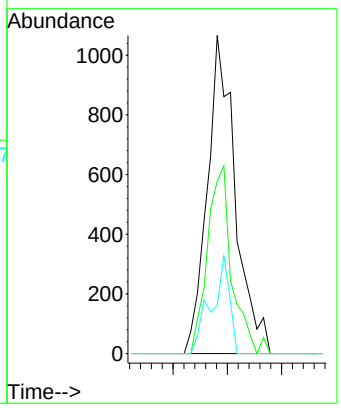


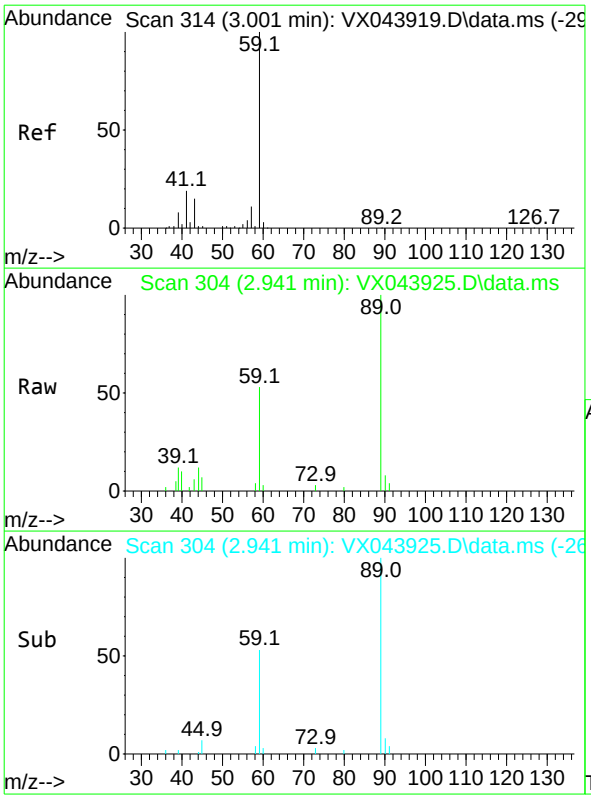


#10
Methyl Iodide
Concen: 0.849 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:142 Resp: 1911

Ion	Ratio	Lower	Upper
142	100		
127	51.4	37.3	55.9
141	19.9	11.4	17.2#





#11
Tert butyl alcohol
Concen: 9.211 ug/l
RT: 2.941 min Scan# 30
Delta R.T. -0.060 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

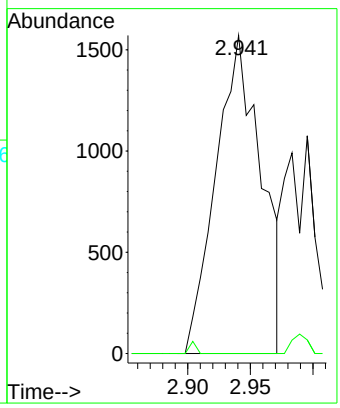
Tgt Ion: 59 Resp: 3949

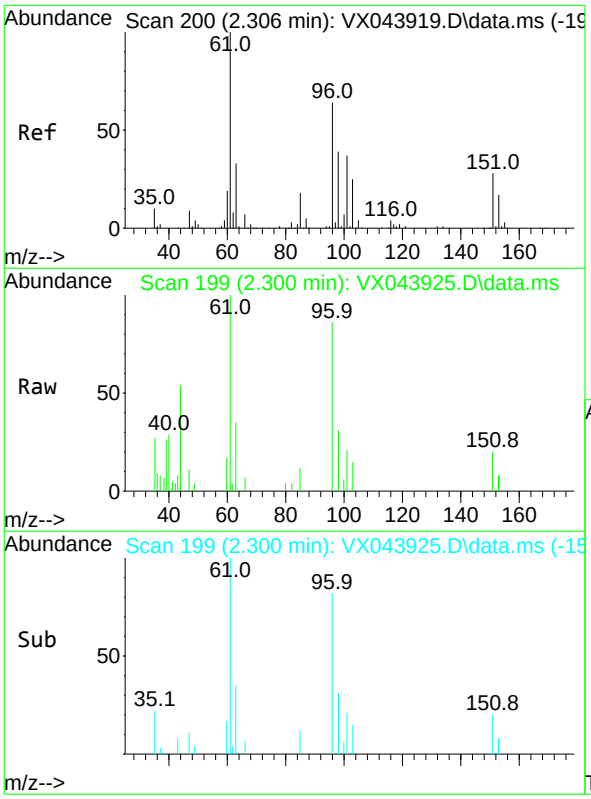
Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.4#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

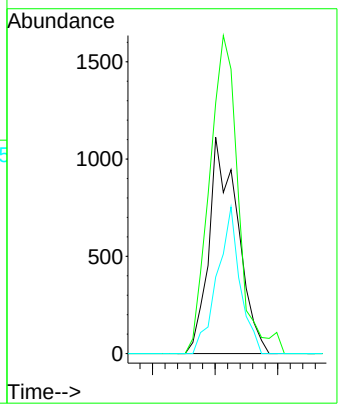


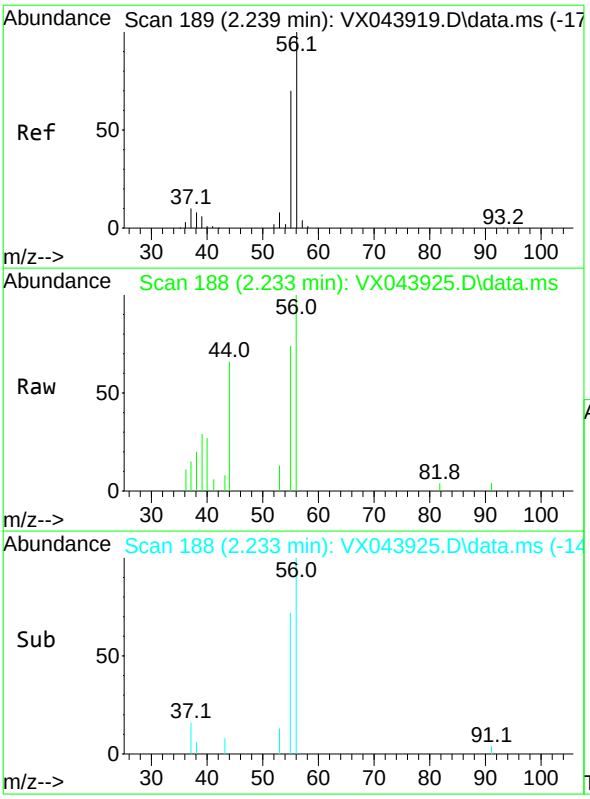


#12
1,1-Dichloroethene
Concen: 1.034 ug/l
RT: 2.300 min Scan# 199
Delta R.T. -0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 96 Resp: 1775

Ion	Ratio	Lower	Upper
96	100		
61	115.9	124.6	187.0#
98	35.4	49.0	73.6#

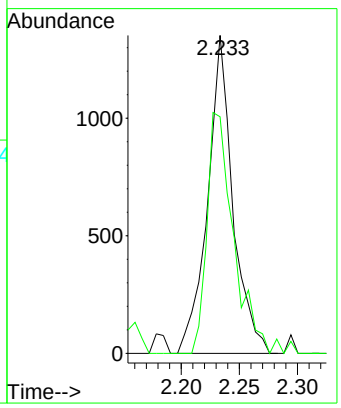




#13
Acrolein
Concen: 4.730 ug/l
RT: 2.233 min Scan# 18
Delta R.T. -0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 56 Resp: 2045

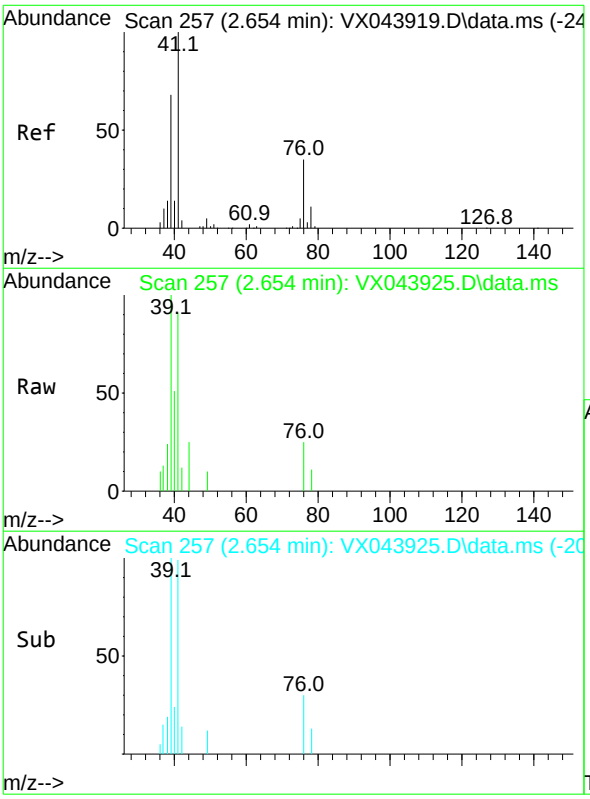
Ion	Ratio	Lower	Upper
56	100		
55	81.0	56.1	84.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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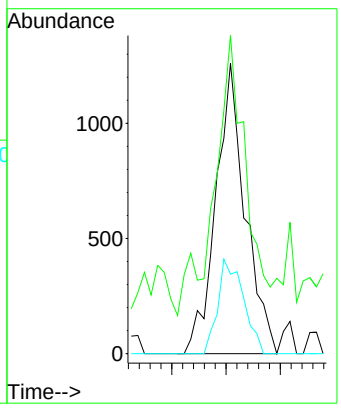
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

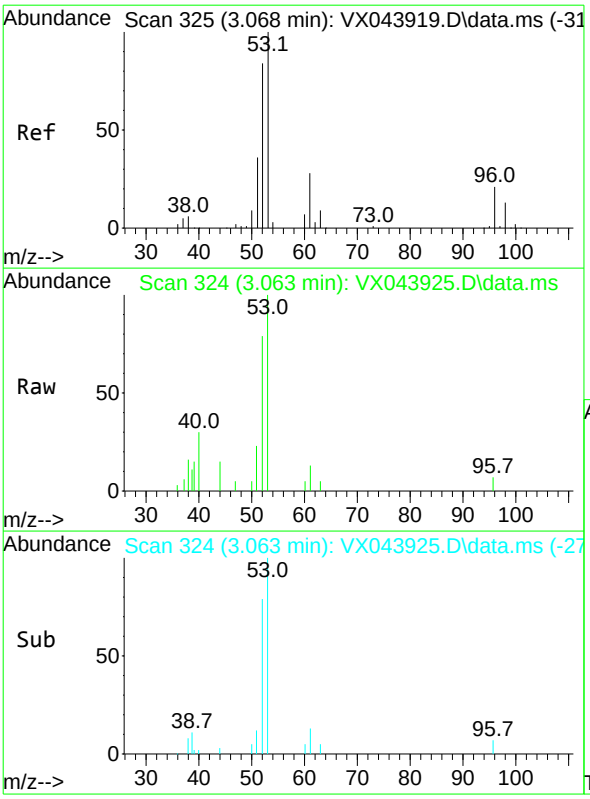


#14
Allyl chloride
Concen: 0.845 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 41 Resp: 2371

Ion	Ratio	Lower	Upper
41	100		
39	85.9	51.7	77.5#
76	28.3	28.2	42.2

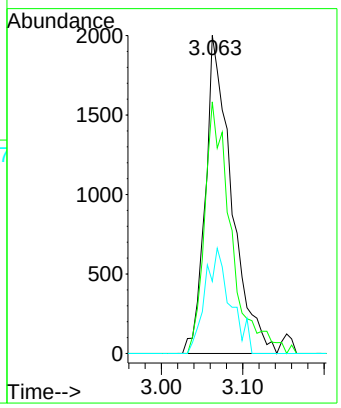




#15
Acrylonitrile
Concen: 4.485 ug/l
RT: 3.063 min Scan# 32
Delta R.T. -0.005 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 53 Resp: 4483

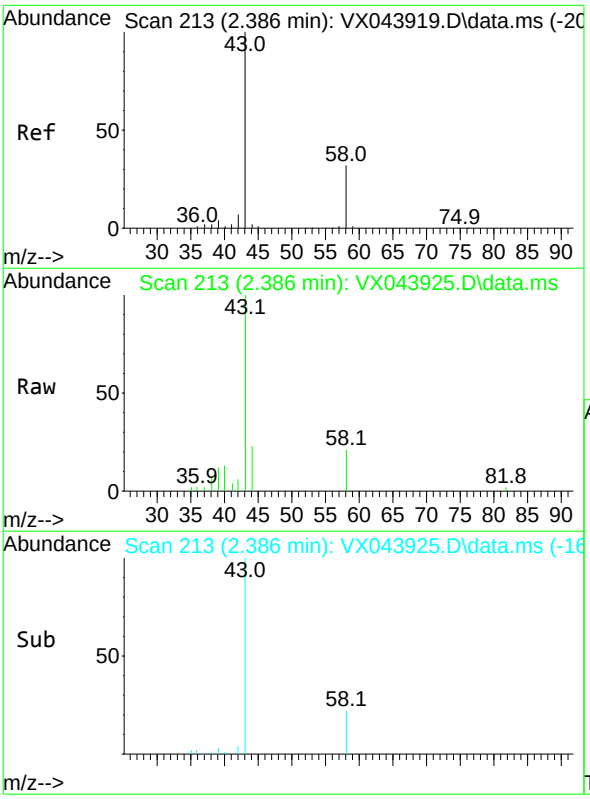
Ion	Ratio	Lower	Upper
53	100		
52	80.0	65.8	98.8
51	31.9	28.6	42.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

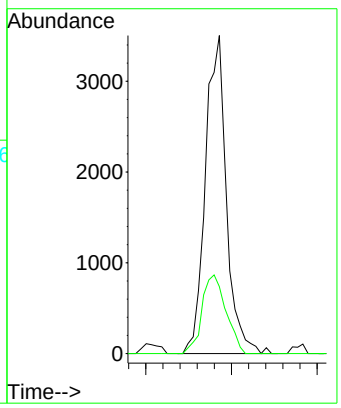
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

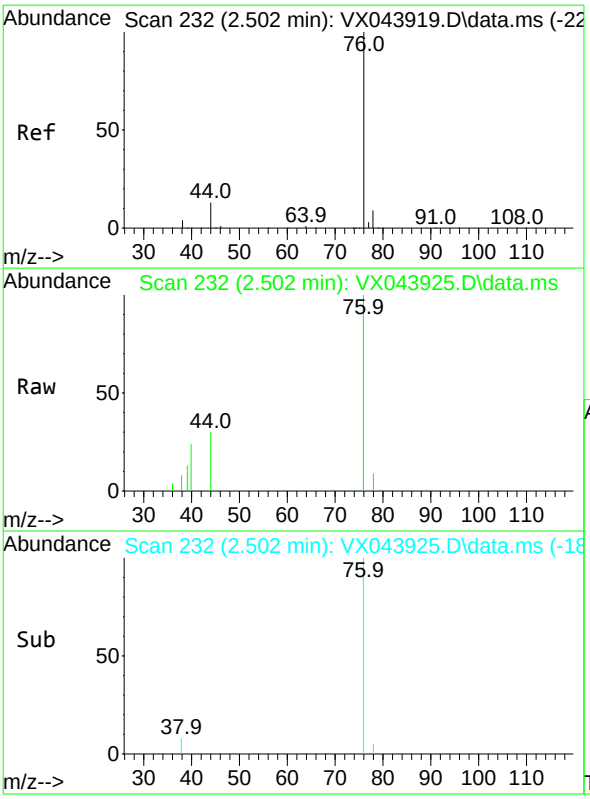


#16
Acetone
Concen: 5.093 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 43 Resp: 5977

Ion	Ratio	Lower	Upper
43	100		
58	21.1	25.8	38.6#

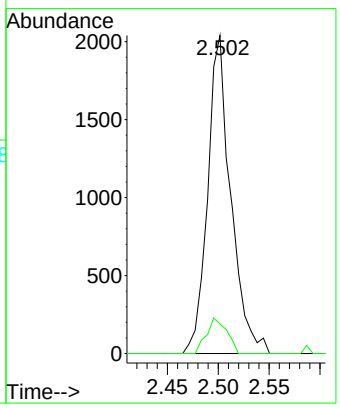




#17
Carbon Disulfide
Concen: 0.910 ug/l
RT: 2.502 min Scan# 23
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 76 Resp: 3223

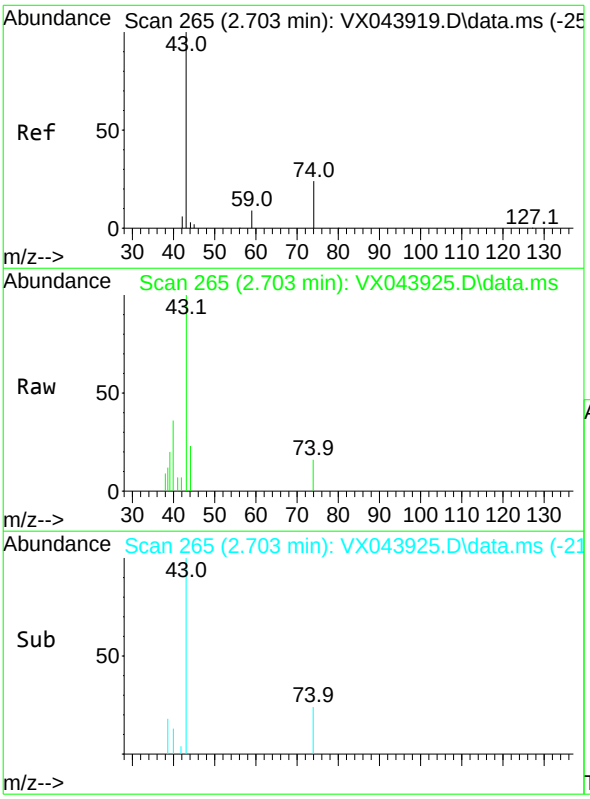
Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

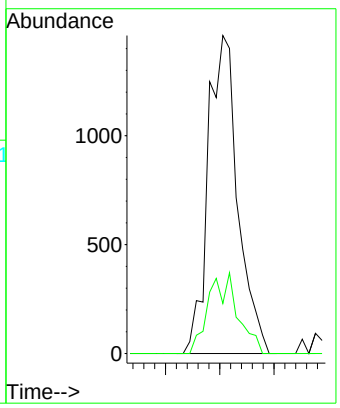
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

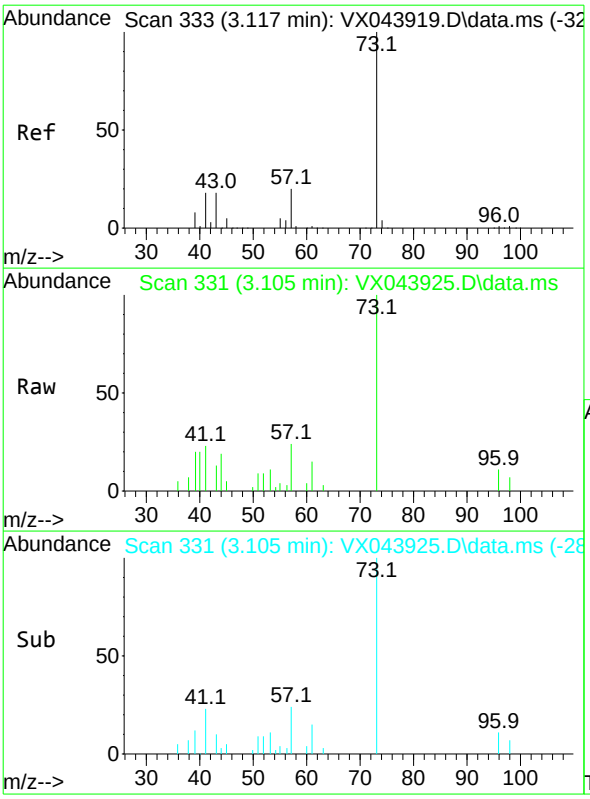


#18
Methyl Acetate
Concen: 1.015 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 43 Resp: 2775

Ion	Ratio	Lower	Upper
43	100		
74	24.9	20.1	30.1

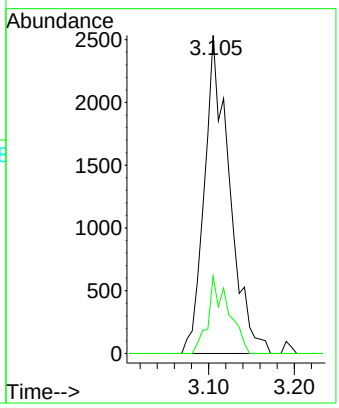




#19
Methyl tert-butyl Ether
Concen: 0.828 ug/l
RT: 3.105 min Scan# 33
Delta R.T. -0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 73 Resp: 5162

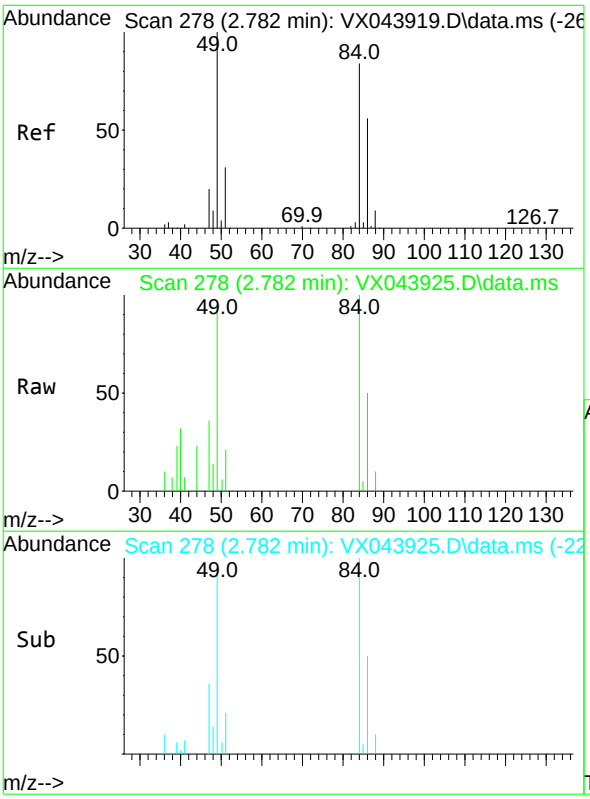
Ion	Ratio	Lower	Upper
73	100		
57	24.3	16.4	24.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

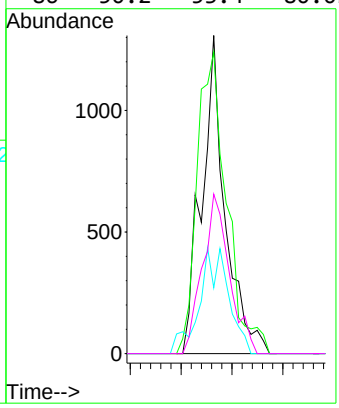
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

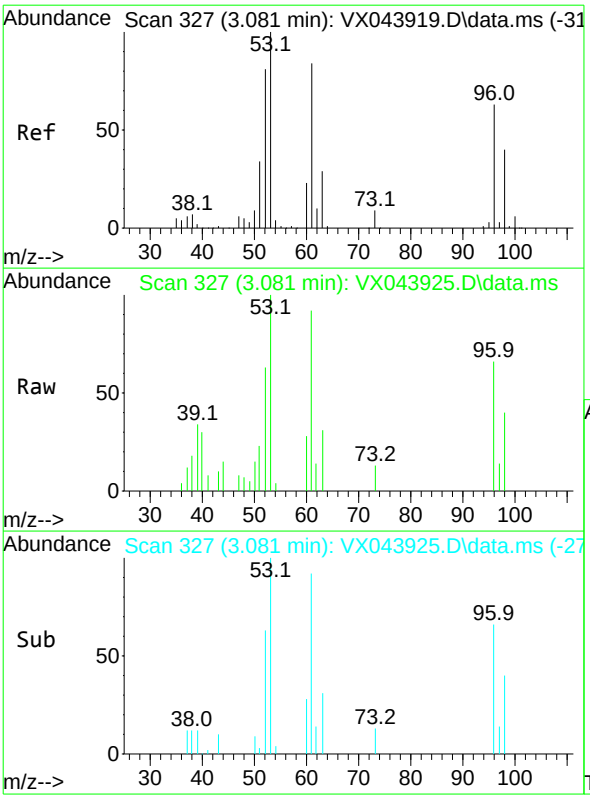


#20
Methylene Chloride
Concen: 1.054 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 84 Resp: 2099

Ion	Ratio	Lower	Upper
84	100		
49	94.8	95.1	142.7#
51	20.7	29.2	43.8#
86	50.2	53.4	80.0#

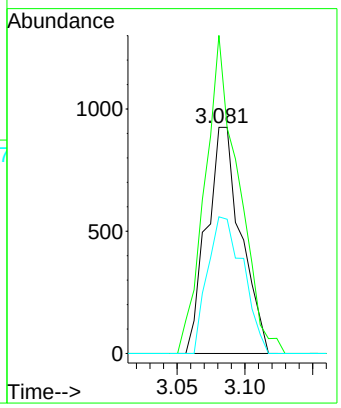




#21
trans-1,2-Dichloroethene
Concen: 0.916 ug/l
RT: 3.081 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 96 Resp: 1624

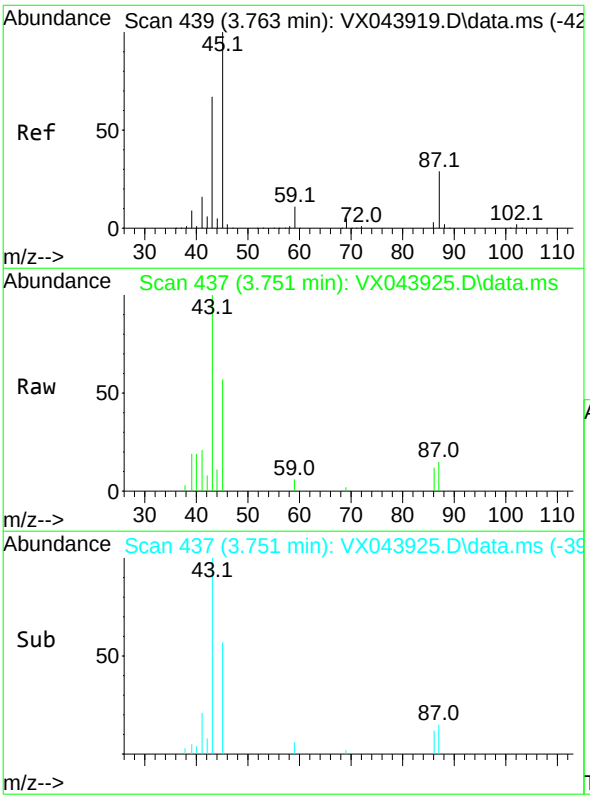
Ion	Ratio	Lower	Upper
96	100		
61	140.6	106.4	159.6
98	60.4	50.9	76.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

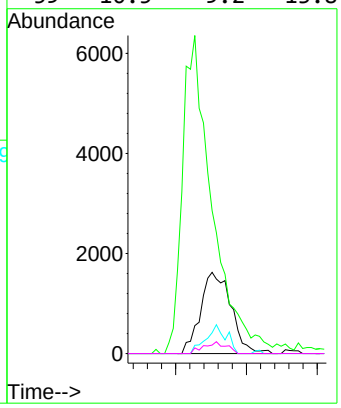
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

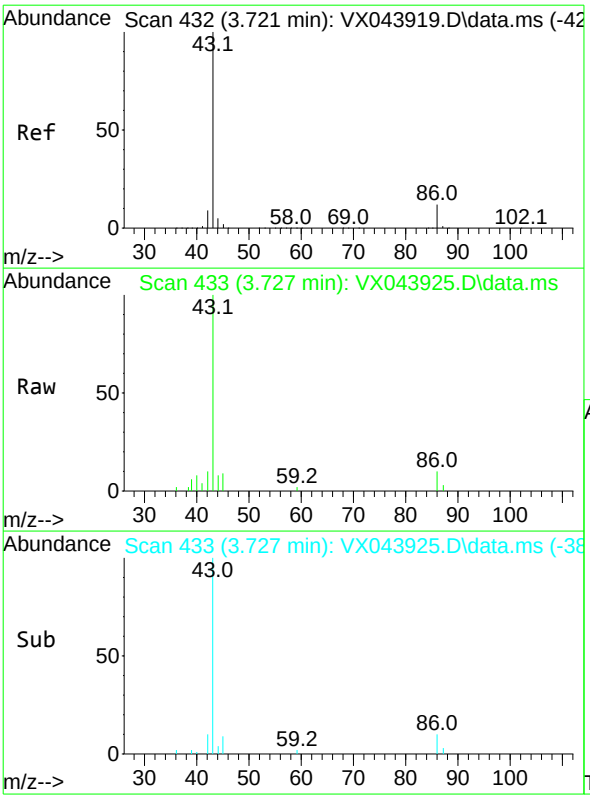


#22
Diisopropyl ether
Concen: 0.814 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 45 Resp: 4882

Ion	Ratio	Lower	Upper
45	100		
43	164.2	53.8	80.6#
87	25.6	23.4	35.2
59	10.5	9.2	13.8

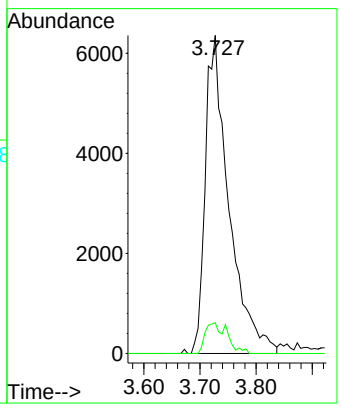




#23
Vinyl Acetate
Concen: 3.613 ug/l
RT: 3.727 min Scan# 43
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 43 Resp: 18541

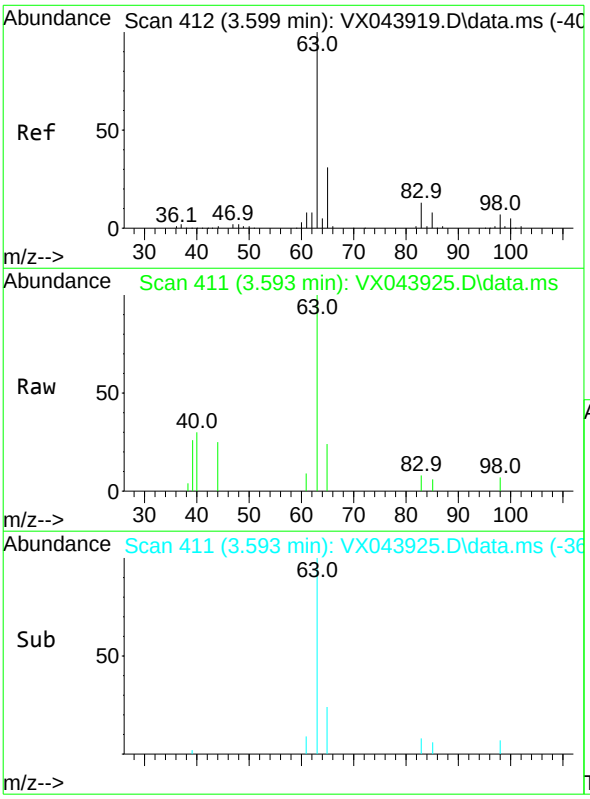
Ion	Ratio	Lower	Upper
43	100		
86	9.7	9.4	14.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

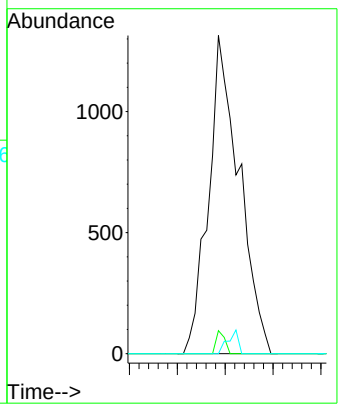
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

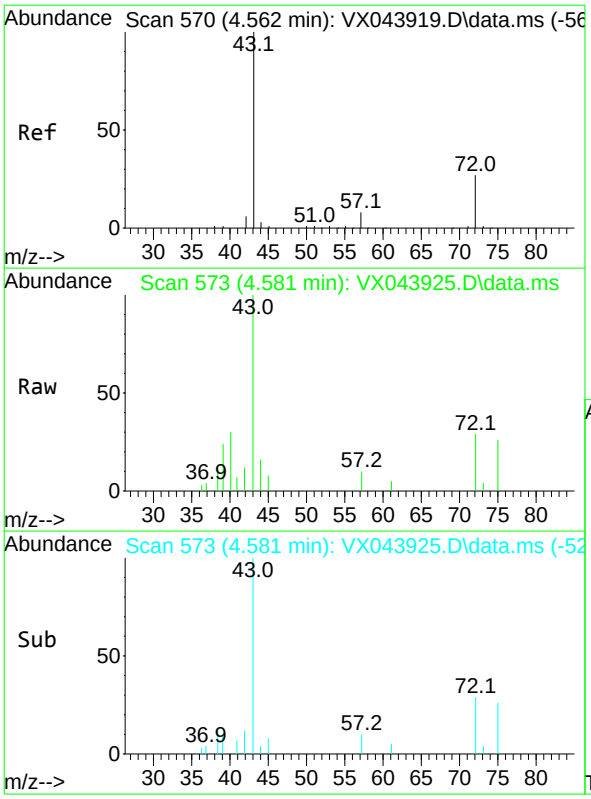


#24
1,1-Dichloroethane
Concen: 0.844 ug/l
RT: 3.593 min Scan# 411
Delta R.T. -0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 63 Resp: 2919

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.7	11.1
100	0.0	2.4	7.2#

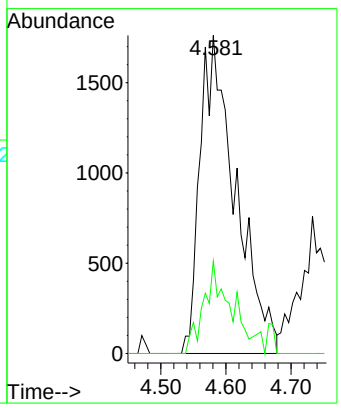




#25
2-Butanone
Concen: 4.408 ug/l
RT: 4.581 min Scan# 57
Delta R.T. 0.019 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 43 Resp: 6676

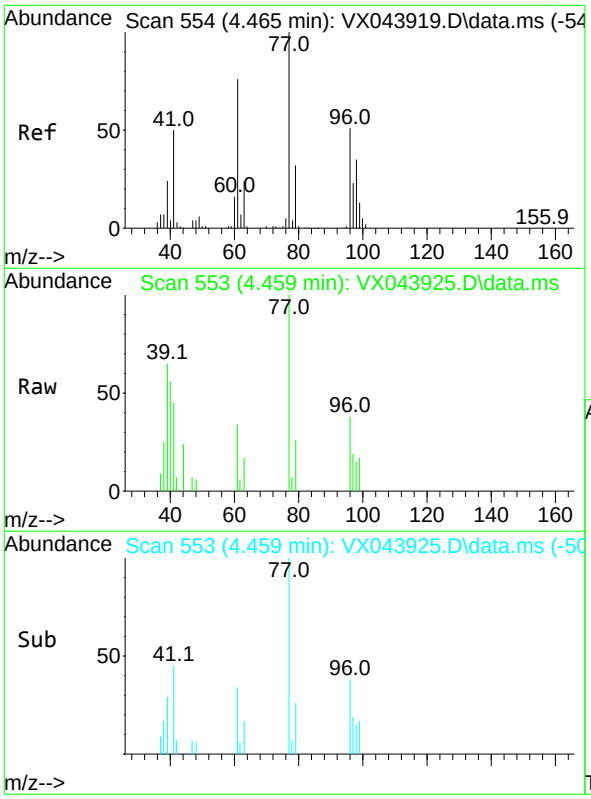
Ion	Ratio	Lower	Upper
43	100		
72	29.1	21.3	31.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

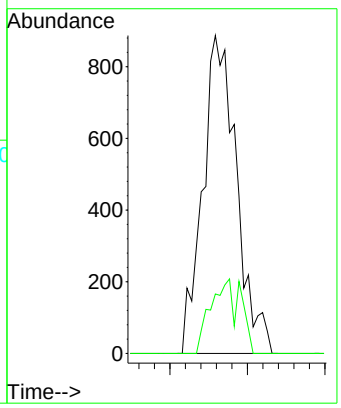
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

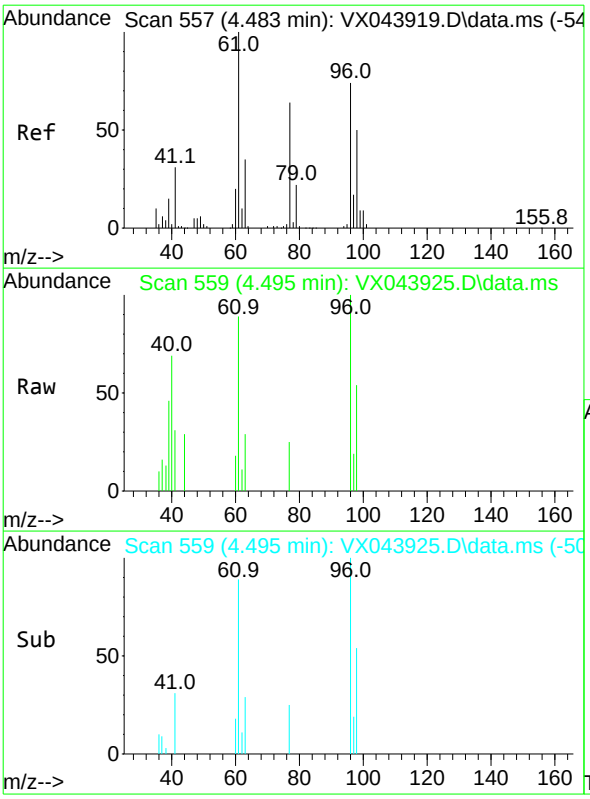


#26
2,2-Dichloropropane
Concen: 0.860 ug/l
RT: 4.459 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 77 Resp: 2687

Ion	Ratio	Lower	Upper
77	100		
97	15.1	11.7	35.1

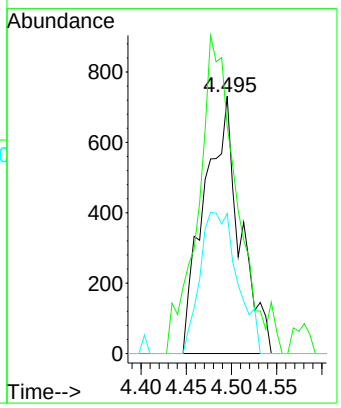




#27
cis-1,2-Dichloroethene
Concen: 0.916 ug/l
RT: 4.495 min Scan# 55
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 96 Resp: 2007

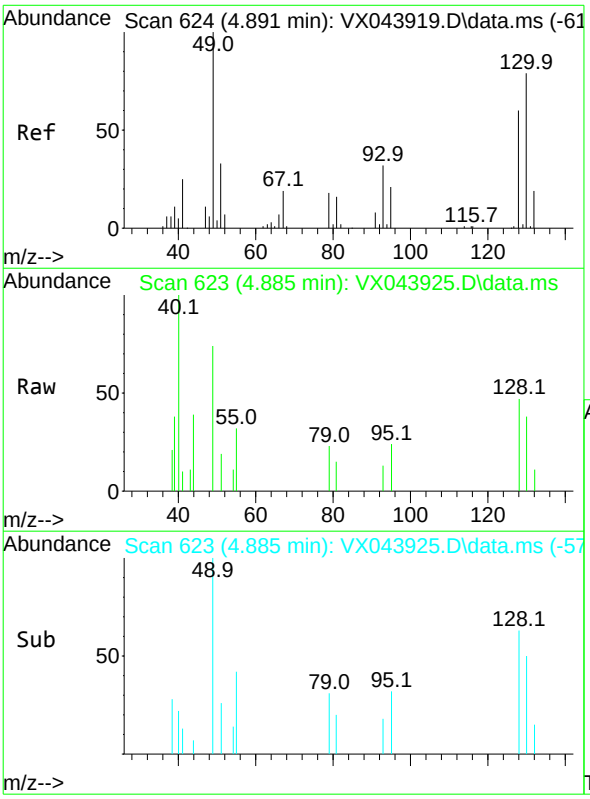
Ion	Ratio	Lower	Upper
96	100		
61	133.7	0.0	279.4
98	57.8	0.0	131.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

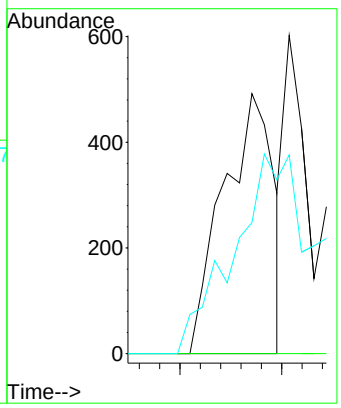
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

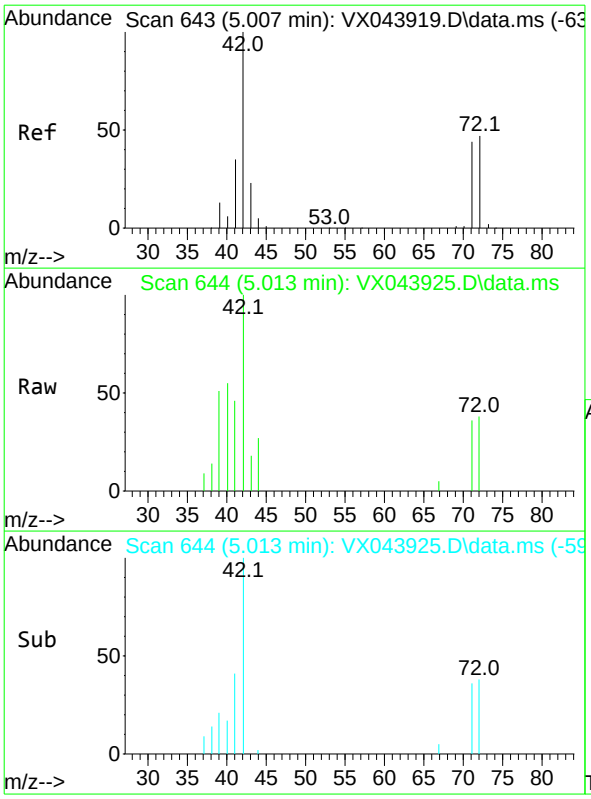


#28
Bromochloromethane
Concen: 0.553 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 49 Resp: 842

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.4
130	118.8	68.2	102.2#





#29
Tetrahydrofuran
Concen: 4.594 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

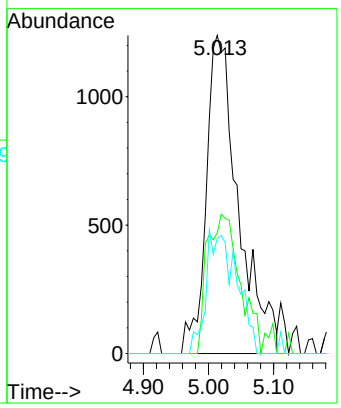
Tgt Ion: 42 Resp: 4264

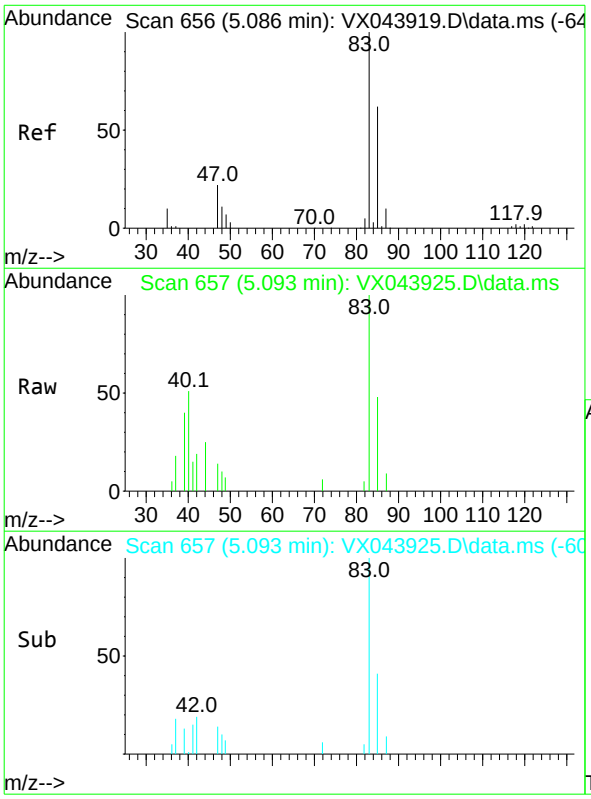
Ion	Ratio	Lower	Upper
42	100		
72	44.5	37.9	56.9
71	36.6	34.8	52.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

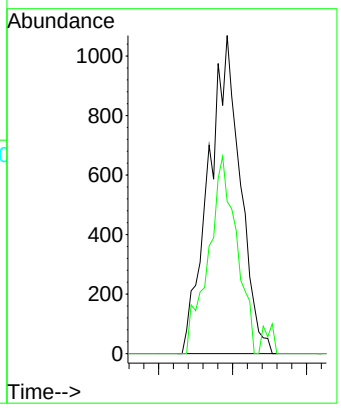


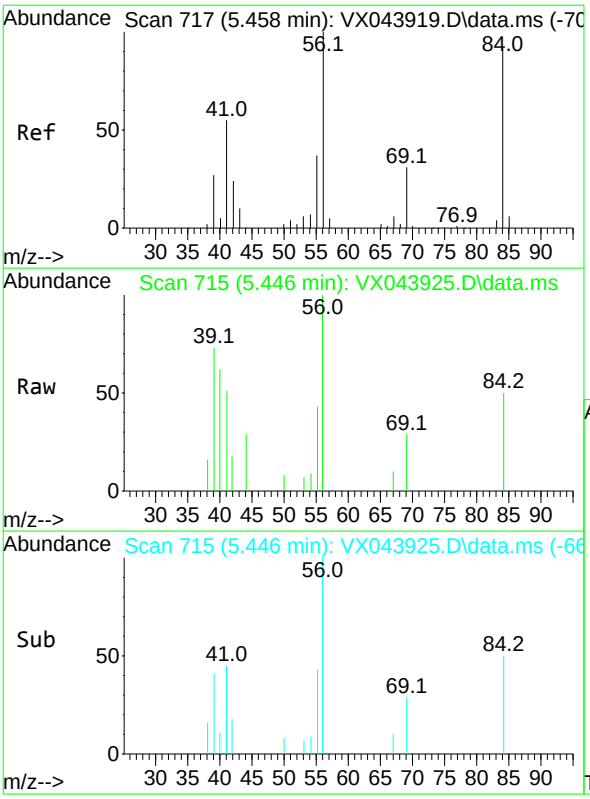


#30
Chloroform
Concen: 0.856 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.007 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 83 Resp: 3187

Ion	Ratio	Lower	Upper
83	100		
85	47.8	49.7	74.5#

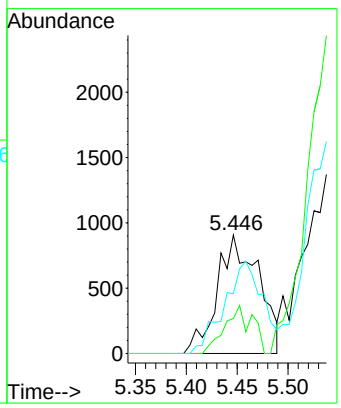




#31
Cyclohexane
Concen: 0.900 ug/l
RT: 5.446 min Scan# 71
Delta R.T. -0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 56 Resp: 2563

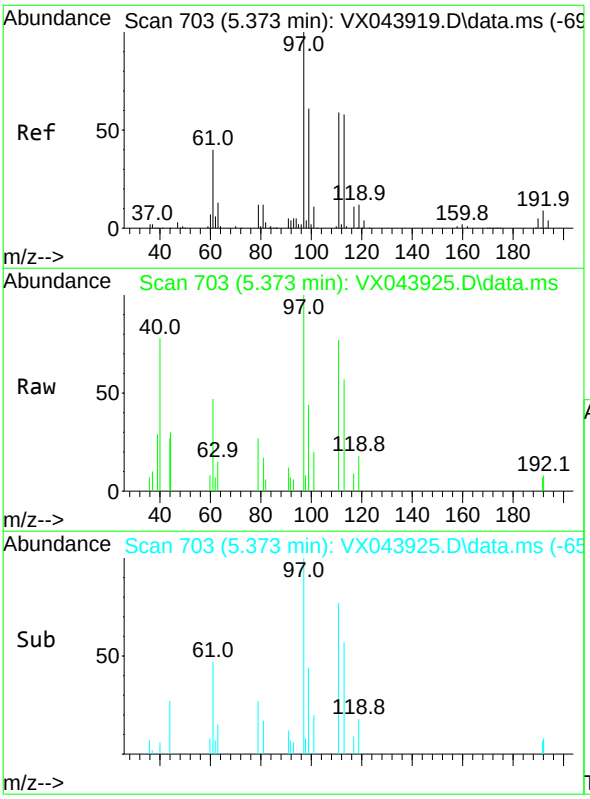
Ion	Ratio	Lower	Upper
56	100		
69	29.4	24.9	37.3
84	50.5	73.8	110.6#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

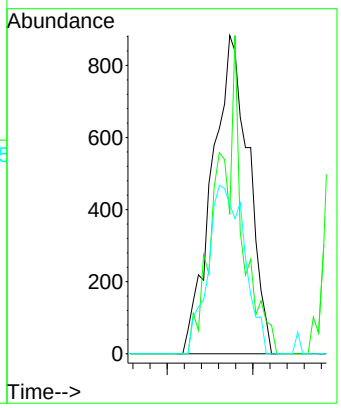
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

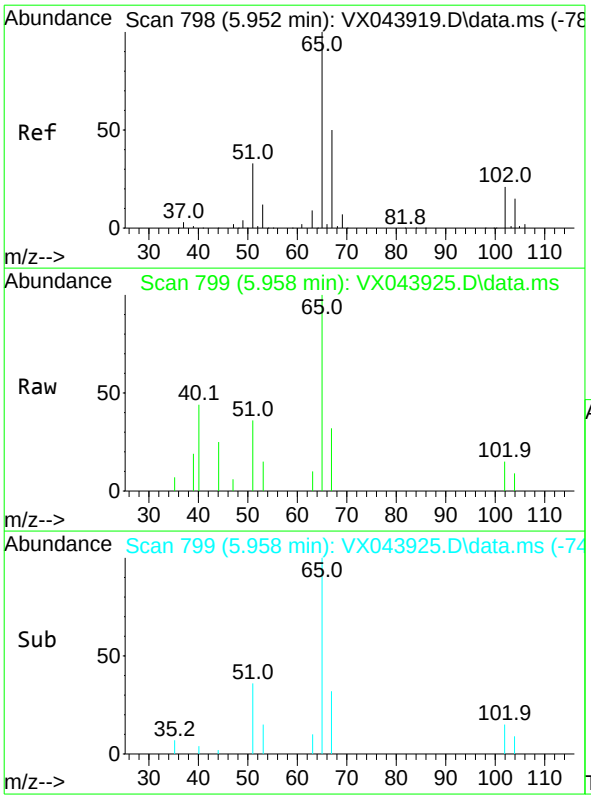


#32
1,1,1-Trichloroethane
Concen: 0.810 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 97 Resp: 2600

Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.2	76.8#
61	53.3	32.9	49.3#

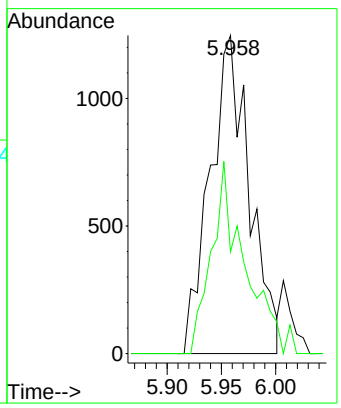




#33
1,2-Dichloroethane-d4
Concen: 1.232 ug/l
RT: 5.958 min Scan# 79
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 65 Resp: 3148

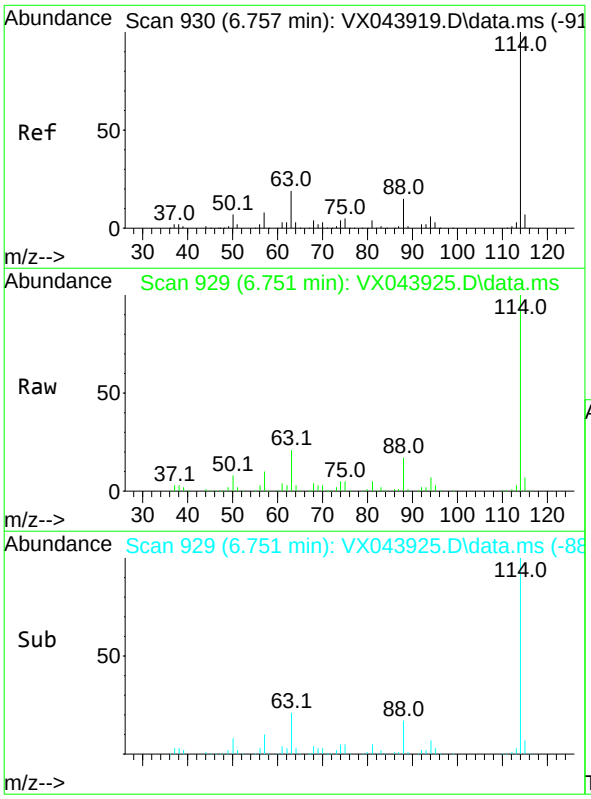
Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	103.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

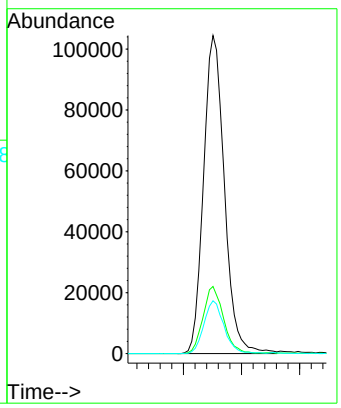
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

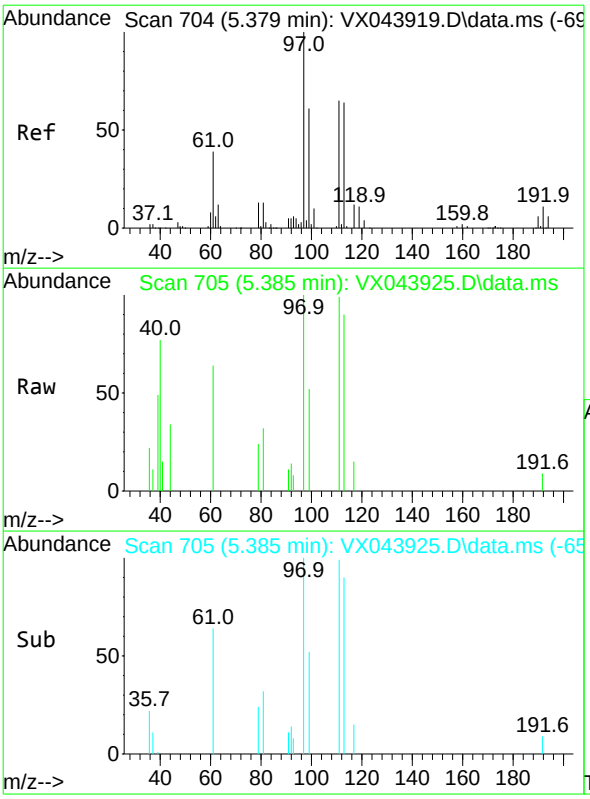


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:114 Resp: 260569

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	39.0
88	16.6	0.0	30.2

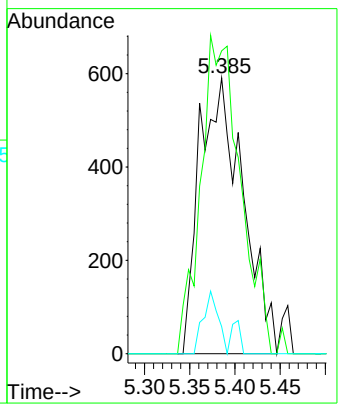




#35
Dibromofluoromethane
Concen: 1.063 ug/l
RT: 5.385 min Scan# 70
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:113 Resp: 1980

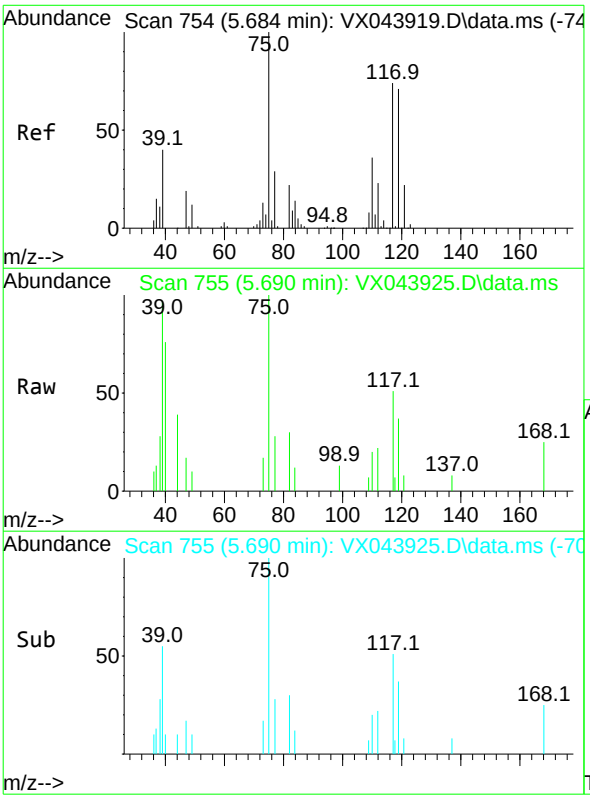
Ion	Ratio	Lower	Upper
113	100		
111	104.8	81.0	121.6
192	7.9	14.2	21.2#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

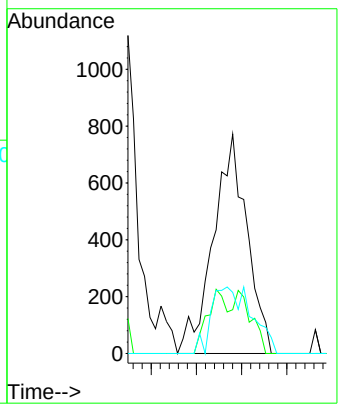
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

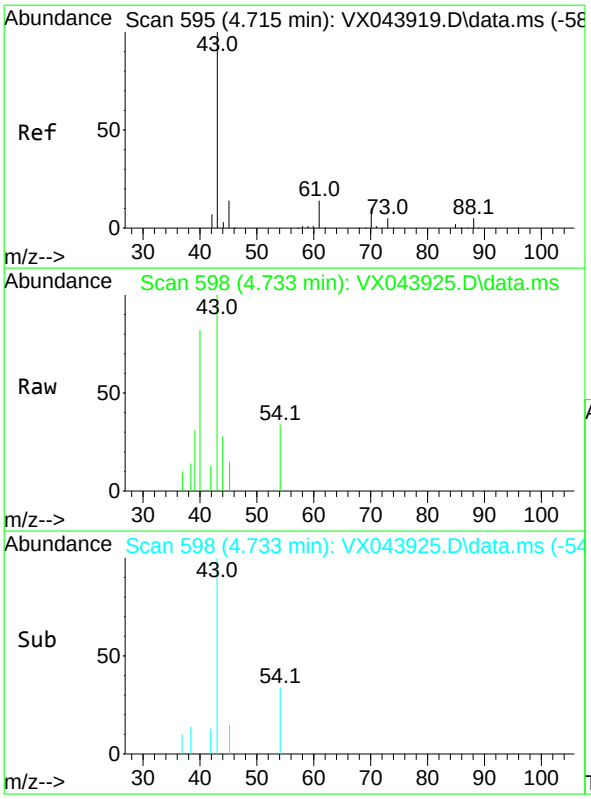


#36
1,1-Dichloropropene
Concen: 0.859 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 75 Resp: 1993

Ion	Ratio	Lower	Upper
75	100		
110	16.7	17.5	52.5#
77	36.6	24.9	37.3

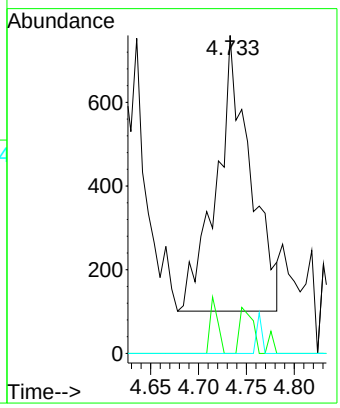




#37
Ethyl Acetate
Concen: 0.584 ug/l
RT: 4.733 min Scan# 59
Delta R.T. 0.018 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 43 Resp: 1632

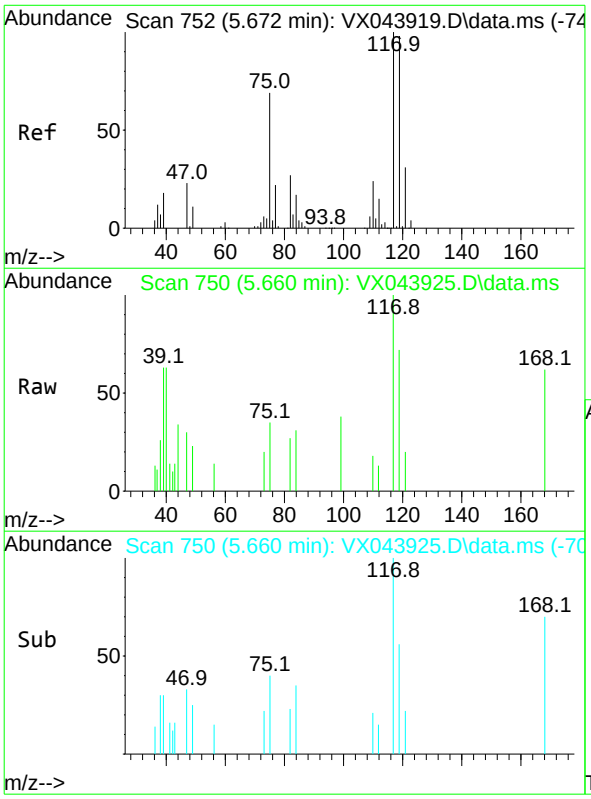
Ion	Ratio	Lower	Upper
43	100		
61	6.3	11.5	17.3#
70	0.0	8.7	13.1#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

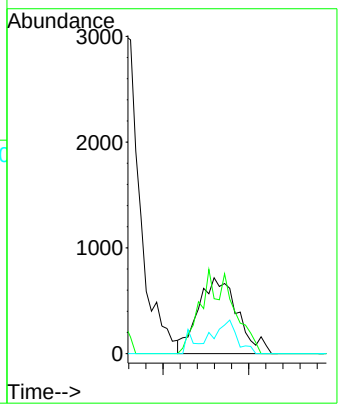
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

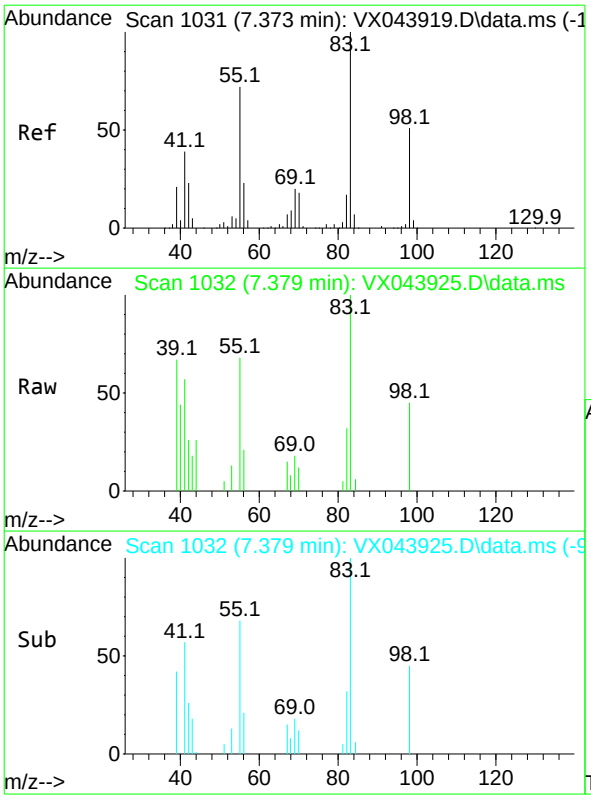


#38
Carbon Tetrachloride
Concen: 0.877 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:117 Resp: 2287

Ion	Ratio	Lower	Upper
117	100		
119	72.4	78.3	117.5#
121	19.7	25.1	37.7#

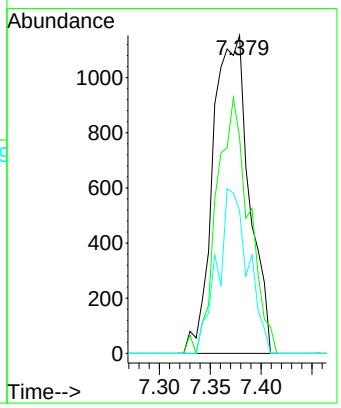




#39
Methylcyclohexane
Concen: 0.941 ug/l
RT: 7.379 min Scan# 10
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 83 Resp: 2835

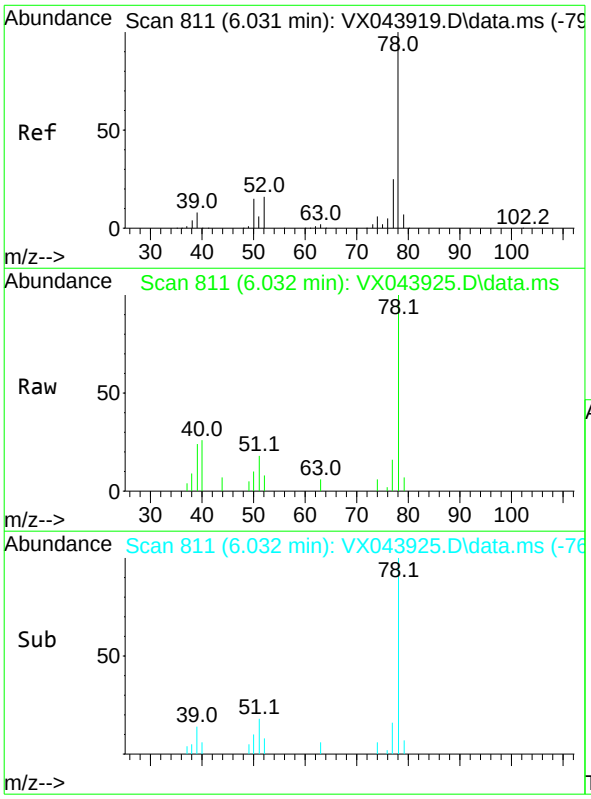
Ion	Ratio	Lower	Upper
83	100		
55	68.0	57.9	86.9
98	44.9	40.5	60.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

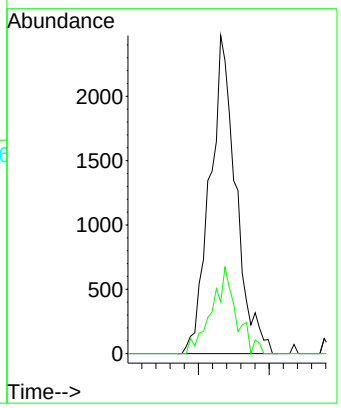
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

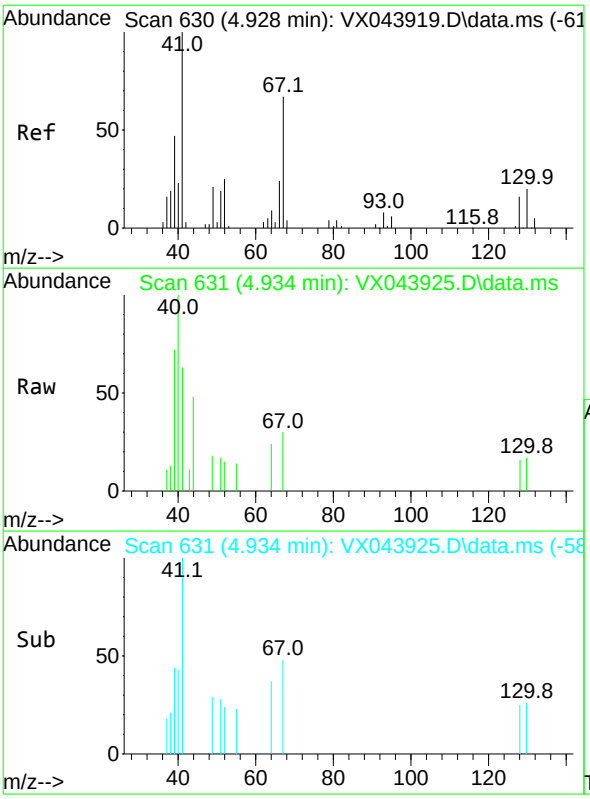


#40
Benzene
Concen: 0.873 ug/l
RT: 6.032 min Scan# 811
Delta R.T. 0.001 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 78 Resp: 6312

Ion	Ratio	Lower	Upper
78	100		
77	16.3	19.8	29.8#

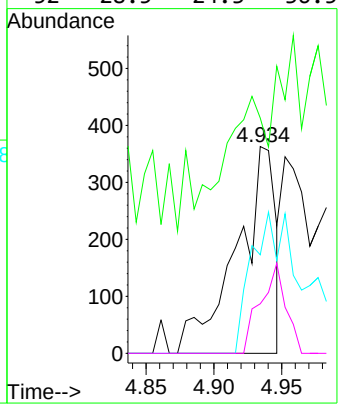




#41
Methacrylonitrile
Concen: 0.487 ug/l
RT: 4.934 min Scan# 63
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 41 Resp: 724

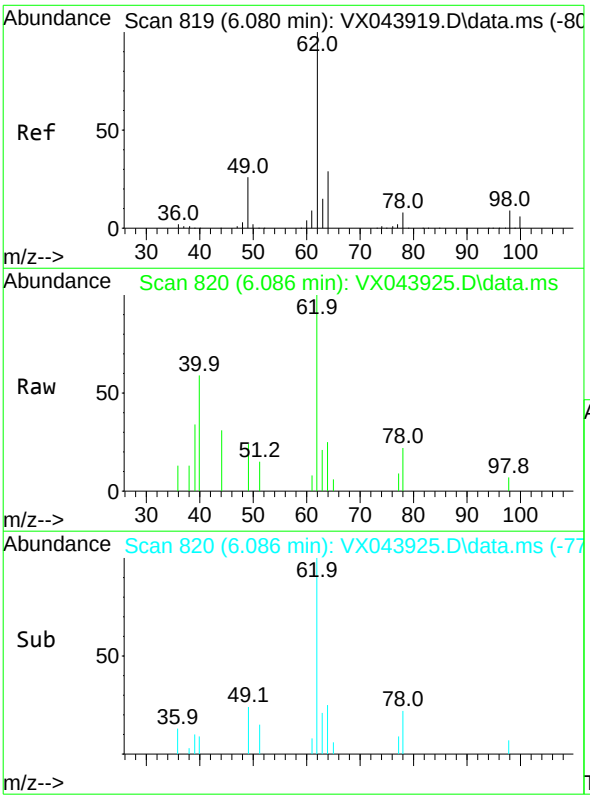
Ion	Ratio	Lower	Upper
41	100		
39	34.9	41.2	61.8#
67	89.8	60.3	90.5
52	28.5	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

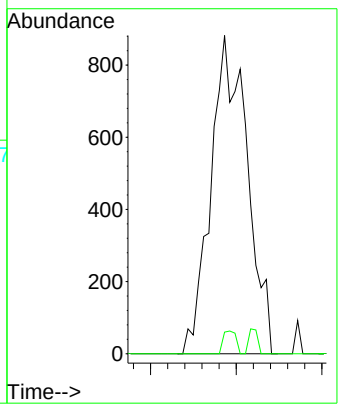
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

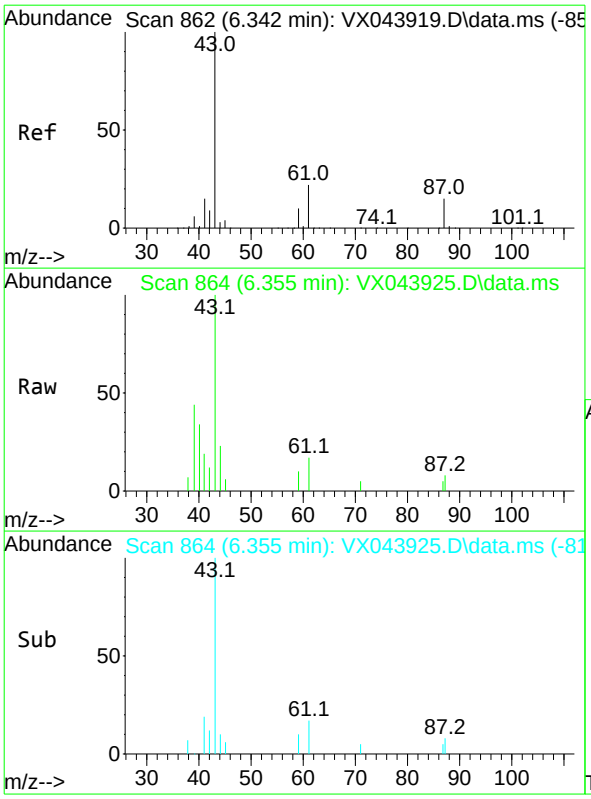


#42
1,2-Dichloroethane
Concen: 0.896 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 62 Resp: 2602

Ion	Ratio	Lower	Upper
62	100		
98	2.5	0.0	18.6





#43
Isopropyl Acetate
Concen: 0.847 ug/l
RT: 6.355 min Scan# 86
Delta R.T. 0.013 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

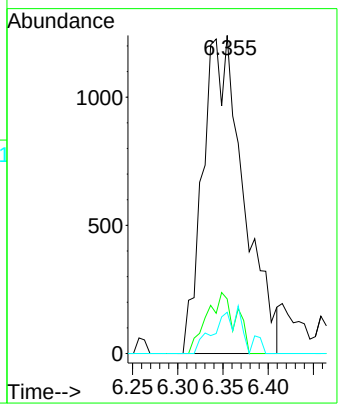
Tgt Ion: 43 Resp: 3881

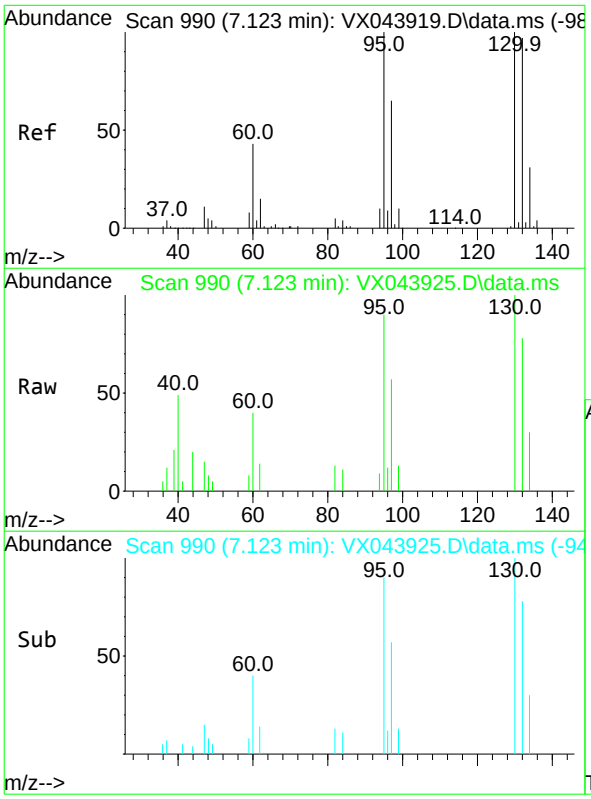
Ion	Ratio	Lower	Upper
43	100		
61	13.8	16.9	25.3#
87	8.9	11.9	17.9#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

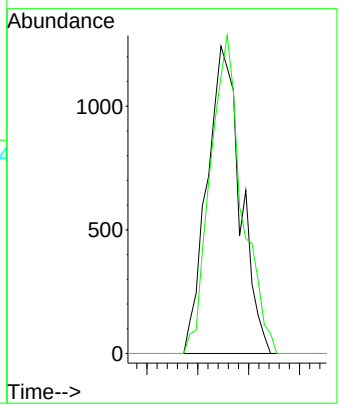


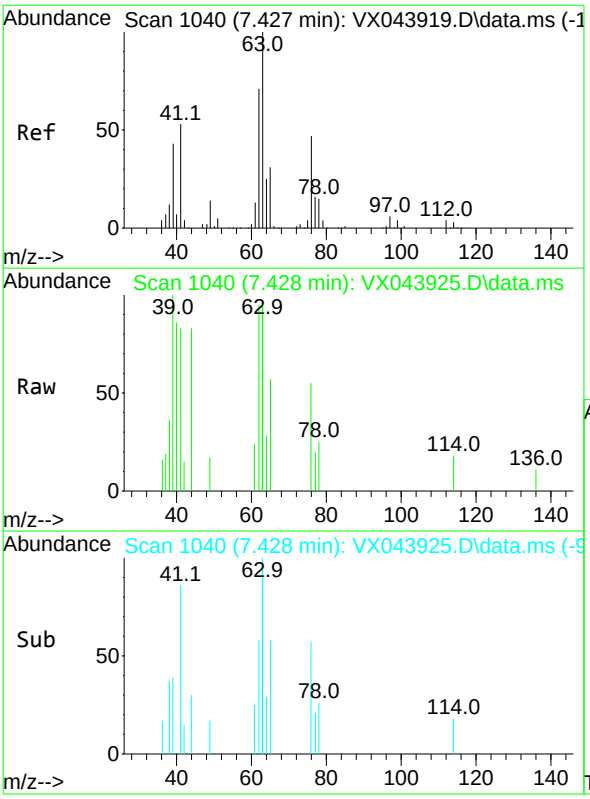


#44
Trichloroethene
Concen: 1.393 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:130 Resp: 2850

Ion	Ratio	Lower	Upper
130	100		
95	90.0	0.0	200.8

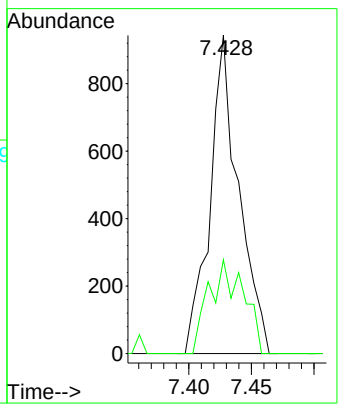




#45
1,2-Dichloropropane
Concen: 0.849 ug/l
RT: 7.428 min Scan# 10
Delta R.T. 0.001 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 63 Resp: 1503

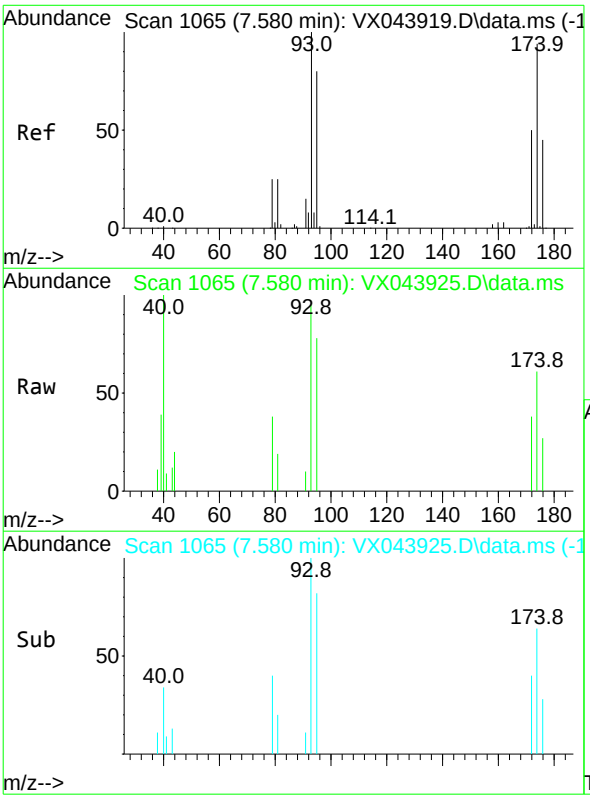
Ion	Ratio	Lower	Upper
63	100		
65	29.5	24.5	36.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

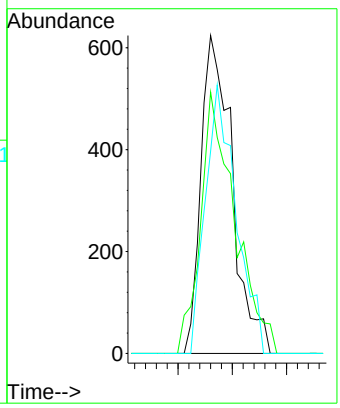
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

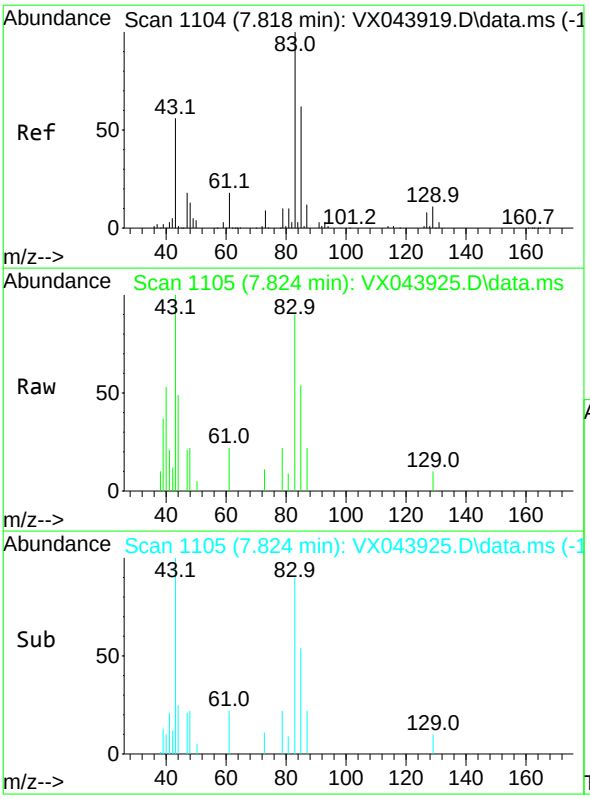


#46
Dibromomethane
Concen: 0.890 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 93 Resp: 1246

Ion	Ratio	Lower	Upper
93	100		
95	90.4	66.1	99.1
174	83.1	75.2	112.8

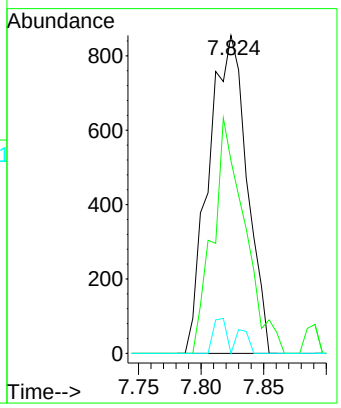




#47
Bromodichloromethane
Concen: 0.724 ug/l
RT: 7.824 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 83 Resp: 1819

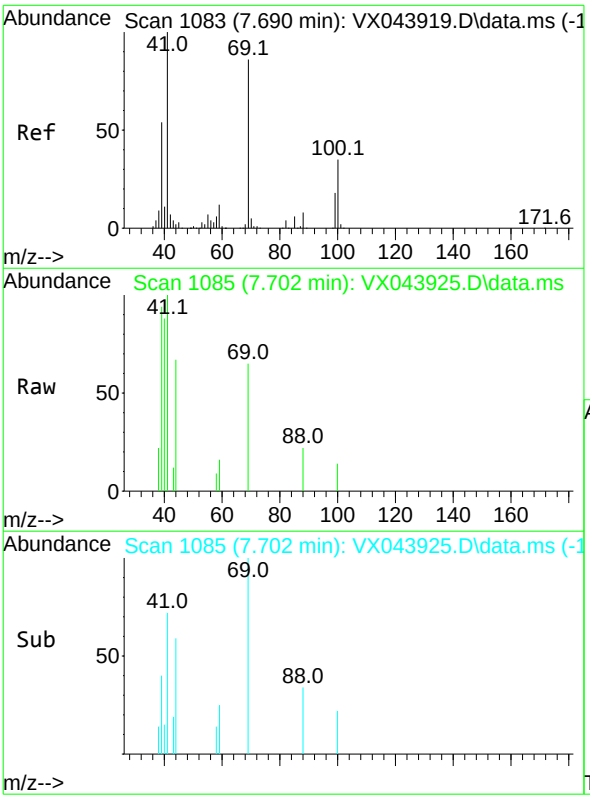
Ion	Ratio	Lower	Upper
83	100		
85	60.6	49.4	74.0
127	0.0	6.2	9.4#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

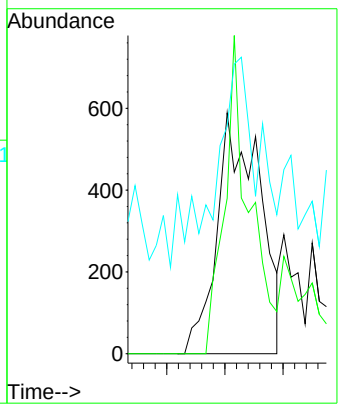
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

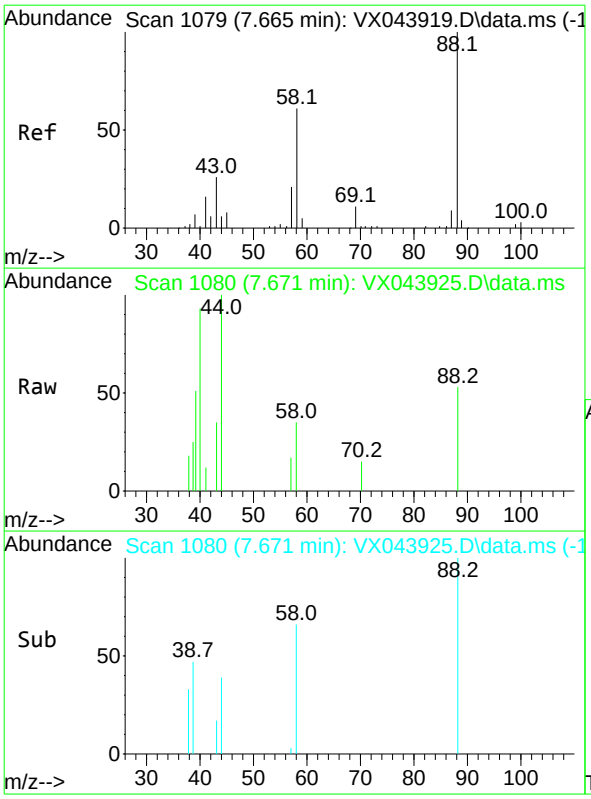


#48
Methyl methacrylate
Concen: 0.714 ug/l
RT: 7.702 min Scan# 1085
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 41 Resp: 1511

Ion	Ratio	Lower	Upper
41	100		
69	76.8	72.1	108.1
39	53.8	43.8	65.8

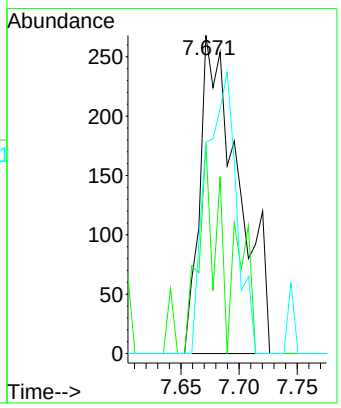




#49
1,4-Dioxane
Concen: 18.330 ug/l
RT: 7.671 min Scan# 10
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 88 Resp: 613

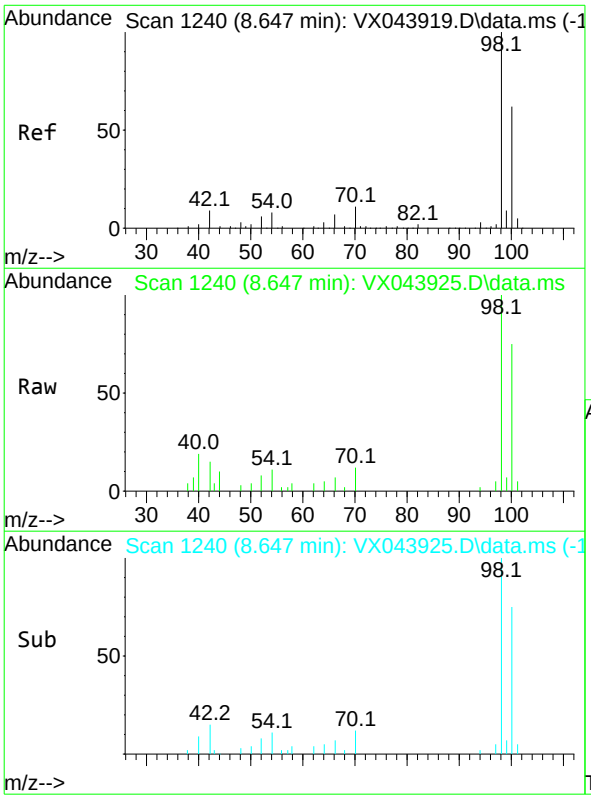
Ion	Ratio	Lower	Upper
88	100		
43	31.0	17.4	26.0#
58	0.0	41.0	61.6#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

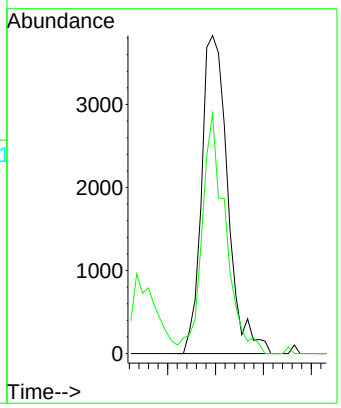
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

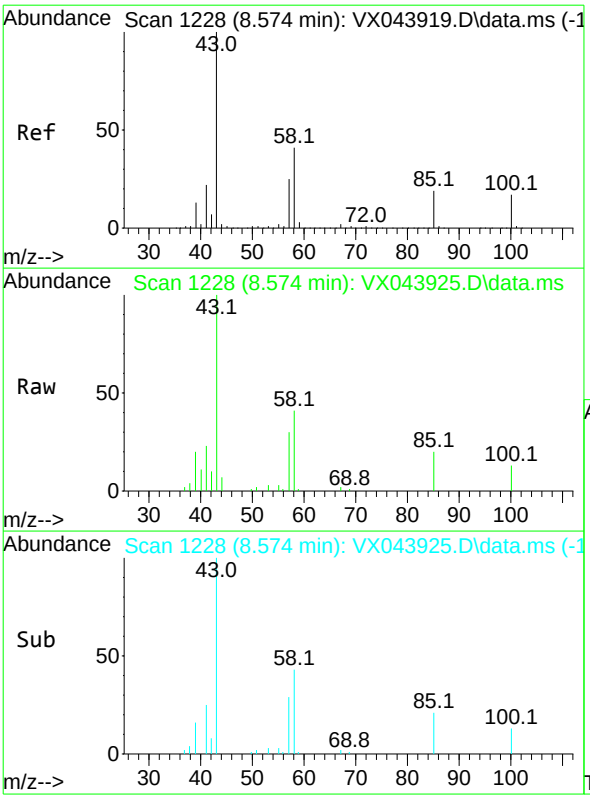


#50
Toluene-d8
Concen: 1.132 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 98 Resp: 7267

Ion	Ratio	Lower	Upper
98	100		
100	67.5	53.0	79.6





#51
4-Methyl-2-Pentanone
Concen: 4.073 ug/l
RT: 8.574 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

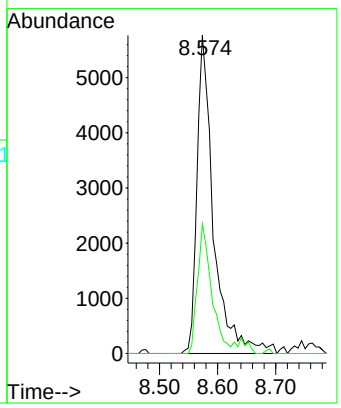
Tgt Ion: 43 Resp: 11392

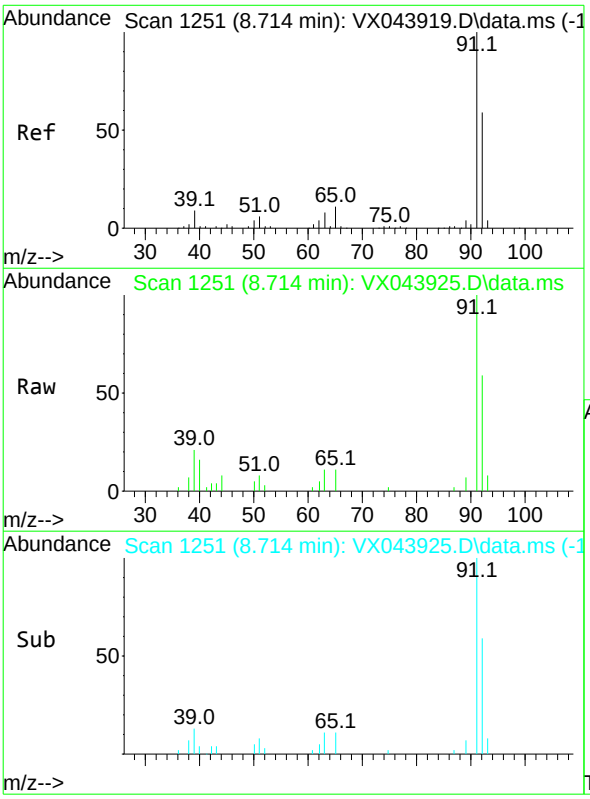
Ion	Ratio	Lower	Upper
43	100		
58	34.9	32.4	48.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

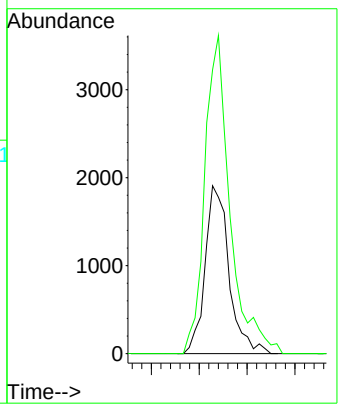


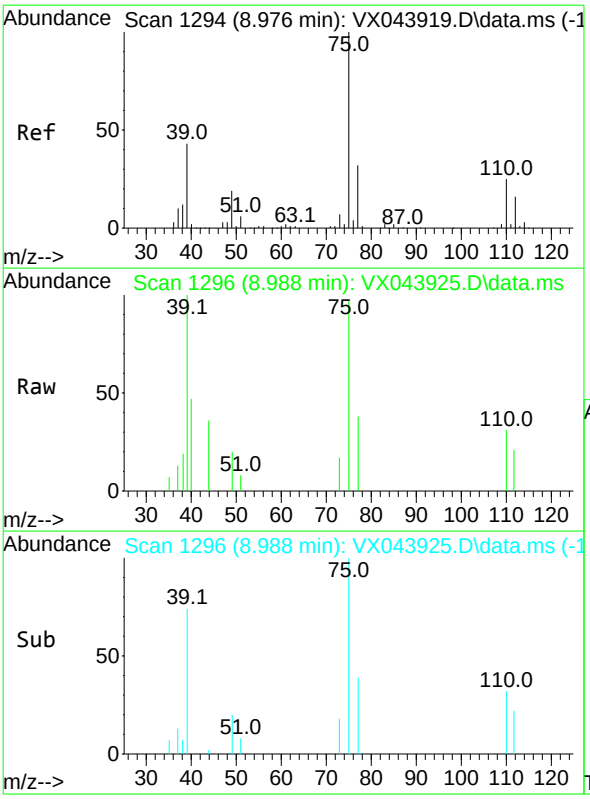


#52
Toluene
Concen: 0.766 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 92 Resp: 3313

Ion	Ratio	Lower	Upper
92	100		
91	199.1	136.2	204.4

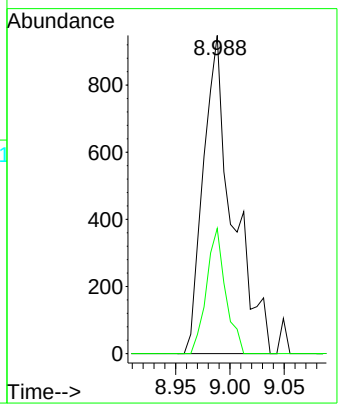




#53
t-1,3-Dichloropropene
Concen: 0.694 ug/l
RT: 8.988 min Scan# 12
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 75 Resp: 1776

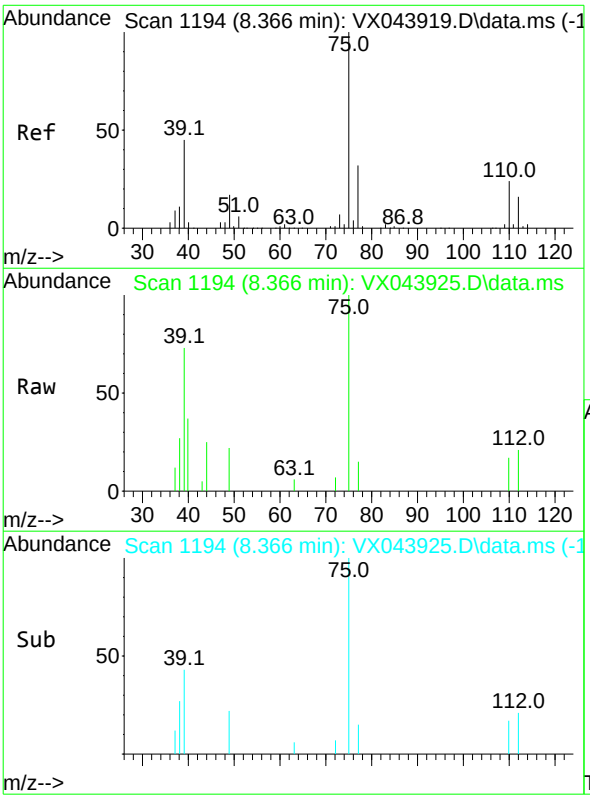
Ion	Ratio	Lower	Upper
75	100		
77	39.3	25.9	38.9#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

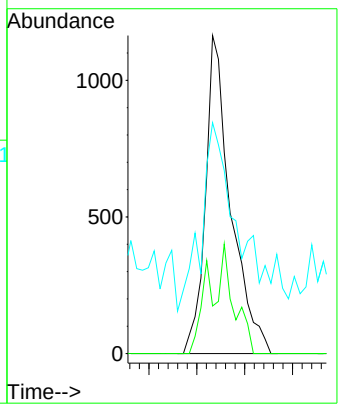
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

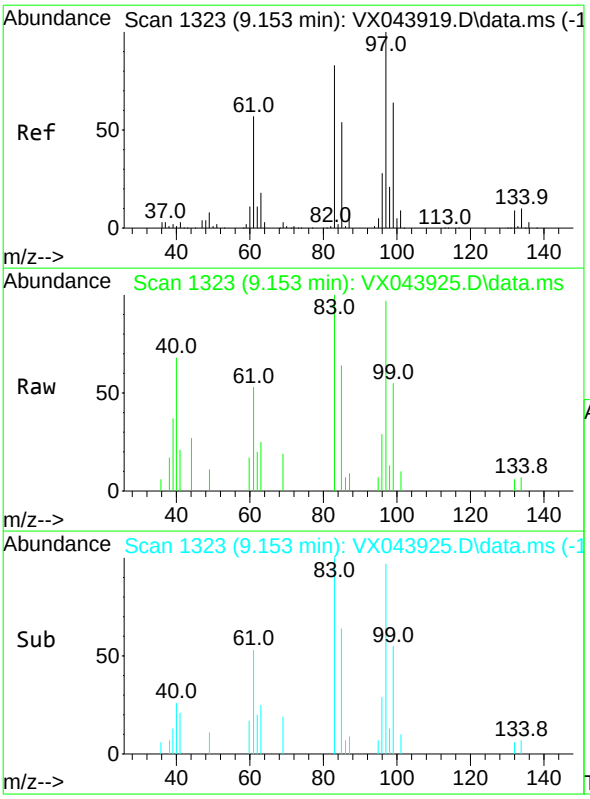


#54
cis-1,3-Dichloropropene
Concen: 0.759 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 75 Resp: 2132

Ion	Ratio	Lower	Upper
75	100		
77	14.9	25.4	38.2#
39	59.3	36.1	54.1#





#55
1,1,2-Trichloroethane
Concen: 0.838 ug/l
RT: 9.153 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

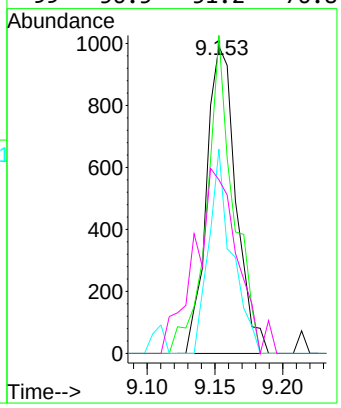
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

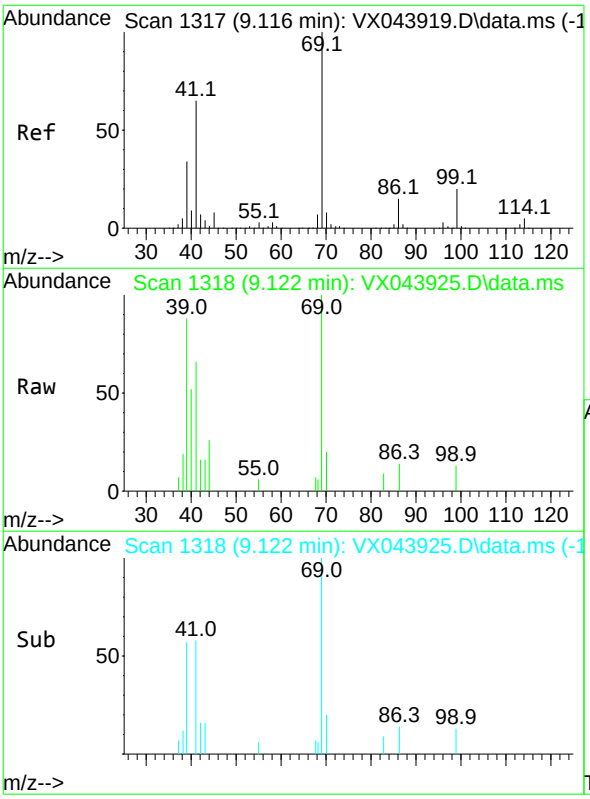
Tgt Ion: 97 Resp: 1496

Ion	Ratio	Lower	Upper
97	100		
83	103.5	66.5	99.7#
85	66.5	43.4	65.2#
99	56.5	51.2	76.8

Manual Integrations
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Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

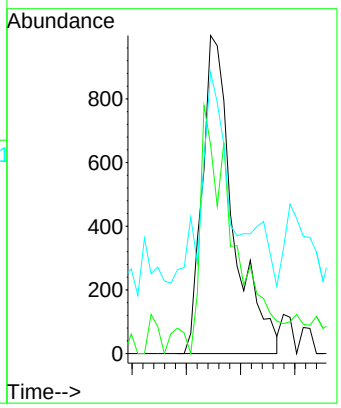


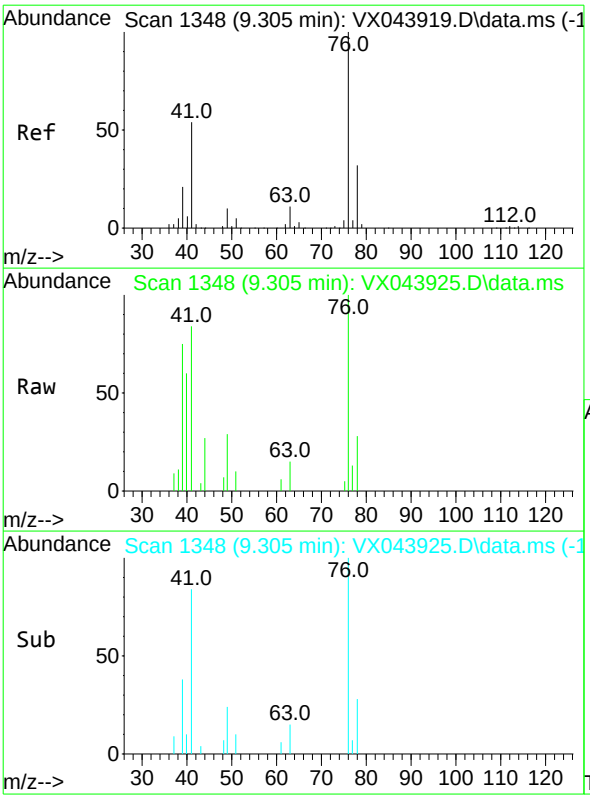


#56
Ethyl methacrylate
Concen: 0.709 ug/l
RT: 9.122 min Scan# 1318
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 69 Resp: 1973

Ion	Ratio	Lower	Upper
69	100		
41	85.3	51.7	77.5#
39	56.7	26.8	40.2#

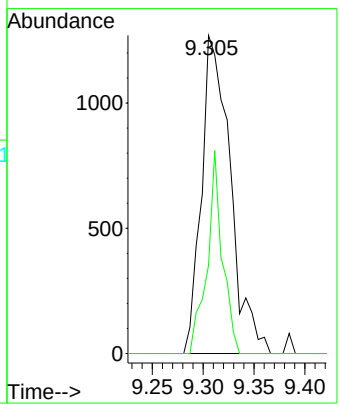




#57
1,3-Dichloropropane
Concen: 0.832 ug/l
RT: 9.305 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 76 Resp: 2502

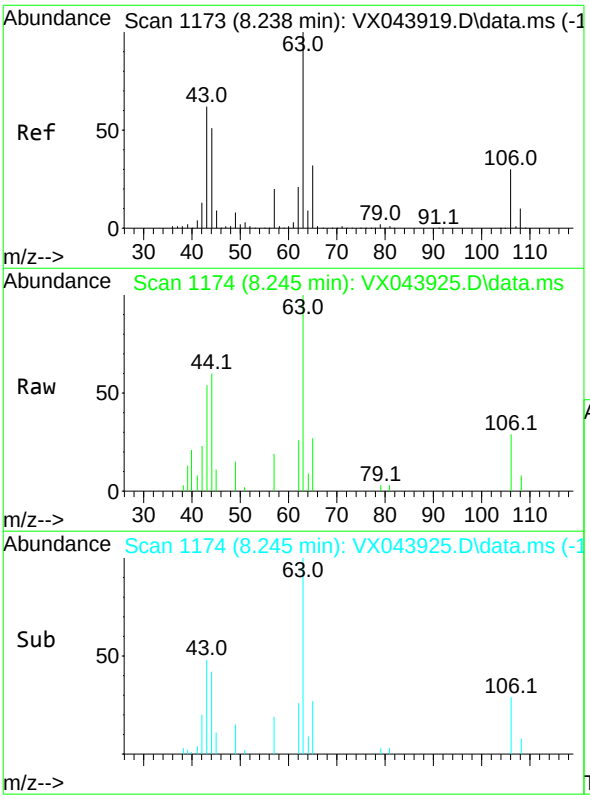
Ion	Ratio	Lower	Upper
76	100		
78	33.6	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

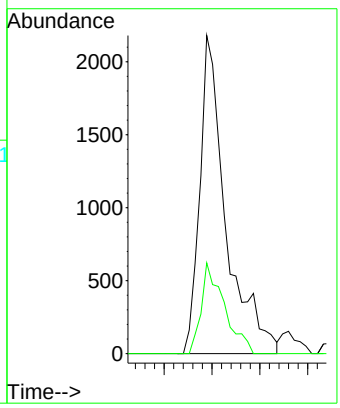
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

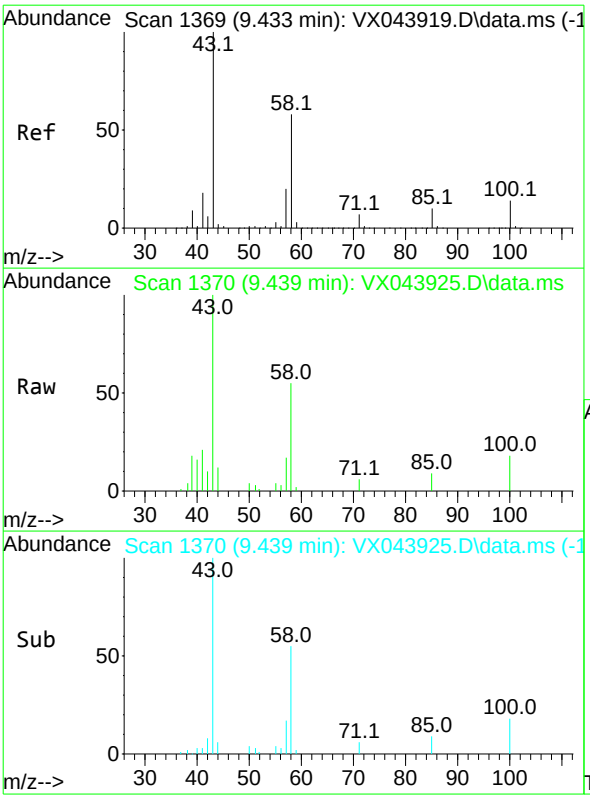


#58
2-Chloroethyl Vinyl ether
Concen: 2.662 ug/l
RT: 8.245 min Scan# 1174
Delta R.T. 0.007 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 63 Resp: 4135

Ion	Ratio	Lower	Upper
63	100		
106	25.2	23.8	35.6

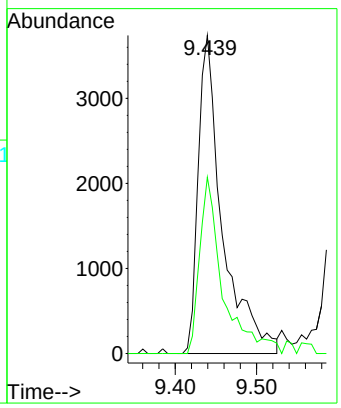




#59
2-Hexanone
Concen: 3.675 ug/l
RT: 9.439 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 43 Resp: 7726

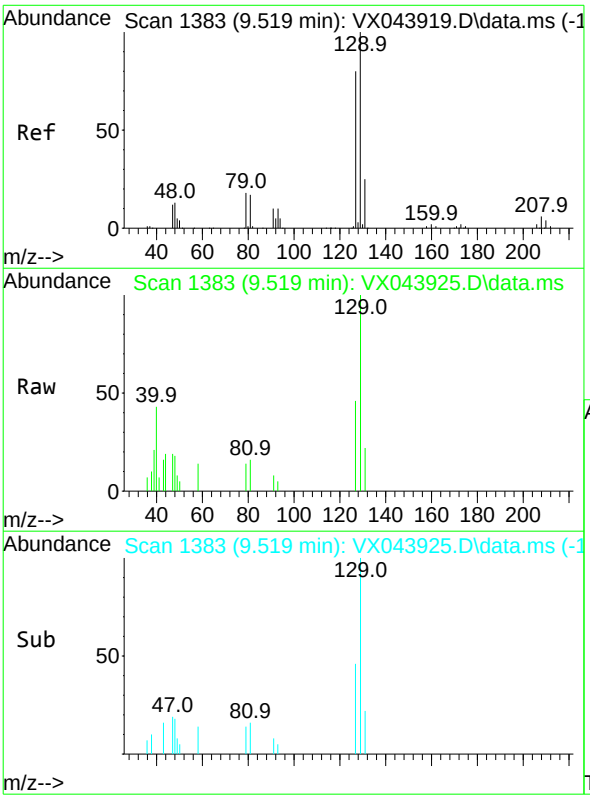
Ion	Ratio	Lower	Upper
43	100		
58	52.6	28.3	84.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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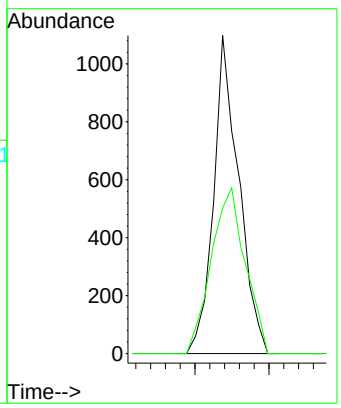
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

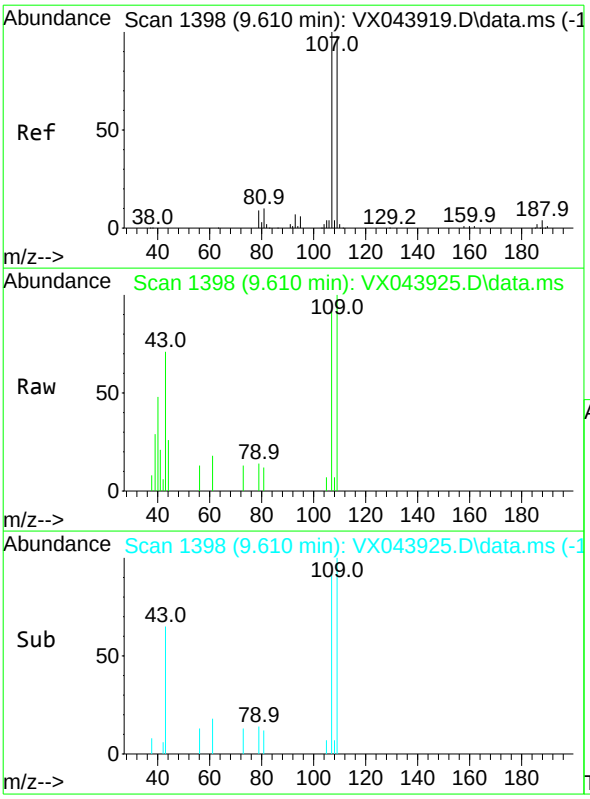


#60
Dibromochloromethane
Concen: 0.723 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:129 Resp: 1296

Ion	Ratio	Lower	Upper
129	100		
127	70.6	38.6	115.8

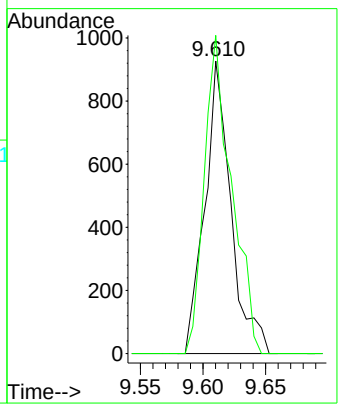




#61
1,2-Dibromoethane
Concen: 0.743 ug/l
RT: 9.610 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:107 Resp: 1342

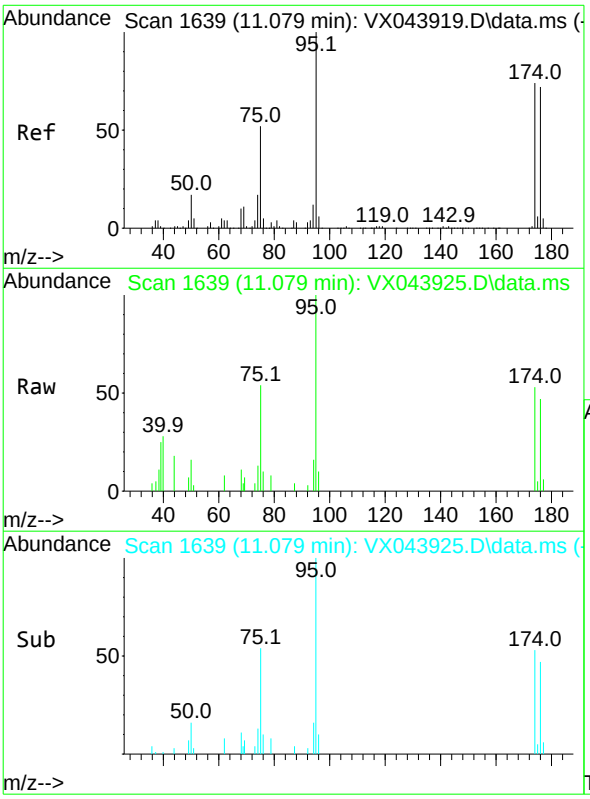
Ion	Ratio	Lower	Upper
107	100		
109	113.3	76.2	114.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

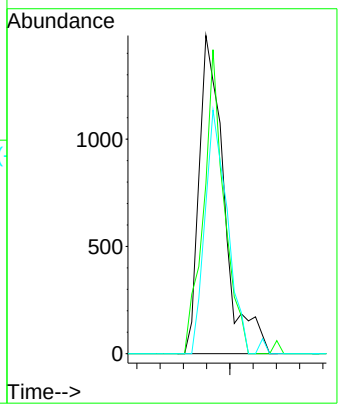
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

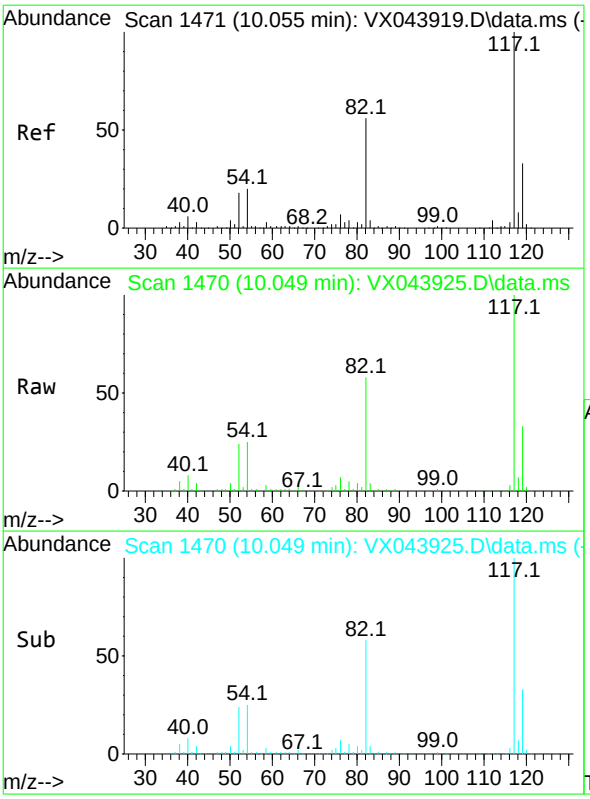


#62
4-Bromofluorobenzene
Concen: 1.015 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 95 Resp: 2216

Ion	Ratio	Lower	Upper
95	100		
174	78.8	0.0	152.2
176	68.4	0.0	145.8

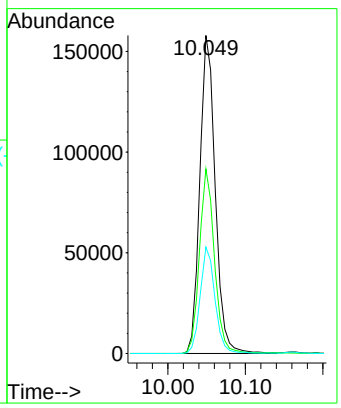




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:117 Resp: 218244

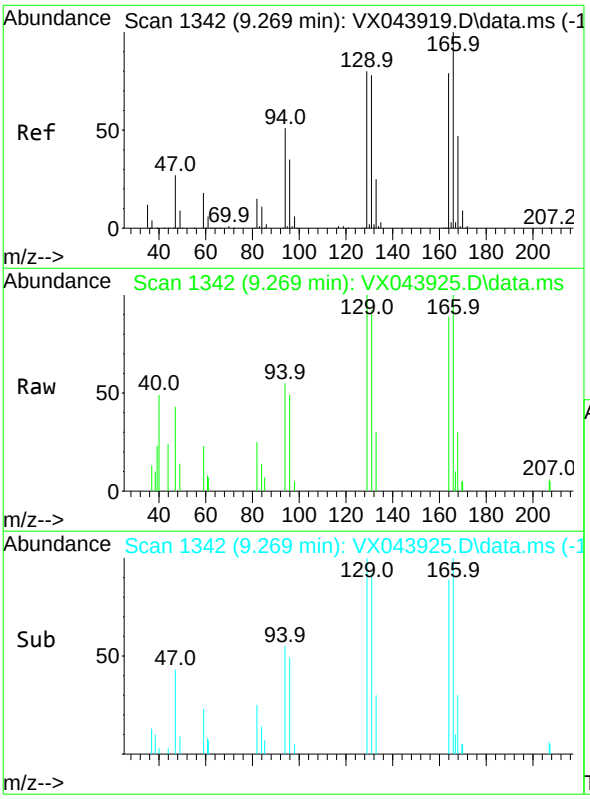
Ion	Ratio	Lower	Upper
117	100		
82	58.1	44.6	67.0
119	33.5	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

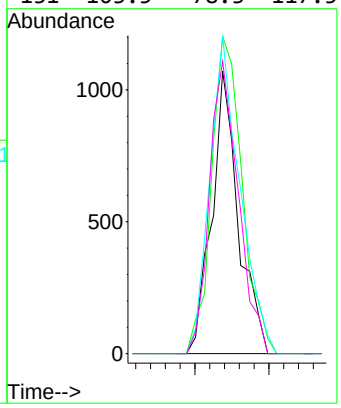
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

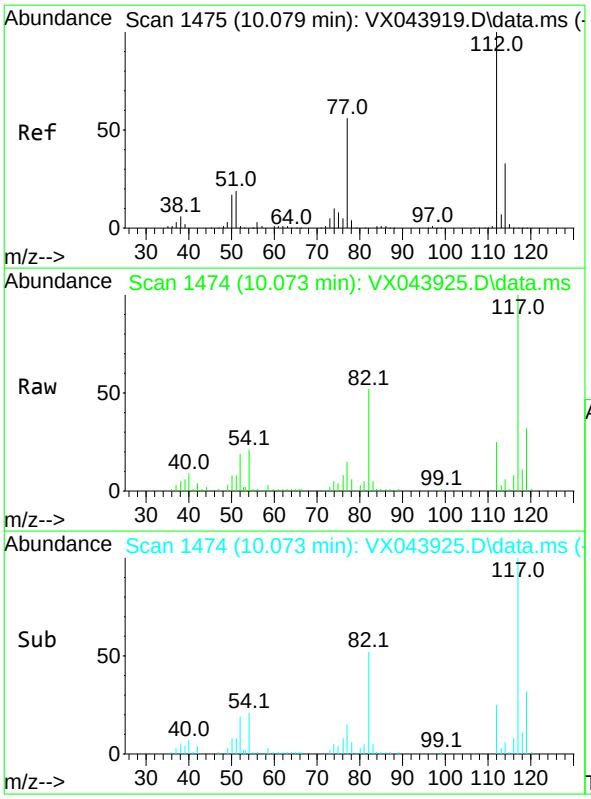


#64
Tetrachloroethene
Concen: 0.924 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:164 Resp: 1329

Ion	Ratio	Lower	Upper
164	100		
166	112.3	100.9	151.3
129	112.6	80.3	120.5
131	103.5	78.3	117.5





#65
Chlorobenzene
Concen: 0.957 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

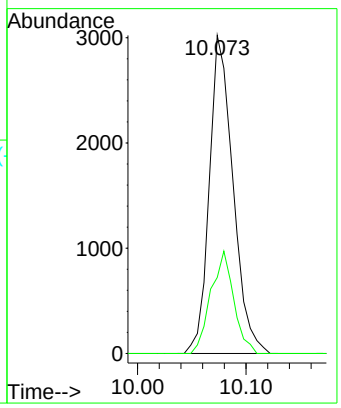
Tgt Ion:112 Resp: 4585

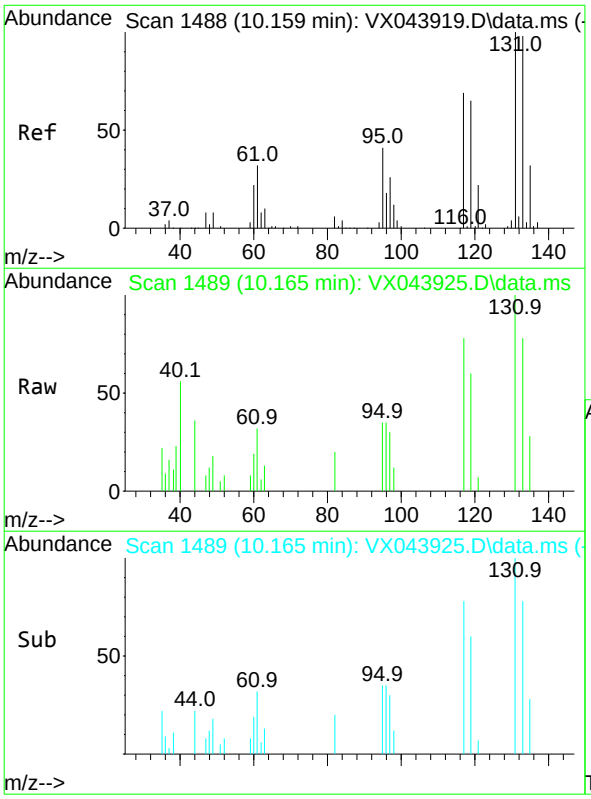
Ion	Ratio	Lower	Upper
112	100		
114	23.9	26.1	39.1#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

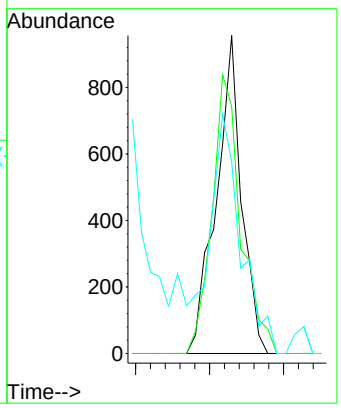


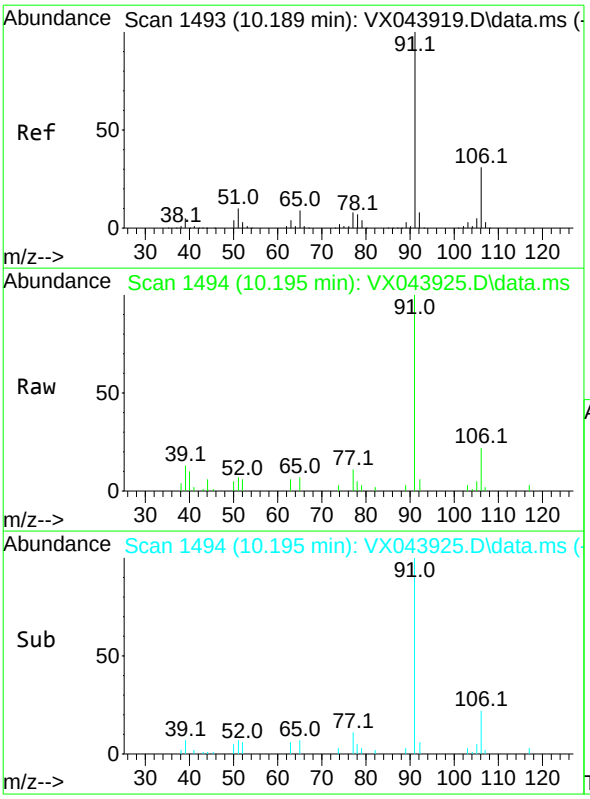


#66
1,1,1,2-Tetrachloroethane
Concen: 0.731 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:131 Resp: 1136

Ion	Ratio	Lower	Upper
131	100		
133	100.0	48.8	146.3
119	0.0	32.9	98.7#





#67
Ethyl Benzene
Concen: 0.848 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

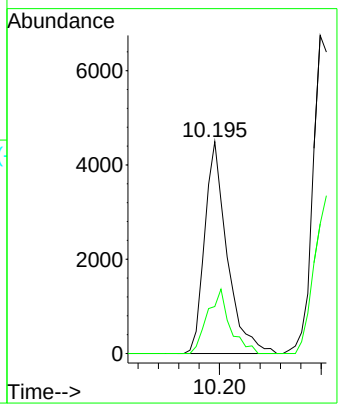
Tgt Ion: 91 Resp: 6890

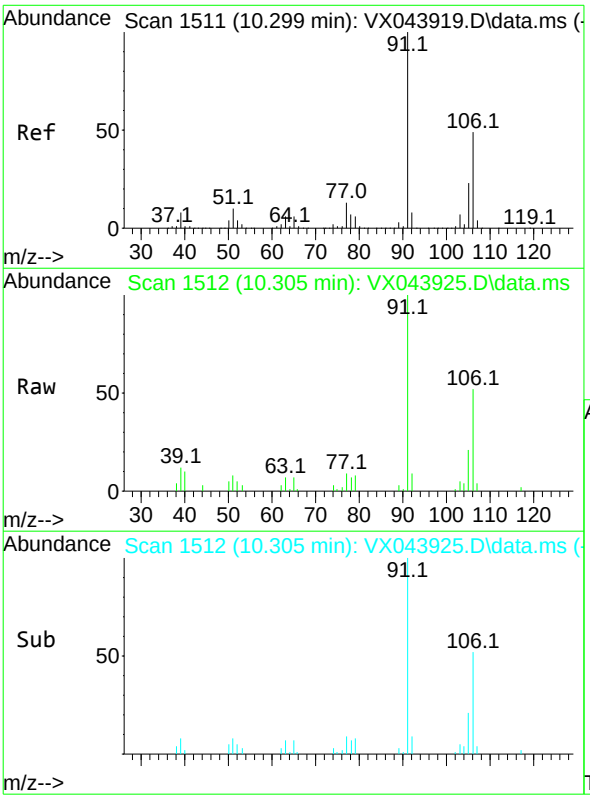
Ion	Ratio	Lower	Upper
91	100		
106	22.2	25.0	37.4#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

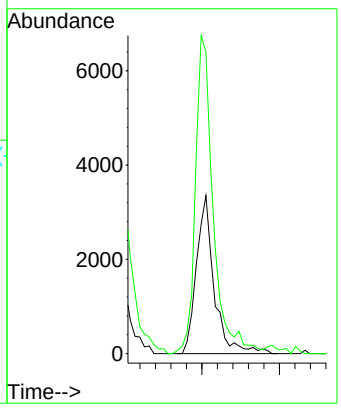


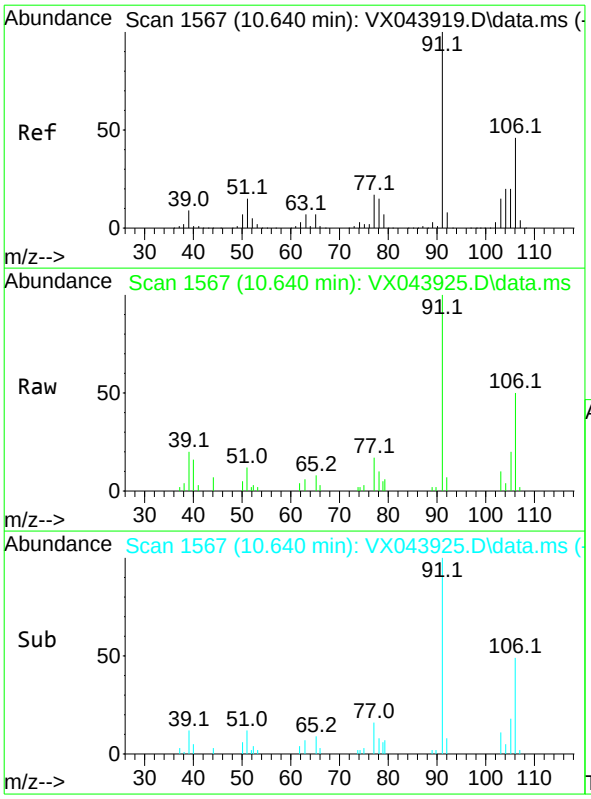


#68
m/p-Xylenes
Concen: 1.758 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:106 Resp: 5324

Ion	Ratio	Lower	Upper
106	100		
91	201.7	163.3	244.9

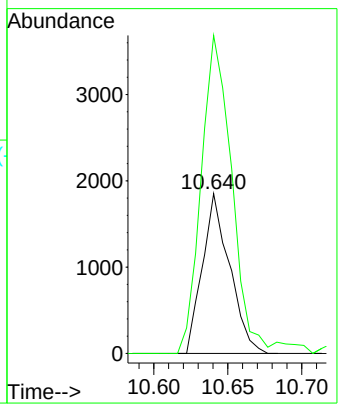




#69
o-Xylene
Concen: 0.801 ug/l
RT: 10.640 min Scan# 15
Delta R.T. 0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:106 Resp: 2370

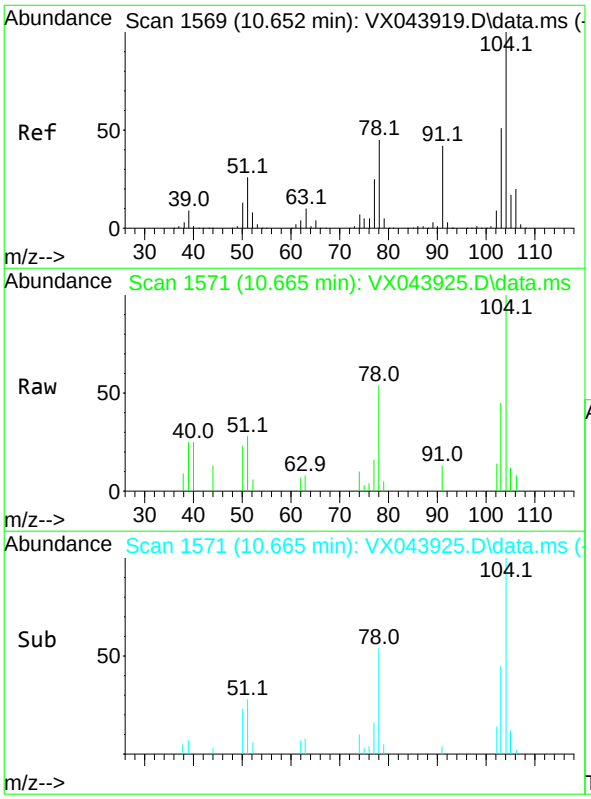
Ion	Ratio	Lower	Upper
106	100		
91	228.1	109.6	328.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

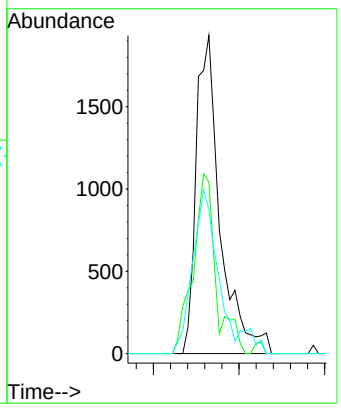
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

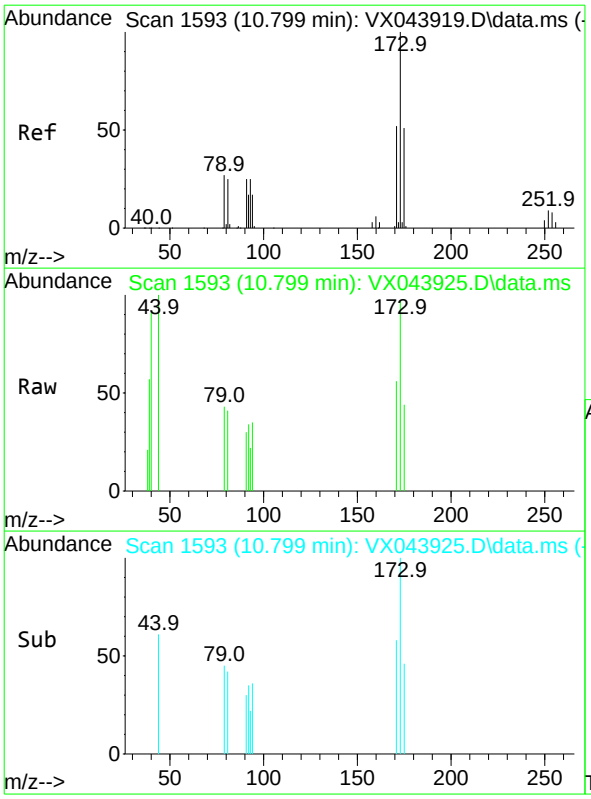


#70
Styrene
Concen: 0.767 ug/l
RT: 10.665 min Scan# 1571
Delta R.T. 0.013 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:104 Resp: 3751

Ion	Ratio	Lower	Upper
104	100		
78	54.0	40.3	60.5
103	52.8	43.9	65.9

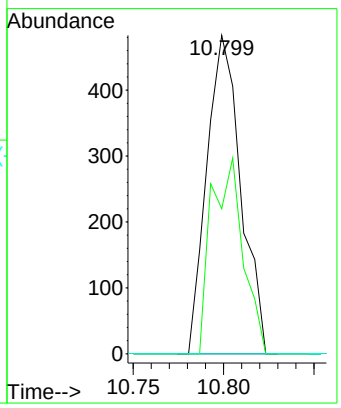




#71
Bromoform
Concen: 1.756 ug/l
RT: 10.799 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:173 Resp: 632

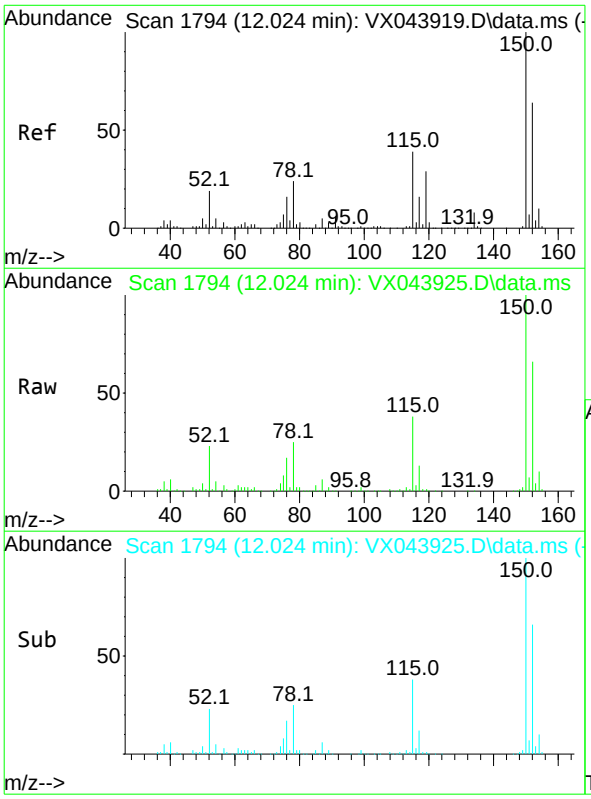
Ion	Ratio	Lower	Upper
173	100		
175	57.1	24.6	73.8
254	0.0	0.1	0.1#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

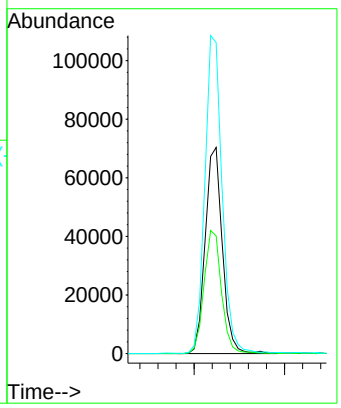
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

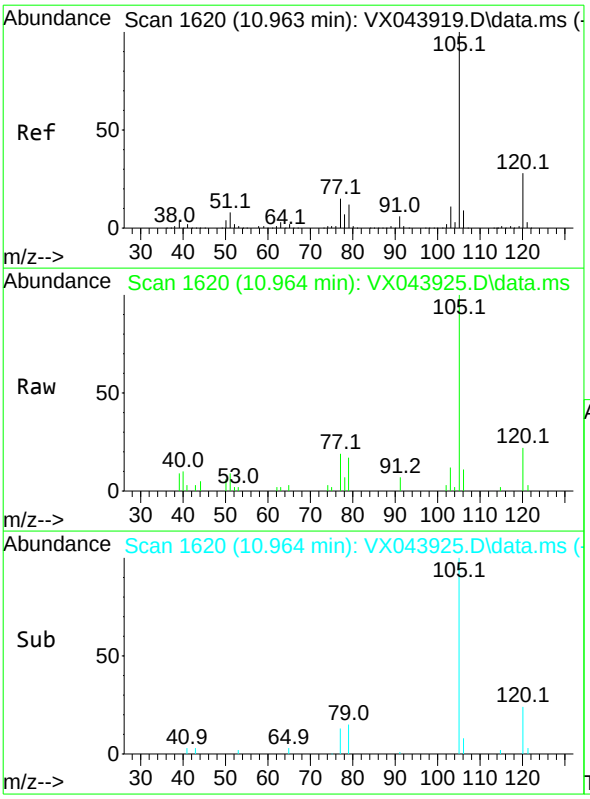


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:152 Resp: 92854

Ion	Ratio	Lower	Upper
152	100		
115	60.8	42.1	126.3
150	154.3	0.0	348.2

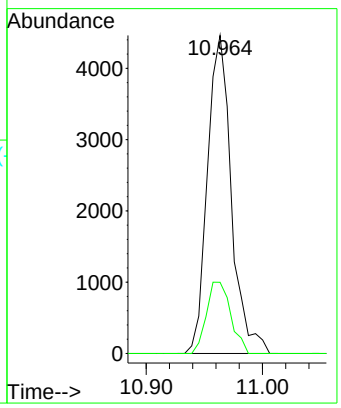




#73
Isopropylbenzene
Concen: 0.894 ug/l
RT: 10.964 min Scan# 16
Delta R.T. 0.001 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:105 Resp: 6379

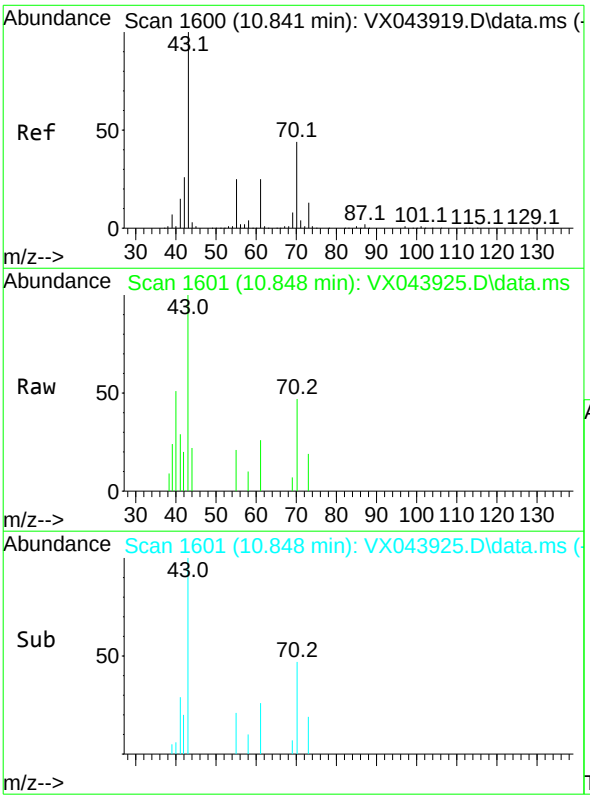
Ion	Ratio	Lower	Upper
105	100		
120	22.8	13.3	39.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

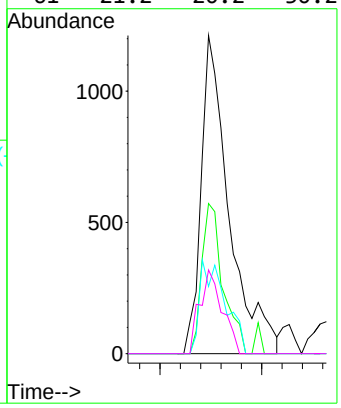
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

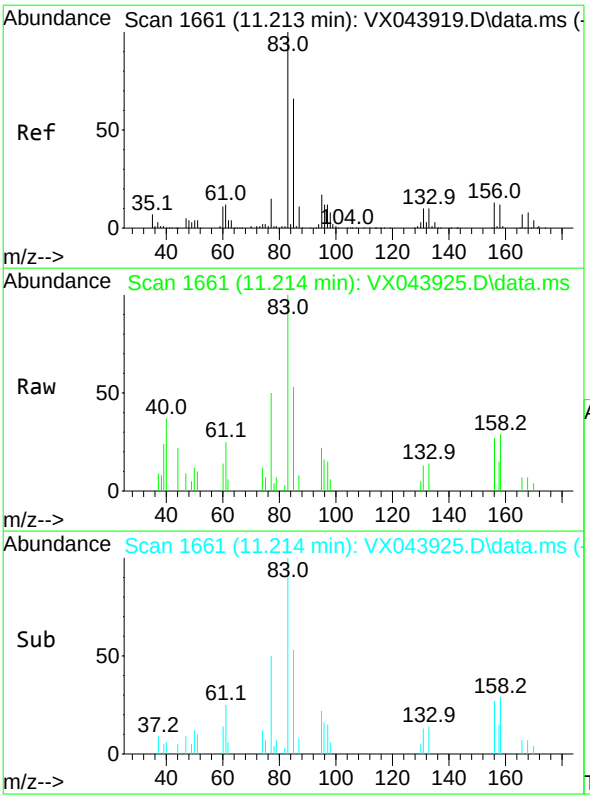


#74
N-amyl acetate
Concen: 0.701 ug/l
RT: 10.848 min Scan# 1601
Delta R.T. 0.007 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 43 Resp: 2319

Ion	Ratio	Lower	Upper
43	100		
70	35.9	36.5	54.7#
55	26.8	19.6	29.4
61	21.2	20.2	30.2

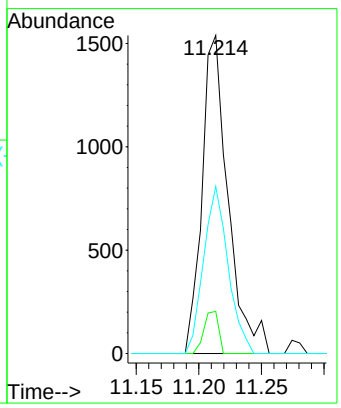




#75
1,1,2,2-Tetrachloroethane
Concen: 0.910 ug/l
RT: 11.214 min Scan# 16
Delta R.T. 0.001 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 83 Resp: 2224

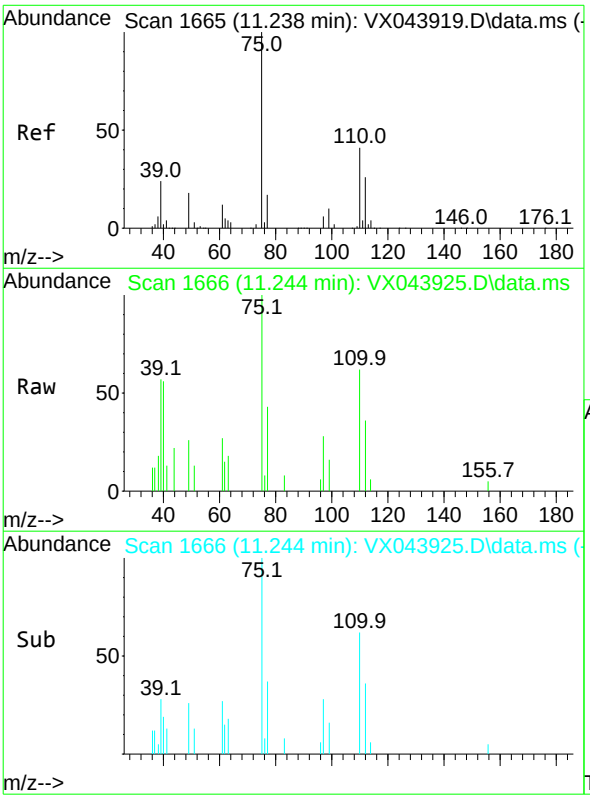
Ion	Ratio	Lower	Upper
83	100		
131	7.5	5.1	15.3
85	49.5	32.3	96.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

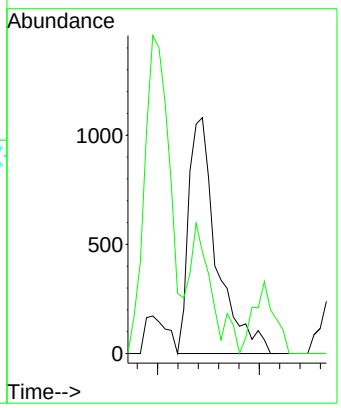
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

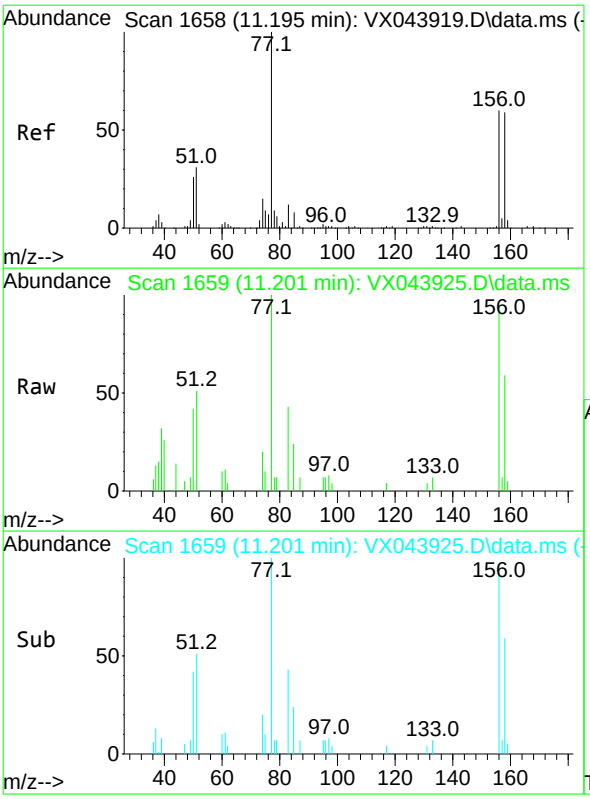


#76
1,2,3-Trichloropropane
Concen: 1.020 ug/l
RT: 11.244 min Scan# 1666
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 75 Resp: 2077

Ion	Ratio	Lower	Upper
75	100		
77	41.9	22.4	67.0

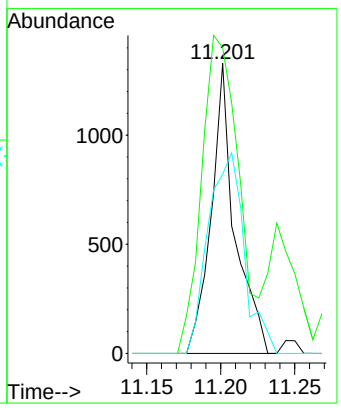




#77
Bromobenzene
Concen: 0.866 ug/l
RT: 11.201 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:156 Resp: 1475

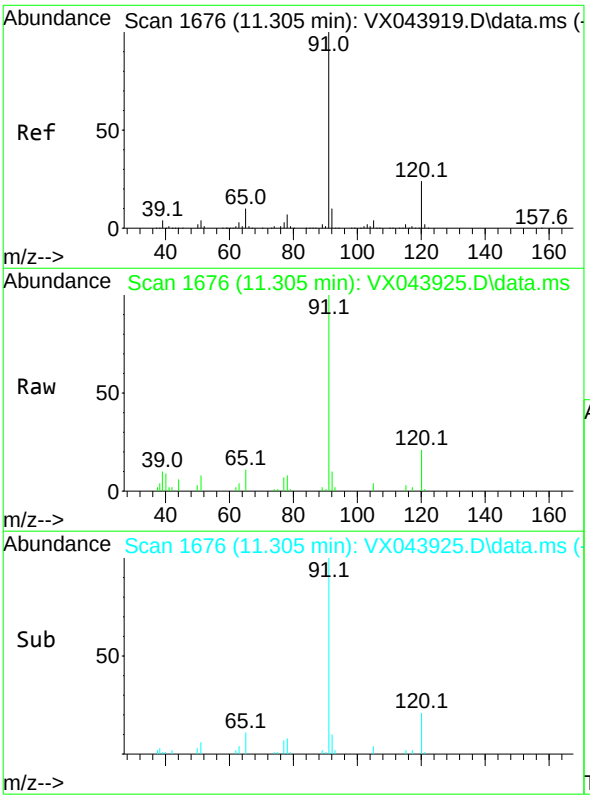
Ion	Ratio	Lower	Upper
156	100		
77	171.7	81.2	243.6
158	105.1	48.6	145.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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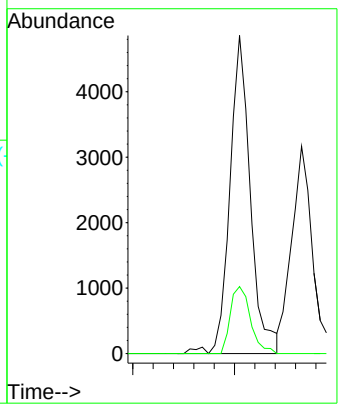
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

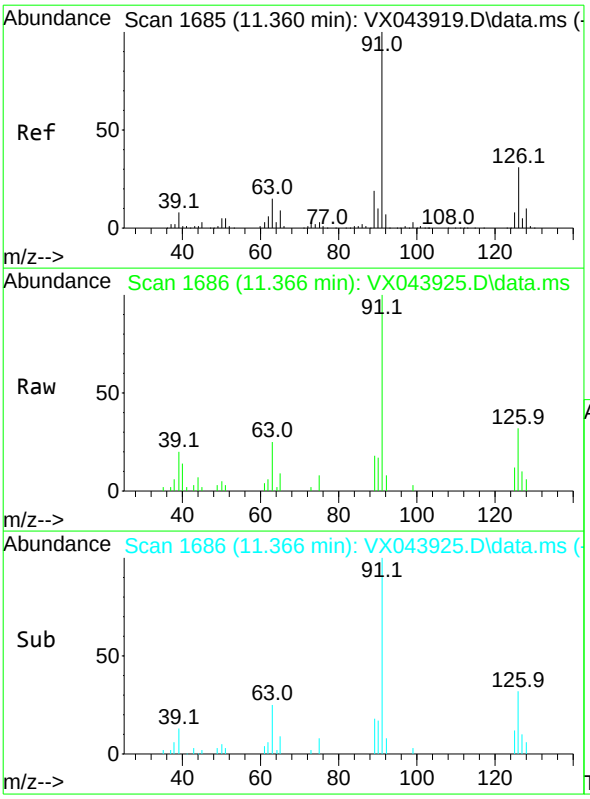


#78
n-propylbenzene
Concen: 0.854 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 91 Resp: 6810

Ion	Ratio	Lower	Upper
91	100		
120	20.6	11.5	34.5





#79
2-Chlorotoluene
Concen: 0.916 ug/l
RT: 11.366 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

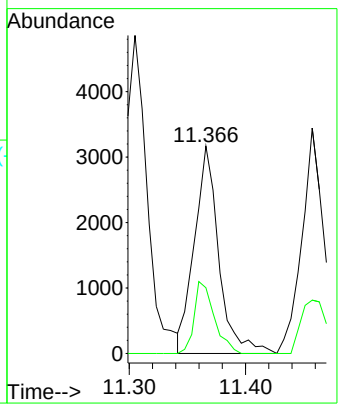
Tgt Ion: 91 Resp: 4618

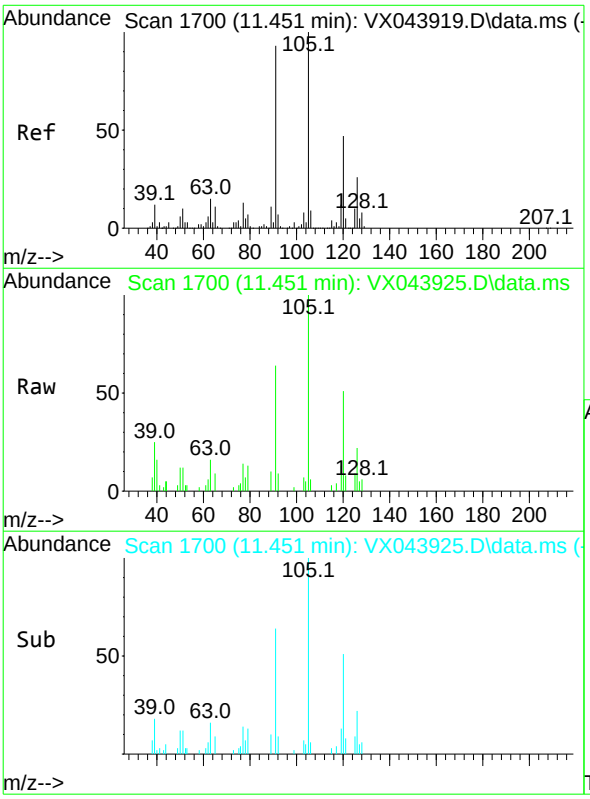
Ion	Ratio	Lower	Upper
91	100		
126	28.5	16.4	49.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

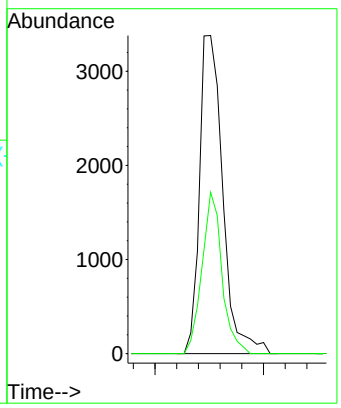


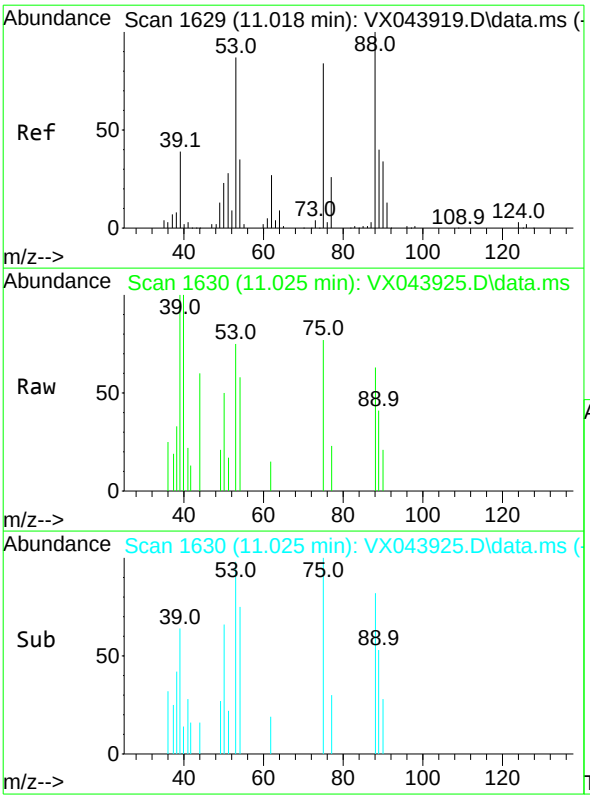


#80
1,3,5-Trimethylbenzene
Concen: 0.855 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:105 Resp: 5022

Ion	Ratio	Lower	Upper
105	100		
120	43.6	23.8	71.5





#81
trans-1,4-Dichloro-2-butene
Concen: 0.592 ug/l
RT: 11.025 min Scan# 16
Delta R.T. 0.007 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

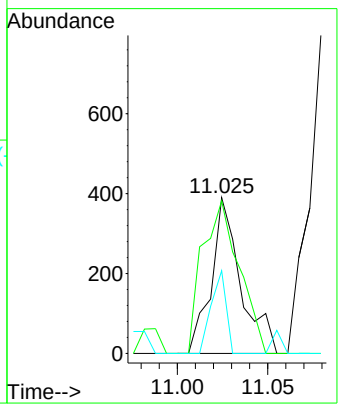
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

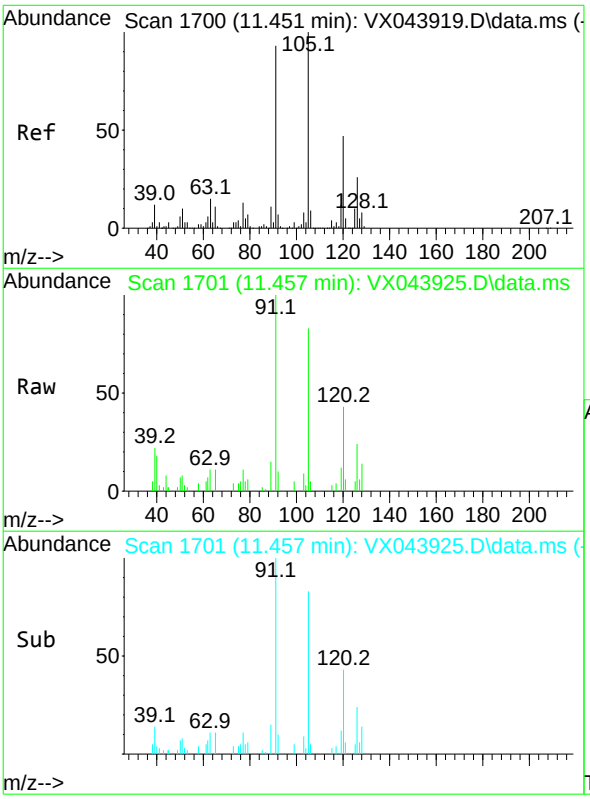
Tgt Ion: 75 Resp: 442

Ion	Ratio	Lower	Upper
75	100		
53	122.4	81.7	122.5
89	26.9	38.6	57.8#

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Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

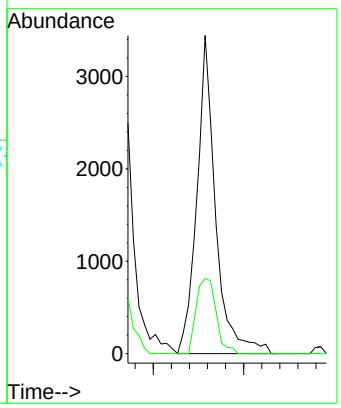


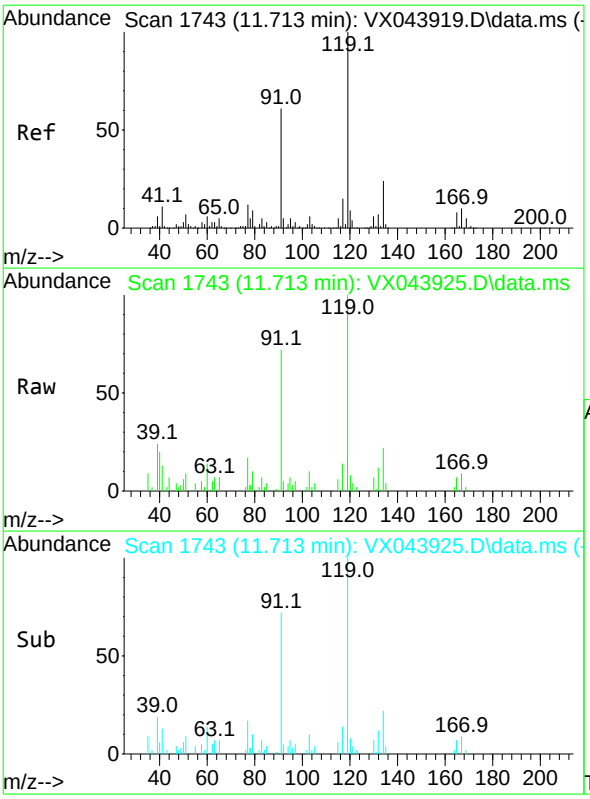


#82
4-Chlorotoluene
Concen: 0.868 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 91 Resp: 4940

Ion	Ratio	Lower	Upper
91	100		
126	25.2	14.4	43.2





#83
tert-Butylbenzene
Concen: 0.824 ug/l
RT: 11.713 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

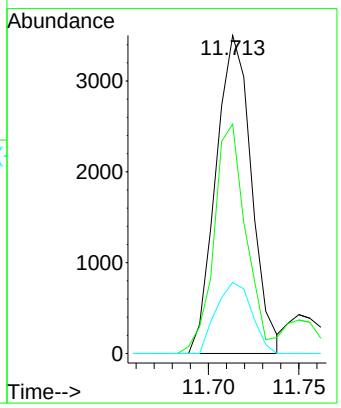
Tgt Ion:119 Resp: 4794

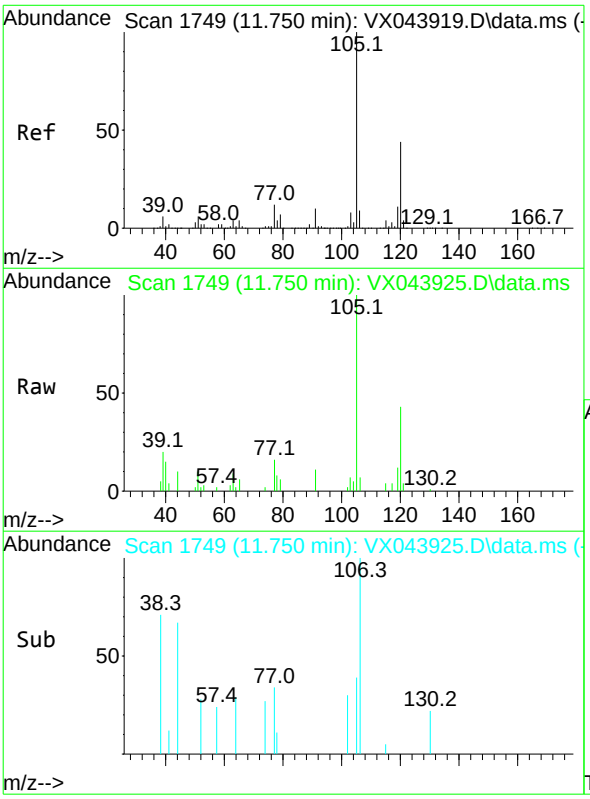
Ion	Ratio	Lower	Upper
119	100		
91	65.8	29.5	88.6
134	22.3	11.8	35.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

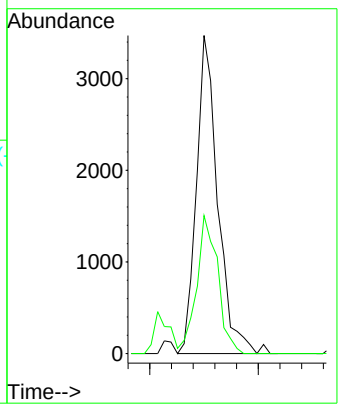


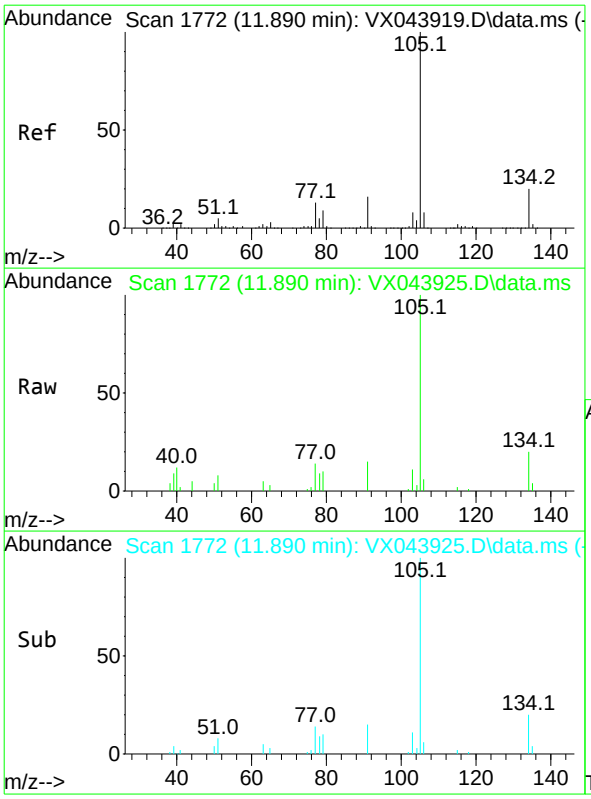


#84
1,2,4-Trimethylbenzene
Concen: 0.812 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:105 Resp: 4748

Ion	Ratio	Lower	Upper
105	100		
120	42.8	21.7	65.1

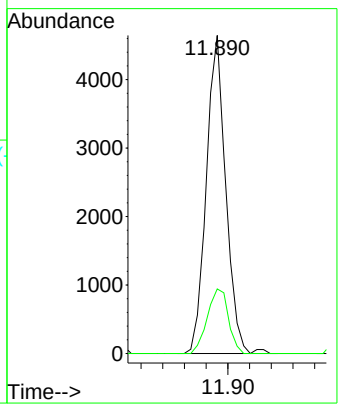




#85
sec-Butylbenzene
Concen: 0.812 ug/l
RT: 11.890 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:105 Resp: 5787

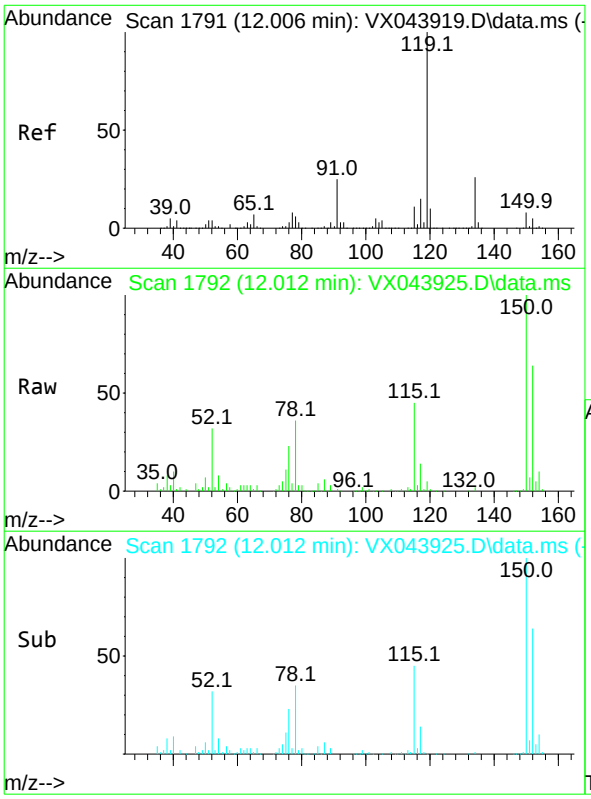
Ion	Ratio	Lower	Upper
105	100		
134	22.0	10.0	29.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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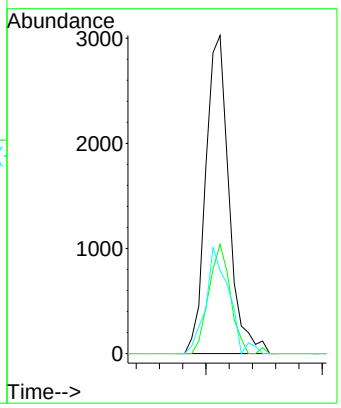
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

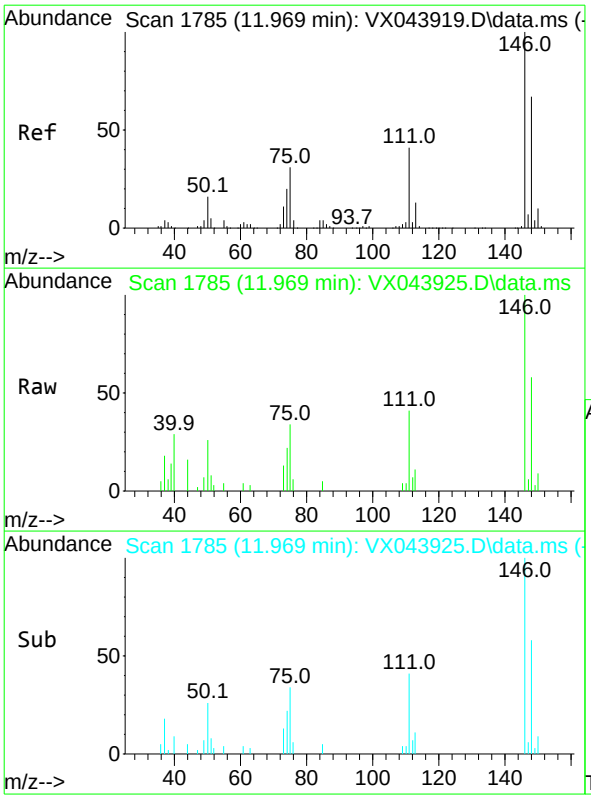


#86
p-Isopropyltoluene
Concen: 0.723 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:119 Resp: 4187

Ion	Ratio	Lower	Upper
119	100		
134	31.8	13.0	38.9
91	33.2	12.3	36.8

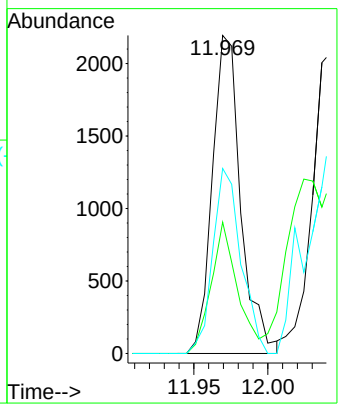




#87
1,3-Dichlorobenzene
Concen: 0.946 ug/l
RT: 11.969 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:146 Resp: 2934

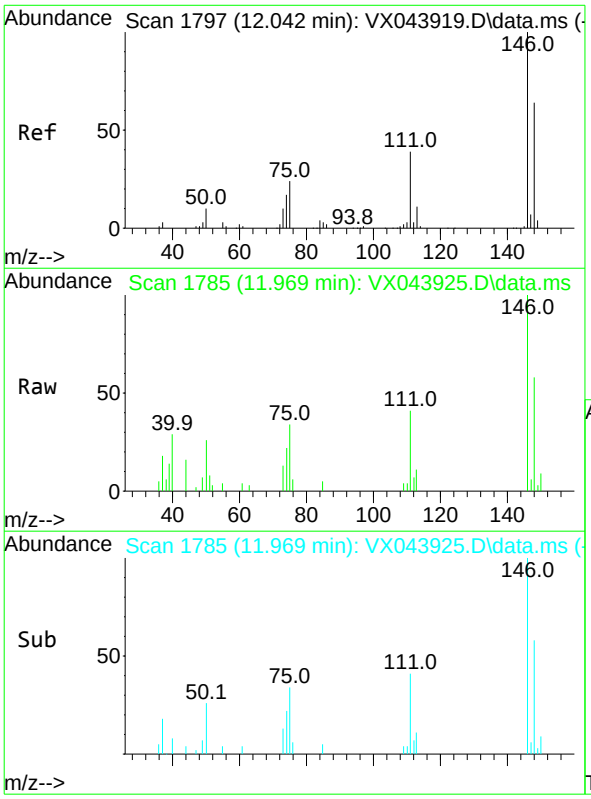
Ion	Ratio	Lower	Upper
146	100		
111	38.3	20.8	62.2
148	57.6	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

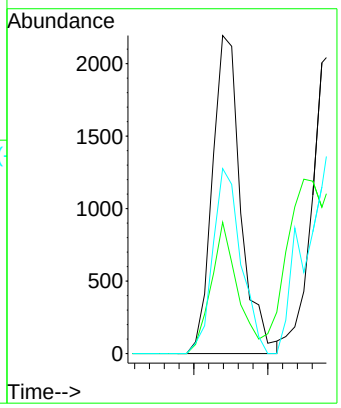
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

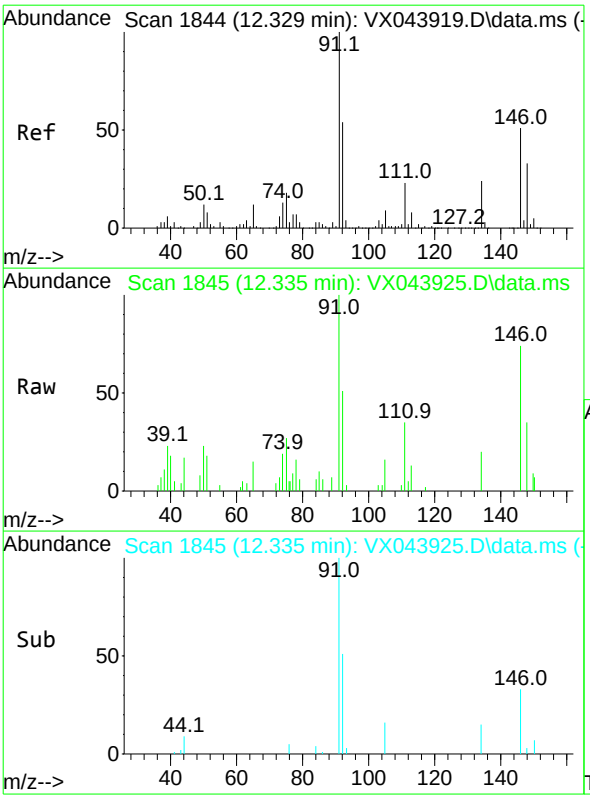


#88
1,4-Dichlorobenzene
Concen: 0.942 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.073 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:146 Resp: 2934

Ion	Ratio	Lower	Upper
146	100		
111	38.3	20.1	60.2
148	57.6	32.2	96.6

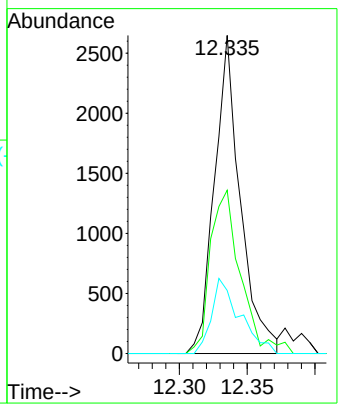




#89
n-Butylbenzene
Concen: 0.690 ug/l
RT: 12.335 min Scan# 18
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 91 Resp: 3522

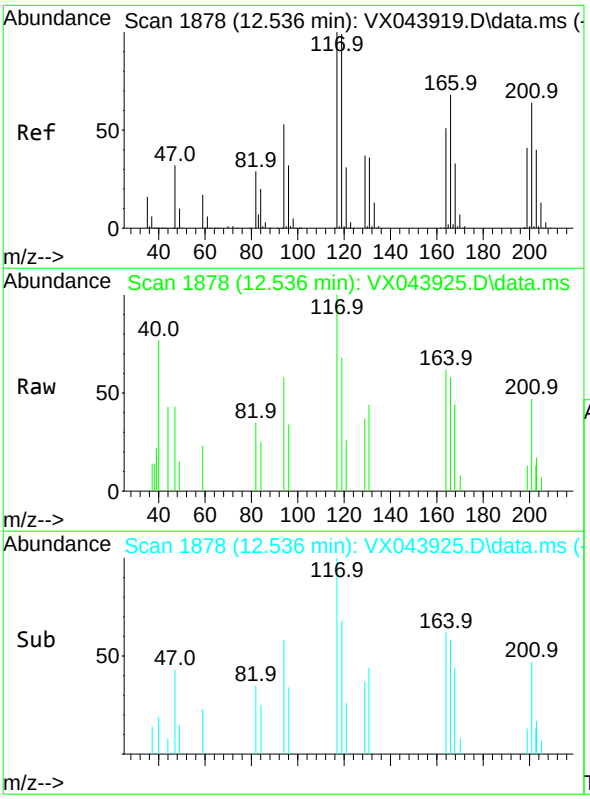
Ion	Ratio	Lower	Upper
91	100		
92	59.8	26.9	80.6
134	25.8	12.9	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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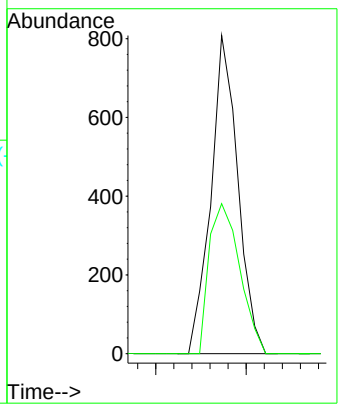
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

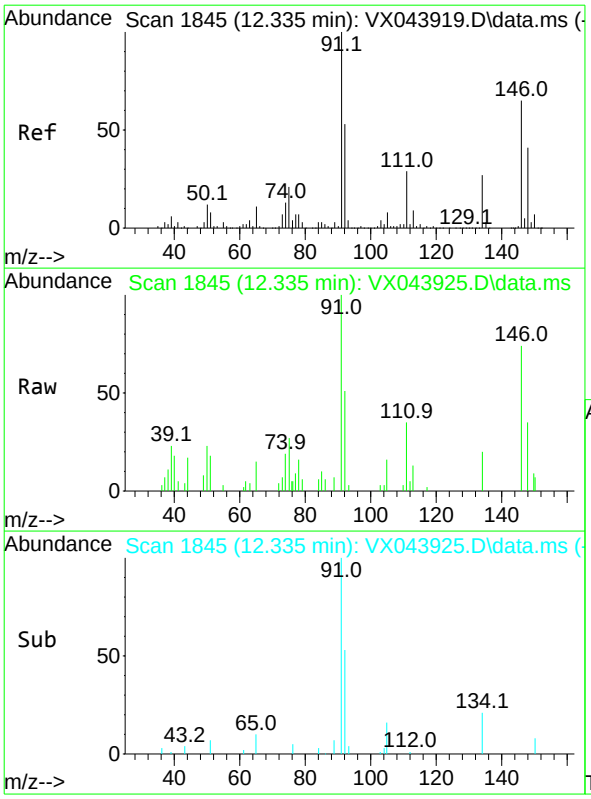


#90
Hexachloroethane
Concen: 0.848 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:117 Resp: 835

Ion	Ratio	Lower	Upper
117	100		
201	53.7	34.1	102.3





#91
1,2-Dichlorobenzene
Concen: 0.893 ug/l
RT: 12.335 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

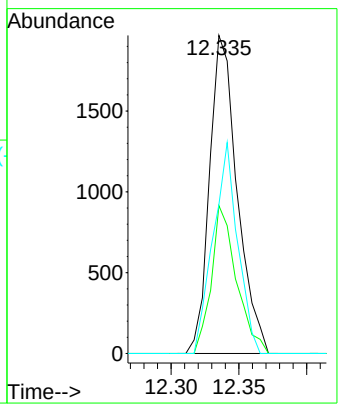
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

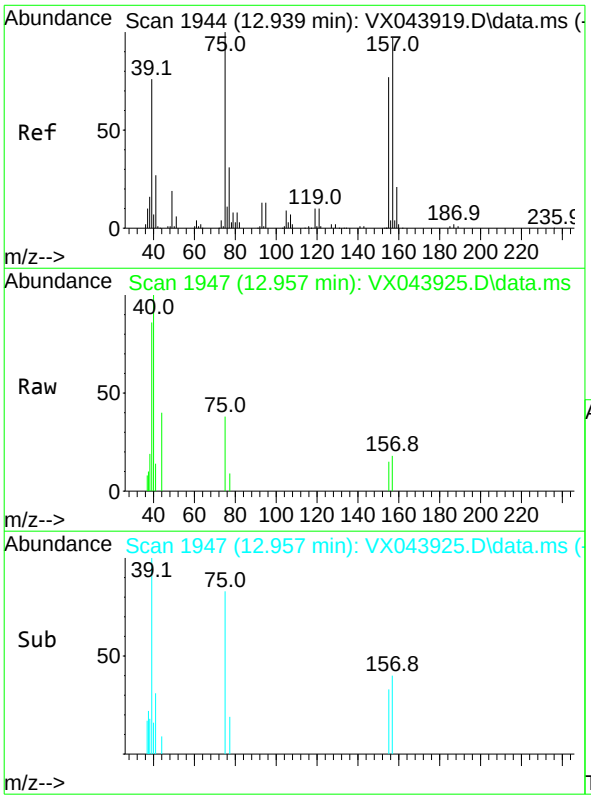
Tgt Ion:146 Resp: 2796

Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.7	65.1
148	58.8	31.6	94.7

Manual Integrations
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Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

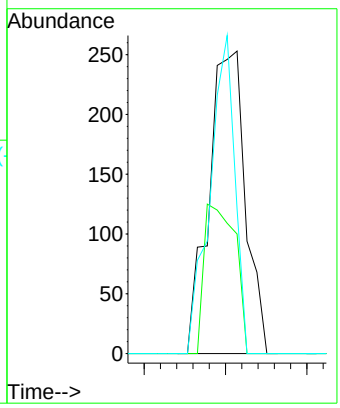


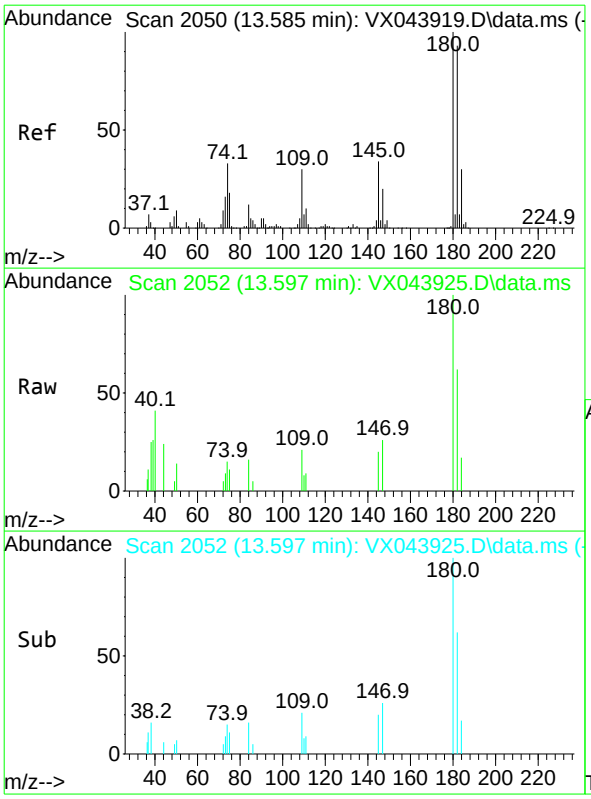


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.807 ug/l
RT: 12.957 min Scan# 1947
Delta R.T. 0.018 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 75 Resp: 395

Ion	Ratio	Lower	Upper
75	100		
155	42.0	40.8	122.5
157	71.6	54.3	162.9

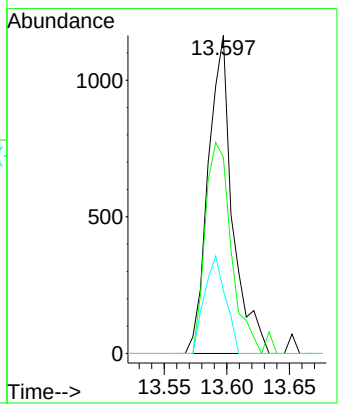




#93
1,2,4-Trichlorobenzene
Concen: 0.854 ug/l
RT: 13.597 min Scan# 20
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:180 Resp: 1576

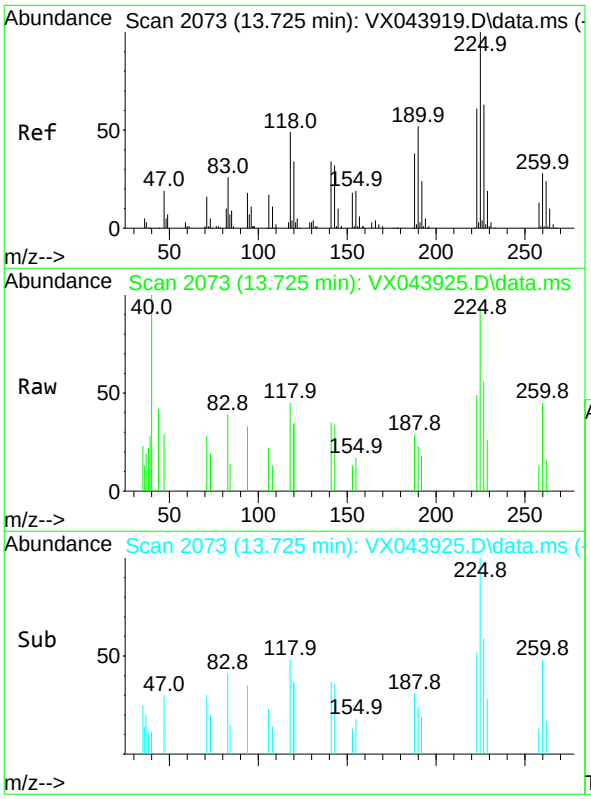
Ion	Ratio	Lower	Upper
180	100		
182	70.6	46.8	140.4
145	26.6	16.4	49.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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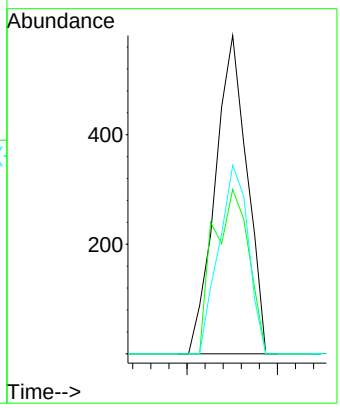
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

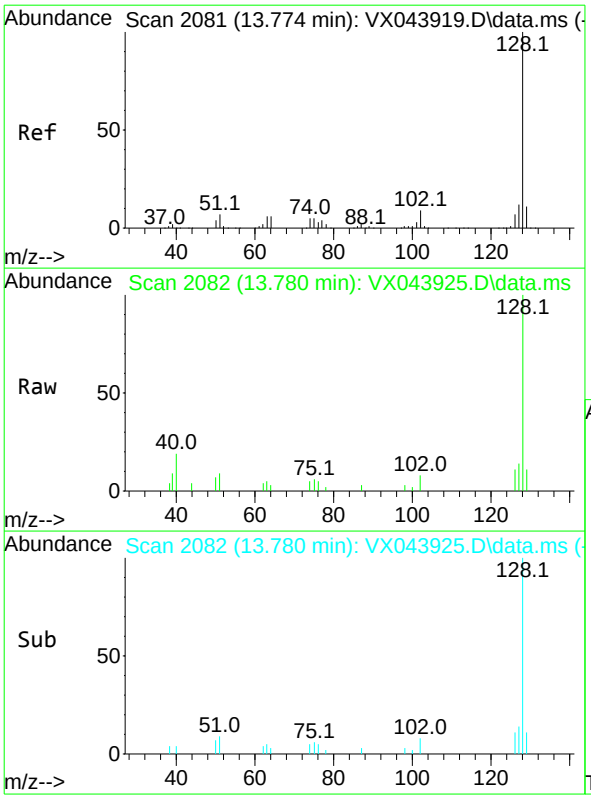


#94
Hexachlorobutadiene
Concen: 0.972 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:225 Resp: 709

Ion	Ratio	Lower	Upper
225	100		
223	57.1	31.1	93.3
227	55.3	29.8	89.5

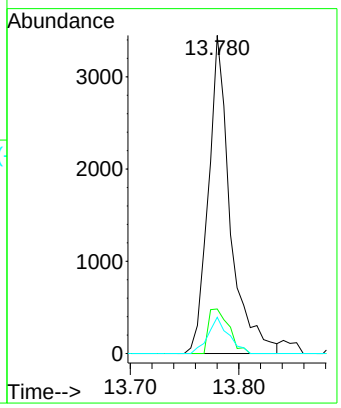




#95
Naphthalene
Concen: 0.728 ug/l
RT: 13.780 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:128 Resp: 4837

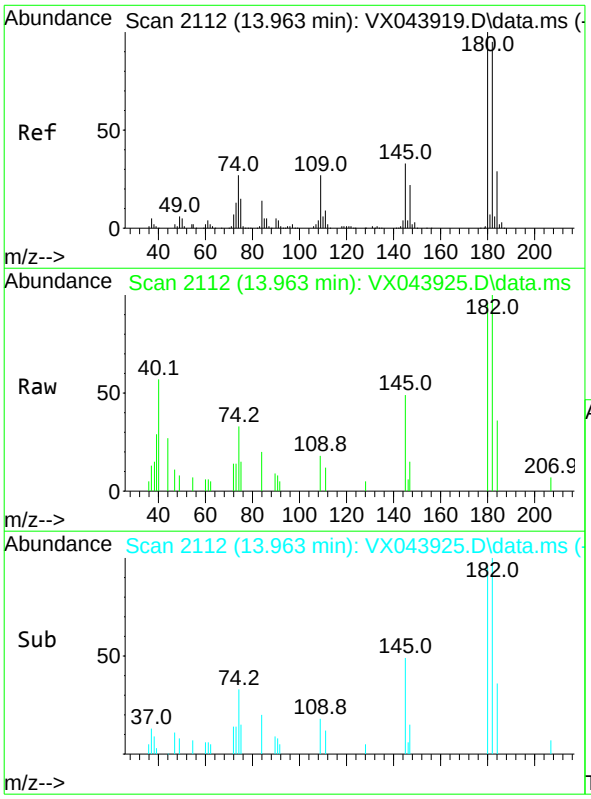
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.1	15.1
129	10.6	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

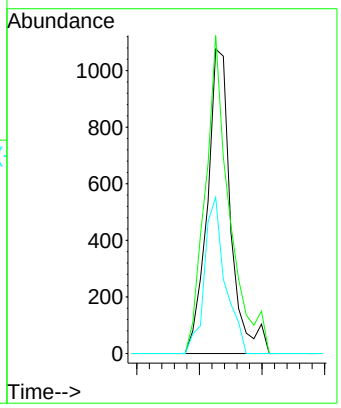
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#96
1,2,3-Trichlorobenzene
Concen: 0.749 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:180 Resp: 1398

Ion	Ratio	Lower	Upper
180	100		
182	107.8	47.6	142.8
145	45.3	17.4	52.2



Quantitation Report (Not Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043926.D
Acq On : 21 Nov 2024 10:14
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 21 13:37:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 13:36:37 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	150793	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	264969	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	223514	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96662	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	13961	5.398	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 10.800%#			
35) Dibromofluoromethane	5.379	113	9842	5.198	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 10.400%#			
50) Toluene-d8	8.646	98	35173	5.389	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 10.780%#			
62) 4-Bromofluorobenzene	11.079	95	10618	4.780	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 9.560%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	9545	4.811	ug/l	86
3) Chloromethane	1.294	50	9980	4.712	ug/l	98
4) Vinyl Chloride	1.373	62	10682	4.826	ug/l	100
5) Bromomethane	1.593	94	6415	4.877	ug/l	94
6) Chloroethane	1.666	64	6474	5.154	ug/l	99
7) Trichlorofluoromethane	1.867	101	19099	4.721	ug/l	90
8) Diethyl Ether	2.129	74	6480	4.537	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.318	101	8824	4.665	ug/l	95
10) Methyl Iodide	2.440	142	9897	4.346	ug/l	93
11) Tert butyl alcohol	2.995	59	8556	19.717	ug/l	97
12) 1,1-Dichloroethene	2.306	96	7987	4.524	ug/l #	78
13) Acrolein	2.239	56	11940	27.287	ug/l	100
14) Allyl chloride	2.654	41	12874	4.278	ug/l #	87
15) Acrylonitrile	3.062	53	24290	22.867	ug/l	97
16) Acetone	2.385	43	29886	24.457	ug/l	89
17) Carbon Disulfide	2.495	76	14415	4.636	ug/l #	94
18) Methyl Acetate	2.702	43	13127	4.577	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	30022	4.615	ug/l #	86
20) Methylene Chloride	2.782	84	9895	4.667	ug/l	95
21) trans-1,2-Dichloroethene	3.080	96	8486	4.326	ug/l #	84
22) Diisopropyl ether	3.757	45	29102	4.607	ug/l #	59
23) Vinyl Acetate	3.721	43	116242	21.381	ug/l	97
24) 1,1-Dichloroethane	3.599	63	16857	4.635	ug/l	98
25) 2-Butanone	4.568	43	36680	23.245	ug/l	99
26) 2,2-Dichloropropane	4.458	77	15040	4.560	ug/l #	73
27) cis-1,2-Dichloroethene	4.477	96	10153	4.366	ug/l	90
28) Bromochloromethane	4.891	49	9210	5.746	ug/l	87
29) Tetrahydrofuran	5.007	42	23518	23.872	ug/l	93
30) Chloroform	5.086	83	18661	4.725	ug/l	97
31) Cyclohexane	5.458	56	13740	4.767	ug/l	91
32) 1,1,1-Trichloroethane	5.379	97	15162	4.545	ug/l	95
36) 1,1-Dichloropropene	5.690	75	11406	4.435	ug/l	97
37) Ethyl Acetate	4.720	43	12177	4.528	ug/l	95
38) Carbon Tetrachloride	5.665	117	12348	4.503	ug/l	94
39) Methylcyclohexane	7.372	83	14721	4.668	ug/l	98
40) Benzene	6.031	78	36283	4.740	ug/l	96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043926.D
Acq On : 21 Nov 2024 10:14
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 21 13:37:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 13:36:37 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.928	41	7355	4.783 ug/l #	94
42) 1,2-Dichloroethane	6.080	62	14467	4.731 ug/l	98
43) Isopropyl Acetate	6.348	43	22267	4.619 ug/l #	93
44) Trichloroethene	7.128	130	9852	4.284 ug/l	100
45) 1,2-Dichloropropane	7.427	63	8525	4.446 ug/l	93
46) Dibromomethane	7.586	93	6372	4.181 ug/l	93
47) Bromodichloromethane	7.823	83	11249	4.153 ug/l	99
48) Methyl methacrylate	7.695	41	10190	4.466 ug/l	89
49) 1,4-Dioxane	7.677	88	3056	93.552 ug/l #	71
51) 4-Methyl-2-Pentanone	8.573	43	69843	23.750 ug/l	93
52) Toluene	8.714	92	22218	4.736 ug/l	99
53) t-1,3-Dichloropropene	8.982	75	10937	4.002 ug/l	95
54) cis-1,3-Dichloropropene	8.366	75	12253	4.109 ug/l #	86
55) 1,1,2-Trichloroethane	9.152	97	9000	4.745 ug/l	96
56) Ethyl methacrylate	9.116	69	12381	4.205 ug/l #	83
57) 1,3-Dichloropropane	9.311	76	15211	4.733 ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	43351	29.069 ug/l	98
59) 2-Hexanone	9.433	43	52072	23.504 ug/l	93
60) Dibromochloromethane	9.518	129	7738	4.099 ug/l	100
61) 1,2-Dibromoethane	9.610	107	8985	4.623 ug/l	99
64) Tetrachloroethene	9.274	164	7642	4.829 ug/l	93
65) Chlorobenzene	10.079	112	24792	4.794 ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.158	131	7421	4.479 ug/l	97
67) Ethyl Benzene	10.195	91	40927	4.658 ug/l	92
68) m/p-Xylenes	10.305	106	29635	9.137 ug/l	97
69) o-Xylene	10.640	106	14856	4.616 ug/l	99
70) Styrene	10.658	104	22907	4.320 ug/l	96
71) Bromoform	10.799	173	4476	3.941 ug/l #	97
73) Isopropylbenzene	10.957	105	37958	4.885 ug/l	99
74) N-amyl acetate	10.841	43	15928	4.381 ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.213	83	13107	4.910 ug/l	99
76) 1,2,3-Trichloropropane	11.237	75	14721	6.565 ug/l	78
77) Bromobenzene	11.195	156	9259	4.859 ug/l	95
78) n-propylbenzene	11.305	91	39774	4.555 ug/l	97
79) 2-Chlorotoluene	11.366	91	26740	4.746 ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	30114	4.706 ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	2880	3.707 ug/l #	73
82) 4-Chlorotoluene	11.451	91	29049	4.621 ug/l	96
83) tert-Butylbenzene	11.713	119	29934	4.687 ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	30674	4.697 ug/l	97
85) sec-Butylbenzene	11.890	105	37899	4.836 ug/l	95
86) p-Isopropyltoluene	12.006	119	29412	4.573 ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	16008	4.621 ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	15837	4.419 ug/l	91
89) n-Butylbenzene	12.335	91	24938	4.370 ug/l	98
90) Hexachloroethane	12.536	117	4279	4.061 ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	16747	4.815 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	2454	4.500 ug/l	79
93) 1,2,4-Trichlorobenzene	13.591	180	8746	4.179 ug/l	96
94) Hexachlorobutadiene	13.725	225	3713	4.700 ug/l	93
95) Naphthalene	13.774	128	32485	4.205 ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	9280	4.485 ug/l	93

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043926.D
Acq On : 21 Nov 2024 10:14
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 21 13:37:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 13:36:37 2024
Response via : Initial Calibration

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

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

ICAL Form

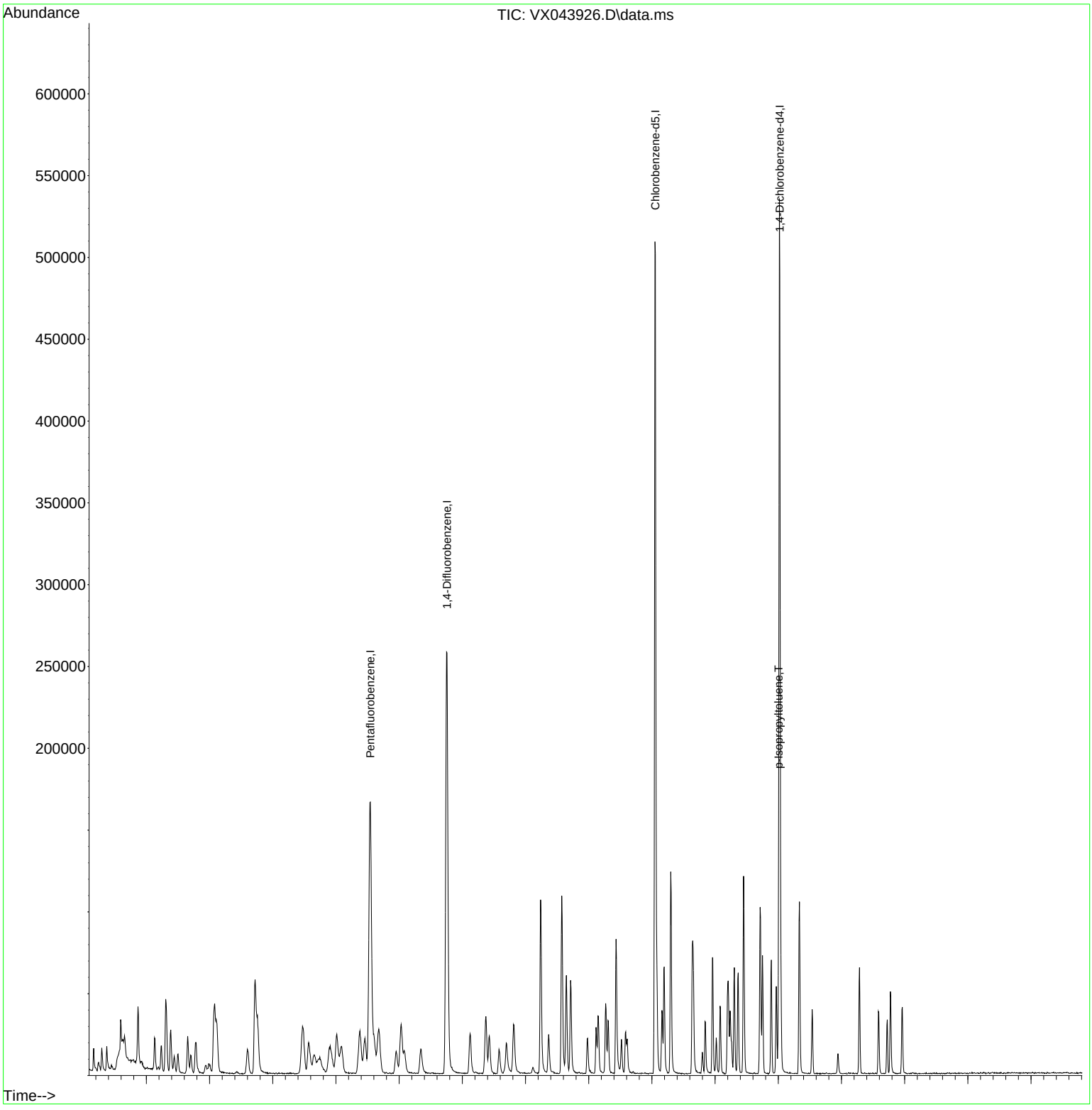
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Data File : VX043926.D
Acq On : 21 Nov 2024 10:14
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

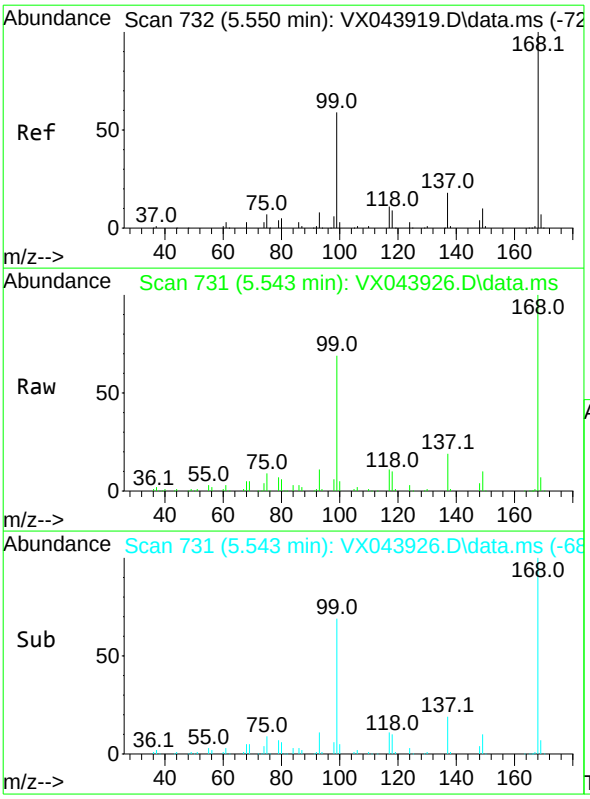
Quant Time: Nov 21 13:37:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 13:36:37 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

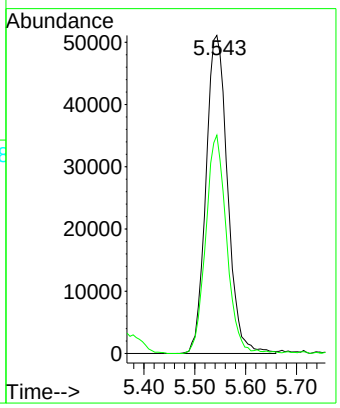




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 73
Delta R.T. -0.007 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:168 Resp: 150793

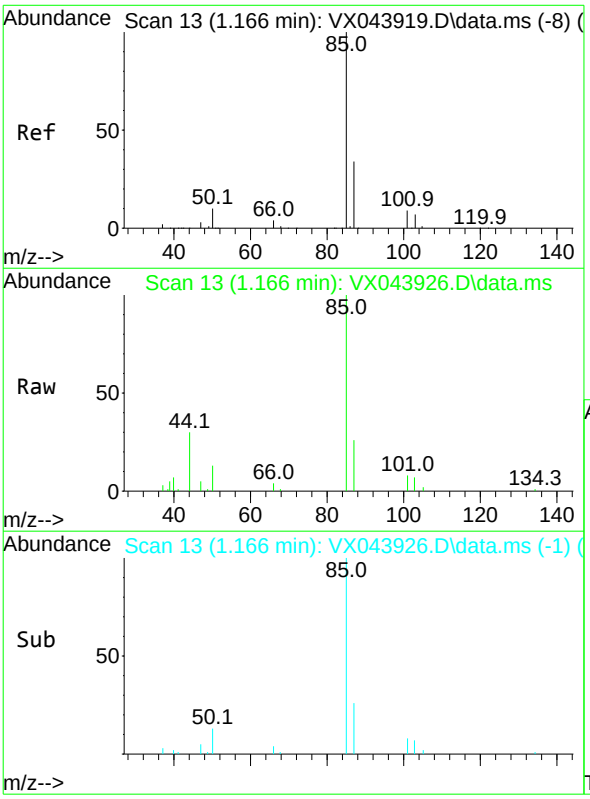
Ion	Ratio	Lower	Upper
168	100		
99	68.6	46.9	70.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

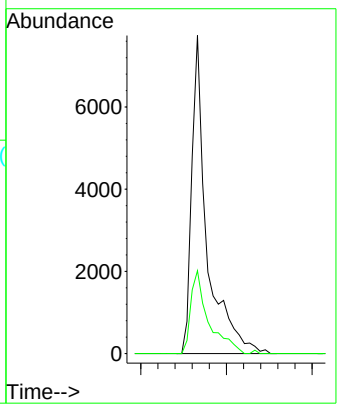
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

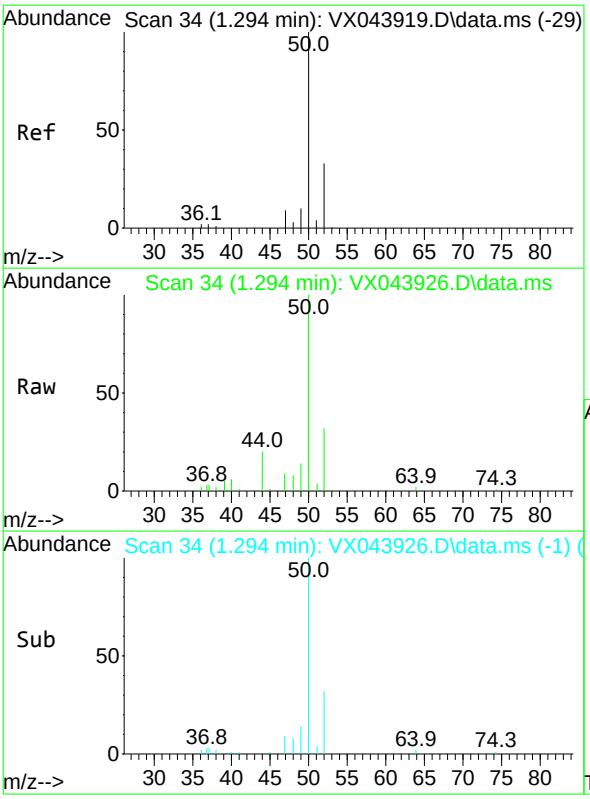


#2
Dichlorodifluoromethane
Concen: 4.811 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 85 Resp: 9545

Ion	Ratio	Lower	Upper
85	100		
87	26.0	17.1	51.2

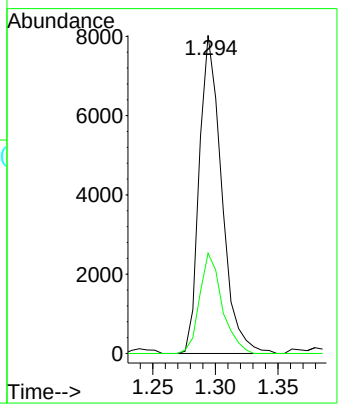




#3
Chloromethane
Concen: 4.712 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 50 Resp: 9980

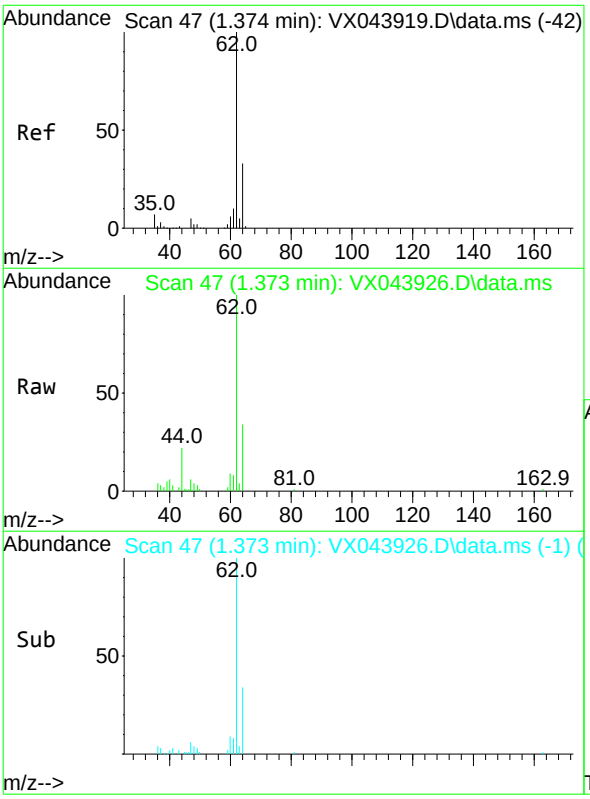
Ion	Ratio	Lower	Upper
50	100		
52	31.5	26.2	39.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

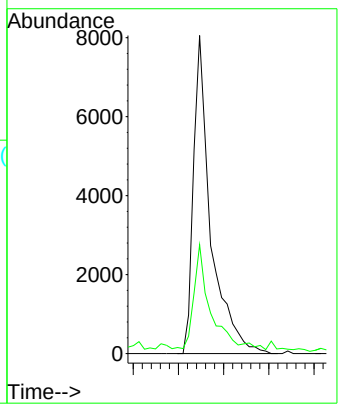
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

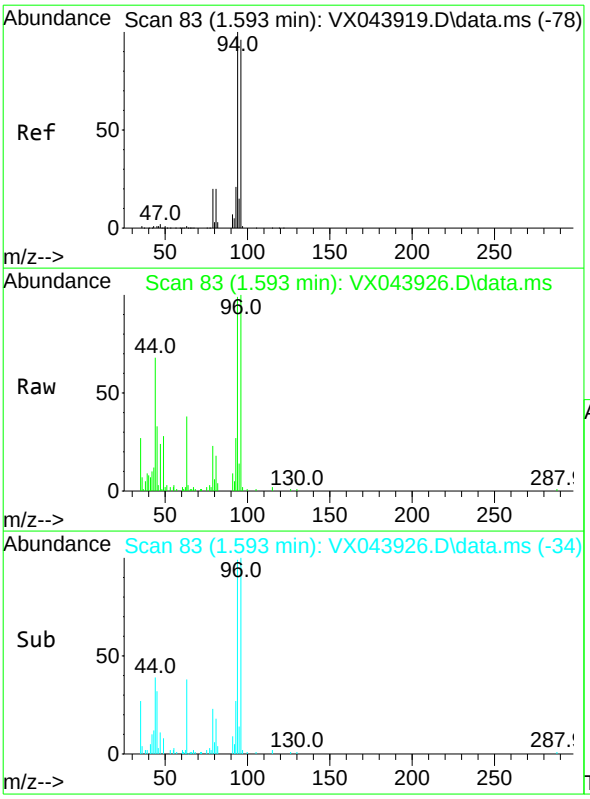


#4
Vinyl Chloride
Concen: 4.826 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.001 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 62 Resp: 10682

Ion	Ratio	Lower	Upper
62	100		
64	32.8	26.1	39.1

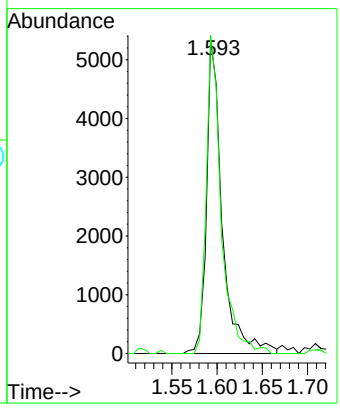




#5
Bromomethane
Concen: 4.877 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 94 Resp: 6415

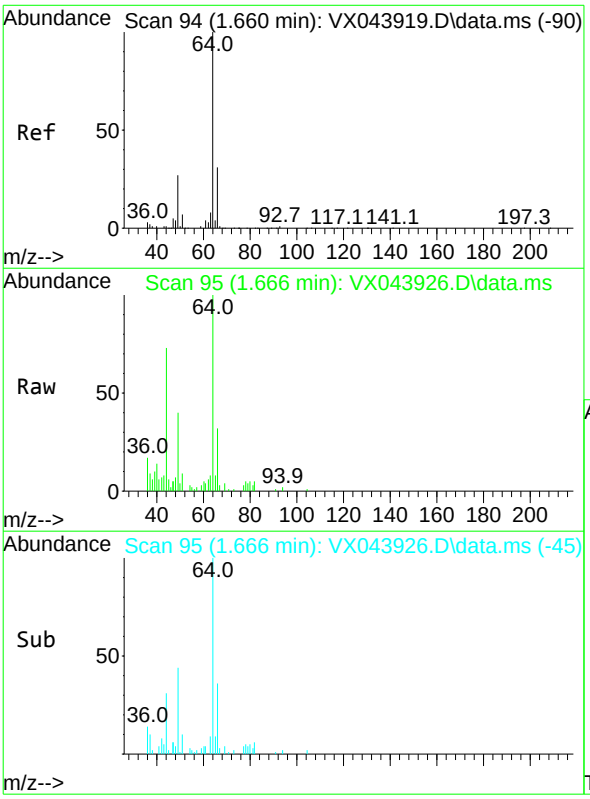
Ion	Ratio	Lower	Upper
94	100		
96	101.5	76.5	114.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

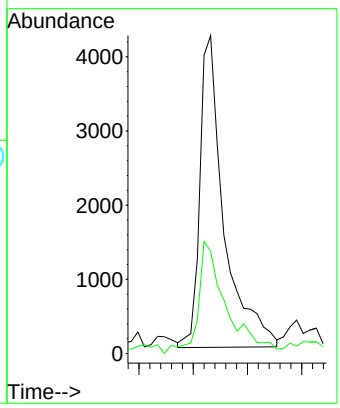
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

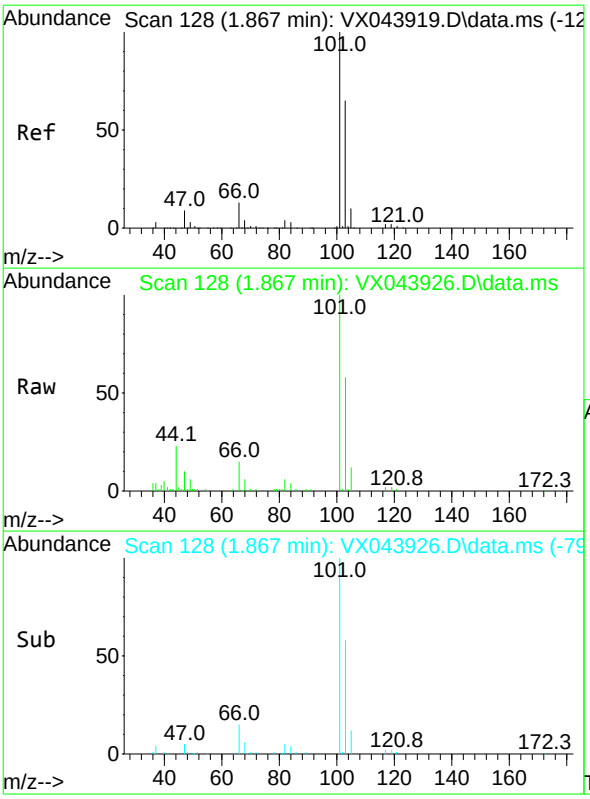


#6
Chloroethane
Concen: 5.154 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 64 Resp: 6474

Ion	Ratio	Lower	Upper
64	100		
66	31.8	24.9	37.3

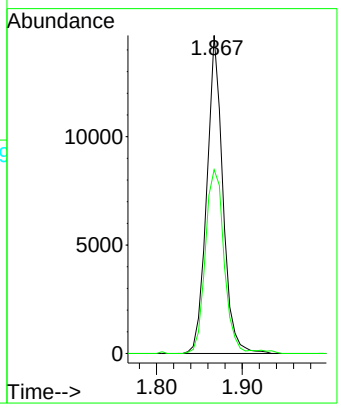




#7
Trichlorofluoromethane
Concen: 4.721 ug/l
RT: 1.867 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:101 Resp: 19099

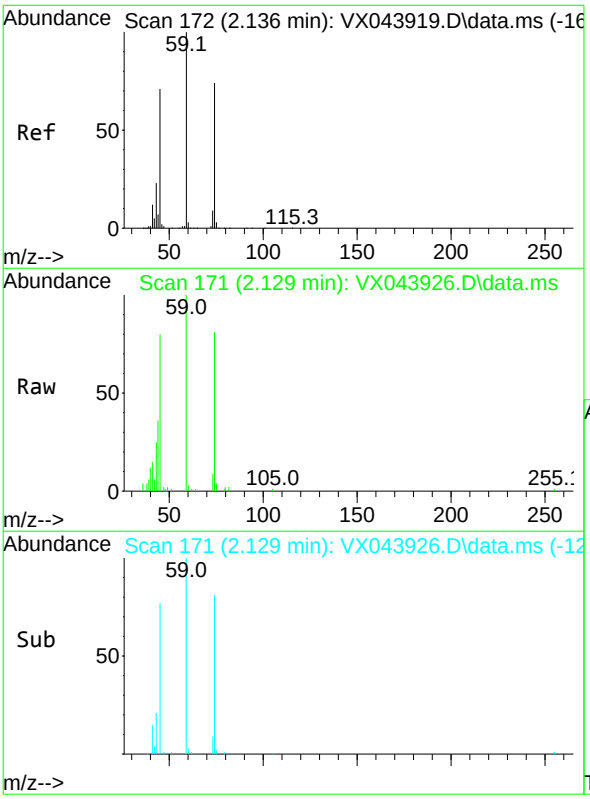
Ion	Ratio	Lower	Upper
101	100		
103	57.8	52.2	78.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

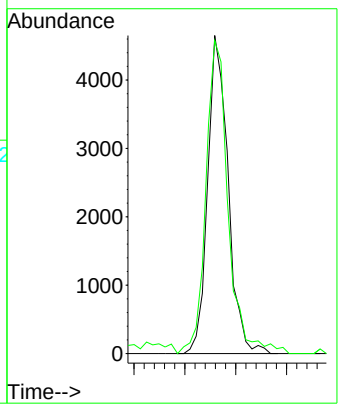
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

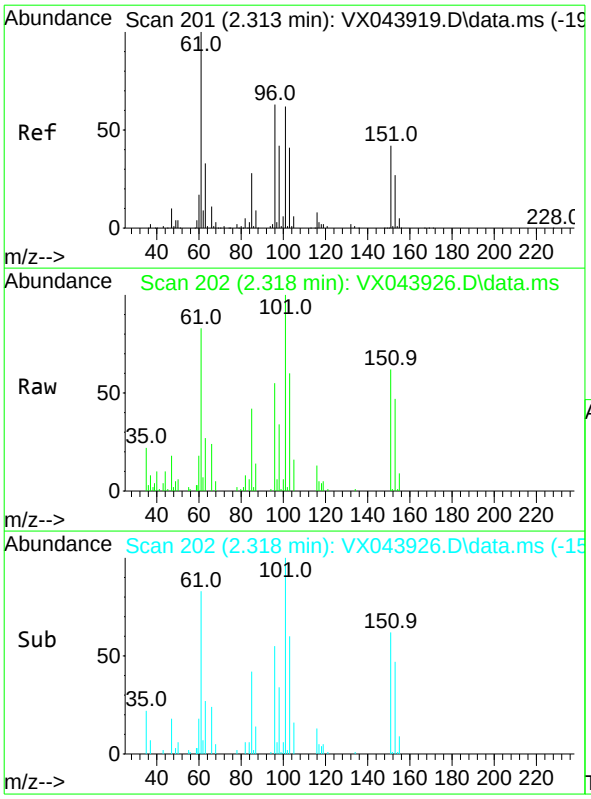


#8
Diethyl Ether
Concen: 4.537 ug/l
RT: 2.129 min Scan# 171
Delta R.T. -0.007 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 74 Resp: 6480

Ion	Ratio	Lower	Upper
74	100		
45	106.9	49.9	149.6

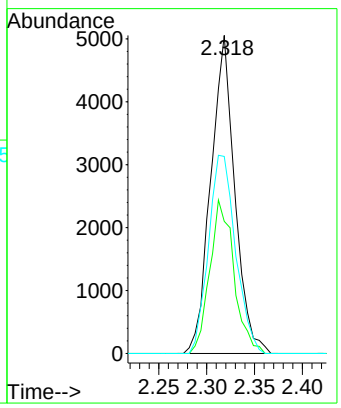




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.665 ug/l
RT: 2.318 min Scan# 20
Delta R.T. 0.005 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:101 Resp: 8824

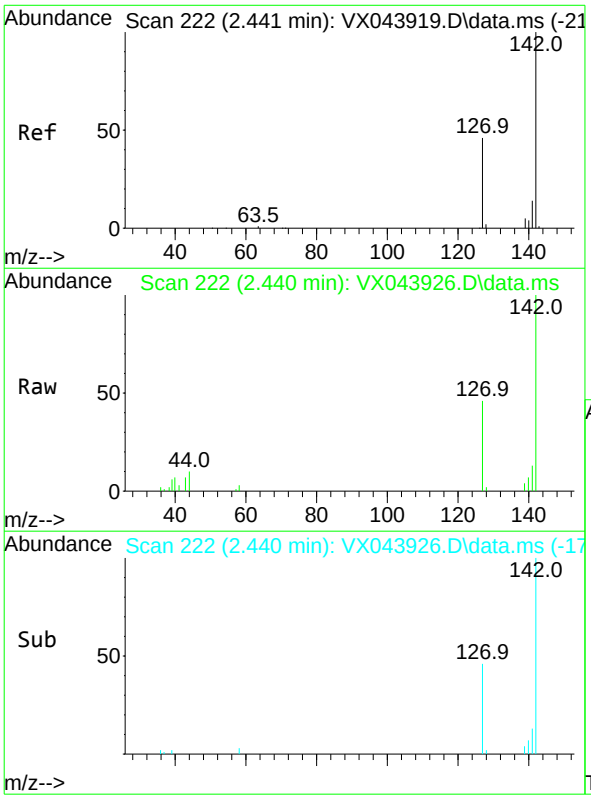
Ion	Ratio	Lower	Upper
101	100		
85	48.4	36.6	54.8
151	70.3	59.8	89.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

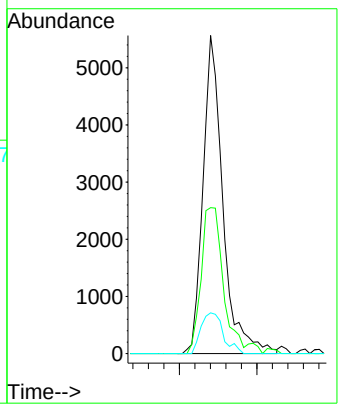
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

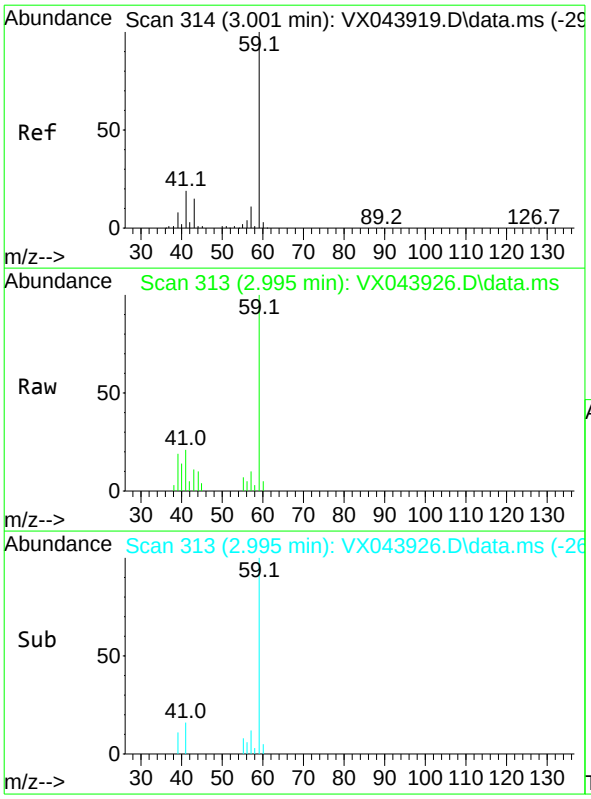


#10
Methyl Iodide
Concen: 4.346 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.001 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:142 Resp: 9897

Ion	Ratio	Lower	Upper
142	100		
127	52.4	37.3	55.9
141	14.4	11.4	17.2

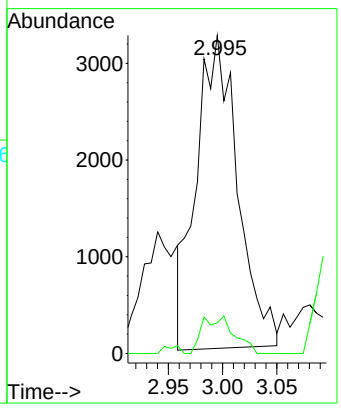




#11
Tert butyl alcohol
Concen: 19.717 ug/l
RT: 2.995 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 59 Resp: 8556

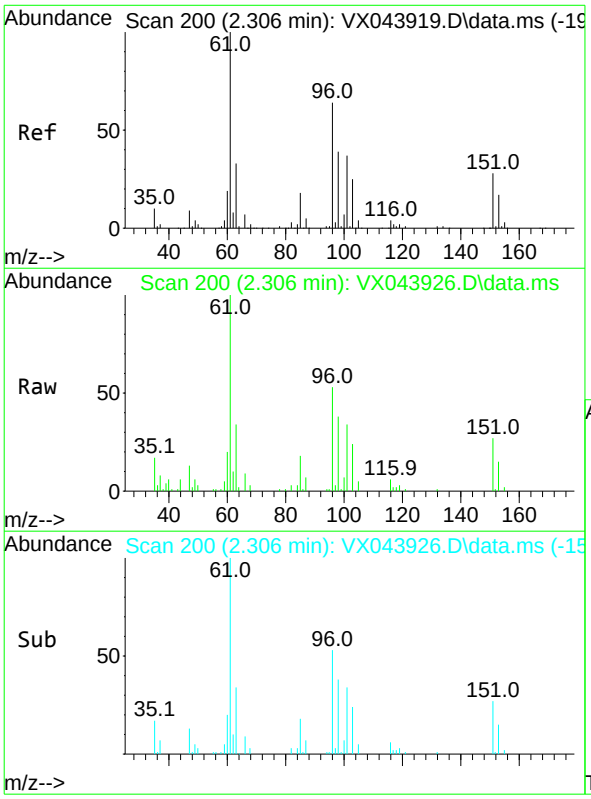
Ion	Ratio	Lower	Upper
59	100		
57	9.1	8.2	12.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

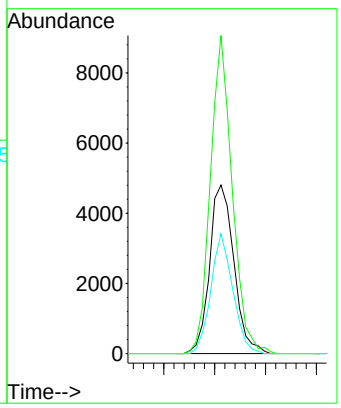
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

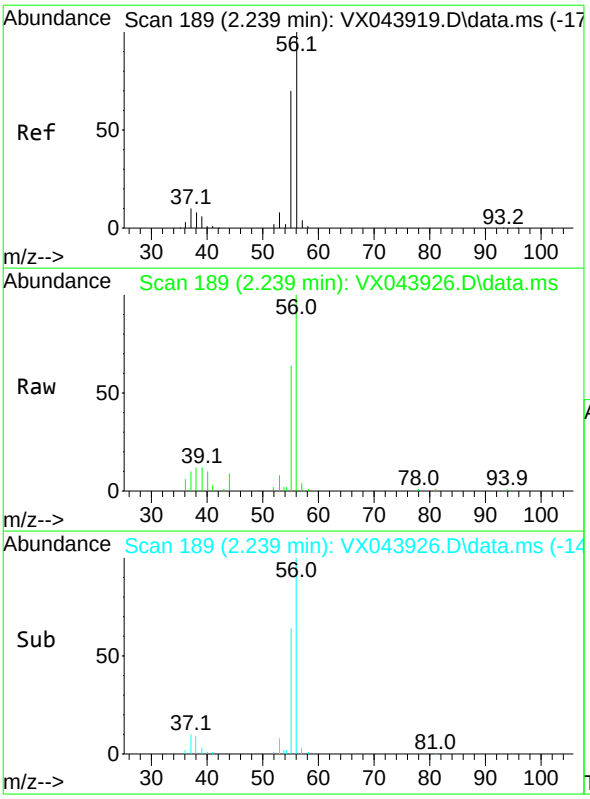


#12
1,1-Dichloroethene
Concen: 4.524 ug/l
RT: 2.306 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 96 Resp: 7987

Ion	Ratio	Lower	Upper
96	100		
61	188.7	124.6	187.0#
98	71.1	49.0	73.6

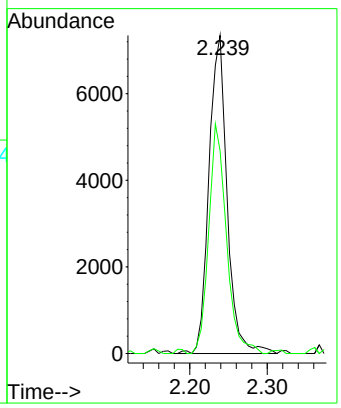




#13
Acrolein
Concen: 27.287 ug/l
RT: 2.239 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 56 Resp: 11940

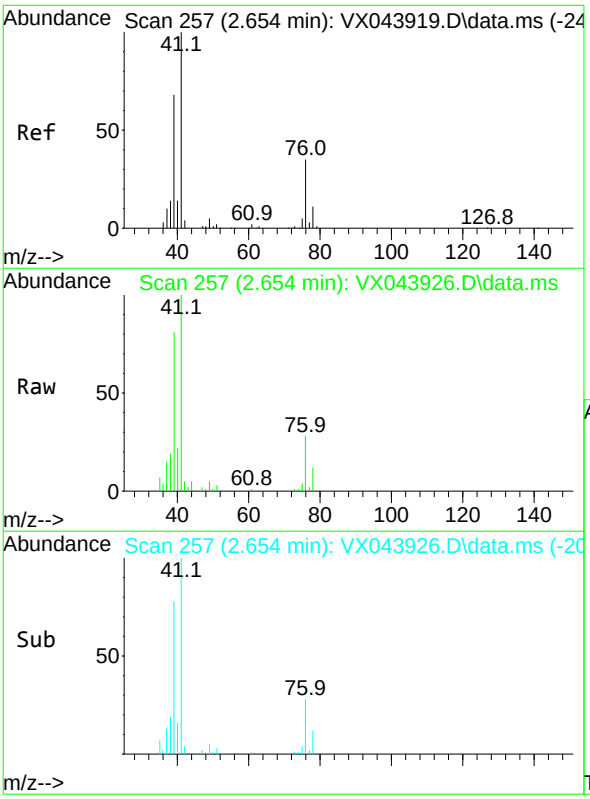
Ion	Ratio	Lower	Upper
56	100		
55	70.5	56.1	84.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

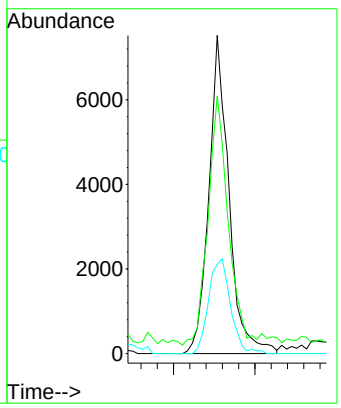
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

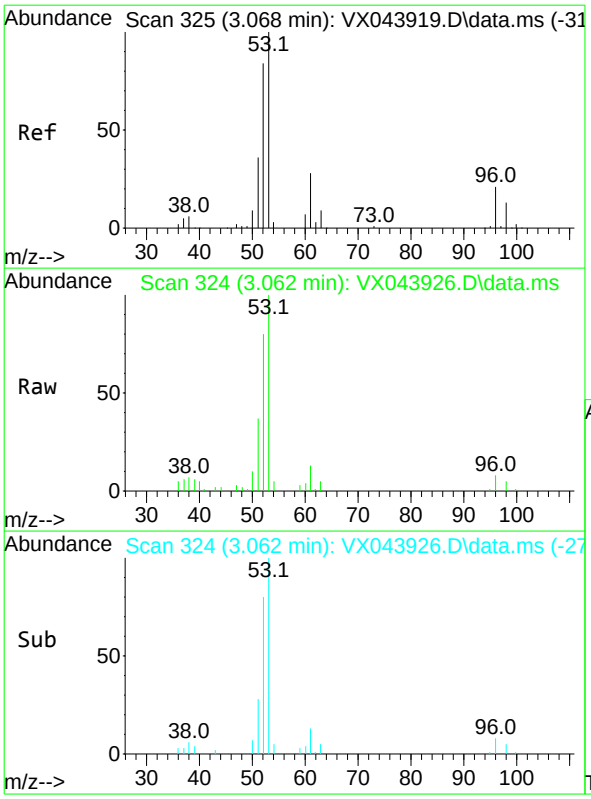


#14
Allyl chloride
Concen: 4.278 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 41 Resp: 12874

Ion	Ratio	Lower	Upper
41	100		
39	78.5	51.7	77.5#
76	32.4	28.2	42.2

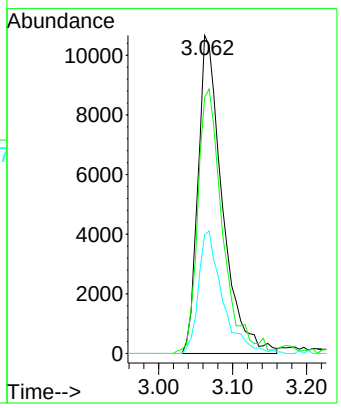




#15
Acrylonitrile
Concen: 22.867 ug/l
RT: 3.062 min Scan# 32
Delta R.T. -0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 53 Resp: 24290

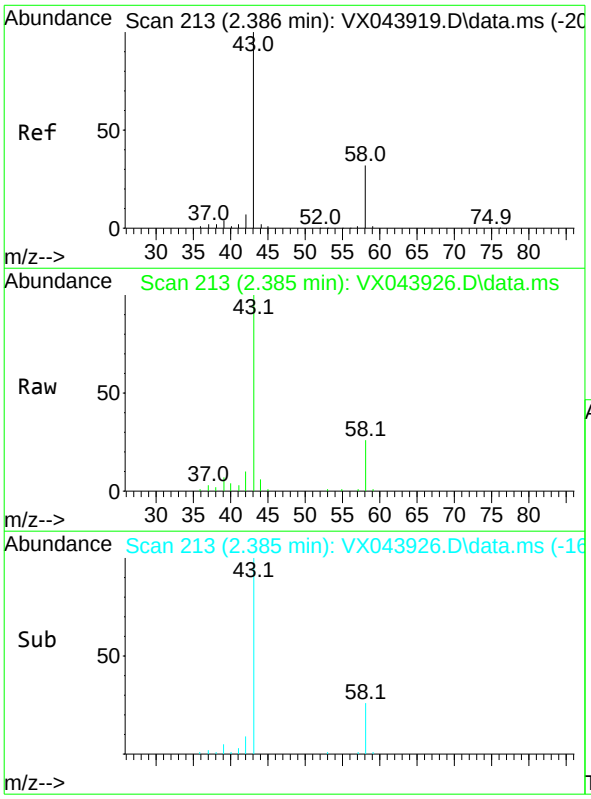
Ion	Ratio	Lower	Upper
53	100		
52	84.7	65.8	98.8
51	38.0	28.6	42.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

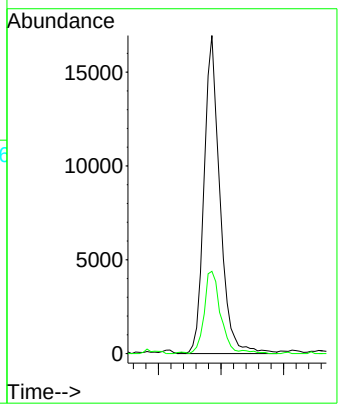
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

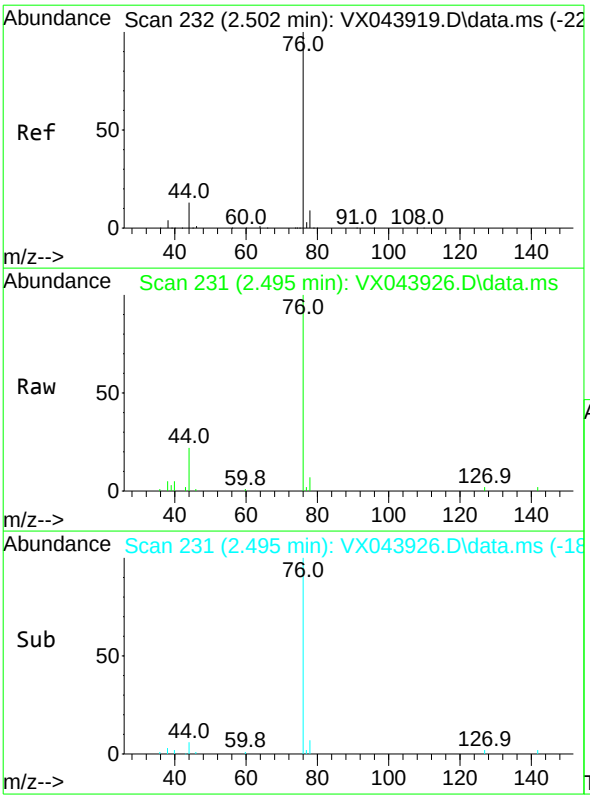


#16
Acetone
Concen: 24.457 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.001 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 43 Resp: 29886

Ion	Ratio	Lower	Upper
43	100		
58	25.9	25.8	38.6

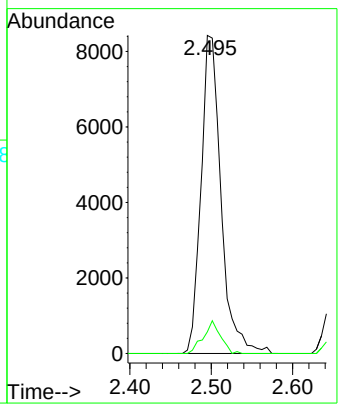




#17
Carbon Disulfide
Concen: 4.636 ug/l
RT: 2.495 min Scan# 23
Delta R.T. -0.007 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 76 Resp: 14415

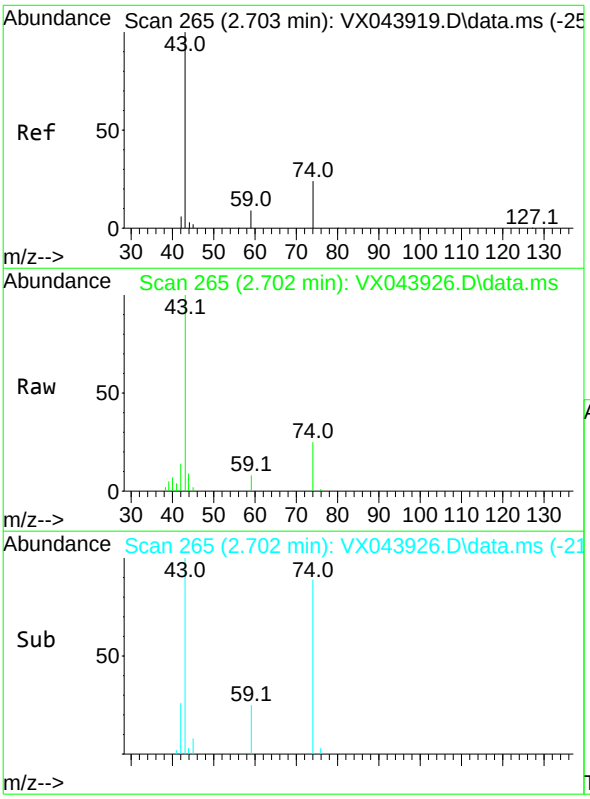
Ion	Ratio	Lower	Upper
76	100		
78	6.8	7.3	10.9#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

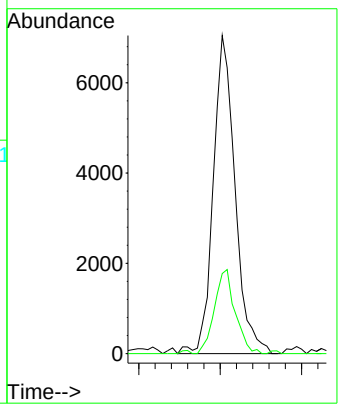
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

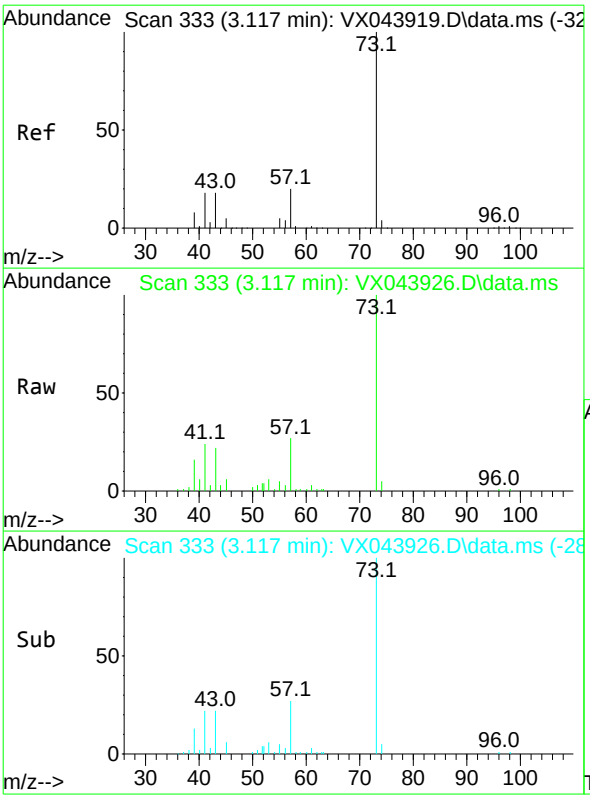


#18
Methyl Acetate
Concen: 4.577 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.001 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 43 Resp: 13127

Ion	Ratio	Lower	Upper
43	100		
74	25.0	20.1	30.1

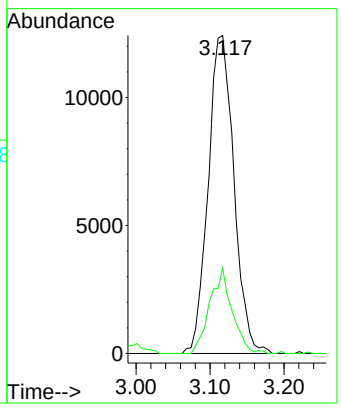




#19
Methyl tert-butyl Ether
Concen: 4.615 ug/l
RT: 3.117 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 73 Resp: 30022

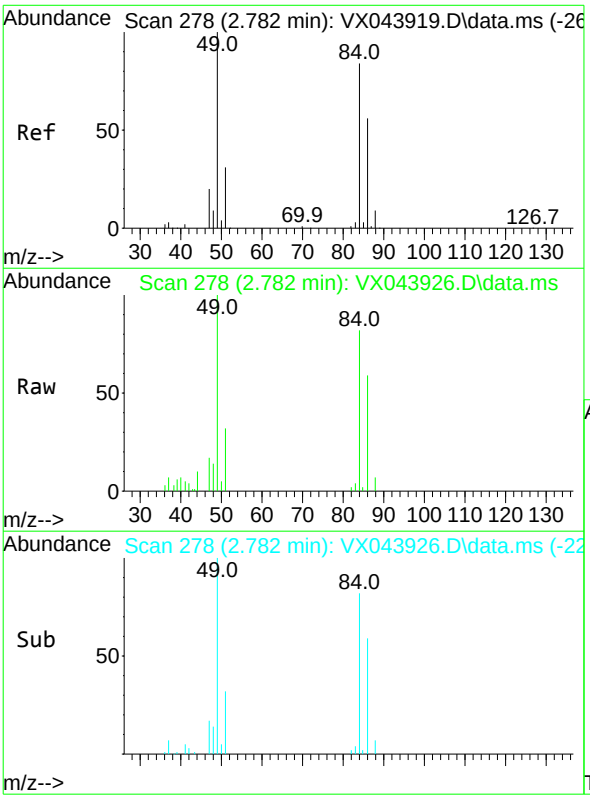
Ion	Ratio	Lower	Upper
73	100		
57	26.8	16.4	24.6#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

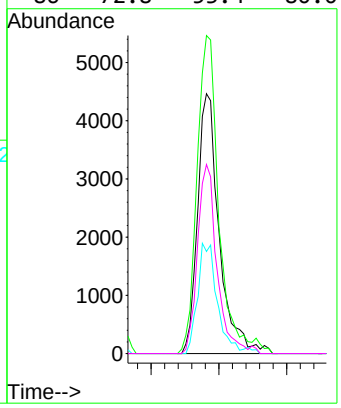
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

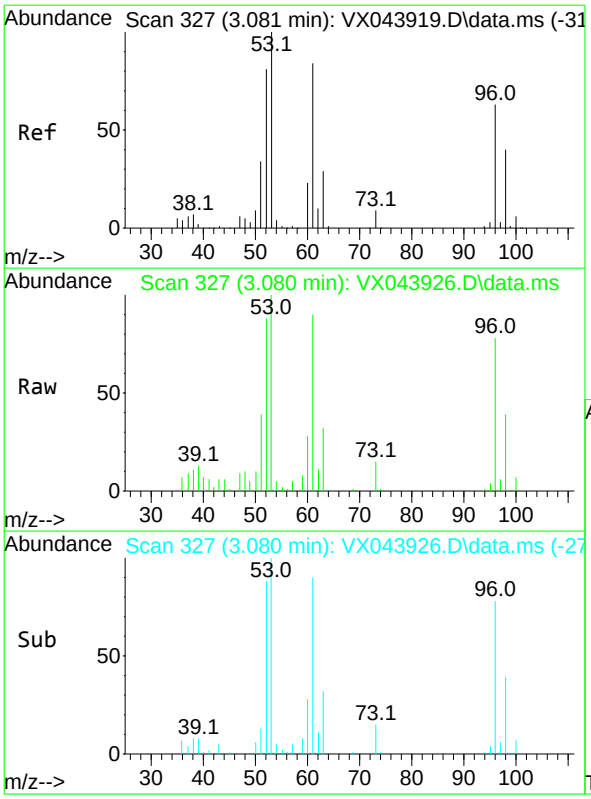


#20
Methylene Chloride
Concen: 4.667 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 84 Resp: 9895

Ion	Ratio	Lower	Upper
84	100		
49	122.4	95.1	142.7
51	39.3	29.2	43.8
86	72.8	53.4	80.0

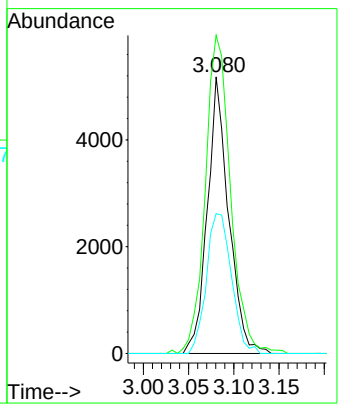




#21
trans-1,2-Dichloroethene
Concen: 4.326 ug/l
RT: 3.080 min Scan# 32
Delta R.T. -0.001 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 96 Resp: 8486

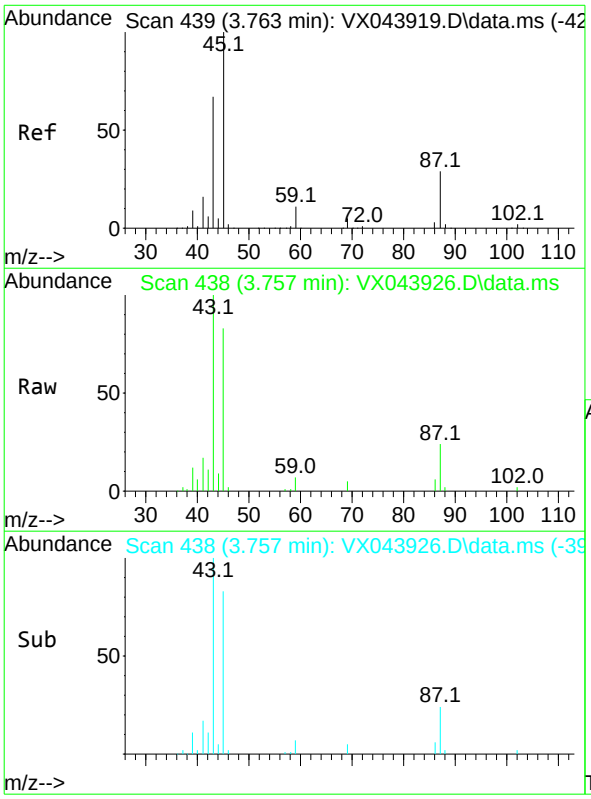
Ion	Ratio	Lower	Upper
96	100		
61	115.0	106.4	159.6
98	50.6	50.9	76.3#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

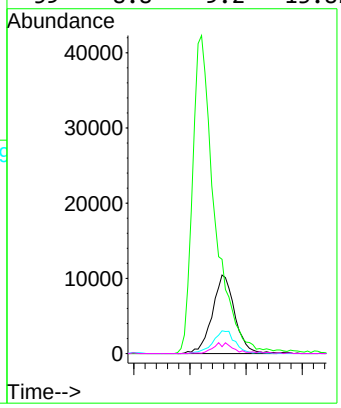
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

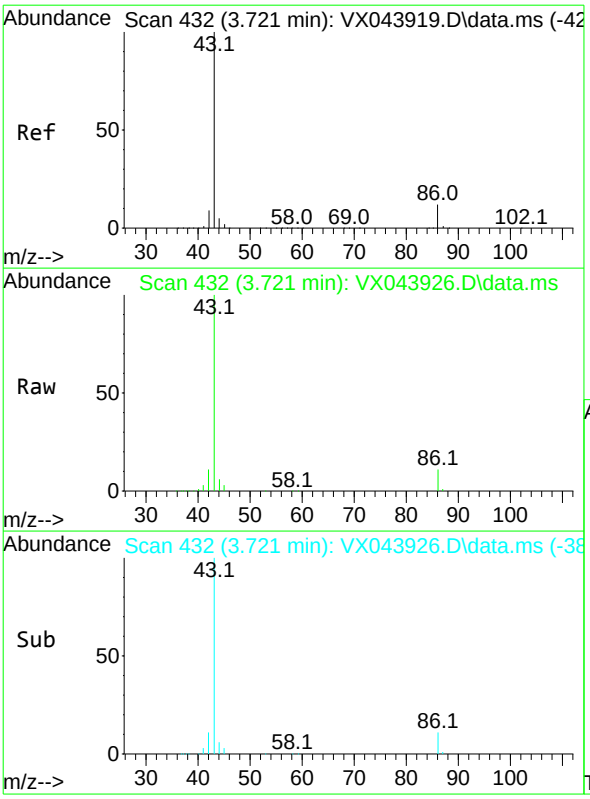


#22
Diisopropyl ether
Concen: 4.607 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 45 Resp: 29102

Ion	Ratio	Lower	Upper
45	100		
43	118.7	53.8	80.6#
87	29.0	23.4	35.2
59	8.8	9.2	13.8#

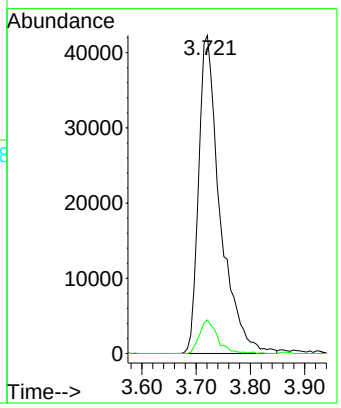




#23
Vinyl Acetate
Concen: 21.381 ug/l
RT: 3.721 min Scan# 43
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 43 Resp: 116242

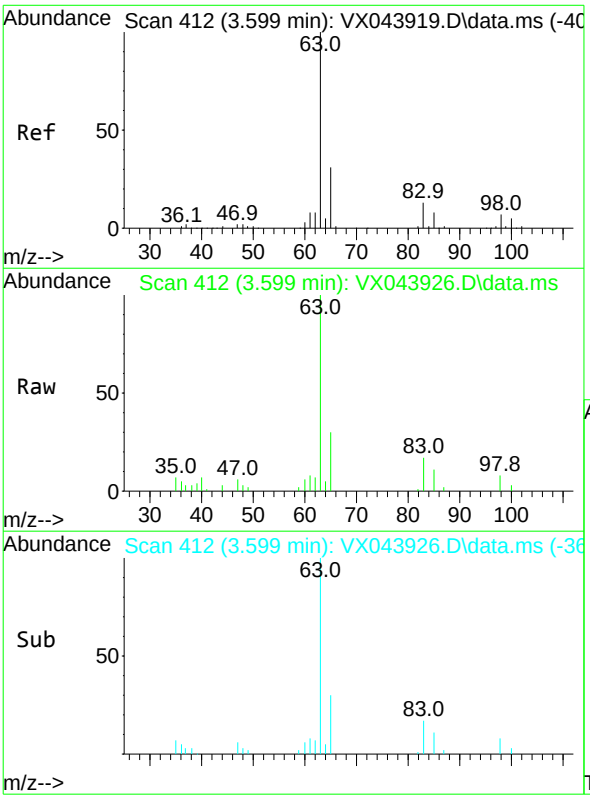
Ion	Ratio	Lower	Upper
43	100		
86	10.5	9.4	14.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

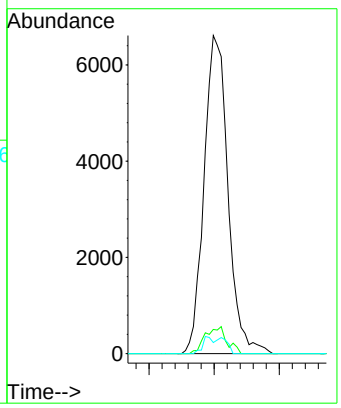
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

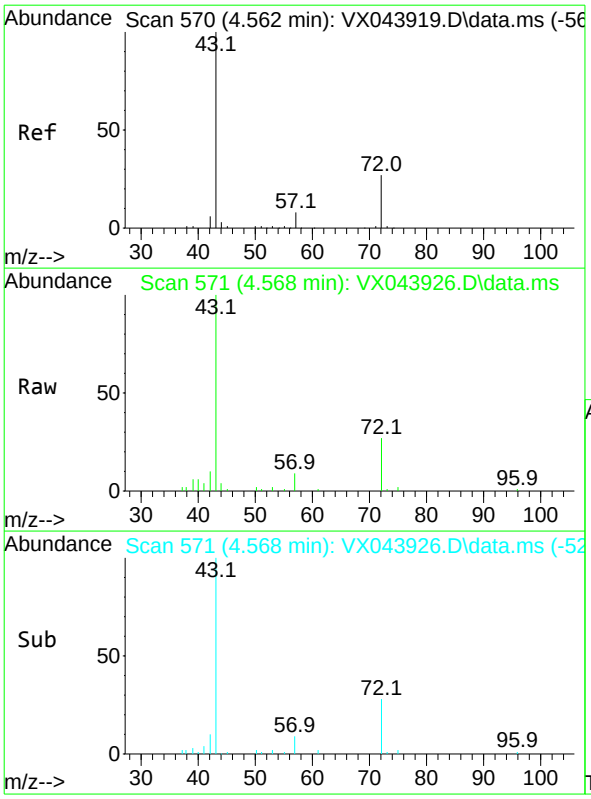


#24
1,1-Dichloroethane
Concen: 4.635 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 63 Resp: 16857

Ion	Ratio	Lower	Upper
63	100		
98	7.6	3.7	11.1
100	3.5	2.4	7.2





#25
2-Butanone
Concen: 23.245 ug/l
RT: 4.568 min Scan# 57
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

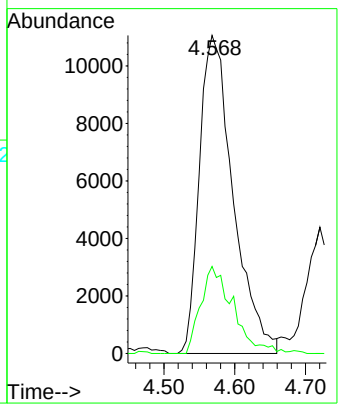
Tgt Ion: 43 Resp: 36680

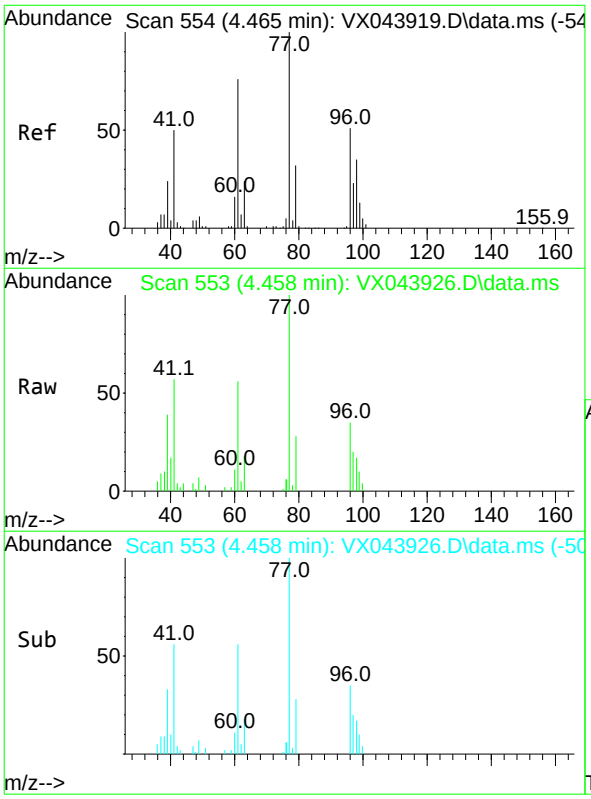
Ion	Ratio	Lower	Upper
43	100		
72	27.4	21.3	31.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

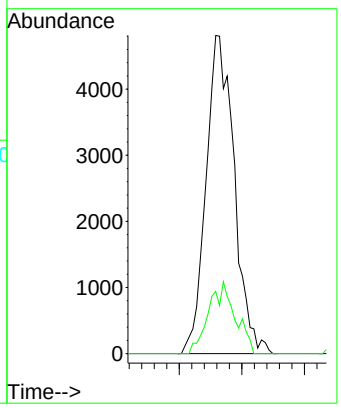


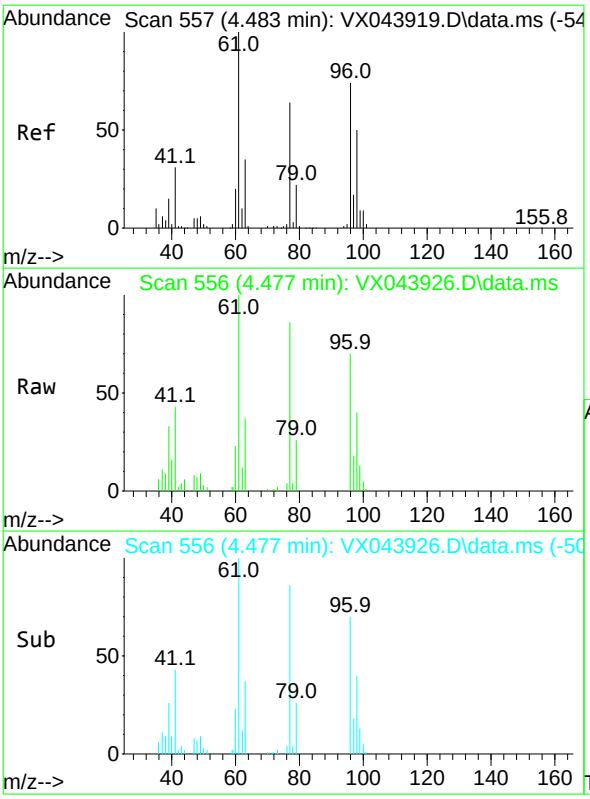


#26
2,2-Dichloropropane
Concen: 4.560 ug/l
RT: 4.458 min Scan# 553
Delta R.T. -0.007 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 77 Resp: 15040

Ion	Ratio	Lower	Upper
77	100		
97	10.0	11.7	35.1#

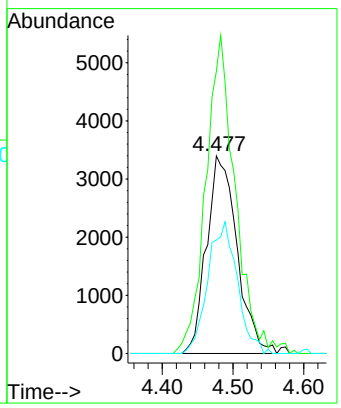




#27
cis-1,2-Dichloroethene
Concen: 4.366 ug/l
RT: 4.477 min Scan# 55
Delta R.T. -0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 96 Resp: 10153

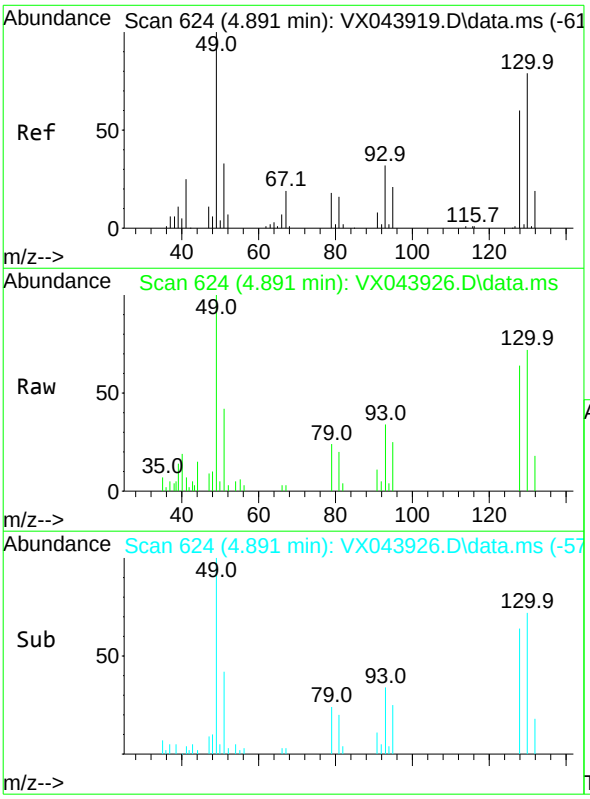
Ion	Ratio	Lower	Upper
96	100		
61	155.7	0.0	279.4
98	64.3	0.0	131.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

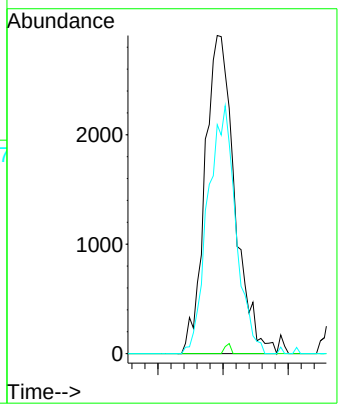
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

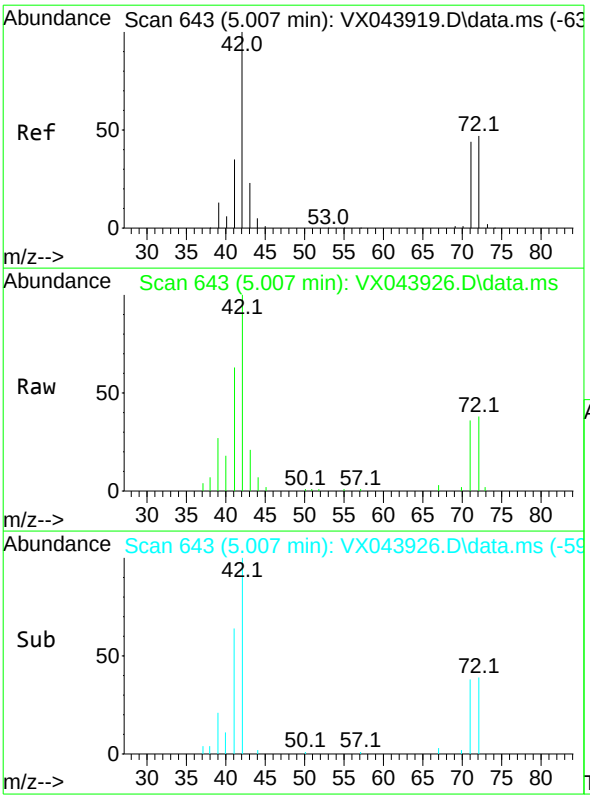


#28
Bromochloromethane
Concen: 5.746 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 49 Resp: 9210

Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	4.4
130	73.5	68.2	102.2

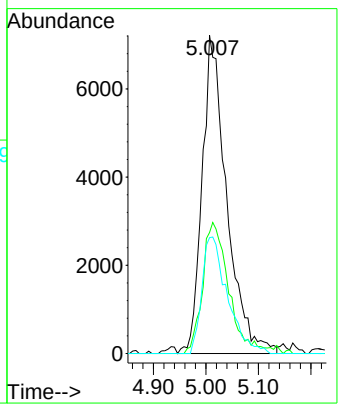




#29
Tetrahydrofuran
Concen: 23.872 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 42 Resp: 23518

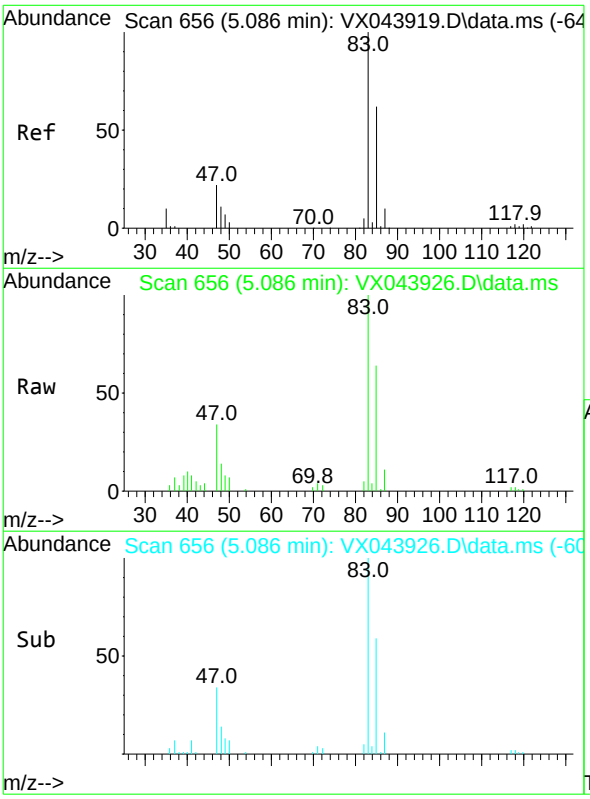
Ion	Ratio	Lower	Upper
42	100		
72	43.4	37.9	56.9
71	38.1	34.8	52.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

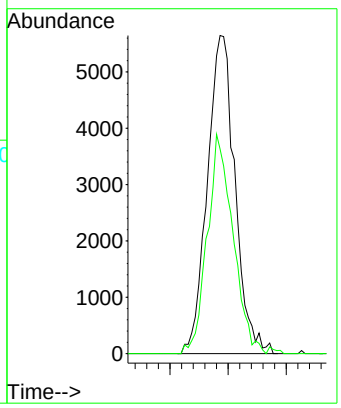
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

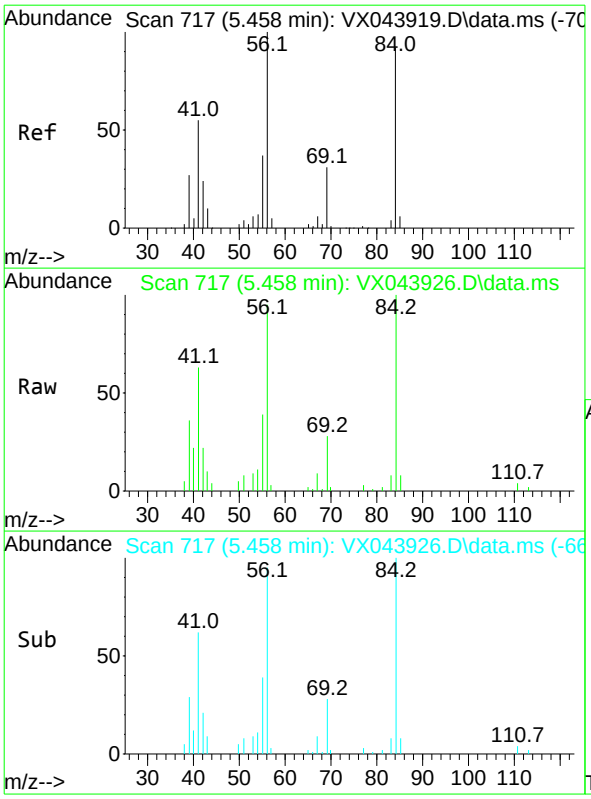


#30
Chloroform
Concen: 4.725 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 83 Resp: 18661

Ion	Ratio	Lower	Upper
83	100		
85	64.3	49.7	74.5

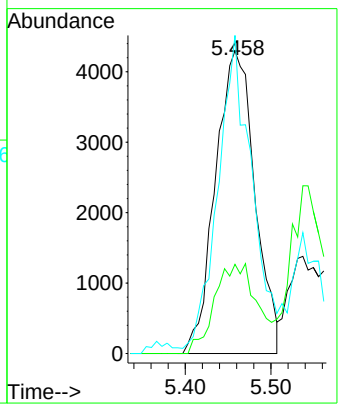




#31
Cyclohexane
Concen: 4.767 ug/l
RT: 5.458 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 56 Resp: 13740

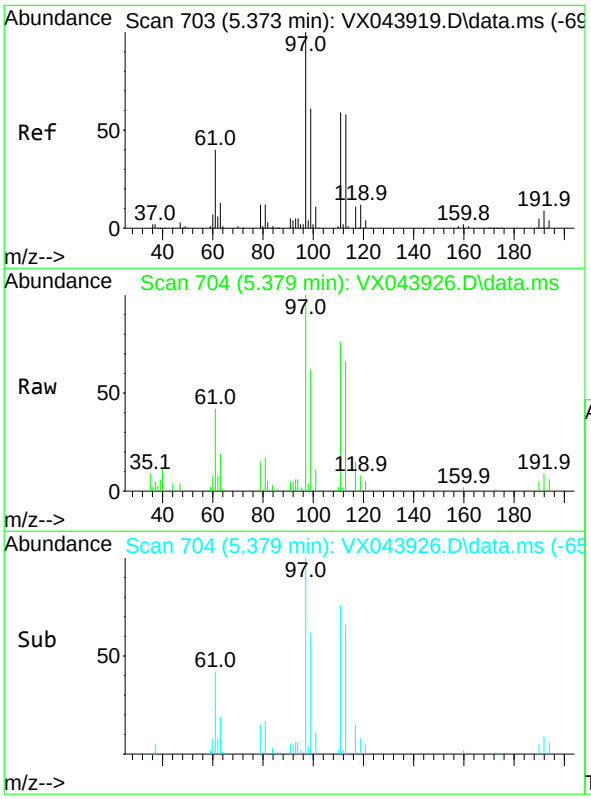
Ion	Ratio	Lower	Upper
56	100		
69	29.5	24.9	37.3
84	103.2	73.8	110.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

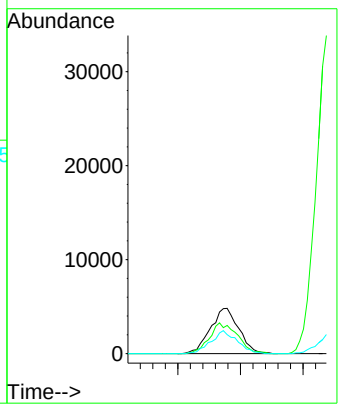
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

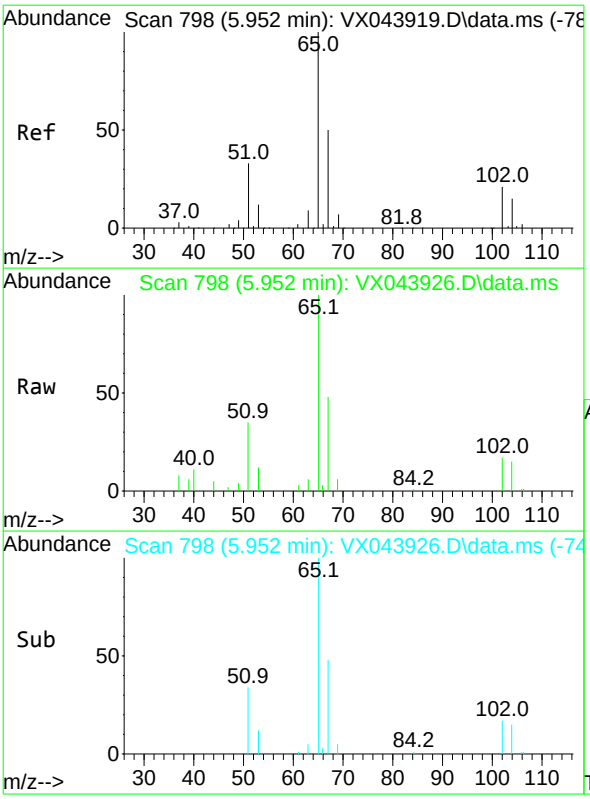


#32
1,1,1-Trichloroethane
Concen: 4.545 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 97 Resp: 15162

Ion	Ratio	Lower	Upper
97	100		
99	66.9	51.2	76.8
61	46.2	32.9	49.3

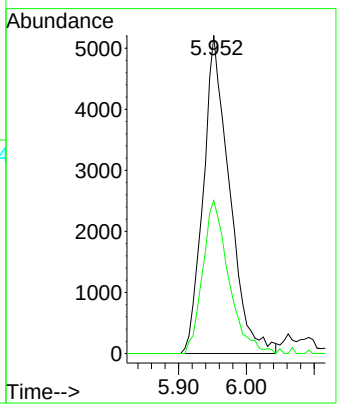




#33
1,2-Dichloroethane-d4
Concen: 5.398 ug/l
RT: 5.952 min Scan# 79
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 65 Resp: 13961

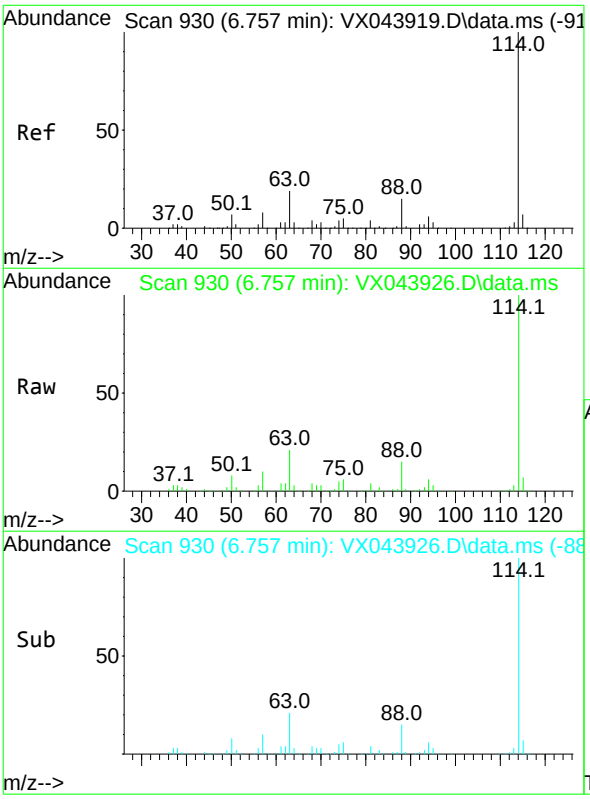
Ion	Ratio	Lower	Upper
65	100		
67	47.8	0.0	103.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

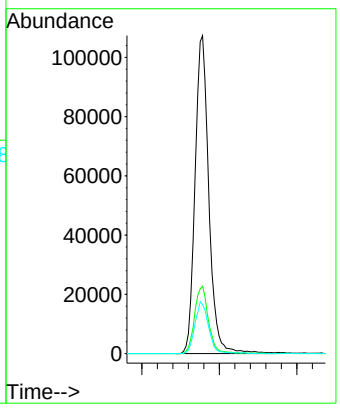
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

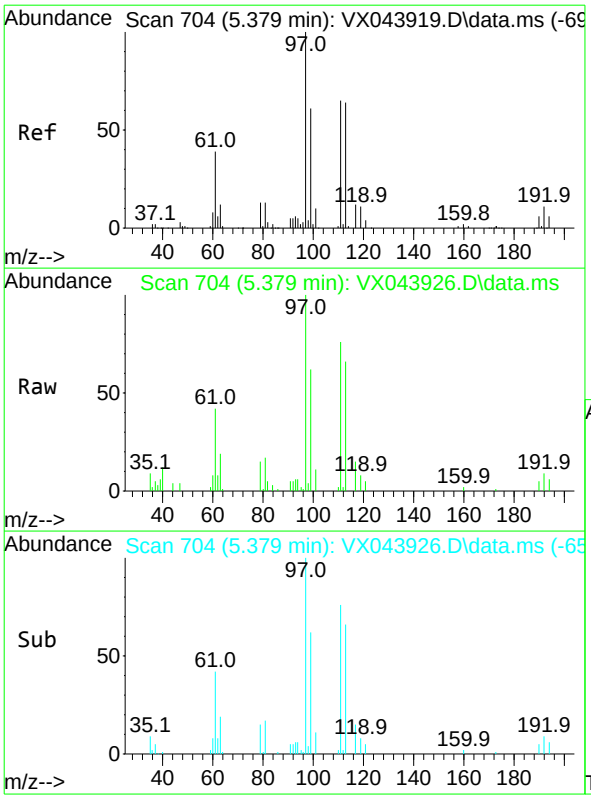


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:114 Resp: 264969

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	39.0
88	15.4	0.0	30.2





#35
Dibromofluoromethane
Concen: 5.198 ug/l
RT: 5.379 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

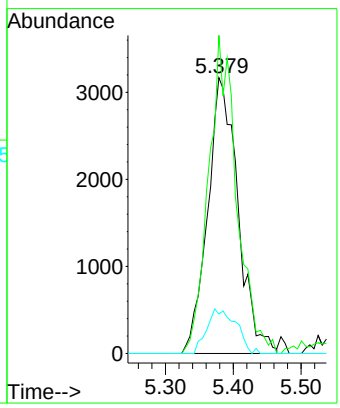
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

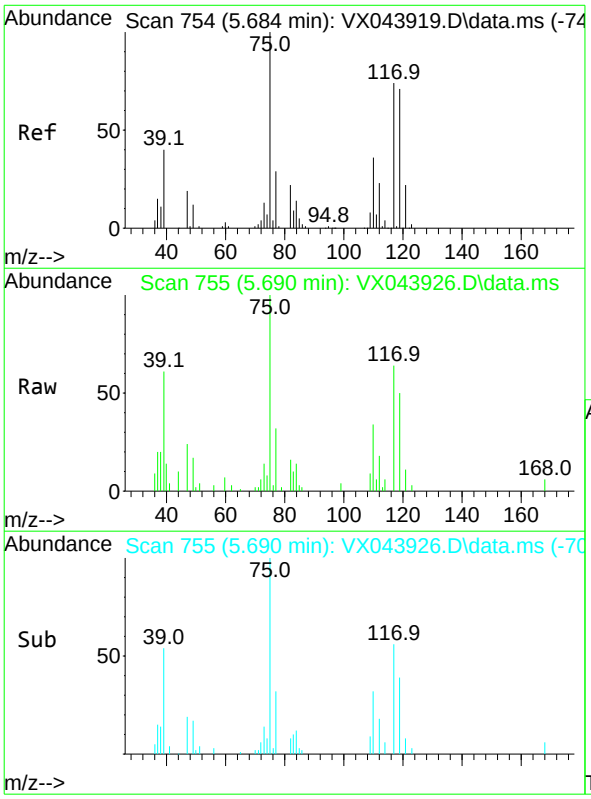
Tgt Ion:113 Resp: 9842

Ion	Ratio	Lower	Upper
113	100		
111	107.2	81.0	121.6
192	15.6	14.2	21.2

Manual Integrations
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Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

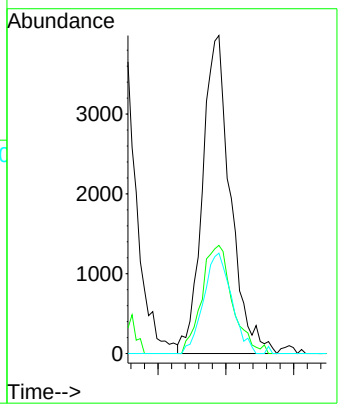


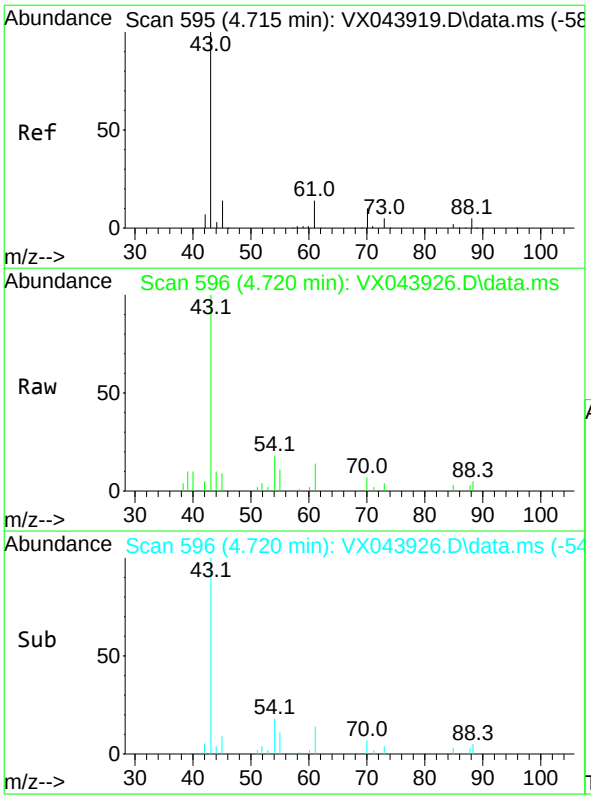


#36
1,1-Dichloropropene
Concen: 4.435 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 75 Resp: 11406

Ion	Ratio	Lower	Upper
75	100		
110	37.4	17.5	52.5
77	31.6	24.9	37.3

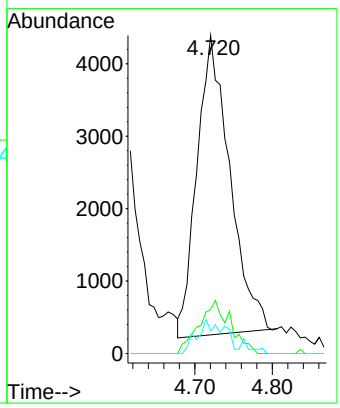




#37
Ethyl Acetate
Concen: 4.528 ug/l
RT: 4.720 min Scan# 59
Delta R.T. 0.005 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 43 Resp: 12177

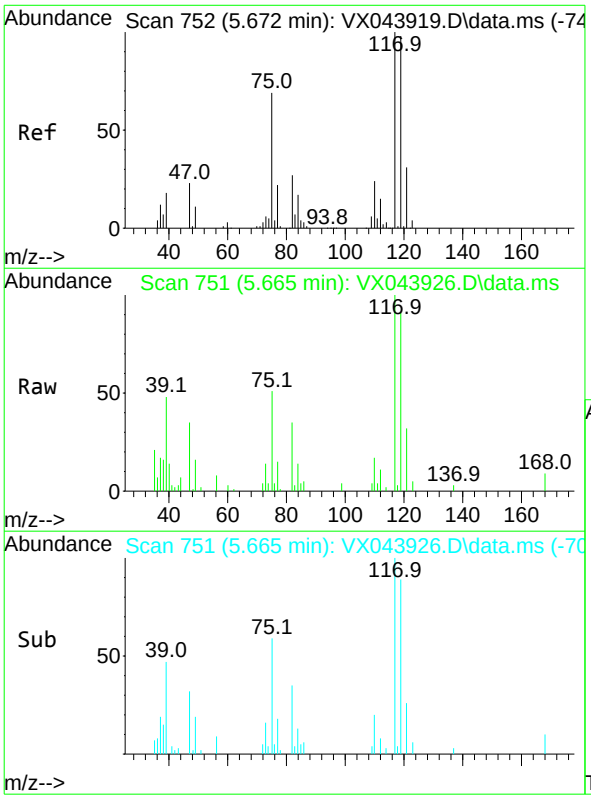
Ion	Ratio	Lower	Upper
43	100		
61	16.9	11.5	17.3
70	9.4	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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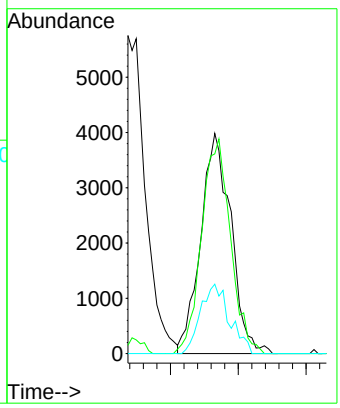
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

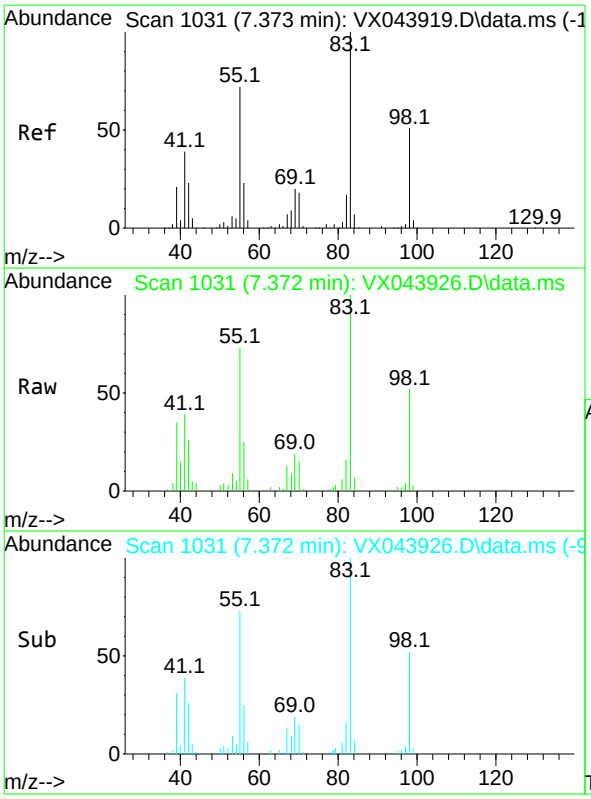


#38
Carbon Tetrachloride
Concen: 4.503 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.007 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:117 Resp: 12348

Ion	Ratio	Lower	Upper
117	100		
119	90.7	78.3	117.5
121	31.5	25.1	37.7

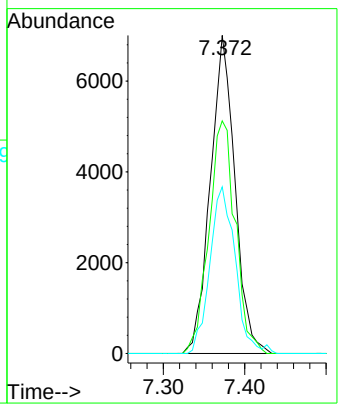




#39
Methylcyclohexane
Concen: 4.668 ug/l
RT: 7.372 min Scan# 10
Delta R.T. -0.001 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 83 Resp: 14721

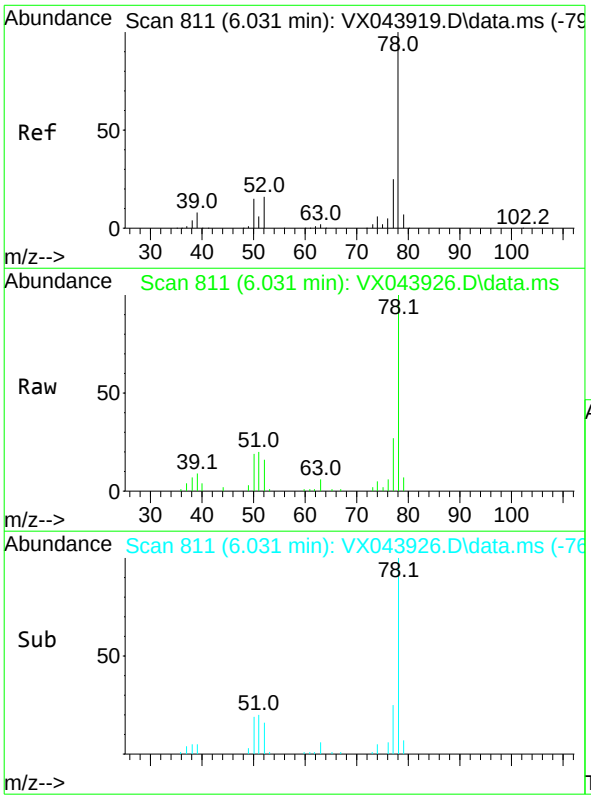
Ion	Ratio	Lower	Upper
83	100		
55	73.1	57.9	86.9
98	52.4	40.5	60.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

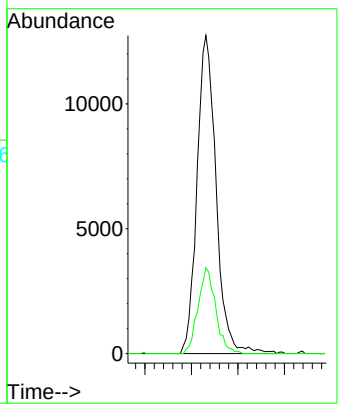
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

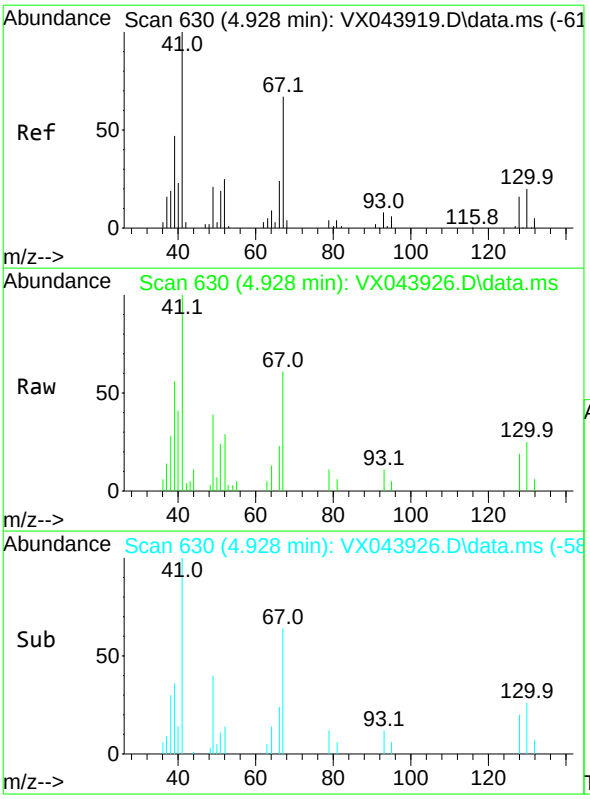


#40
Benzene
Concen: 4.740 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 78 Resp: 36283

Ion	Ratio	Lower	Upper
78	100		
77	27.0	19.8	29.8

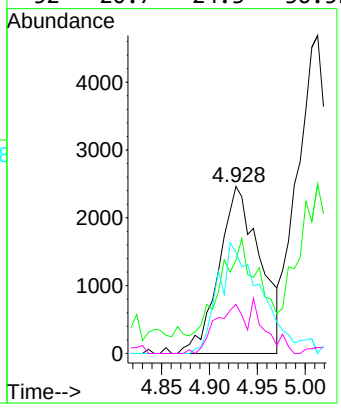




#41
Methacrylonitrile
Concen: 4.783 ug/l
RT: 4.928 min Scan# 63
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 41 Resp: 7355

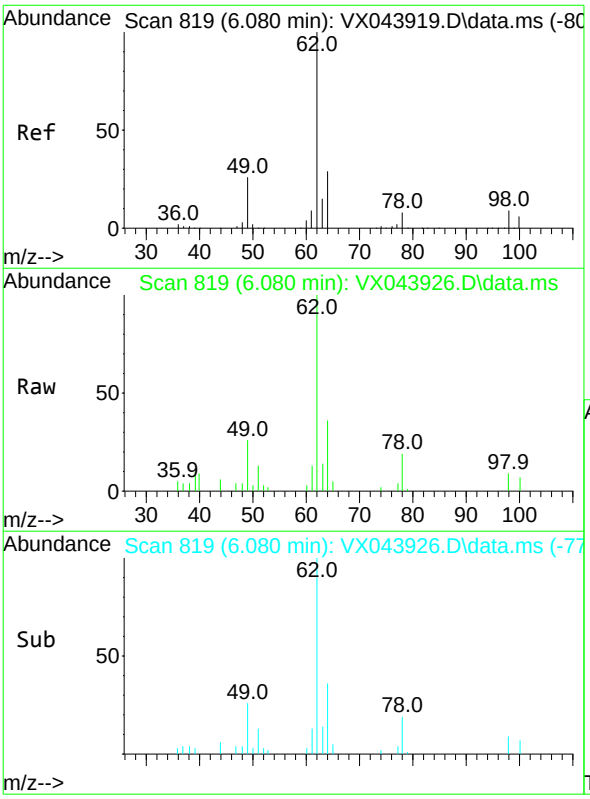
Ion	Ratio	Lower	Upper
41	100		
39	52.5	41.2	61.8
67	72.4	60.3	90.5
52	20.7	24.3	36.5#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

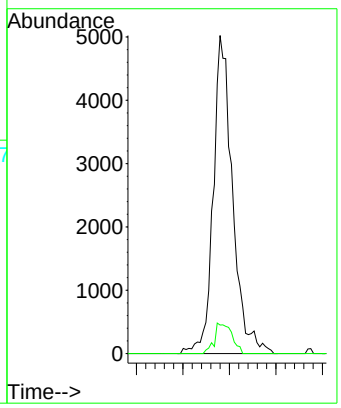
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

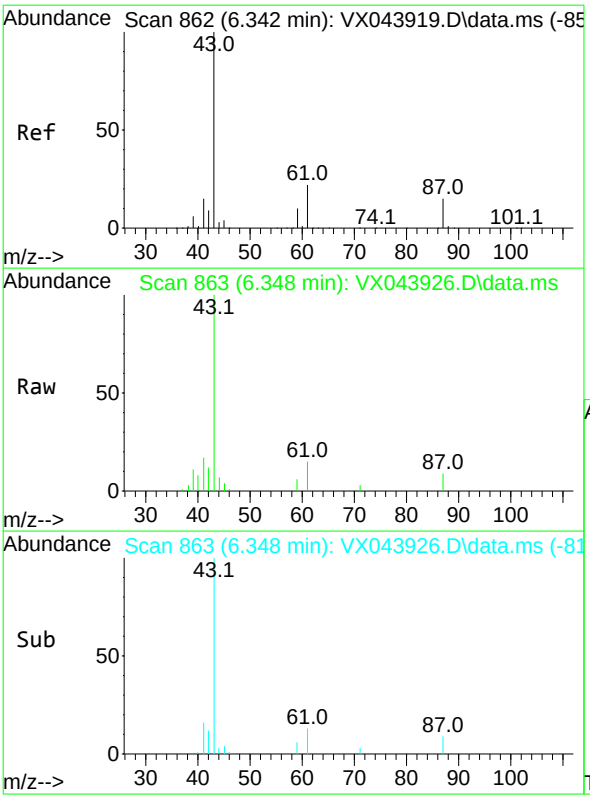


#42
1,2-Dichloroethane
Concen: 4.731 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 62 Resp: 14467

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	18.6





#43
Isopropyl Acetate
Concen: 4.619 ug/l
RT: 6.348 min Scan# 86
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

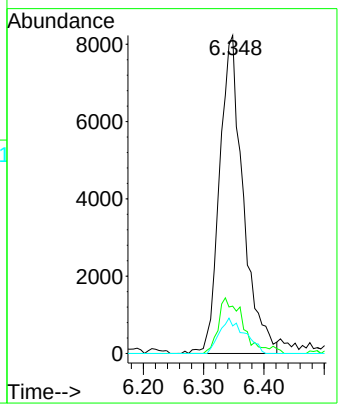
Tgt Ion: 43 Resp: 22267

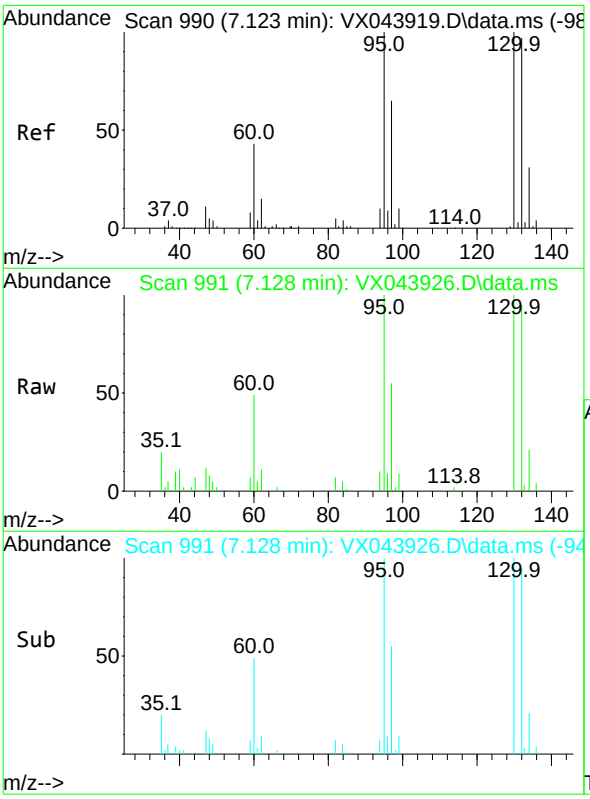
Ion	Ratio	Lower	Upper
43	100		
61	18.0	16.9	25.3
87	11.9	11.9	17.9#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

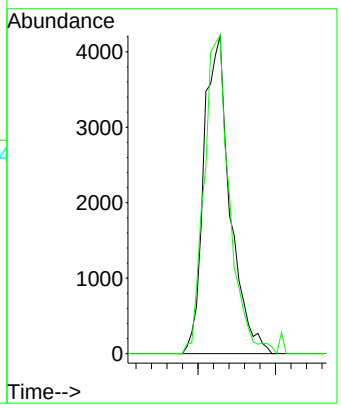


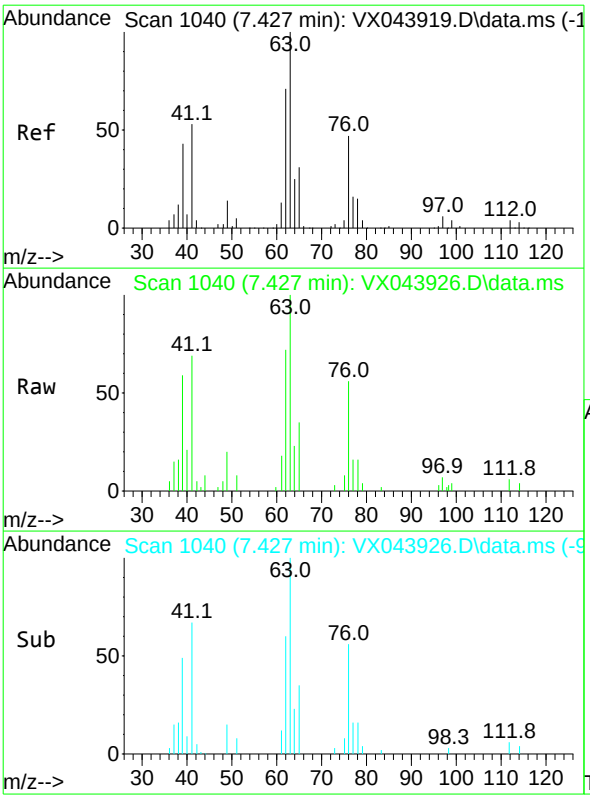


#44
Trichloroethene
Concen: 4.284 ug/l
RT: 7.128 min Scan# 991
Delta R.T. 0.005 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:130 Resp: 9852

Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	200.8

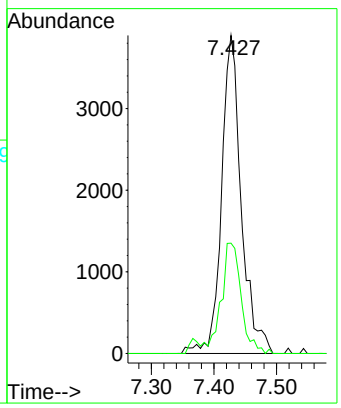




#45
1,2-Dichloropropane
Concen: 4.446 ug/l
RT: 7.427 min Scan# 10
Delta R.T. 0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 63 Resp: 8525

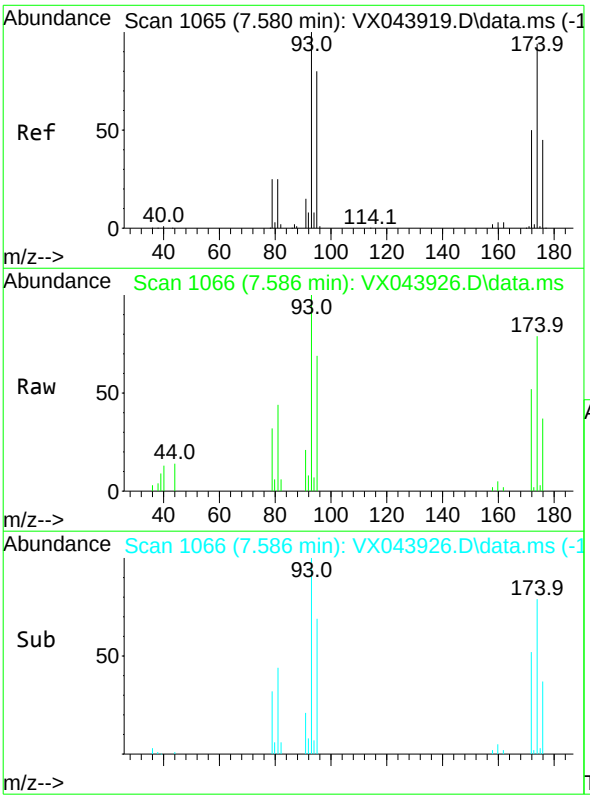
Ion	Ratio	Lower	Upper
63	100		
65	34.7	24.5	36.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

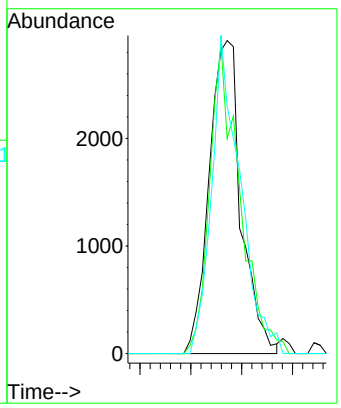
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

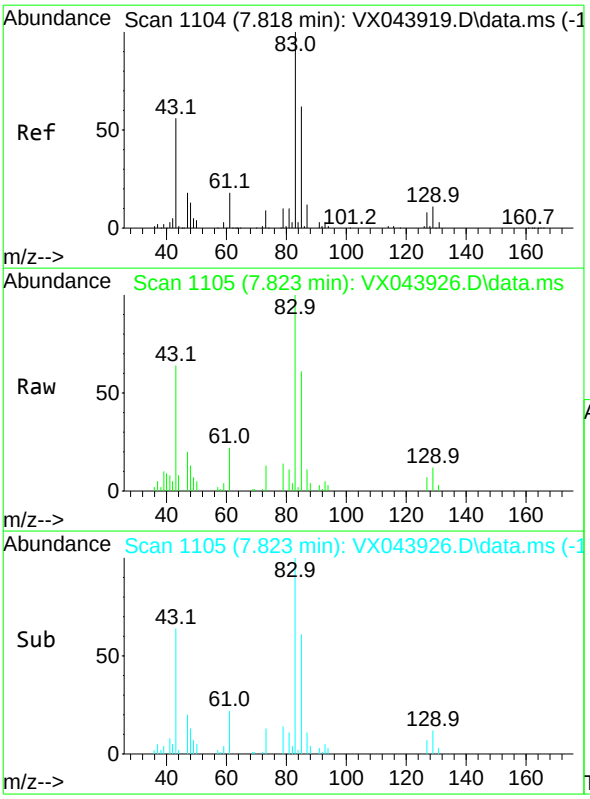


#46
Dibromomethane
Concen: 4.181 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 93 Resp: 6372

Ion	Ratio	Lower	Upper
93	100		
95	92.5	66.1	99.1
174	90.3	75.2	112.8

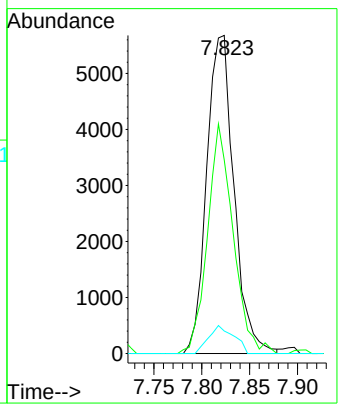




#47
Bromodichloromethane
Concen: 4.153 ug/l
RT: 7.823 min Scan# 11
Delta R.T. 0.005 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 83 Resp: 11249

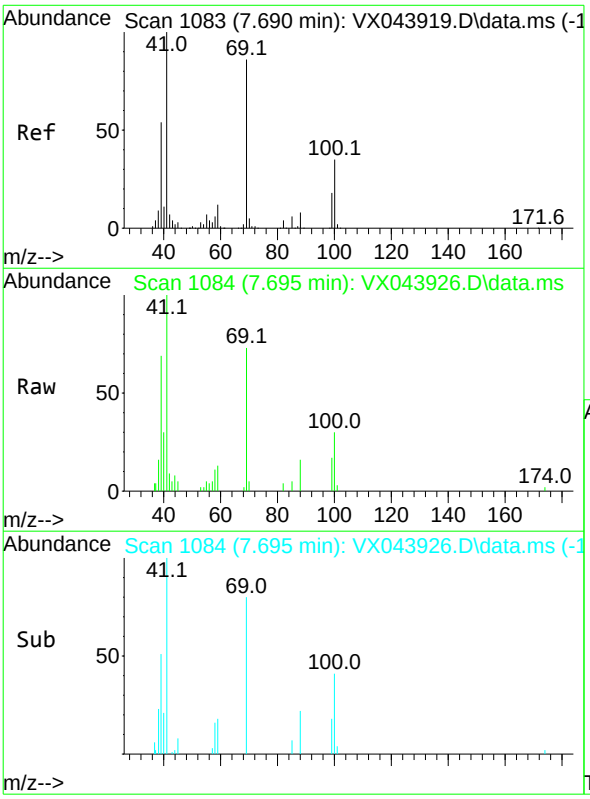
Ion	Ratio	Lower	Upper
83	100		
85	60.8	49.4	74.0
127	7.1	6.2	9.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

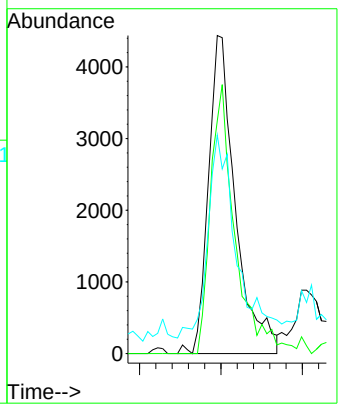
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

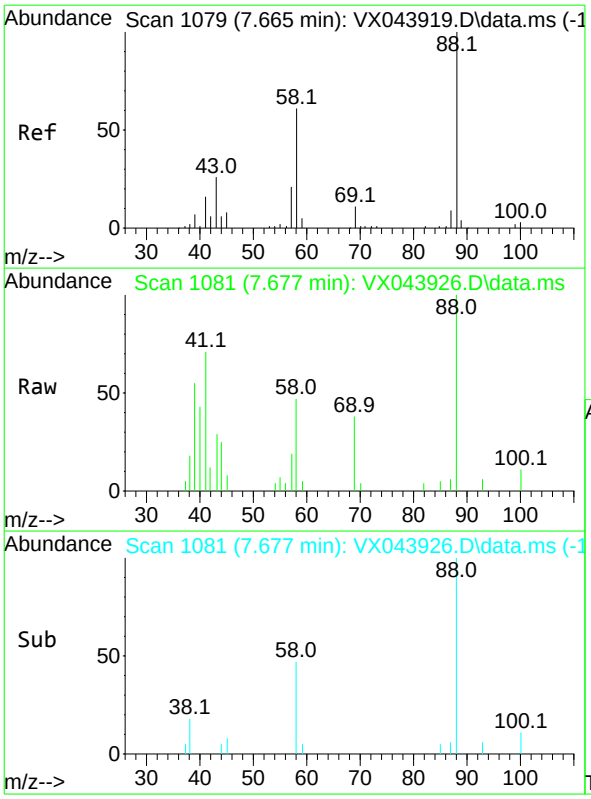


#48
Methyl methacrylate
Concen: 4.466 ug/l
RT: 7.695 min Scan# 1084
Delta R.T. 0.005 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 41 Resp: 10190

Ion	Ratio	Lower	Upper
41	100		
69	77.6	72.1	108.1
39	60.5	43.8	65.8

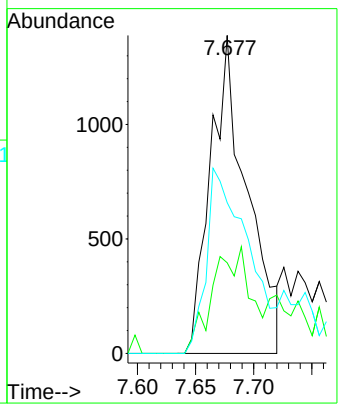




#49
1,4-Dioxane
Concen: 93.552 ug/l
RT: 7.677 min Scan# 10
Delta R.T. 0.012 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 88 Resp: 3056

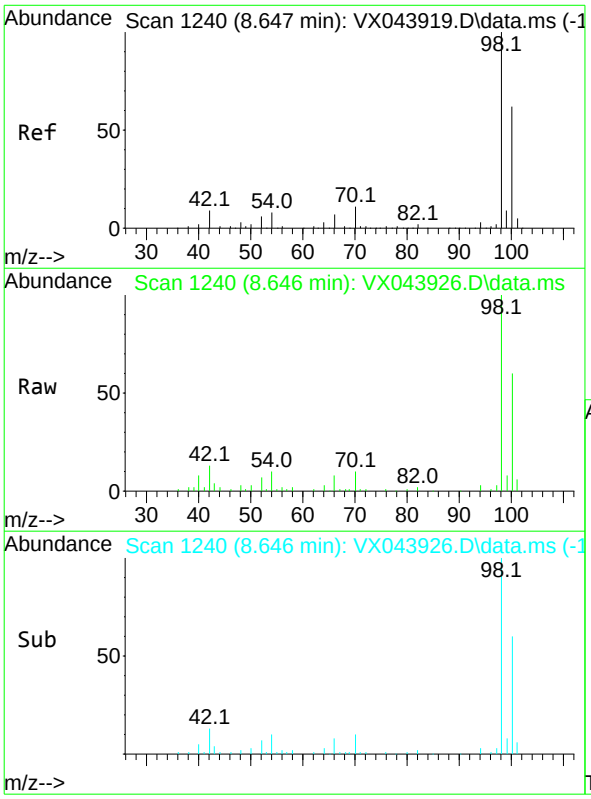
Ion	Ratio	Lower	Upper
88	100		
43	0.0	17.4	26.0#
58	66.3	41.0	61.6#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

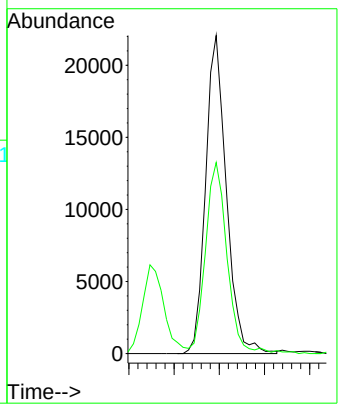
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

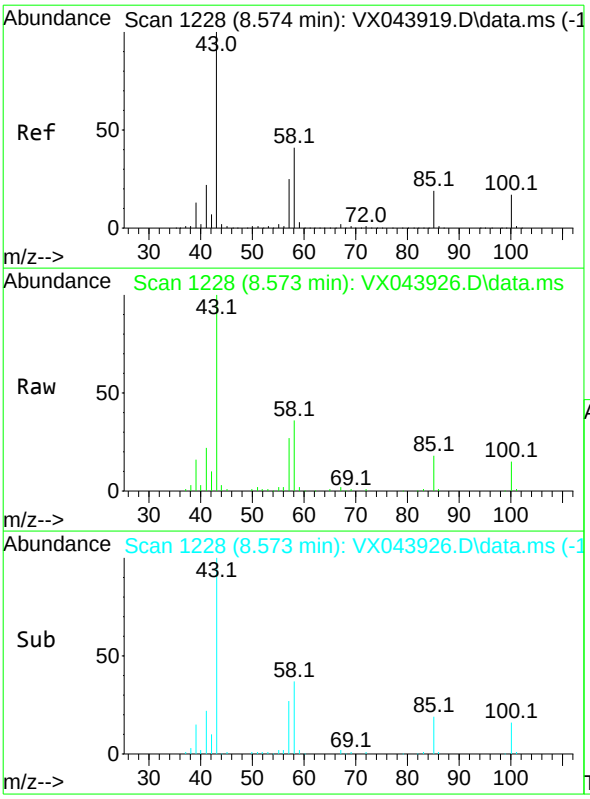


#50
Toluene-d8
Concen: 5.389 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.001 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 98 Resp: 35173

Ion	Ratio	Lower	Upper
98	100		
100	62.7	53.0	79.6

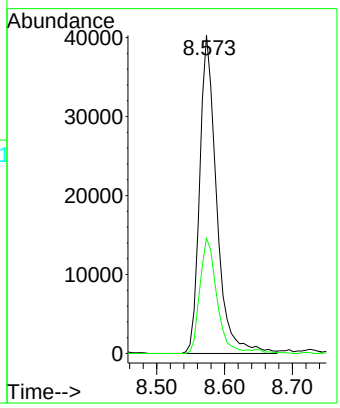




#51
4-Methyl-2-Pentanone
Concen: 23.750 ug/l
RT: 8.573 min Scan# 12
Delta R.T. -0.001 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 43 Resp: 69843

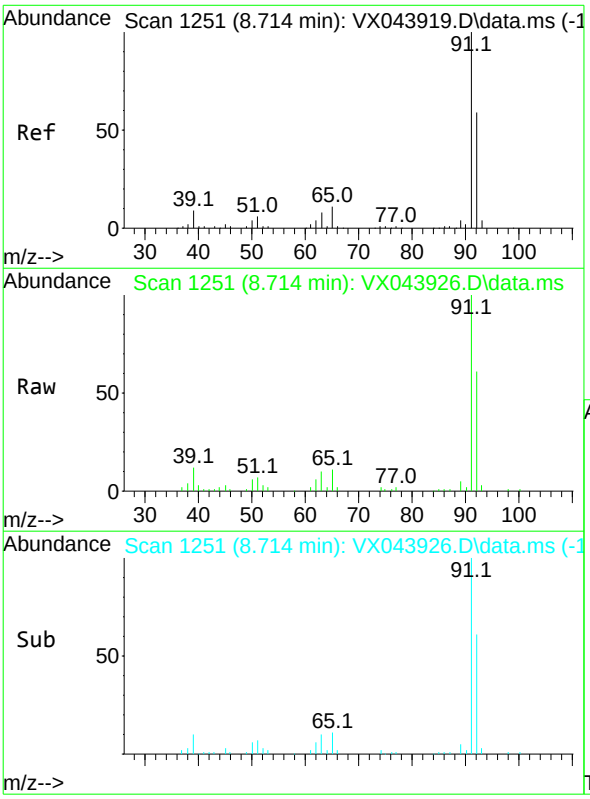
Ion	Ratio	Lower	Upper
43	100		
58	35.9	32.4	48.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

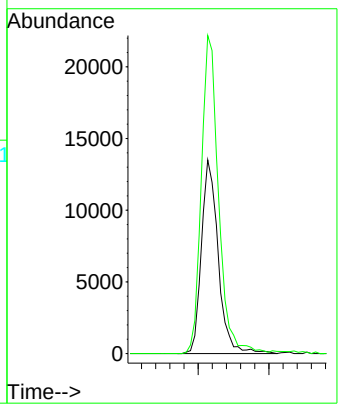
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

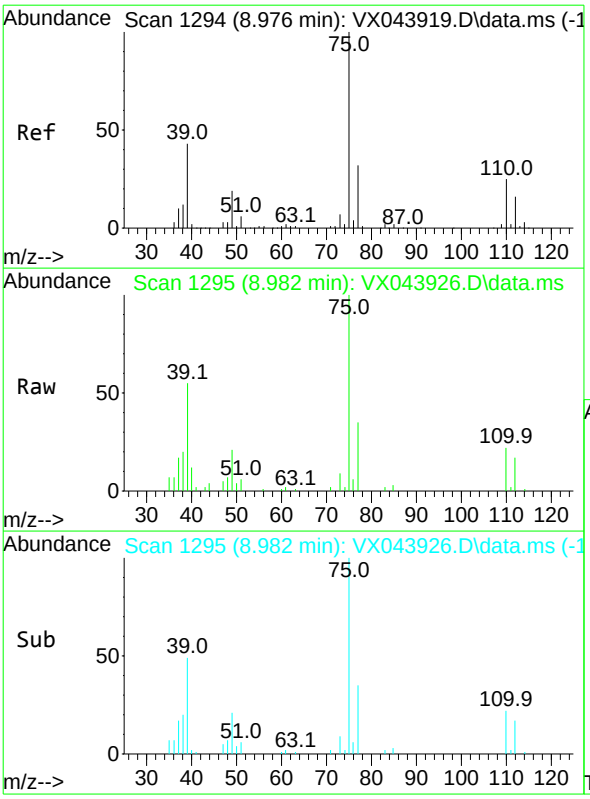


#52
Toluene
Concen: 4.736 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 92 Resp: 22218

Ion	Ratio	Lower	Upper
92	100		
91	168.5	136.2	204.4

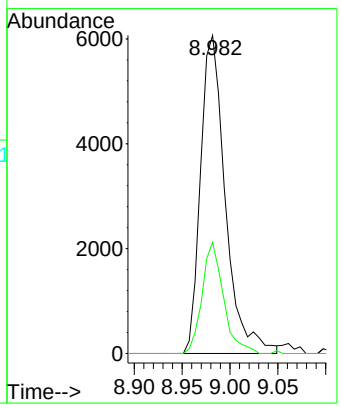




#53
t-1,3-Dichloropropene
Concen: 4.002 ug/l
RT: 8.982 min Scan# 12
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 75 Resp: 10937

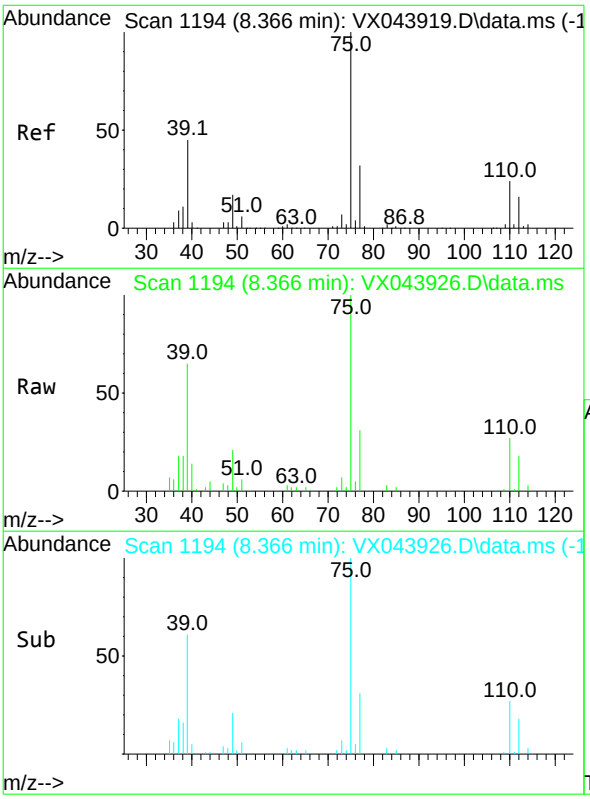
Ion	Ratio	Lower	Upper
75	100		
77	35.0	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

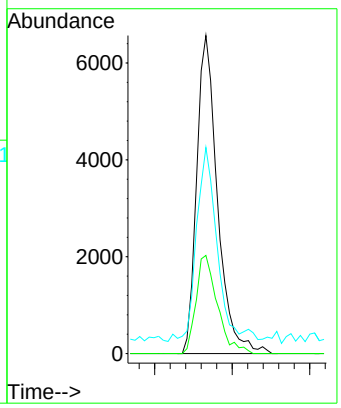
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

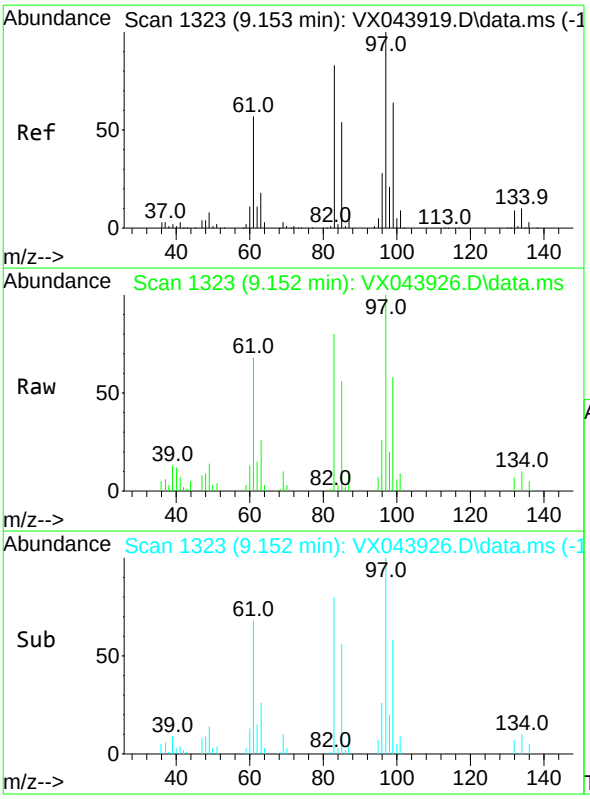


#54
cis-1,3-Dichloropropene
Concen: 4.109 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 75 Resp: 12253

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.4	38.2
39	60.0	36.1	54.1#

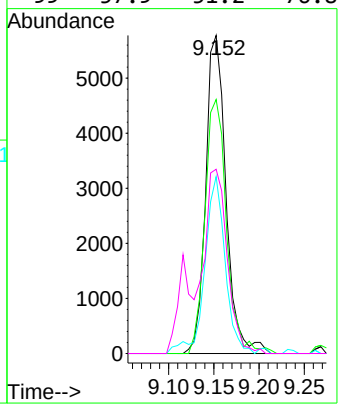




#55
1,1,2-Trichloroethane
Concen: 4.745 ug/l
RT: 9.152 min Scan# 13
Delta R.T. -0.001 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 97 Resp: 9000

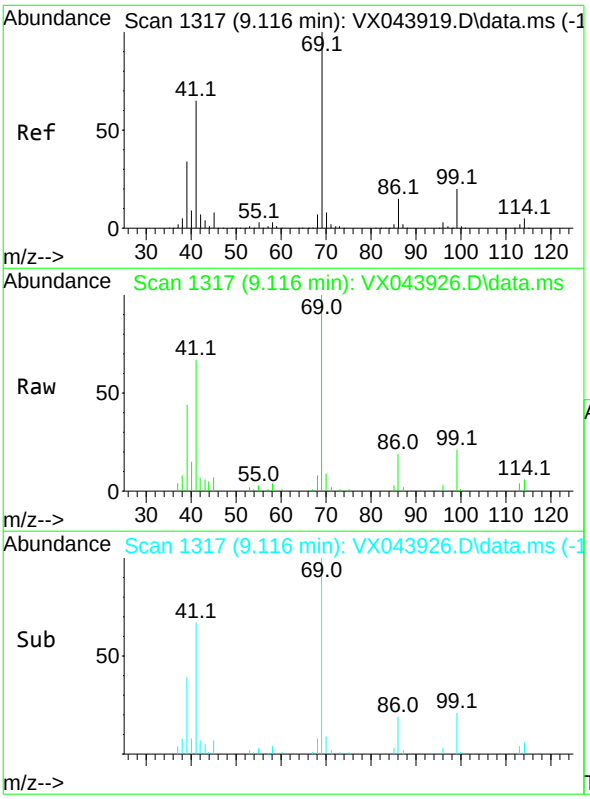
Ion	Ratio	Lower	Upper
97	100		
83	79.8	66.5	99.7
85	55.6	43.4	65.2
99	57.9	51.2	76.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

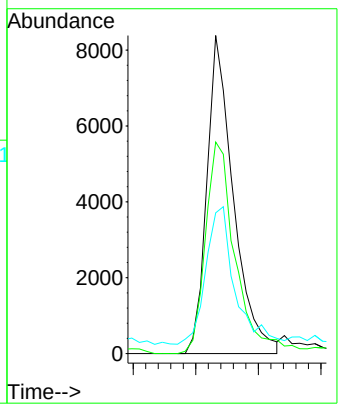
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

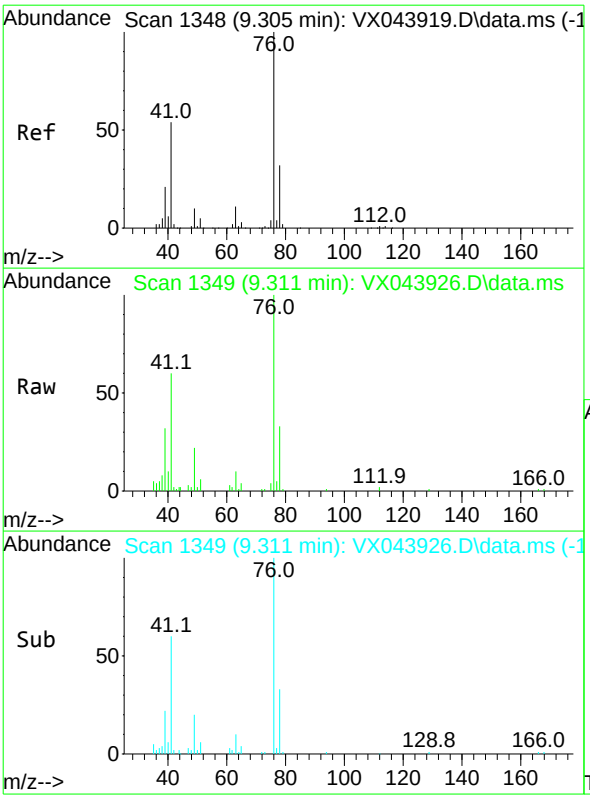


#56
Ethyl methacrylate
Concen: 4.205 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 69 Resp: 12381

Ion	Ratio	Lower	Upper
69	100		
41	75.0	51.7	77.5
39	46.7	26.8	40.2#

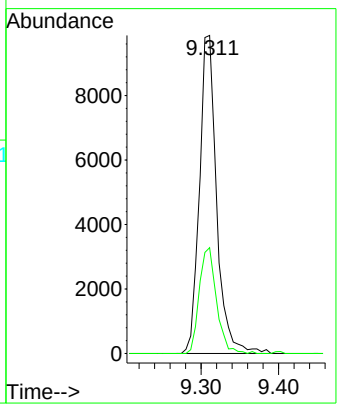




#57
1,3-Dichloropropane
Concen: 4.733 ug/l
RT: 9.311 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 76 Resp: 15211

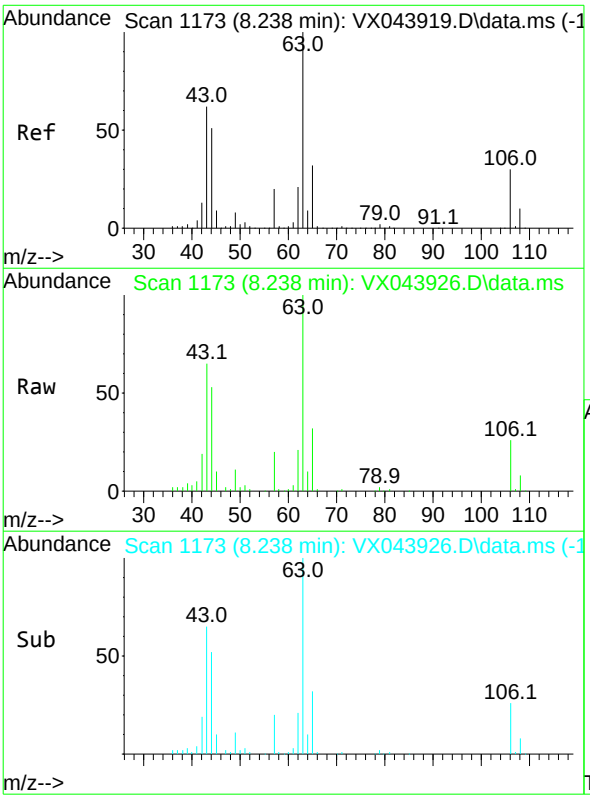
Ion	Ratio	Lower	Upper
76	100		
78	33.4	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

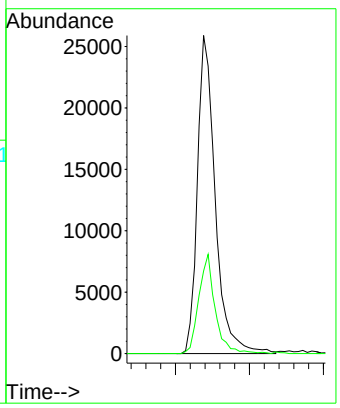
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

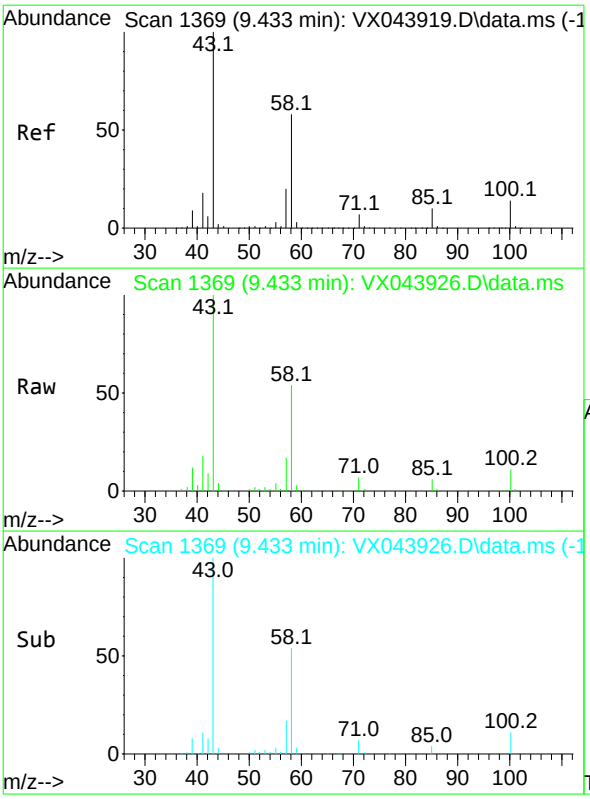


#58
2-Chloroethyl Vinyl ether
Concen: 29.069 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 63 Resp: 43351

Ion	Ratio	Lower	Upper
63	100		
106	28.6	23.8	35.6





#59
2-Hexanone
Concen: 23.504 ug/l
RT: 9.433 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

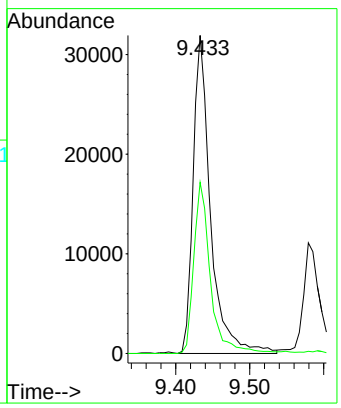
Tgt Ion: 43 Resp: 52072

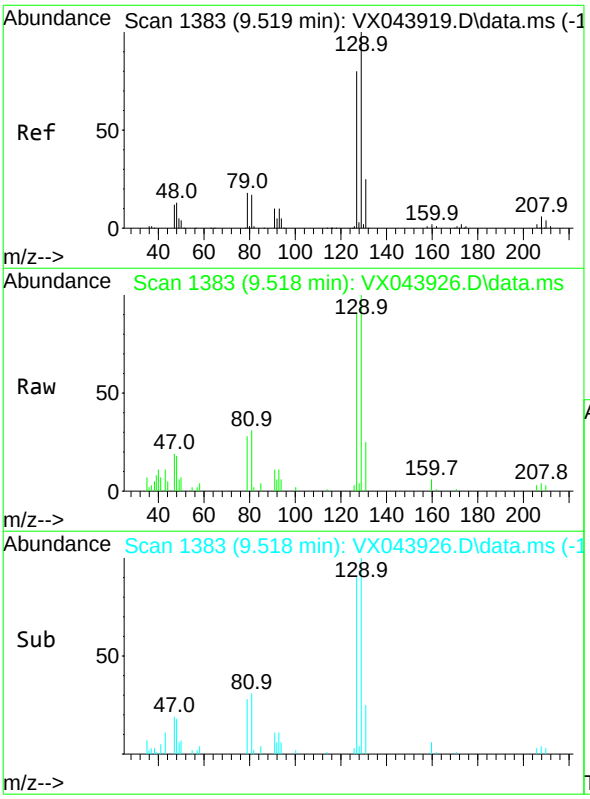
Ion	Ratio	Lower	Upper
43	100		
58	51.4	28.3	84.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

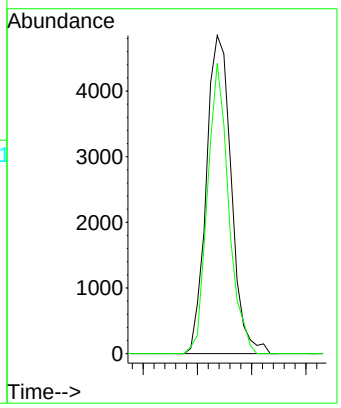


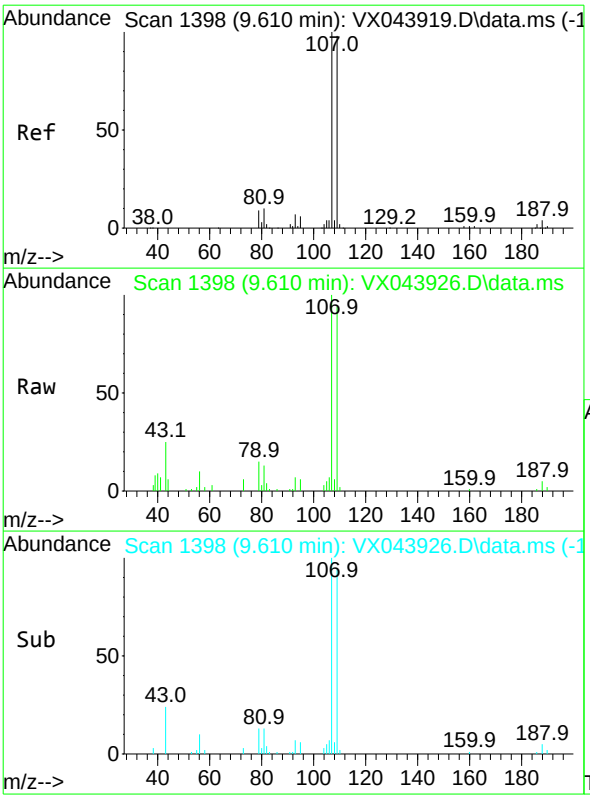


#60
Dibromochloromethane
Concen: 4.099 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.001 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:129 Resp: 7738

Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.6	115.8

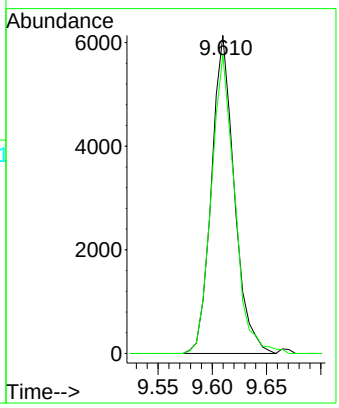




#61
1,2-Dibromoethane
Concen: 4.623 ug/l
RT: 9.610 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:107 Resp: 8985

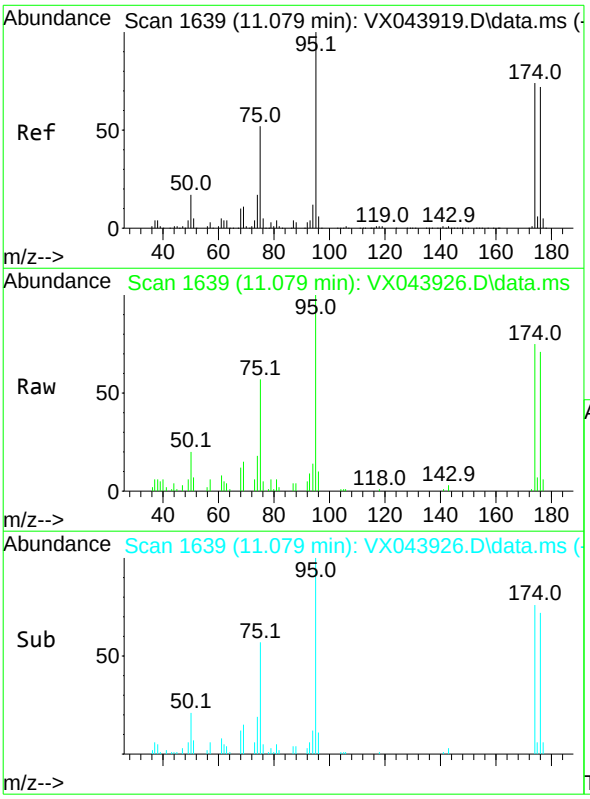
Ion	Ratio	Lower	Upper
107	100		
109	96.2	76.2	114.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

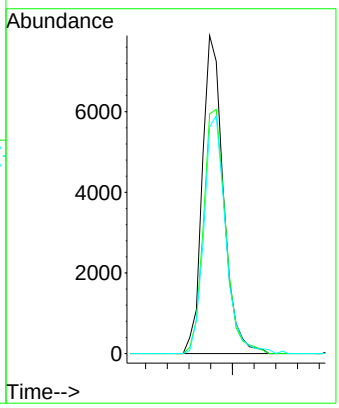
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

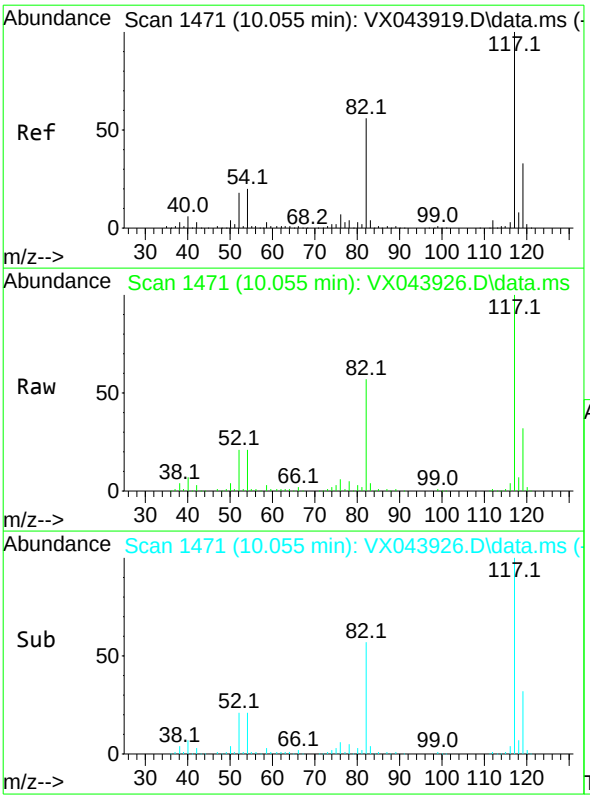


#62
4-Bromofluorobenzene
Concen: 4.780 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 95 Resp: 10618

Ion	Ratio	Lower	Upper
95	100		
174	80.9	0.0	152.2
176	77.6	0.0	145.8

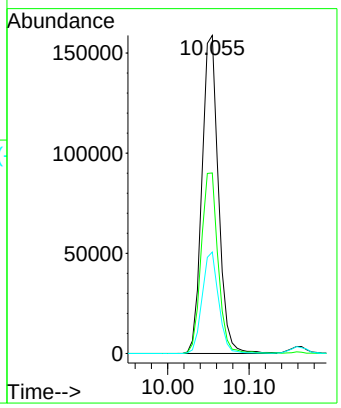




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:117 Resp: 223514

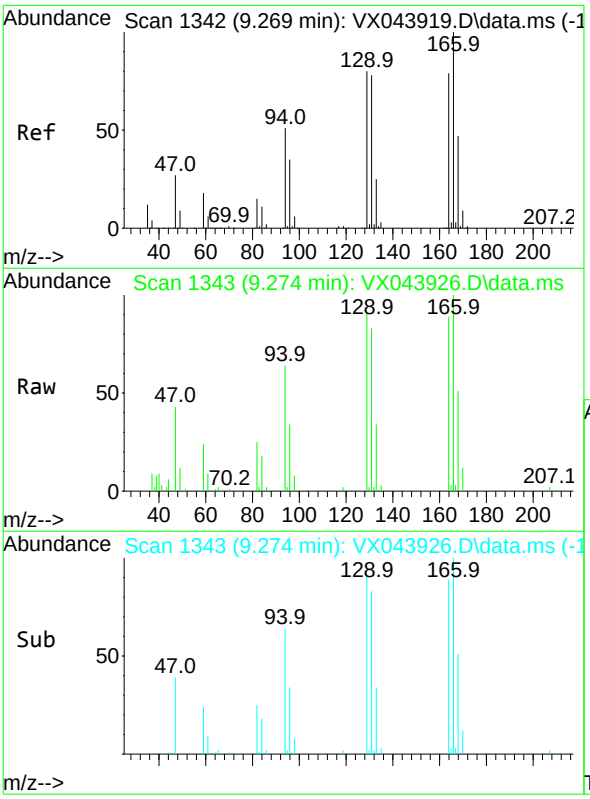
Ion	Ratio	Lower	Upper
117	100		
82	56.8	44.6	67.0
119	31.9	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

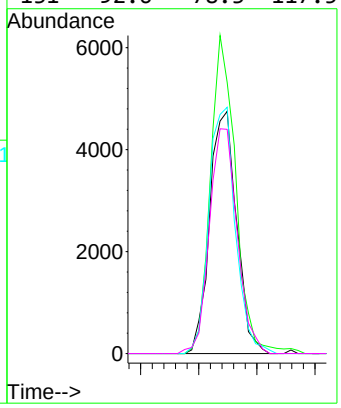
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

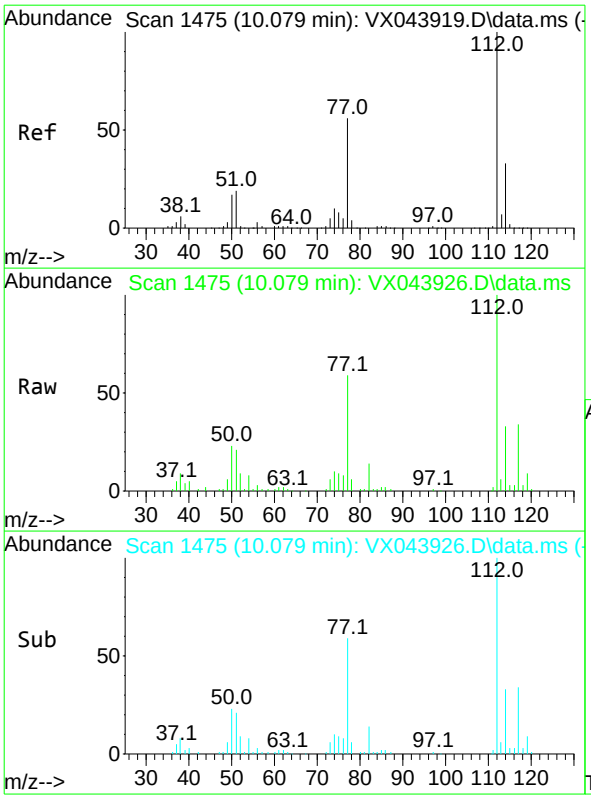


#64
Tetrachloroethene
Concen: 4.829 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. 0.005 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:164 Resp: 7642

Ion	Ratio	Lower	Upper
164	100		
166	111.9	100.9	151.3
129	101.7	80.3	120.5
131	92.6	78.3	117.5





#65
Chlorobenzene
Concen: 4.794 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

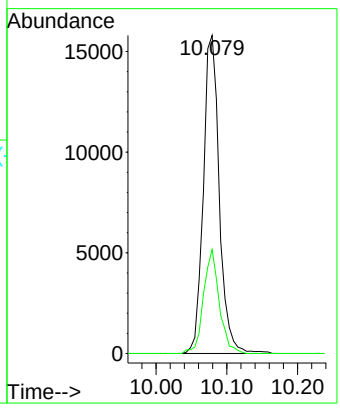
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

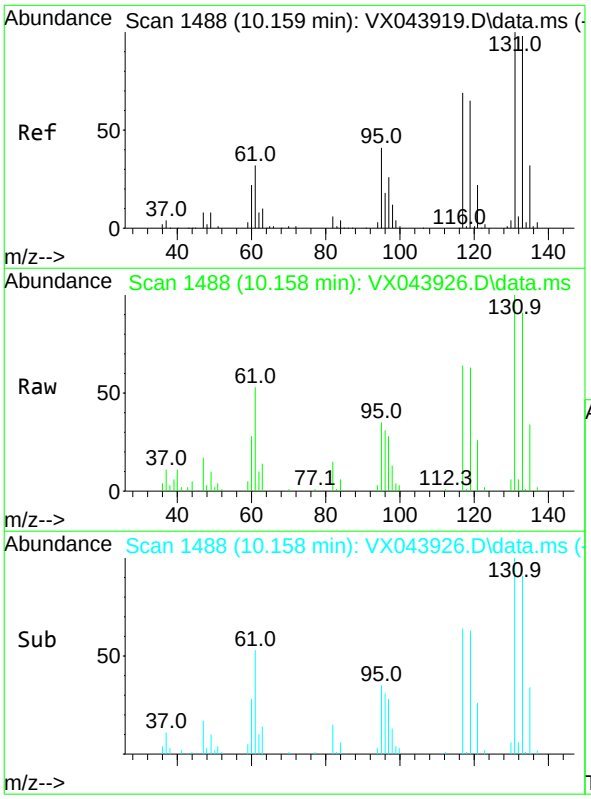
Tgt Ion:112 Resp: 24792

Ion	Ratio	Lower	Upper
112	100		
114	32.7	26.1	39.1

Manual Integrations
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Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

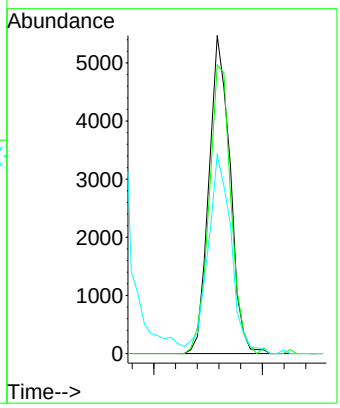


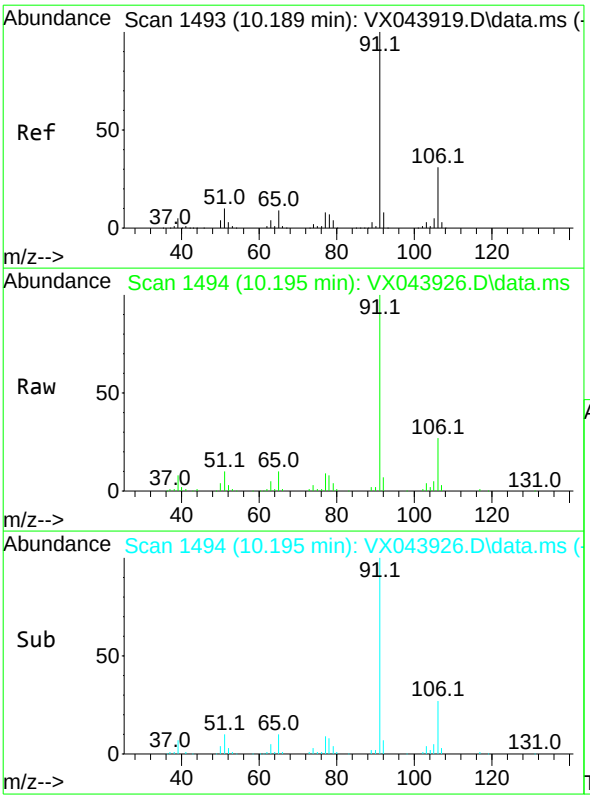


#66
1,1,1,2-Tetrachloroethane
Concen: 4.479 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.001 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:131 Resp: 7421

Ion	Ratio	Lower	Upper
131	100		
133	94.1	48.8	146.3
119	68.3	32.9	98.7

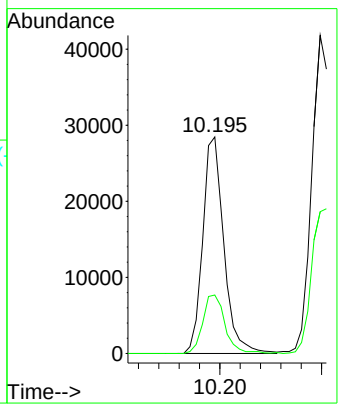




#67
Ethyl Benzene
Concen: 4.658 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 91 Resp: 40927

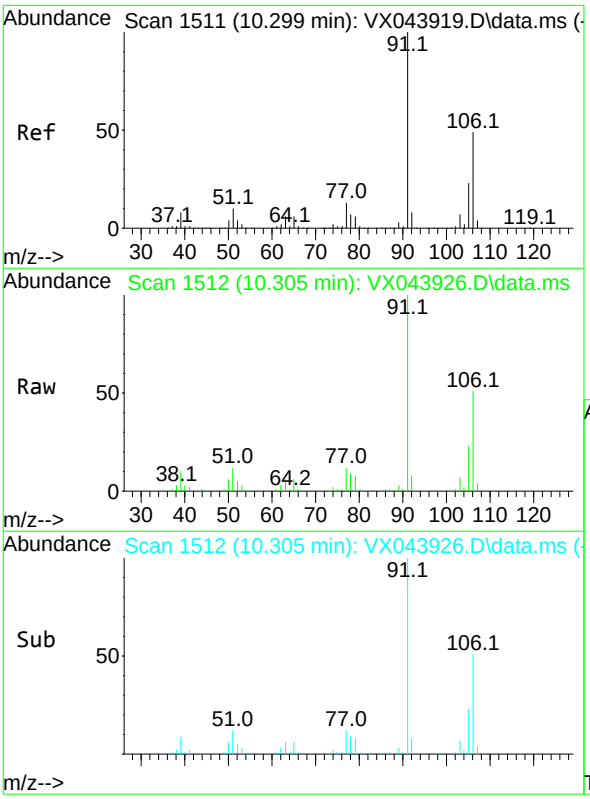
Ion	Ratio	Lower	Upper
91	100		
106	27.0	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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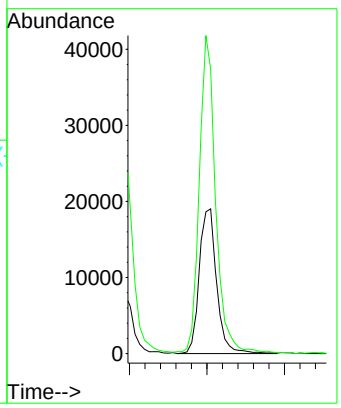
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

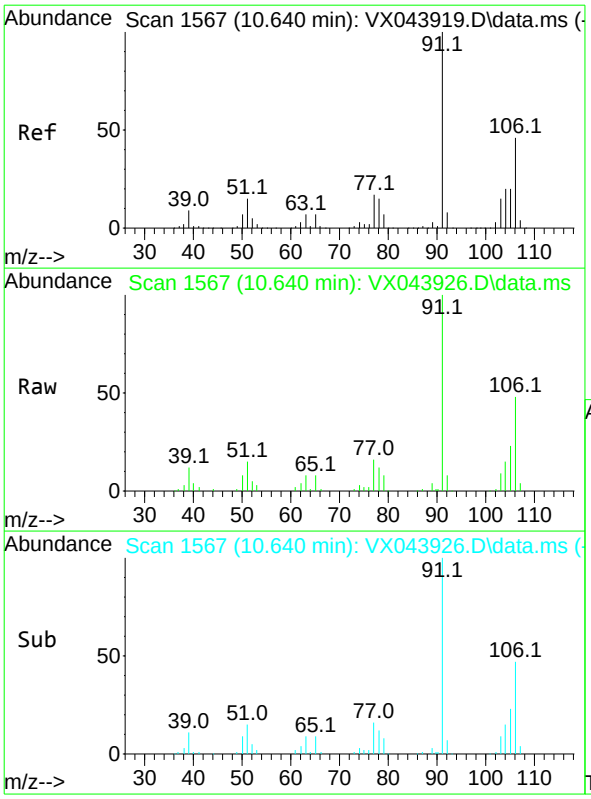


#68
m/p-Xylenes
Concen: 9.137 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:106 Resp: 29635

Ion	Ratio	Lower	Upper
106	100		
91	208.0	163.3	244.9

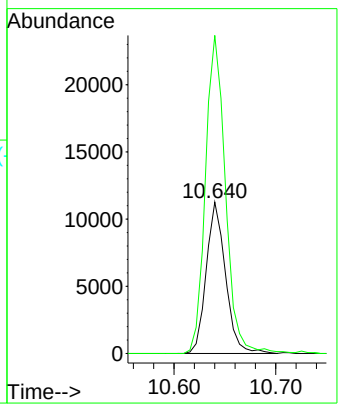




#69
o-Xylene
Concen: 4.616 ug/l
RT: 10.640 min Scan# 15
Delta R.T. 0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:106 Resp: 14856

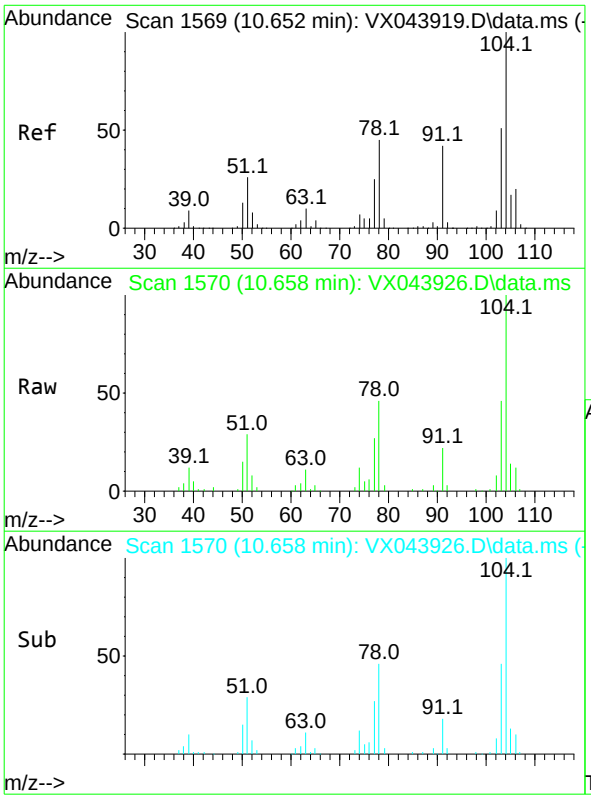
Ion	Ratio	Lower	Upper
106	100		
91	217.8	109.6	328.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

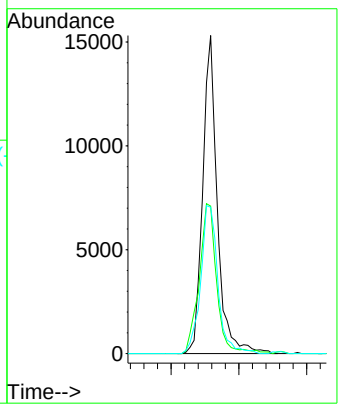
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

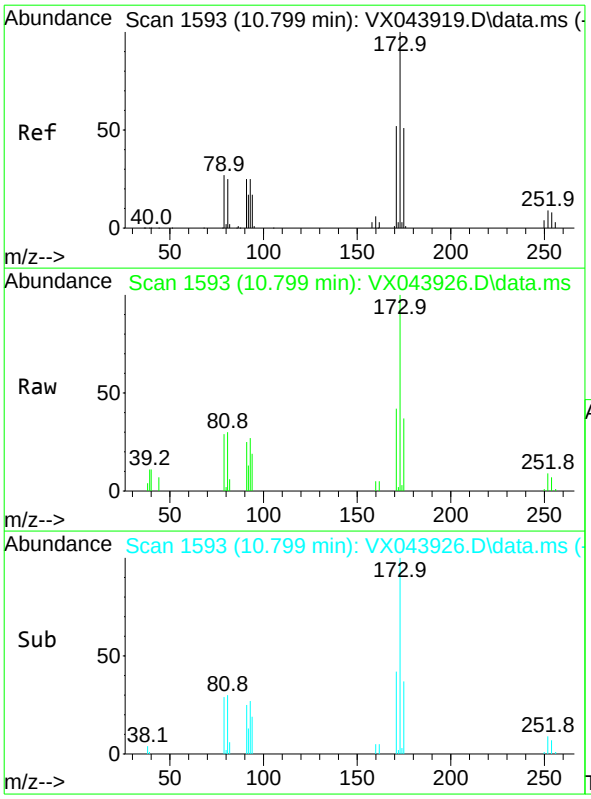


#70
Styrene
Concen: 4.320 ug/l
RT: 10.658 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:104 Resp: 22907

Ion	Ratio	Lower	Upper
104	100		
78	56.4	40.3	60.5
103	54.8	43.9	65.9

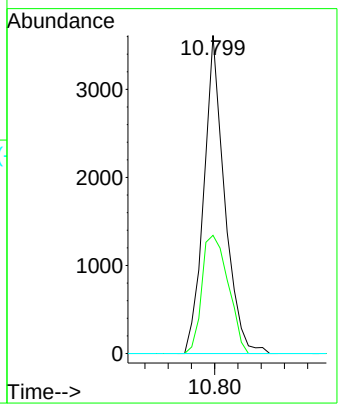




#71
Bromoform
Concen: 3.941 ug/l
RT: 10.799 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:173 Resp: 4476

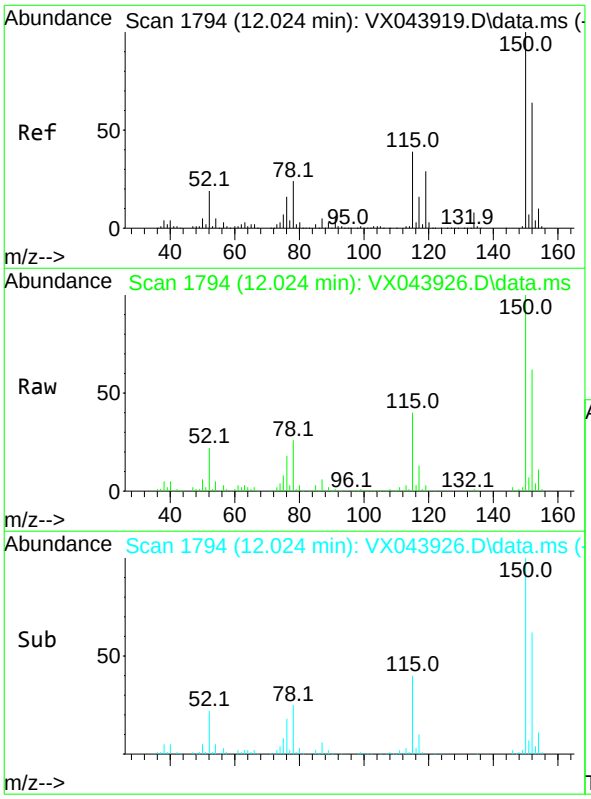
Ion	Ratio	Lower	Upper
173	100		
175	47.1	24.6	73.8
254	0.0	0.1	0.1#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

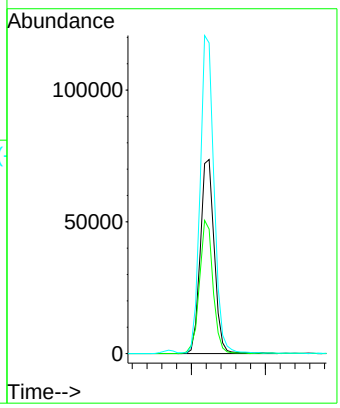
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

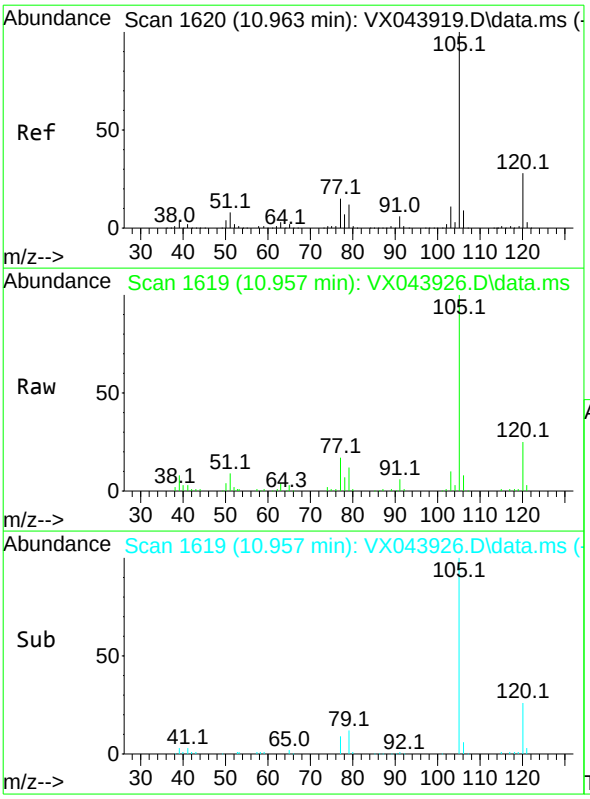


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:152 Resp: 96662

Ion	Ratio	Lower	Upper
152	100		
115	66.4	42.1	126.3
150	162.1	0.0	348.2

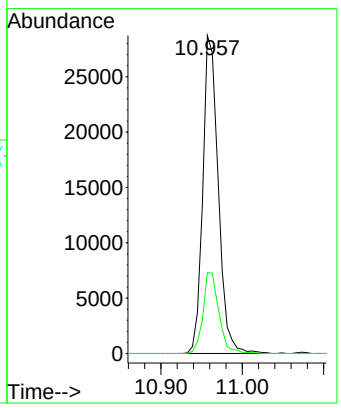




#73
Isopropylbenzene
Concen: 4.885 ug/l
RT: 10.957 min Scan# 16
Delta R.T. -0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:105 Resp: 37958

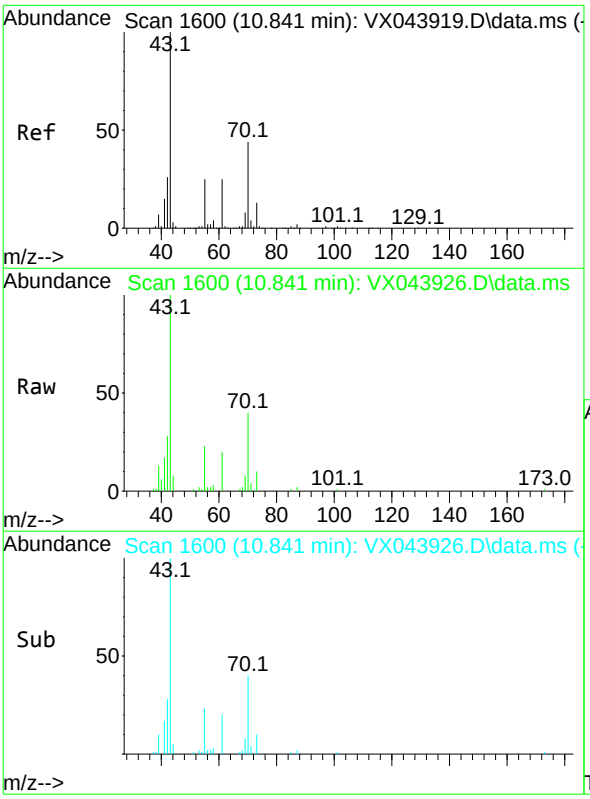
Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.3	39.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

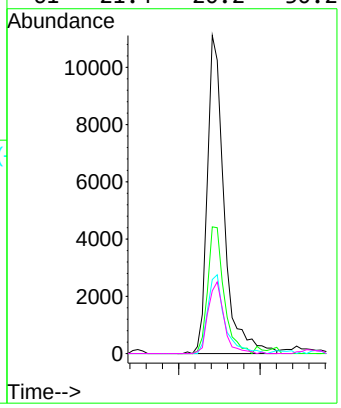
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

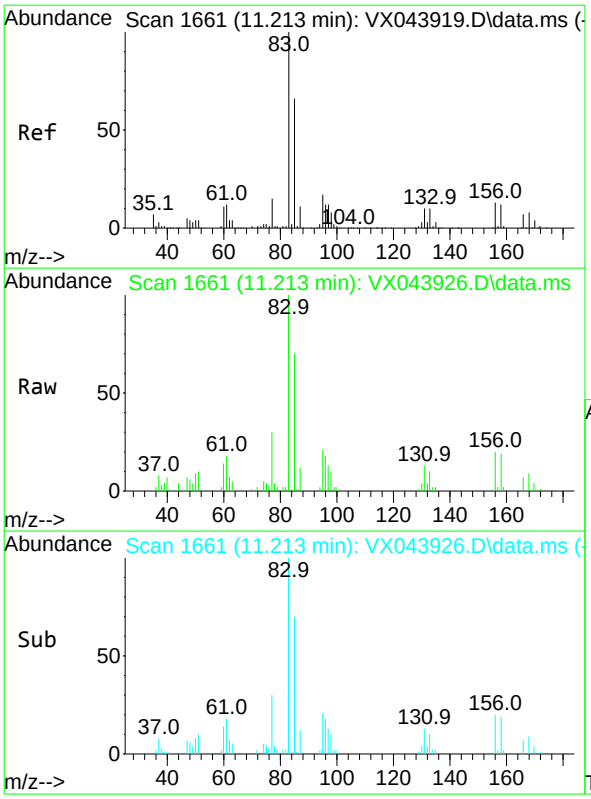


#74
N-amyl acetate
Concen: 4.381 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 43 Resp: 15928

Ion	Ratio	Lower	Upper
43	100		
70	38.5	36.5	54.7
55	24.8	19.6	29.4
61	21.4	20.2	30.2

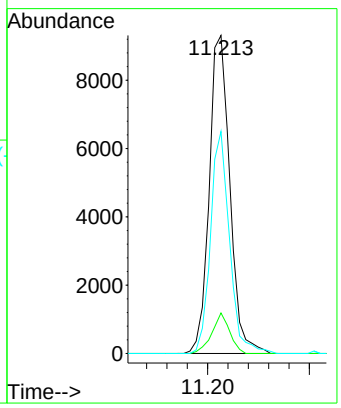




#75
1,1,2,2-Tetrachloroethane
Concen: 4.910 ug/l
RT: 11.213 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 83 Resp: 13107

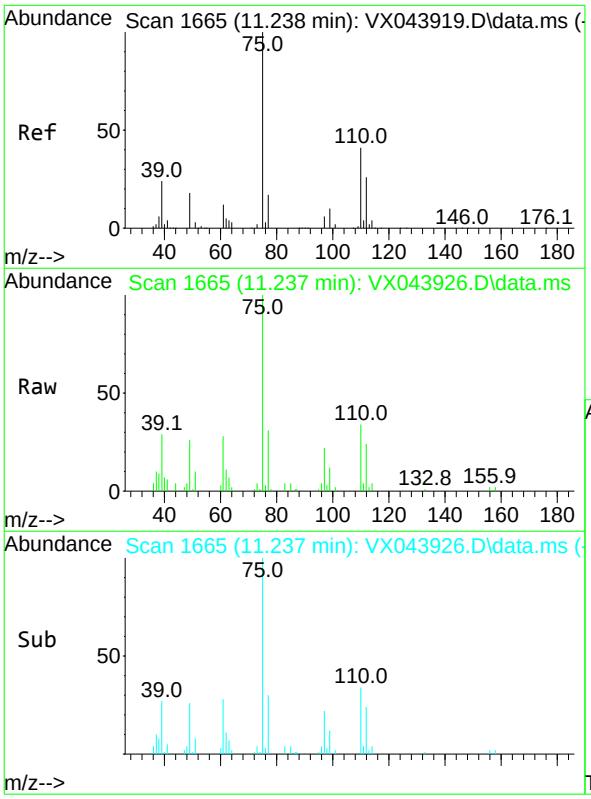
Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.1	15.3
85	64.3	32.3	96.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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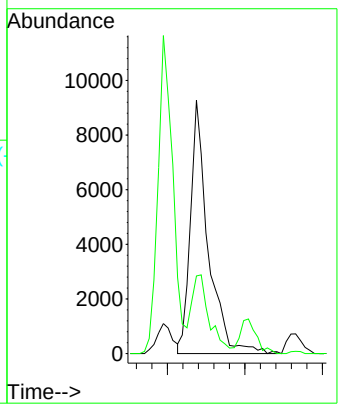
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

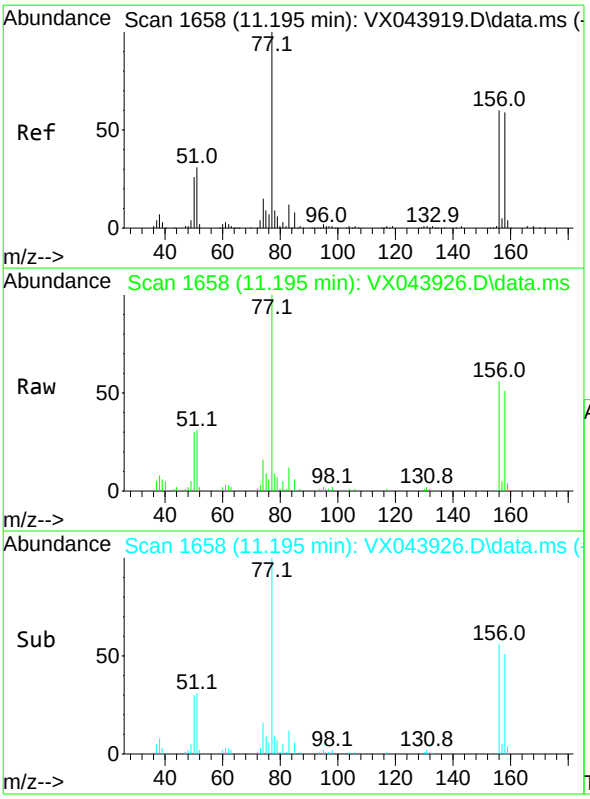


#76
1,2,3-Trichloropropane
Concen: 6.565 ug/l
RT: 11.237 min Scan# 1665
Delta R.T. -0.001 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 75 Resp: 14721

Ion	Ratio	Lower	Upper
75	100		
77	30.5	22.4	67.0





#77
Bromobenzene
Concen: 4.859 ug/l
RT: 11.195 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

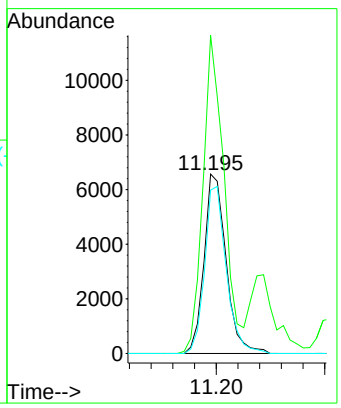
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

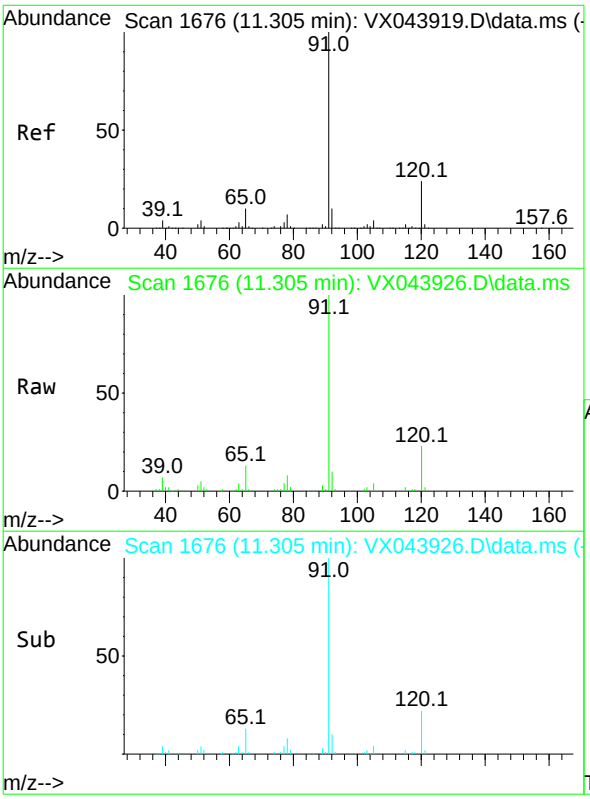
Tgt Ion:156 Resp: 9259

Ion	Ratio	Lower	Upper
156	100		
77	169.5	81.2	243.6
158	91.6	48.6	145.8

Manual Integrations
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Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

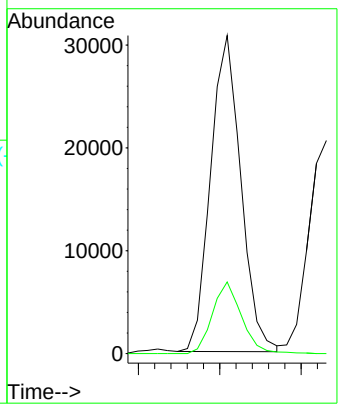


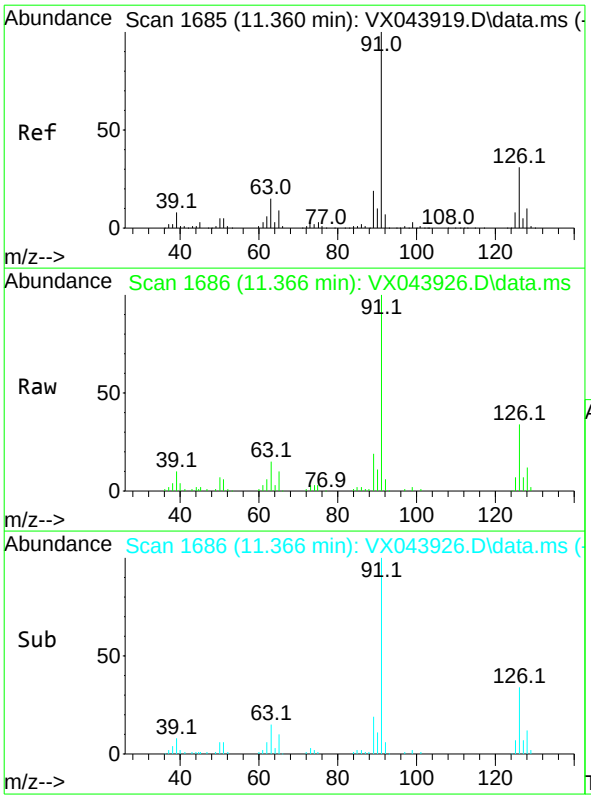


#78
n-propylbenzene
Concen: 4.555 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 91 Resp: 39774

Ion	Ratio	Lower	Upper
91	100		
120	21.7	11.5	34.5

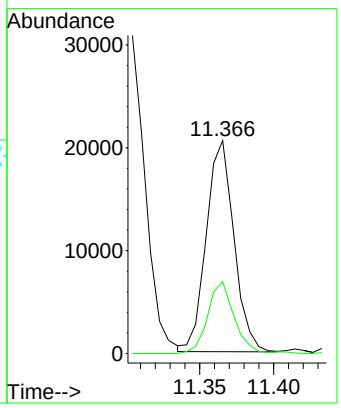




#79
2-Chlorotoluene
Concen: 4.746 ug/l
RT: 11.366 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 91 Resp: 26740

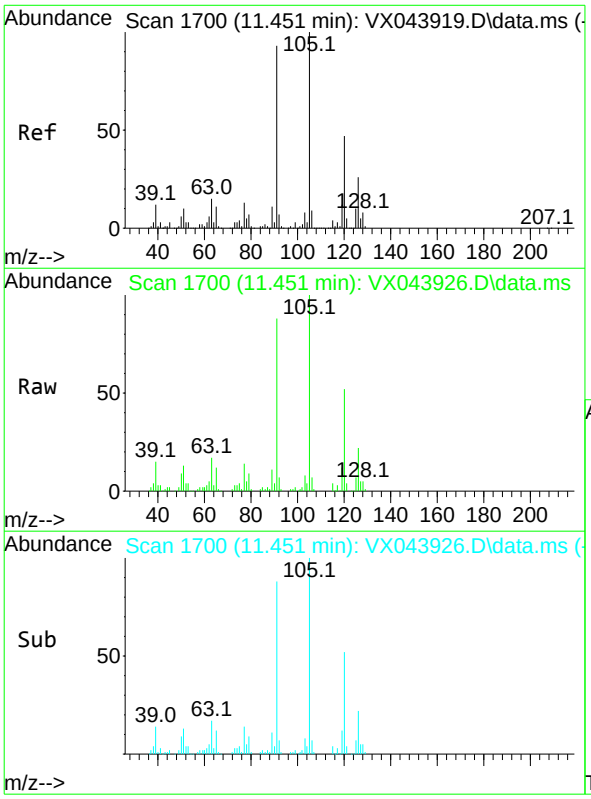
Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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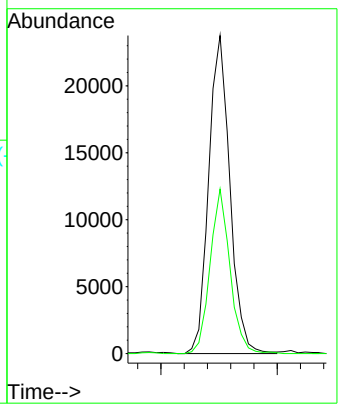
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

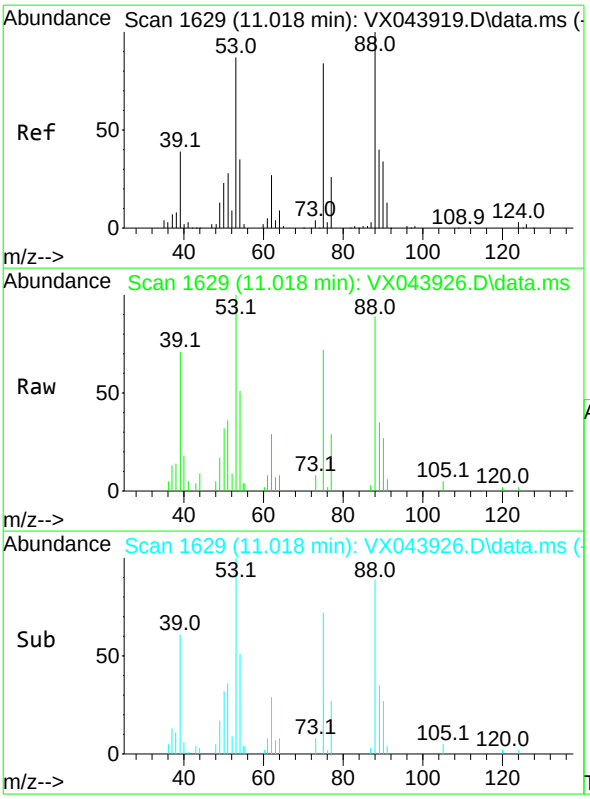


#80
1,3,5-Trimethylbenzene
Concen: 4.706 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:105 Resp: 30114

Ion	Ratio	Lower	Upper
105	100		
120	48.6	23.8	71.5





#81
trans-1,4-Dichloro-2-butene
Concen: 3.707 ug/l
RT: 11.018 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

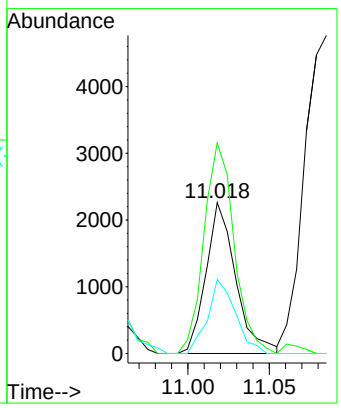
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

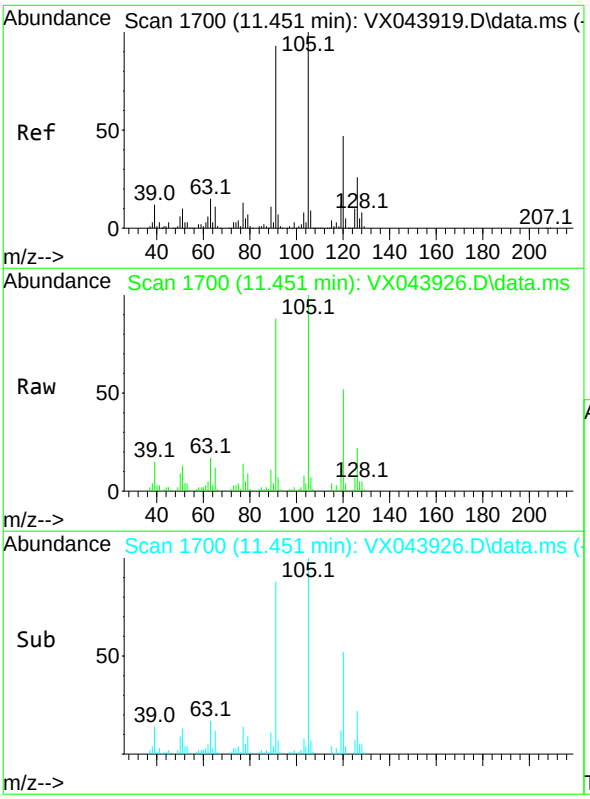
Tgt Ion: 75 Resp: 2880

Ion	Ratio	Lower	Upper
75	100		
53	141.1	81.7	122.5#
89	45.9	38.6	57.8

Manual Integrations
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Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

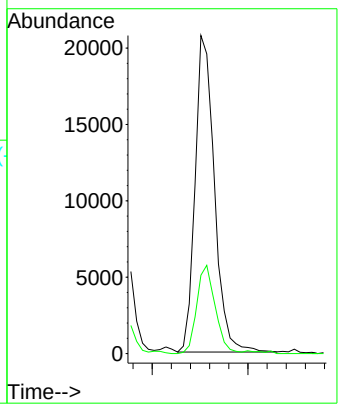


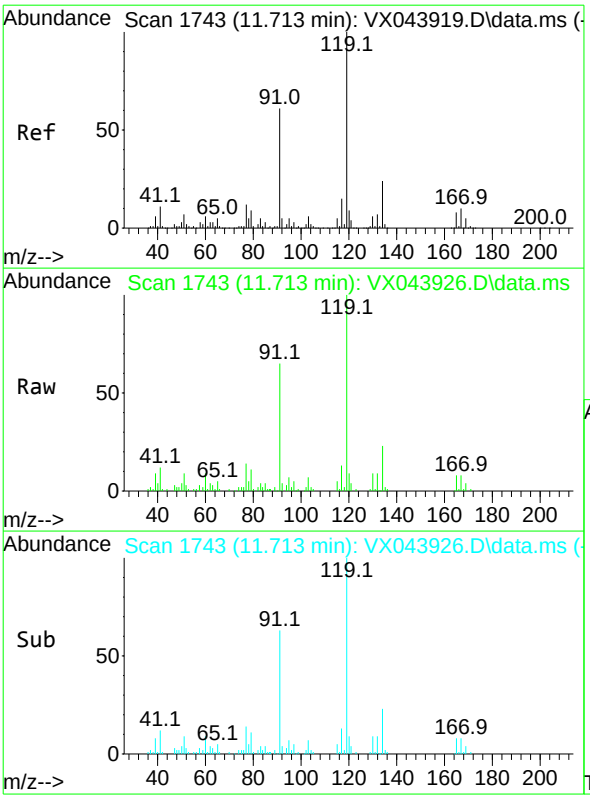


#82
4-Chlorotoluene
Concen: 4.621 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 91 Resp: 29049

Ion	Ratio	Lower	Upper
91	100		
126	26.7	14.4	43.2





#83
tert-Butylbenzene
Concen: 4.687 ug/l
RT: 11.713 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

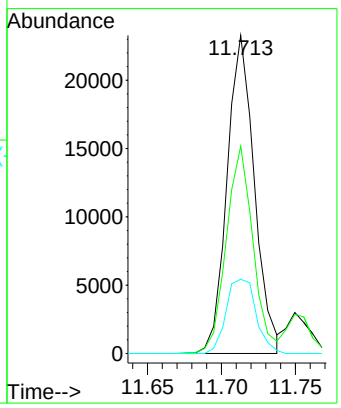
Tgt Ion:119 Resp: 29934

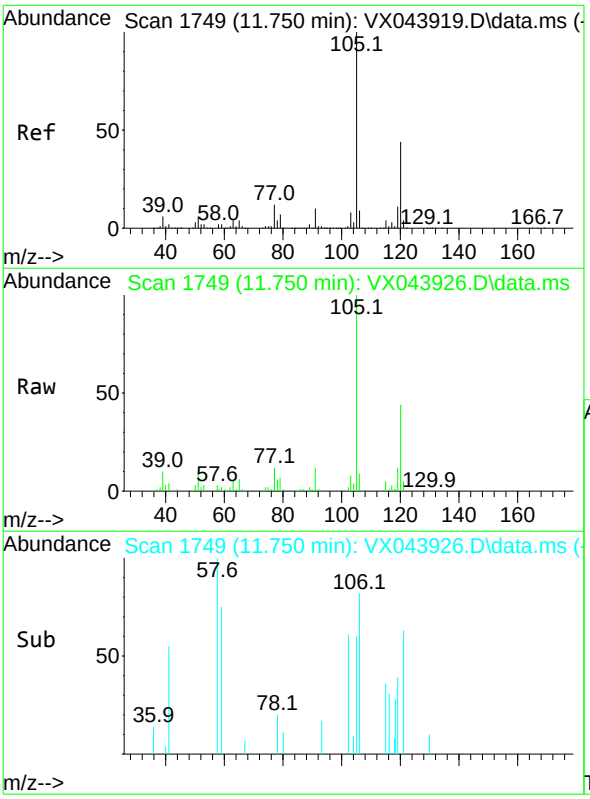
Ion	Ratio	Lower	Upper
119	100		
91	63.8	29.5	88.6
134	25.6	11.8	35.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

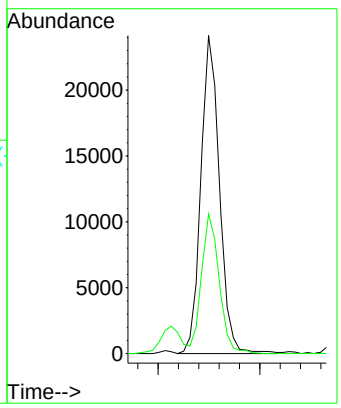


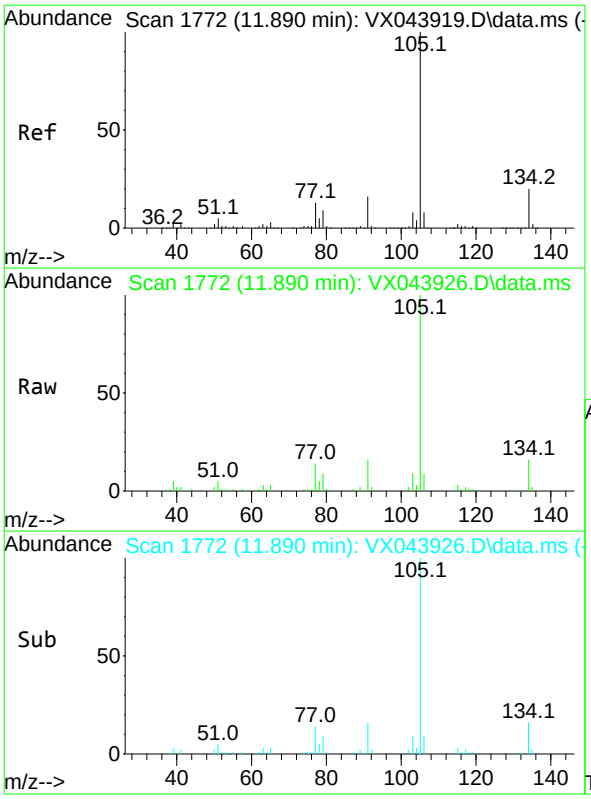


#84
1,2,4-Trimethylbenzene
Concen: 4.697 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:105 Resp: 30674

Ion	Ratio	Lower	Upper
105	100		
120	41.6	21.7	65.1





#85
sec-Butylbenzene
Concen: 4.836 ug/l
RT: 11.890 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

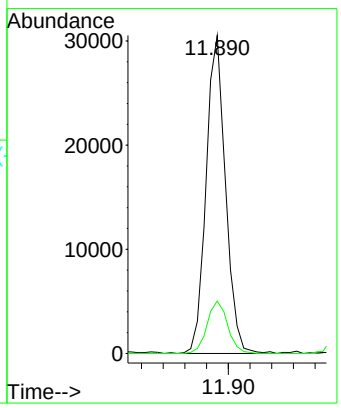
Tgt Ion:105 Resp: 37899

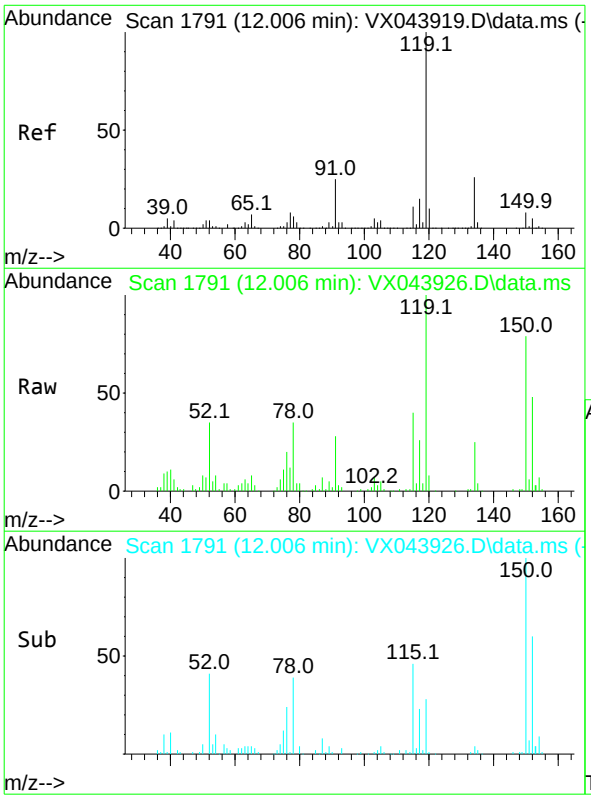
Ion	Ratio	Lower	Upper
105	100		
134	17.5	10.0	29.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

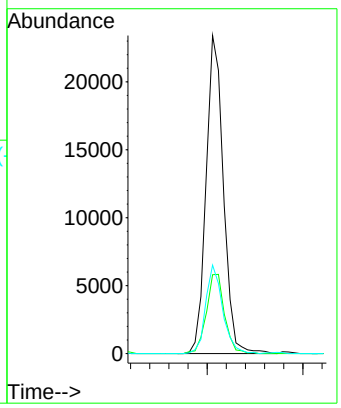


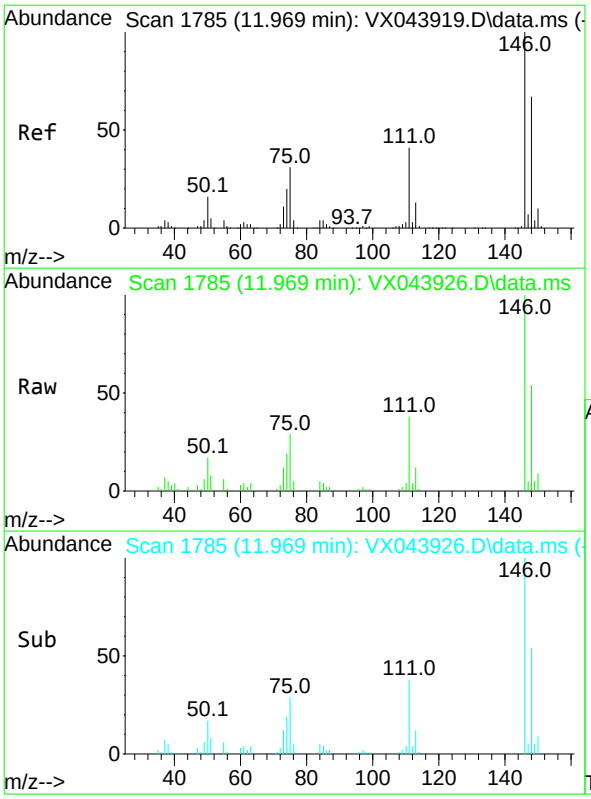


#86
p-Isopropyltoluene
Concen: 4.573 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:119 Resp: 29412

Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.0	38.9
91	27.3	12.3	36.8

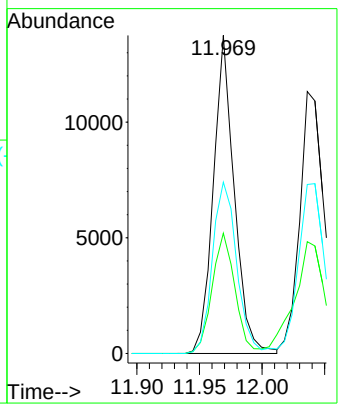




#87
1,3-Dichlorobenzene
Concen: 4.621 ug/l
RT: 11.969 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:146 Resp: 16008

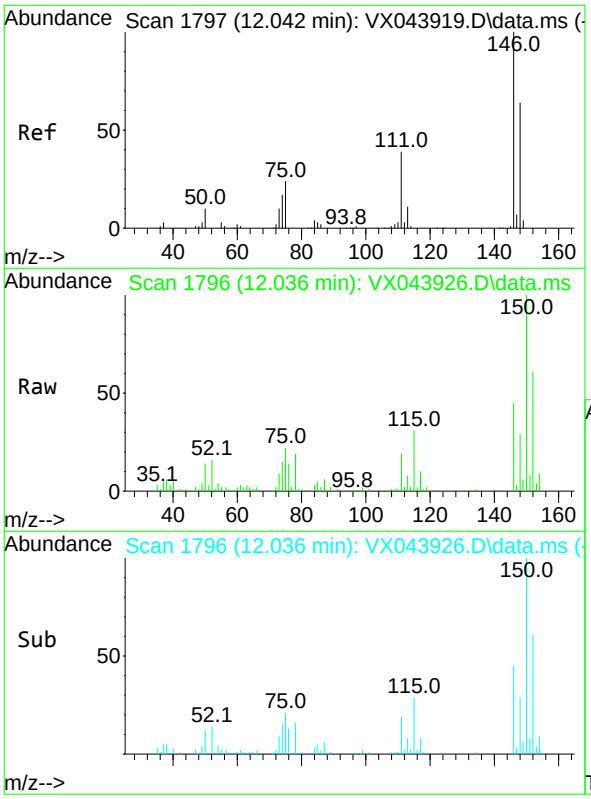
Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.8	62.2
148	62.9	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

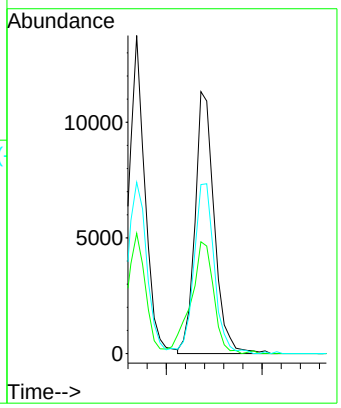
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

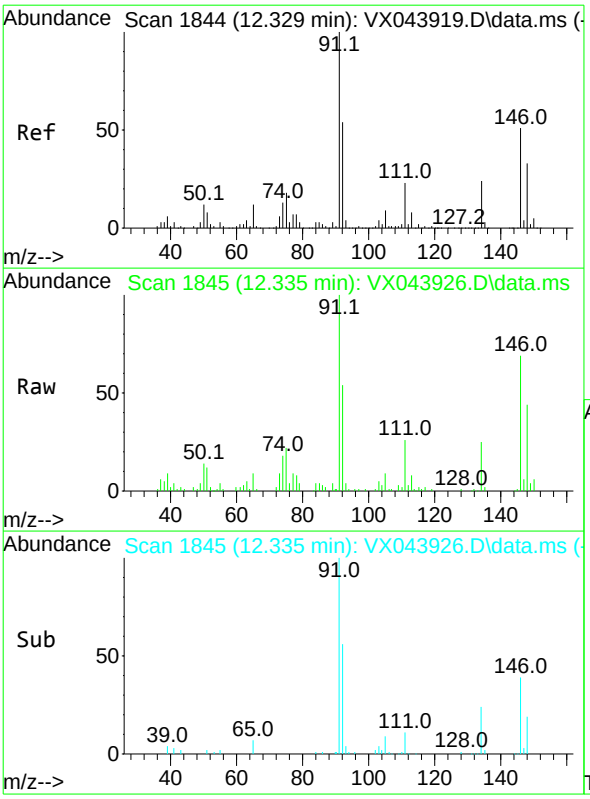


#88
1,4-Dichlorobenzene
Concen: 4.419 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:146 Resp: 15837

Ion	Ratio	Lower	Upper
146	100		
111	50.2	20.1	60.2
148	67.9	32.2	96.6

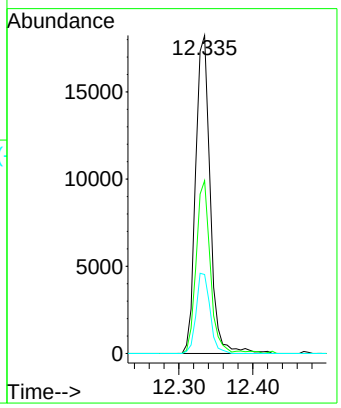




#89
n-Butylbenzene
Concen: 4.370 ug/l
RT: 12.335 min Scan# 18
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 91 Resp: 24938

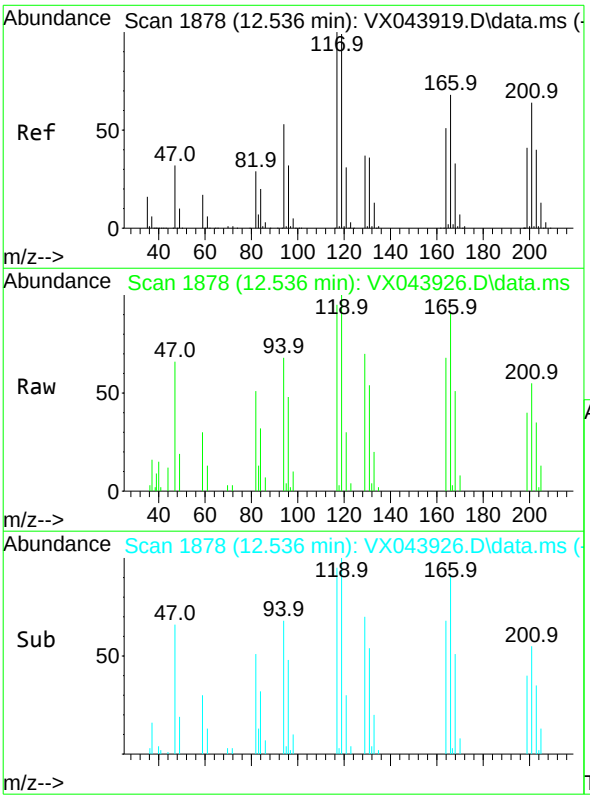
Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.9	80.6
134	23.9	12.9	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

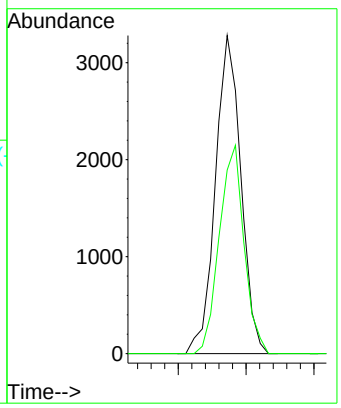
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

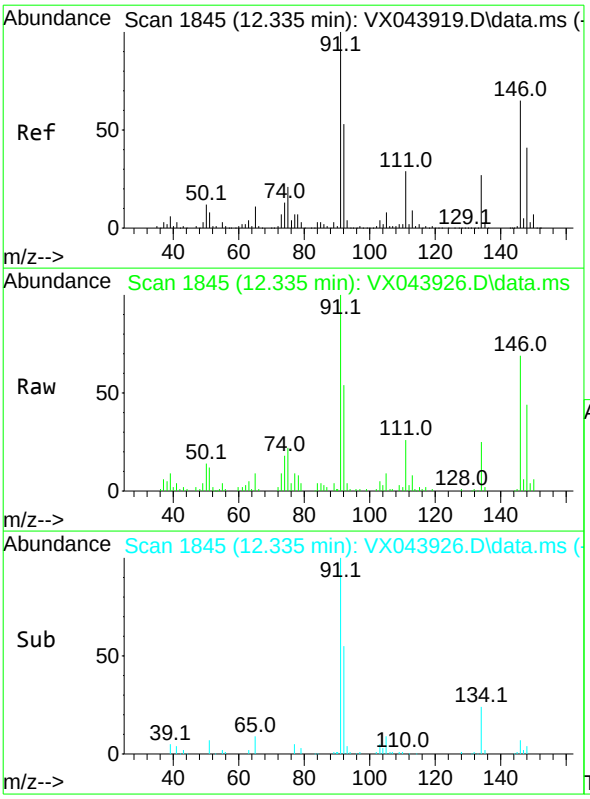


#90
Hexachloroethane
Concen: 4.061 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:117 Resp: 4279

Ion	Ratio	Lower	Upper
117	100		
201	63.6	34.1	102.3





#91
1,2-Dichlorobenzene
Concen: 4.815 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

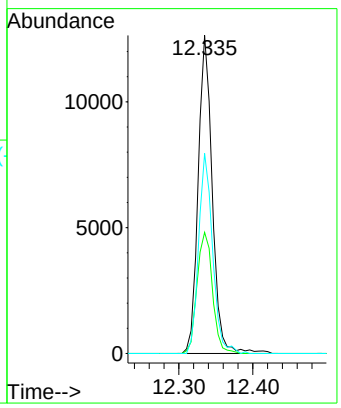
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

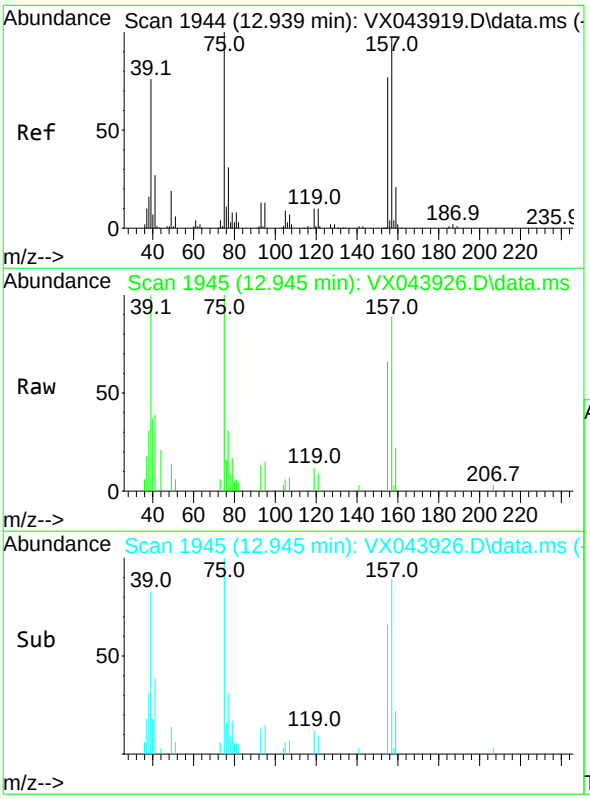
Tgt Ion:146 Resp: 16747

Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.7	65.1
148	62.4	31.6	94.7

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

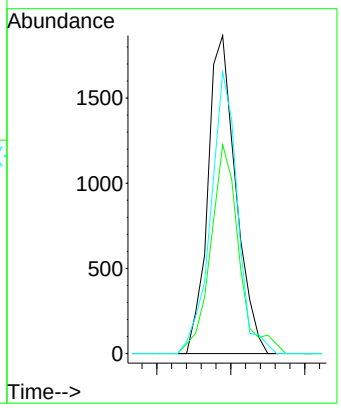


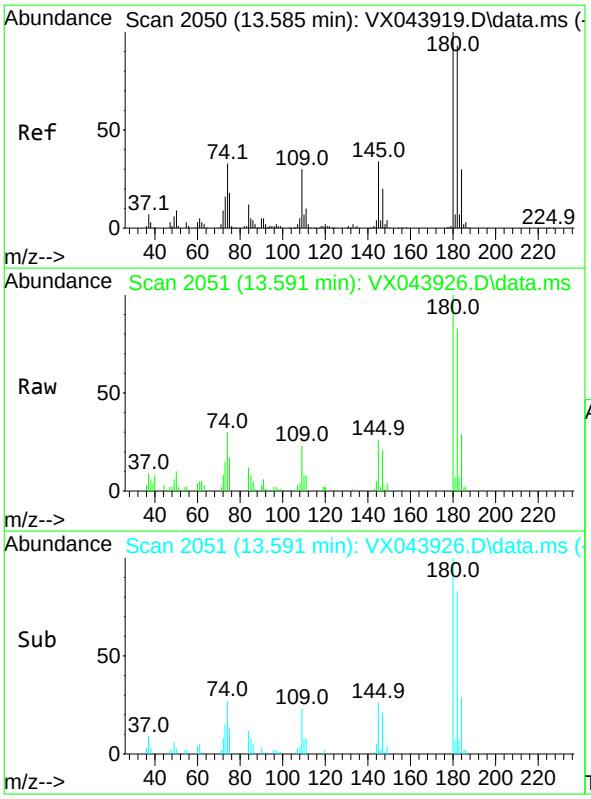


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.500 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.005 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 75 Resp: 2454

Ion	Ratio	Lower	Upper
75	100		
155	66.2	40.8	122.5
157	84.5	54.3	162.9

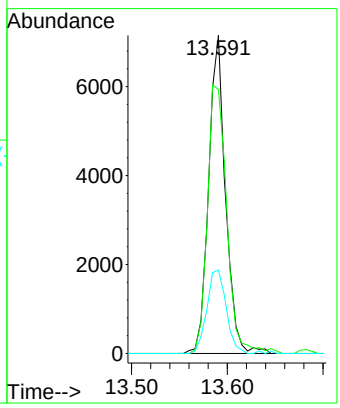




#93
1,2,4-Trichlorobenzene
Concen: 4.179 ug/l
RT: 13.591 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:180 Resp: 8746

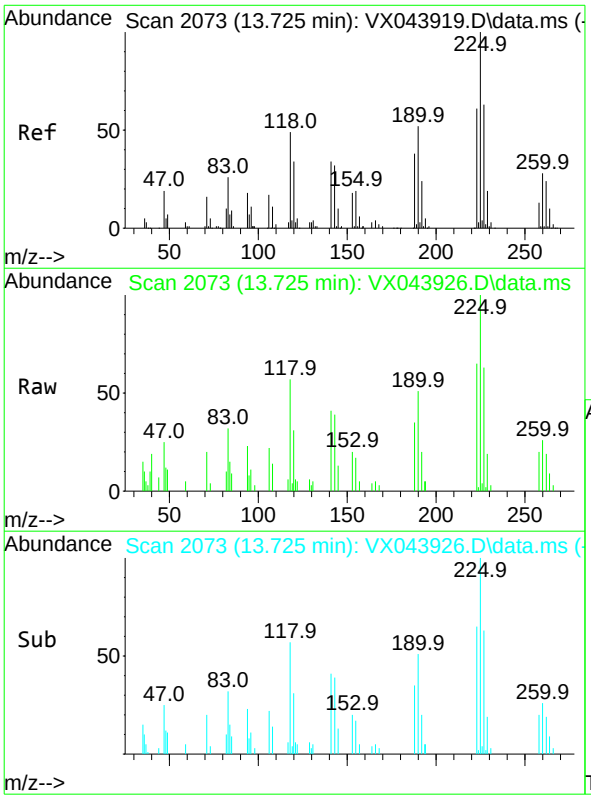
Ion	Ratio	Lower	Upper
180	100		
182	96.9	46.8	140.4
145	30.0	16.4	49.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

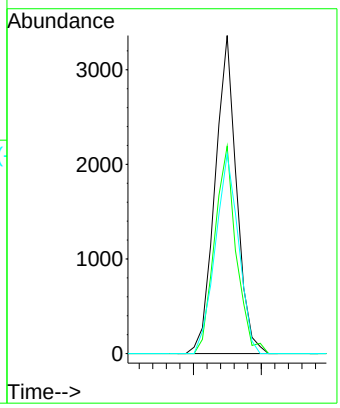
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

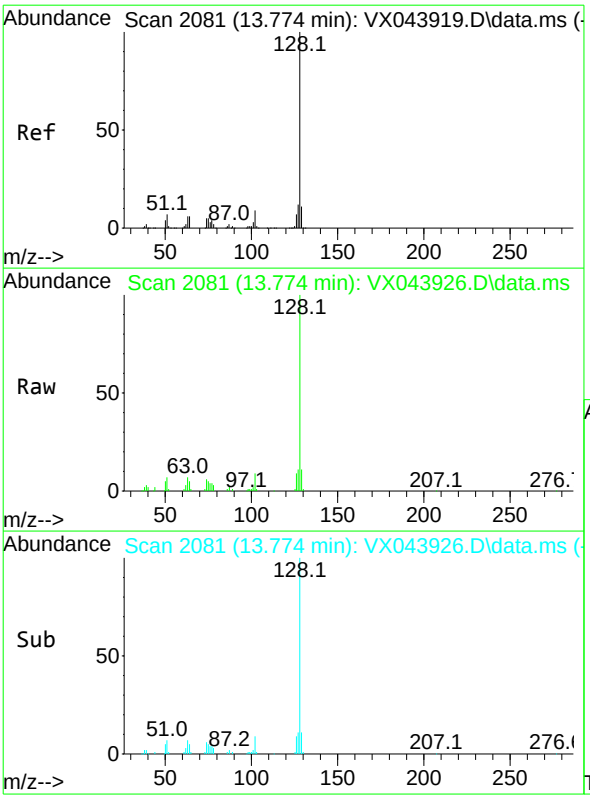


#94
Hexachlorobutadiene
Concen: 4.700 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:225 Resp: 3713

Ion	Ratio	Lower	Upper
225	100		
223	65.4	31.1	93.3
227	67.5	29.8	89.5

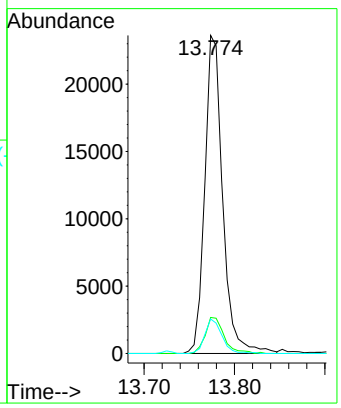




#95
Naphthalene
Concen: 4.205 ug/l
RT: 13.774 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:128 Resp: 32485

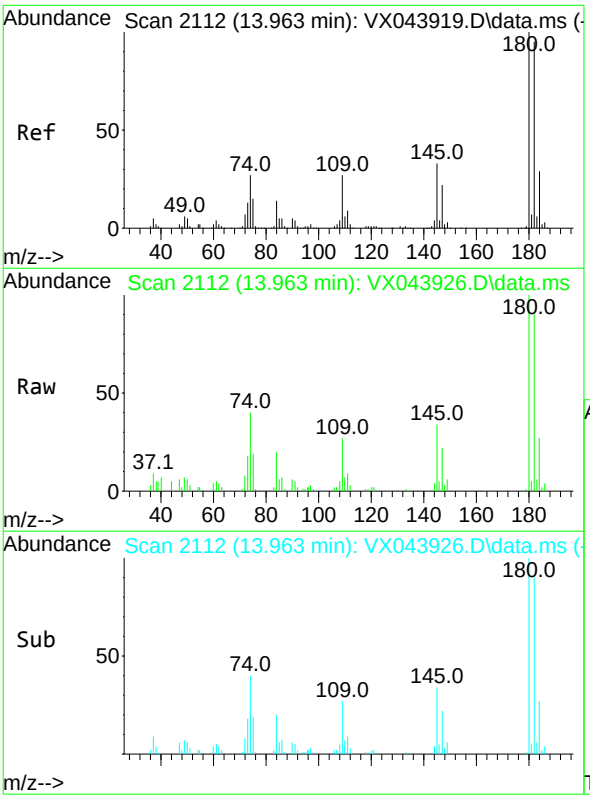
Ion	Ratio	Lower	Upper
128	100		
127	12.0	10.1	15.1
129	10.4	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

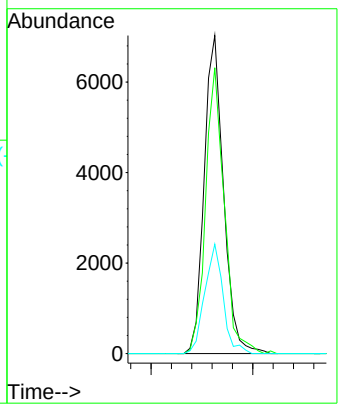
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#96
1,2,3-Trichlorobenzene
Concen: 4.485 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:180 Resp: 9280

Ion	Ratio	Lower	Upper
180	100		
182	86.7	47.6	142.8
145	32.7	17.4	52.2



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043927.D
Acq On : 21 Nov 2024 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 21 11:27:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 11:25:29 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	137617	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	247844	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	217871	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98477	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	48239	22.821	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	45.640%#		
35) Dibromofluoromethane	5.385	113	35015	21.040	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	42.080%#		
50) Toluene-d8	8.647	98	122646	22.060	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	44.120%#		
62) 4-Bromofluorobenzene	11.079	95	41087	22.365	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	44.720%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	35268	25.327	ug/l	98
3) Chloromethane	1.295	50	39622	22.767	ug/l	93
4) Vinyl Chloride	1.374	62	40173	22.975	ug/l	95
5) Bromomethane	1.593	94	24112	30.357	ug/l	98
6) Chloroethane	1.666	64	22213	26.595	ug/l	97
7) Trichlorofluoromethane	1.868	101	73464	29.469	ug/l	99
8) Diethyl Ether	2.136	74	25875	27.531	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	33284	22.561	ug/l	96
10) Methyl Iodide	2.441	142	43047	20.733	ug/l	94
11) Tert butyl alcohol	3.002	59	36554	108.748	ug/l	100
12) 1,1-Dichloroethene	2.307	96	32180	22.474	ug/l	96
13) Acrolein	2.240	56	35249	93.505	ug/l	99
14) Allyl chloride	2.660	41	53053	22.853	ug/l #	88
15) Acrylonitrile	3.069	53	94417	109.118	ug/l	99
16) Acetone	2.386	43	110373	130.004	ug/l	89
17) Carbon Disulfide	2.502	76	59349	18.983	ug/l	98
18) Methyl Acetate	2.709	43	50136	21.564	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	121776	23.009	ug/l	100
20) Methylene Chloride	2.788	84	37633	21.177	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	33545	21.489	ug/l	100
22) Diisopropyl ether	3.764	45	119475	23.557	ug/l	91
23) Vinyl Acetate	3.721	43	504408	122.699	ug/l	98
24) 1,1-Dichloroethane	3.599	63	67233	22.540	ug/l	99
25) 2-Butanone	4.568	43	148152	124.741	ug/l	97
26) 2,2-Dichloropropane	4.471	77	58444	23.843	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	41866	21.551	ug/l	94
28) Bromochloromethane	4.891	49	26507	21.119	ug/l	90
29) Tetrahydrofuran	5.013	42	87736	114.321	ug/l	98
30) Chloroform	5.087	83	72049	23.172	ug/l	97
31) Cyclohexane	5.458	56	53731	22.225	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	62394	23.474	ug/l	98
36) 1,1-Dichloropropene	5.684	75	44465	21.438	ug/l	99
37) Ethyl Acetate	4.715	43	54426	23.316	ug/l	97
38) Carbon Tetrachloride	5.672	117	48701	22.179	ug/l	99
39) Methylcyclohexane	7.379	83	55958	21.551	ug/l	99
40) Benzene	6.025	78	144401	22.144	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043927.D
Acq On : 21 Nov 2024 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 21 11:27:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 11:25:29 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.922	41	28938	23.789 ug/l		95
42) 1,2-Dichloroethane	6.086	62	57981	24.487 ug/l		98
43) Isopropyl Acetate	6.349	43	88577	24.054 ug/l		94
44) Trichloroethene	7.117	130	36440	20.270 ug/l		95
45) 1,2-Dichloropropane	7.428	63	35791	22.394 ug/l		97
46) Dibromomethane	7.580	93	27799	23.082 ug/l		96
47) Bromodichloromethane	7.818	83	49665	23.471 ug/l	#	94
48) Methyl methacrylate	7.690	41	41962	22.991 ug/l	#	87
49) 1,4-Dioxane	7.665	88	12071	310.503 ug/l	#	62
51) 4-Methyl-2-Pentanone	8.574	43	278479	121.285 ug/l		95
52) Toluene	8.714	92	87569	23.277 ug/l		99
53) t-1,3-Dichloropropene	8.976	75	50294	23.425 ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	56407	23.184 ug/l	#	91
55) 1,1,2-Trichloroethane	9.153	97	37148	25.308 ug/l		96
56) Ethyl methacrylate	9.116	69	56585	24.347 ug/l	#	88
57) 1,3-Dichloropropane	9.305	76	61420	24.976 ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	136842	112.277 ug/l		96
59) 2-Hexanone	9.433	43	213629	131.869 ug/l		93
60) Dibromochloromethane	9.519	129	34133	23.864 ug/l		100
61) 1,2-Dibromoethane	9.610	107	36985	24.156 ug/l		99
64) Tetrachloroethene	9.269	164	29274	20.948 ug/l		98
65) Chlorobenzene	10.080	112	96469	21.197 ug/l		97
66) 1,1,1,2-Tetrachloroethane	10.159	131	32353	21.360 ug/l		98
67) Ethyl Benzene	10.189	91	166435	21.731 ug/l		98
68) m/p-Xylenes	10.299	106	122658	42.997 ug/l		95
69) o-Xylene	10.640	106	60254	21.648 ug/l		94
70) Styrene	10.653	104	102329	22.308 ug/l		97
71) Bromoform	10.799	173	19329	19.555 ug/l	#	97
73) Isopropylbenzene	10.964	105	157405	22.393 ug/l		99
74) N-amyl acetate	10.842	43	73525	23.459 ug/l		93
75) 1,1,2,2-Tetrachloroethane	11.213	83	54158	22.787 ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	45423m	22.601 ug/l		
77) Bromobenzene	11.195	156	37631	21.843 ug/l		97
78) n-propylbenzene	11.305	91	176034	22.696 ug/l		98
79) 2-Chlorotoluene	11.360	91	112986	22.894 ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	132041	22.662 ug/l		97
81) trans-1,4-Dichloro-2-b...	11.018	75	14743	20.654 ug/l		88
82) 4-Chlorotoluene	11.451	91	125521	22.085 ug/l		99
83) tert-Butylbenzene	11.713	119	128636	21.582 ug/l		97
84) 1,2,4-Trimethylbenzene	11.750	105	132595	22.408 ug/l		99
85) sec-Butylbenzene	11.890	105	156312	21.962 ug/l		98
86) p-Isopropyltoluene	12.006	119	130605	21.854 ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	67003	20.986 ug/l		99
88) 1,4-Dichlorobenzene	12.043	146	67195	20.527 ug/l		98
89) n-Butylbenzene	12.329	91	110491	21.698 ug/l		98
90) Hexachloroethane	12.536	117	19547	19.432 ug/l		95
91) 1,2-Dichlorobenzene	12.335	146	67852	20.298 ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	9939	20.259 ug/l		93
93) 1,2,4-Trichlorobenzene	13.591	180	38866	19.894 ug/l		100
94) Hexachlorobutadiene	13.725	225	14818	18.508 ug/l		91
95) Naphthalene	13.774	128	145678	19.999 ug/l		99
96) 1,2,3-Trichlorobenzene	13.963	180	41554	20.415 ug/l		97

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043927.D
Acq On : 21 Nov 2024 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 21 11:27:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 11:25:29 2024
Response via : Initial Calibration

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

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

ICAL Form

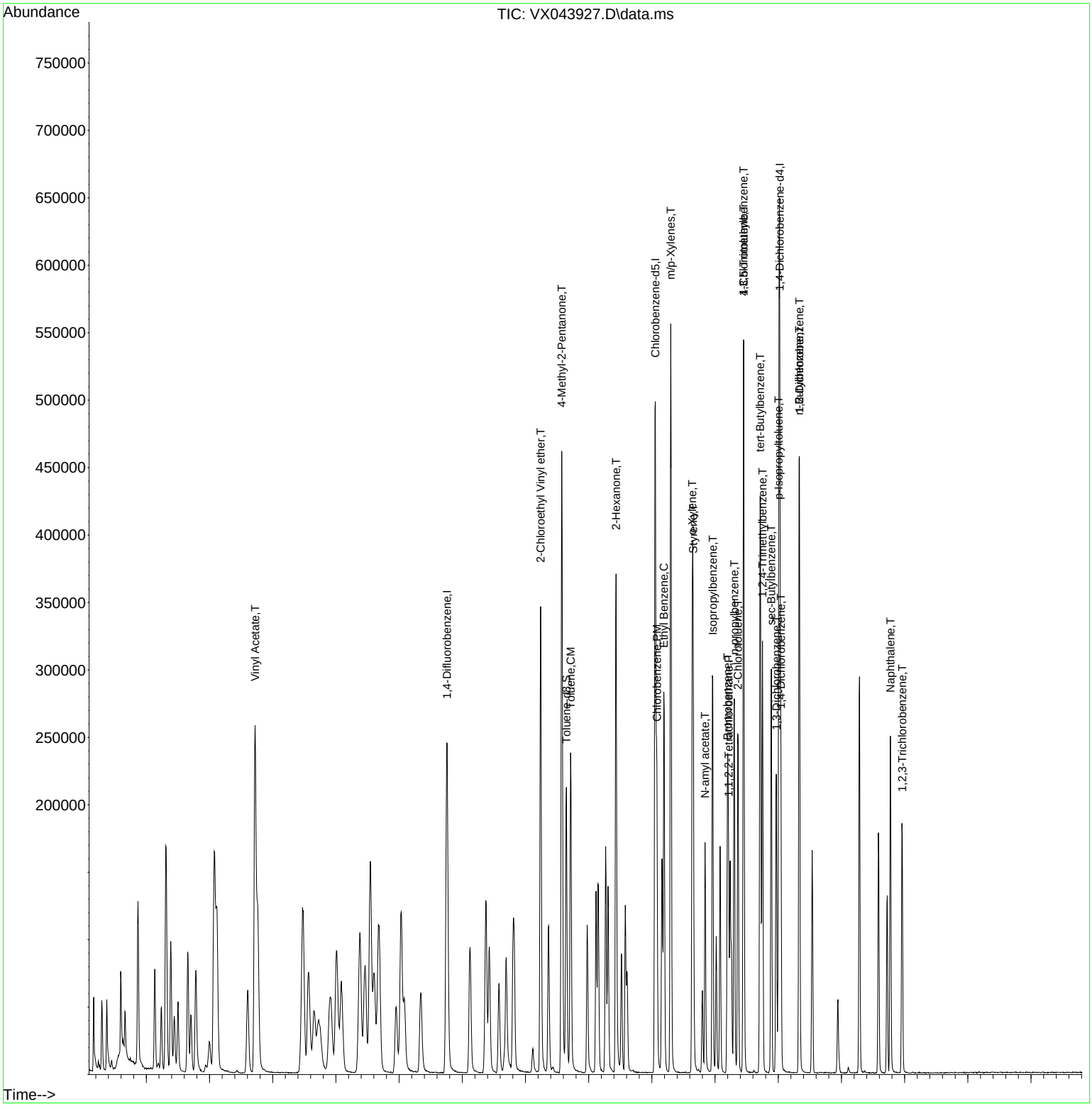
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Data File : VX043927.D
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Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

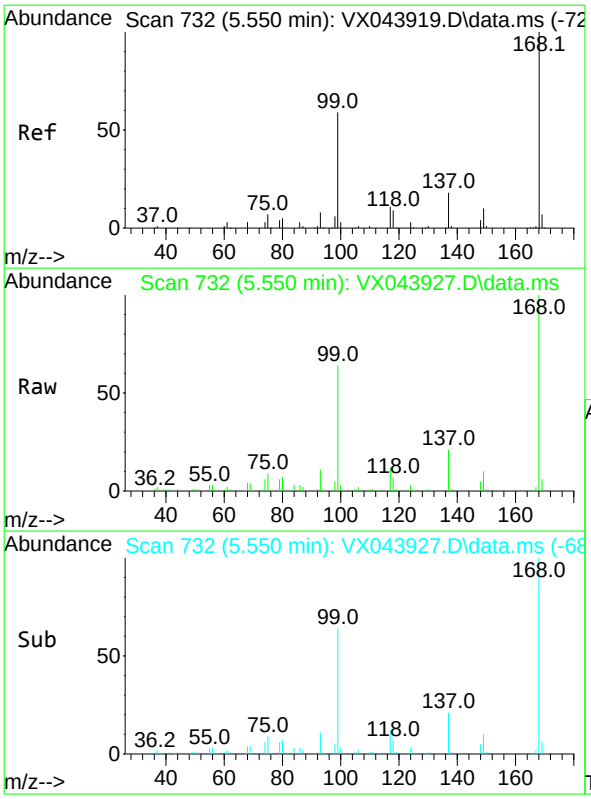
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Quant Title : SW846 8260
QLast Update : Thu Nov 21 11:25:29 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

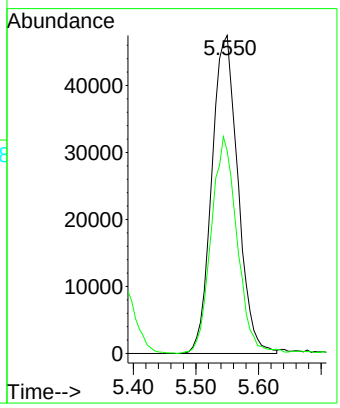




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:168 Resp: 137617

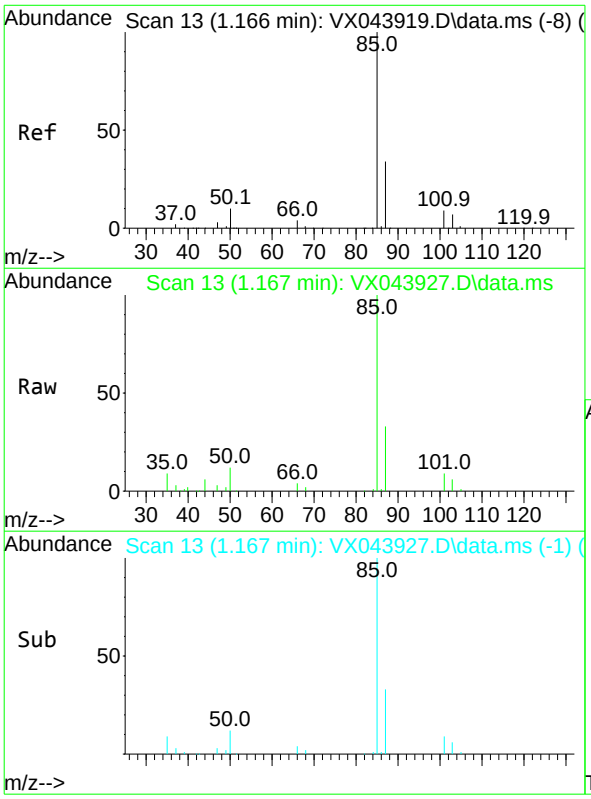
Ion	Ratio	Lower	Upper
168	100		
99	63.7	46.9	70.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

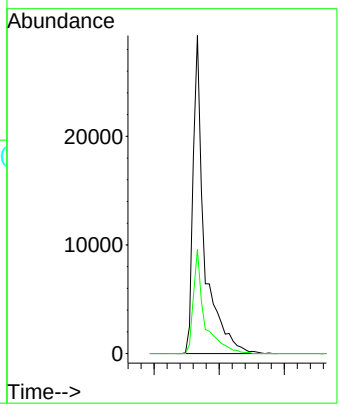
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

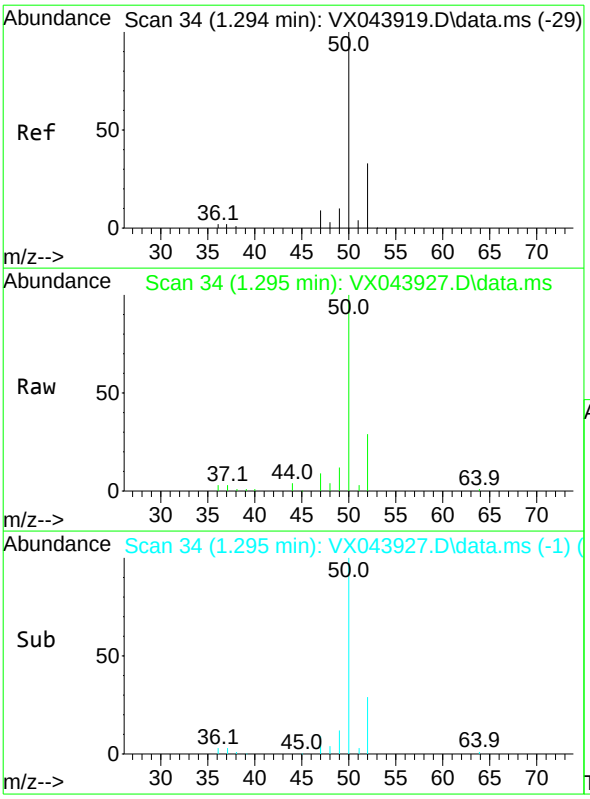


#2
Dichlorodifluoromethane
Concen: 25.327 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 85 Resp: 35268

Ion	Ratio	Lower	Upper
85	100		
87	32.8	17.1	51.2

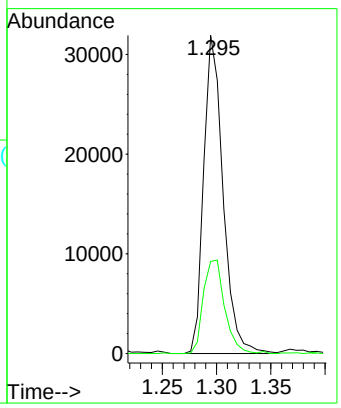




#3
Chloromethane
Concen: 22.767 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 50 Resp: 39622

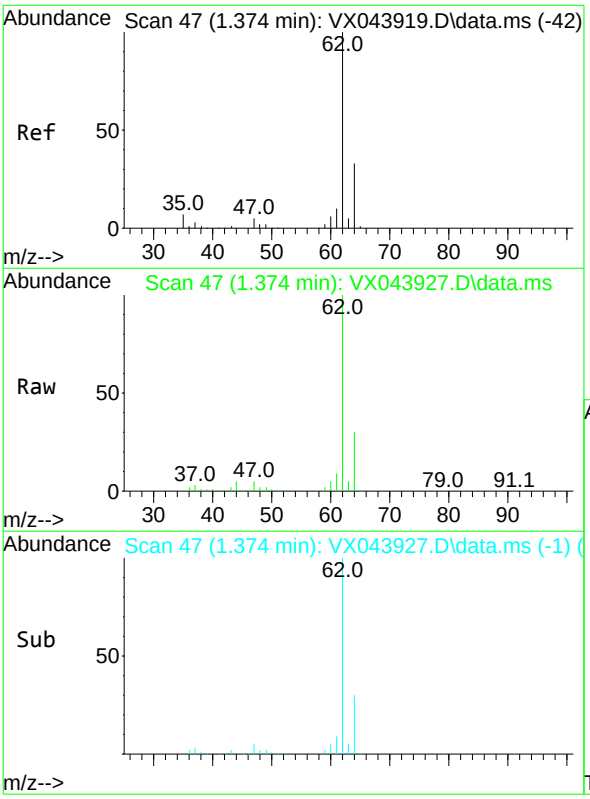
Ion	Ratio	Lower	Upper
50	100		
52	28.9	26.2	39.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

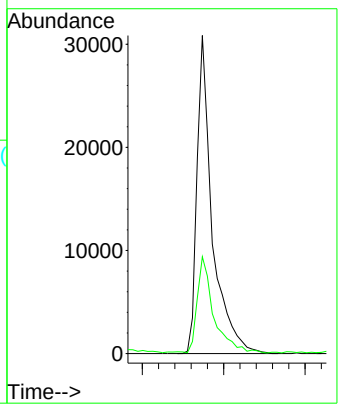
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

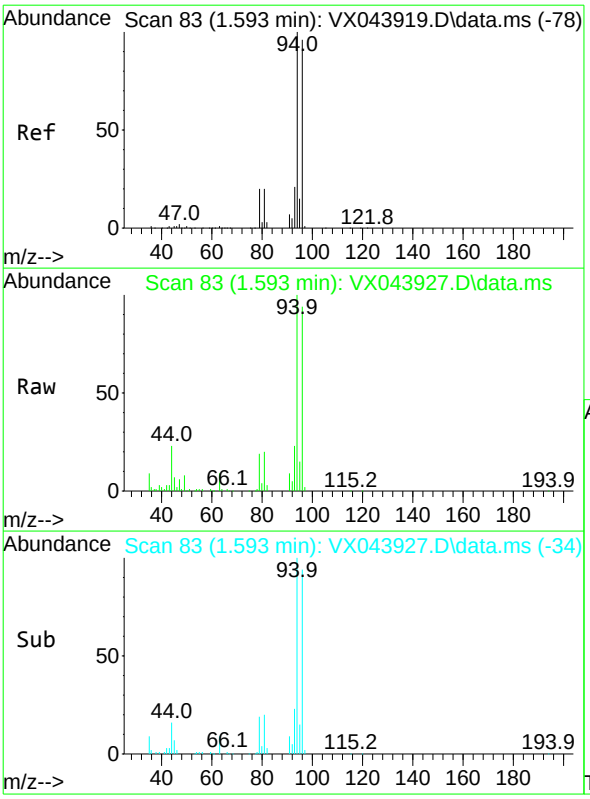


#4
Vinyl Chloride
Concen: 22.975 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 62 Resp: 40173

Ion	Ratio	Lower	Upper
62	100		
64	30.0	26.1	39.1

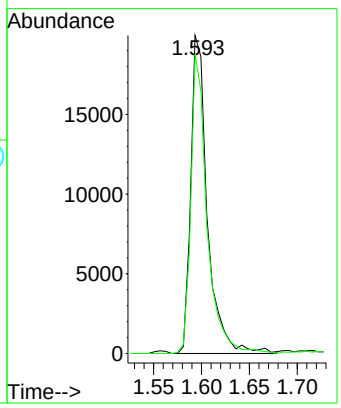




#5
Bromomethane
Concen: 30.357 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 94 Resp: 24112

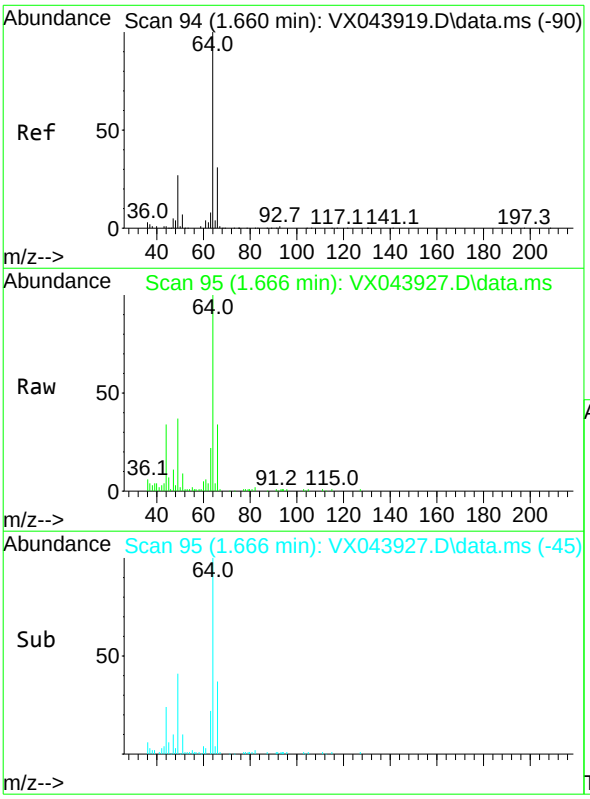
Ion	Ratio	Lower	Upper
94	100		
96	94.1	76.5	114.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

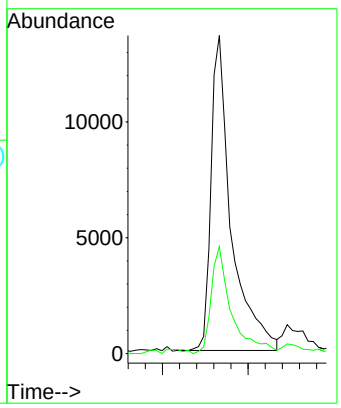
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

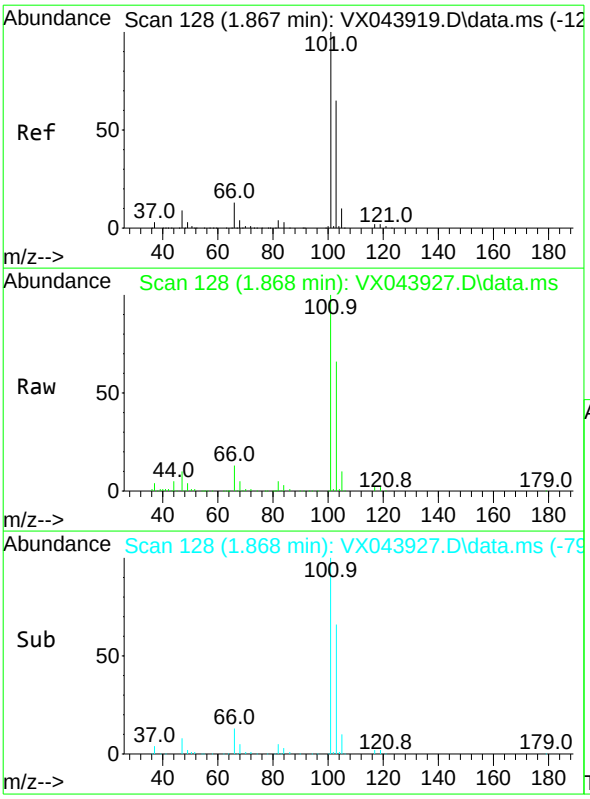


#6
Chloroethane
Concen: 26.595 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 64 Resp: 22213

Ion	Ratio	Lower	Upper
64	100		
66	32.9	24.9	37.3

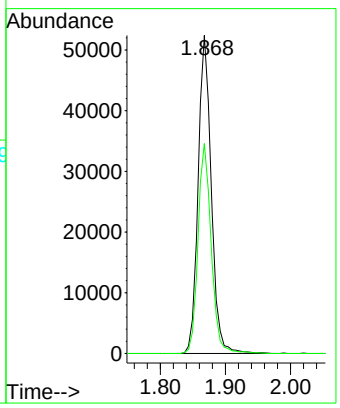




#7
Trichlorofluoromethane
Concen: 29.469 ug/l
RT: 1.868 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:101 Resp: 73464

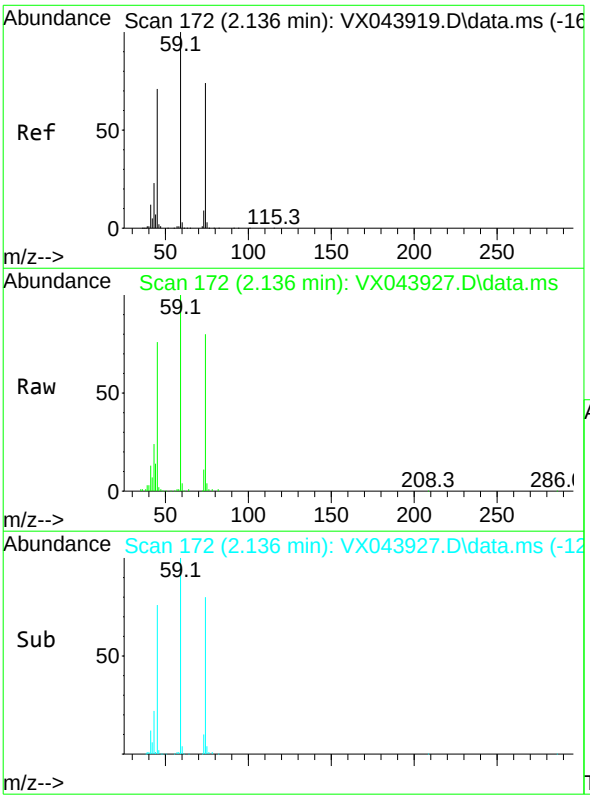
Ion	Ratio	Lower	Upper
101	100		
103	66.0	52.2	78.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

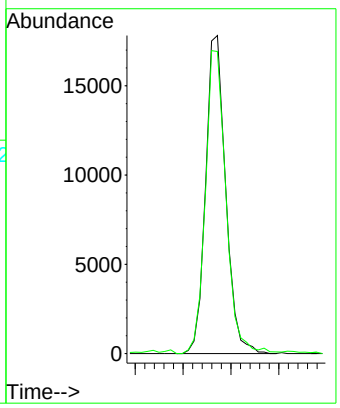
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

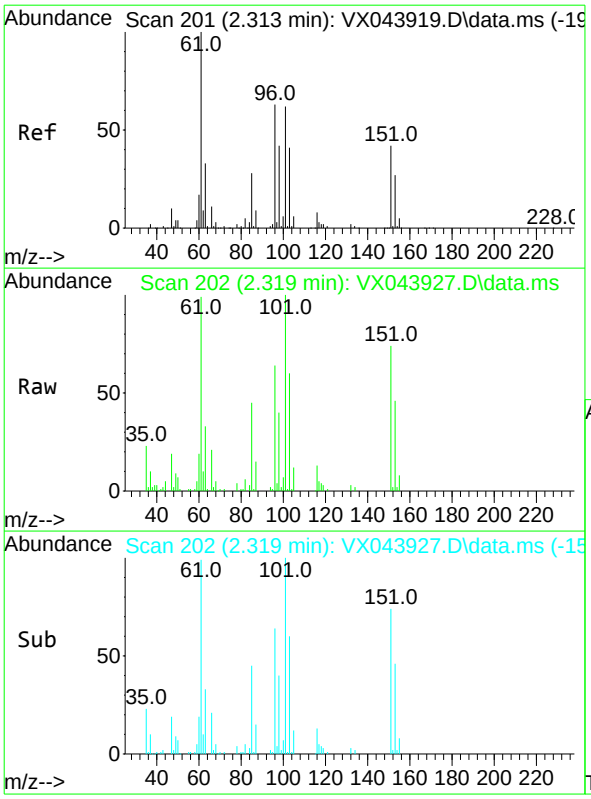


#8
Diethyl Ether
Concen: 27.531 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 74 Resp: 25875

Ion	Ratio	Lower	Upper
74	100		
45	98.4	49.9	149.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 22.561 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

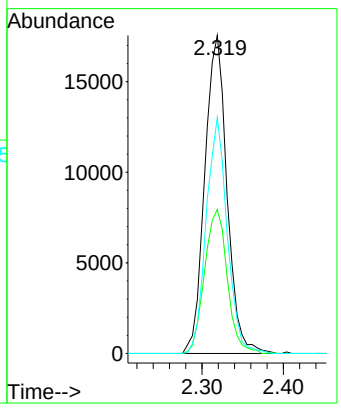
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

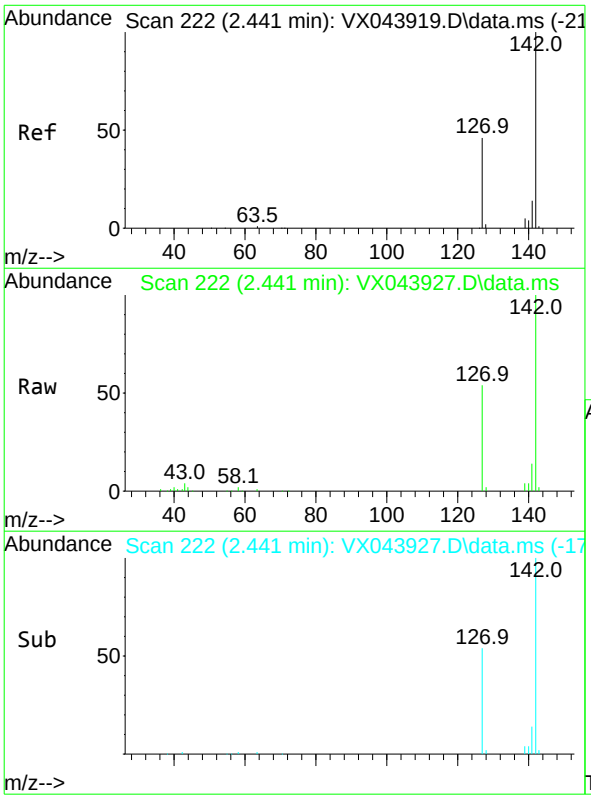
Tgt Ion:101 Resp: 33284

Ion	Ratio	Lower	Upper
101	100		
85	46.3	36.6	54.8
151	70.1	59.8	89.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

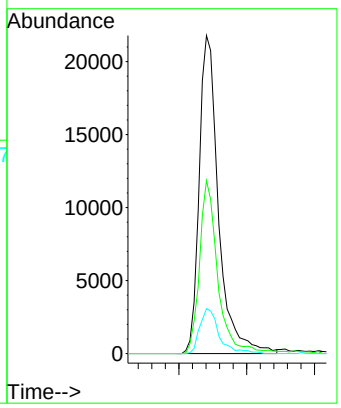


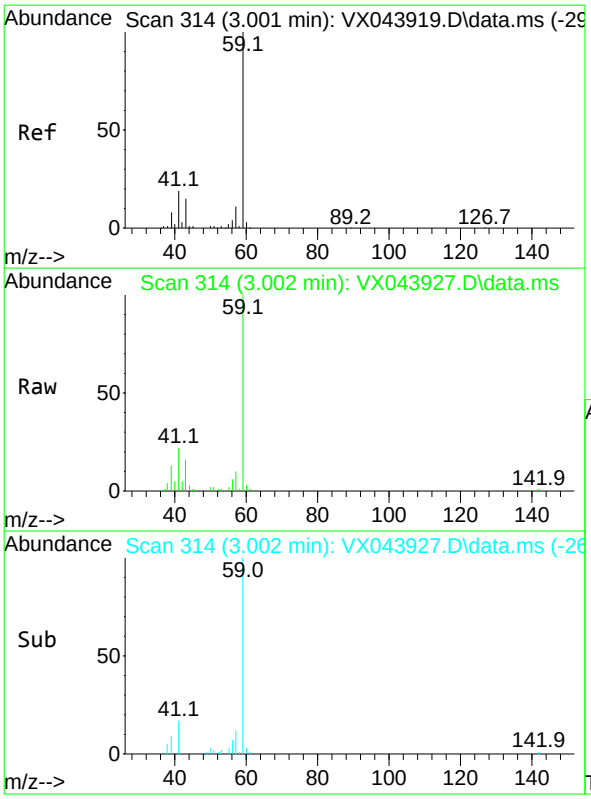


#10
Methyl Iodide
Concen: 20.733 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:142 Resp: 43047

Ion	Ratio	Lower	Upper
142	100		
127	51.8	37.3	55.9
141	14.2	11.4	17.2

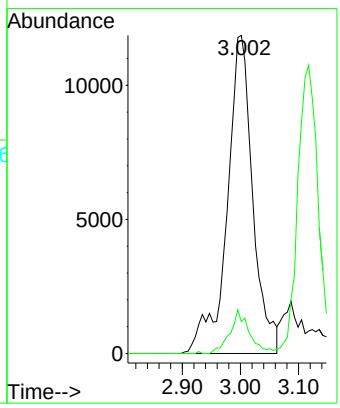




#11
Tert butyl alcohol
Concen: 108.748 ug/l
RT: 3.002 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 59 Resp: 36554

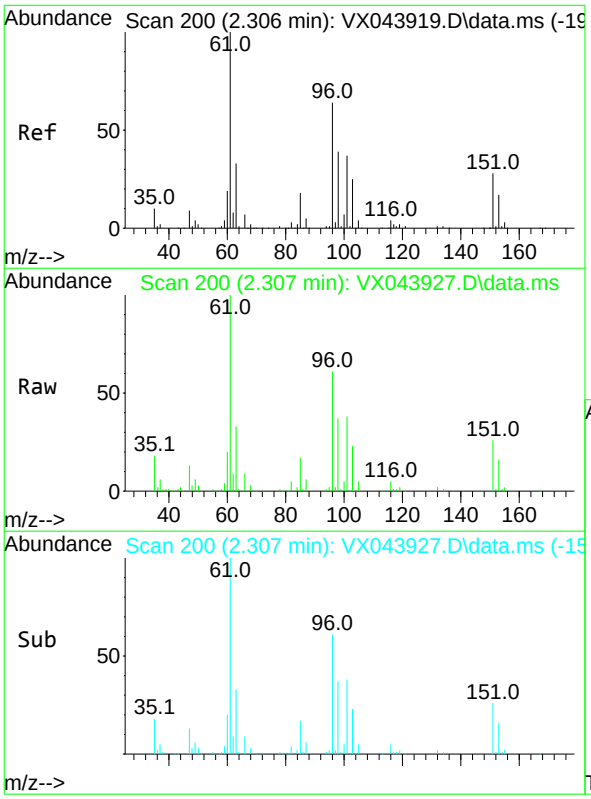
Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

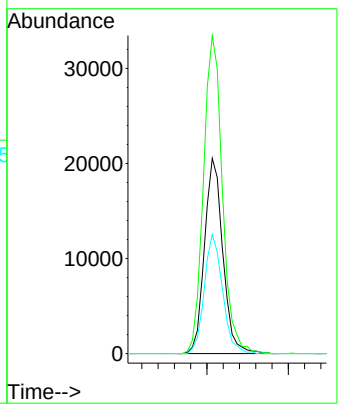
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

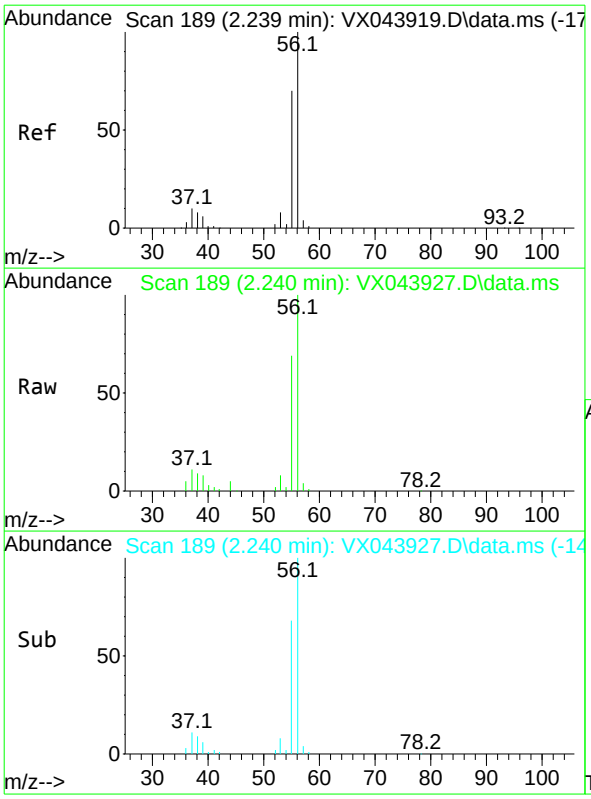


#12
1,1-Dichloroethene
Concen: 22.474 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 96 Resp: 32180

Ion	Ratio	Lower	Upper
96	100		
61	162.9	124.6	187.0
98	61.0	49.0	73.6

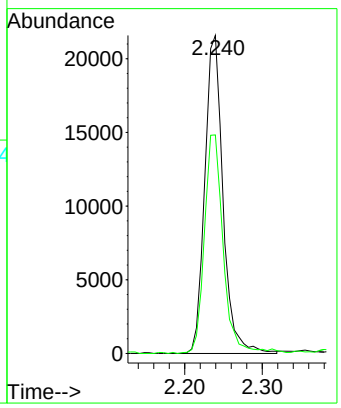




#13
Acrolein
Concen: 93.505 ug/l
RT: 2.240 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 56 Resp: 35249

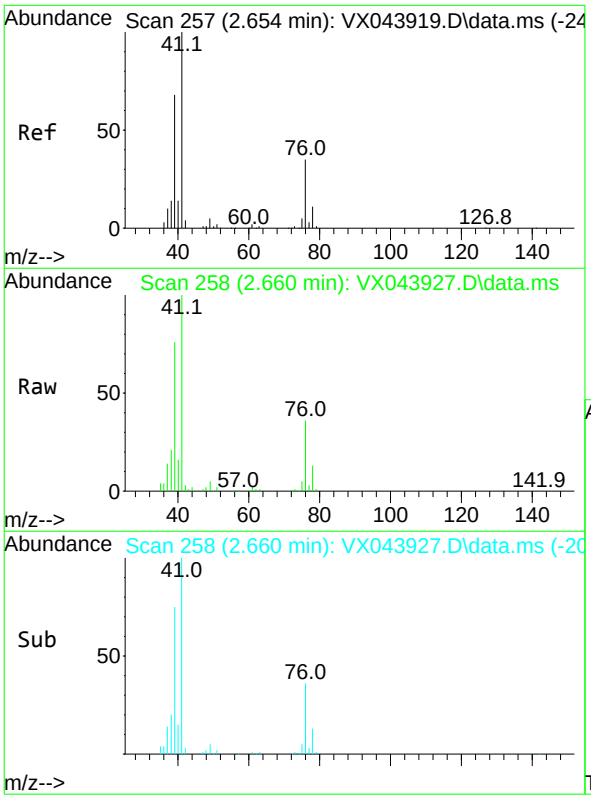
Ion	Ratio	Lower	Upper
56	100		
55	71.2	56.1	84.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

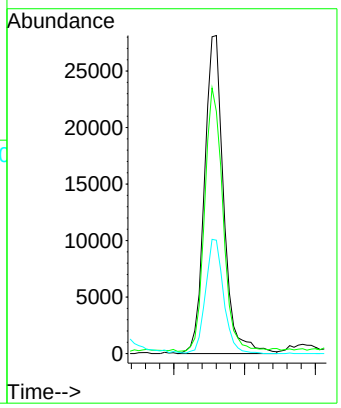
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

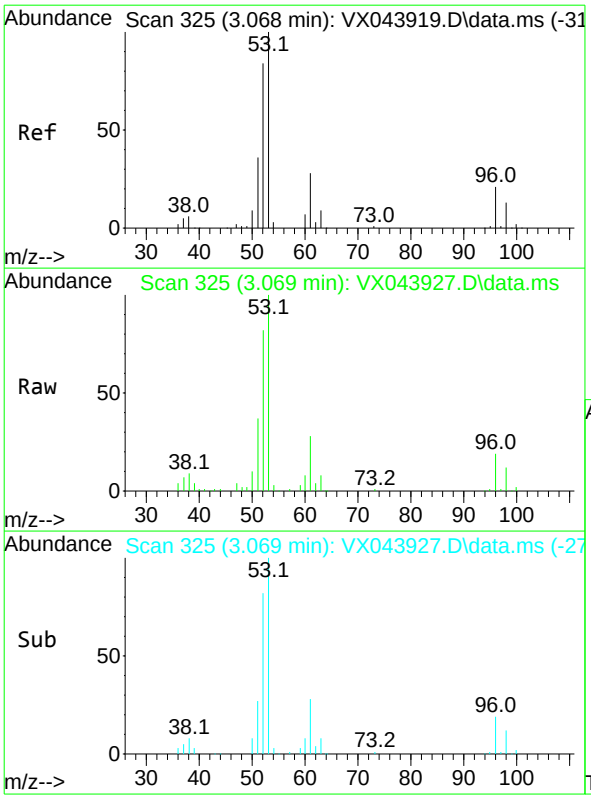


#14
Allyl chloride
Concen: 22.853 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 41 Resp: 53053

Ion	Ratio	Lower	Upper
41	100		
39	78.7	51.7	77.5#
76	33.9	28.2	42.2

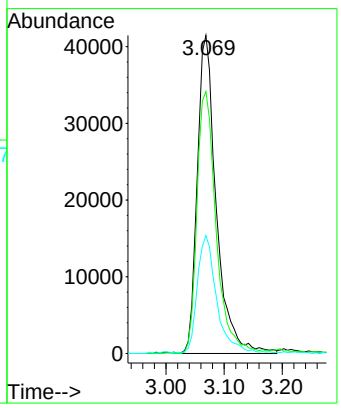




#15
Acrylonitrile
Concen: 109.118 ug/l
RT: 3.069 min Scan# 32
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 53 Resp: 94417

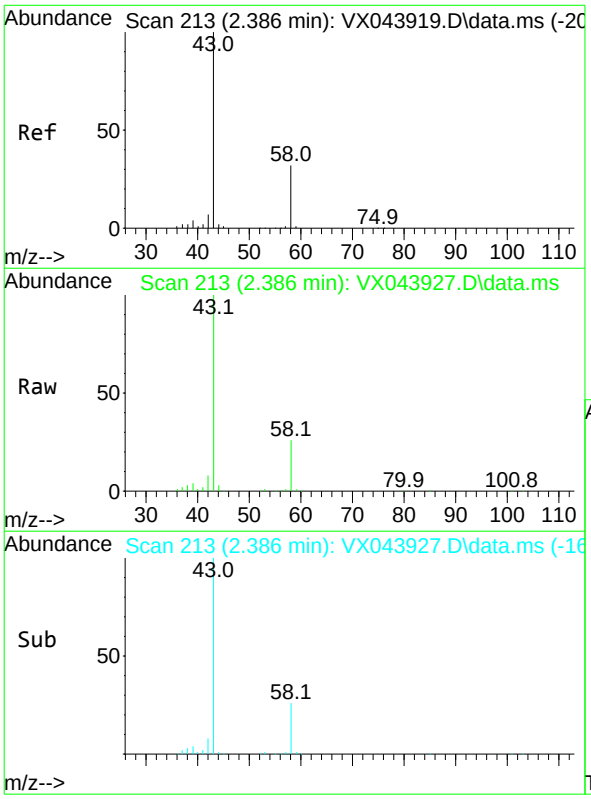
Ion	Ratio	Lower	Upper
53	100		
52	83.1	65.8	98.8
51	37.1	28.6	42.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

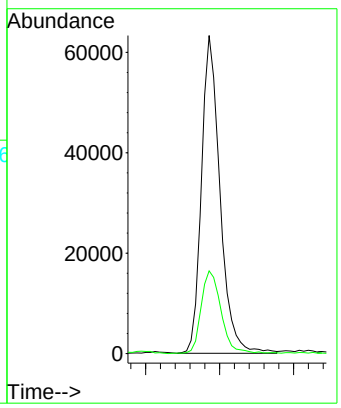
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

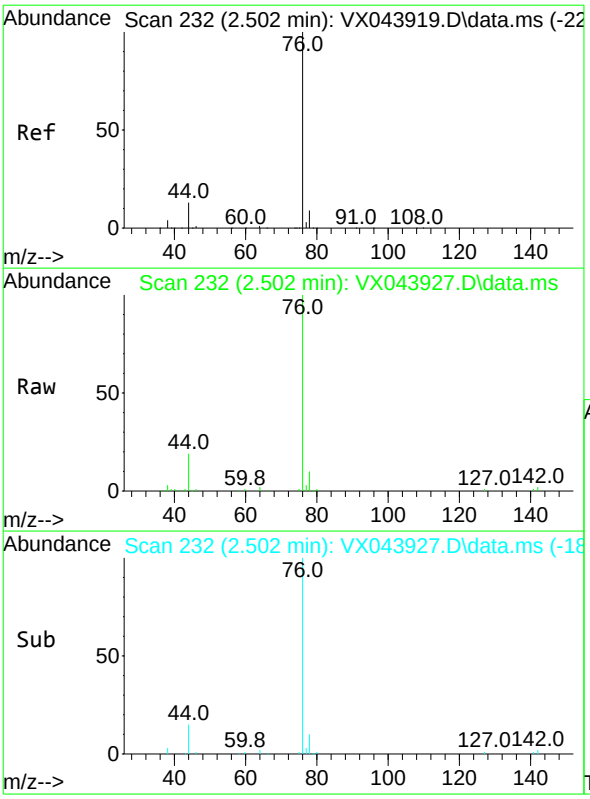


#16
Acetone
Concen: 130.004 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 43 Resp: 110373

Ion	Ratio	Lower	Upper
43	100		
58	25.9	25.8	38.6

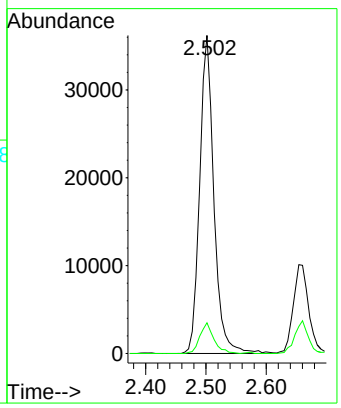




#17
Carbon Disulfide
Concen: 18.983 ug/l
RT: 2.502 min Scan# 23
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 76 Resp: 59349

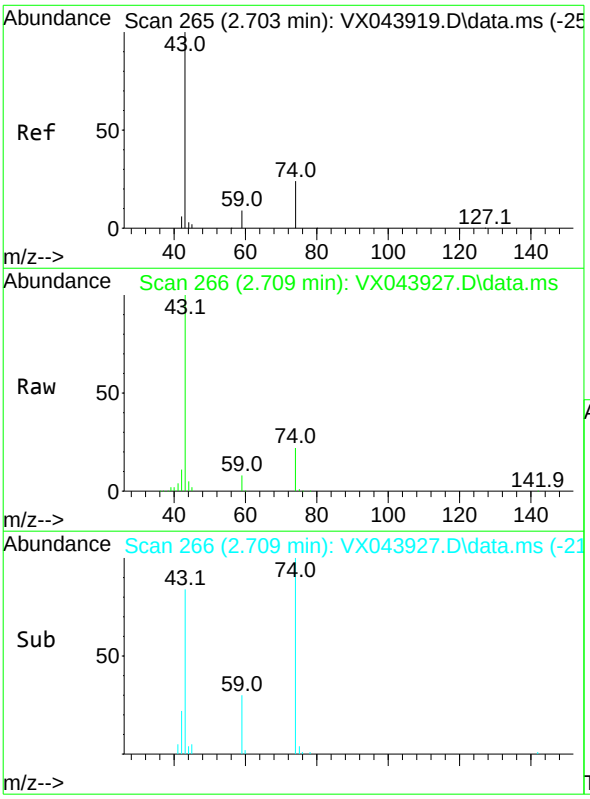
Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.3	10.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

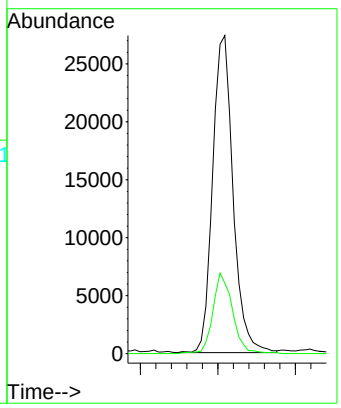
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

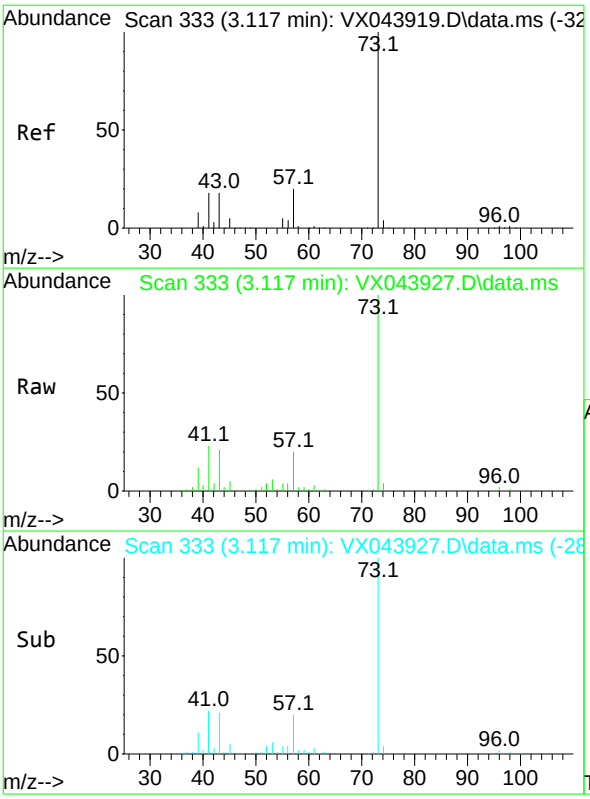


#18
Methyl Acetate
Concen: 21.564 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 43 Resp: 50136

Ion	Ratio	Lower	Upper
43	100		
74	24.4	20.1	30.1





#19
Methyl tert-butyl Ether
Concen: 23.009 ug/l
RT: 3.117 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

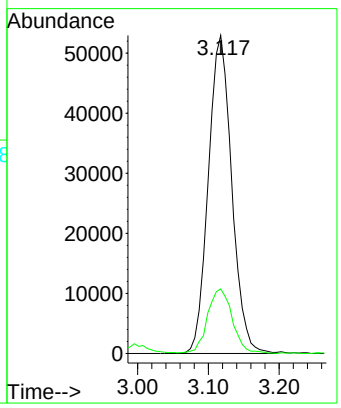
Tgt Ion: 73 Resp: 121776

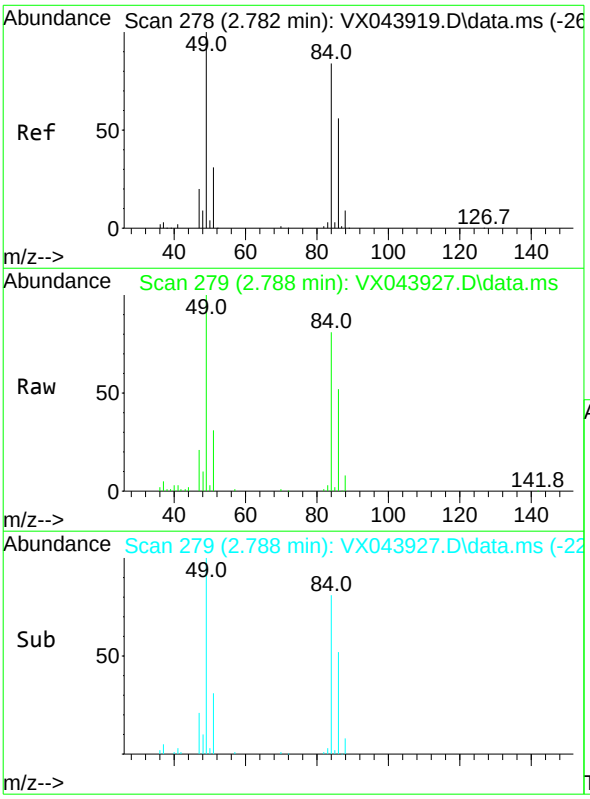
Ion	Ratio	Lower	Upper
73	100		
57	20.3	16.4	24.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

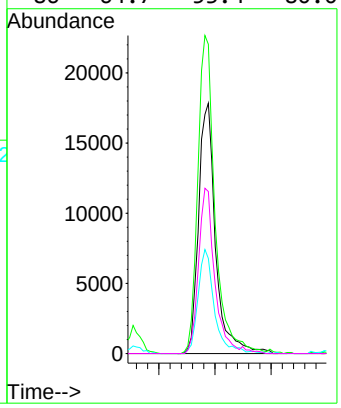


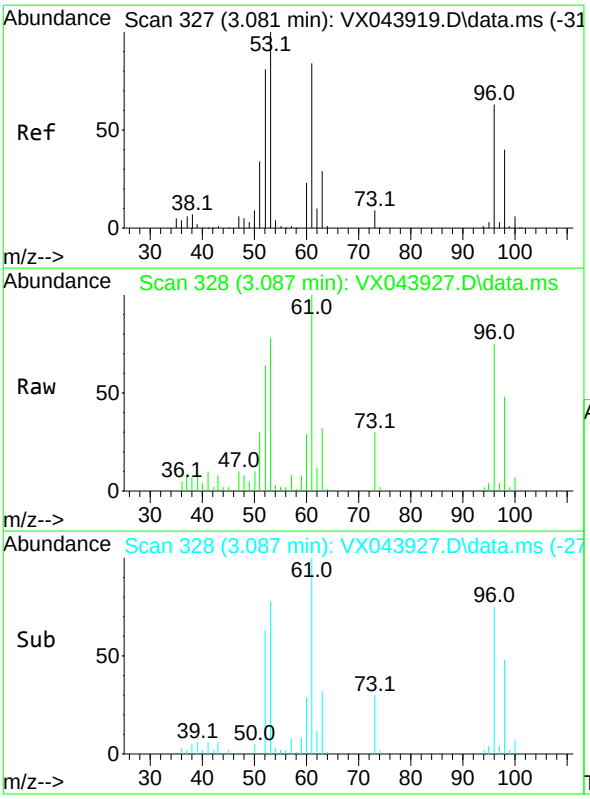


#20
Methylene Chloride
Concen: 21.177 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 84 Resp: 37633

Ion	Ratio	Lower	Upper
84	100		
49	123.5	95.1	142.7
51	38.0	29.2	43.8
86	64.7	53.4	80.0

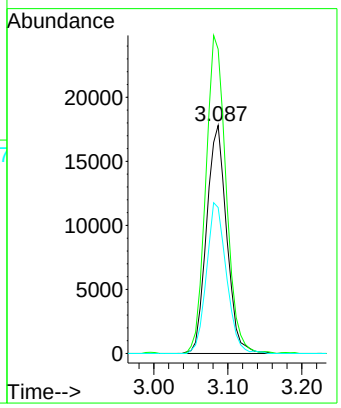




#21
trans-1,2-Dichloroethene
Concen: 21.489 ug/l
RT: 3.087 min Scan# 32
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 96 Resp: 33545

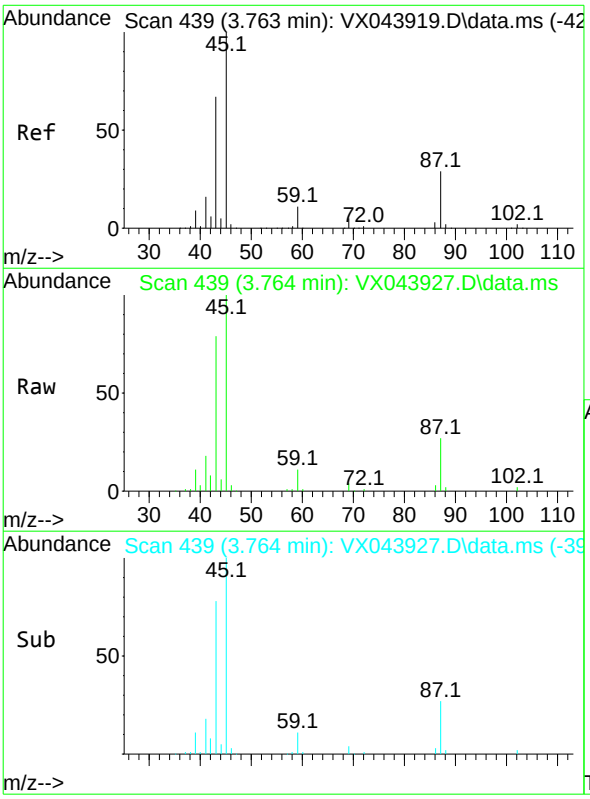
Ion	Ratio	Lower	Upper
96	100		
61	133.4	106.4	159.6
98	64.0	50.9	76.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

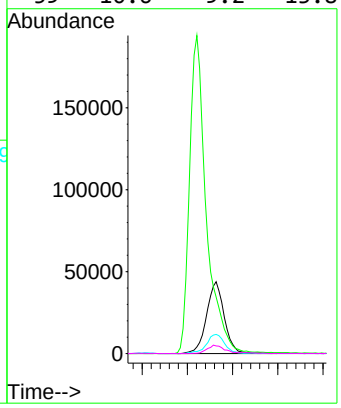
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

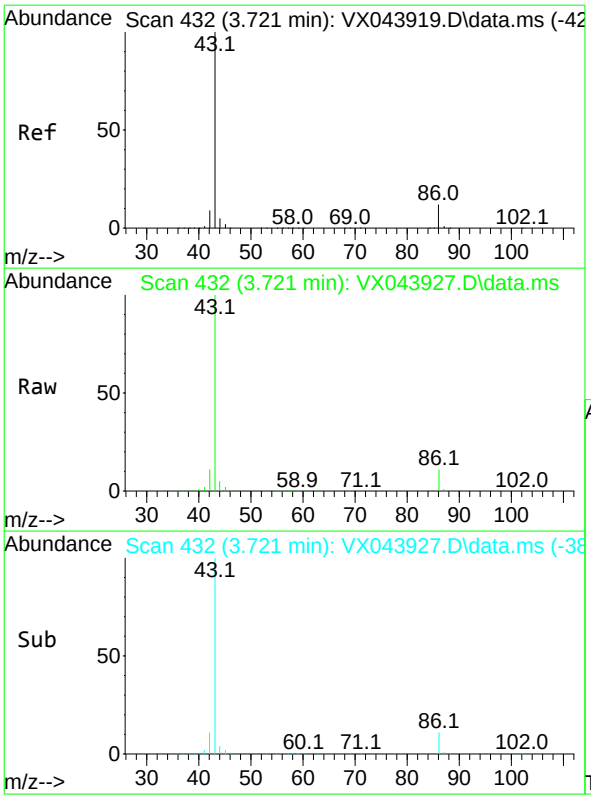


#22
Diisopropyl ether
Concen: 23.557 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 45 Resp: 119475

Ion	Ratio	Lower	Upper
45	100		
43	77.4	53.8	80.6
87	26.6	23.4	35.2
59	10.6	9.2	13.8

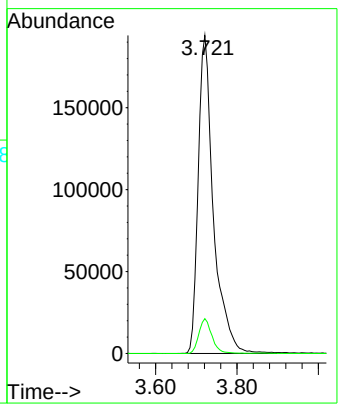




#23
Vinyl Acetate
Concen: 122.699 ug/l
RT: 3.721 min Scan# 43
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 43 Resp: 504408

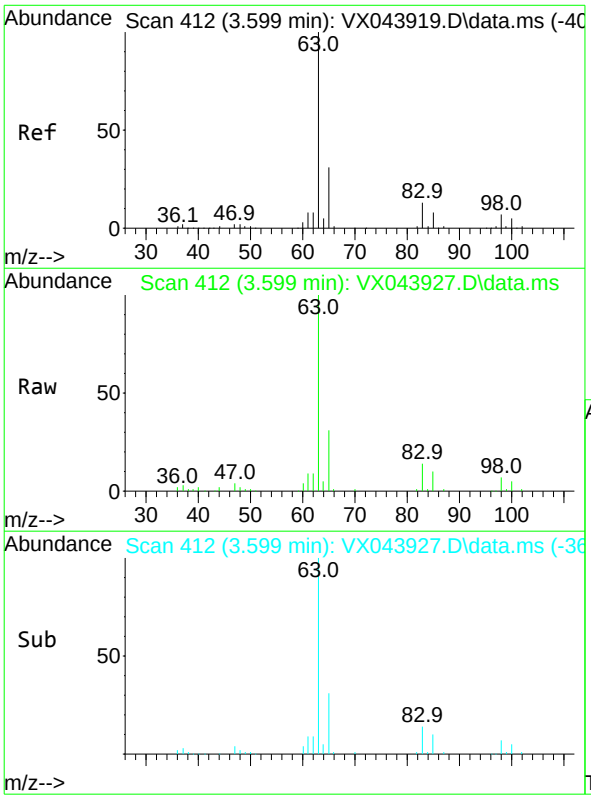
Ion	Ratio	Lower	Upper
43	100		
86	11.0	9.4	14.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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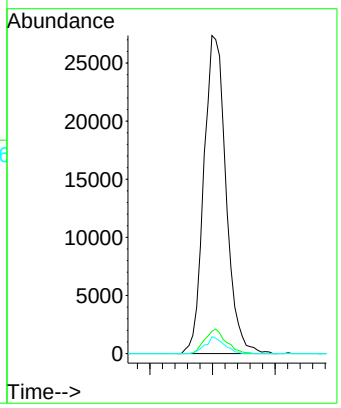
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

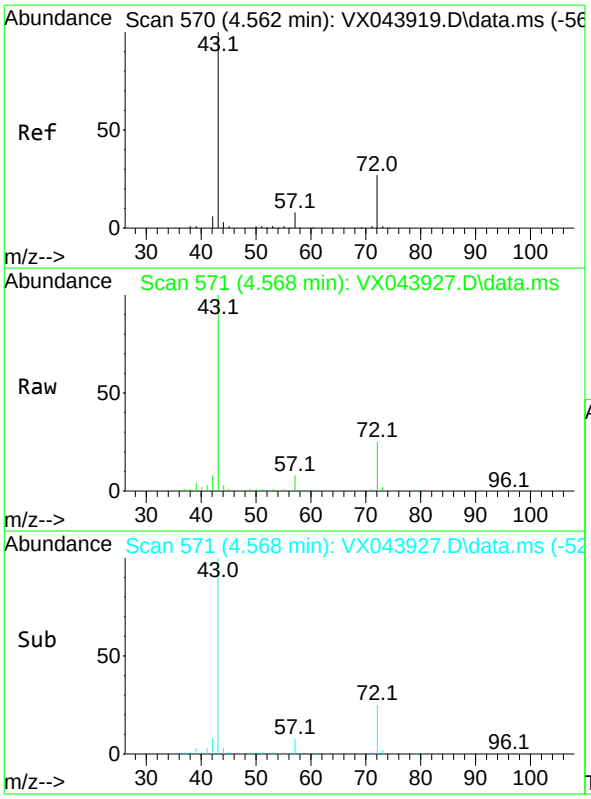


#24
1,1-Dichloroethane
Concen: 22.540 ug/l
RT: 3.599 min Scan# 412
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 63 Resp: 67233

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.7	11.1
100	5.3	2.4	7.2

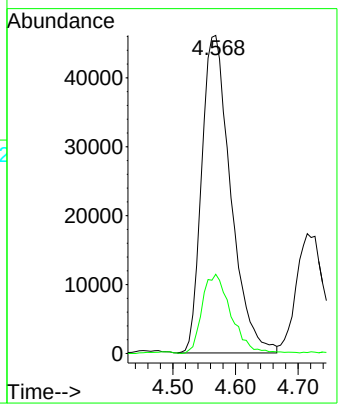




#25
2-Butanone
Concen: 124.741 ug/l
RT: 4.568 min Scan# 57
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 43 Resp: 148152

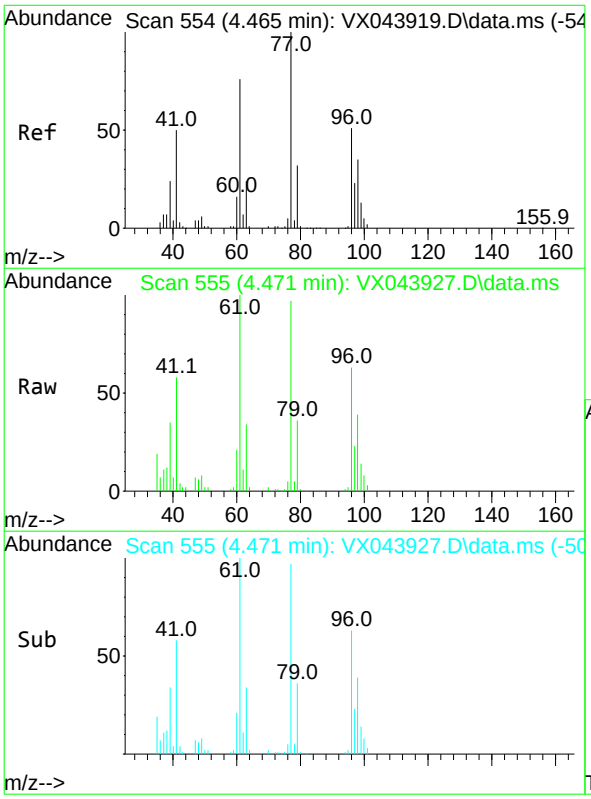
Ion	Ratio	Lower	Upper
43	100		
72	24.8	21.3	31.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

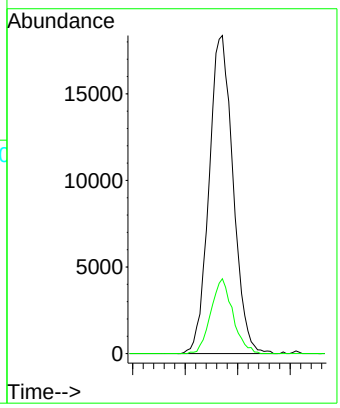
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

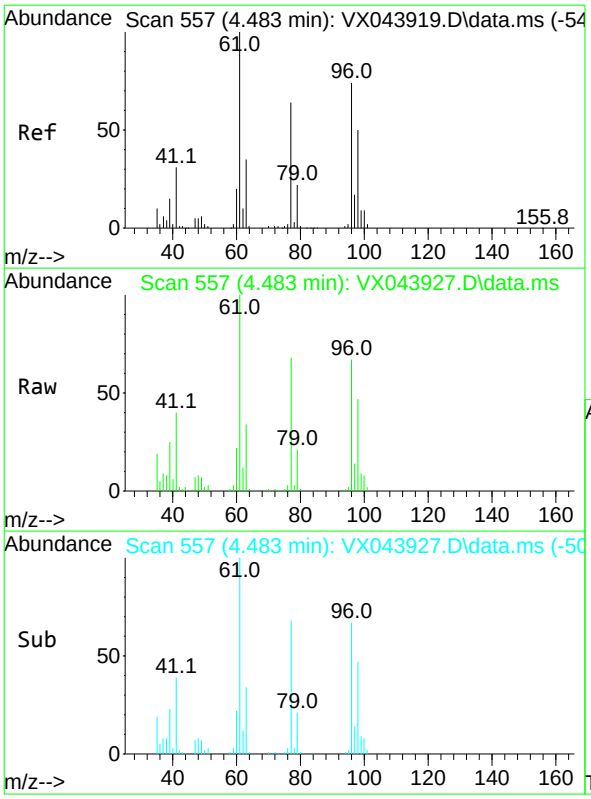


#26
2,2-Dichloropropane
Concen: 23.843 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 77 Resp: 58444

Ion	Ratio	Lower	Upper
77	100		
97	21.5	11.7	35.1

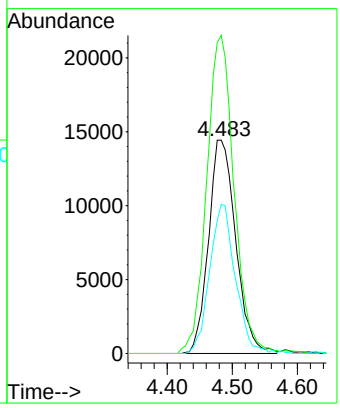




#27
cis-1,2-Dichloroethene
Concen: 21.551 ug/l
RT: 4.483 min Scan# 55
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 96 Resp: 41866

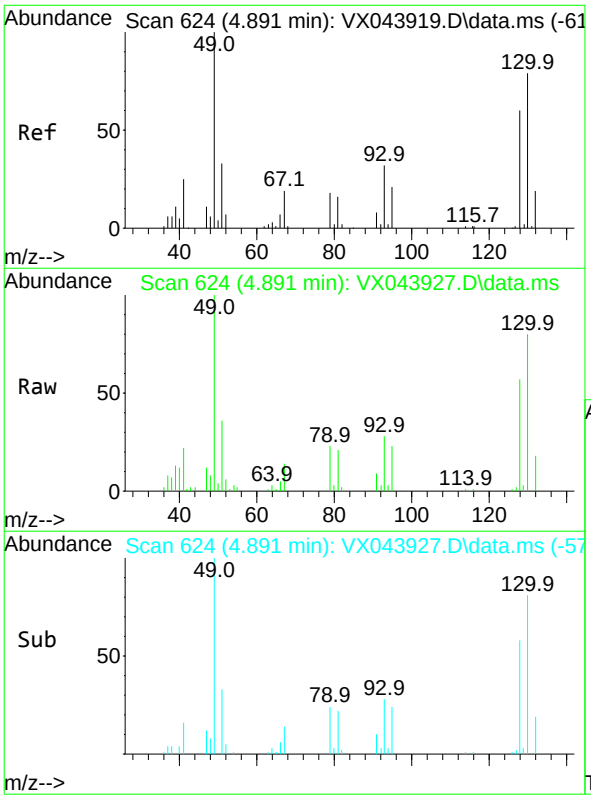
Ion	Ratio	Lower	Upper
96	100		
61	149.9	0.0	279.4
98	66.3	0.0	131.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

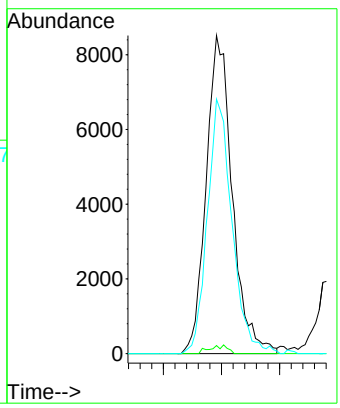
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

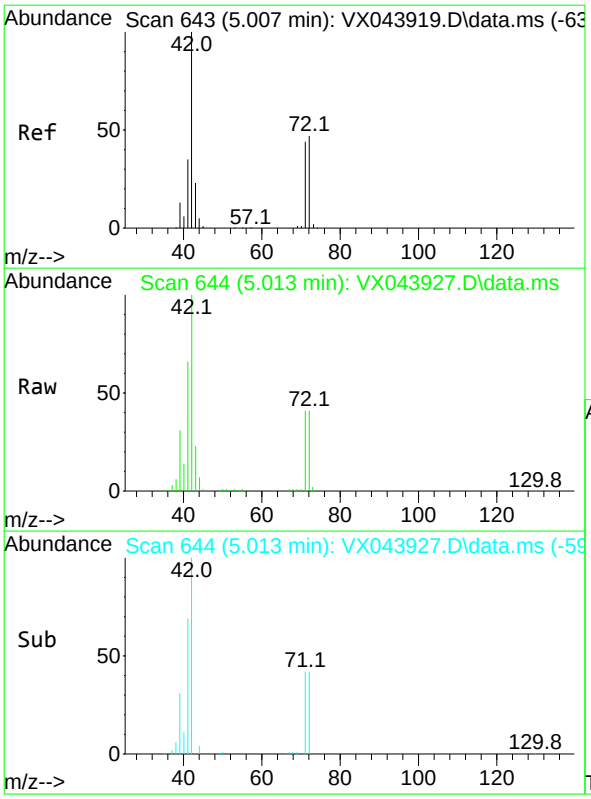


#28
Bromochloromethane
Concen: 21.119 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 49 Resp: 26507

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.4
130	75.8	68.2	102.2

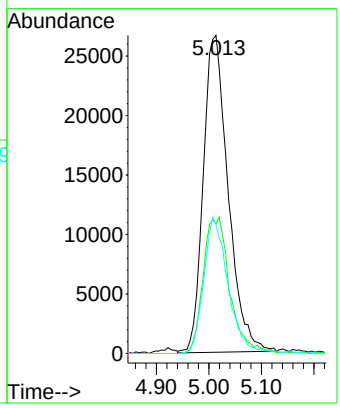




#29
Tetrahydrofuran
Concen: 114.321 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 42 Resp: 87736

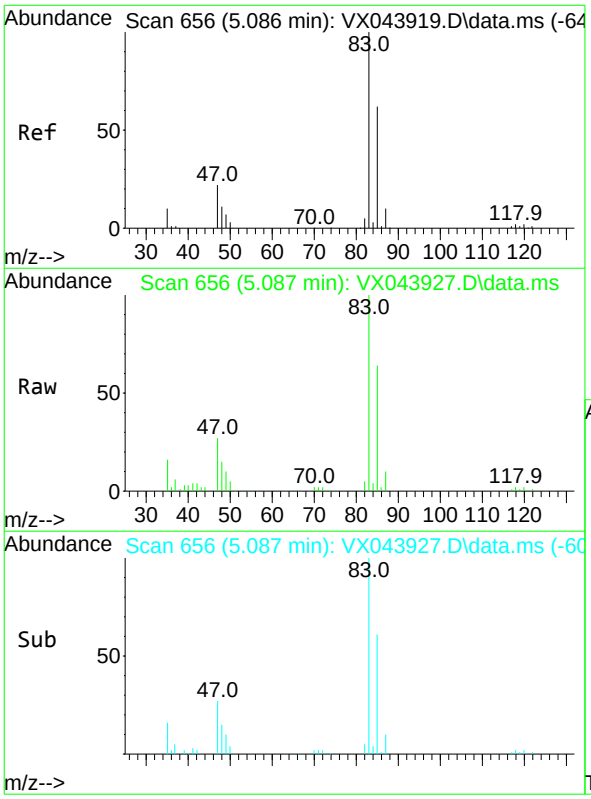
Ion	Ratio	Lower	Upper
42	100		
72	45.8	37.9	56.9
71	42.0	34.8	52.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

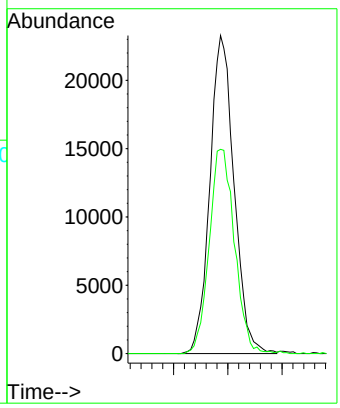
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

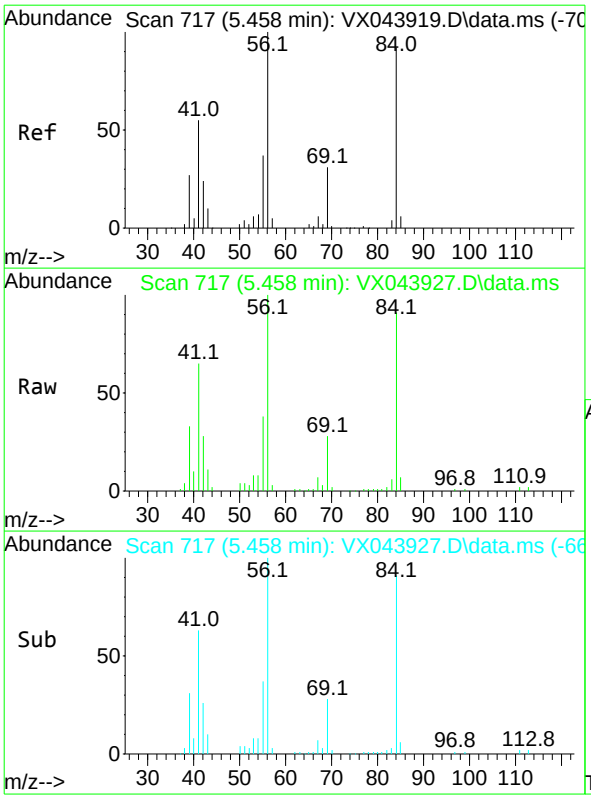


#30
Chloroform
Concen: 23.172 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 83 Resp: 72049

Ion	Ratio	Lower	Upper
83	100		
85	64.2	49.7	74.5





#31
Cyclohexane
Concen: 22.225 ug/l
RT: 5.458 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

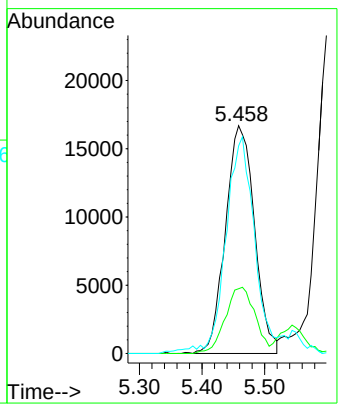
Tgt Ion: 56 Resp: 53731

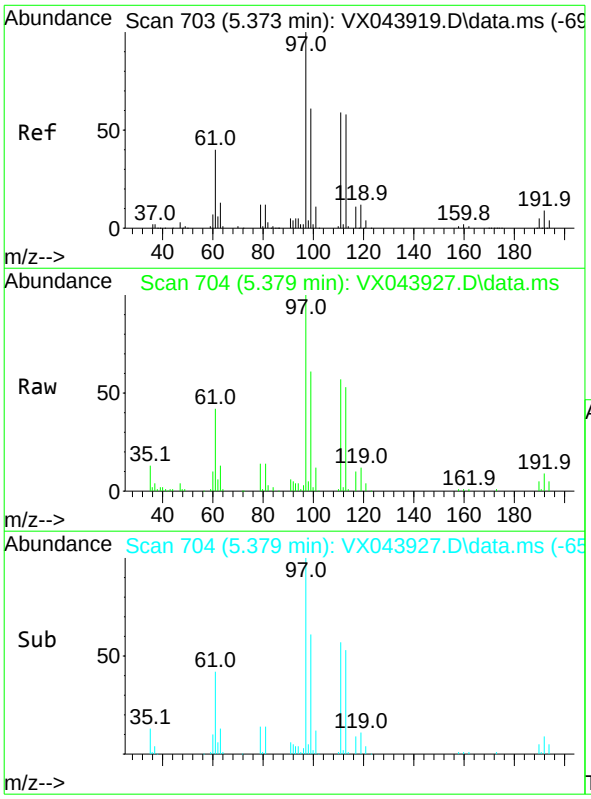
Ion	Ratio	Lower	Upper
56	100		
69	28.4	24.9	37.3
84	89.6	73.8	110.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

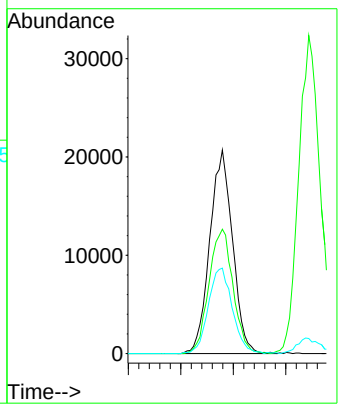


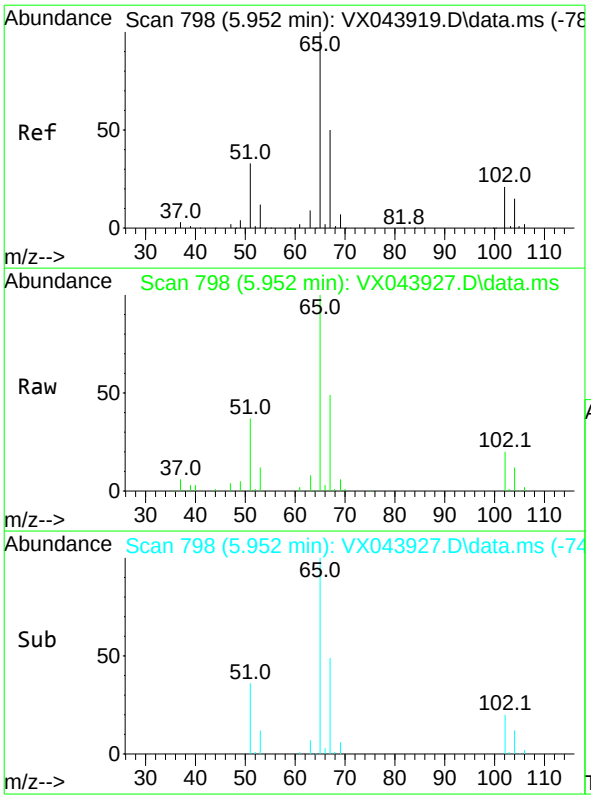


#32
1,1,1-Trichloroethane
Concen: 23.474 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 97 Resp: 62394

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.2	76.8
61	44.1	32.9	49.3

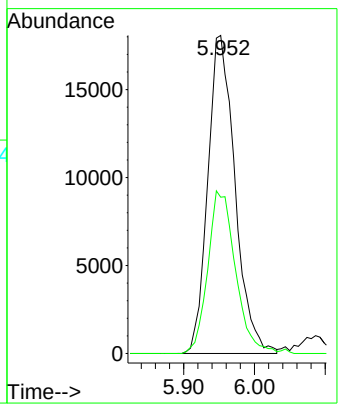




#33
1,2-Dichloroethane-d4
Concen: 22.821 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 65 Resp: 48239

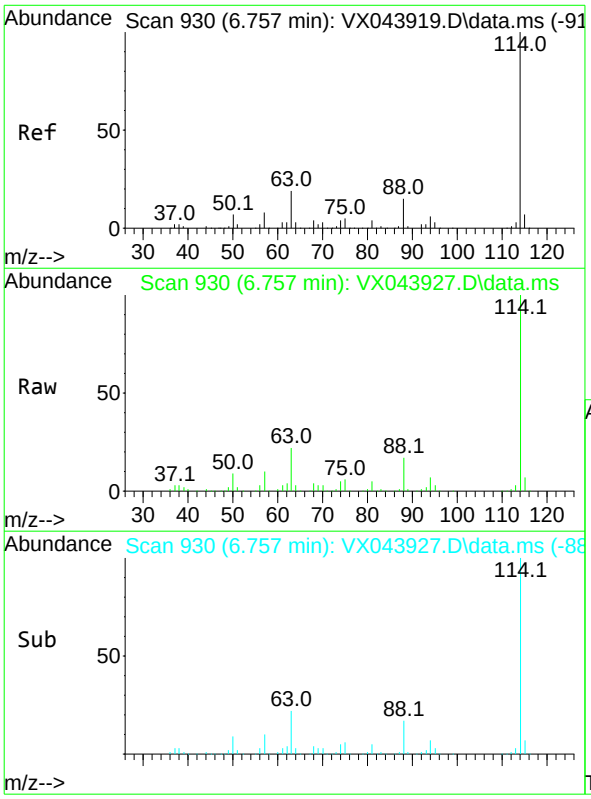
Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	103.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

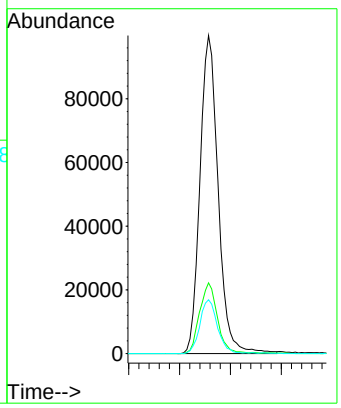
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

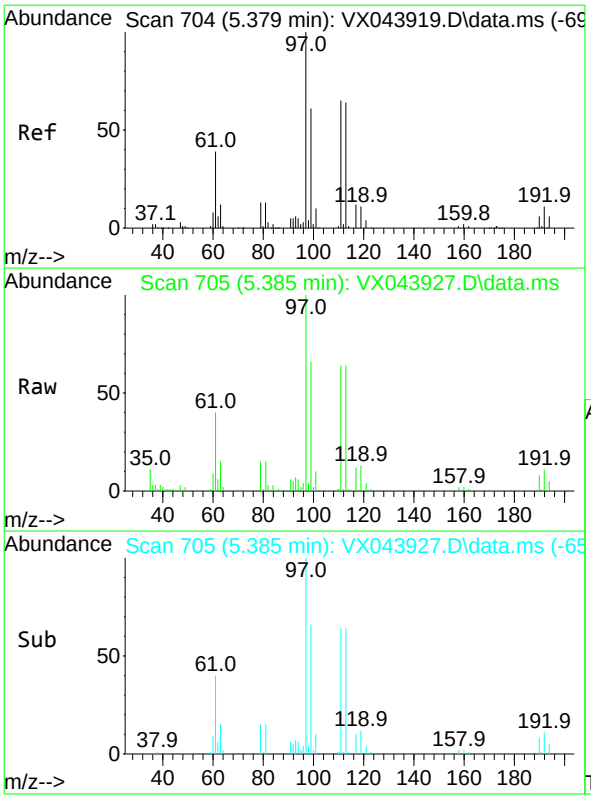


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:114 Resp: 247844

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	39.0
88	16.9	0.0	30.2

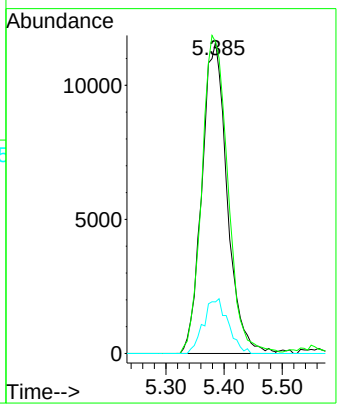




#35
Dibromofluoromethane
Concen: 21.040 ug/l
RT: 5.385 min Scan# 70
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:113 Resp: 35015

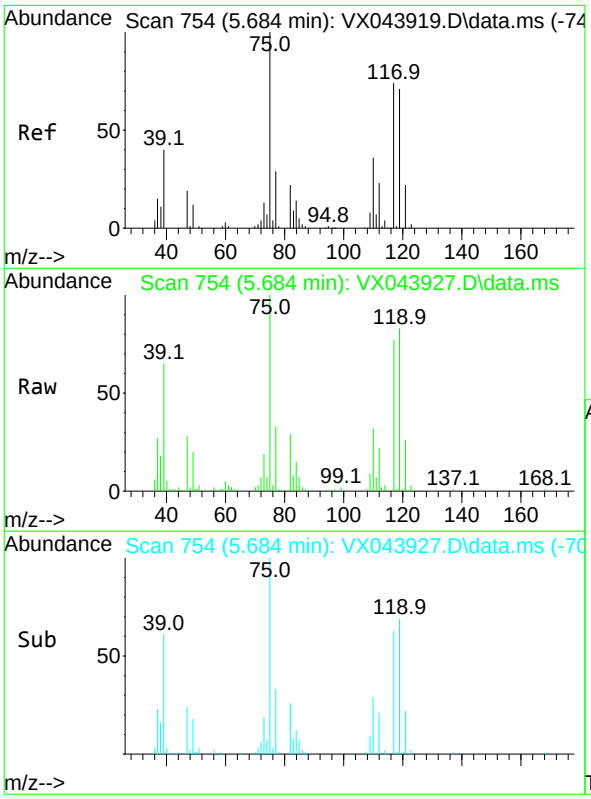
Ion	Ratio	Lower	Upper
113	100		
111	105.0	81.0	121.6
192	17.1	14.2	21.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

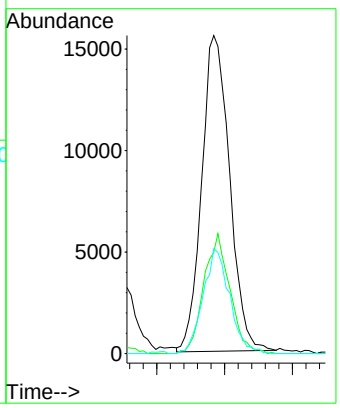
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

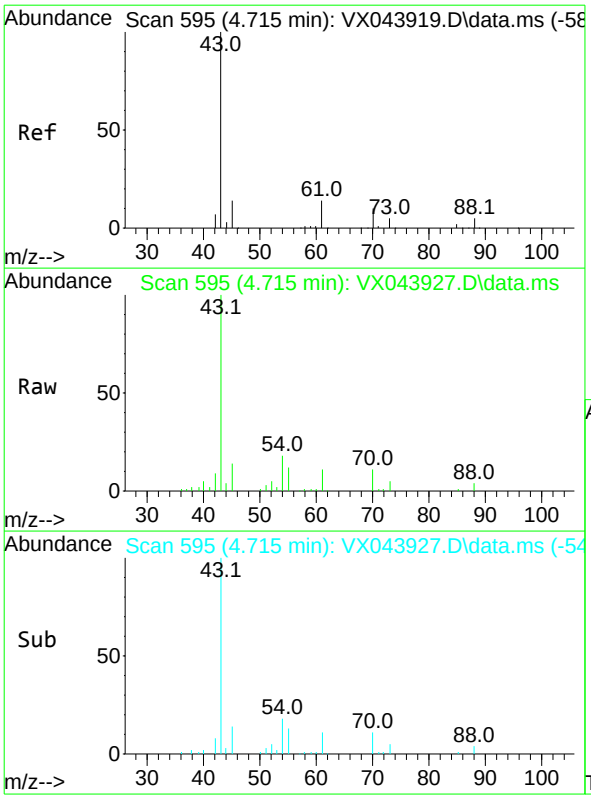


#36
1,1-Dichloropropene
Concen: 21.438 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 75 Resp: 44465

Ion	Ratio	Lower	Upper
75	100		
110	35.4	17.5	52.5
77	31.8	24.9	37.3





#37
Ethyl Acetate
Concen: 23.316 ug/l
RT: 4.715 min Scan# 59
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

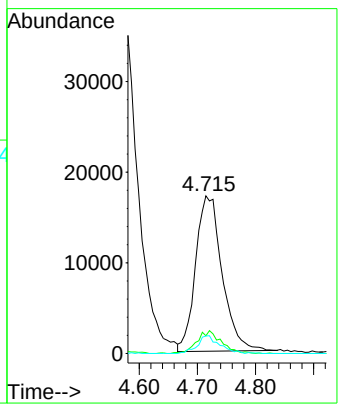
Tgt Ion: 43 Resp: 54426

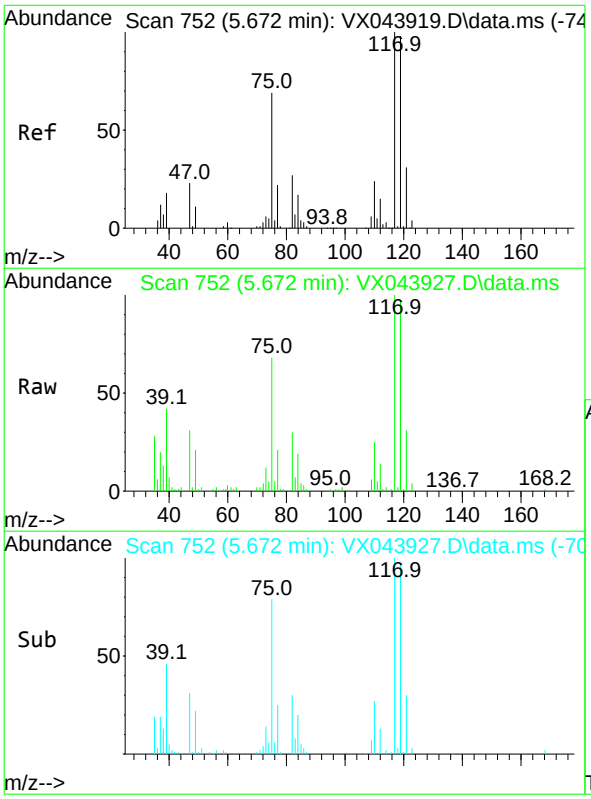
Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.5	17.3
70	9.5	8.7	13.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

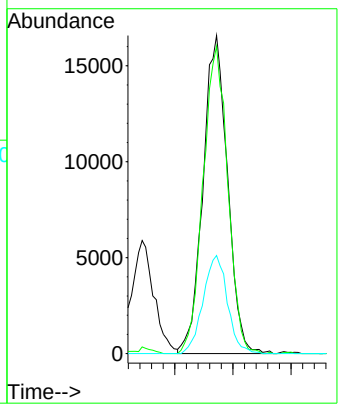


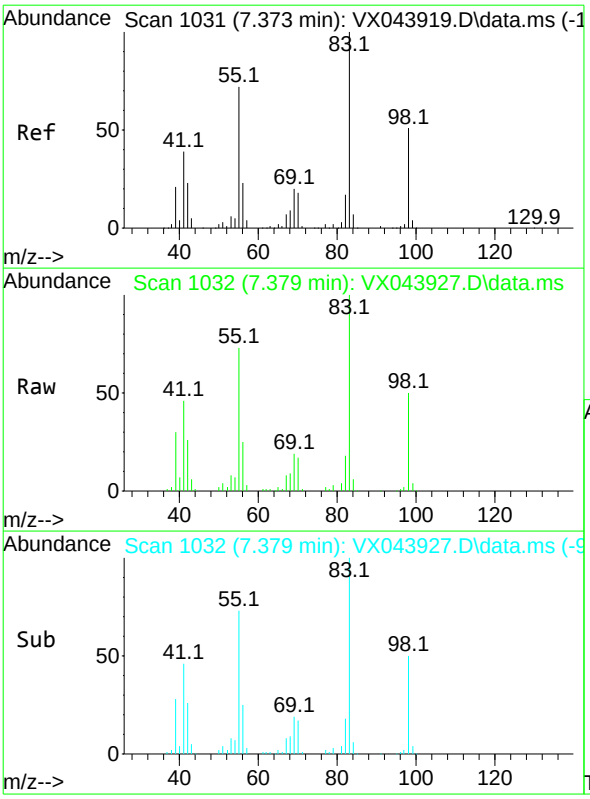


#38
Carbon Tetrachloride
Concen: 22.179 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:117 Resp: 48701

Ion	Ratio	Lower	Upper
117	100		
119	96.6	78.3	117.5
121	30.8	25.1	37.7

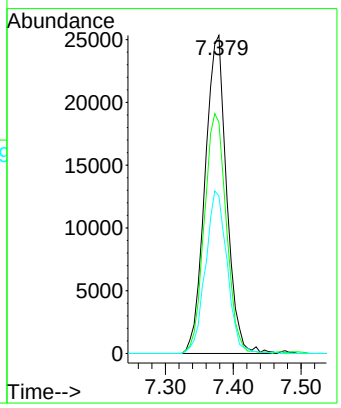




#39
Methylcyclohexane
Concen: 21.551 ug/l
RT: 7.379 min Scan# 10
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 83 Resp: 55958

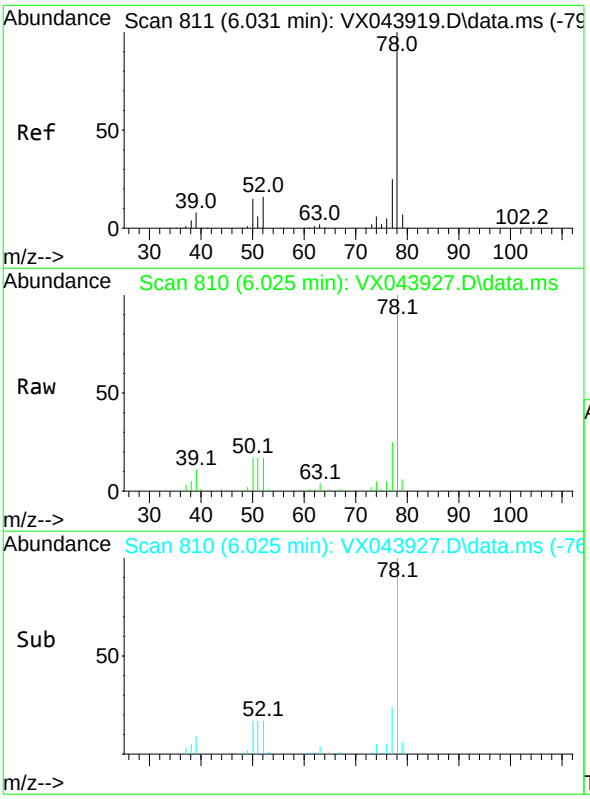
Ion	Ratio	Lower	Upper
83	100		
55	72.7	57.9	86.9
98	49.5	40.5	60.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

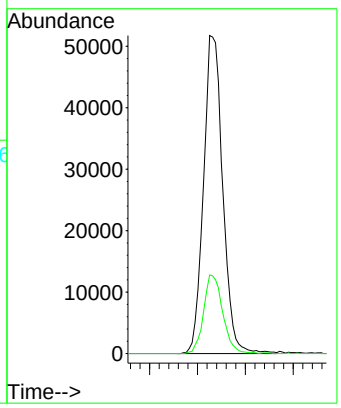
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

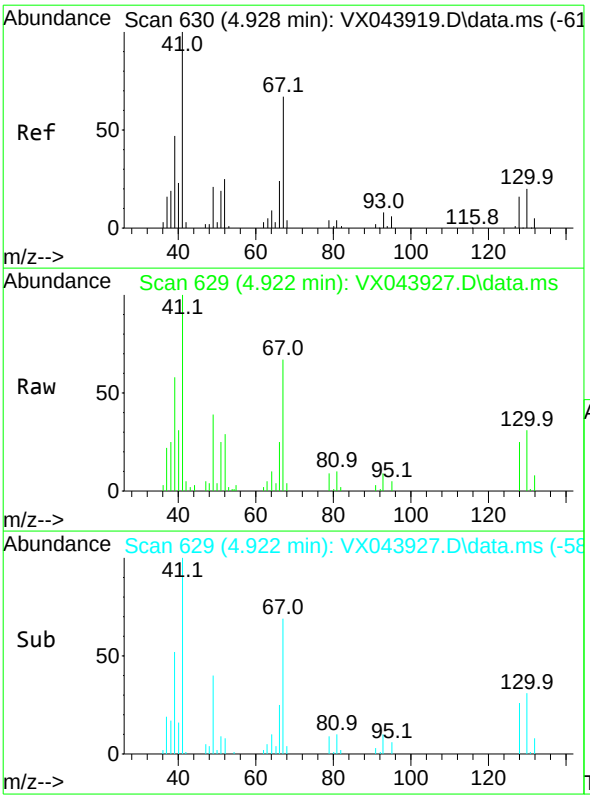


#40
Benzene
Concen: 22.144 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 78 Resp: 144401

Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.8	29.8

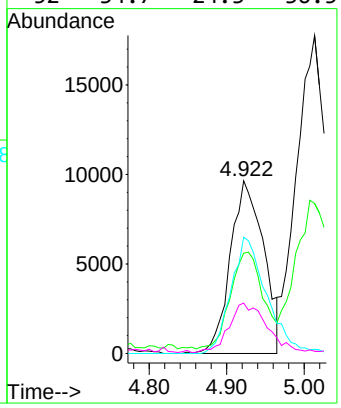




#41
Methacrylonitrile
Concen: 23.789 ug/l
RT: 4.922 min Scan# 62
Delta R.T. -0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 41 Resp: 28938

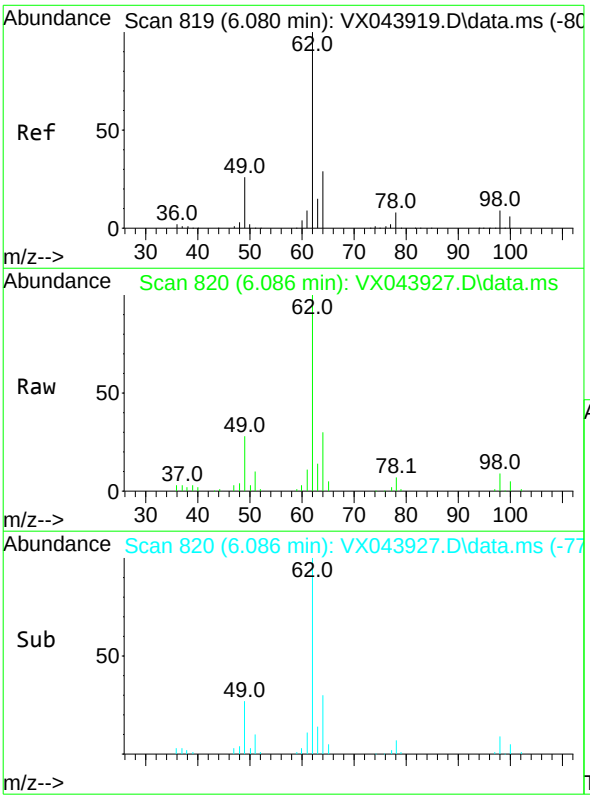
Ion	Ratio	Lower	Upper
41	100		
39	55.1	41.2	61.8
67	72.7	60.3	90.5
52	34.7	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

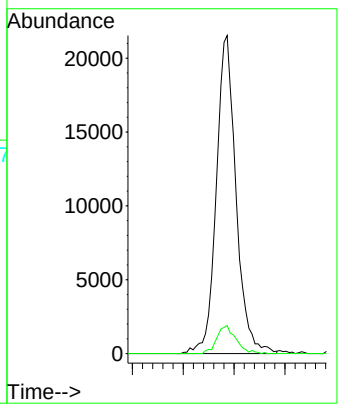
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

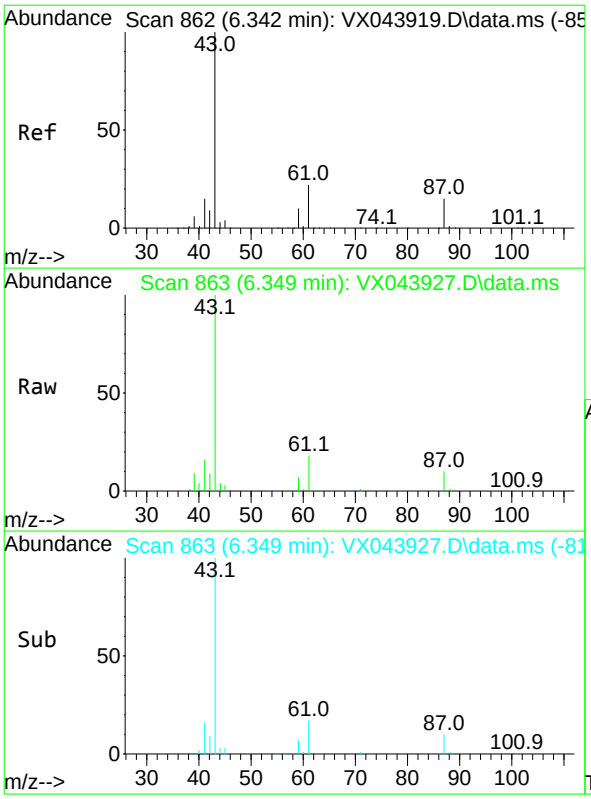


#42
1,2-Dichloroethane
Concen: 24.487 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 62 Resp: 57981

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	18.6

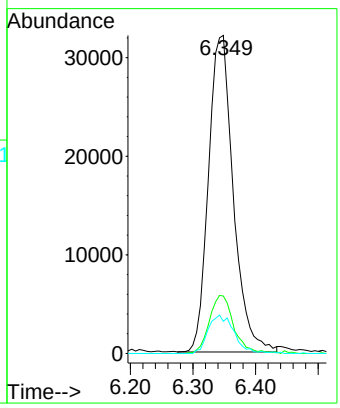




#43
Isopropyl Acetate
Concen: 24.054 ug/l
RT: 6.349 min Scan# 86
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 43 Resp: 88577

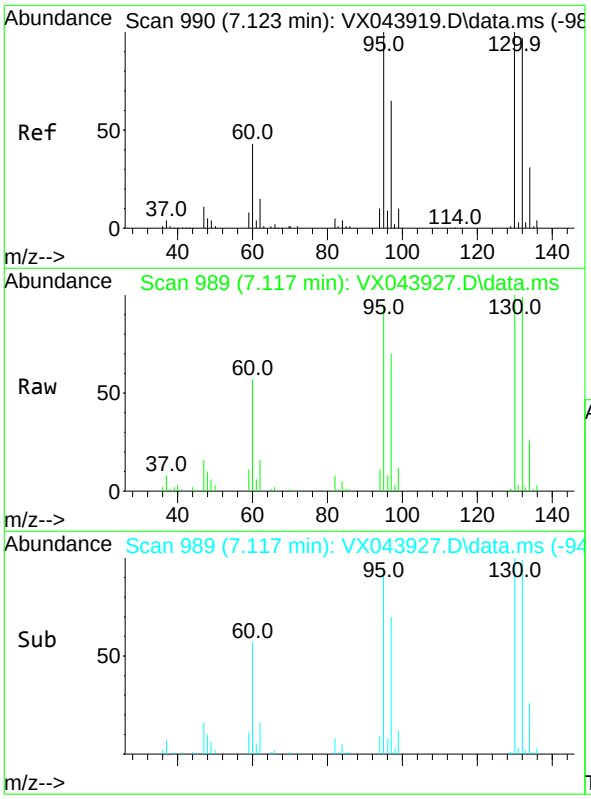
Ion	Ratio	Lower	Upper
43	100		
61	17.9	16.9	25.3
87	12.6	11.9	17.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

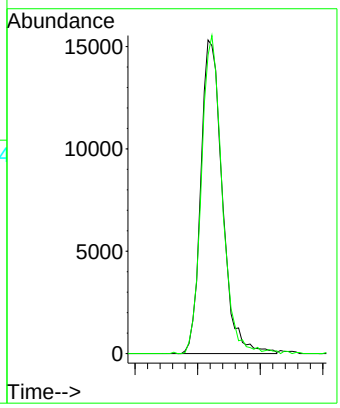
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

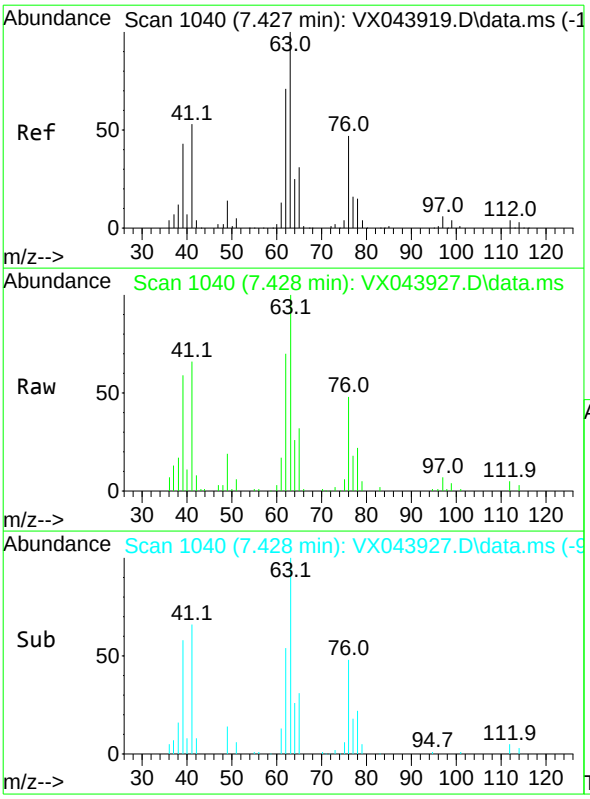


#44
Trichloroethene
Concen: 20.270 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:130 Resp: 36440

Ion	Ratio	Lower	Upper
130	100		
95	95.2	0.0	200.8

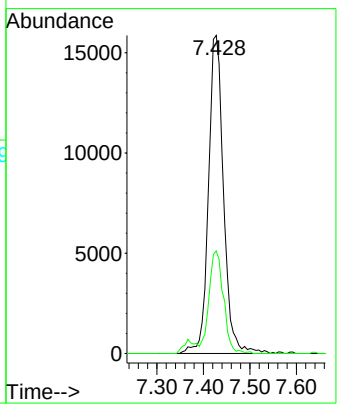




#45
1,2-Dichloropropane
Concen: 22.394 ug/l
RT: 7.428 min Scan# 10
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 63 Resp: 35791

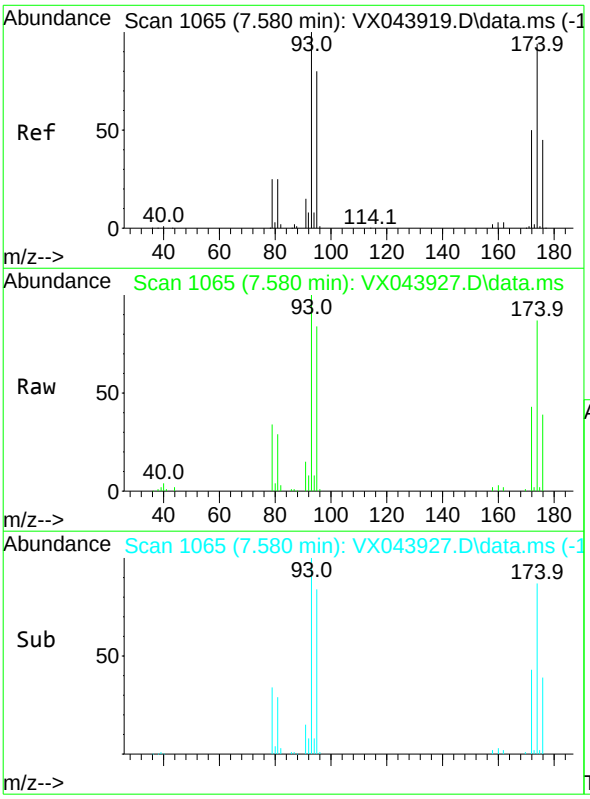
Ion	Ratio	Lower	Upper
63	100		
65	32.2	24.5	36.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

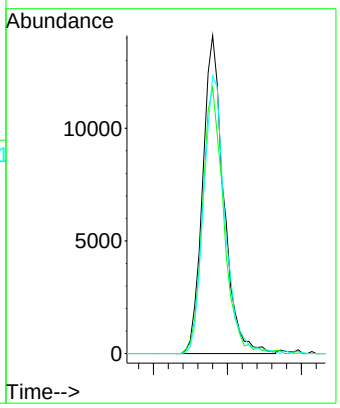
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

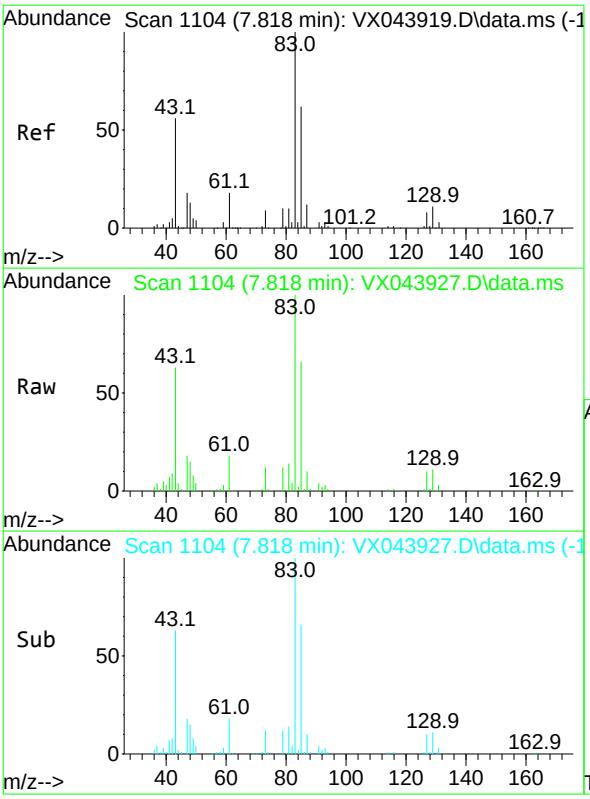


#46
Dibromomethane
Concen: 23.082 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 93 Resp: 27799

Ion	Ratio	Lower	Upper
93	100		
95	84.4	66.1	99.1
174	89.0	75.2	112.8

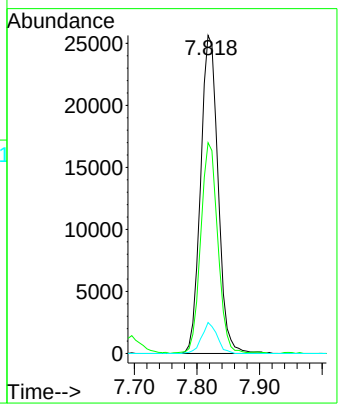




#47
Bromodichloromethane
Concen: 23.471 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 83 Resp: 49665

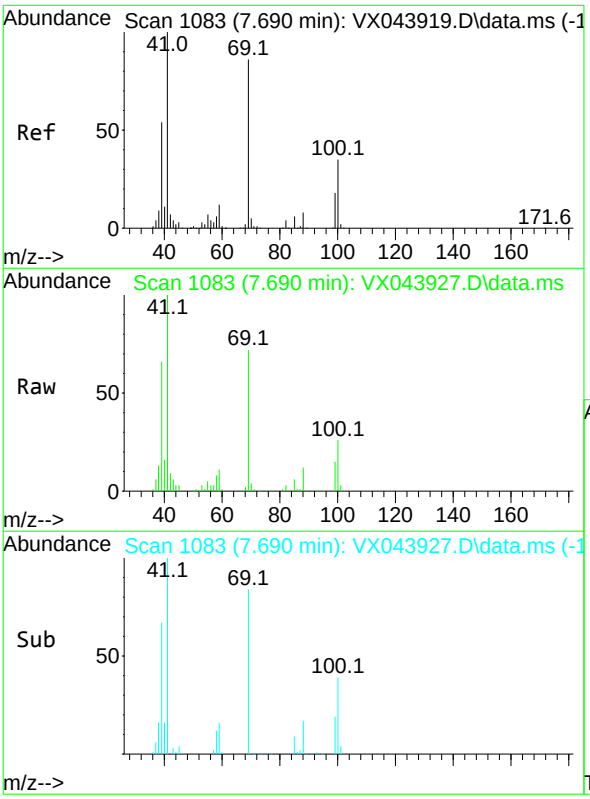
Ion	Ratio	Lower	Upper
83	100		
85	66.3	49.4	74.0
127	9.7	6.2	9.4#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

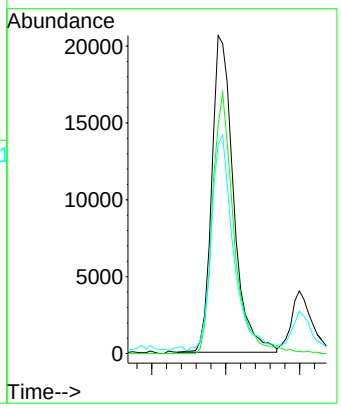
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

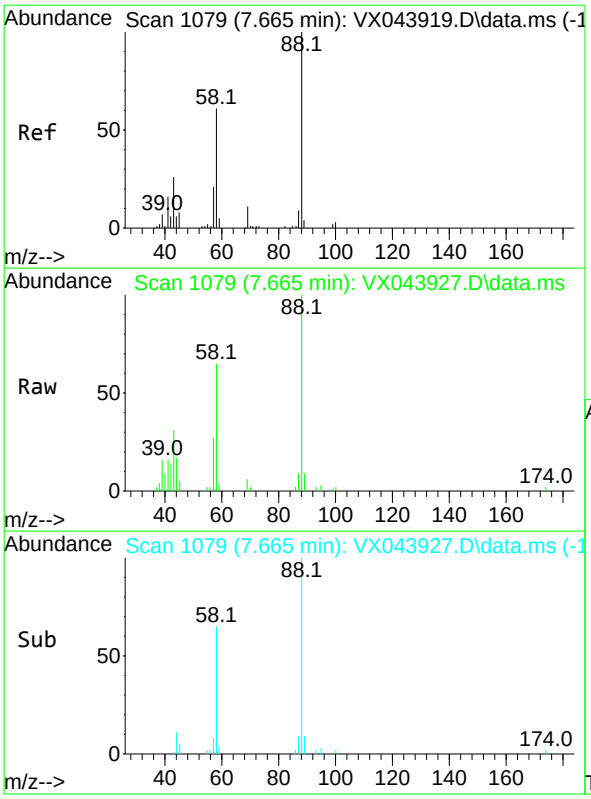


#48
Methyl methacrylate
Concen: 22.991 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 41 Resp: 41962

Ion	Ratio	Lower	Upper
41	100		
69	81.5	72.1	108.1
39	69.6	43.8	65.8#

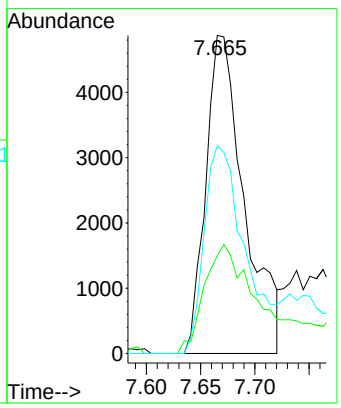




#49
1,4-Dioxane
Concen: 310.503 ug/l
RT: 7.665 min Scan# 10
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 88 Resp: 12071

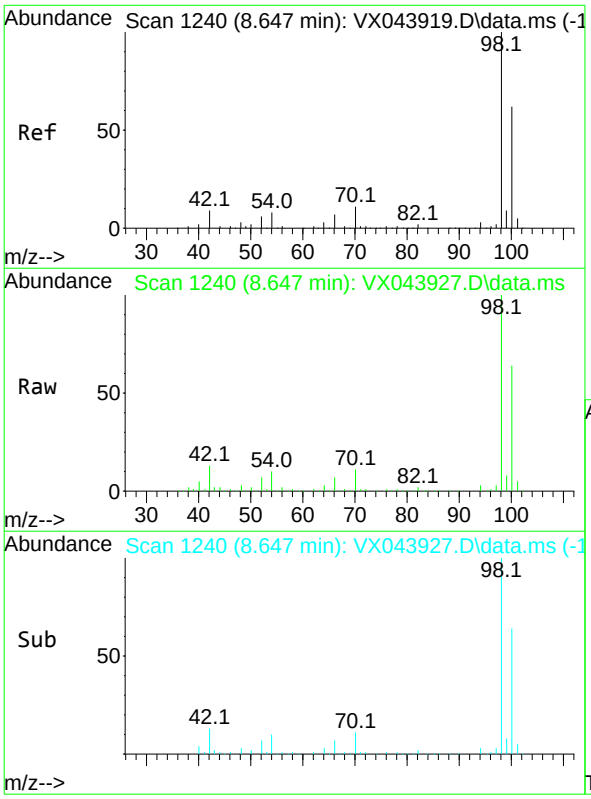
Ion	Ratio	Lower	Upper
88	100		
43	52.5	17.4	26.0#
58	69.7	41.0	61.6#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

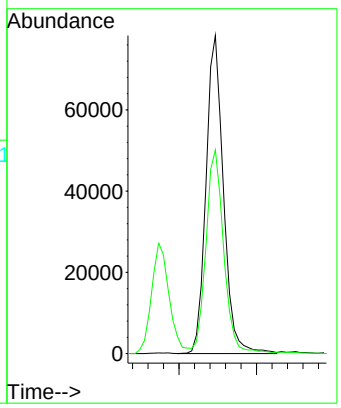
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

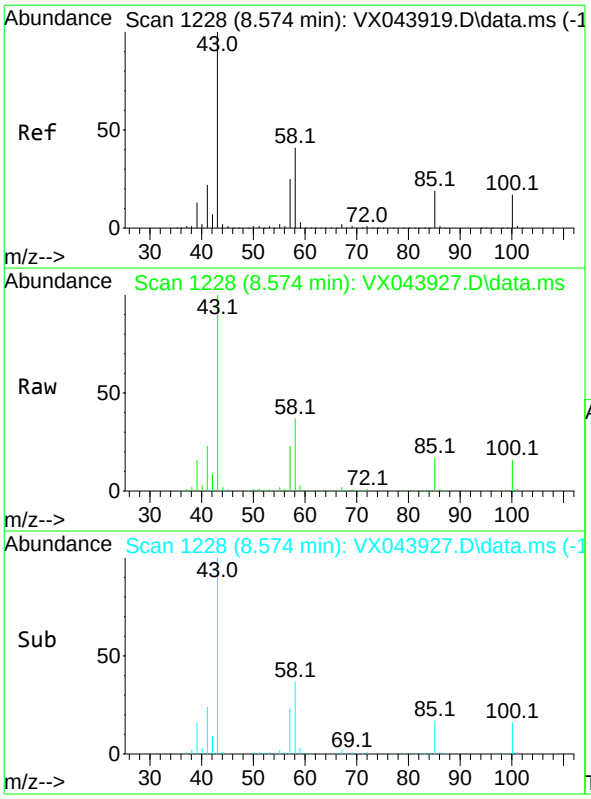


#50
Toluene-d8
Concen: 22.060 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 98 Resp: 122646

Ion	Ratio	Lower	Upper
98	100		
100	63.8	53.0	79.6

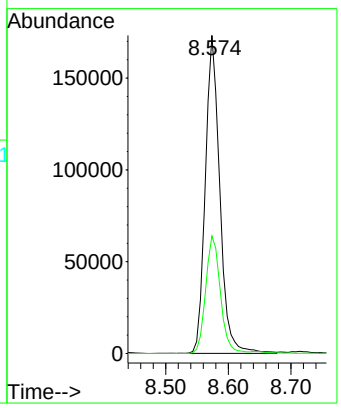




#51
4-Methyl-2-Pentanone
Concen: 121.285 ug/l
RT: 8.574 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 43 Resp: 278479

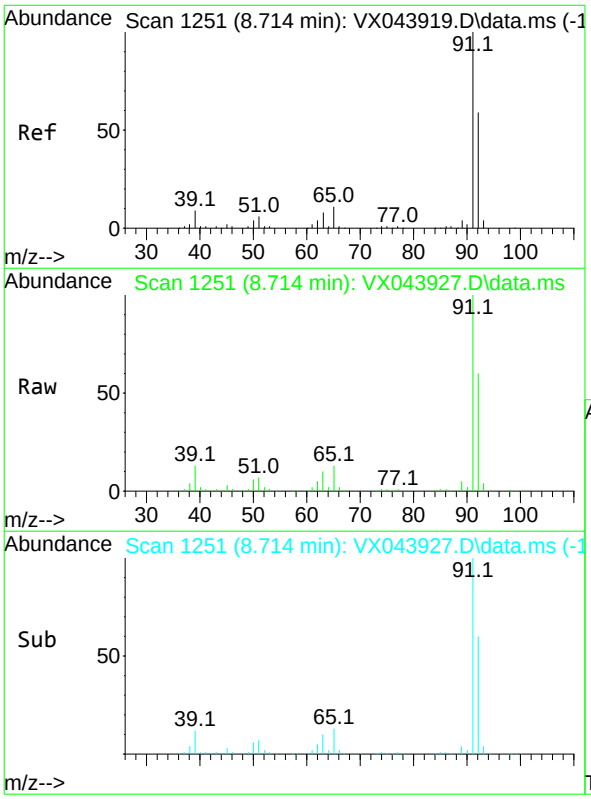
Ion	Ratio	Lower	Upper
43	100		
58	37.6	32.4	48.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

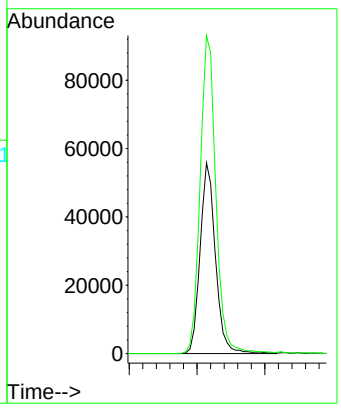
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

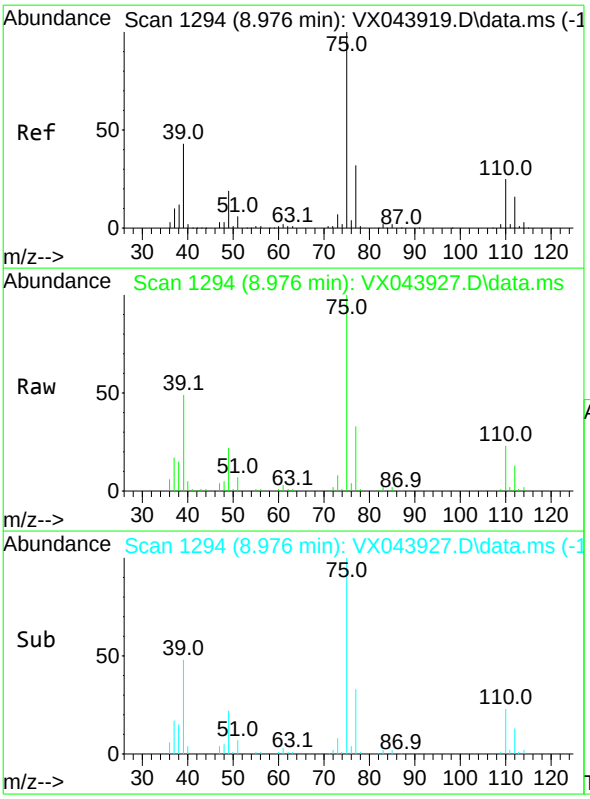


#52
Toluene
Concen: 23.277 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 92 Resp: 87569

Ion	Ratio	Lower	Upper
92	100		
91	171.0	136.2	204.4

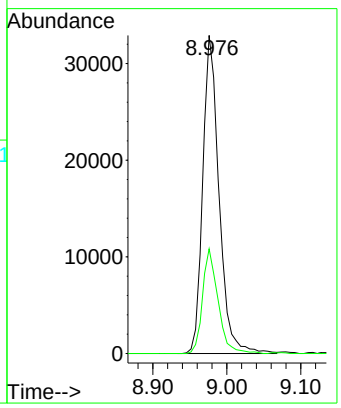




#53
t-1,3-Dichloropropene
Concen: 23.425 ug/l
RT: 8.976 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 75 Resp: 50294

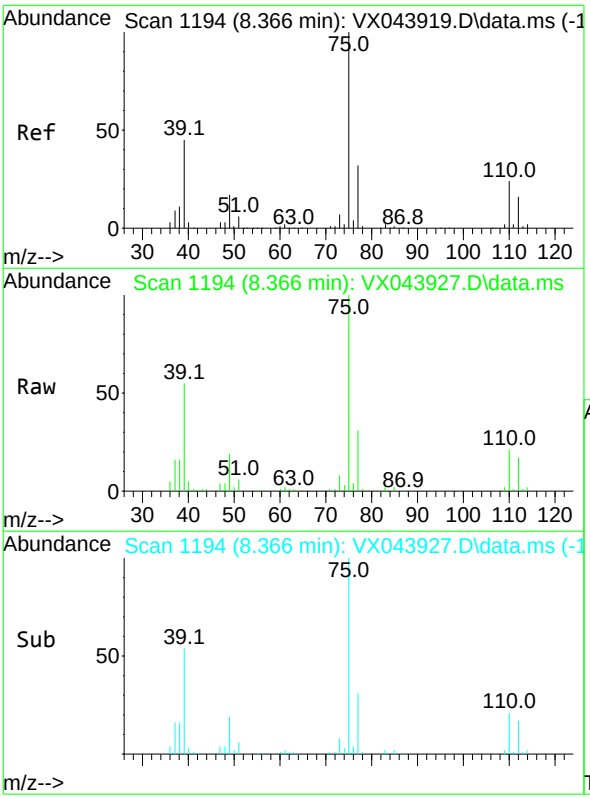
Ion	Ratio	Lower	Upper
75	100		
77	32.9	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

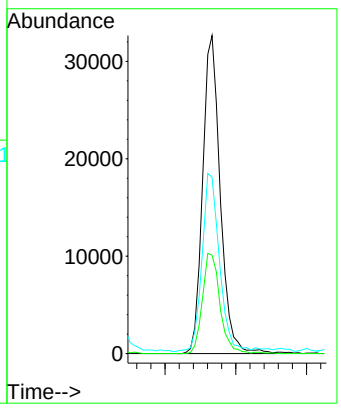
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

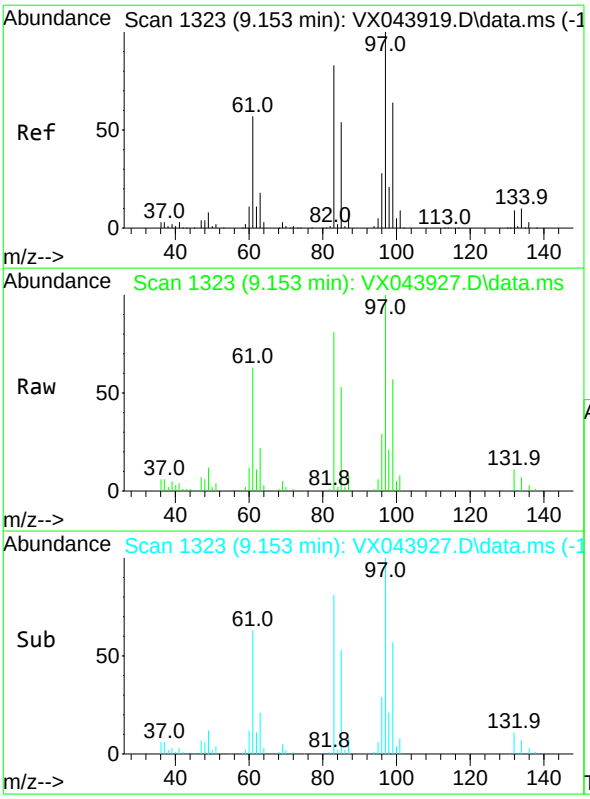


#54
cis-1,3-Dichloropropene
Concen: 23.184 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 75 Resp: 56407

Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.4	38.2
39	54.6	36.1	54.1#

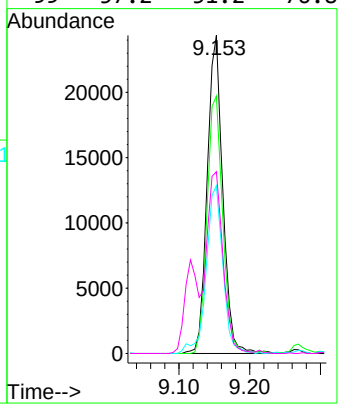




#55
1,1,2-Trichloroethane
Concen: 25.308 ug/l
RT: 9.153 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 97 Resp: 37148

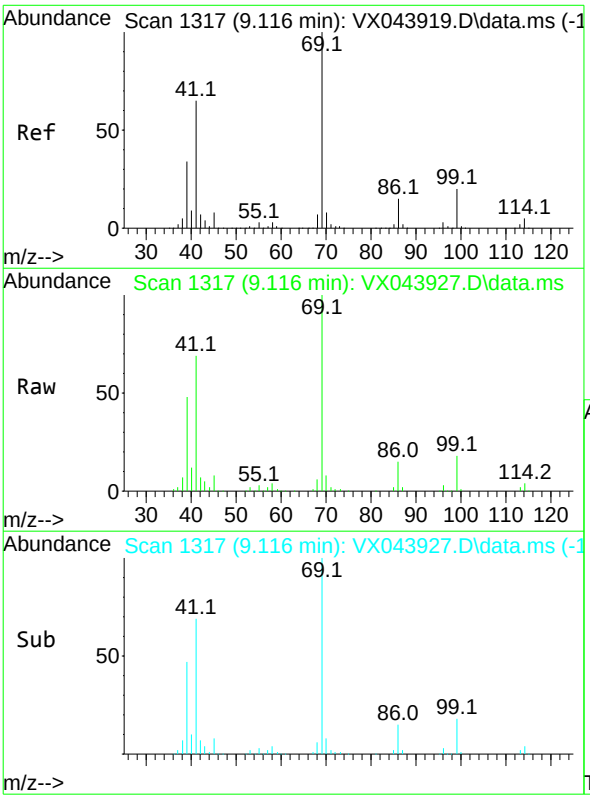
Ion	Ratio	Lower	Upper
97	100		
83	81.0	66.5	99.7
85	52.7	43.4	65.2
99	57.2	51.2	76.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

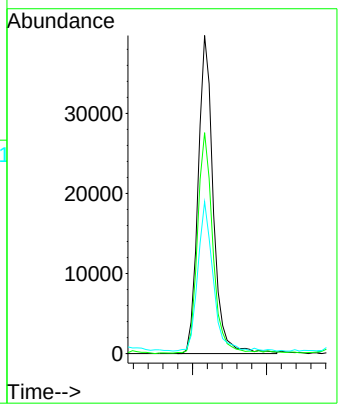
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

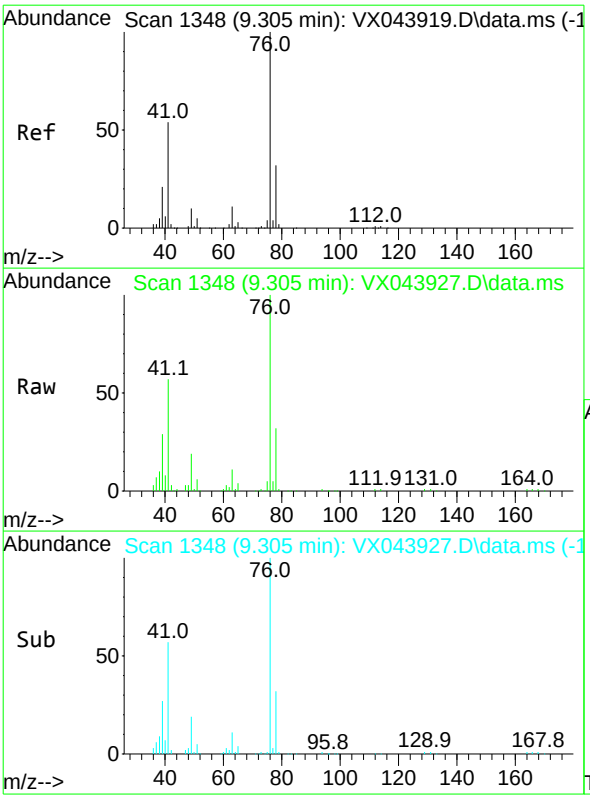


#56
Ethyl methacrylate
Concen: 24.347 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 69 Resp: 56585

Ion	Ratio	Lower	Upper
69	100		
41	70.0	51.7	77.5
39	46.7	26.8	40.2#

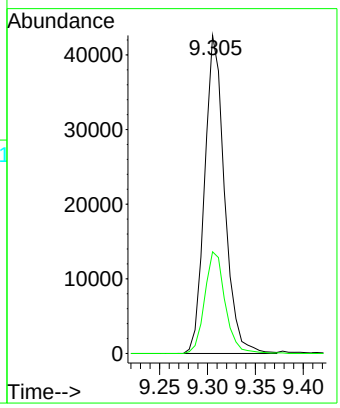




#57
1,3-Dichloropropane
Concen: 24.976 ug/l
RT: 9.305 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 76 Resp: 61420

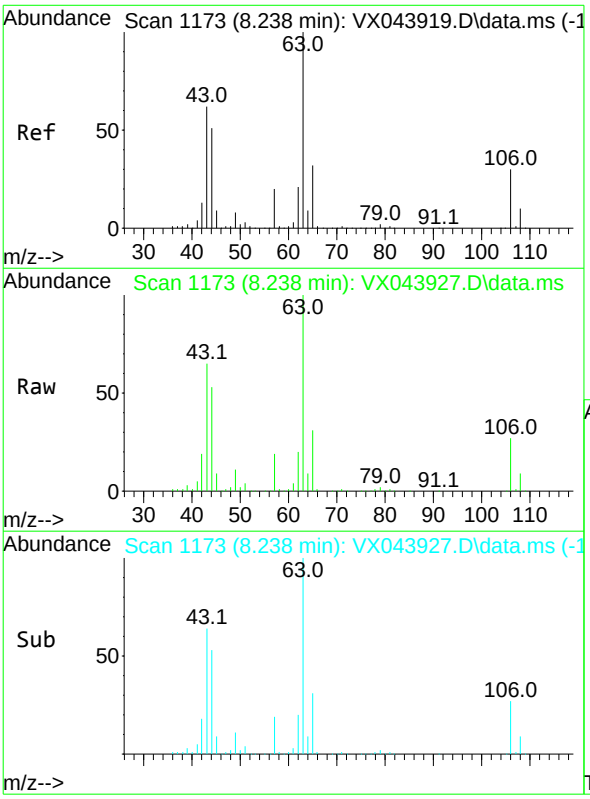
Ion	Ratio	Lower	Upper
76	100		
78	33.0	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

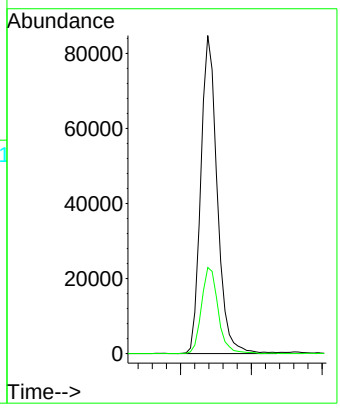
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

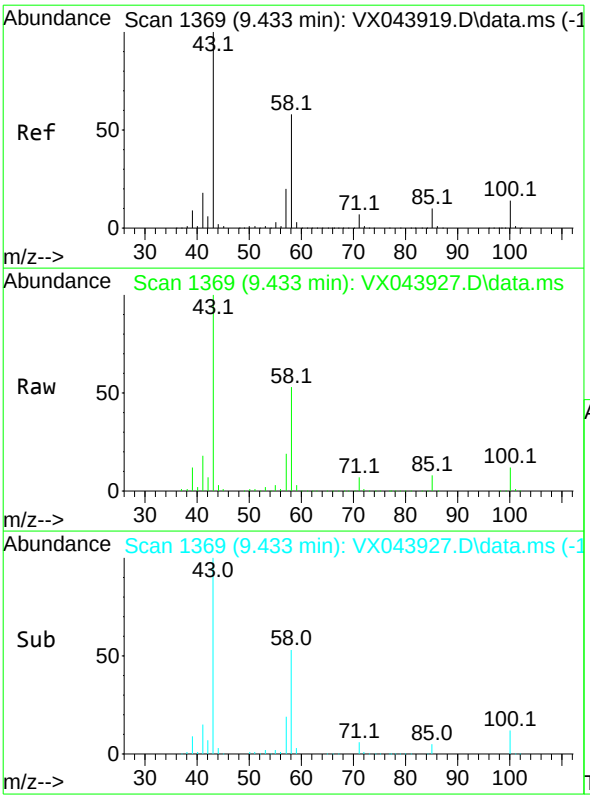


#58
2-Chloroethyl Vinyl ether
Concen: 112.277 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 63 Resp: 136842

Ion	Ratio	Lower	Upper
63	100		
106	27.4	23.8	35.6

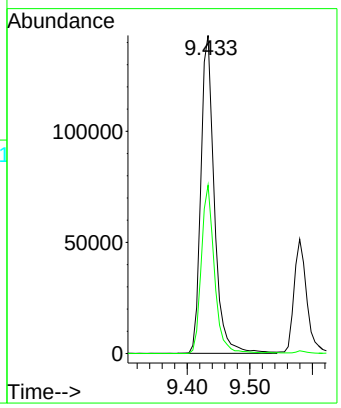




#59
2-Hexanone
Concen: 131.869 ug/l
RT: 9.433 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 43 Resp: 213629

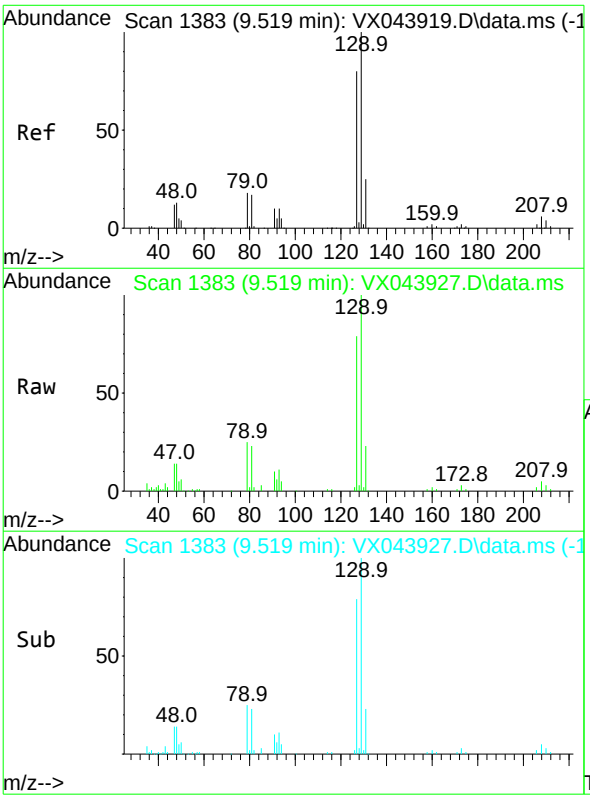
Ion	Ratio	Lower	Upper
43	100		
58	51.6	28.3	84.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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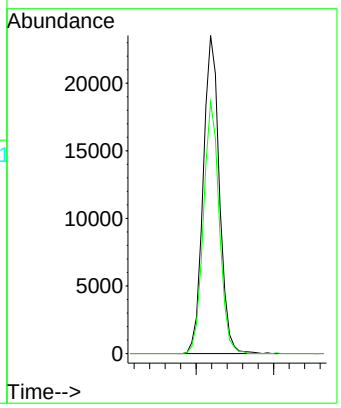
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

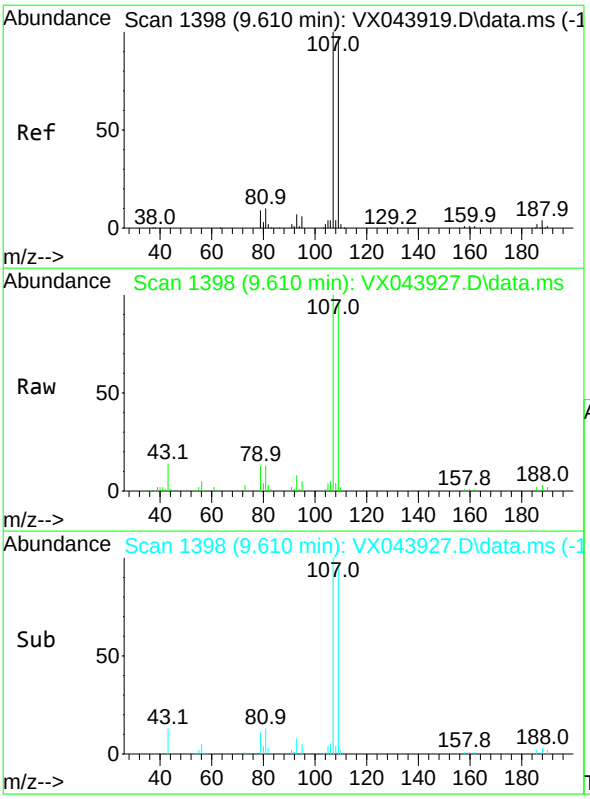


#60
Dibromochloromethane
Concen: 23.864 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:129 Resp: 34133

Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.6	115.8

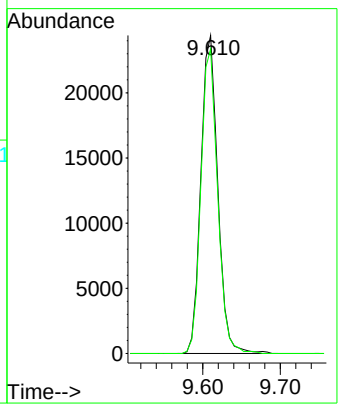




#61
1,2-Dibromoethane
Concen: 24.156 ug/l
RT: 9.610 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:107 Resp: 36985

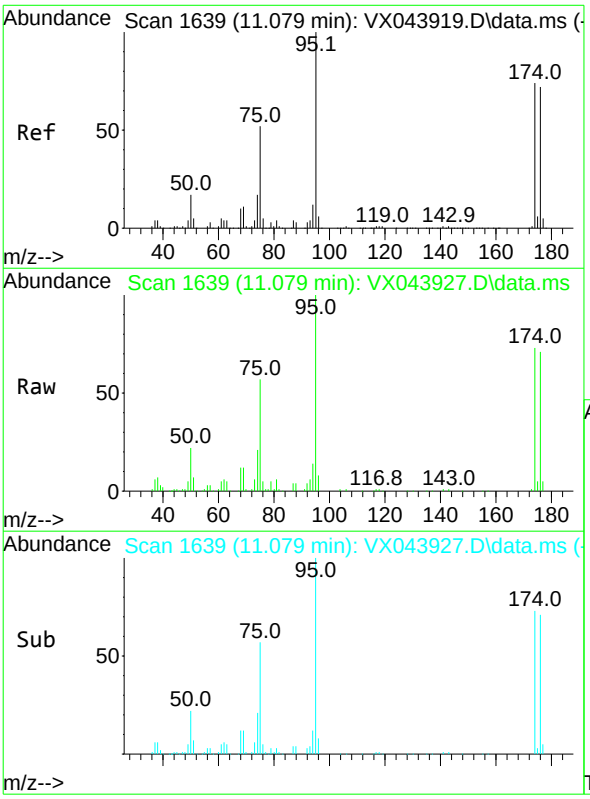
Ion	Ratio	Lower	Upper
107	100		
109	94.7	76.2	114.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

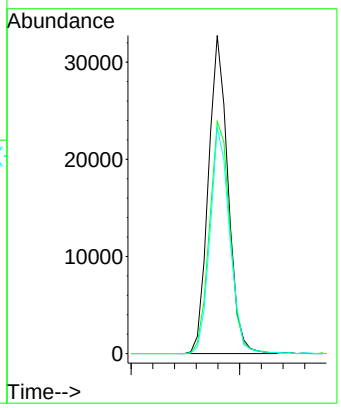
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

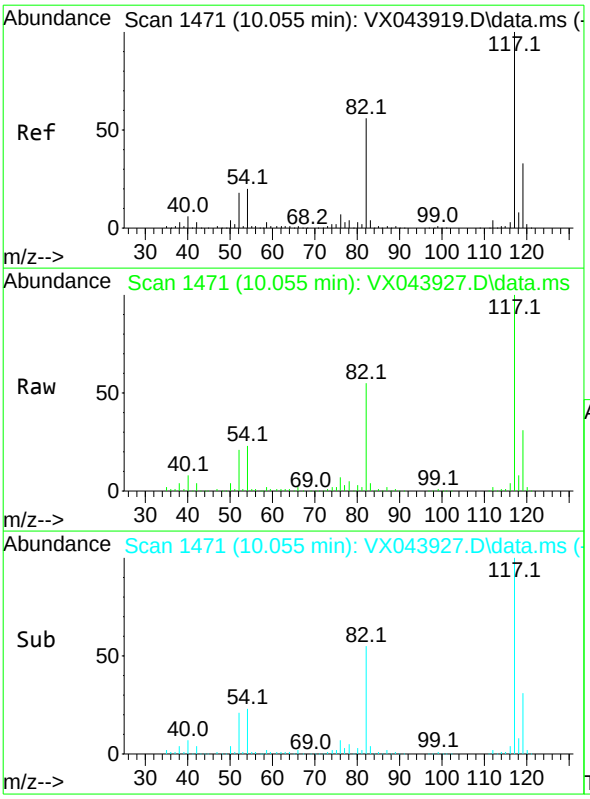


#62
4-Bromofluorobenzene
Concen: 22.365 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 95 Resp: 41087

Ion	Ratio	Lower	Upper
95	100		
174	76.2	0.0	152.2
176	71.1	0.0	145.8

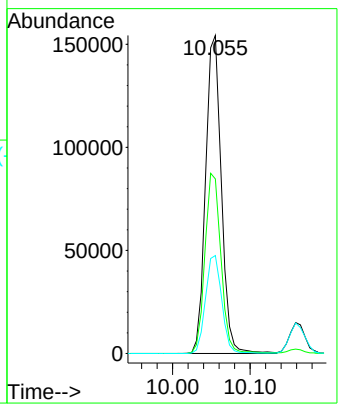




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:117 Resp: 217871

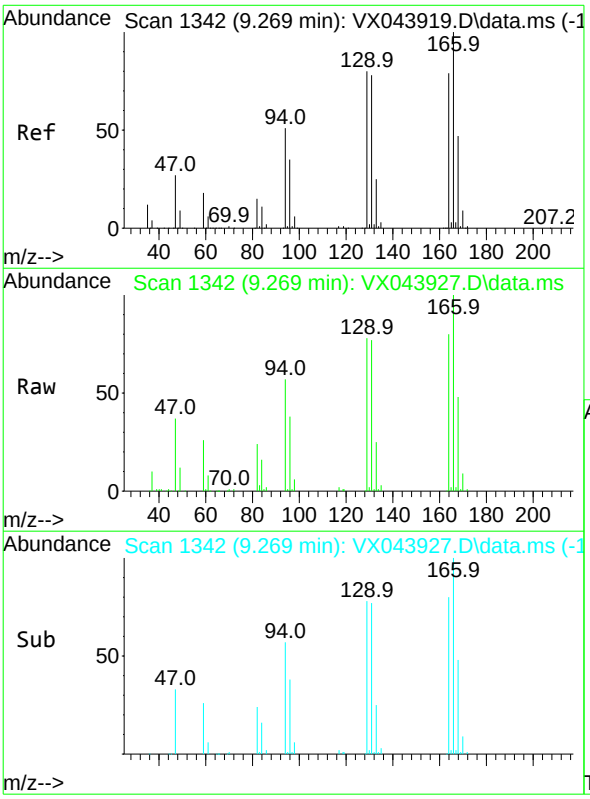
Ion	Ratio	Lower	Upper
117	100		
82	54.9	44.6	67.0
119	30.8	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

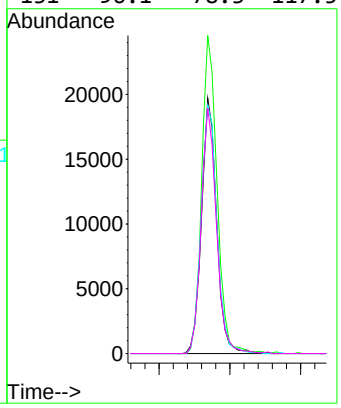
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

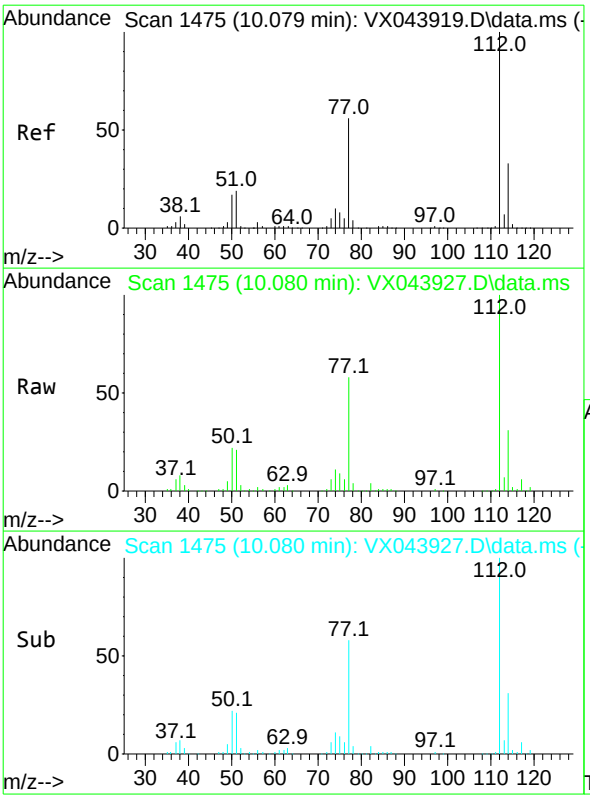


#64
Tetrachloroethene
Concen: 20.948 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:164 Resp: 29274

Ion	Ratio	Lower	Upper
164	100		
166	124.6	100.9	151.3
129	97.2	80.3	120.5
131	96.1	78.3	117.5

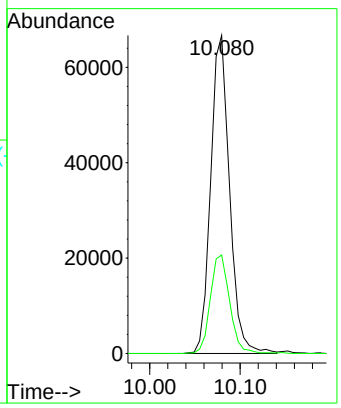




#65
Chlorobenzene
Concen: 21.197 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:112 Resp: 96469

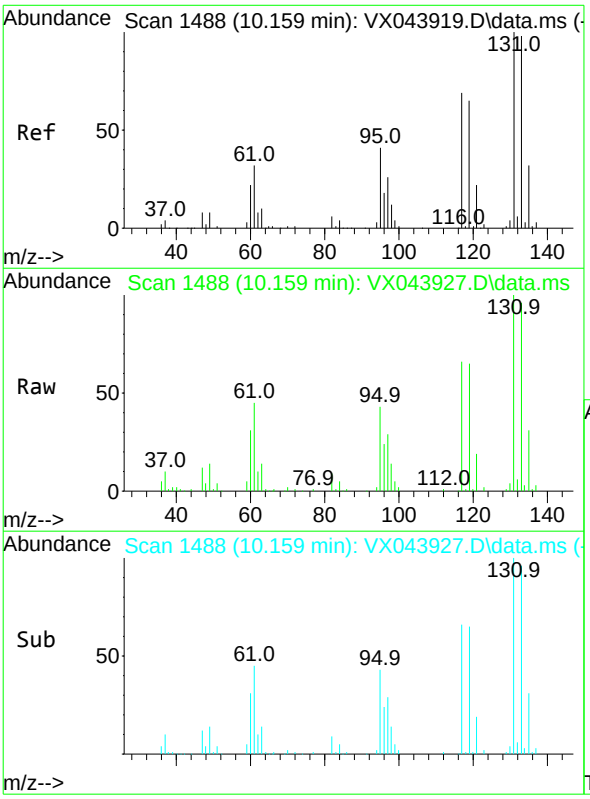
Ion	Ratio	Lower	Upper
112	100		
114	31.0	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

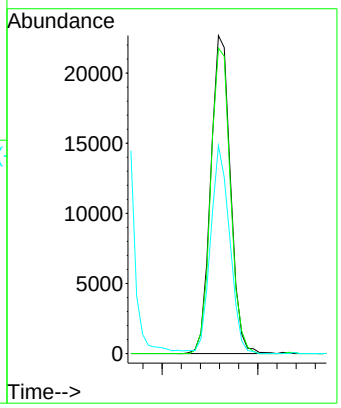
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

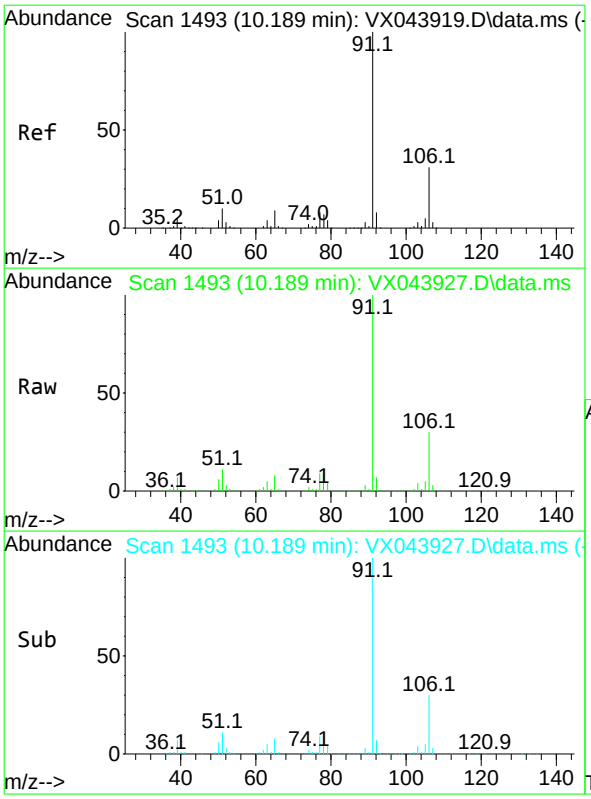


#66
1,1,1,2-Tetrachloroethane
Concen: 21.360 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:131 Resp: 32353

Ion	Ratio	Lower	Upper
131	100		
133	96.2	48.8	146.3
119	63.7	32.9	98.7





#67
Ethyl Benzene
Concen: 21.731 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

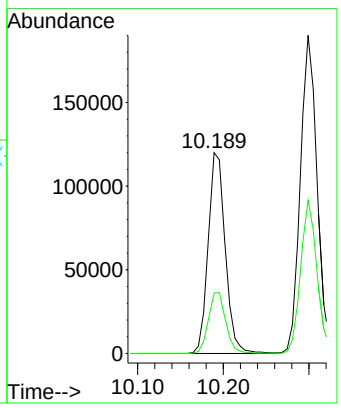
Tgt Ion: 91 Resp: 166435

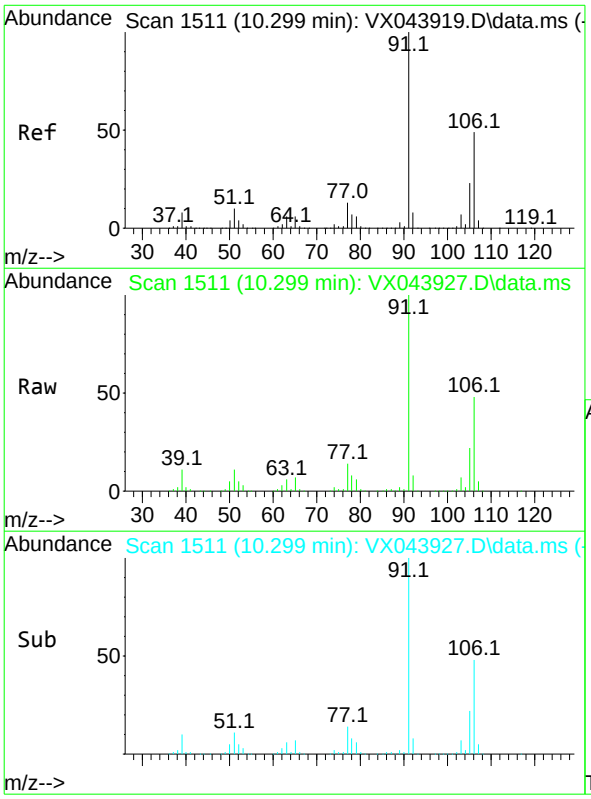
Ion	Ratio	Lower	Upper
91	100		
106	30.1	25.0	37.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

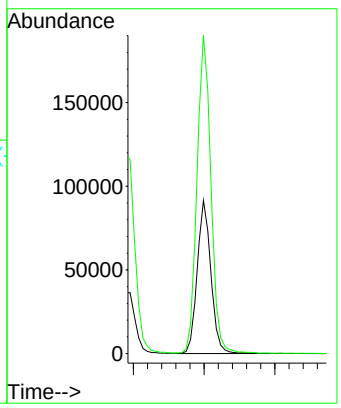


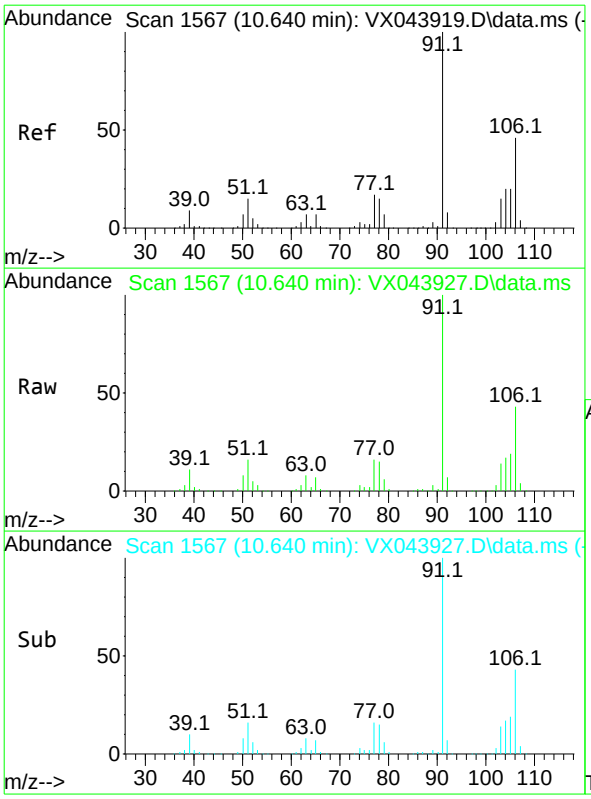


#68
m/p-Xylenes
Concen: 42.997 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:106 Resp: 122658

Ion	Ratio	Lower	Upper
106	100		
91	211.9	163.3	244.9

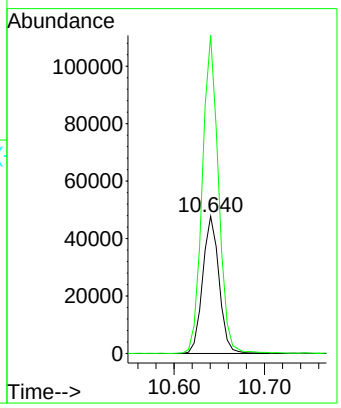




#69
o-Xylene
Concen: 21.648 ug/l
RT: 10.640 min Scan# 15
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:106 Resp: 60254

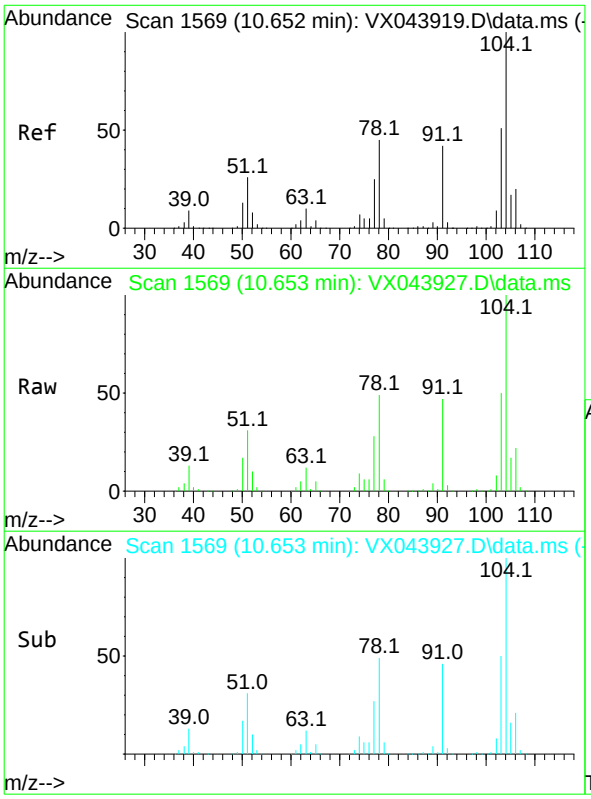
Ion	Ratio	Lower	Upper
106	100		
91	229.5	109.6	328.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

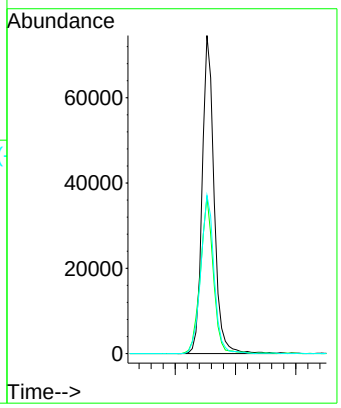
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

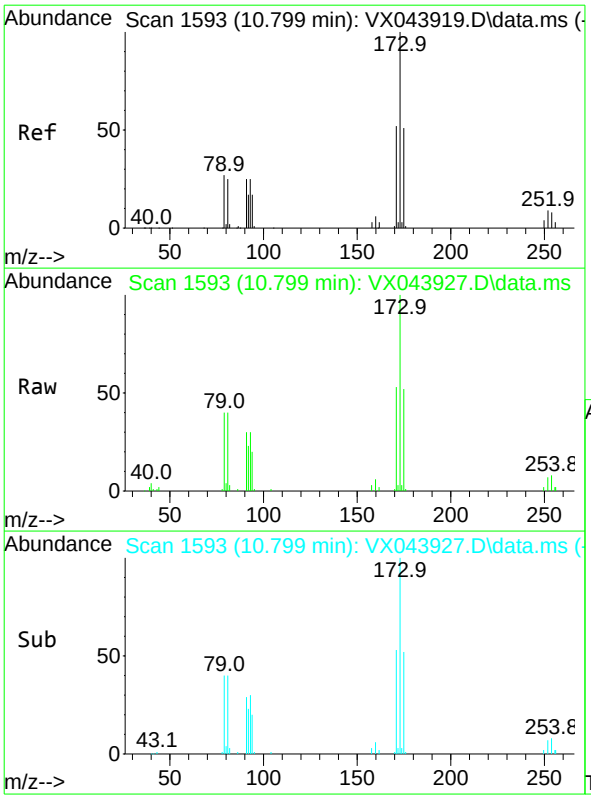


#70
Styrene
Concen: 22.308 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:104 Resp: 102329

Ion	Ratio	Lower	Upper
104	100		
78	53.5	40.3	60.5
103	55.5	43.9	65.9

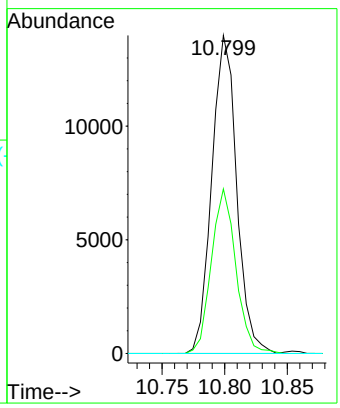




#71
Bromoform
Concen: 19.555 ug/l
RT: 10.799 min Scan# 15
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:173 Resp: 19329

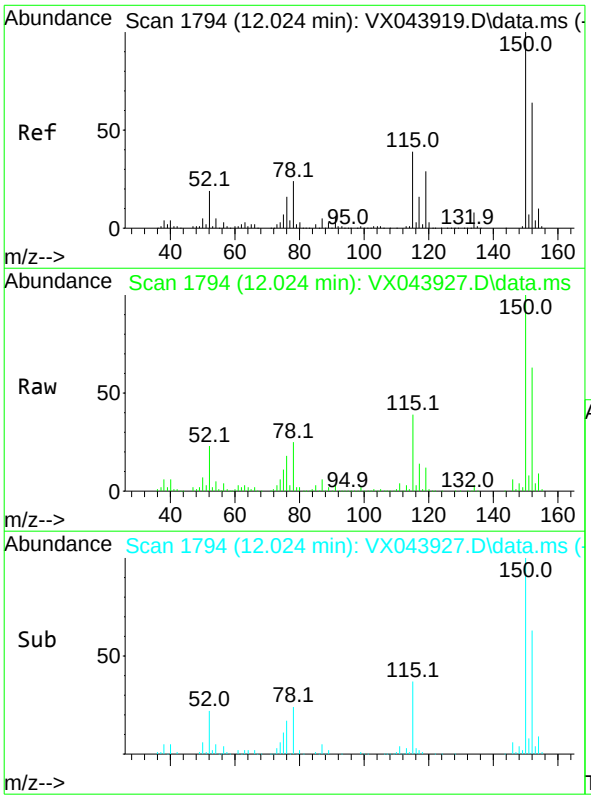
Ion	Ratio	Lower	Upper
173	100		
175	51.0	24.6	73.8
254	0.0	0.1	0.1#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

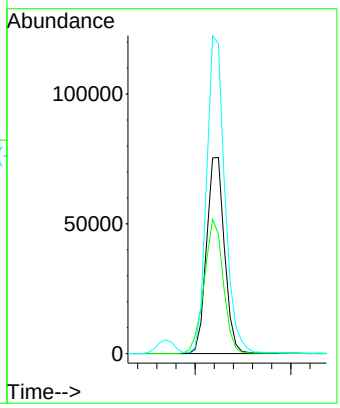
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

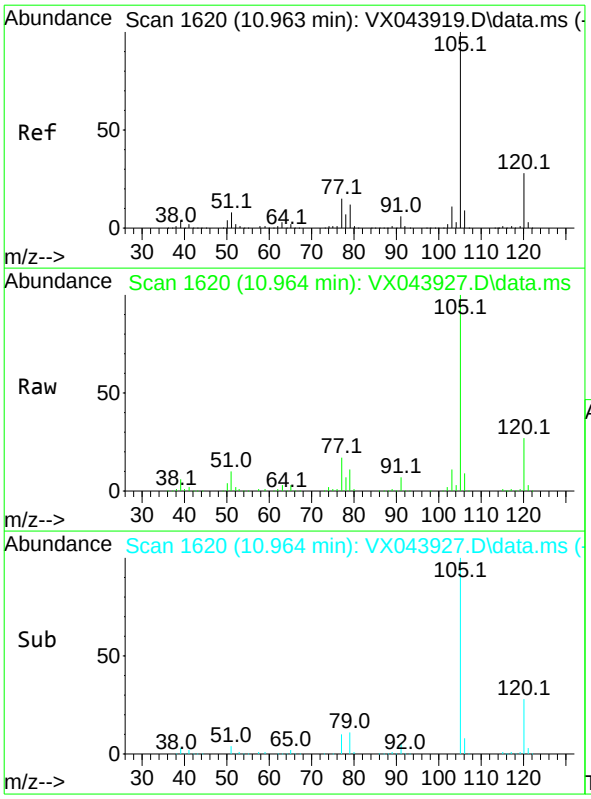


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:152 Resp: 98477

Ion	Ratio	Lower	Upper
152	100		
115	73.0	42.1	126.3
150	165.0	0.0	348.2

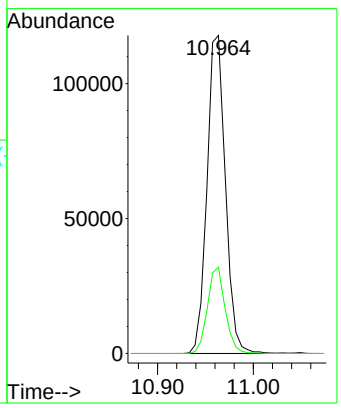




#73
Isopropylbenzene
Concen: 22.393 ug/l
RT: 10.964 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:105 Resp: 157405

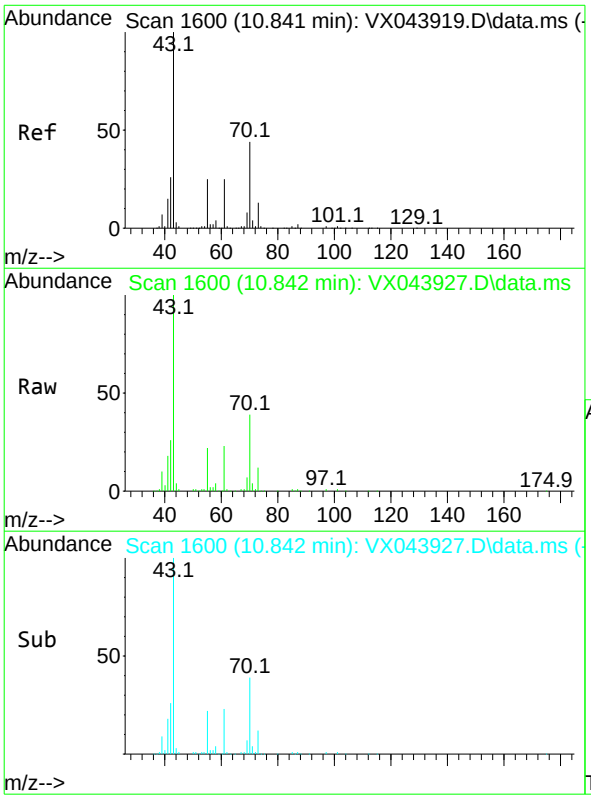
Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.3	39.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

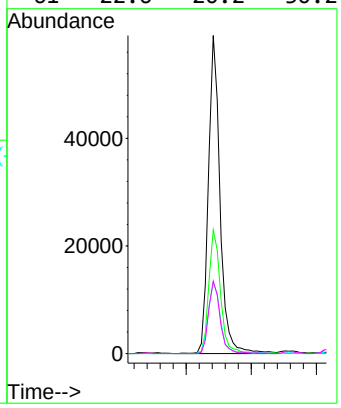
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

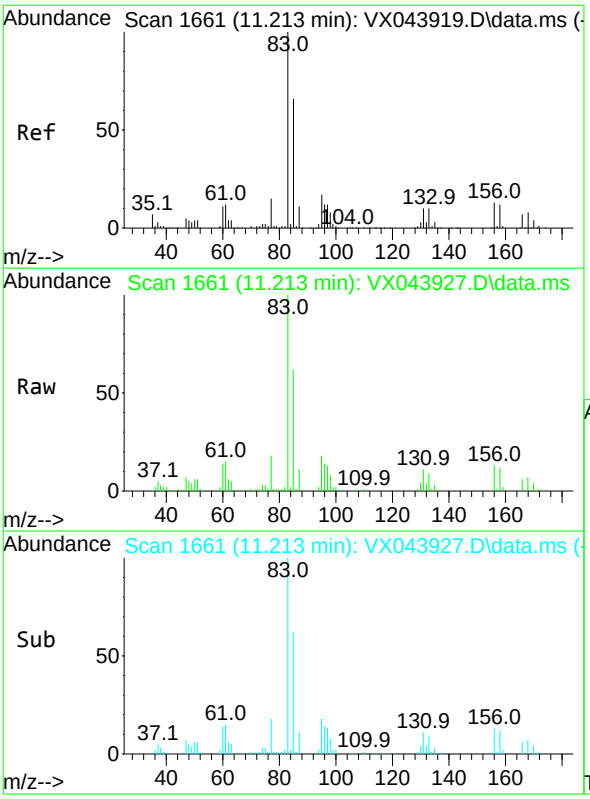


#74
N-amyl acetate
Concen: 23.459 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 43 Resp: 73525

Ion	Ratio	Lower	Upper
43	100		
70	39.1	36.5	54.7
55	23.3	19.6	29.4
61	22.6	20.2	30.2

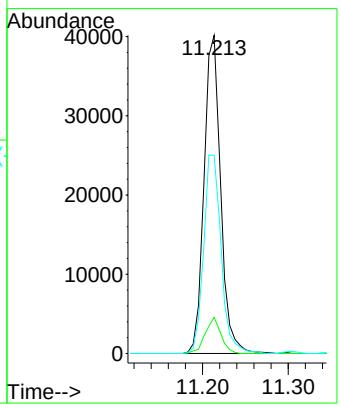




#75
1,1,2,2-Tetrachloroethane
Concen: 22.787 ug/l
RT: 11.213 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 83 Resp: 54158

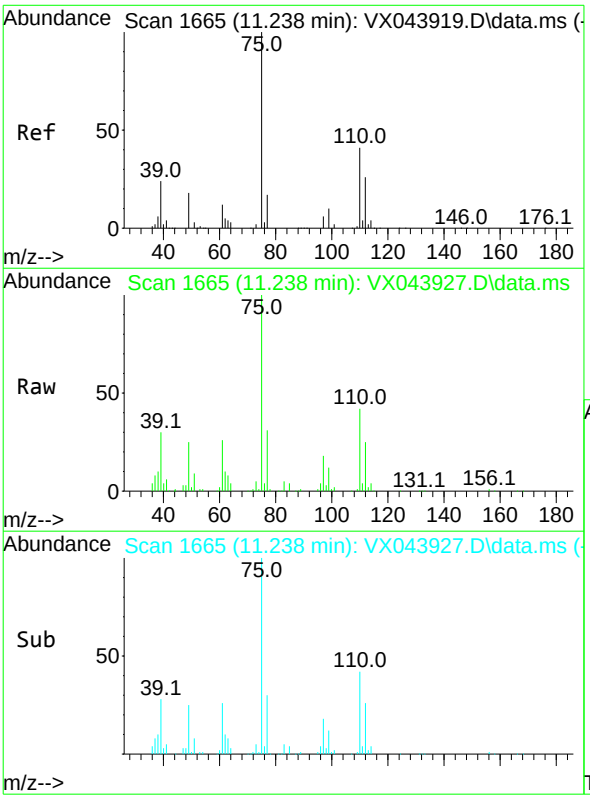
Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.1	15.3
85	65.7	32.3	96.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

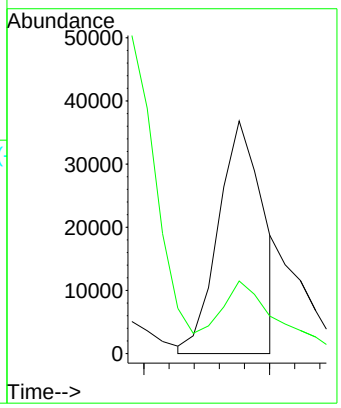
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

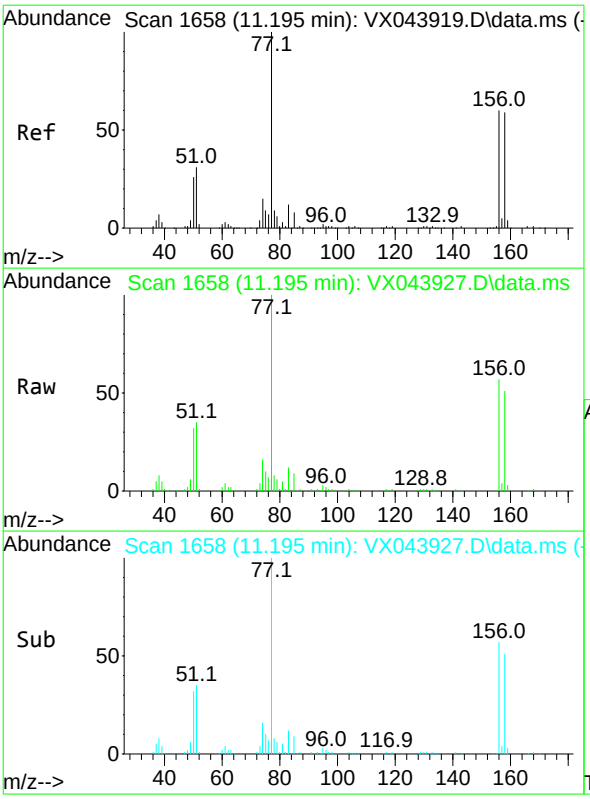


#76
1,2,3-Trichloropropane
Concen: 22.601 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 75 Resp: 45423

Ion	Ratio	Lower	Upper
75	100		
77	40.9	22.4	67.0

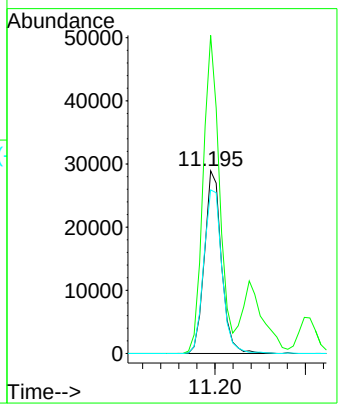




#77
Bromobenzene
Concen: 21.843 ug/l
RT: 11.195 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:156 Resp: 37631

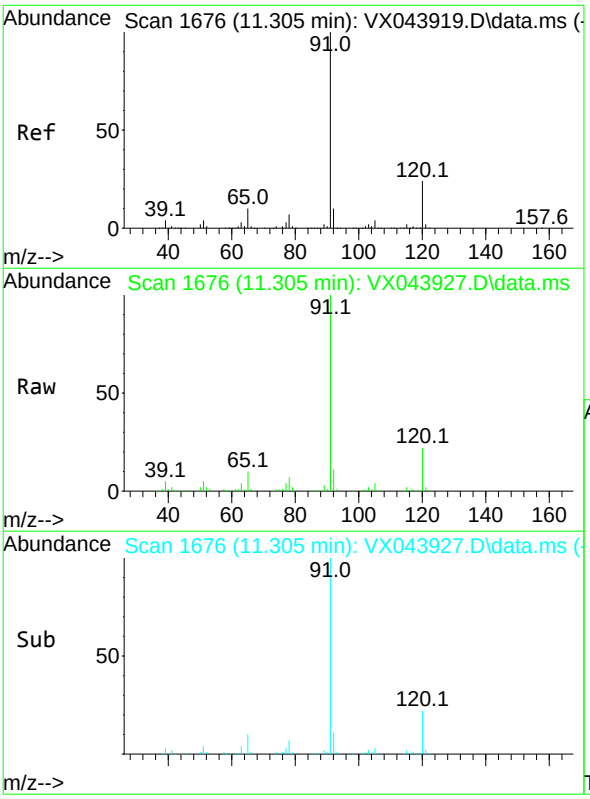
Ion	Ratio	Lower	Upper
156	100		
77	167.6	81.2	243.6
158	96.0	48.6	145.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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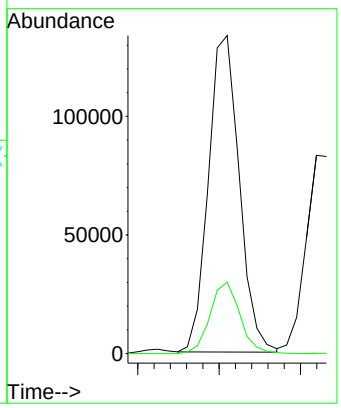
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

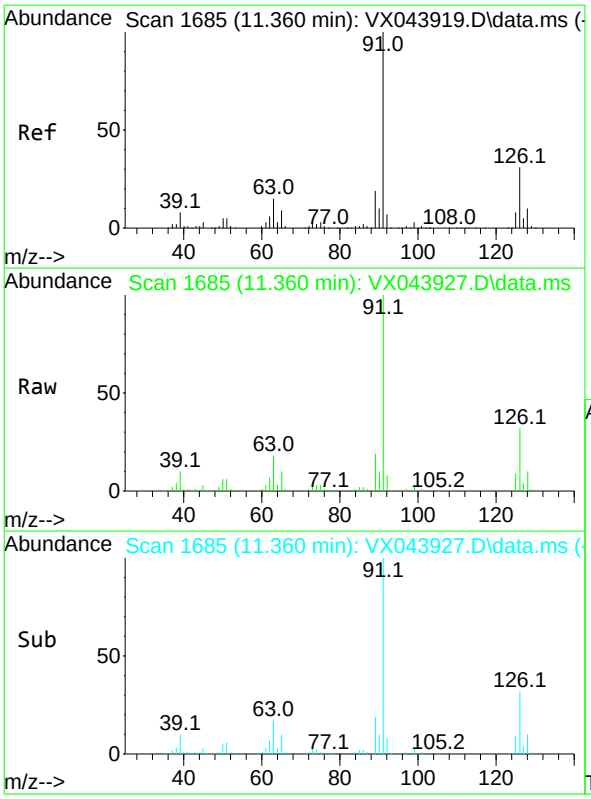


#78
n-propylbenzene
Concen: 22.696 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 91 Resp: 176034

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.5	34.5

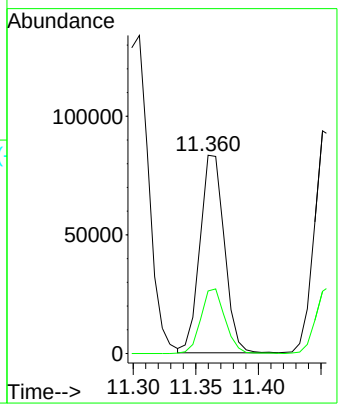




#79
2-Chlorotoluene
Concen: 22.894 ug/l
RT: 11.360 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 91 Resp: 112986

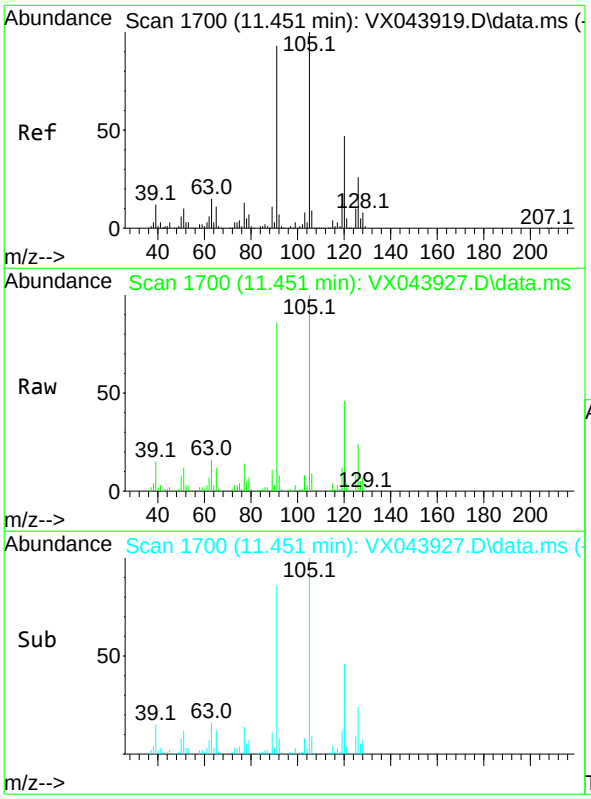
Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

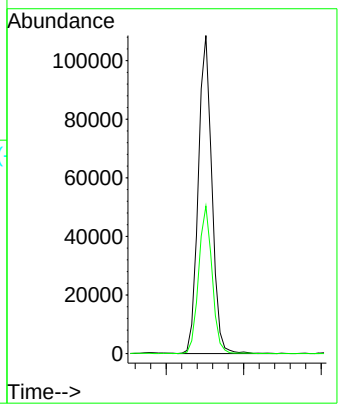
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

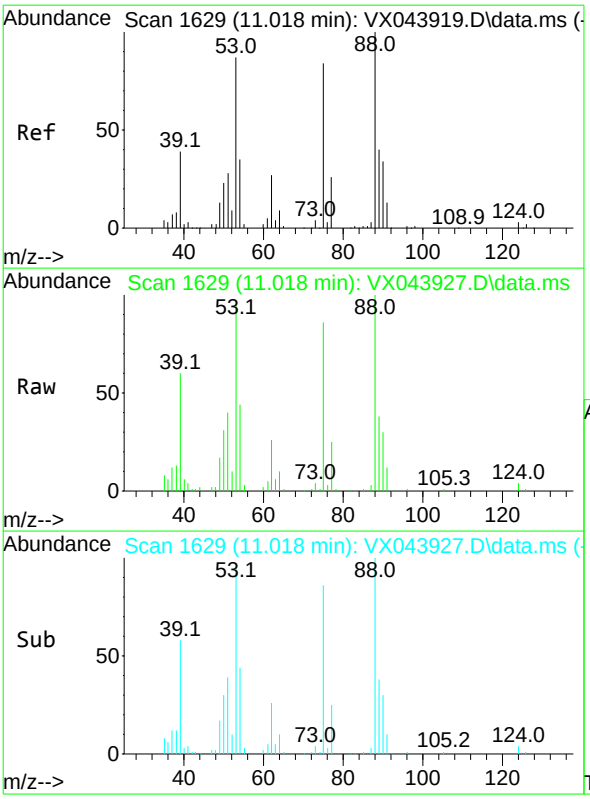


#80
1,3,5-Trimethylbenzene
Concen: 22.662 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:105 Resp: 132041

Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.8	71.5





#81
trans-1,4-Dichloro-2-butene
Concen: 20.654 ug/l
RT: 11.018 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

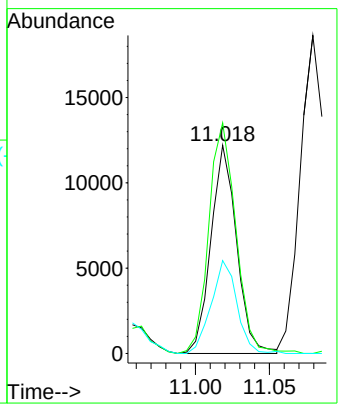
Tgt Ion: 75 Resp: 14743

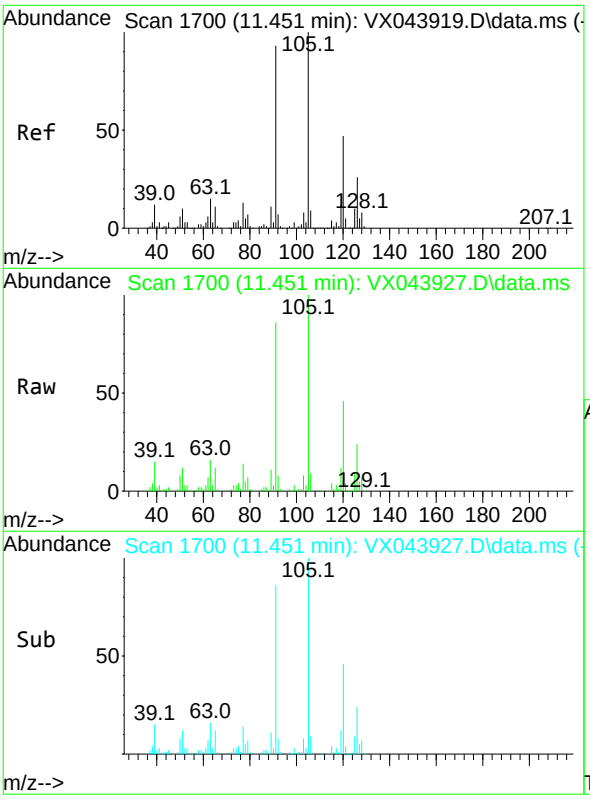
Ion	Ratio	Lower	Upper
75	100		
53	116.9	81.7	122.5
89	44.8	38.6	57.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

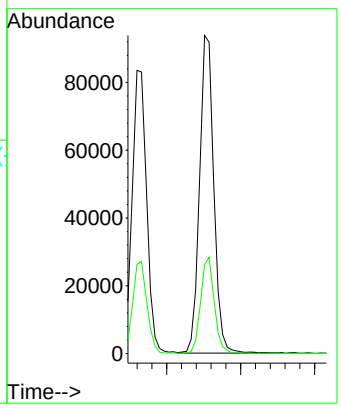


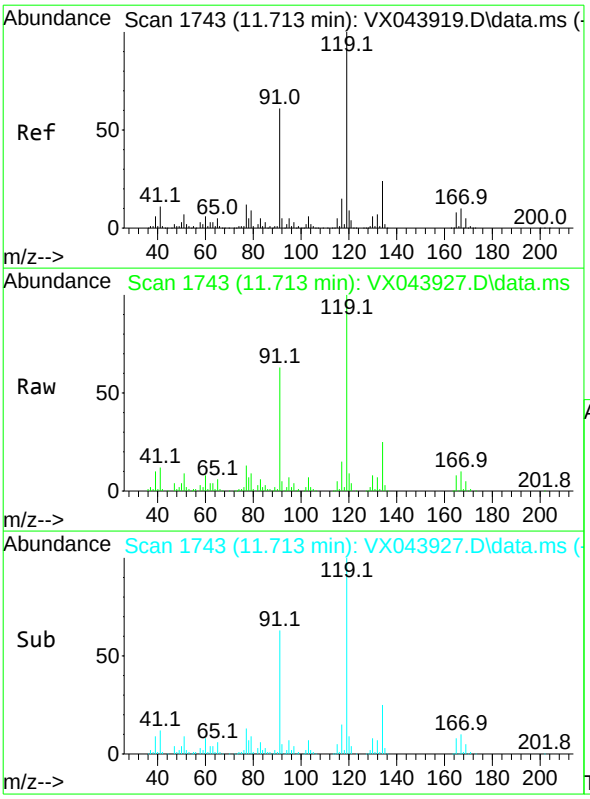


#82
4-Chlorotoluene
Concen: 22.085 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 91 Resp: 125521

Ion	Ratio	Lower	Upper
91	100		
126	29.2	14.4	43.2

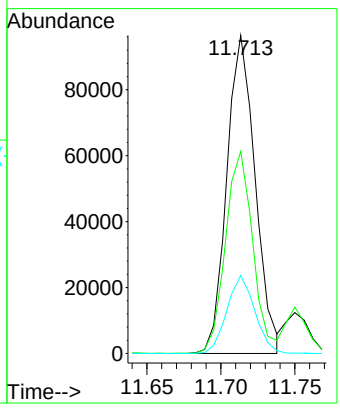




#83
tert-Butylbenzene
Concen: 21.582 ug/l
RT: 11.713 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:119 Resp: 128636

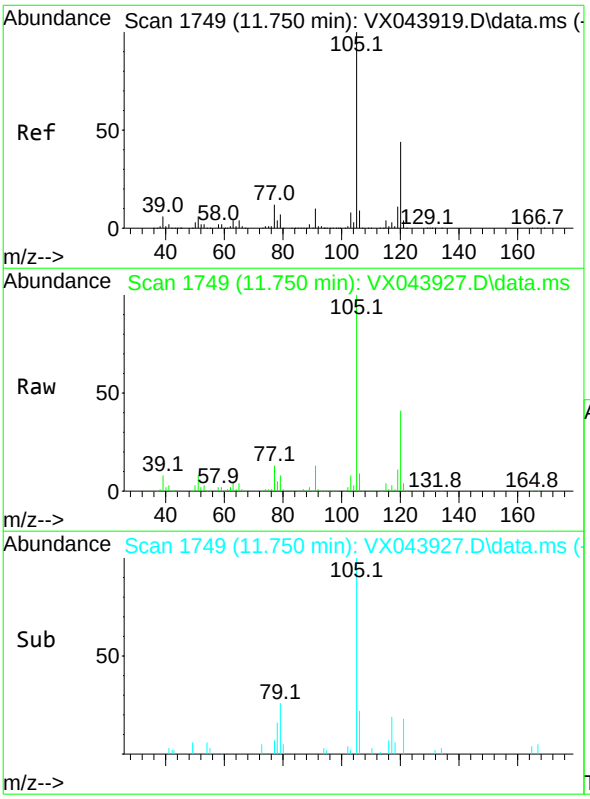
Ion	Ratio	Lower	Upper
119	100		
91	61.4	29.5	88.6
134	24.2	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

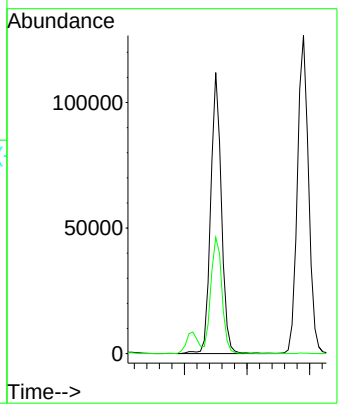
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

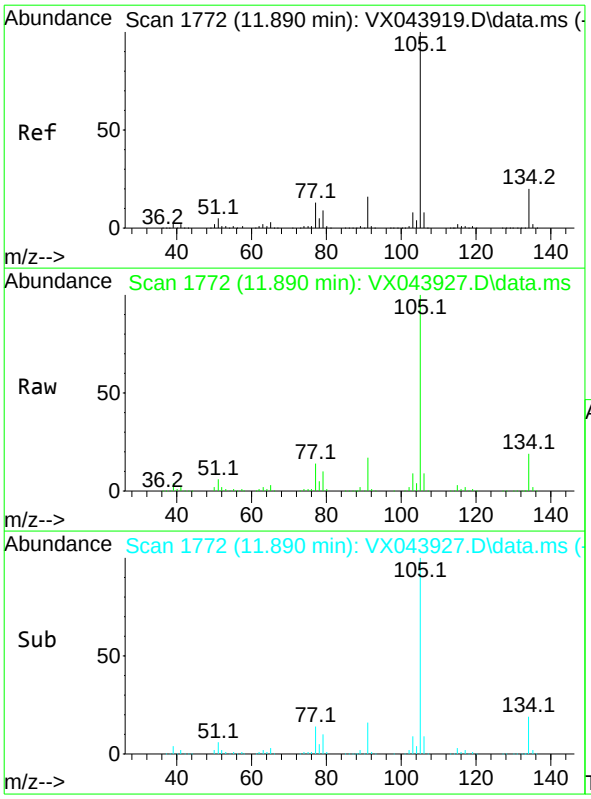


#84
1,2,4-Trimethylbenzene
Concen: 22.408 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:105 Resp: 132595

Ion	Ratio	Lower	Upper
105	100		
120	42.9	21.7	65.1

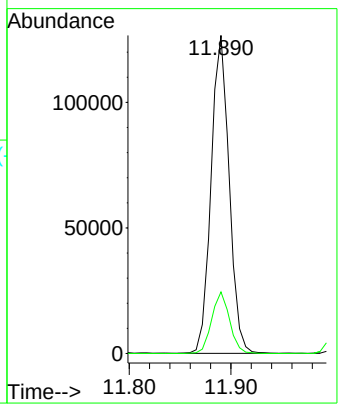




#85
sec-Butylbenzene
Concen: 21.962 ug/l
RT: 11.890 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:105 Resp: 156312

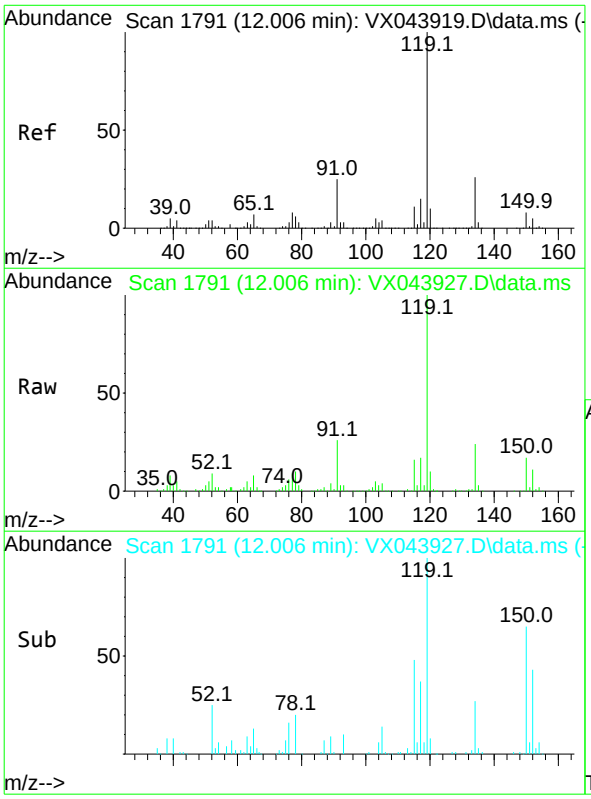
Ion	Ratio	Lower	Upper
105	100		
134	19.1	10.0	29.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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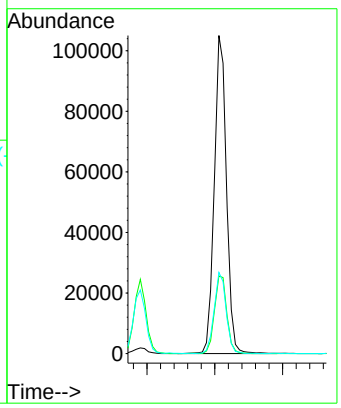
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

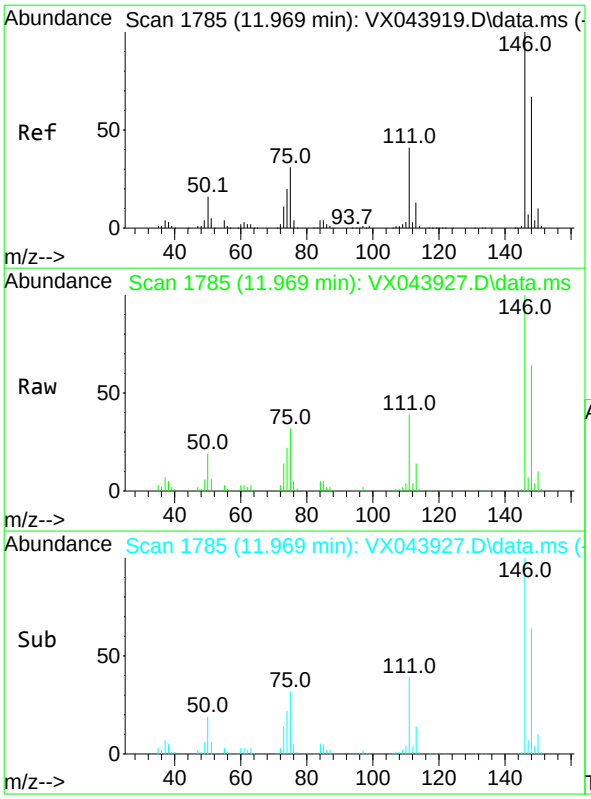


#86
p-Isopropyltoluene
Concen: 21.854 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:119 Resp: 130605

Ion	Ratio	Lower	Upper
119	100		
134	24.8	13.0	38.9
91	25.2	12.3	36.8

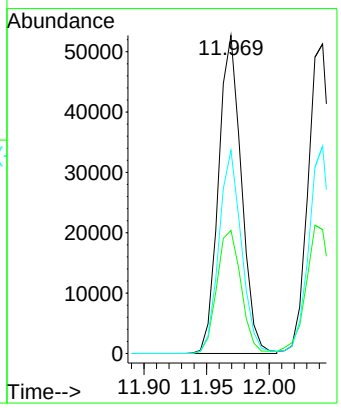




#87
1,3-Dichlorobenzene
Concen: 20.986 ug/l
RT: 11.969 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:146 Resp: 67003

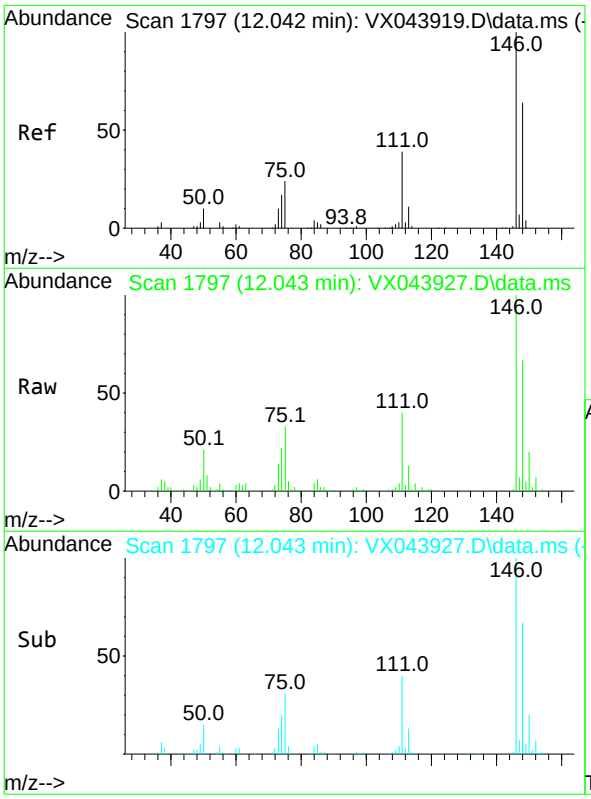
Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.8	62.2
148	62.8	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

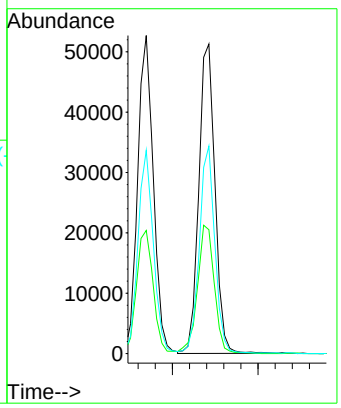
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

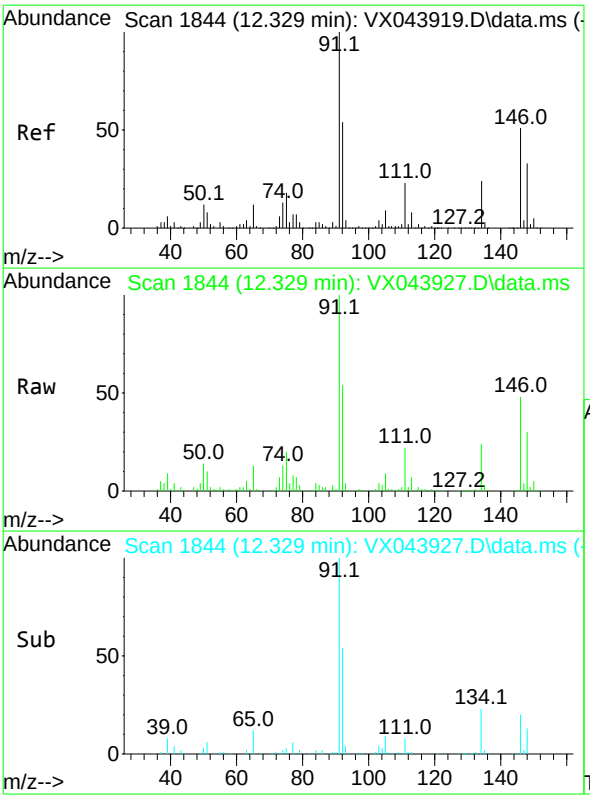


#88
1,4-Dichlorobenzene
Concen: 20.527 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:146 Resp: 67195

Ion	Ratio	Lower	Upper
146	100		
111	43.4	20.1	60.2
148	64.1	32.2	96.6





#89
n-Butylbenzene
Concen: 21.698 ug/l
RT: 12.329 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

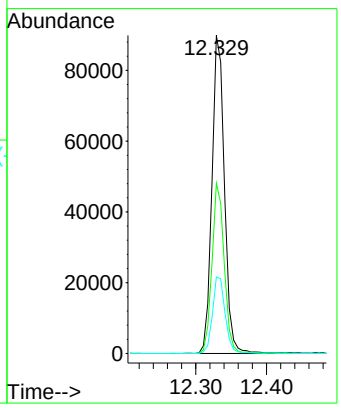
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

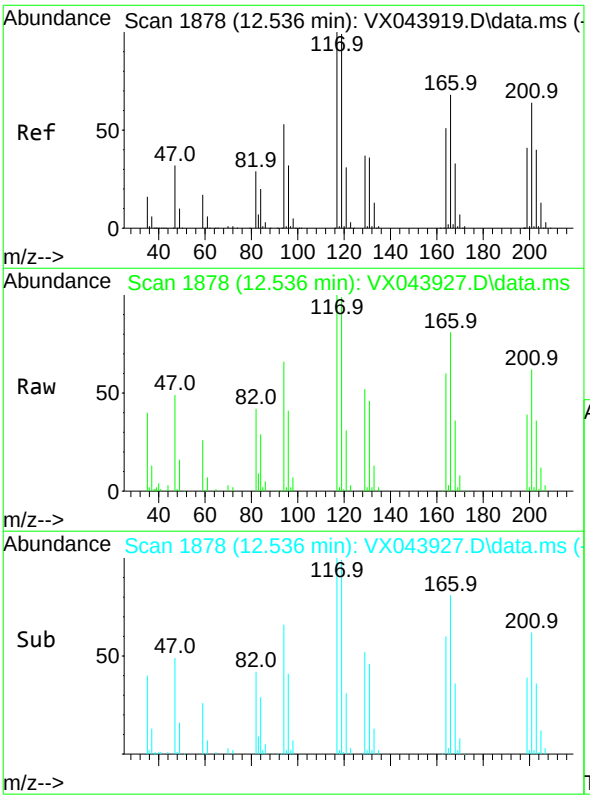
Tgt Ion: 91 Resp: 110491

Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.9	80.6
134	24.4	12.9	38.6

Manual Integrations
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Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

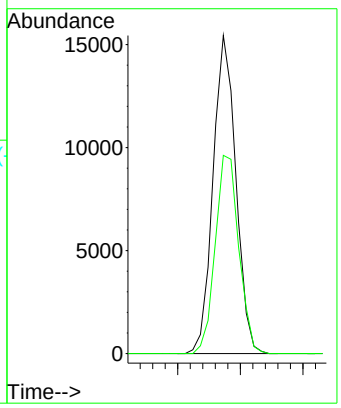


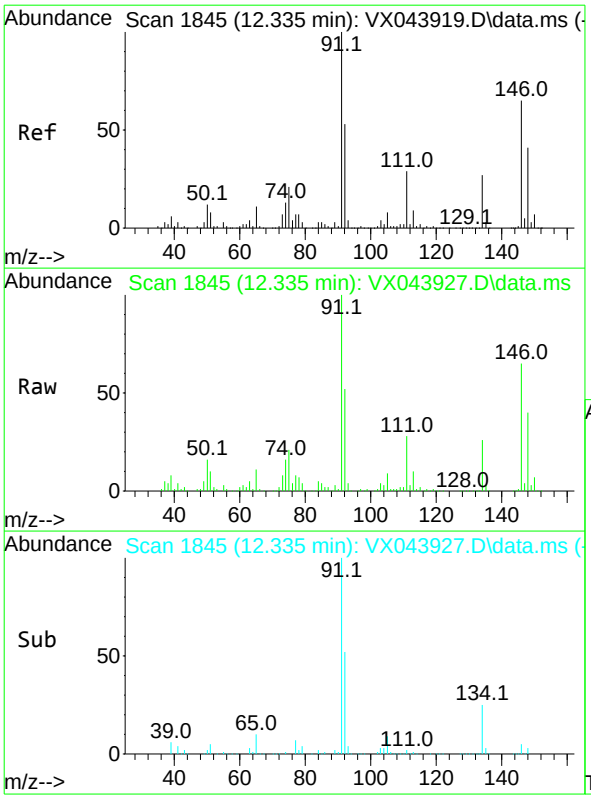


#90
Hexachloroethane
Concen: 19.432 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:117 Resp: 19547

Ion	Ratio	Lower	Upper
117	100		
201	64.5	34.1	102.3

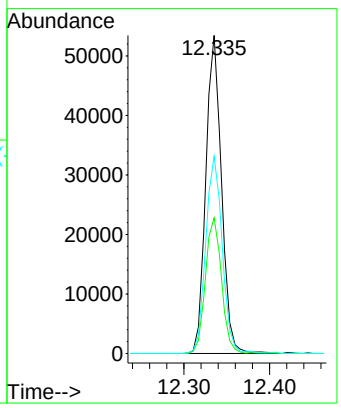




#91
1,2-Dichlorobenzene
Concen: 20.298 ug/l
RT: 12.335 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:146 Resp: 67852

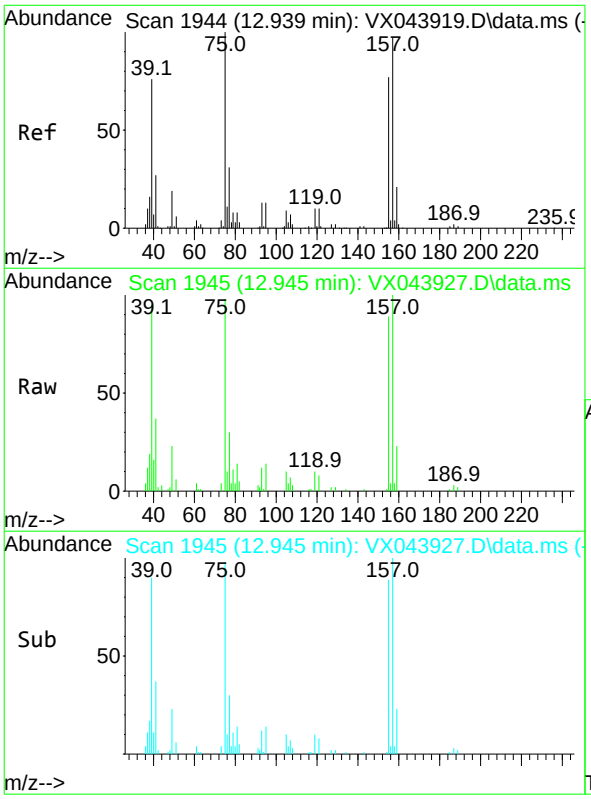
Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.7	65.1
148	65.4	31.6	94.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

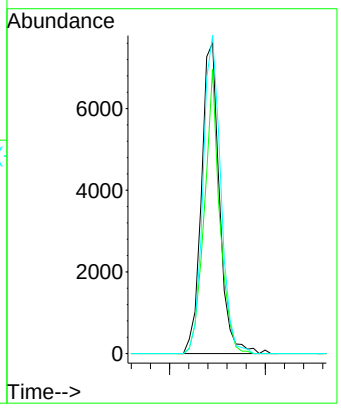
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

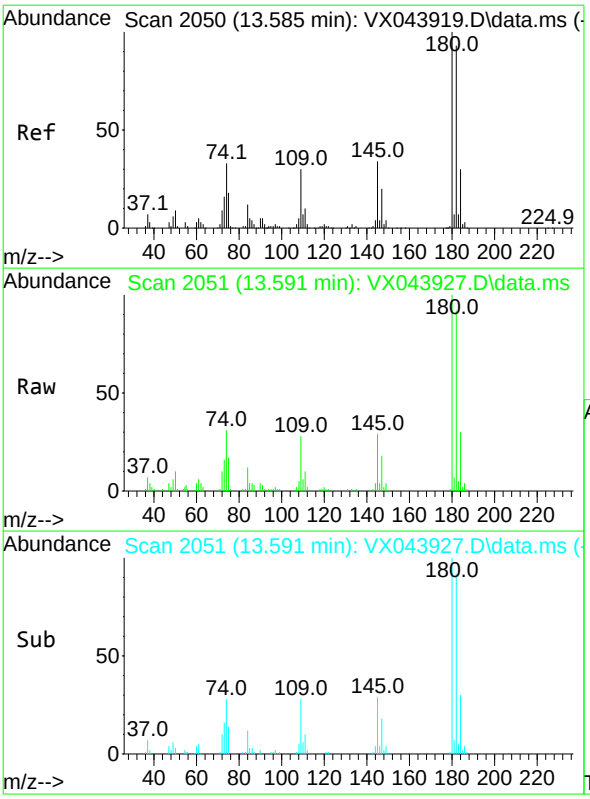


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.259 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 75 Resp: 9939

Ion	Ratio	Lower	Upper
75	100		
155	77.7	40.8	122.5
157	100.2	54.3	162.9

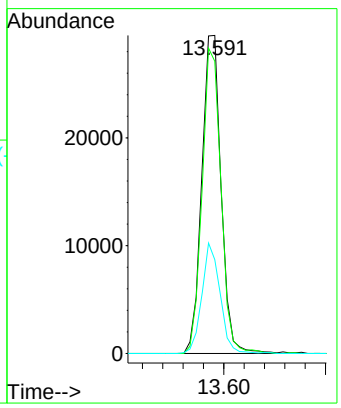




#93
1,2,4-Trichlorobenzene
Concen: 19.894 ug/l
RT: 13.591 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:180 Resp: 38866

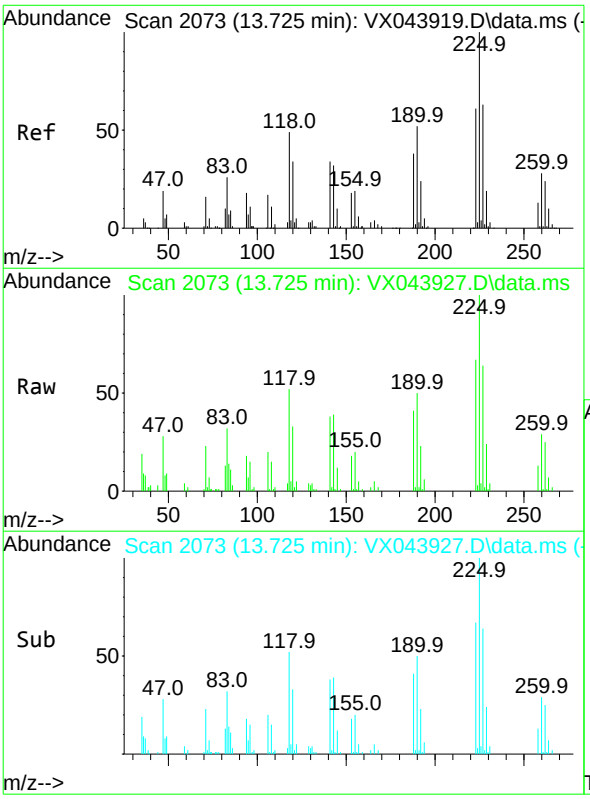
Ion	Ratio	Lower	Upper
180	100		
182	93.9	46.8	140.4
145	32.7	16.4	49.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

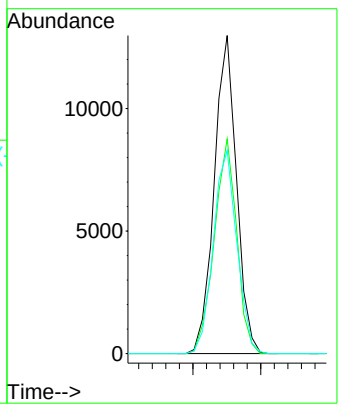
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

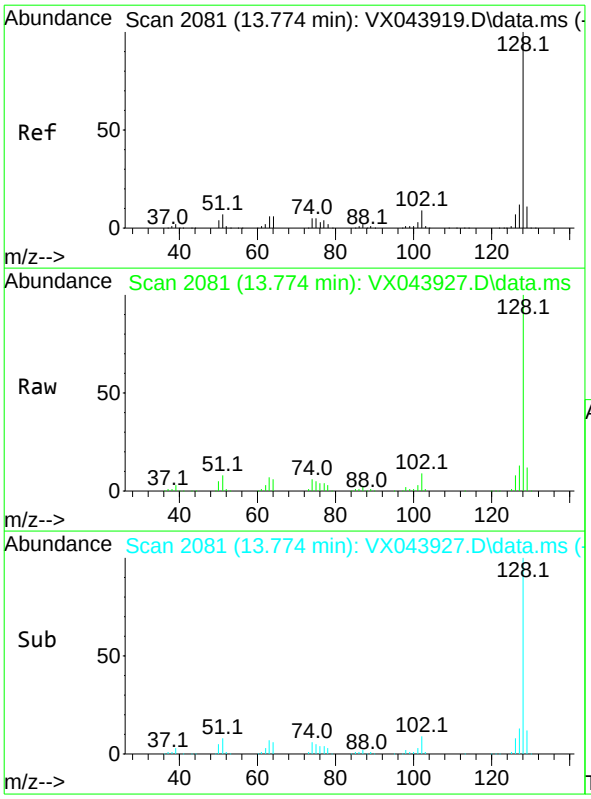


#94
Hexachlorobutadiene
Concen: 18.508 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:225 Resp: 14818

Ion	Ratio	Lower	Upper
225	100		
223	67.9	31.1	93.3
227	67.6	29.8	89.5

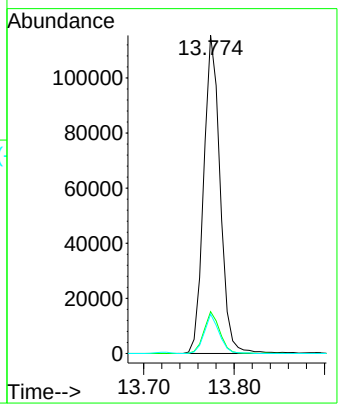




#95
Naphthalene
Concen: 19.999 ug/l
RT: 13.774 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:128 Resp: 145678

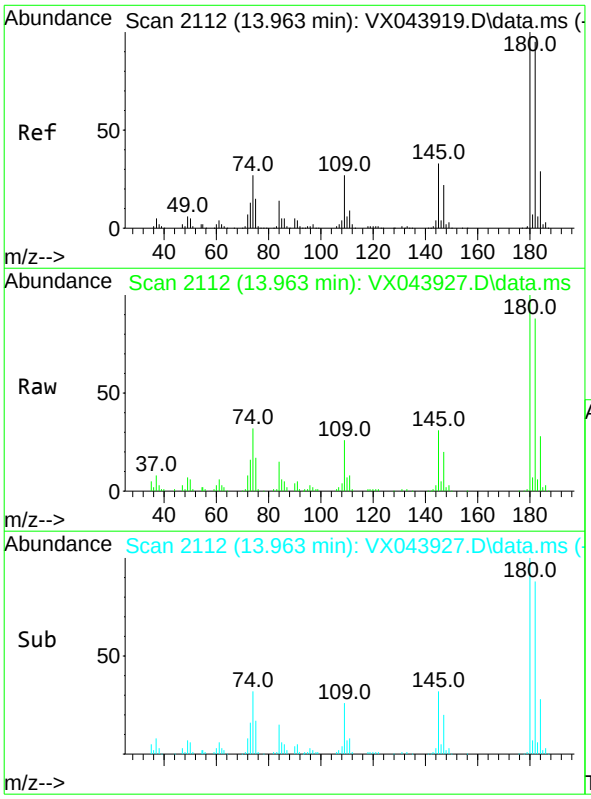
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	11.3	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

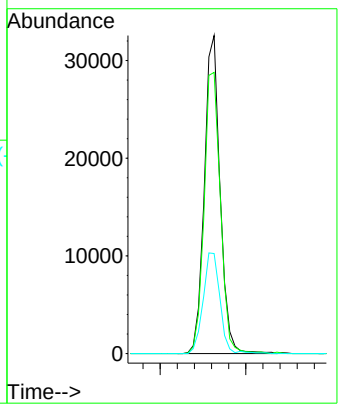
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#96
1,2,3-Trichlorobenzene
Concen: 20.415 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:180 Resp: 41554

Ion	Ratio	Lower	Upper
180	100		
182	91.6	47.6	142.8
145	33.9	17.4	52.2



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043928.D
Acq On : 21 Nov 2024 11:17
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 21 12:14:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 11:25:29 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	138578	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.757	114	241629	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	212243	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	100316	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	104086	48.899	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 97.800%			
35) Dibromofluoromethane	5.379	113	78954	48.663	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.320%			
50) Toluene-d8	8.641	98	266650	49.194	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.380%			
62) 4-Bromofluorobenzene	11.079	95	93510	52.209	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.420%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	94790	67.600	ug/l	98
3) Chloromethane	1.295	50	96646	55.148	ug/l	100
4) Vinyl Chloride	1.374	62	105586	59.966	ug/l	100
5) Bromomethane	1.593	94	61728	77.177	ug/l	97
6) Chloroethane	1.660	64	63580	75.594	ug/l	98
7) Trichlorofluoromethane	1.868	101	188045	74.909	ug/l	100
8) Diethyl Ether	2.130	74	65665	69.383	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.313	101	91167	61.367	ug/l	97
10) Methyl Iodide	2.441	142	112083	53.608	ug/l	95
11) Tert butyl alcohol	2.995	59	100130	295.821	ug/l	99
12) 1,1-Dichloroethene	2.307	96	83087	57.625	ug/l	92
13) Acrolein	2.233	56	100647	265.136	ug/l	97
14) Allyl chloride	2.654	41	144663	61.883	ug/l	91
15) Acrylonitrile	3.063	53	256493	294.373	ug/l	98
16) Acetone	2.380	43	294611	344.605	ug/l	93
17) Carbon Disulfide	2.502	76	178294	56.633	ug/l	99
18) Methyl Acetate	2.703	43	136735	58.404	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	313754	58.872	ug/l	98
20) Methylene Chloride	2.782	84	92475	51.676	ug/l	94
21) trans-1,2-Dichloroethene	3.081	96	87752	55.825	ug/l	95
22) Diisopropyl ether	3.758	45	299631	58.668	ug/l	94
23) Vinyl Acetate	3.715	43	1344870	324.875	ug/l	97
24) 1,1-Dichloroethane	3.599	63	174008	57.932	ug/l	99
25) 2-Butanone	4.556	43	392575	328.247	ug/l	97
26) 2,2-Dichloropropane	4.465	77	158151	64.072	ug/l	96
27) cis-1,2-Dichloroethene	4.477	96	109742	56.100	ug/l	94
28) Bromochloromethane	4.885	49	62386	49.360	ug/l	88
29) Tetrahydrofuran	5.001	42	234208	303.060	ug/l	97
30) Chloroform	5.080	83	182404	58.257	ug/l	94
31) Cyclohexane	5.458	56	144224	59.242	ug/l	95
32) 1,1,1-Trichloroethane	5.373	97	164023	61.280	ug/l	98
36) 1,1-Dichloropropene	5.678	75	119269	58.983	ug/l	99
37) Ethyl Acetate	4.709	43	147393	64.767	ug/l	98
38) Carbon Tetrachloride	5.666	117	134725	62.932	ug/l	97
39) Methylcyclohexane	7.373	83	158586	62.647	ug/l	95
40) Benzene	6.025	78	360978	56.780	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043928.D
Acq On : 21 Nov 2024 11:17
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 21 12:14:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 11:25:29 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	79507	67.041	ug/l		96
42) 1,2-Dichloroethane	6.074	62	145681	63.109	ug/l		97
43) Isopropyl Acetate	6.336	43	235856	65.697	ug/l		94
44) Trichloroethene	7.117	130	90015	51.360	ug/l		91
45) 1,2-Dichloropropane	7.422	63	89529	57.459	ug/l		98
46) Dibromomethane	7.574	93	70679	60.196	ug/l		96
47) Bromodichloromethane	7.818	83	131365	63.678	ug/l		97
48) Methyl methacrylate	7.690	41	112803	63.393	ug/l	#	88
49) 1,4-Dioxane	7.659	88	33402	881.301	ug/l	#	73
51) 4-Methyl-2-Pentanone	8.574	43	732582	327.265	ug/l		95
52) Toluene	8.714	92	222500	60.664	ug/l		97
53) t-1,3-Dichloropropene	8.976	75	137451	65.667	ug/l		98
54) cis-1,3-Dichloropropene	8.360	75	147638	62.243	ug/l		92
55) 1,1,2-Trichloroethane	9.147	97	89441	62.501	ug/l		97
56) Ethyl methacrylate	9.116	69	148281	65.443	ug/l	#	88
57) 1,3-Dichloropropane	9.305	76	151124	63.034	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	371281	312.467	ug/l		98
59) 2-Hexanone	9.427	43	568460	359.925	ug/l		93
60) Dibromochloromethane	9.519	129	95641	68.588	ug/l		99
61) 1,2-Dibromoethane	9.604	107	92940	62.263	ug/l		99
64) Tetrachloroethene	9.269	164	74157	54.472	ug/l		99
65) Chlorobenzene	10.080	112	243080	54.828	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	83934	56.885	ug/l		98
67) Ethyl Benzene	10.189	91	429559	57.573	ug/l		97
68) m/p-Xylenes	10.299	106	323661	116.466	ug/l		96
69) o-Xylene	10.640	106	160643	59.245	ug/l		99
70) Styrene	10.653	104	268004	59.974	ug/l		98
71) Bromoform	10.799	173	60267	62.587	ug/l	#	98
73) Isopropylbenzene	10.957	105	411000	57.397	ug/l		99
74) N-amyl acetate	10.842	43	200195	62.704	ug/l		94
75) 1,1,2,2-Tetrachloroethane	11.214	83	139756	57.726	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	118450m	57.858	ug/l		
77) Bromobenzene	11.195	156	97761	55.706	ug/l		97
78) n-propylbenzene	11.299	91	474802	60.094	ug/l		100
79) 2-Chlorotoluene	11.360	91	286649	57.018	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	345531	58.215	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	44450	61.129	ug/l		96
82) 4-Chlorotoluene	11.451	91	333946	57.679	ug/l		100
83) tert-Butylbenzene	11.713	119	345112	56.841	ug/l		97
84) 1,2,4-Trimethylbenzene	11.750	105	345112	57.254	ug/l		99
85) sec-Butylbenzene	11.890	105	426284	58.794	ug/l		99
86) p-Isopropyltoluene	12.006	119	353256	58.026	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	176936	54.401	ug/l		99
88) 1,4-Dichlorobenzene	12.037	146	178728	53.598	ug/l		98
89) n-Butylbenzene	12.329	91	319448	61.581	ug/l		99
90) Hexachloroethane	12.536	117	59010	57.586	ug/l		96
91) 1,2-Dichlorobenzene	12.335	146	177334	52.077	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	28467	56.961	ug/l		94
93) 1,2,4-Trichlorobenzene	13.585	180	108749	54.645	ug/l		98
94) Hexachlorobutadiene	13.725	225	41267	50.599	ug/l		95
95) Naphthalene	13.774	128	401752	54.142	ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	112162	54.094	ug/l		96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043928.D
Acq On : 21 Nov 2024 11:17
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 21 12:14:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 11:25:29 2024
Response via : Initial Calibration

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

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

ICAL Form

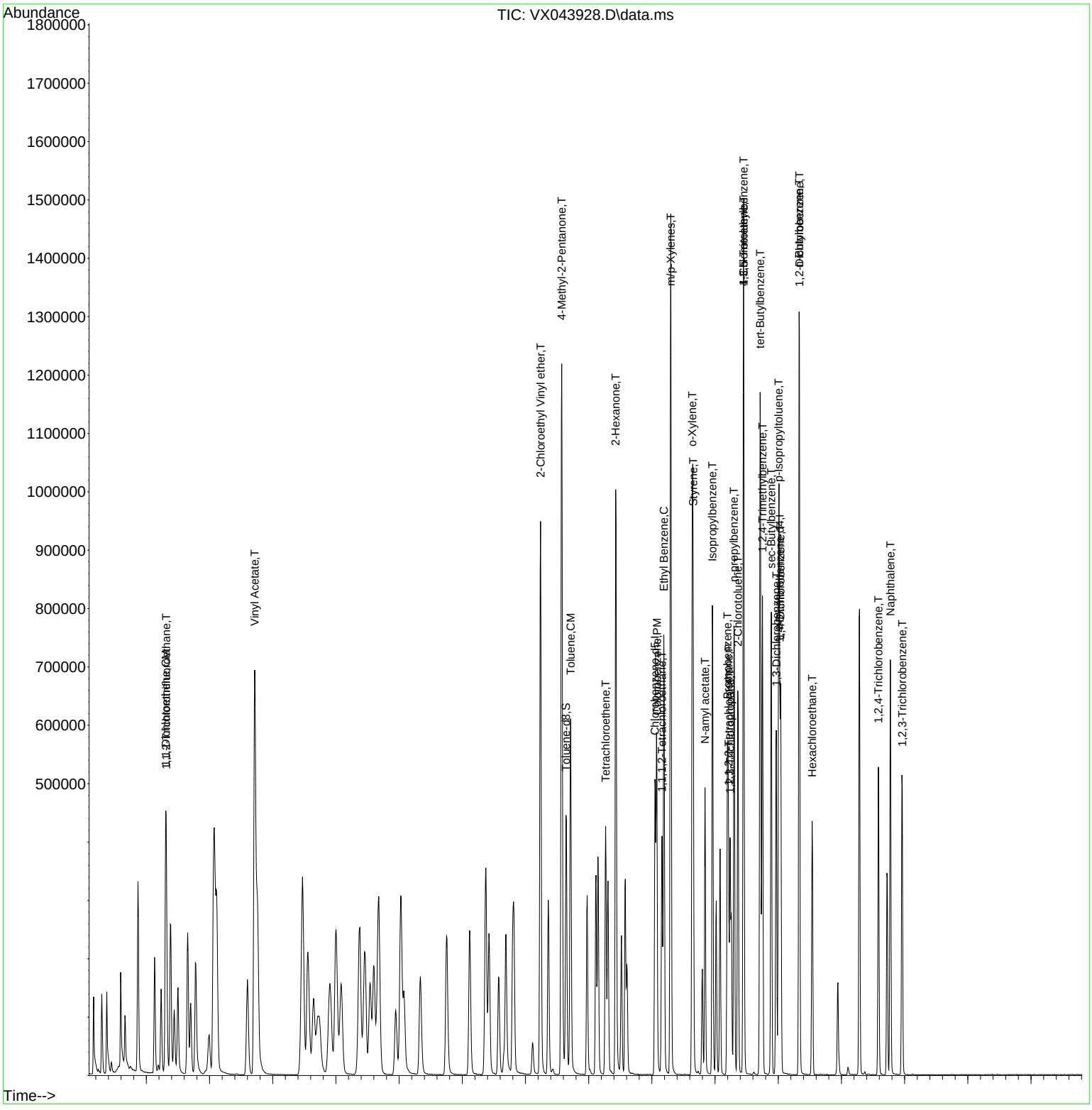
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043928.D
Acq On : 21 Nov 2024 11:17
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

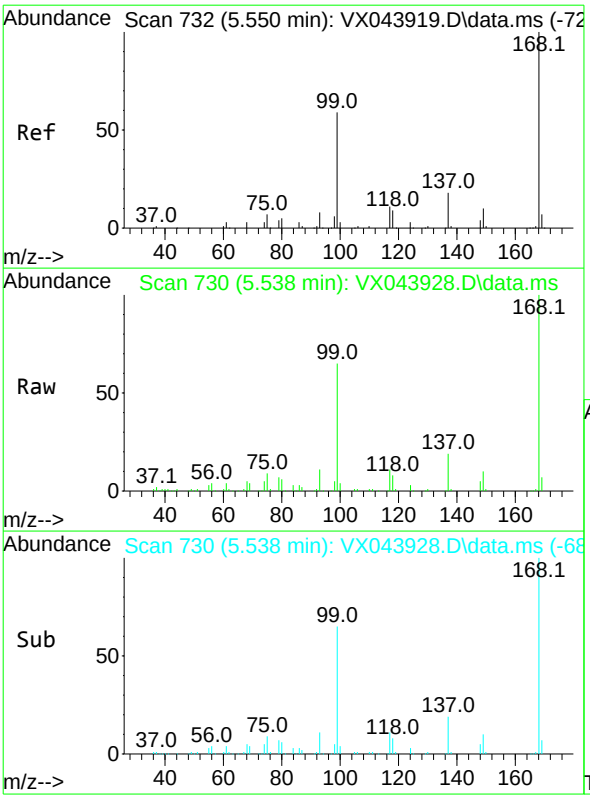
Quant Time: Nov 21 12:14:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 11:25:29 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

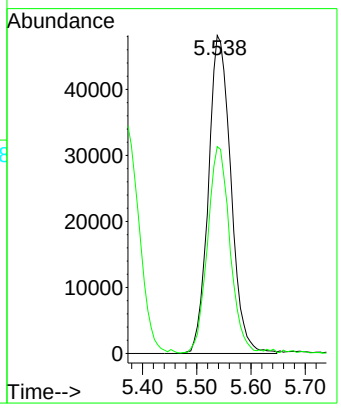




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 73
Delta R.T. -0.012 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:168 Resp: 138578

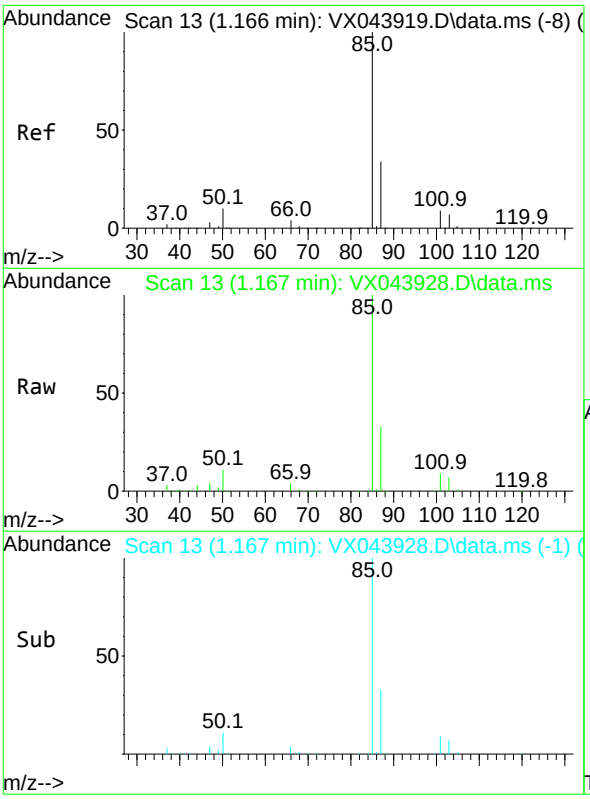
Ion	Ratio	Lower	Upper
168	100		
99	64.8	46.9	70.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

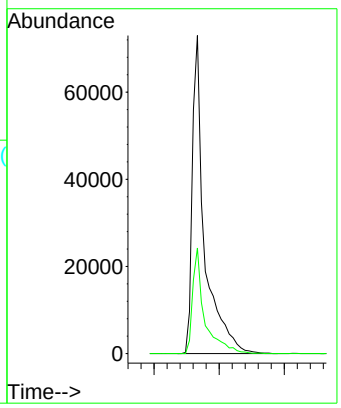
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

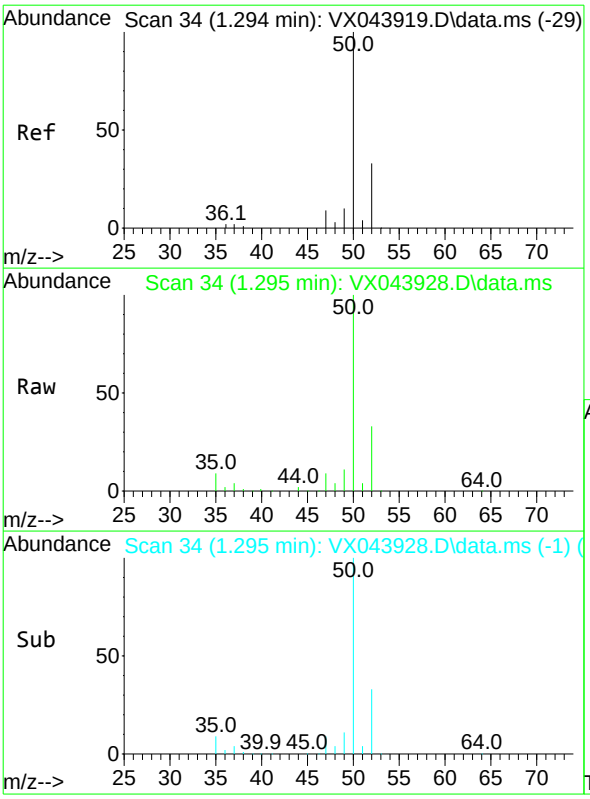


#2
Dichlorodifluoromethane
Concen: 67.600 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 85 Resp: 94790

Ion	Ratio	Lower	Upper
85	100		
87	33.2	17.1	51.2

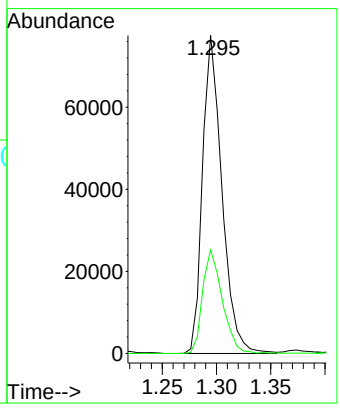




#3
Chloromethane
Concen: 55.148 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 50 Resp: 96646

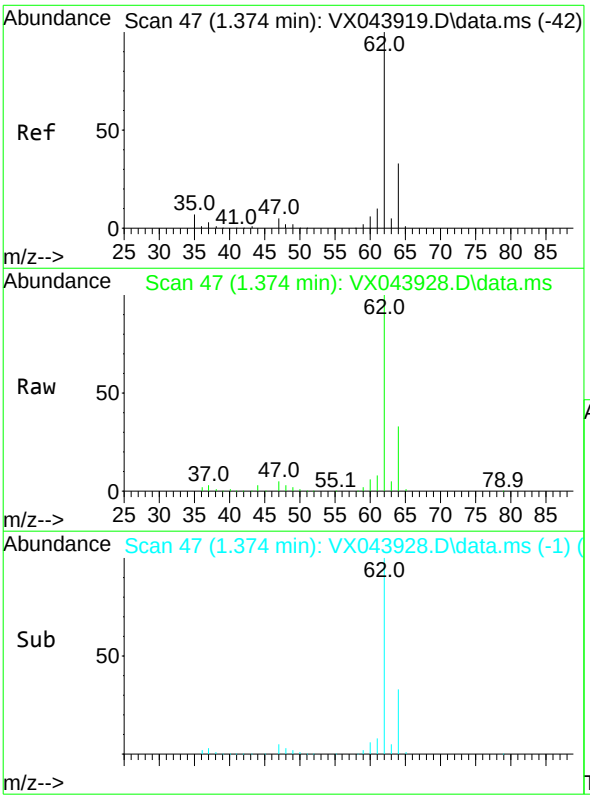
Ion	Ratio	Lower	Upper
50	100		
52	32.6	26.2	39.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

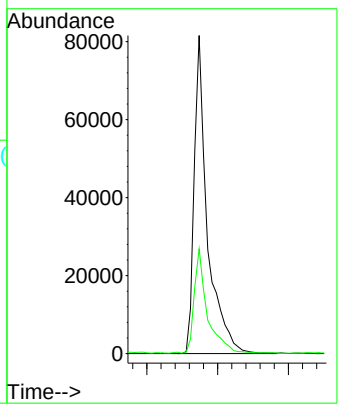
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

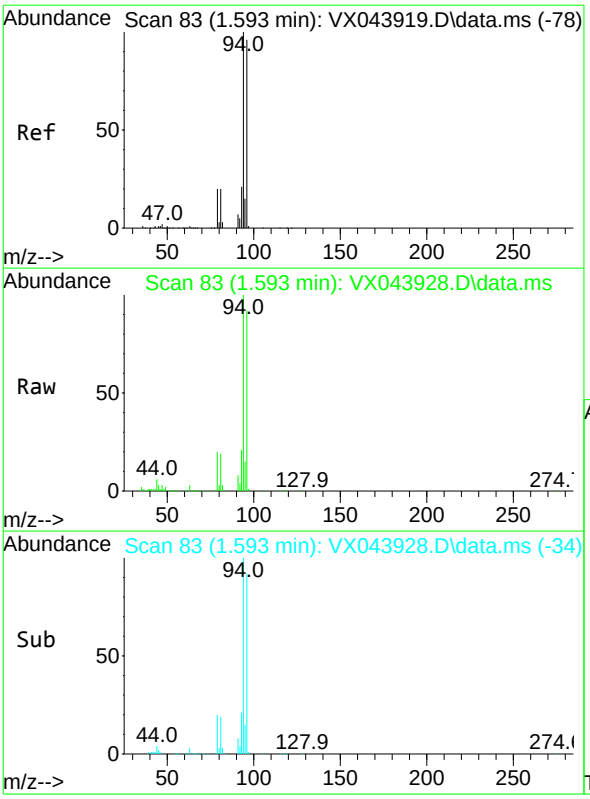


#4
Vinyl Chloride
Concen: 59.966 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 62 Resp: 105586

Ion	Ratio	Lower	Upper
62	100		
64	32.8	26.1	39.1

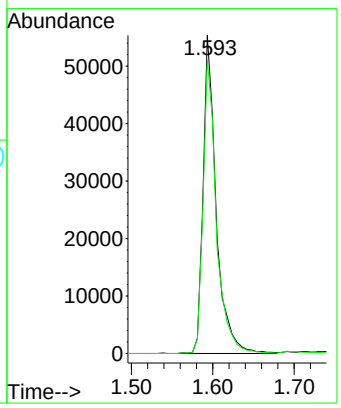




#5
Bromomethane
Concen: 77.177 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 94 Resp: 61728

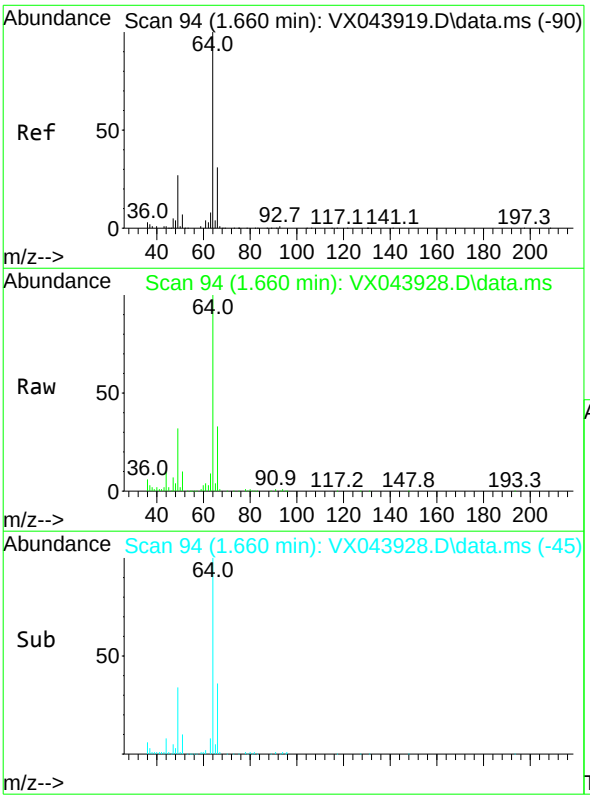
Ion	Ratio	Lower	Upper
94	100		
96	92.4	76.5	114.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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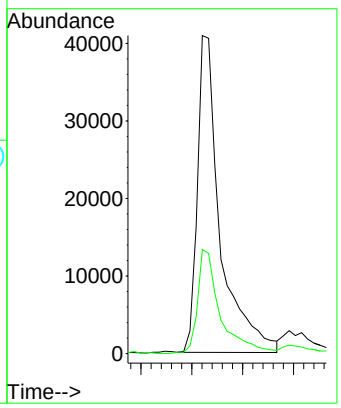
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

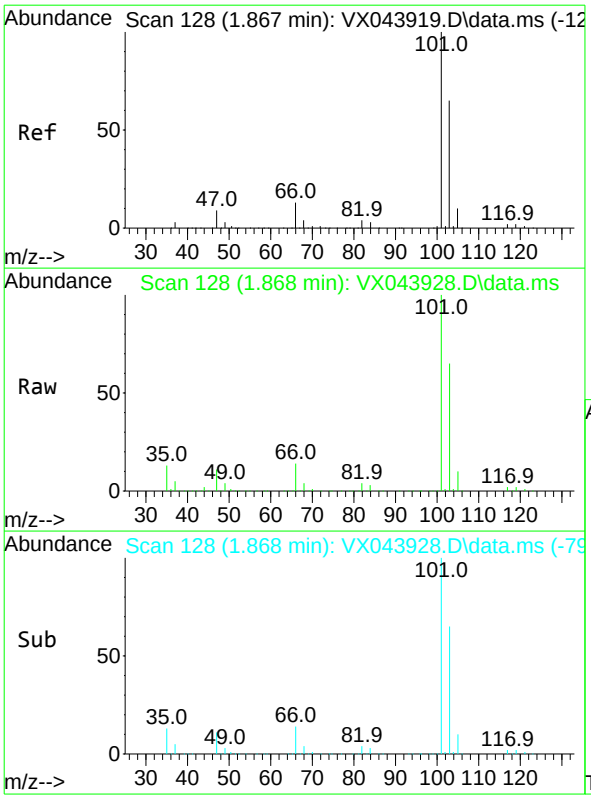


#6
Chloroethane
Concen: 75.594 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 64 Resp: 63580

Ion	Ratio	Lower	Upper
64	100		
66	32.4	24.9	37.3

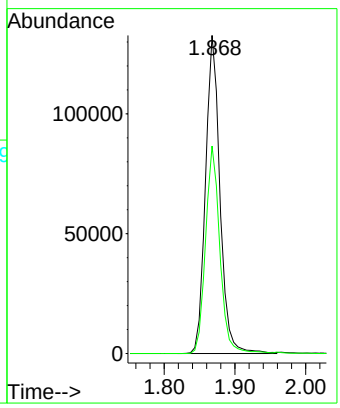




#7
Trichlorofluoromethane
Concen: 74.909 ug/l
RT: 1.868 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:101 Resp: 188045

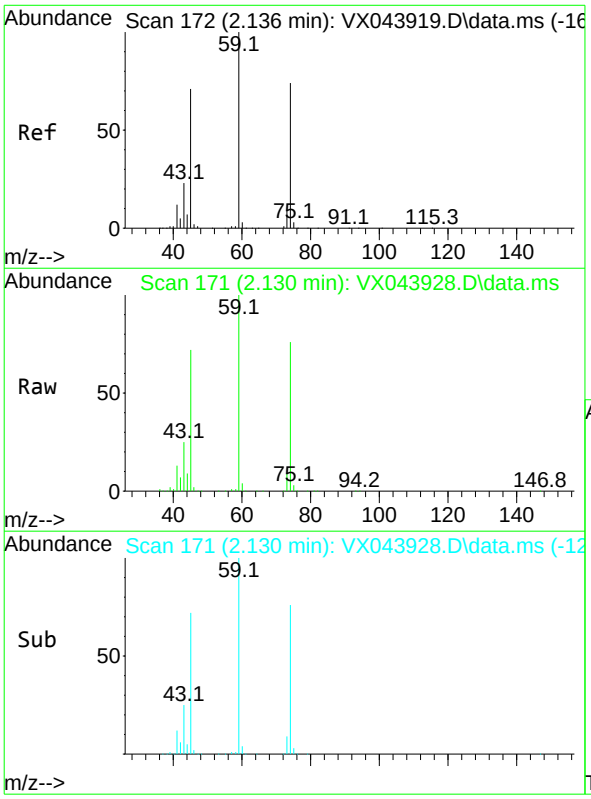
Ion	Ratio	Lower	Upper
101	100		
103	65.2	52.2	78.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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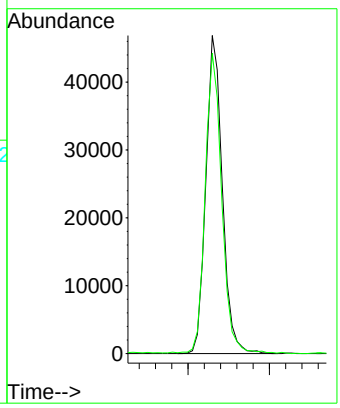
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

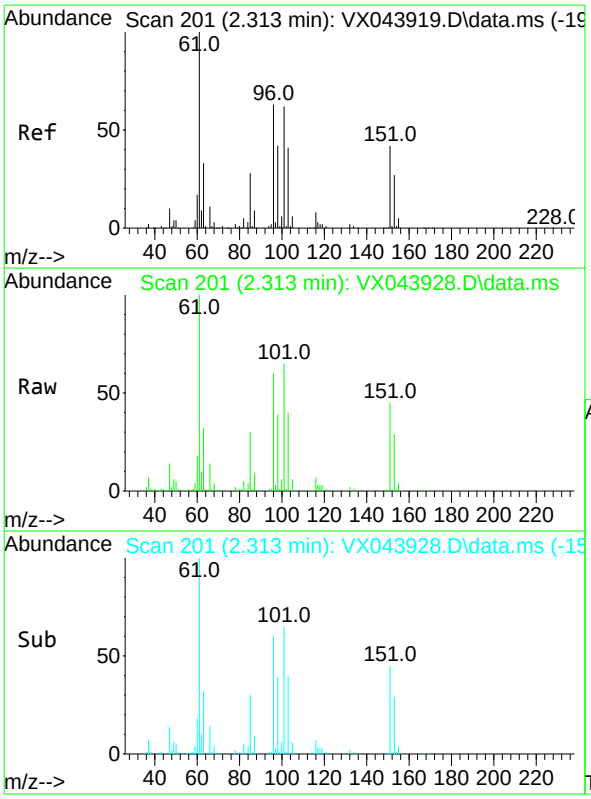


#8
Diethyl Ether
Concen: 69.383 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 74 Resp: 65665

Ion	Ratio	Lower	Upper
74	100		
45	95.7	49.9	149.6

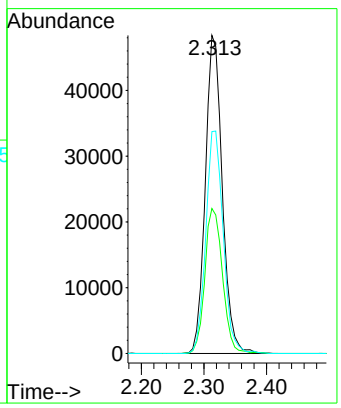




#9
1,1,2-Trichlorotrifluoroethane
Concen: 61.367 ug/l
RT: 2.313 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:101 Resp: 91167

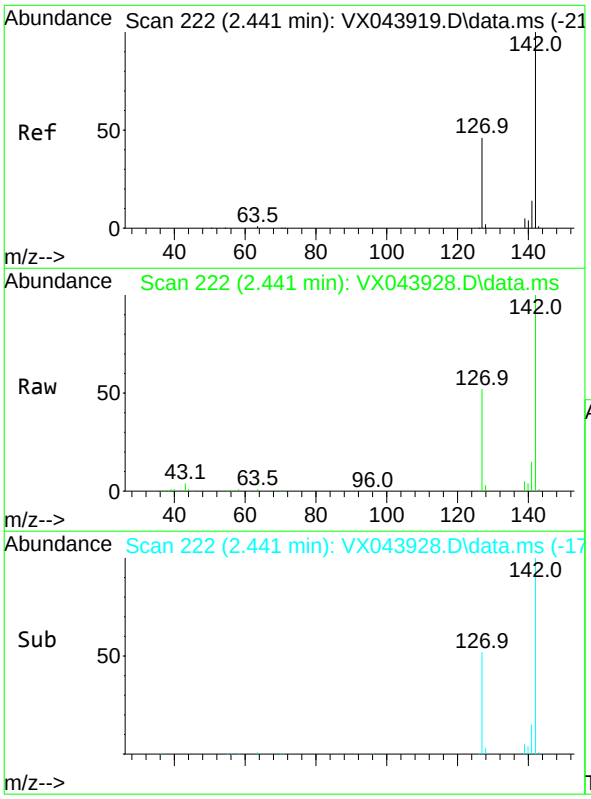
Ion	Ratio	Lower	Upper
101	100		
85	47.4	36.6	54.8
151	71.9	59.8	89.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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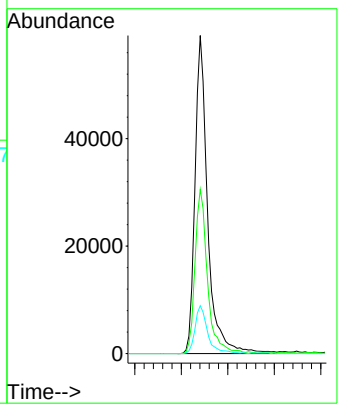
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

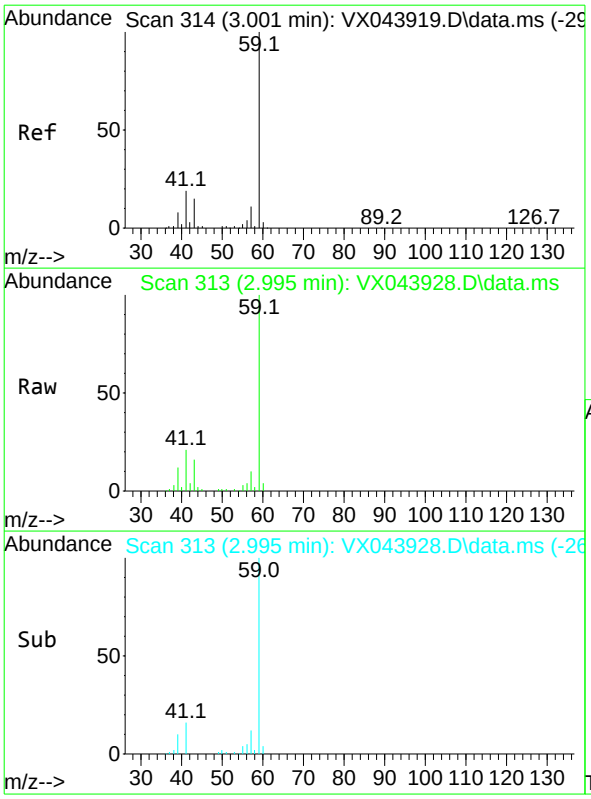


#10
Methyl Iodide
Concen: 53.608 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:142 Resp: 112083

Ion	Ratio	Lower	Upper
142	100		
127	50.9	37.3	55.9
141	15.0	11.4	17.2

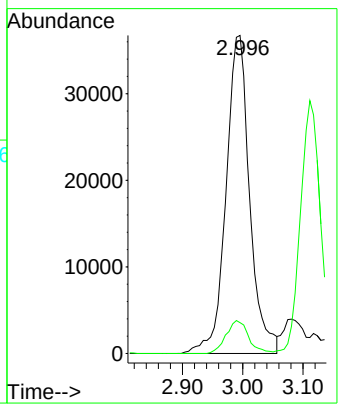




#11
Tert butyl alcohol
Concen: 295.821 ug/l
RT: 2.995 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 59 Resp: 100130

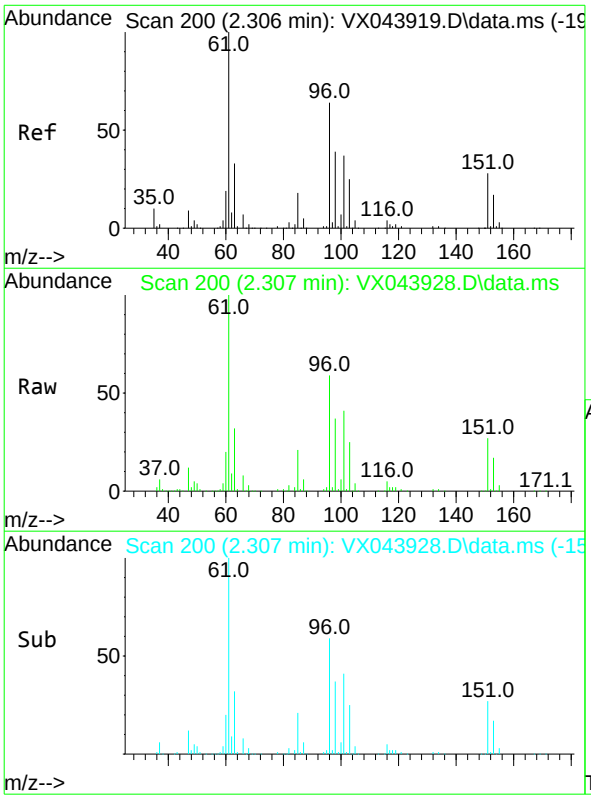
Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.2	12.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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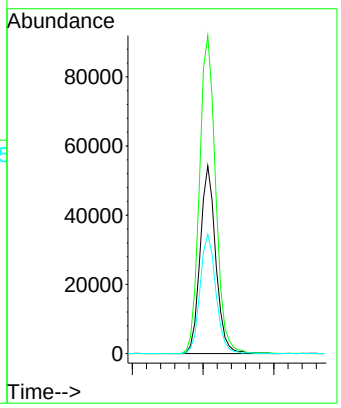
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

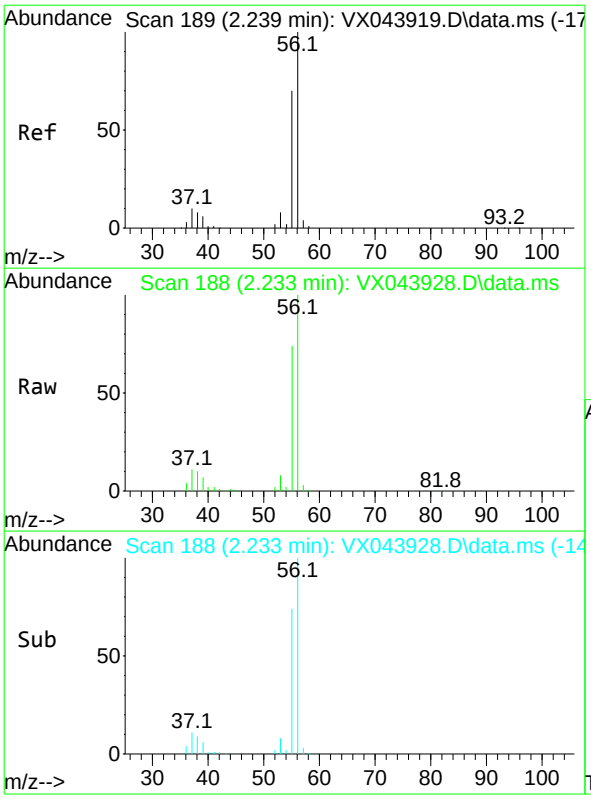


#12
1,1-Dichloroethene
Concen: 57.625 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 96 Resp: 83087

Ion	Ratio	Lower	Upper
96	100		
61	169.4	124.6	187.0
98	63.5	49.0	73.6

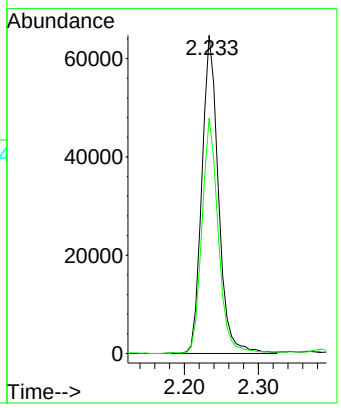




#13
Acrolein
Concen: 265.136 ug/l
RT: 2.233 min Scan# 18
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 56 Resp: 100647

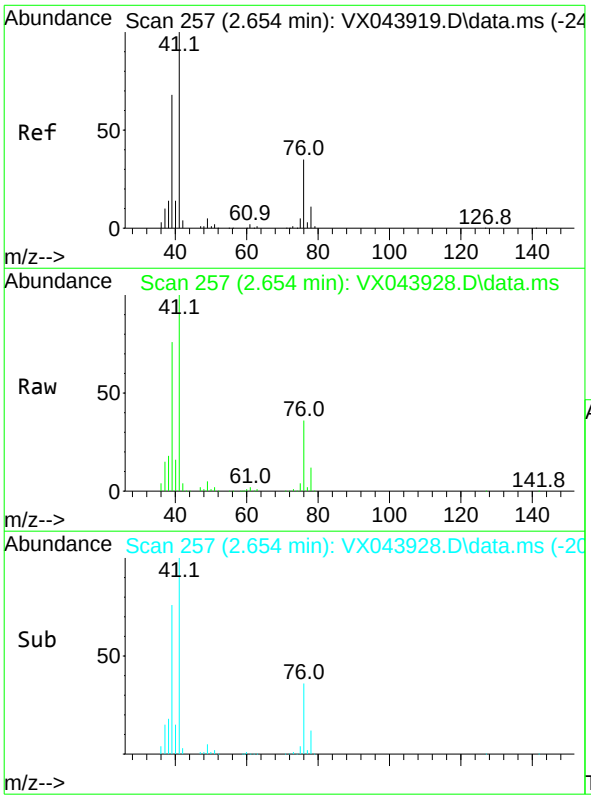
Ion	Ratio	Lower	Upper
56	100		
55	72.7	56.1	84.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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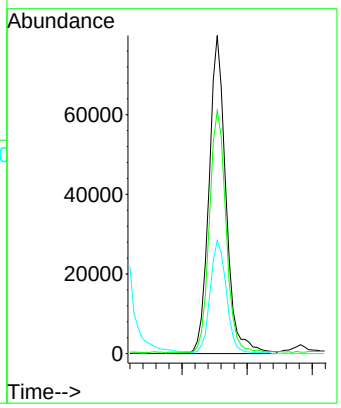
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

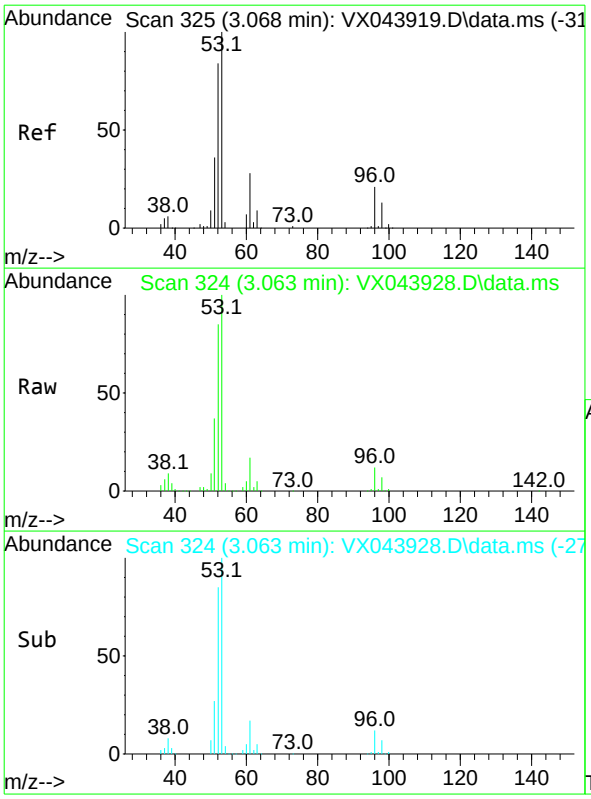


#14
Allyl chloride
Concen: 61.883 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 41 Resp: 144663

Ion	Ratio	Lower	Upper
41	100		
39	74.4	51.7	77.5
76	34.3	28.2	42.2





#15
Acrylonitrile
Concen: 294.373 ug/l
RT: 3.063 min Scan# 32
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

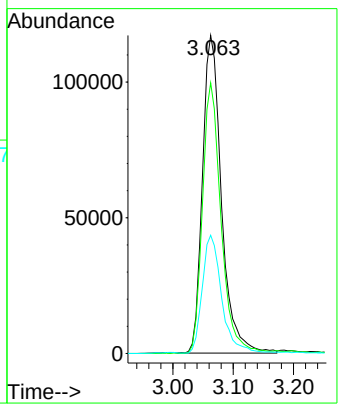
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

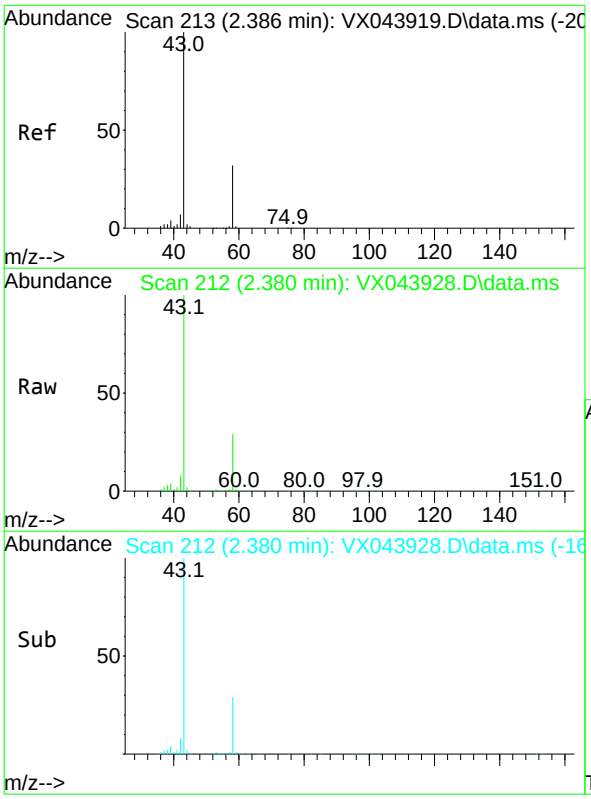
Tgt Ion: 53 Resp: 256493

Ion	Ratio	Lower	Upper
53	100		
52	83.1	65.8	98.8
51	37.8	28.6	42.8

Manual Integrations
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Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

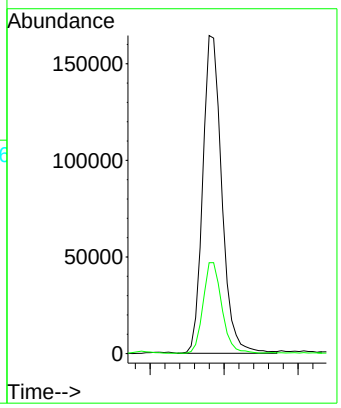


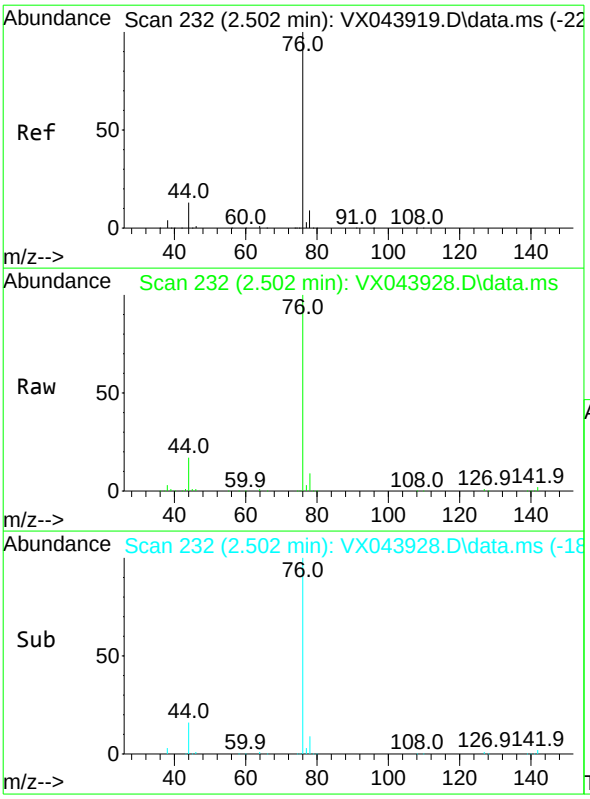


#16
Acetone
Concen: 344.605 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 43 Resp: 294611

Ion	Ratio	Lower	Upper
43	100		
58	28.4	25.8	38.6

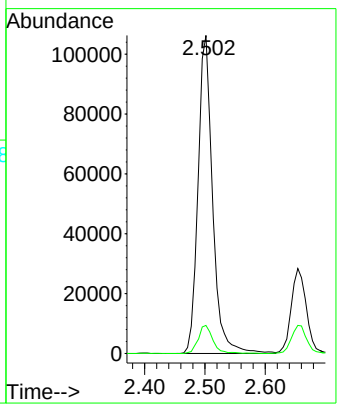




#17
Carbon Disulfide
Concen: 56.633 ug/l
RT: 2.502 min Scan# 23
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 76 Resp: 178294

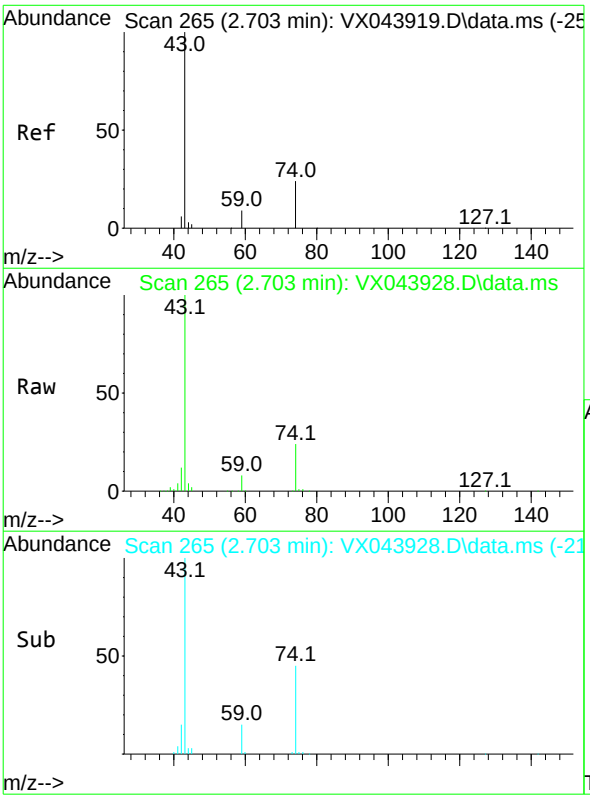
Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.3	10.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

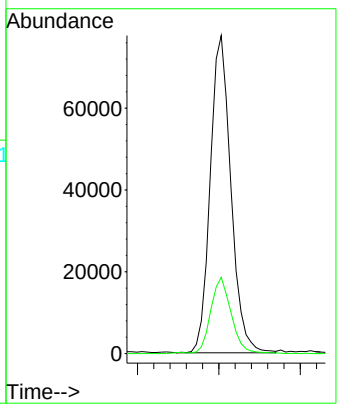
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

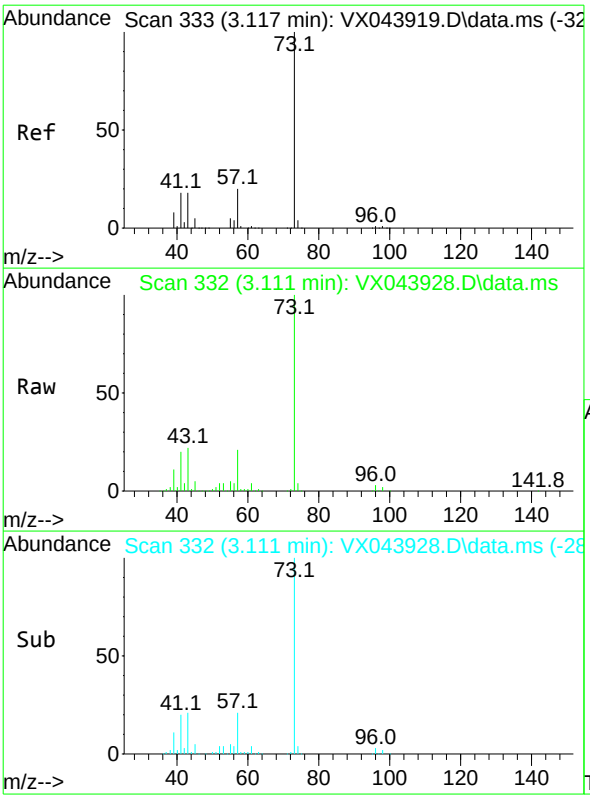


#18
Methyl Acetate
Concen: 58.404 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 43 Resp: 136735

Ion	Ratio	Lower	Upper
43	100		
74	23.6	20.1	30.1

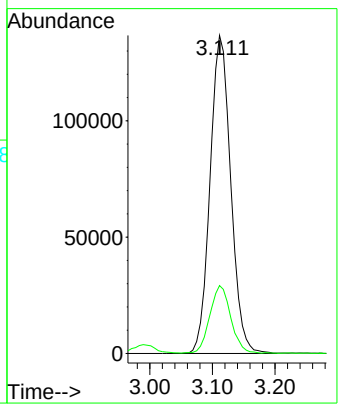




#19
Methyl tert-butyl Ether
Concen: 58.872 ug/l
RT: 3.111 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 73 Resp: 313754

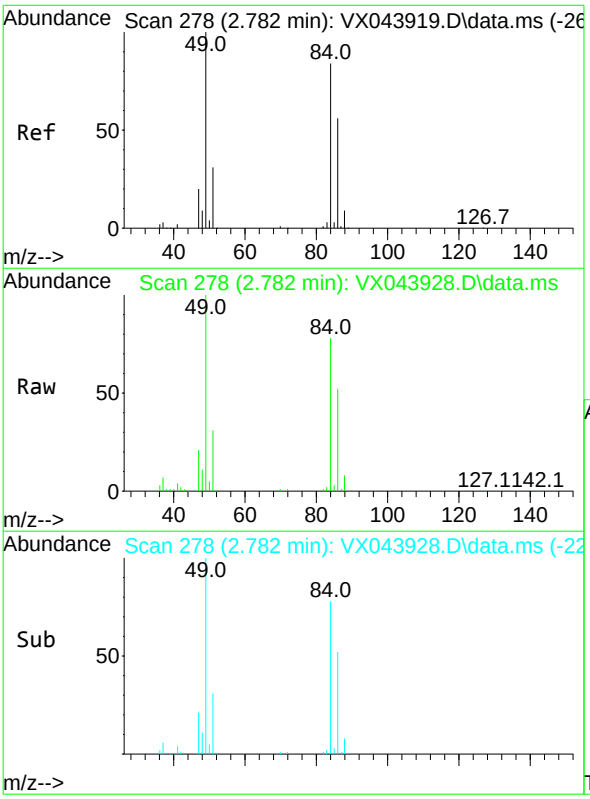
Ion	Ratio	Lower	Upper
73	100		
57	21.3	16.4	24.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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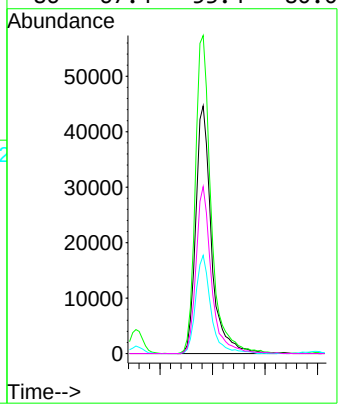
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

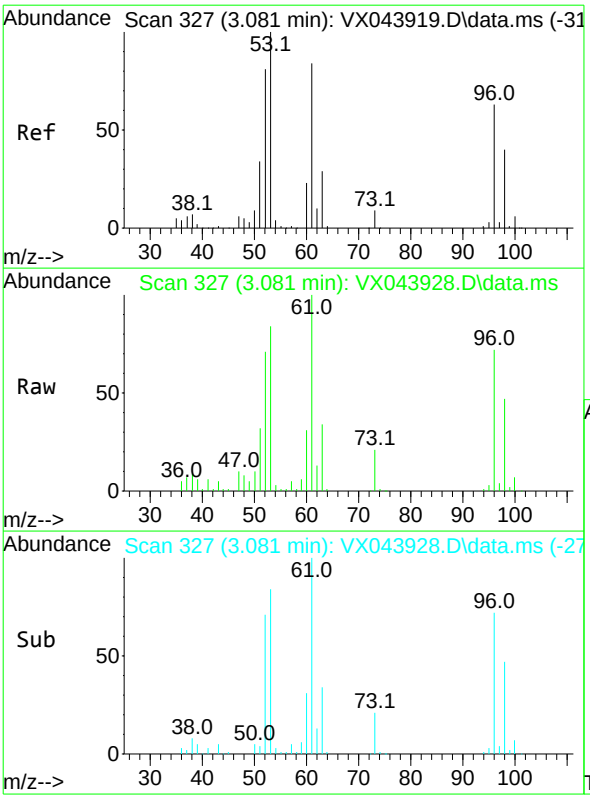


#20
Methylene Chloride
Concen: 51.676 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 84 Resp: 92475

Ion	Ratio	Lower	Upper
84	100		
49	128.4	95.1	142.7
51	39.6	29.2	43.8
86	67.4	53.4	80.0

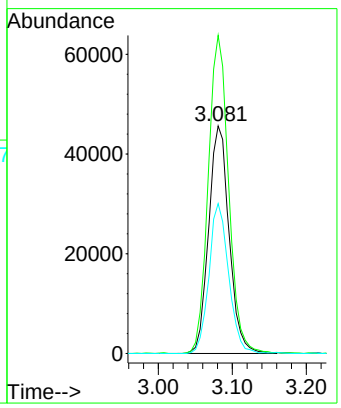




#21
trans-1,2-Dichloroethene
Concen: 55.825 ug/l
RT: 3.081 min Scan# 32
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 96 Resp: 87752

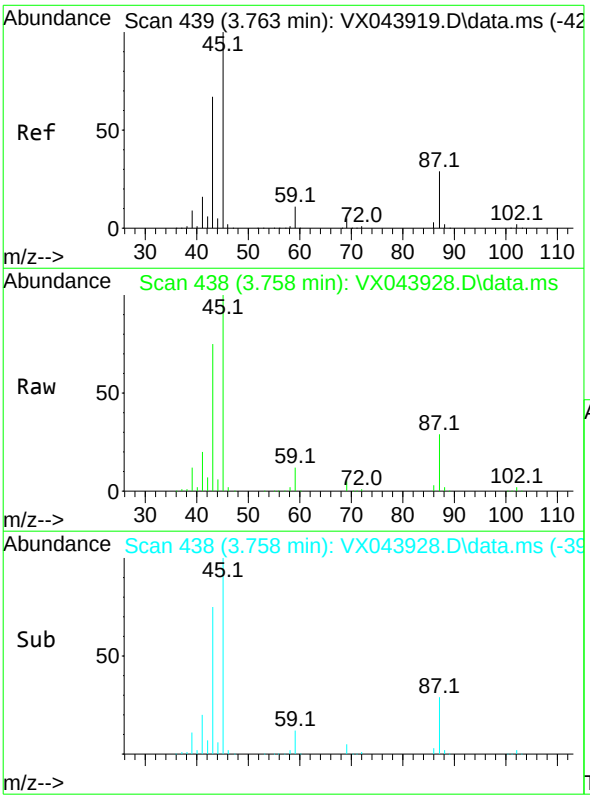
Ion	Ratio	Lower	Upper
96	100		
61	139.7	106.4	159.6
98	65.9	50.9	76.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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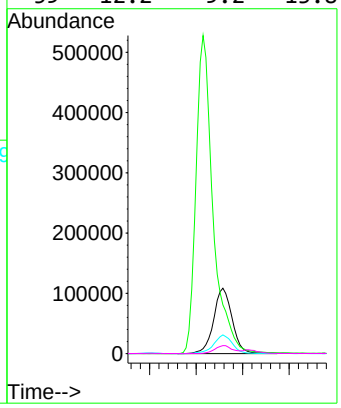
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

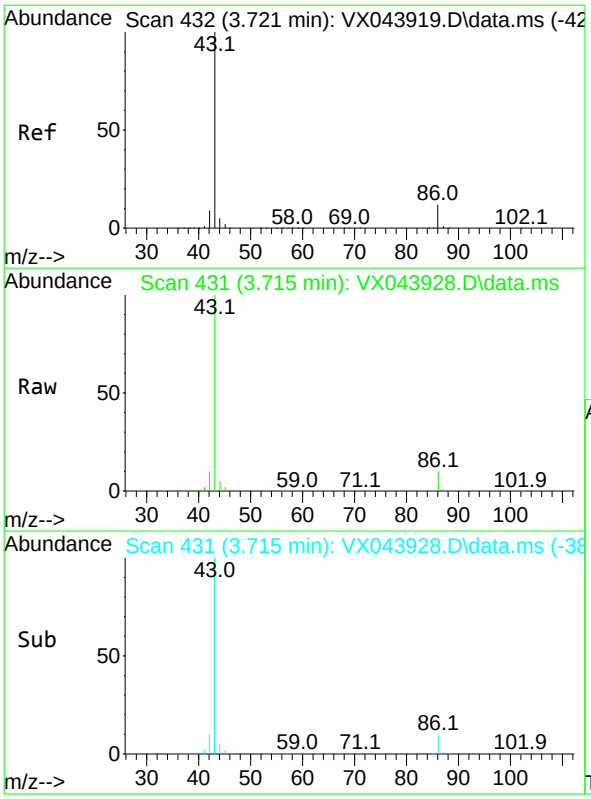


#22
Diisopropyl ether
Concen: 58.668 ug/l
RT: 3.758 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 45 Resp: 299631

Ion	Ratio	Lower	Upper
45	100		
43	74.5	53.8	80.6
87	28.6	23.4	35.2
59	12.2	9.2	13.8

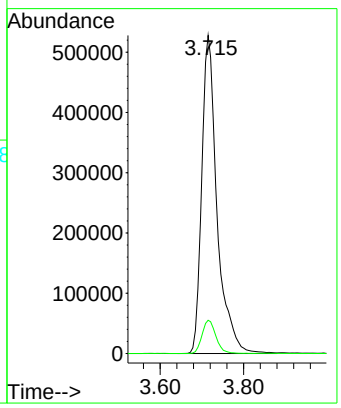




#23
Vinyl Acetate
Concen: 324.875 ug/l
RT: 3.715 min Scan# 43
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 43 Resp: 1344870

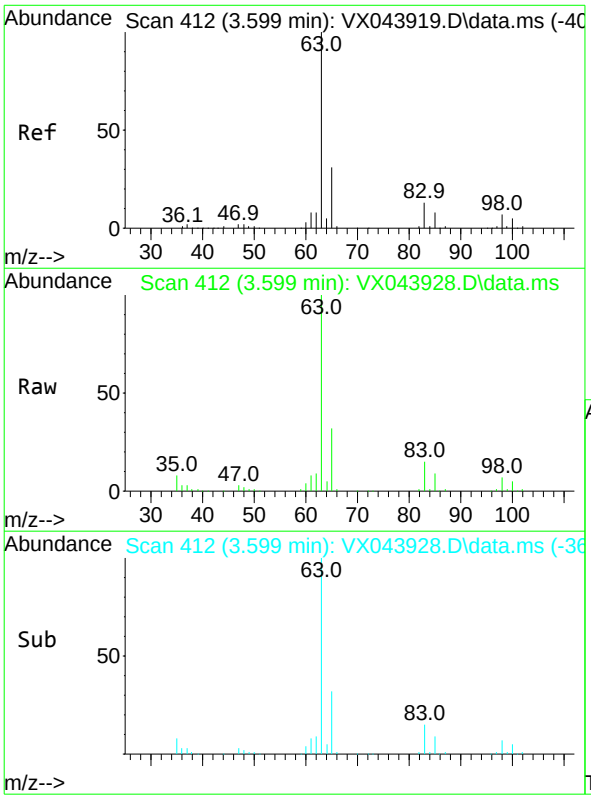
Ion	Ratio	Lower	Upper
43	100		
86	10.4	9.4	14.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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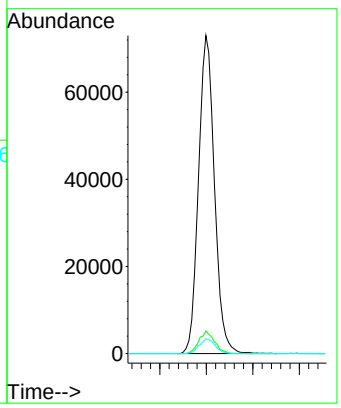
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

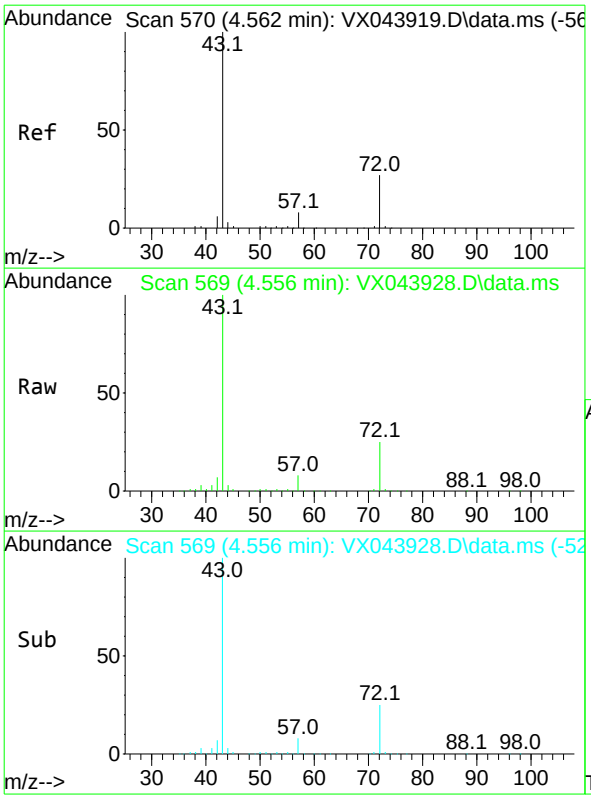


#24
1,1-Dichloroethane
Concen: 57.932 ug/l
RT: 3.599 min Scan# 412
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 63 Resp: 174008

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.7	11.1
100	4.7	2.4	7.2

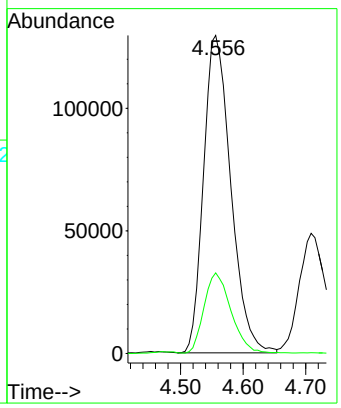




#25
2-Butanone
Concen: 328.247 ug/l
RT: 4.556 min Scan# 56
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 43 Resp: 392575

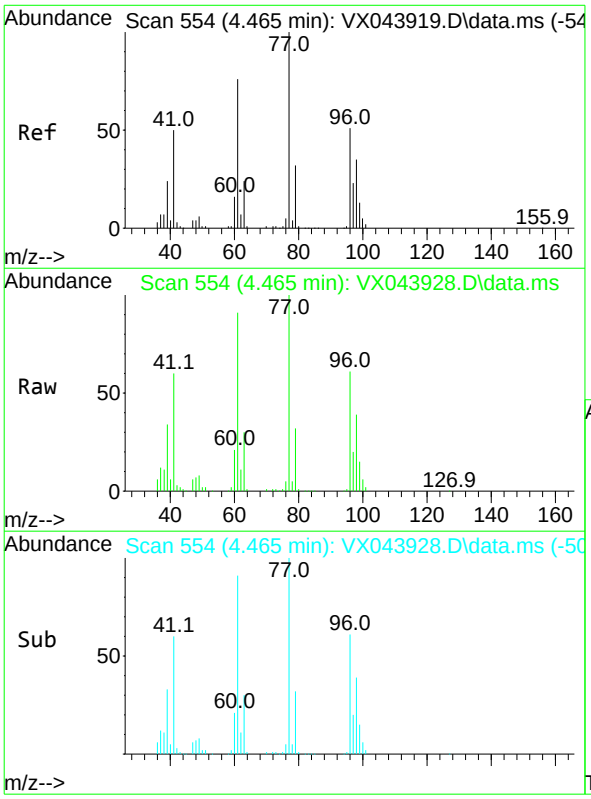
Ion	Ratio	Lower	Upper
43	100		
72	25.2	21.3	31.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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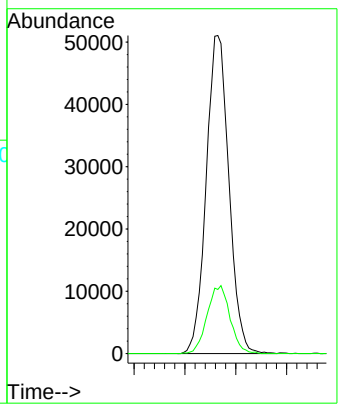
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

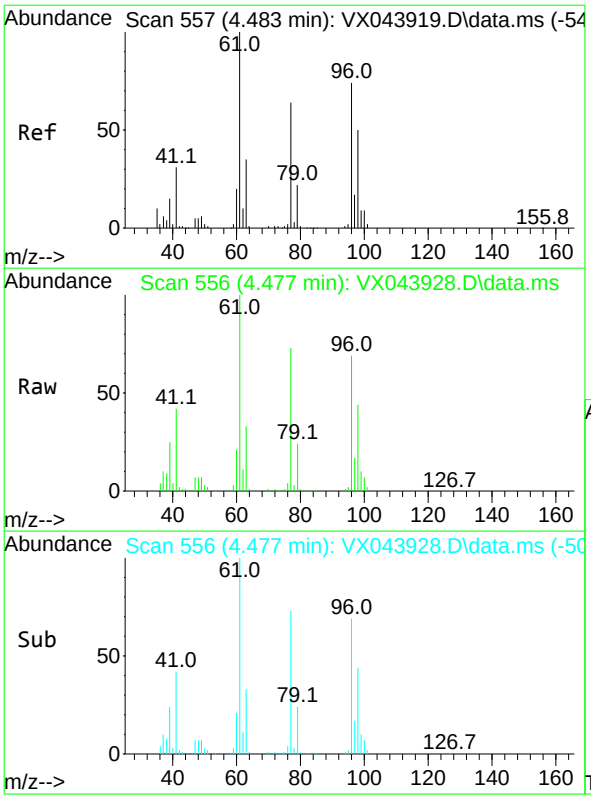


#26
2,2-Dichloropropane
Concen: 64.072 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 77 Resp: 158151

Ion	Ratio	Lower	Upper
77	100		
97	21.5	11.7	35.1





#27
cis-1,2-Dichloroethene
Concen: 56.100 ug/l
RT: 4.477 min Scan# 55
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

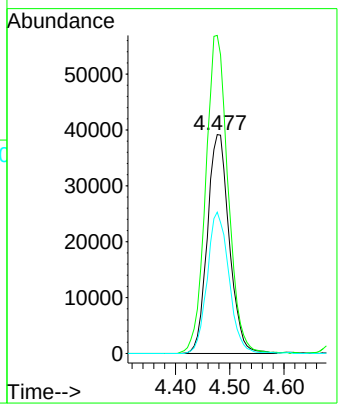
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

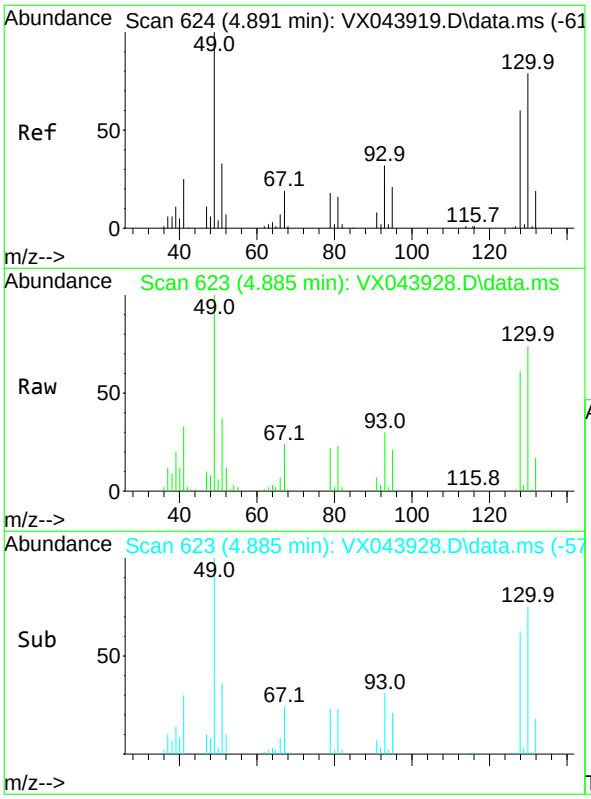
Tgt Ion: 96 Resp: 109742

Ion	Ratio	Lower	Upper
96	100		
61	148.7	0.0	279.4
98	63.9	0.0	131.6

Manual Integrations
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Supervised By :Mahesh Dadoda 11/22/2024

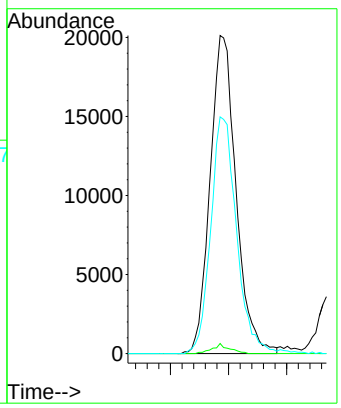


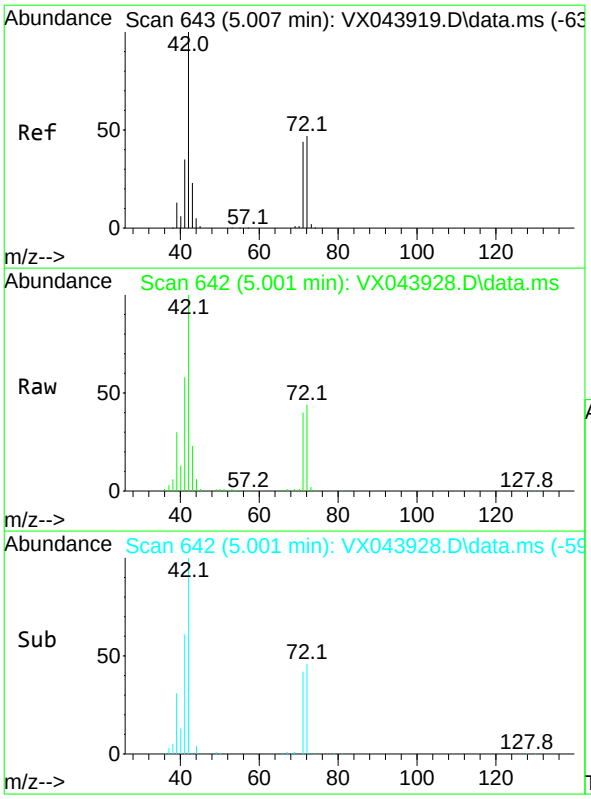


#28
Bromochloromethane
Concen: 49.360 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 49 Resp: 62386

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.4
130	73.8	68.2	102.2

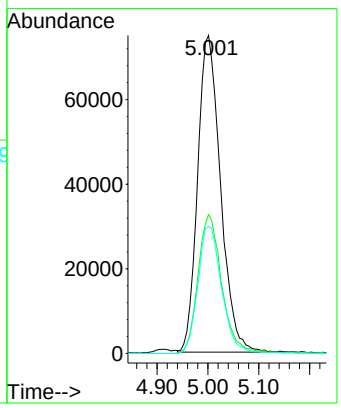




#29
Tetrahydrofuran
Concen: 303.060 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 42 Resp: 234208

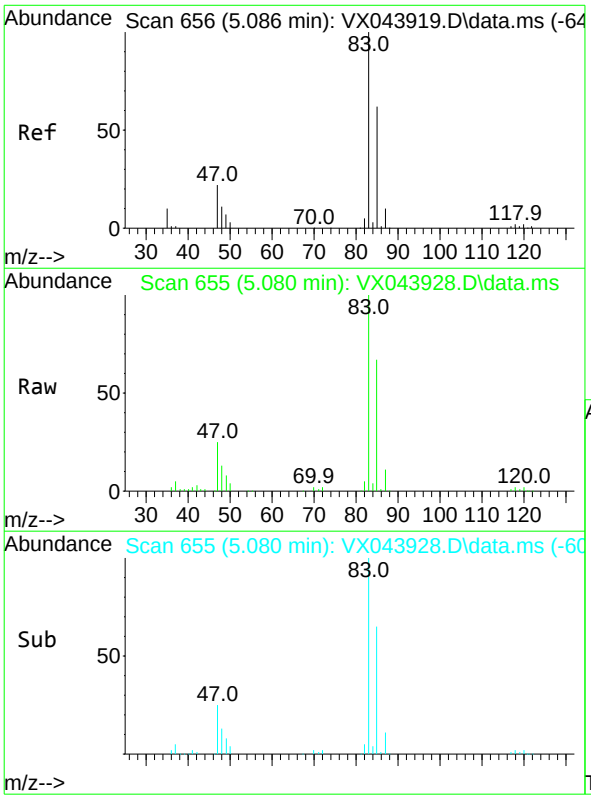
Ion	Ratio	Lower	Upper
42	100		
72	45.5	37.9	56.9
71	41.7	34.8	52.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

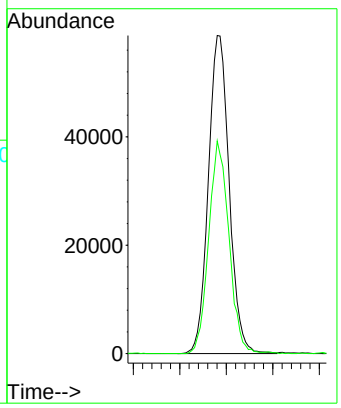
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

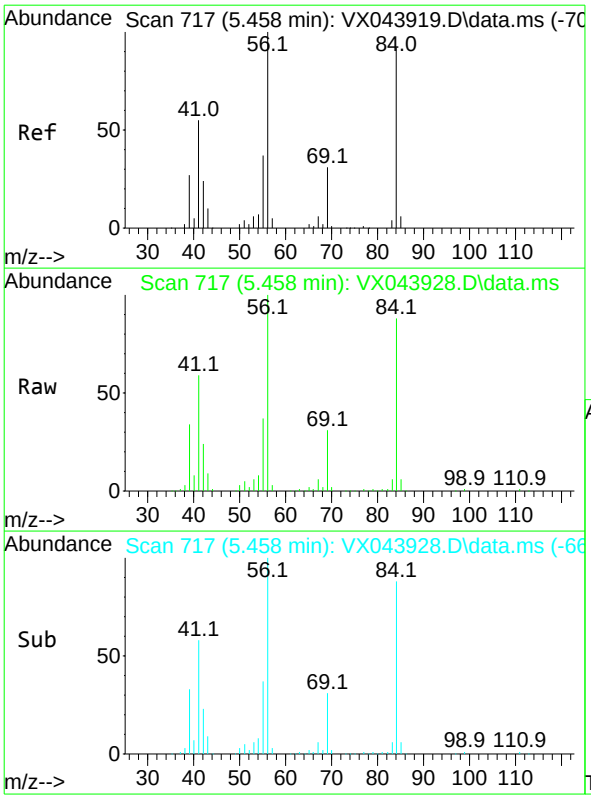


#30
Chloroform
Concen: 58.257 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 83 Resp: 182404

Ion	Ratio	Lower	Upper
83	100		
85	66.9	49.7	74.5





#31
Cyclohexane
Concen: 59.242 ug/l
RT: 5.458 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

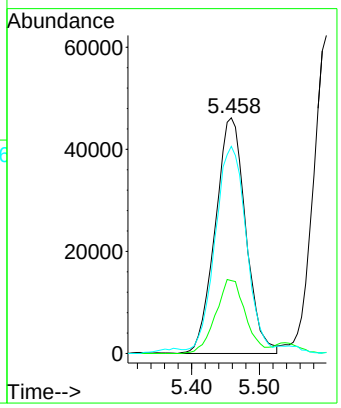
Tgt Ion: 56 Resp: 144224

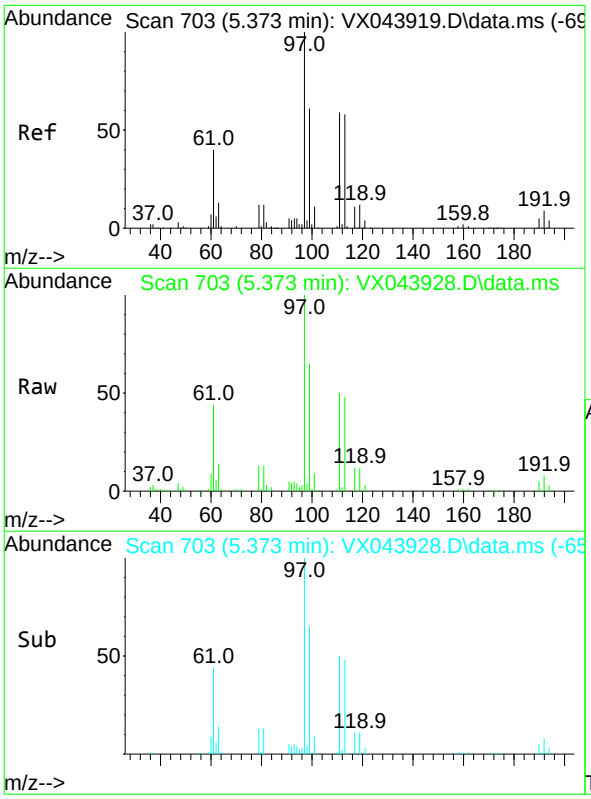
Ion	Ratio	Lower	Upper
56	100		
69	30.9	24.9	37.3
84	85.9	73.8	110.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

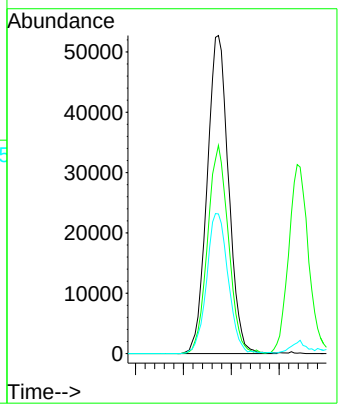


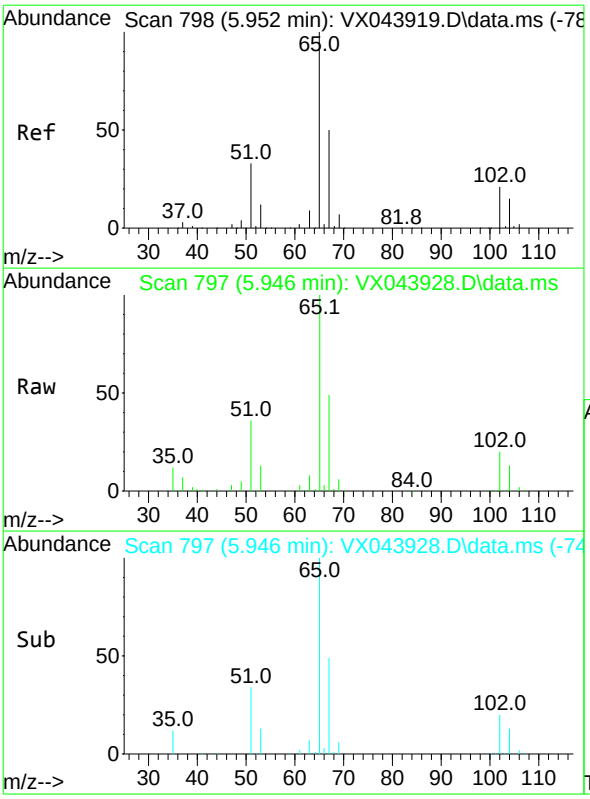


#32
1,1,1-Trichloroethane
Concen: 61.280 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 97 Resp: 164023

Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.2	76.8
61	44.3	32.9	49.3

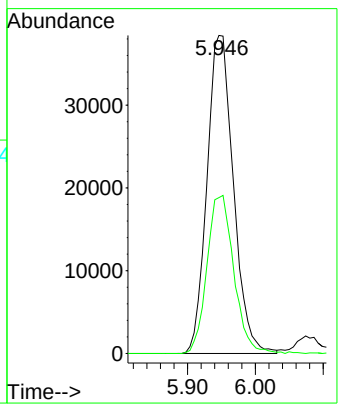




#33
1,2-Dichloroethane-d4
Concen: 48.899 ug/l
RT: 5.946 min Scan# 79
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 65 Resp: 104086

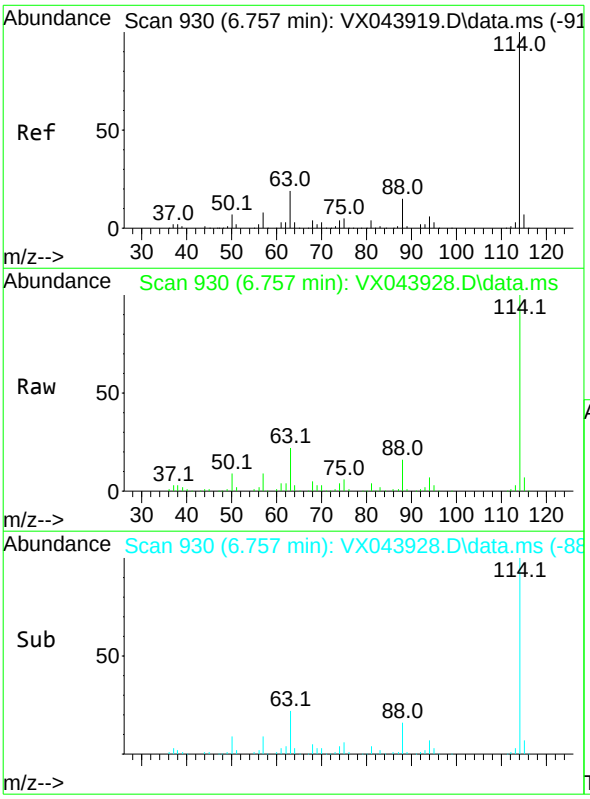
Ion	Ratio	Lower	Upper
65	100		
67	50.4	0.0	103.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

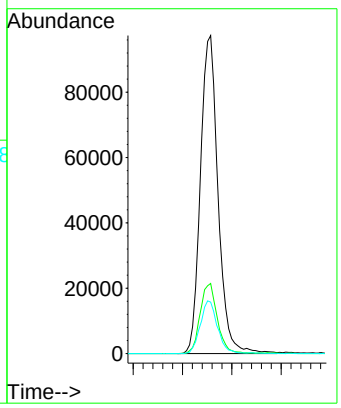
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

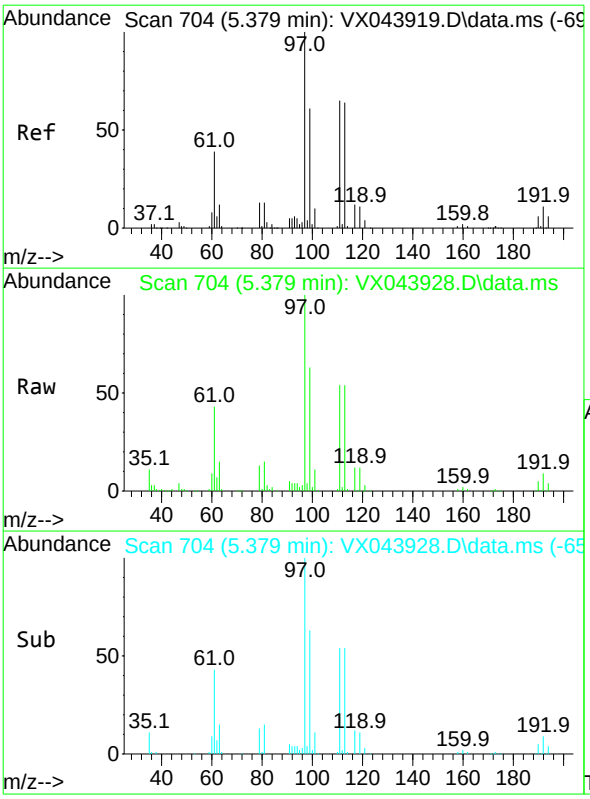


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:114 Resp: 241629

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	39.0
88	16.2	0.0	30.2





#35
Dibromofluoromethane
Concen: 48.663 ug/l
RT: 5.379 min Scan# 70
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

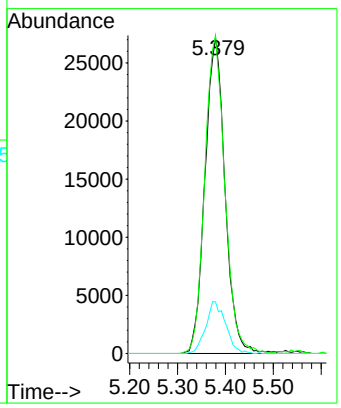
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

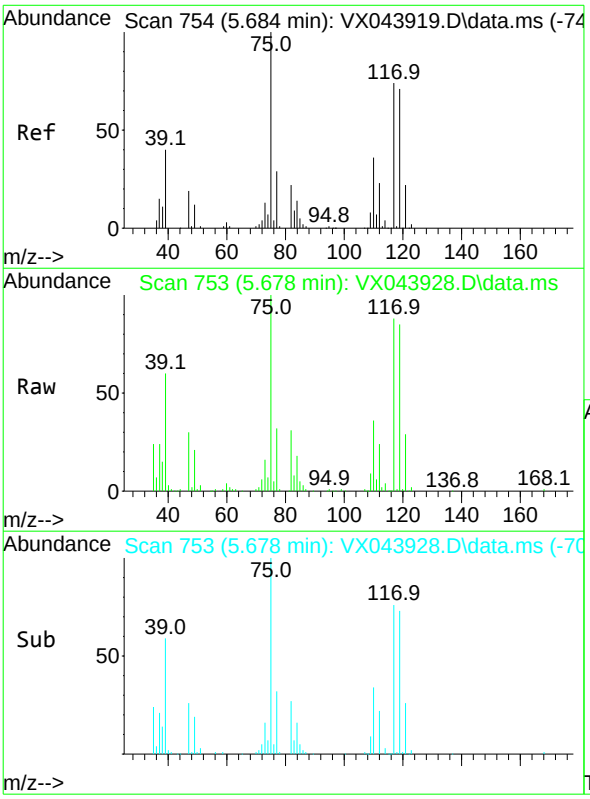
Tgt Ion:113 Resp: 78954

Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.0	121.6
192	16.3	14.2	21.2

Manual Integrations
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Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

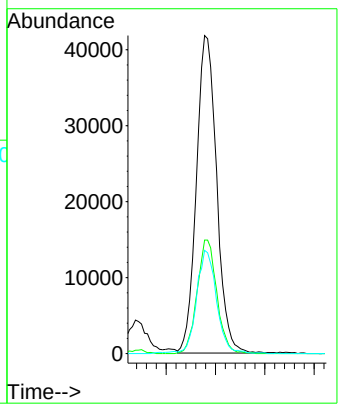


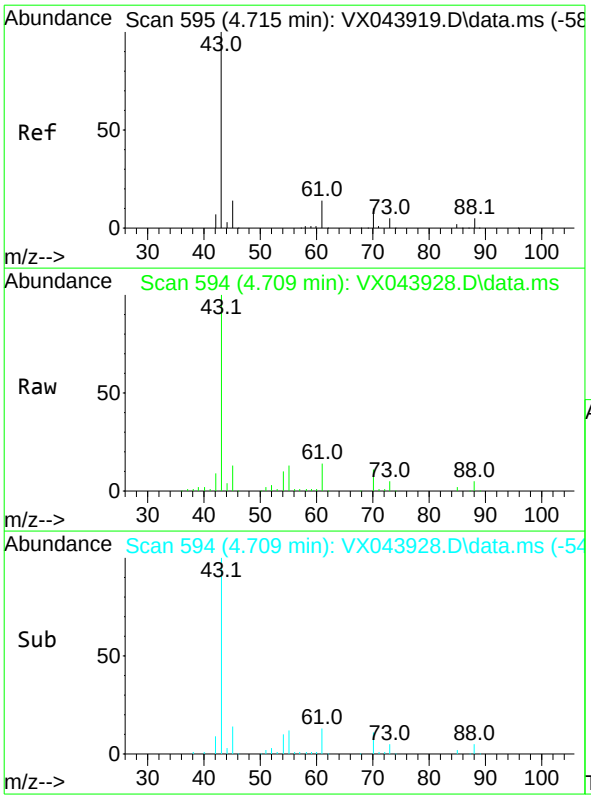


#36
1,1-Dichloropropene
Concen: 58.983 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 75 Resp: 119269

Ion	Ratio	Lower	Upper
75	100		
110	34.8	17.5	52.5
77	32.3	24.9	37.3

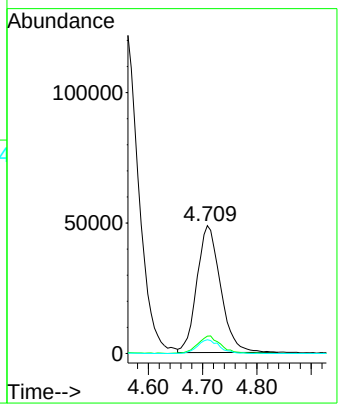




#37
Ethyl Acetate
Concen: 64.767 ug/l
RT: 4.709 min Scan# 59
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 43 Resp: 147393

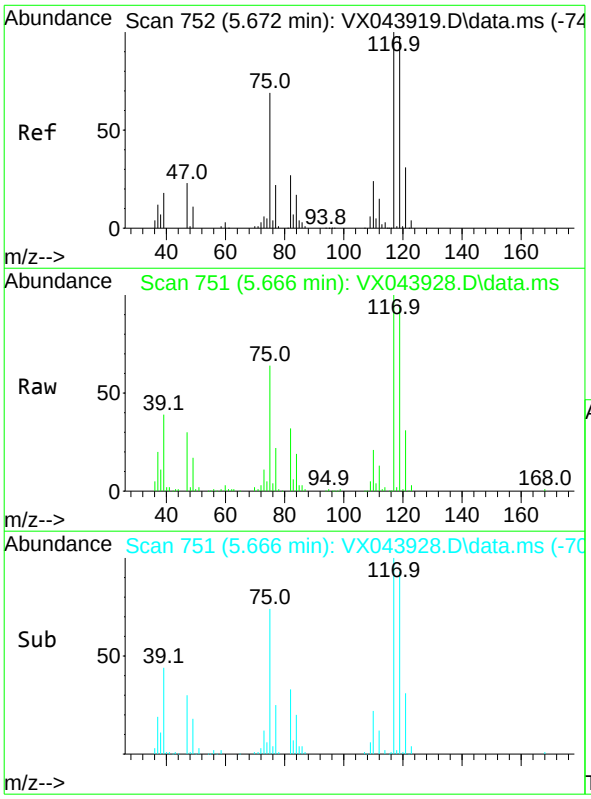
Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.5	17.3
70	10.0	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

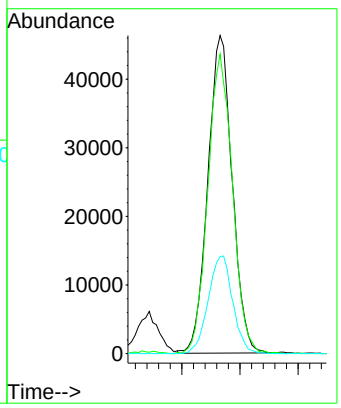
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

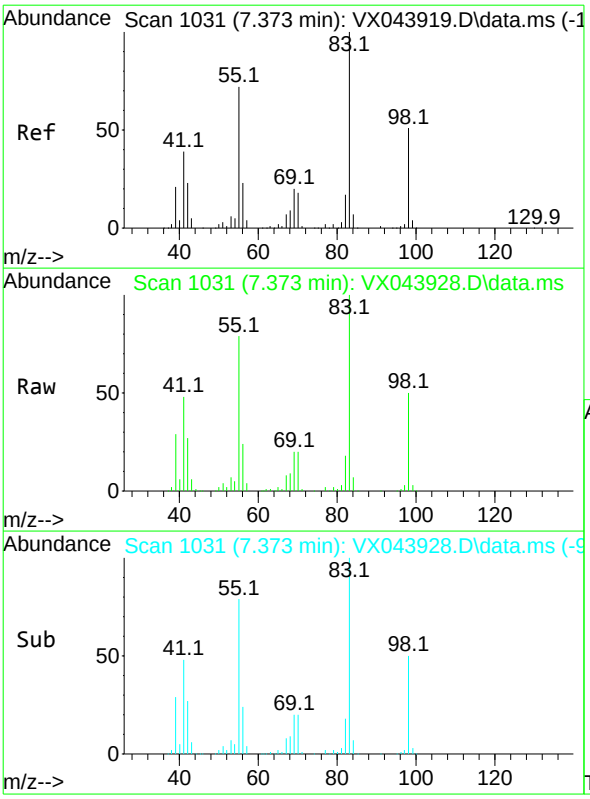


#38
Carbon Tetrachloride
Concen: 62.932 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:117 Resp: 134725

Ion	Ratio	Lower	Upper
117	100		
119	94.0	78.3	117.5
121	30.6	25.1	37.7

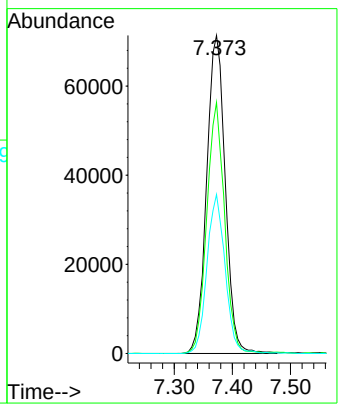




#39
Methylcyclohexane
Concen: 62.647 ug/l
RT: 7.373 min Scan# 10
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 83 Resp: 158586

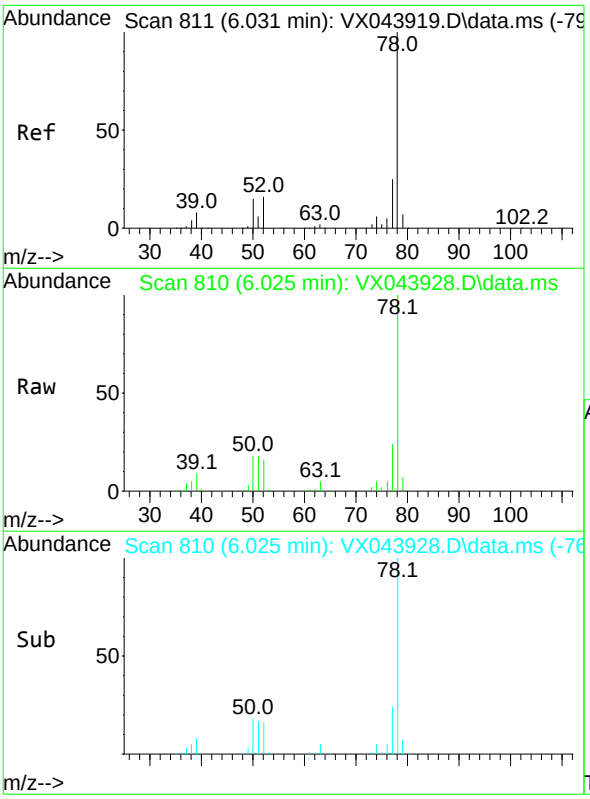
Ion	Ratio	Lower	Upper
83	100		
55	78.9	57.9	86.9
98	50.0	40.5	60.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

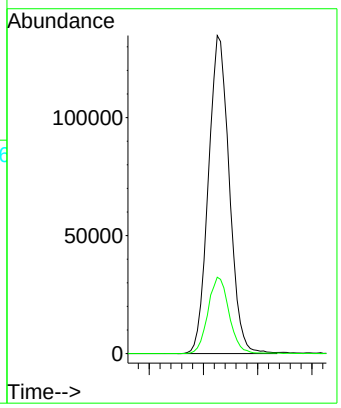
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

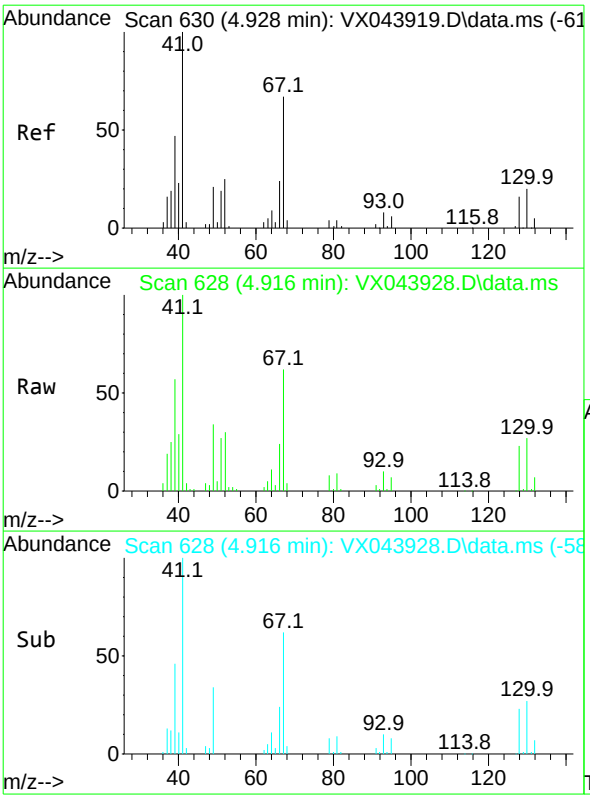


#40
Benzene
Concen: 56.780 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 78 Resp: 360978

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.8	29.8

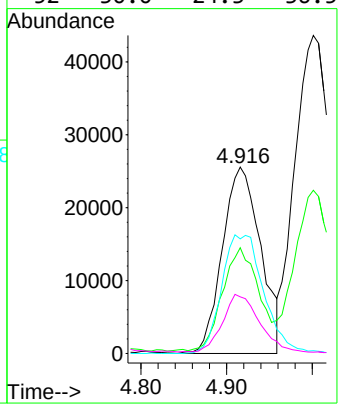




#41
Methacrylonitrile
Concen: 67.041 ug/l
RT: 4.916 min Scan# 62
Delta R.T. -0.012 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 41 Resp: 79507

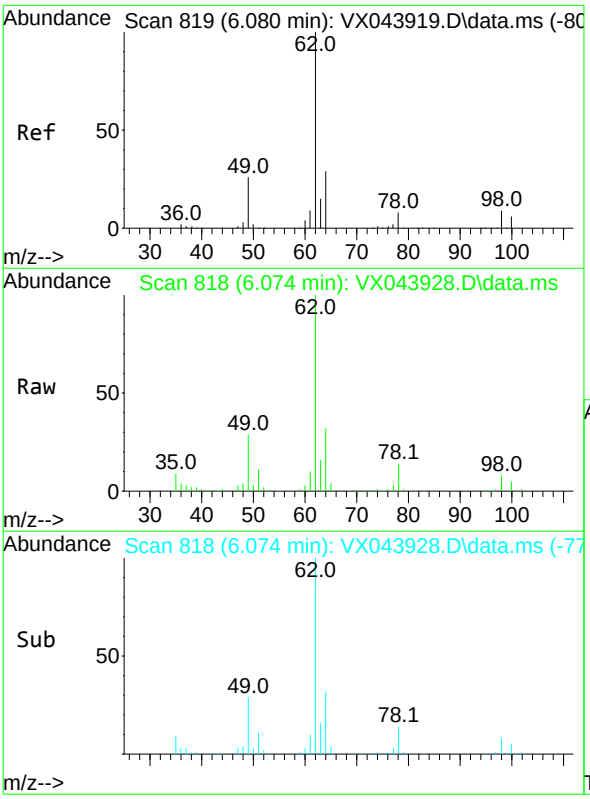
Ion	Ratio	Lower	Upper
41	100		
39	52.1	41.2	61.8
67	69.8	60.3	90.5
52	30.0	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

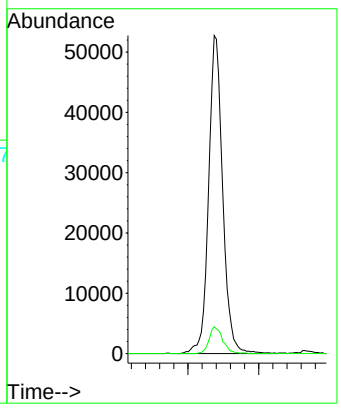
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

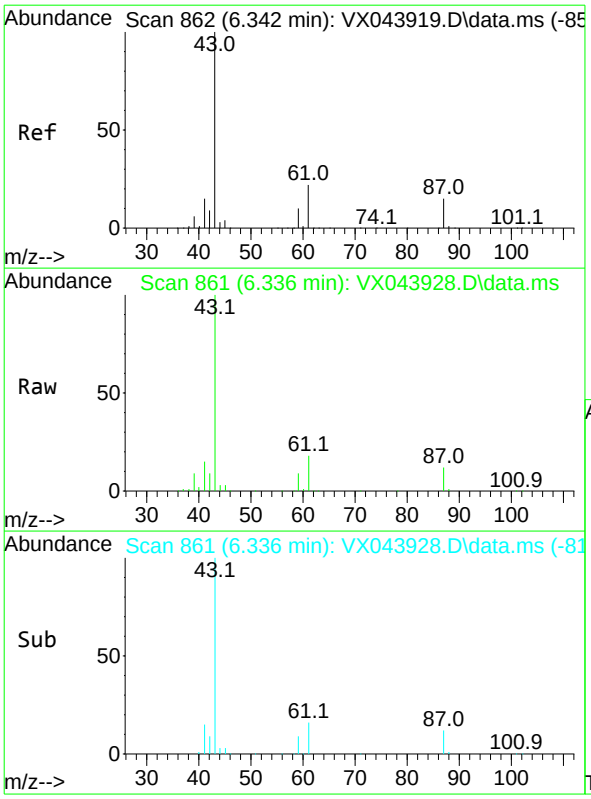


#42
1,2-Dichloroethane
Concen: 63.109 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 62 Resp: 145681

Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	18.6

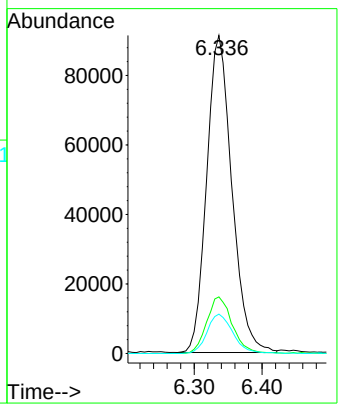




#43
Isopropyl Acetate
Concen: 65.697 ug/l
RT: 6.336 min Scan# 86
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 43 Resp: 235856

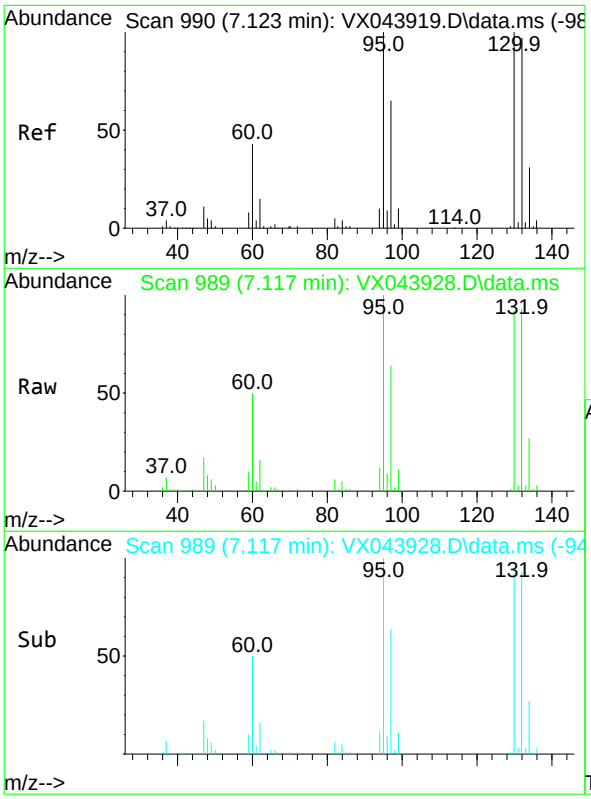
Ion	Ratio	Lower	Upper
43	100		
61	18.1	16.9	25.3
87	12.7	11.9	17.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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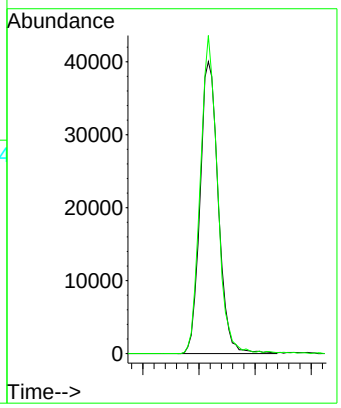
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

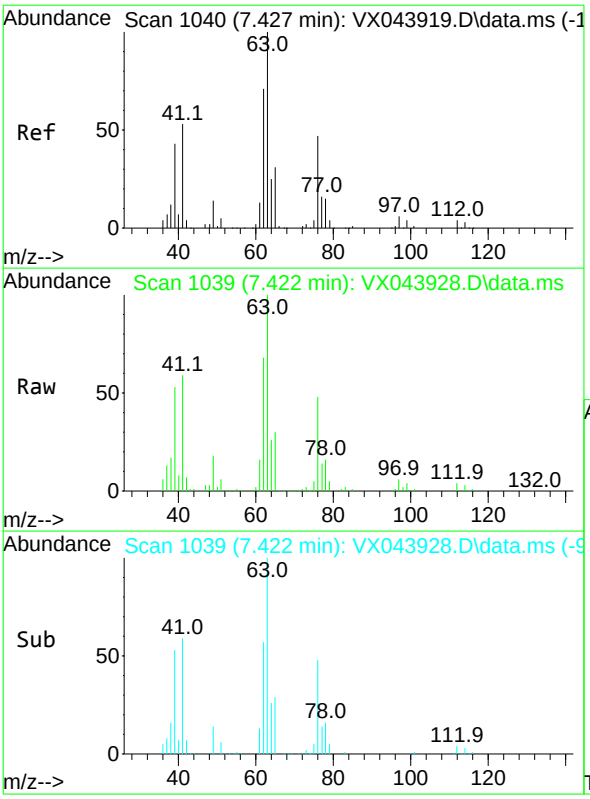


#44
Trichloroethene
Concen: 51.360 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:130 Resp: 90015

Ion	Ratio	Lower	Upper
130	100		
95	108.9	0.0	200.8

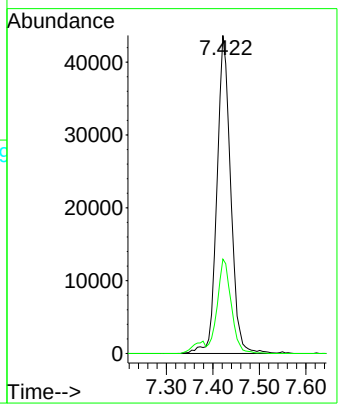




#45
1,2-Dichloropropane
Concen: 57.459 ug/l
RT: 7.422 min Scan# 10
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 63 Resp: 89529

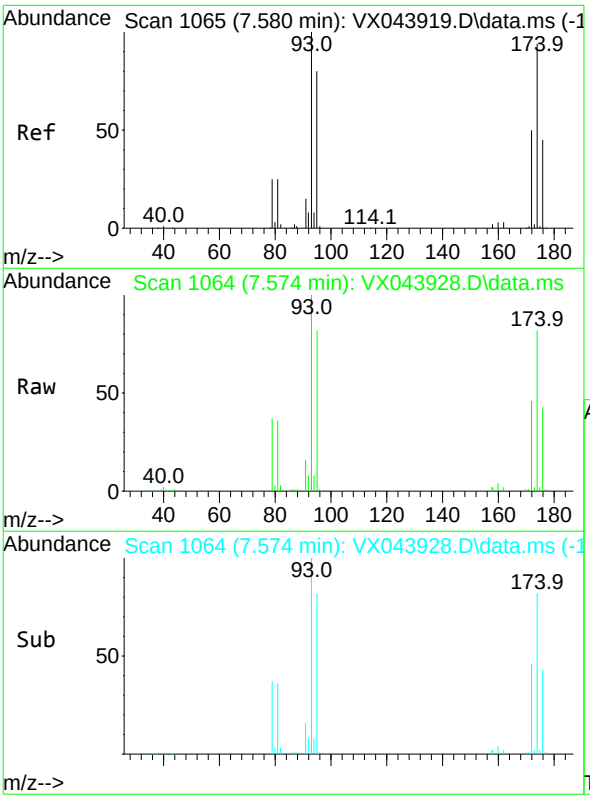
Ion	Ratio	Lower	Upper
63	100		
65	29.7	24.5	36.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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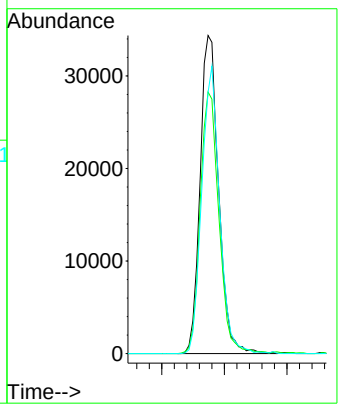
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

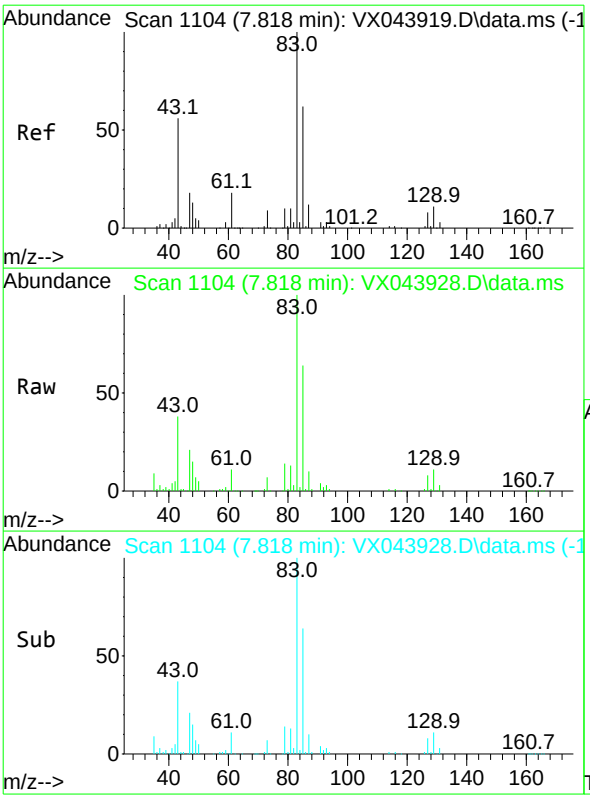


#46
Dibromomethane
Concen: 60.196 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 93 Resp: 70679

Ion	Ratio	Lower	Upper
93	100		
95	82.8	66.1	99.1
174	87.0	75.2	112.8





#47
Bromodichloromethane
Concen: 63.678 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

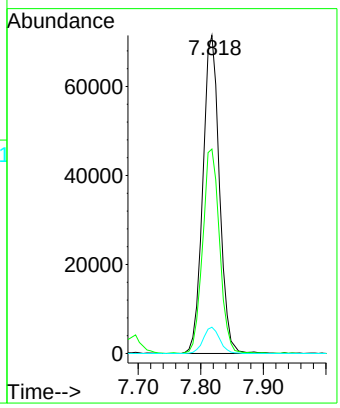
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

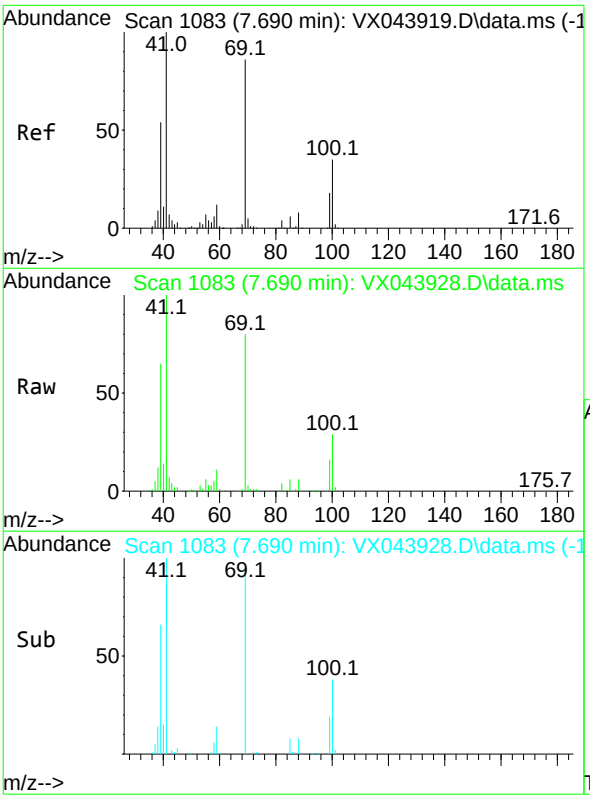
Tgt Ion: 83 Resp: 131365

Ion	Ratio	Lower	Upper
83	100		
85	64.2	49.4	74.0
127	8.3	6.2	9.4

Manual Integrations
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Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

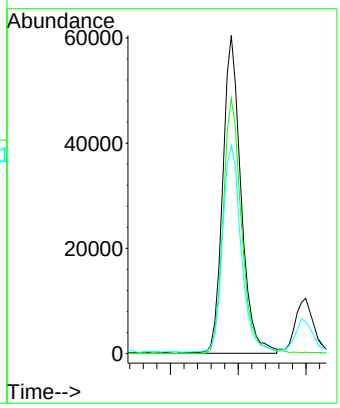


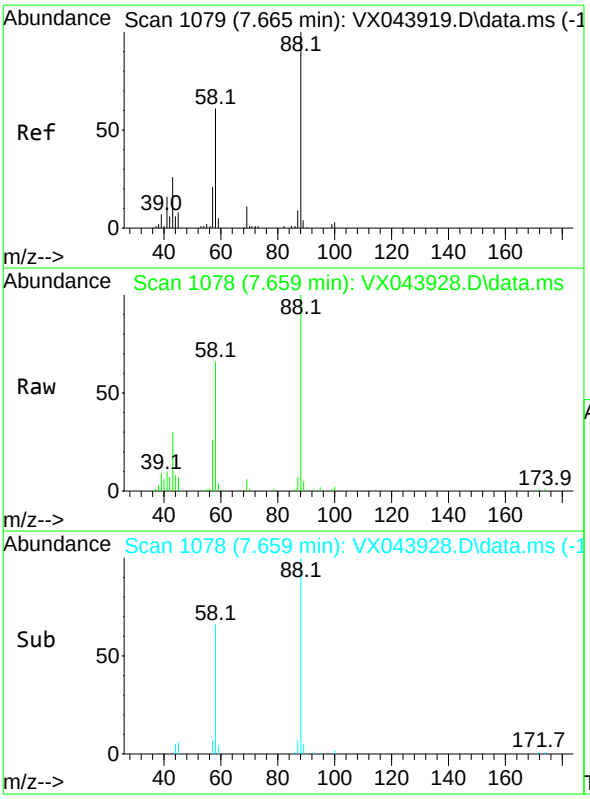


#48
Methyl methacrylate
Concen: 63.393 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 41 Resp: 112803

Ion	Ratio	Lower	Upper
41	100		
69	80.8	72.1	108.1
39	66.6	43.8	65.8#

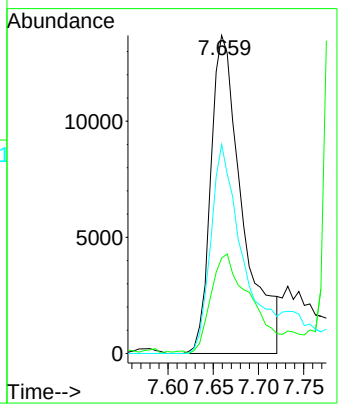




#49
1,4-Dioxane
Concen: 881.301 ug/l
RT: 7.659 min Scan# 10
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 88 Resp: 33402

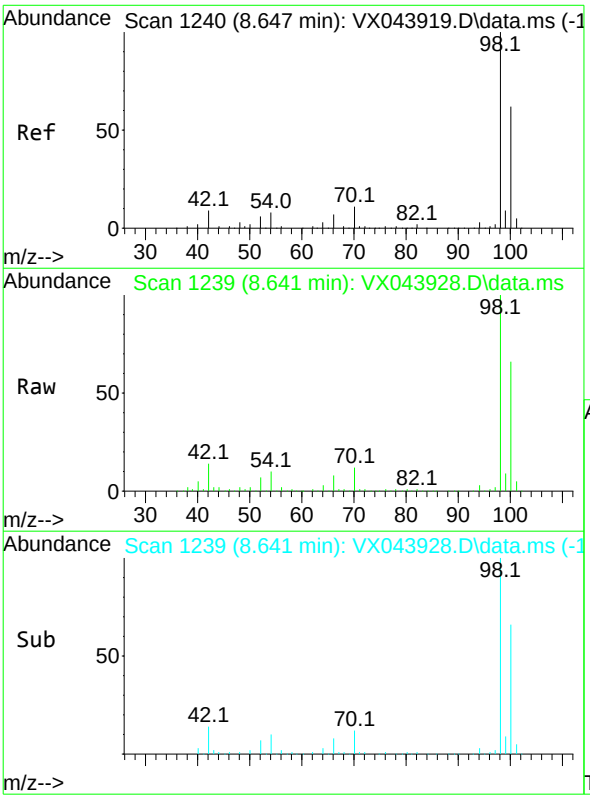
Ion	Ratio	Lower	Upper
88	100		
43	39.5	17.4	26.0#
58	66.8	41.0	61.6#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

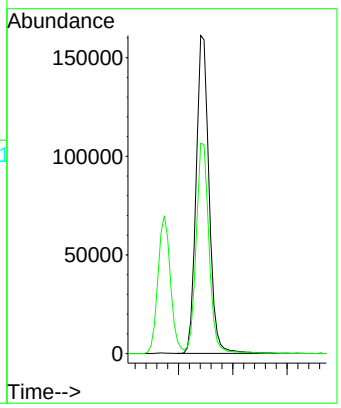
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

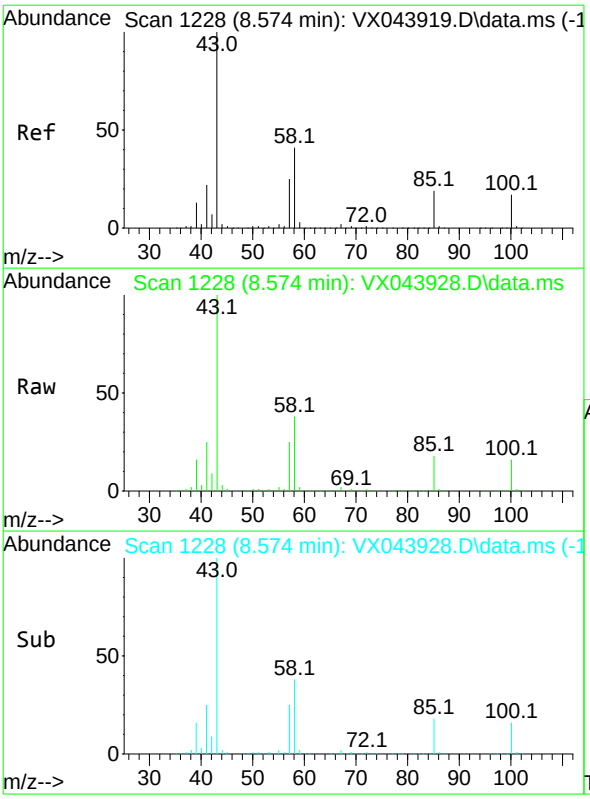


#50
Toluene-d8
Concen: 49.194 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 98 Resp: 266650

Ion	Ratio	Lower	Upper
98	100		
100	65.8	53.0	79.6

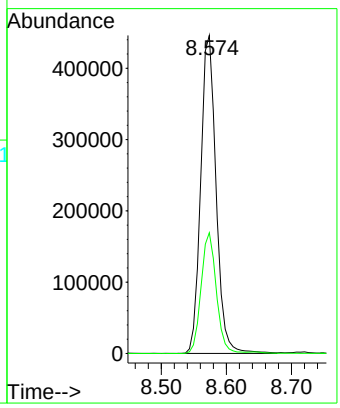




#51
4-Methyl-2-Pentanone
Concen: 327.265 ug/l
RT: 8.574 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 43 Resp: 732582

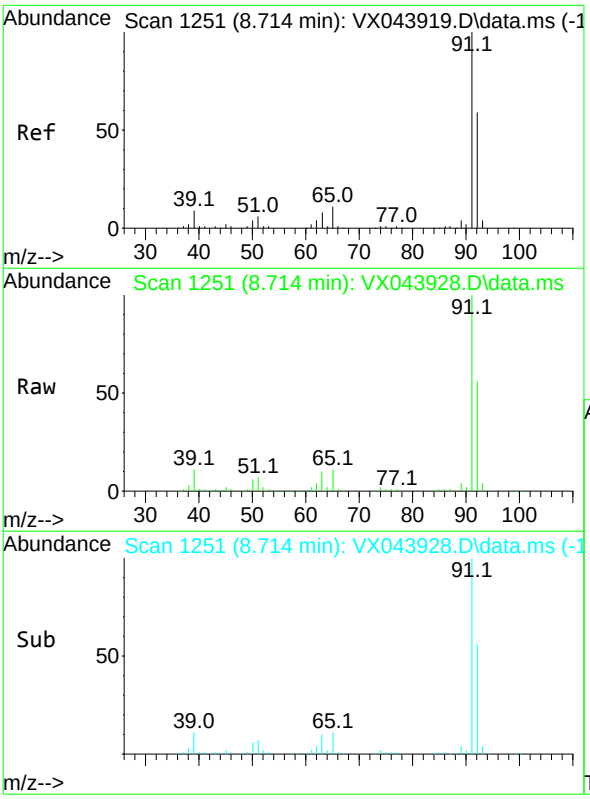
Ion	Ratio	Lower	Upper
43	100		
58	37.5	32.4	48.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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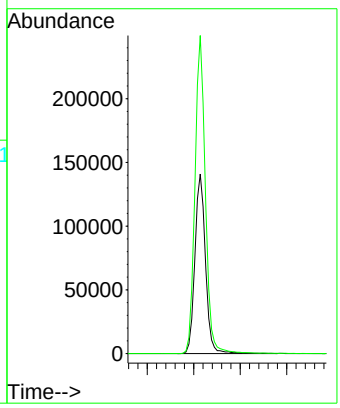
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

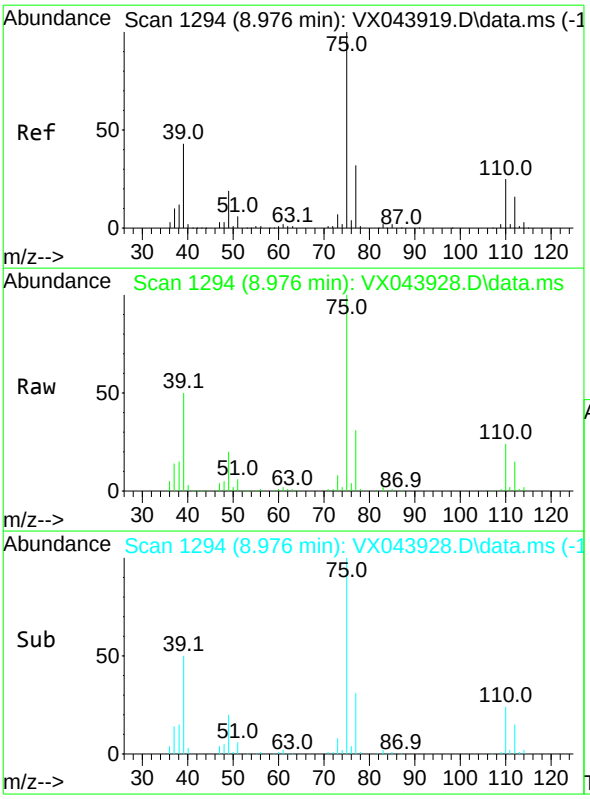


#52
Toluene
Concen: 60.664 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 92 Resp: 222500

Ion	Ratio	Lower	Upper
92	100		
91	174.6	136.2	204.4





#53
t-1,3-Dichloropropene
Concen: 65.667 ug/l
RT: 8.976 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

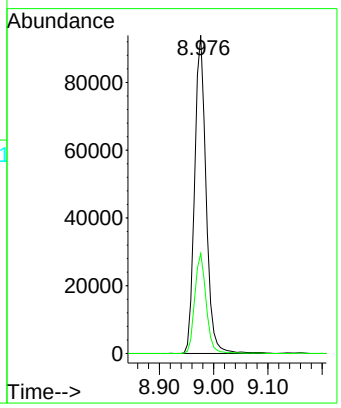
Tgt Ion: 75 Resp: 137451

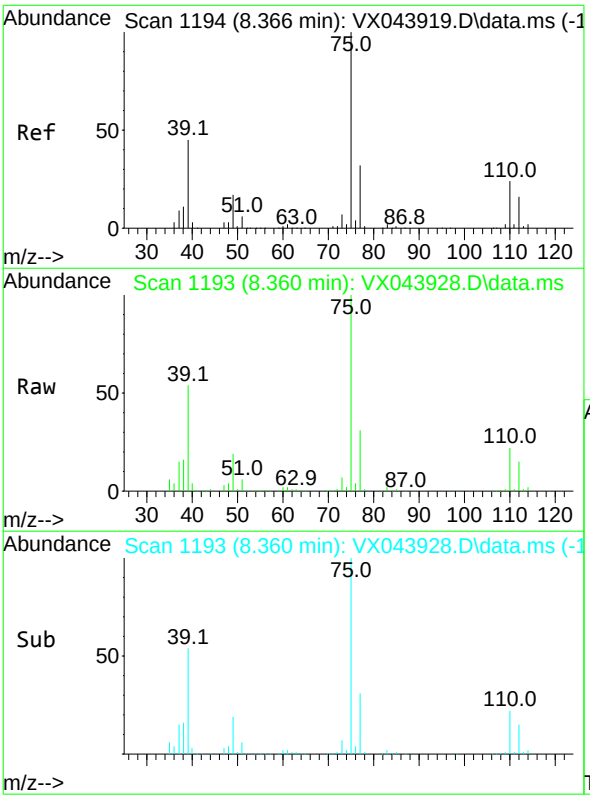
Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.9	38.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

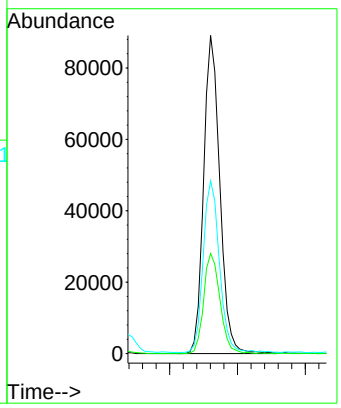


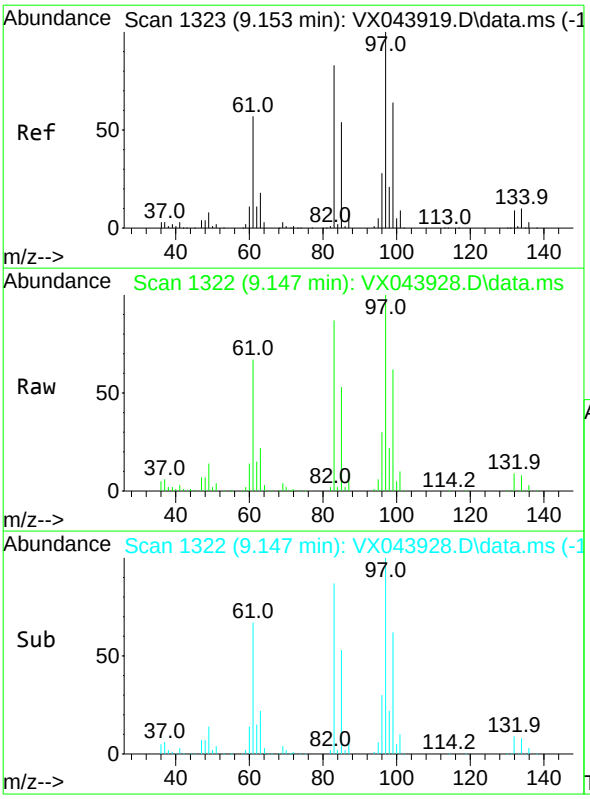


#54
cis-1,3-Dichloropropene
Concen: 62.243 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 75 Resp: 147638

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.4	38.2
39	53.9	36.1	54.1

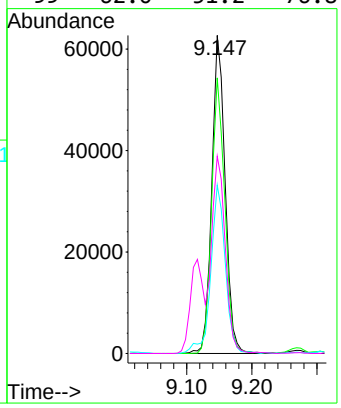




#55
1,1,2-Trichloroethane
Concen: 62.501 ug/l
RT: 9.147 min Scan# 13
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 97 Resp: 89441

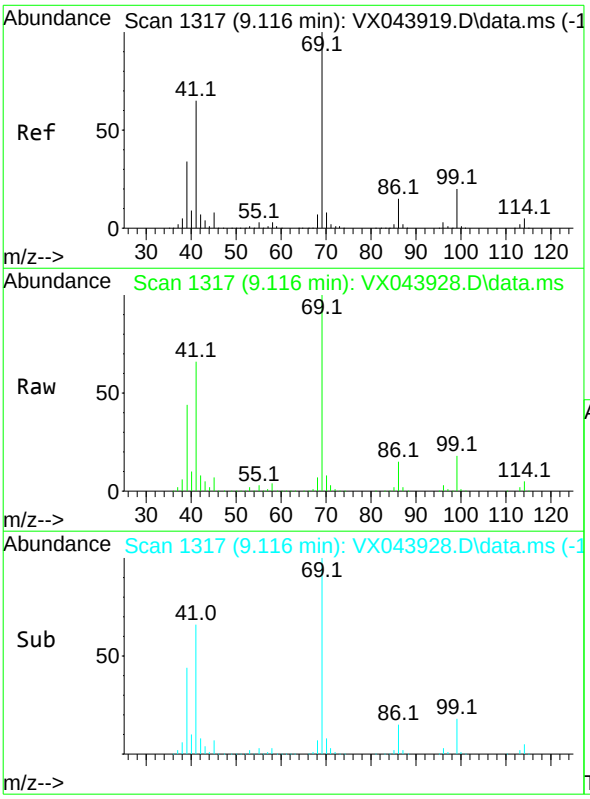
Ion	Ratio	Lower	Upper
97	100		
83	86.7	66.5	99.7
85	52.9	43.4	65.2
99	62.0	51.2	76.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

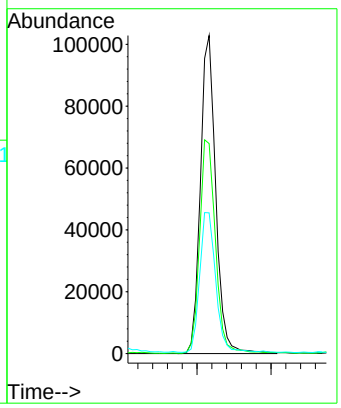
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

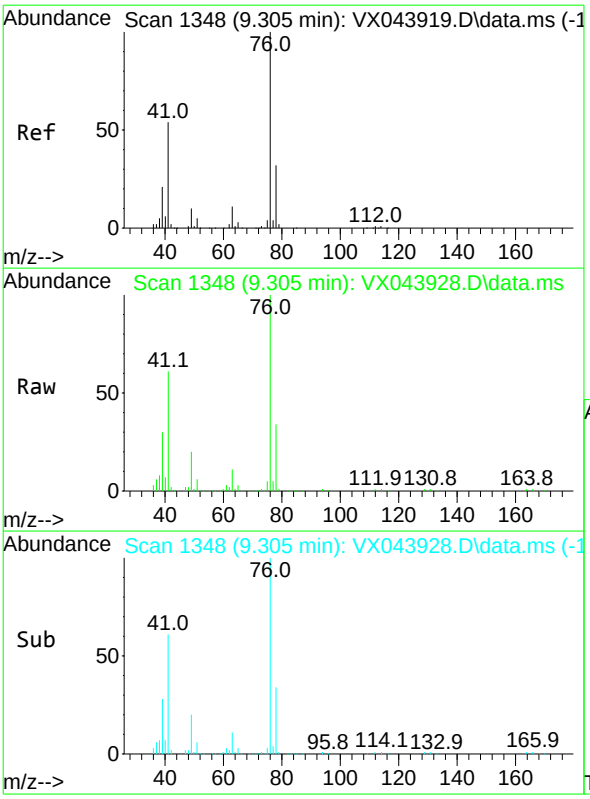


#56
Ethyl methacrylate
Concen: 65.443 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 69 Resp: 148281

Ion	Ratio	Lower	Upper
69	100		
41	69.8	51.7	77.5
39	45.9	26.8	40.2#

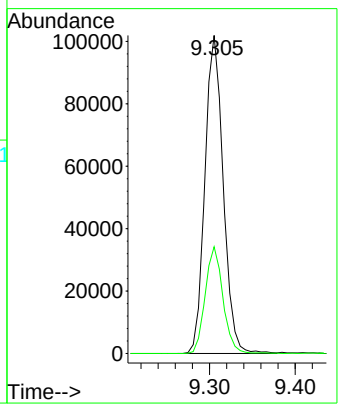




#57
1,3-Dichloropropane
Concen: 63.034 ug/l
RT: 9.305 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 76 Resp: 151124

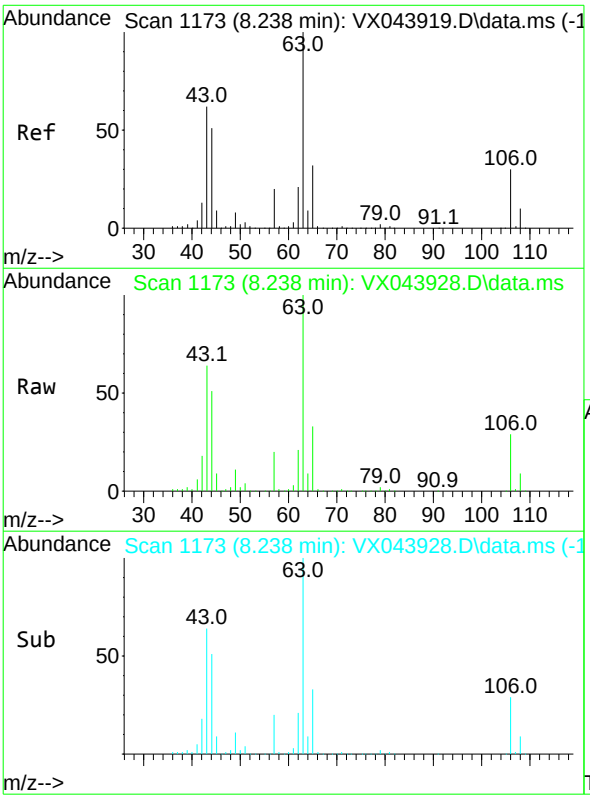
Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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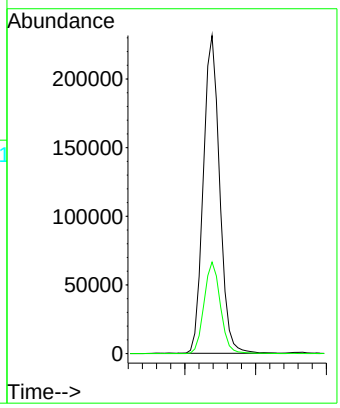
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

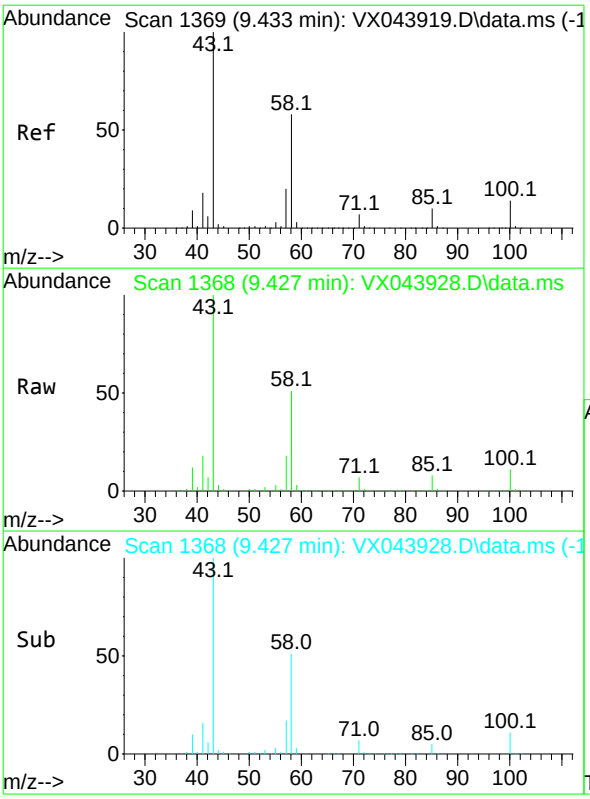


#58
2-Chloroethyl Vinyl ether
Concen: 312.467 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 63 Resp: 371281

Ion	Ratio	Lower	Upper
63	100		
106	28.8	23.8	35.6

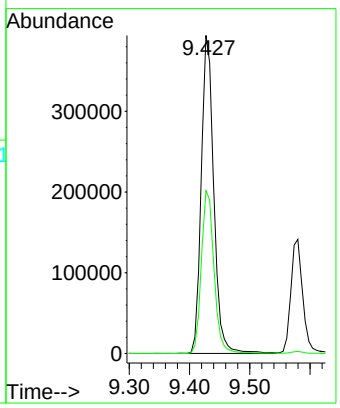




#59
2-Hexanone
Concen: 359.925 ug/l
RT: 9.427 min Scan# 13
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 43 Resp: 568460

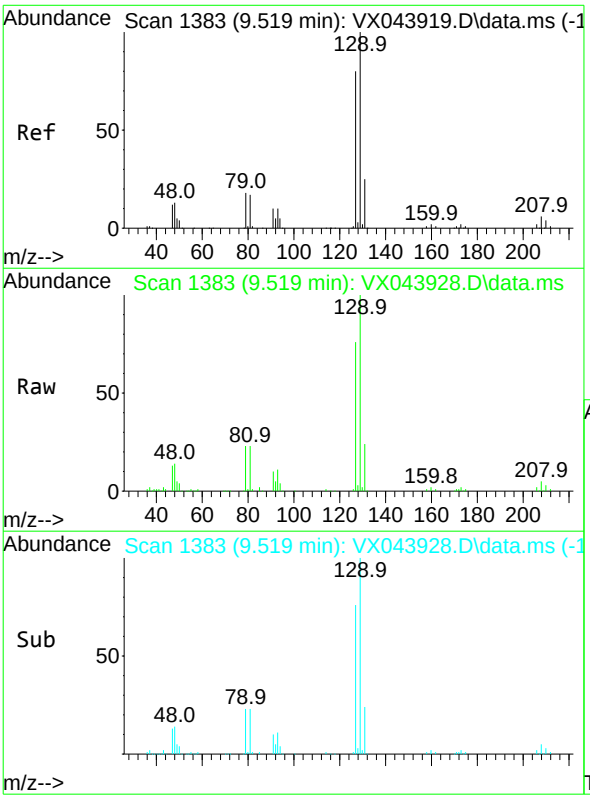
Ion	Ratio	Lower	Upper
43	100		
58	51.7	28.3	84.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

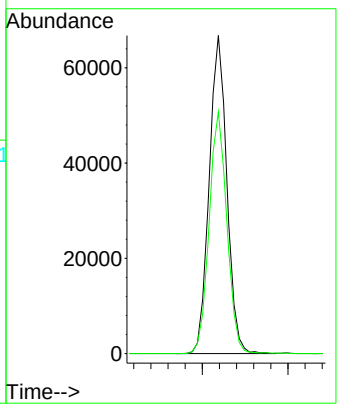
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

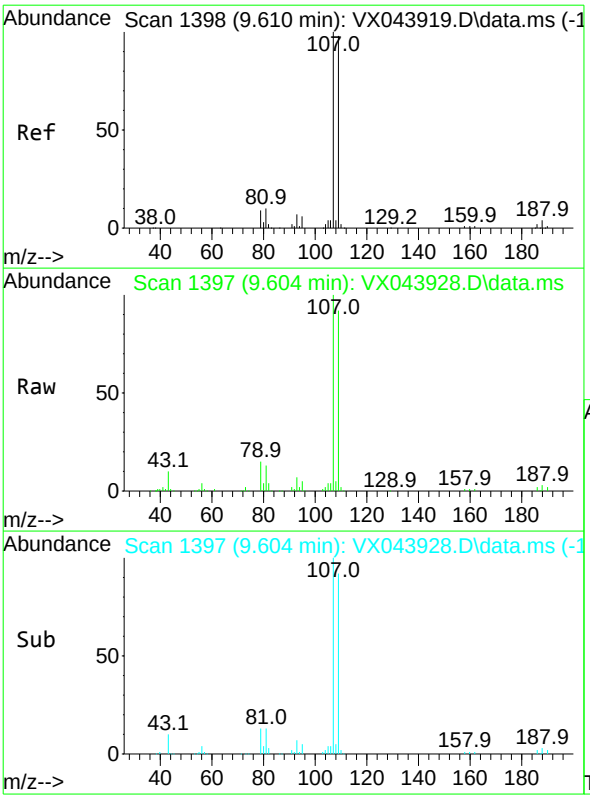


#60
Dibromochloromethane
Concen: 68.588 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:129 Resp: 95641

Ion	Ratio	Lower	Upper
129	100		
127	76.4	38.6	115.8

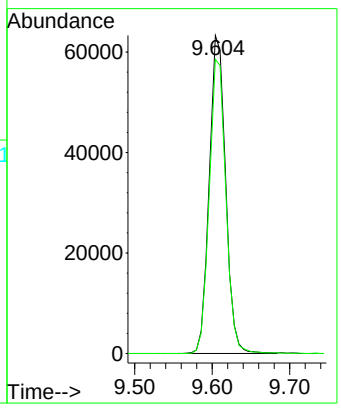




#61
1,2-Dibromoethane
Concen: 62.263 ug/l
RT: 9.604 min Scan# 13
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:107 Resp: 92940

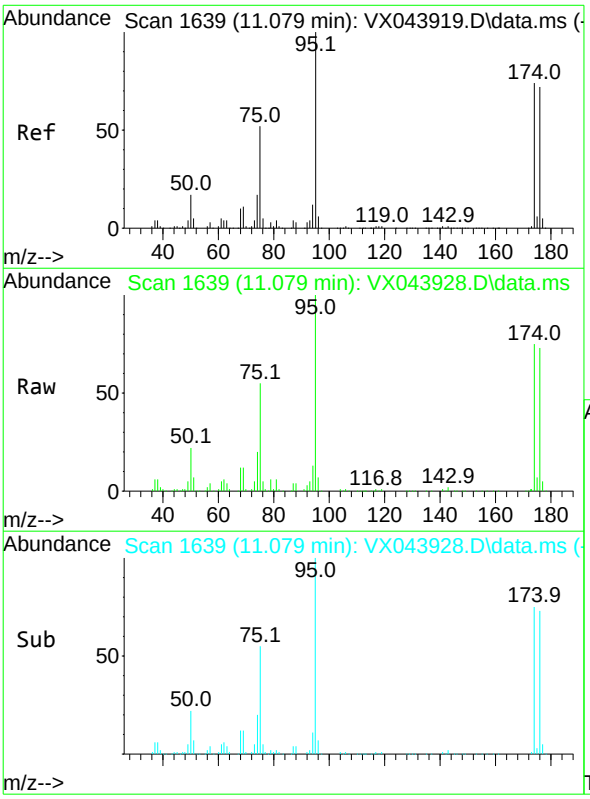
Ion	Ratio	Lower	Upper
107	100		
109	94.0	76.2	114.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

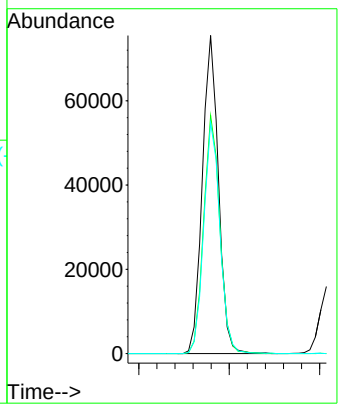
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

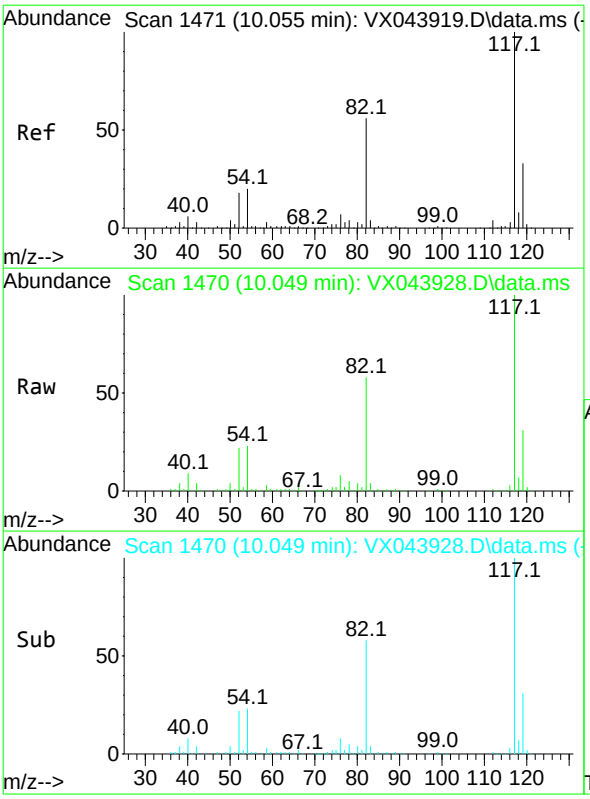


#62
4-Bromofluorobenzene
Concen: 52.209 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 95 Resp: 93510

Ion	Ratio	Lower	Upper
95	100		
174	75.2	0.0	152.2
176	73.0	0.0	145.8

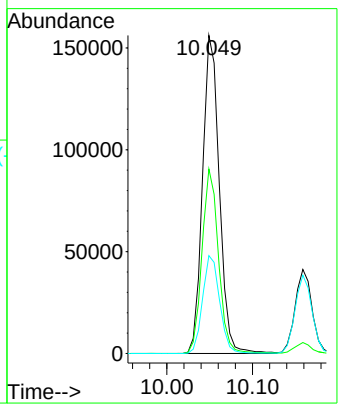




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:117 Resp: 212243

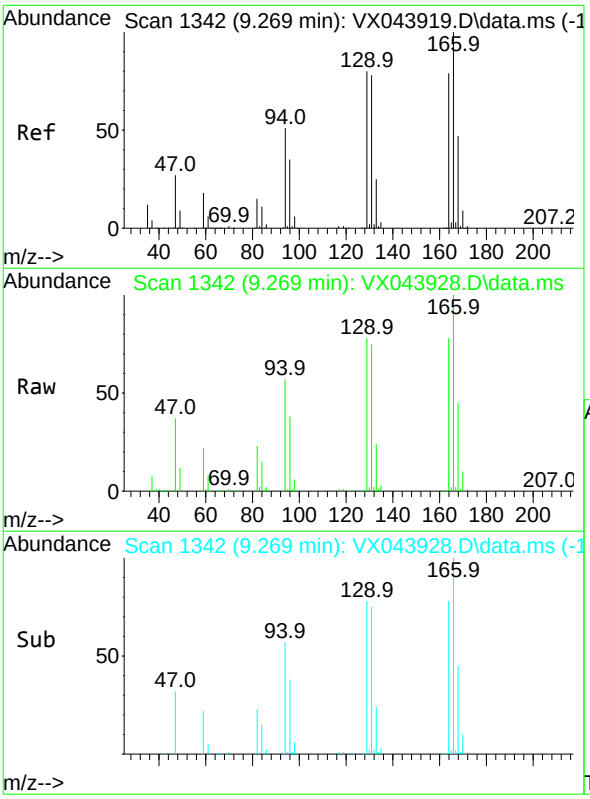
Ion	Ratio	Lower	Upper
117	100		
82	58.0	44.6	67.0
119	30.8	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

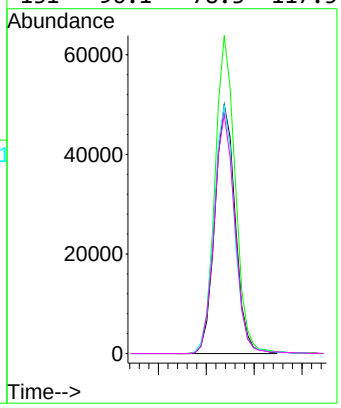
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

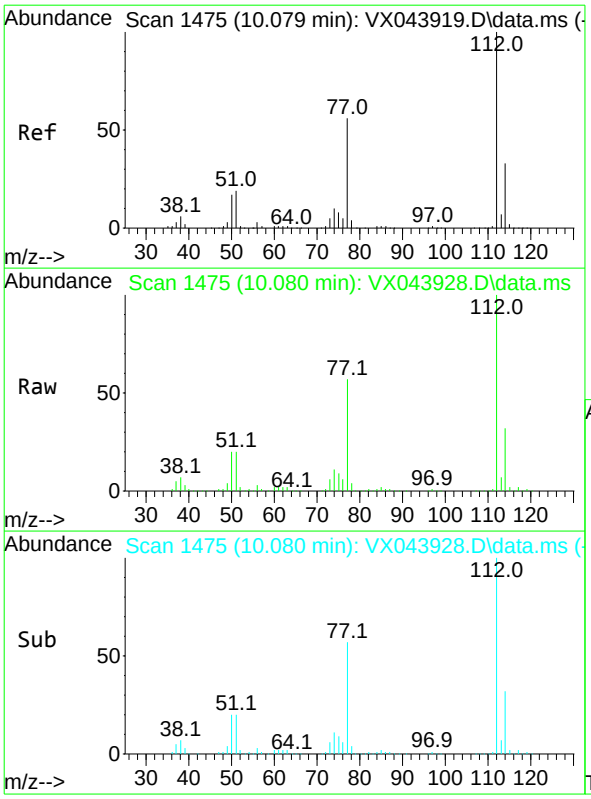


#64
Tetrachloroethene
Concen: 54.472 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:164 Resp: 74157

Ion	Ratio	Lower	Upper
164	100		
166	127.6	100.9	151.3
129	99.5	80.3	120.5
131	96.1	78.3	117.5

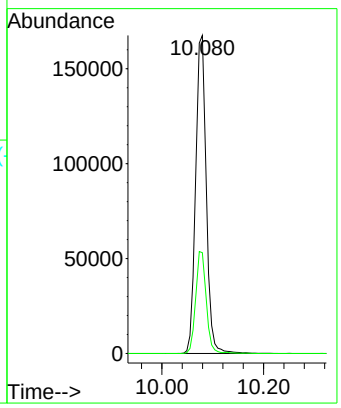




#65
Chlorobenzene
Concen: 54.828 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:112 Resp: 243080

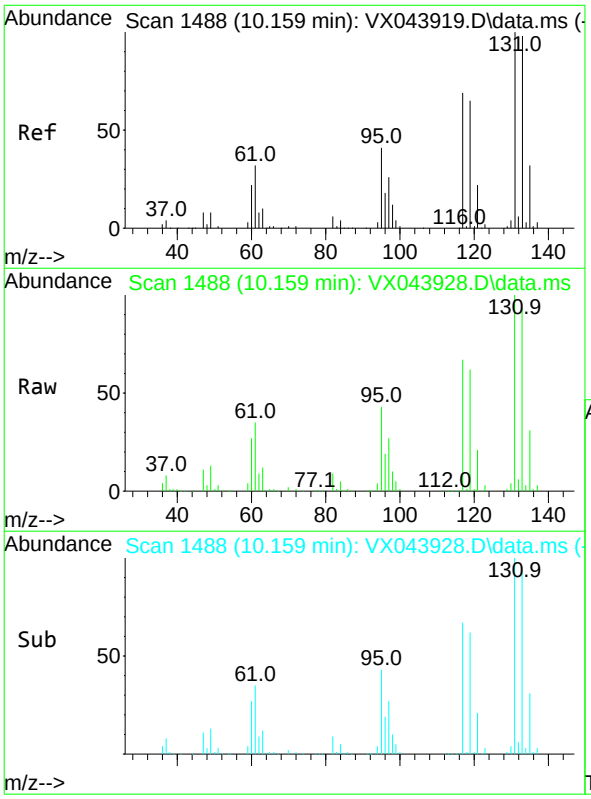
Ion	Ratio	Lower	Upper
112	100		
114	31.7	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

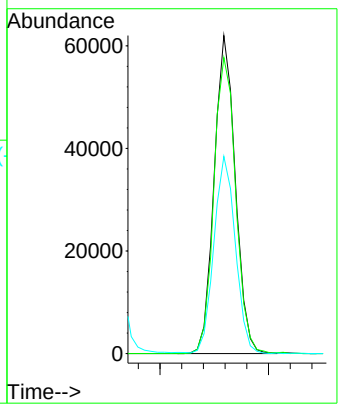
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

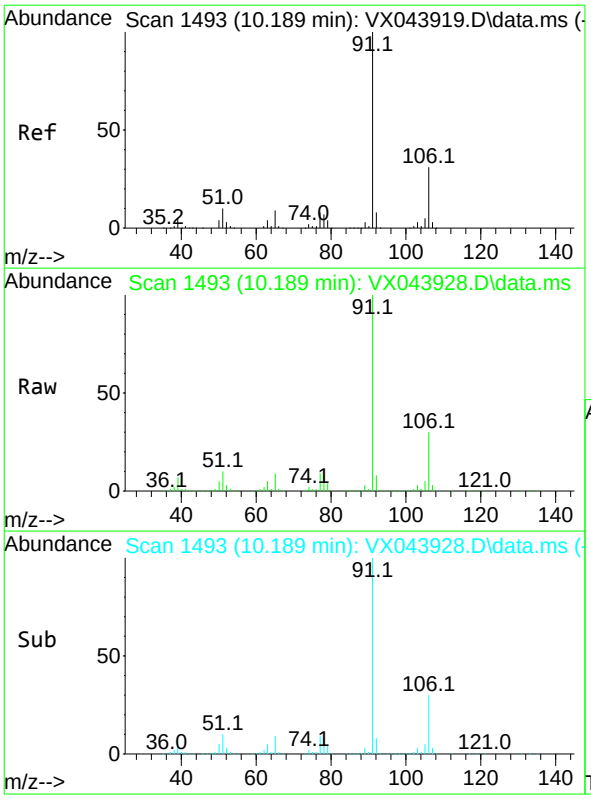


#66
1,1,1,2-Tetrachloroethane
Concen: 56.885 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:131 Resp: 83934

Ion	Ratio	Lower	Upper
131	100		
133	96.4	48.8	146.3
119	63.0	32.9	98.7





#67
Ethyl Benzene
Concen: 57.573 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

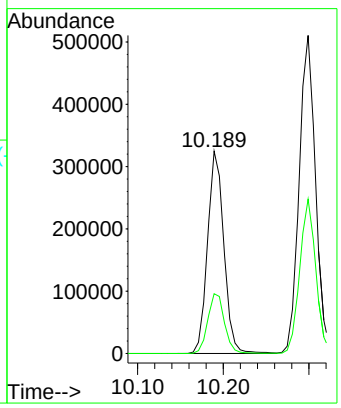
Tgt Ion: 91 Resp: 429559

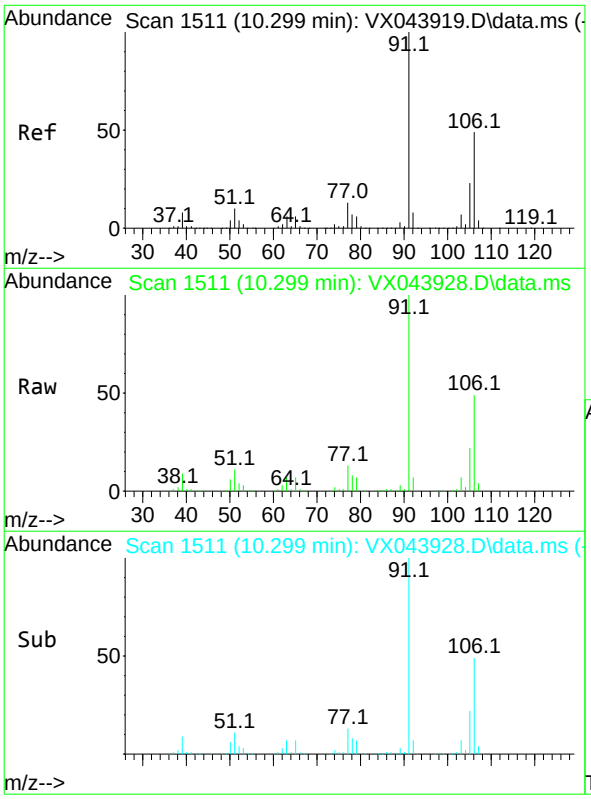
Ion	Ratio	Lower	Upper
91	100		
106	29.5	25.0	37.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

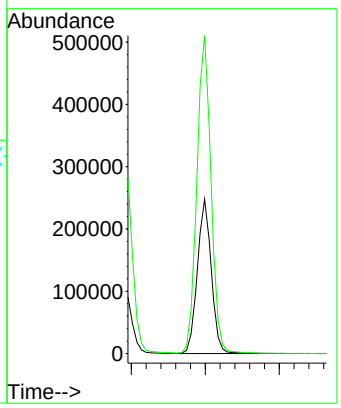


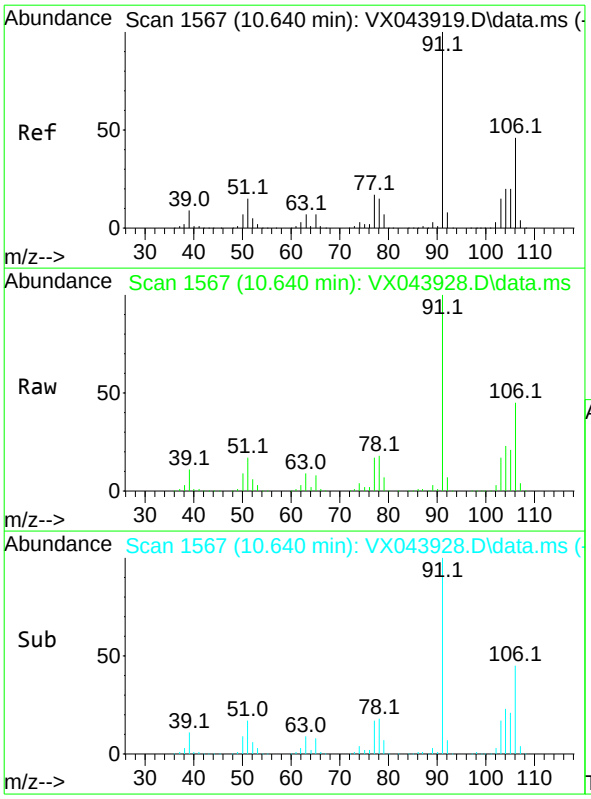


#68
m/p-Xylenes
Concen: 116.466 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:106 Resp: 323661

Ion	Ratio	Lower	Upper
106	100		
91	210.1	163.3	244.9

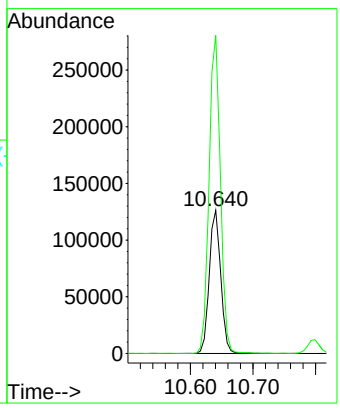




#69
o-Xylene
Concen: 59.245 ug/l
RT: 10.640 min Scan# 15
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:106 Resp: 160643

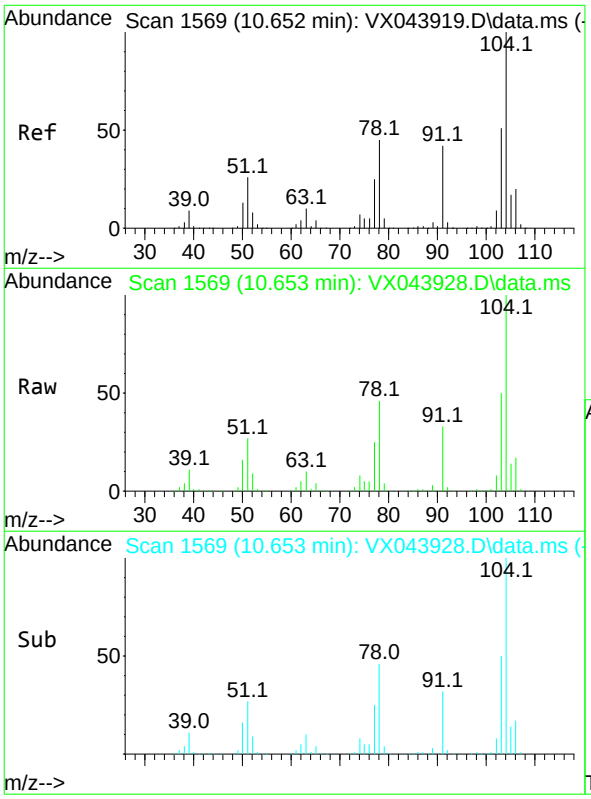
Ion	Ratio	Lower	Upper
106	100		
91	220.4	109.6	328.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

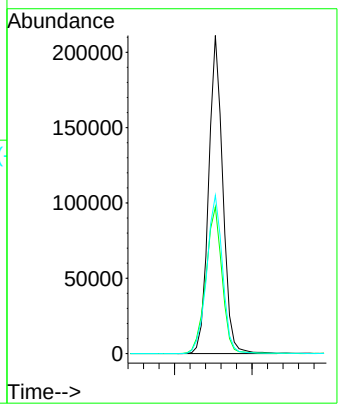
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

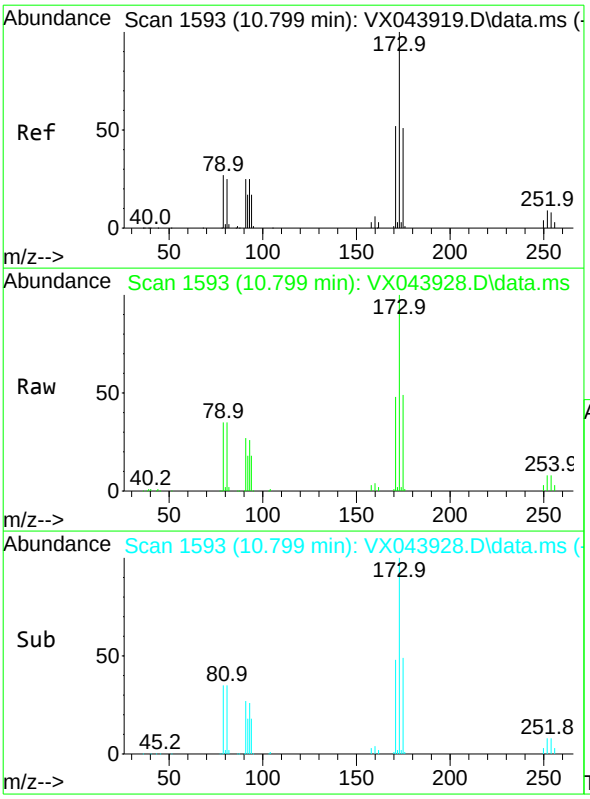


#70
Styrene
Concen: 59.974 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:104 Resp: 268004

Ion	Ratio	Lower	Upper
104	100		
78	52.7	40.3	60.5
103	55.9	43.9	65.9

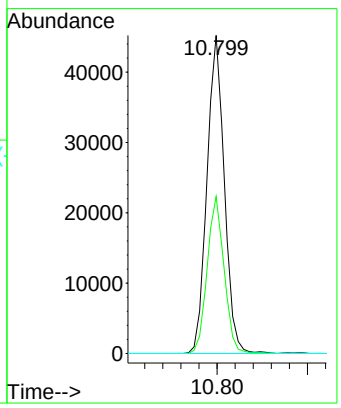




#71
Bromoform
Concen: 62.587 ug/l
RT: 10.799 min Scan# 15
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:173 Resp: 60267

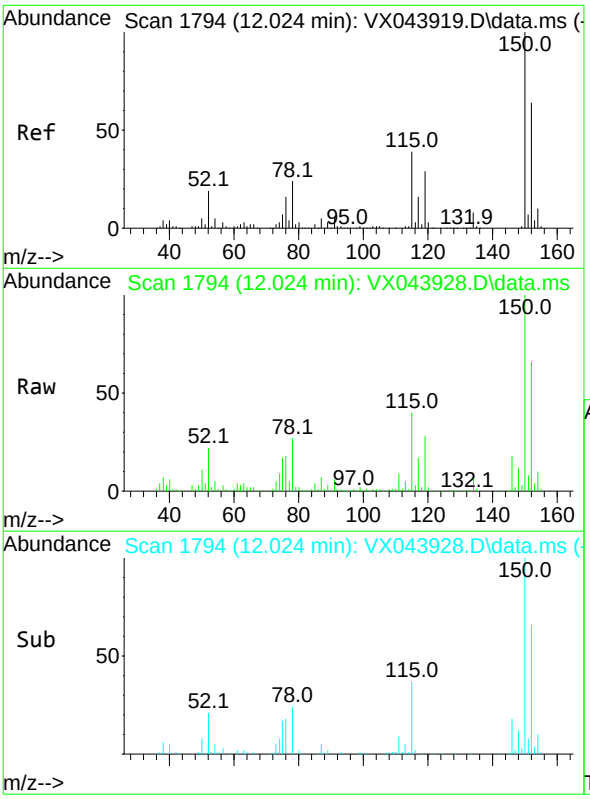
Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.6	73.8
254	0.0	0.1	0.1#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

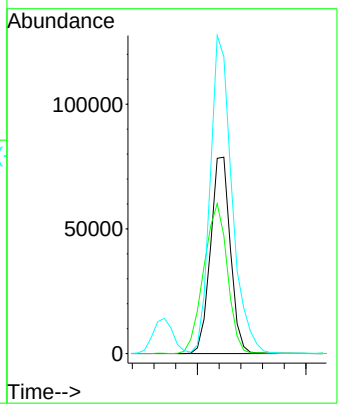
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

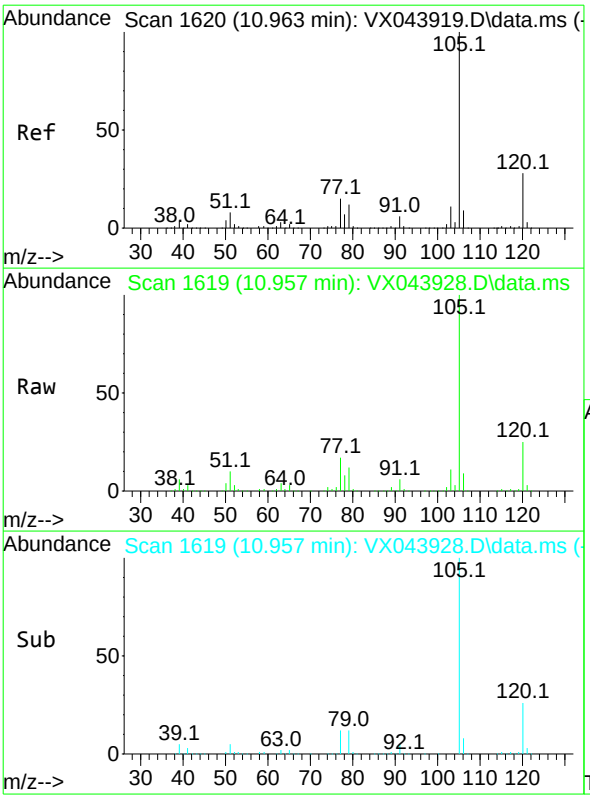


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:152 Resp: 100316

Ion	Ratio	Lower	Upper
152	100		
115	90.8	42.1	126.3
150	176.5	0.0	348.2

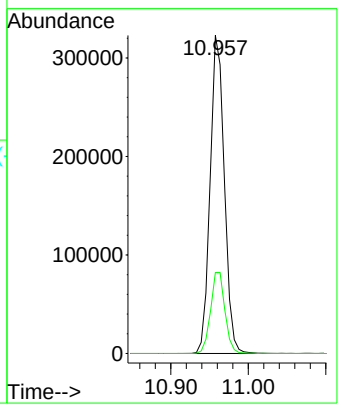




#73
Isopropylbenzene
Concen: 57.397 ug/l
RT: 10.957 min Scan# 16
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:105 Resp: 411000

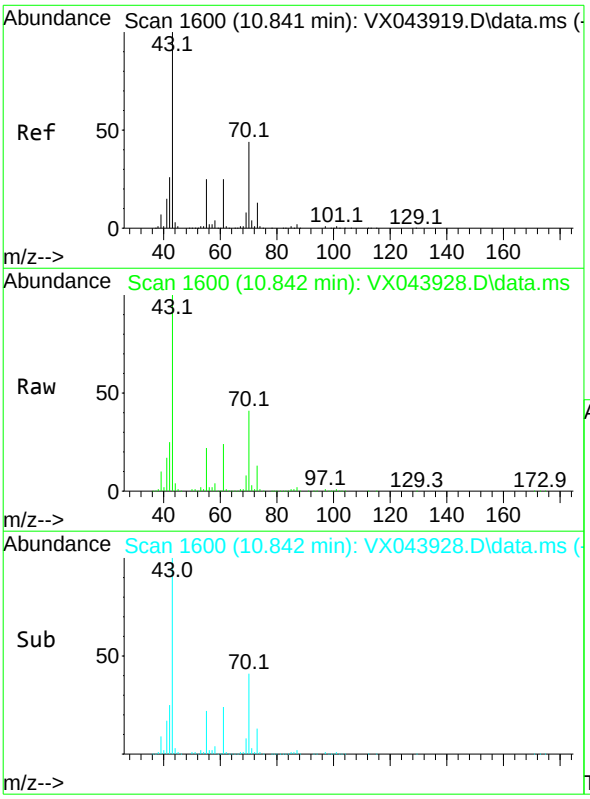
Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.3	39.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

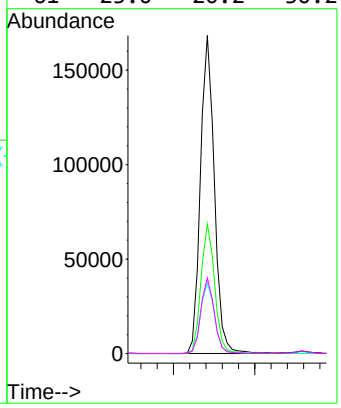
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

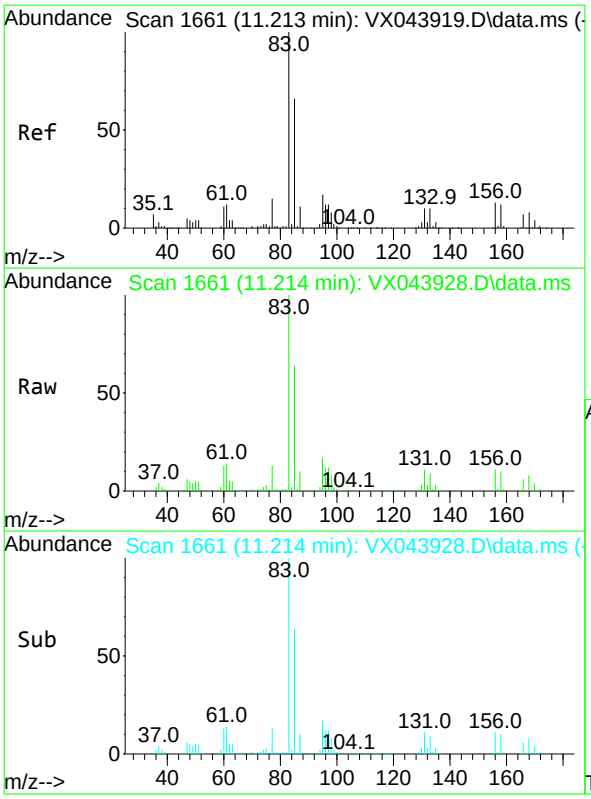


#74
N-amyl acetate
Concen: 62.704 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 43 Resp: 200195

Ion	Ratio	Lower	Upper
43	100		
70	40.2	36.5	54.7
55	22.6	19.6	29.4
61	23.0	20.2	30.2

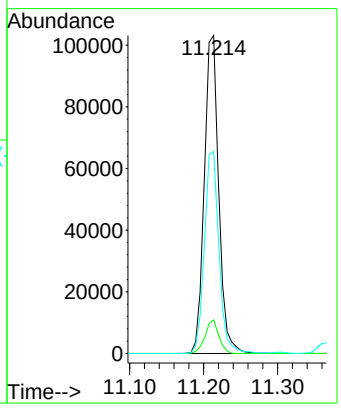




#75
1,1,2,2-Tetrachloroethane
Concen: 57.726 ug/l
RT: 11.214 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 83 Resp: 139756

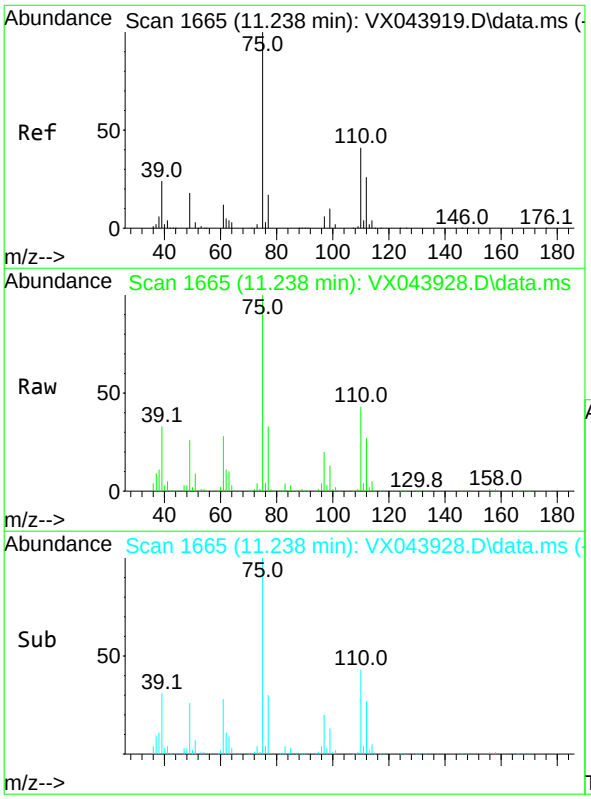
Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.1	15.3
85	64.4	32.3	96.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

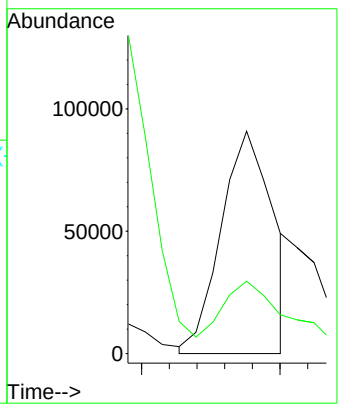
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

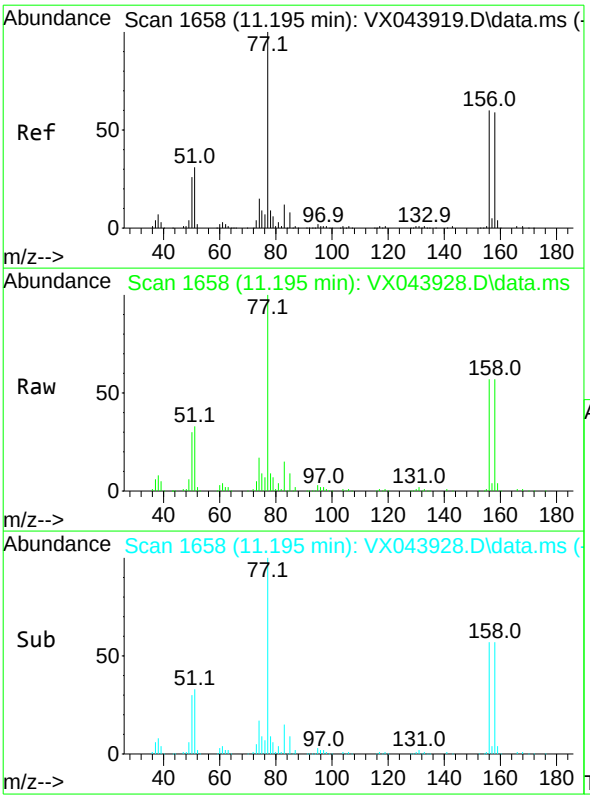


#76
1,2,3-Trichloropropane
Concen: 57.858 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 75 Resp: 118450

Ion	Ratio	Lower	Upper
75	100		
77	43.5	22.4	67.0

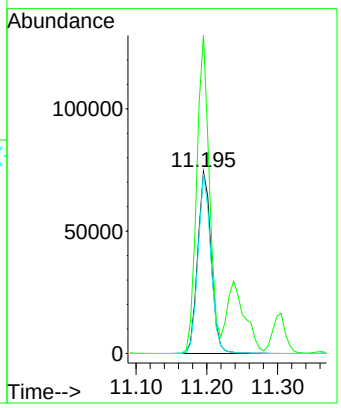




#77
Bromobenzene
Concen: 55.706 ug/l
RT: 11.195 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:156 Resp: 97761

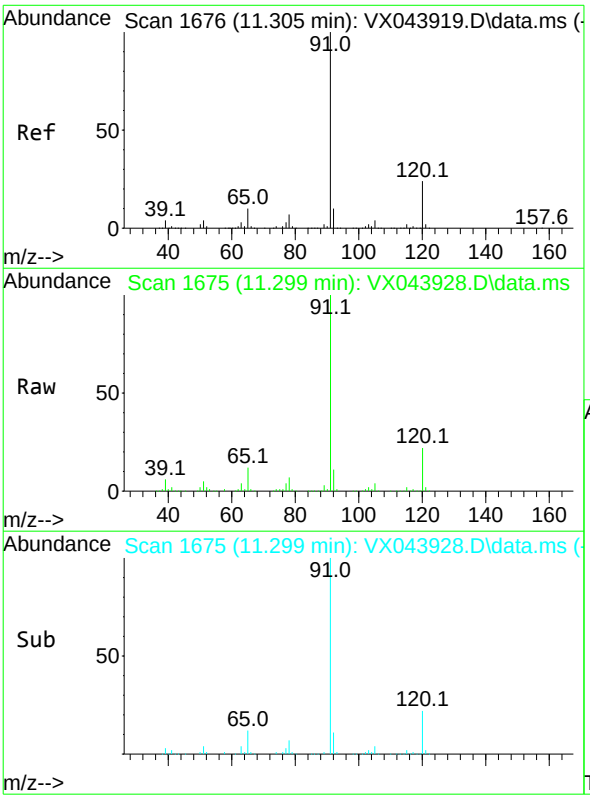
Ion	Ratio	Lower	Upper
156	100		
77	166.7	81.2	243.6
158	95.2	48.6	145.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

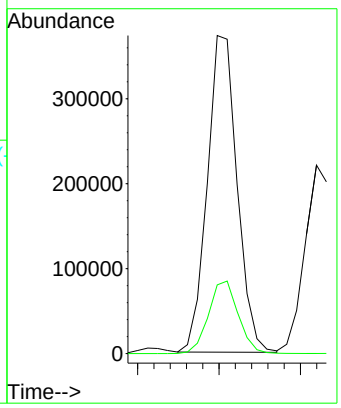
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

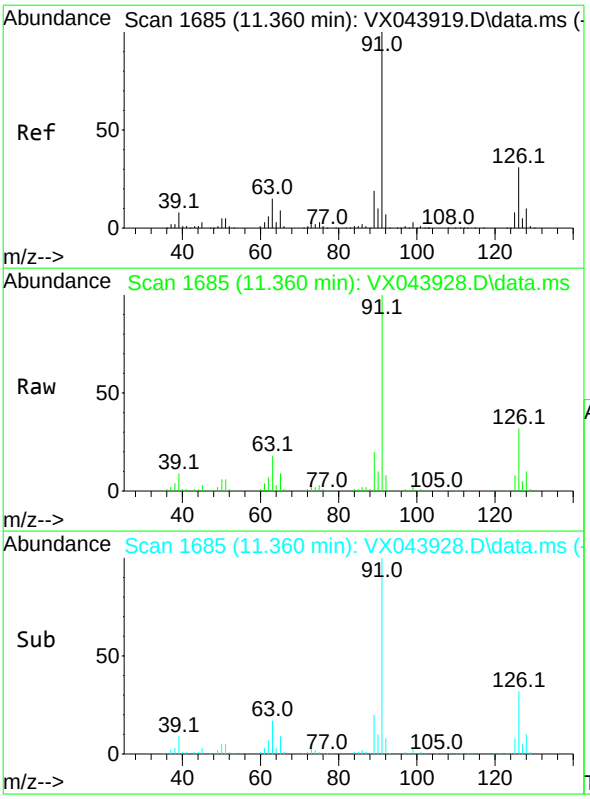


#78
n-propylbenzene
Concen: 60.094 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 91 Resp: 474802

Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.5	34.5

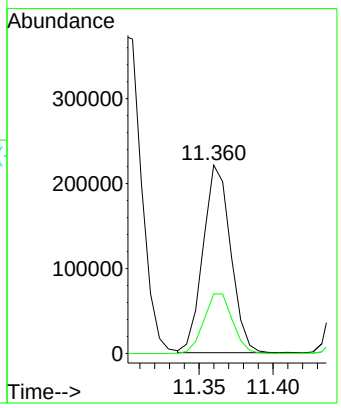




#79
2-Chlorotoluene
Concen: 57.018 ug/l
RT: 11.360 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 91 Resp: 286649

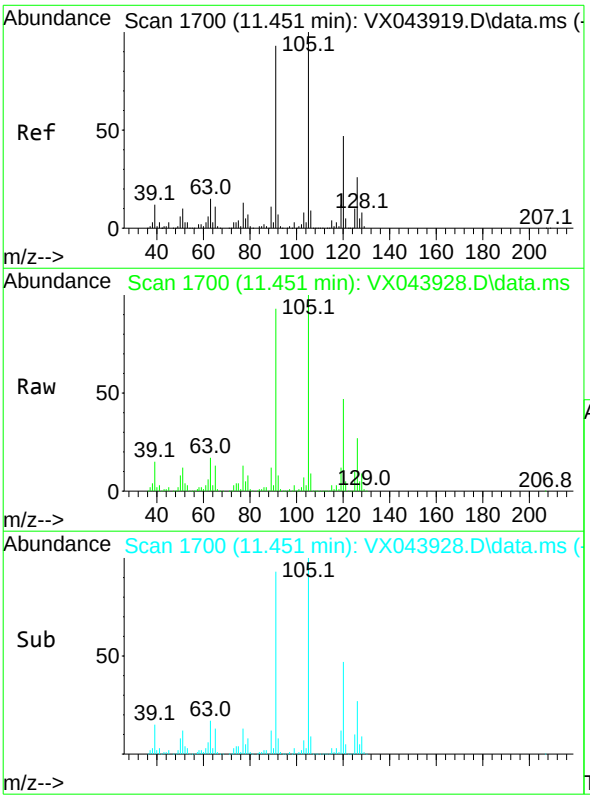
Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

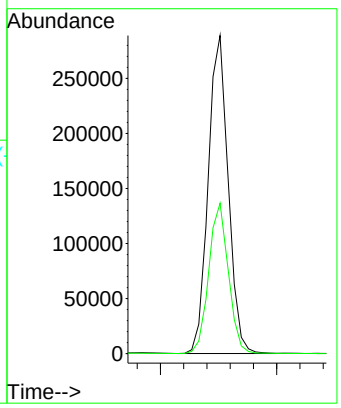
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

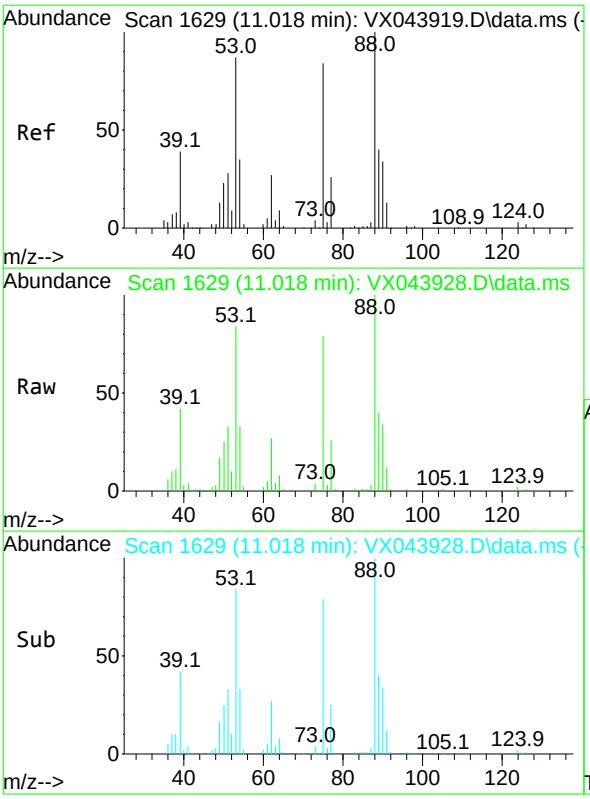


#80
1,3,5-Trimethylbenzene
Concen: 58.215 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:105 Resp: 345531

Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.8	71.5





#81
trans-1,4-Dichloro-2-butene
Concen: 61.129 ug/l
RT: 11.018 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

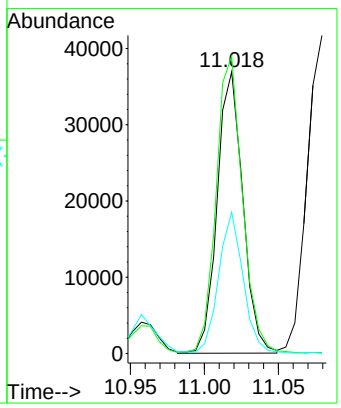
Tgt Ion: 75 Resp: 44450

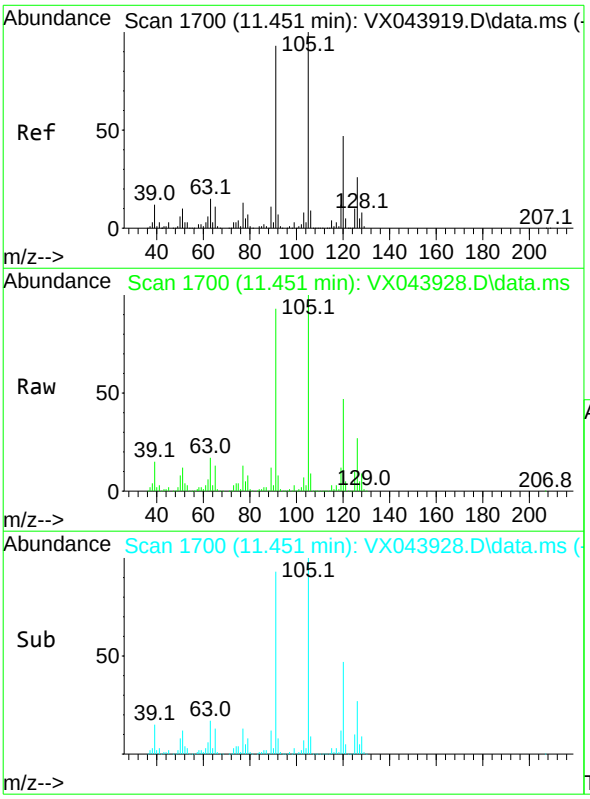
Ion	Ratio	Lower	Upper
75	100		
53	108.4	81.7	122.5
89	47.7	38.6	57.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

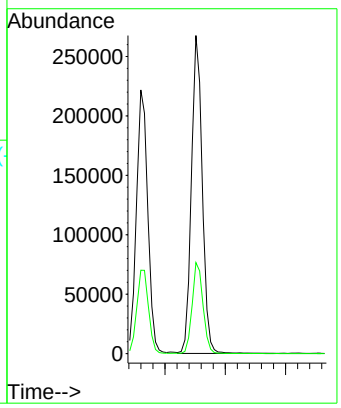


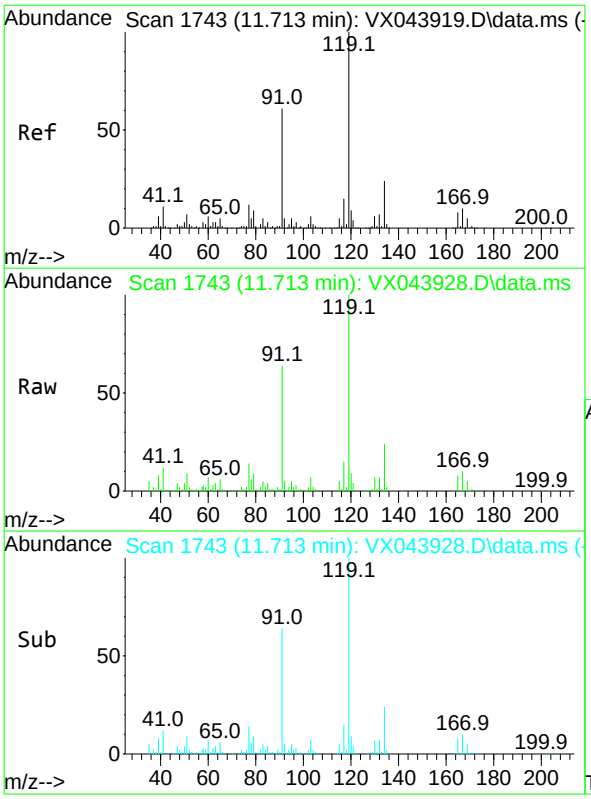


#82
4-Chlorotoluene
Concen: 57.679 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 91 Resp: 333946

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.4	43.2

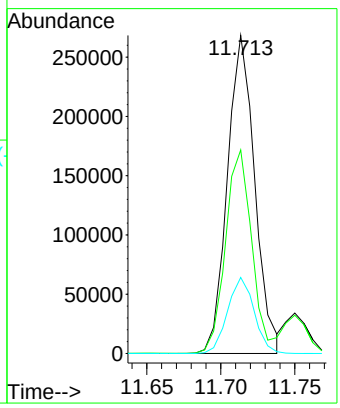




#83
tert-Butylbenzene
Concen: 56.841 ug/l
RT: 11.713 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:119 Resp: 345112

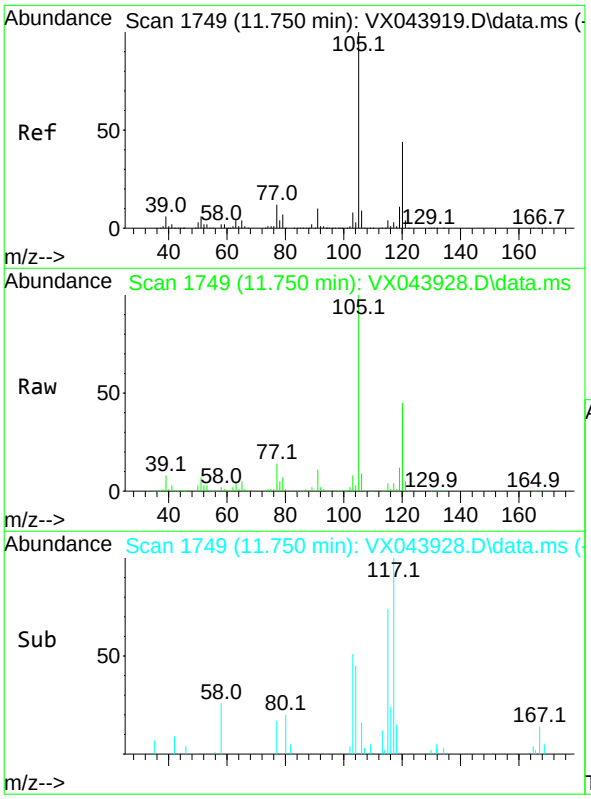
Ion	Ratio	Lower	Upper
119	100		
91	62.0	29.5	88.6
134	23.2	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

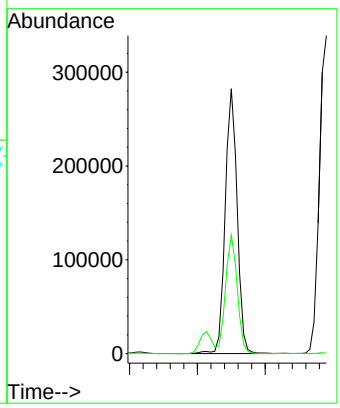
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

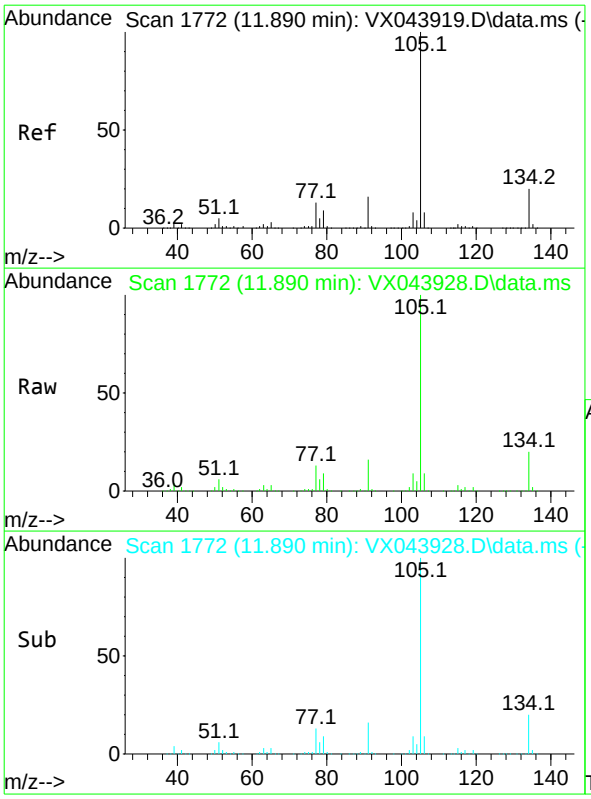


#84
1,2,4-Trimethylbenzene
Concen: 57.254 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:105 Resp: 345112

Ion	Ratio	Lower	Upper
105	100		
120	43.8	21.7	65.1

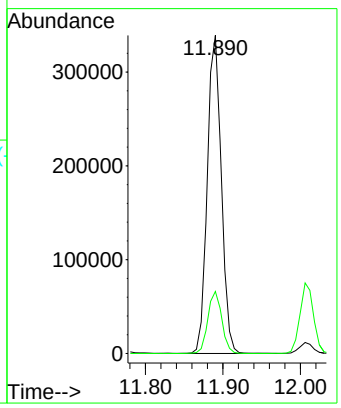




#85
sec-Butylbenzene
Concen: 58.794 ug/l
RT: 11.890 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:105 Resp: 426284

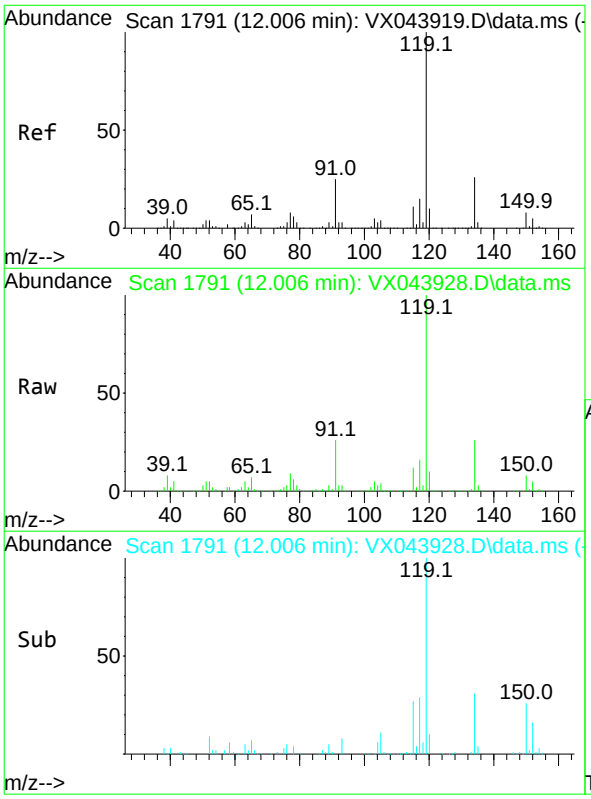
Ion	Ratio	Lower	Upper
105	100		
134	19.4	10.0	29.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

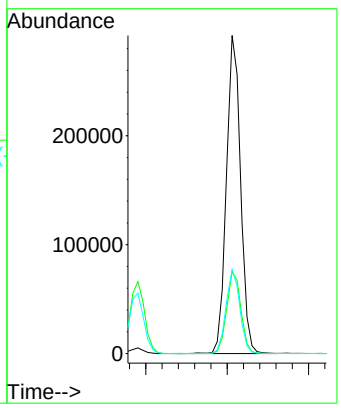
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

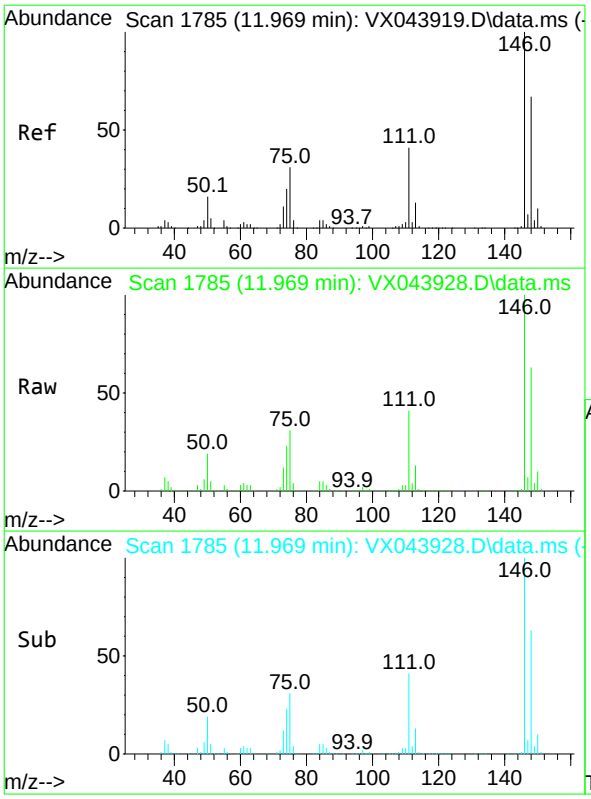


#86
p-Isopropyltoluene
Concen: 58.026 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:119 Resp: 353256

Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.0	38.9
91	25.9	12.3	36.8

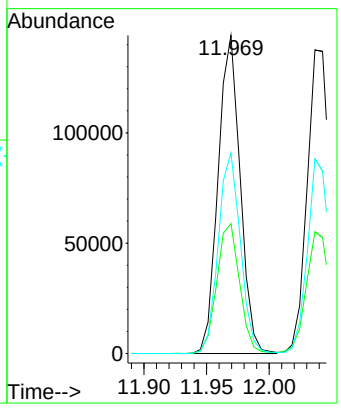




#87
1,3-Dichlorobenzene
Concen: 54.401 ug/l
RT: 11.969 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:146 Resp: 176936

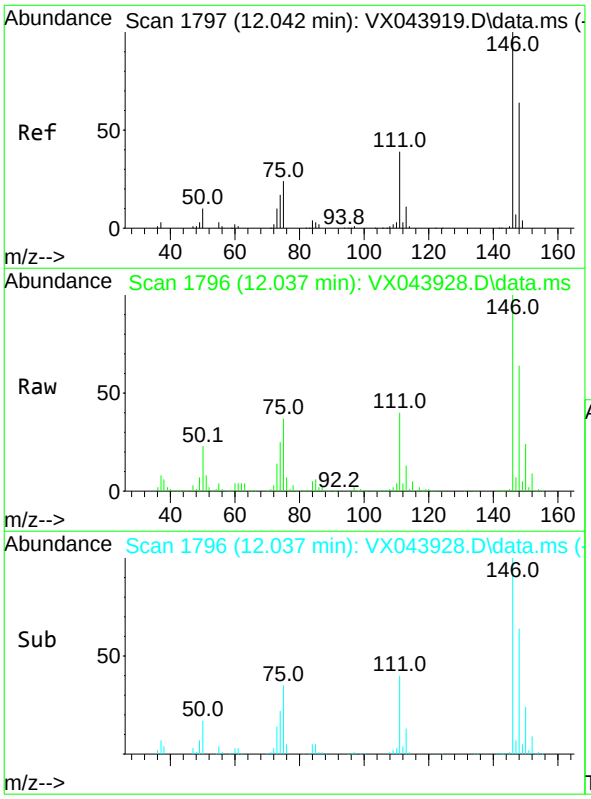
Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.8	62.2
148	63.4	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

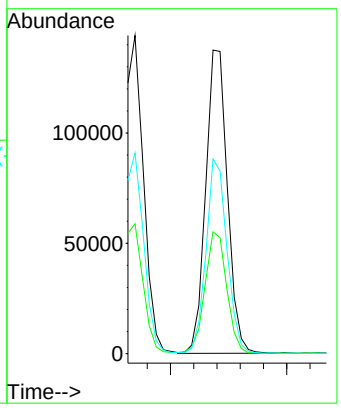
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

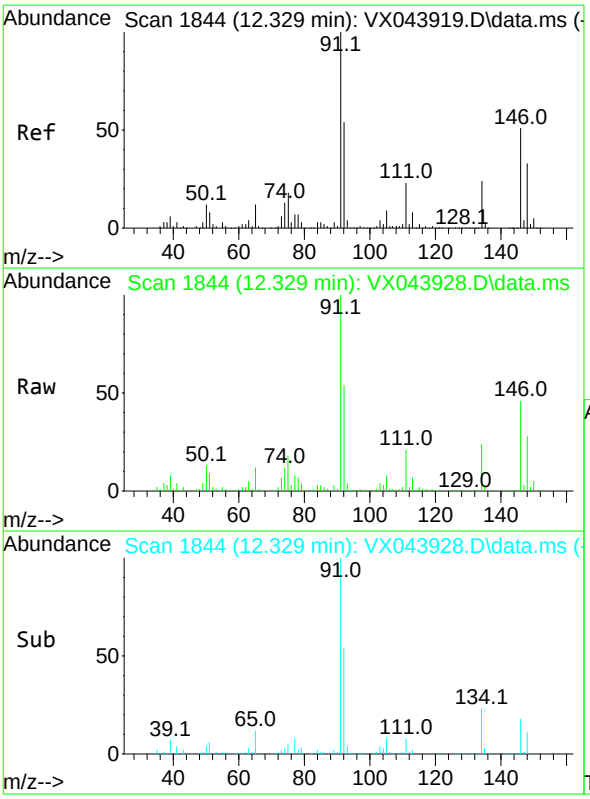


#88
1,4-Dichlorobenzene
Concen: 53.598 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:146 Resp: 178728

Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.1	60.2
148	61.9	32.2	96.6

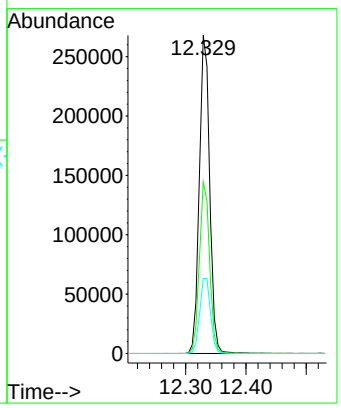




#89
n-Butylbenzene
Concen: 61.581 ug/l
RT: 12.329 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 91 Resp: 319448

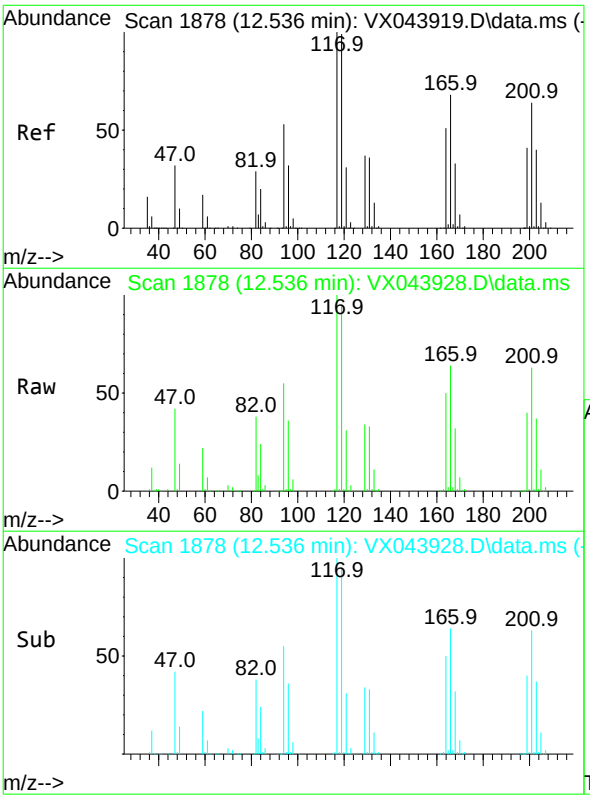
Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.9	80.6
134	24.8	12.9	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

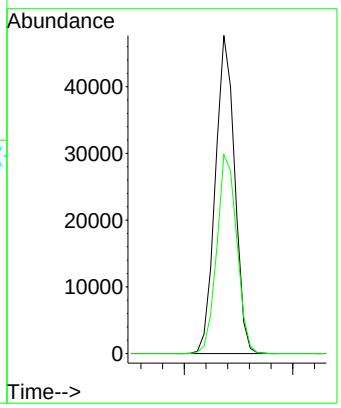
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

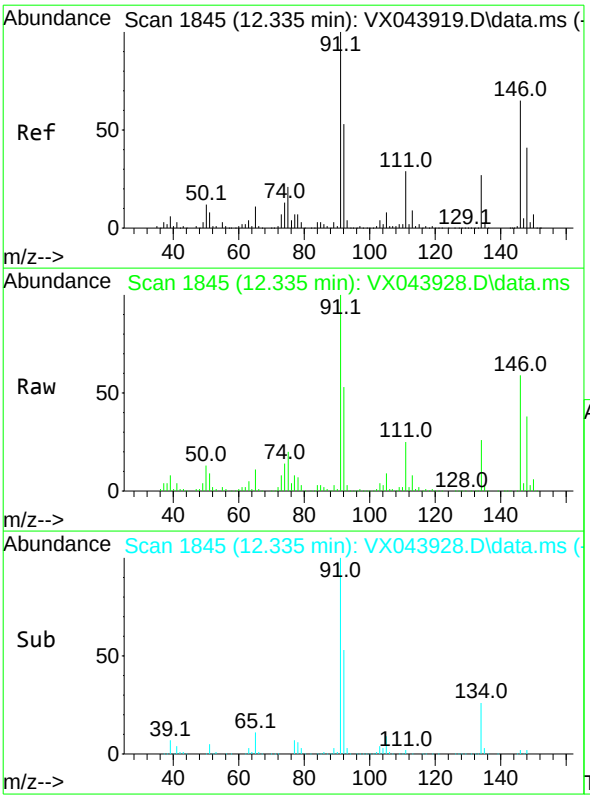


#90
Hexachloroethane
Concen: 57.586 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:117 Resp: 59010

Ion	Ratio	Lower	Upper
117	100		
201	64.7	34.1	102.3





#91
1,2-Dichlorobenzene
Concen: 52.077 ug/l
RT: 12.335 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

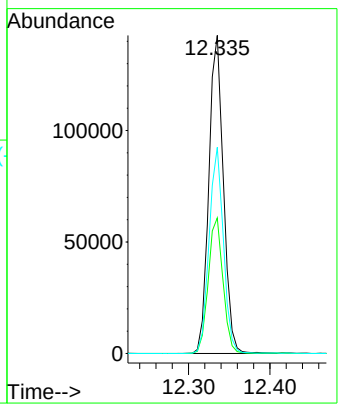
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

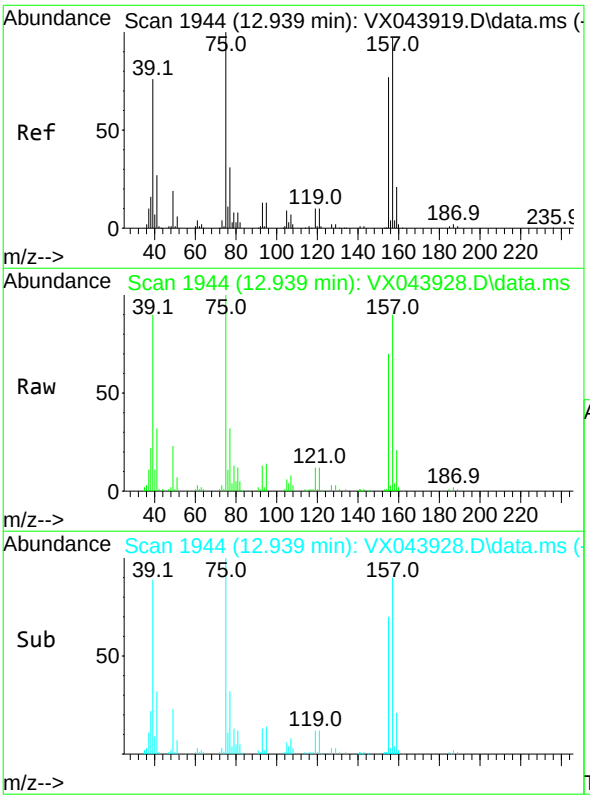
Tgt Ion:146 Resp: 177334

Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.7	65.1
148	63.7	31.6	94.7

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

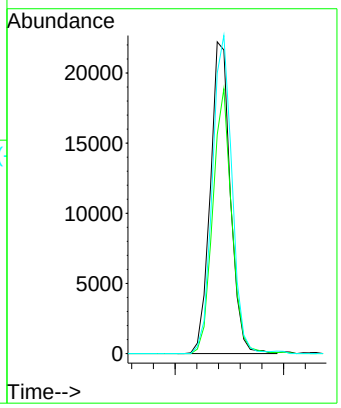


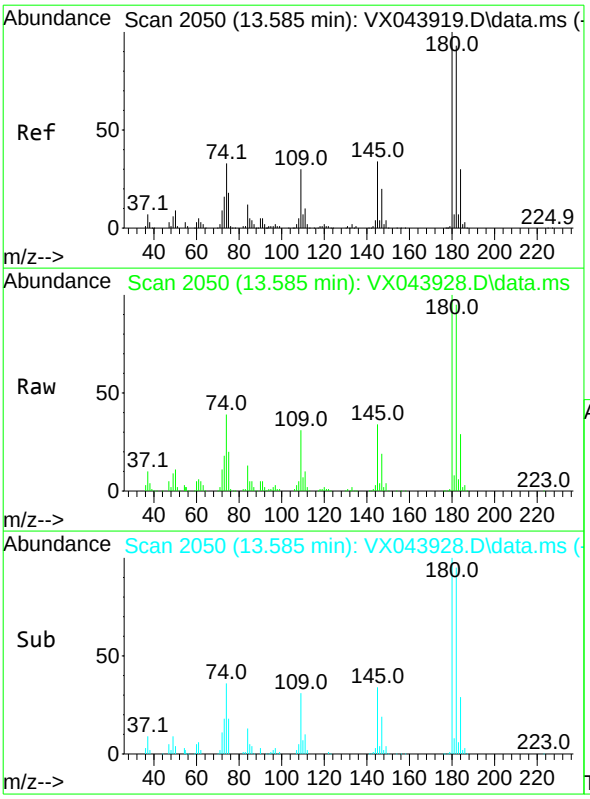


#92
1,2-Dibromo-3-Chloropropane
Concen: 56.961 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 75 Resp: 28467

Ion	Ratio	Lower	Upper
75	100		
155	80.1	40.8	122.5
157	99.3	54.3	162.9

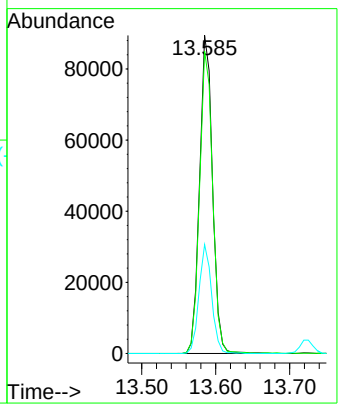




#93
1,2,4-Trichlorobenzene
Concen: 54.645 ug/l
RT: 13.585 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:180 Resp: 108749

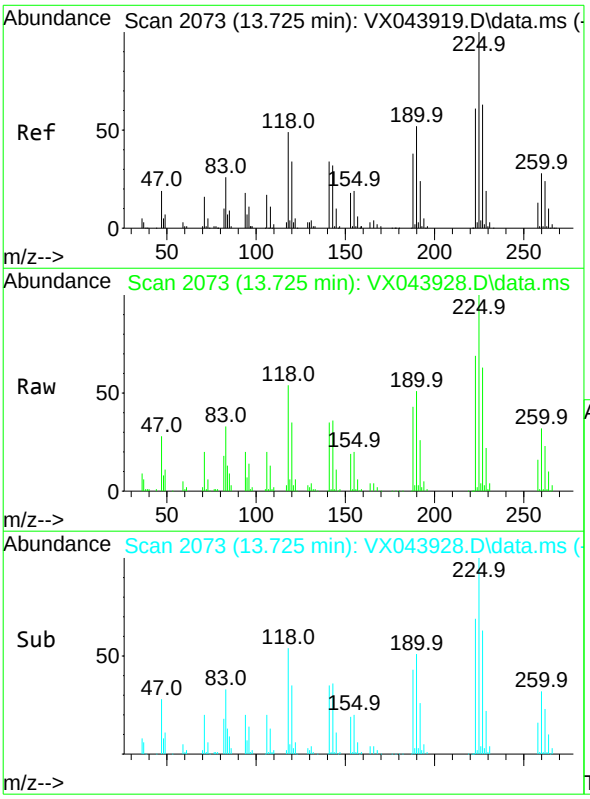
Ion	Ratio	Lower	Upper
180	100		
182	96.1	46.8	140.4
145	33.6	16.4	49.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

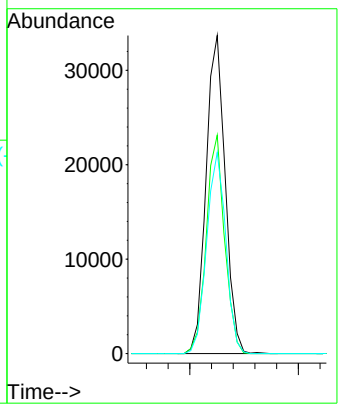
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

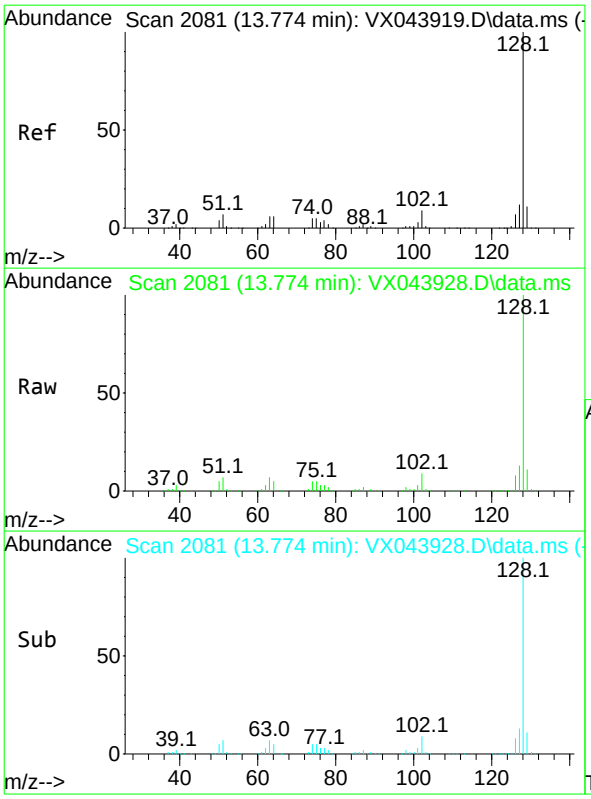


#94
Hexachlorobutadiene
Concen: 50.599 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:225 Resp: 41267

Ion	Ratio	Lower	Upper
225	100		
223	65.7	31.1	93.3
227	63.2	29.8	89.5

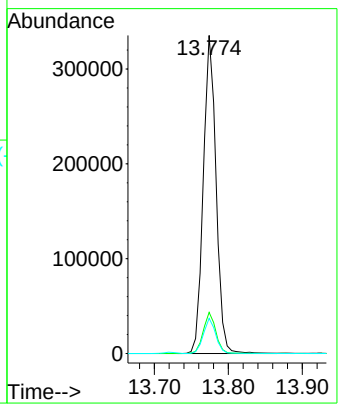




#95
Naphthalene
Concen: 54.142 ug/l
RT: 13.774 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:128 Resp: 401752

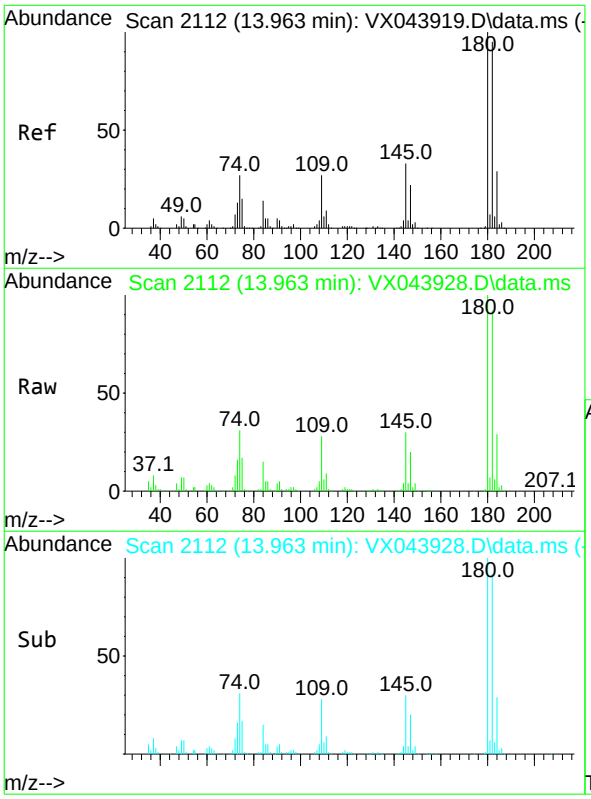
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.1	15.1
129	10.7	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

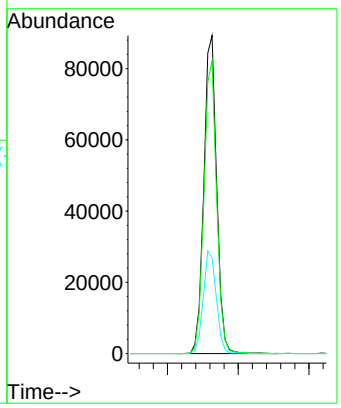
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#96
1,2,3-Trichlorobenzene
Concen: 54.094 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:180 Resp: 112162

Ion	Ratio	Lower	Upper
180	100		
182	91.2	47.6	142.8
145	32.9	17.4	52.2



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043929.D
Acq On : 21 Nov 2024 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 21 12:15:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 11:25:29 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	138314	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	246419	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	215595	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	104048	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	236531	111.333	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 222.660%#			
35) Dibromofluoromethane	5.379	113	176869	106.893	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 213.780%#			
50) Toluene-d8	8.647	98	607337	109.870	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 219.740%#			
62) 4-Bromofluorobenzene	11.079	95	215953	118.228	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 236.460%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	166145	118.713	ug/l	97
3) Chloromethane	1.295	50	183899	105.136	ug/l	100
4) Vinyl Chloride	1.374	62	192221	109.377	ug/l	98
5) Bromomethane	1.593	94	118792	148.807	ug/l	99
6) Chloroethane	1.660	64	101816	121.286	ug/l	98
7) Trichlorofluoromethane	1.868	101	354375	141.438	ug/l	100
8) Diethyl Ether	2.136	74	125840	133.219	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.319	101	162988	109.922	ug/l	96
10) Methyl Iodide	2.441	142	213858	102.481	ug/l	96
11) Tert butyl alcohol	3.002	59	184757	546.882	ug/l	100
12) 1,1-Dichloroethene	2.307	96	158111	109.868	ug/l	89
13) Acrolein	2.240	56	200929	530.320	ug/l	99
14) Allyl chloride	2.654	41	276068	118.320	ug/l	90
15) Acrylonitrile	3.069	53	458624	527.361	ug/l	97
16) Acetone	2.386	43	511112	598.985	ug/l	92
17) Carbon Disulfide	2.502	76	367958	117.100	ug/l	99
18) Methyl Acetate	2.703	43	247225	105.800	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	597600	112.347	ug/l	99
20) Methylene Chloride	2.782	84	178008	99.663	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	165989	105.798	ug/l	98
22) Diisopropyl ether	3.764	45	572855	112.380	ug/l	97
23) Vinyl Acetate	3.721	43	2570419	622.111	ug/l	97
24) 1,1-Dichloroethane	3.605	63	327756	109.327	ug/l	99
25) 2-Butanone	4.562	43	690992	578.867	ug/l	98
26) 2,2-Dichloropropane	4.471	77	299254	121.468	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	206207	105.613	ug/l	94
28) Bromochloromethane	4.898	49	138227	109.575	ug/l	91
29) Tetrahydrofuran	5.007	42	419337	543.649	ug/l	97
30) Chloroform	5.087	83	350923	112.294	ug/l	97
31) Cyclohexane	5.458	56	256114	105.404	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	309469	115.841	ug/l	98
36) 1,1-Dichloropropene	5.684	75	222573	107.931	ug/l	99
37) Ethyl Acetate	4.715	43	265631	114.453	ug/l	97
38) Carbon Tetrachloride	5.672	117	256290	117.390	ug/l	97
39) Methylcyclohexane	7.373	83	283075	109.652	ug/l	98
40) Benzene	6.032	78	684139	105.520	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043929.D
Acq On : 21 Nov 2024 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 21 12:15:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 11:25:29 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.922	41	143256	118.447 ug/l	94
42) 1,2-Dichloroethane	6.080	62	271641	115.387 ug/l	98
43) Isopropyl Acetate	6.342	43	440615	120.346 ug/l	94
44) Trichloroethene	7.123	130	169796	94.997 ug/l	98
45) 1,2-Dichloropropane	7.428	63	170741	107.450 ug/l	99
46) Dibromomethane	7.574	93	135928	113.518 ug/l	96
47) Bromodichloromethane	7.818	83	260442	123.792 ug/l	97
48) Methyl methacrylate	7.690	41	210614	116.061 ug/l	88
49) 1,4-Dioxane	7.665	88	62845	1625.913 ug/l #	72
51) 4-Methyl-2-Pentanone	8.574	43	1329064	582.189 ug/l	95
52) Toluene	8.714	92	418999	112.018 ug/l	99
53) t-1,3-Dichloropropene	8.976	75	270418	126.680 ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	285627	118.077 ug/l #	89
55) 1,1,2-Trichloroethane	9.147	97	167357	114.675 ug/l	97
56) Ethyl methacrylate	9.116	69	286893	124.157 ug/l #	90
57) 1,3-Dichloropropane	9.305	76	285511	116.773 ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	698756	576.637 ug/l	98
59) 2-Hexanone	9.433	43	1011261	627.842 ug/l	95
60) Dibromochloromethane	9.519	129	187476	131.832 ug/l	99
61) 1,2-Dibromoethane	9.610	107	176345	115.841 ug/l	99
64) Tetrachloroethene	9.269	164	135740	98.157 ug/l	97
65) Chlorobenzene	10.080	112	461076	102.382 ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	164586	109.812 ug/l	97
67) Ethyl Benzene	10.189	91	812289	107.178 ug/l	98
68) m/p-Xylenes	10.299	106	603451	213.769 ug/l	96
69) o-Xylene	10.640	106	298739	108.462 ug/l	98
70) Styrene	10.653	104	511251	112.628 ug/l	98
71) Bromoform	10.799	173	123114	125.866 ug/l #	98
73) Isopropylbenzene	10.957	105	765623	103.086 ug/l	99
74) N-amyl acetate	10.842	43	394438	119.112 ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	262302	104.456 ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	219028m	103.148 ug/l	
77) Bromobenzene	11.195	156	183742	100.944 ug/l	98
78) n-propylbenzene	11.305	91	891893	108.835 ug/l	99
79) 2-Chlorotoluene	11.360	91	537190	103.022 ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	648916	105.408 ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	88041	116.733 ug/l	97
82) 4-Chlorotoluene	11.451	91	629590	104.841 ug/l	100
83) tert-Butylbenzene	11.713	119	655918	104.157 ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	650156	103.992 ug/l	100
85) sec-Butylbenzene	11.890	105	793233	105.481 ug/l	100
86) p-Isopropyltoluene	12.006	119	669819	106.078 ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	337665	100.095 ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	343312	99.262 ug/l	99
89) n-Butylbenzene	12.329	91	605284	112.498 ug/l	99
90) Hexachloroethane	12.536	117	120913	113.763 ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	341767	96.765 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	57287	110.517 ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	210571	102.015 ug/l	98
94) Hexachlorobutadiene	13.725	225	79822	94.363 ug/l	95
95) Naphthalene	13.774	128	776740	100.923 ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	211814	98.491 ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043929.D
Acq On : 21 Nov 2024 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 21 12:15:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 11:25:29 2024
Response via : Initial Calibration

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

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

ICAL Form

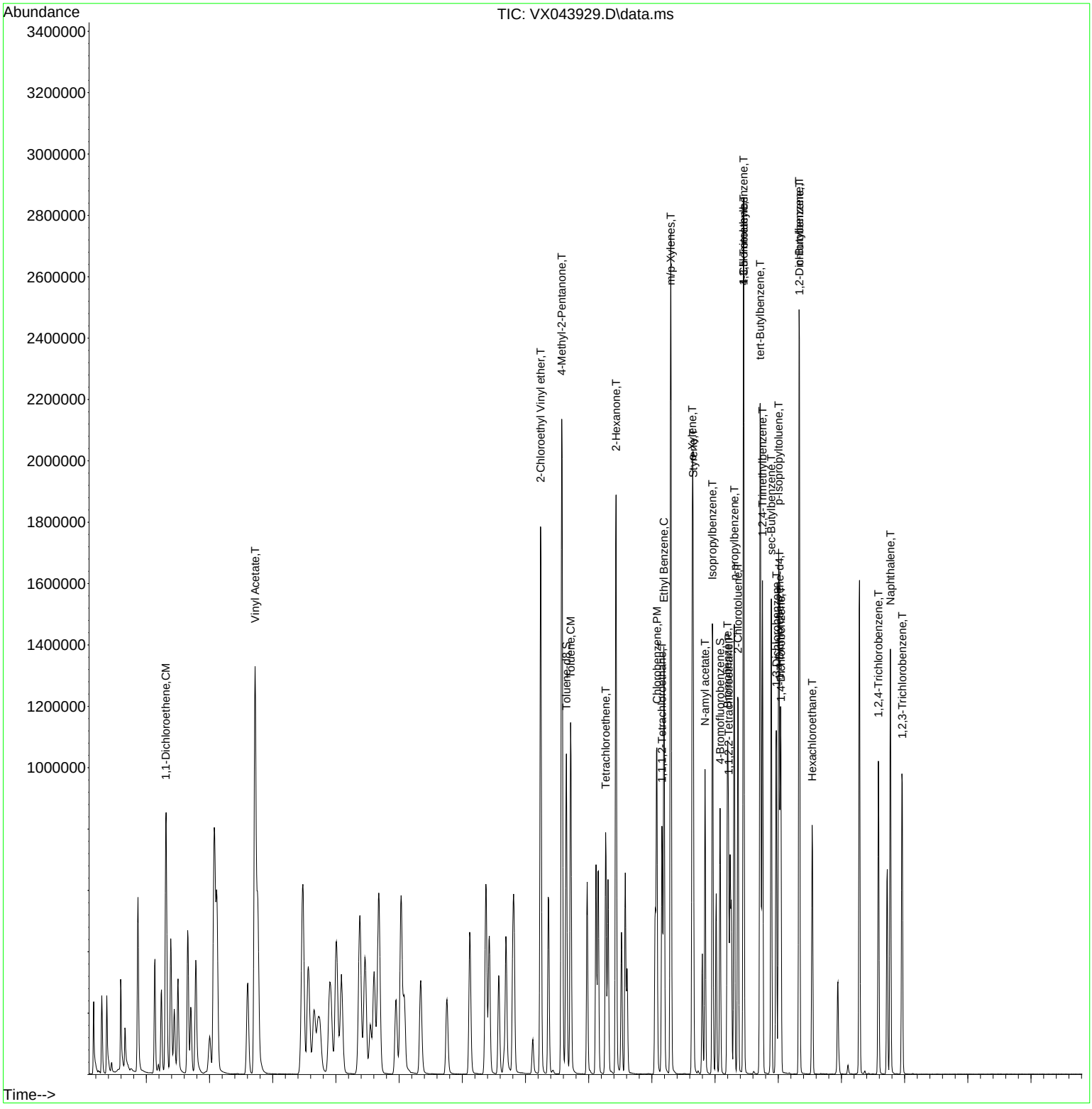
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Data File : VX043929.D
Acq On : 21 Nov 2024 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

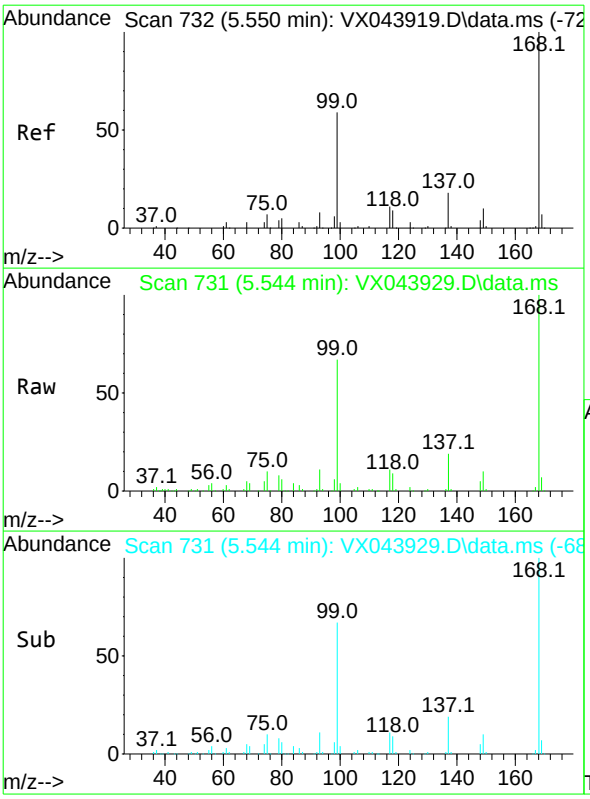
Quant Time: Nov 21 12:15:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 11:25:29 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

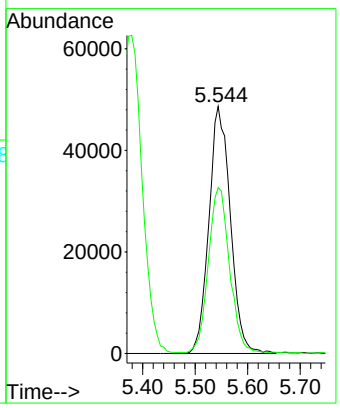




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. -0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:168 Resp: 138314

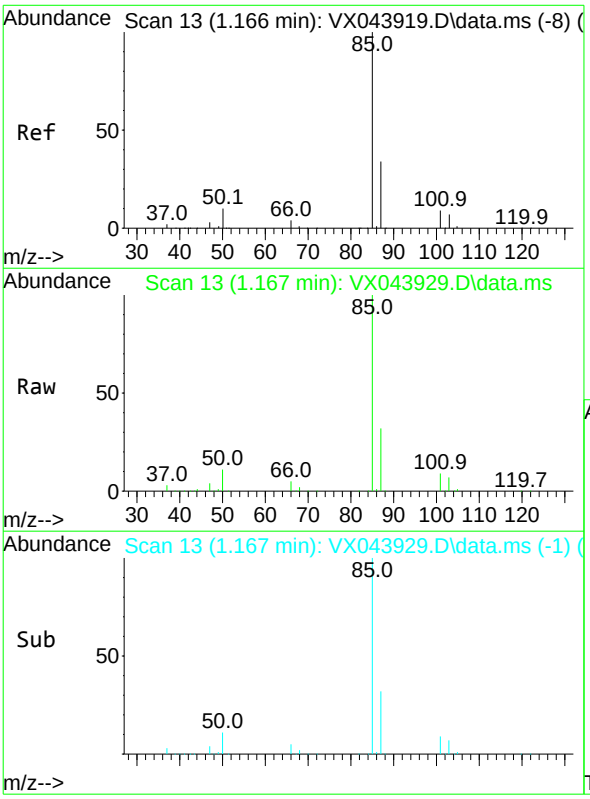
Ion	Ratio	Lower	Upper
168	100		
99	66.7	46.9	70.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

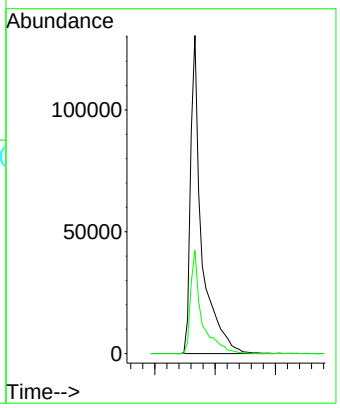
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

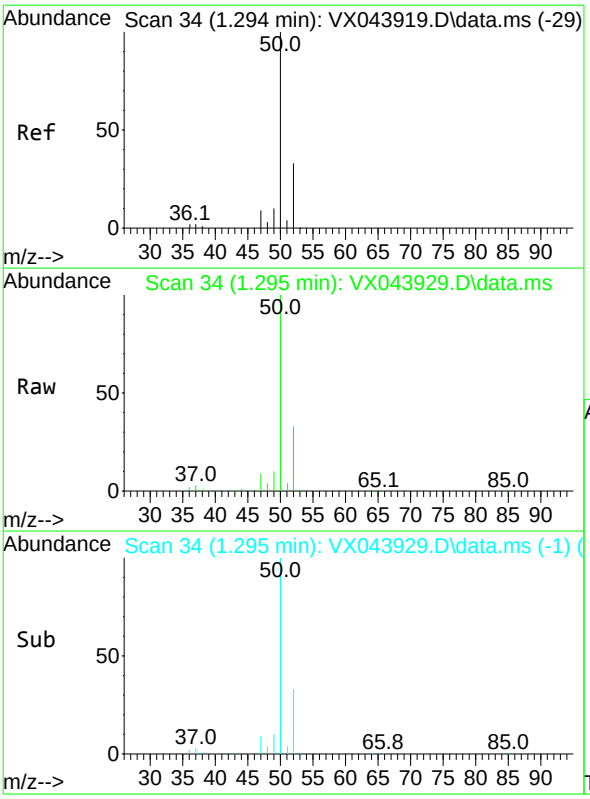


#2
Dichlorodifluoromethane
Concen: 118.713 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 85 Resp: 166145

Ion	Ratio	Lower	Upper
85	100		
87	32.5	17.1	51.2

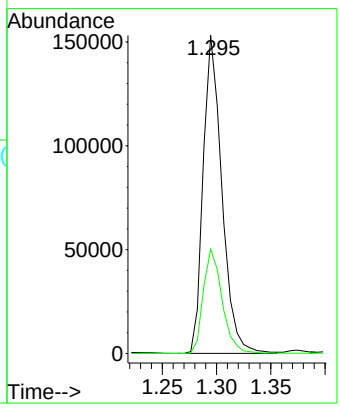




#3
Chloromethane
Concen: 105.136 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 50 Resp: 183899

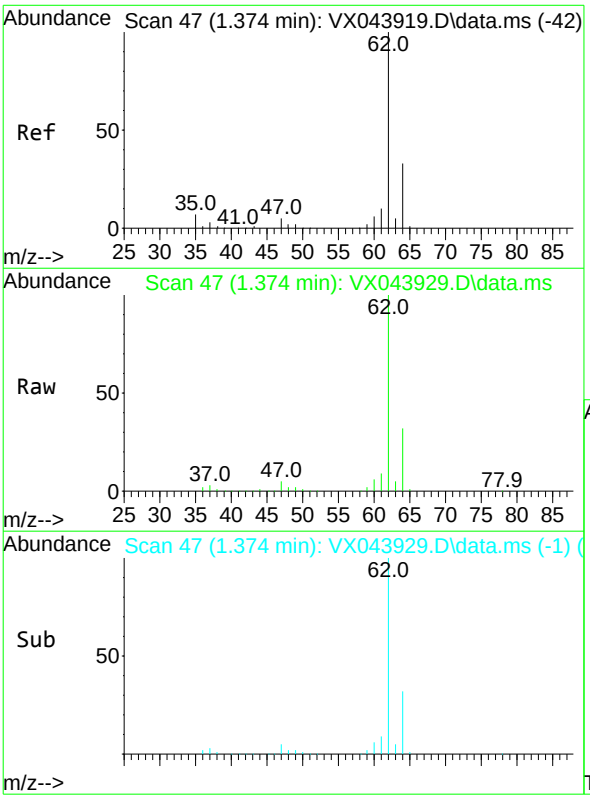
Ion	Ratio	Lower	Upper
50	100		
52	32.8	26.2	39.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

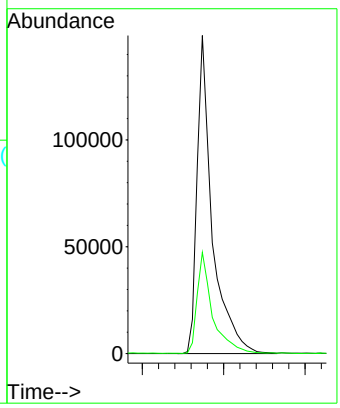
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

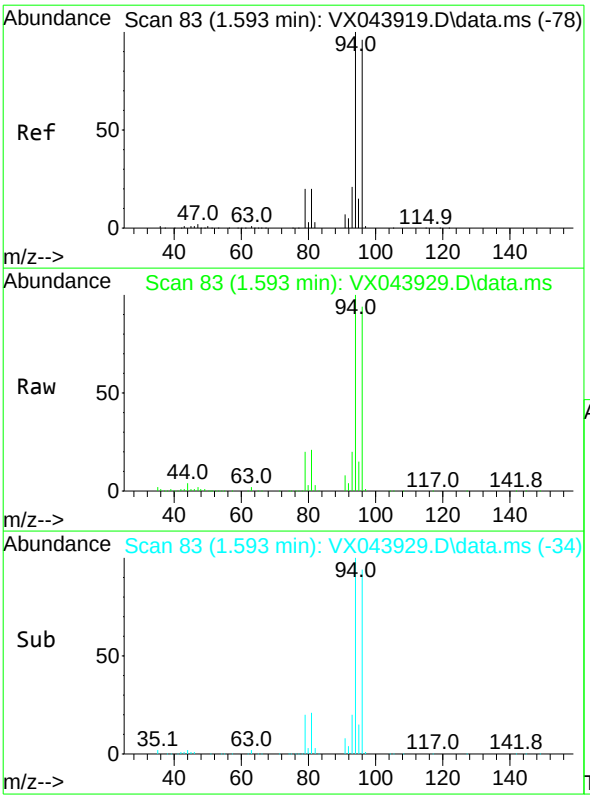


#4
Vinyl Chloride
Concen: 109.377 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 62 Resp: 192221

Ion	Ratio	Lower	Upper
62	100		
64	31.7	26.1	39.1

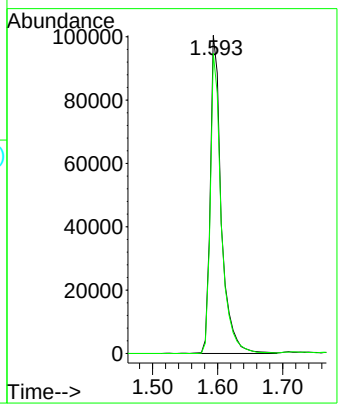




#5
Bromomethane
Concen: 148.807 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 94 Resp: 118792

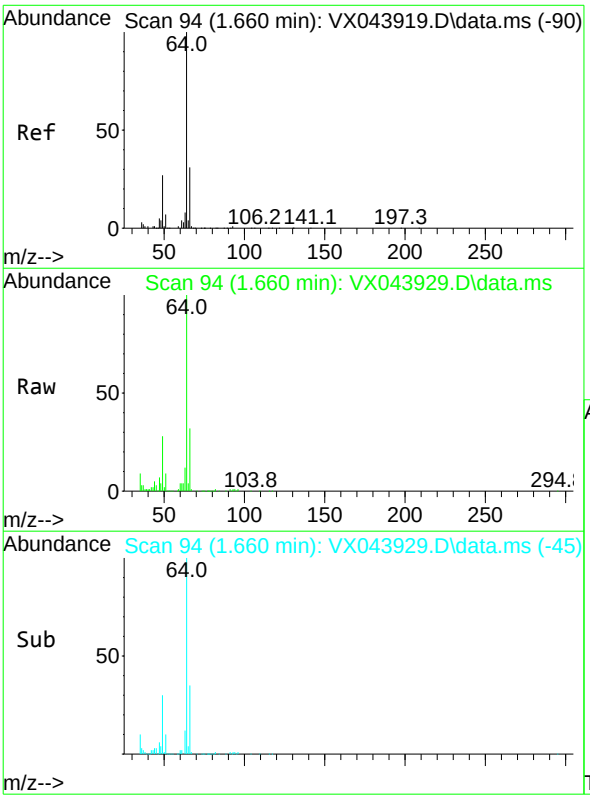
Ion	Ratio	Lower	Upper
94	100		
96	94.3	76.5	114.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

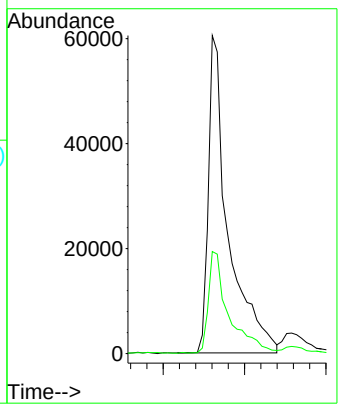
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

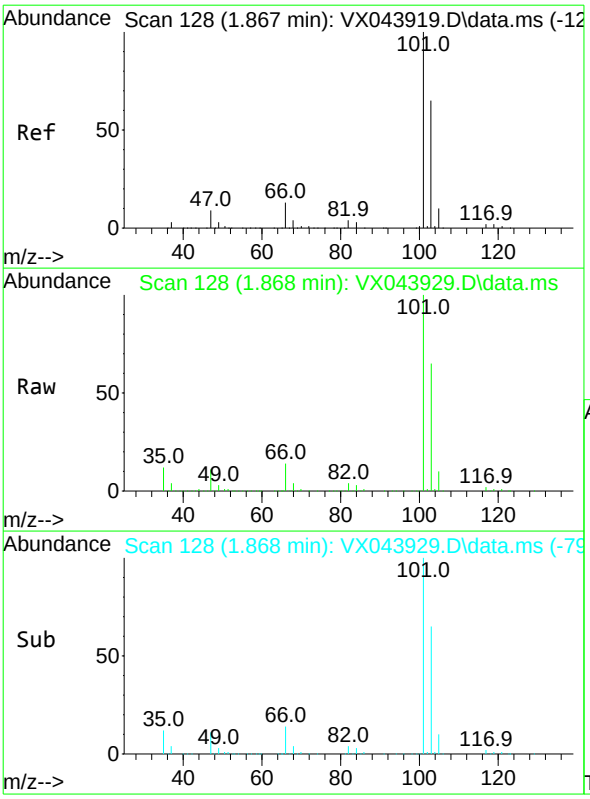


#6
Chloroethane
Concen: 121.286 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 64 Resp: 101816

Ion	Ratio	Lower	Upper
64	100		
66	32.0	24.9	37.3

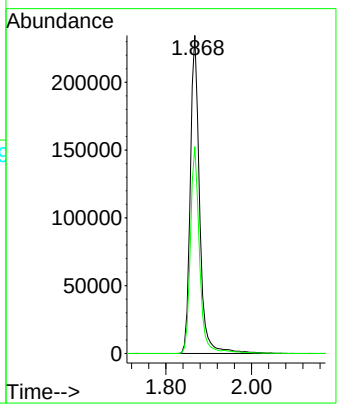




#7
Trichlorofluoromethane
Concen: 141.438 ug/l
RT: 1.868 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:101 Resp: 354375

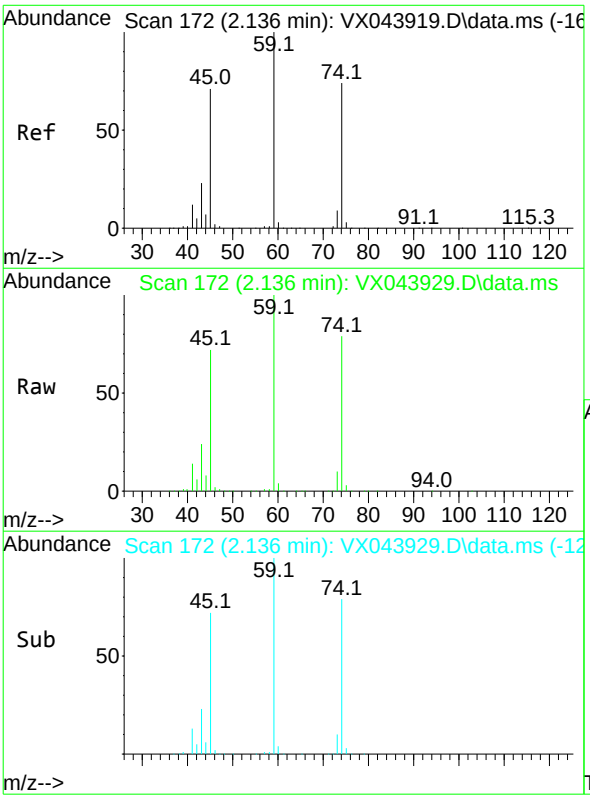
Ion	Ratio	Lower	Upper
101	100		
103	65.0	52.2	78.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

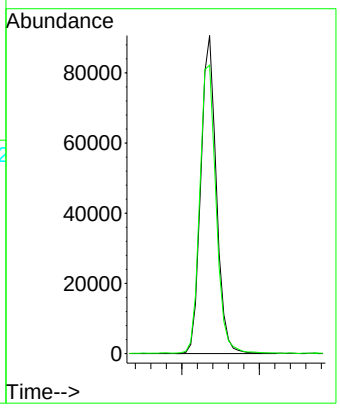
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

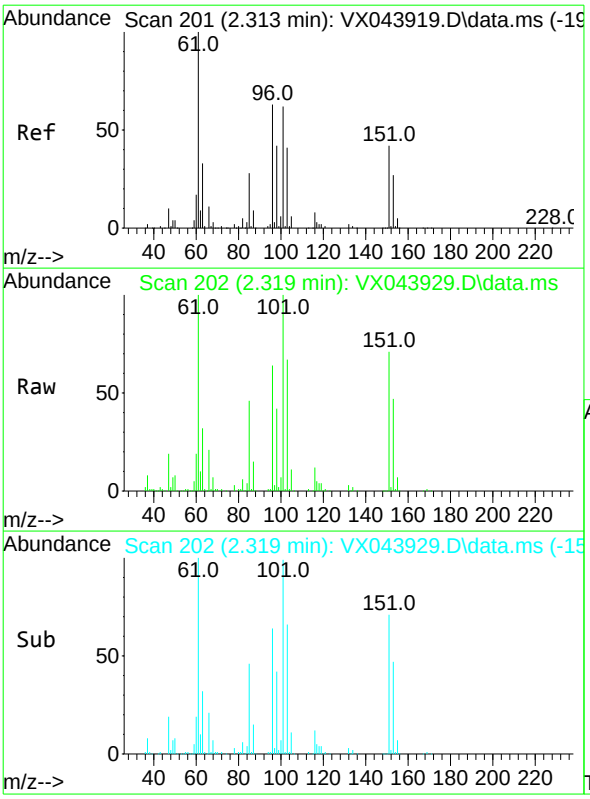


#8
Diethyl Ether
Concen: 133.219 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 74 Resp: 125840

Ion	Ratio	Lower	Upper
74	100		
45	95.5	49.9	149.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 109.922 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

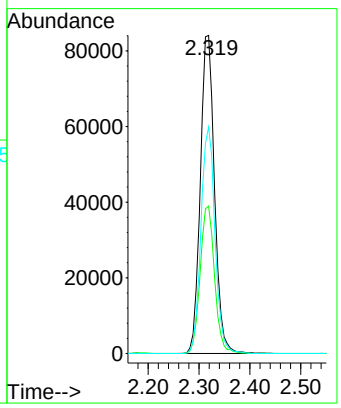
Tgt Ion:101 Resp: 162988

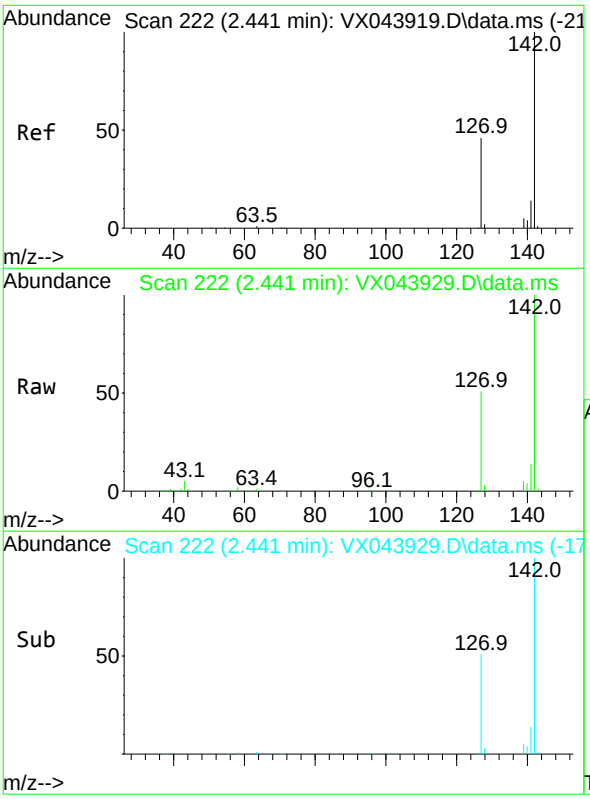
Ion	Ratio	Lower	Upper
101	100		
85	47.0	36.6	54.8
151	70.5	59.8	89.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

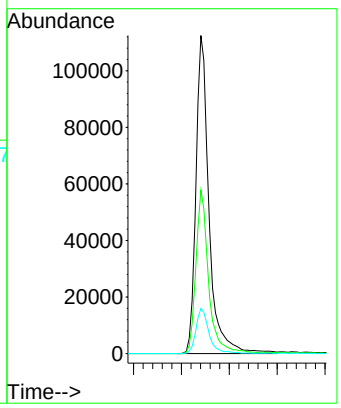


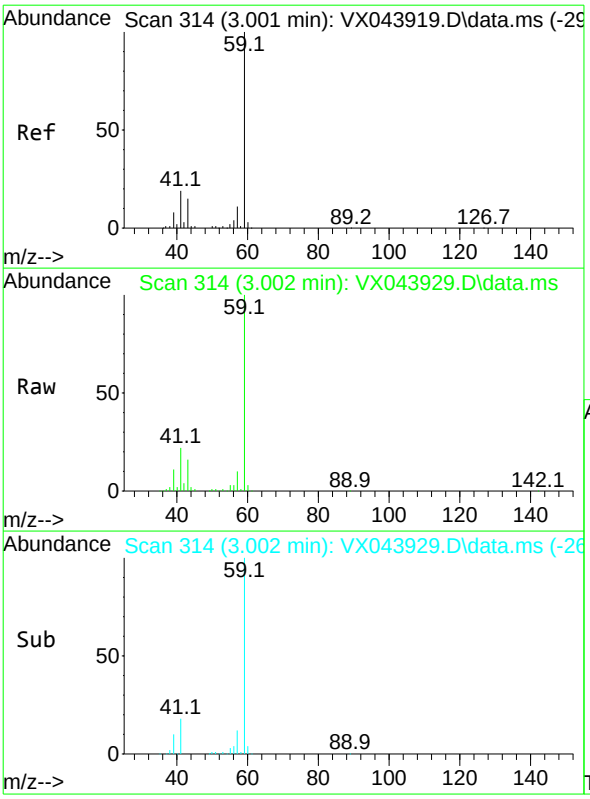


#10
Methyl Iodide
Concen: 102.481 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:142 Resp: 213858

Ion	Ratio	Lower	Upper
142	100		
127	50.0	37.3	55.9
141	14.1	11.4	17.2

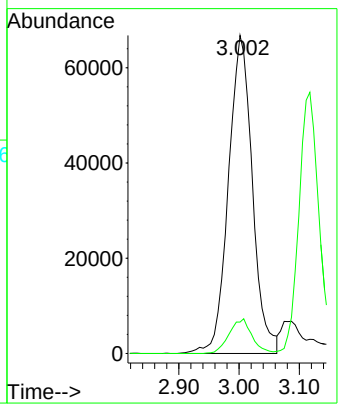




#11
Tert butyl alcohol
Concen: 546.882 ug/l
RT: 3.002 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 59 Resp: 184757

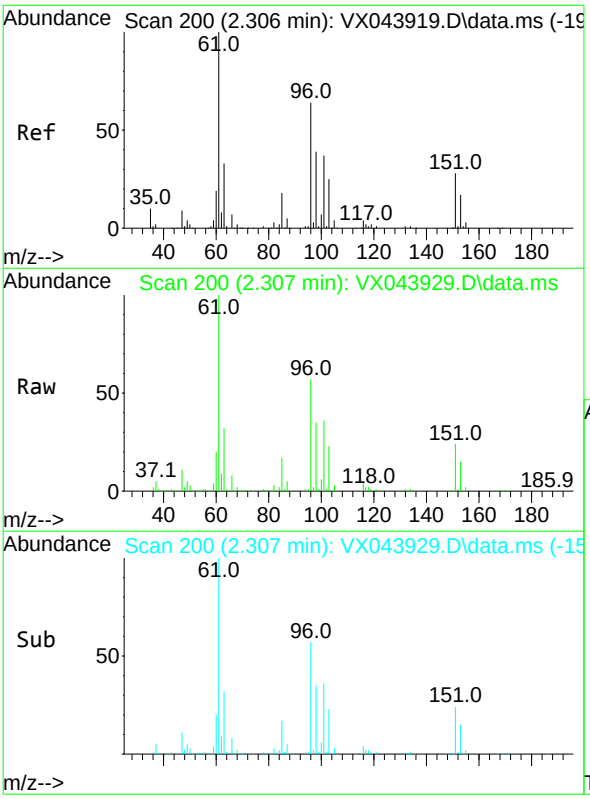
Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

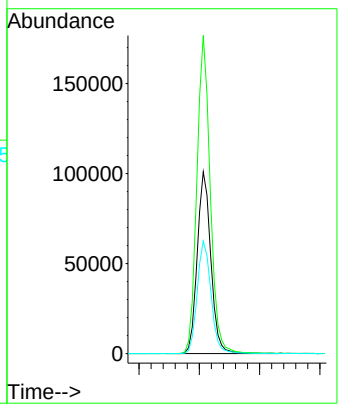
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

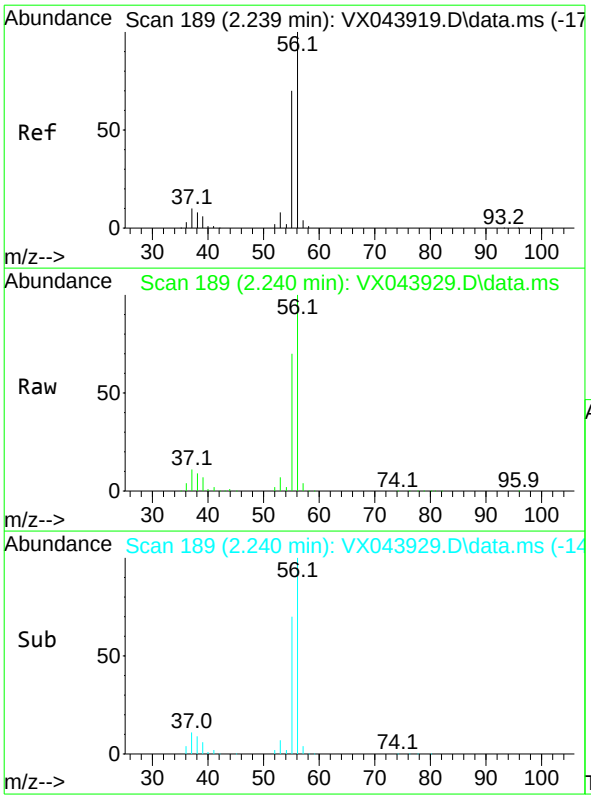


#12
1,1-Dichloroethene
Concen: 109.868 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 96 Resp: 158111

Ion	Ratio	Lower	Upper
96	100		
61	174.9	124.6	187.0
98	61.9	49.0	73.6

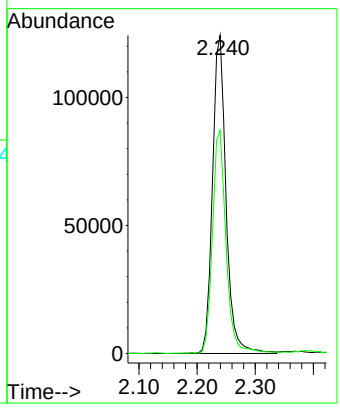




#13
Acrolein
Concen: 530.320 ug/l
RT: 2.240 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 56 Resp: 200929

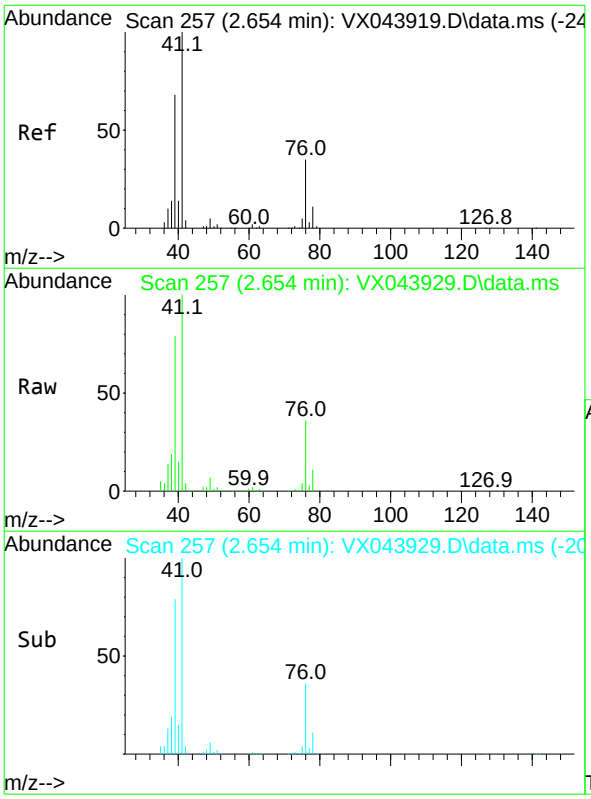
Ion	Ratio	Lower	Upper
56	100		
55	70.5	56.1	84.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

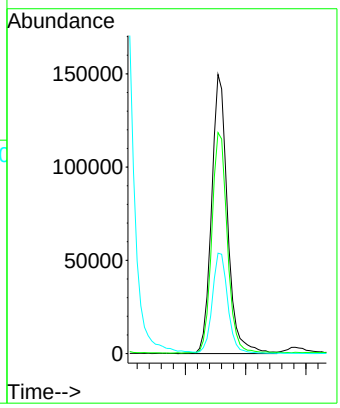
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

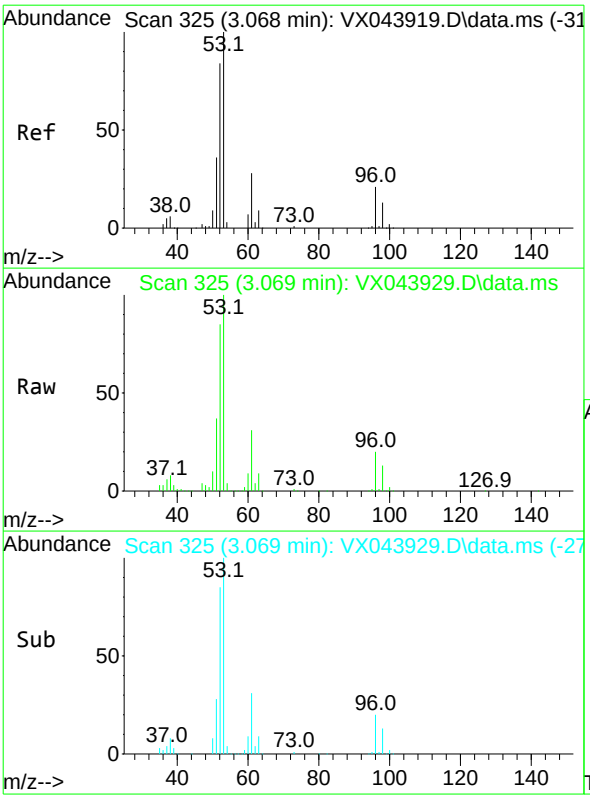


#14
Allyl chloride
Concen: 118.320 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 41 Resp: 276068

Ion	Ratio	Lower	Upper
41	100		
39	76.5	51.7	77.5
76	34.8	28.2	42.2

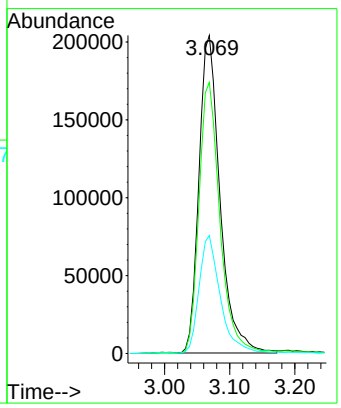




#15
Acrylonitrile
Concen: 527.361 ug/l
RT: 3.069 min Scan# 32
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 53 Resp: 458624

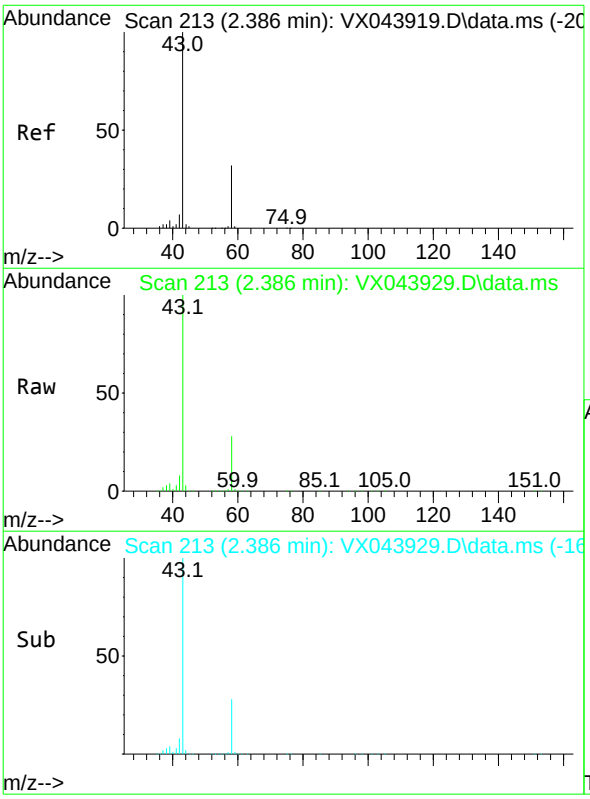
Ion	Ratio	Lower	Upper
53	100		
52	85.0	65.8	98.8
51	37.0	28.6	42.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

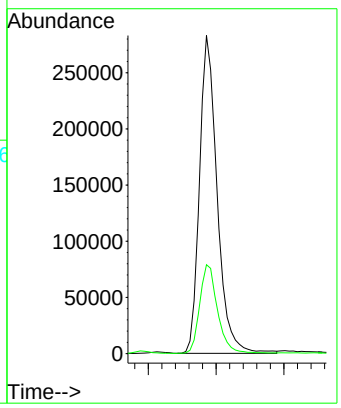
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

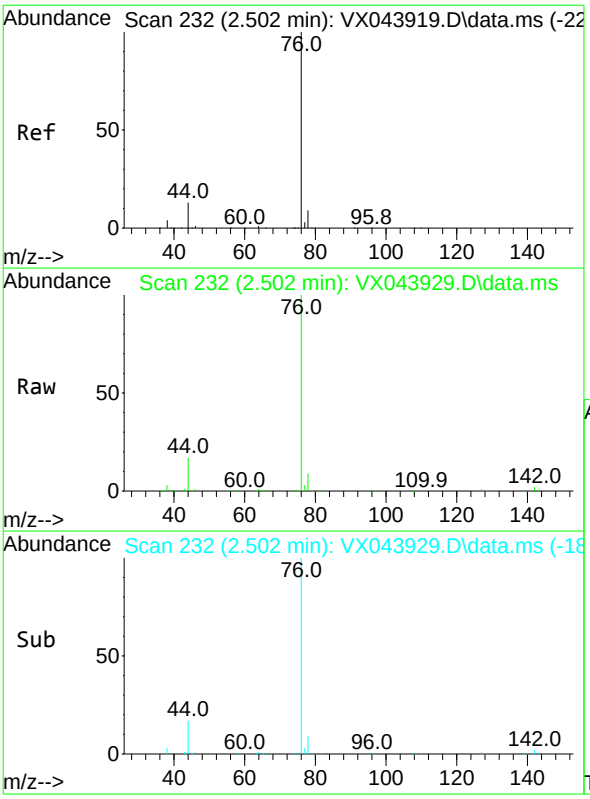


#16
Acetone
Concen: 598.985 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 43 Resp: 511112

Ion	Ratio	Lower	Upper
43	100		
58	27.9	25.8	38.6

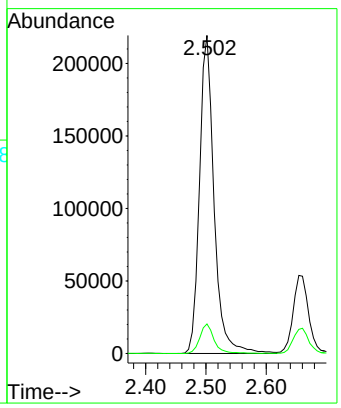




#17
Carbon Disulfide
Concen: 117.100 ug/l
RT: 2.502 min Scan# 23
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 76 Resp: 367958

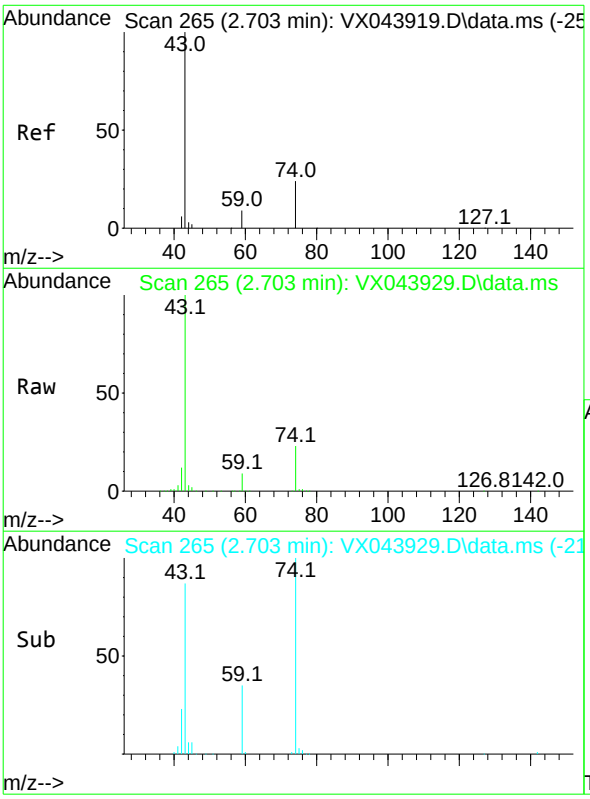
Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

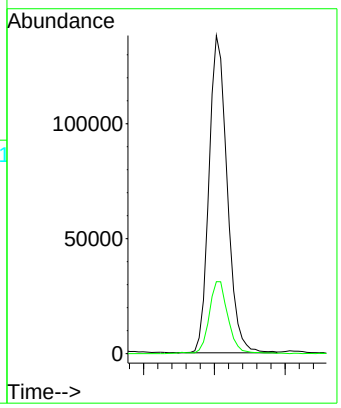
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

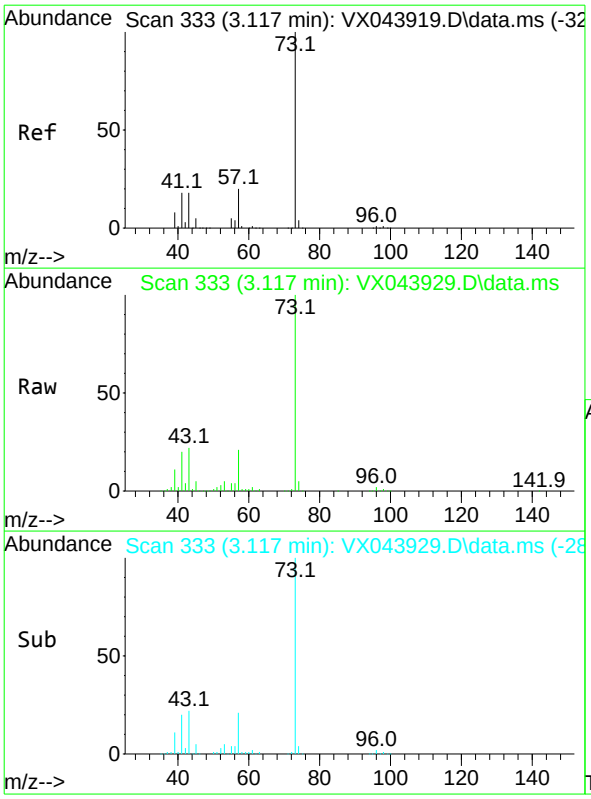


#18
Methyl Acetate
Concen: 105.800 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 43 Resp: 247225

Ion	Ratio	Lower	Upper
43	100		
74	23.3	20.1	30.1

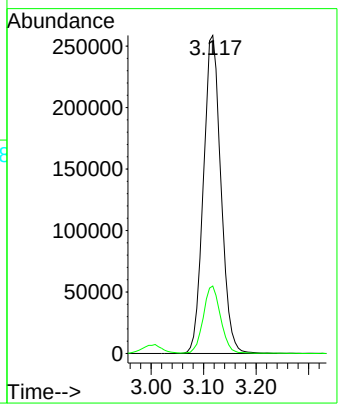




#19
Methyl tert-butyl Ether
Concen: 112.347 ug/l
RT: 3.117 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 73 Resp: 597600

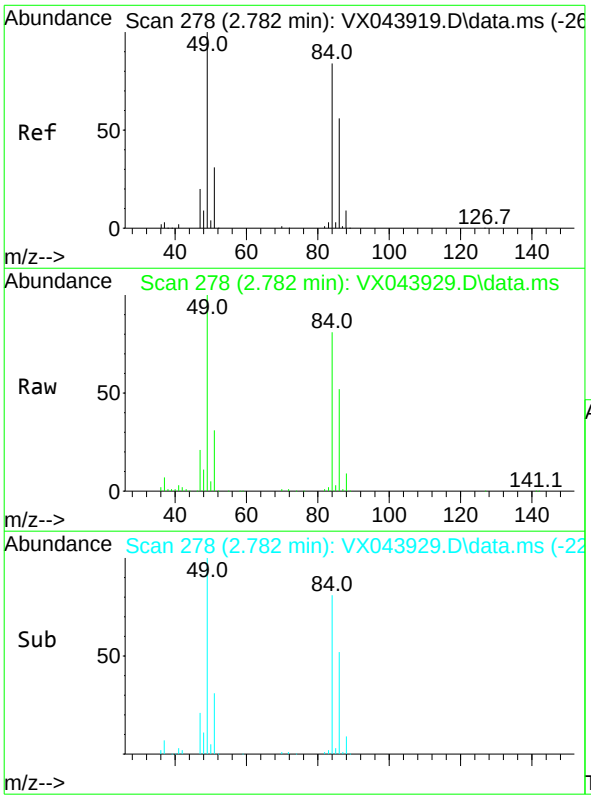
Ion	Ratio	Lower	Upper
73	100		
57	21.1	16.4	24.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

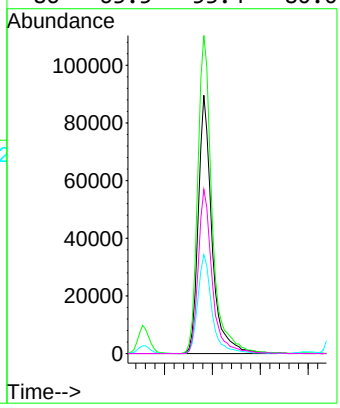
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

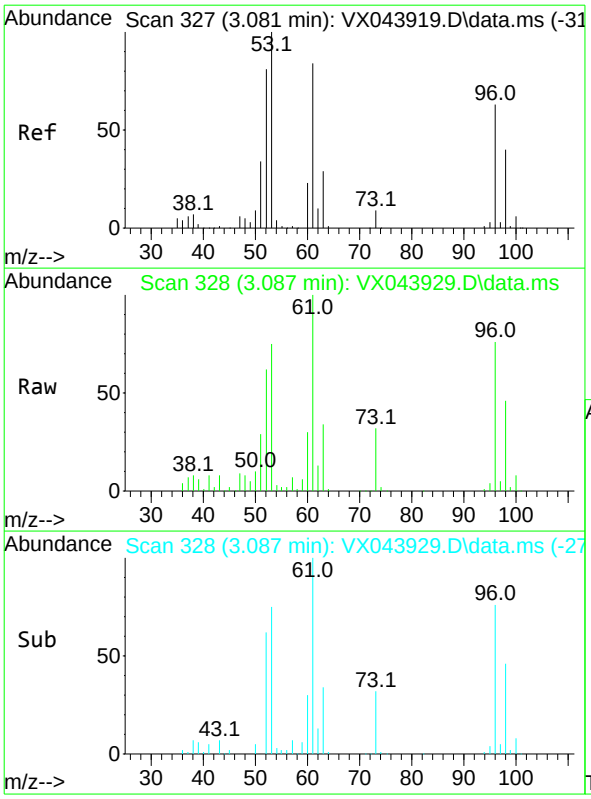


#20
Methylene Chloride
Concen: 99.663 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 84 Resp: 178008

Ion	Ratio	Lower	Upper
84	100		
49	123.1	95.1	142.7
51	38.3	29.2	43.8
86	63.5	53.4	80.0

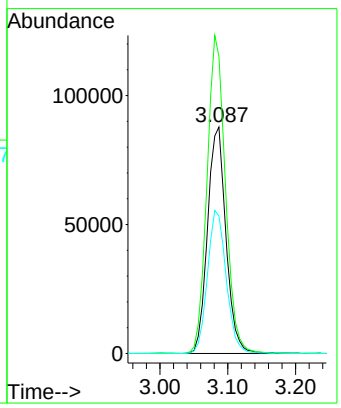




#21
trans-1,2-Dichloroethene
Concen: 105.798 ug/l
RT: 3.087 min Scan# 32
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 96 Resp: 165989

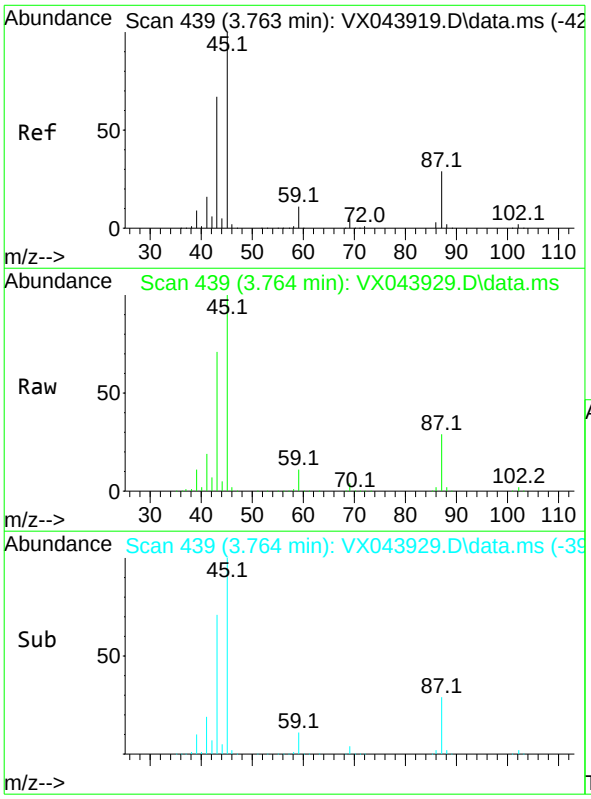
Ion	Ratio	Lower	Upper
96	100		
61	131.1	106.4	159.6
98	60.7	50.9	76.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

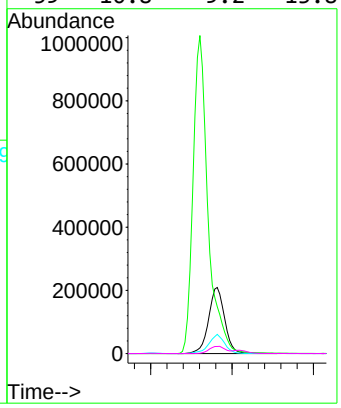
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

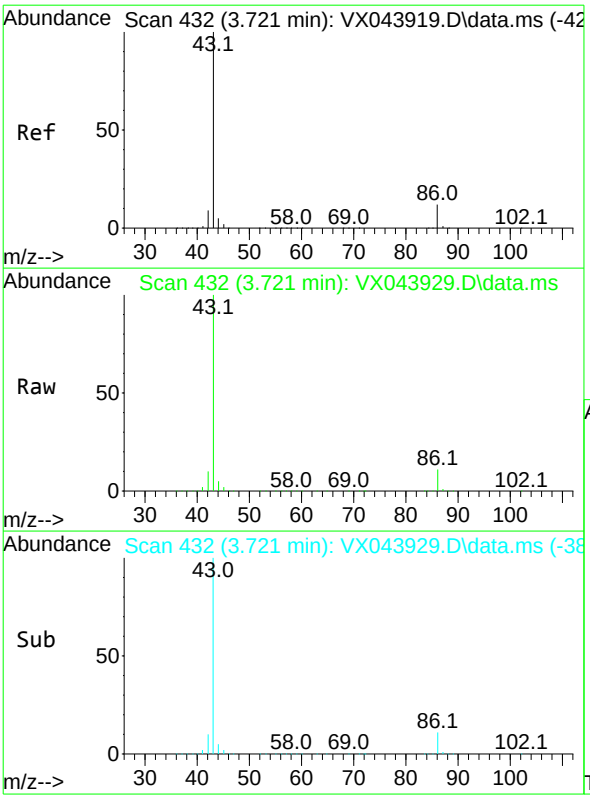


#22
Diisopropyl ether
Concen: 112.380 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 45 Resp: 572855

Ion	Ratio	Lower	Upper
45	100		
43	71.1	53.8	80.6
87	29.1	23.4	35.2
59	10.8	9.2	13.8

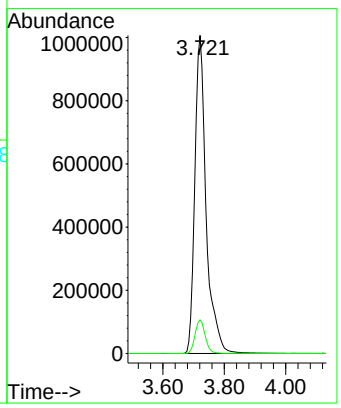




#23
Vinyl Acetate
Concen: 622.111 ug/l
RT: 3.721 min Scan# 43
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 43 Resp: 2570419

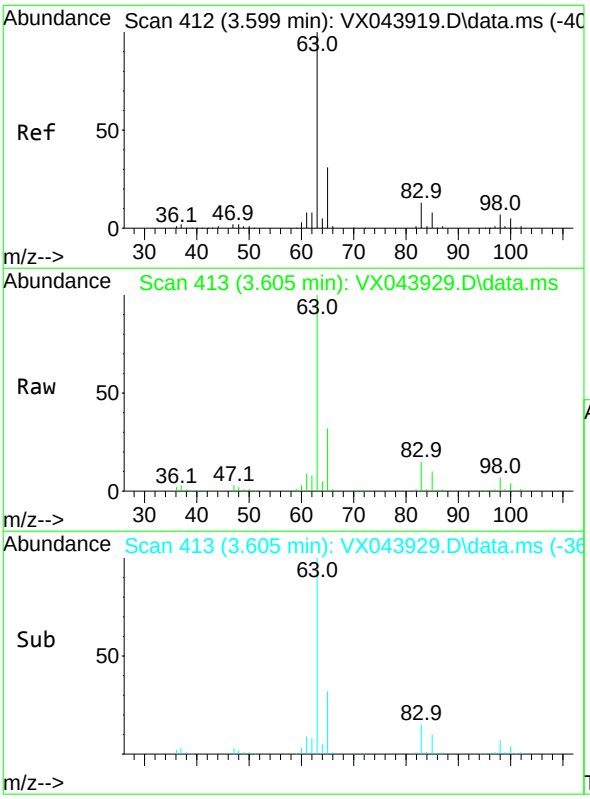
Ion	Ratio	Lower	Upper
43	100		
86	10.6	9.4	14.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

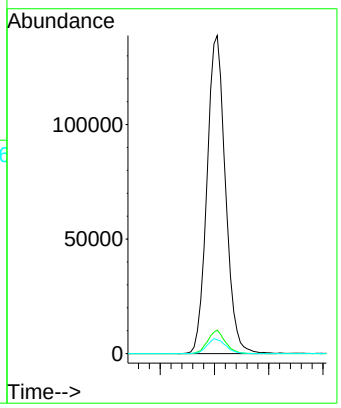
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

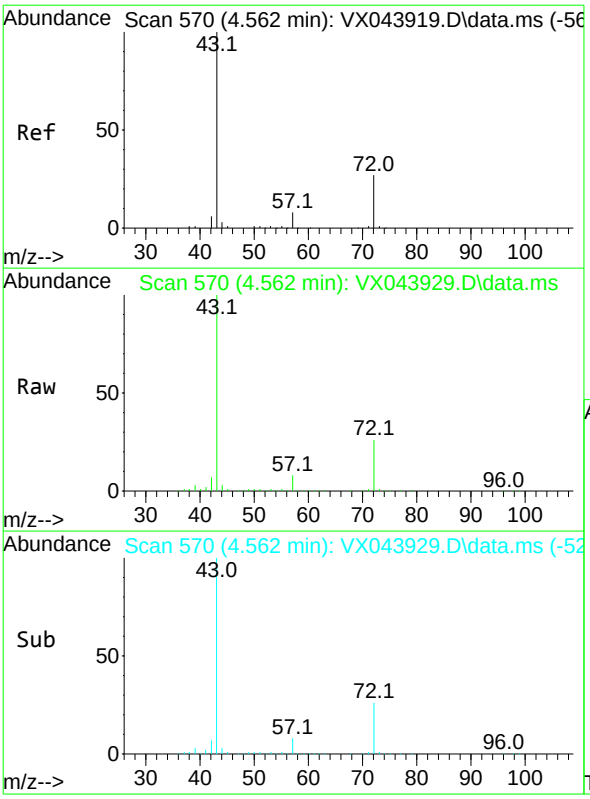


#24
1,1-Dichloroethane
Concen: 109.327 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 63 Resp: 327756

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.7	11.1
100	4.3	2.4	7.2

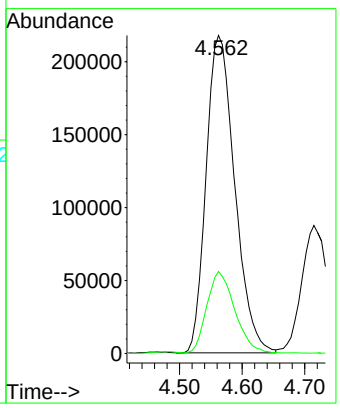




#25
2-Butanone
Concen: 578.867 ug/l
RT: 4.562 min Scan# 57
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 43 Resp: 690992

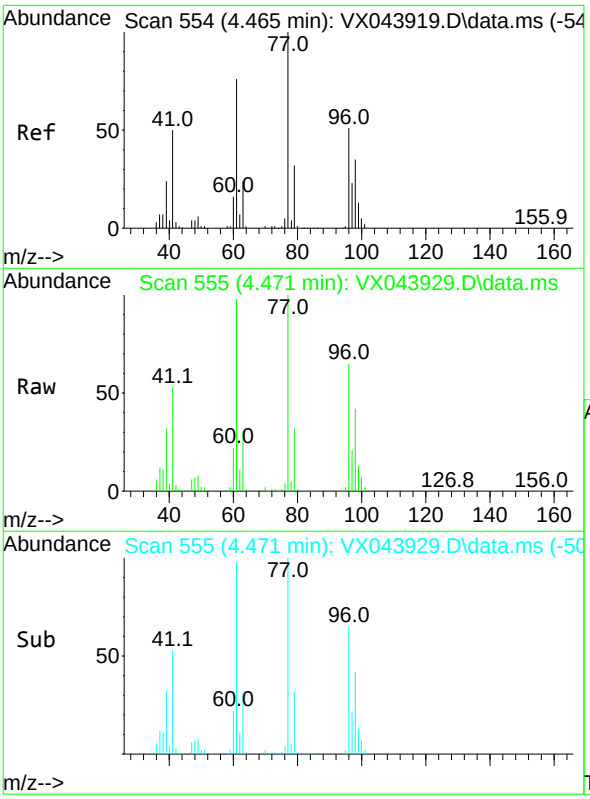
Ion	Ratio	Lower	Upper
43	100		
72	25.6	21.3	31.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

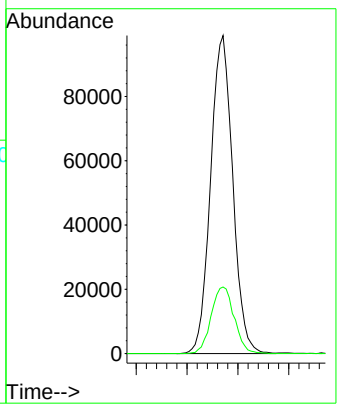
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

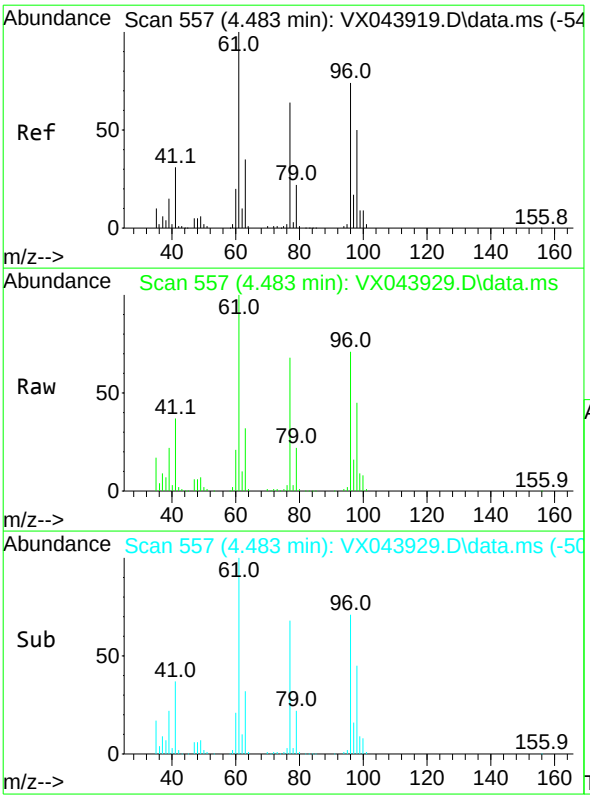


#26
2,2-Dichloropropane
Concen: 121.468 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 77 Resp: 299254

Ion	Ratio	Lower	Upper
77	100		
97	21.8	11.7	35.1

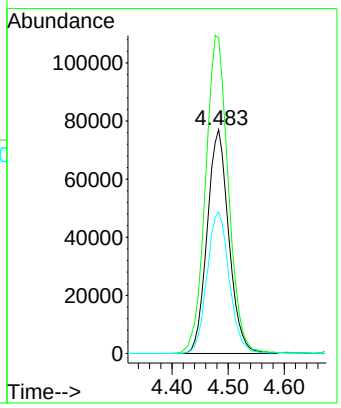




#27
cis-1,2-Dichloroethene
Concen: 105.613 ug/l
RT: 4.483 min Scan# 55
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 96 Resp: 206207

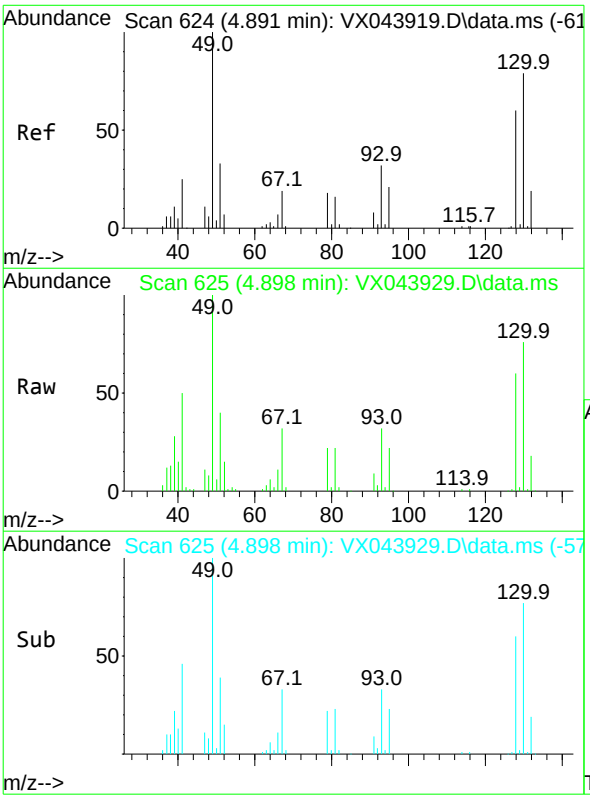
Ion	Ratio	Lower	Upper
96	100		
61	150.0	0.0	279.4
98	65.1	0.0	131.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

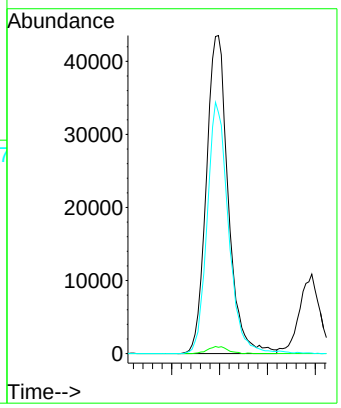
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

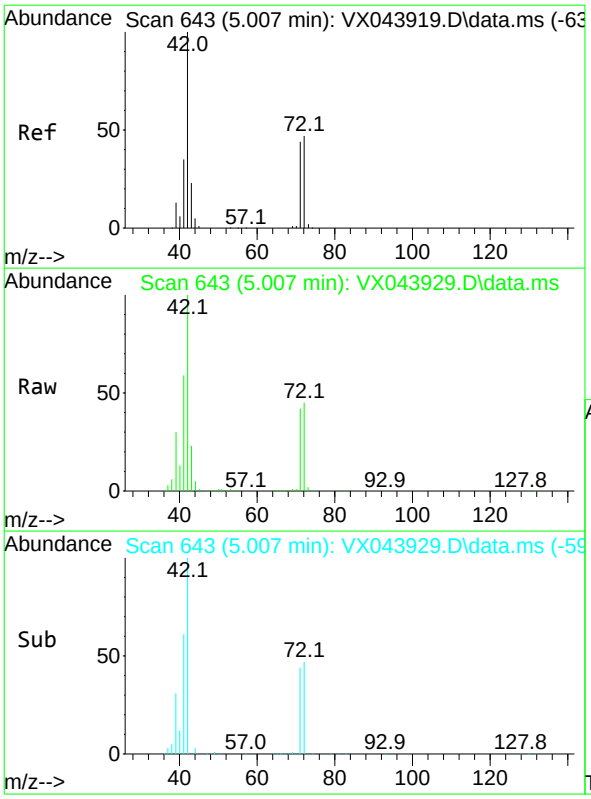


#28
Bromochloromethane
Concen: 109.575 ug/l
RT: 4.898 min Scan# 625
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 49 Resp: 138227

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.4
130	76.5	68.2	102.2

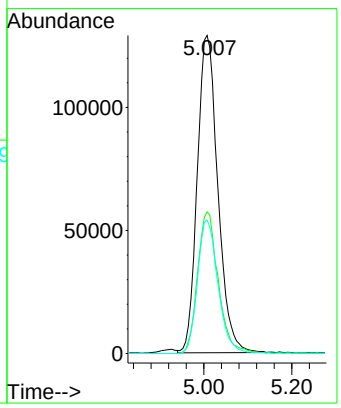




#29
Tetrahydrofuran
Concen: 543.649 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 42 Resp: 419337

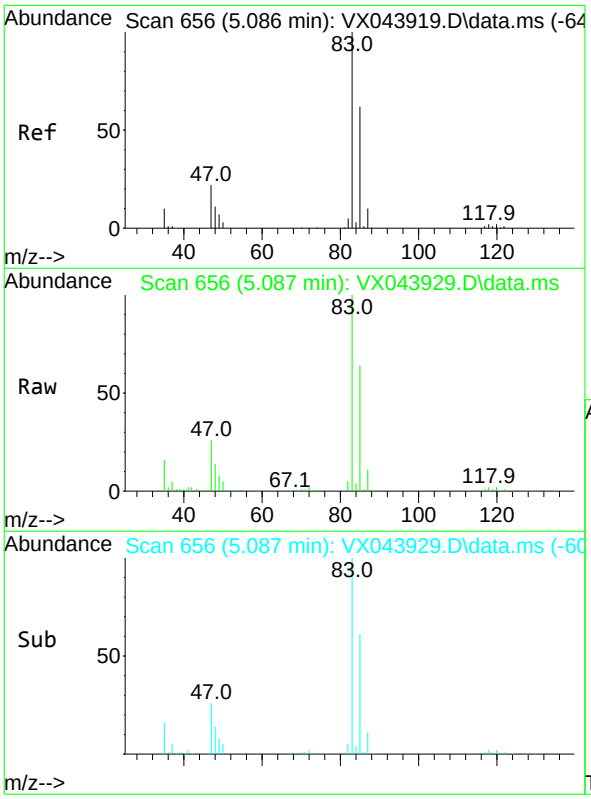
Ion	Ratio	Lower	Upper
42	100		
72	45.0	37.9	56.9
71	41.6	34.8	52.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

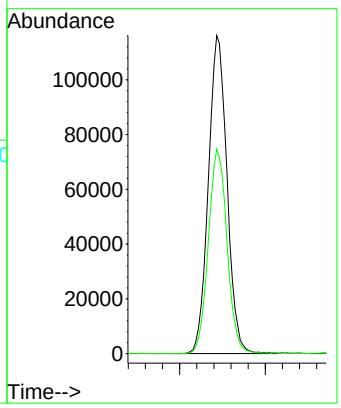
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

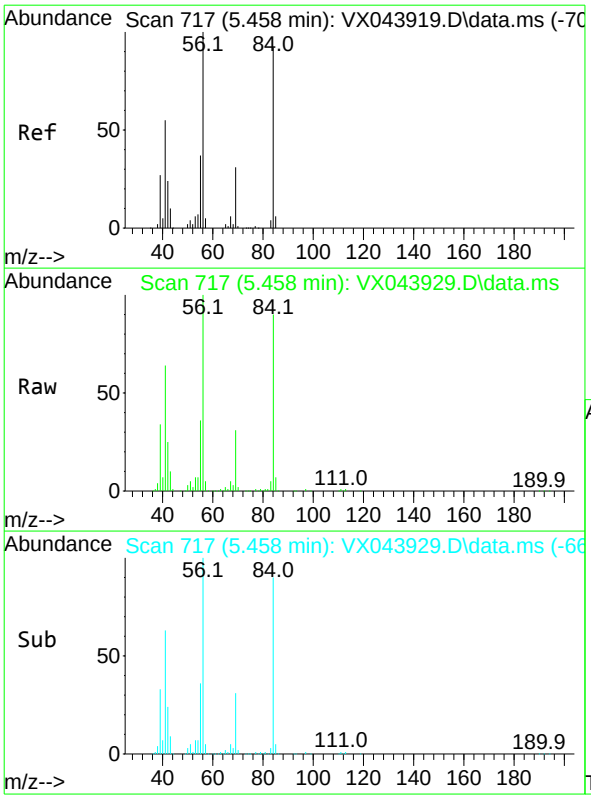


#30
Chloroform
Concen: 112.294 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 83 Resp: 350923

Ion	Ratio	Lower	Upper
83	100		
85	64.3	49.7	74.5

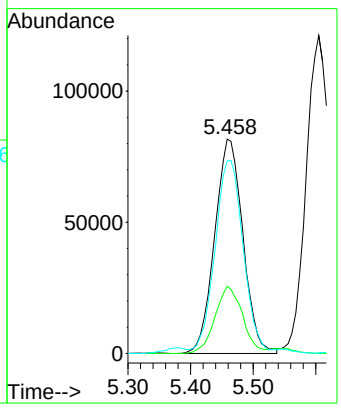




#31
Cyclohexane
Concen: 105.404 ug/l
RT: 5.458 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 56 Resp: 256114

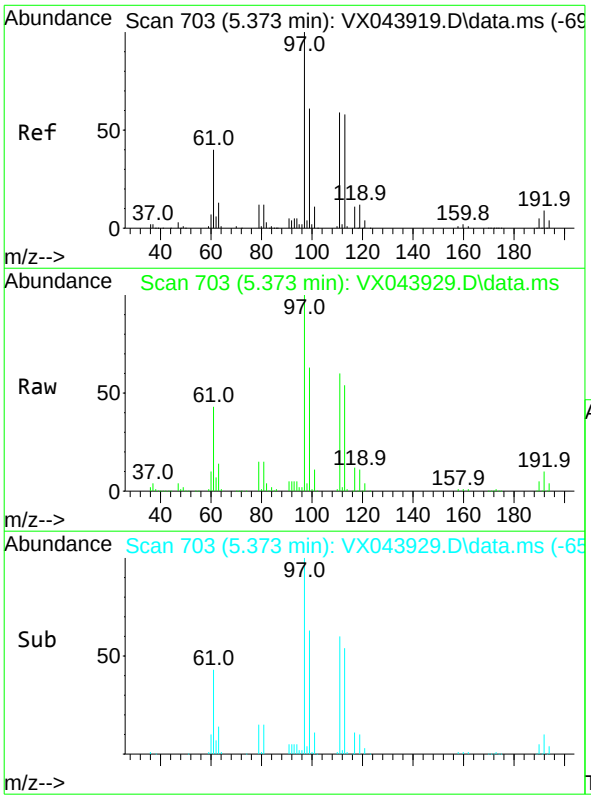
Ion	Ratio	Lower	Upper
56	100		
69	31.3	24.9	37.3
84	88.2	73.8	110.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

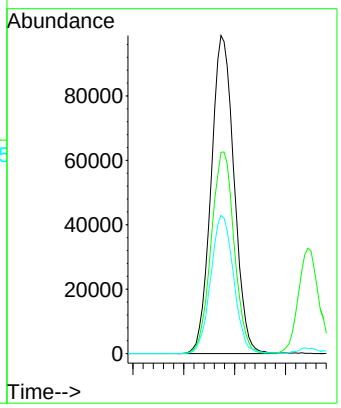
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

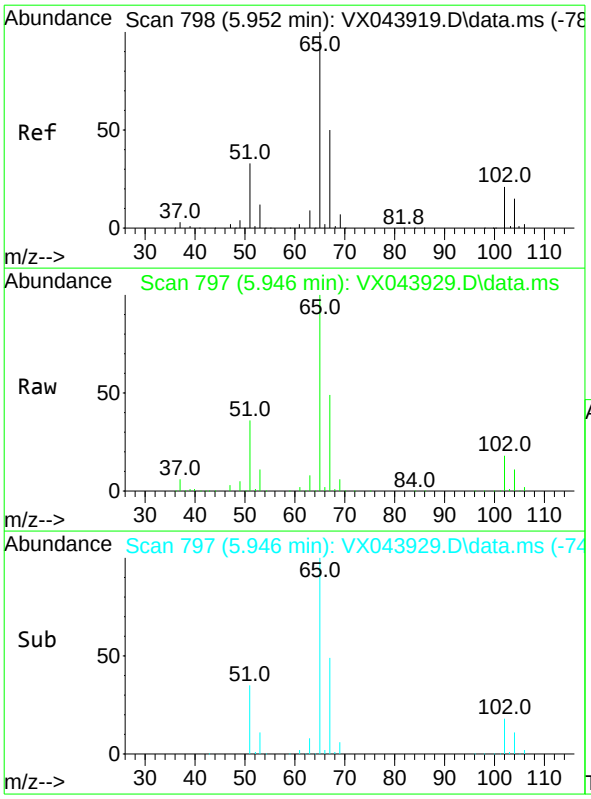


#32
1,1,1-Trichloroethane
Concen: 115.841 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 97 Resp: 309469

Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.2	76.8
61	43.4	32.9	49.3

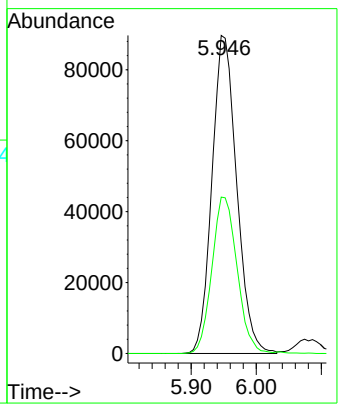




#33
1,2-Dichloroethane-d4
Concen: 111.333 ug/l
RT: 5.946 min Scan# 79
Delta R.T. -0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 65 Resp: 236531

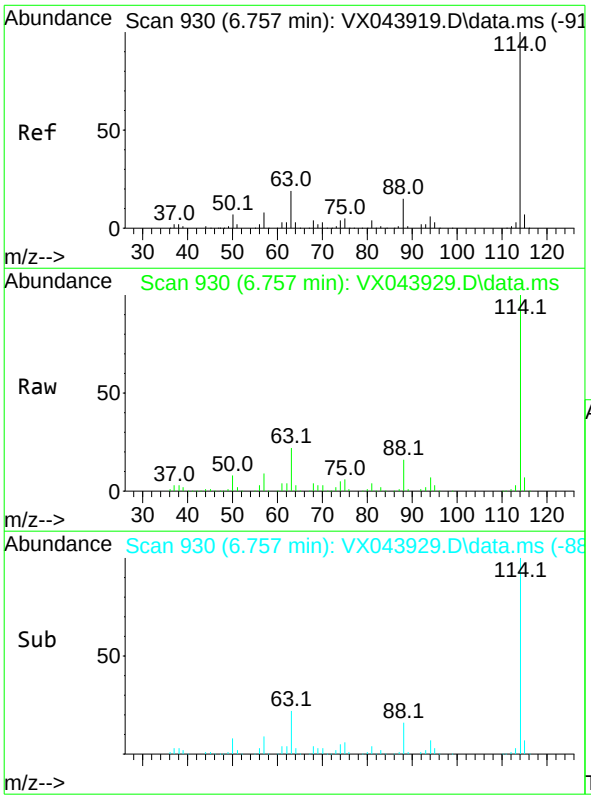
Ion	Ratio	Lower	Upper
65	100		
67	50.0	0.0	103.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

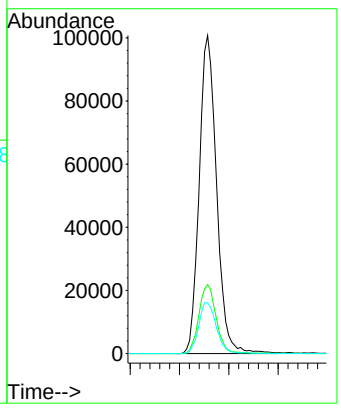
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

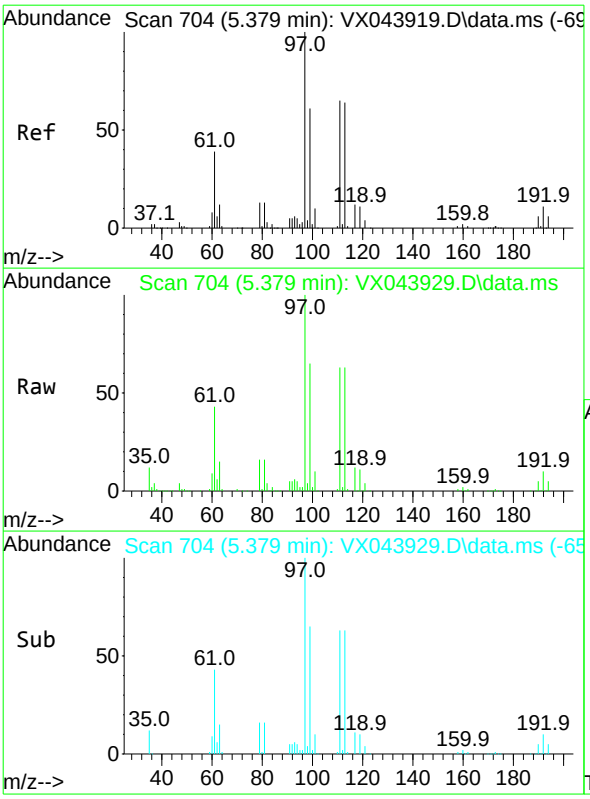


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:114 Resp: 246419

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	39.0
88	15.9	0.0	30.2





#35
Dibromofluoromethane
Concen: 106.893 ug/l
RT: 5.379 min Scan# 70
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

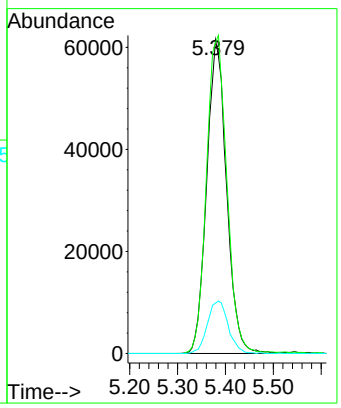
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

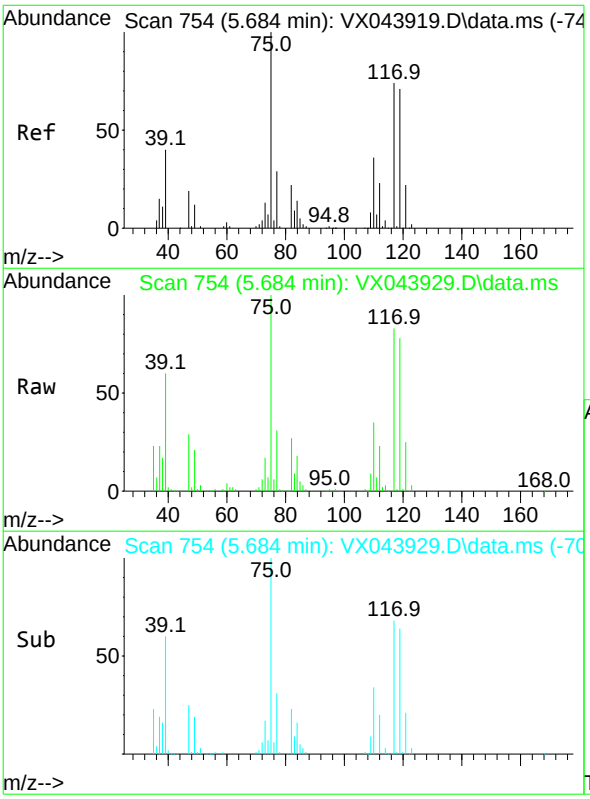
Tgt Ion:113 Resp: 176869

Ion	Ratio	Lower	Upper
113	100		
111	104.6	81.0	121.6
192	17.6	14.2	21.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

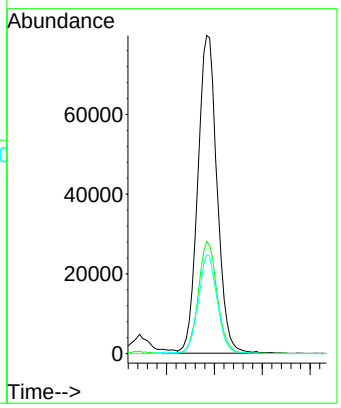


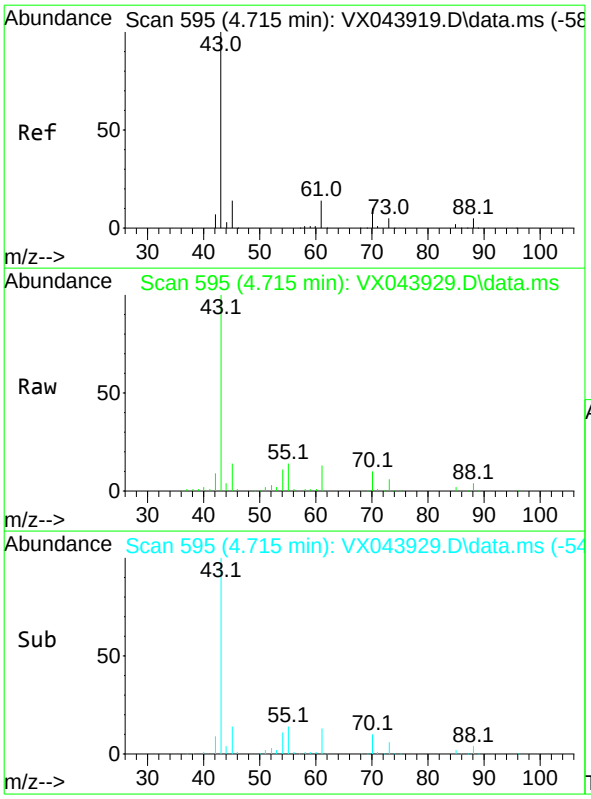


#36
1,1-Dichloropropene
Concen: 107.931 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 75 Resp: 222573

Ion	Ratio	Lower	Upper
75	100		
110	34.6	17.5	52.5
77	30.8	24.9	37.3





#37
Ethyl Acetate
Concen: 114.453 ug/l
RT: 4.715 min Scan# 59
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

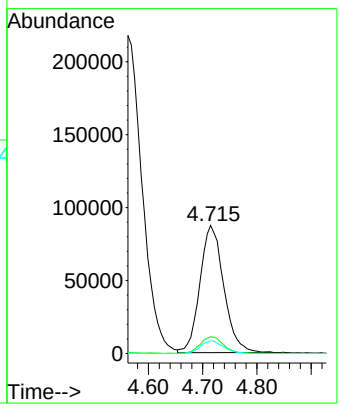
Tgt Ion: 43 Resp: 265631

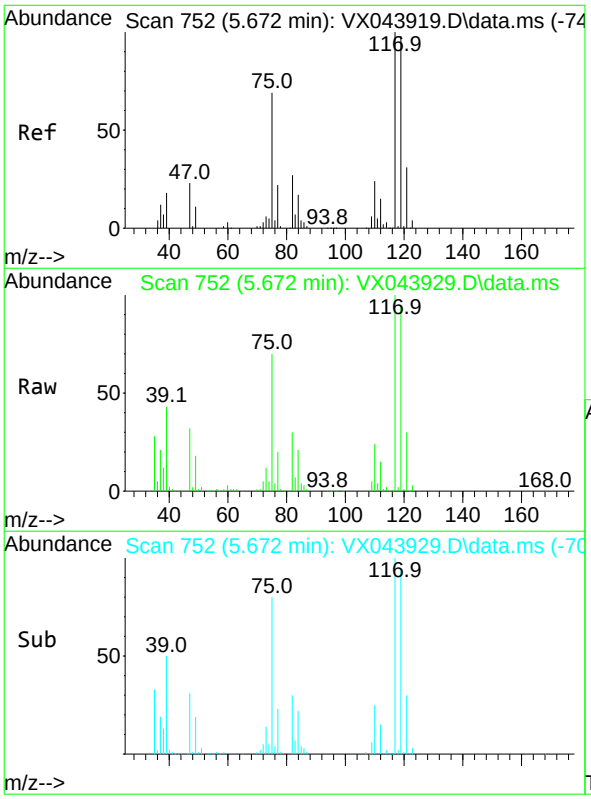
Ion	Ratio	Lower	Upper
43	100		
61	13.2	11.5	17.3
70	9.6	8.7	13.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

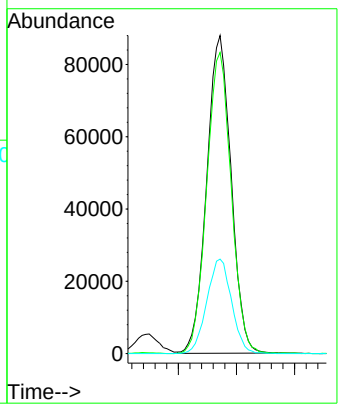


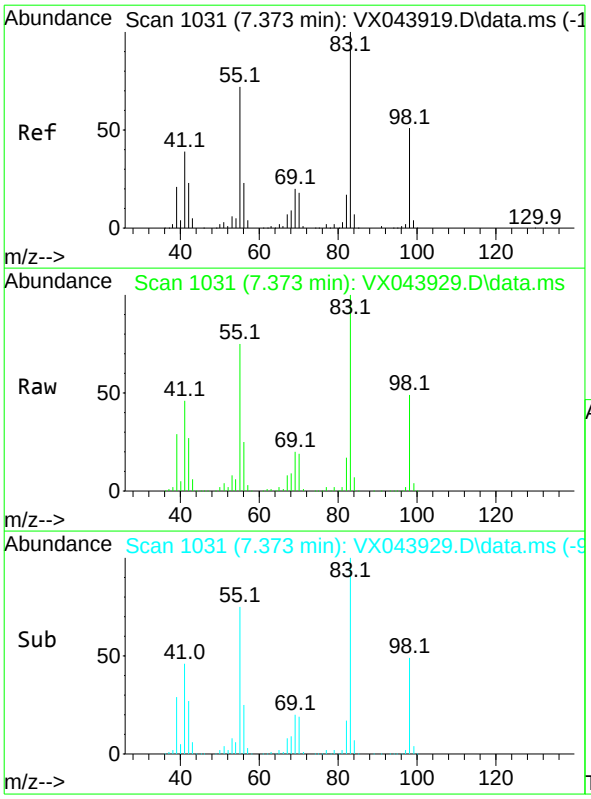


#38
Carbon Tetrachloride
Concen: 117.390 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:117 Resp: 256290

Ion	Ratio	Lower	Upper
117	100		
119	94.7	78.3	117.5
121	29.8	25.1	37.7

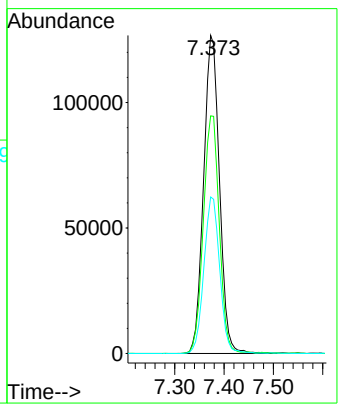




#39
Methylcyclohexane
Concen: 109.652 ug/l
RT: 7.373 min Scan# 10
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 83 Resp: 283075

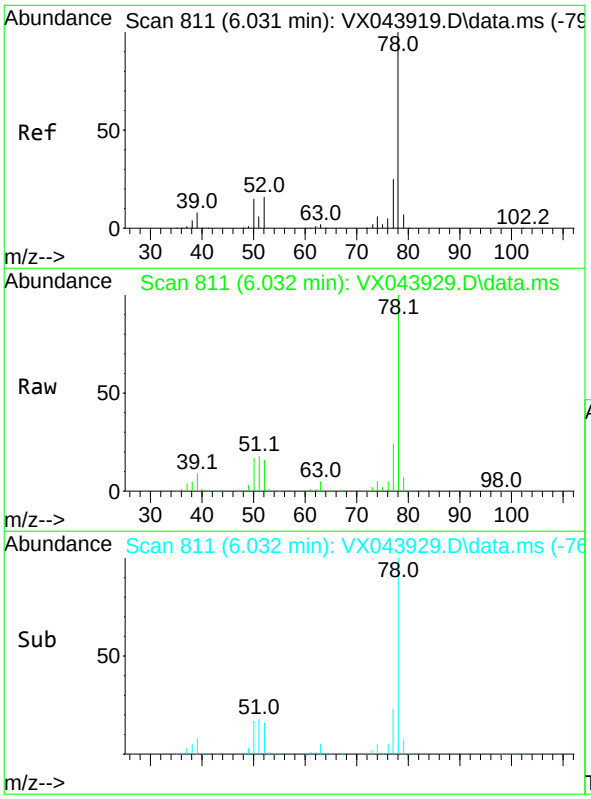
Ion	Ratio	Lower	Upper
83	100		
55	74.7	57.9	86.9
98	49.2	40.5	60.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

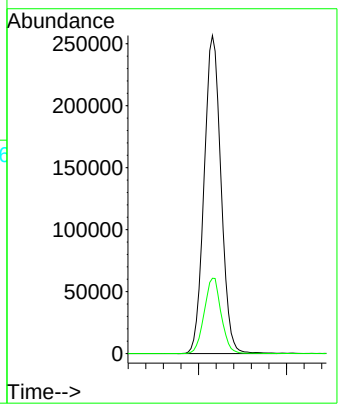
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

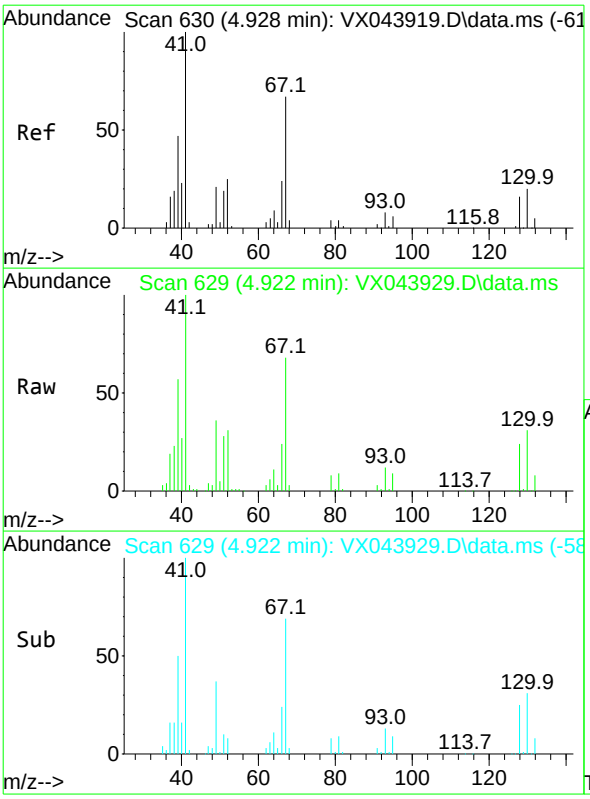


#40
Benzene
Concen: 105.520 ug/l
RT: 6.032 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 78 Resp: 684139

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.8	29.8

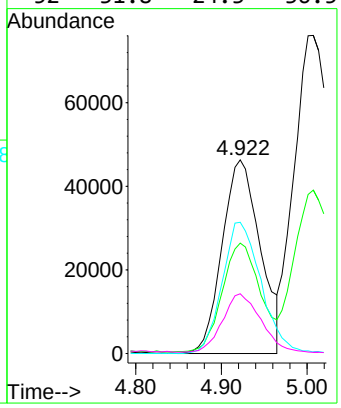




#41
Methacrylonitrile
Concen: 118.447 ug/l
RT: 4.922 min Scan# 62
Delta R.T. -0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 41 Resp: 143256

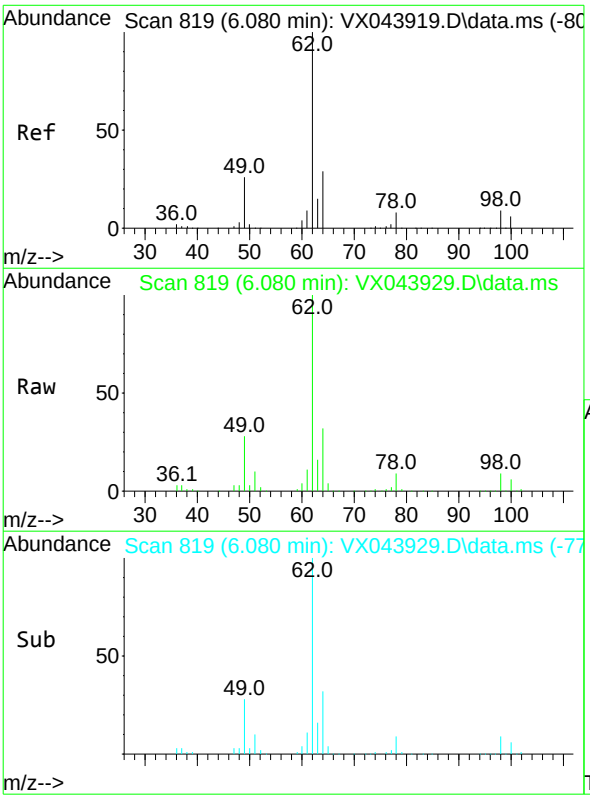
Ion	Ratio	Lower	Upper
41	100		
39	56.3	41.2	61.8
67	69.3	60.3	90.5
52	31.8	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

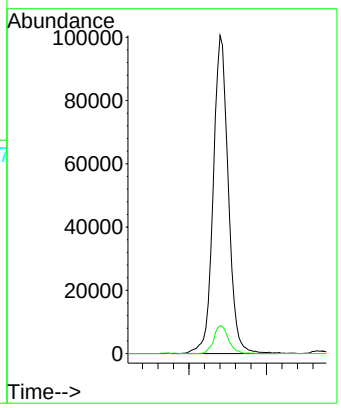
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

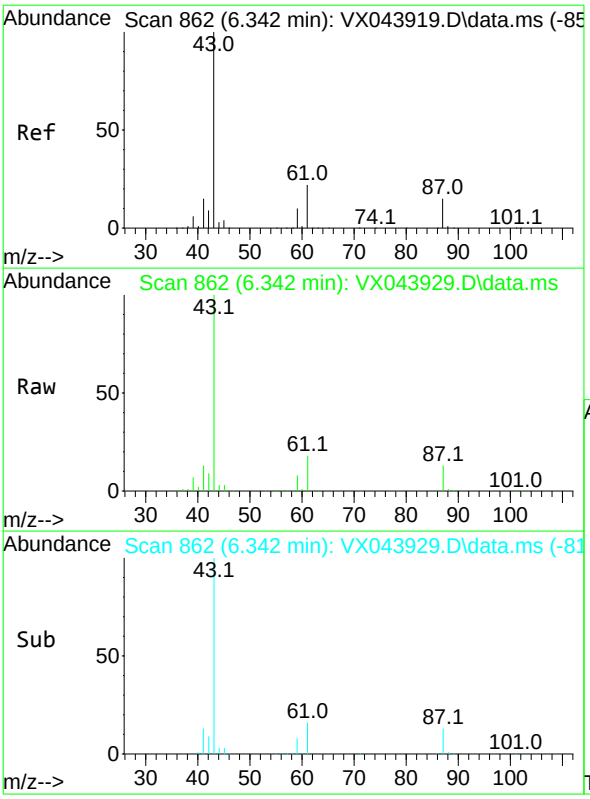


#42
1,2-Dichloroethane
Concen: 115.387 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 62 Resp: 271641

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	18.6

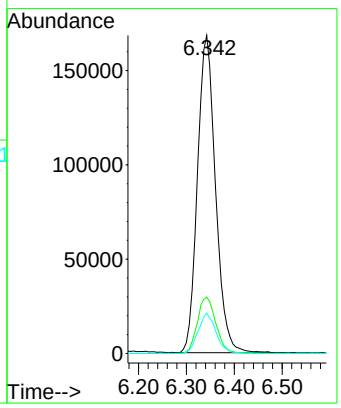




#43
Isopropyl Acetate
Concen: 120.346 ug/l
RT: 6.342 min Scan# 86
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 43 Resp: 440615

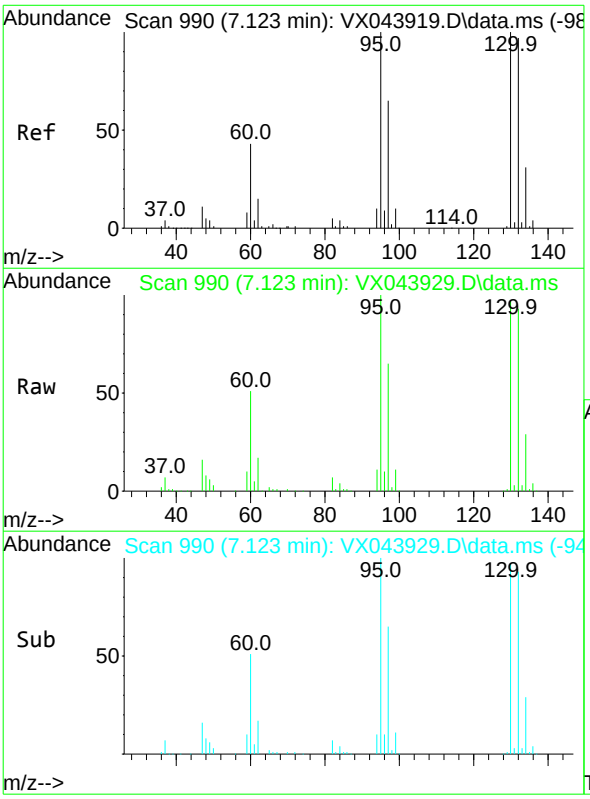
Ion	Ratio	Lower	Upper
43	100		
61	18.3	16.9	25.3
87	12.7	11.9	17.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

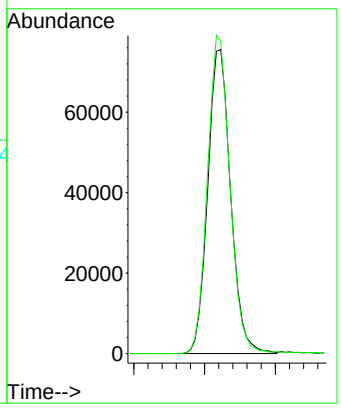
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

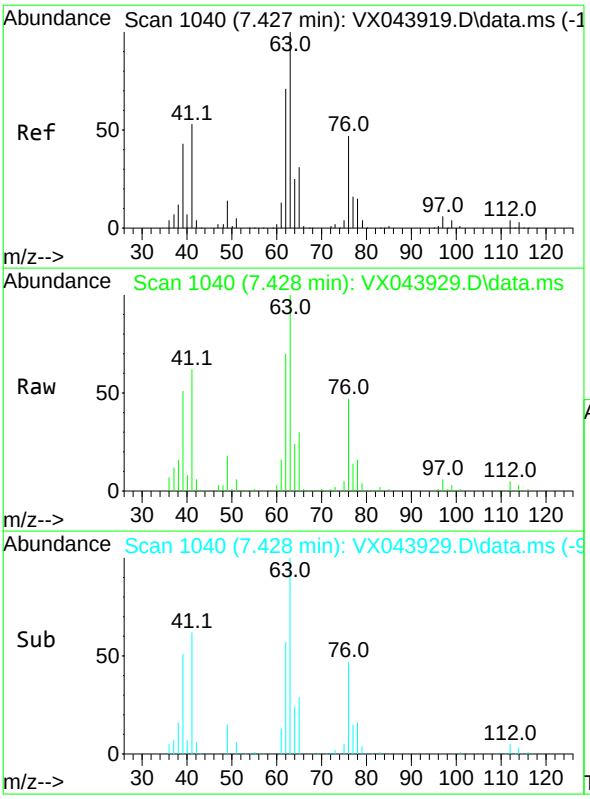


#44
Trichloroethene
Concen: 94.997 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:130 Resp: 169796

Ion	Ratio	Lower	Upper
130	100		
95	102.7	0.0	200.8

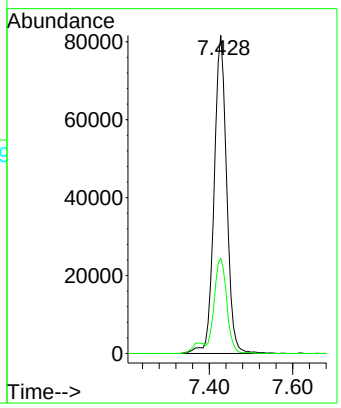




#45
1,2-Dichloropropane
Concen: 107.450 ug/l
RT: 7.428 min Scan# 10
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 63 Resp: 170741

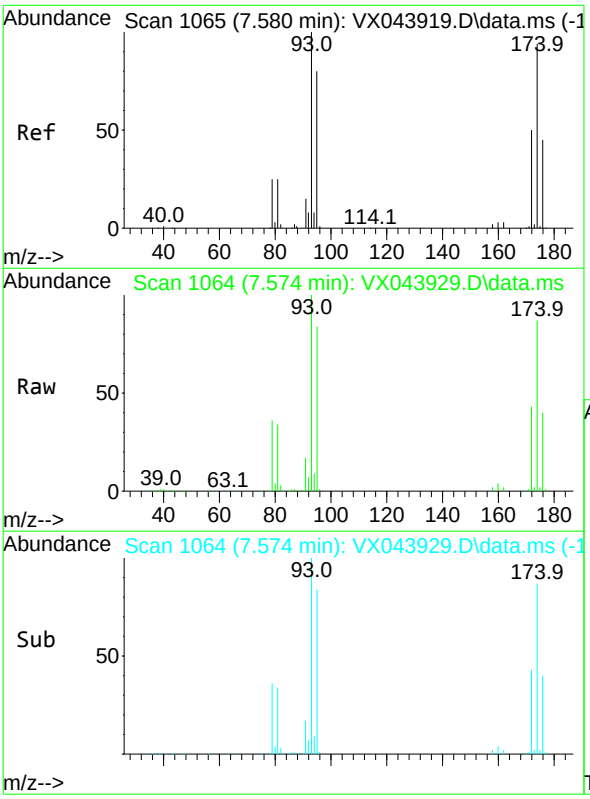
Ion	Ratio	Lower	Upper
63	100		
65	29.9	24.5	36.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

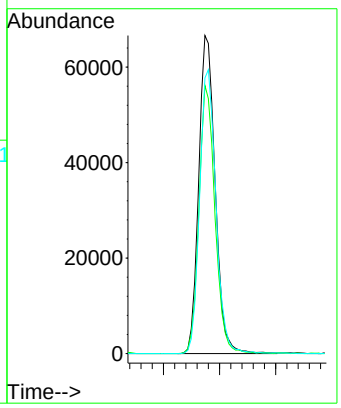
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

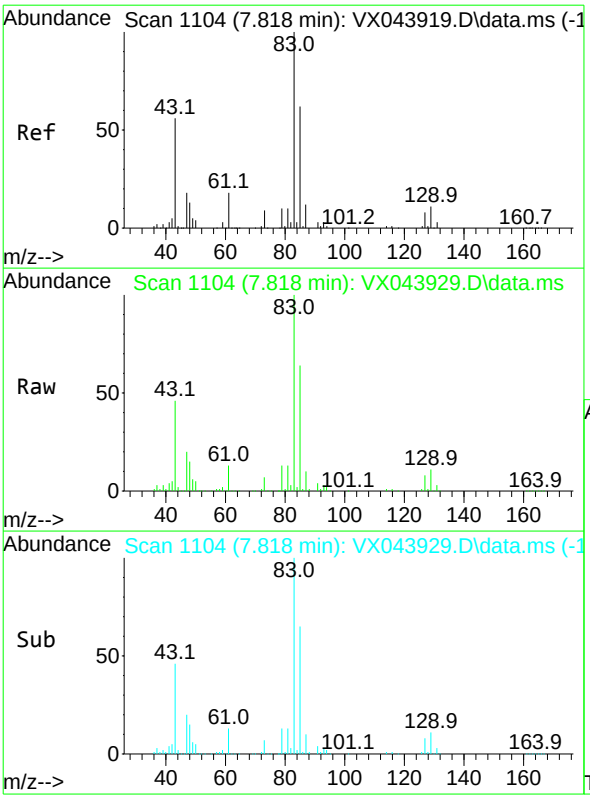


#46
Dibromomethane
Concen: 113.518 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 93 Resp: 135928

Ion	Ratio	Lower	Upper
93	100		
95	81.9	66.1	99.1
174	88.2	75.2	112.8

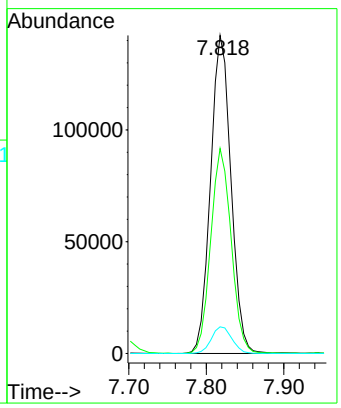




#47
Bromodichloromethane
Concen: 123.792 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 83 Resp: 260442

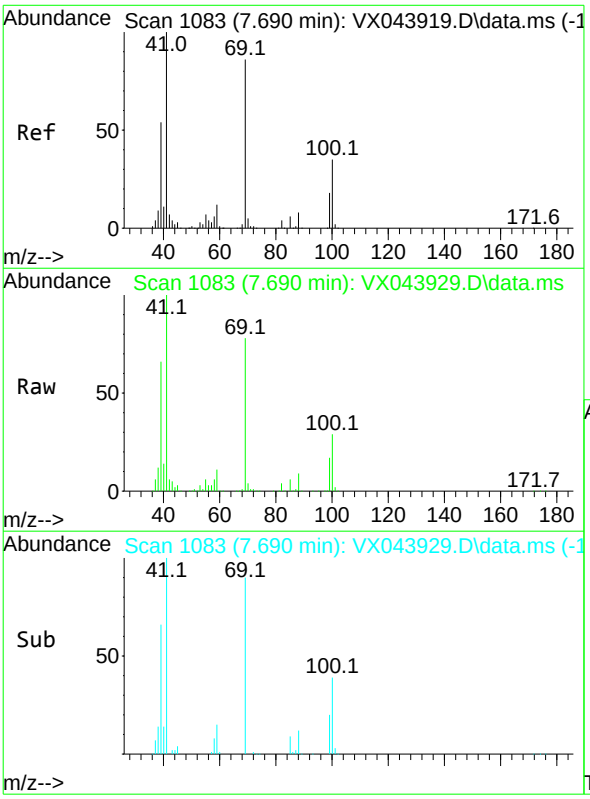
Ion	Ratio	Lower	Upper
83	100		
85	64.5	49.4	74.0
127	8.4	6.2	9.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

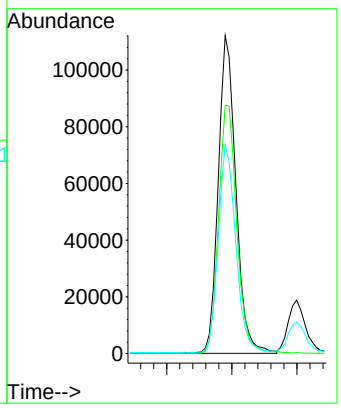
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

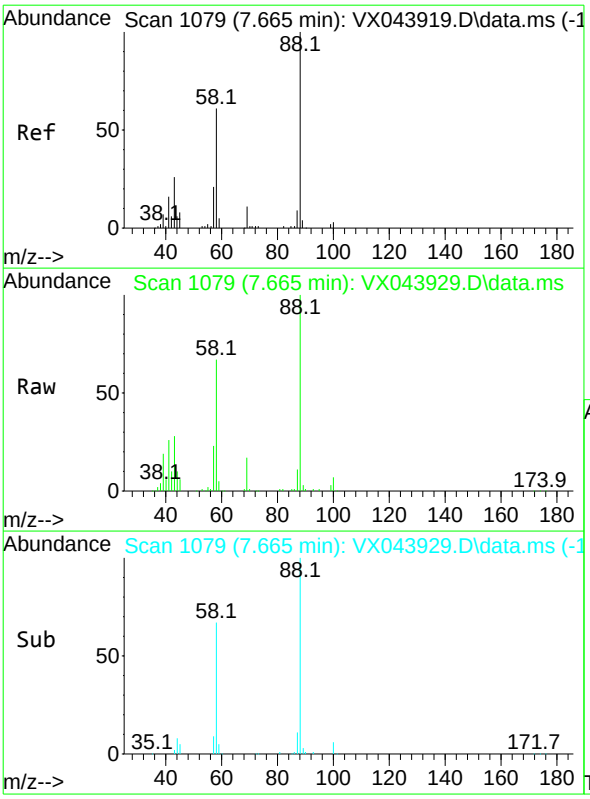


#48
Methyl methacrylate
Concen: 116.061 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 41 Resp: 210614

Ion	Ratio	Lower	Upper
41	100		
69	81.2	72.1	108.1
39	65.6	43.8	65.8

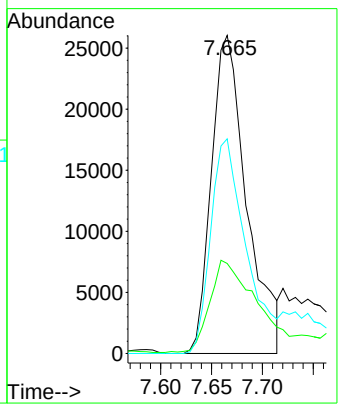




#49
1,4-Dioxane
Concen: 1625.913 ug/l
RT: 7.665 min Scan# 10
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 88 Resp: 62845

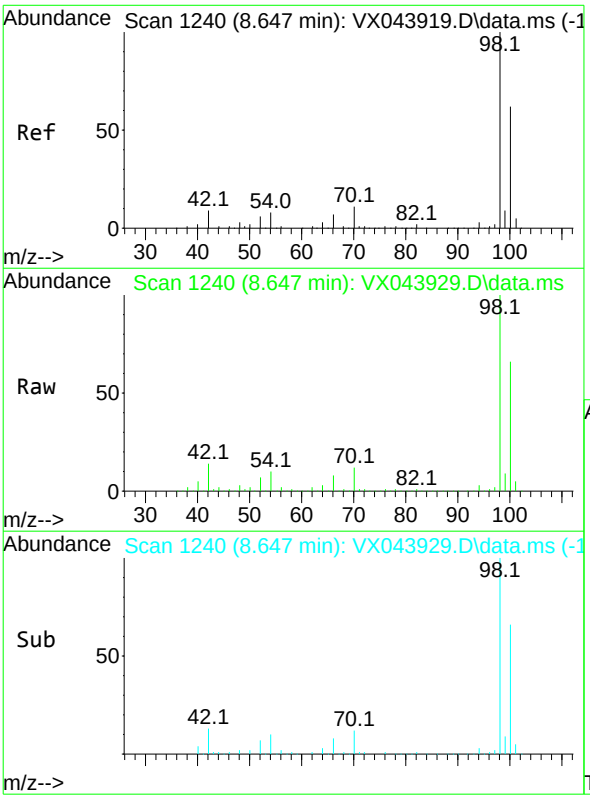
Ion	Ratio	Lower	Upper
88	100		
43	38.8	17.4	26.0#
58	67.9	41.0	61.6#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

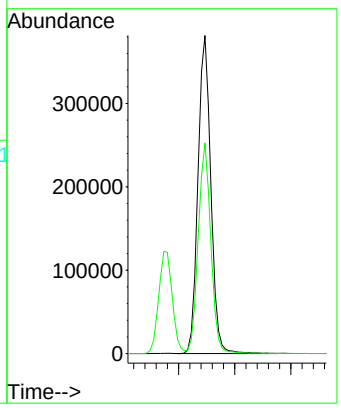
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

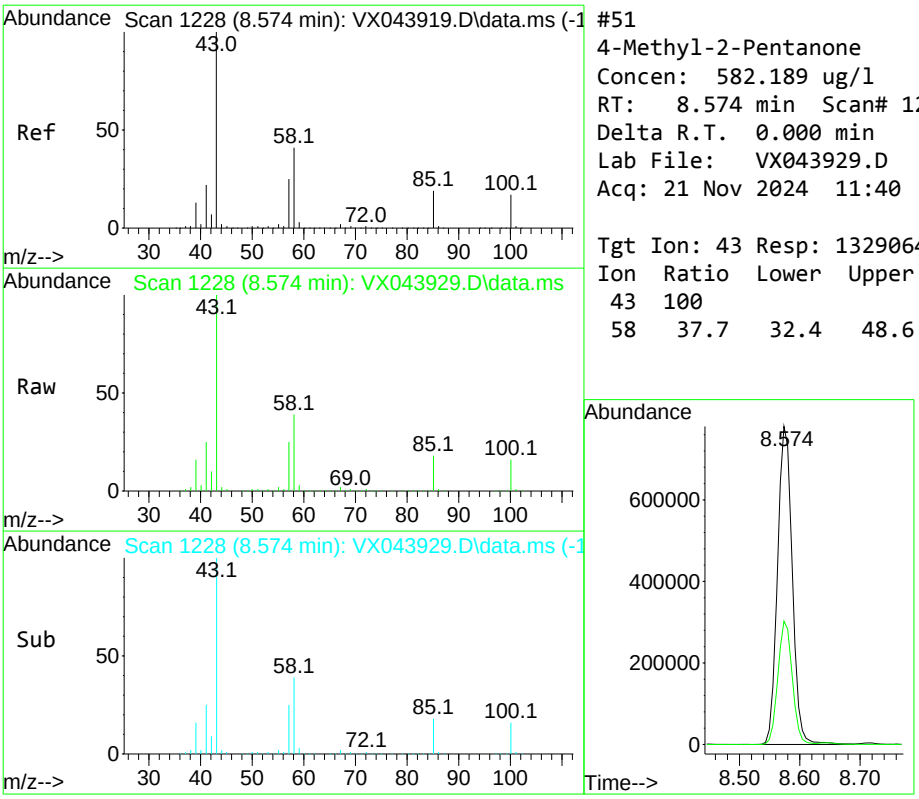


#50
Toluene-d8
Concen: 109.870 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 98 Resp: 607337

Ion	Ratio	Lower	Upper
98	100		
100	65.0	53.0	79.6





#51
4-Methyl-2-Pentanone
Concen: 582.189 ug/l
RT: 8.574 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

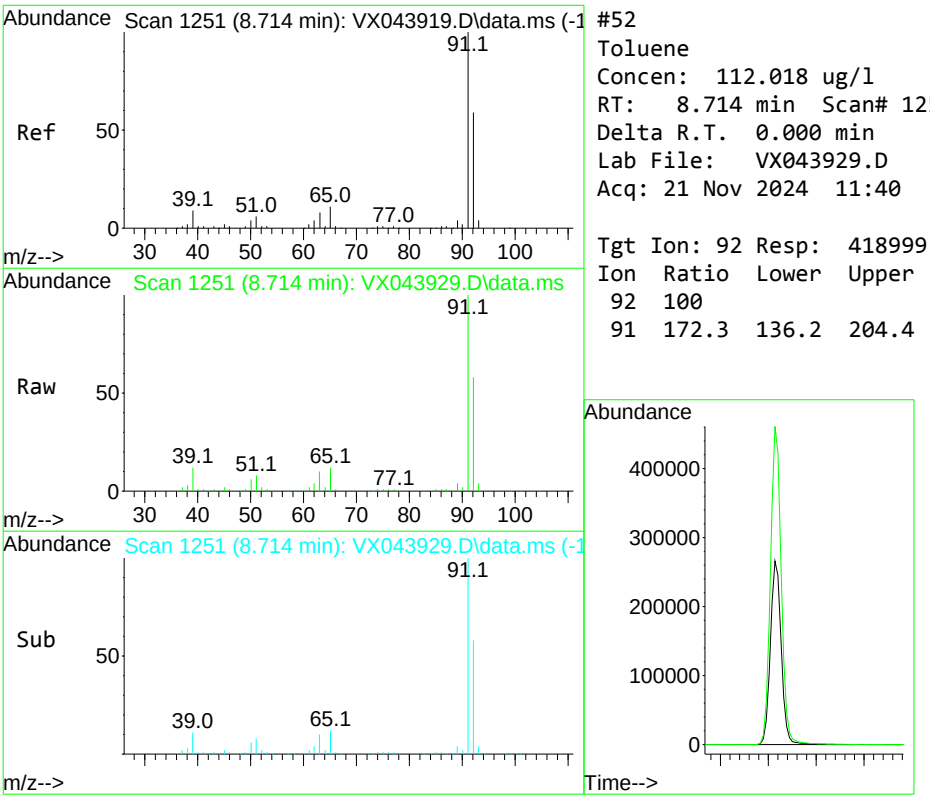
Tgt Ion: 43 Resp: 1329064

Ion	Ratio	Lower	Upper
43	100		
58	37.7	32.4	48.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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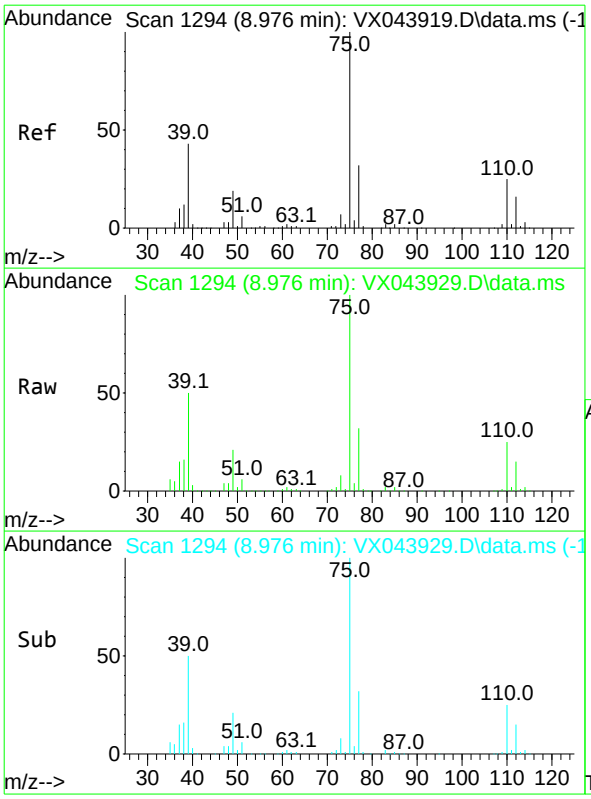
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#52
Toluene
Concen: 112.018 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 92 Resp: 418999

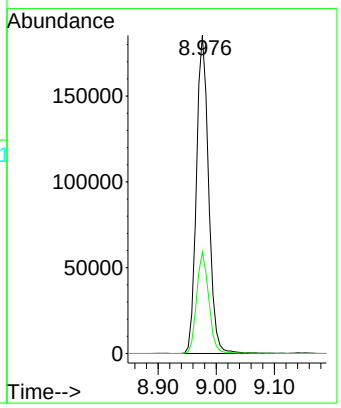
Ion	Ratio	Lower	Upper
92	100		
91	172.3	136.2	204.4



#53
t-1,3-Dichloropropene
Concen: 126.680 ug/l
RT: 8.976 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 75 Resp: 270418

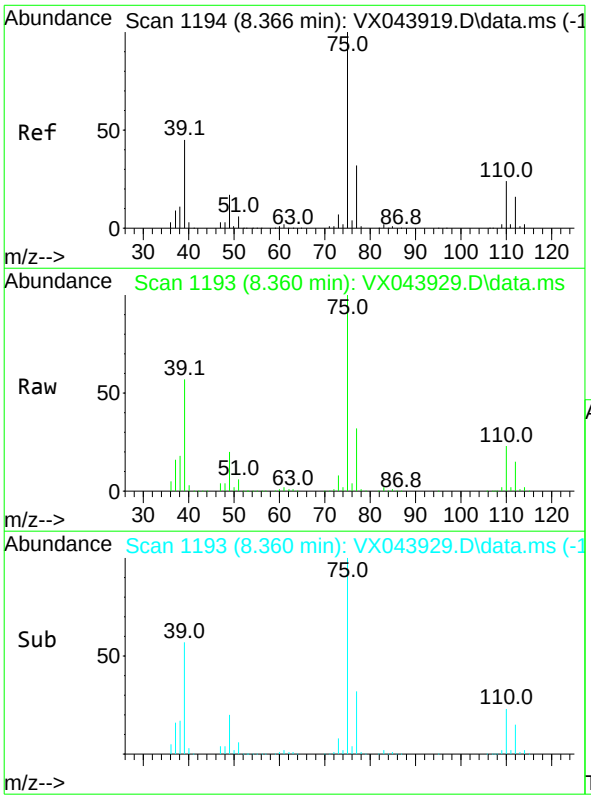
Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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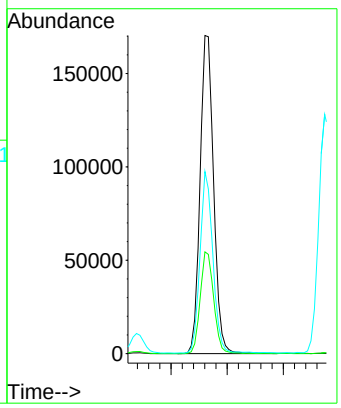
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

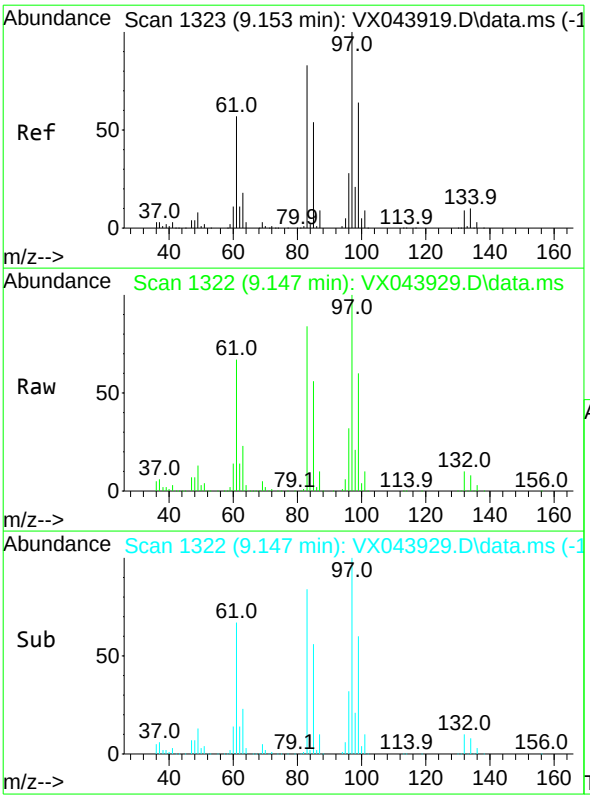


#54
cis-1,3-Dichloropropene
Concen: 118.077 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 75 Resp: 285627

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.4	38.2
39	57.0	36.1	54.1#

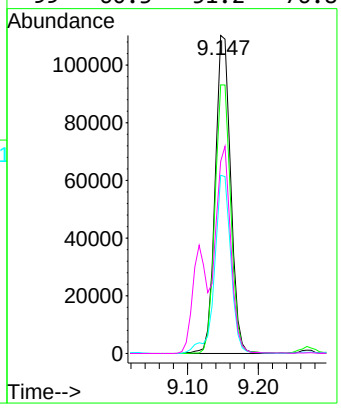




#55
1,1,2-Trichloroethane
Concen: 114.675 ug/l
RT: 9.147 min Scan# 13
Delta R.T. -0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 97 Resp: 167357

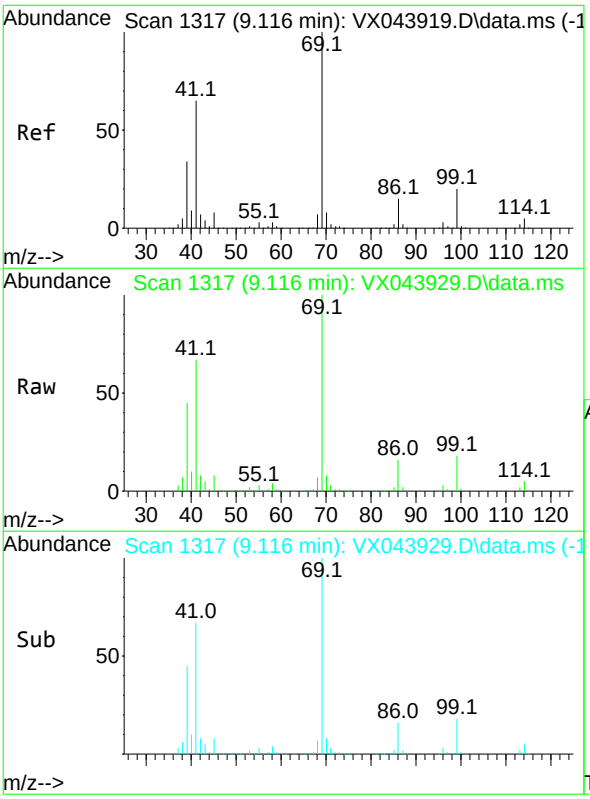
Ion	Ratio	Lower	Upper
97	100		
83	84.5	66.5	99.7
85	56.0	43.4	65.2
99	60.3	51.2	76.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

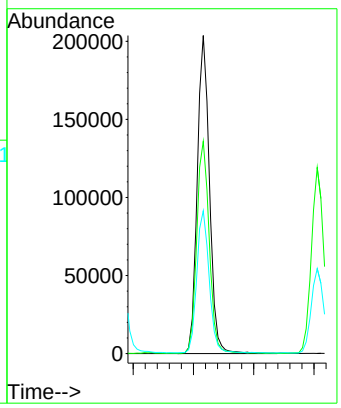
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

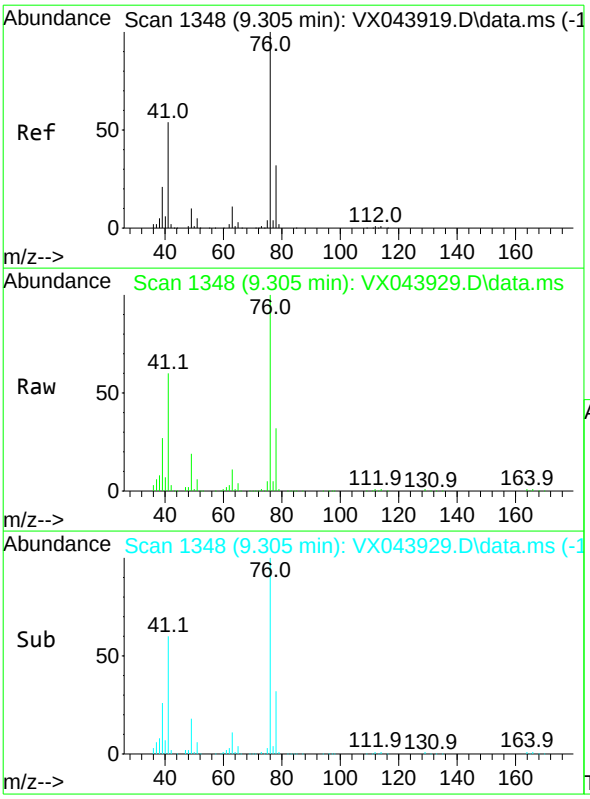


#56
Ethyl methacrylate
Concen: 124.157 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 69 Resp: 286893

Ion	Ratio	Lower	Upper
69	100		
41	68.0	51.7	77.5
39	45.3	26.8	40.2#

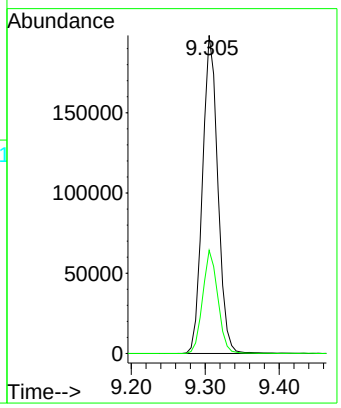




#57
1,3-Dichloropropane
Concen: 116.773 ug/l
RT: 9.305 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 76 Resp: 285511

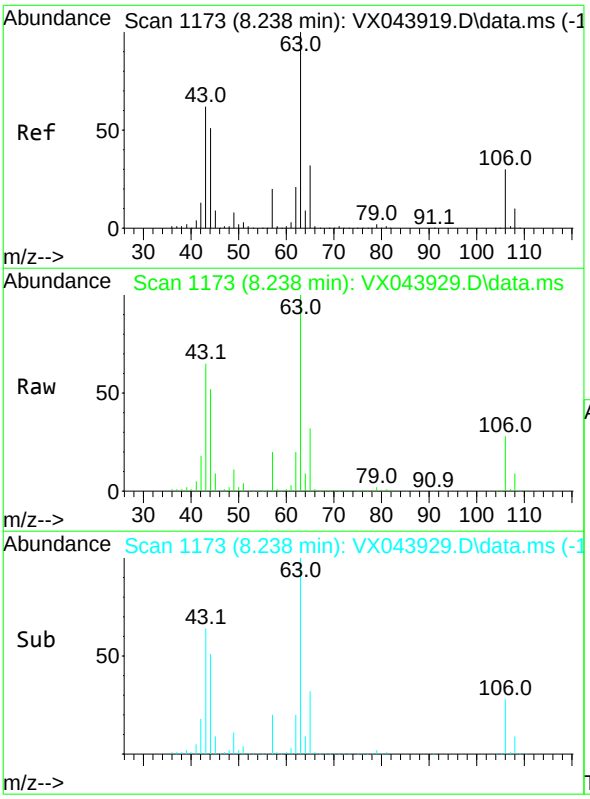
Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

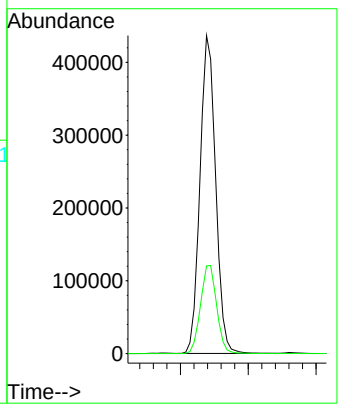
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

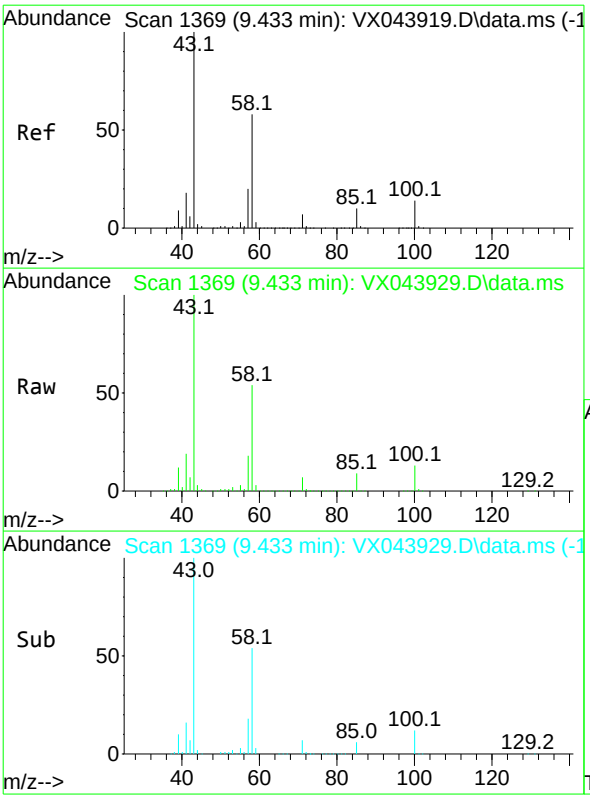


#58
2-Chloroethyl Vinyl ether
Concen: 576.637 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 63 Resp: 698756

Ion	Ratio	Lower	Upper
63	100		
106	28.6	23.8	35.6

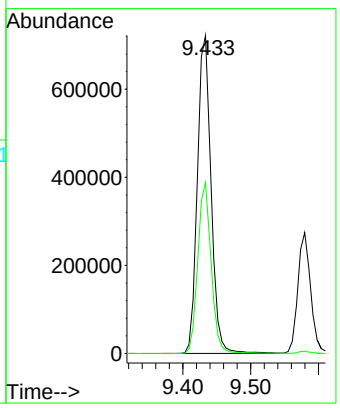




#59
2-Hexanone
Concen: 627.842 ug/l
RT: 9.433 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 43 Resp: 1011261

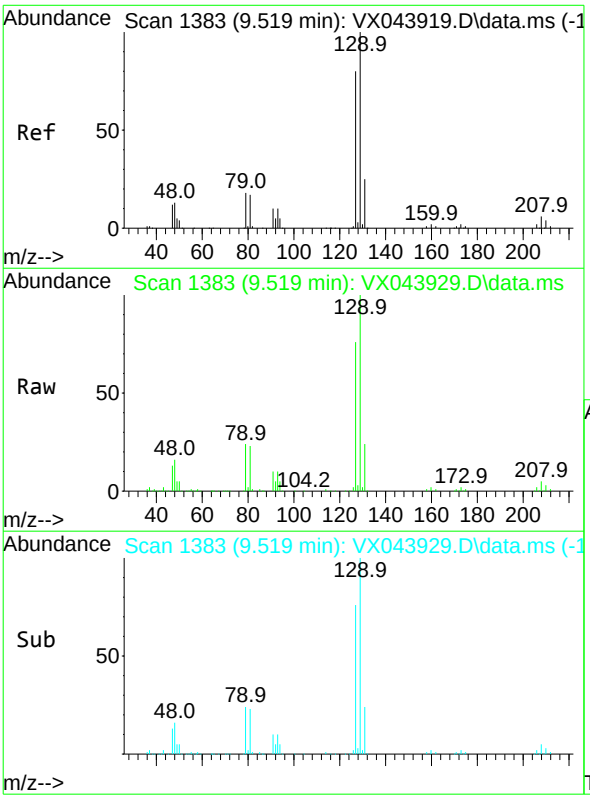
Ion	Ratio	Lower	Upper
43	100		
58	52.7	28.3	84.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

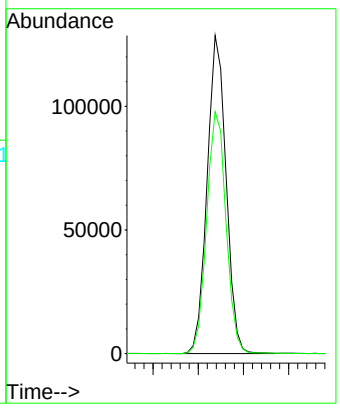
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

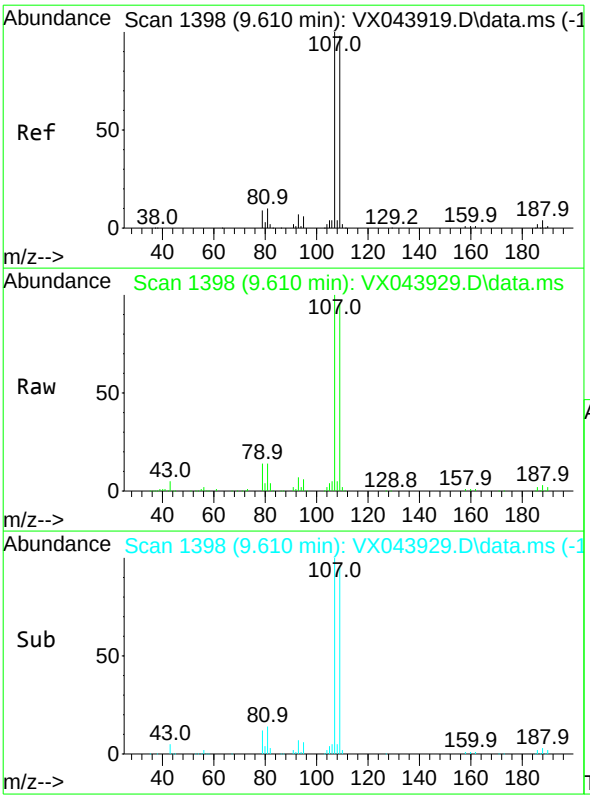


#60
Dibromochloromethane
Concen: 131.832 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:129 Resp: 187476

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.6	115.8

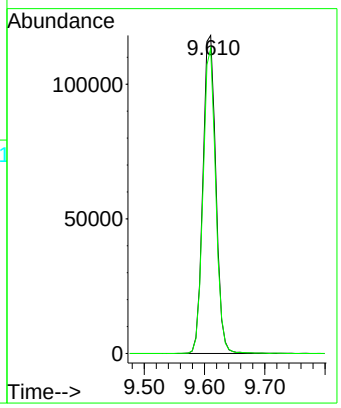




#61
1,2-Dibromoethane
Concen: 115.841 ug/l
RT: 9.610 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:107 Resp: 176345

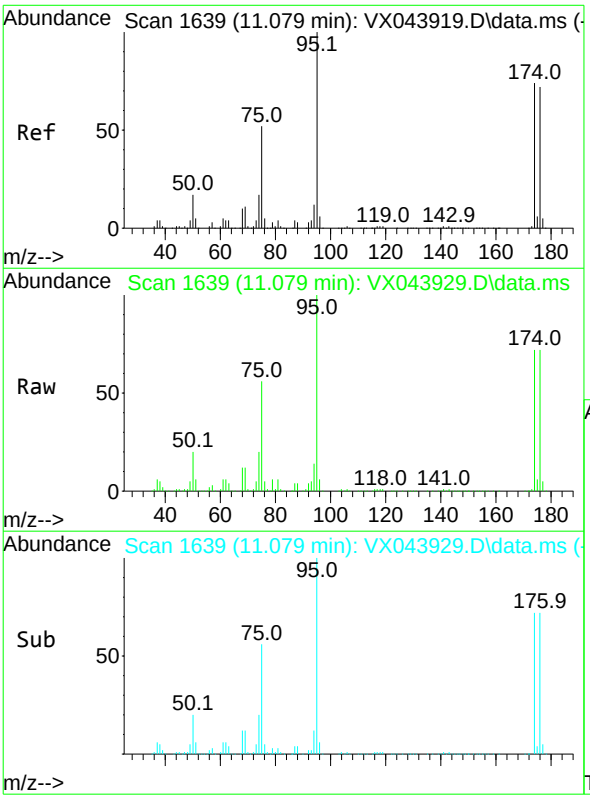
Ion	Ratio	Lower	Upper
107	100		
109	93.9	76.2	114.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

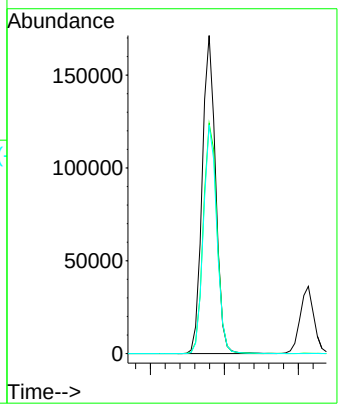
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

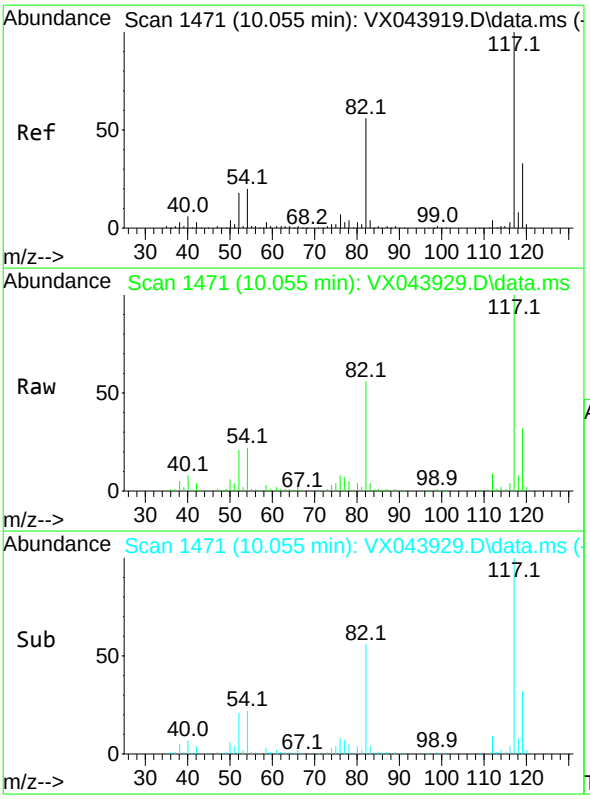


#62
4-Bromofluorobenzene
Concen: 118.228 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 95 Resp: 215953

Ion	Ratio	Lower	Upper
95	100		
174	74.1	0.0	152.2
176	71.8	0.0	145.8

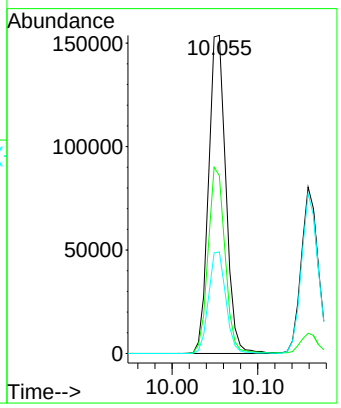




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:117 Resp: 215595

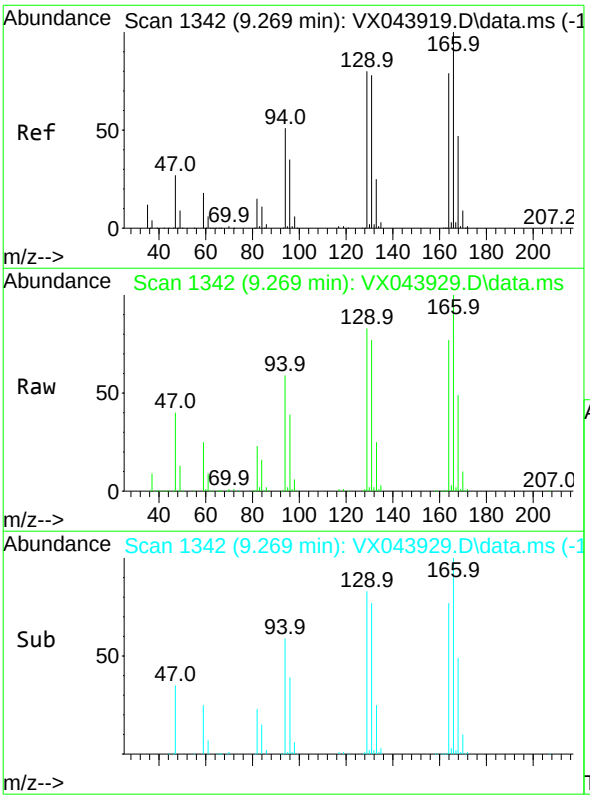
Ion	Ratio	Lower	Upper
117	100		
82	55.9	44.6	67.0
119	31.9	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

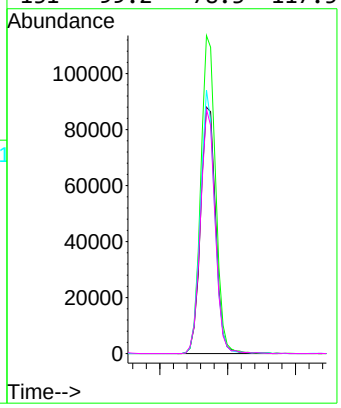
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

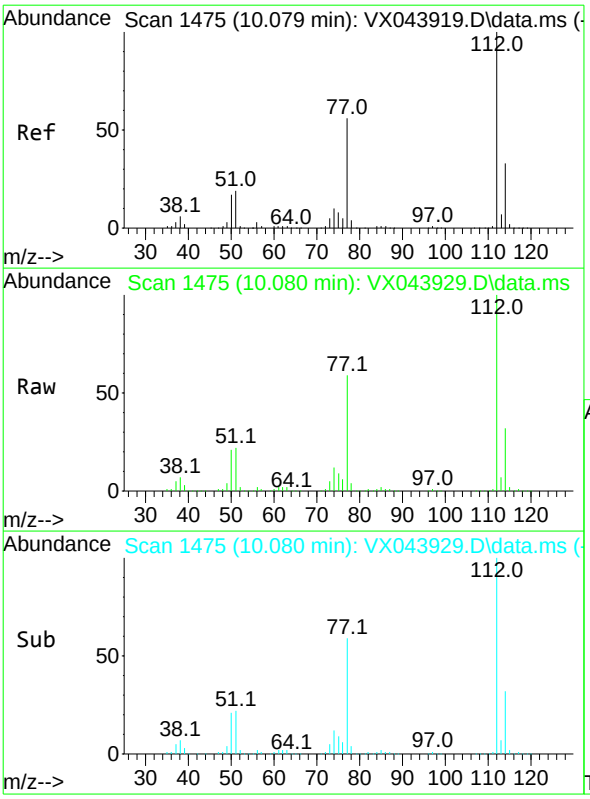


#64
Tetrachloroethene
Concen: 98.157 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:164 Resp: 135740

Ion	Ratio	Lower	Upper
164	100		
166	129.1	100.9	151.3
129	107.0	80.3	120.5
131	99.2	78.3	117.5

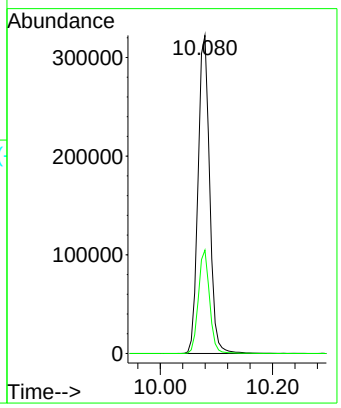




#65
Chlorobenzene
Concen: 102.382 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:112 Resp: 461076

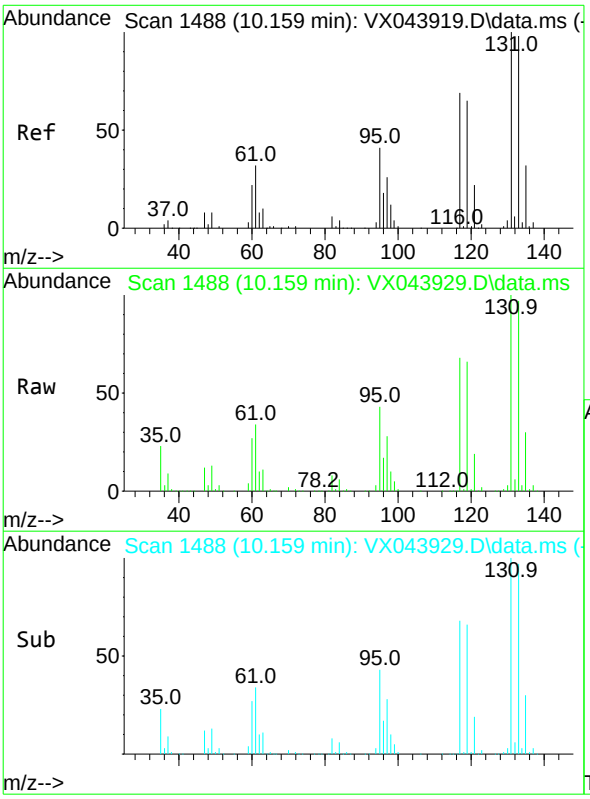
Ion	Ratio	Lower	Upper
112	100		
114	32.5	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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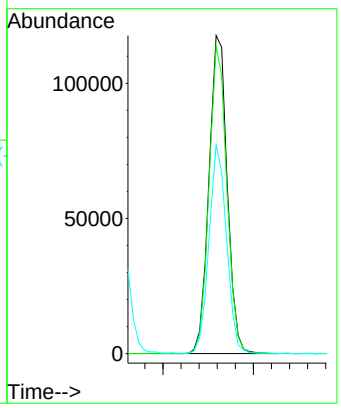
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

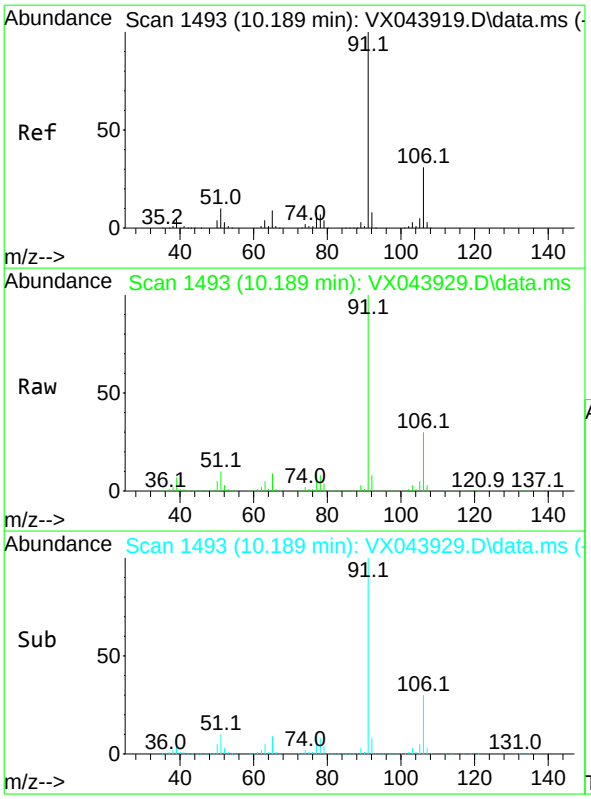


#66
1,1,1,2-Tetrachloroethane
Concen: 109.812 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:131 Resp: 164586

Ion	Ratio	Lower	Upper
131	100		
133	94.2	48.8	146.3
119	63.2	32.9	98.7

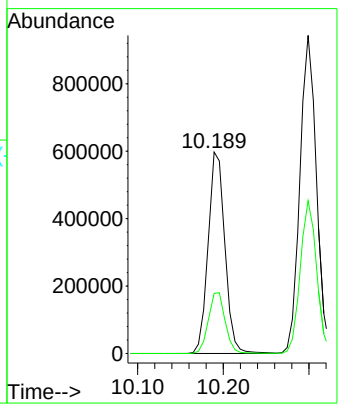




#67
Ethyl Benzene
Concen: 107.178 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 91 Resp: 812289

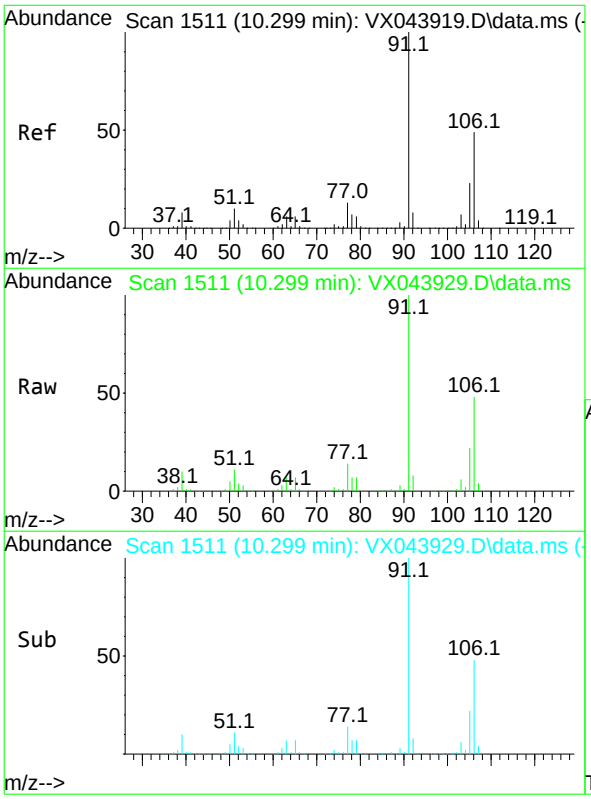
Ion	Ratio	Lower	Upper
91	100		
106	29.8	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

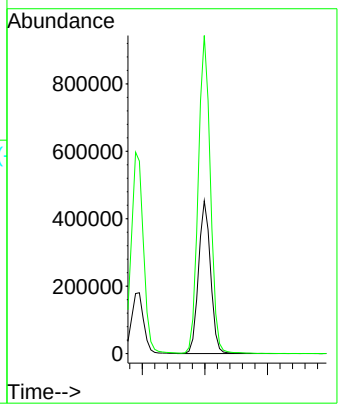
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

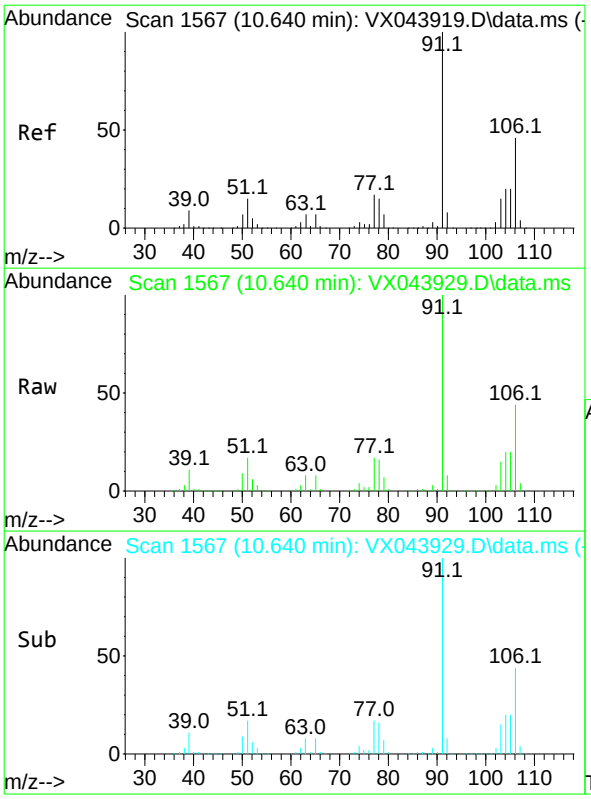


#68
m/p-Xylenes
Concen: 213.769 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:106 Resp: 603451

Ion	Ratio	Lower	Upper
106	100		
91	210.3	163.3	244.9

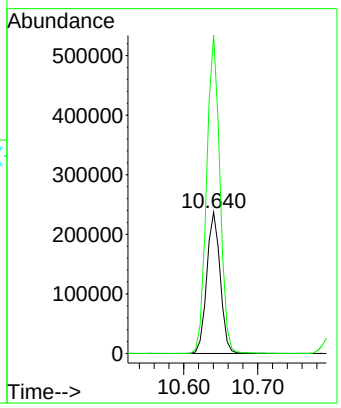




#69
o-Xylene
Concen: 108.462 ug/l
RT: 10.640 min Scan# 15
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:106 Resp: 298739

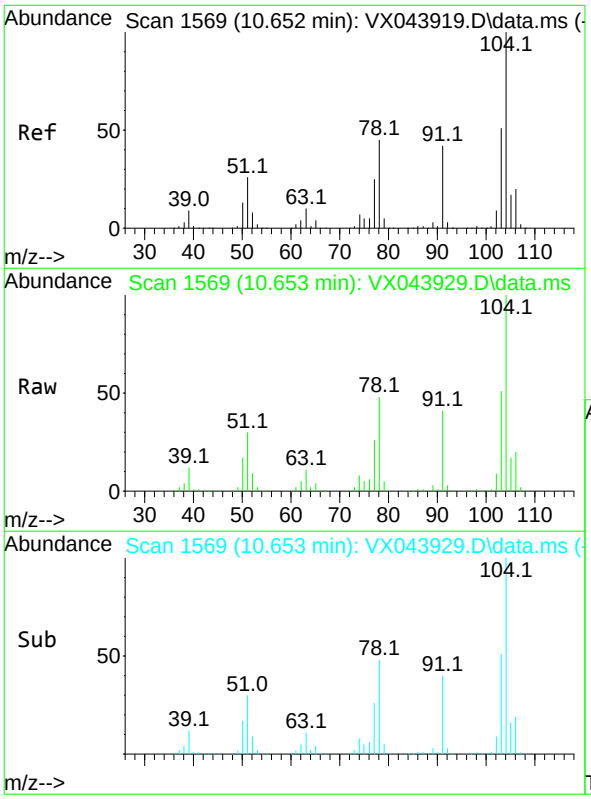
Ion	Ratio	Lower	Upper
106	100		
91	222.3	109.6	328.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

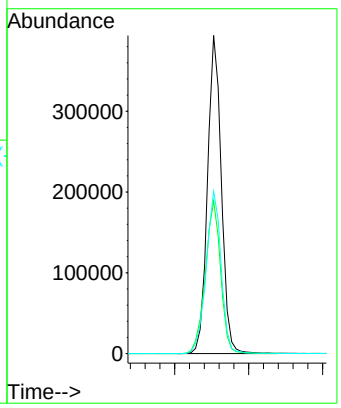
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

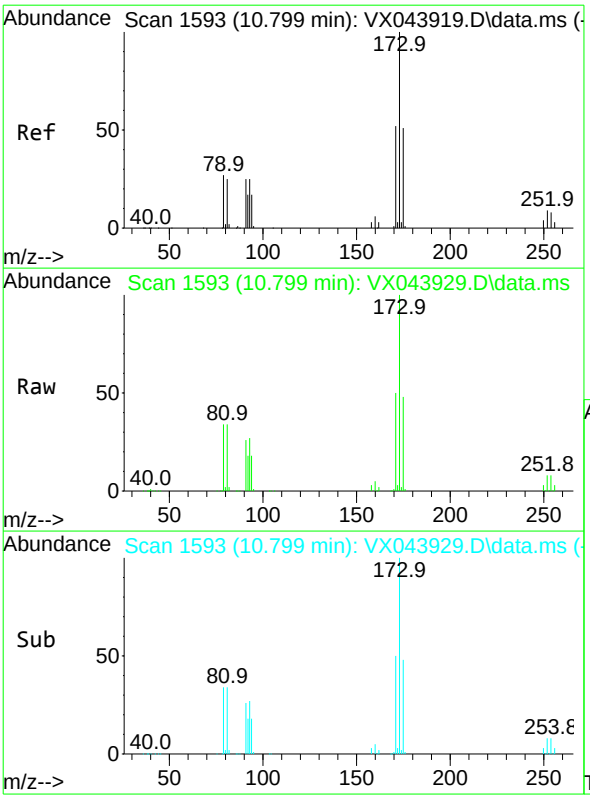


#70
Styrene
Concen: 112.628 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:104 Resp: 511251

Ion	Ratio	Lower	Upper
104	100		
78	53.1	40.3	60.5
103	55.4	43.9	65.9

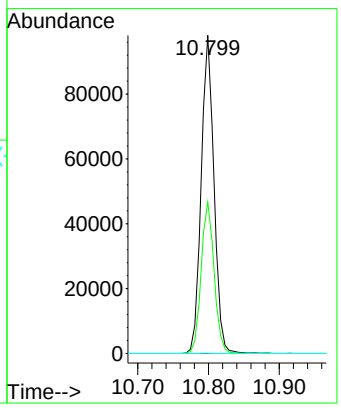




#71
Bromoform
Concen: 125.866 ug/l
RT: 10.799 min Scan# 15
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:173 Resp: 123114

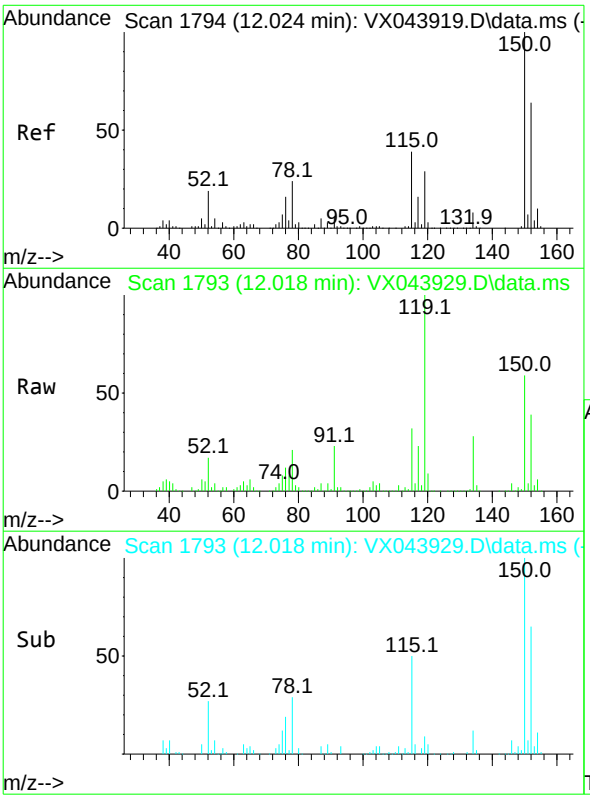
Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.6	73.8
254	0.0	0.1	0.1#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

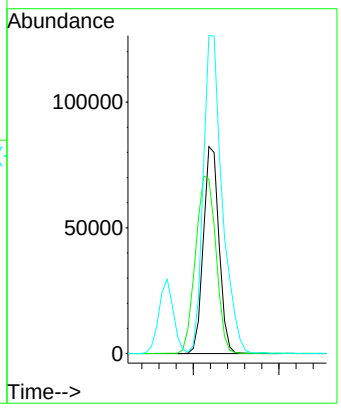
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

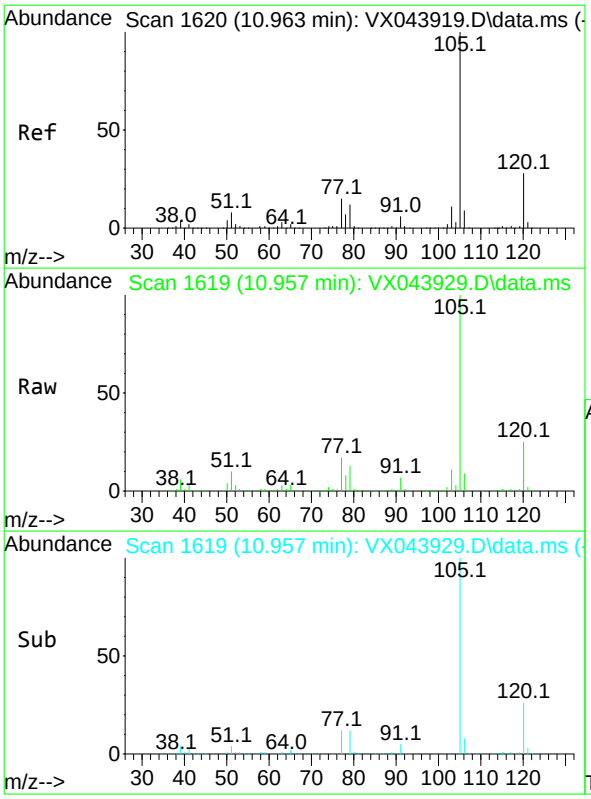


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:152 Resp: 104048

Ion	Ratio	Lower	Upper
152	100		
115	112.2	42.1	126.3
150	186.1	0.0	348.2

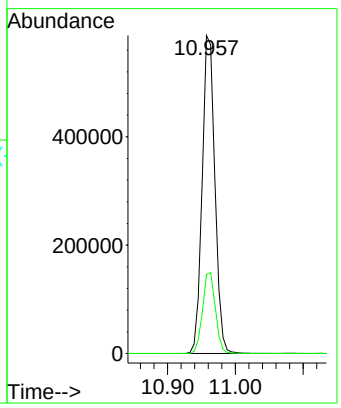




#73
Isopropylbenzene
Concen: 103.086 ug/l
RT: 10.957 min Scan# 16
Delta R.T. -0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:105 Resp: 765623

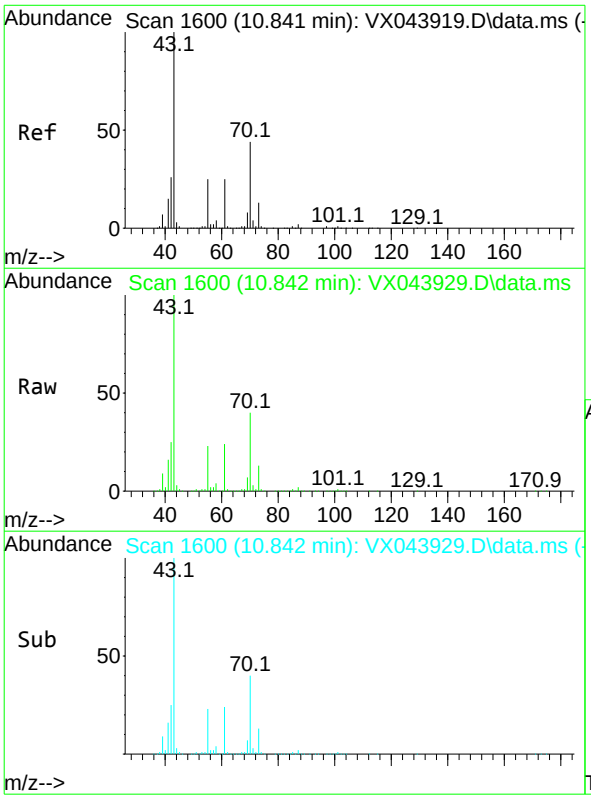
Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.3	39.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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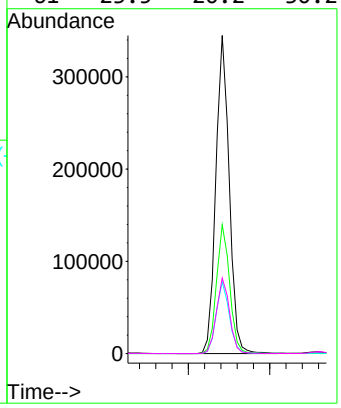
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

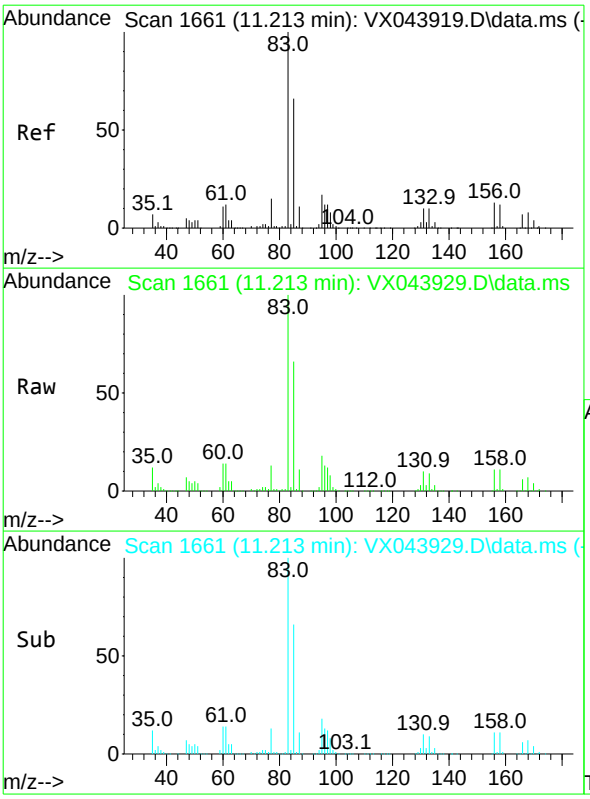


#74
N-amyl acetate
Concen: 119.112 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 43 Resp: 394438

Ion	Ratio	Lower	Upper
43	100		
70	40.2	36.5	54.7
55	22.3	19.6	29.4
61	23.5	20.2	30.2

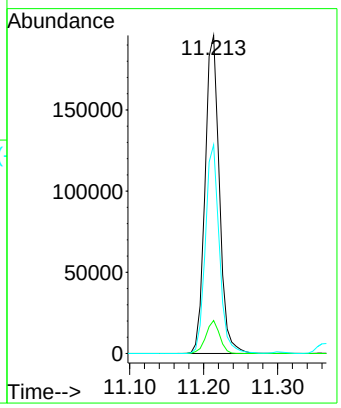




#75
1,1,2,2-Tetrachloroethane
Concen: 104.456 ug/l
RT: 11.213 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 83 Resp: 262302

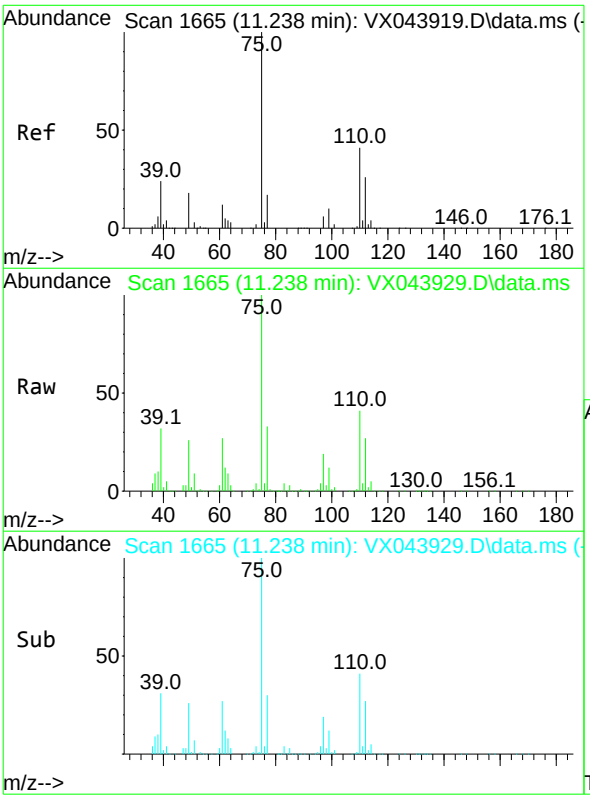
Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.1	15.3
85	64.1	32.3	96.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

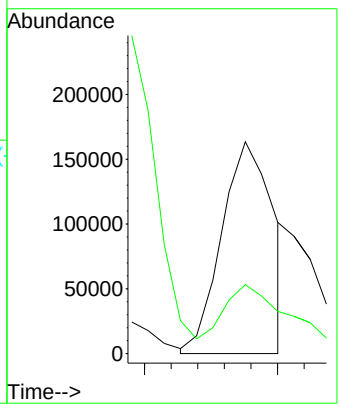
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

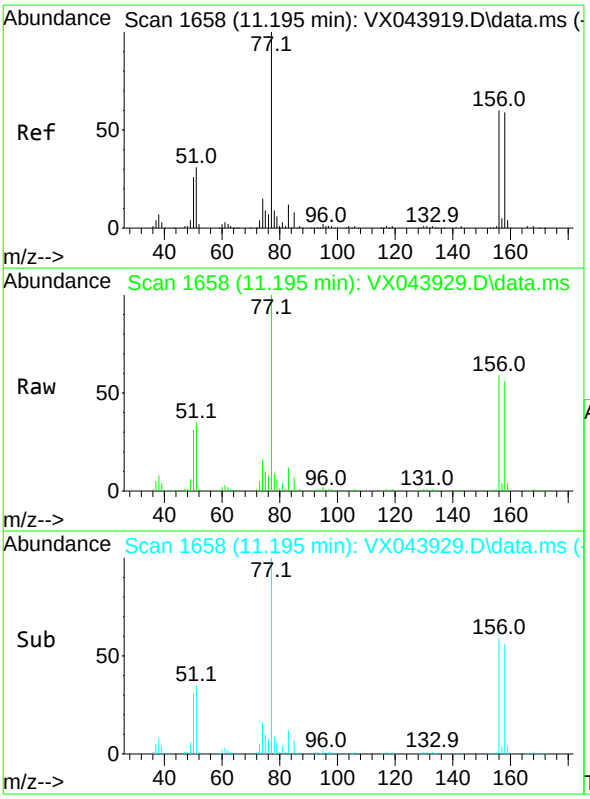


#76
1,2,3-Trichloropropane
Concen: 103.148 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 75 Resp: 219028

Ion	Ratio	Lower	Upper
75	100		
77	43.5	22.4	67.0

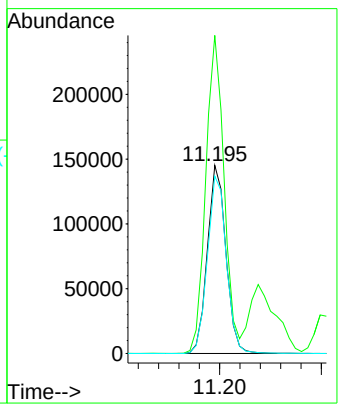




#77
Bromobenzene
Concen: 100.944 ug/l
RT: 11.195 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:156 Resp: 183742

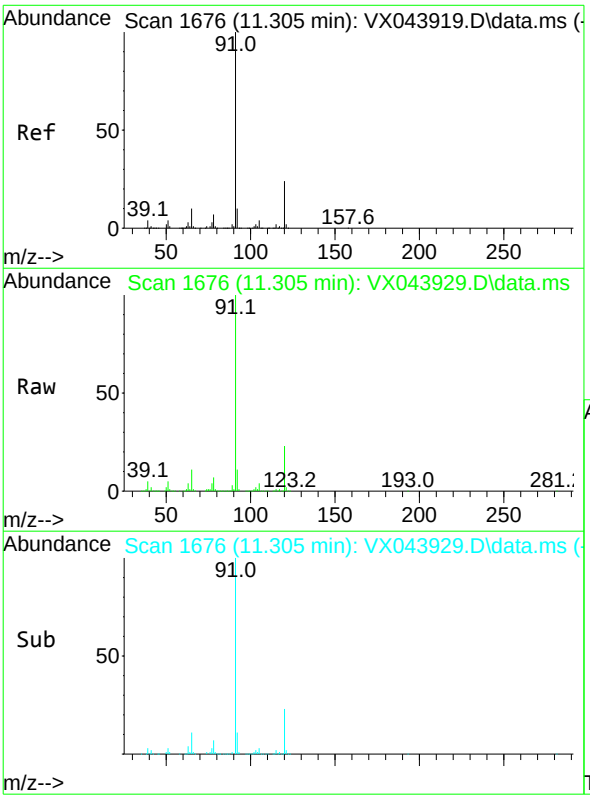
Ion	Ratio	Lower	Upper
156	100		
77	166.9	81.2	243.6
158	96.3	48.6	145.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

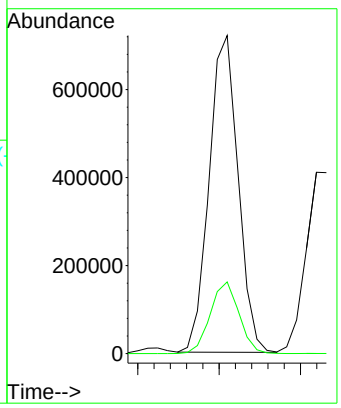
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

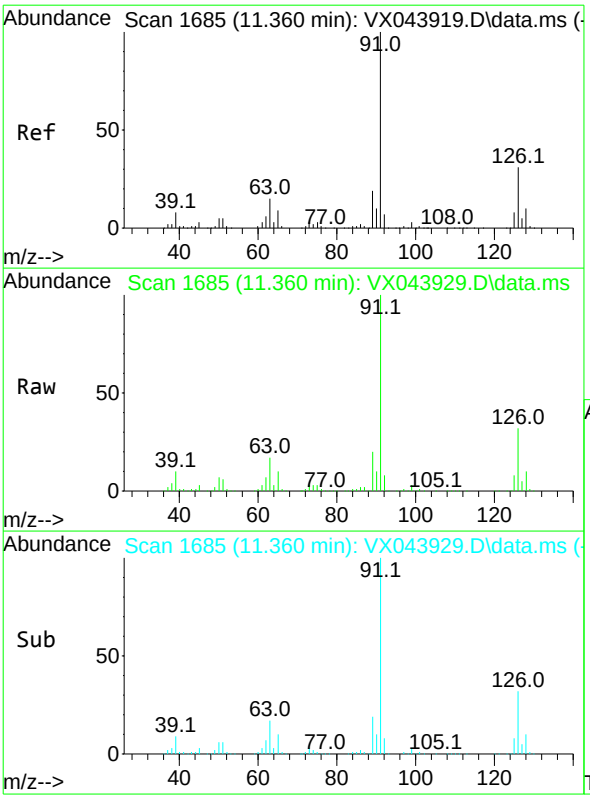


#78
n-propylbenzene
Concen: 108.835 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 91 Resp: 891893

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.5	34.5





#79
2-Chlorotoluene
Concen: 103.022 ug/l
RT: 11.360 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

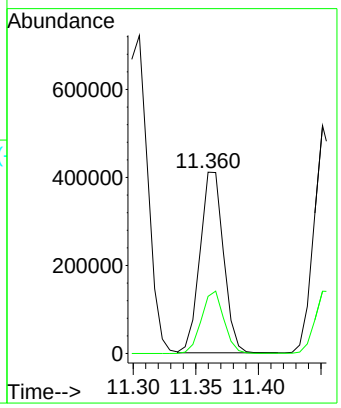
Tgt Ion: 91 Resp: 537190

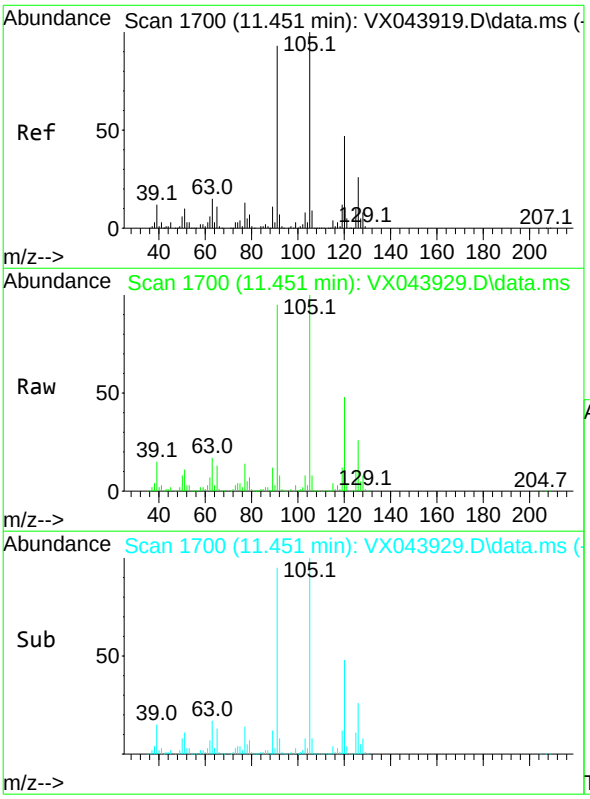
Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.4	49.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

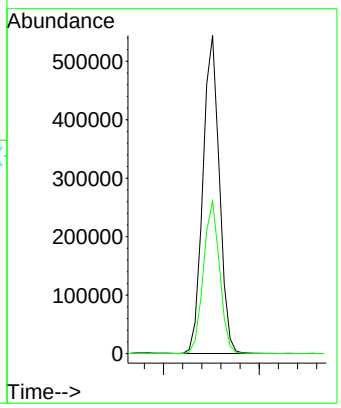


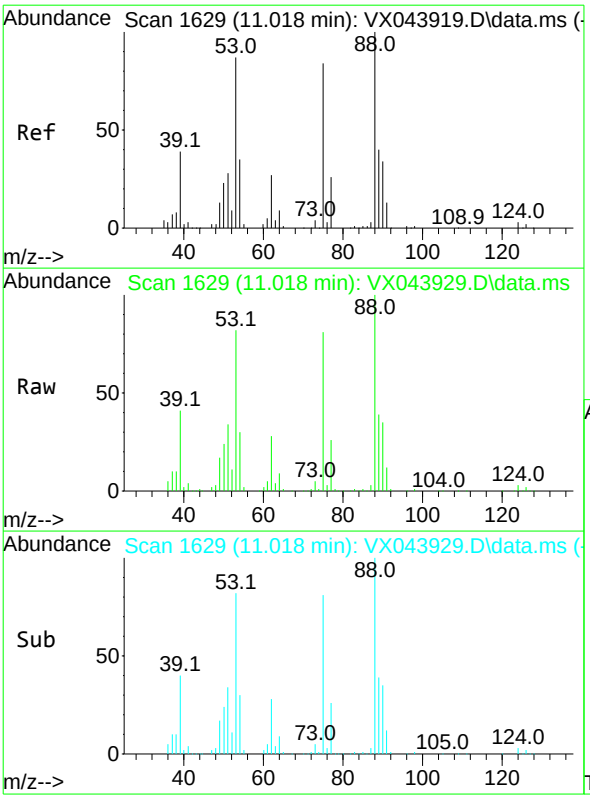


#80
1,3,5-Trimethylbenzene
Concen: 105.408 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:105 Resp: 648916

Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.8	71.5





#81
trans-1,4-Dichloro-2-butene
Concen: 116.733 ug/l
RT: 11.018 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

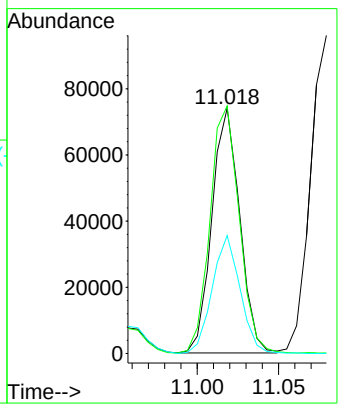
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

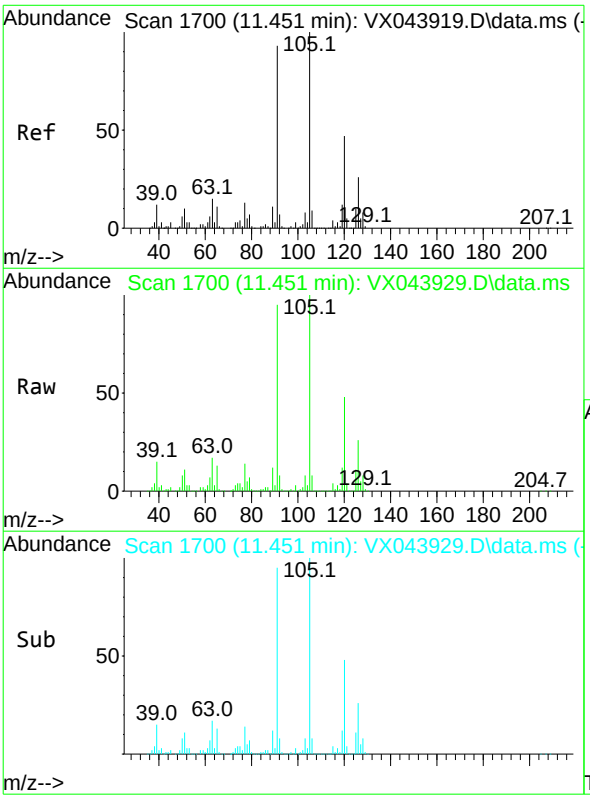
Tgt Ion: 75 Resp: 88041

Ion	Ratio	Lower	Upper
75	100		
53	106.0	81.7	122.5
89	48.3	38.6	57.8

Manual Integrations
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Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

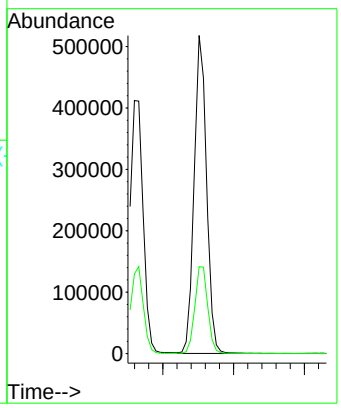


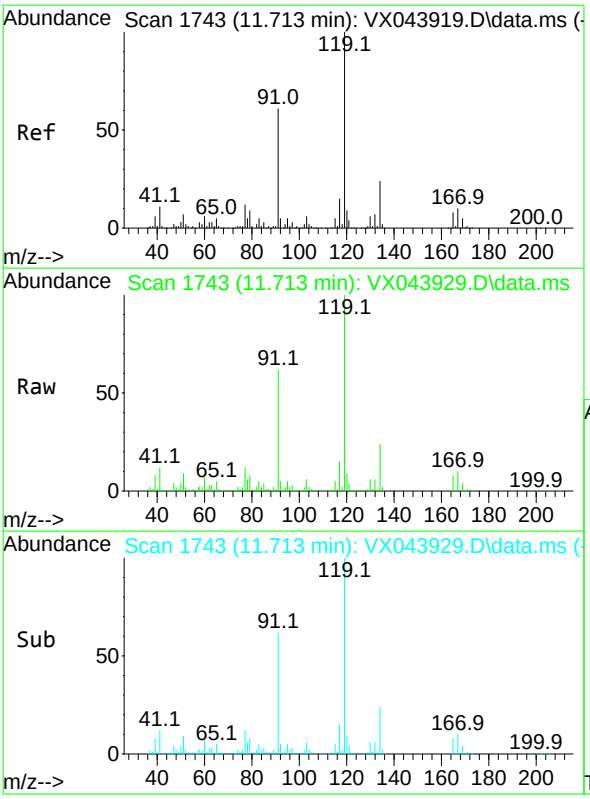


#82
4-Chlorotoluene
Concen: 104.841 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 91 Resp: 629590

Ion	Ratio	Lower	Upper
91	100		
126	28.7	14.4	43.2

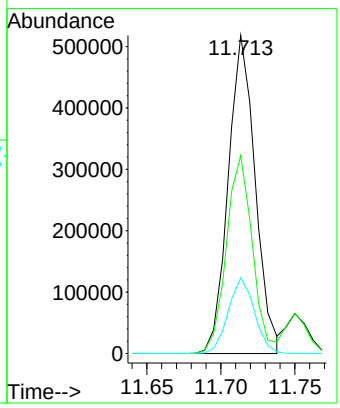




#83
tert-Butylbenzene
Concen: 104.157 ug/l
RT: 11.713 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:119 Resp: 655918

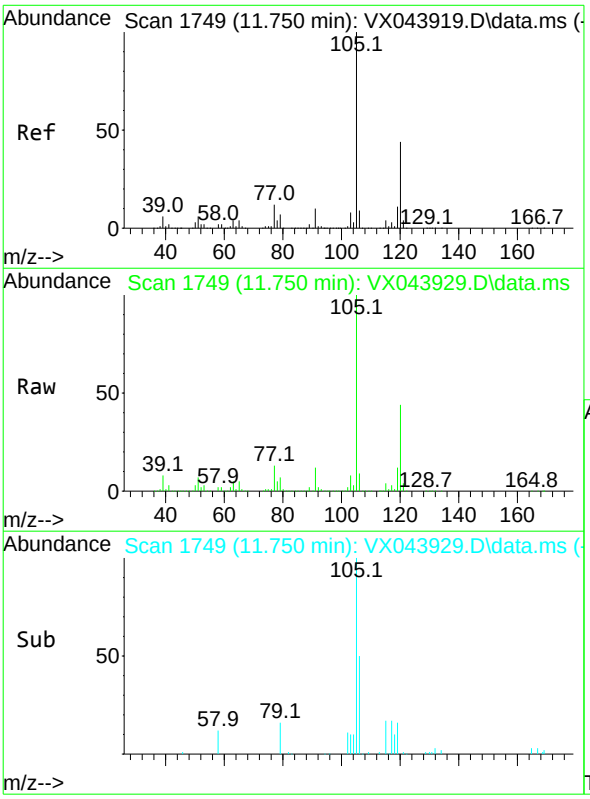
Ion	Ratio	Lower	Upper
119	100		
91	60.2	29.5	88.6
134	23.1	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

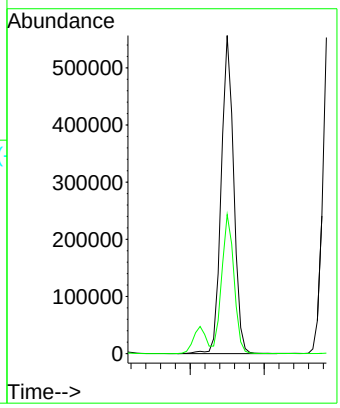
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

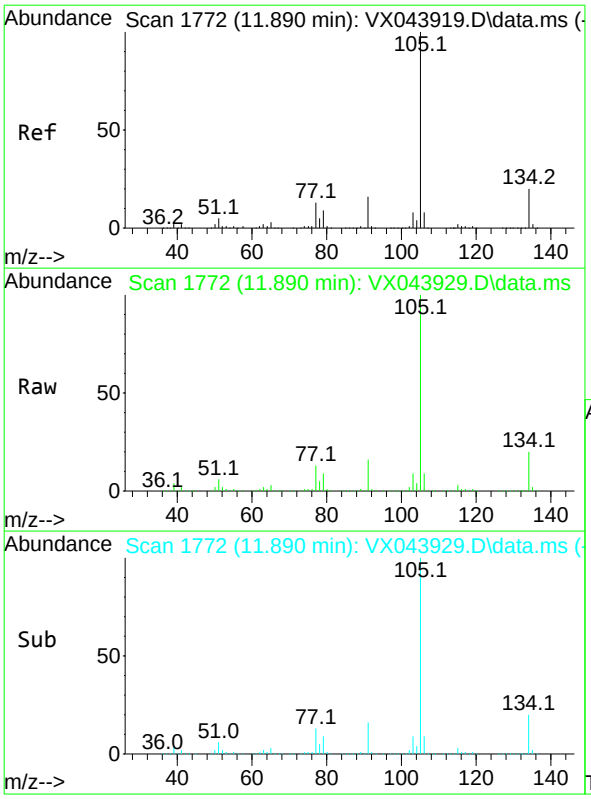


#84
1,2,4-Trimethylbenzene
Concen: 103.992 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:105 Resp: 650156

Ion	Ratio	Lower	Upper
105	100		
120	43.5	21.7	65.1





#85
sec-Butylbenzene
Concen: 105.481 ug/l
RT: 11.890 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

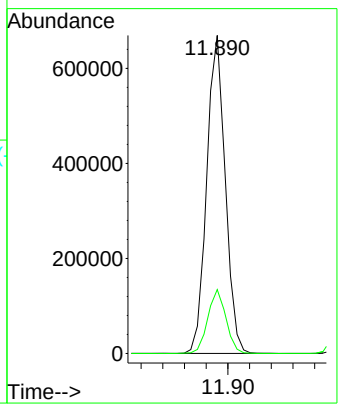
Tgt Ion:105 Resp: 793233

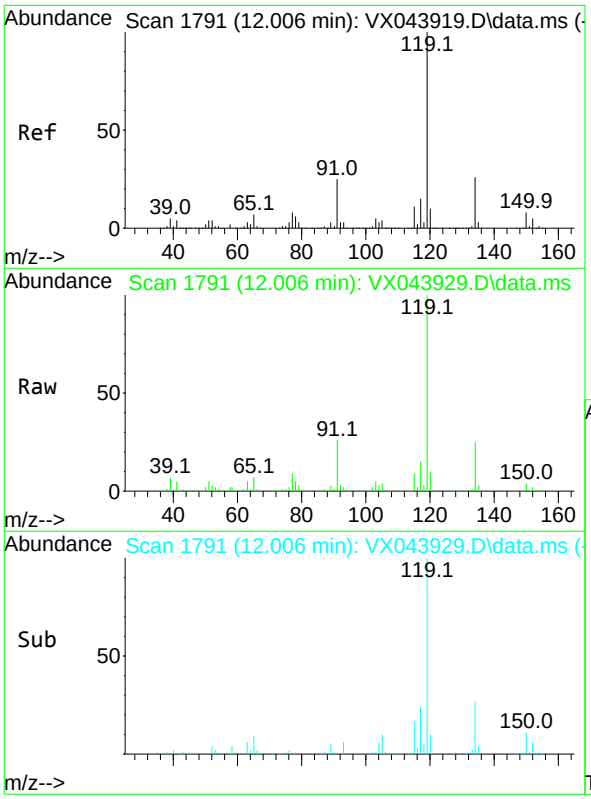
Ion	Ratio	Lower	Upper
105	100		
134	19.7	10.0	29.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

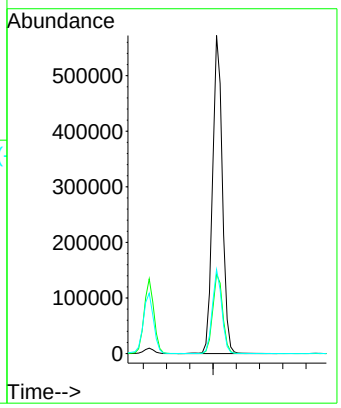


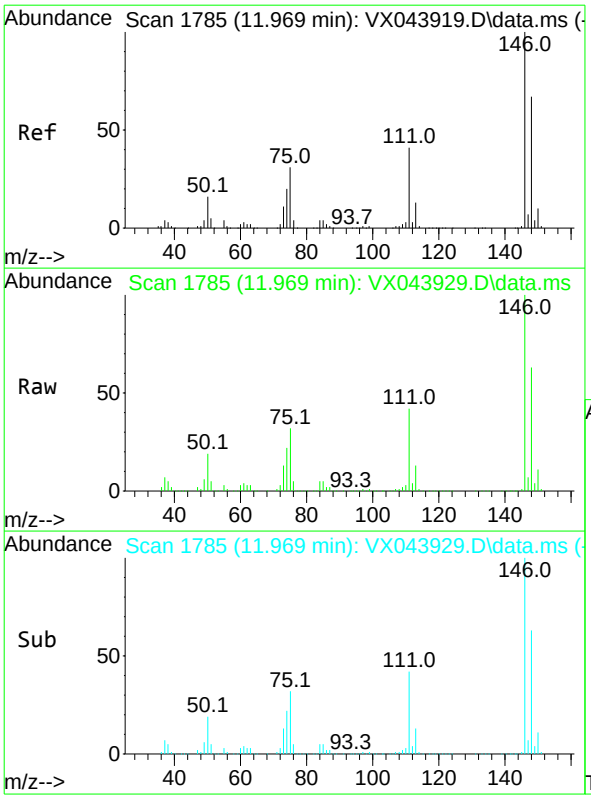


#86
p-Isopropyltoluene
Concen: 106.078 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:119 Resp: 669819

Ion	Ratio	Lower	Upper
119	100		
134	25.4	13.0	38.9
91	25.4	12.3	36.8

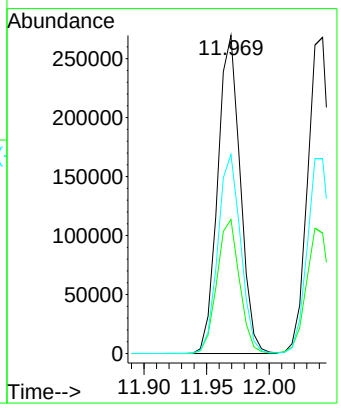




#87
1,3-Dichlorobenzene
Concen: 100.095 ug/l
RT: 11.969 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:146 Resp: 337665

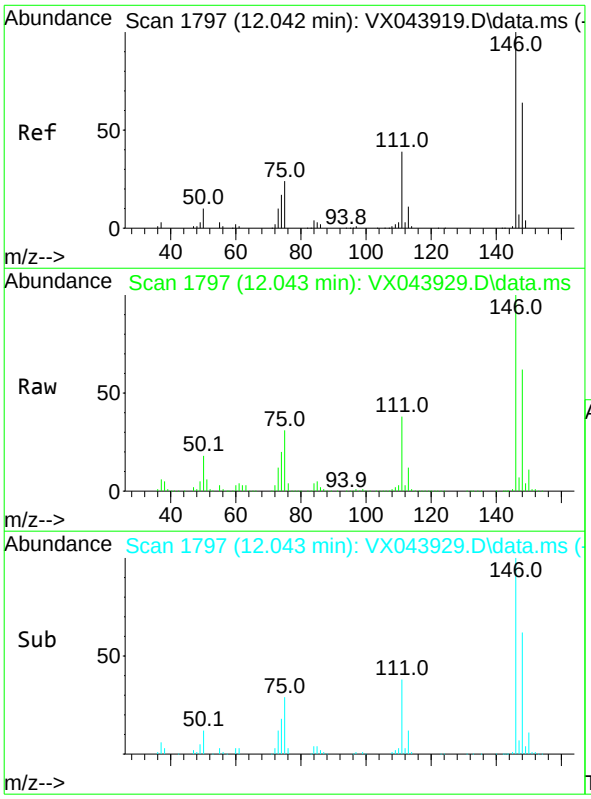
Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.8	62.2
148	63.1	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

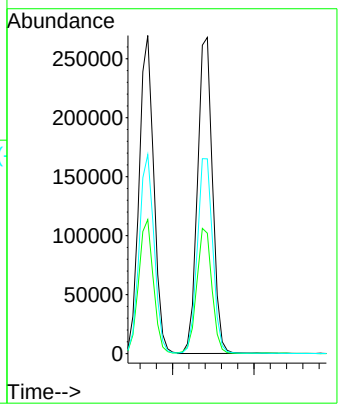
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

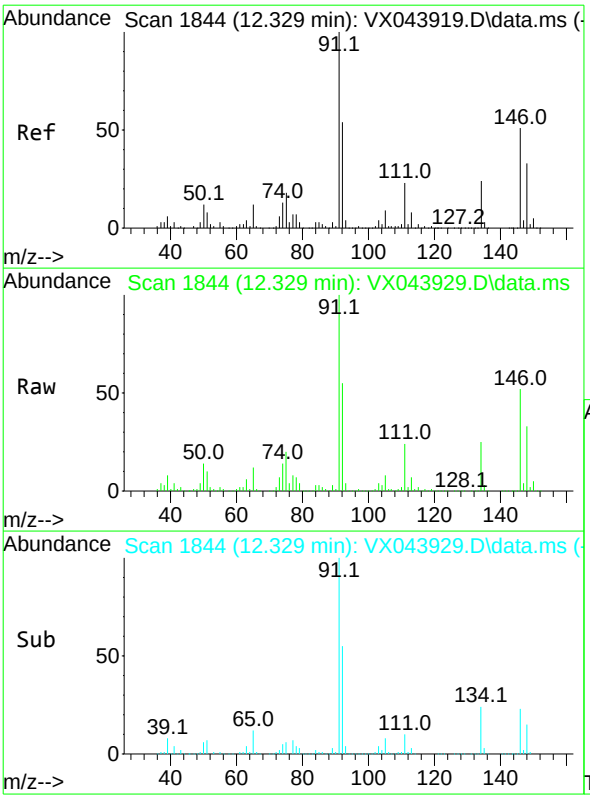


#88
1,4-Dichlorobenzene
Concen: 99.262 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:146 Resp: 343312

Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.1	60.2
148	63.7	32.2	96.6





#89
n-Butylbenzene
Concen: 112.498 ug/l
RT: 12.329 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

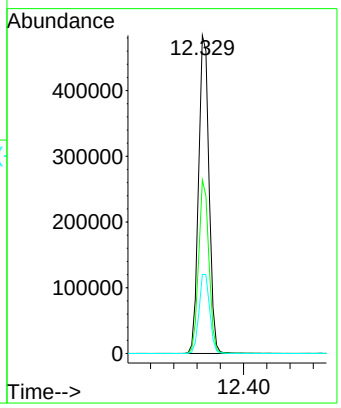
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

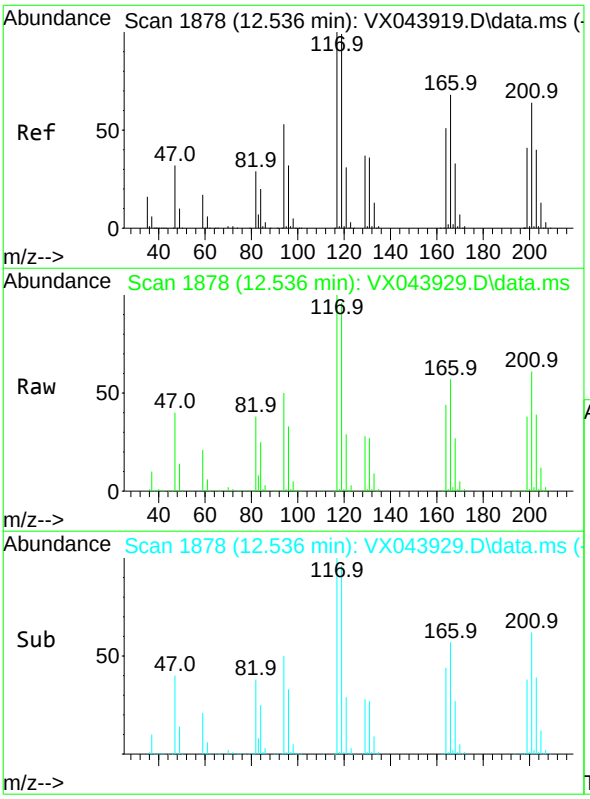
Tgt Ion: 91 Resp: 605284

Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.9	80.6
134	25.4	12.9	38.6

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

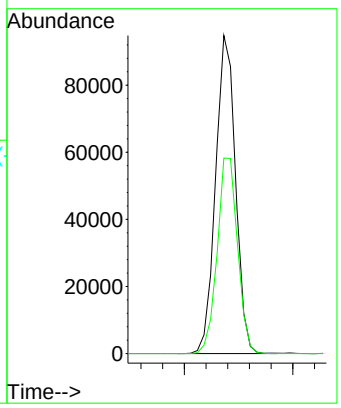


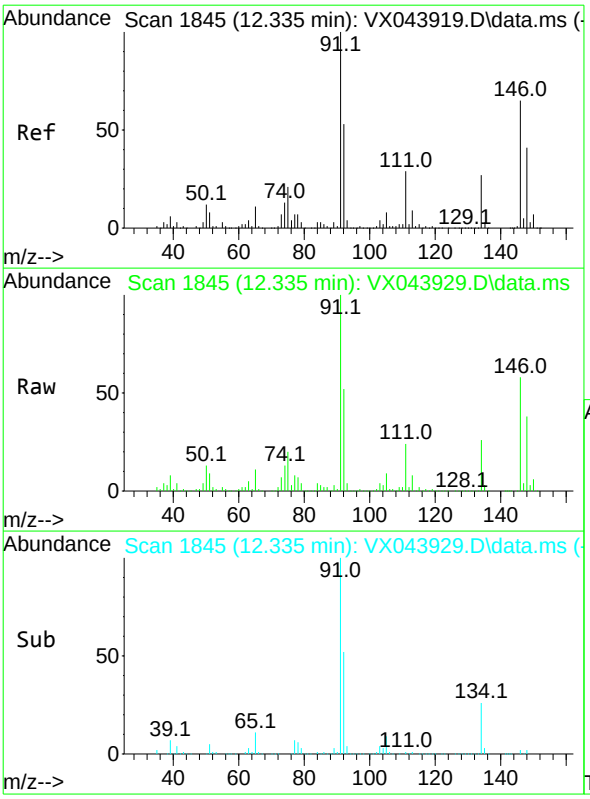


#90
Hexachloroethane
Concen: 113.763 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:117 Resp: 120913

Ion	Ratio	Lower	Upper
117	100		
201	62.9	34.1	102.3





#91
1,2-Dichlorobenzene
Concen: 96.765 ug/l
RT: 12.335 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

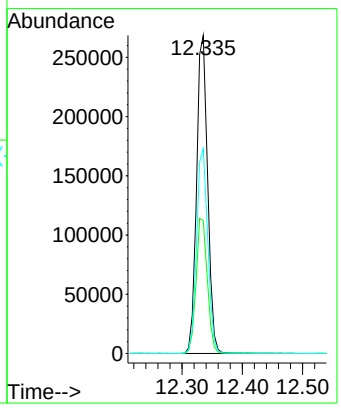
Tgt Ion:146 Resp: 341767

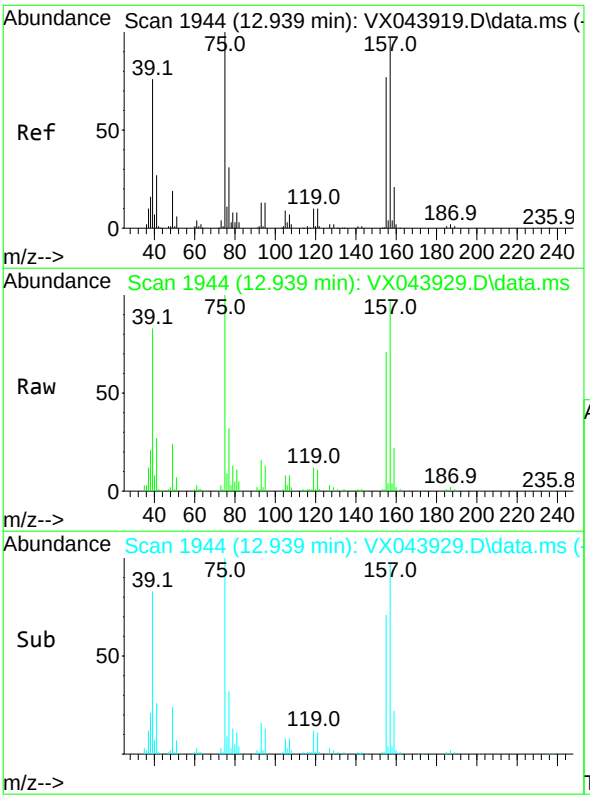
Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.7	65.1
148	65.0	31.6	94.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

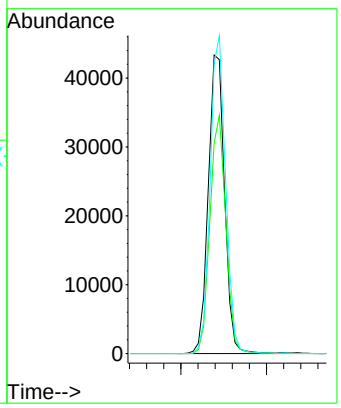


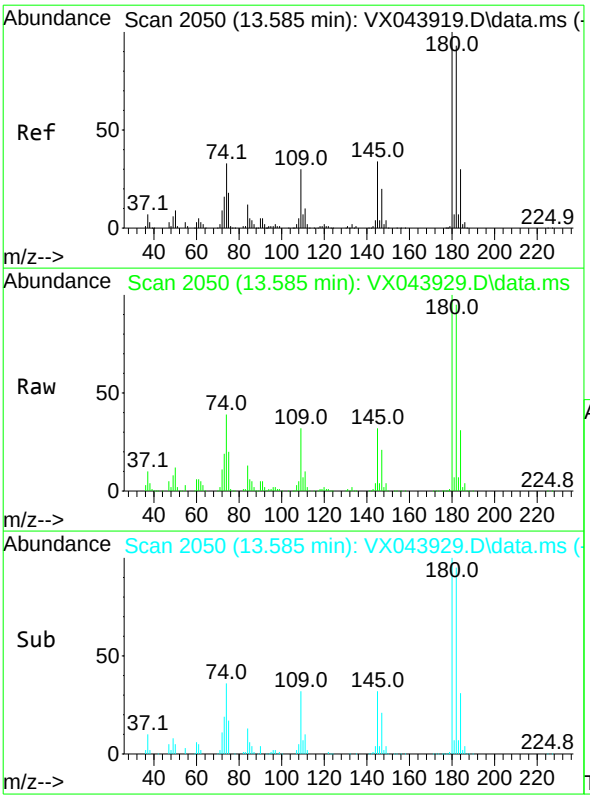


#92
1,2-Dibromo-3-Chloropropane
Concen: 110.517 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 75 Resp: 57287

Ion	Ratio	Lower	Upper
75	100		
155	77.8	40.8	122.5
157	100.9	54.3	162.9

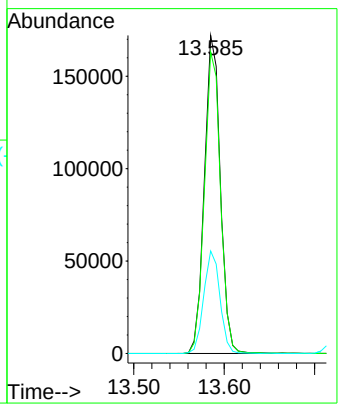




#93
1,2,4-Trichlorobenzene
Concen: 102.015 ug/l
RT: 13.585 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:180 Resp: 210571

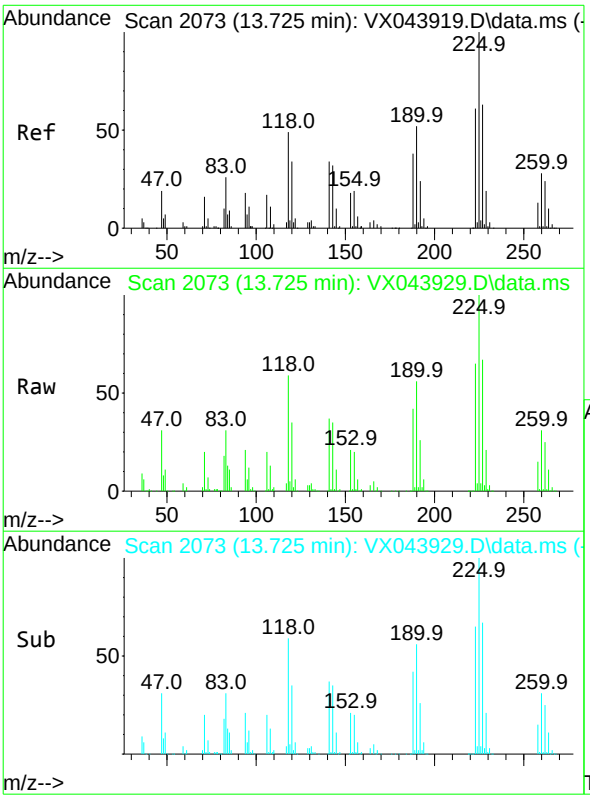
Ion	Ratio	Lower	Upper
180	100		
182	95.6	46.8	140.4
145	32.8	16.4	49.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

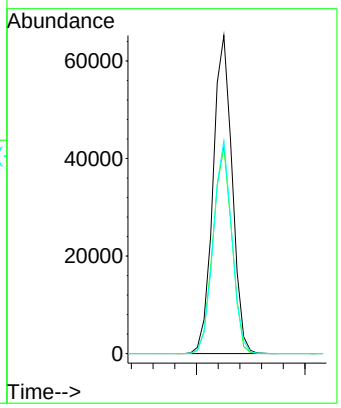
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

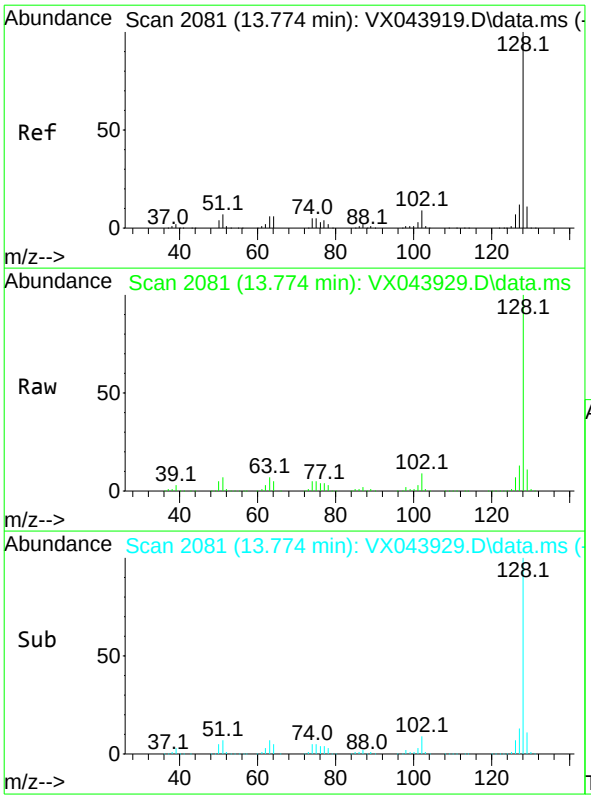


#94
Hexachlorobutadiene
Concen: 94.363 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:225 Resp: 79822

Ion	Ratio	Lower	Upper
225	100		
223	64.1	31.1	93.3
227	65.0	29.8	89.5

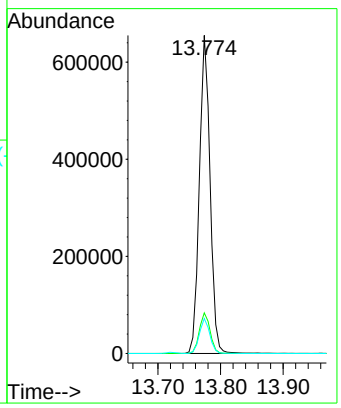




#95
Naphthalene
Concen: 100.923 ug/l
RT: 13.774 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:128 Resp: 776740

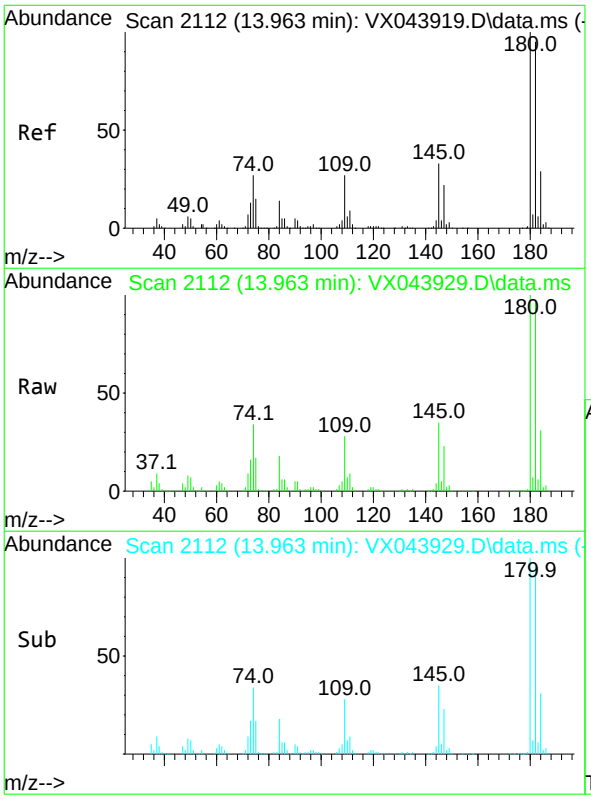
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.1	15.1
129	10.8	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

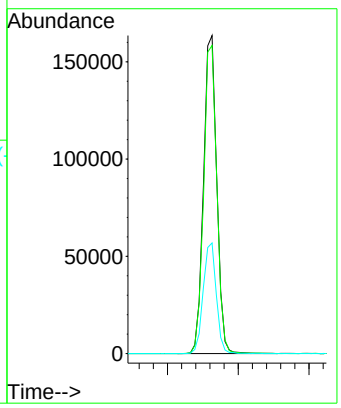
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#96
1,2,3-Trichlorobenzene
Concen: 98.491 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:180 Resp: 211814

Ion	Ratio	Lower	Upper
180	100		
182	96.8	47.6	142.8
145	34.6	17.4	52.2



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043930.D
Acq On : 21 Nov 2024 12:03
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 21 12:32:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 12:18:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	132286	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	237642	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	203280	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96376	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	349080	171.797	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 343.600%#			
35) Dibromofluoromethane	5.385	113	268135	168.036	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 336.080%#			
50) Toluene-d8	8.647	98	896413	168.154	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 336.300%#			
62) 4-Bromofluorobenzene	11.079	95	324612	184.279	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 368.560%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	241389	180.335	ug/l	97
3) Chloromethane	1.294	50	268770	160.659	ug/l	100
4) Vinyl Chloride	1.374	62	271568	161.568	ug/l	99
5) Bromomethane	1.593	94	175581	229.967	ug/l	98
6) Chloroethane	1.660	64	140375	174.839	ug/l	98
7) Trichlorofluoromethane	1.861	101	527057	219.944	ug/l	100
8) Diethyl Ether	2.136	74	185146	204.934	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.312	101	237653	167.580	ug/l	97
10) Methyl Iodide	2.440	142	299792	150.207	ug/l	96
11) Tert butyl alcohol	3.014	59	306168	947.555	ug/l	99
12) 1,1-Dichloroethene	2.306	96	228504	166.017	ug/l	91
13) Acrolein	2.239	56	294638	813.086	ug/l	100
14) Allyl chloride	2.654	41	394228	176.662	ug/l	91
15) Acrylonitrile	3.068	53	684169	822.558	ug/l	98
16) Acetone	2.392	43	734161	899.588	ug/l	92
17) Carbon Disulfide	2.501	76	554853	184.625	ug/l	100
18) Methyl Acetate	2.703	43	361338	161.681	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	869848	170.980	ug/l	98
20) Methylene Chloride	2.782	84	260099	152.260	ug/l	94
21) trans-1,2-Dichloroethene	3.081	96	245485	163.596	ug/l	95
22) Diisopropyl ether	3.763	45	835960	171.467	ug/l	96
23) Vinyl Acetate	3.721	43	3797951	961.094	ug/l	97
24) 1,1-Dichloroethane	3.599	63	479590	167.262	ug/l	99
25) 2-Butanone	4.568	43	1012692	887.025	ug/l	97
26) 2,2-Dichloropropane	4.465	77	440061	186.761	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	304342	162.978	ug/l	94
28) Bromochloromethane	4.891	49	207753	172.194	ug/l	91
29) Tetrahydrofuran	5.007	42	617277	836.734	ug/l	98
30) Chloroform	5.092	83	513285	171.734	ug/l	98
31) Cyclohexane	5.458	56	367157	157.989	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	455922	178.438	ug/l	98
36) 1,1-Dichloropropene	5.684	75	331239	166.559	ug/l	98
37) Ethyl Acetate	4.721	43	393670	175.887	ug/l	97
38) Carbon Tetrachloride	5.672	117	376287	178.719	ug/l	98
39) Methylcyclohexane	7.372	83	410333	164.816	ug/l	96
40) Benzene	6.031	78	999210	159.808	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043930.D
Acq On : 21 Nov 2024 12:03
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 21 12:32:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 12:18:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.922	41	206026	176.637 ug/l		95
42) 1,2-Dichloroethane	6.080	62	397508	175.089 ug/l		98
43) Isopropyl Acetate	6.342	43	661839	187.445 ug/l		94
44) Trichloroethene	7.123	130	251071	145.657 ug/l		97
45) 1,2-Dichloropropane	7.427	63	249394	162.744 ug/l		100
46) Dibromomethane	7.580	93	202329	175.212 ug/l		95
47) Bromodichloromethane	7.818	83	388259	191.362 ug/l		97
48) Methyl methacrylate	7.690	41	315872	180.493 ug/l		88
49) 1,4-Dioxane	7.665	88	106634	2860.706 ug/l	#	76
51) 4-Methyl-2-Pentanone	8.580	43	1954925	887.971 ug/l		96
52) Toluene	8.714	92	607179	168.323 ug/l		97
53) t-1,3-Dichloropropene	8.976	75	406346	197.387 ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	428549	183.704 ug/l		93
55) 1,1,2-Trichloroethane	9.153	97	245706	174.579 ug/l		99
56) Ethyl methacrylate	9.116	69	420409	188.658 ug/l	#	88
57) 1,3-Dichloropropane	9.305	76	416811	176.770 ug/l		100
58) 2-Chloroethyl Vinyl ether	8.244	63	1023576	875.887 ug/l		98
59) 2-Hexanone	9.433	43	1493755	961.650 ug/l		94
60) Dibromochloromethane	9.518	129	286188	208.679 ug/l		100
61) 1,2-Dibromoethane	9.610	107	261369	178.035 ug/l		100
64) Tetrachloroethene	9.268	164	202262	155.122 ug/l		98
65) Chlorobenzene	10.079	112	675513	159.085 ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	241604	170.964 ug/l		97
67) Ethyl Benzene	10.195	91	1181693	165.365 ug/l		100
68) m/p-Xylenes	10.299	106	884067	332.148 ug/l		97
69) o-Xylene	10.640	106	436919	168.240 ug/l		98
70) Styrene	10.652	104	742061	173.379 ug/l		97
71) Bromoform	10.799	173	186691	161.632 ug/l	#	100
73) Isopropylbenzene	10.963	105	1135309	165.031 ug/l		99
74) N-amyl acetate	10.841	43	586560	159.995 ug/l		94
75) 1,1,2,2-Tetrachloroethane	11.213	83	379947	163.351 ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	313344m	159.312 ug/l		
77) Bromobenzene	11.195	156	270671	160.539 ug/l		98
78) n-propylbenzene	11.305	91	1296979	170.866 ug/l		99
79) 2-Chlorotoluene	11.366	91	788163	163.185 ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	936129	164.167 ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	136104	161.734 ug/l		99
82) 4-Chlorotoluene	11.451	91	919566	165.319 ug/l		100
83) tert-Butylbenzene	11.713	119	945058	162.017 ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	933275	161.161 ug/l		100
85) sec-Butylbenzene	11.890	105	1148877	164.934 ug/l		100
86) p-Isopropyltoluene	12.006	119	972007	166.189 ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	490336	156.923 ug/l		99
88) 1,4-Dichlorobenzene	12.042	146	494318	154.301 ug/l		99
89) n-Butylbenzene	12.329	91	903805	181.353 ug/l		99
90) Hexachloroethane	12.536	117	180575	151.823 ug/l		96
91) 1,2-Dichlorobenzene	12.335	146	503214	153.818 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	87963	146.019 ug/l		93
93) 1,2,4-Trichlorobenzene	13.585	180	325289	170.137 ug/l		99
94) Hexachlorobutadiene	13.725	225	121126	154.589 ug/l		97
95) Naphthalene	13.774	128	1173154	164.565 ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	326693	164.001 ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043930.D
Acq On : 21 Nov 2024 12:03
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 21 12:32:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 12:18:48 2024
Response via : Initial Calibration

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

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

ICAL Form

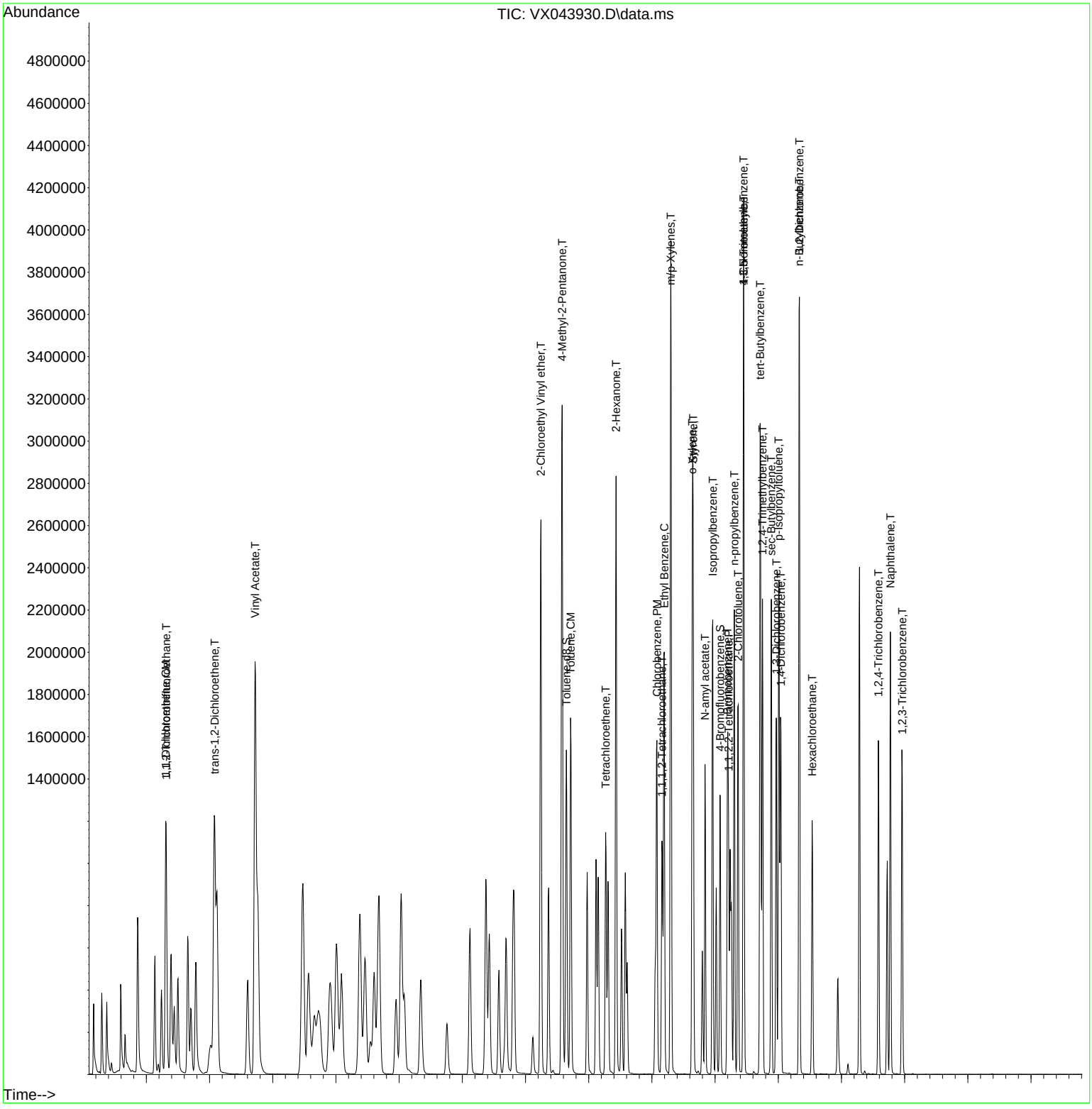
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043930.D
Acq On : 21 Nov 2024 12:03
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

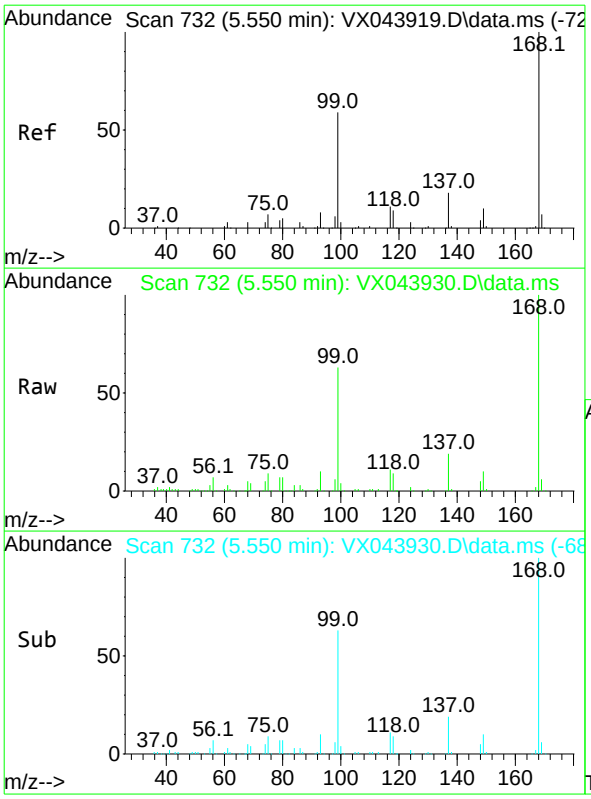
Quant Time: Nov 21 12:32:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 12:18:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

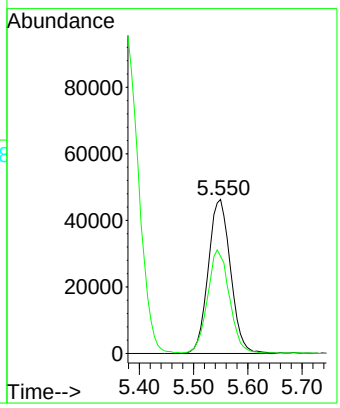




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:168 Resp: 132286

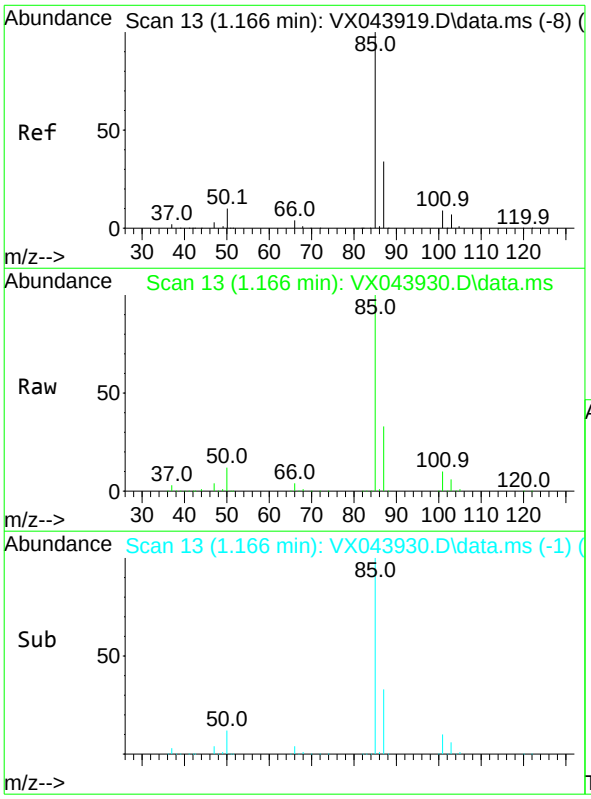
Ion	Ratio	Lower	Upper
168	100		
99	62.9	46.9	70.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

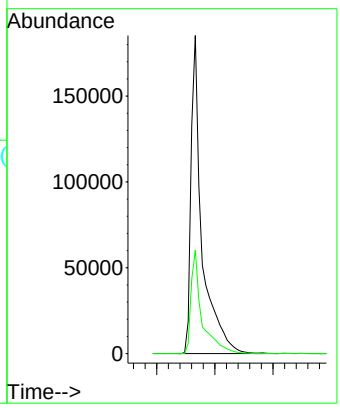
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

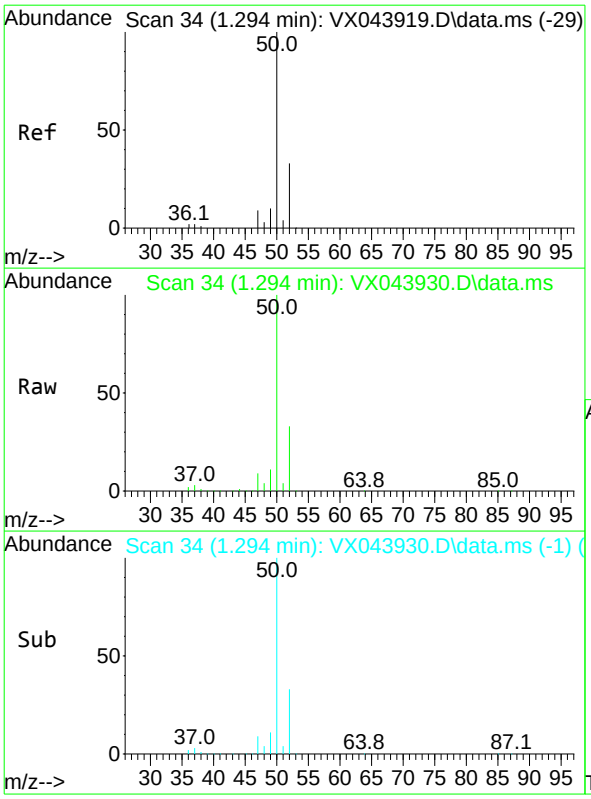


#2
Dichlorodifluoromethane
Concen: 180.335 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 85 Resp: 241389

Ion	Ratio	Lower	Upper
85	100		
87	32.5	17.1	51.2

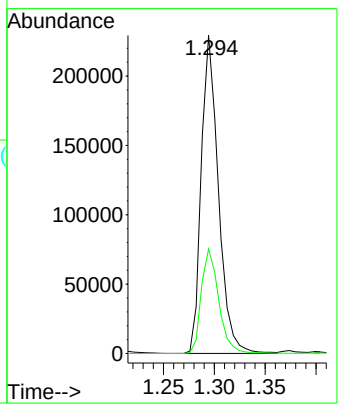




#3
Chloromethane
Concen: 160.659 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 50 Resp: 268770

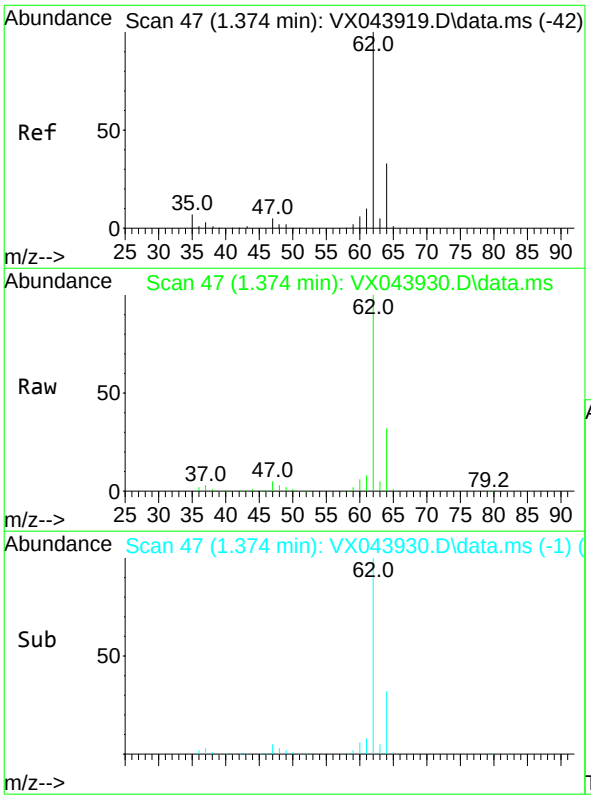
Ion	Ratio	Lower	Upper
50	100		
52	32.9	26.2	39.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

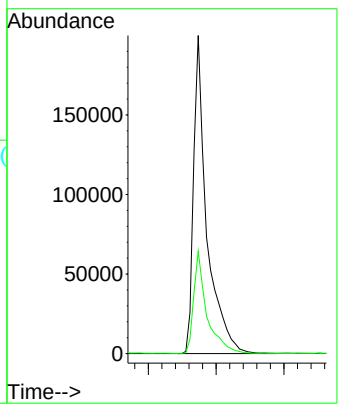
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

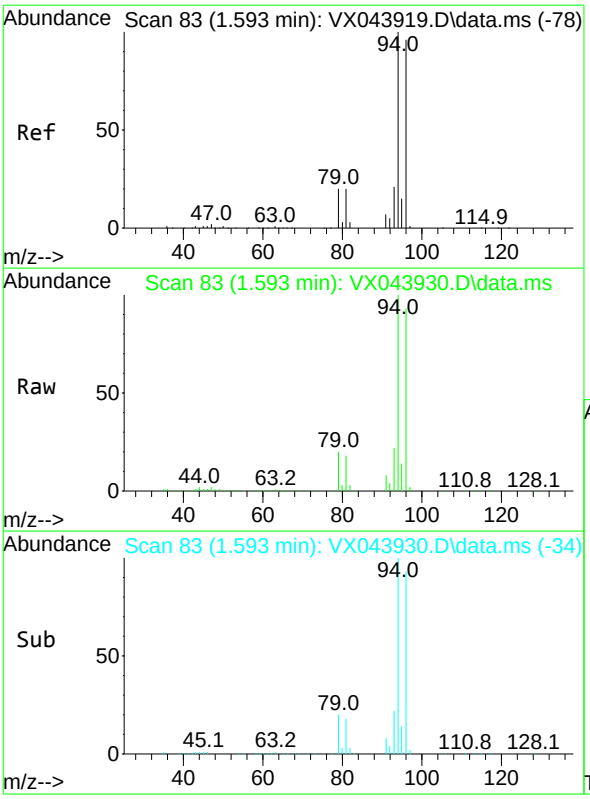


#4
Vinyl Chloride
Concen: 161.568 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 62 Resp: 271568

Ion	Ratio	Lower	Upper
62	100		
64	32.1	26.1	39.1

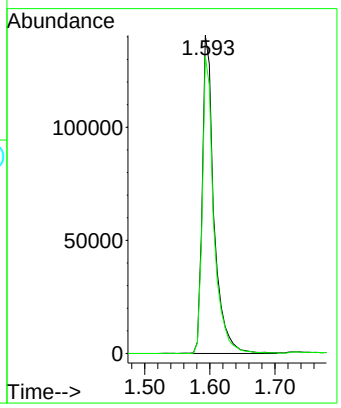




#5
Bromomethane
Concen: 229.967 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 94 Resp: 175581

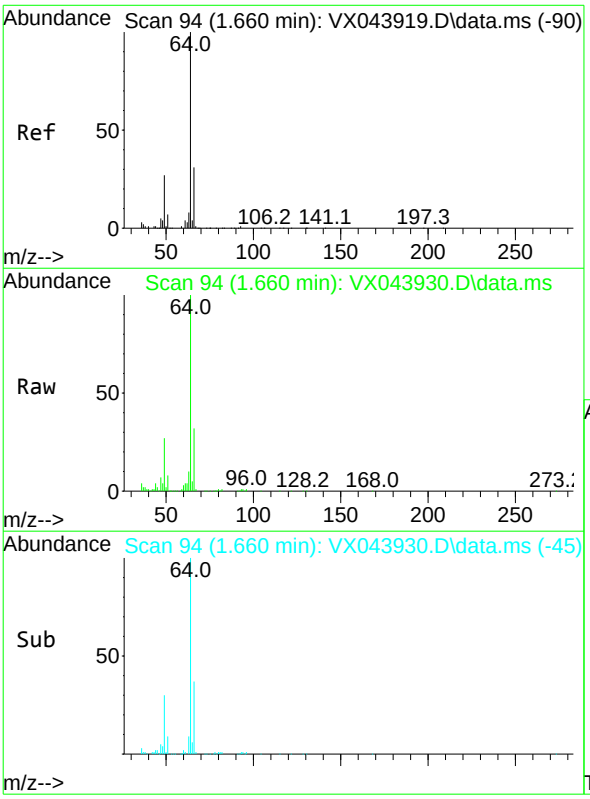
Ion	Ratio	Lower	Upper
94	100		
96	93.5	76.5	114.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

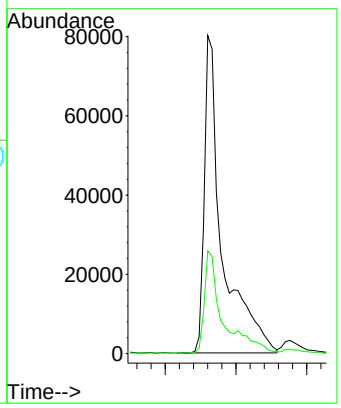
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

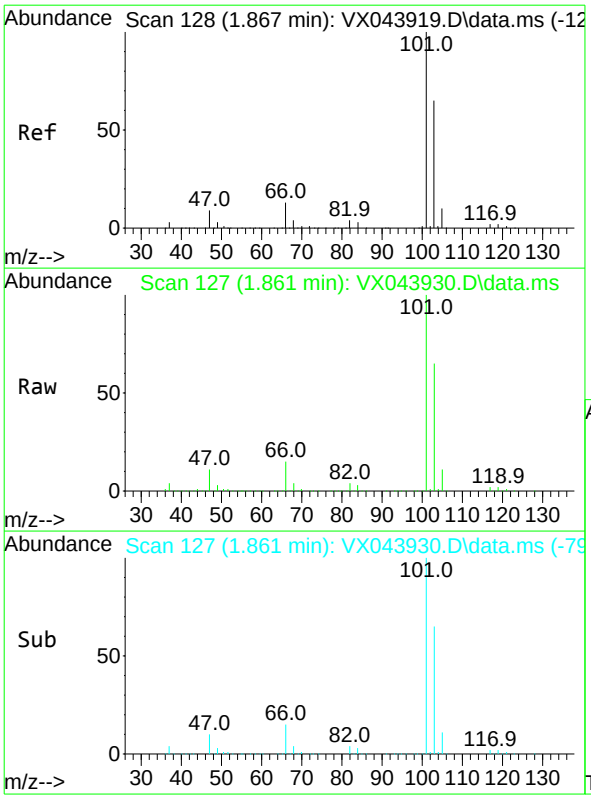


#6
Chloroethane
Concen: 174.839 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 64 Resp: 140375

Ion	Ratio	Lower	Upper
64	100		
66	32.0	24.9	37.3

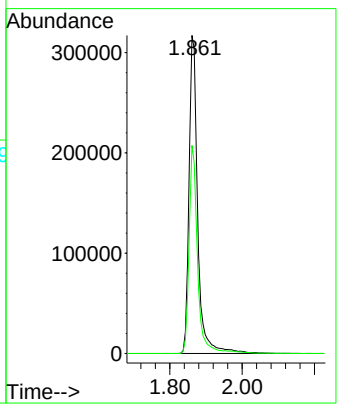




#7
Trichlorofluoromethane
Concen: 219.944 ug/l
RT: 1.861 min Scan# 12
Delta R.T. -0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:101 Resp: 527057

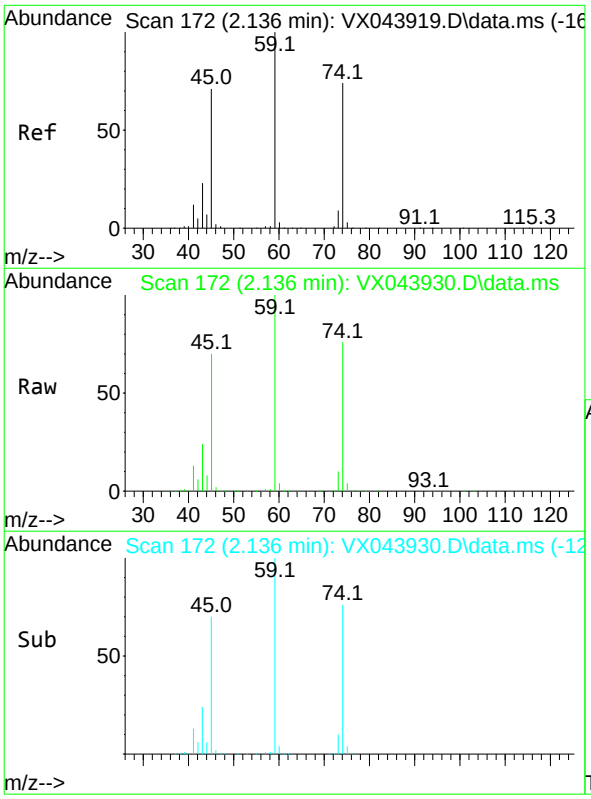
Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.2	78.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

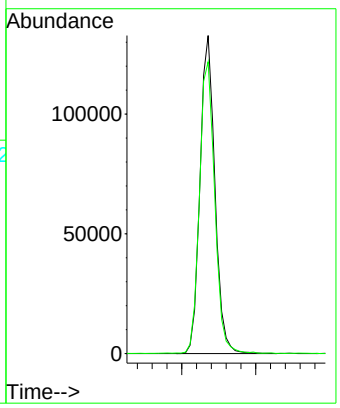
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

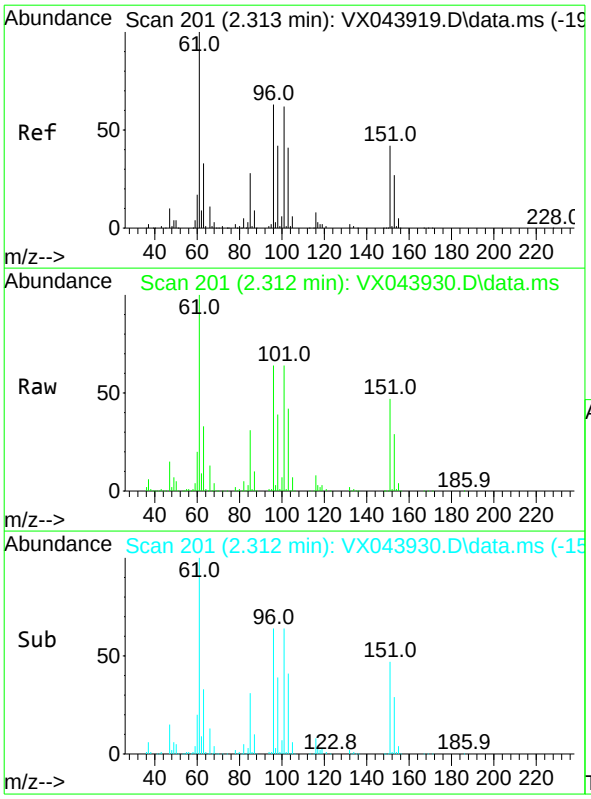


#8
Diethyl Ether
Concen: 204.934 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 74 Resp: 185146

Ion	Ratio	Lower	Upper
74	100		
45	94.1	49.9	149.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 167.580 ug/l
RT: 2.312 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

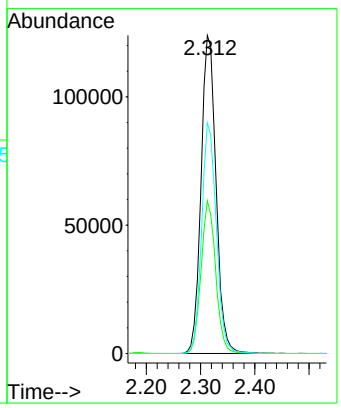
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

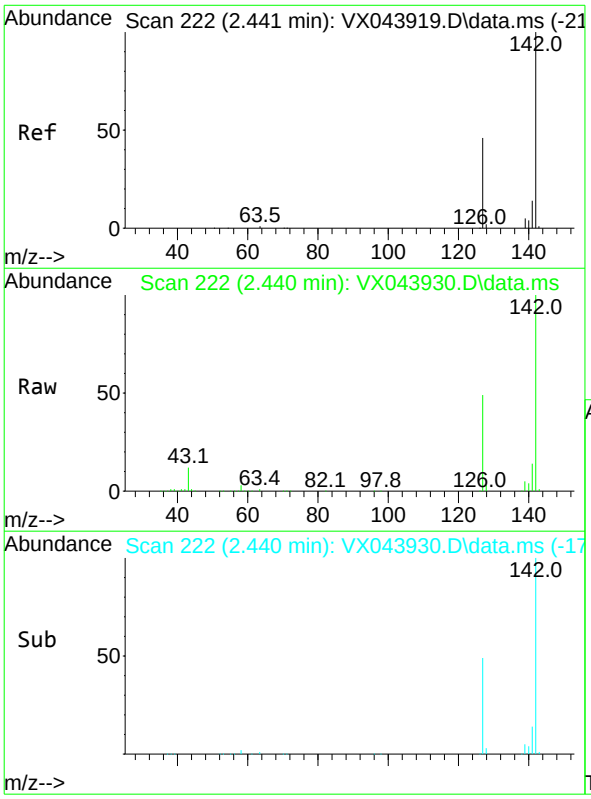
Tgt Ion:101 Resp: 237653

Ion	Ratio	Lower	Upper
101	100		
85	46.8	36.6	54.8
151	71.3	59.8	89.6

Manual Integrations
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Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

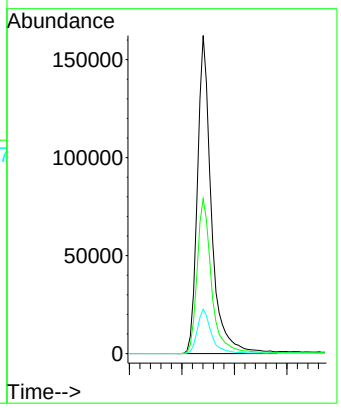


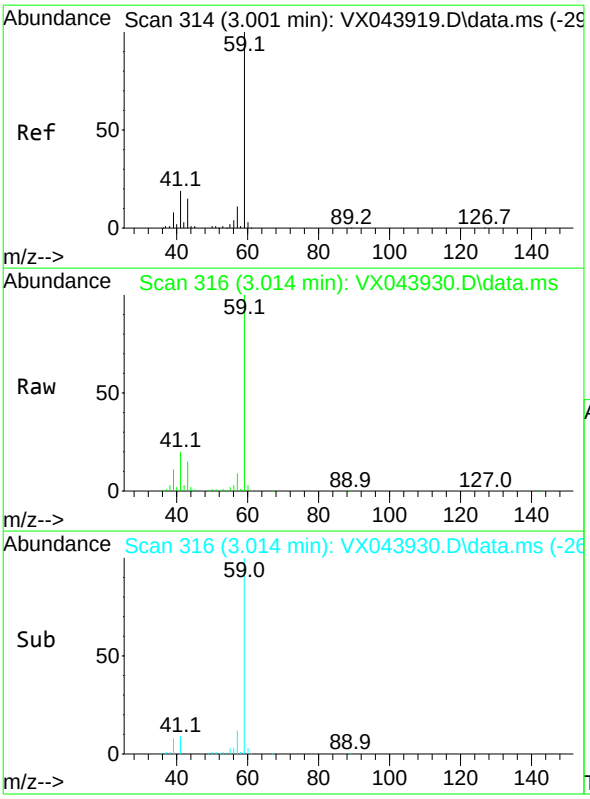


#10
Methyl Iodide
Concen: 150.207 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:142 Resp: 299792

Ion	Ratio	Lower	Upper
142	100		
127	50.1	37.3	55.9
141	14.2	11.4	17.2

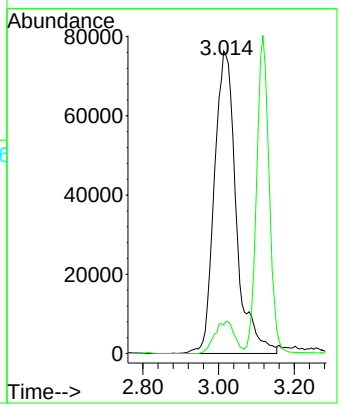




#11
Tert butyl alcohol
Concen: 947.555 ug/l
RT: 3.014 min Scan# 31
Delta R.T. 0.012 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 59 Resp: 306168

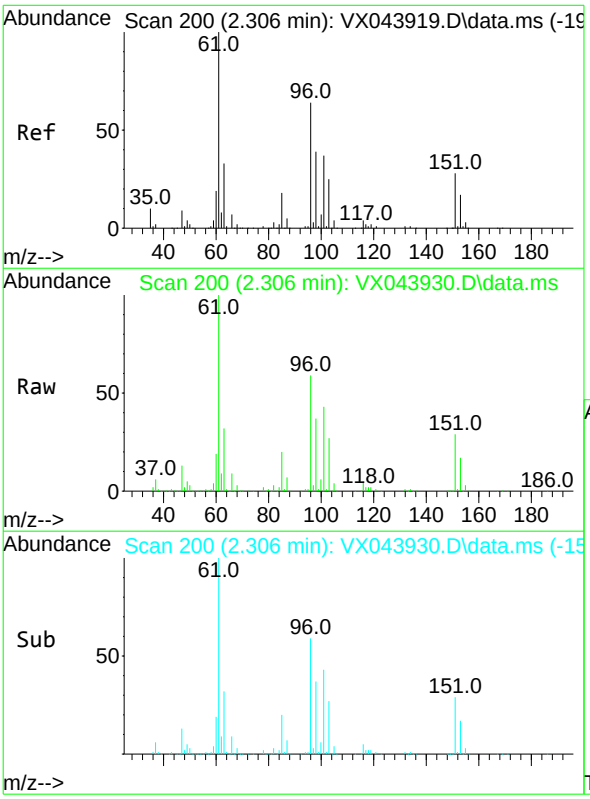
Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.2	12.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

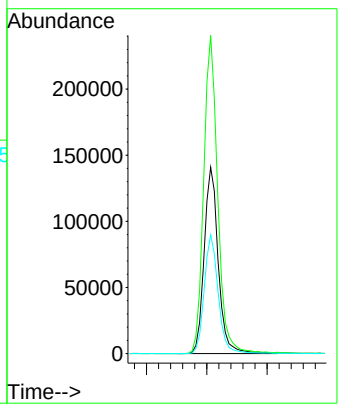
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

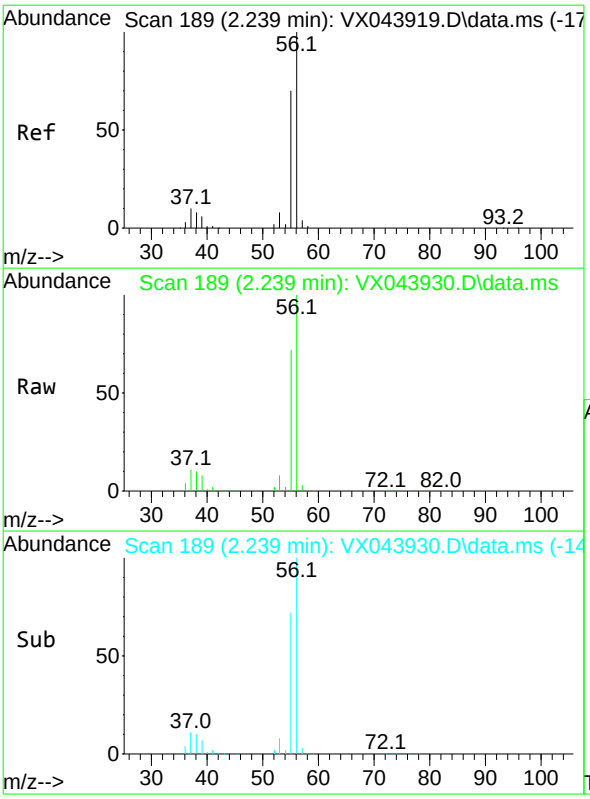


#12
1,1-Dichloroethene
Concen: 166.017 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 96 Resp: 228504

Ion	Ratio	Lower	Upper
96	100		
61	170.7	124.6	187.0
98	63.7	49.0	73.6

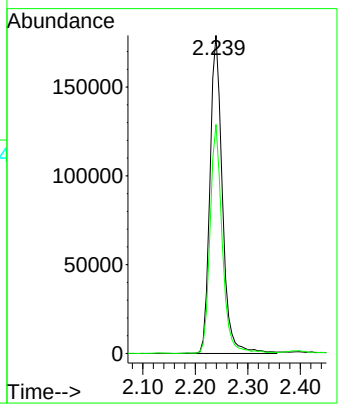




#13
Acrolein
Concen: 813.086 ug/l
RT: 2.239 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 56 Resp: 294638

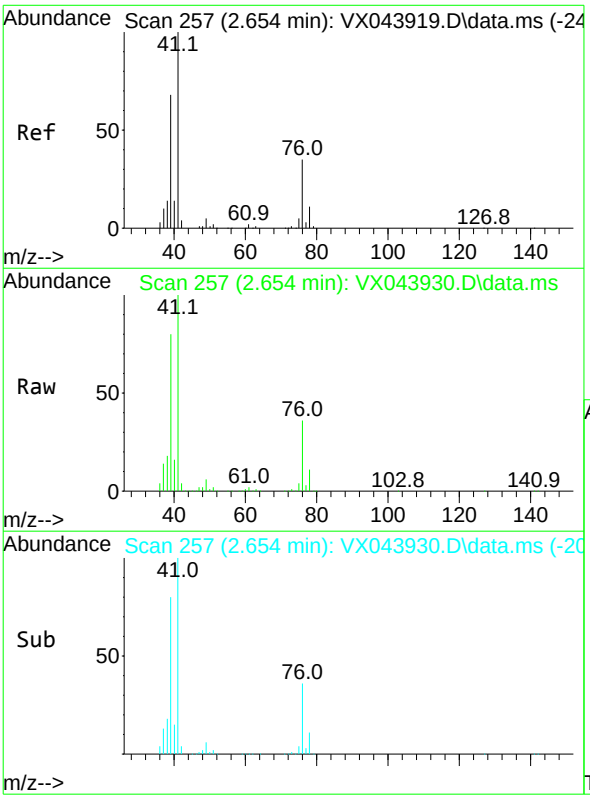
Ion	Ratio	Lower	Upper
56	100		
55	70.1	56.1	84.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

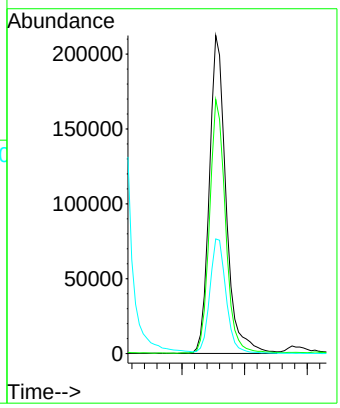
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

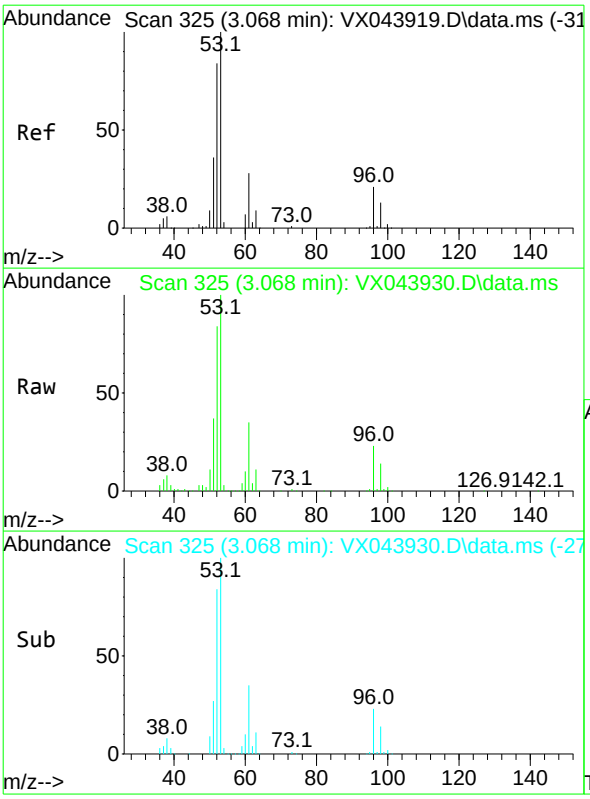


#14
Allyl chloride
Concen: 176.662 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 41 Resp: 394228

Ion	Ratio	Lower	Upper
41	100		
39	76.1	51.7	77.5
76	35.2	28.2	42.2

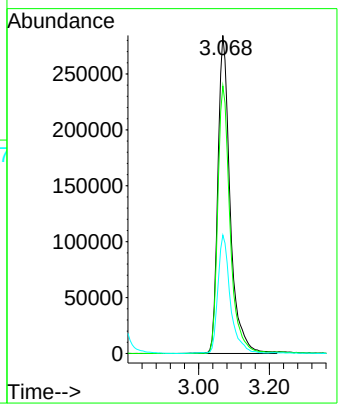




#15
Acrylonitrile
Concen: 822.558 ug/l
RT: 3.068 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 53 Resp: 684169

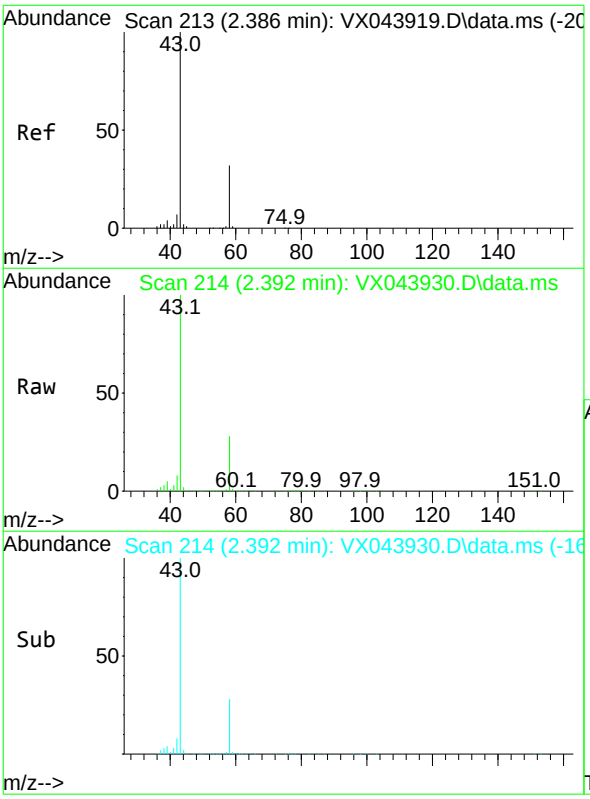
Ion	Ratio	Lower	Upper
53	100		
52	83.9	65.8	98.8
51	37.1	28.6	42.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

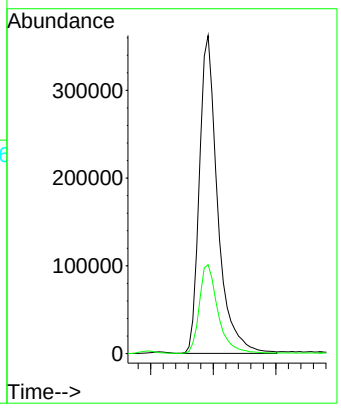
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

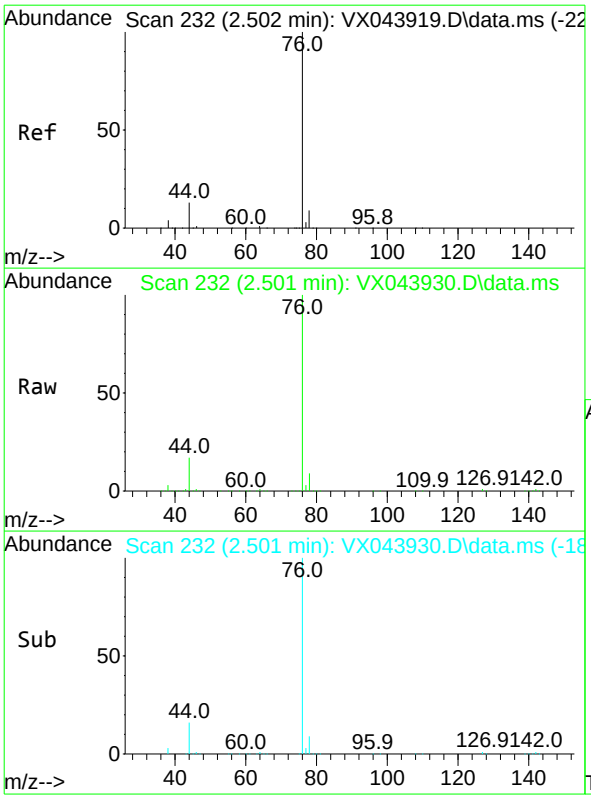


#16
Acetone
Concen: 899.588 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 43 Resp: 734161

Ion	Ratio	Lower	Upper
43	100		
58	27.9	25.8	38.6





#17
Carbon Disulfide
Concen: 184.625 ug/l
RT: 2.501 min Scan# 23
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

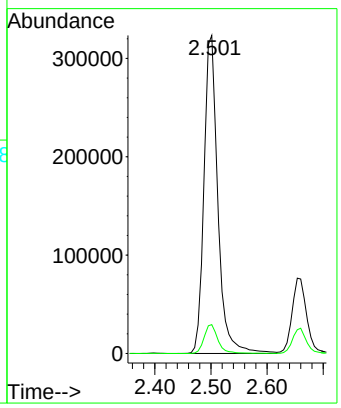
Tgt Ion: 76 Resp: 554853

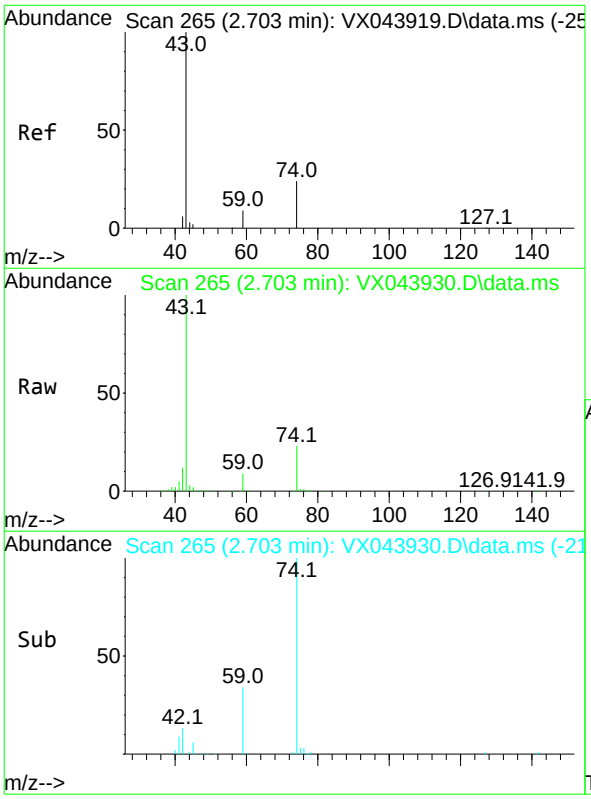
Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

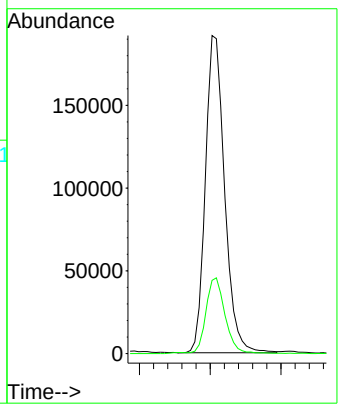


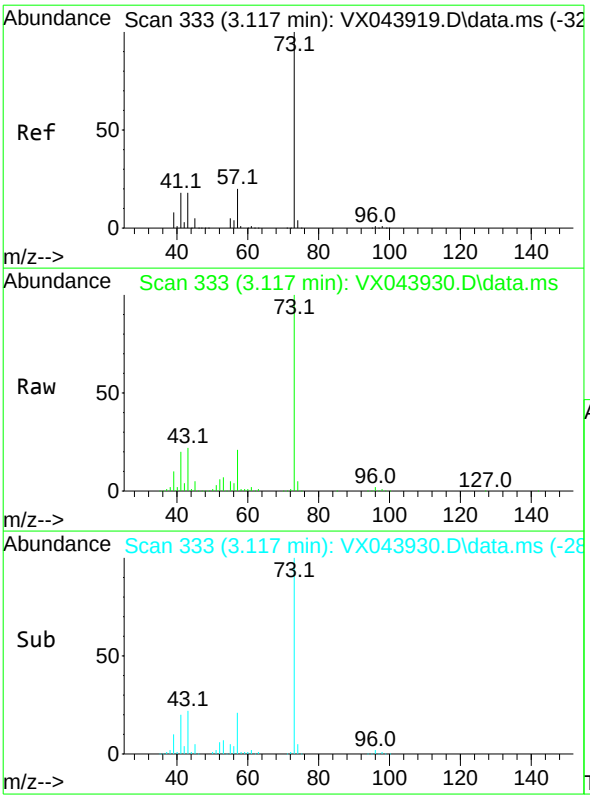


#18
Methyl Acetate
Concen: 161.681 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 43 Resp: 361338

Ion	Ratio	Lower	Upper
43	100		
74	24.0	20.1	30.1

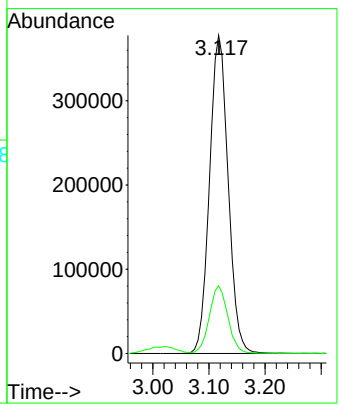




#19
Methyl tert-butyl Ether
Concen: 170.980 ug/l
RT: 3.117 min Scan# 33
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 73 Resp: 869848

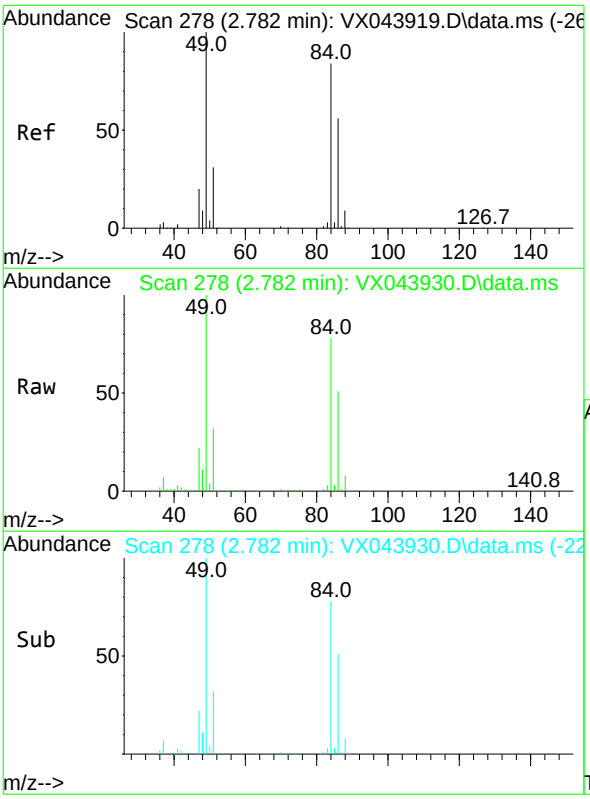
Ion	Ratio	Lower	Upper
73	100		
57	21.2	16.4	24.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

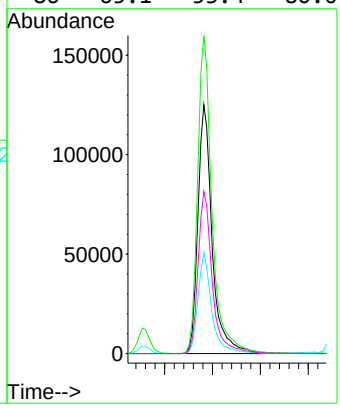
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

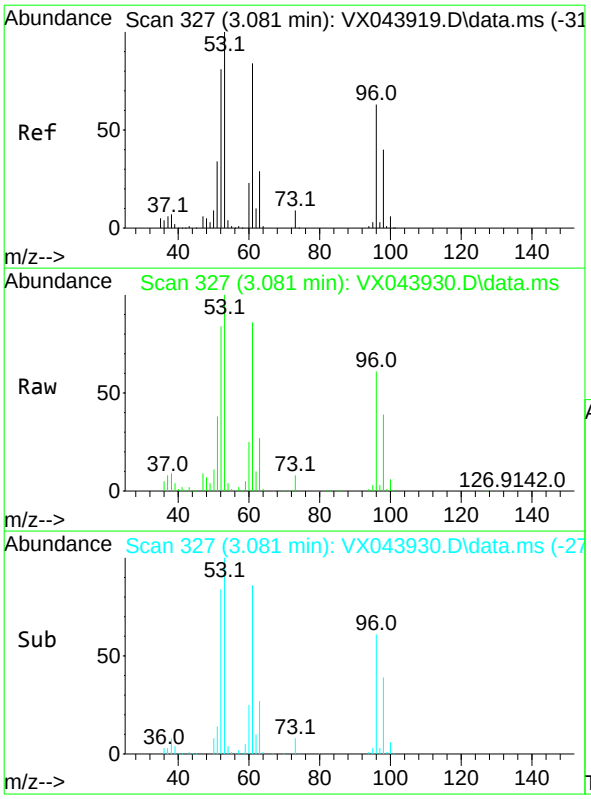


#20
Methylene Chloride
Concen: 152.260 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 84 Resp: 260099

Ion	Ratio	Lower	Upper
84	100		
49	127.7	95.1	142.7
51	40.5	29.2	43.8
86	65.1	53.4	80.0

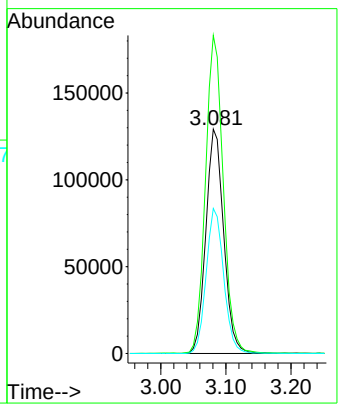




#21
trans-1,2-Dichloroethene
Concen: 163.596 ug/l
RT: 3.081 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 96 Resp: 245485

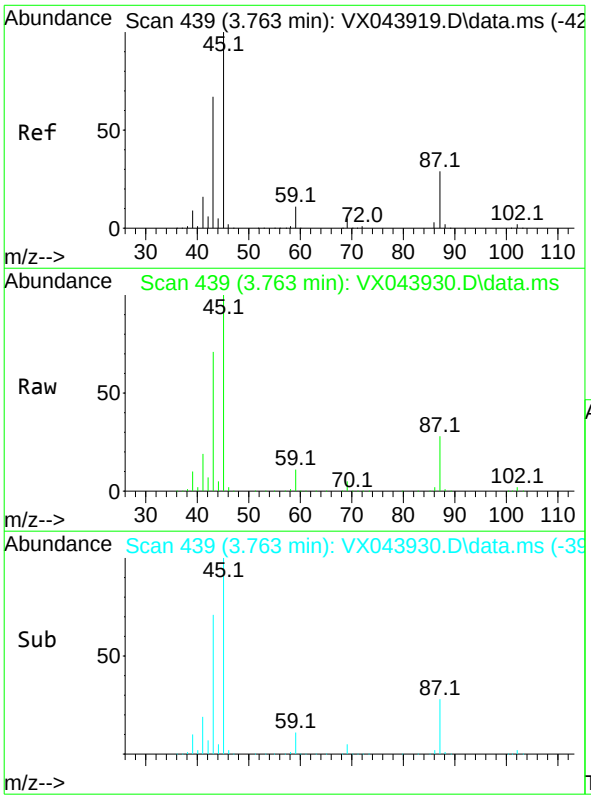
Ion	Ratio	Lower	Upper
96	100		
61	141.6	106.4	159.6
98	64.6	50.9	76.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

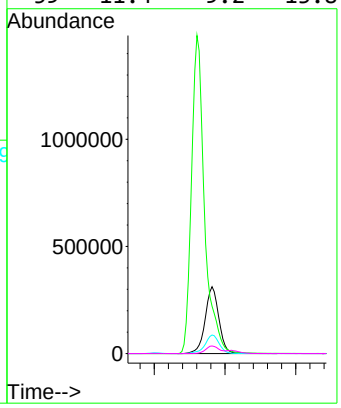
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

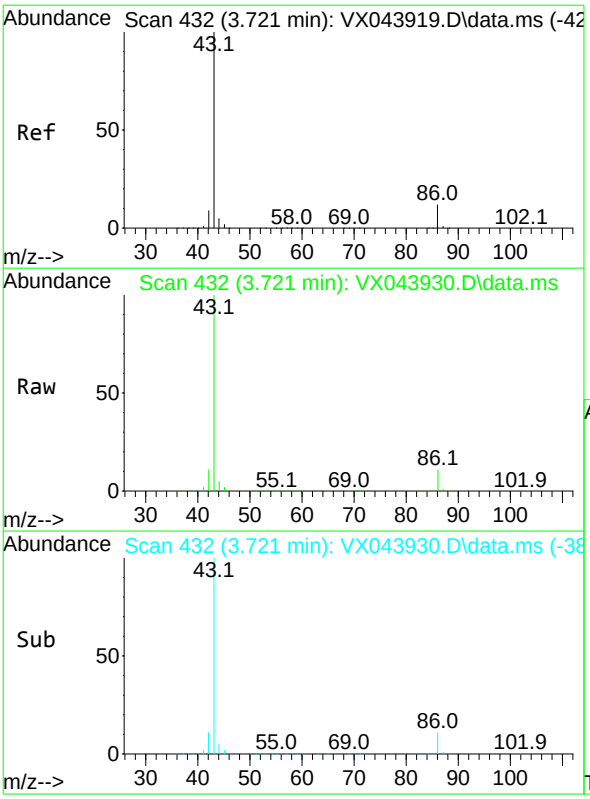


#22
Diisopropyl ether
Concen: 171.467 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 45 Resp: 835960

Ion	Ratio	Lower	Upper
45	100		
43	70.8	53.8	80.6
87	27.8	23.4	35.2
59	11.4	9.2	13.8

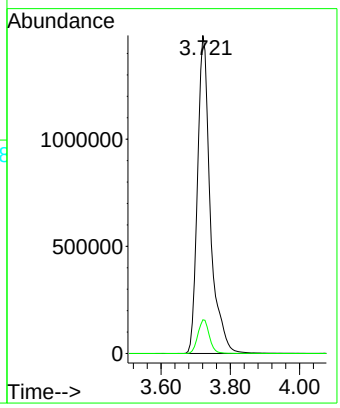




#23
Vinyl Acetate
Concen: 961.094 ug/l
RT: 3.721 min Scan# 43
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 43 Resp: 3797951

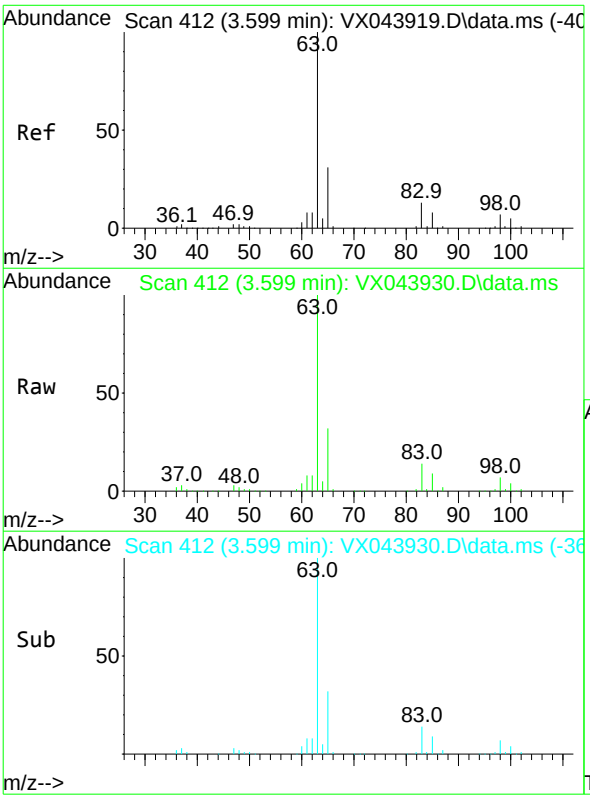
Ion	Ratio	Lower	Upper
43	100		
86	10.6	9.4	14.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

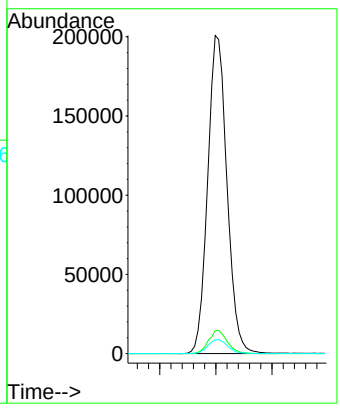
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

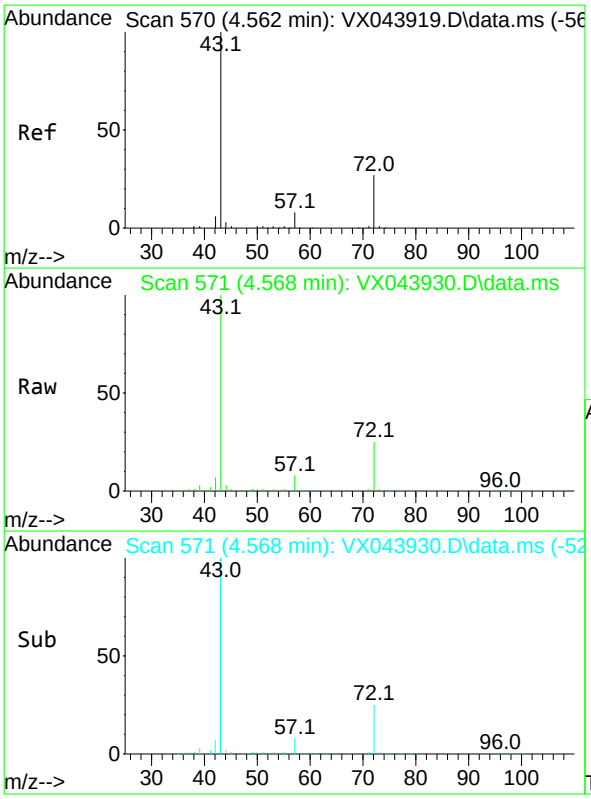


#24
1,1-Dichloroethane
Concen: 167.262 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 63 Resp: 479590

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.7	11.1
100	4.3	2.4	7.2





#25
2-Butanone
Concen: 887.025 ug/l
RT: 4.568 min Scan# 57
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

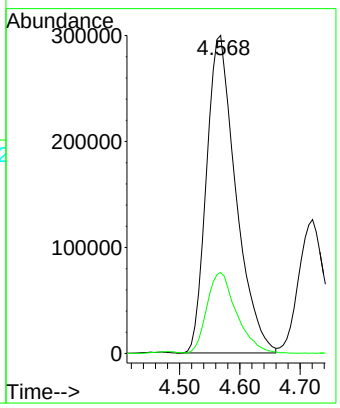
Tgt Ion: 43 Resp: 1012692

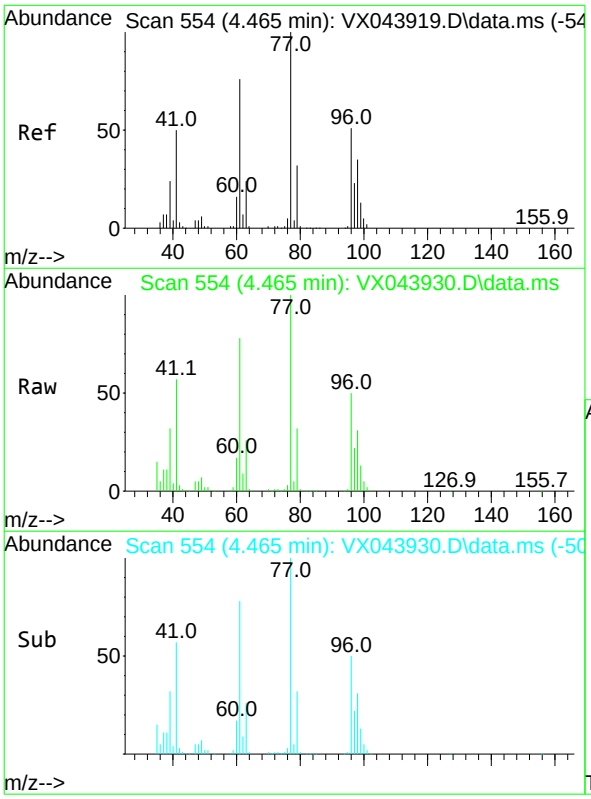
Ion	Ratio	Lower	Upper
43	100		
72	25.2	21.3	31.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

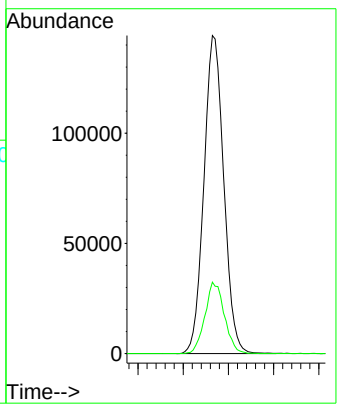


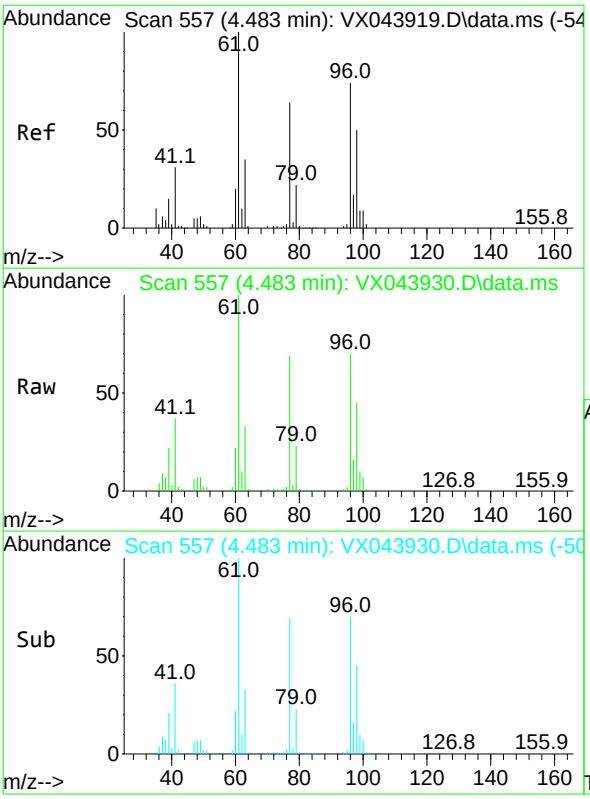


#26
2,2-Dichloropropane
Concen: 186.761 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 77 Resp: 440061

Ion	Ratio	Lower	Upper
77	100		
97	22.0	11.7	35.1

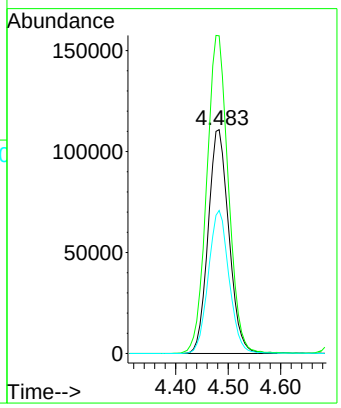




#27
cis-1,2-Dichloroethene
Concen: 162.978 ug/l
RT: 4.483 min Scan# 55
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 96 Resp: 304342

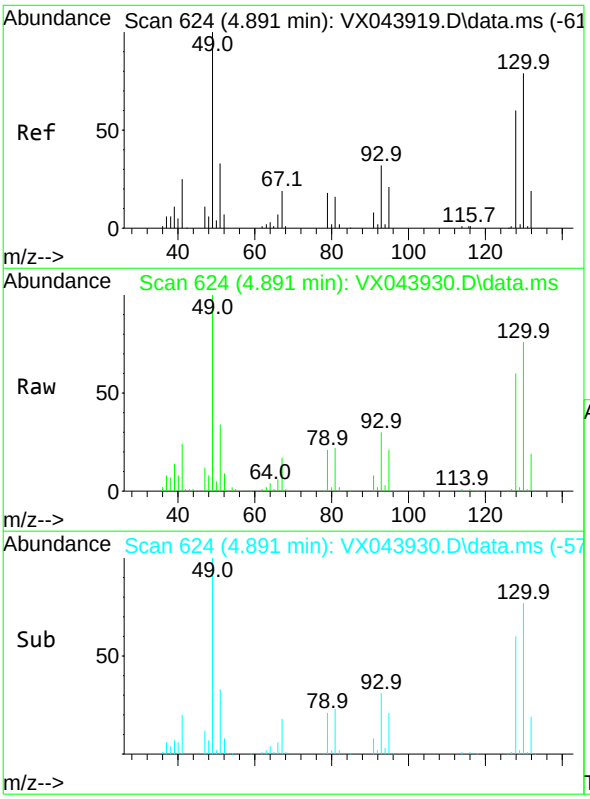
Ion	Ratio	Lower	Upper
96	100		
61	148.2	0.0	279.4
98	63.8	0.0	131.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

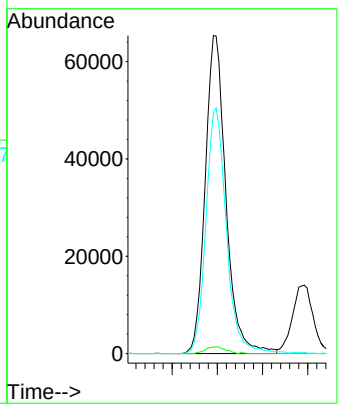
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

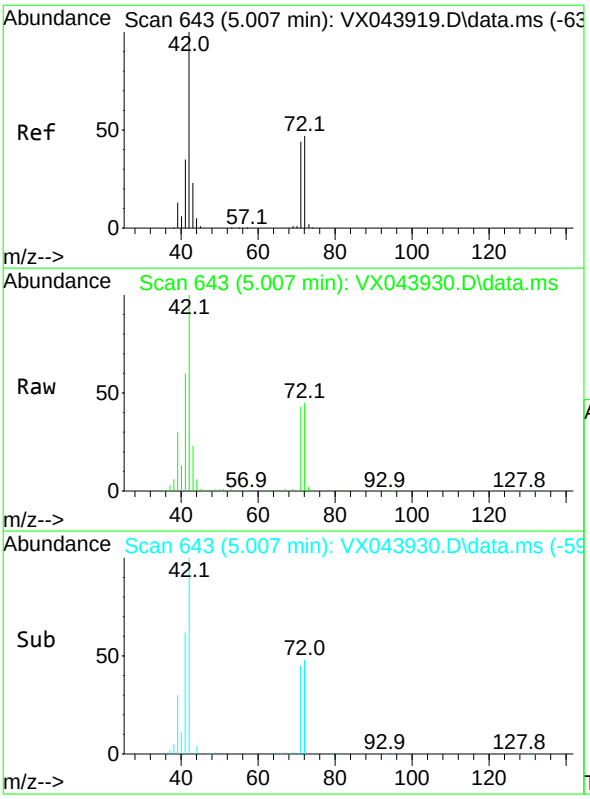


#28
Bromochloromethane
Concen: 172.194 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 49 Resp: 207753

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.4
130	76.4	68.2	102.2

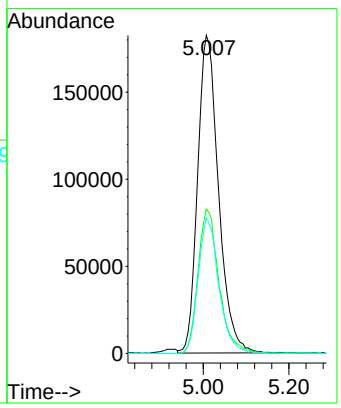




#29
Tetrahydrofuran
Concen: 836.734 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 42 Resp: 617277

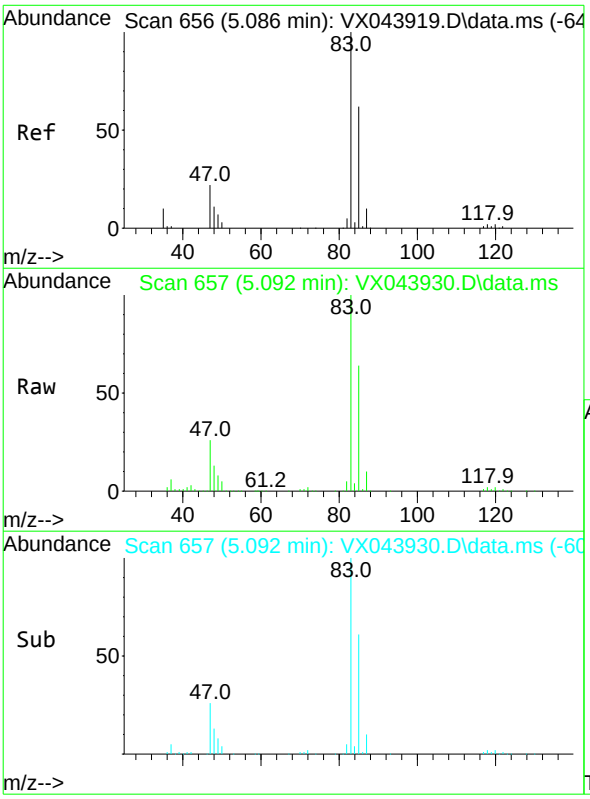
Ion	Ratio	Lower	Upper
42	100		
72	45.8	37.9	56.9
71	42.3	34.8	52.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

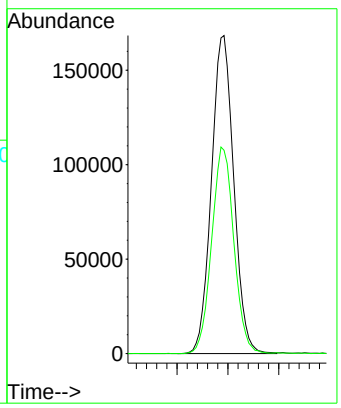
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

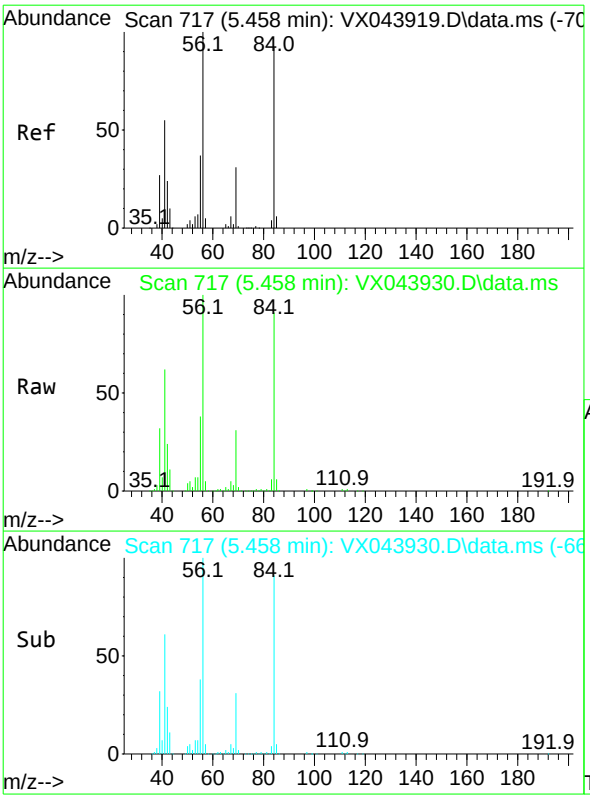


#30
Chloroform
Concen: 171.734 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 83 Resp: 513285

Ion	Ratio	Lower	Upper
83	100		
85	63.9	49.7	74.5





#31
Cyclohexane
Concen: 157.989 ug/l
RT: 5.458 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

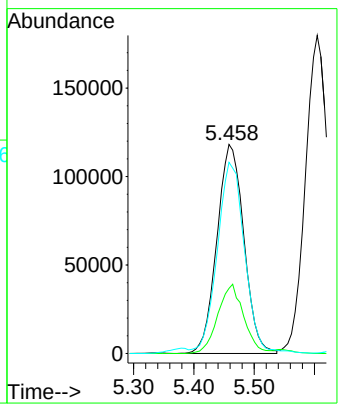
Tgt Ion: 56 Resp: 367157

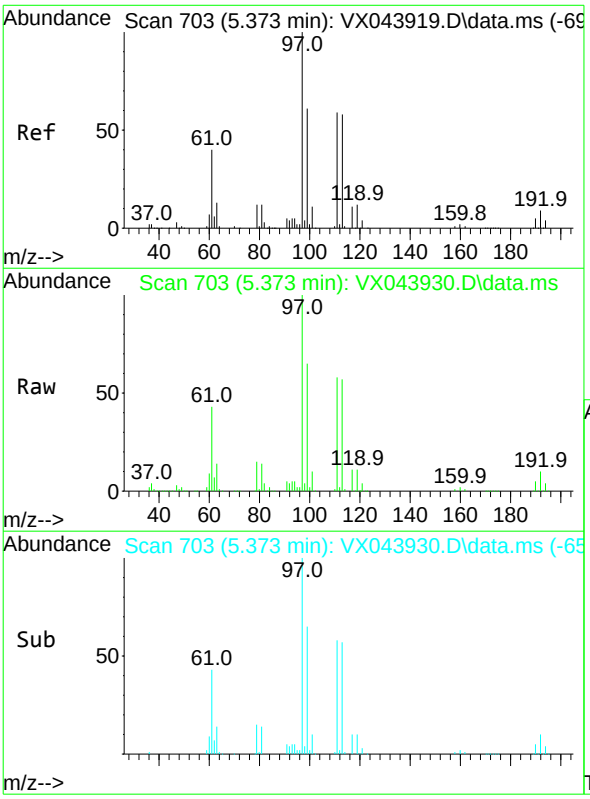
Ion	Ratio	Lower	Upper
56	100		
69	31.1	24.9	37.3
84	89.9	73.8	110.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

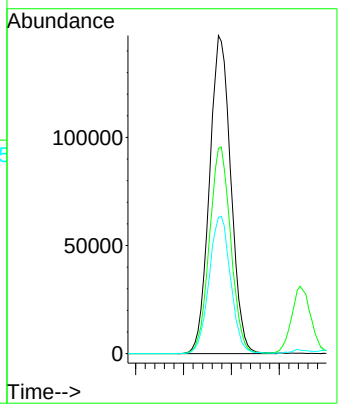


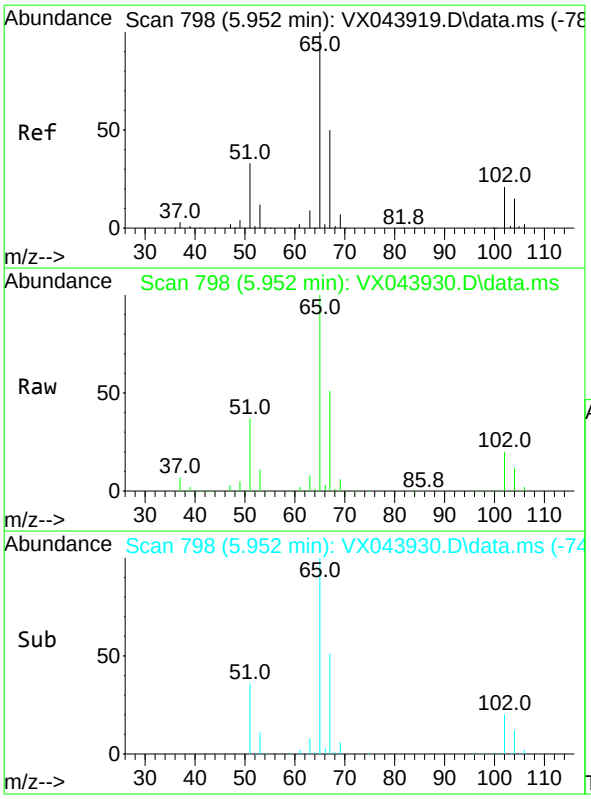


#32
1,1,1-Trichloroethane
Concen: 178.438 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 97 Resp: 455922

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.2	76.8
61	43.5	32.9	49.3

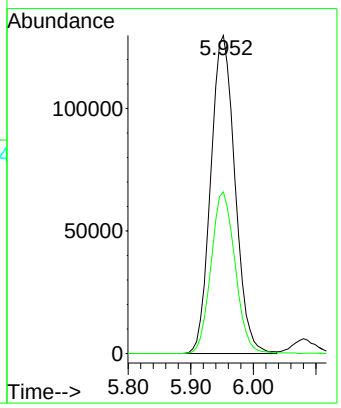




#33
1,2-Dichloroethane-d4
Concen: 171.797 ug/l
RT: 5.952 min Scan# 79
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 65 Resp: 349080

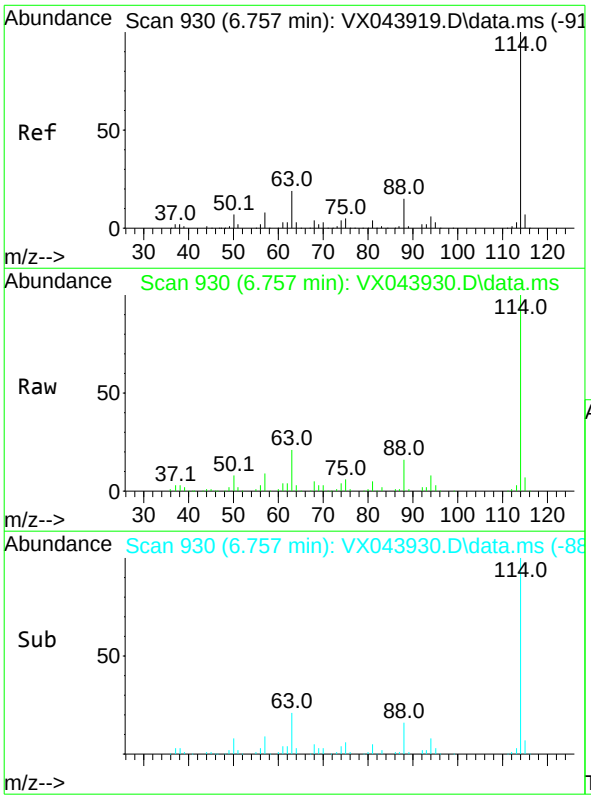
Ion	Ratio	Lower	Upper
65	100		
67	50.3	0.0	103.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

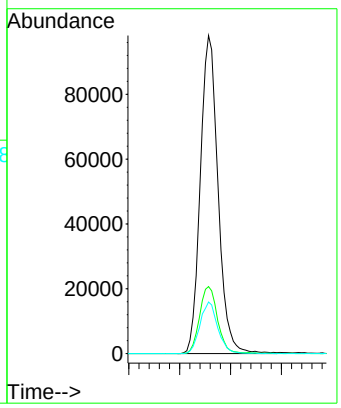
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

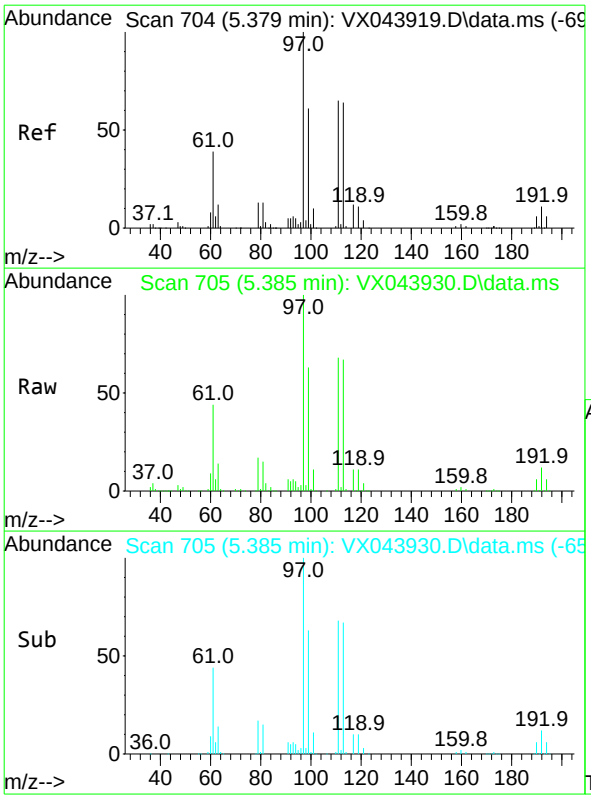


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:114 Resp: 237642

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	39.0
88	16.2	0.0	30.2

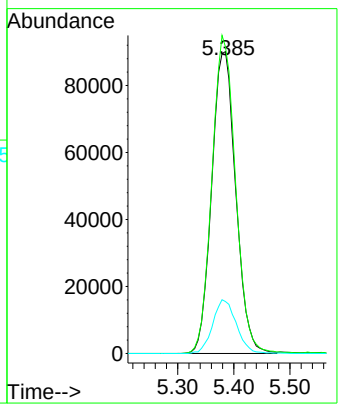




#35
Dibromofluoromethane
Concen: 168.036 ug/l
RT: 5.385 min Scan# 70
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:113 Resp: 268135

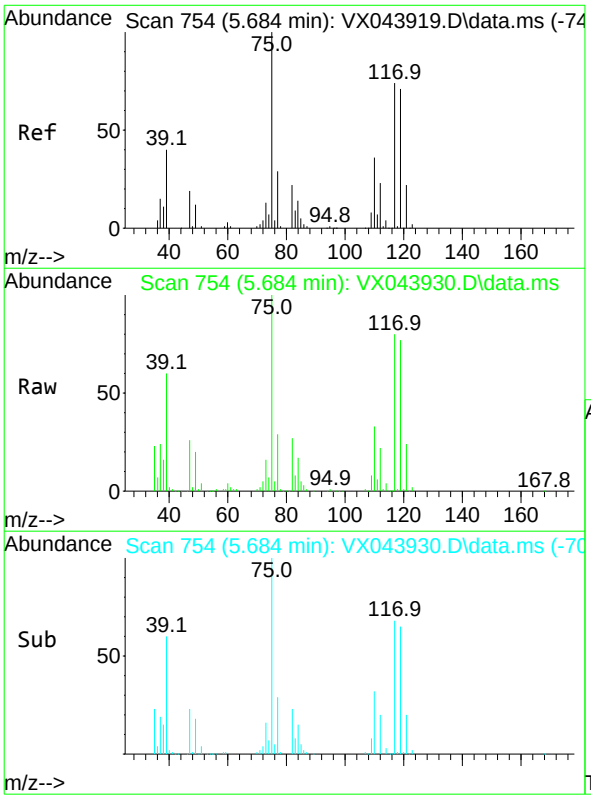
Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.0	121.6
192	17.6	14.2	21.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

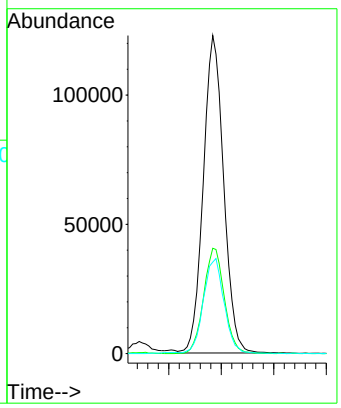
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

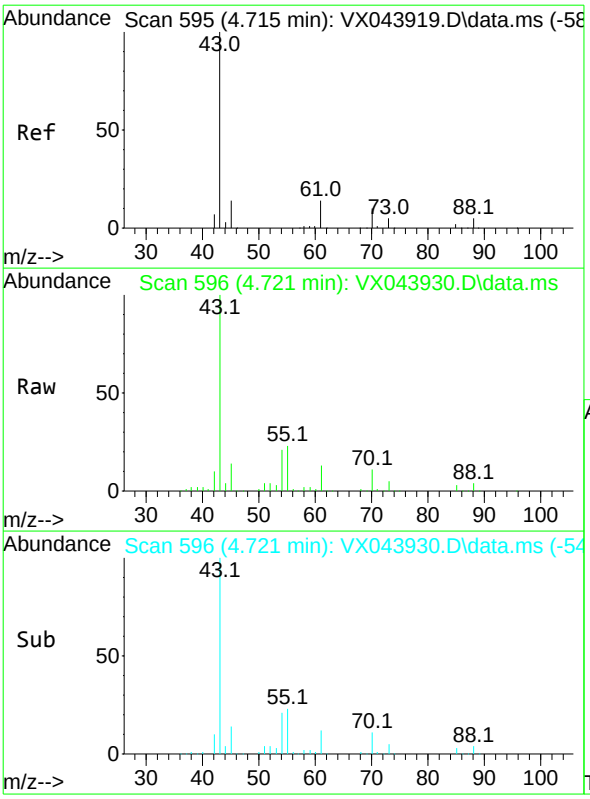


#36
1,1-Dichloropropene
Concen: 166.559 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 75 Resp: 331239

Ion	Ratio	Lower	Upper
75	100		
110	33.6	17.5	52.5
77	30.3	24.9	37.3

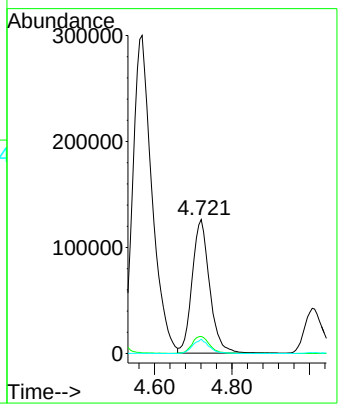




#37
Ethyl Acetate
Concen: 175.887 ug/l
RT: 4.721 min Scan# 59
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 43 Resp: 393670

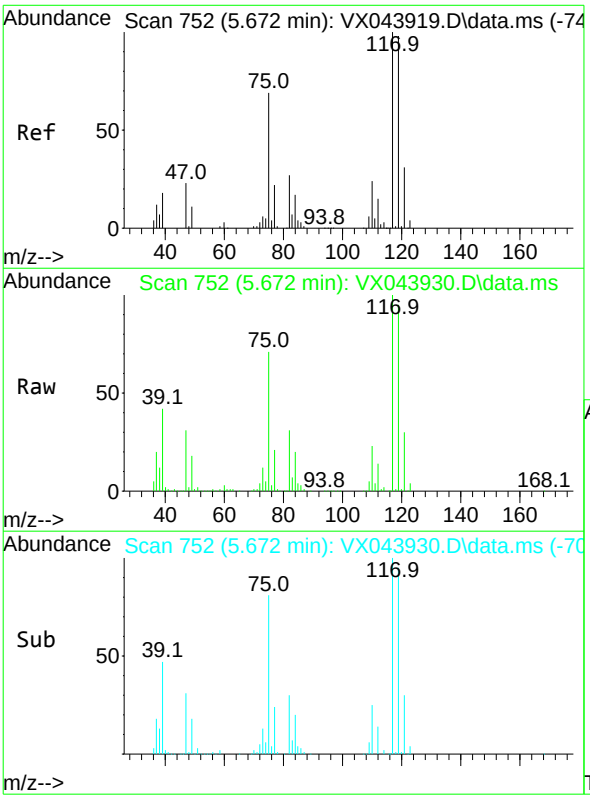
Ion	Ratio	Lower	Upper
43	100		
61	13.0	11.5	17.3
70	9.9	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

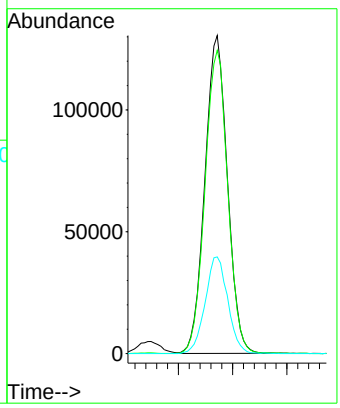
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

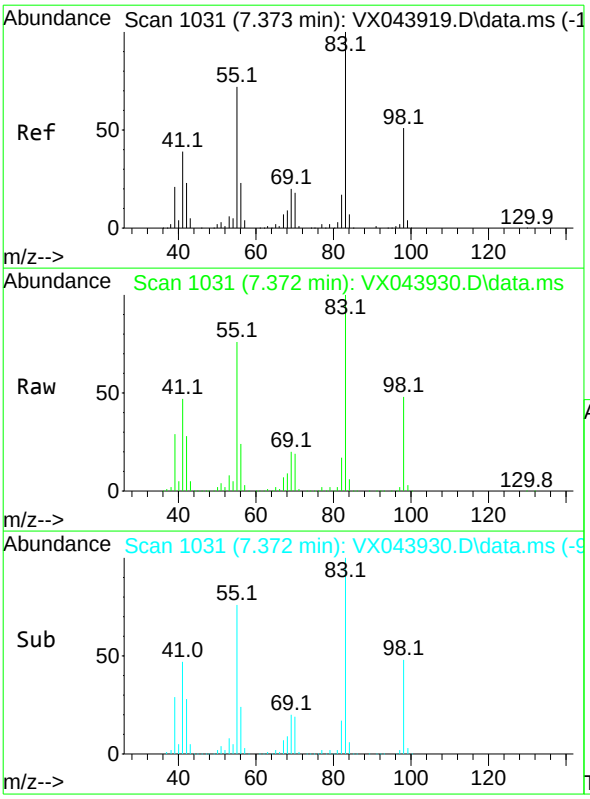


#38
Carbon Tetrachloride
Concen: 178.719 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:117 Resp: 376287

Ion	Ratio	Lower	Upper
117	100		
119	95.3	78.3	117.5
121	30.4	25.1	37.7

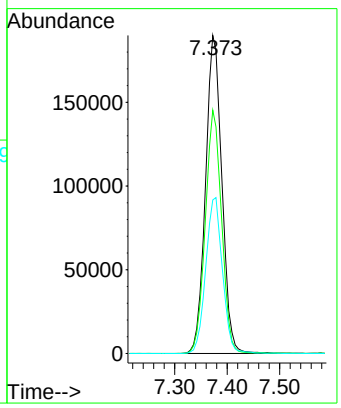




#39
Methylcyclohexane
Concen: 164.816 ug/l
RT: 7.372 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 83 Resp: 410333

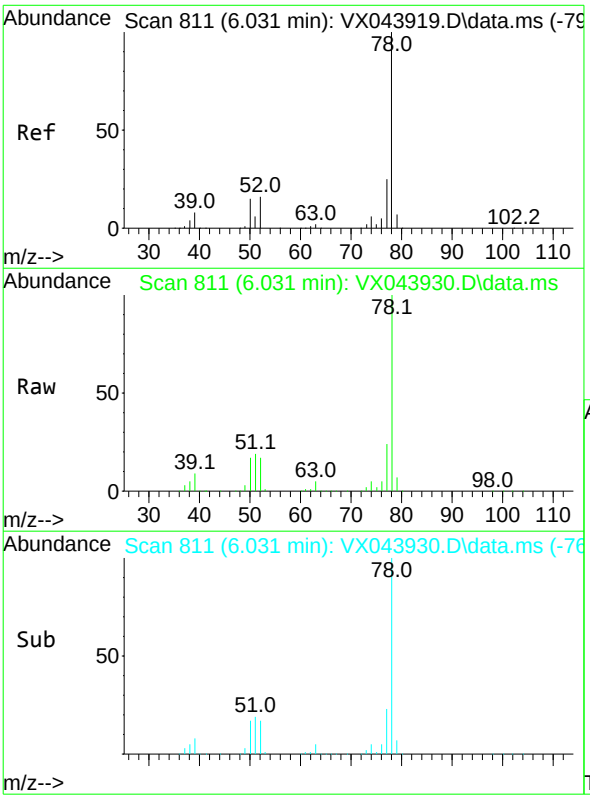
Ion	Ratio	Lower	Upper
83	100		
55	76.4	57.9	86.9
98	48.3	40.5	60.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

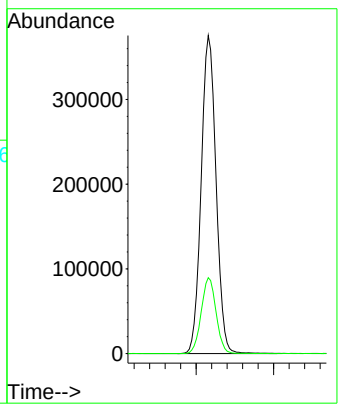
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

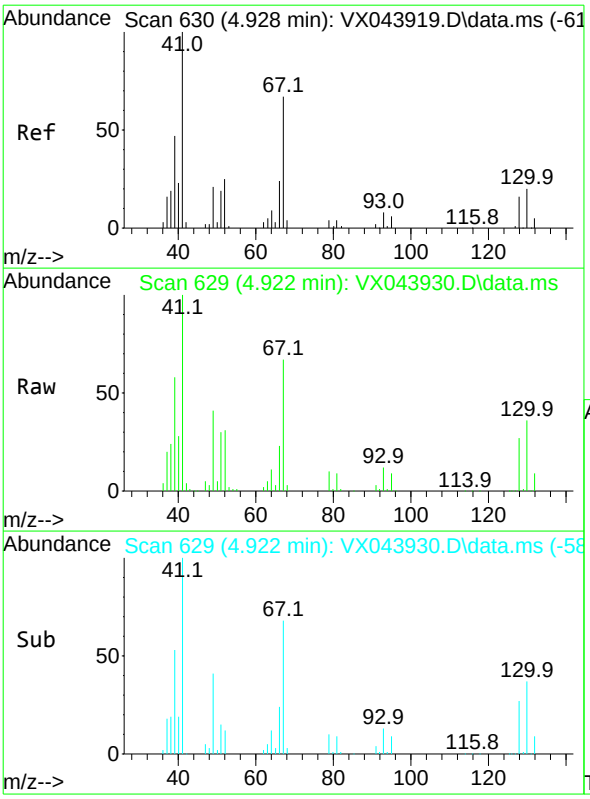


#40
Benzene
Concen: 159.808 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 78 Resp: 999210

Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.8	29.8

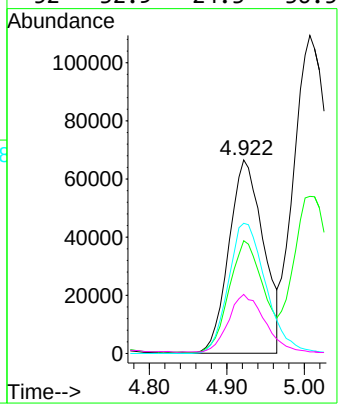




#41
Methacrylonitrile
Concen: 176.637 ug/l
RT: 4.922 min Scan# 62
Delta R.T. -0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 41 Resp: 206026

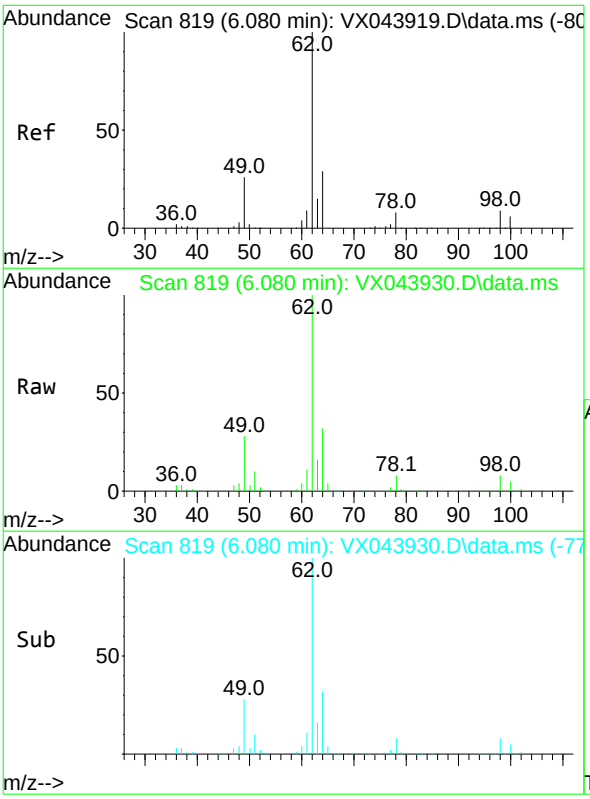
Ion	Ratio	Lower	Upper
41	100		
39	57.7	41.2	61.8
67	73.5	60.3	90.5
52	32.9	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

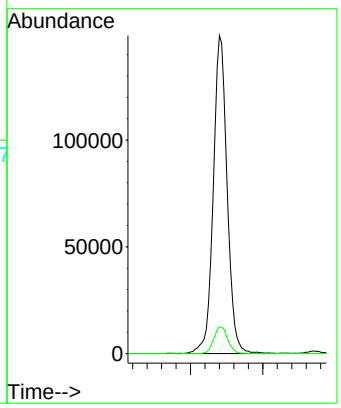
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

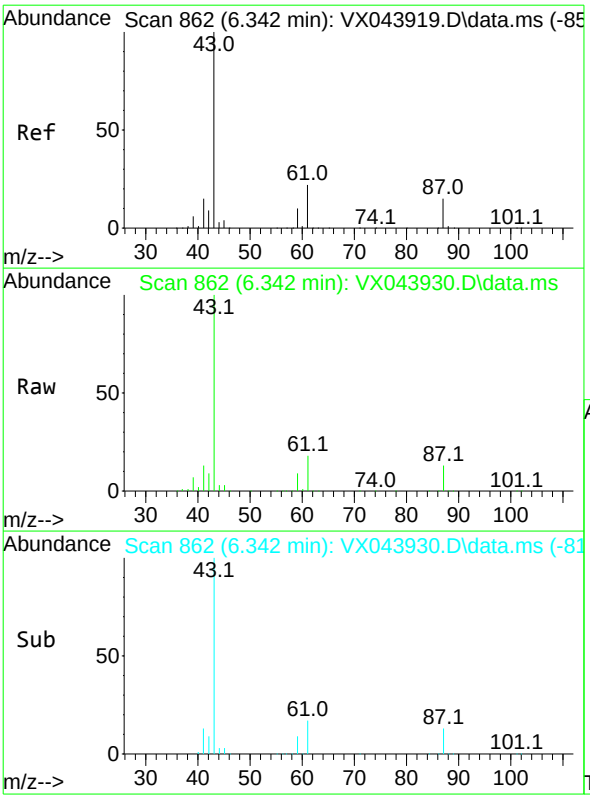


#42
1,2-Dichloroethane
Concen: 175.089 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 62 Resp: 397508

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	18.6

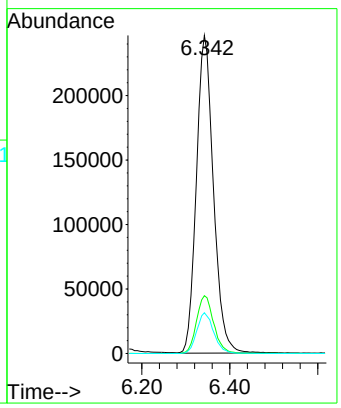




#43
Isopropyl Acetate
Concen: 187.445 ug/l
RT: 6.342 min Scan# 86
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 43 Resp: 661839

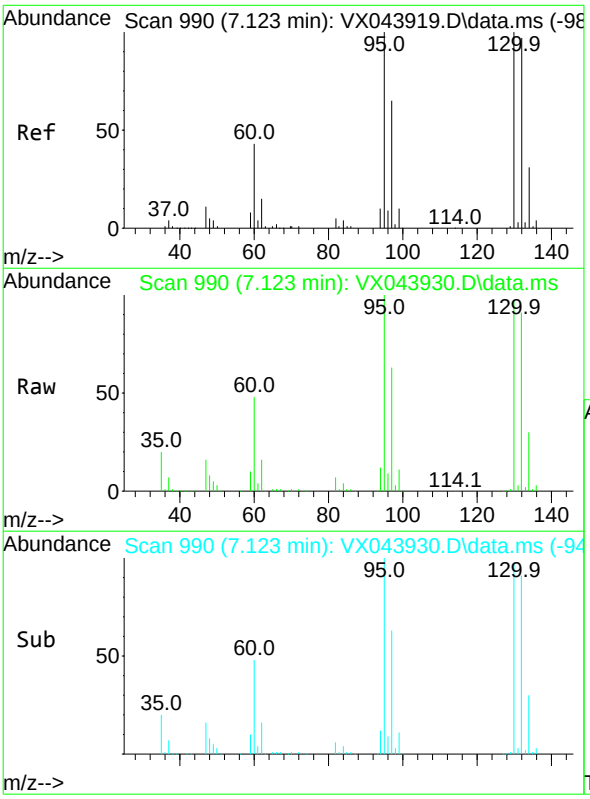
Ion	Ratio	Lower	Upper
43	100		
61	18.4	16.9	25.3
87	12.7	11.9	17.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

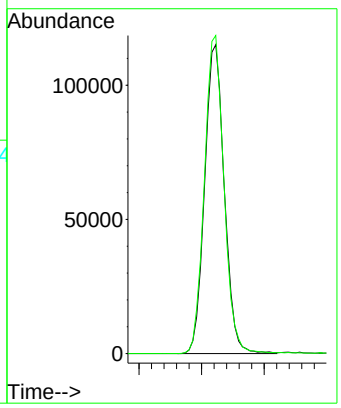
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

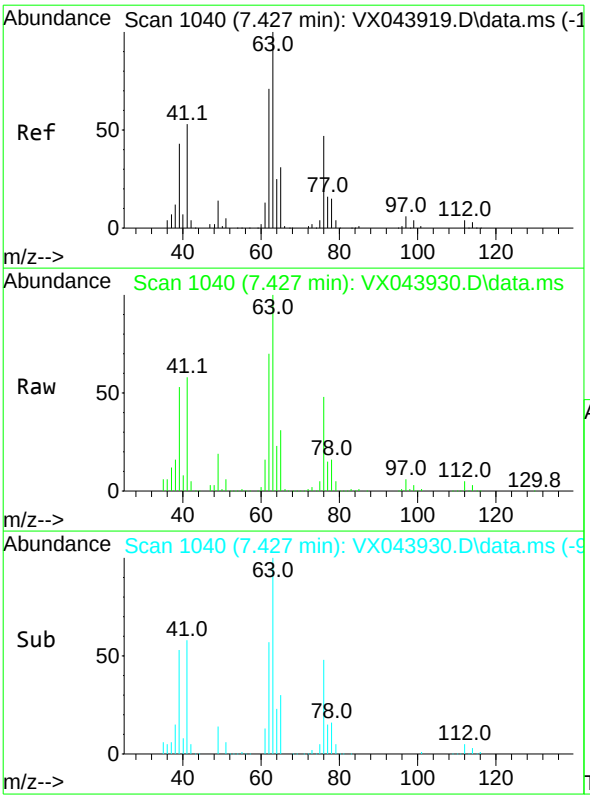


#44
Trichloroethene
Concen: 145.657 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:130 Resp: 251071

Ion	Ratio	Lower	Upper
130	100		
95	103.0	0.0	200.8

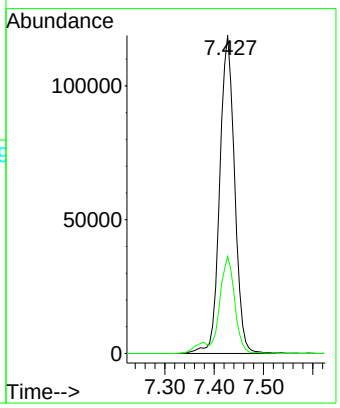




#45
1,2-Dichloropropane
Concen: 162.744 ug/l
RT: 7.427 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 63 Resp: 249394

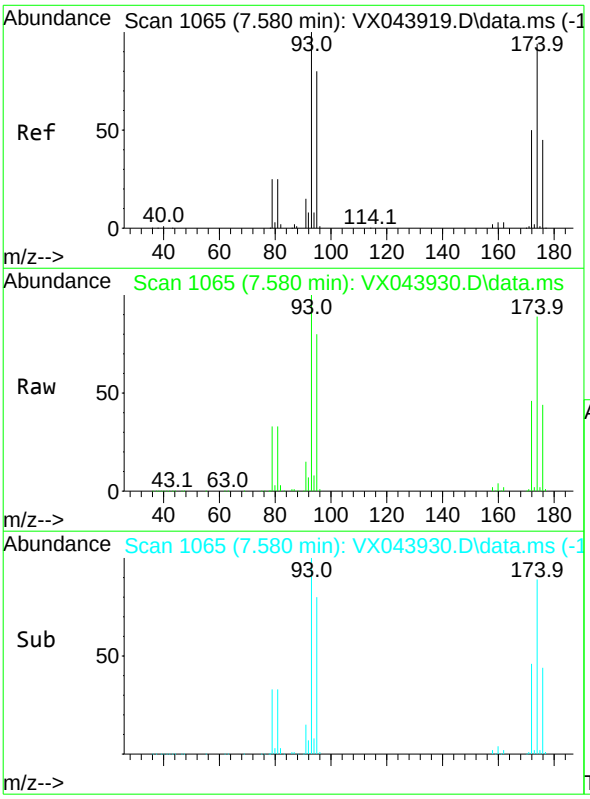
Ion	Ratio	Lower	Upper
63	100		
65	30.5	24.5	36.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

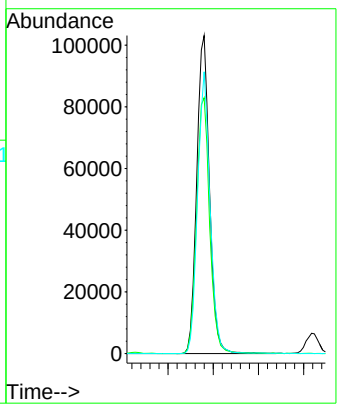
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

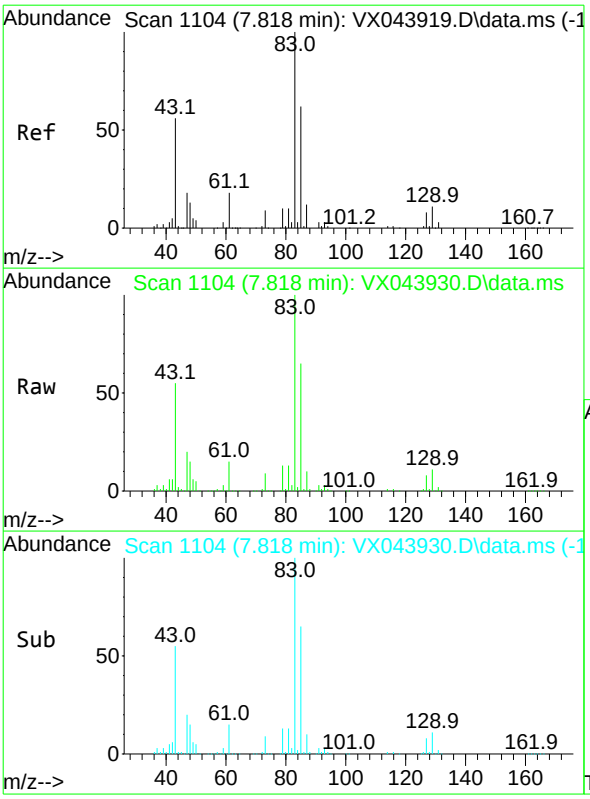


#46
Dibromomethane
Concen: 175.212 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 93 Resp: 202329

Ion	Ratio	Lower	Upper
93	100		
95	81.9	66.1	99.1
174	86.4	75.2	112.8

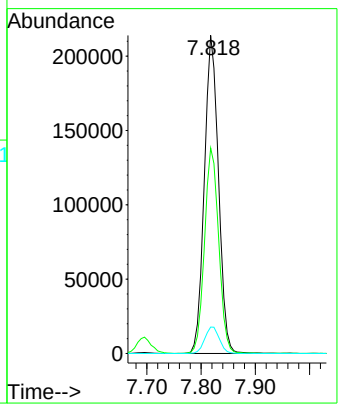




#47
Bromodichloromethane
Concen: 191.362 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 83 Resp: 388259

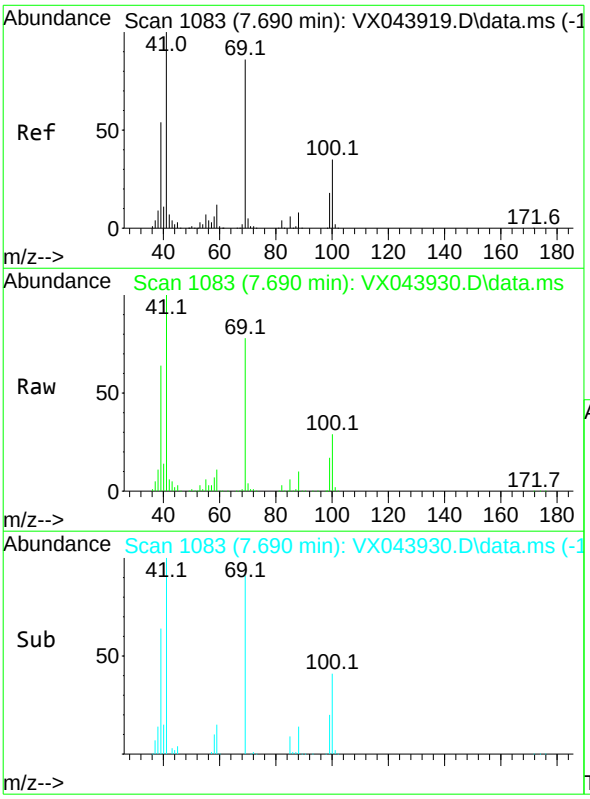
Ion	Ratio	Lower	Upper
83	100		
85	64.6	49.4	74.0
127	8.3	6.2	9.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

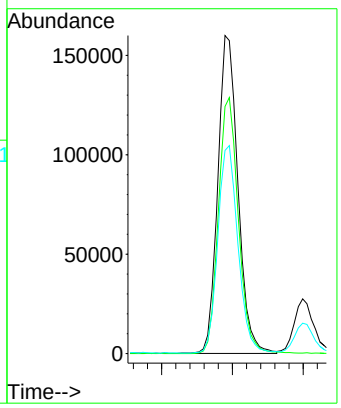
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

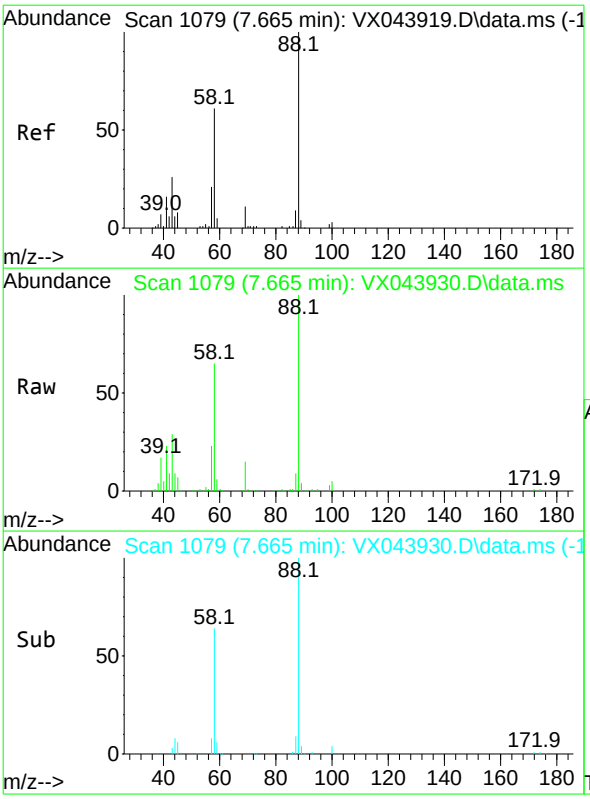


#48
Methyl methacrylate
Concen: 180.493 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 41 Resp: 315872

Ion	Ratio	Lower	Upper
41	100		
69	80.1	72.1	108.1
39	65.4	43.8	65.8





#49
1,4-Dioxane
Concen: 2860.706 ug/l
RT: 7.665 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

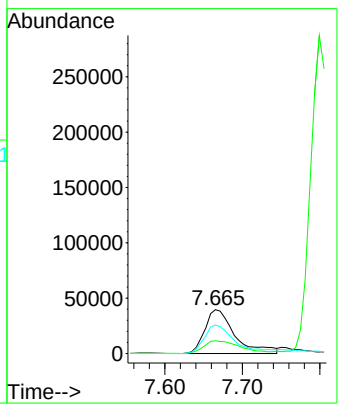
Tgt Ion: 88 Resp: 106634

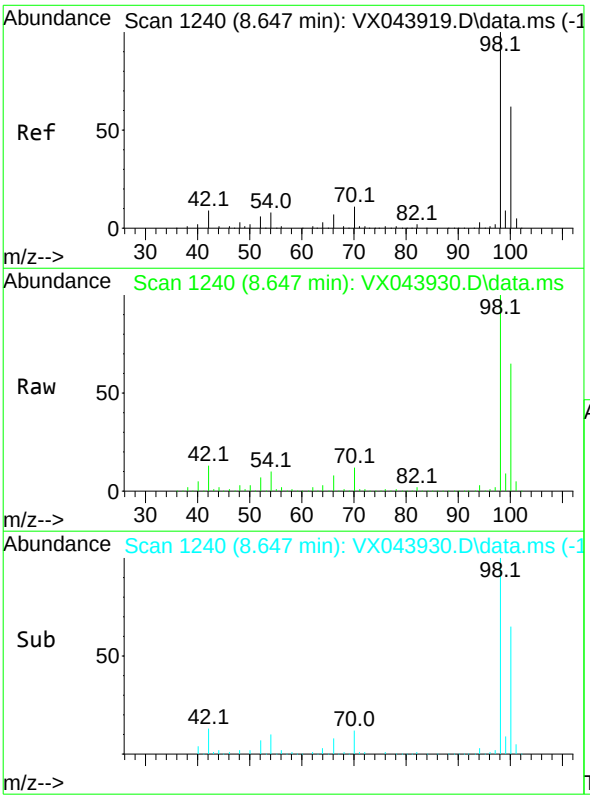
Ion	Ratio	Lower	Upper
88	100		
43	35.6	17.4	26.0#
58	66.2	41.0	61.6#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

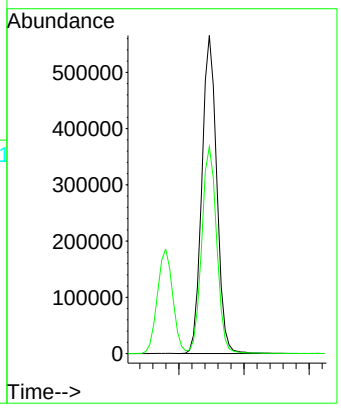


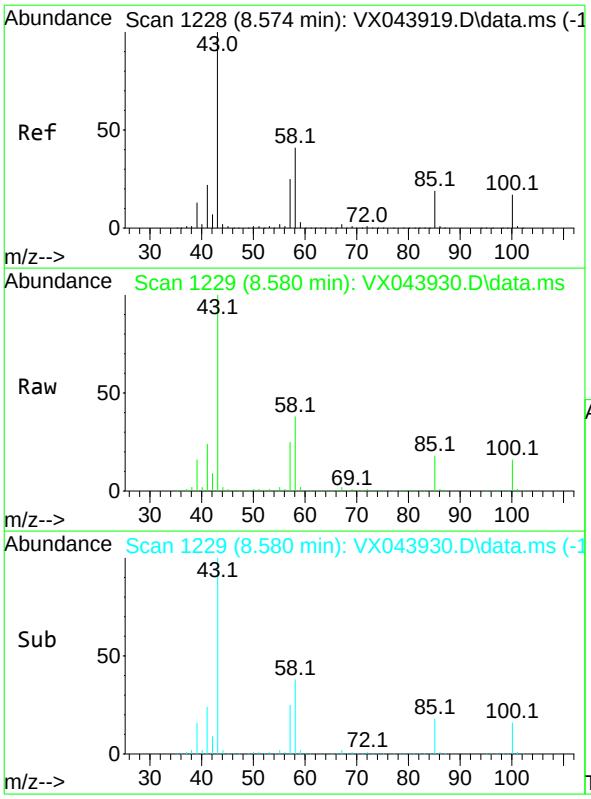


#50
Toluene-d8
Concen: 168.154 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 98 Resp: 896413

Ion	Ratio	Lower	Upper
98	100		
100	65.7	53.0	79.6

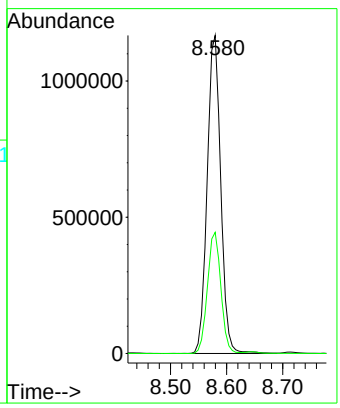




#51
4-Methyl-2-Pentanone
Concen: 887.971 ug/l
RT: 8.580 min Scan# 12
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 43 Resp: 1954925

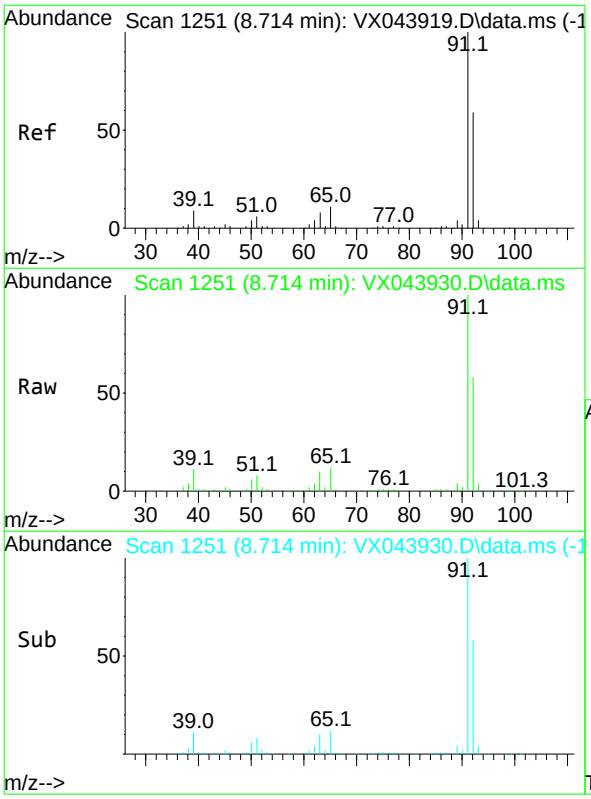
Ion	Ratio	Lower	Upper
43	100		
58	37.8	32.4	48.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

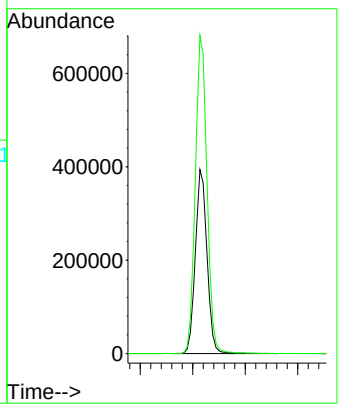
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

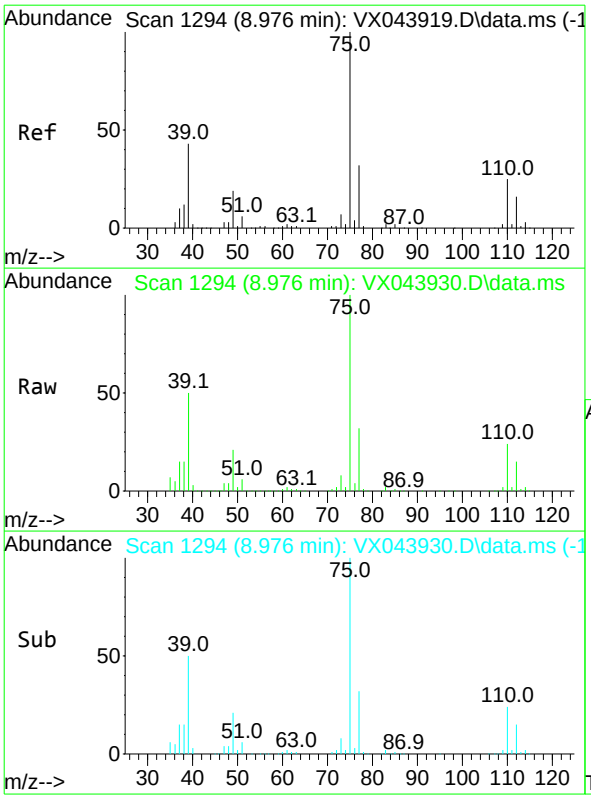


#52
Toluene
Concen: 168.323 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 92 Resp: 607179

Ion	Ratio	Lower	Upper
92	100		
91	173.9	136.2	204.4

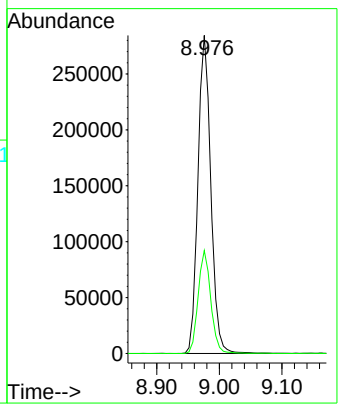




#53
t-1,3-Dichloropropene
Concen: 197.387 ug/l
RT: 8.976 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 75 Resp: 406346

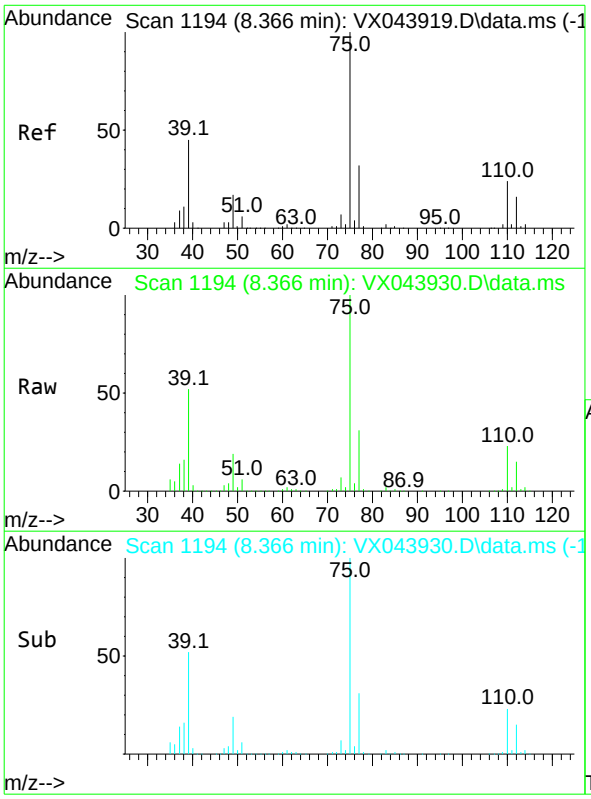
Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

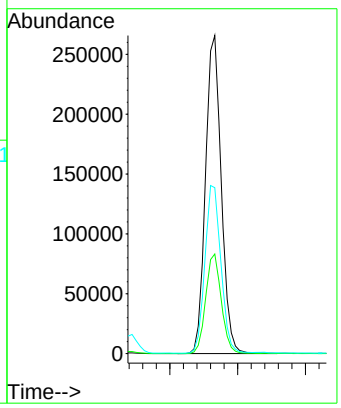
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

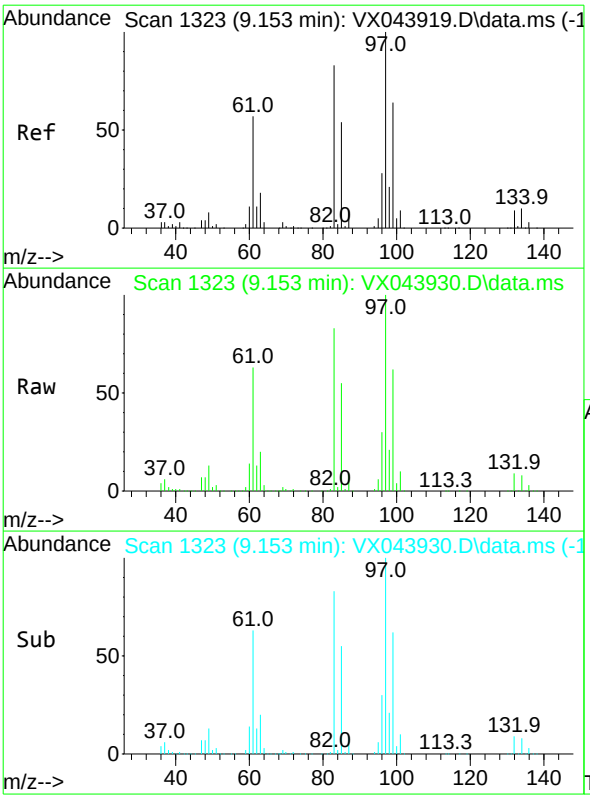


#54
cis-1,3-Dichloropropene
Concen: 183.704 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 75 Resp: 428549

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.4	38.2
39	52.0	36.1	54.1

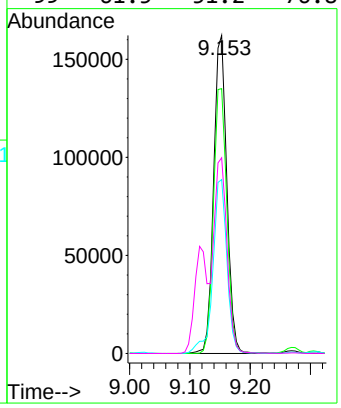




#55
1,1,2-Trichloroethane
Concen: 174.579 ug/l
RT: 9.153 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 97 Resp: 245706

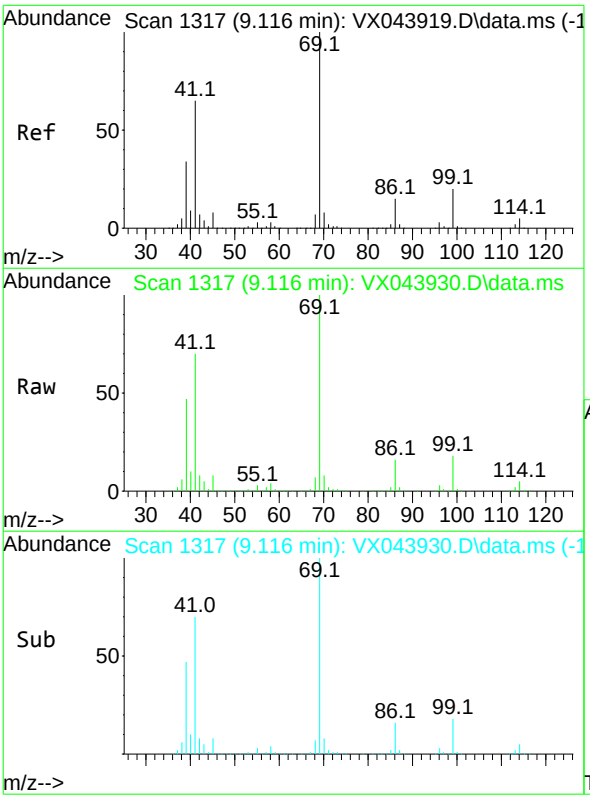
Ion	Ratio	Lower	Upper
97	100		
83	83.3	66.5	99.7
85	54.7	43.4	65.2
99	61.5	51.2	76.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

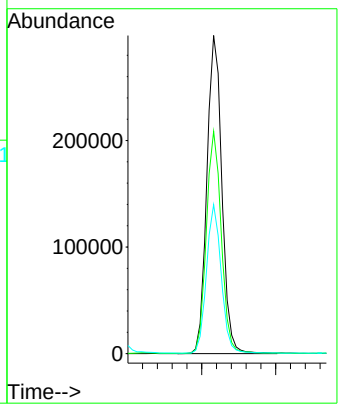
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

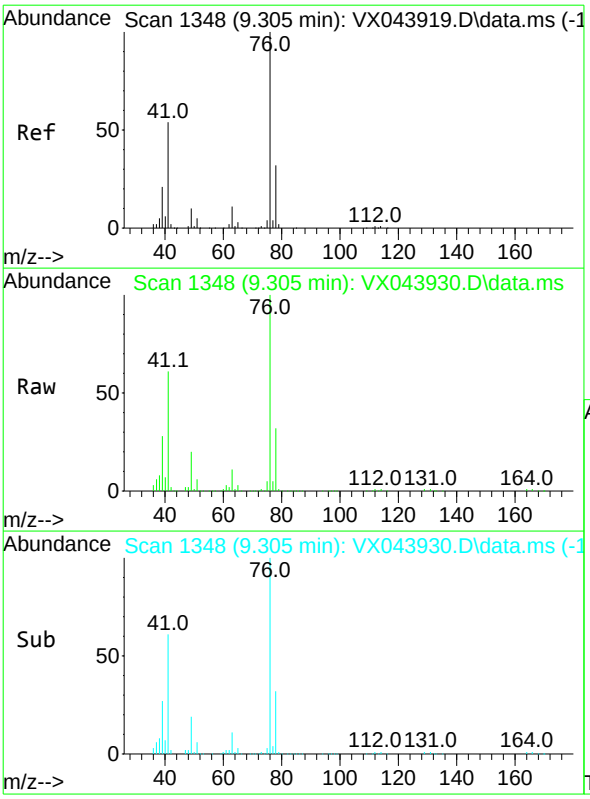


#56
Ethyl methacrylate
Concen: 188.658 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 69 Resp: 420409

Ion	Ratio	Lower	Upper
69	100		
41	69.6	51.7	77.5
39	45.9	26.8	40.2#

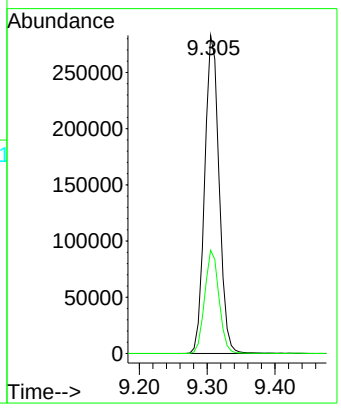




#57
1,3-Dichloropropane
Concen: 176.770 ug/l
RT: 9.305 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 76 Resp: 416811

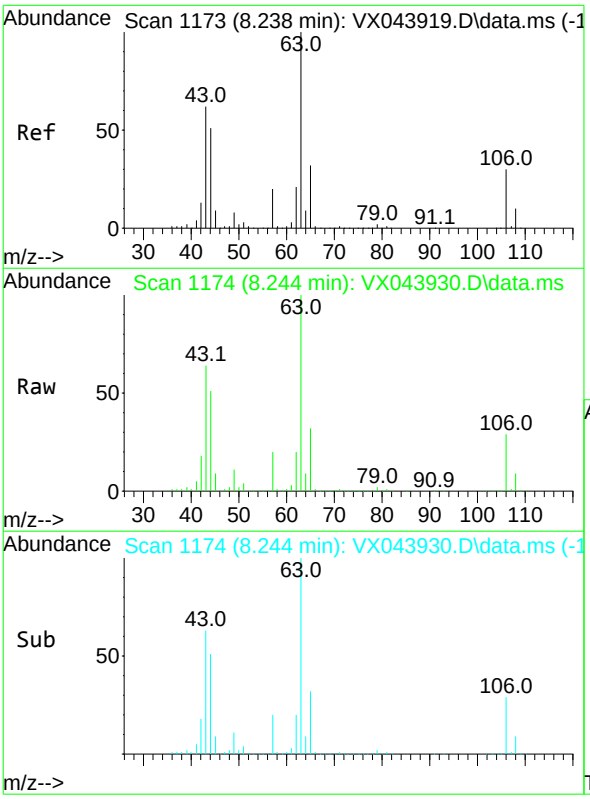
Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

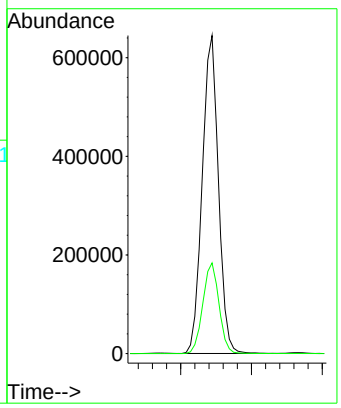
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

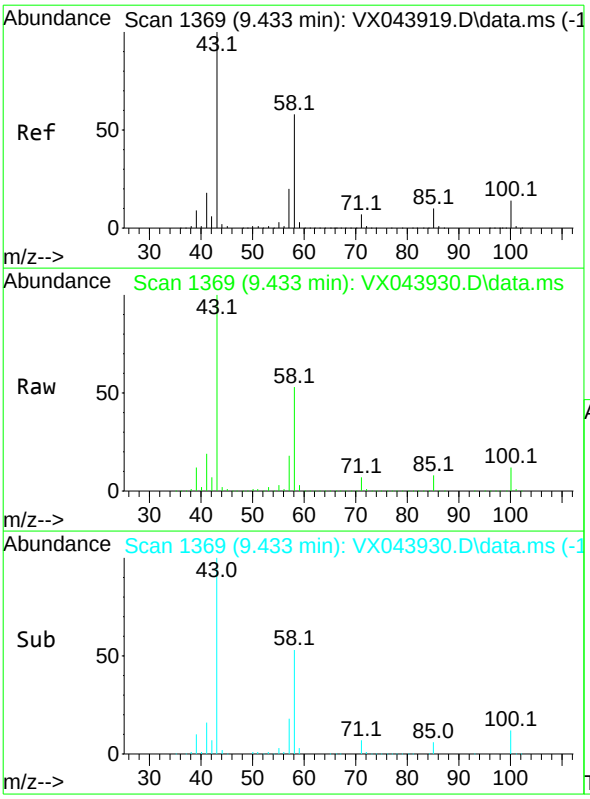


#58
2-Chloroethyl Vinyl ether
Concen: 875.887 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 63 Resp: 1023576

Ion	Ratio	Lower	Upper
63	100		
106	28.5	23.8	35.6

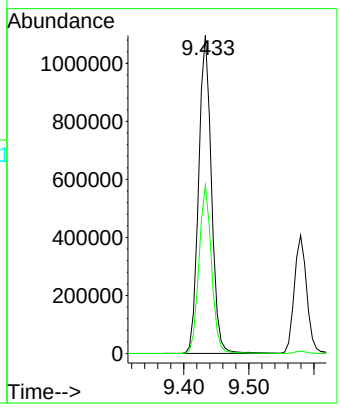




#59
2-Hexanone
Concen: 961.650 ug/l
RT: 9.433 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 43 Resp: 1493755

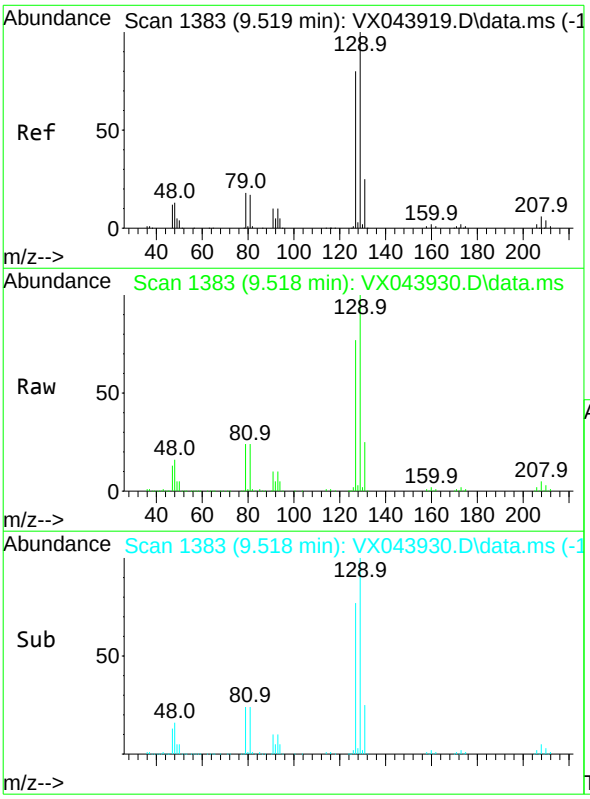
Ion	Ratio	Lower	Upper
43	100		
58	52.1	28.3	84.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

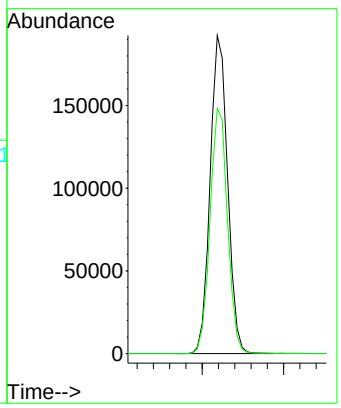
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

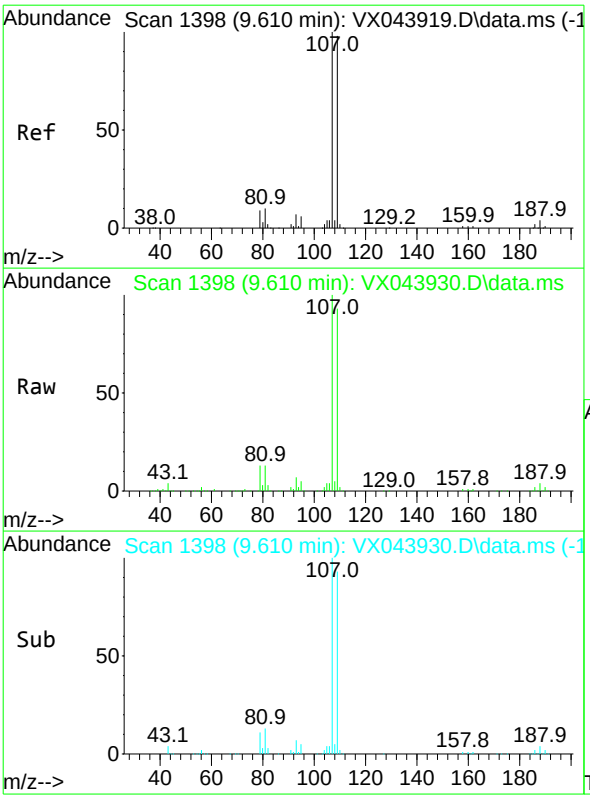


#60
Dibromochloromethane
Concen: 208.679 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:129 Resp: 286188

Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.6	115.8

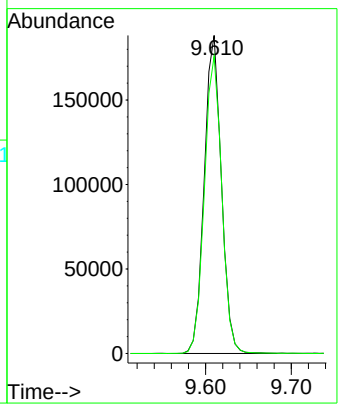




#61
1,2-Dibromoethane
Concen: 178.035 ug/l
RT: 9.610 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:107 Resp: 261369

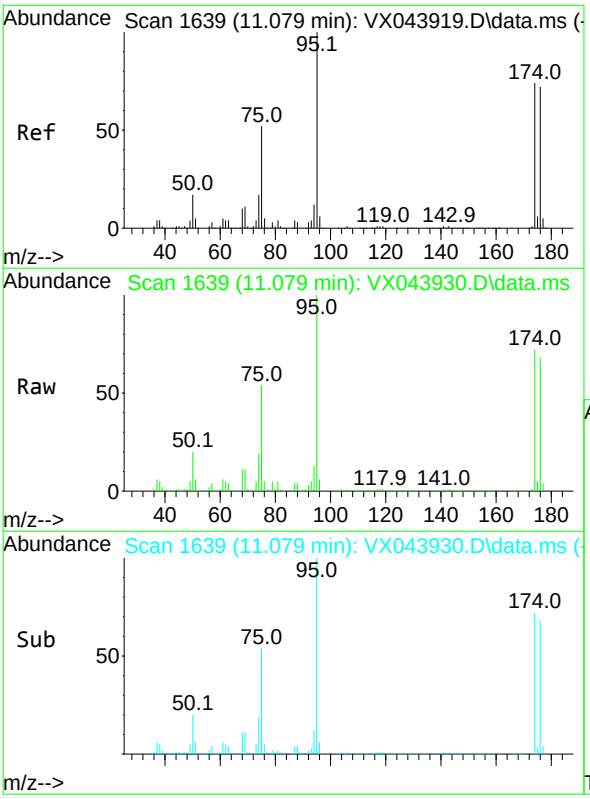
Ion	Ratio	Lower	Upper
107	100		
109	95.1	76.2	114.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

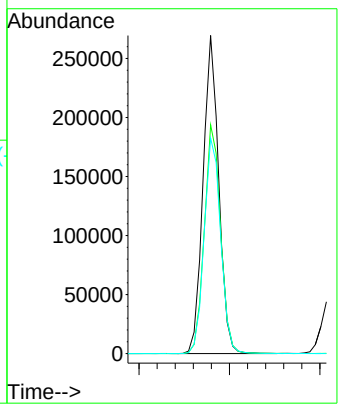
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

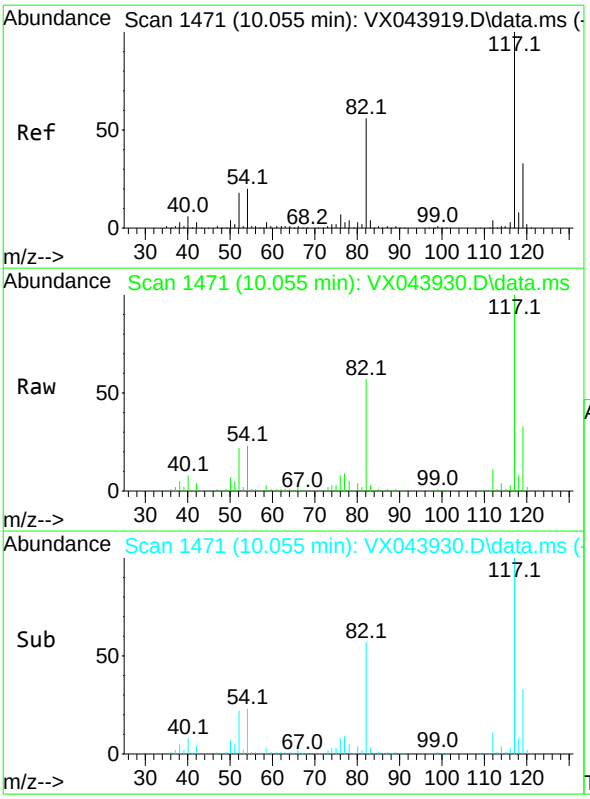


#62
4-Bromofluorobenzene
Concen: 184.279 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 95 Resp: 324612

Ion	Ratio	Lower	Upper
95	100		
174	74.6	0.0	152.2
176	71.4	0.0	145.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

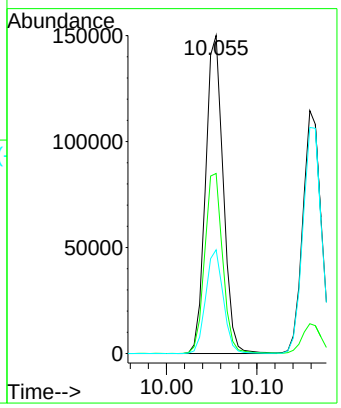
Tgt Ion:117 Resp: 203280

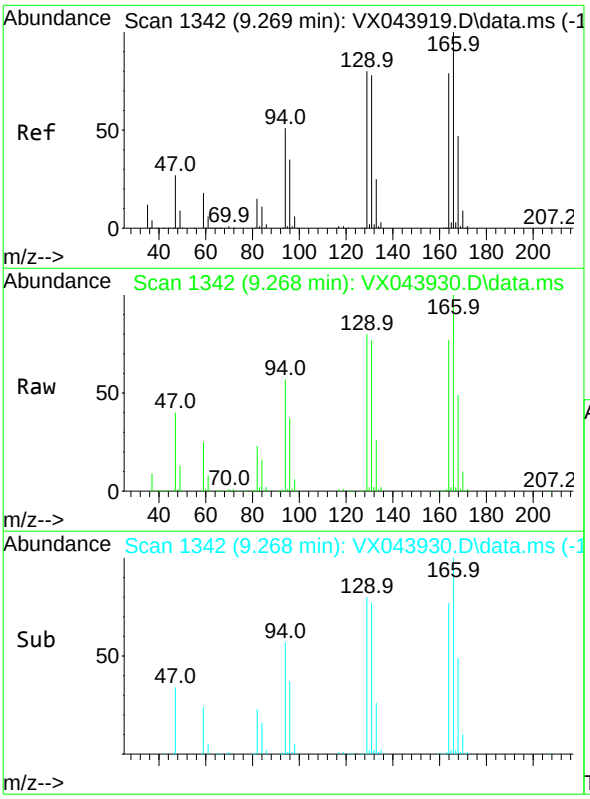
Ion	Ratio	Lower	Upper
117	100		
82	56.6	44.6	67.0
119	32.6	26.5	39.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

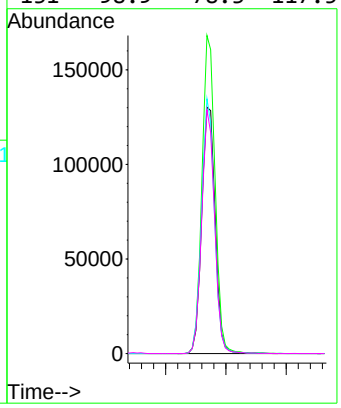


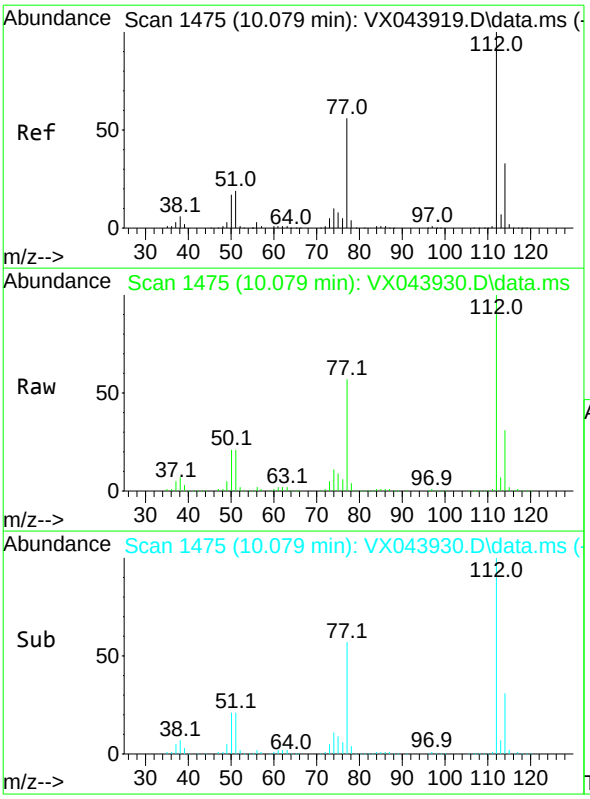


#64
Tetrachloroethene
Concen: 155.122 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:164 Resp: 202262

Ion	Ratio	Lower	Upper
164	100		
166	129.1	100.9	151.3
129	103.4	80.3	120.5
131	98.9	78.3	117.5

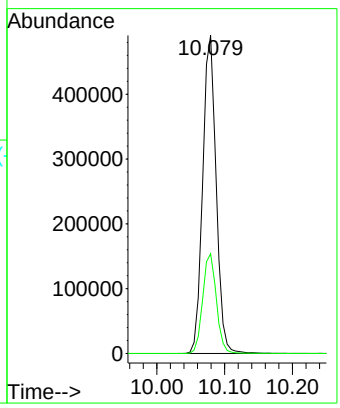




#65
Chlorobenzene
Concen: 159.085 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:112 Resp: 675513

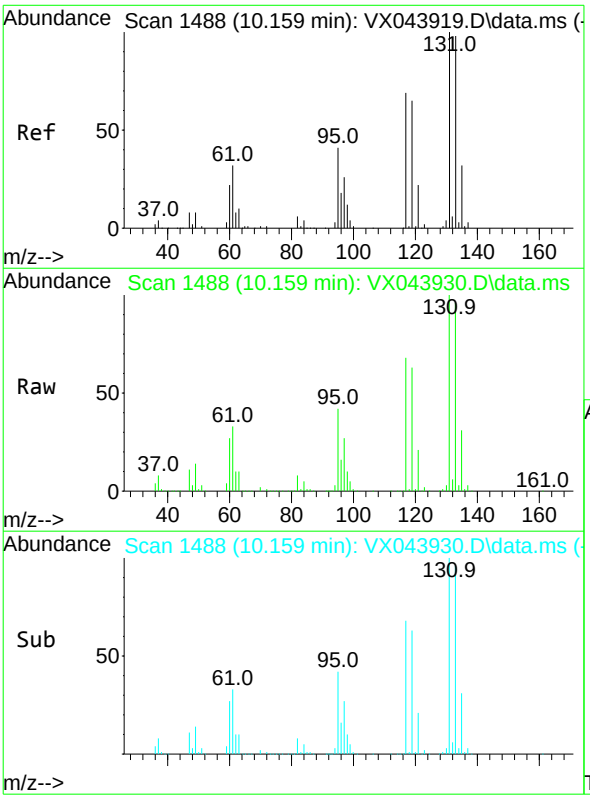
Ion	Ratio	Lower	Upper
112	100		
114	31.4	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

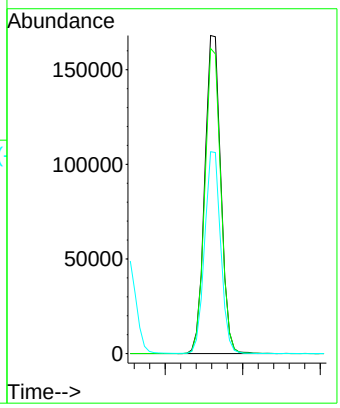
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

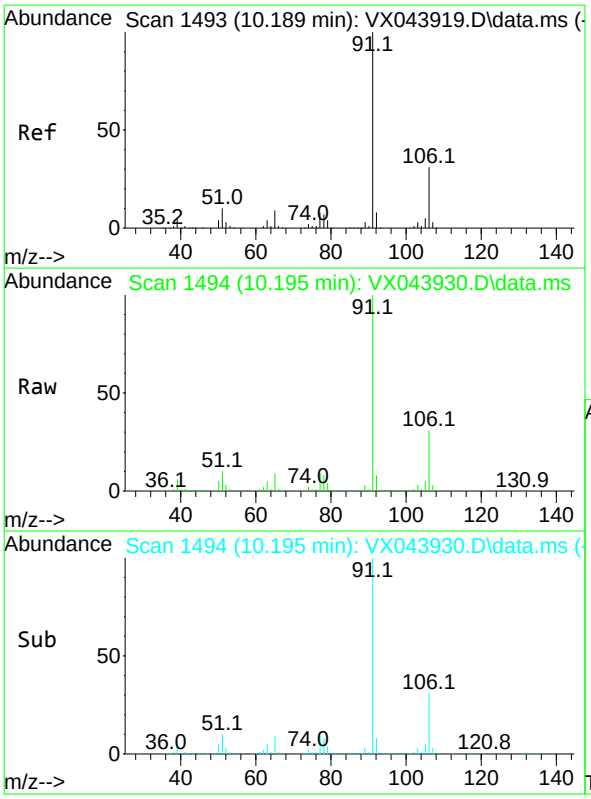


#66
1,1,1,2-Tetrachloroethane
Concen: 170.964 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:131 Resp: 241604

Ion	Ratio	Lower	Upper
131	100		
133	95.2	48.8	146.3
119	63.3	32.9	98.7

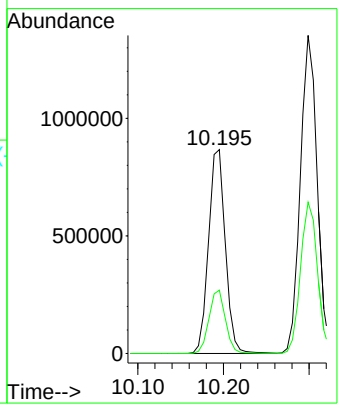




#67
Ethyl Benzene
Concen: 165.365 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 91 Resp: 1181693

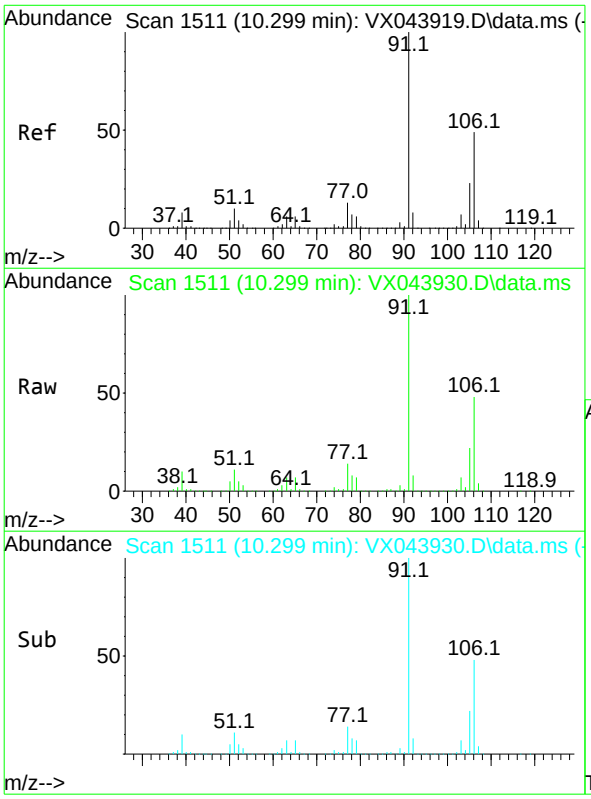
Ion	Ratio	Lower	Upper
91	100		
106	31.1	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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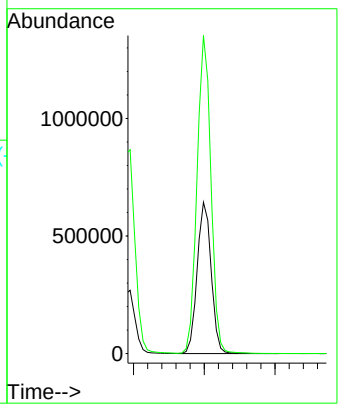
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

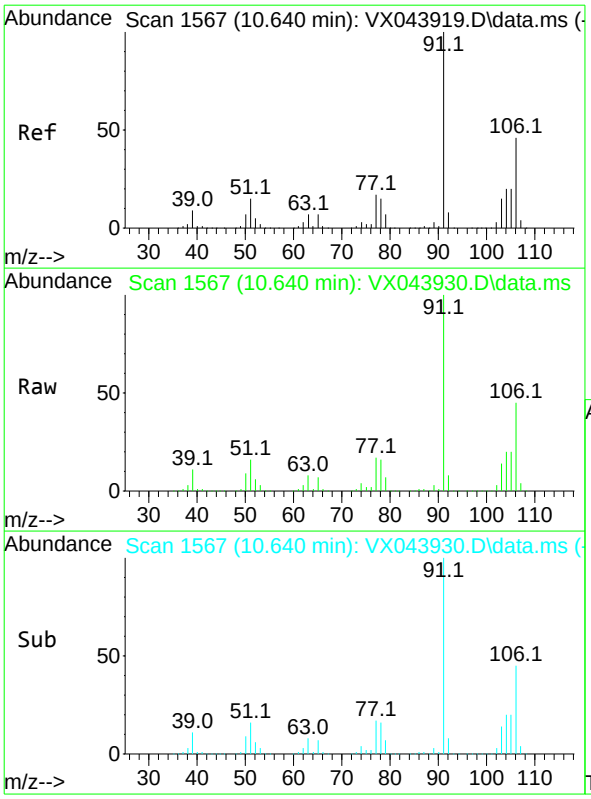


#68
m/p-Xylenes
Concen: 332.148 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:106 Resp: 884067

Ion	Ratio	Lower	Upper
106	100		
91	208.6	163.3	244.9

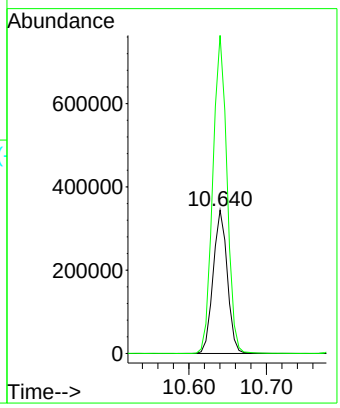




#69
o-Xylene
Concen: 168.240 ug/l
RT: 10.640 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:106 Resp: 436919

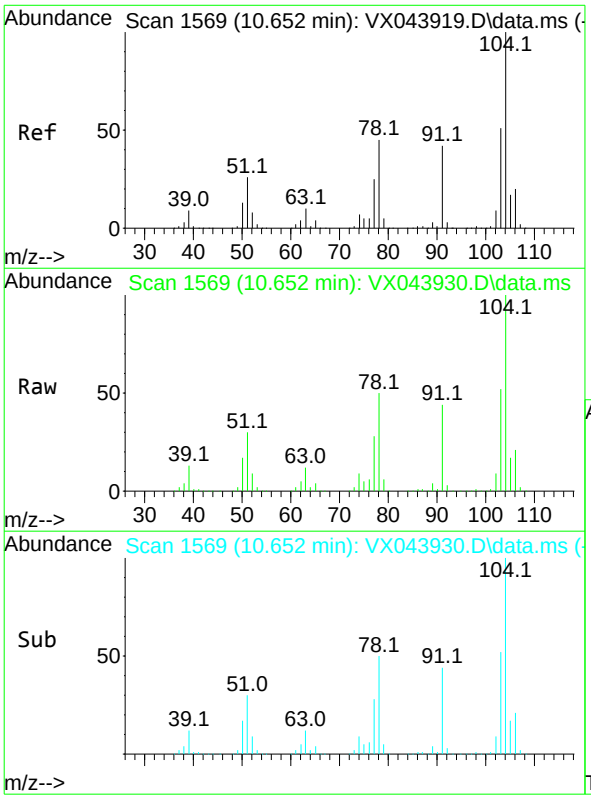
Ion	Ratio	Lower	Upper
106	100		
91	222.3	109.6	328.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

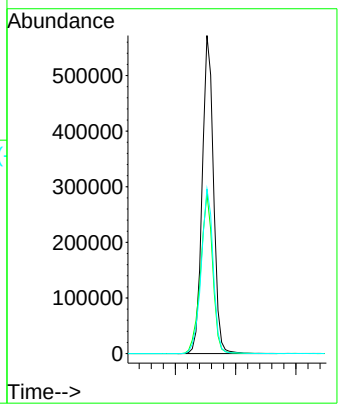
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

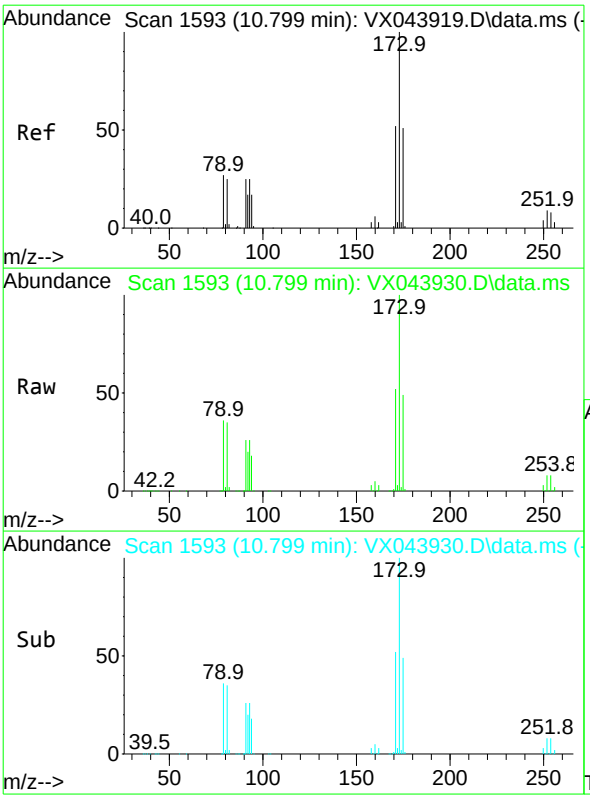


#70
Styrene
Concen: 173.379 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:104 Resp: 742061

Ion	Ratio	Lower	Upper
104	100		
78	54.2	40.3	60.5
103	55.2	43.9	65.9





#71
Bromoform
Concen: 161.632 ug/l
RT: 10.799 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

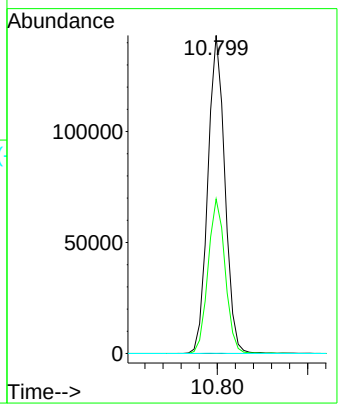
Tgt Ion:173 Resp: 186691

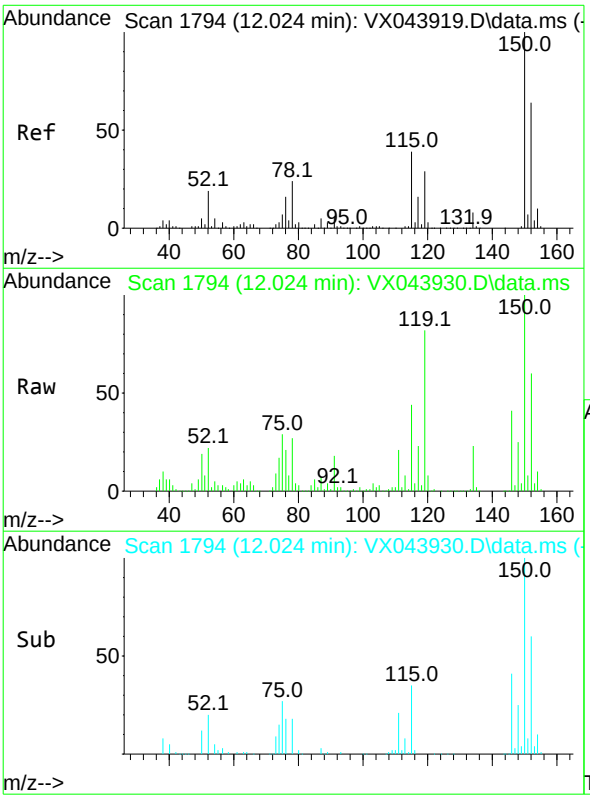
Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.6	73.8
254	0.1	0.1	0.1#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

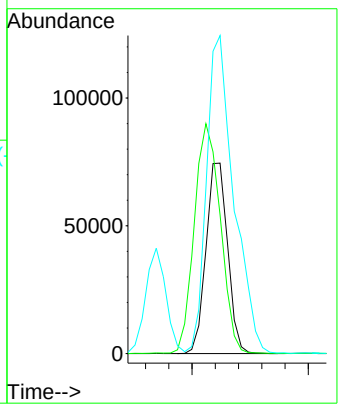


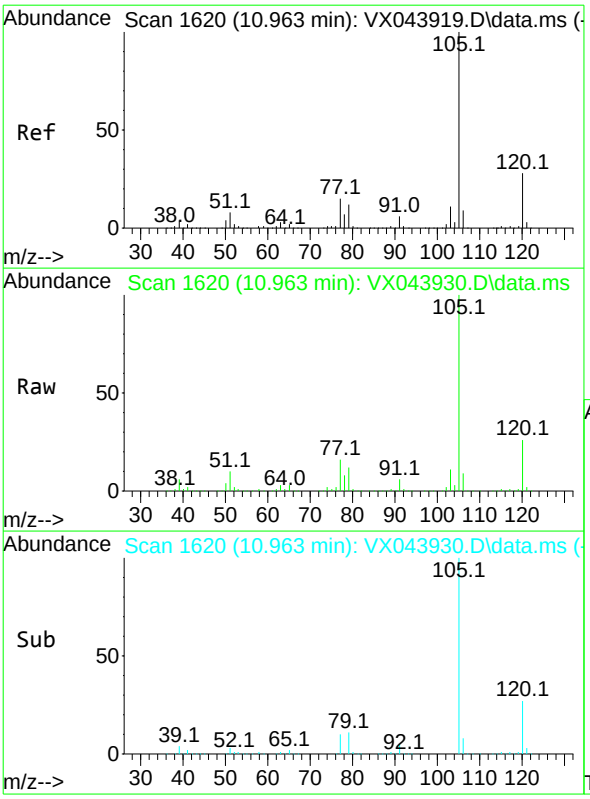


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:152 Resp: 96376

Ion	Ratio	Lower	Upper
152	100		
115	145.9	42.1	126.3#
150	210.2	0.0	348.2

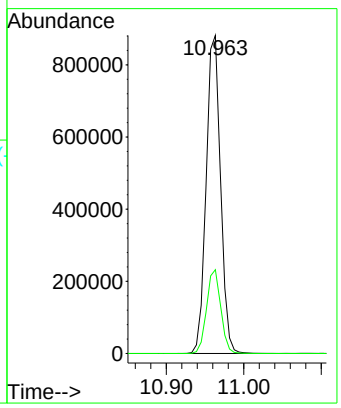




#73
Isopropylbenzene
Concen: 165.031 ug/l
RT: 10.963 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:105 Resp: 1135309

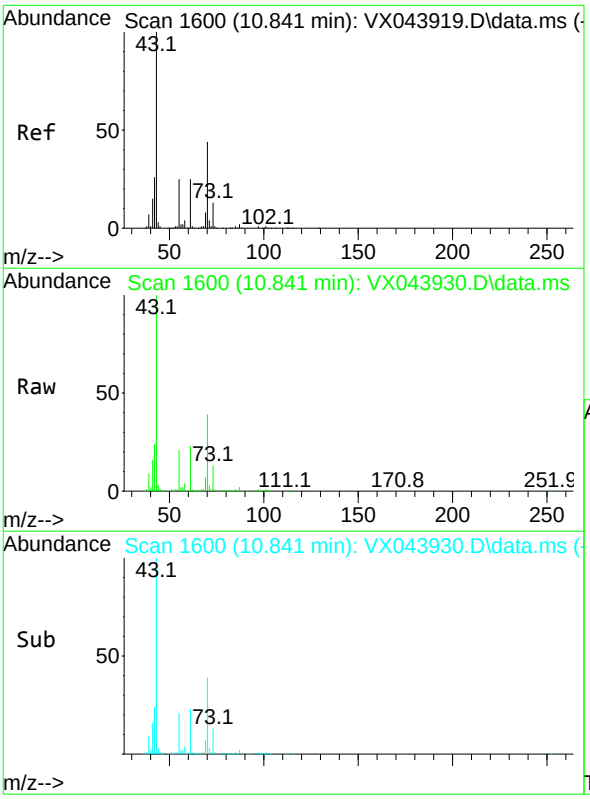
Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.3	39.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

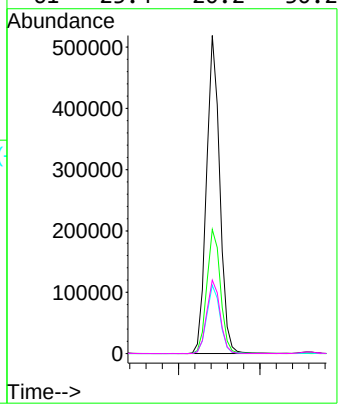
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

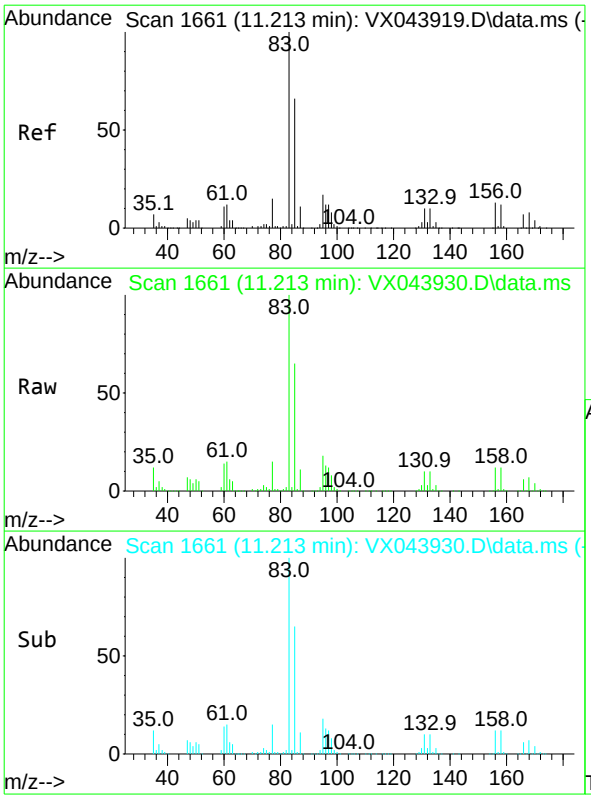


#74
N-amyl acetate
Concen: 159.995 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 43 Resp: 586560

Ion	Ratio	Lower	Upper
43	100		
70	40.1	36.5	54.7
55	21.7	19.6	29.4
61	23.4	20.2	30.2





#75
1,1,2,2-Tetrachloroethane
Concen: 163.351 ug/l
RT: 11.213 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

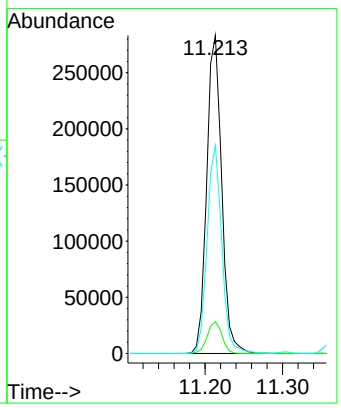
Tgt Ion: 83 Resp: 379947

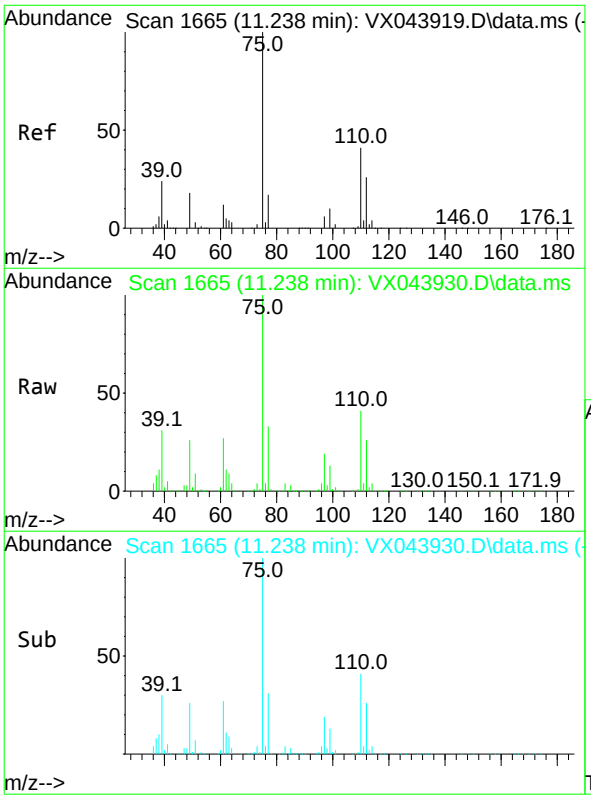
Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.1	15.3
85	64.1	32.3	96.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

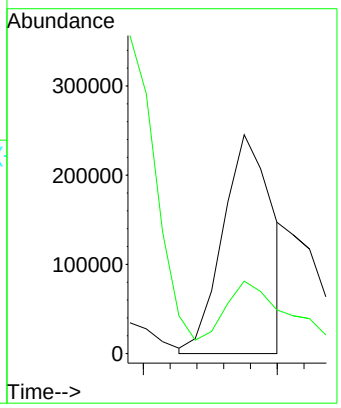


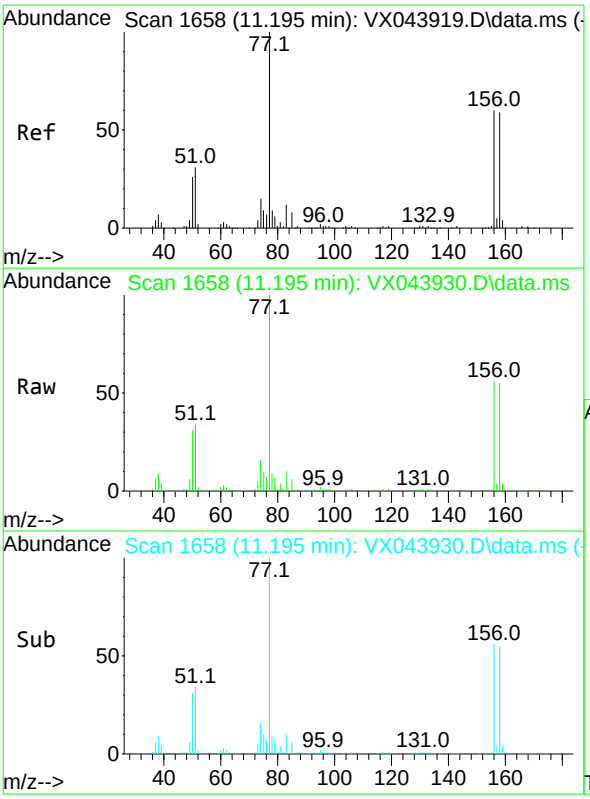


#76
1,2,3-Trichloropropane
Concen: 159.312 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 75 Resp: 313344

Ion	Ratio	Lower	Upper
75	100		
77	45.6	22.4	67.0





#77
Bromobenzene
Concen: 160.539 ug/l
RT: 11.195 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

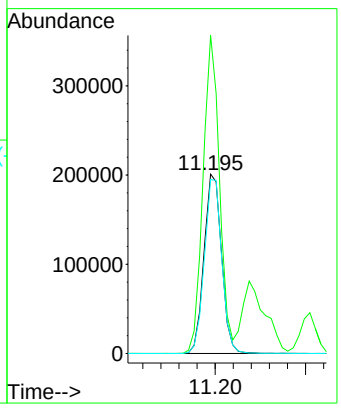
Tgt Ion:156 Resp: 270671

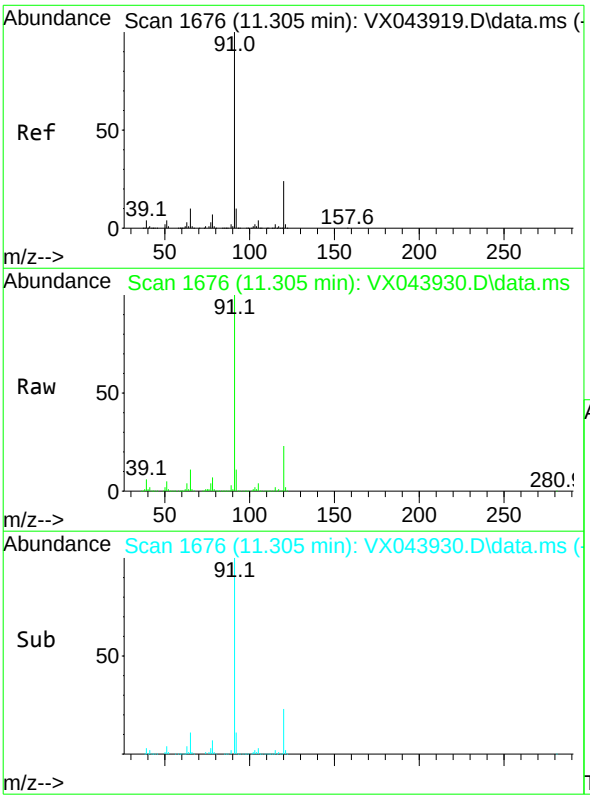
Ion	Ratio	Lower	Upper
156	100		
77	166.5	81.2	243.6
158	96.8	48.6	145.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

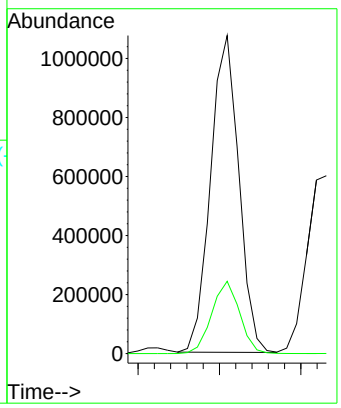


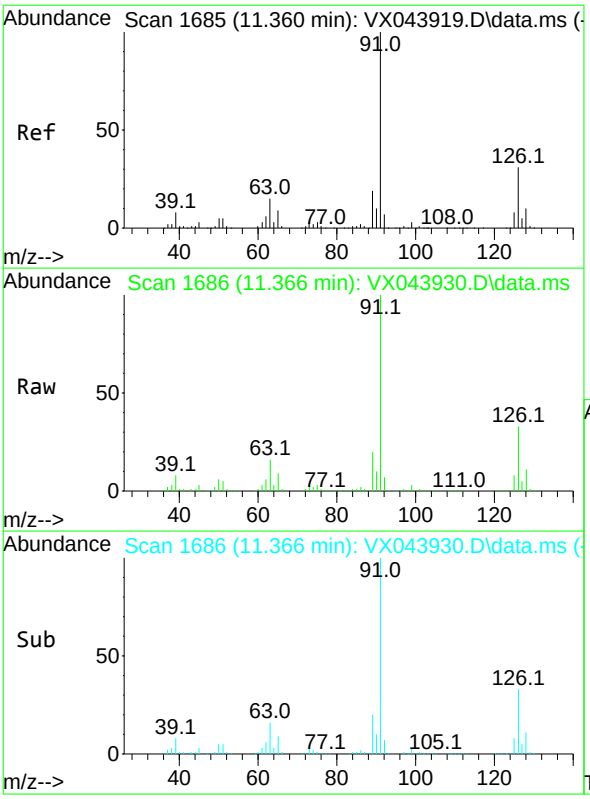


#78
n-propylbenzene
Concen: 170.866 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 91 Resp: 1296979

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.5	34.5

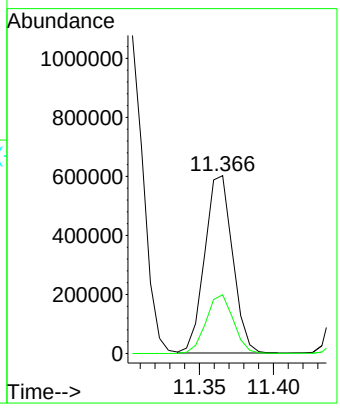




#79
2-Chlorotoluene
Concen: 163.185 ug/l
RT: 11.366 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 91 Resp: 788163

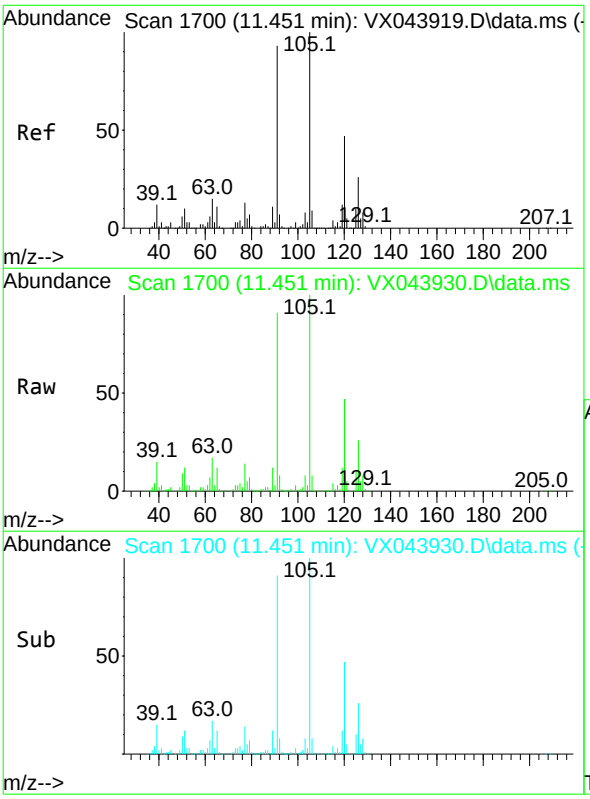
Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

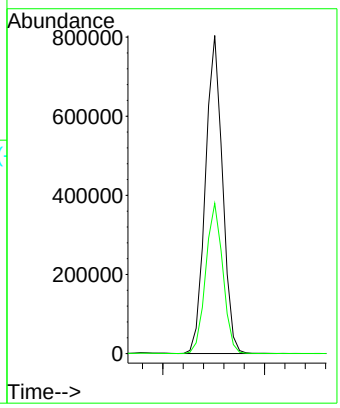
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

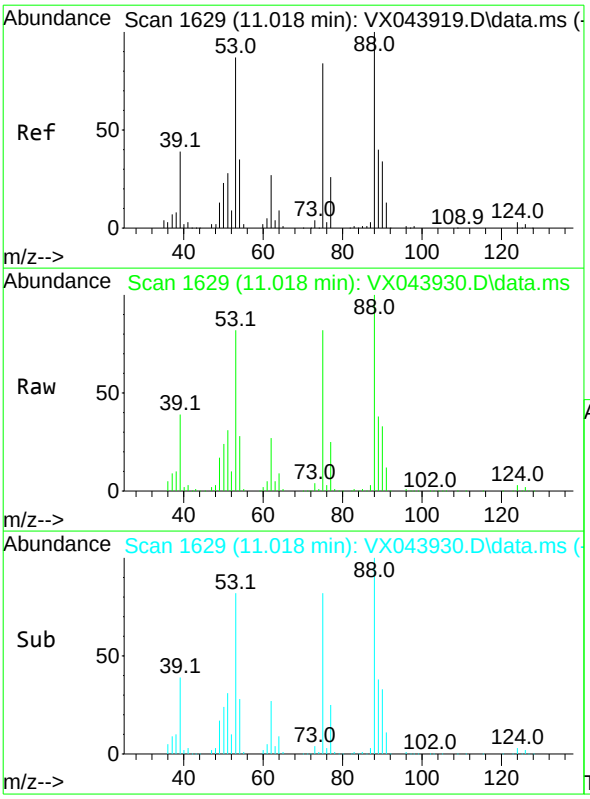


#80
1,3,5-Trimethylbenzene
Concen: 164.167 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:105 Resp: 936129

Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.8	71.5





#81
trans-1,4-Dichloro-2-butene
Concen: 161.734 ug/l
RT: 11.018 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

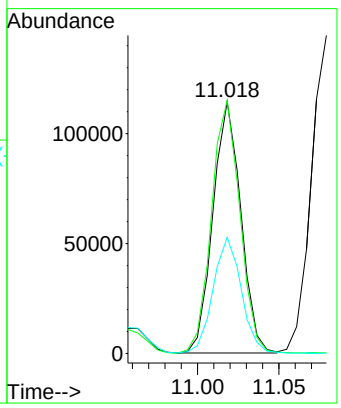
Tgt Ion: 75 Resp: 136104

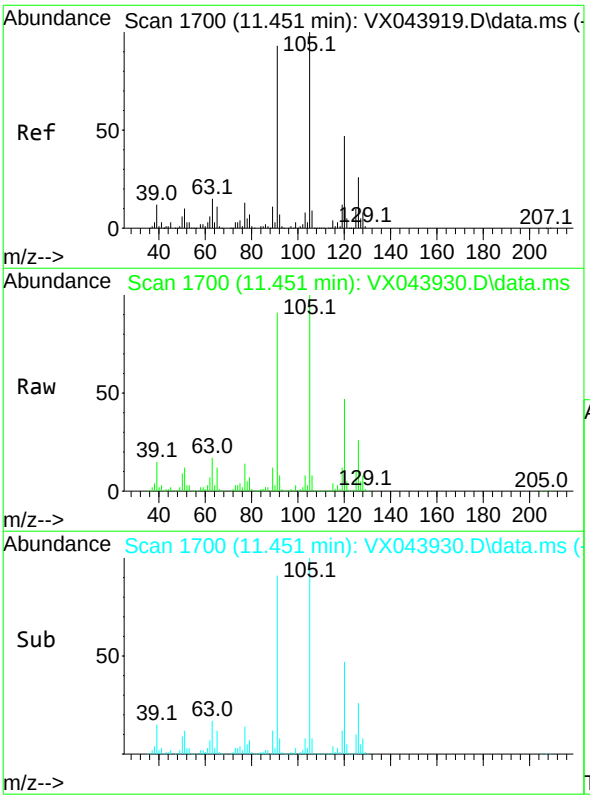
Ion	Ratio	Lower	Upper
75	100		
53	103.1	81.7	122.5
89	47.0	38.6	57.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

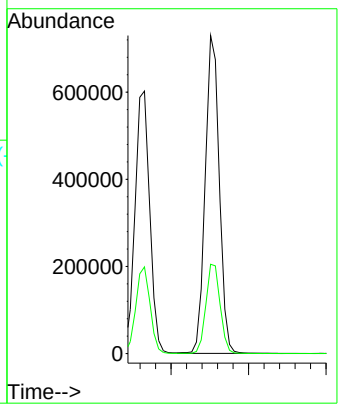


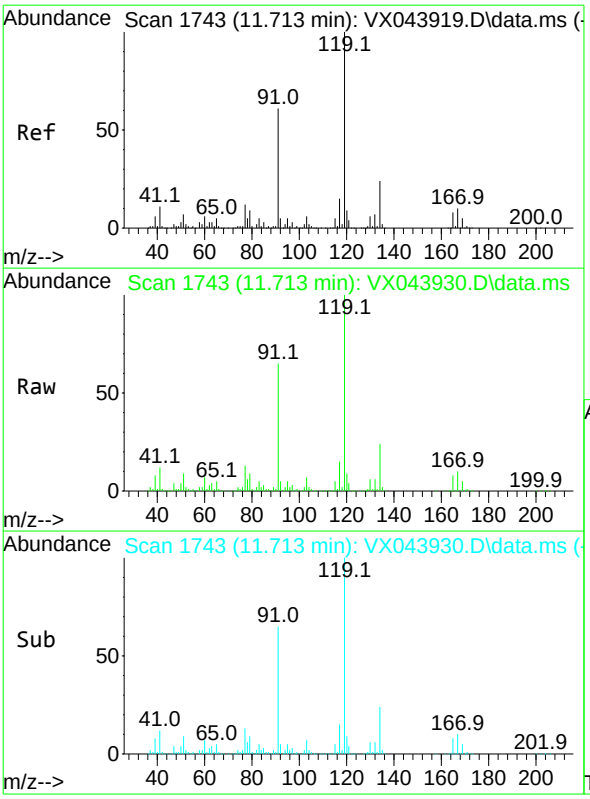


#82
4-Chlorotoluene
Concen: 165.319 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 91 Resp: 919566

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.4	43.2

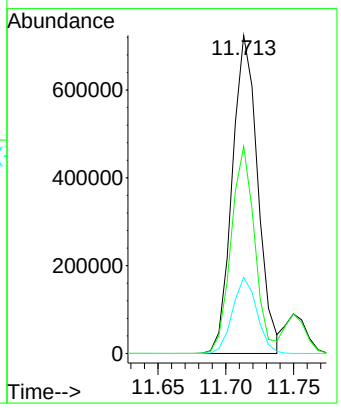




#83
tert-Butylbenzene
Concen: 162.017 ug/l
RT: 11.713 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:119 Resp: 945058

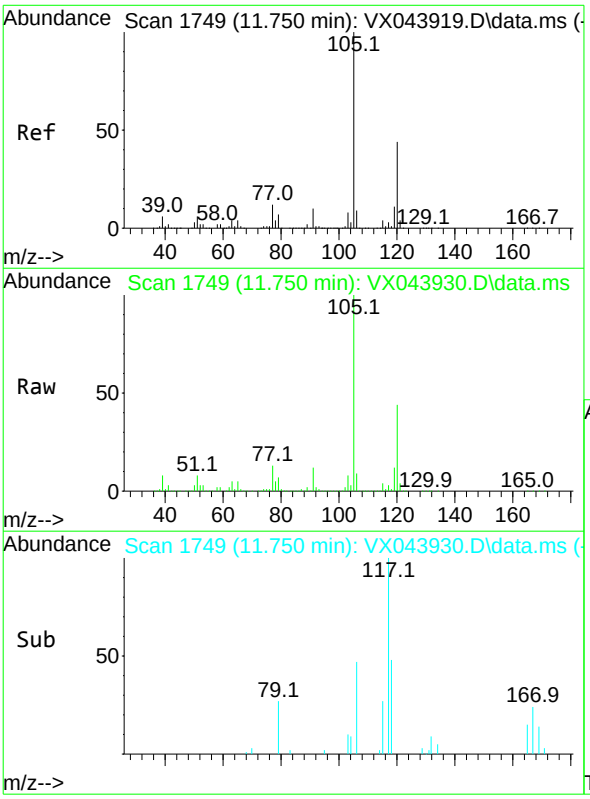
Ion	Ratio	Lower	Upper
119	100		
91	60.6	29.5	88.6
134	22.9	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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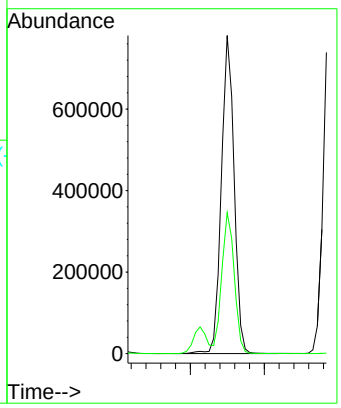
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

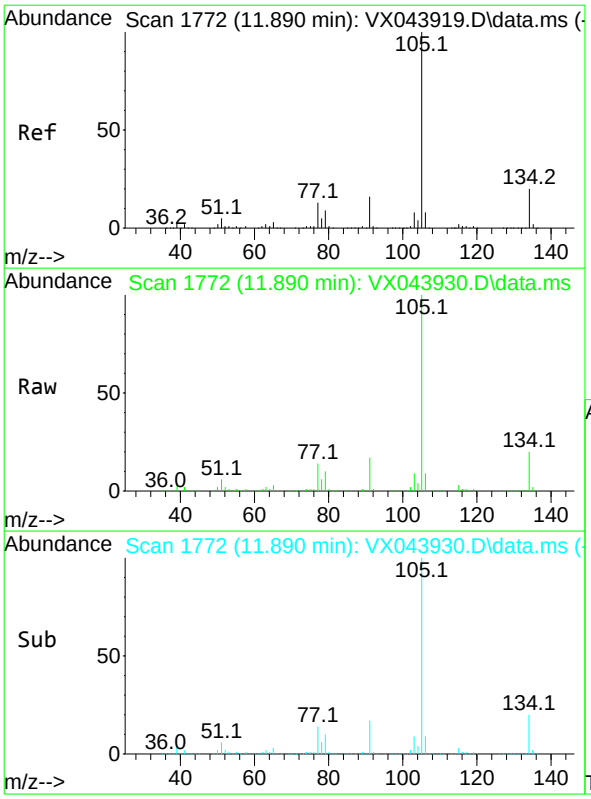


#84
1,2,4-Trimethylbenzene
Concen: 161.161 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:105 Resp: 933275

Ion	Ratio	Lower	Upper
105	100		
120	43.2	21.7	65.1

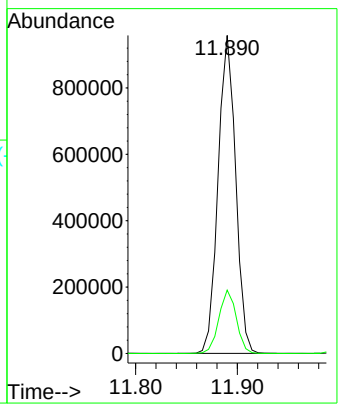




#85
sec-Butylbenzene
Concen: 164.934 ug/l
RT: 11.890 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:105 Resp: 1148877

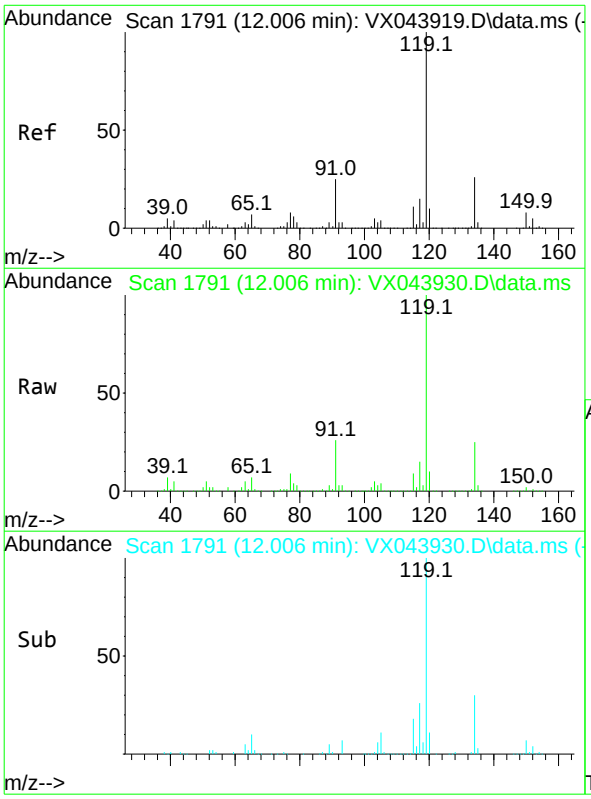
Ion	Ratio	Lower	Upper
105	100		
134	19.9	10.0	29.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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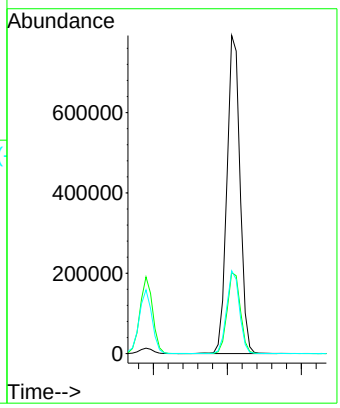
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

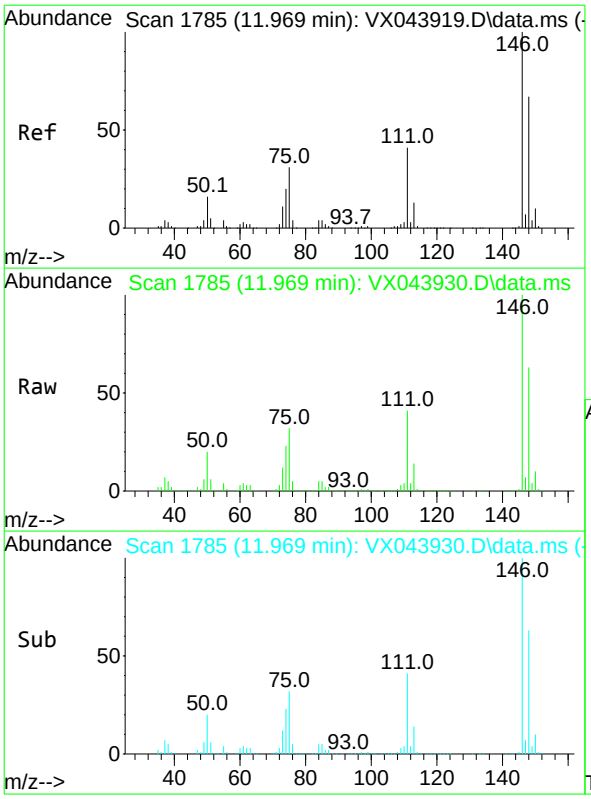


#86
p-Isopropyltoluene
Concen: 166.189 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:119 Resp: 972007

Ion	Ratio	Lower	Upper
119	100		
134	25.6	13.0	38.9
91	25.4	12.3	36.8

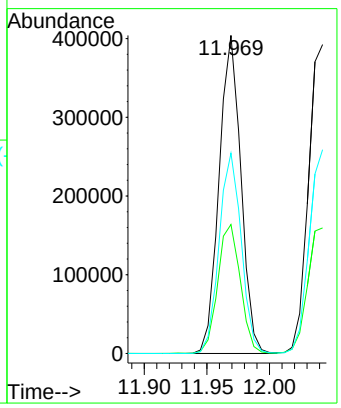




#87
1,3-Dichlorobenzene
Concen: 156.923 ug/l
RT: 11.969 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:146 Resp: 490336

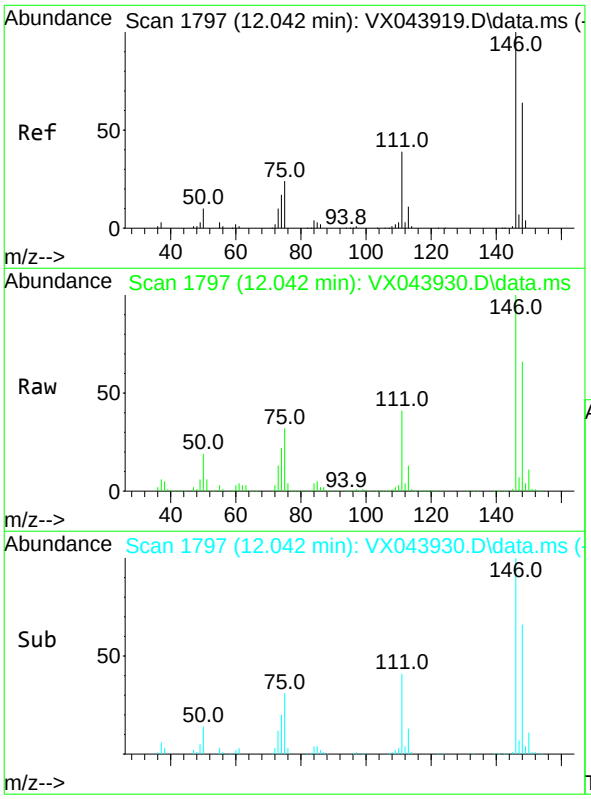
Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.8	62.2
148	63.8	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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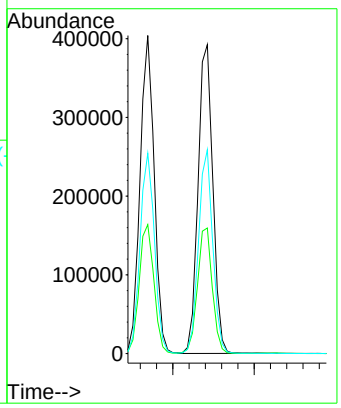
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

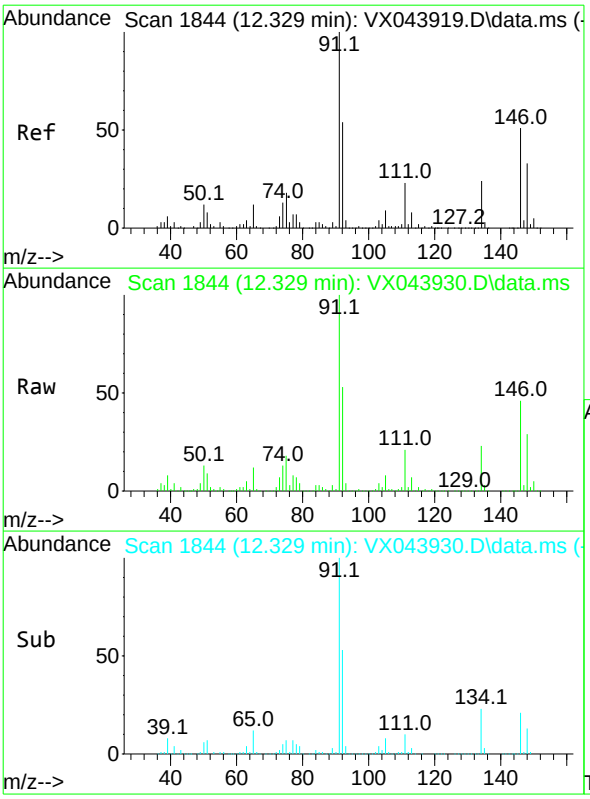


#88
1,4-Dichlorobenzene
Concen: 154.301 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:146 Resp: 494318

Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.1	60.2
148	63.5	32.2	96.6





#89
n-Butylbenzene
Concen: 181.353 ug/l
RT: 12.329 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

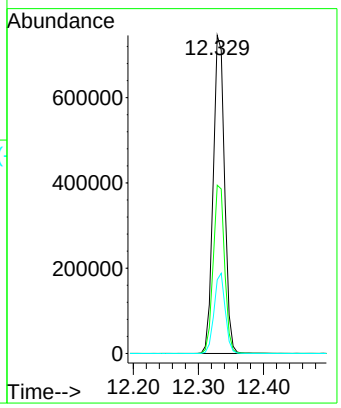
Tgt Ion: 91 Resp: 903805

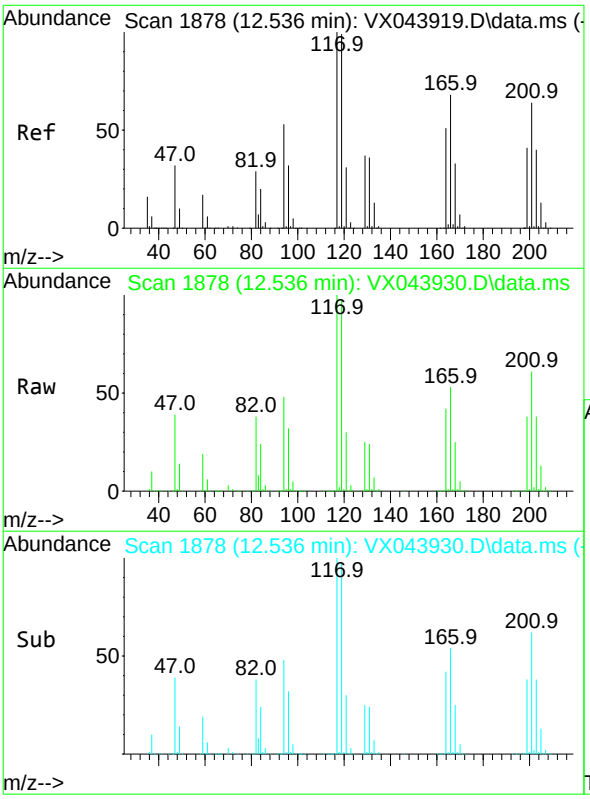
Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.9	80.6
134	24.8	12.9	38.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

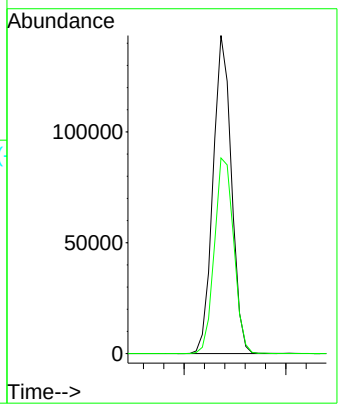


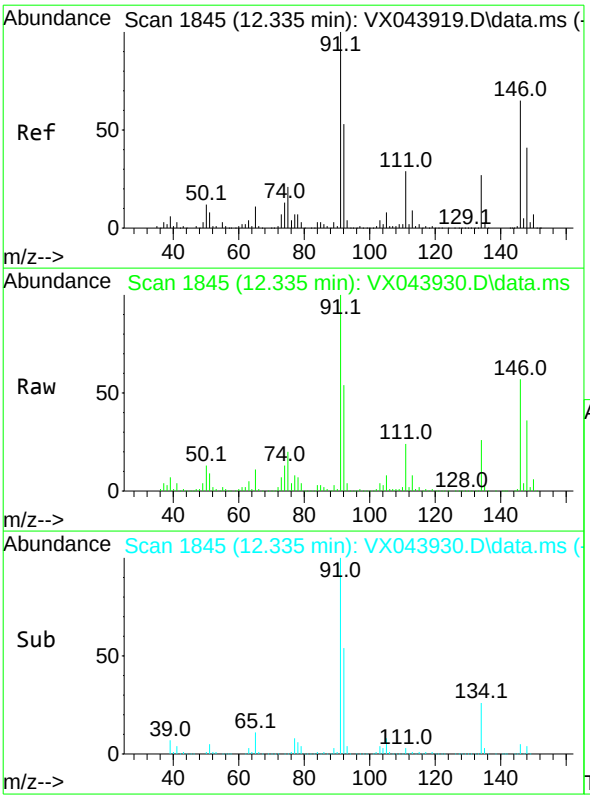


#90
Hexachloroethane
Concen: 151.823 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:117 Resp: 180575

Ion	Ratio	Lower	Upper
117	100		
201	64.6	34.1	102.3





#91
1,2-Dichlorobenzene
Concen: 153.818 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

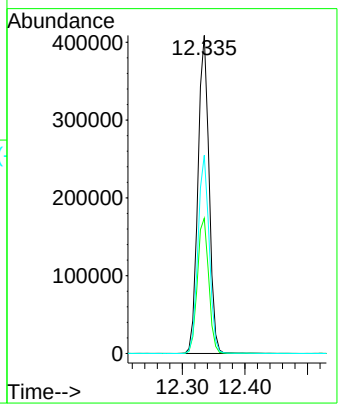
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

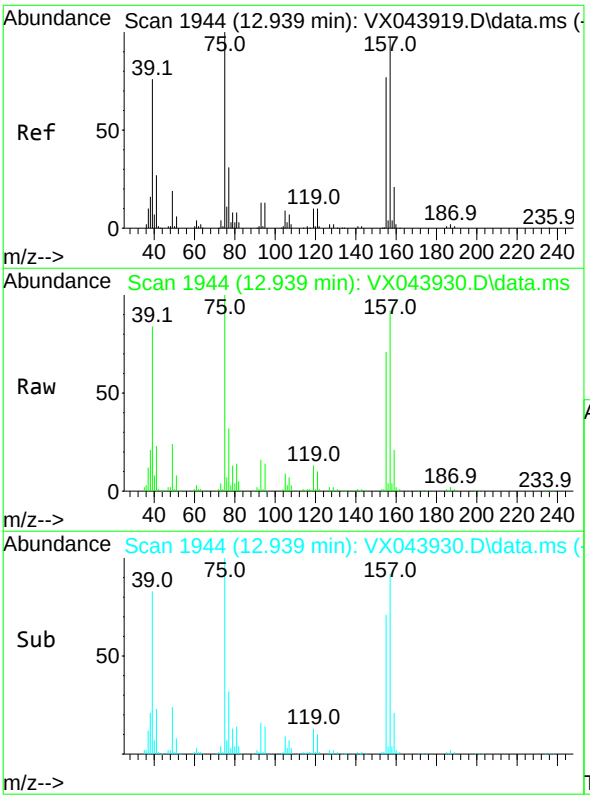
Tgt Ion:146 Resp: 503214

Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.7	65.1
148	62.6	31.6	94.7

Manual Integrations
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Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

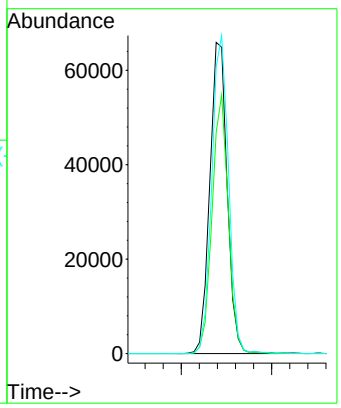


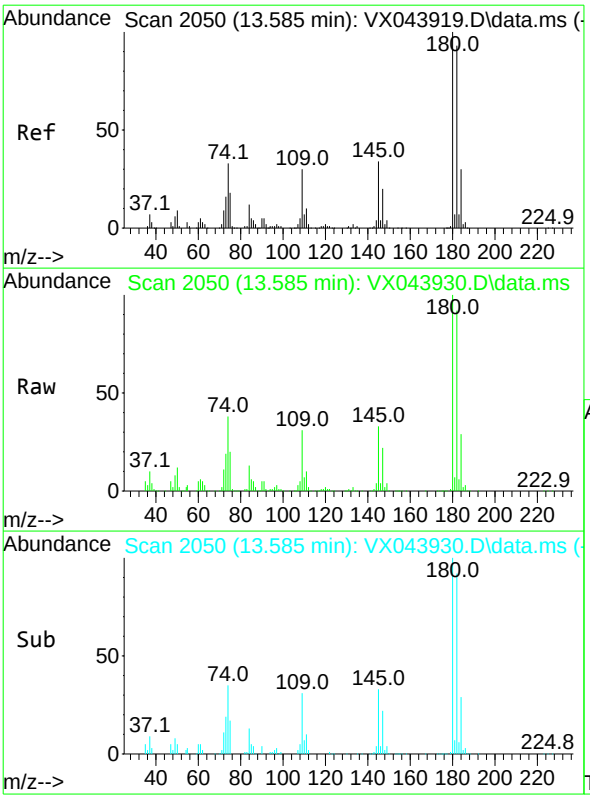


#92
1,2-Dibromo-3-Chloropropane
Concen: 146.019 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 75 Resp: 87963

Ion	Ratio	Lower	Upper
75	100		
155	77.7	40.8	122.5
157	98.7	54.3	162.9





#93
1,2,4-Trichlorobenzene
Concen: 170.137 ug/l
RT: 13.585 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

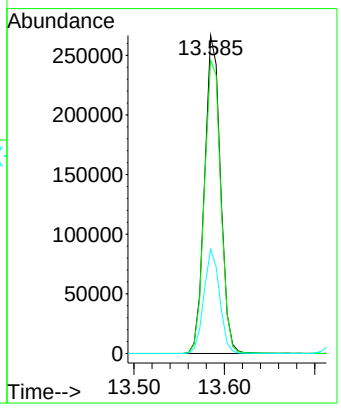
Tgt Ion:180 Resp: 325289

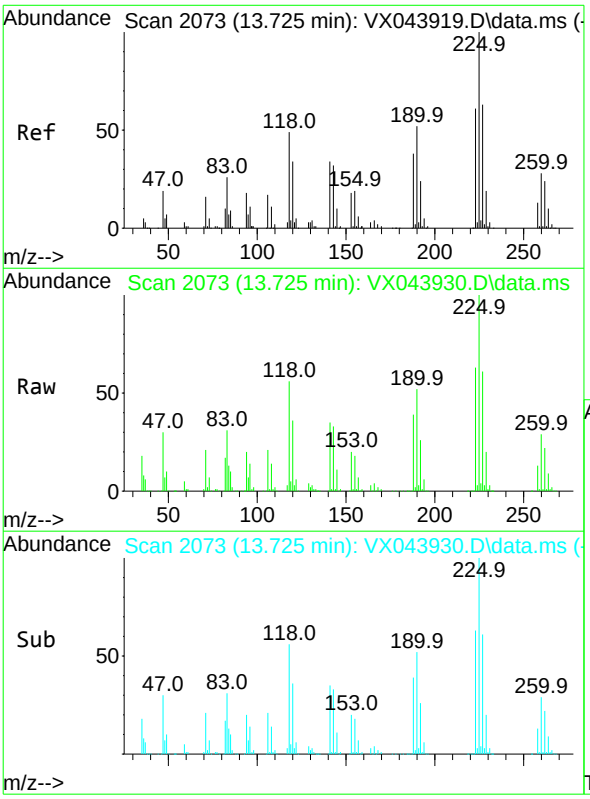
Ion	Ratio	Lower	Upper
180	100		
182	95.1	46.8	140.4
145	32.5	16.4	49.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

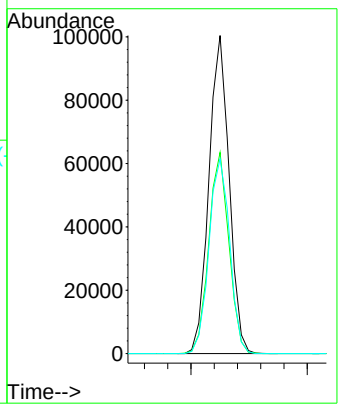


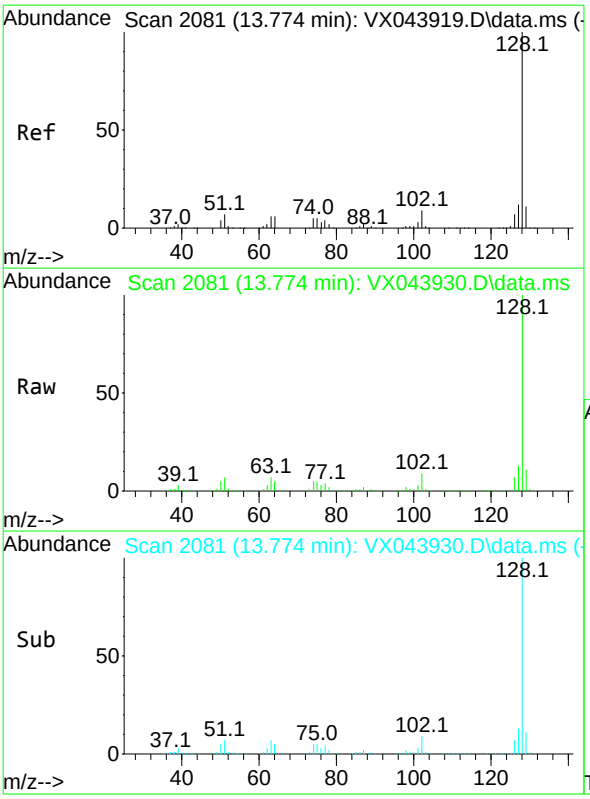


#94
Hexachlorobutadiene
Concen: 154.589 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:225 Resp: 121126

Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.1	93.3
227	62.8	29.8	89.5

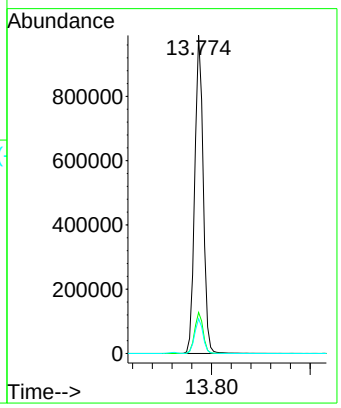




#95
Naphthalene
Concen: 164.565 ug/l
RT: 13.774 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:128 Resp: 1173154

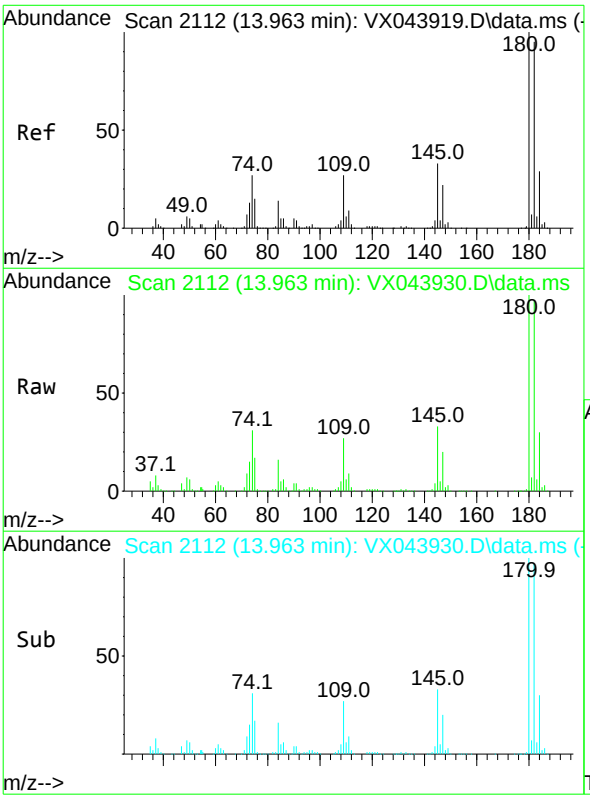
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.1	15.1
129	10.9	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

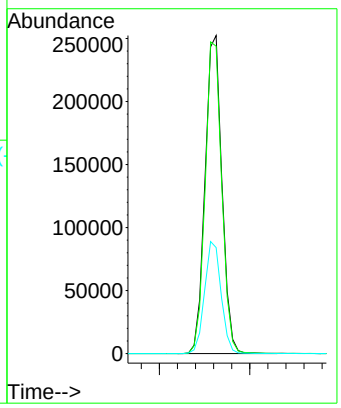
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#96
1,2,3-Trichlorobenzene
Concen: 164.001 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:180 Resp: 326693

Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.6	142.8
145	34.6	17.4	52.2



Quantitation Report (Not Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043932.D
Acq On : 21 Nov 2024 13:57
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 21 14:28:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 13:34:26 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	131073	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	229009	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	198776	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	96489	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	112818	50.183	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.360%			
35) Dibromofluoromethane	5.379	113	85815	52.442	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.880%			
50) Toluene-d8	8.647	98	289000	51.234	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.460%			
62) 4-Bromofluorobenzene	11.079	95	103640	53.987	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.980%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	83916	50.537	ug/l	97
3) Chloromethane	1.295	50	85795	49.100	ug/l	98
4) Vinyl Chloride	1.374	62	93147	50.118	ug/l	97
5) Bromomethane	1.593	94	53783	47.040	ug/l	97
6) Chloroethane	1.660	64	46342	40.921	ug/l	97
7) Trichlorofluoromethane	1.868	101	177461	53.407	ug/l	99
8) Diethyl Ether	2.130	74	57339	47.345	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.313	101	80458	50.762	ug/l	95
10) Methyl Iodide	2.441	142	96234	48.614	ug/l	95
11) Tert butyl alcohol	2.995	59	85927	227.811	ug/l	100
12) 1,1-Dichloroethene	2.307	96	72787	48.192	ug/l	91
13) Acrolein	2.233	56	89571	235.500	ug/l	99
14) Allyl chloride	2.654	41	127367	51.610	ug/l	91
15) Acrylonitrile	3.063	53	227832	259.090	ug/l	98
16) Acetone	2.386	43	257802	249.676	ug/l	92
17) Carbon Disulfide	2.496	76	153826	49.375	ug/l	99
18) Methyl Acetate	2.703	43	121774	50.643	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	275221	50.186	ug/l	99
20) Methylene Chloride	2.782	84	82274	46.954	ug/l	95
21) trans-1,2-Dichloroethene	3.081	96	76687	49.179	ug/l	94
22) Diisopropyl ether	3.758	45	264554	50.132	ug/l	91
23) Vinyl Acetate	3.715	43	1189170	263.425	ug/l	97
24) 1,1-Dichloroethane	3.599	63	153635	50.466	ug/l	98
25) 2-Butanone	4.556	43	348803	261.804	ug/l	96
26) 2,2-Dichloropropane	4.459	77	143910	52.343	ug/l	96
27) cis-1,2-Dichloroethene	4.477	96	95076	49.326	ug/l	94
28) Bromochloromethane	4.891	49	62874	46.920	ug/l	92
29) Tetrahydrofuran	5.001	42	207942	254.625	ug/l	98
30) Chloroform	5.080	83	163357	49.891	ug/l	96
31) Cyclohexane	5.458	56	128482	51.278	ug/l	95
32) 1,1,1-Trichloroethane	5.373	97	144908	51.320	ug/l	98
36) 1,1-Dichloropropene	5.678	75	108518	53.218	ug/l	98
37) Ethyl Acetate	4.709	43	133283	54.253	ug/l	95
38) Carbon Tetrachloride	5.660	117	118655	51.786	ug/l	96
39) Methylcyclohexane	7.373	83	141696	53.489	ug/l	97
40) Benzene	6.025	78	319222	50.257	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043932.D
Acq On : 21 Nov 2024 13:57
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 21 14:28:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 13:34:26 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.916	41	69766	53.357 ug/l	96
42) 1,2-Dichloroethane	6.074	62	128623	50.421 ug/l	97
43) Isopropyl Acetate	6.336	43	207332	51.469 ug/l	95
44) Trichloroethene	7.117	130	80113	44.554 ug/l	98
45) 1,2-Dichloropropane	7.422	63	74380	47.811 ug/l	100
46) Dibromomethane	7.574	93	62345	50.662 ug/l	97
47) Bromodichloromethane	7.818	83	116199	52.648 ug/l	98
48) Methyl methacrylate	7.690	41	101062	54.369 ug/l	88
49) 1,4-Dioxane	7.659	88	31178	1060.791 ug/l #	71
51) 4-Methyl-2-Pentanone	8.574	43	652721	265.520 ug/l	95
52) Toluene	8.714	92	195814	51.507 ug/l	98
53) t-1,3-Dichloropropene	8.976	75	119461	53.077 ug/l	97
54) cis-1,3-Dichloropropene	8.360	75	128808	52.205 ug/l	93
55) 1,1,2-Trichloroethane	9.147	97	78575	50.069 ug/l	96
56) Ethyl methacrylate	9.116	69	129841	53.118 ug/l #	88
57) 1,3-Dichloropropane	9.305	76	134680	50.945 ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	315358	238.224 ug/l	98
59) 2-Hexanone	9.427	43	504444	273.011 ug/l	94
60) Dibromochloromethane	9.519	129	82754	52.557 ug/l	100
61) 1,2-Dibromoethane	9.604	107	83098	52.367 ug/l	99
64) Tetrachloroethene	9.269	164	66054	50.396 ug/l	96
65) Chlorobenzene	10.073	112	209963	48.094 ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	74354	52.515 ug/l	96
67) Ethyl Benzene	10.189	91	377215	50.991 ug/l	99
68) m/p-Xylenes	10.299	106	282971	102.572 ug/l	97
69) o-Xylene	10.640	106	138437	51.396 ug/l	97
70) Styrene	10.653	104	230449	51.728 ug/l	97
71) Bromoform	10.799	173	50837	44.797 ug/l #	100
73) Isopropylbenzene	10.957	105	365084	49.222 ug/l	98
74) N-amyl acetate	10.842	43	176627	51.406 ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.214	83	125346	49.356 ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	139865	66.099 ug/l	81
77) Bromobenzene	11.195	156	85070	48.081 ug/l	99
78) n-propylbenzene	11.305	91	419586	50.652 ug/l	99
79) 2-Chlorotoluene	11.360	91	249079	47.551 ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	305922	50.134 ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	38583	49.756 ug/l	94
82) 4-Chlorotoluene	11.451	91	287717	48.652 ug/l	100
83) tert-Butylbenzene	11.713	119	303408	50.165 ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	306251	50.410 ug/l	99
85) sec-Butylbenzene	11.890	105	372793	50.307 ug/l	100
86) p-Isopropyltoluene	12.006	119	310060	51.511 ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	153164	47.529 ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	155422	48.010 ug/l	99
89) n-Butylbenzene	12.329	91	276075	52.020 ug/l	98
90) Hexachloroethane	12.536	117	51229	50.050 ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	154980	47.656 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	25968	51.030 ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	94896	49.495 ug/l	99
94) Hexachlorobutadiene	13.725	225	37937	50.065 ug/l	98
95) Naphthalene	13.774	128	357725	51.831 ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	99447	51.246 ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043932.D
Acq On : 21 Nov 2024 13:57
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Quant Time: Nov 21 14:28:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 13:34:26 2024
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

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

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

ICAL Form

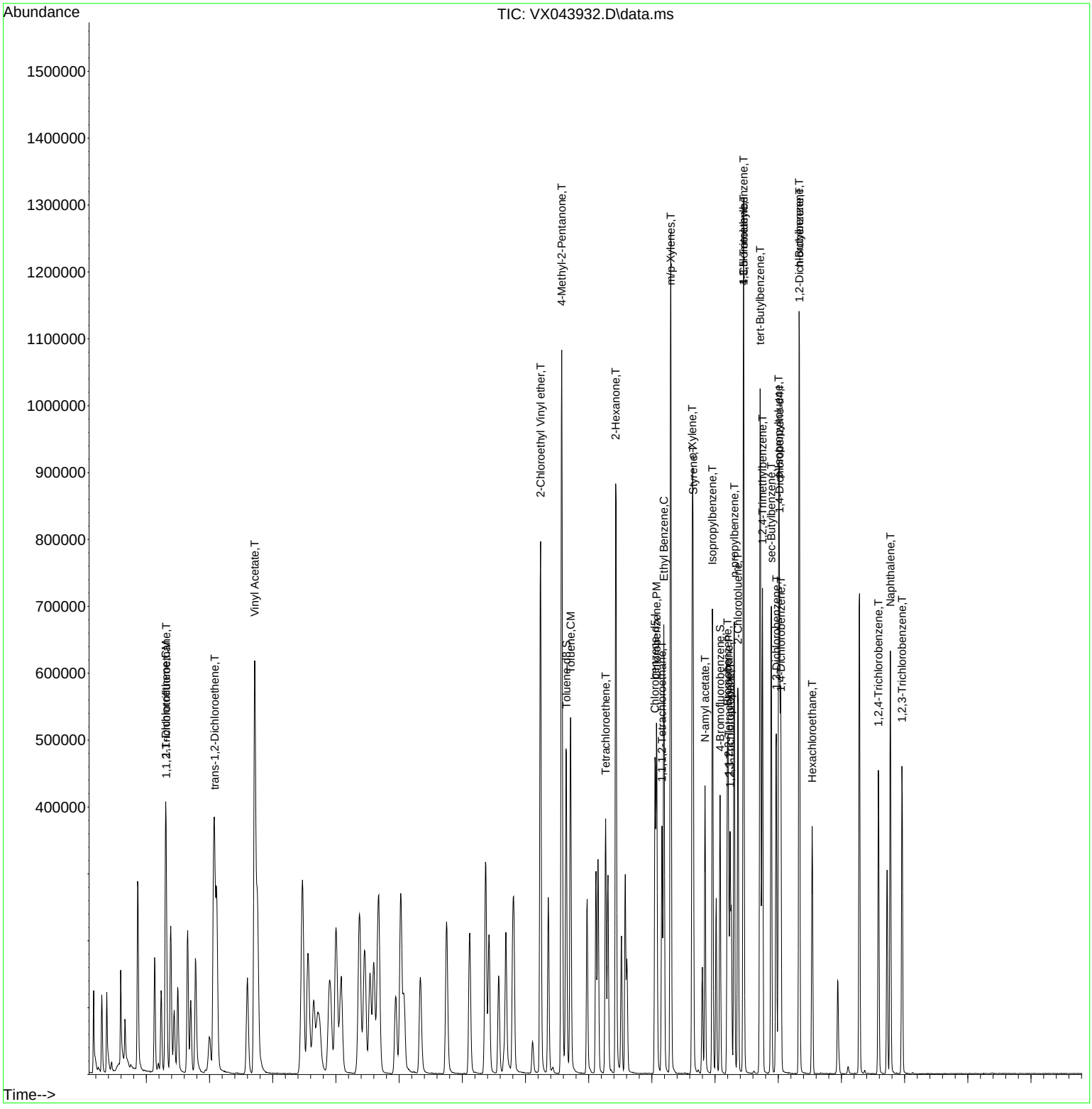
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043932.D
Acq On : 21 Nov 2024 13:57
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

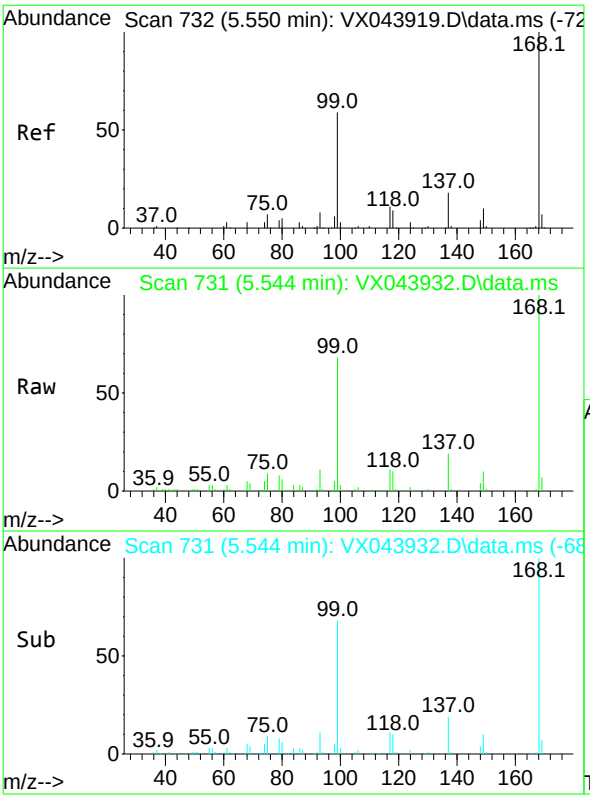
Quant Time: Nov 21 14:28:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 13:34:26 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

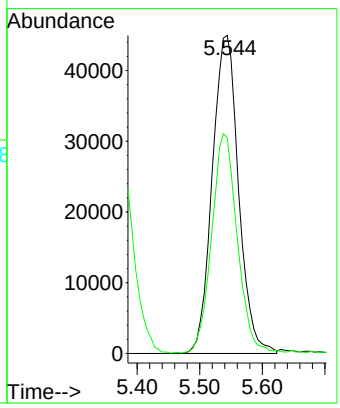




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:168 Resp: 131073

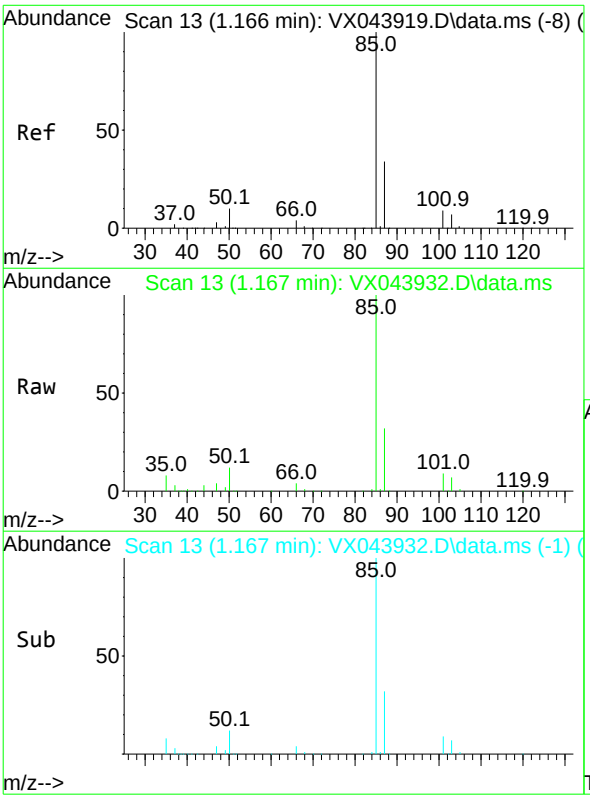
Ion	Ratio	Lower	Upper
168	100		
99	67.5	46.9	70.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

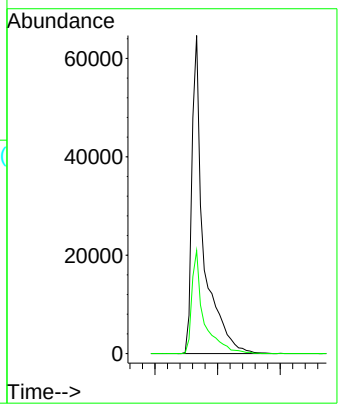
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

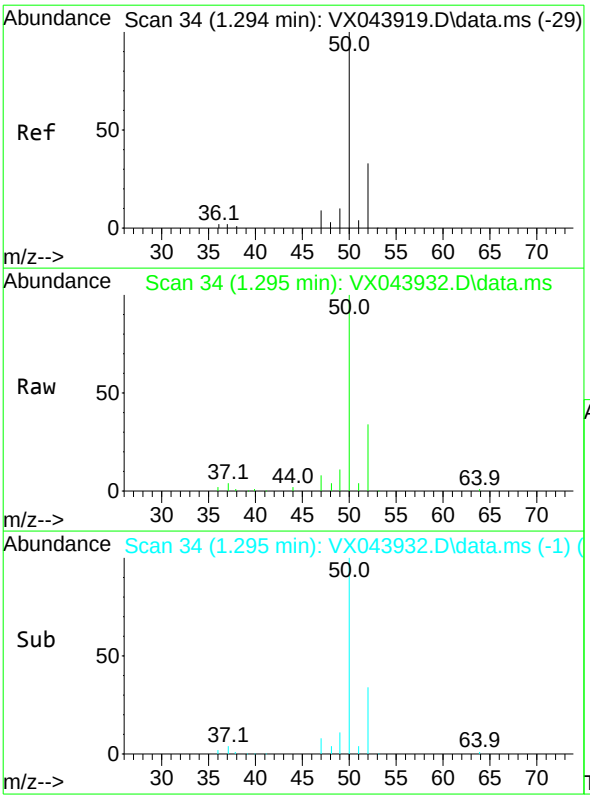


#2
Dichlorodifluoromethane
Concen: 50.537 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.001 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 85 Resp: 83916

Ion	Ratio	Lower	Upper
85	100		
87	32.4	17.1	51.2

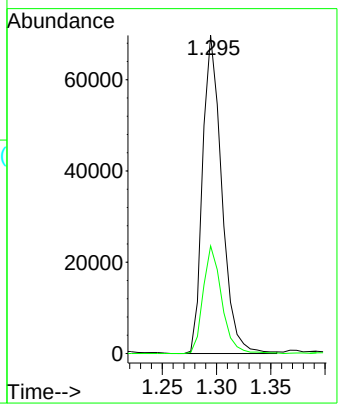




#3
Chloromethane
Concen: 49.100 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.001 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 50 Resp: 85795

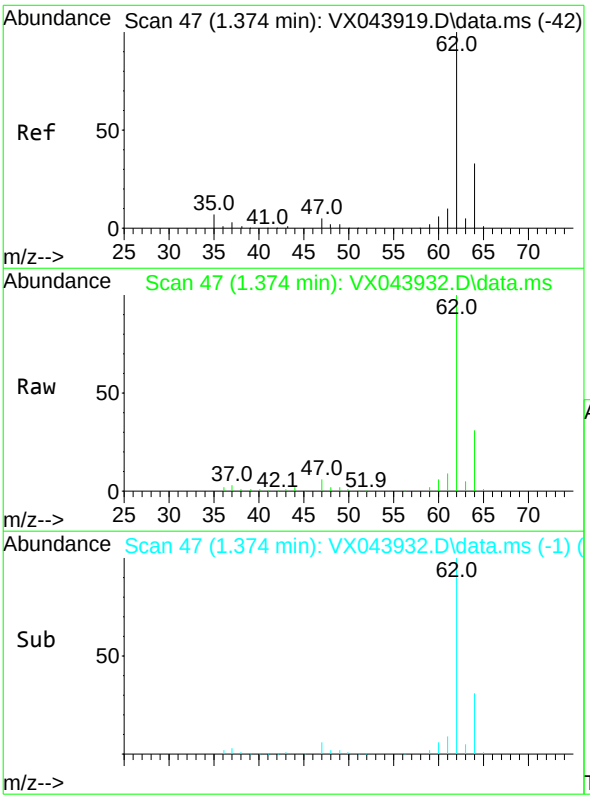
Ion	Ratio	Lower	Upper
50	100		
52	33.8	26.2	39.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

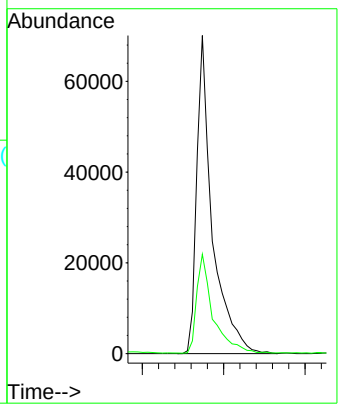
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

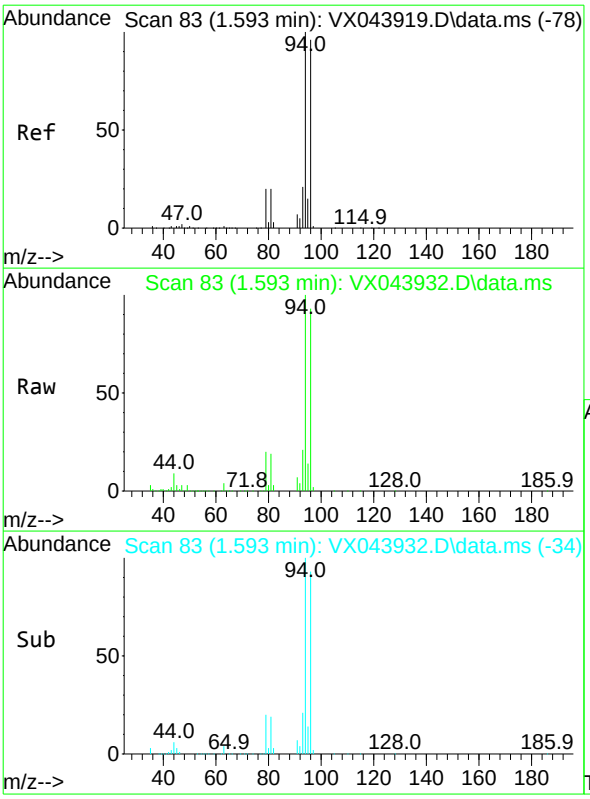


#4
Vinyl Chloride
Concen: 50.118 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 62 Resp: 93147

Ion	Ratio	Lower	Upper
62	100		
64	31.1	26.1	39.1

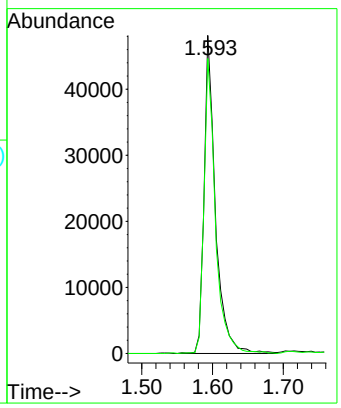




#5
Bromomethane
Concen: 47.040 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 94 Resp: 53783

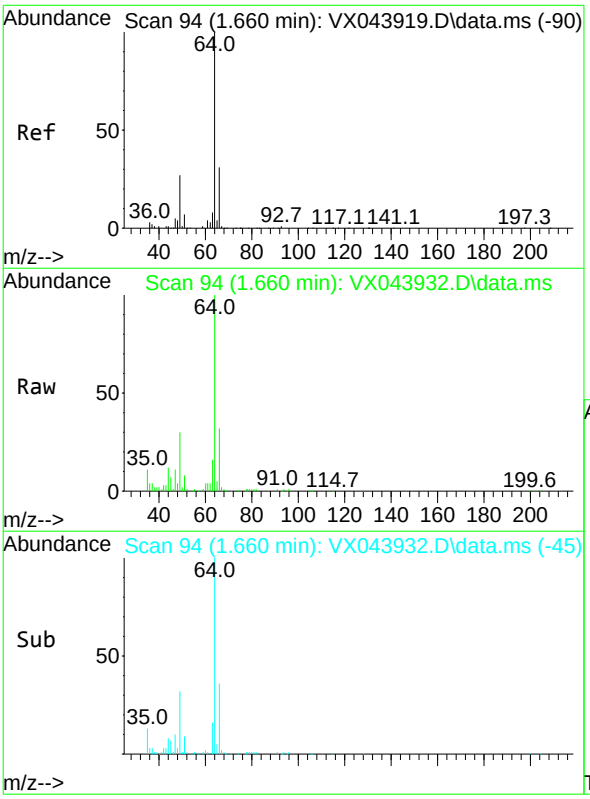
Ion	Ratio	Lower	Upper
94	100		
96	92.7	76.5	114.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

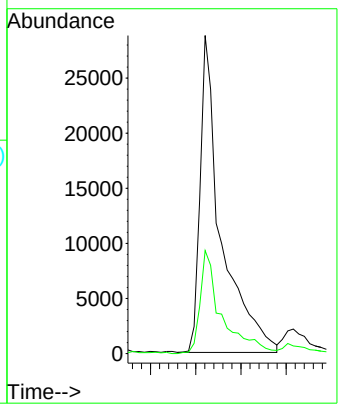
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

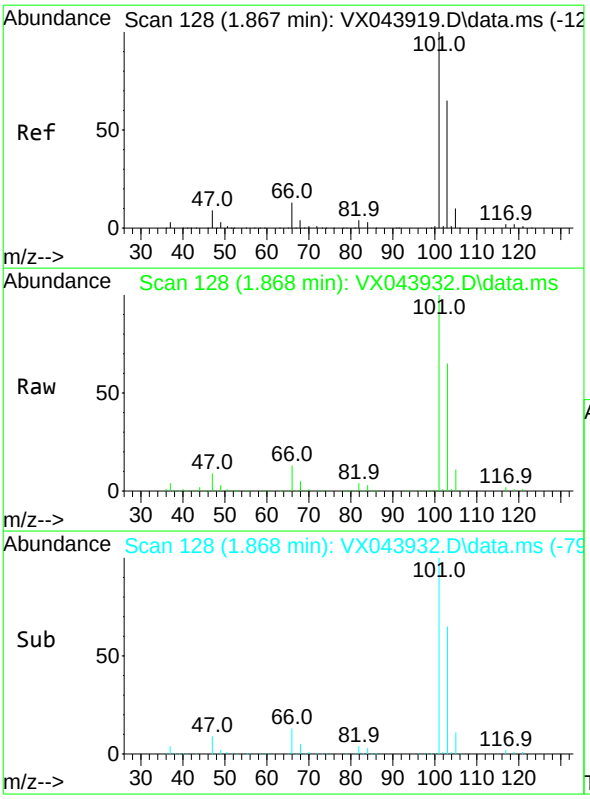


#6
Chloroethane
Concen: 40.921 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 64 Resp: 46342

Ion	Ratio	Lower	Upper
64	100		
66	32.5	24.9	37.3

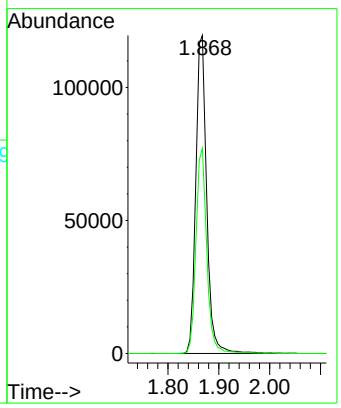




#7
Trichlorofluoromethane
Concen: 53.407 ug/l
RT: 1.868 min Scan# 12
Delta R.T. 0.001 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:101 Resp: 177461

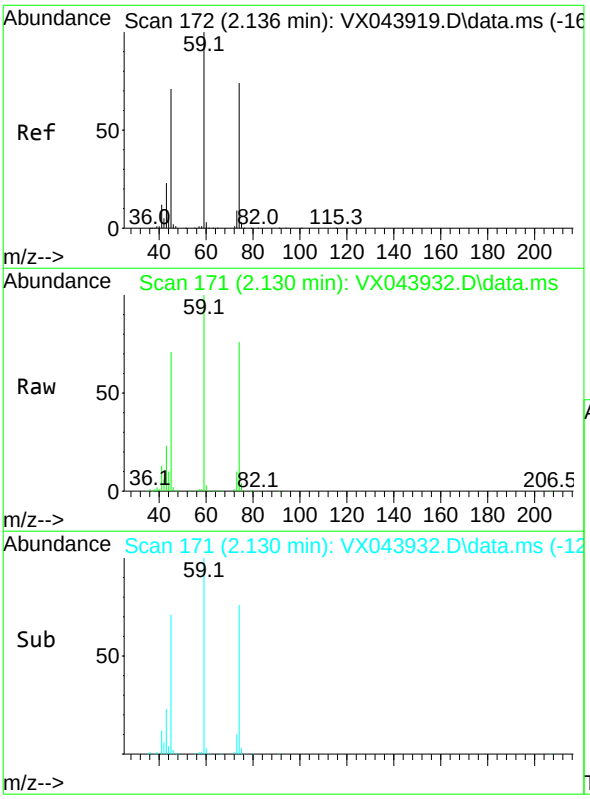
Ion	Ratio	Lower	Upper
101	100		
103	64.5	52.2	78.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations APPROVED

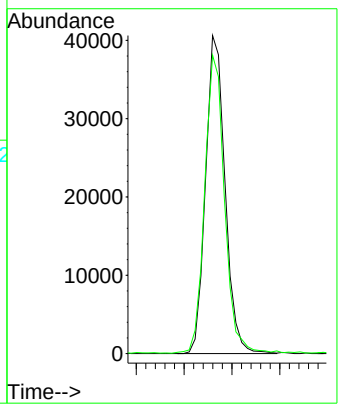
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

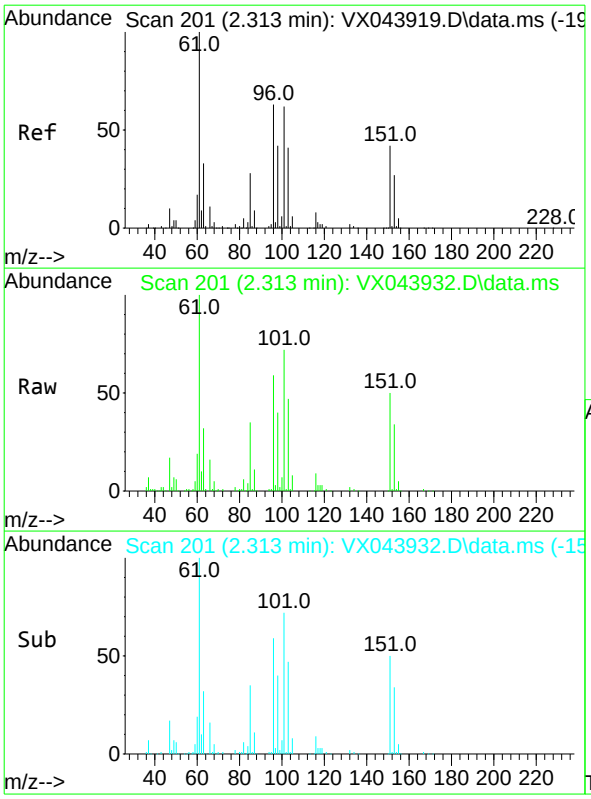


#8
Diethyl Ether
Concen: 47.345 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 74 Resp: 57339

Ion	Ratio	Lower	Upper
74	100		
45	95.6	49.9	149.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.762 ug/l
RT: 2.313 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

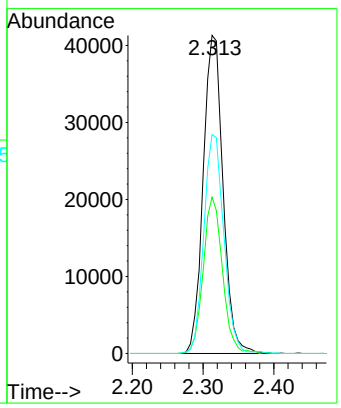
Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

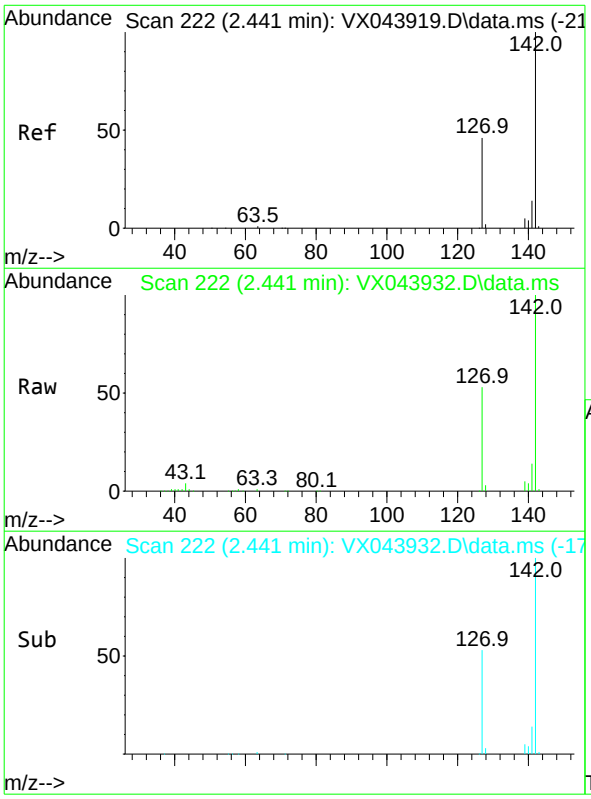
Tgt Ion:101 Resp: 80458

Ion	Ratio	Lower	Upper
101	100		
85	47.7	36.6	54.8
151	69.3	59.8	89.6

Manual Integrations
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Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

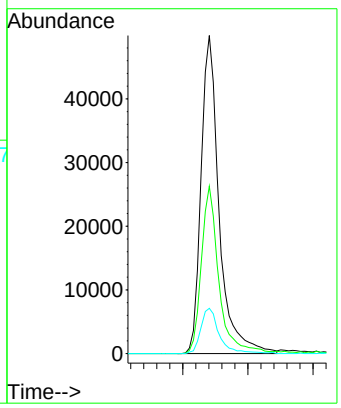


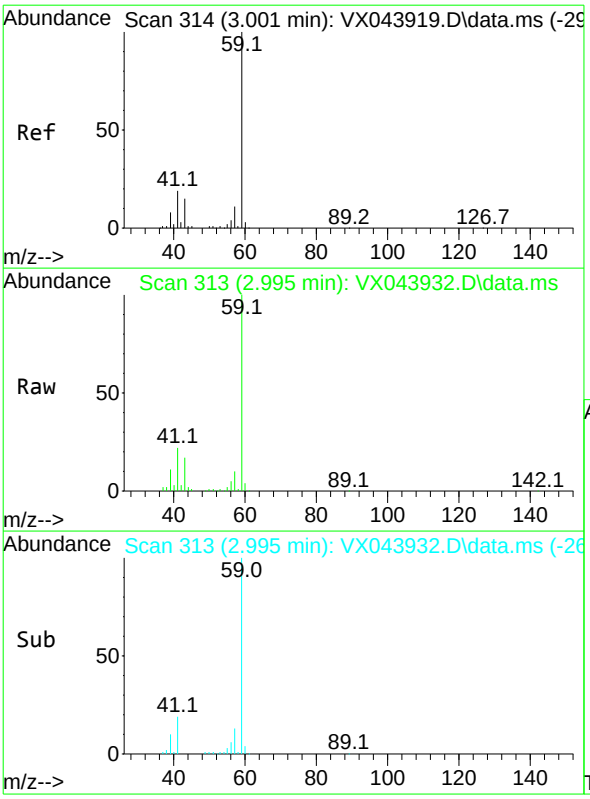


#10
Methyl Iodide
Concen: 48.614 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:142 Resp: 96234

Ion	Ratio	Lower	Upper
142	100		
127	50.9	37.3	55.9
141	14.6	11.4	17.2

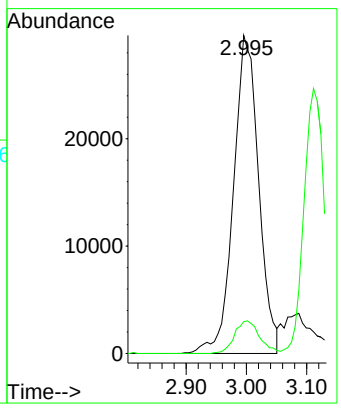




#11
Tert butyl alcohol
Concen: 227.811 ug/l
RT: 2.995 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 59 Resp: 85927

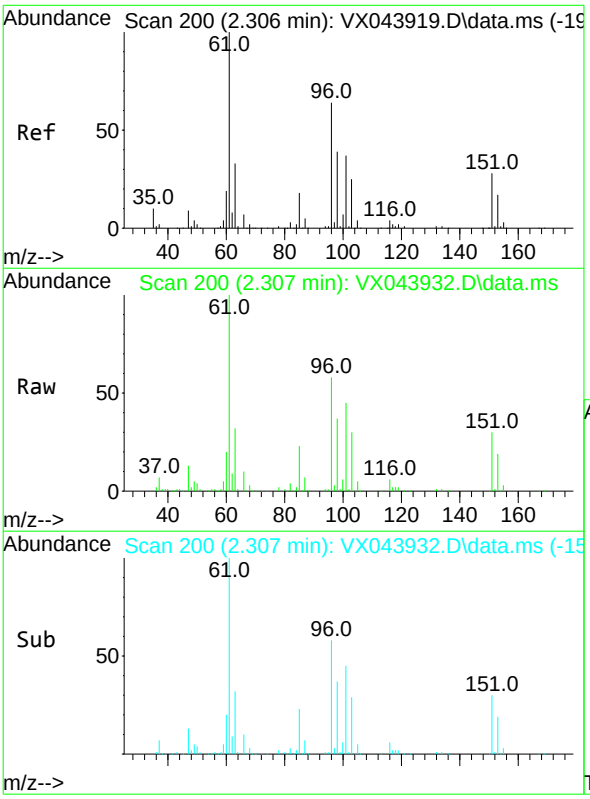
Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
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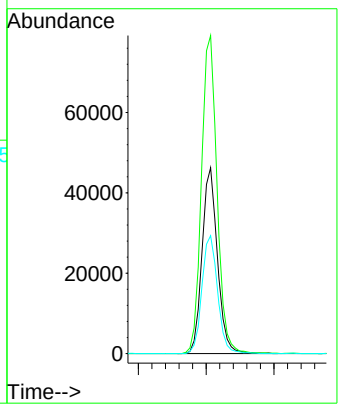
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

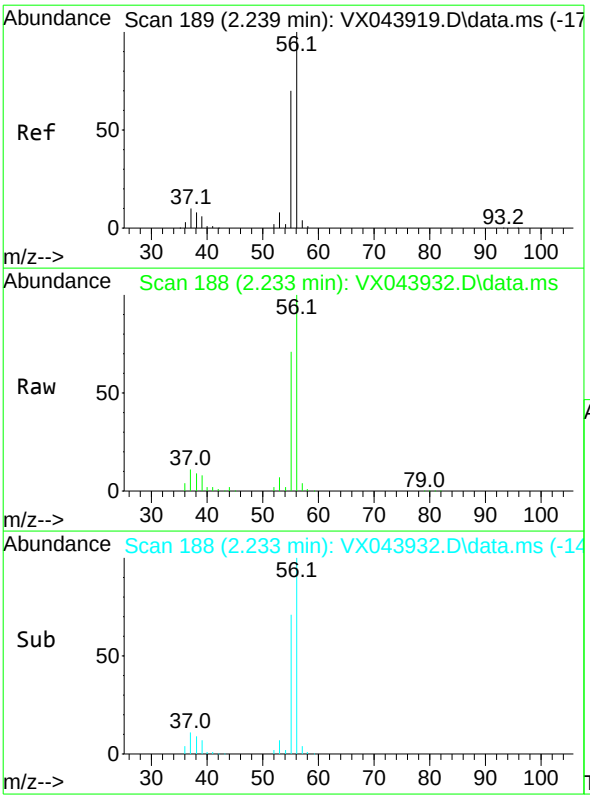


#12
1,1-Dichloroethene
Concen: 48.192 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.001 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 96 Resp: 72787

Ion	Ratio	Lower	Upper
96	100		
61	171.1	124.6	187.0
98	63.4	49.0	73.6

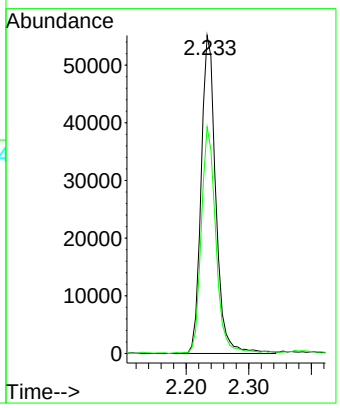




#13
Acrolein
Concen: 235.500 ug/l
RT: 2.233 min Scan# 18
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 56 Resp: 89571

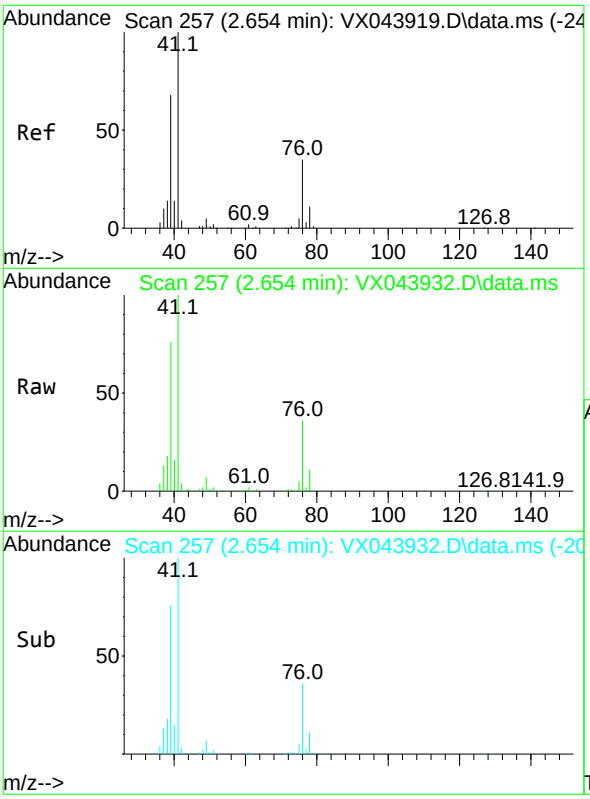
Ion	Ratio	Lower	Upper
56	100		
55	70.9	56.1	84.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
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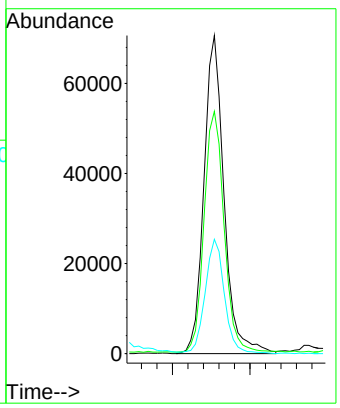
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

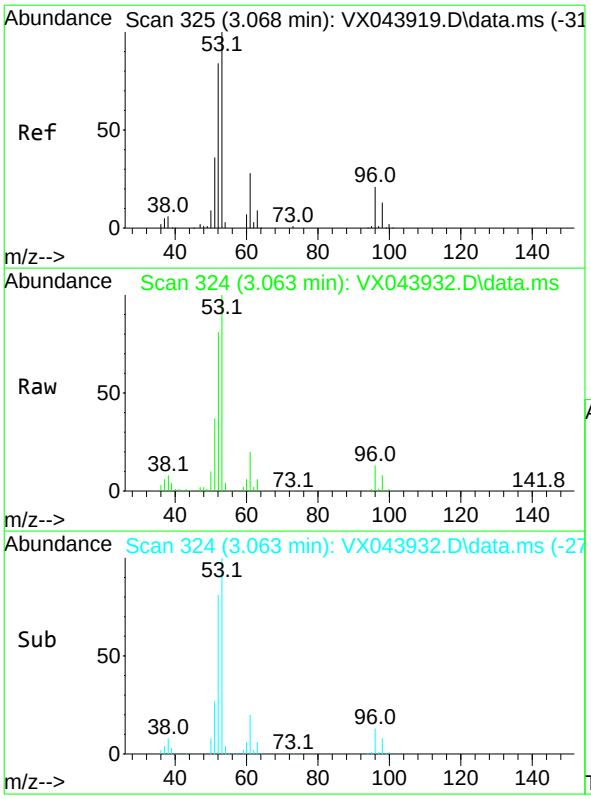


#14
Allyl chloride
Concen: 51.610 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 41 Resp: 127367

Ion	Ratio	Lower	Upper
41	100		
39	75.3	51.7	77.5
76	34.5	28.2	42.2

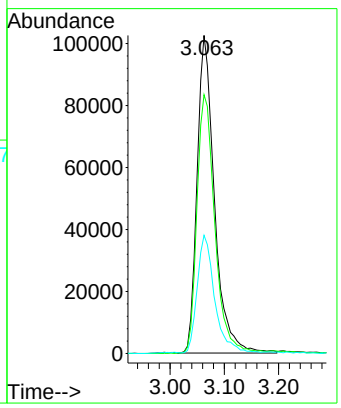




#15
Acrylonitrile
Concen: 259.090 ug/l
RT: 3.063 min Scan# 32
Delta R.T. -0.005 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 53 Resp: 227832

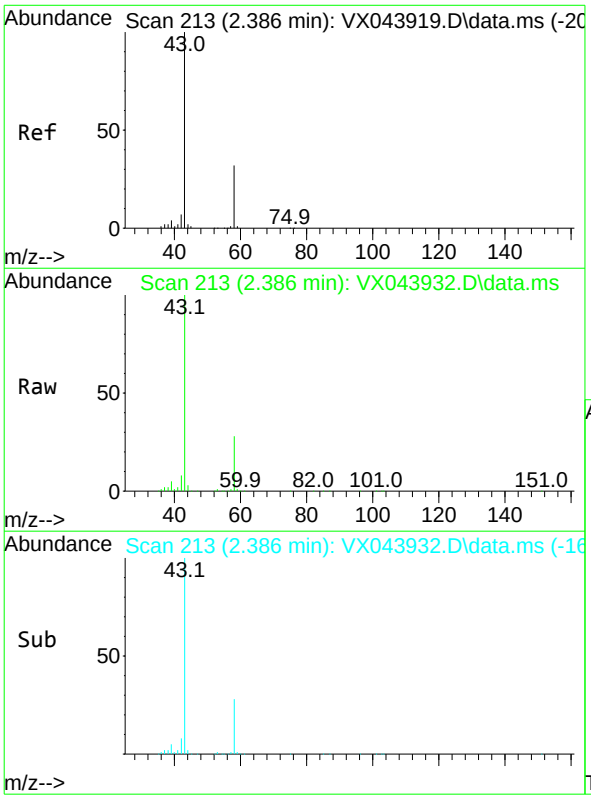
Ion	Ratio	Lower	Upper
53	100		
52	84.3	65.8	98.8
51	37.2	28.6	42.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

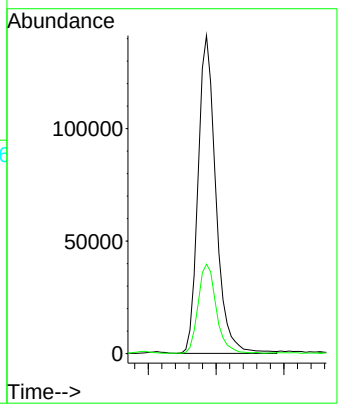
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

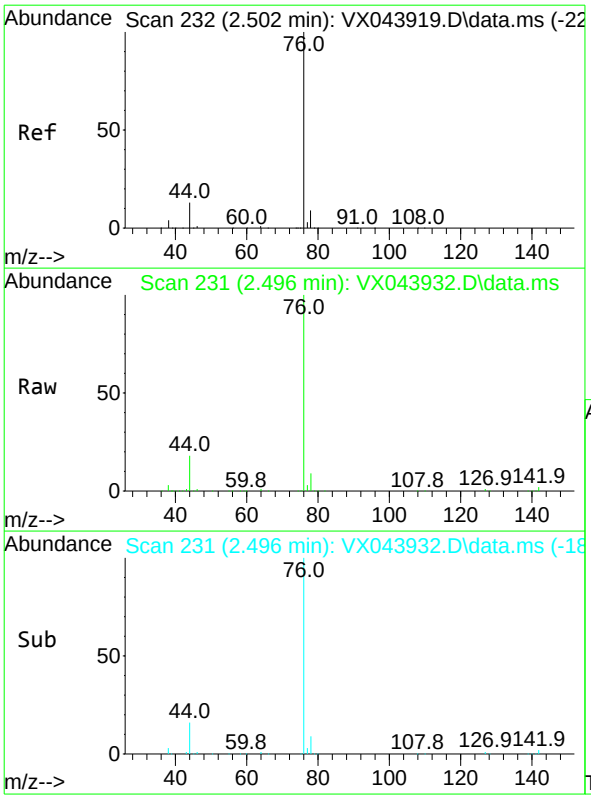


#16
Acetone
Concen: 249.676 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 43 Resp: 257802

Ion	Ratio	Lower	Upper
43	100		
58	28.0	25.8	38.6

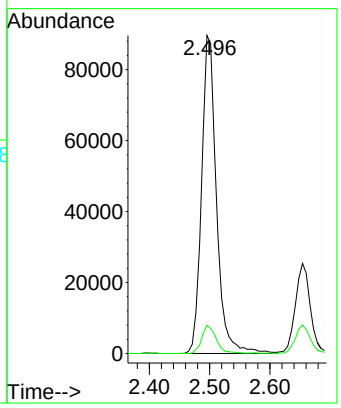




#17
Carbon Disulfide
Concen: 49.375 ug/l
RT: 2.496 min Scan# 23
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 76 Resp: 153826

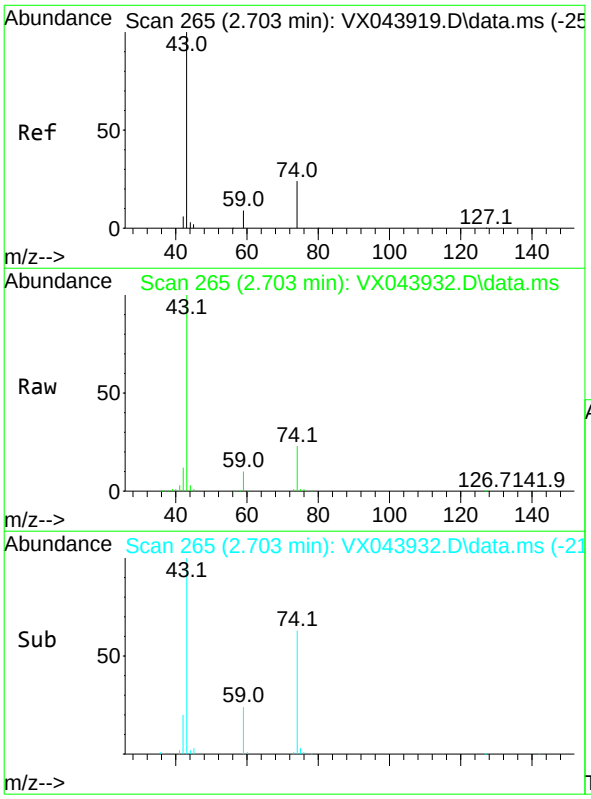
Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.3	10.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
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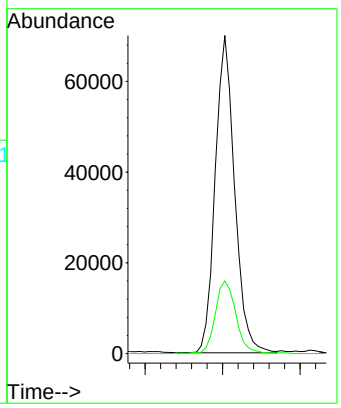
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

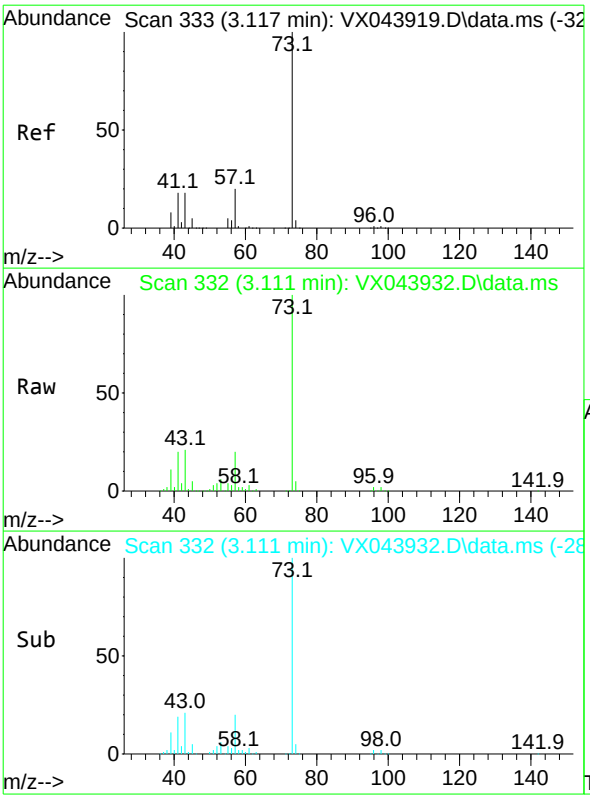


#18
Methyl Acetate
Concen: 50.643 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 43 Resp: 121774

Ion	Ratio	Lower	Upper
43	100		
74	24.5	20.1	30.1

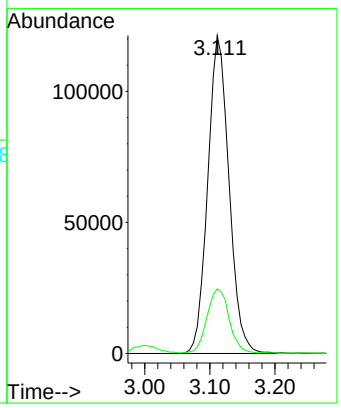




#19
Methyl tert-butyl Ether
Concen: 50.186 ug/l
RT: 3.111 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 73 Resp: 275221

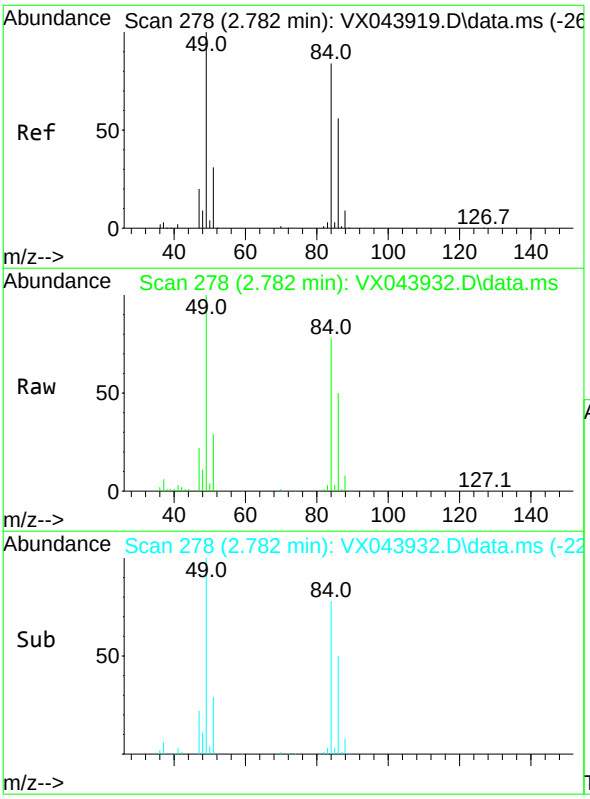
Ion	Ratio	Lower	Upper
73	100		
57	20.2	16.4	24.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
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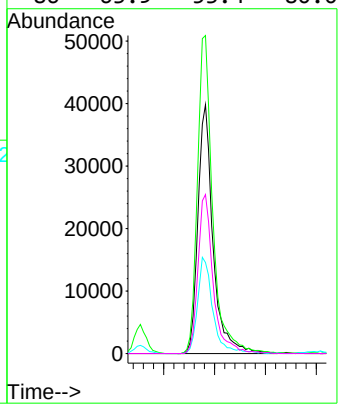
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

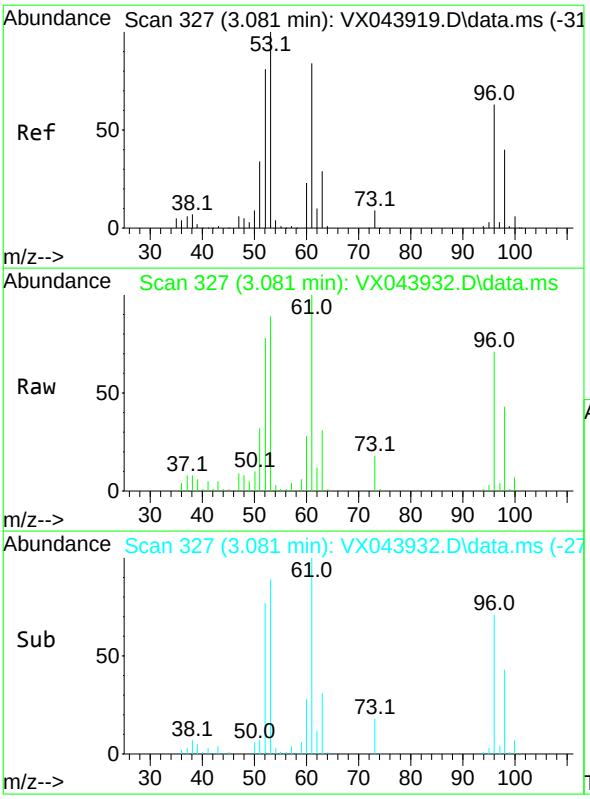


#20
Methylene Chloride
Concen: 46.954 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 84 Resp: 82274

Ion	Ratio	Lower	Upper
84	100		
49	127.8	95.1	142.7
51	36.6	29.2	43.8
86	63.9	53.4	80.0

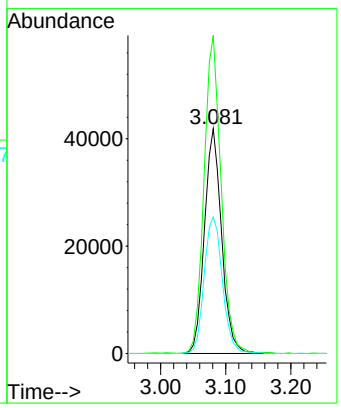




#21
trans-1,2-Dichloroethene
Concen: 49.179 ug/l
RT: 3.081 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 96 Resp: 76687

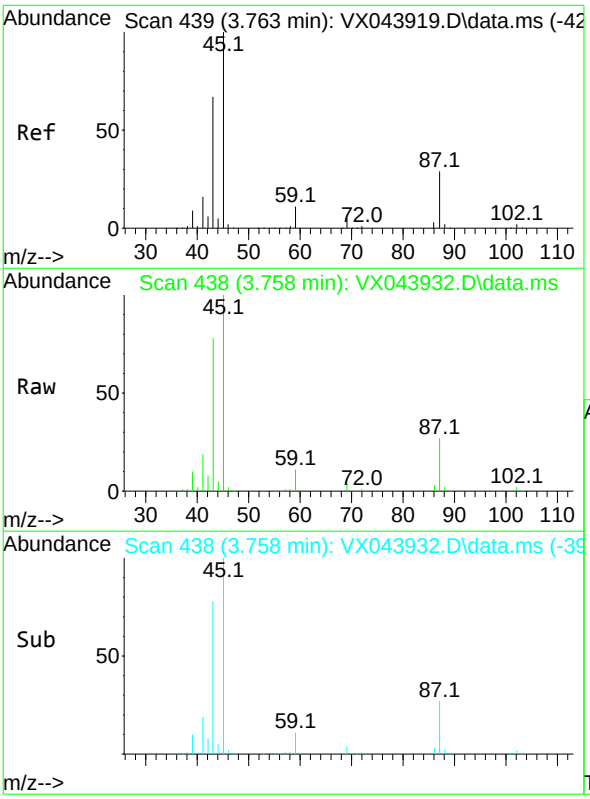
Ion	Ratio	Lower	Upper
96	100		
61	141.5	106.4	159.6
98	60.8	50.9	76.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

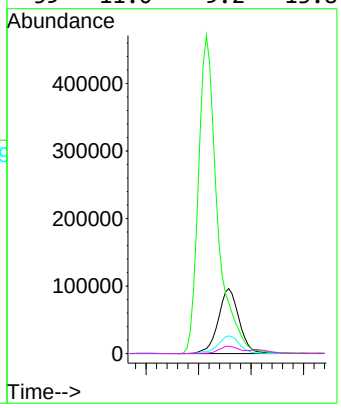
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

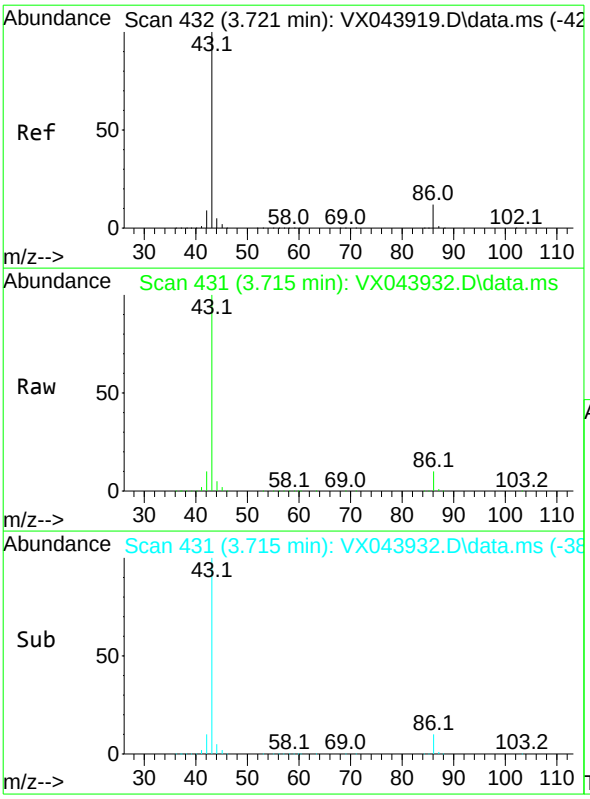


#22
Diisopropyl ether
Concen: 50.132 ug/l
RT: 3.758 min Scan# 438
Delta R.T. -0.005 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 45 Resp: 264554

Ion	Ratio	Lower	Upper
45	100		
43	78.0	53.8	80.6
87	27.4	23.4	35.2
59	11.0	9.2	13.8

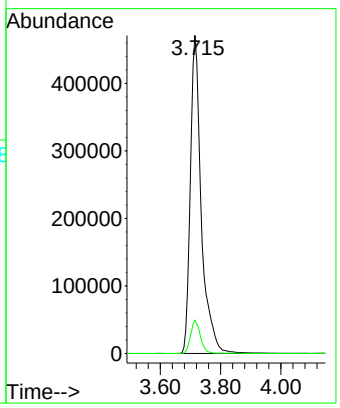




#23
Vinyl Acetate
Concen: 263.425 ug/l
RT: 3.715 min Scan# 43
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 43 Resp: 1189170

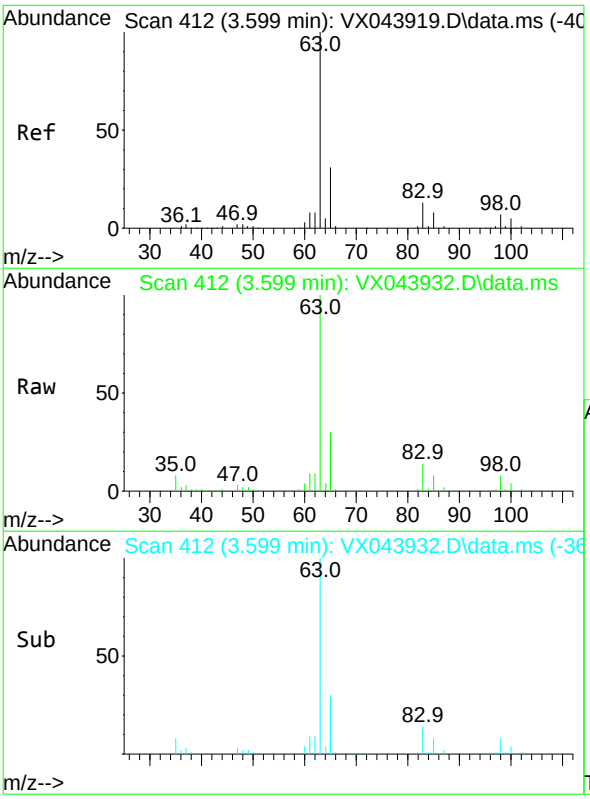
Ion	Ratio	Lower	Upper
43	100		
86	10.5	9.4	14.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
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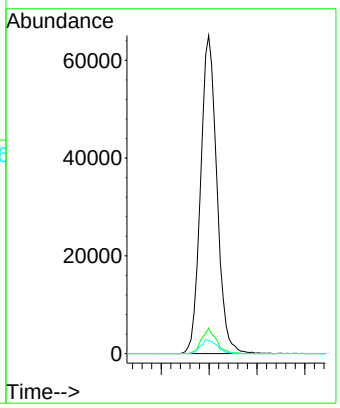
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

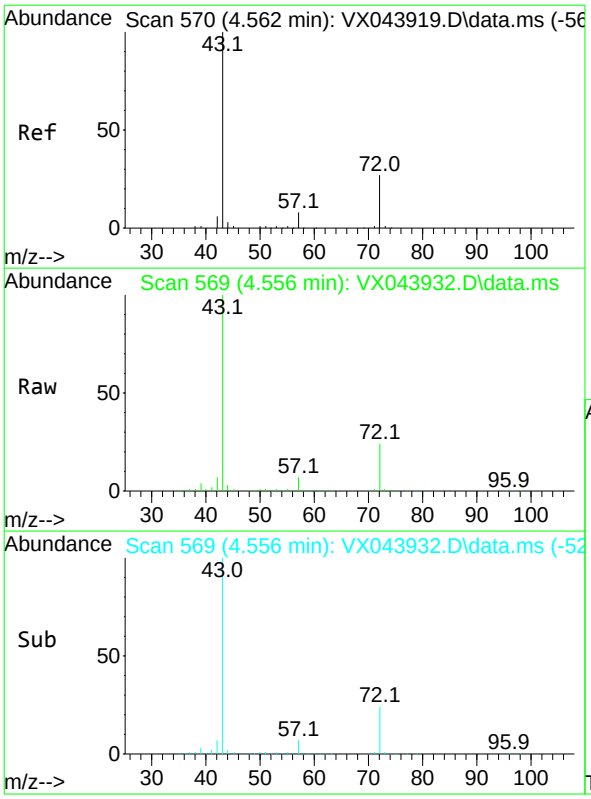


#24
1,1-Dichloroethane
Concen: 50.466 ug/l
RT: 3.599 min Scan# 412
Delta R.T. 0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 63 Resp: 153635

Ion	Ratio	Lower	Upper
63	100		
98	8.0	3.7	11.1
100	4.0	2.4	7.2

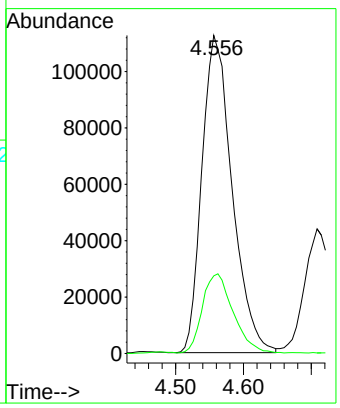




#25
2-Butanone
Concen: 261.804 ug/l
RT: 4.556 min Scan# 56
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 43 Resp: 348803

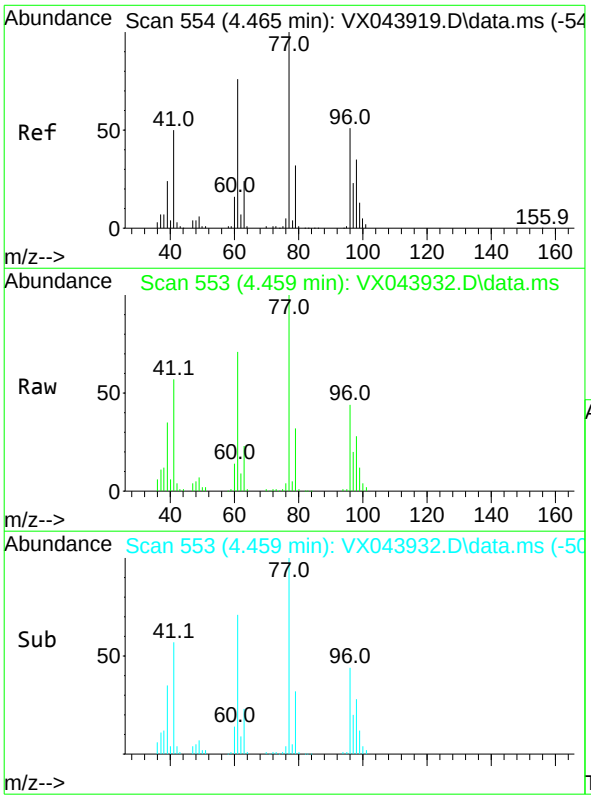
Ion	Ratio	Lower	Upper
43	100		
72	24.3	21.3	31.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

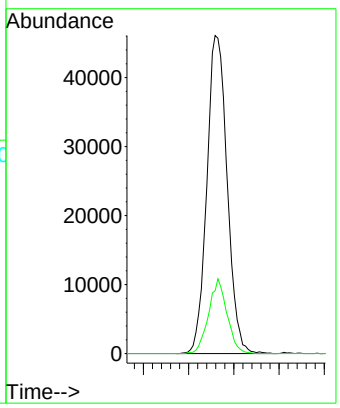
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

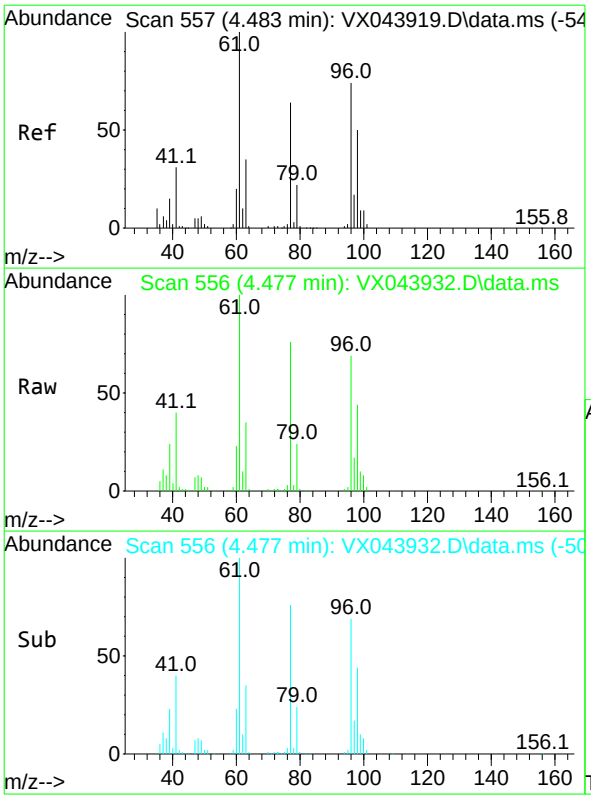


#26
2,2-Dichloropropane
Concen: 52.343 ug/l
RT: 4.459 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 77 Resp: 143910

Ion	Ratio	Lower	Upper
77	100		
97	21.3	11.7	35.1

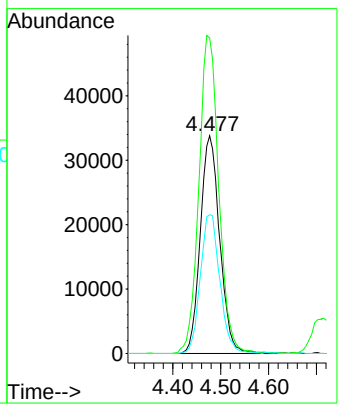




#27
cis-1,2-Dichloroethene
Concen: 49.326 ug/l
RT: 4.477 min Scan# 55
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 96 Resp: 95076

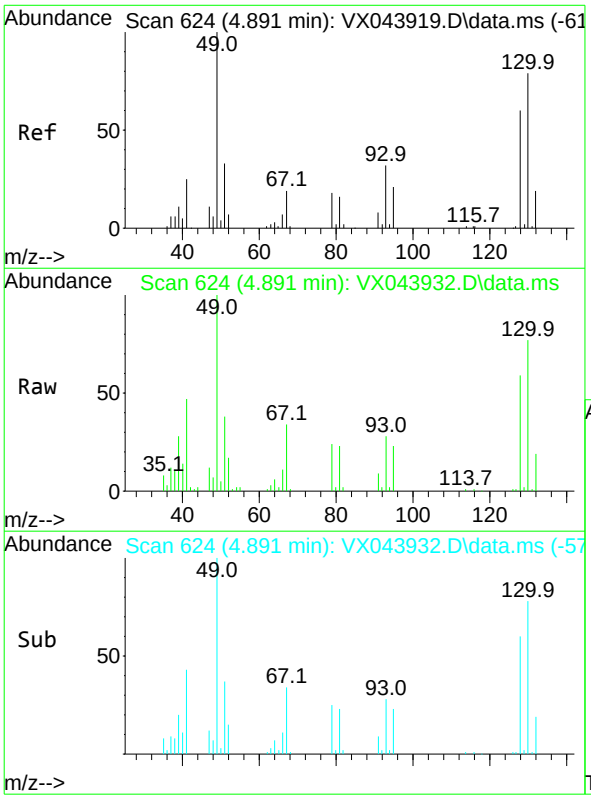
Ion	Ratio	Lower	Upper
96	100		
61	149.6	0.0	279.4
98	64.3	0.0	131.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

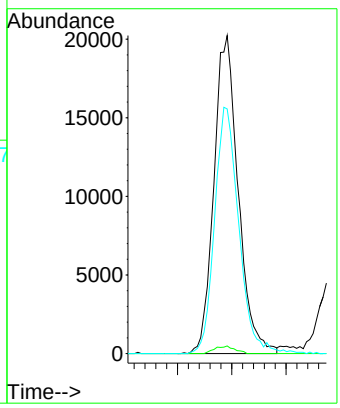
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

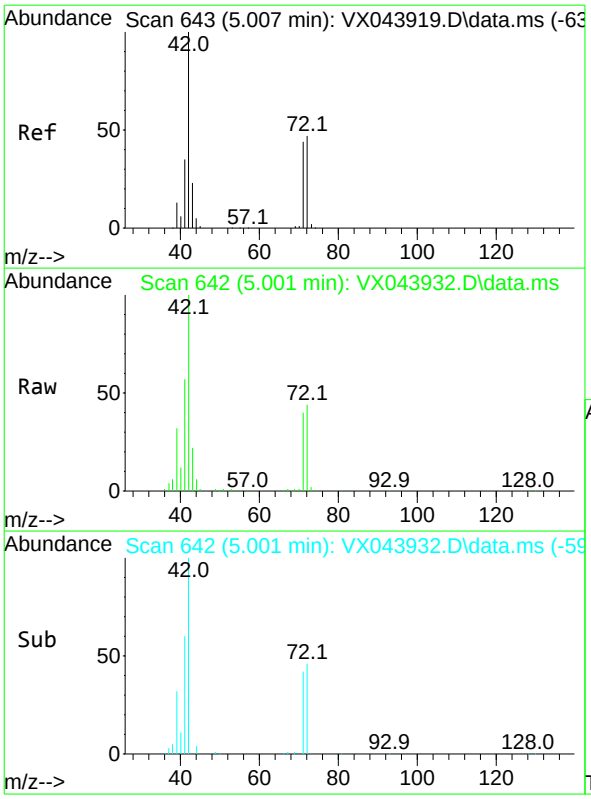


#28
Bromochloromethane
Concen: 46.920 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 49 Resp: 62874

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.4
130	77.3	68.2	102.2

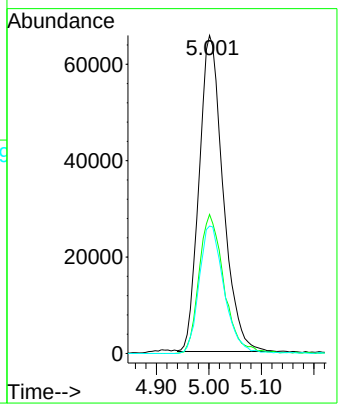




#29
Tetrahydrofuran
Concen: 254.625 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 42 Resp: 207942

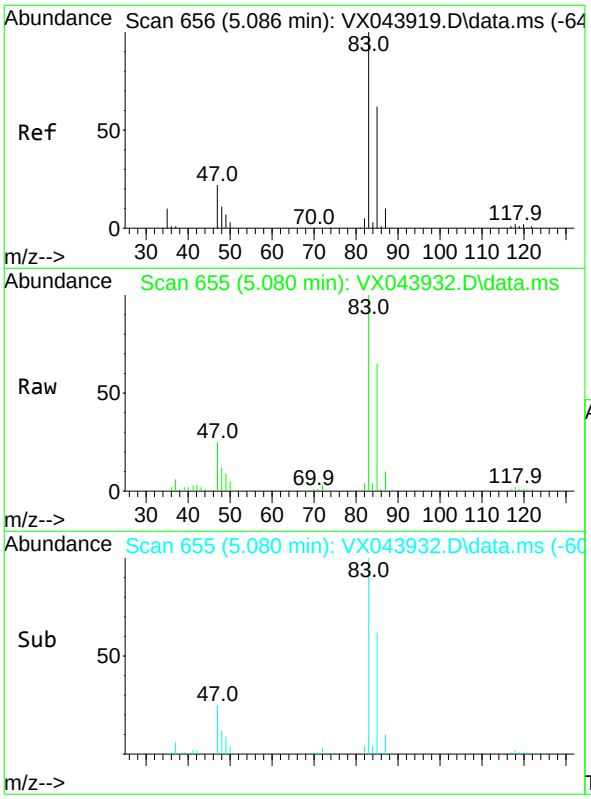
Ion	Ratio	Lower	Upper
42	100		
72	45.6	37.9	56.9
71	42.0	34.8	52.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

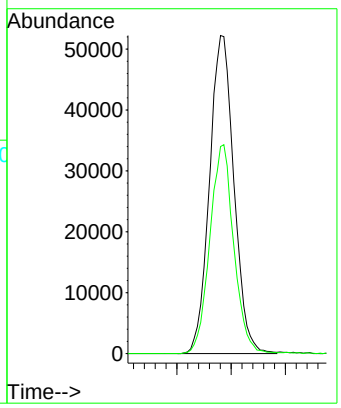
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

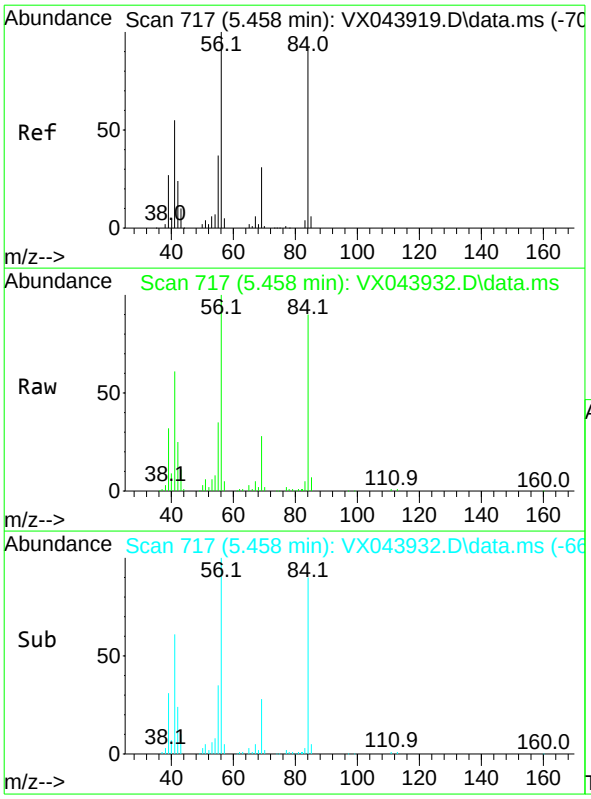


#30
Chloroform
Concen: 49.891 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 83 Resp: 163357

Ion	Ratio	Lower	Upper
83	100		
85	65.1	49.7	74.5

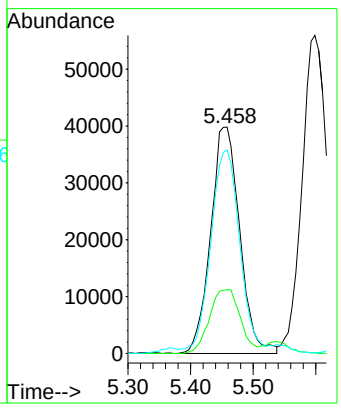




#31
Cyclohexane
Concen: 51.278 ug/l
RT: 5.458 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 56 Resp: 128482

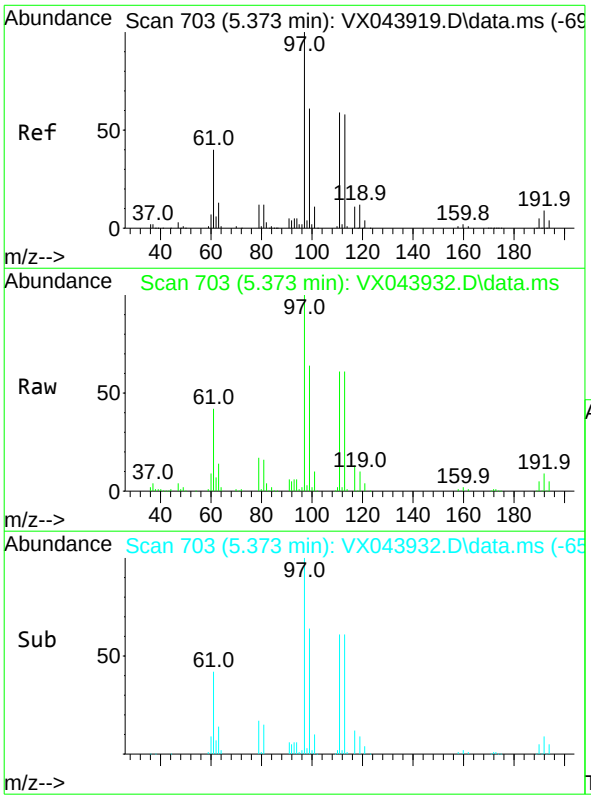
Ion	Ratio	Lower	Upper
56	100		
69	28.2	24.9	37.3
84	88.1	73.8	110.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

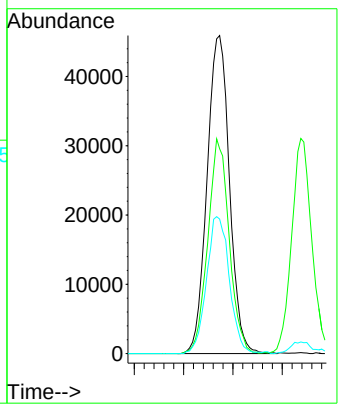
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

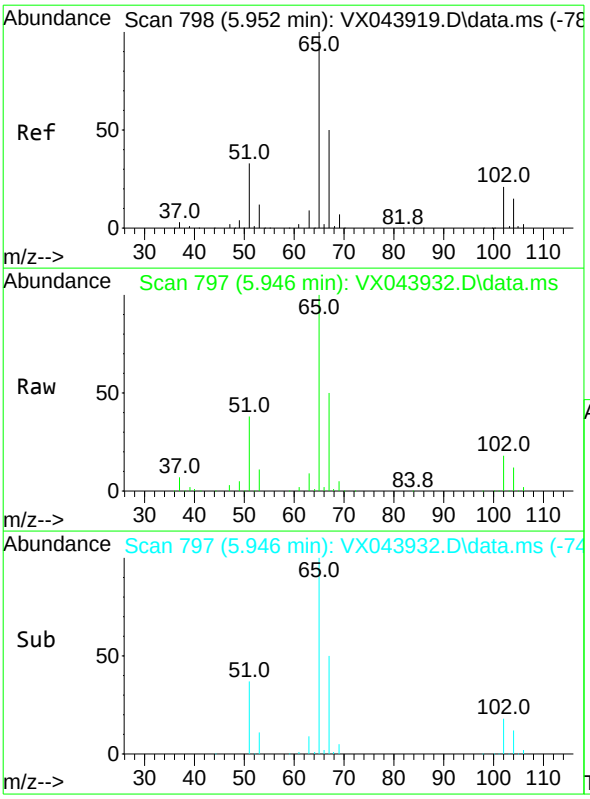


#32
1,1,1-Trichloroethane
Concen: 51.320 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 97 Resp: 144908

Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.2	76.8
61	43.8	32.9	49.3

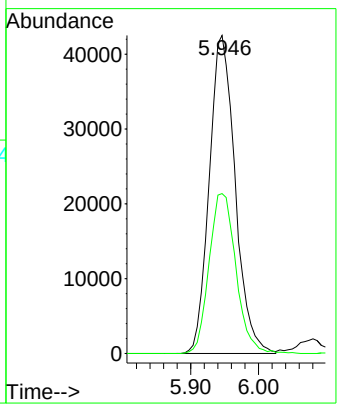




#33
1,2-Dichloroethane-d4
Concen: 50.183 ug/l
RT: 5.946 min Scan# 79
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 65 Resp: 112818

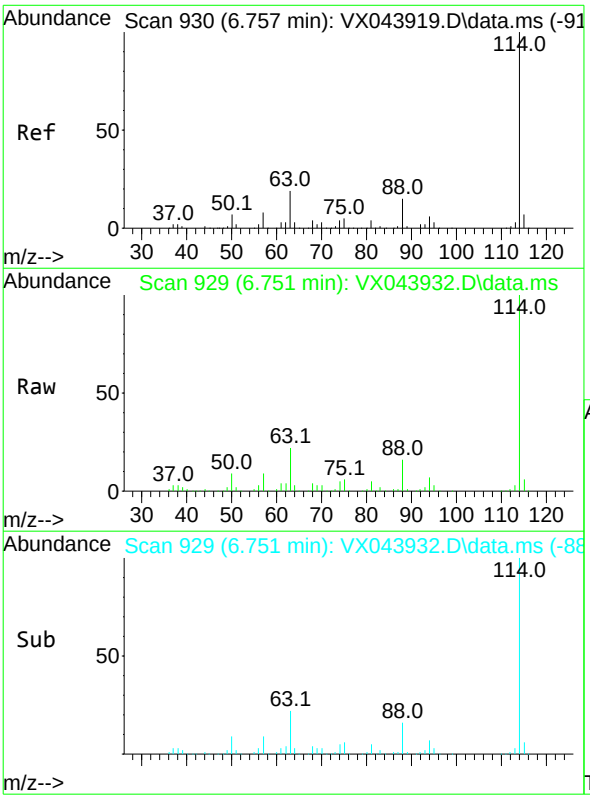
Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	103.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

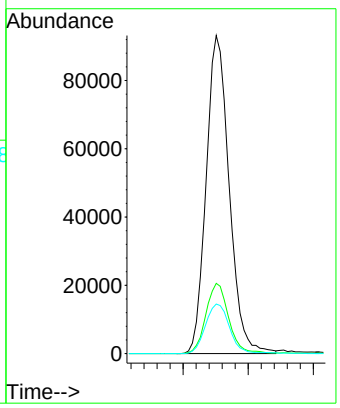
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

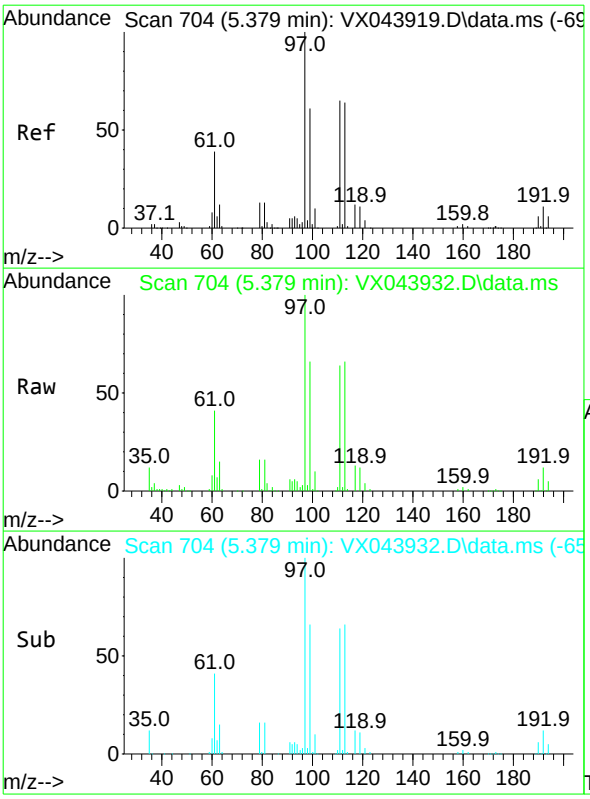


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:114 Resp: 229009

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	39.0
88	15.6	0.0	30.2

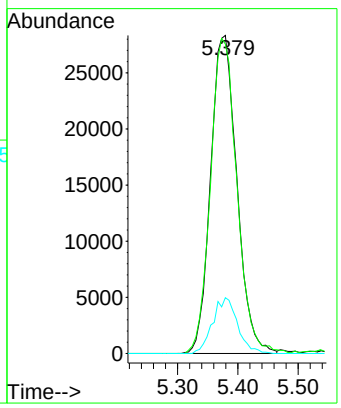




#35
Dibromofluoromethane
Concen: 52.442 ug/l
RT: 5.379 min Scan# 70
Delta R.T. 0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:113 Resp: 85815

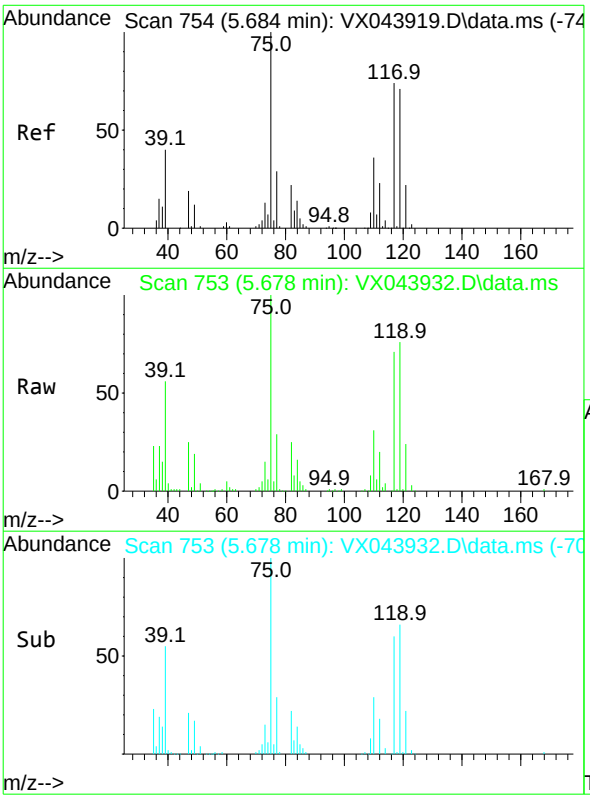
Ion	Ratio	Lower	Upper
113	100		
111	99.9	81.0	121.6
192	16.6	14.2	21.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

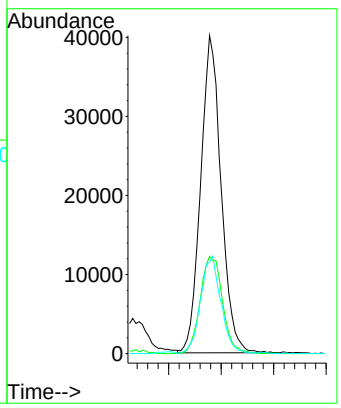
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

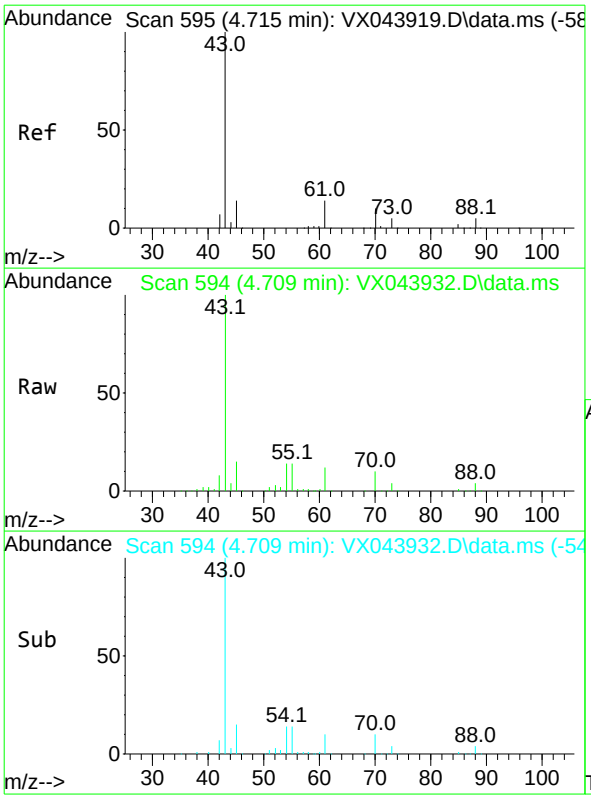


#36
1,1-Dichloropropene
Concen: 53.218 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 75 Resp: 108518

Ion	Ratio	Lower	Upper
75	100		
110	33.4	17.5	52.5
77	30.3	24.9	37.3

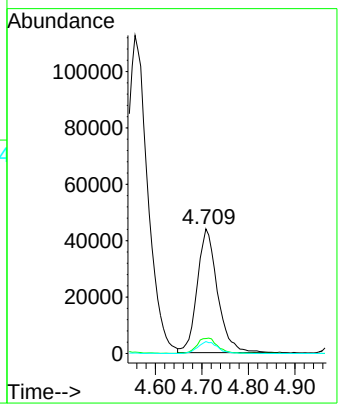




#37
Ethyl Acetate
Concen: 54.253 ug/l
RT: 4.709 min Scan# 59
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 43 Resp: 133283

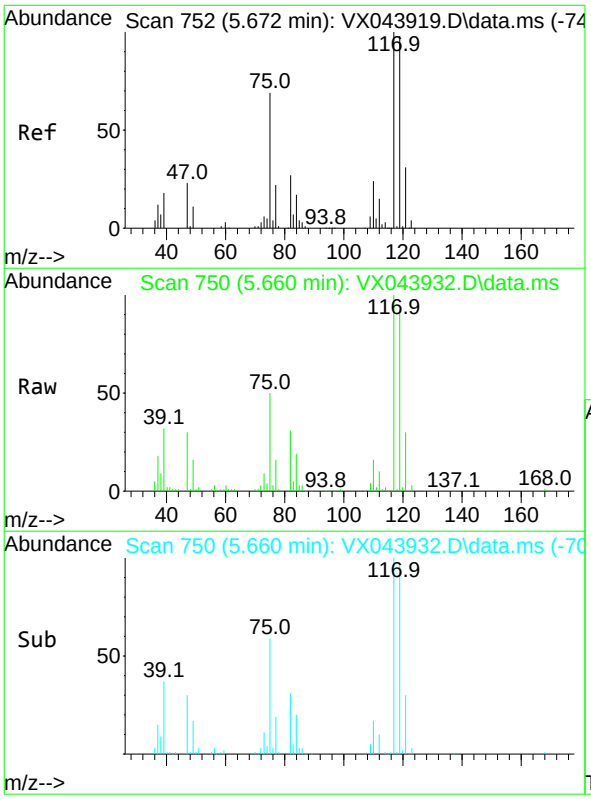
Ion	Ratio	Lower	Upper
43	100		
61	12.2	11.5	17.3
70	9.3	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

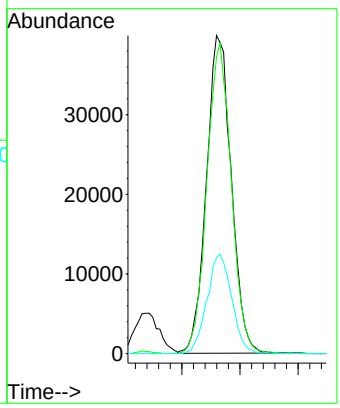
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

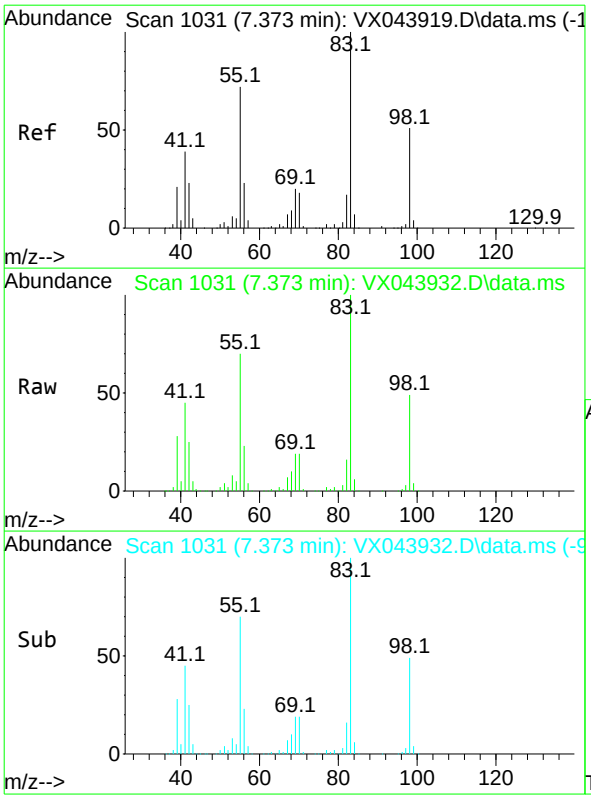


#38
Carbon Tetrachloride
Concen: 51.786 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:117 Resp: 118655

Ion	Ratio	Lower	Upper
117	100		
119	93.5	78.3	117.5
121	30.3	25.1	37.7

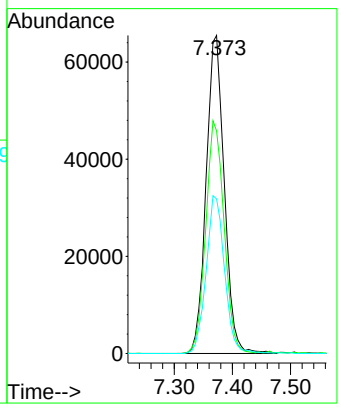




#39
Methylcyclohexane
Concen: 53.489 ug/l
RT: 7.373 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 83 Resp: 141696

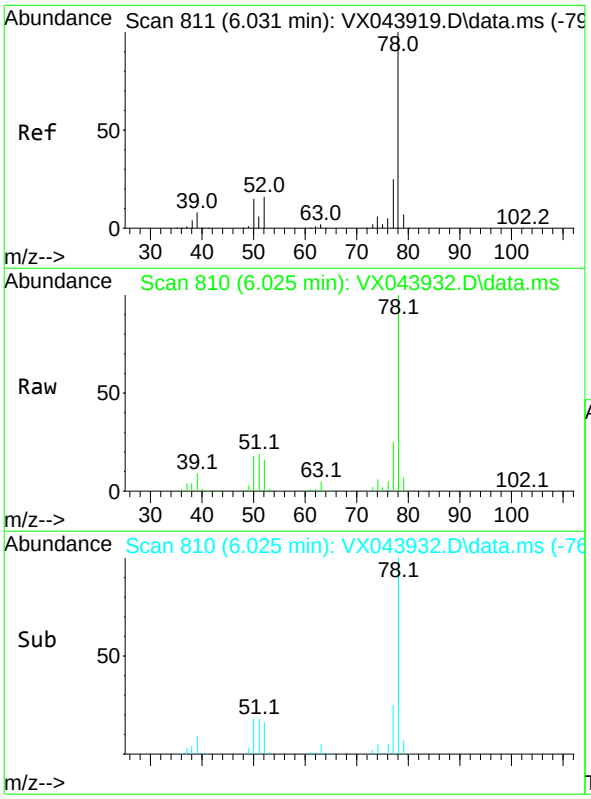
Ion	Ratio	Lower	Upper
83	100		
55	70.0	57.9	86.9
98	48.6	40.5	60.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

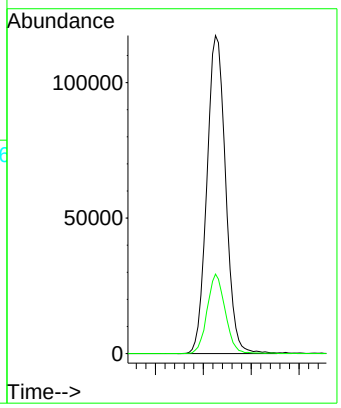
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

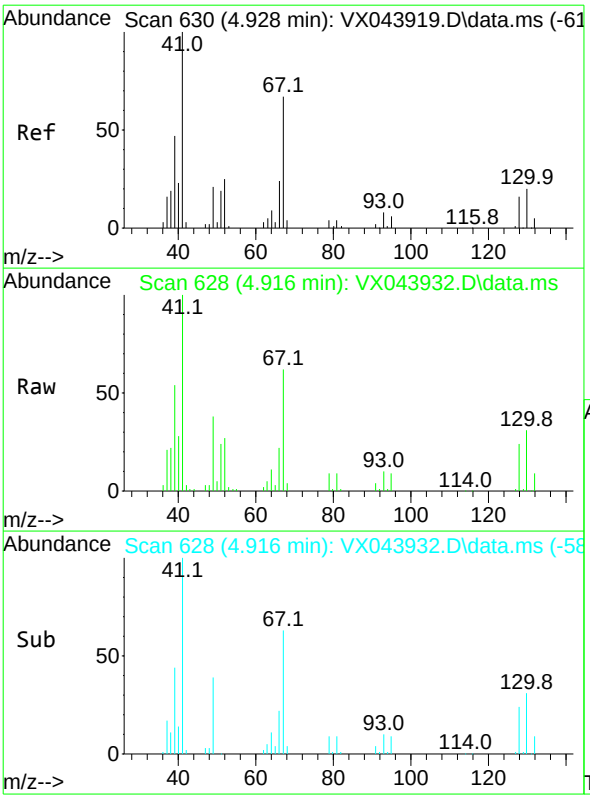


#40
Benzene
Concen: 50.257 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 78 Resp: 319222

Ion	Ratio	Lower	Upper
78	100		
77	25.0	19.8	29.8

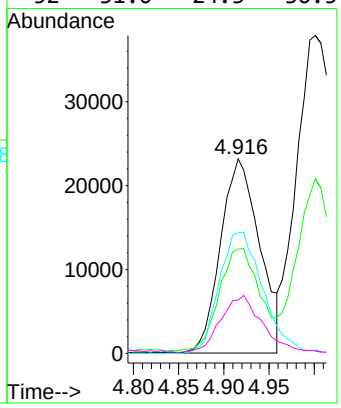




#41
Methacrylonitrile
Concen: 53.357 ug/l
RT: 4.916 min Scan# 62
Delta R.T. -0.012 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 41 Resp: 69766

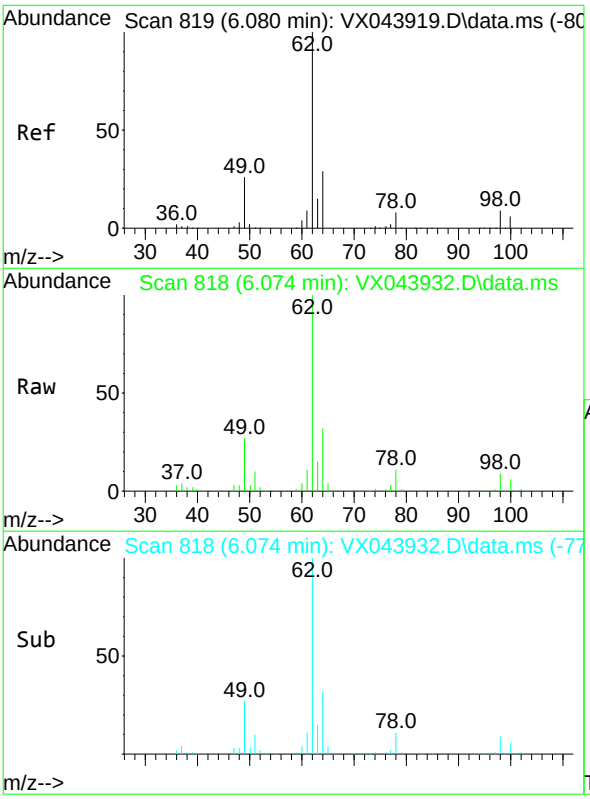
Ion	Ratio	Lower	Upper
41	100		
39	53.2	41.2	61.8
67	70.1	60.3	90.5
52	31.0	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

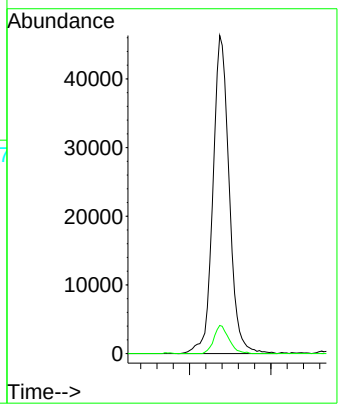
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

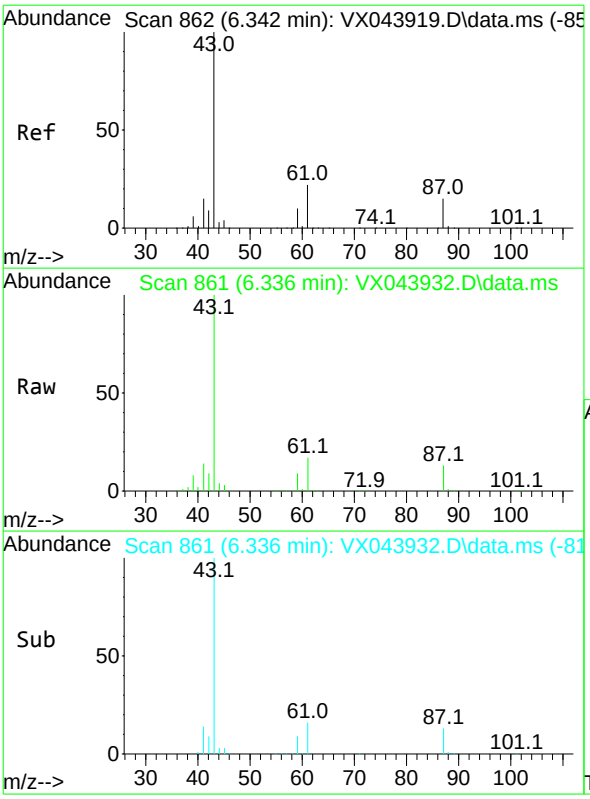


#42
1,2-Dichloroethane
Concen: 50.421 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 62 Resp: 128623

Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	18.6

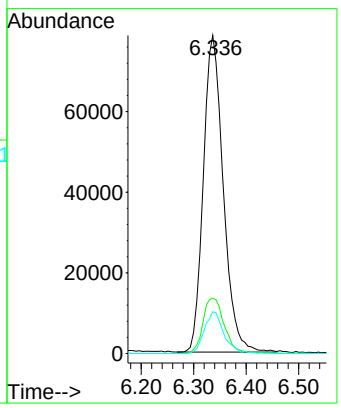




#43
Isopropyl Acetate
Concen: 51.469 ug/l
RT: 6.336 min Scan# 86
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 43 Resp: 207332

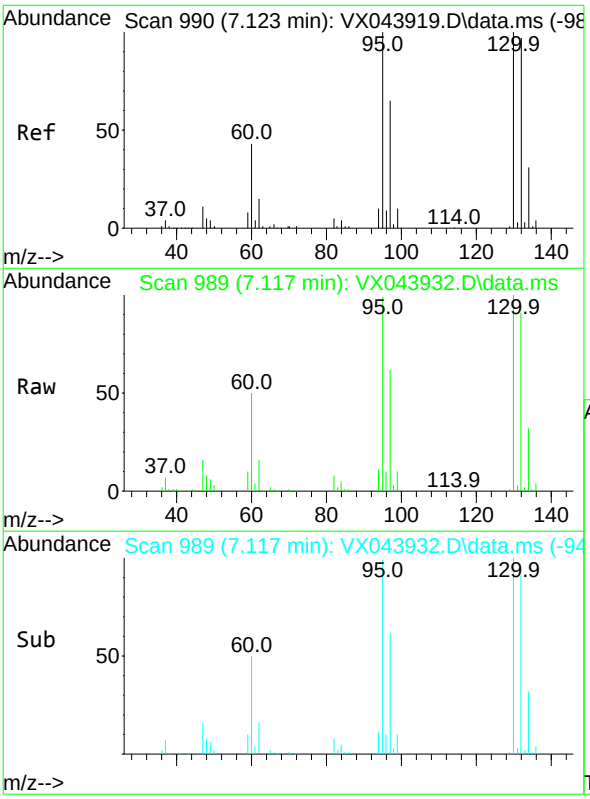
Ion	Ratio	Lower	Upper
43	100		
61	18.6	16.9	25.3
87	12.9	11.9	17.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

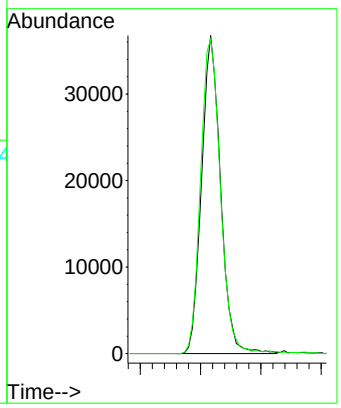
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

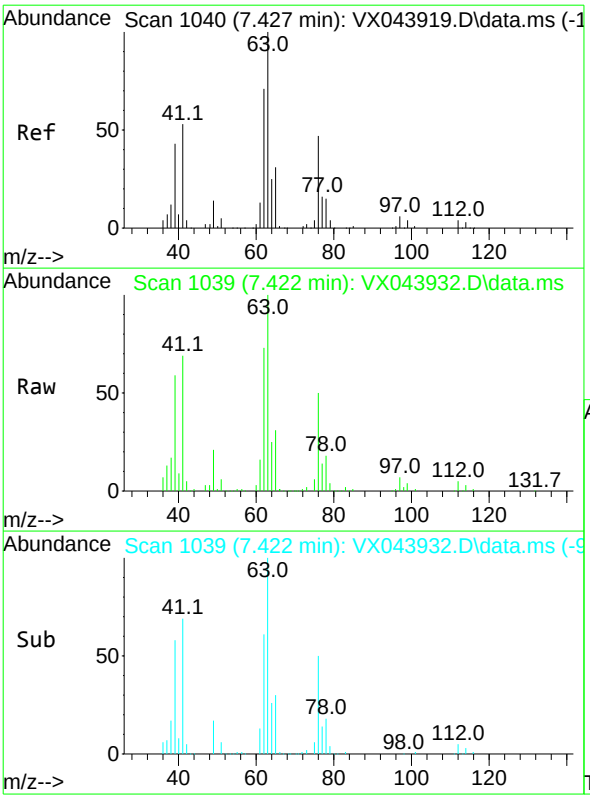


#44
Trichloroethene
Concen: 44.554 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:130 Resp: 80113

Ion	Ratio	Lower	Upper
130	100		
95	98.9	0.0	200.8

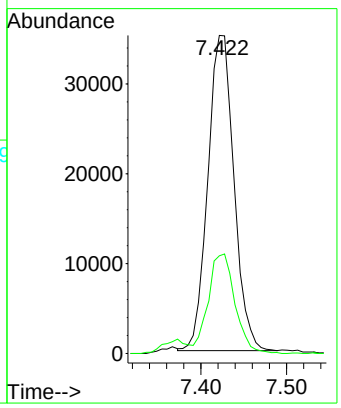




#45
1,2-Dichloropropane
Concen: 47.811 ug/l
RT: 7.422 min Scan# 10
Delta R.T. -0.005 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 63 Resp: 74380

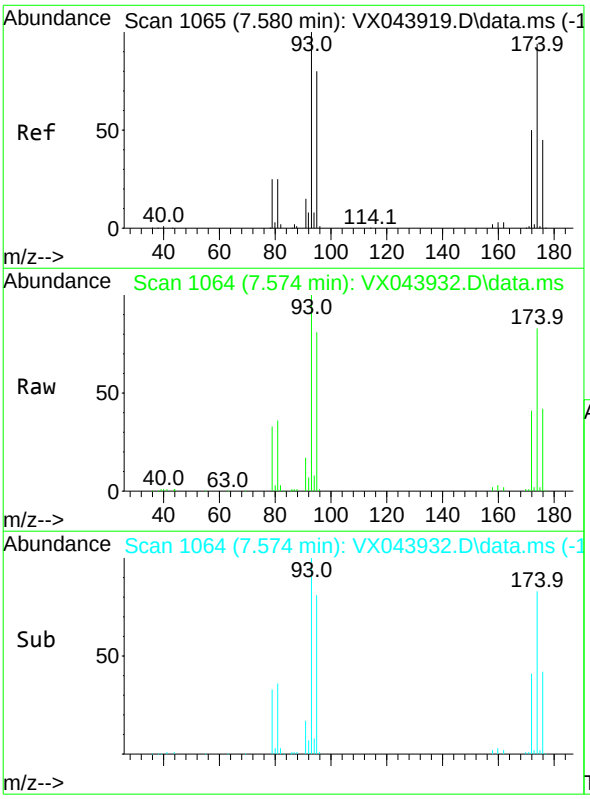
Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.5	36.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

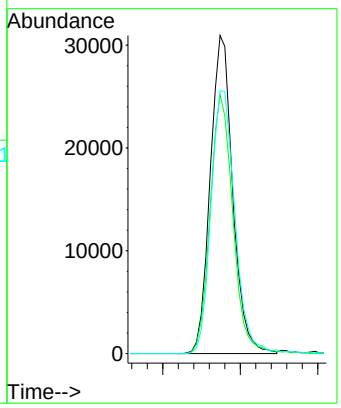
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

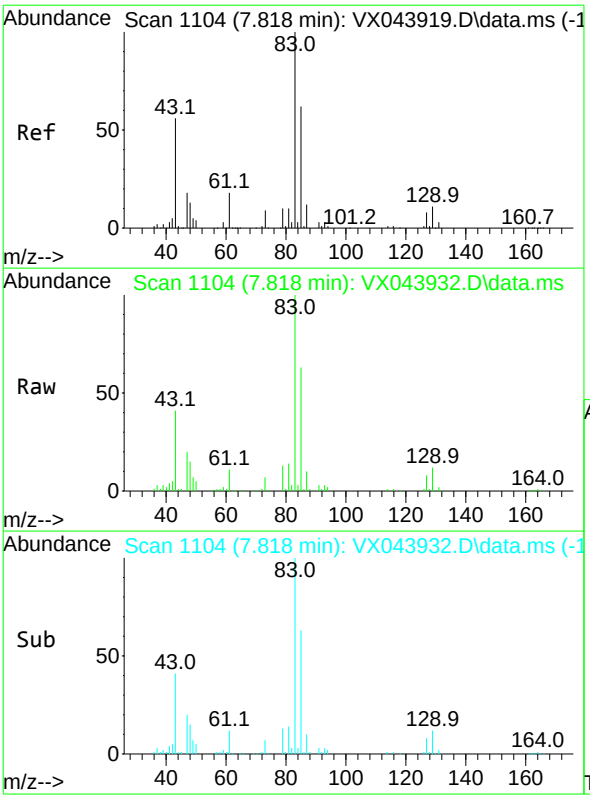


#46
Dibromomethane
Concen: 50.662 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 93 Resp: 62345

Ion	Ratio	Lower	Upper
93	100		
95	82.5	66.1	99.1
174	88.2	75.2	112.8

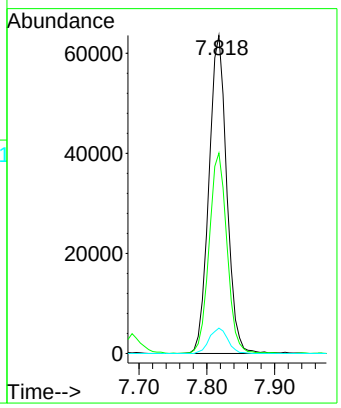




#47
Bromodichloromethane
Concen: 52.648 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 83 Resp: 116199

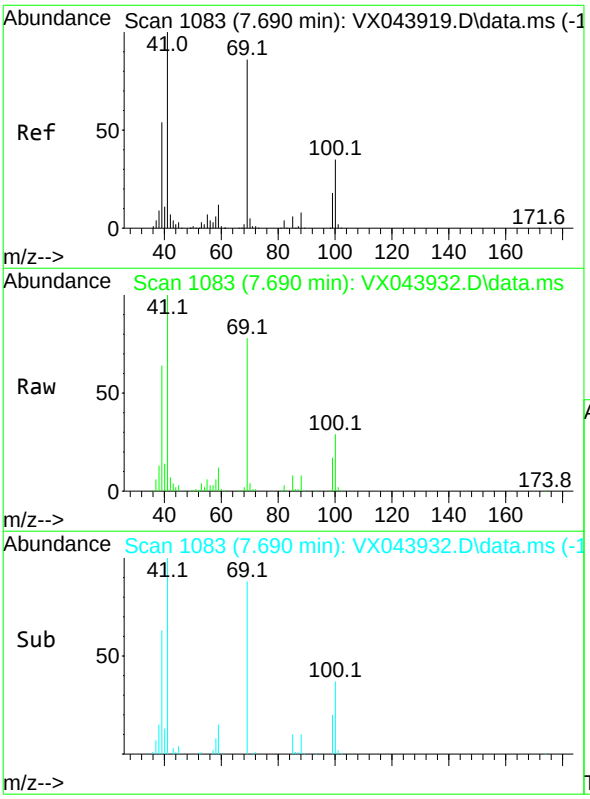
Ion	Ratio	Lower	Upper
83	100		
85	63.0	49.4	74.0
127	8.0	6.2	9.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

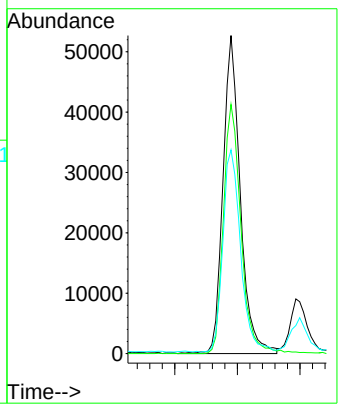
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

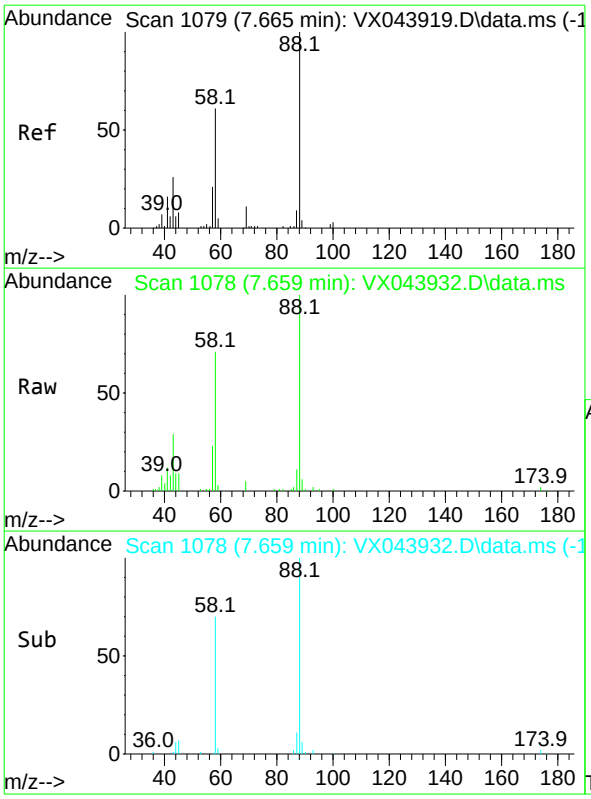


#48
Methyl methacrylate
Concen: 54.369 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 41 Resp: 101062

Ion	Ratio	Lower	Upper
41	100		
69	80.0	72.1	108.1
39	65.2	43.8	65.8





#49
1,4-Dioxane
Concen: 1060.791 ug/l
RT: 7.659 min Scan# 10
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

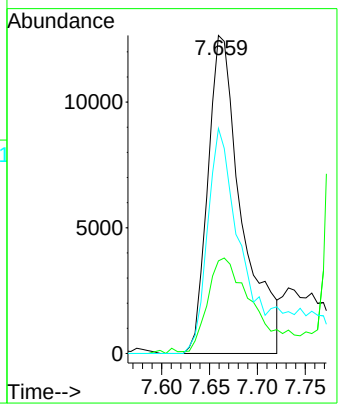
Tgt Ion: 88 Resp: 31178

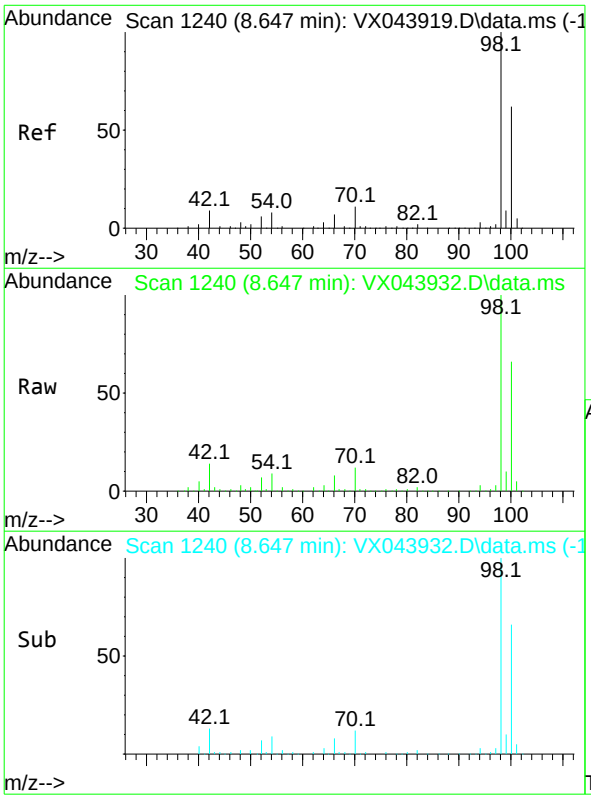
Ion	Ratio	Lower	Upper
88	100		
43	39.9	17.4	26.0#
58	68.3	41.0	61.6#

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

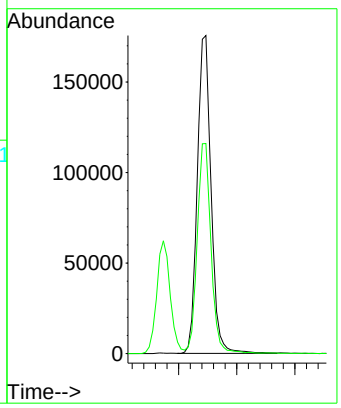


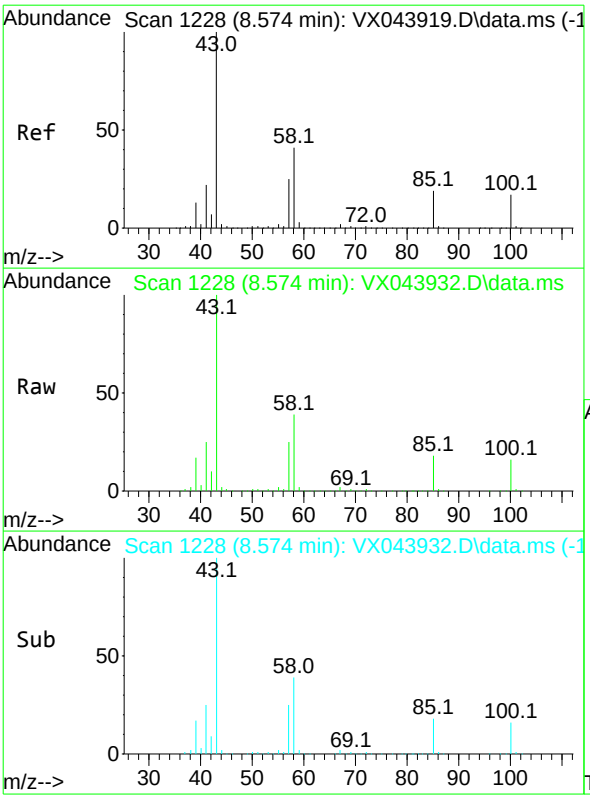


#50
Toluene-d8
Concen: 51.234 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 98 Resp: 289000

Ion	Ratio	Lower	Upper
98	100		
100	65.6	53.0	79.6

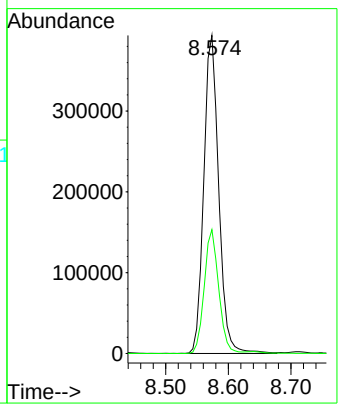




#51
4-Methyl-2-Pentanone
Concen: 265.520 ug/l
RT: 8.574 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 43 Resp: 652721

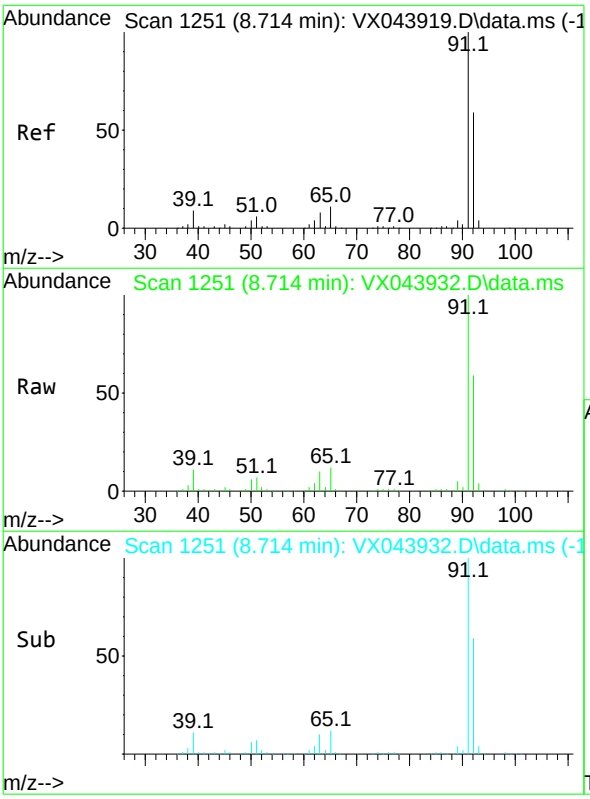
Ion	Ratio	Lower	Upper
43	100		
58	37.6	32.4	48.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

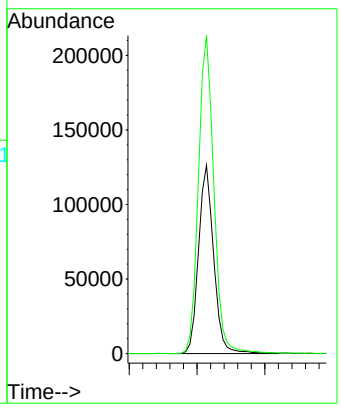
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

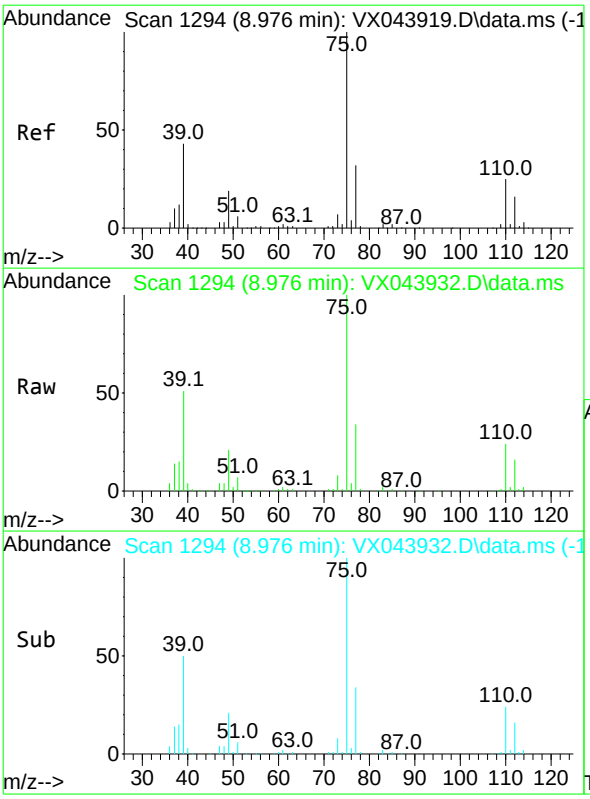


#52
Toluene
Concen: 51.507 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 92 Resp: 195814

Ion	Ratio	Lower	Upper
92	100		
91	172.4	136.2	204.4

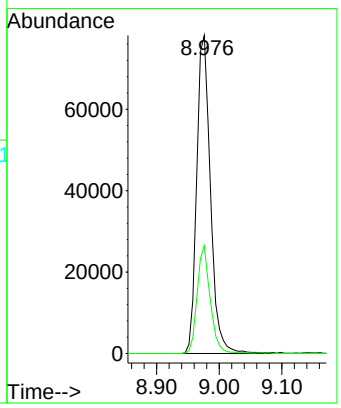




#53
t-1,3-Dichloropropene
Concen: 53.077 ug/l
RT: 8.976 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 75 Resp: 119461

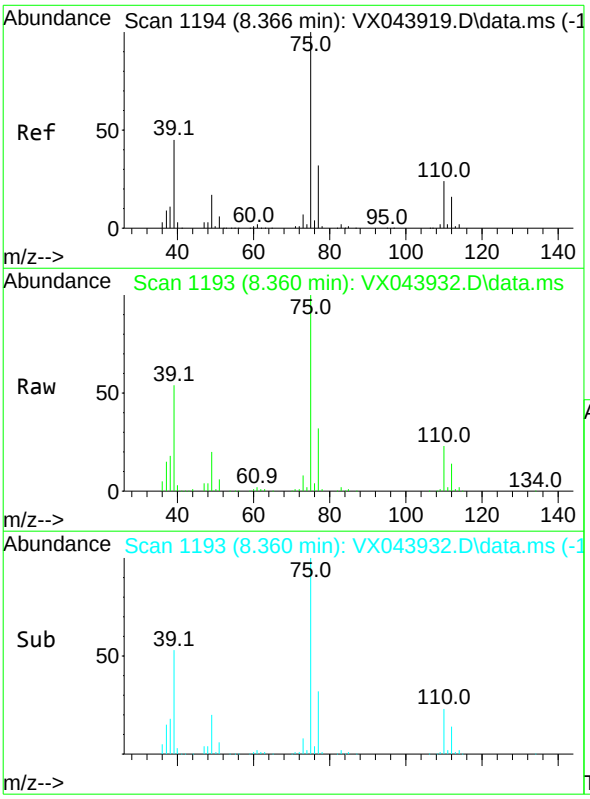
Ion	Ratio	Lower	Upper
75	100		
77	33.9	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

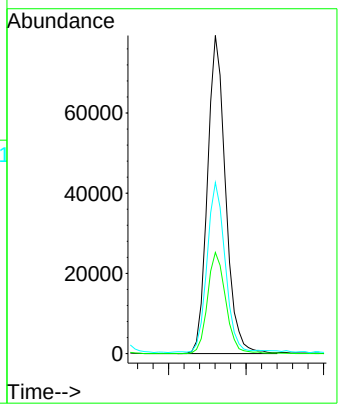
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

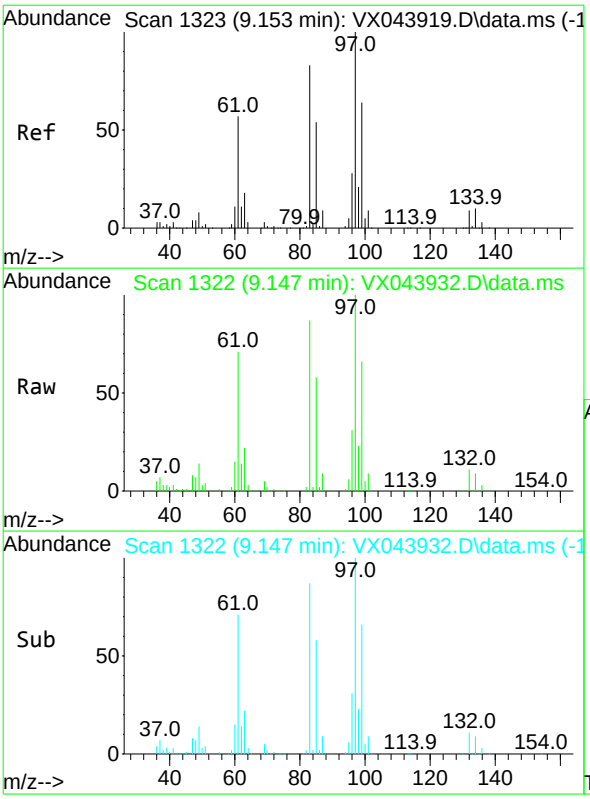


#54
cis-1,3-Dichloropropene
Concen: 52.205 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 75 Resp: 128808

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.2
39	53.2	36.1	54.1

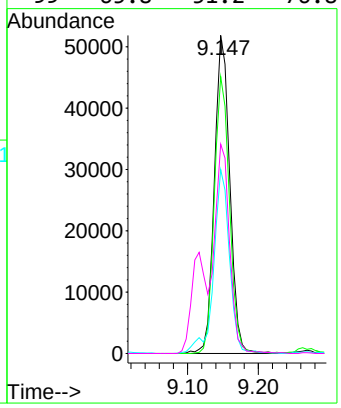




#55
1,1,2-Trichloroethane
Concen: 50.069 ug/l
RT: 9.147 min Scan# 13
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 97 Resp: 78575

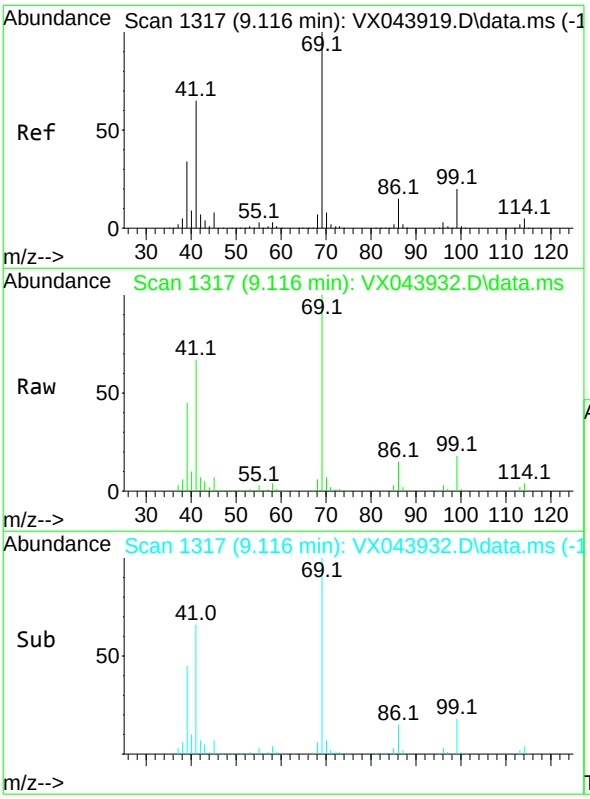
Ion	Ratio	Lower	Upper
97	100		
83	87.0	66.5	99.7
85	57.7	43.4	65.2
99	65.8	51.2	76.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

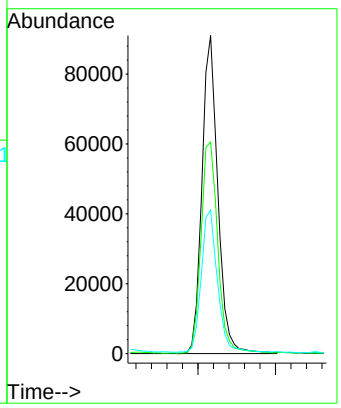
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

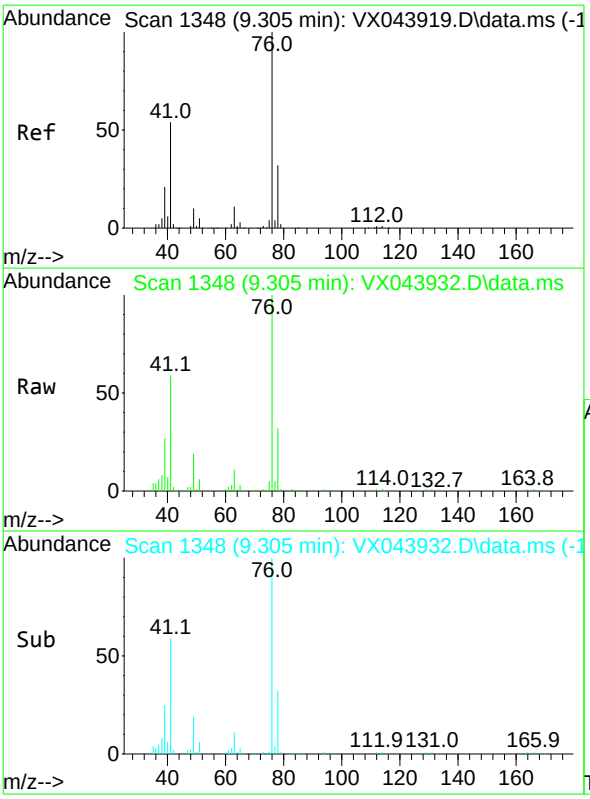


#56
Ethyl methacrylate
Concen: 53.118 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 69 Resp: 129841

Ion	Ratio	Lower	Upper
69	100		
41	69.8	51.7	77.5
39	46.1	26.8	40.2#

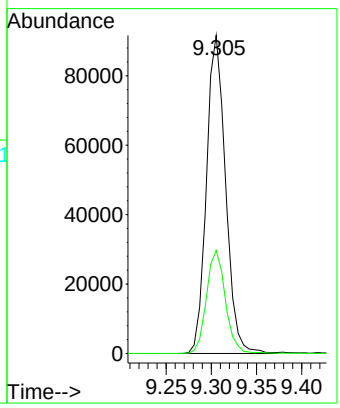




#57
1,3-Dichloropropane
Concen: 50.945 ug/l
RT: 9.305 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 76 Resp: 134680

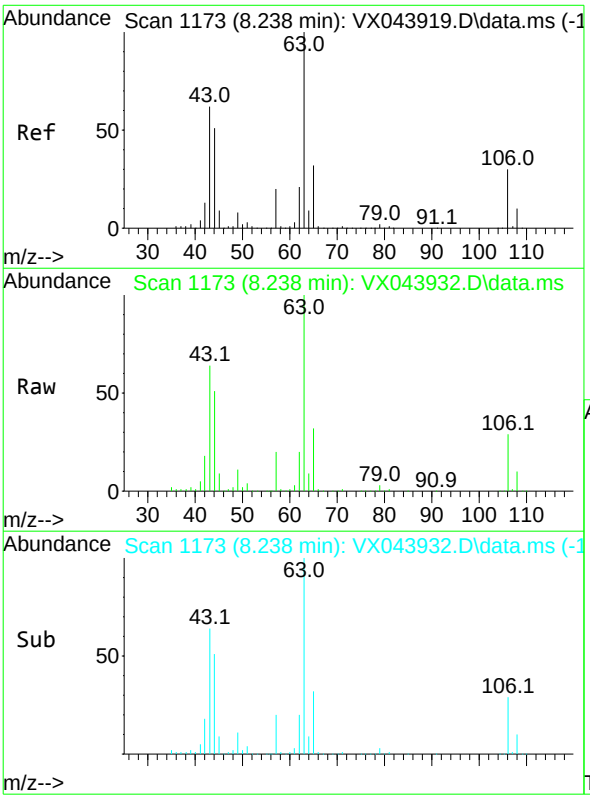
Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

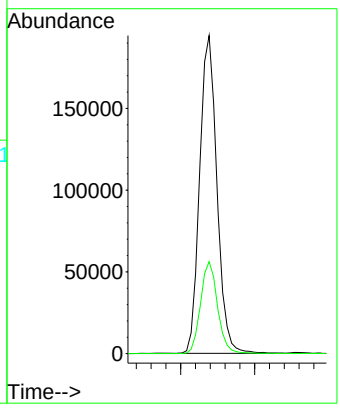
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

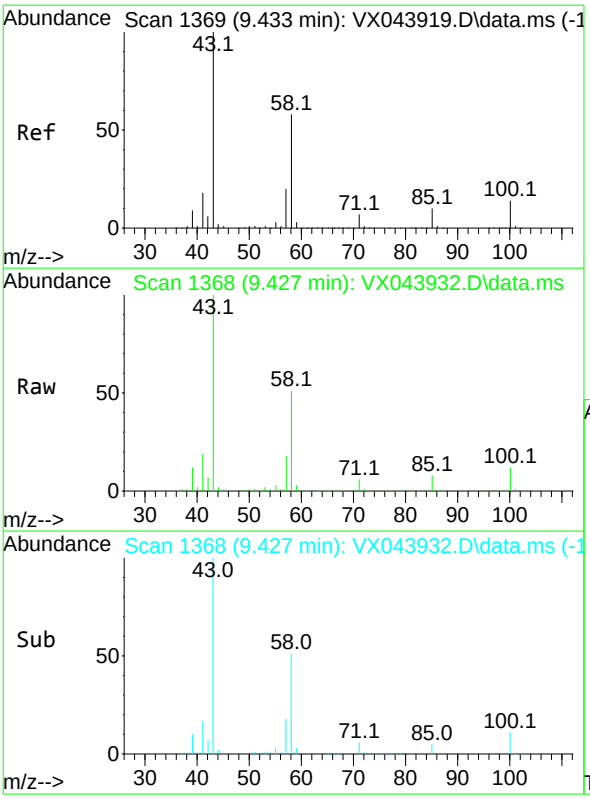


#58
2-Chloroethyl Vinyl ether
Concen: 238.224 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 63 Resp: 315358

Ion	Ratio	Lower	Upper
63	100		
106	28.4	23.8	35.6

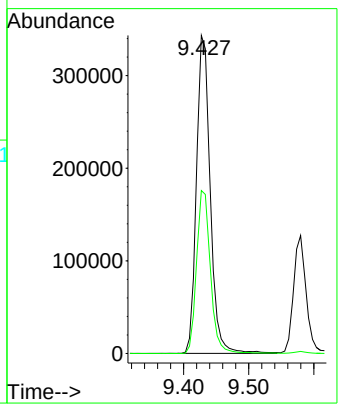




#59
2-Hexanone
Concen: 273.011 ug/l
RT: 9.427 min Scan# 13
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 43 Resp: 504444

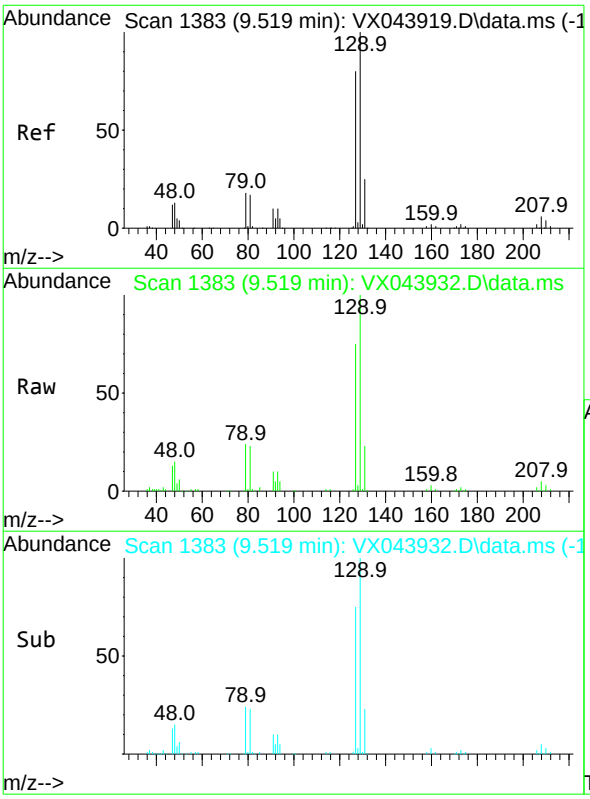
Ion	Ratio	Lower	Upper
43	100		
58	51.8	28.3	84.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

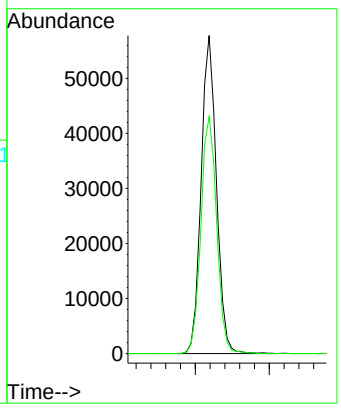
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

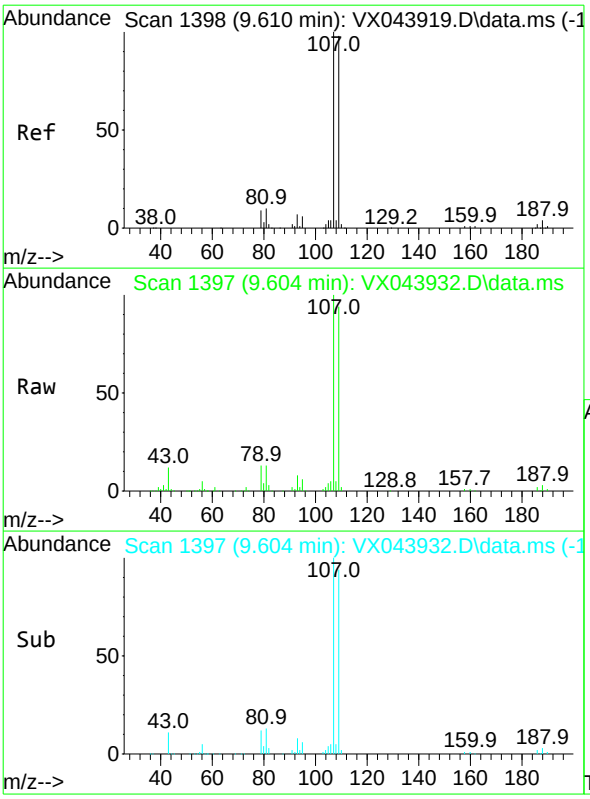


#60
Dibromochloromethane
Concen: 52.557 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:129 Resp: 82754

Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.6	115.8

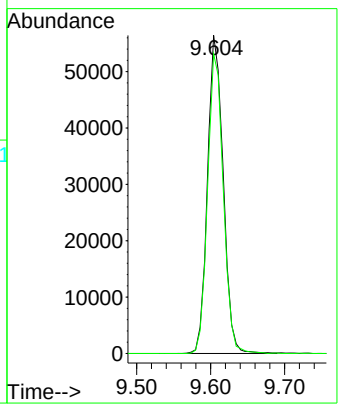




#61
1,2-Dibromoethane
Concen: 52.367 ug/l
RT: 9.604 min Scan# 13
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:107 Resp: 83098

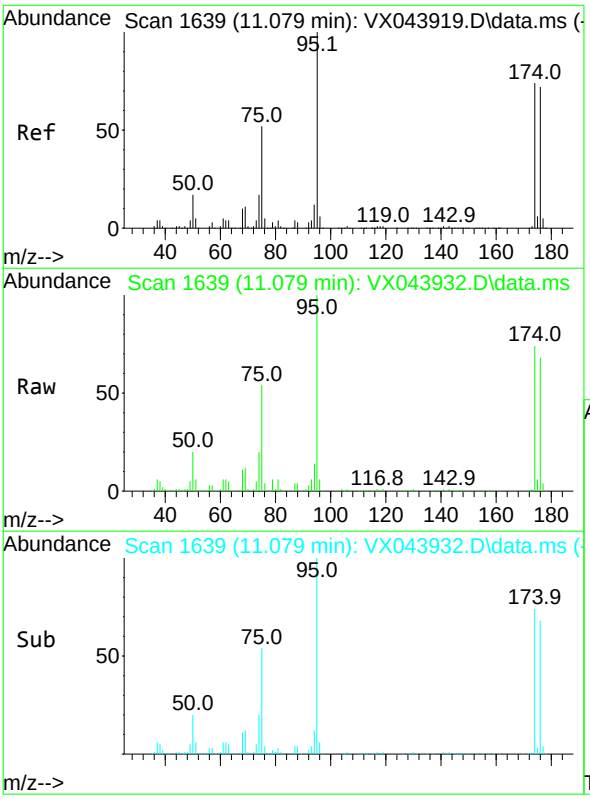
Ion	Ratio	Lower	Upper
107	100		
109	94.2	76.2	114.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

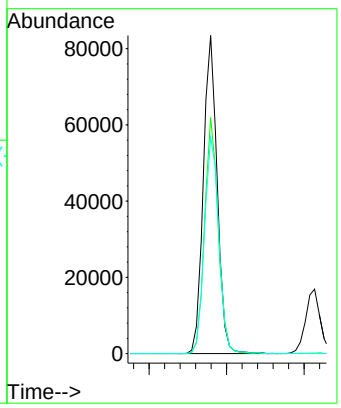
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

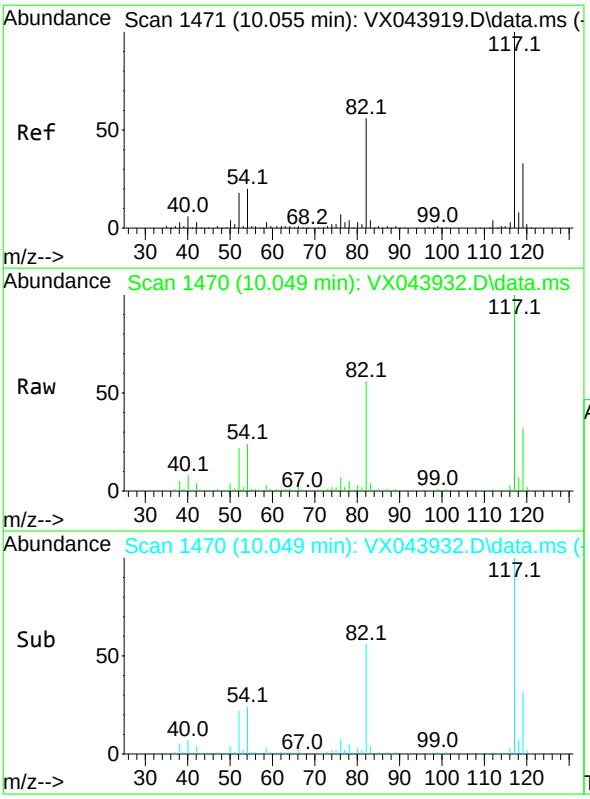


#62
4-Bromofluorobenzene
Concen: 53.987 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 95 Resp: 103640

Ion	Ratio	Lower	Upper
95	100		
174	73.0	0.0	152.2
176	70.5	0.0	145.8

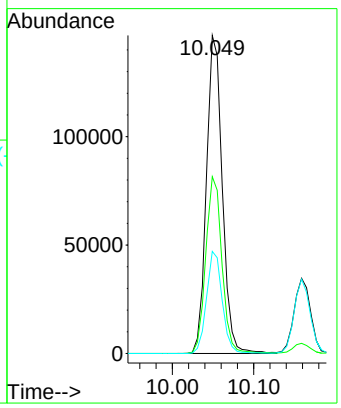




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:117 Resp: 198776

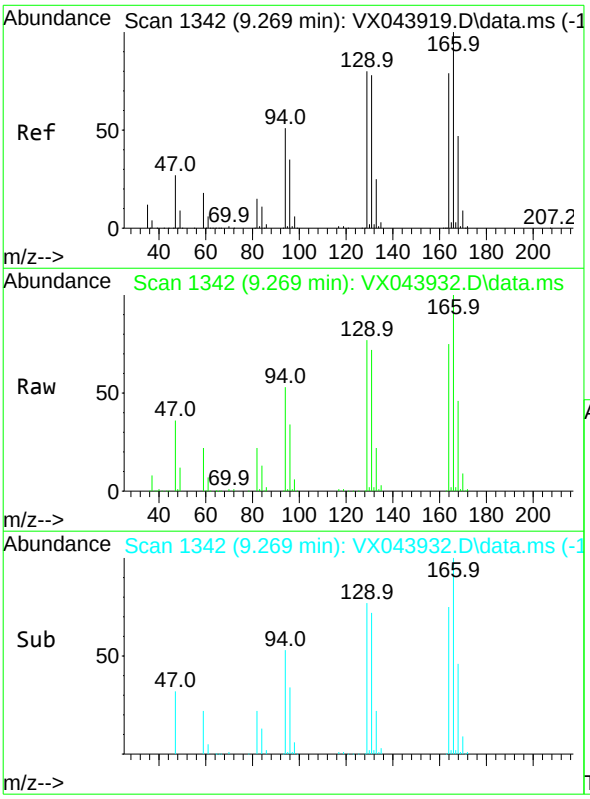
Ion	Ratio	Lower	Upper
117	100		
82	55.6	44.6	67.0
119	32.1	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

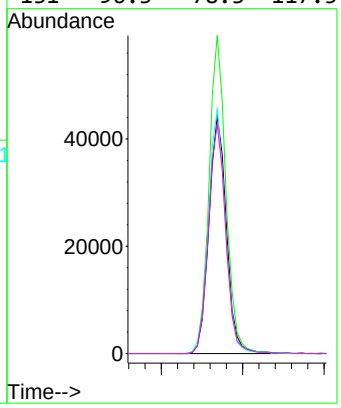
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

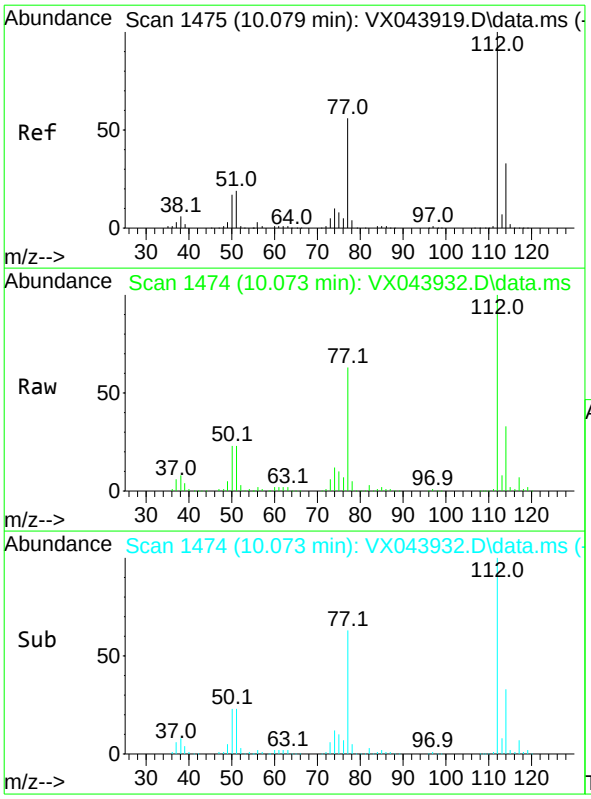


#64
Tetrachloroethene
Concen: 50.396 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:164 Resp: 66054

Ion	Ratio	Lower	Upper
164	100		
166	133.9	100.9	151.3
129	102.7	80.3	120.5
131	96.3	78.3	117.5

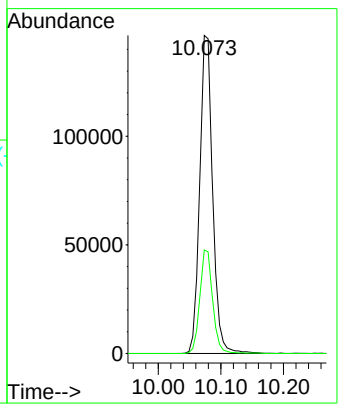




#65
Chlorobenzene
Concen: 48.094 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:112 Resp: 209963

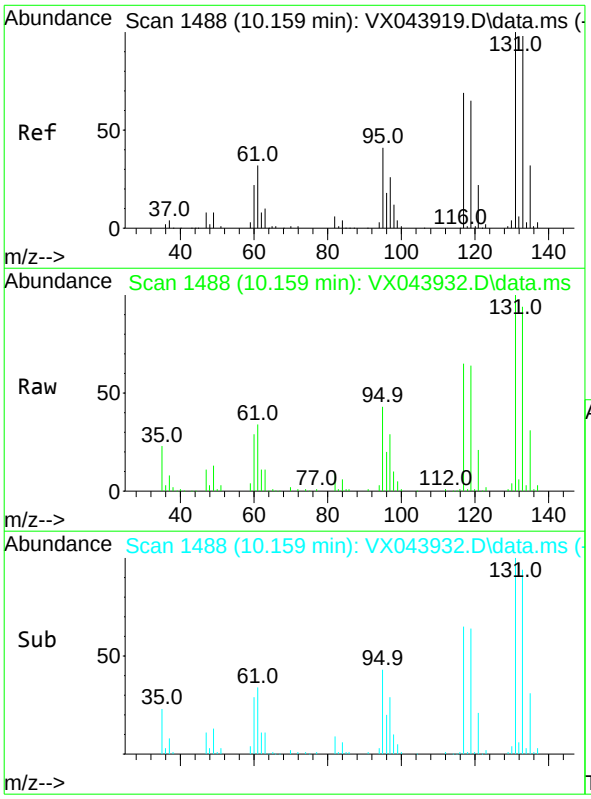
Ion	Ratio	Lower	Upper
112	100		
114	32.6	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

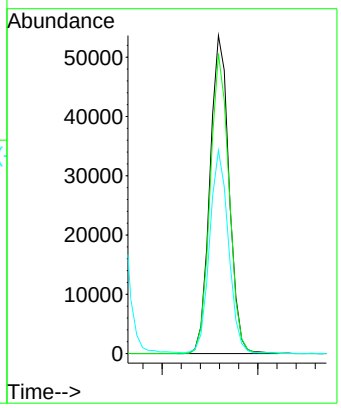
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

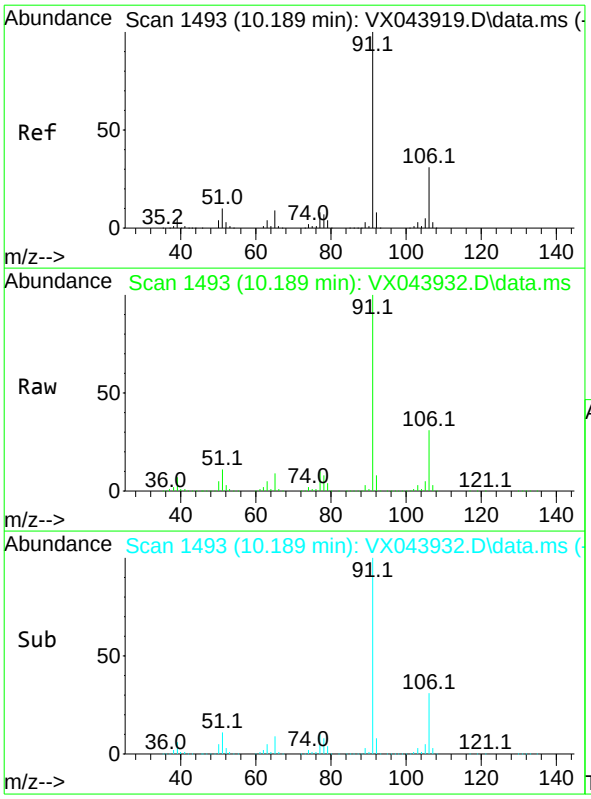


#66
1,1,1,2-Tetrachloroethane
Concen: 52.515 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:131 Resp: 74354

Ion	Ratio	Lower	Upper
131	100		
133	92.9	48.8	146.3
119	63.5	32.9	98.7

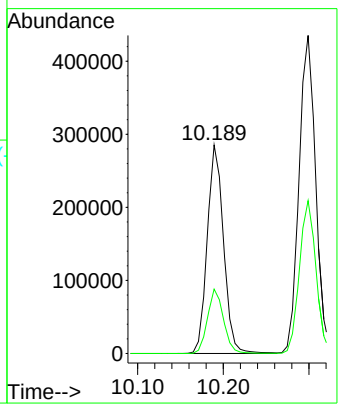




#67
Ethyl Benzene
Concen: 50.991 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 91 Resp: 377215

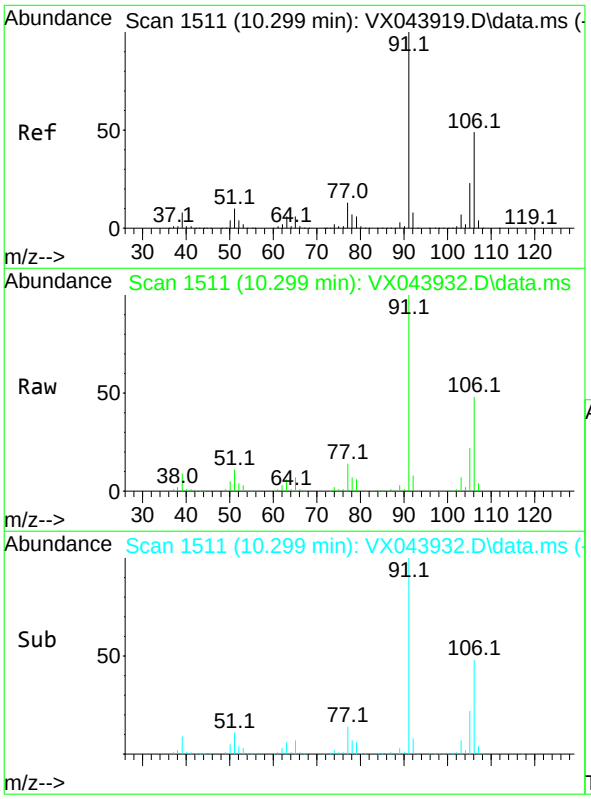
Ion	Ratio	Lower	Upper
91	100		
106	30.9	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

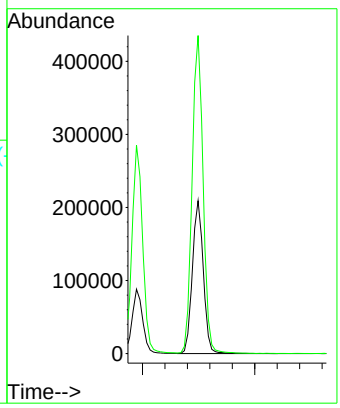
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

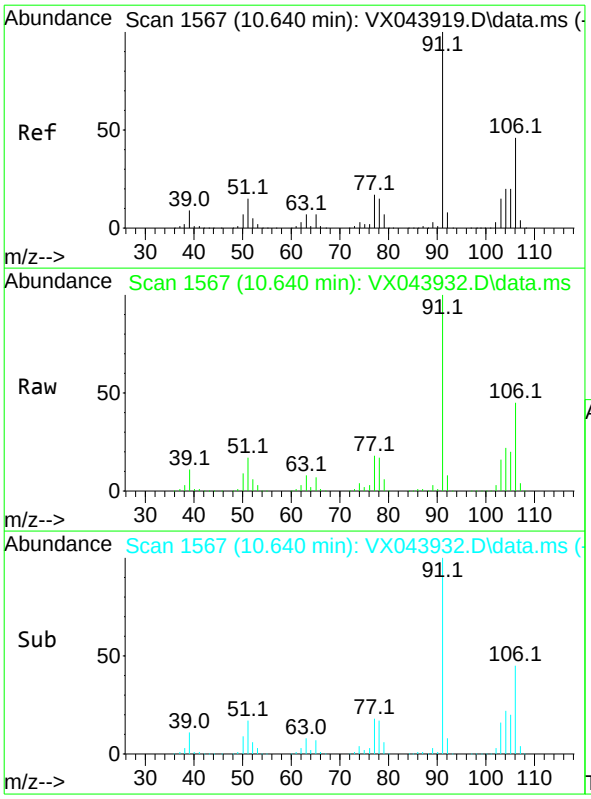


#68
m/p-Xylenes
Concen: 102.572 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:106 Resp: 282971

Ion	Ratio	Lower	Upper
106	100		
91	208.6	163.3	244.9

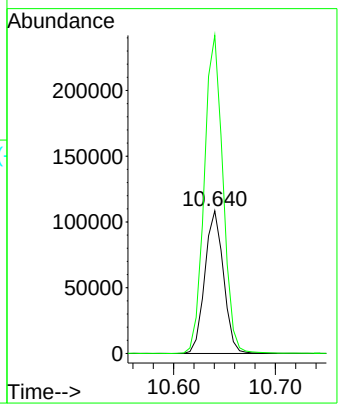




#69
o-Xylene
Concen: 51.396 ug/l
RT: 10.640 min Scan# 15
Delta R.T. 0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:106 Resp: 138437

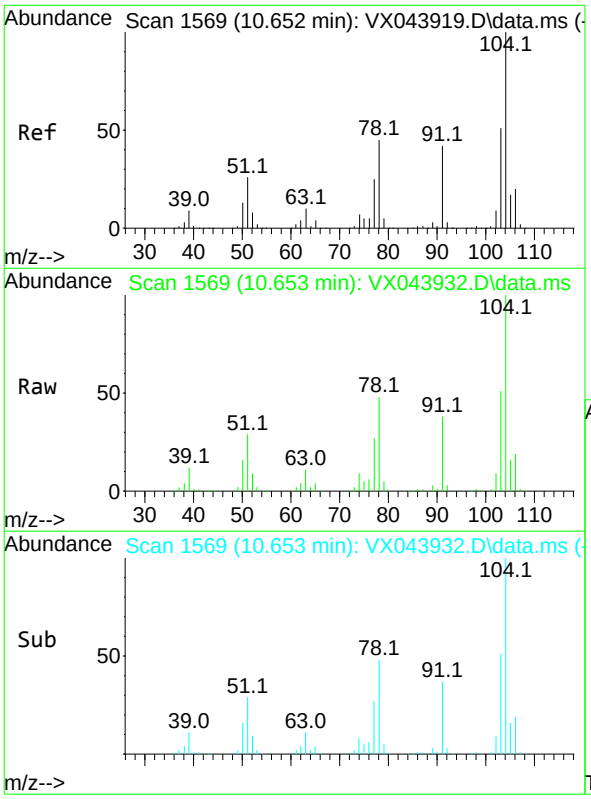
Ion	Ratio	Lower	Upper
106	100		
91	223.5	109.6	328.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations APPROVED

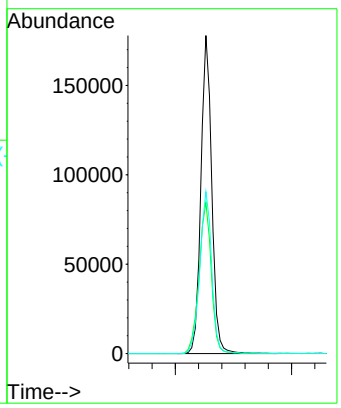
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

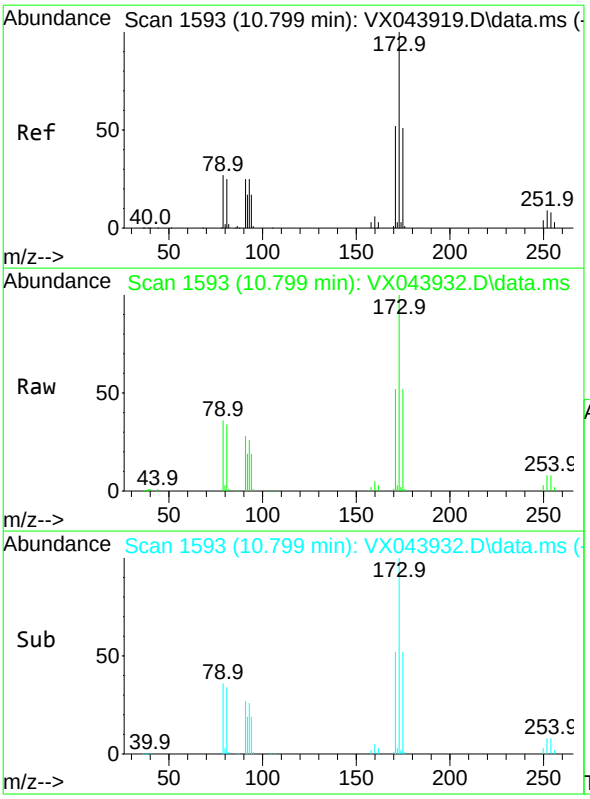


#70
Styrene
Concen: 51.728 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.001 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:104 Resp: 230449

Ion	Ratio	Lower	Upper
104	100		
78	53.9	40.3	60.5
103	56.0	43.9	65.9





#71
Bromoform
Concen: 44.797 ug/l
RT: 10.799 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

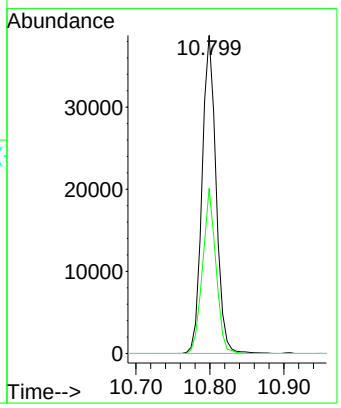
Tgt Ion:173 Resp: 50837

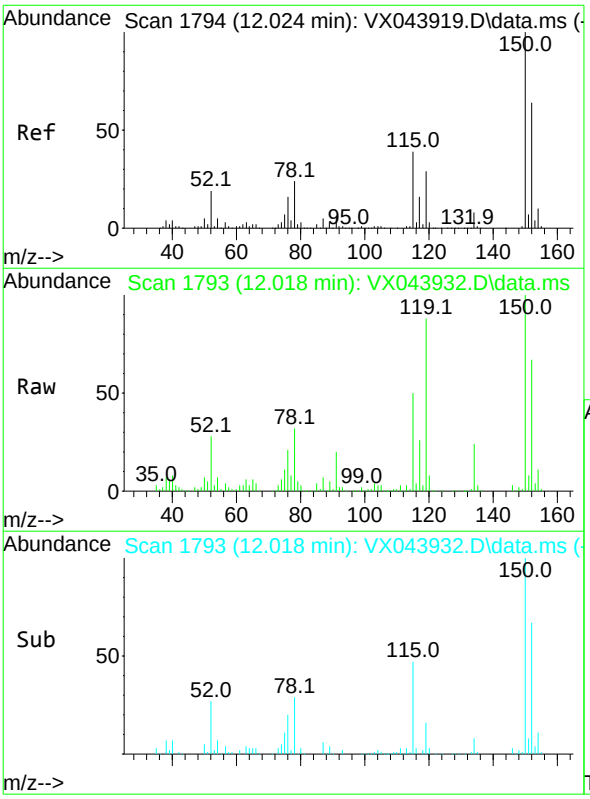
Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.6	73.8
254	0.0	0.1	0.1#

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

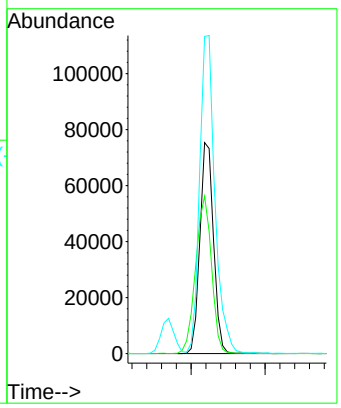


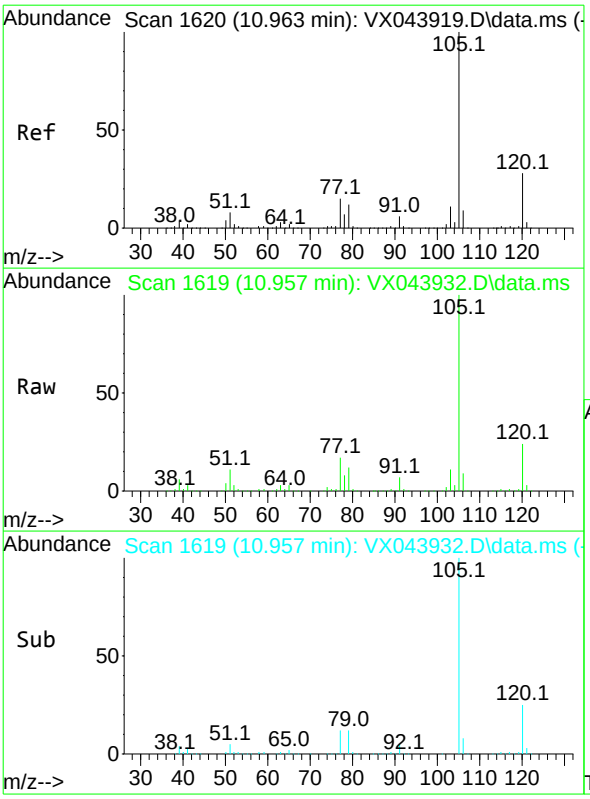


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:152 Resp: 96489

Ion	Ratio	Lower	Upper
152	100		
115	87.3	42.1	126.3
150	169.5	0.0	348.2

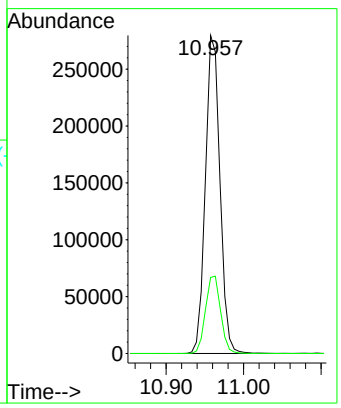




#73
Isopropylbenzene
Concen: 49.222 ug/l
RT: 10.957 min Scan# 16
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:105 Resp: 365084

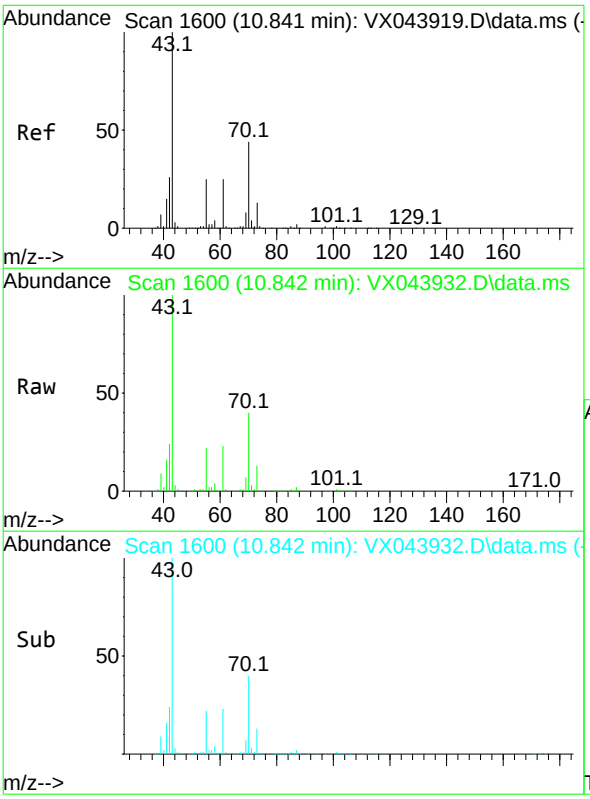
Ion	Ratio	Lower	Upper
105	100		
120	25.3	13.3	39.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations APPROVED

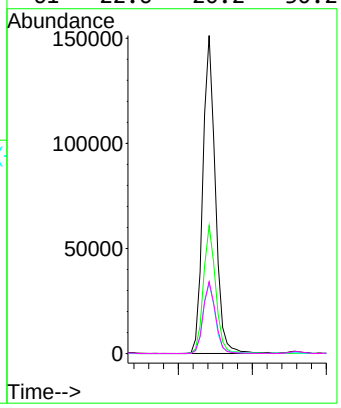
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

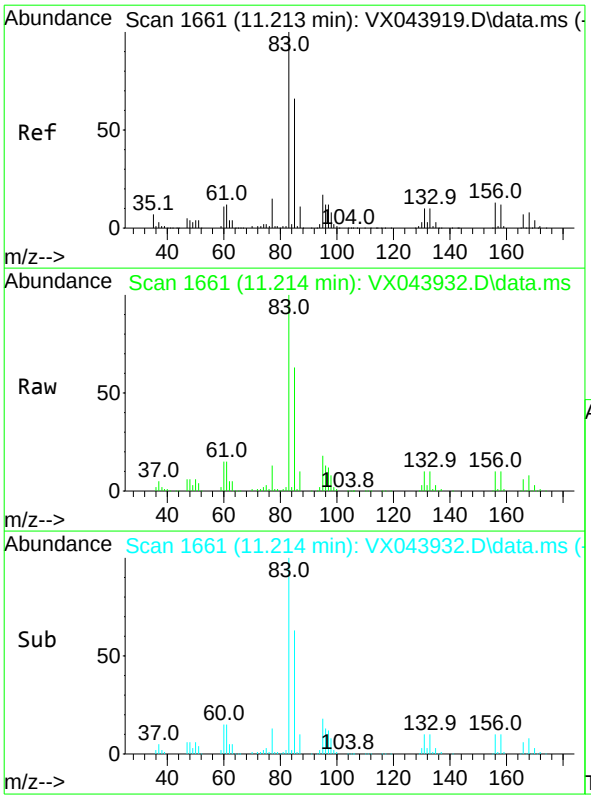


#74
N-amyl acetate
Concen: 51.406 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.001 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 43 Resp: 176627

Ion	Ratio	Lower	Upper
43	100		
70	39.7	36.5	54.7
55	22.4	19.6	29.4
61	22.6	20.2	30.2





#75
1,1,2,2-Tetrachloroethane
Concen: 49.356 ug/l
RT: 11.214 min Scan# 16
Delta R.T. 0.001 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

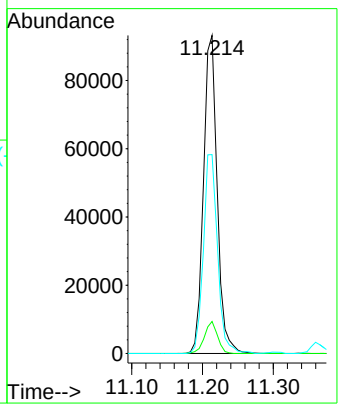
Tgt Ion: 83 Resp: 125346

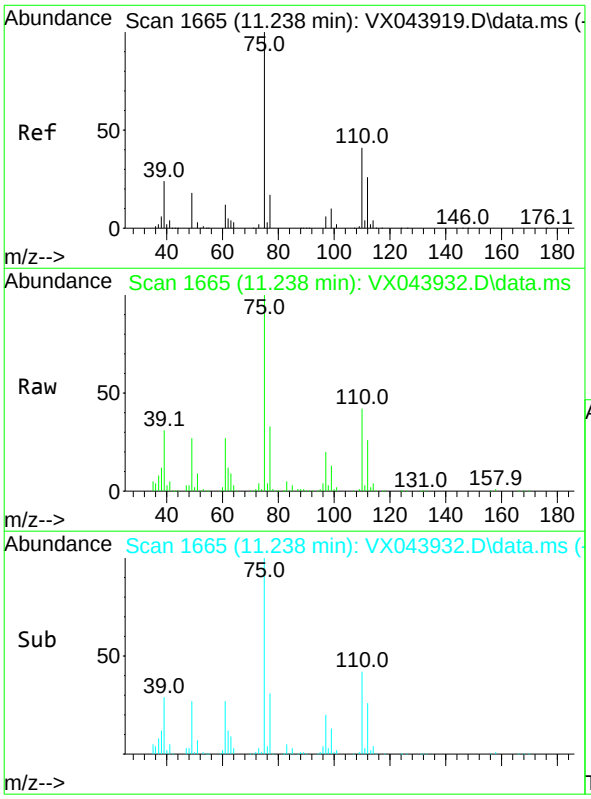
Ion	Ratio	Lower	Upper
83	100		
131	9.6	5.1	15.3
85	64.9	32.3	96.9

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

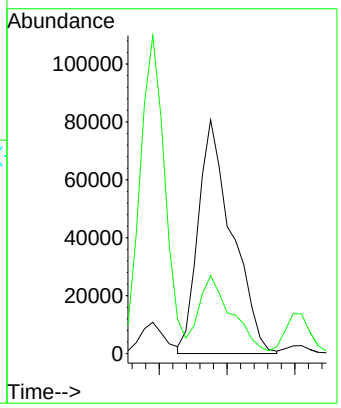


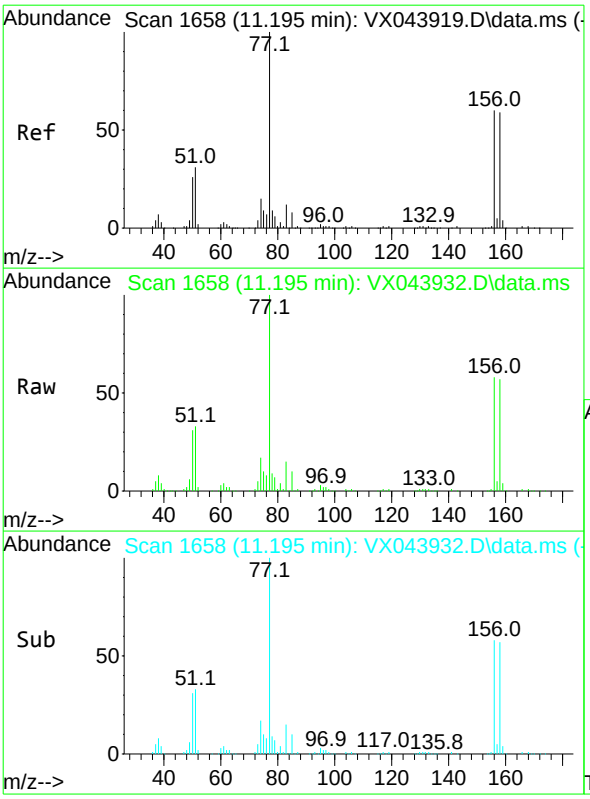


#76
1,2,3-Trichloropropane
Concen: 66.099 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 75 Resp: 139865

Ion	Ratio	Lower	Upper
75	100		
77	32.3	22.4	67.0

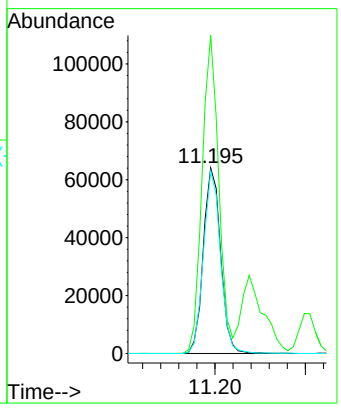




#77
Bromobenzene
Concen: 48.081 ug/l
RT: 11.195 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:156 Resp: 85070

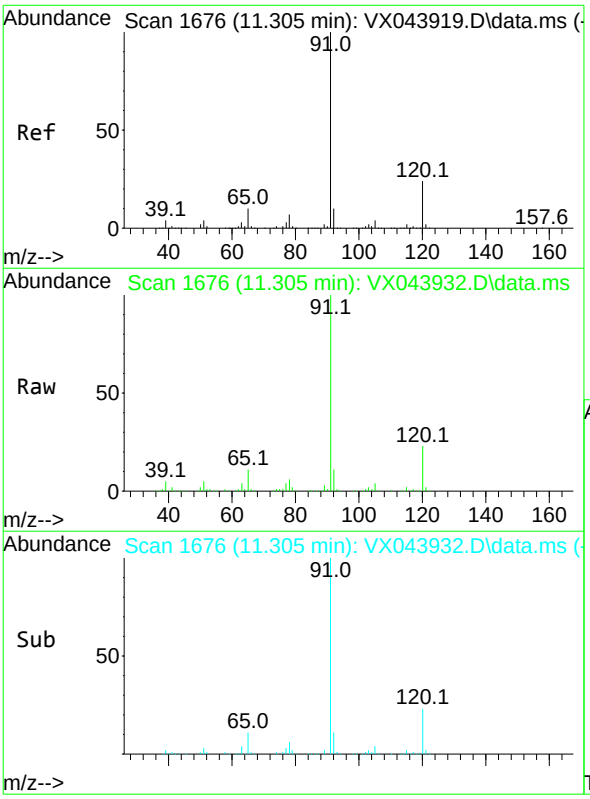
Ion	Ratio	Lower	Upper
156	100		
77	165.4	81.2	243.6
158	96.9	48.6	145.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

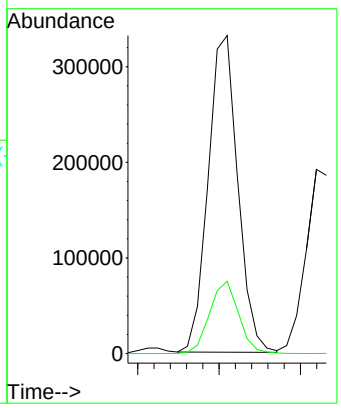
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

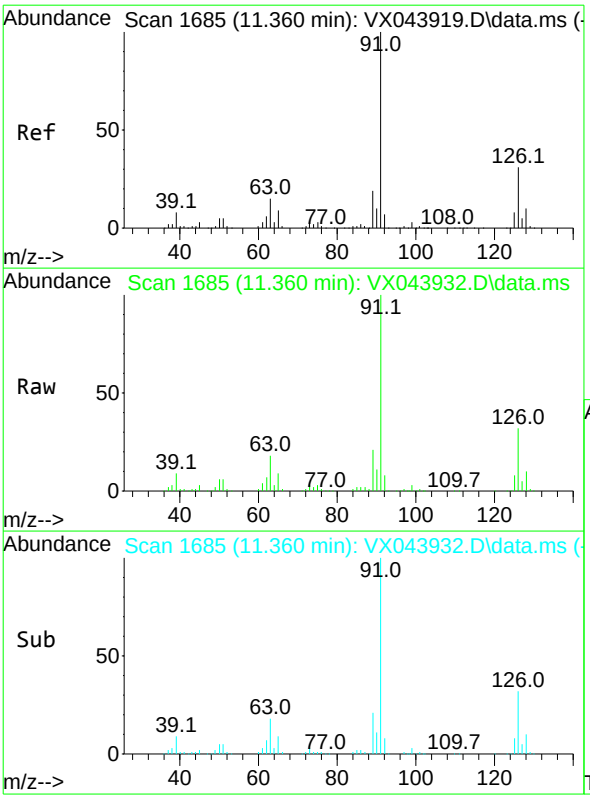


#78
n-propylbenzene
Concen: 50.652 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 91 Resp: 419586

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.5	34.5

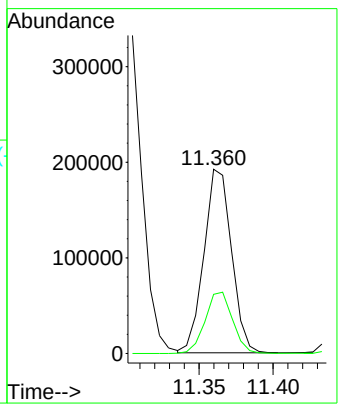




#79
2-Chlorotoluene
Concen: 47.551 ug/l
RT: 11.360 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 91 Resp: 249079

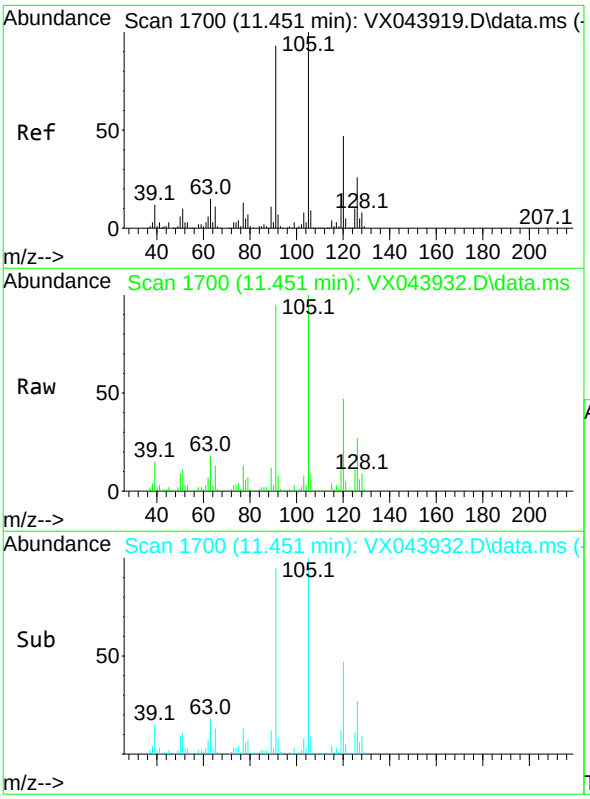
Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
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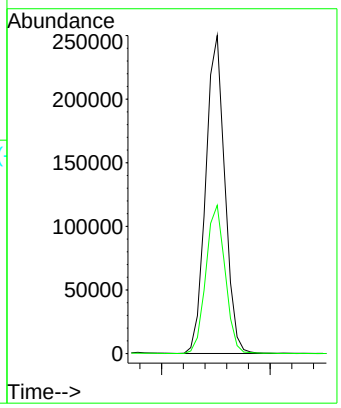
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

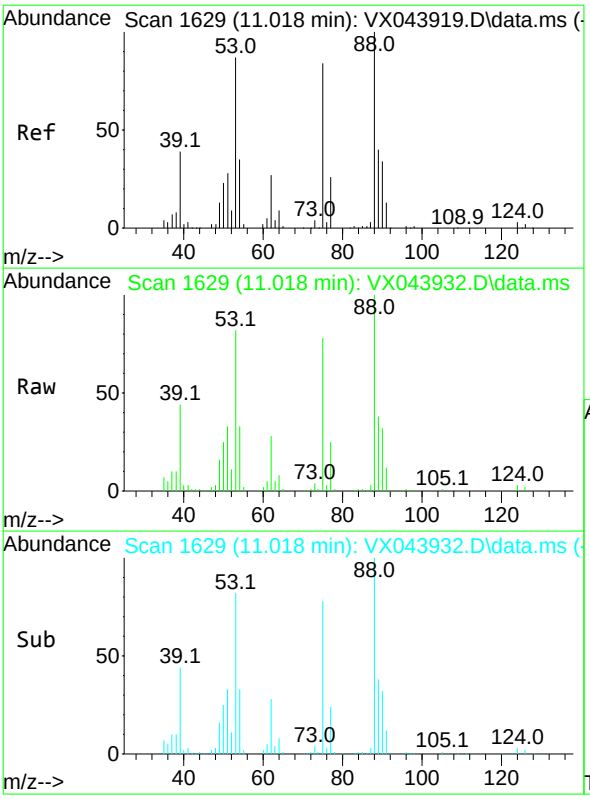


#80
1,3,5-Trimethylbenzene
Concen: 50.134 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:105 Resp: 305922

Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.8	71.5





#81
trans-1,4-Dichloro-2-butene
Concen: 49.756 ug/l
RT: 11.018 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

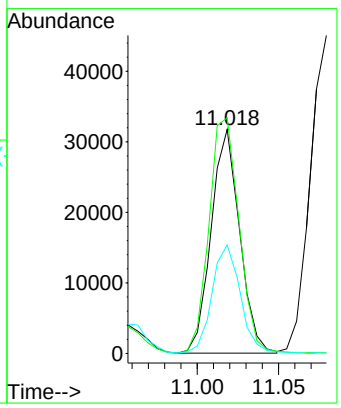
Tgt Ion: 75 Resp: 38583

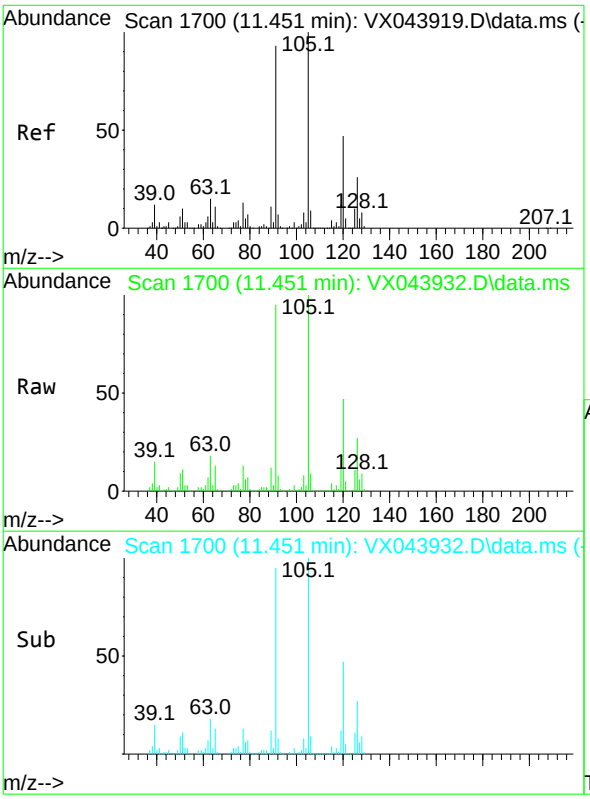
Ion	Ratio	Lower	Upper
75	100		
53	111.7	81.7	122.5
89	48.1	38.6	57.8

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
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Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

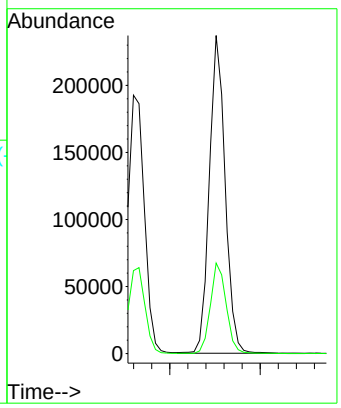


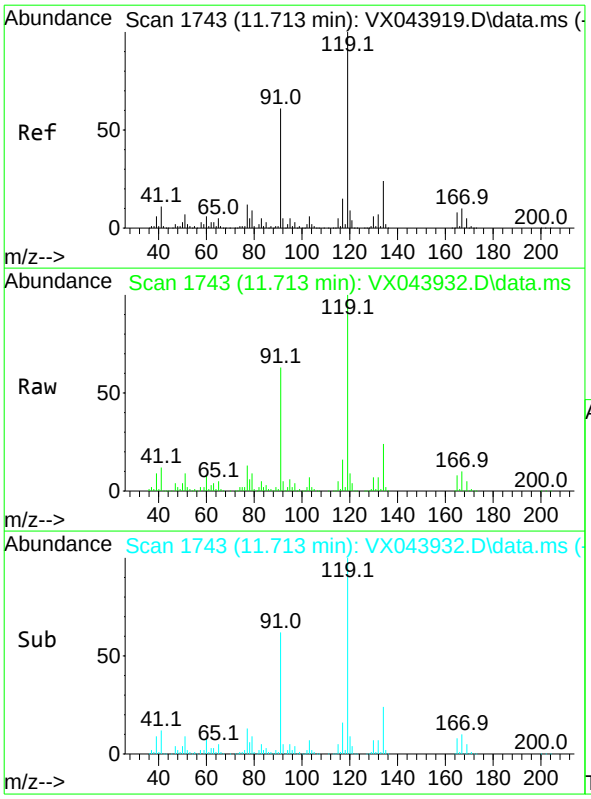


#82
4-Chlorotoluene
Concen: 48.652 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 91 Resp: 287717

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.4	43.2

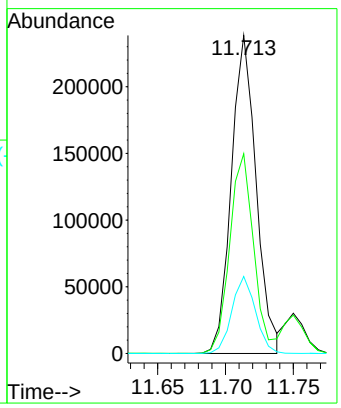




#83
tert-Butylbenzene
Concen: 50.165 ug/l
RT: 11.713 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:119 Resp: 303408

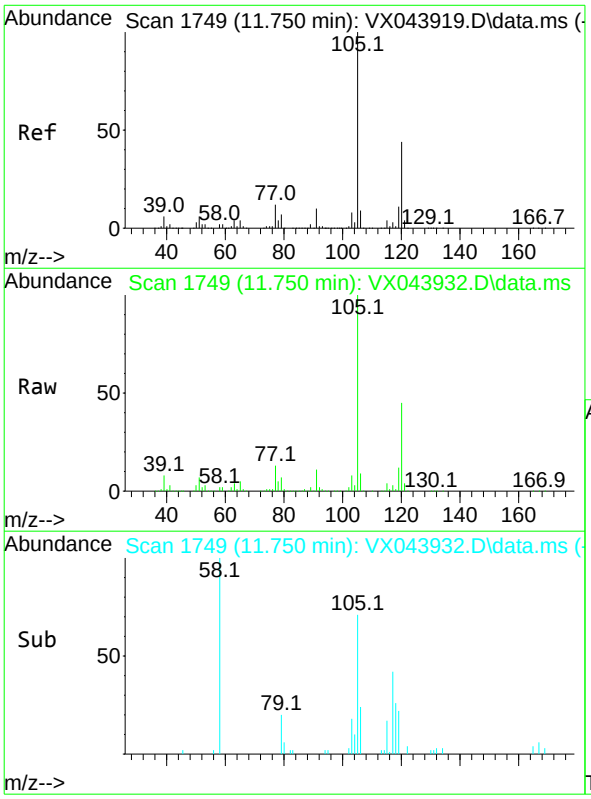
Ion	Ratio	Lower	Upper
119	100		
91	61.2	29.5	88.6
134	23.1	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

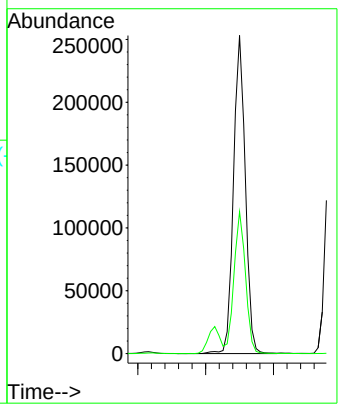
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

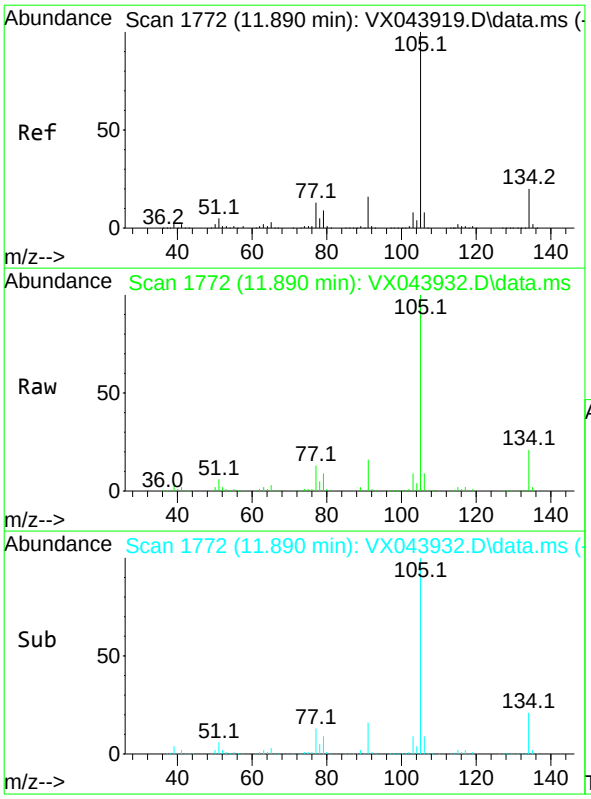


#84
1,2,4-Trimethylbenzene
Concen: 50.410 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:105 Resp: 306251

Ion	Ratio	Lower	Upper
105	100		
120	43.8	21.7	65.1

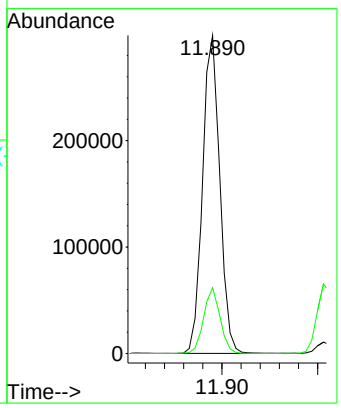




#85
sec-Butylbenzene
Concen: 50.307 ug/l
RT: 11.890 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:105 Resp: 372793

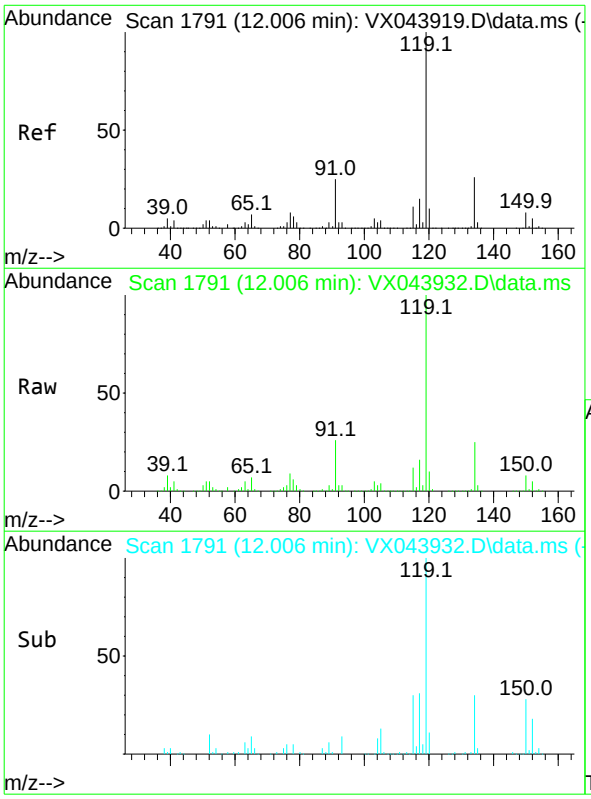
Ion	Ratio	Lower	Upper
105	100		
134	19.8	10.0	29.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

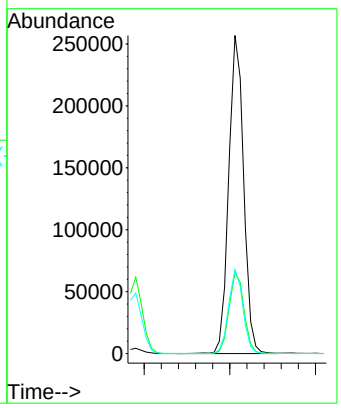
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

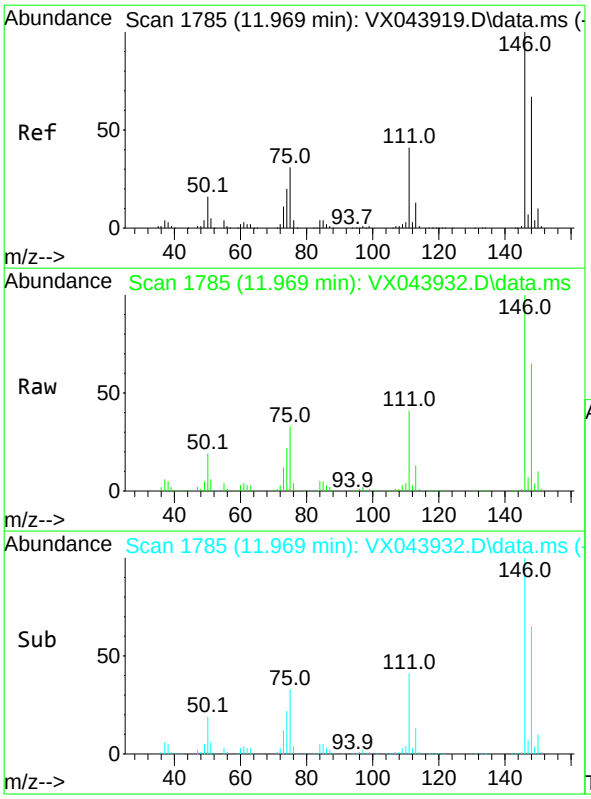


#86
p-Isopropyltoluene
Concen: 51.511 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:119 Resp: 310060

Ion	Ratio	Lower	Upper
119	100		
134	25.6	13.0	38.9
91	25.7	12.3	36.8

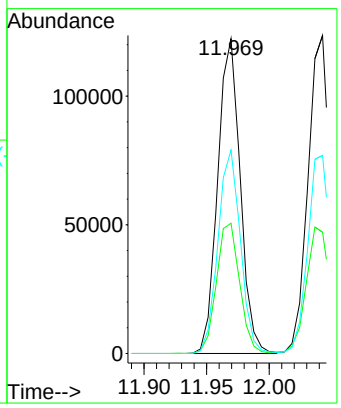




#87
1,3-Dichlorobenzene
Concen: 47.529 ug/l
RT: 11.969 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:146 Resp: 153164

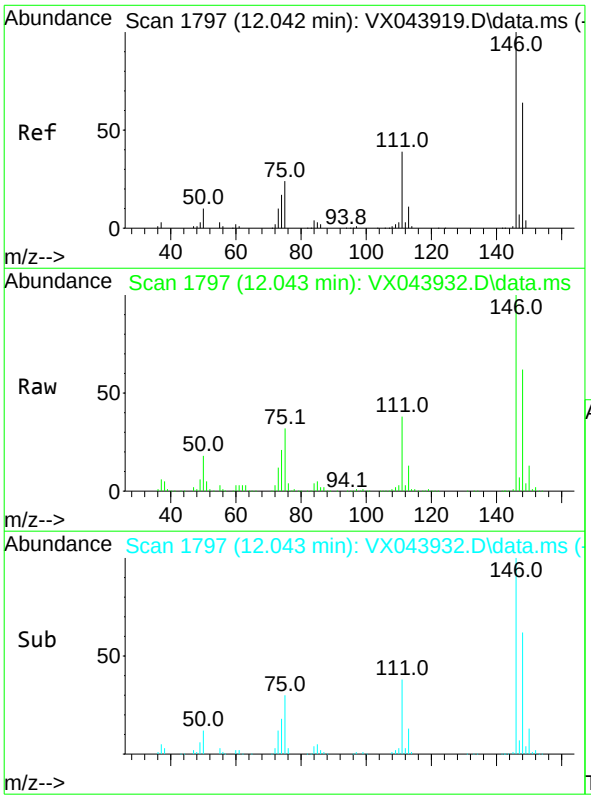
Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.8	62.2
148	64.4	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

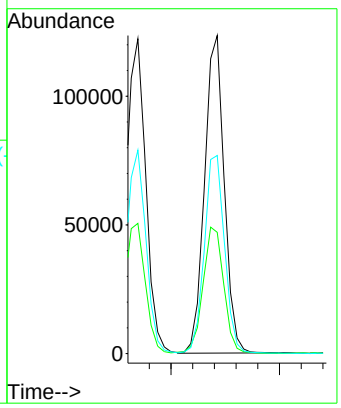
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

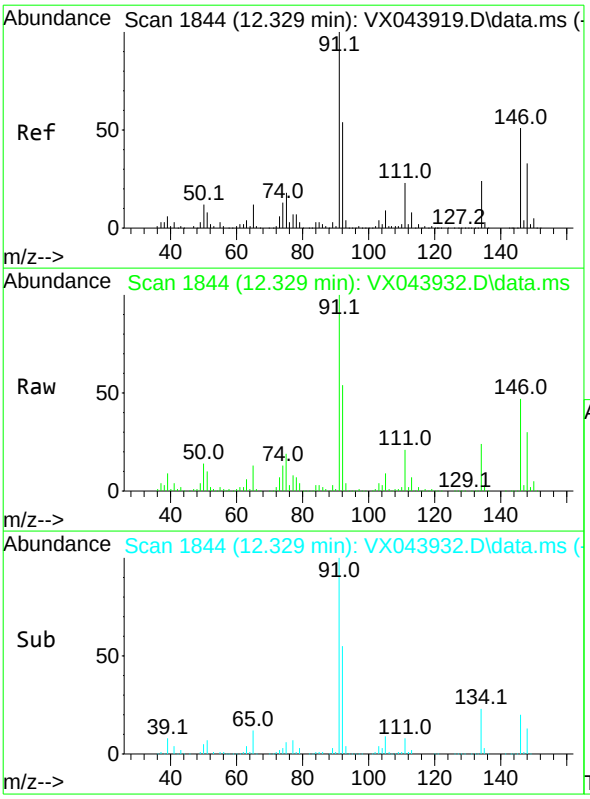


#88
1,4-Dichlorobenzene
Concen: 48.010 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.001 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:146 Resp: 155422

Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.1	60.2
148	64.7	32.2	96.6





#89
n-Butylbenzene
Concen: 52.020 ug/l
RT: 12.329 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

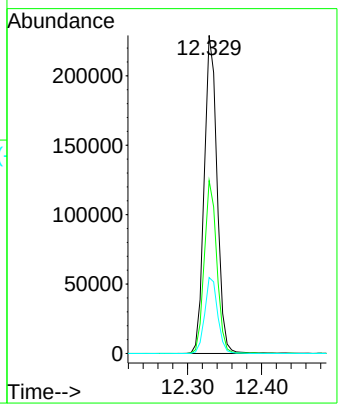
Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

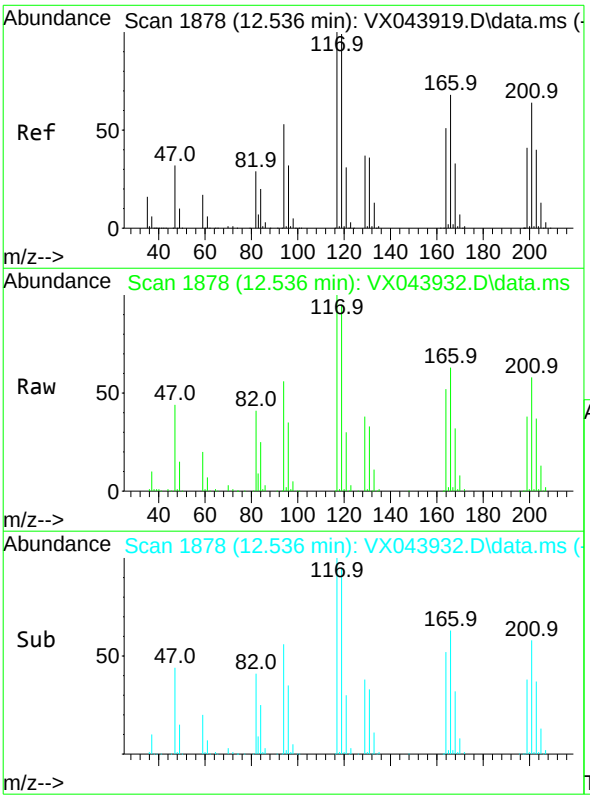
Tgt Ion: 91 Resp: 276075

Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.9	80.6
134	24.0	12.9	38.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

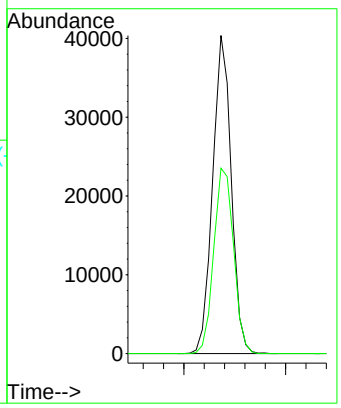


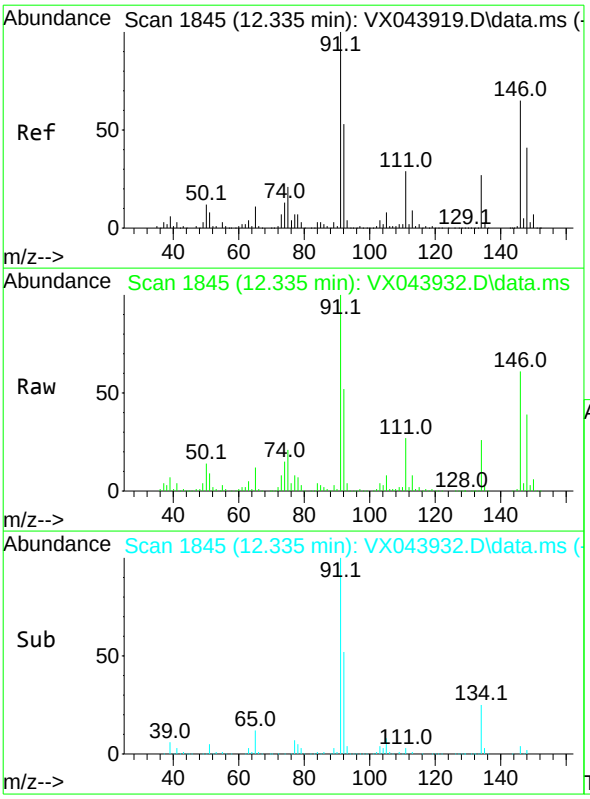


#90
Hexachloroethane
Concen: 50.050 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:117 Resp: 51229

Ion	Ratio	Lower	Upper
117	100		
201	62.2	34.1	102.3

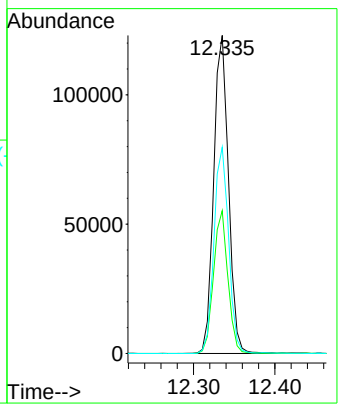




#91
1,2-Dichlorobenzene
Concen: 47.656 ug/l
RT: 12.335 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:146 Resp: 154980

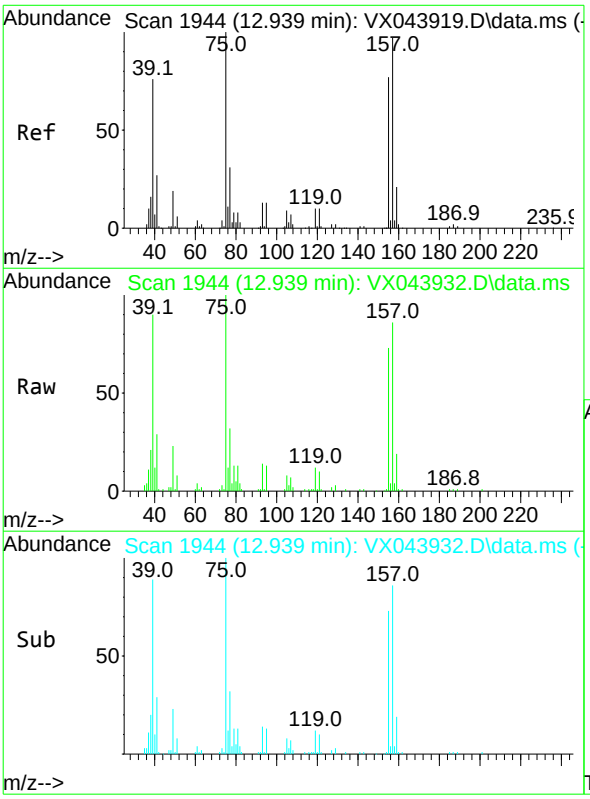
Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.7	65.1
148	64.3	31.6	94.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

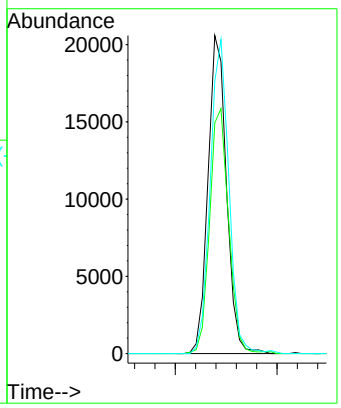
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

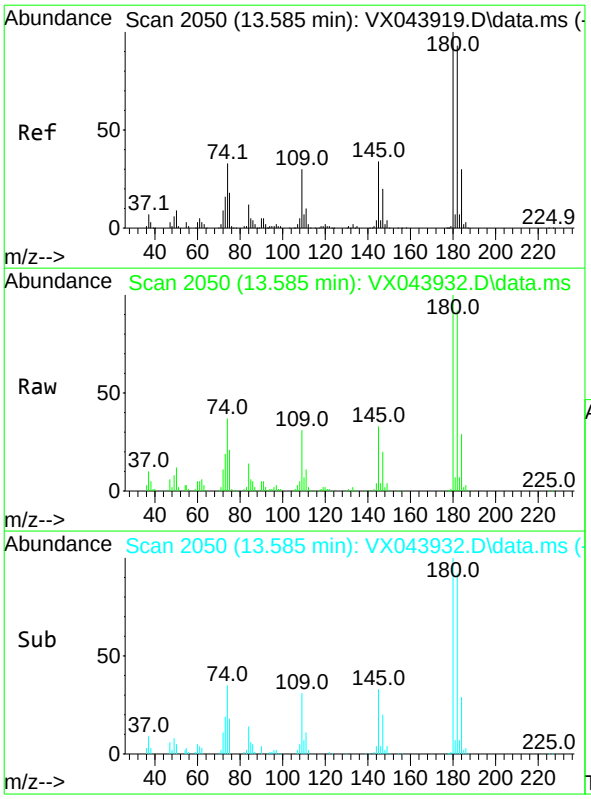


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.030 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 75 Resp: 25968

Ion	Ratio	Lower	Upper
75	100		
155	79.4	40.8	122.5
157	99.8	54.3	162.9





#93
1,2,4-Trichlorobenzene
Concen: 49.495 ug/l
RT: 13.585 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

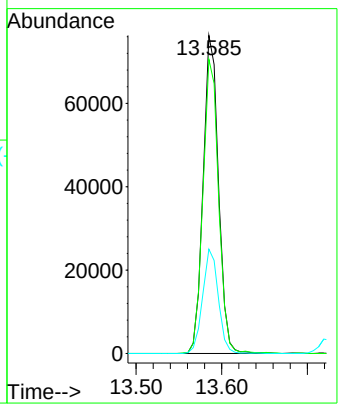
Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

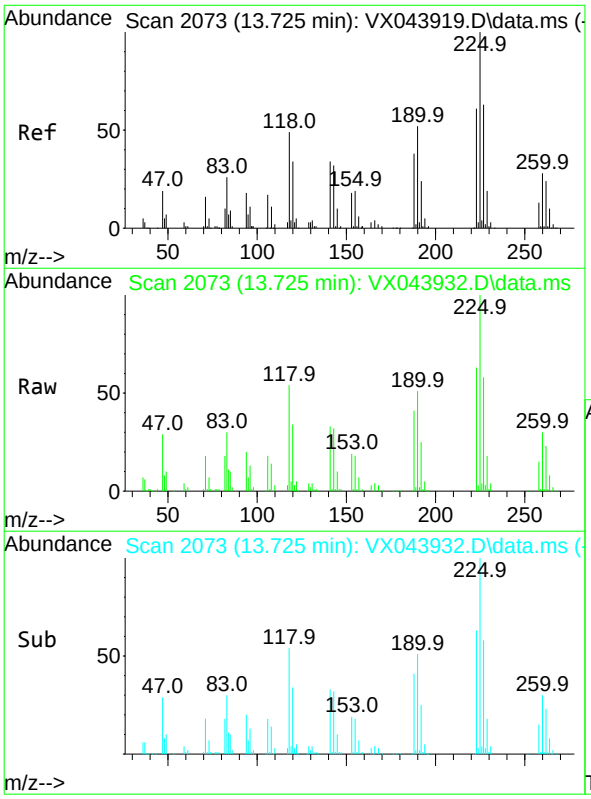
Tgt Ion:180 Resp: 94896

Ion	Ratio	Lower	Upper
180	100		
182	94.6	46.8	140.4
145	33.6	16.4	49.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

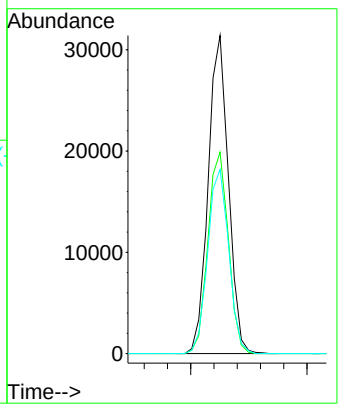


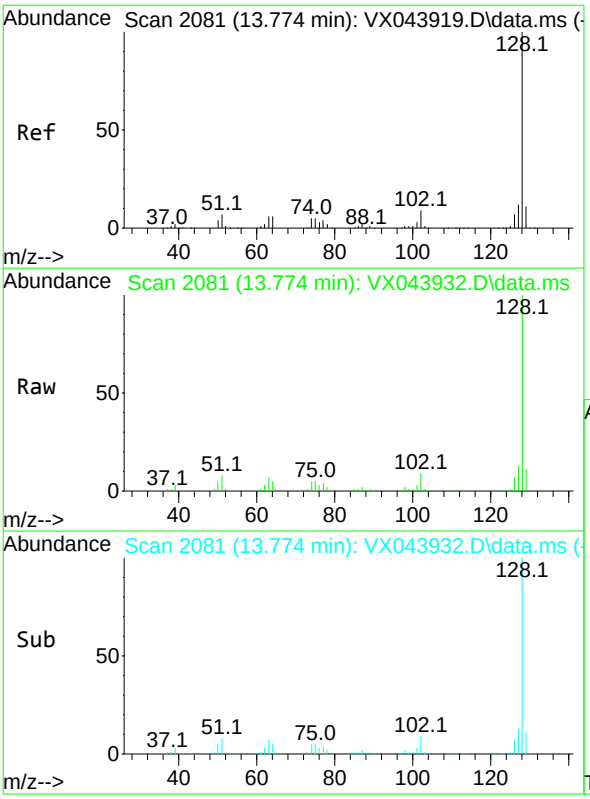


#94
Hexachlorobutadiene
Concen: 50.065 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:225 Resp: 37937

Ion	Ratio	Lower	Upper
225	100		
223	64.1	31.1	93.3
227	60.3	29.8	89.5

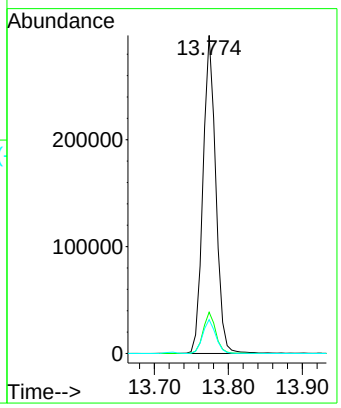




#95
Naphthalene
Concen: 51.831 ug/l
RT: 13.774 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:128 Resp: 357725

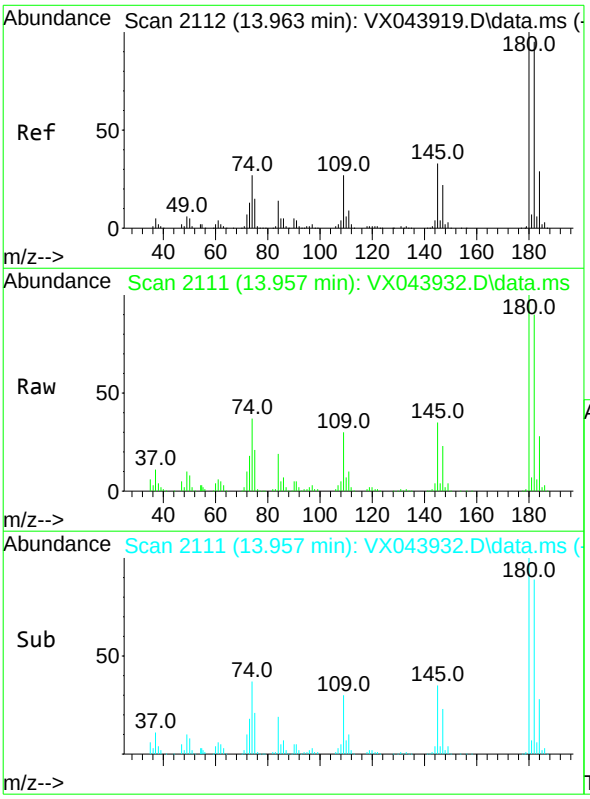
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	10.8	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

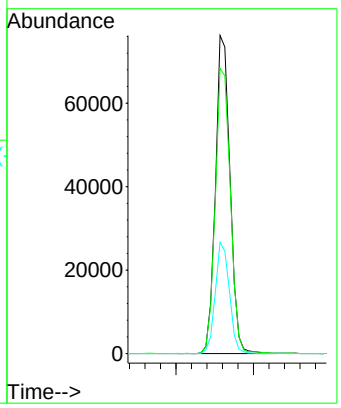
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#96
1,2,3-Trichlorobenzene
Concen: 51.246 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:180 Resp: 99447

Ion	Ratio	Lower	Upper
180	100		
182	92.9	47.6	142.8
145	33.9	17.4	52.2



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043932.D
Acq On : 21 Nov 2024 13:57
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Quant Time: Nov 22 03:54:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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	0.633	0.640	-1.1	89	0.00
3	P	Chloromethane	0.667	0.655	1.8	89	0.00
4	C	Vinyl Chloride	0.709	0.711	-0.3#	88	0.00
5	T	Bromomethane	0.436	0.410	6.0	87	0.00
6	T	Chloroethane	0.432	0.354	18.1	73	0.00
7	T	Trichlorofluoromethane	1.268	1.354	-6.8	94	0.00
8	T	Diethyl Ether	0.462	0.437	5.4	87	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.605	0.614	-1.5	88	0.00
10	T	Methyl Iodide	0.755	0.734	2.8	86	0.00
11	T	Tert butyl alcohol	0.138	0.131	5.1	86	0.00
12	CM	1,1-Dichloroethene	0.576	0.555	3.6#	88	0.00
13	T	Acrolein	0.145	0.137	5.5	89	0.00
14	T	Allyl chloride	0.941	0.972	-3.3	88	0.00
15	T	Acrylonitrile	0.335	0.348	-3.9	89	0.00
16	T	Acetone	0.394	0.393	0.3	88	0.00
17	T	Carbon Disulfide	1.188	1.174	1.2	86	0.00
18	T	Methyl Acetate	0.917	0.929	-1.3	89	0.00
19	T	Methyl tert-butyl Ether	2.092	2.100	-0.4	88	0.00
20	T	Methylene Chloride	0.668	0.628	6.0	89	0.00
21	T	trans-1,2-Dichloroethene	0.595	0.585	1.7	87	0.00
22	T	Diisopropyl ether	2.013	2.018	-0.2	88	0.00
23	T	Vinyl Acetate	1.722	1.815	-5.4	88	0.00
24	P	1,1-Dichloroethane	1.161	1.172	-0.9	88	0.00
25	T	2-Butanone	0.508	0.532	-4.7	89	0.00
26	T	2,2-Dichloropropane	1.049	1.098	-4.7	91	0.00
27	T	cis-1,2-Dichloroethene	0.735	0.725	1.4	87	0.00
28	T	Bromochloromethane	0.511	0.480	6.1	101	0.00
29	T	Tetrahydrofuran	0.312	0.317	-1.6	89	0.00
30	C	Chloroform	1.249	1.246	0.2#	90	0.00
31	T	Cyclohexane	0.956	0.980	-2.5	89	0.00
32	T	1,1,1-Trichloroethane	1.077	1.106	-2.7	88	0.00
33	S	1,2-Dichloroethane-d4	0.858	0.861	-0.3	108	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	95	0.00
35	S	Dibromofluoromethane	0.357	0.375	-5.0	109	0.00
36	T	1,1-Dichloropropene	0.445	0.474	-6.5	91	0.00
37	T	Ethyl Acetate	0.553	0.582	-5.2	90	0.00
38	T	Carbon Tetrachloride	0.500	0.518	-3.6	88	0.00
39	T	Methylcyclohexane	0.578	0.619	-7.1	89	0.00
40	TM	Benzene	1.387	1.394	-0.5	88	0.00
41	T	Methacrylonitrile	0.283	0.305	-7.8	88	0.00
42	TM	1,2-Dichloroethane	0.557	0.562	-0.9	88	0.00
43	T	Isopropyl Acetate	0.880	0.905	-2.8	88	0.00
44	TM	Trichloroethene	0.393	0.350	10.9	89	0.00
45	C	1,2-Dichloropropane	0.340	0.325	4.4#	83	0.00
46	T	Dibromomethane	0.269	0.272	-1.1	88	0.00
47	T	Bromodichloromethane	0.482	0.507	-5.2	88	0.00
48	T	Methyl methacrylate	0.422	0.441	-4.5	90	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043932.D
Acq On : 21 Nov 2024 13:57
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Quant Time: Nov 22 03:54:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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	0.008	0.007	12.5	79	0.00
50	S	Toluene-d8	1.232	1.262	-2.4	108	0.00
51	T	4-Methyl-2-Pentanone	0.537	0.570	-6.1	89	0.00
52	CM	Toluene	0.830	0.855	-3.0#	88	0.00
53	T	t-1,3-Dichloropropene	0.491	0.522	-6.3	87	0.00
54	T	cis-1,3-Dichloropropene	0.539	0.562	-4.3	87	0.00
55	T	1,1,2-Trichloroethane	0.343	0.343	0.0	88	0.00
56	T	Ethyl methacrylate	0.534	0.567	-6.2	88	0.00
57	T	1,3-Dichloropropane	0.577	0.588	-1.9	89	0.00
58	T	2-Chloroethyl Vinyl ether	0.273	0.275	-0.7	85	0.00
59	T	2-Hexanone	0.403	0.441	-9.4	89	0.00
60	T	Dibromochloromethane	0.344	0.361	-4.9	87	0.00
61	T	1,2-Dibromoethane	0.346	0.363	-4.9	89	0.00
62	S	4-Bromofluorobenzene	0.419	0.453	-8.1	111	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	94	0.00
64	T	Tetrachloroethene	0.330	0.332	-0.6	89	0.00
65	PM	Chlorobenzene	1.098	1.056	3.8	86	0.00
66	T	1,1,1,2-Tetrachloroethane	0.356	0.374	-5.1	89	0.00
67	C	Ethyl Benzene	1.861	1.898	-2.0#	88	0.00
68	T	m/p-Xylenes	0.694	0.712	-2.6	87	0.00
69	T	o-Xylene	0.678	0.696	-2.7	86	0.00
70	T	Styrene	1.121	1.159	-3.4	86	0.00
71	P	Bromoform	0.240	0.256	-6.7	84	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	96	0.00
73	T	Isopropylbenzene	3.843	3.784	1.5	89	0.00
74	T	N-amyl acetate	1.780	1.831	-2.9	88	0.00
75	P	1,1,2,2-Tetrachloroethane	1.316	1.299	1.3	90	0.00
76	T	1,2,3-Trichloropropane	1.096	1.096	0.0	89	0.00
77	T	Bromobenzene	0.917	0.882	3.8	87	0.00
78	T	n-propylbenzene	4.293	4.349	-1.3	88	0.00
79	T	2-Chlorotoluene	2.714	2.581	4.9	87	0.00
80	T	1,3,5-Trimethylbenzene	3.162	3.171	-0.3	89	0.00
81	T	trans-1,4-Dichloro-2-butene	0.402	0.400	0.5	87	0.00
82	T	4-Chlorotoluene	3.064	2.982	2.7	86	0.00
83	T	tert-Butylbenzene	3.134	3.144	-0.3	88	0.00
84	T	1,2,4-Trimethylbenzene	3.148	3.174	-0.8	89	0.00
85	T	sec-Butylbenzene	3.840	3.864	-0.6	87	0.00
86	T	p-Isopropyltoluene	3.119	3.213	-3.0	88	0.00
87	T	1,3-Dichlorobenzene	1.670	1.587	5.0	87	0.00
88	T	1,4-Dichlorobenzene	1.702	1.611	5.3	87	0.00
89	T	n-Butylbenzene	2.750	2.861	-4.0	86	0.00
90	T	Hexachloroethane	0.530	0.531	-0.2	87	0.00
91	T	1,2-Dichlorobenzene	1.685	1.606	4.7	87	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.264	0.269	-1.9	91	0.00
93	T	1,2,4-Trichlorobenzene	0.994	0.983	1.1	87	0.00
94	T	Hexachlorobutadiene	0.393	0.393	0.0	92	0.00
95	T	Naphthalene	3.576	3.707	-3.7	89	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043932.D
Acq On : 21 Nov 2024 13:57
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Quant Time: Nov 22 03:54:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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	1.006	1.031	-2.5	89	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043932.D
Acq On : 21 Nov 2024 13:57
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Quant Time: Nov 22 03:54:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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	50.537	-1.1	89	0.00
3	P	Chloromethane	50.000	49.100	1.8	89	0.00
4	C	Vinyl Chloride	50.000	50.118	-0.2#	88	0.00
5	T	Bromomethane	50.000	47.040	5.9	87	0.00
6	T	Chloroethane	50.000	40.921	18.2	73	0.00
7	T	Trichlorofluoromethane	50.000	53.407	-6.8	94	0.00
8	T	Diethyl Ether	50.000	47.345	5.3	87	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	50.762	-1.5	88	0.00
10	T	Methyl Iodide	50.000	48.614	2.8	86	0.00
11	T	Tert butyl alcohol	250.000	238.127	4.7	86	0.00
12	CM	1,1-Dichloroethene	50.000	48.192	3.6#	88	0.00
13	T	Acrolein	250.000	235.500	5.8	89	0.00
14	T	Allyl chloride	50.000	51.610	-3.2	88	0.00
15	T	Acrylonitrile	250.000	259.090	-3.6	89	0.00
16	T	Acetone	250.000	249.676	0.1	88	0.00
17	T	Carbon Disulfide	50.000	49.375	1.3	86	0.00
18	T	Methyl Acetate	50.000	50.643	-1.3	89	0.00
19	T	Methyl tert-butyl Ether	50.000	50.186	-0.4	88	0.00
20	T	Methylene Chloride	50.000	46.954	6.1	89	0.00
21	T	trans-1,2-Dichloroethene	50.000	49.179	1.6	87	0.00
22	T	Diisopropyl ether	50.000	50.132	-0.3	88	0.00
23	T	Vinyl Acetate	250.000	263.441	-5.4	88	0.00
24	P	1,1-Dichloroethane	50.000	50.466	-0.9	88	0.00
25	T	2-Butanone	250.000	261.804	-4.7	89	0.00
26	T	2,2-Dichloropropane	50.000	52.343	-4.7	91	0.00
27	T	cis-1,2-Dichloroethene	50.000	49.326	1.3	87	0.00
28	T	Bromochloromethane	50.000	46.920	6.2	101	0.00
29	T	Tetrahydrofuran	250.000	254.585	-1.8	89	0.00
30	C	Chloroform	50.000	49.891	0.2#	90	0.00
31	T	Cyclohexane	50.000	51.278	-2.6	89	0.00
32	T	1,1,1-Trichloroethane	50.000	51.320	-2.6	88	0.00
33	S	1,2-Dichloroethane-d4	50.000	50.183	-0.4	108	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	95	0.00
35	S	Dibromofluoromethane	50.000	52.442	-4.9	109	0.00
36	T	1,1-Dichloropropene	50.000	53.218	-6.4	91	0.00
37	T	Ethyl Acetate	50.000	52.656	-5.3	90	0.00
38	T	Carbon Tetrachloride	50.000	51.786	-3.6	88	0.00
39	T	Methylcyclohexane	50.000	53.489	-7.0	89	0.00
40	TM	Benzene	50.000	50.257	-0.5	88	0.00
41	T	Methacrylonitrile	50.000	53.851	-7.7	88	0.00
42	TM	1,2-Dichloroethane	50.000	50.421	-0.8	88	0.00
43	T	Isopropyl Acetate	50.000	51.469	-2.9	88	0.00
44	TM	Trichloroethene	50.000	44.554	10.9	89	0.00
45	C	1,2-Dichloropropane	50.000	47.811	4.4#	83	0.00
46	T	Dibromomethane	50.000	50.662	-1.3	88	0.00
47	T	Bromodichloromethane	50.000	52.648	-5.3	88	0.00
48	T	Methyl methacrylate	50.000	52.284	-4.6	90	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043932.D
Acq On : 21 Nov 2024 13:57
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Quant Time: Nov 22 03:54:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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	905.506	9.4	79	0.00
50	S	Toluene-d8	50.000	51.234	-2.5	108	0.00
51	T	4-Methyl-2-Pentanone	250.000	265.520	-6.2	89	0.00
52	CM	Toluene	50.000	51.507	-3.0#	88	0.00
53	T	t-1,3-Dichloropropene	50.000	53.077	-6.2	87	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.205	-4.4	87	0.00
55	T	1,1,2-Trichloroethane	50.000	50.069	-0.1	88	0.00
56	T	Ethyl methacrylate	50.000	53.118	-6.2	88	0.00
57	T	1,3-Dichloropropane	50.000	50.945	-1.9	89	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	235.230	5.9	85	0.00
59	T	2-Hexanone	250.000	273.011	-9.2	89	0.00
60	T	Dibromochloromethane	50.000	52.557	-5.1	87	0.00
61	T	1,2-Dibromoethane	50.000	52.367	-4.7	89	0.00
62	S	4-Bromofluorobenzene	50.000	53.987	-8.0	111	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	94	0.00
64	T	Tetrachloroethene	50.000	50.396	-0.8	89	0.00
65	PM	Chlorobenzene	50.000	48.094	3.8	86	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.515	-5.0	89	0.00
67	C	Ethyl Benzene	50.000	50.991	-2.0#	88	0.00
68	T	m/p-Xylenes	100.000	102.572	-2.6	87	0.00
69	T	o-Xylene	50.000	51.396	-2.8	86	0.00
70	T	Styrene	50.000	51.728	-3.5	86	0.00
71	P	Bromoform	50.000	47.449	5.1	84	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	96	0.00
73	T	Isopropylbenzene	50.000	49.222	1.6	89	0.00
74	T	N-amyl acetate	50.000	51.406	-2.8	88	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.356	1.3	90	0.00
76	T	1,2,3-Trichloropropane	50.000	49.973	0.1	89	0.00
77	T	Bromobenzene	50.000	48.081	3.8	87	0.00
78	T	n-propylbenzene	50.000	50.652	-1.3	88	0.00
79	T	2-Chlorotoluene	50.000	47.551	4.9	87	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.134	-0.3	89	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.756	0.5	87	0.00
82	T	4-Chlorotoluene	50.000	48.652	2.7	86	0.00
83	T	tert-Butylbenzene	50.000	50.165	-0.3	88	0.00
84	T	1,2,4-Trimethylbenzene	50.000	50.410	-0.8	89	0.00
85	T	sec-Butylbenzene	50.000	50.307	-0.6	87	0.00
86	T	p-Isopropyltoluene	50.000	51.511	-3.0	88	0.00
87	T	1,3-Dichlorobenzene	50.000	47.529	4.9	87	0.00
88	T	1,4-Dichlorobenzene	50.000	47.306	5.4	87	0.00
89	T	n-Butylbenzene	50.000	52.020	-4.0	86	0.00
90	T	Hexachloroethane	50.000	50.050	-0.1	87	0.00
91	T	1,2-Dichlorobenzene	50.000	47.656	4.7	87	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	51.030	-2.1	91	0.00
93	T	1,2,4-Trichlorobenzene	50.000	49.495	1.0	87	0.00
94	T	Hexachlorobutadiene	50.000	50.065	-0.1	92	0.00
95	T	Naphthalene	50.000	51.831	-3.7	89	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043932.D
Acq On : 21 Nov 2024 13:57
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Quant Time: Nov 22 03:54:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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	51.246	-2.5	89	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VX043950.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4846 SAS No.: P4846 SDG No.: P4846

Instrument ID: MSVOA_X Calibration Date/Time: 11/22/2024 11:22

Lab File ID: VX043950.D Init. Calib. Date(s): 11/21/2024 11/21/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:47 12:03

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.633	0.699		10.43	20
Chloromethane	0.667	0.733	0.1	9.9	20
Vinyl Chloride	0.709	0.742		4.65	20
Bromomethane	0.436	0.458		5.05	20
Chloroethane	0.432	0.419		-3.01	20
Trichlorofluoromethane	1.268	1.478		16.56	20
1,1,2-Trichlorotrifluoroethane	0.605	0.652		7.77	20
1,1-Dichloroethene	0.576	0.586		1.74	20
Acetone	0.394	0.395		0.25	20
Carbon Disulfide	1.188	1.132		-4.71	20
Methyl tert-butyl Ether	2.092	2.228		6.5	20
Methyl Acetate	0.917	0.947		3.27	20
Methylene Chloride	0.668	0.684		2.39	20
trans-1,2-Dichloroethene	0.595	0.624		4.87	20
1,1-Dichloroethane	1.161	1.252	0.1	7.84	20
Cyclohexane	0.956	1.019		6.59	20
2-Butanone	0.508	0.528		3.94	20
Carbon Tetrachloride	0.500	0.540		8	20
cis-1,2-Dichloroethene	0.735	0.765		4.08	20
Bromochloromethane	0.511	0.493		-3.52	20
Chloroform	1.249	1.325		6.09	20
1,1,1-Trichloroethane	1.077	1.175		9.1	20
Methylcyclohexane	0.578	0.634		9.69	20
Benzene	1.387	1.498		8	20
1,2-Dichloroethane	0.557	0.607		8.98	20
Trichloroethene	0.393	0.368		-6.36	20
1,2-Dichloropropane	0.340	0.374		10	20
Bromodichloromethane	0.482	0.527		9.34	20
4-Methyl-2-Pentanone	0.537	0.578		7.64	20
Toluene	0.830	0.912		9.88	20
t-1,3-Dichloropropene	0.491	0.540		9.98	20
cis-1,3-Dichloropropene	0.539	0.582		7.98	20
1,1,2-Trichloroethane	0.343	0.359		4.66	20
2-Hexanone	0.403	0.435		7.94	20
Dibromochloromethane	0.344	0.370		7.56	20
1,2-Dibromoethane	0.346	0.374		8.09	20
Tetrachloroethene	0.330	0.358		8.48	20
Chlorobenzene	1.098	1.156	0.3	5.28	20

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

Raw Data: **VX043950.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4846 SAS No.: P4846 SDG No.: P4846

Instrument ID: MSVOA_X Calibration Date/Time: 11/22/2024 11:22

Lab File ID: VX043950.D Init. Calib. Date(s): 11/21/2024 11/21/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:47 12:03

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.861	2.060		10.69	20
m/p-Xylenes	0.694	0.769		10.81	20
o-Xylene	0.678	0.748		10.32	20
Styrene	1.121	1.258		12.22	20
Bromoform	0.240	0.263	0.1	9.58	20
Isopropylbenzene	3.843	4.000		4.09	20
1,1,2,2-Tetrachloroethane	1.316	1.353	0.3	2.81	20
1,3-Dichlorobenzene	1.670	1.740		4.19	20
1,4-Dichlorobenzene	1.702	1.754		3.06	20
1,2-Dichlorobenzene	1.685	1.762		4.57	20
1,2-Dibromo-3-Chloropropane	0.264	0.275		4.17	20
1,2,4-Trichlorobenzene	0.994	1.078		8.45	20
1,2,3-Trichlorobenzene	1.006	1.107		10.04	20
1,2-Dichloroethane-d4	0.858	0.843		-1.75	20
Dibromofluoromethane	0.357	0.359		0.56	20
Toluene-d8	1.232	1.251		1.54	20
4-Bromofluorobenzene	0.419	0.433		3.34	20

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

Sample Results: **VX043950.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043950.D
Acq On : 22 Nov 2024 11:22
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 22 22:17:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	119844	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	210147	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	179277	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	88069	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	100999	49.135	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.280%			
35) Dibromofluoromethane	5.379	113	75489	50.272	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.540%			
50) Toluene-d8	8.641	98	262790	50.769	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.540%			
62) 4-Bromofluorobenzene	11.079	95	91050	51.686	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.380%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	83769	55.175	ug/l	99
3) Chloromethane	1.295	50	87811	54.963	ug/l	99
4) Vinyl Chloride	1.374	62	88877	52.301	ug/l	99
5) Bromomethane	1.593	94	54869	52.486	ug/l	98
6) Chloroethane	1.666	64	50225	48.505	ug/l	98
7) Trichlorofluoromethane	1.868	101	177113	58.296	ug/l	97
8) Diethyl Ether	2.130	74	56649	51.158	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.319	101	78101	53.892	ug/l	99
10) Methyl Iodide	2.441	142	94503	52.213	ug/l	98
11) Tert butyl alcohol	3.002	59	78161	236.901	ug/l	98
12) 1,1-Dichloroethene	2.307	96	70195	50.831	ug/l	93
13) Acrolein	2.233	56	87414	251.363	ug/l	96
14) Allyl chloride	2.654	41	121345	53.777	ug/l	98
15) Acrylonitrile	3.063	53	213507	265.550	ug/l	99
16) Acetone	2.386	43	236749	250.770	ug/l	97
17) Carbon Disulfide	2.502	76	135635	47.616	ug/l	98
18) Methyl Acetate	2.703	43	113509	51.629	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	267063	53.261	ug/l	100
20) Methylene Chloride	2.782	84	81941	51.146	ug/l	94
21) trans-1,2-Dichloroethene	3.081	96	74796	52.461	ug/l	98
22) Diisopropyl ether	3.758	45	257734	53.416	ug/l	95
23) Vinyl Acetate	3.715	43	1126489	272.921	ug/l	99
24) 1,1-Dichloroethane	3.599	63	150069	53.913	ug/l	99
25) 2-Butanone	4.556	43	316605	259.902	ug/l	97
26) 2,2-Dichloropropane	4.465	77	130610	51.956	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	91683	52.023	ug/l	98
28) Bromochloromethane	4.891	49	59099	48.235	ug/l	99
29) Tetrahydrofuran	5.001	42	192093	257.216	ug/l	99
30) Chloroform	5.080	83	158800	53.043	ug/l	96
31) Cyclohexane	5.458	56	122162	53.324	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	140772	54.526	ug/l	100
36) 1,1-Dichloropropene	5.684	75	103967	55.562	ug/l	98
37) Ethyl Acetate	4.715	43	121804	52.440	ug/l	99
38) Carbon Tetrachloride	5.666	117	113421	53.945	ug/l	98
39) Methylcyclohexane	7.373	83	133332	54.849	ug/l	98
40) Benzene	6.032	78	314837	54.016	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043950.D
Acq On : 22 Nov 2024 11:22
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 22 22:17:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.922	41	61474	51.710 ug/l	93
42) 1,2-Dichloroethane	6.074	62	127580	54.501 ug/l	100
43) Isopropyl Acetate	6.336	43	196481	53.153 ug/l	99
44) Trichloroethene	7.117	130	77355	46.882 ug/l	88
45) 1,2-Dichloropropane	7.421	63	78579	55.044 ug/l	98
46) Dibromomethane	7.574	93	60885	53.916 ug/l	100
47) Bromodichloromethane	7.818	83	110672	54.645 ug/l	99
48) Methyl methacrylate	7.690	41	93037	52.453 ug/l	99
49) 1,4-Dioxane	7.665	88	30231	956.809 ug/l	89
51) 4-Methyl-2-Pentanone	8.574	43	607788	269.433 ug/l	99
52) Toluene	8.714	92	191750	54.965 ug/l	100
53) t-1,3-Dichloropropene	8.976	75	113533	54.971 ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	122380	54.052 ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	75441	52.387 ug/l	97
56) Ethyl methacrylate	9.116	69	121914	54.352 ug/l	99
57) 1,3-Dichloropropane	9.305	76	132364	54.563 ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	301050	244.819 ug/l	99
59) 2-Hexanone	9.427	43	456702	269.358 ug/l	100
60) Dibromochloromethane	9.519	129	77811	53.853 ug/l	97
61) 1,2-Dibromoethane	9.604	107	78690	54.040 ug/l	100
64) Tetrachloroethene	9.269	164	64266	54.365 ug/l	98
65) Chlorobenzene	10.073	112	207265	52.640 ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	70047	54.854 ug/l	99
67) Ethyl Benzene	10.189	91	369374	55.362 ug/l	98
68) m/p-Xylenes	10.299	106	275579	110.758 ug/l	99
69) o-Xylene	10.640	106	134066	55.187 ug/l	98
70) Styrene	10.653	104	225568	56.140 ug/l	99
71) Bromoform	10.799	173	47233	48.773 ug/l #	98
73) Isopropylbenzene	10.957	105	352296	52.039 ug/l	99
74) N-amyl acetate	10.842	43	162994	51.973 ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	119153	51.403 ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	100223m	51.893 ug/l	
77) Bromobenzene	11.195	156	82907	51.338 ug/l	99
78) n-propylbenzene	11.305	91	406514	53.765 ug/l	99
79) 2-Chlorotoluene	11.360	91	246574	51.573 ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	295006	52.968 ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	34321	48.492 ug/l	95
82) 4-Chlorotoluene	11.451	91	281758	52.200 ug/l	100
83) tert-Butylbenzene	11.713	119	291225	52.754 ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	299186	53.956 ug/l	98
85) sec-Butylbenzene	11.890	105	360460	53.293 ug/l	99
86) p-Isopropyltoluene	12.006	119	304159	55.361 ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	153209	52.089 ug/l	99
88) 1,4-Dichlorobenzene	12.037	146	154469	51.511 ug/l	98
89) n-Butylbenzene	12.329	91	268422	55.414 ug/l	100
90) Hexachloroethane	12.536	117	47025	50.336 ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	155184	52.281 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	24188	52.076 ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	94940	54.252 ug/l	97
94) Hexachlorobutadiene	13.725	225	35816	51.785 ug/l	96
95) Naphthalene	13.774	128	347826	55.215 ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	97491	55.041 ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043950.D
Acq On : 22 Nov 2024 11:22
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 22 22:17:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

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

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

Sample Results: **VX043950.D**

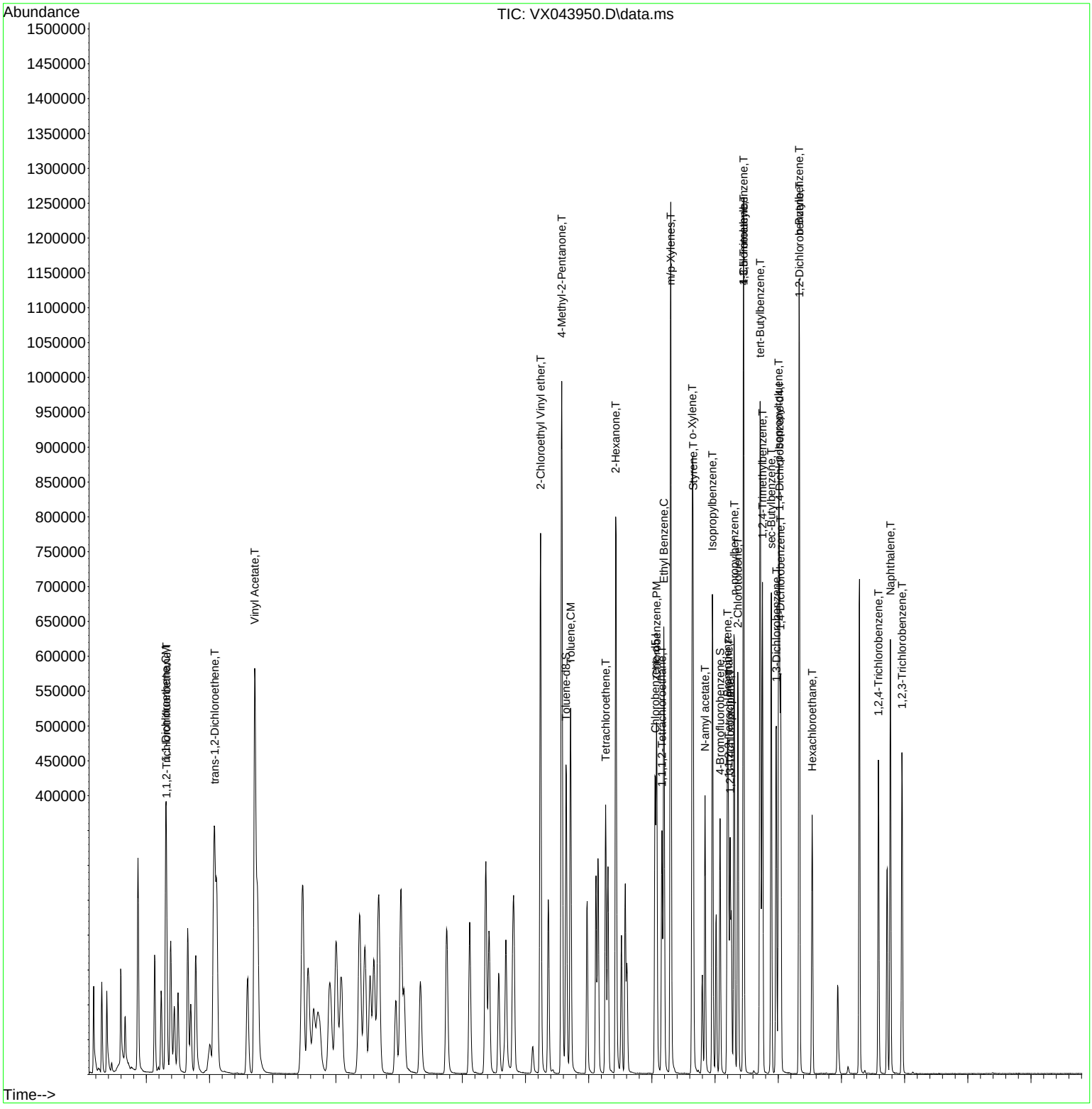
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Data File : VX043950.D
Acq On : 22 Nov 2024 11:22
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

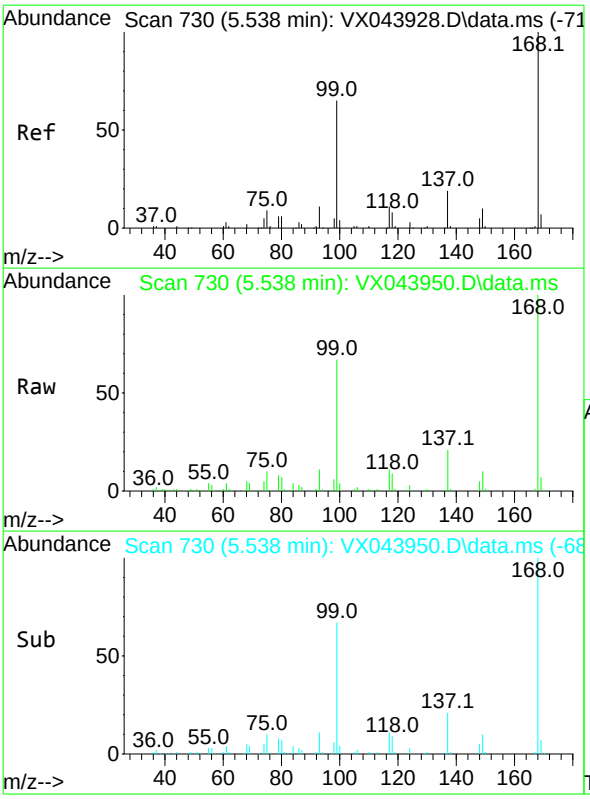
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

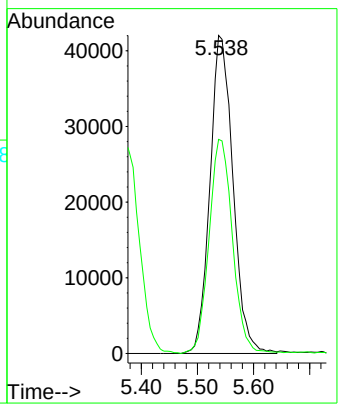




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:168 Resp: 119844

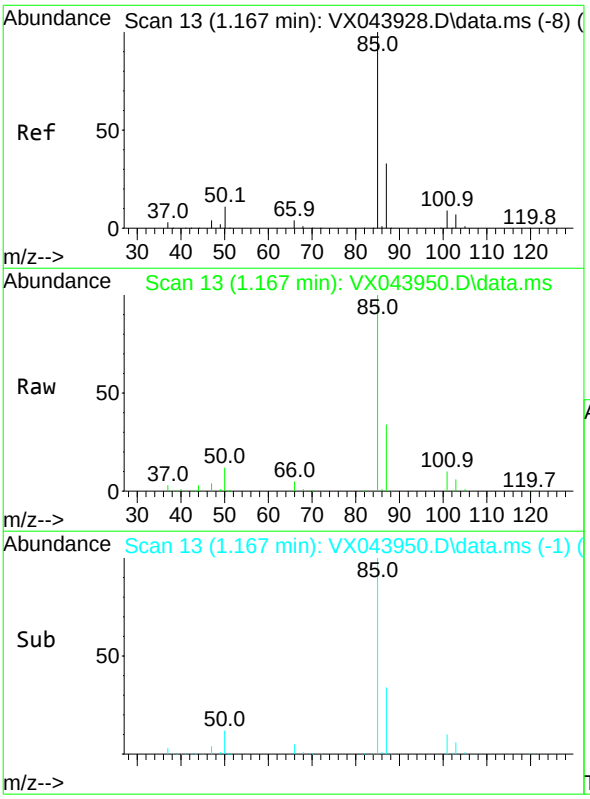
Ion	Ratio	Lower	Upper
168	100		
99	67.1	51.8	77.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

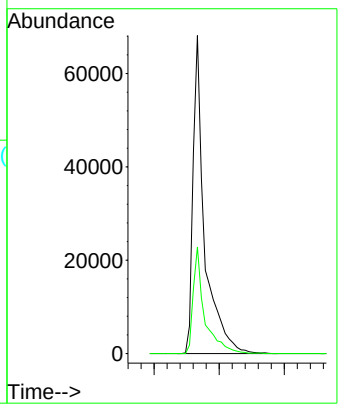
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

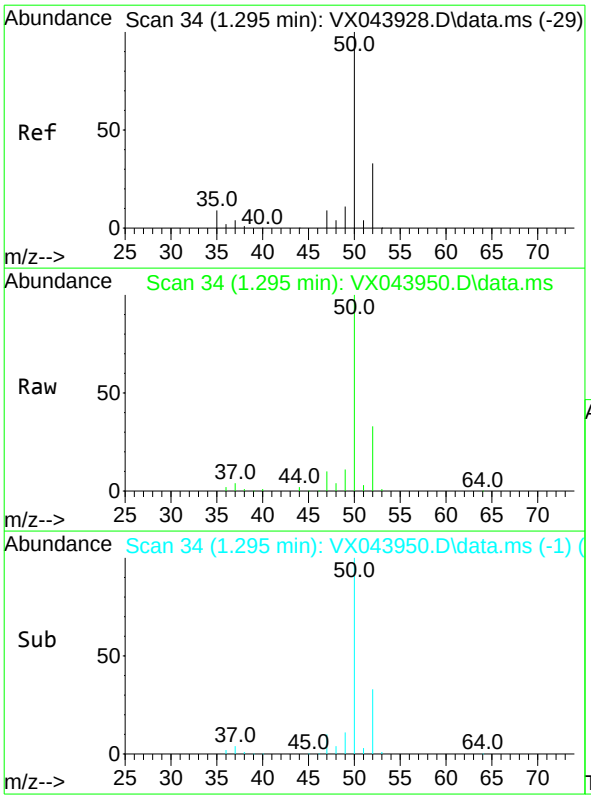


#2
Dichlorodifluoromethane
Concen: 55.175 ug/l
RT: 1.167 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 85 Resp: 83769

Ion	Ratio	Lower	Upper
85	100		
87	33.5	16.6	49.8

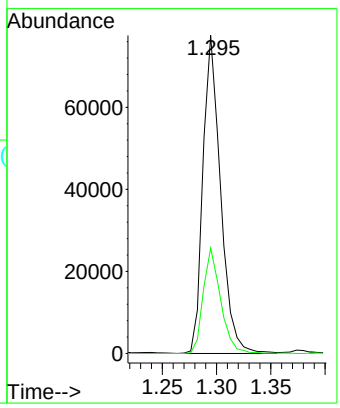




#3
Chloromethane
Concen: 54.963 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 50 Resp: 87811

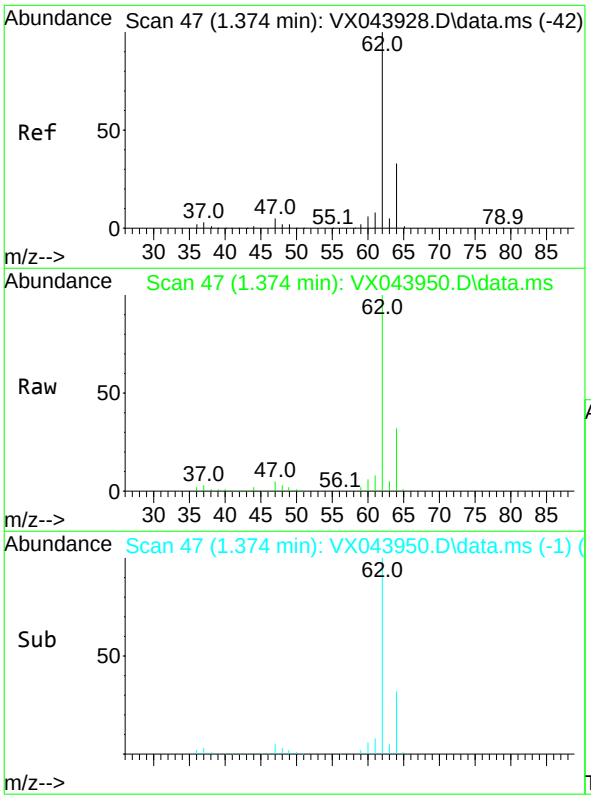
Ion	Ratio	Lower	Upper
50	100		
52	33.1	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

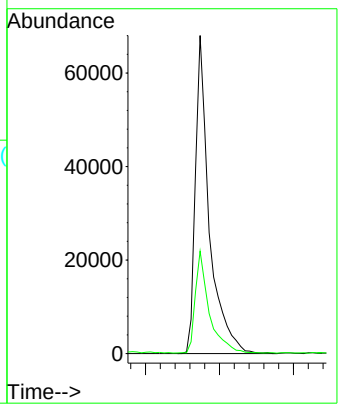
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

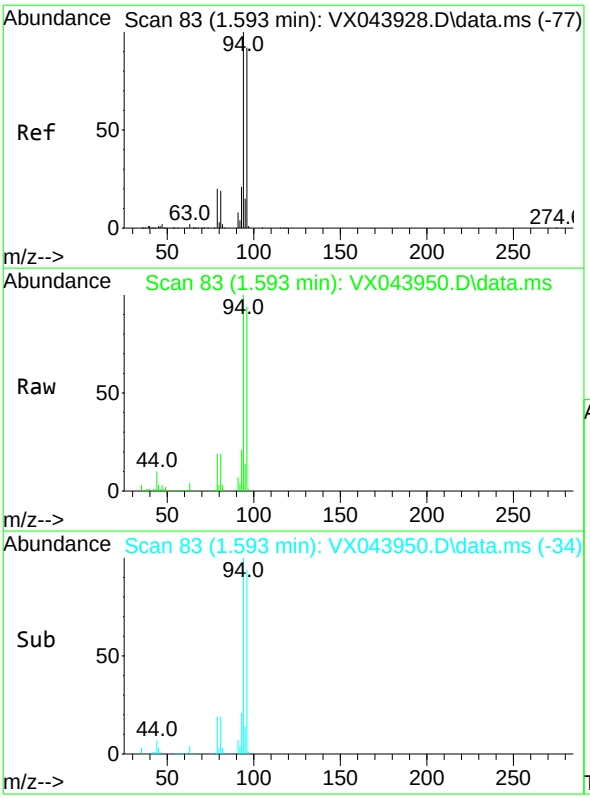


#4
Vinyl Chloride
Concen: 52.301 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 62 Resp: 88877

Ion	Ratio	Lower	Upper
62	100		
64	32.1	26.2	39.4

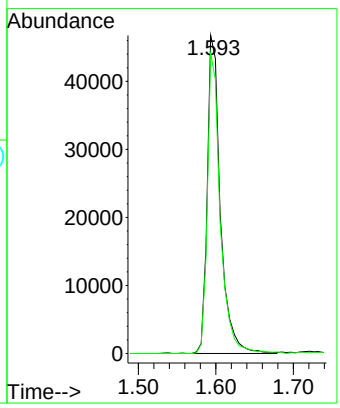




#5
Bromomethane
Concen: 52.486 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 94 Resp: 54869

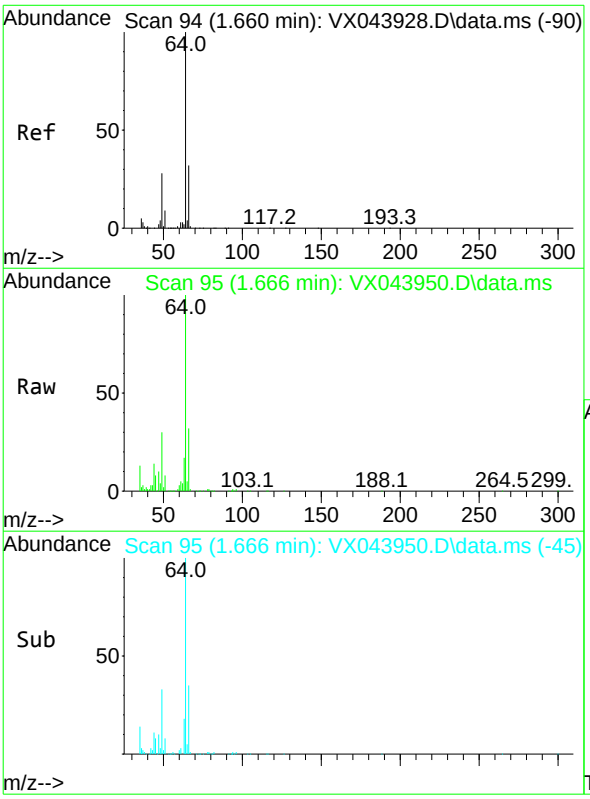
Ion	Ratio	Lower	Upper
94	100		
96	94.3	73.9	110.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

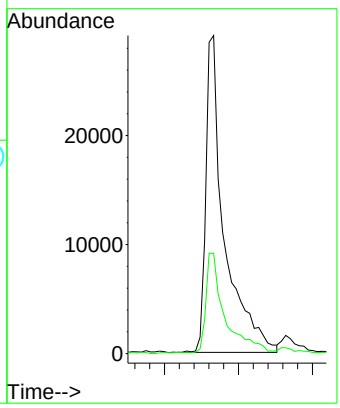
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

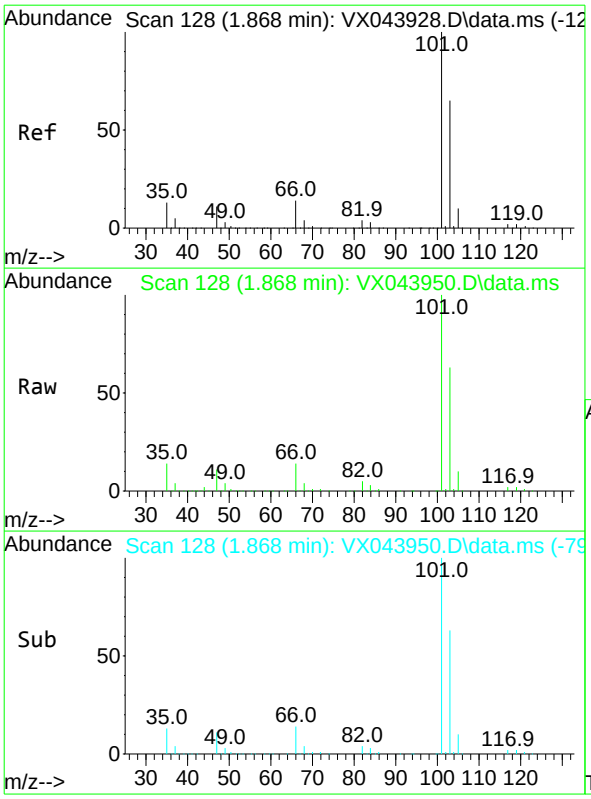


#6
Chloroethane
Concen: 48.505 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 64 Resp: 50225

Ion	Ratio	Lower	Upper
64	100		
66	31.3	25.9	38.9





#7
Trichlorofluoromethane
Concen: 58.296 ug/l
RT: 1.868 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

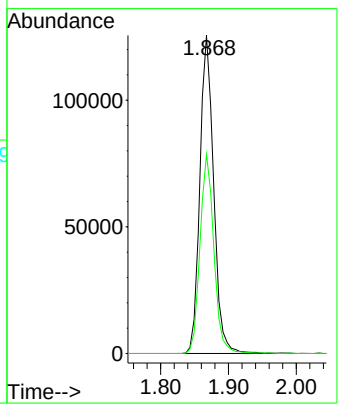
Tgt Ion:101 Resp: 177113

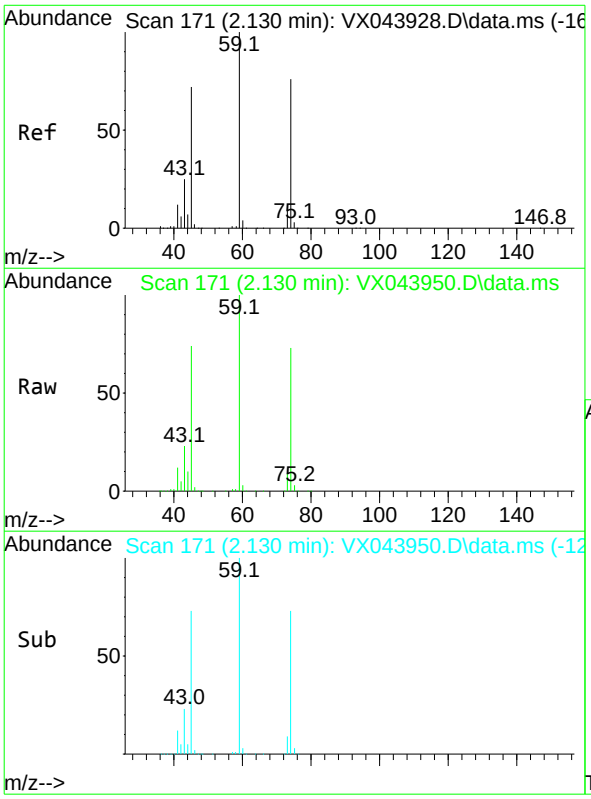
Ion	Ratio	Lower	Upper
101	100		
103	62.6	52.2	78.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

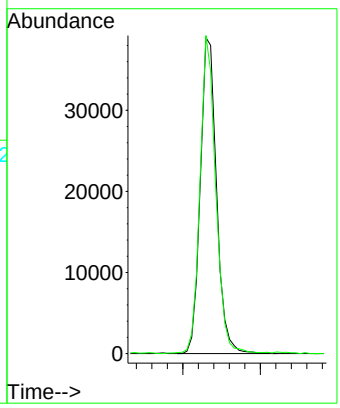


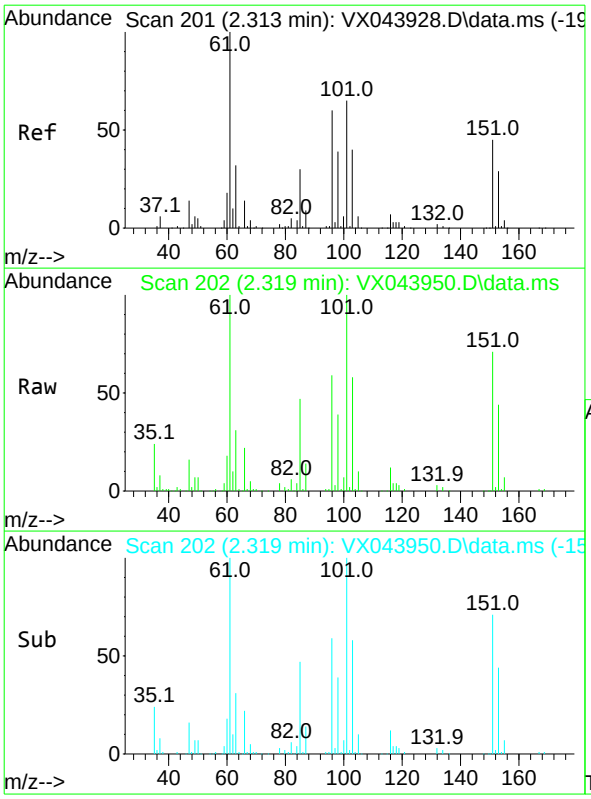


#8
Diethyl Ether
Concen: 51.158 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 74 Resp: 56649

Ion	Ratio	Lower	Upper
74	100		
45	97.7	47.9	143.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 53.892 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

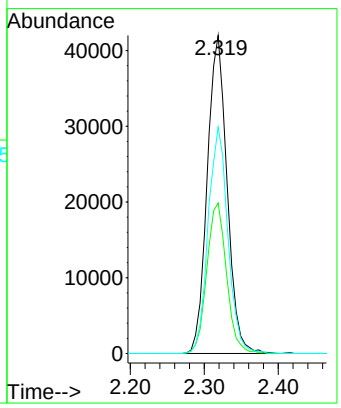
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

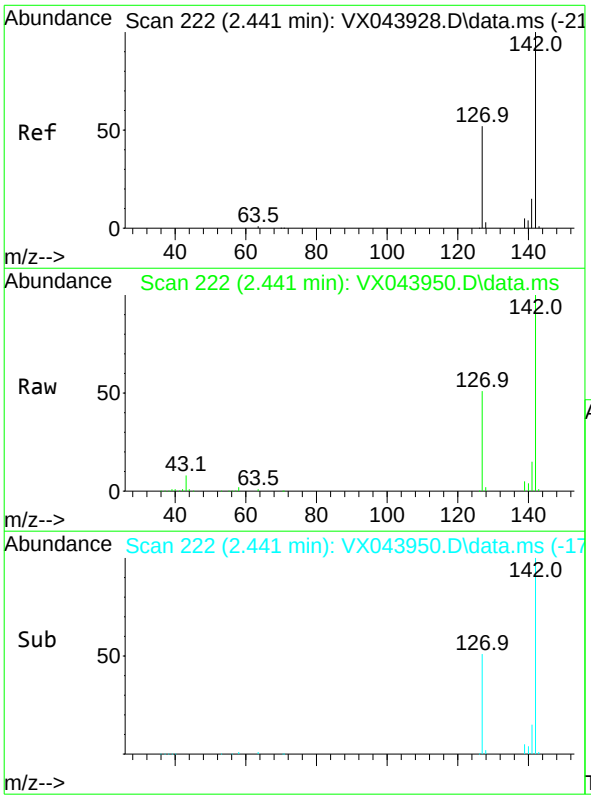
Tgt Ion:101 Resp: 78101

Ion	Ratio	Lower	Upper
101	100		
85	47.1	37.9	56.9
151	70.9	57.5	86.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

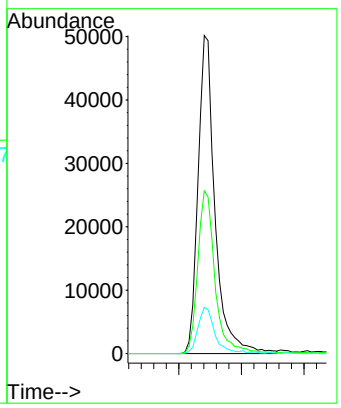


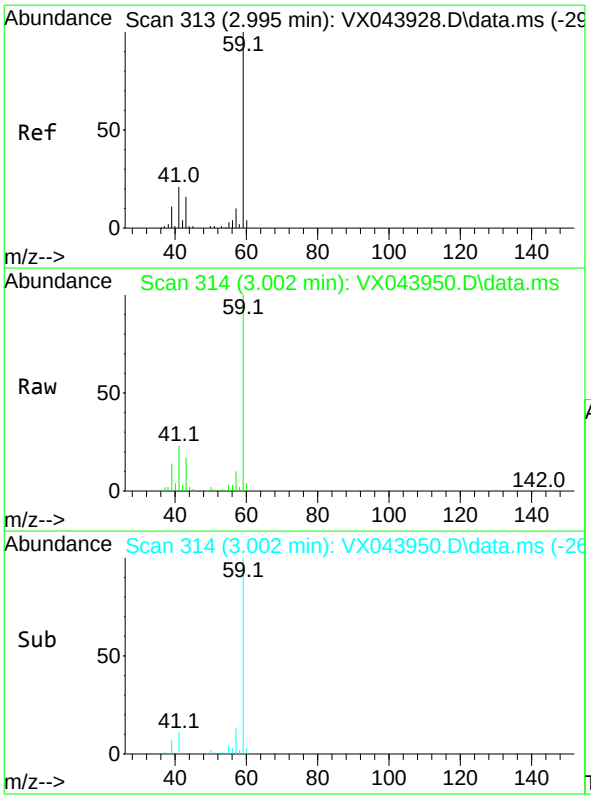


#10
Methyl Iodide
Concen: 52.213 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:142 Resp: 94503

Ion	Ratio	Lower	Upper
142	100		
127	52.2	40.7	61.1
141	14.7	12.0	18.0

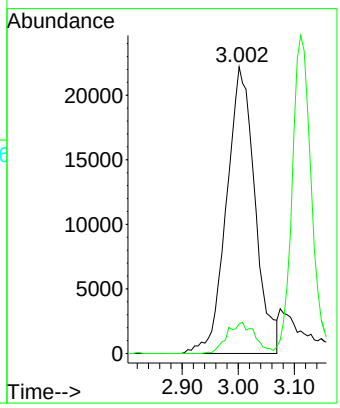




#11
Tert butyl alcohol
Concen: 236.901 ug/l
RT: 3.002 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 59 Resp: 78161

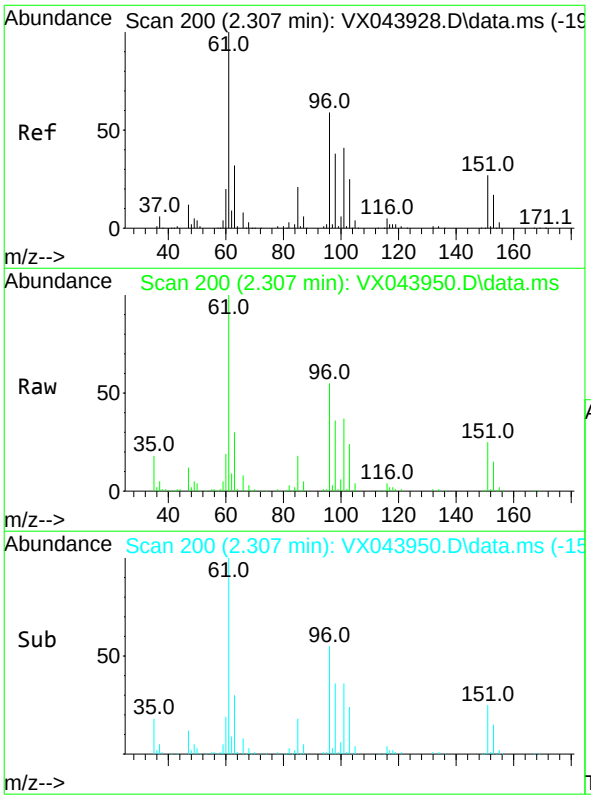
Ion	Ratio	Lower	Upper
59	100		
57	10.6	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

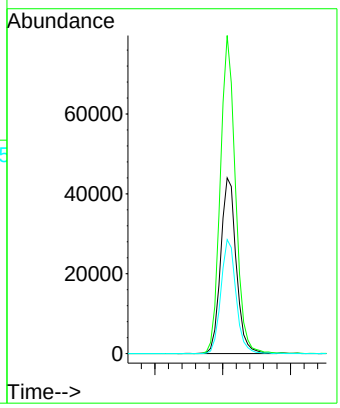
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

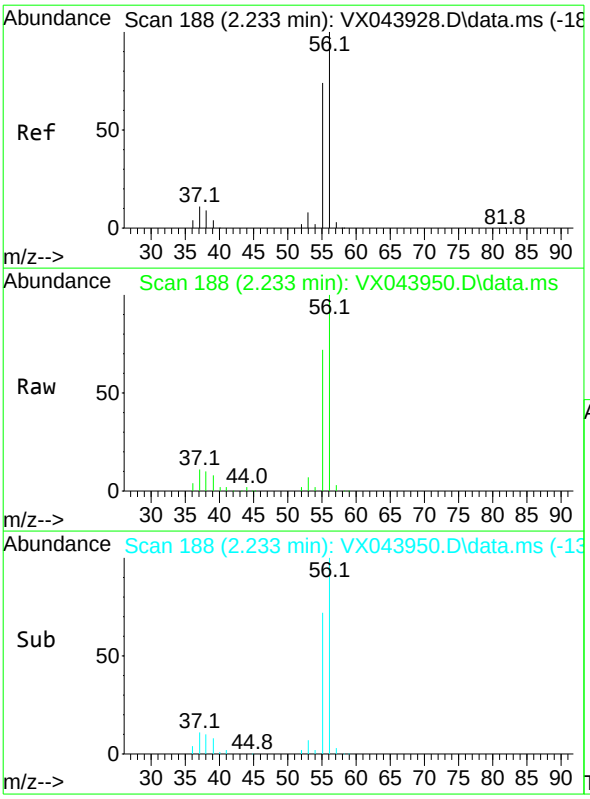


#12
1,1-Dichloroethene
Concen: 50.831 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 96 Resp: 70195

Ion	Ratio	Lower	Upper
96	100		
61	181.0	135.5	203.3
98	64.9	50.8	76.2

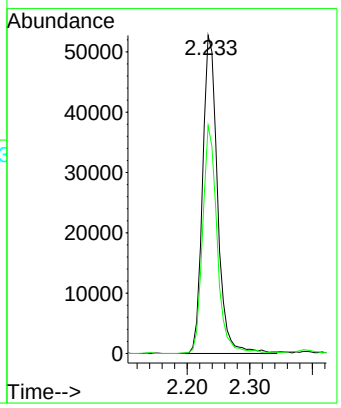




#13
Acrolein
Concen: 251.363 ug/l
RT: 2.233 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 56 Resp: 87414

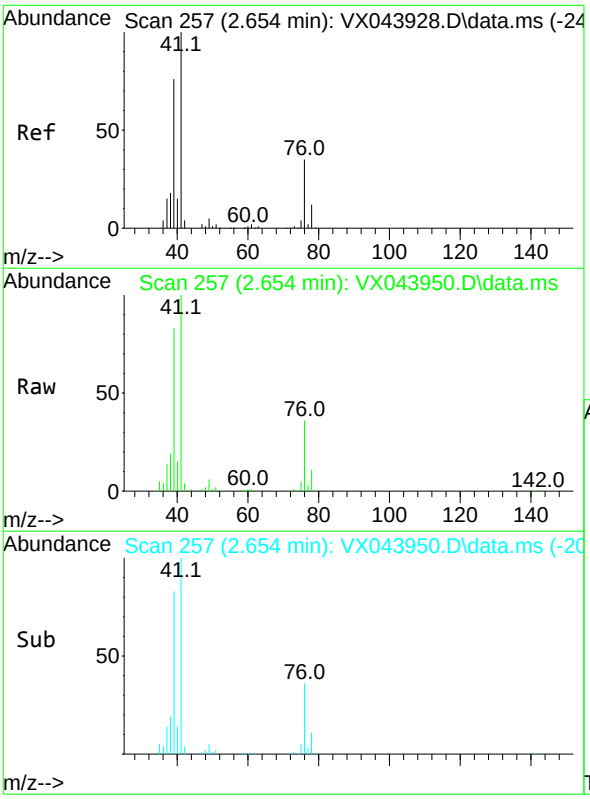
Ion	Ratio	Lower	Upper
56	100		
55	69.6	58.2	87.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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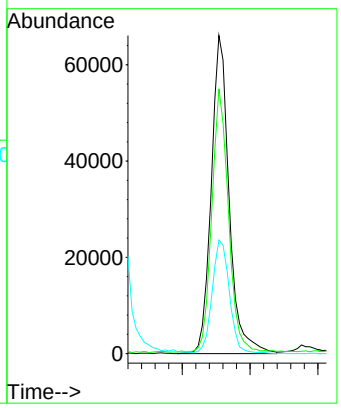
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

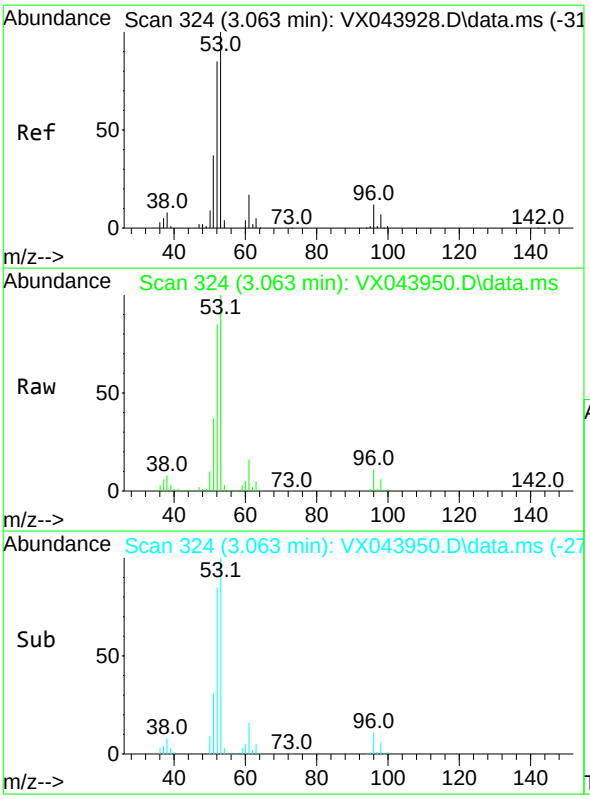


#14
Allyl chloride
Concen: 53.777 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 41 Resp: 121345

Ion	Ratio	Lower	Upper
41	100		
39	76.8	59.5	89.3
76	34.5	27.4	41.2

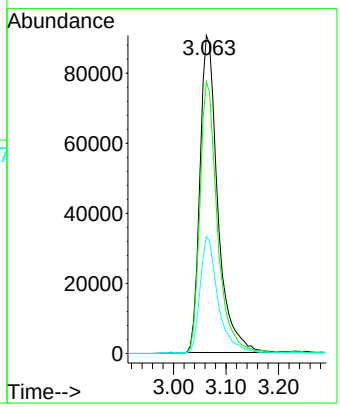




#15
Acrylonitrile
Concen: 265.550 ug/l
RT: 3.063 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 53 Resp: 213507

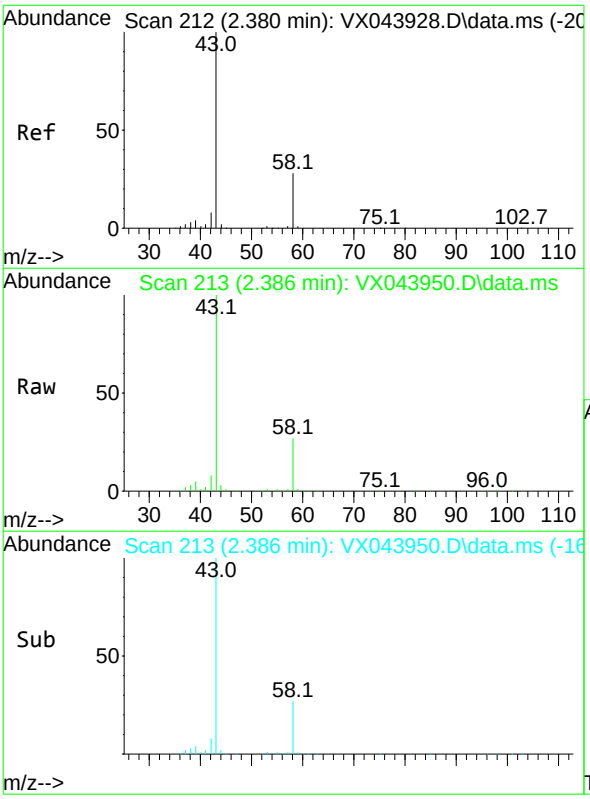
Ion	Ratio	Lower	Upper
53	100		
52	84.3	66.5	99.7
51	37.3	30.2	45.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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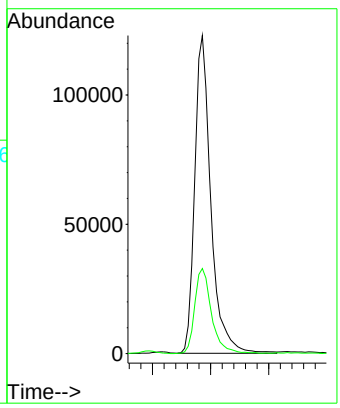
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

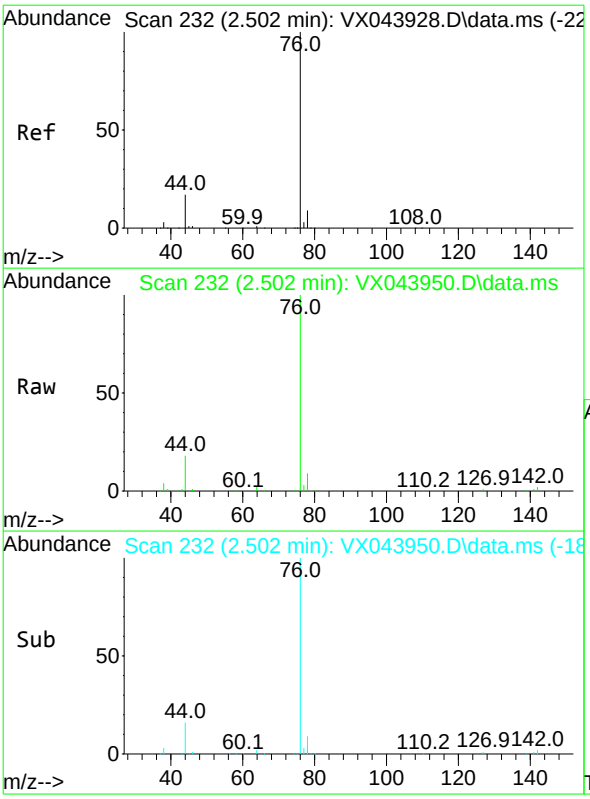


#16
Acetone
Concen: 250.770 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 236749

Ion	Ratio	Lower	Upper
43	100		
58	26.7	22.7	34.1





#17
Carbon Disulfide
Concen: 47.616 ug/l
RT: 2.502 min Scan# 23
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

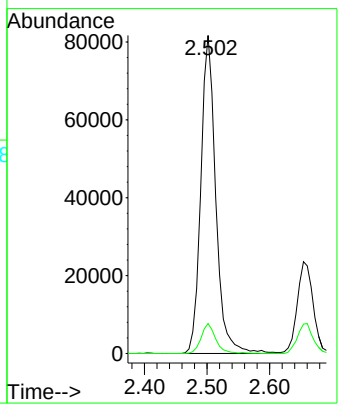
Tgt Ion: 76 Resp: 135635

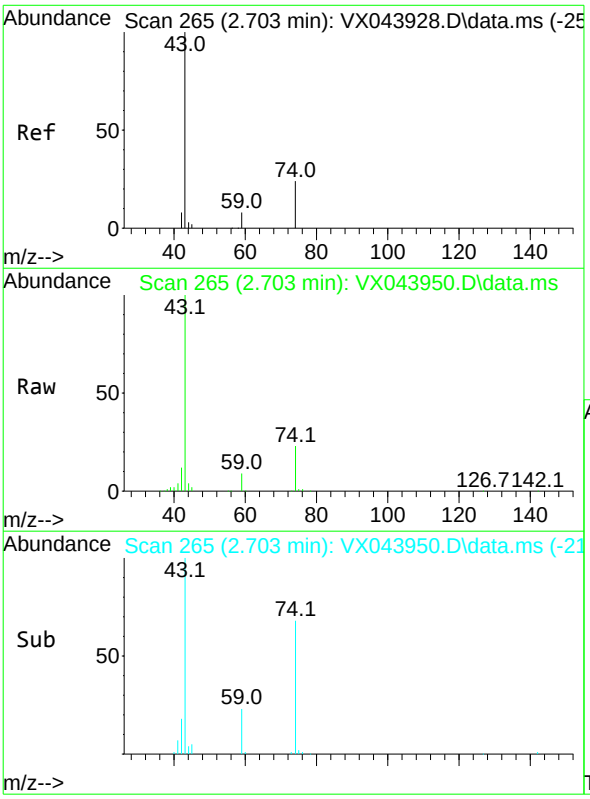
Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.0	10.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

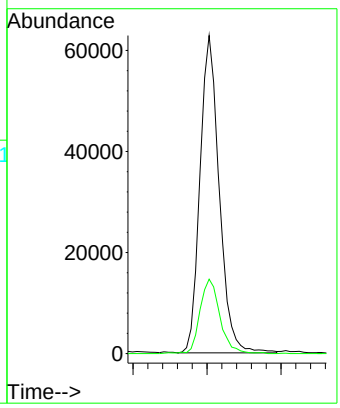


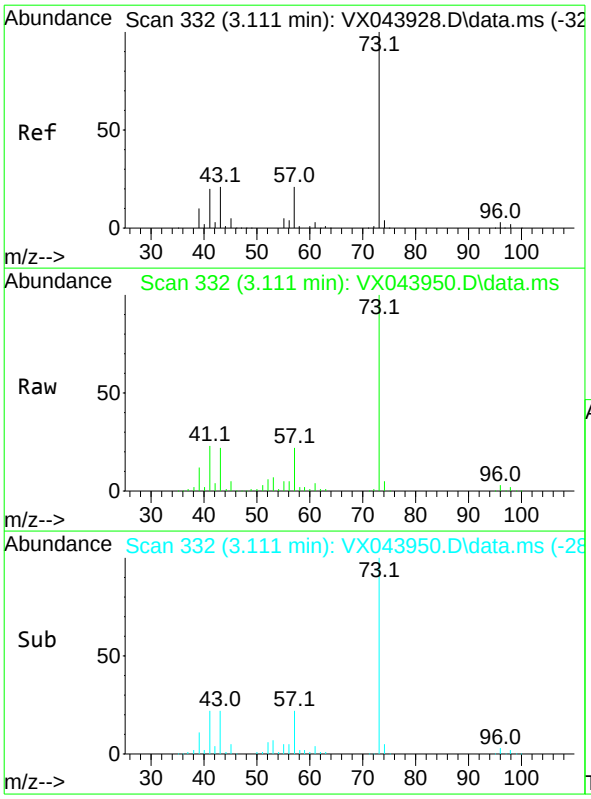


#18
Methyl Acetate
Concen: 51.629 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 113509

Ion	Ratio	Lower	Upper
43	100		
74	24.4	18.9	28.3





#19
Methyl tert-butyl Ether
Concen: 53.261 ug/l
RT: 3.111 min Scan# 33
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

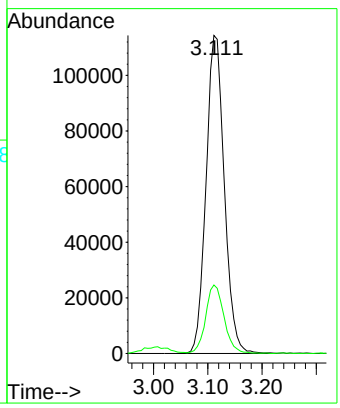
Tgt Ion: 73 Resp: 267063

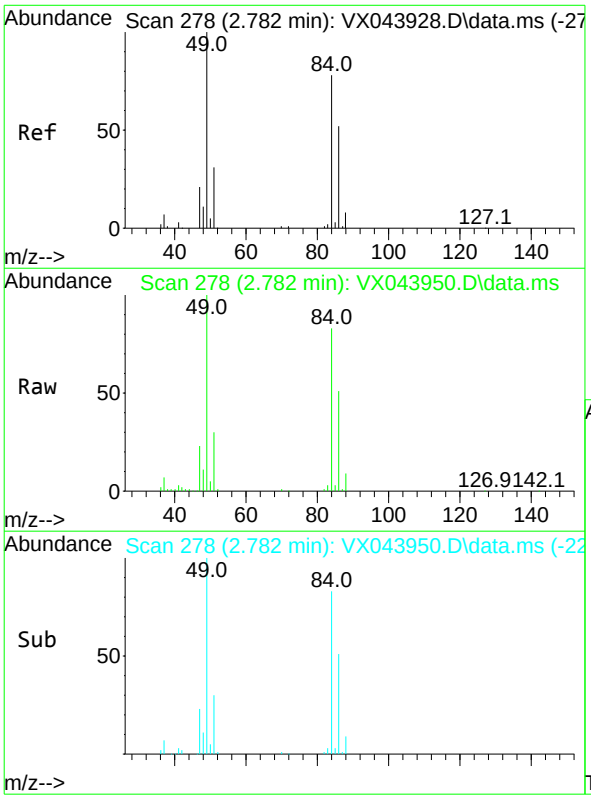
Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.0	25.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

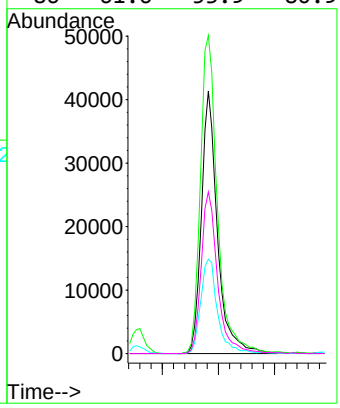


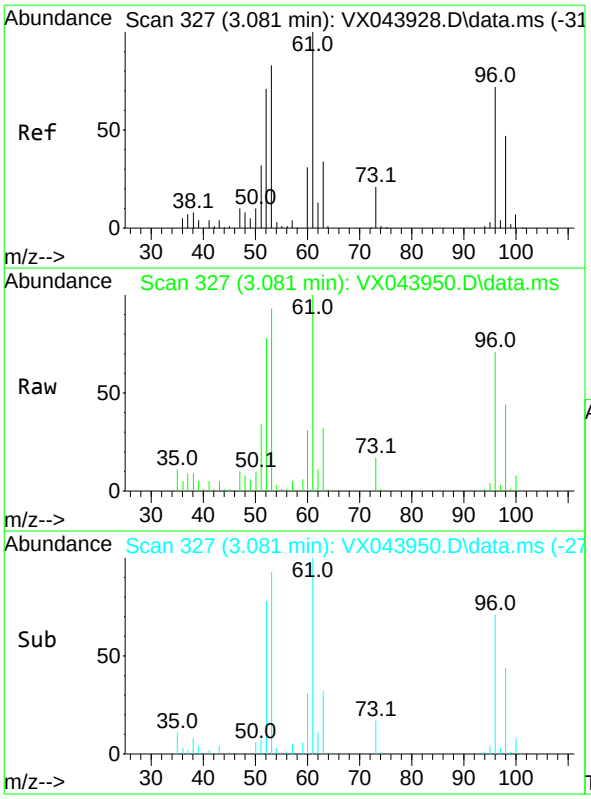


#20
Methylene Chloride
Concen: 51.146 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 84 Resp: 81941

Ion	Ratio	Lower	Upper
84	100		
49	121.1	102.7	154.1
51	36.0	31.7	47.5
86	61.6	53.9	80.9

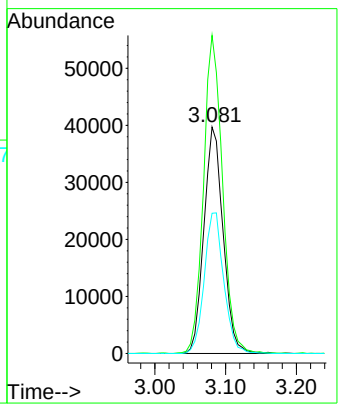




#21
trans-1,2-Dichloroethene
Concen: 52.461 ug/l
RT: 3.081 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 96 Resp: 74796

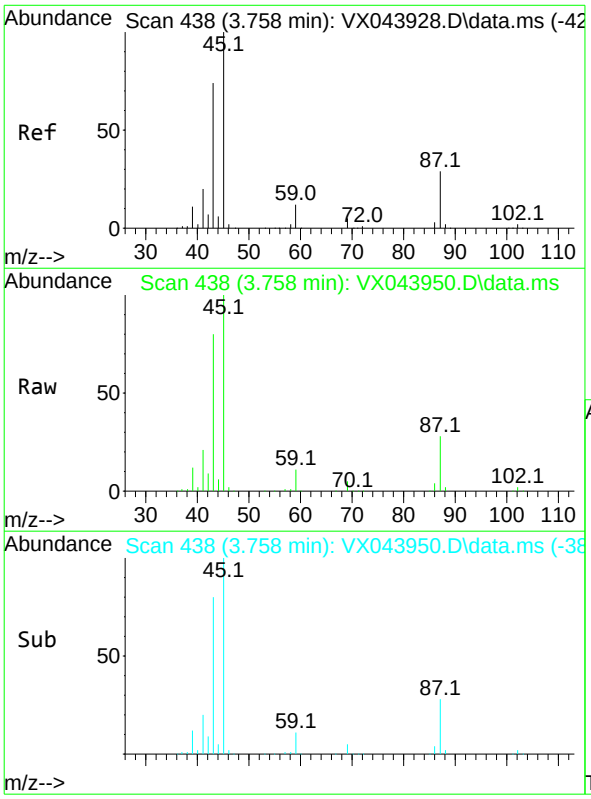
Ion	Ratio	Lower	Upper
96	100		
61	140.3	111.8	167.6
98	61.9	52.7	79.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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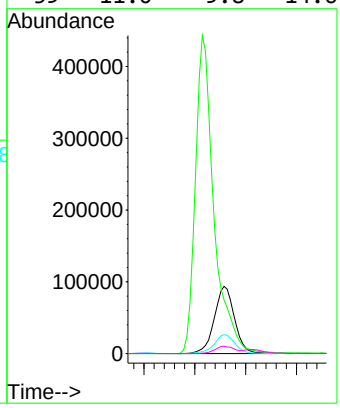
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

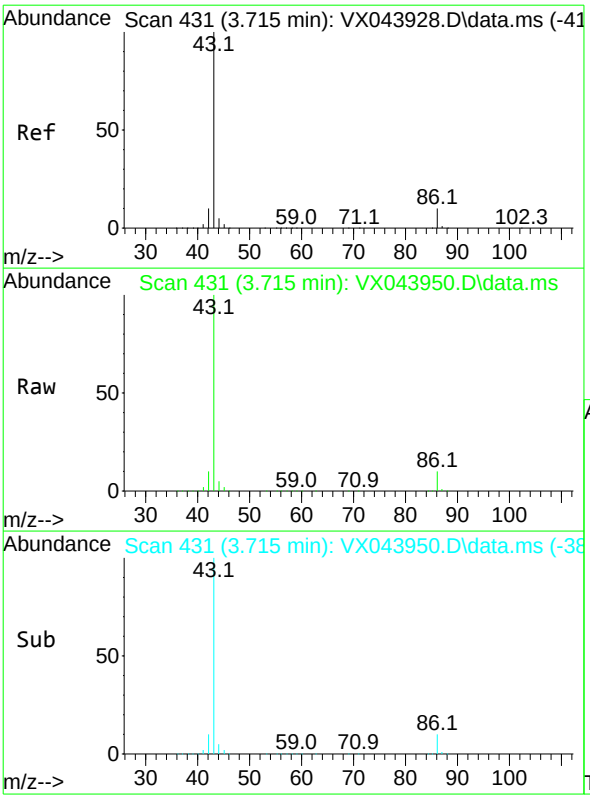


#22
Diisopropyl ether
Concen: 53.416 ug/l
RT: 3.758 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 45 Resp: 257734

Ion	Ratio	Lower	Upper
45	100		
43	79.7	59.6	89.4
87	28.1	22.9	34.3
59	11.0	9.8	14.6





#23
Vinyl Acetate
Concen: 272.921 ug/l
RT: 3.715 min Scan# 43
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

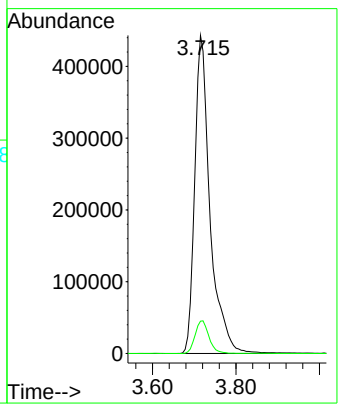
Tgt Ion: 43 Resp: 1126489

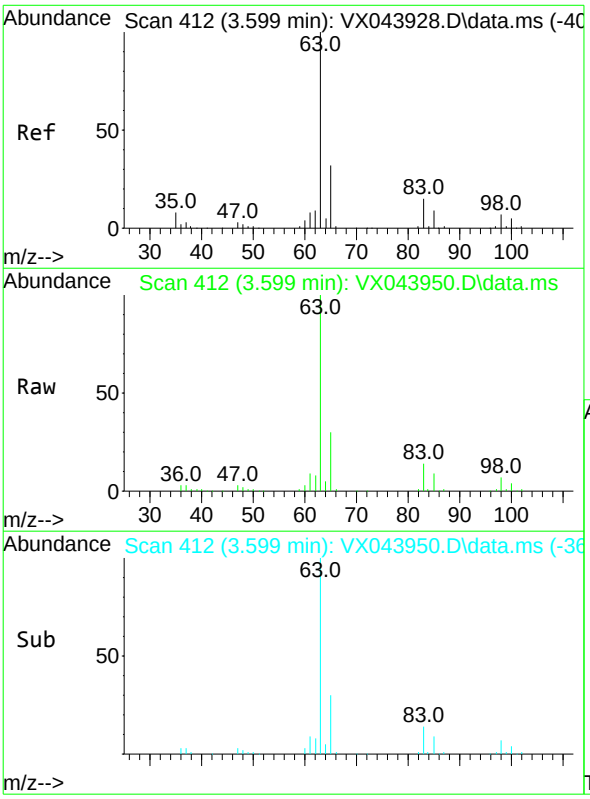
Ion	Ratio	Lower	Upper
43	100		
86	10.2	8.3	12.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

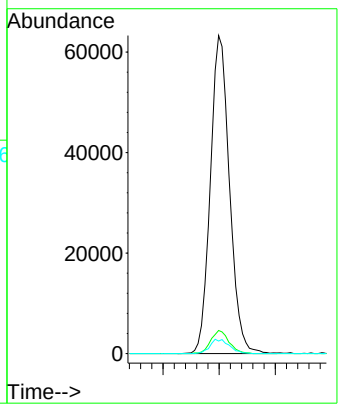


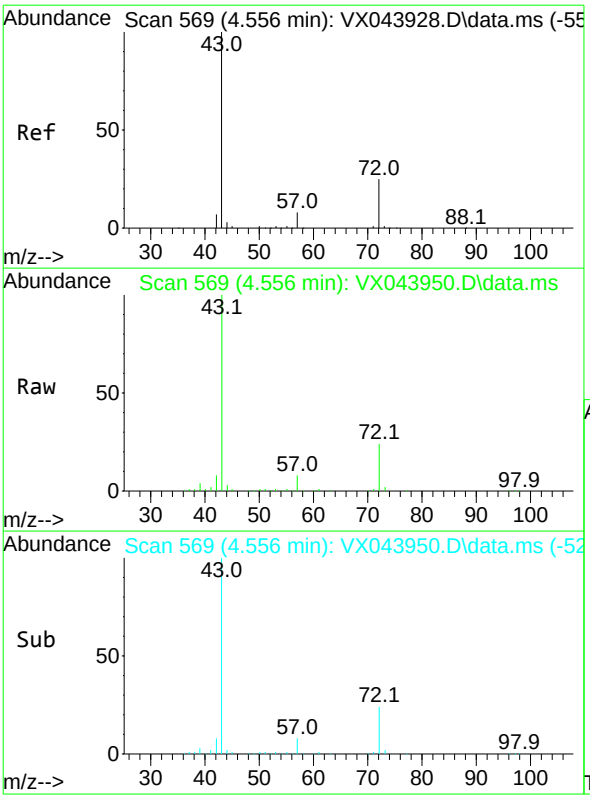


#24
1,1-Dichloroethane
Concen: 53.913 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 63 Resp: 150069

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.5	10.6
100	3.9	2.4	7.1





#25
2-Butanone
Concen: 259.902 ug/l
RT: 4.556 min Scan# 56
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

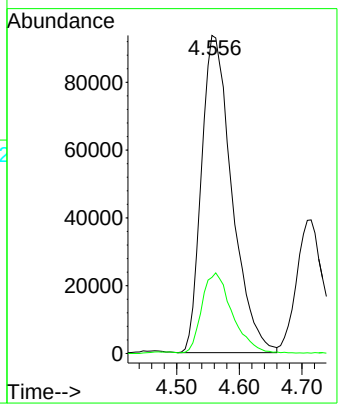
Tgt Ion: 43 Resp: 316605

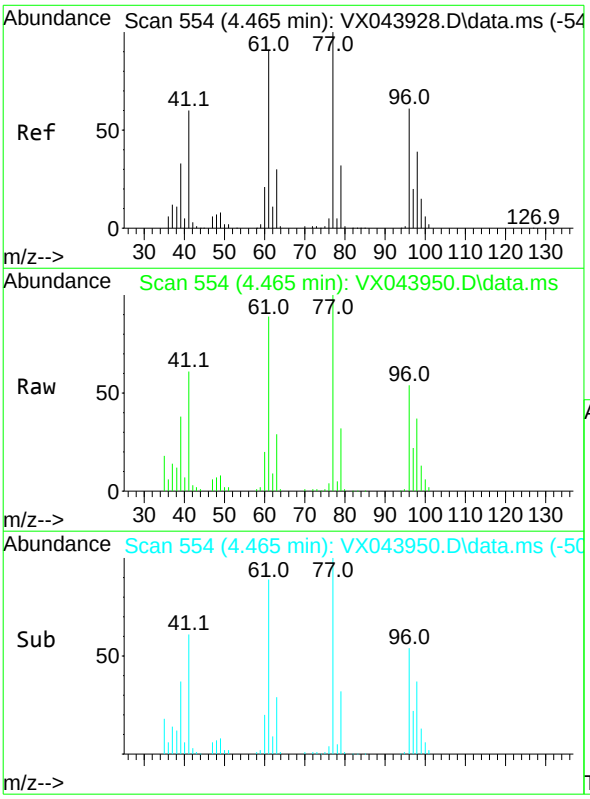
Ion	Ratio	Lower	Upper
43	100		
72	23.8	20.2	30.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

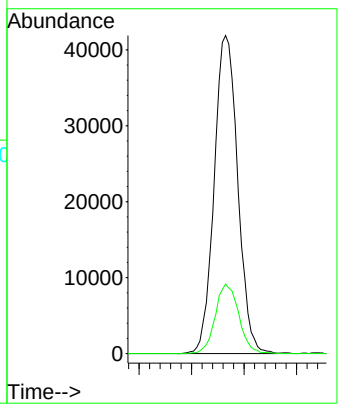


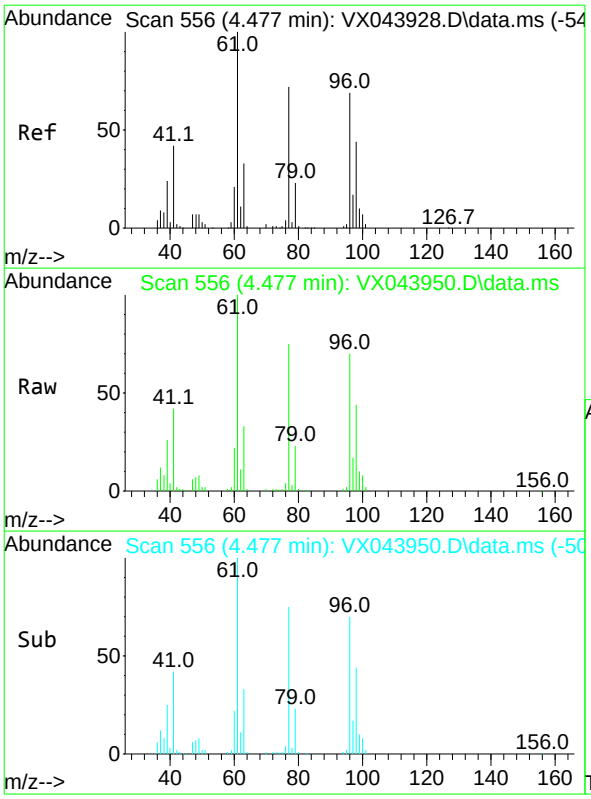


#26
2,2-Dichloropropane
Concen: 51.956 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 77 Resp: 130610

Ion	Ratio	Lower	Upper
77	100		
97	21.8	10.8	32.3

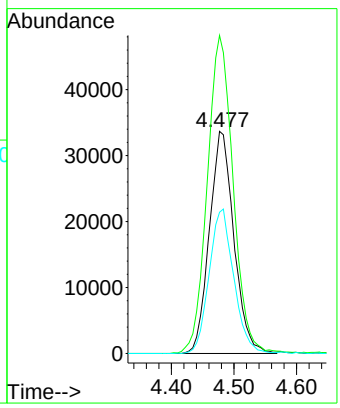




#27
cis-1,2-Dichloroethene
Concen: 52.023 ug/l
RT: 4.477 min Scan# 55
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 96 Resp: 91683

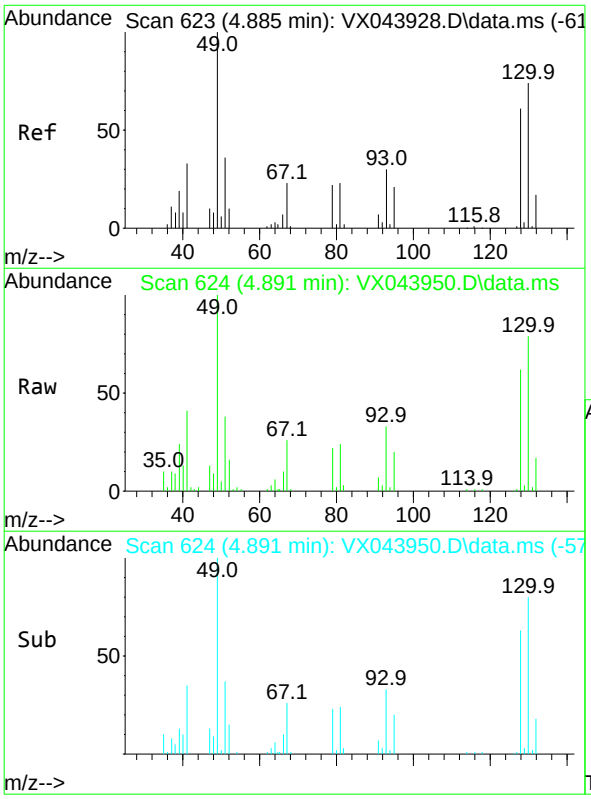
Ion	Ratio	Lower	Upper
96	100		
61	151.0	0.0	297.4
98	65.3	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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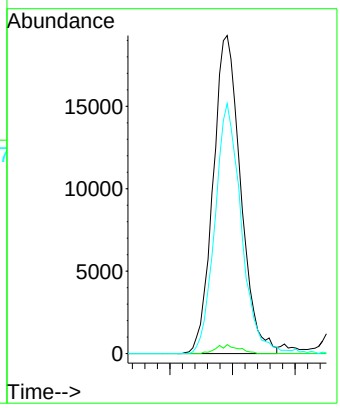
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

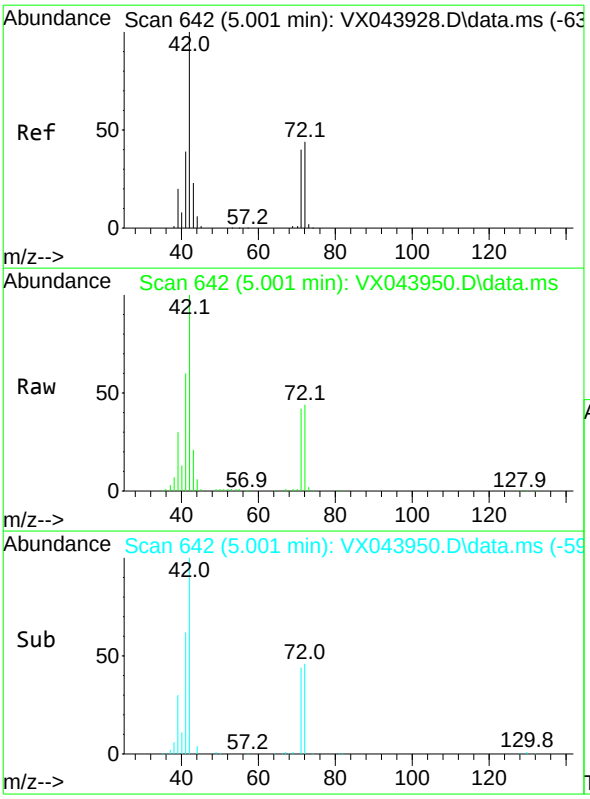


#28
Bromochloromethane
Concen: 48.235 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 49 Resp: 59099

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.0
130	74.9	59.0	88.6

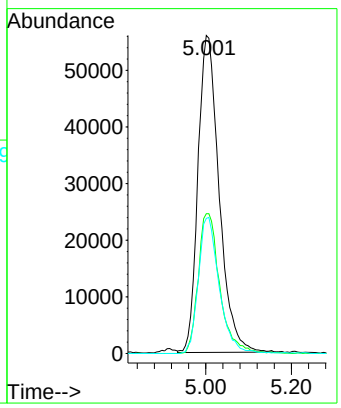




#29
Tetrahydrofuran
Concen: 257.216 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 42 Resp: 192093

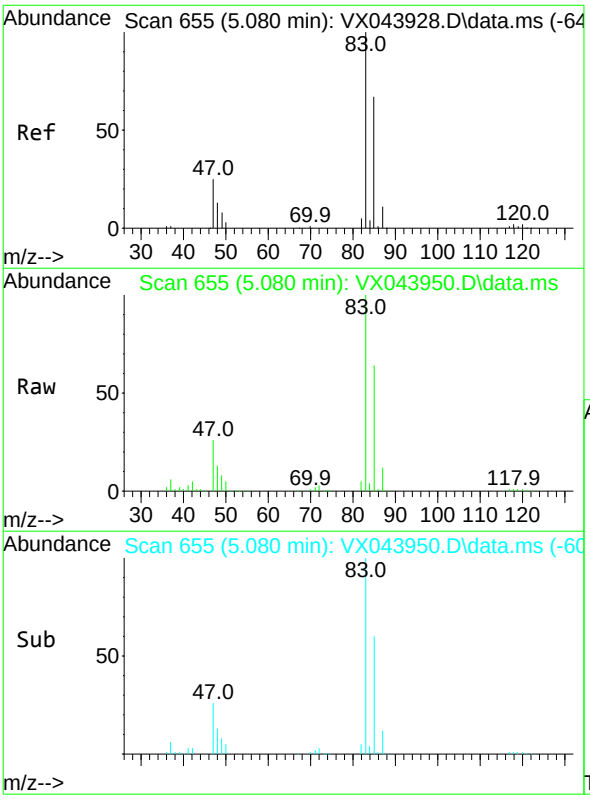
Ion	Ratio	Lower	Upper
42	100		
72	44.9	36.4	54.6
71	42.2	33.4	50.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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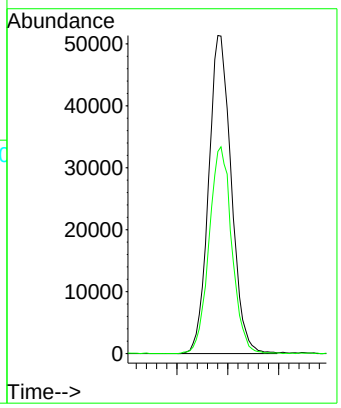
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

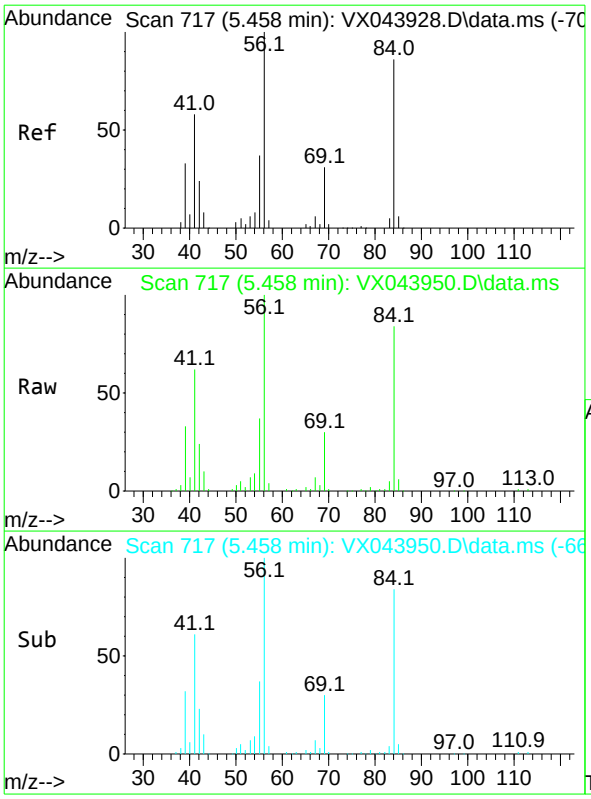


#30
Chloroform
Concen: 53.043 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 83 Resp: 158800

Ion	Ratio	Lower	Upper
83	100		
85	63.5	53.5	80.3





#31
Cyclohexane
Concen: 53.324 ug/l
RT: 5.458 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

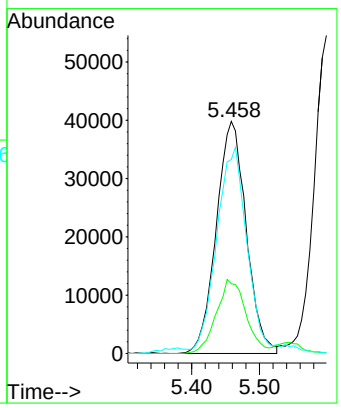
Tgt Ion: 56 Resp: 122162

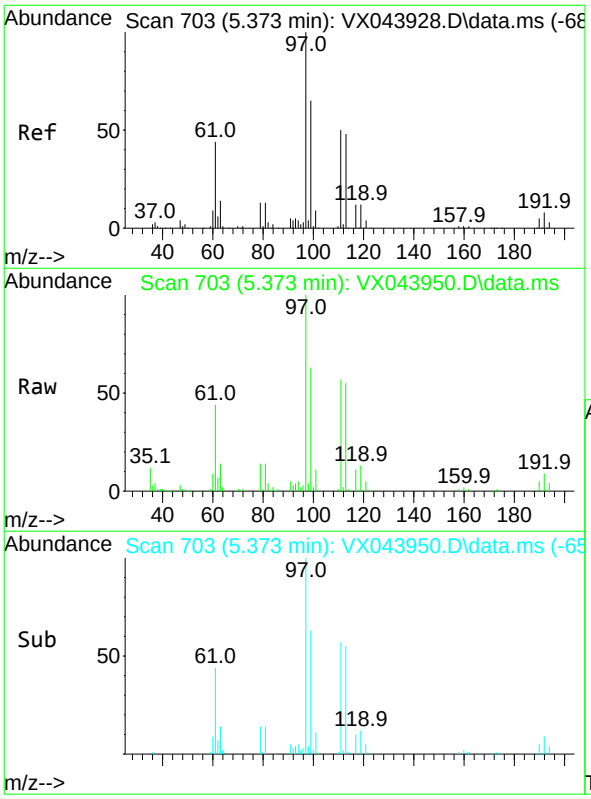
Ion	Ratio	Lower	Upper
56	100		
69	30.0	24.7	37.1
84	81.2	68.7	103.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

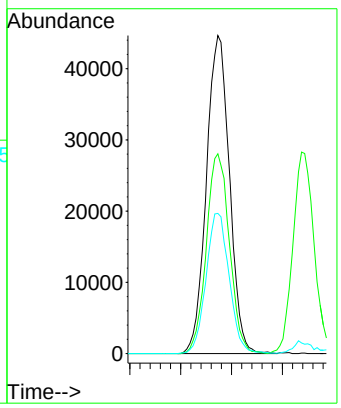


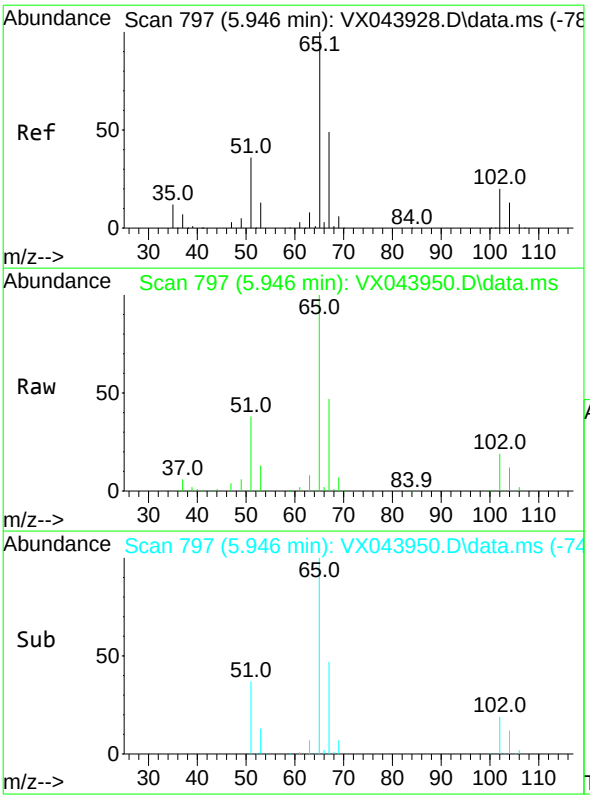


#32
1,1,1-Trichloroethane
Concen: 54.526 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 97 Resp: 140772

Ion	Ratio	Lower	Upper
97	100		
99	62.9	50.8	76.2
61	44.3	35.4	53.2





#33
1,2-Dichloroethane-d4
Concen: 49.135 ug/l
RT: 5.946 min Scan# 79
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

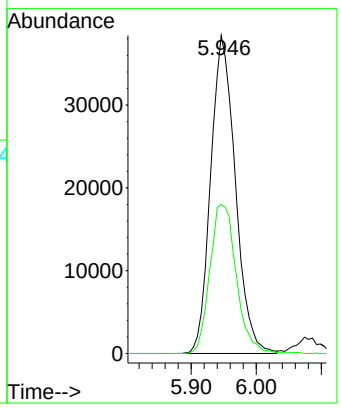
Tgt Ion: 65 Resp: 100999

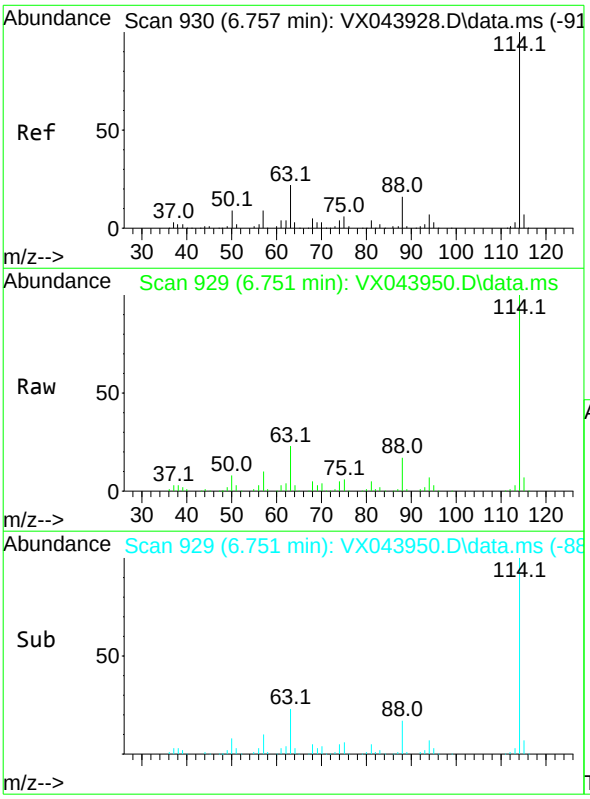
Ion	Ratio	Lower	Upper
65	100		
67	50.1	0.0	100.8

Instrument :
MSVOA_X
ClientSampleId :
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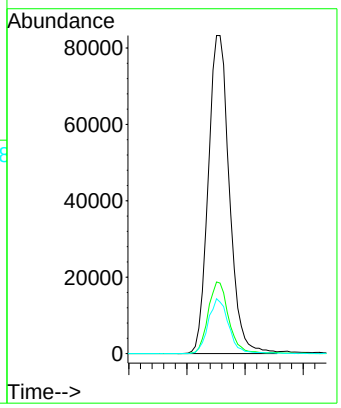


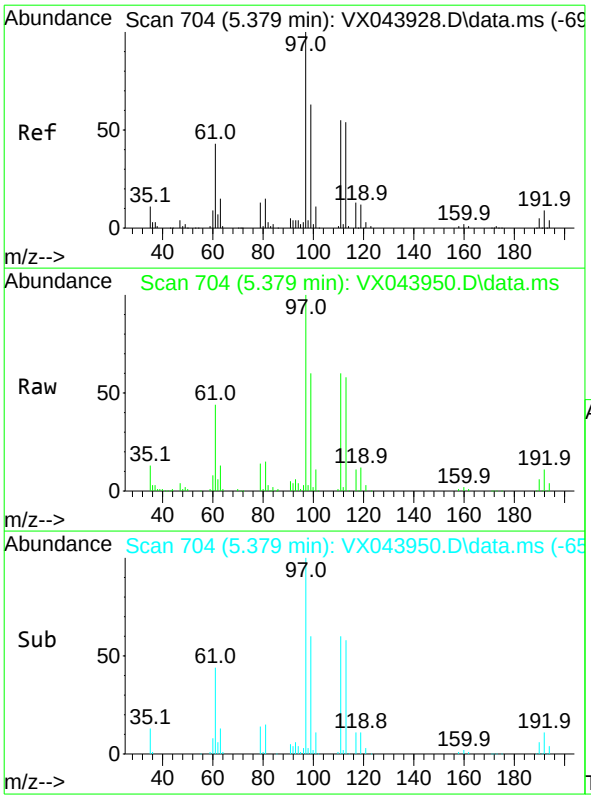


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:114 Resp: 210147

Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	44.0
88	17.3	0.0	32.4





#35
Dibromofluoromethane
Concen: 50.272 ug/l
RT: 5.379 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

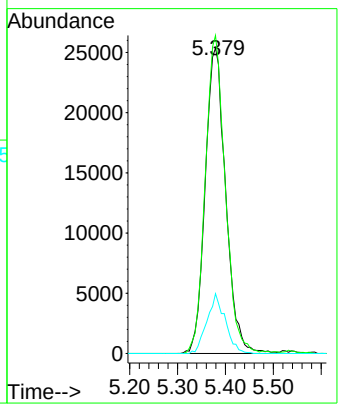
Tgt Ion:113 Resp: 75489

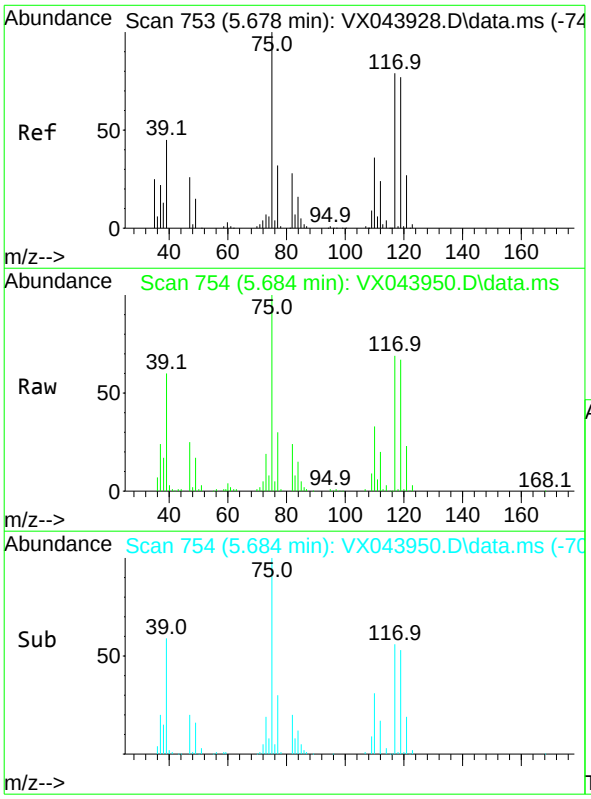
Ion	Ratio	Lower	Upper
113	100		
111	101.0	81.0	121.4
192	17.5	13.0	19.6

Instrument :
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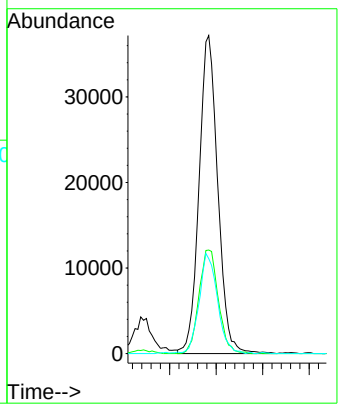


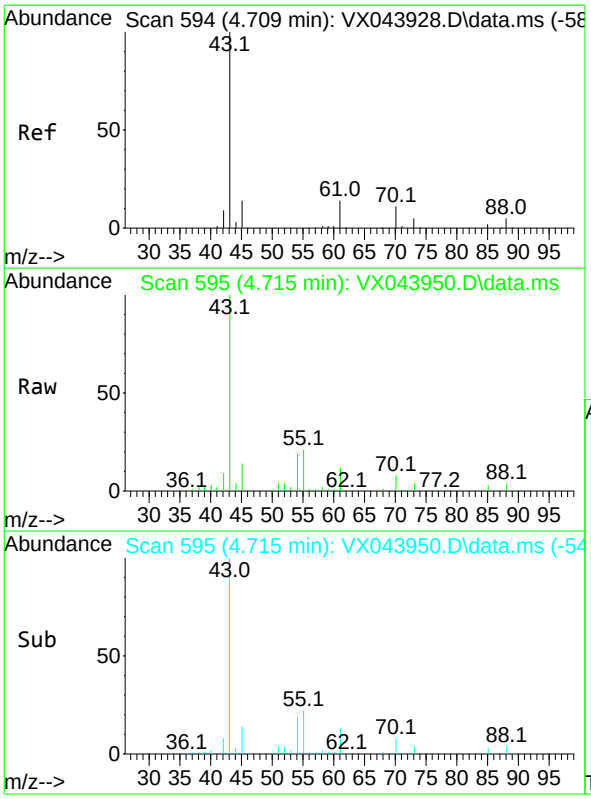


#36
1,1-Dichloropropene
Concen: 55.562 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 75 Resp: 103967

Ion	Ratio	Lower	Upper
75	100		
110	33.7	17.4	52.2
77	30.9	25.8	38.8





#37
Ethyl Acetate
Concen: 52.440 ug/l
RT: 4.715 min Scan# 59
Delta R.T. 0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

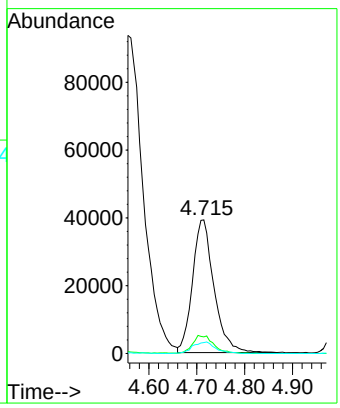
Tgt Ion: 43 Resp: 121804

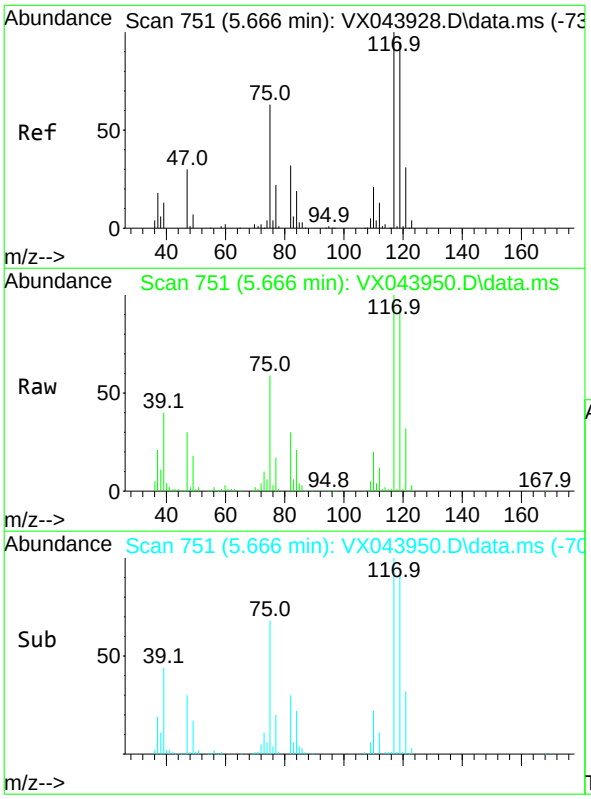
Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.7	16.1
70	9.2	8.0	12.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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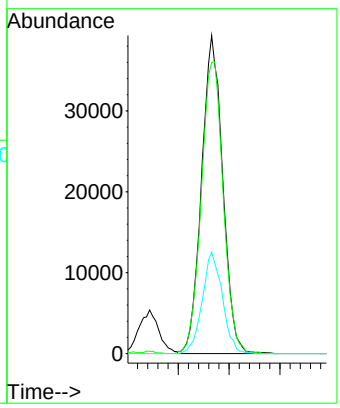


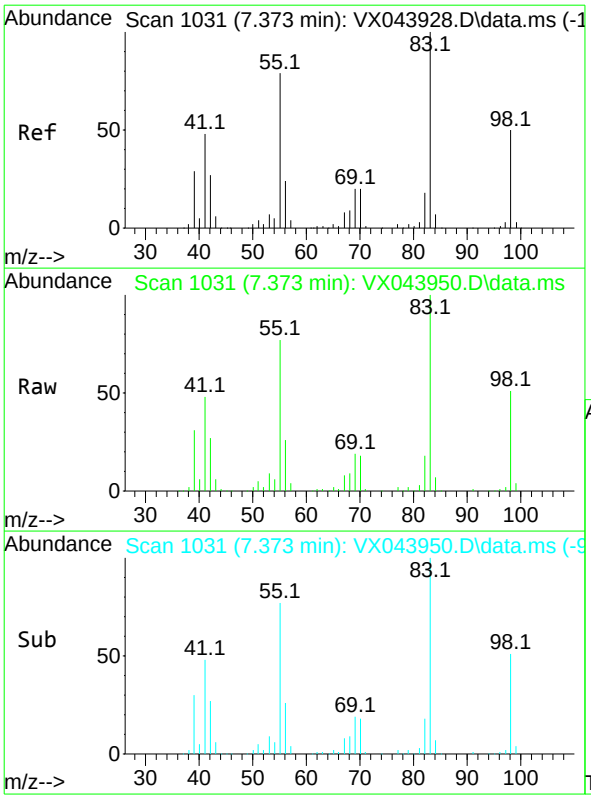


#38
Carbon Tetrachloride
Concen: 53.945 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:117 Resp: 113421

Ion	Ratio	Lower	Upper
117	100		
119	91.6	75.2	112.8
121	31.9	24.5	36.7





#39
Methylcyclohexane
Concen: 54.849 ug/l
RT: 7.373 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

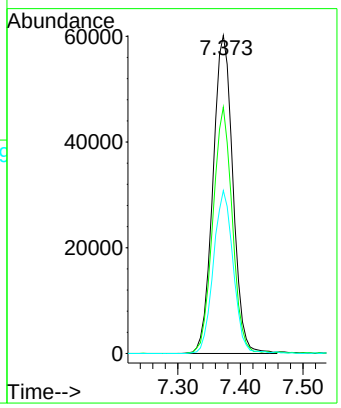
Tgt Ion: 83 Resp: 133332

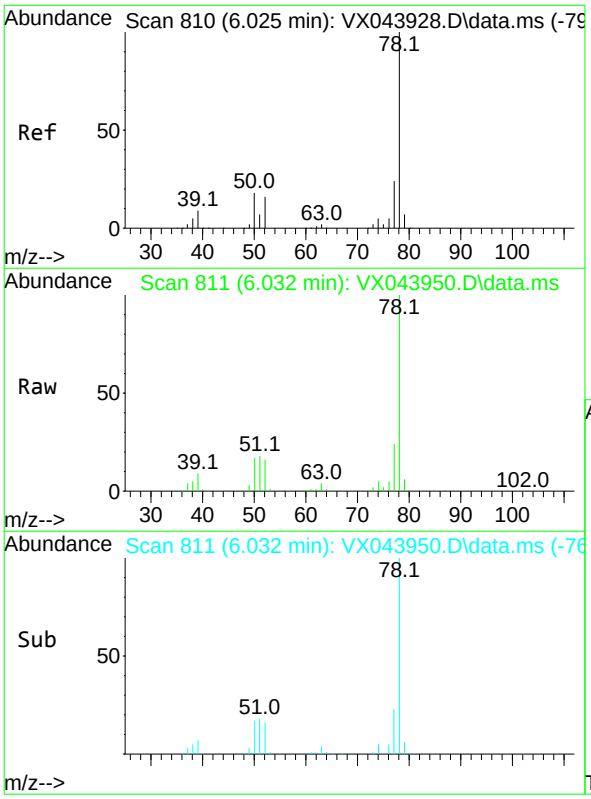
Ion	Ratio	Lower	Upper
83	100		
55	77.4	63.1	94.7
98	51.2	40.0	60.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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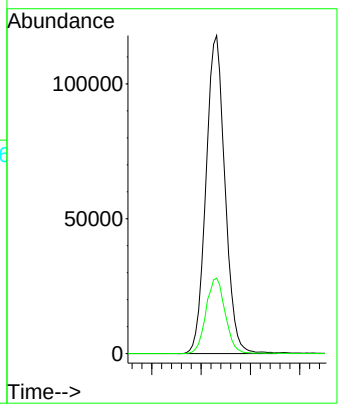


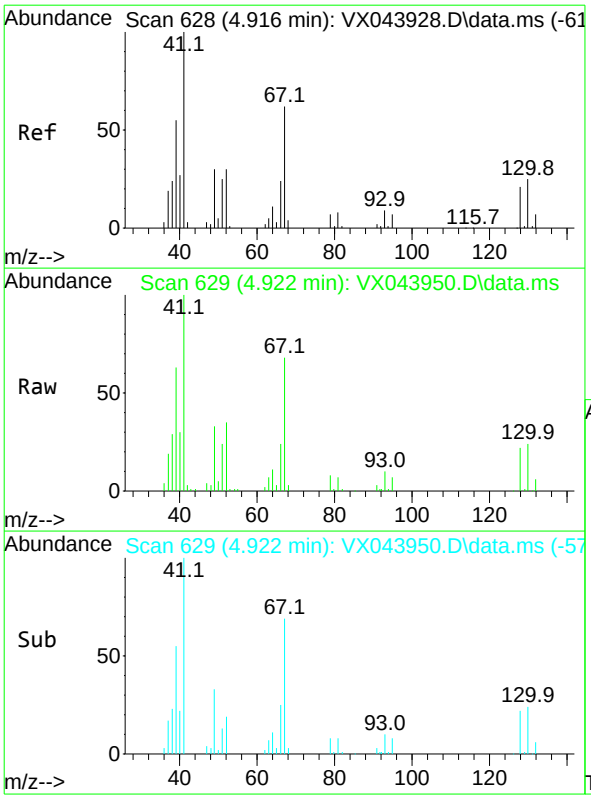


#40
Benzene
Concen: 54.016 ug/l
RT: 6.032 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 78 Resp: 314837

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.2	28.8

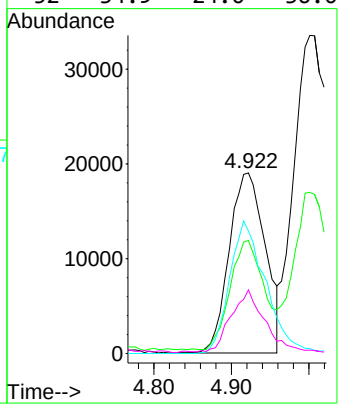




#41
Methacrylonitrile
Concen: 51.710 ug/l
RT: 4.922 min Scan# 62
Delta R.T. 0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 41 Resp: 61474

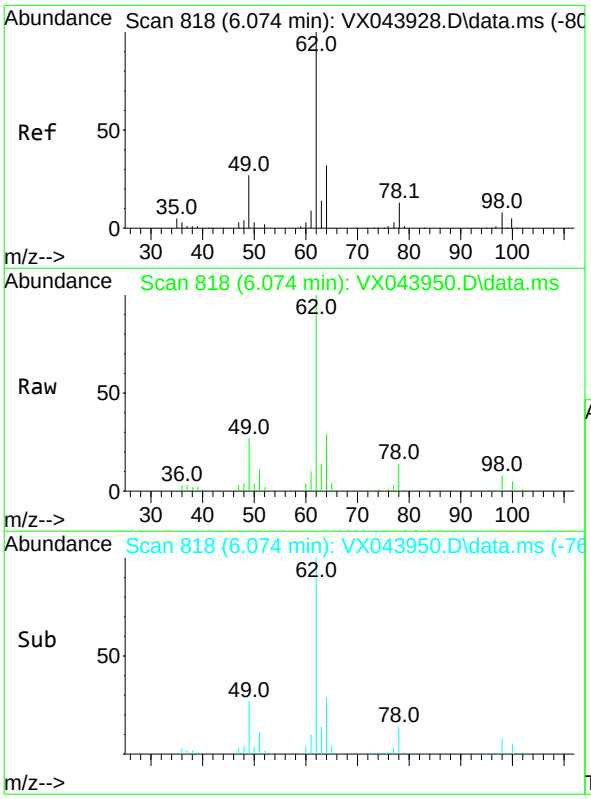
Ion	Ratio	Lower	Upper
41	100		
39	57.2	41.7	62.5
67	74.2	55.8	83.8
52	34.9	24.0	36.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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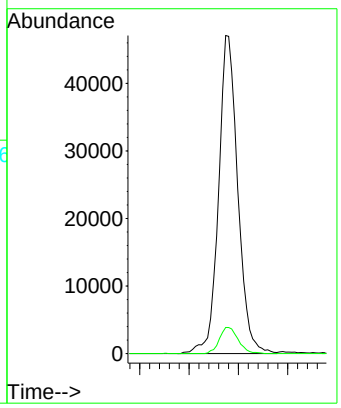
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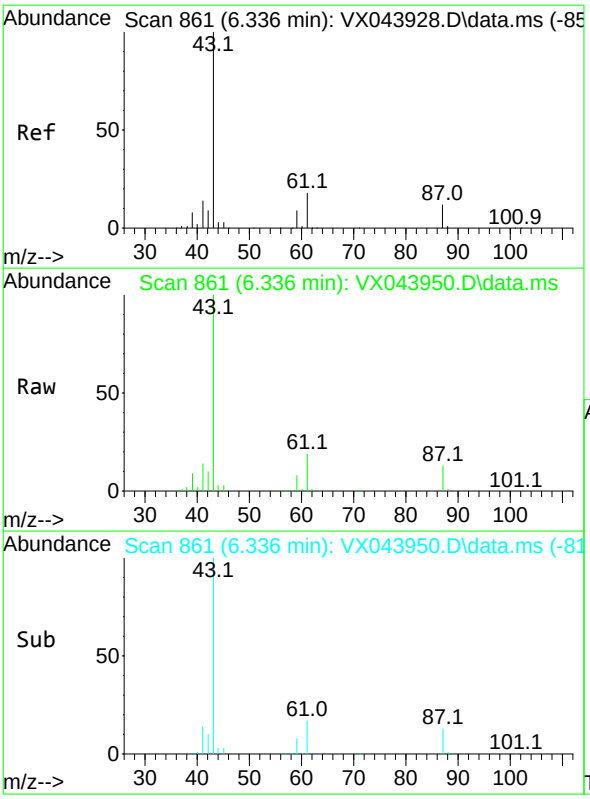


#42
1,2-Dichloroethane
Concen: 54.501 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 62 Resp: 127580

Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	16.4





#43
Isopropyl Acetate
Concen: 53.153 ug/l
RT: 6.336 min Scan# 86
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

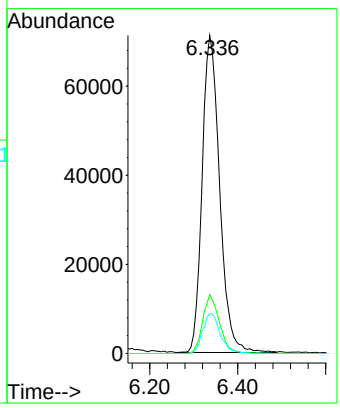
Tgt Ion: 43 Resp: 196481

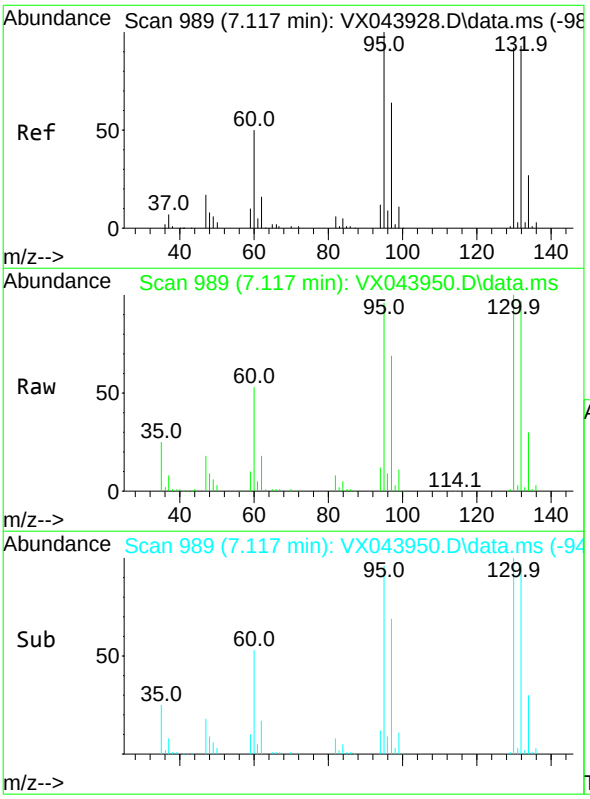
Ion	Ratio	Lower	Upper
43	100		
61	17.6	14.5	21.7
87	12.6	10.2	15.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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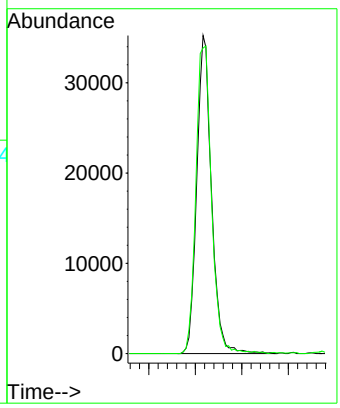


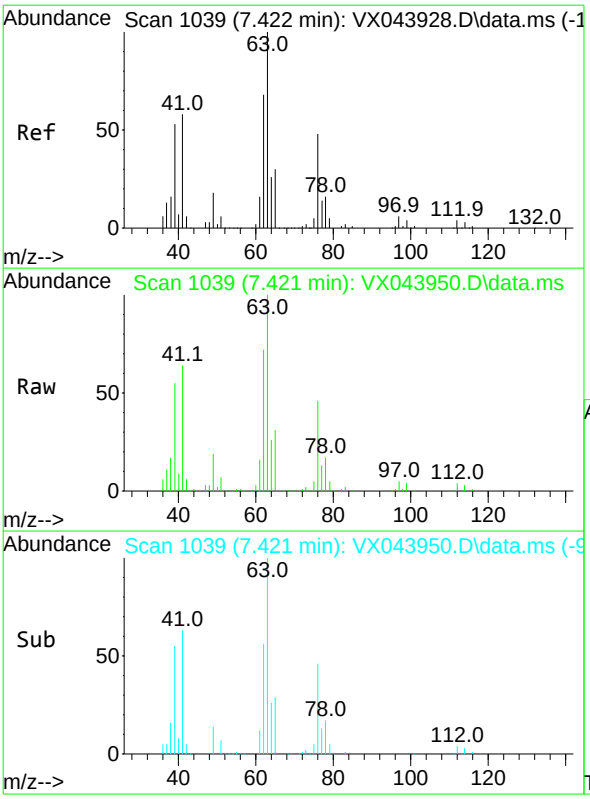


#44
Trichloroethene
Concen: 46.882 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:130 Resp: 77355

Ion	Ratio	Lower	Upper
130	100		
95	96.1	0.0	217.8

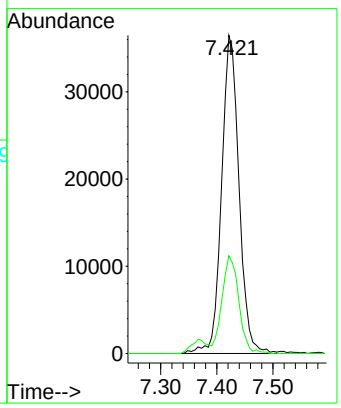




#45
1,2-Dichloropropane
Concen: 55.044 ug/l
RT: 7.421 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 63 Resp: 78579

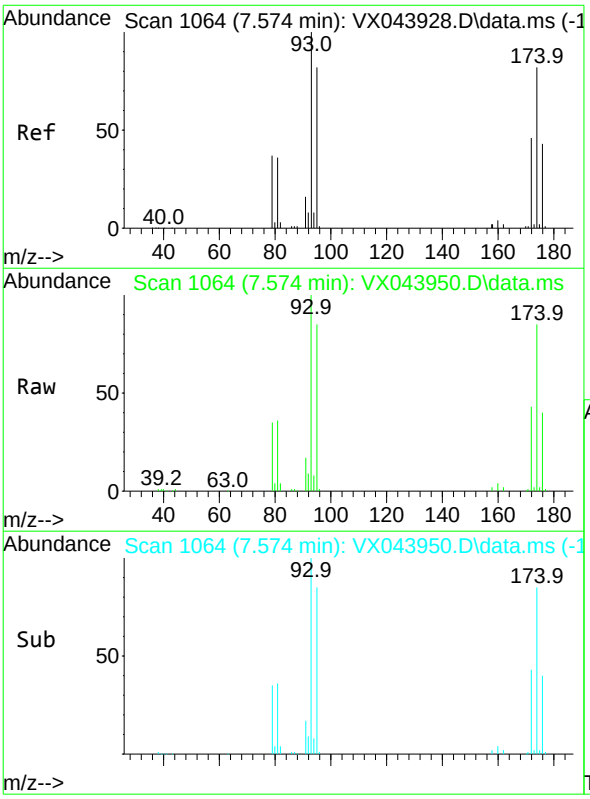
Ion	Ratio	Lower	Upper
63	100		
65	30.8	23.8	35.6



Instrument :
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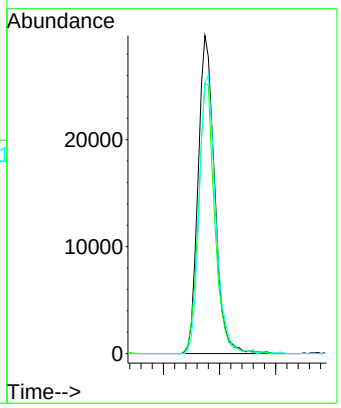
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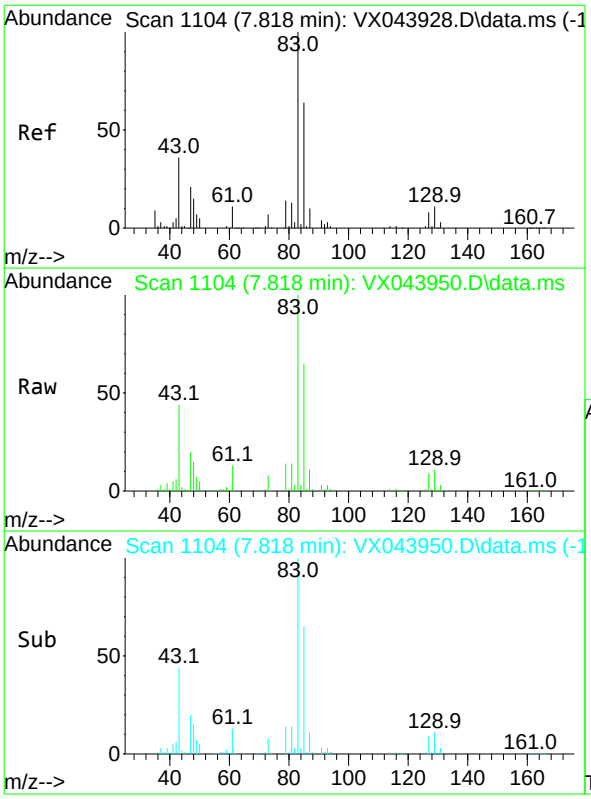


#46
Dibromomethane
Concen: 53.916 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 93 Resp: 60885

Ion	Ratio	Lower	Upper
93	100		
95	83.4	66.2	99.4
174	87.1	69.6	104.4





#47
Bromodichloromethane
Concen: 54.645 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

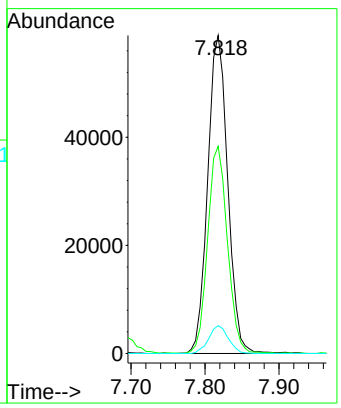
Tgt Ion: 83 Resp: 110672

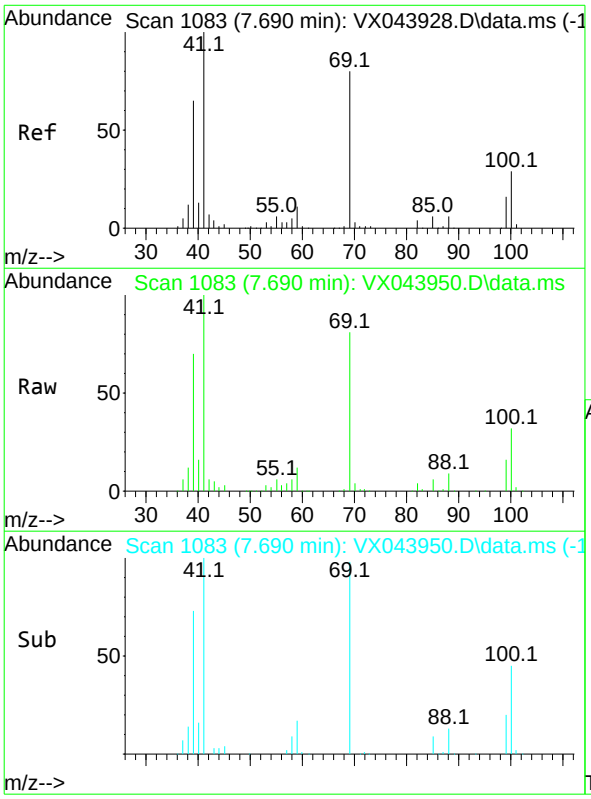
Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.4	77.0
127	8.8	6.6	10.0

Instrument :
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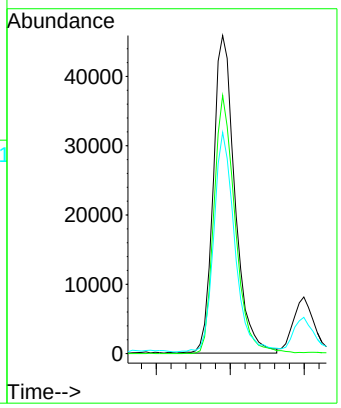


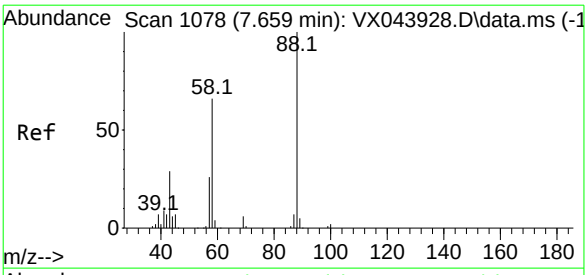


#48
Methyl methacrylate
Concen: 52.453 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 41 Resp: 93037

Ion	Ratio	Lower	Upper
41	100		
69	79.9	64.6	97.0
39	66.9	53.3	79.9





#49
1,4-Dioxane
Concen: 956.809 ug/l
RT: 7.665 min Scan# 10
Delta R.T. 0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

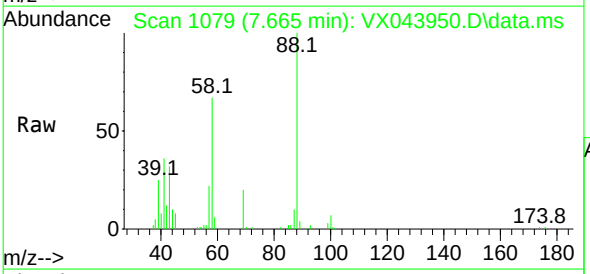
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

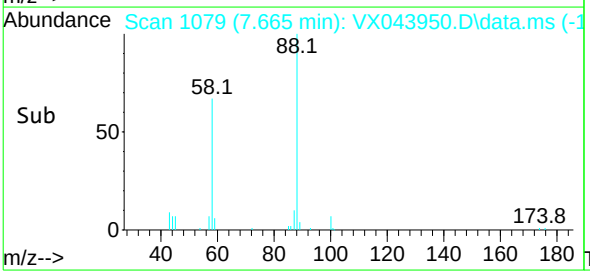
Tgt Ion: 88 Resp: 30231

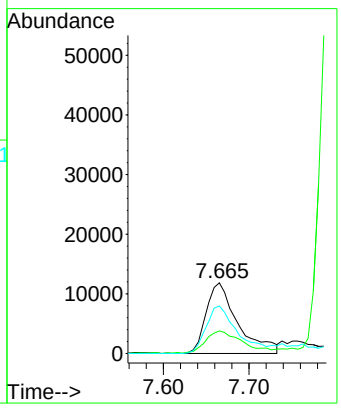
Ion	Ratio	Lower	Upper
88	100		
43	37.9	26.8	40.2
58	66.2	45.4	68.2

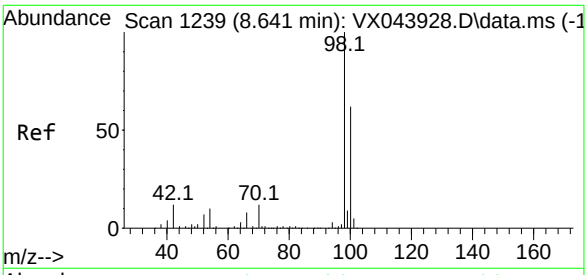
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Reviewed By :John Carlone 11/25/2024
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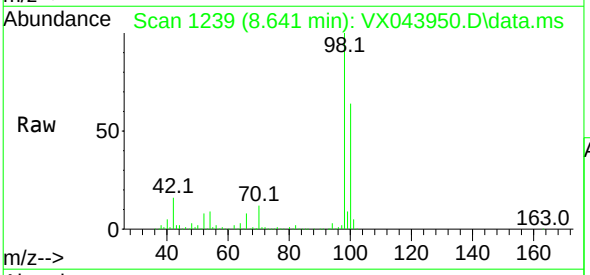


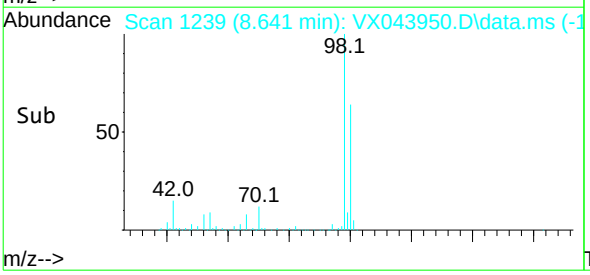


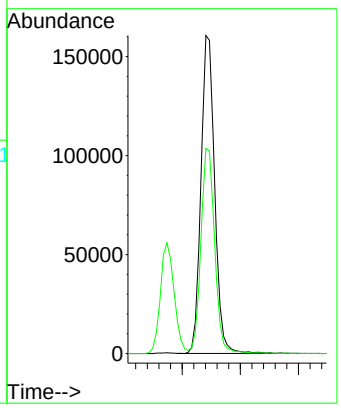
#50
Toluene-d8
Concen: 50.769 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

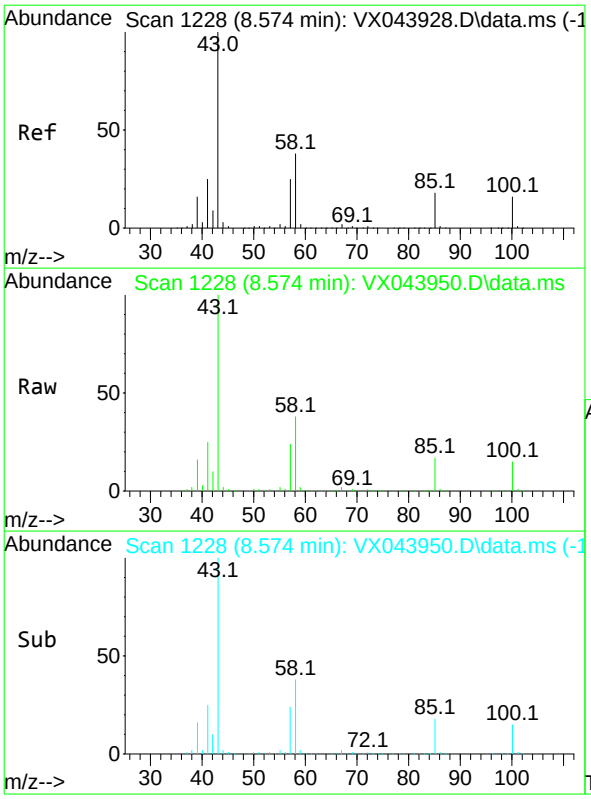
Tgt Ion: 98 Resp: 262790

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.6	79.0









#51
4-Methyl-2-Pentanone
Concen: 269.433 ug/l
RT: 8.574 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

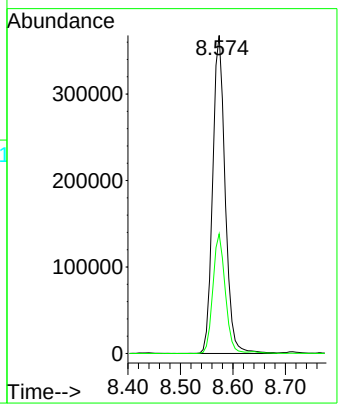
Tgt Ion: 43 Resp: 607788

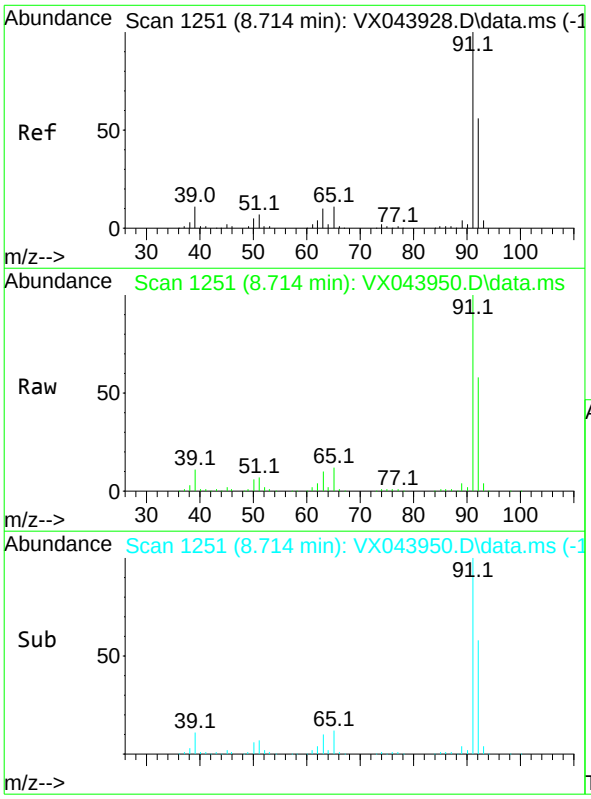
Ion	Ratio	Lower	Upper
43	100		
58	37.0	30.0	45.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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Supervised By :Mahesh Dadoda 11/25/2024

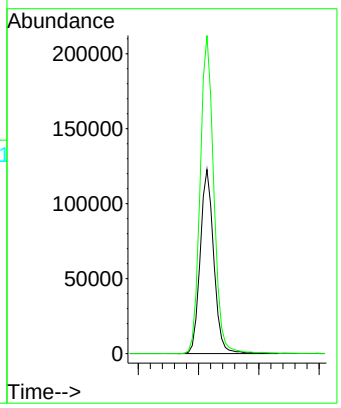


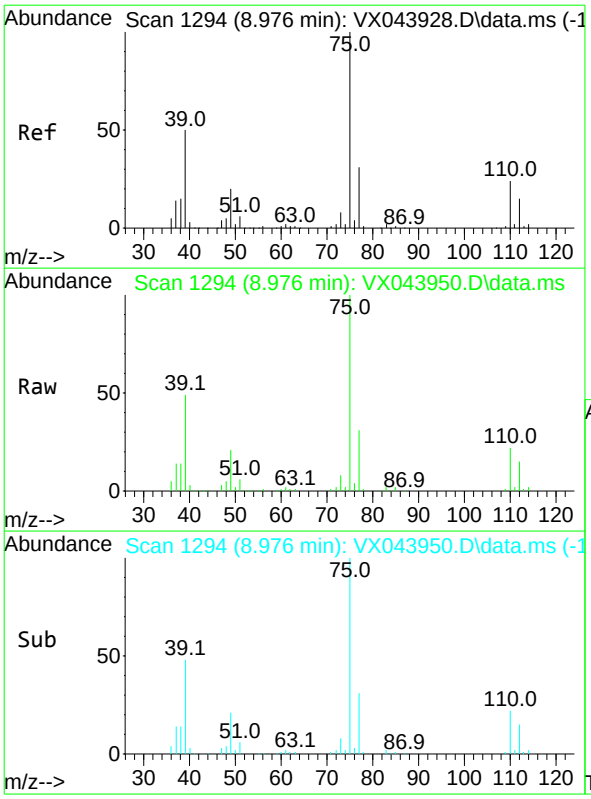


#52
Toluene
Concen: 54.965 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 92 Resp: 191750

Ion	Ratio	Lower	Upper
92	100		
91	174.2	139.7	209.5

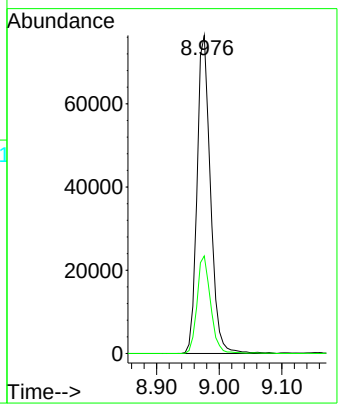




#53
t-1,3-Dichloropropene
Concen: 54.971 ug/l
RT: 8.976 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 75 Resp: 113533

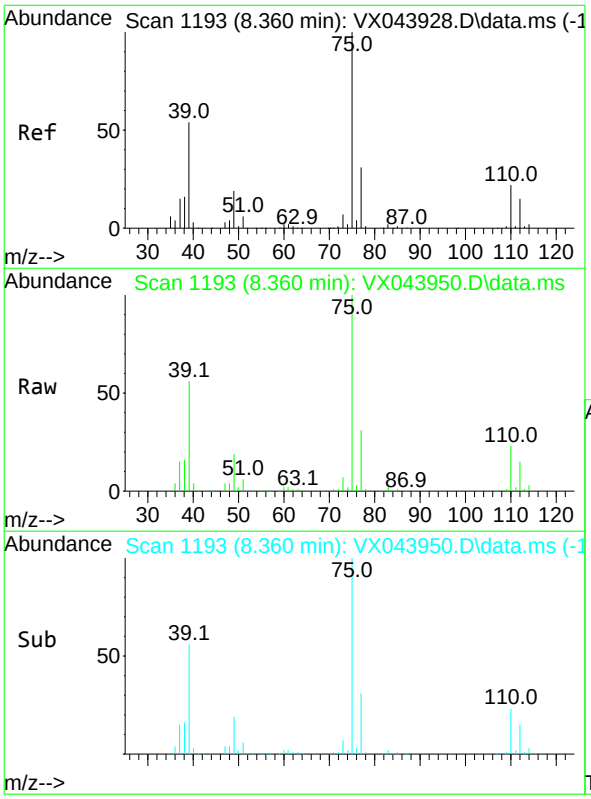
Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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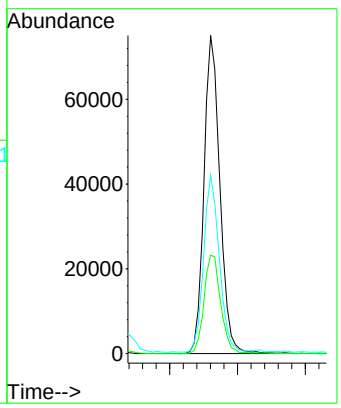
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

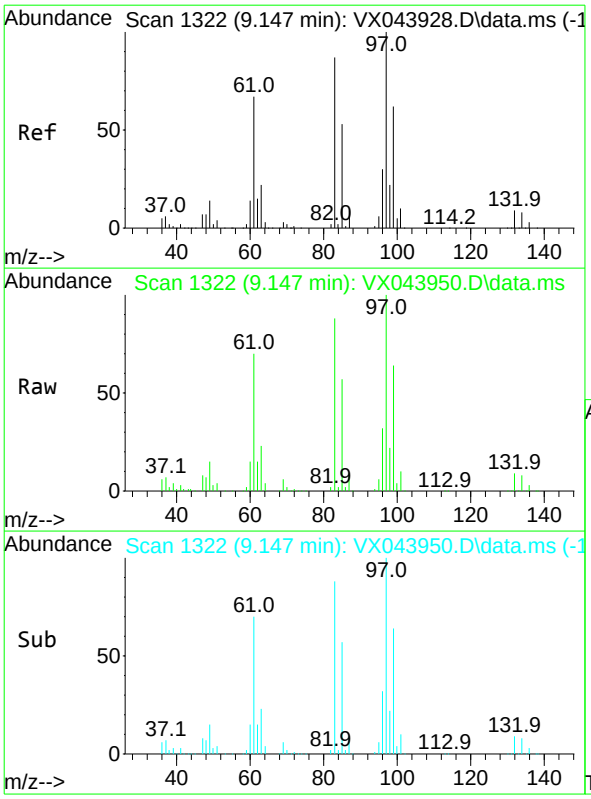


#54
cis-1,3-Dichloropropene
Concen: 54.052 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 75 Resp: 122380

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.2	37.8
39	55.6	43.1	64.7

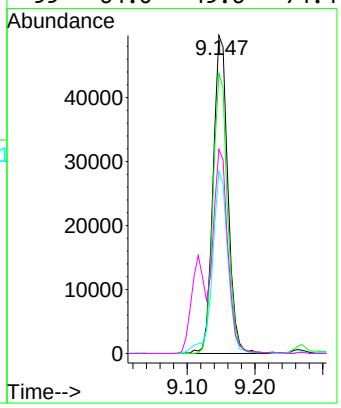




#55
1,1,2-Trichloroethane
Concen: 52.387 ug/l
RT: 9.147 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 97 Resp: 75441

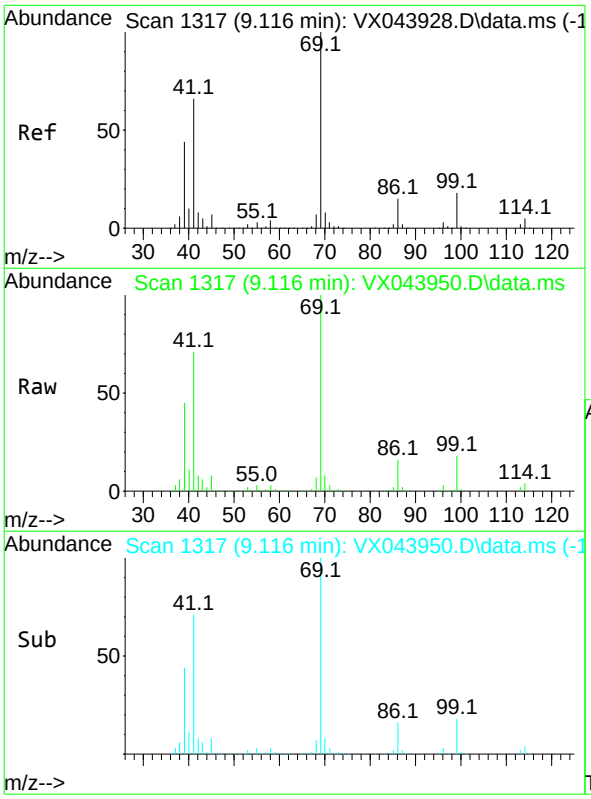
Ion	Ratio	Lower	Upper
97	100		
83	88.0	69.4	104.0
85	57.2	42.3	63.5
99	64.0	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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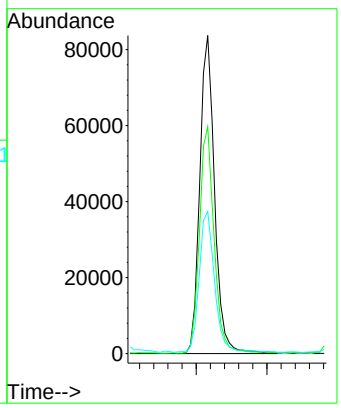
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

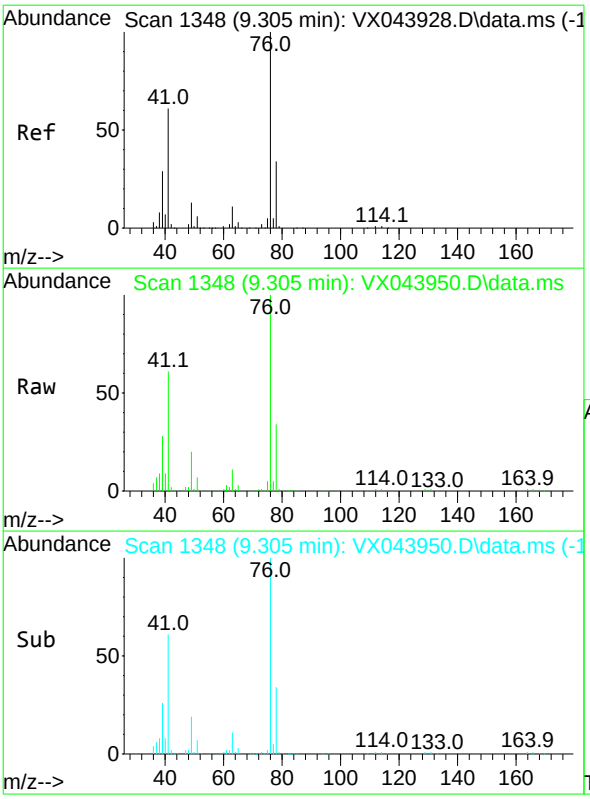


#56
Ethyl methacrylate
Concen: 54.352 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 69 Resp: 121914

Ion	Ratio	Lower	Upper
69	100		
41	70.7	55.8	83.8
39	46.2	36.7	55.1

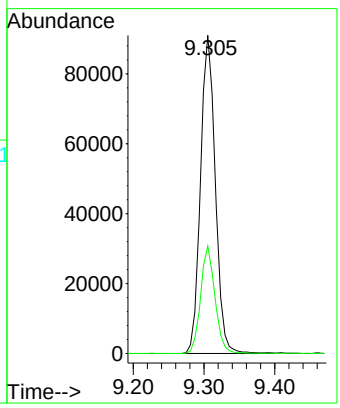




#57
1,3-Dichloropropane
Concen: 54.563 ug/l
RT: 9.305 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 76 Resp: 132364

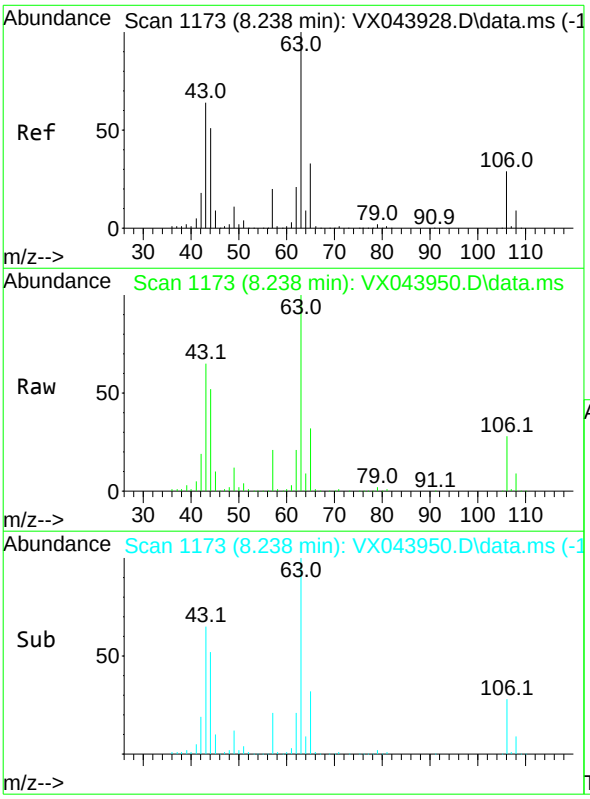
Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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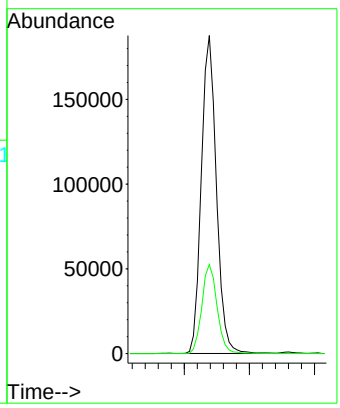
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

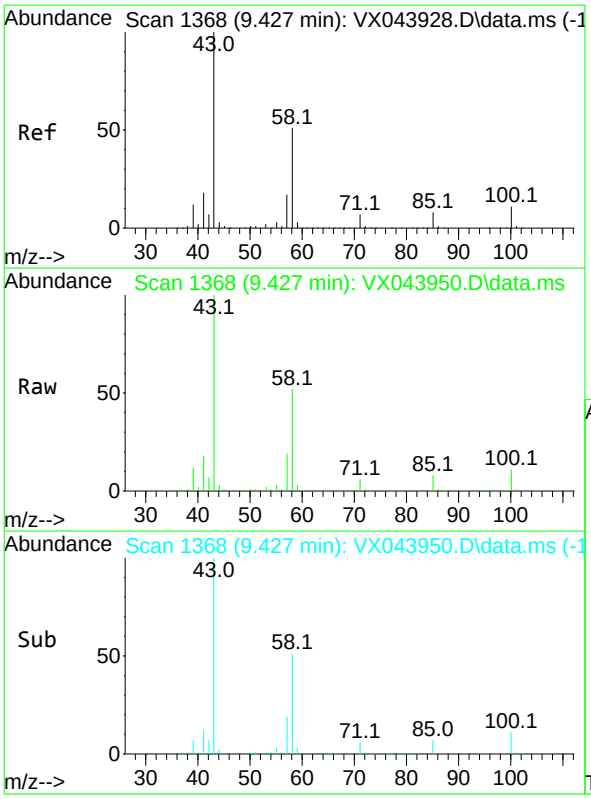


#58
2-Chloroethyl Vinyl ether
Concen: 244.819 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 63 Resp: 301050

Ion	Ratio	Lower	Upper
63	100		
106	28.3	23.0	34.6

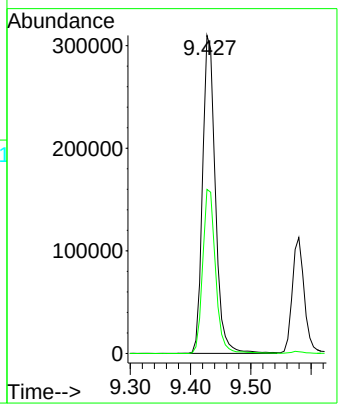




#59
2-Hexanone
Concen: 269.358 ug/l
RT: 9.427 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 456702

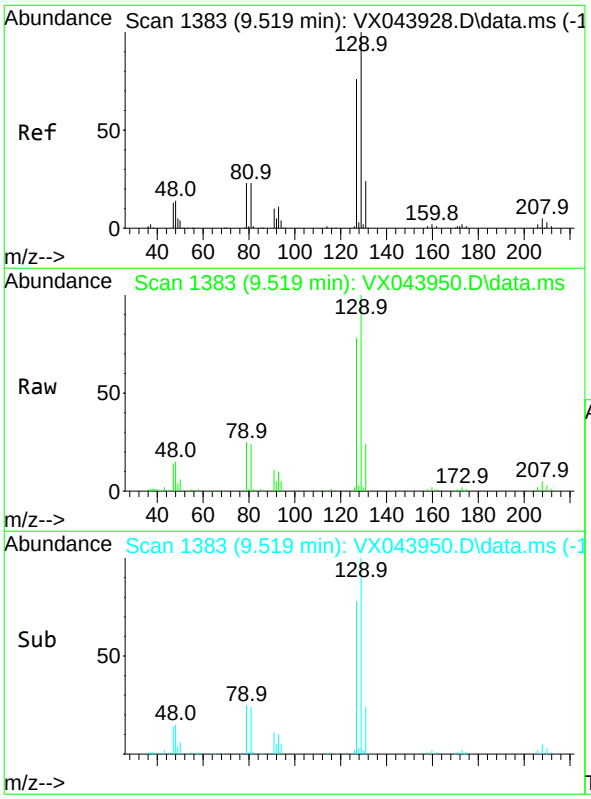
Ion	Ratio	Lower	Upper
43	100		
58	52.0	25.9	77.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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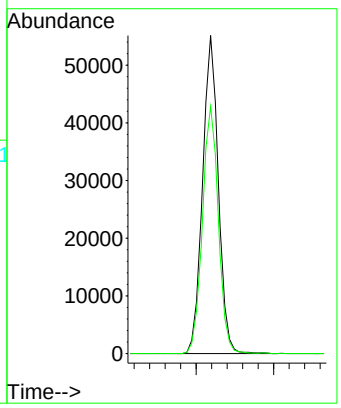
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

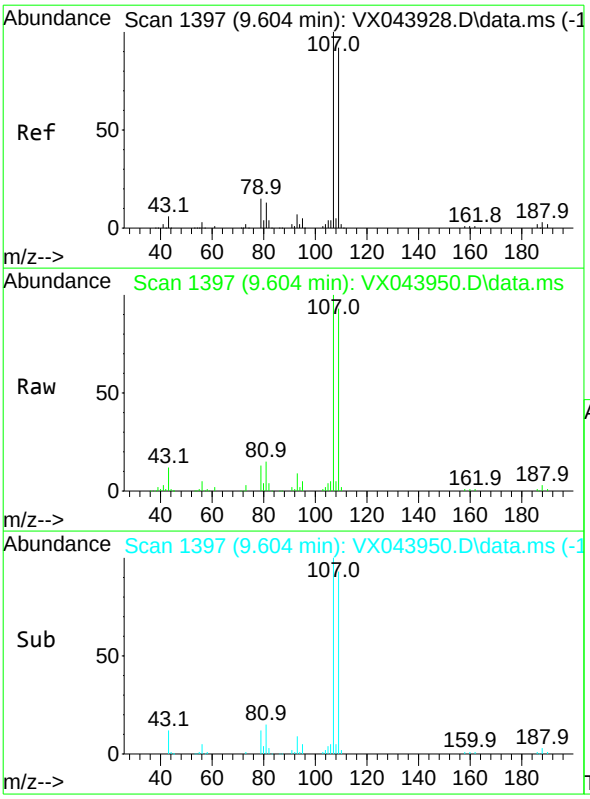


#60
Dibromochloromethane
Concen: 53.853 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:129 Resp: 77811

Ion	Ratio	Lower	Upper
129	100		
127	78.8	38.2	114.6





#61
1,2-Dibromoethane
Concen: 54.040 ug/l
RT: 9.604 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

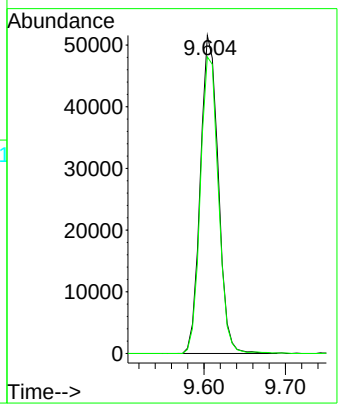
Tgt Ion:107 Resp: 78690

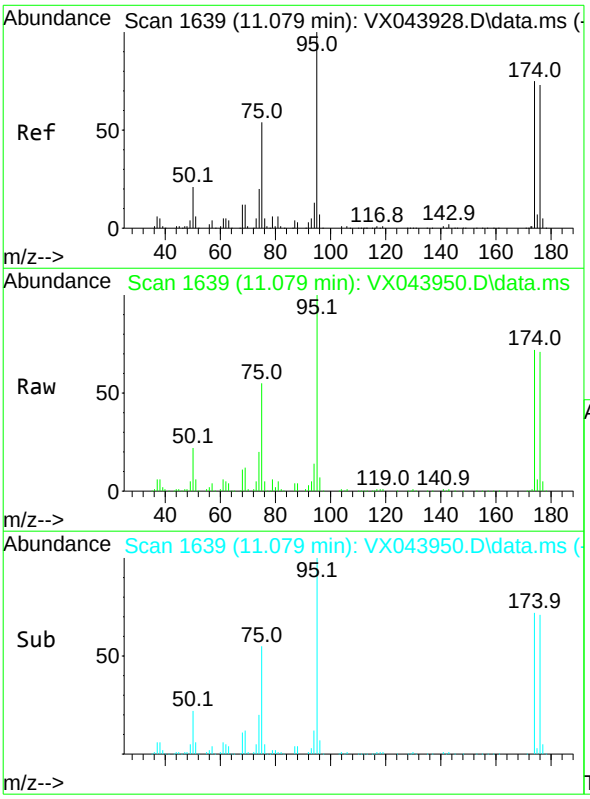
Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.2	112.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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Reviewed By :John Carlone 11/25/2024
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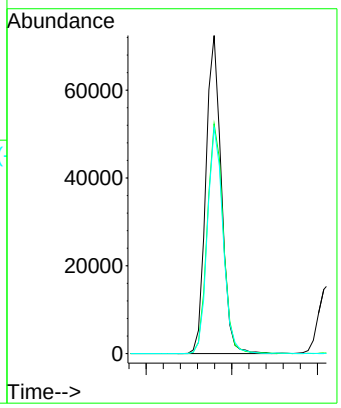


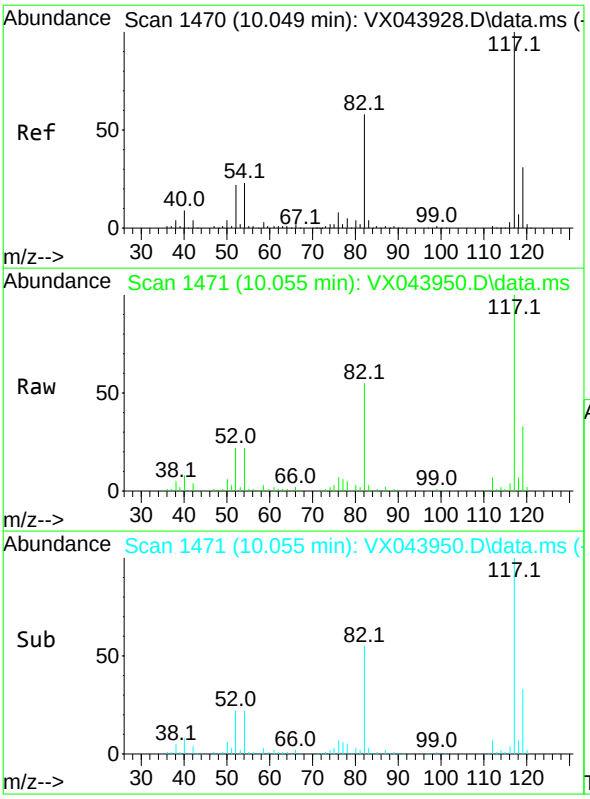


#62
4-Bromofluorobenzene
Concen: 51.686 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 95 Resp: 91050

Ion	Ratio	Lower	Upper
95	100		
174	74.0	0.0	150.4
176	71.5	0.0	146.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

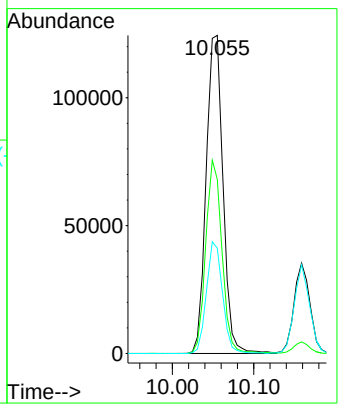
Instrument :
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ClientSampleId :
VSTDCCC050

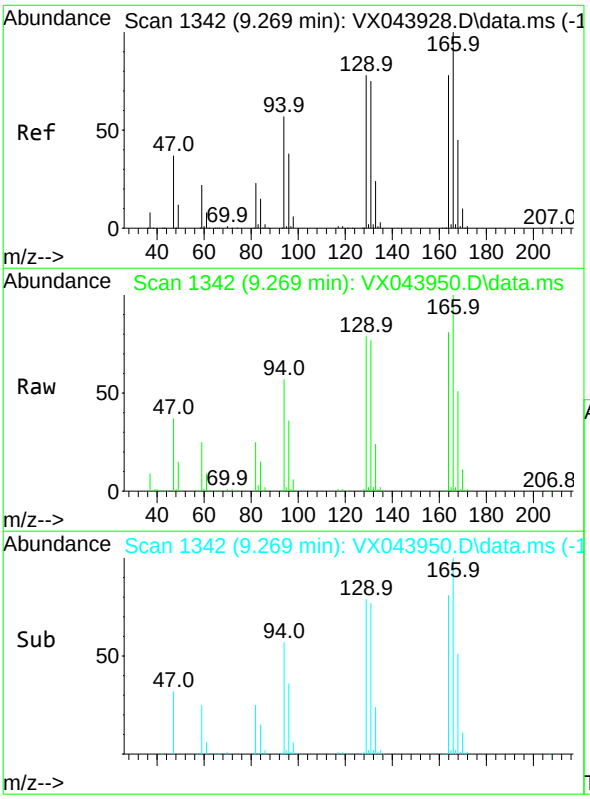
Tgt Ion:117 Resp: 179277

Ion	Ratio	Lower	Upper
117	100		
82	54.8	46.4	69.6
119	33.1	24.6	37.0

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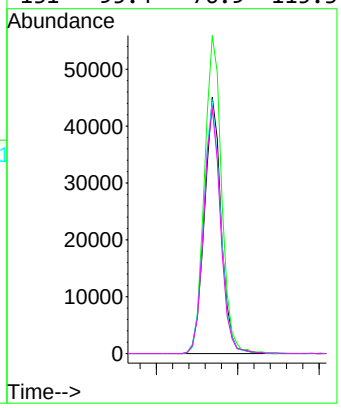


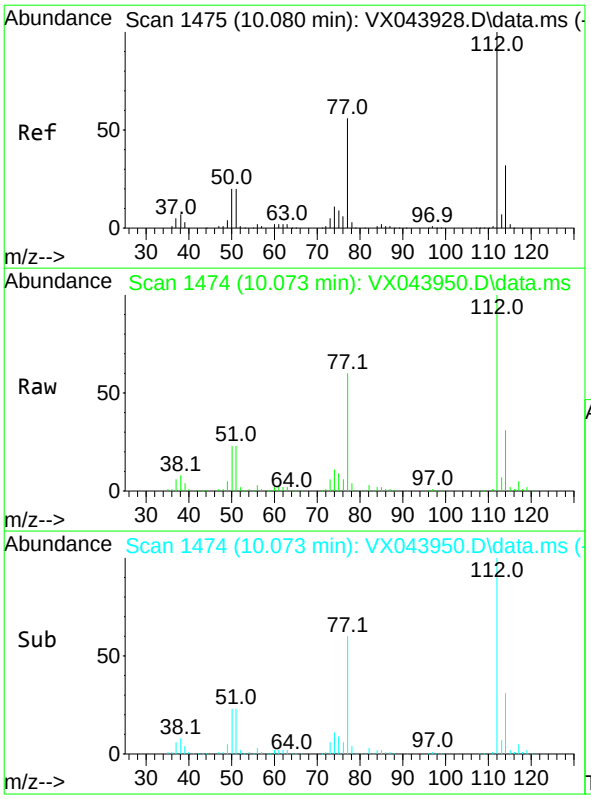


#64
Tetrachloroethene
Concen: 54.365 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:164 Resp: 64266

Ion	Ratio	Lower	Upper
164	100		
166	124.1	102.1	153.1
129	98.1	79.6	119.4
131	95.4	76.9	115.3

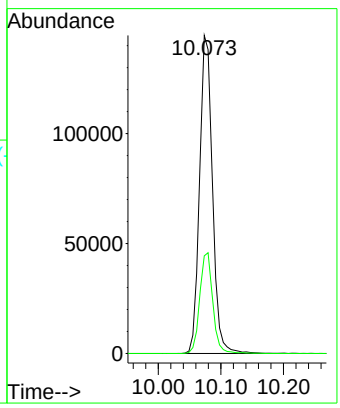




#65
Chlorobenzene
Concen: 52.640 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:112 Resp: 207265

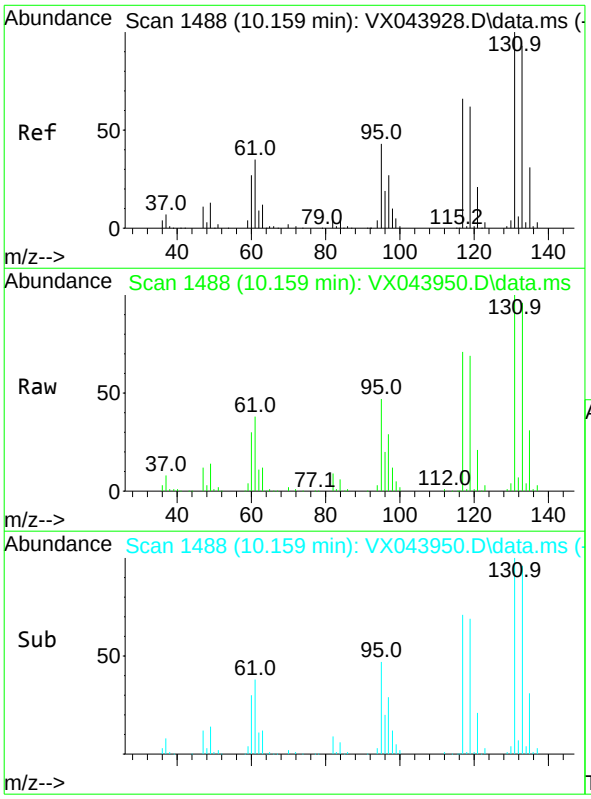
Ion	Ratio	Lower	Upper
112	100		
114	30.7	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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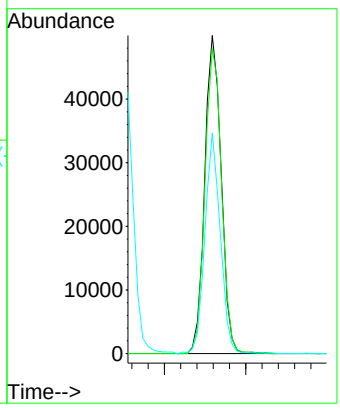
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

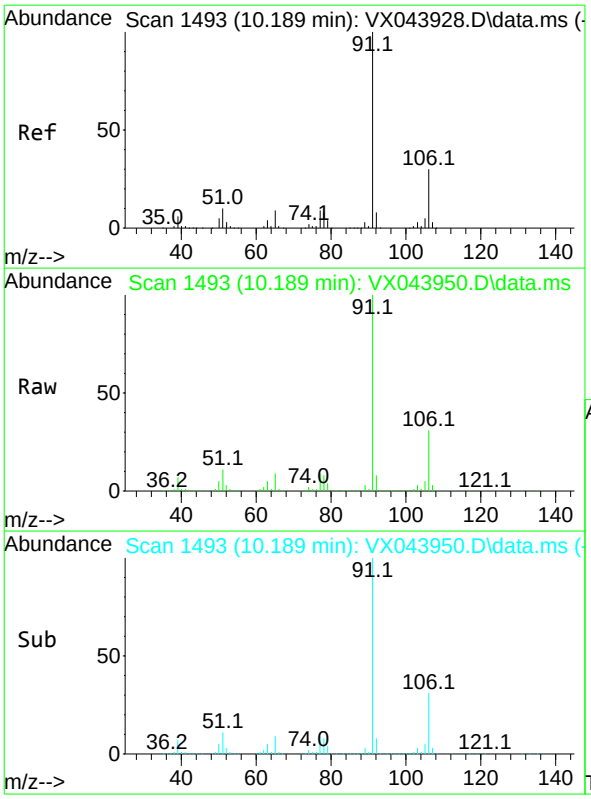


#66
1,1,1,2-Tetrachloroethane
Concen: 54.854 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:131 Resp: 70047

Ion	Ratio	Lower	Upper
131	100		
133	96.7	48.2	144.6
119	65.1	31.5	94.5





#67
Ethyl Benzene
Concen: 55.362 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

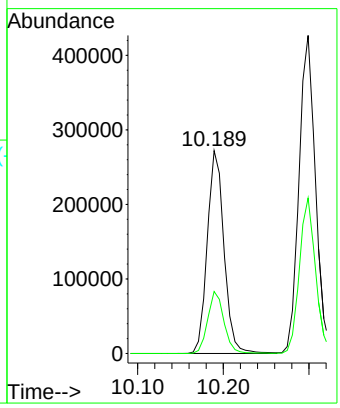
Tgt Ion: 91 Resp: 369374

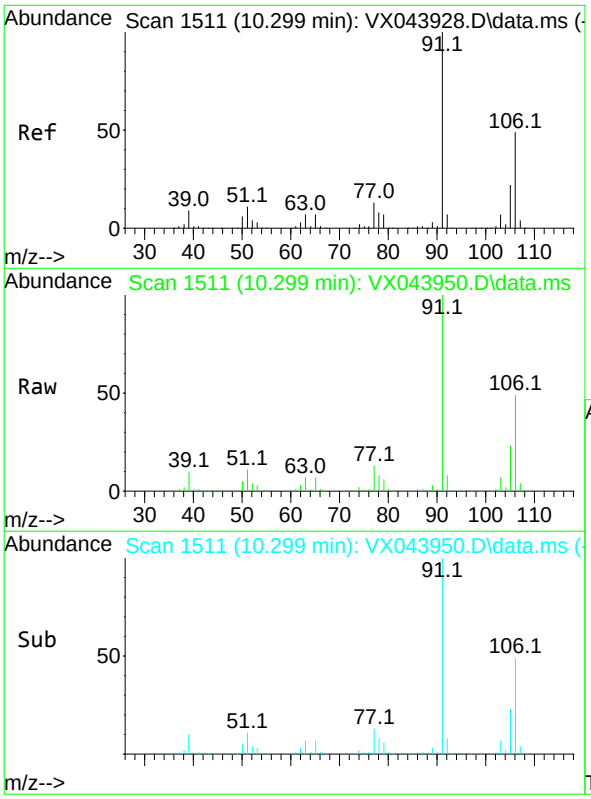
Ion	Ratio	Lower	Upper
91	100		
106	30.6	23.6	35.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

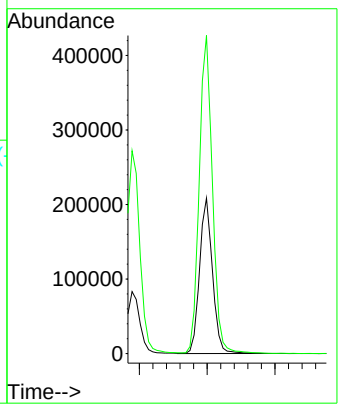


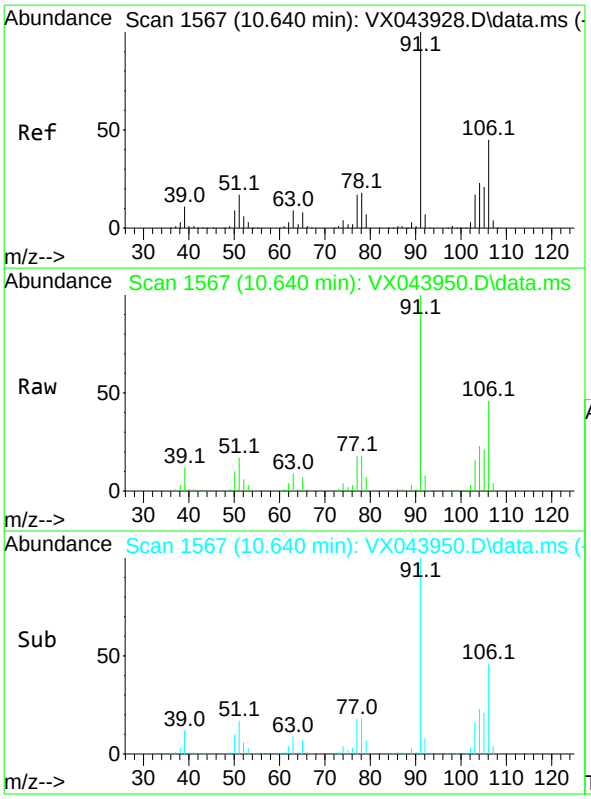


#68
m/p-Xylenes
Concen: 110.758 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:106 Resp: 275579

Ion	Ratio	Lower	Upper
106	100		
91	209.0	168.1	252.1





#69
o-Xylene
Concen: 55.187 ug/l
RT: 10.640 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

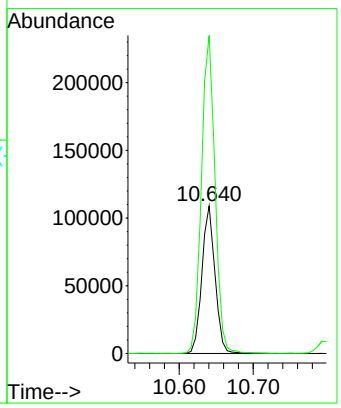
Tgt Ion:106 Resp: 134066

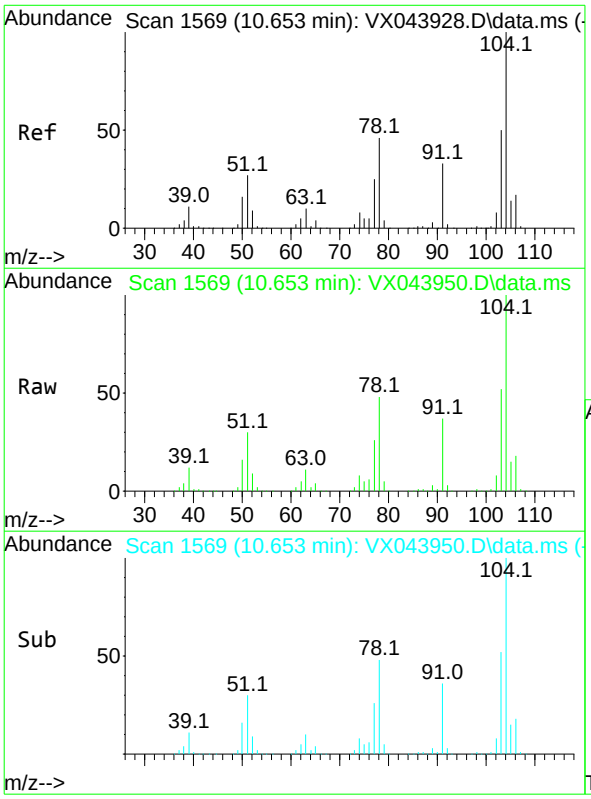
Ion	Ratio	Lower	Upper
106	100		
91	223.3	110.2	330.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

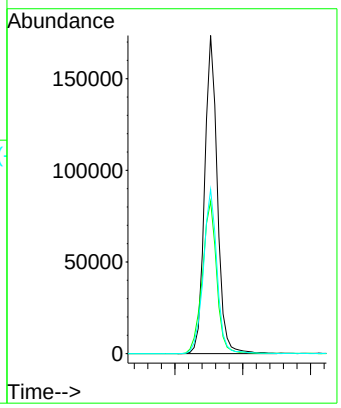


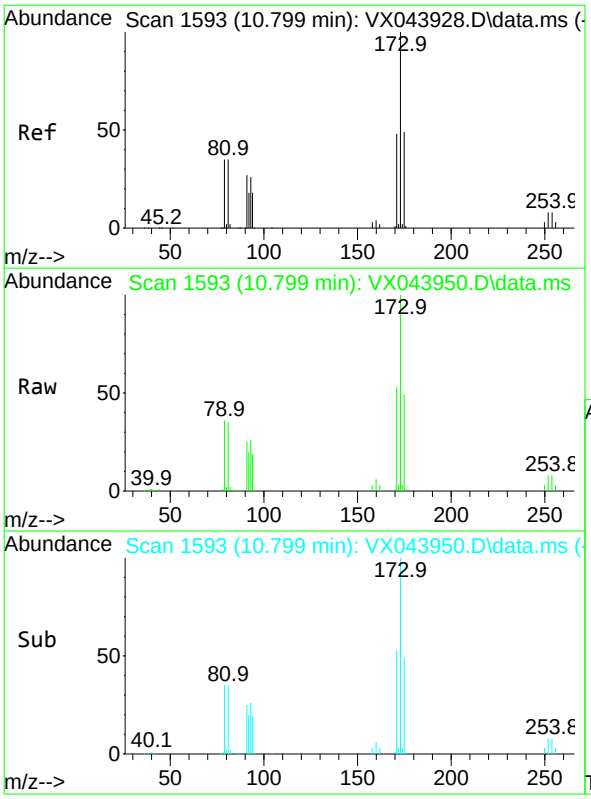


#70
Styrene
Concen: 56.140 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:104 Resp: 225568

Ion	Ratio	Lower	Upper
104	100		
78	53.9	42.2	63.2
103	55.5	44.7	67.1





#71
Bromoform
Concen: 48.773 ug/l
RT: 10.799 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

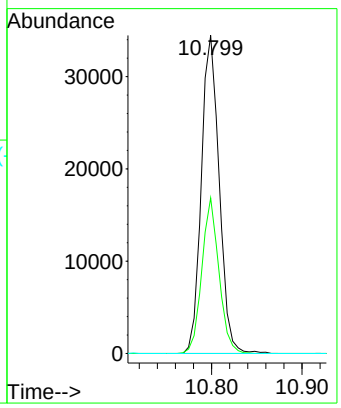
Tgt Ion:173 Resp: 47233

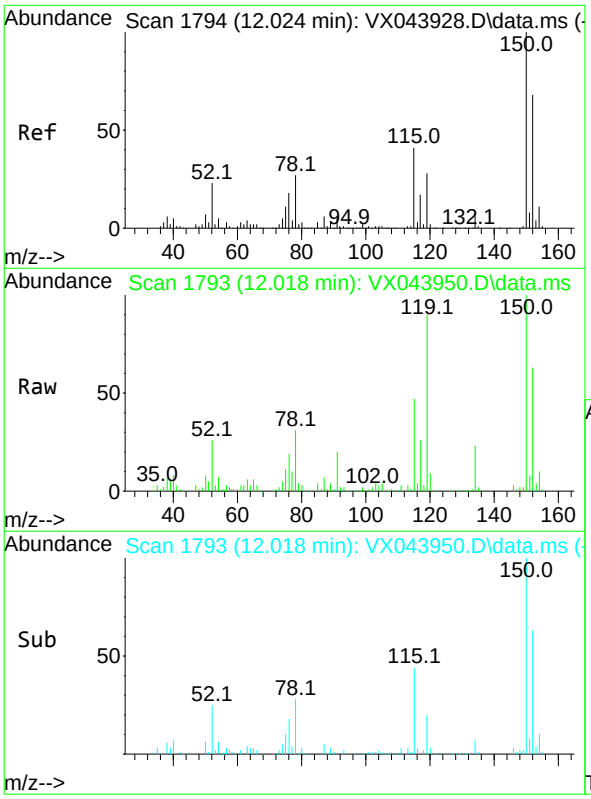
Ion	Ratio	Lower	Upper
173	100		
175	46.8	24.1	72.2
254	0.0	0.0	0.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
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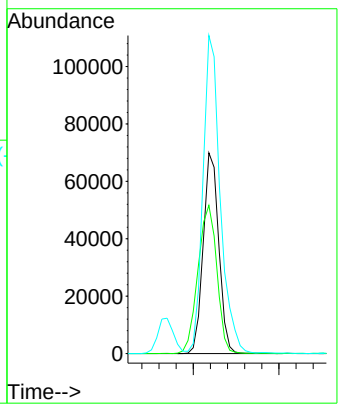


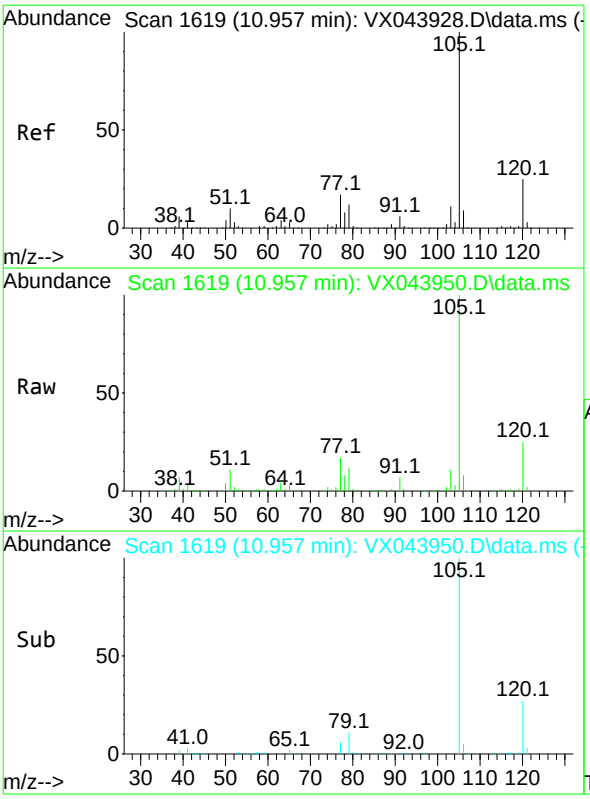


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:152 Resp: 88069

Ion	Ratio	Lower	Upper
152	100		
115	90.2	45.4	136.2
150	176.2	0.0	353.0

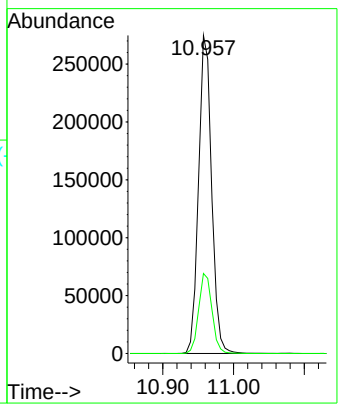




#73
Isopropylbenzene
Concen: 52.039 ug/l
RT: 10.957 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:105 Resp: 352296

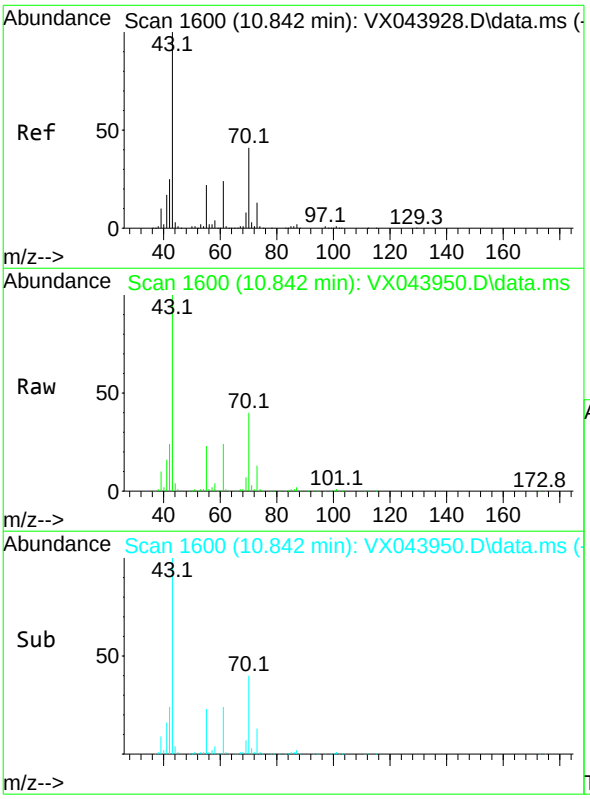
Ion	Ratio	Lower	Upper
105	100		
120	25.6	13.0	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

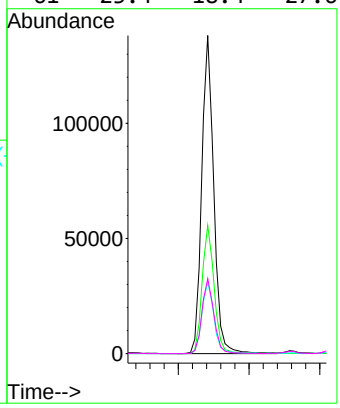
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

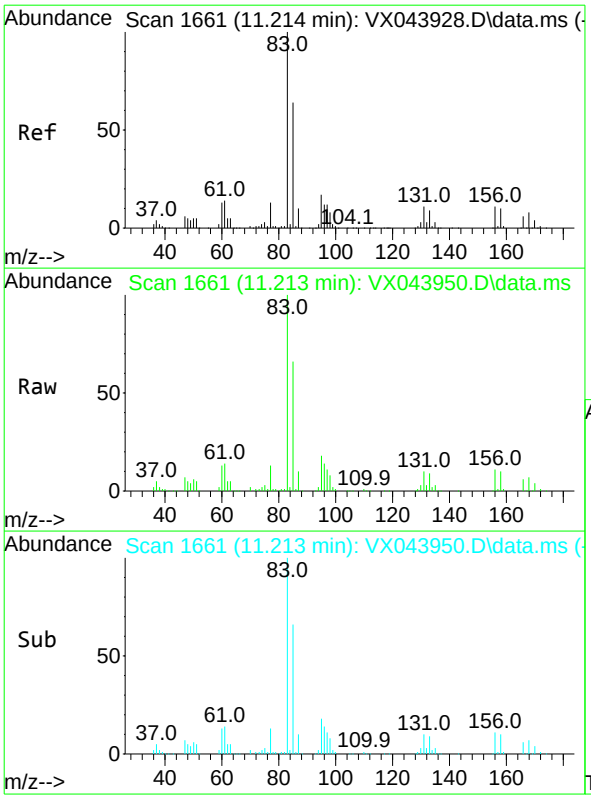


#74
N-amyl acetate
Concen: 51.973 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 162994

Ion	Ratio	Lower	Upper
43	100		
70	40.1	32.2	48.2
55	22.6	18.1	27.1
61	23.4	18.4	27.6





#75
1,1,2,2-Tetrachloroethane
Concen: 51.403 ug/l
RT: 11.213 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

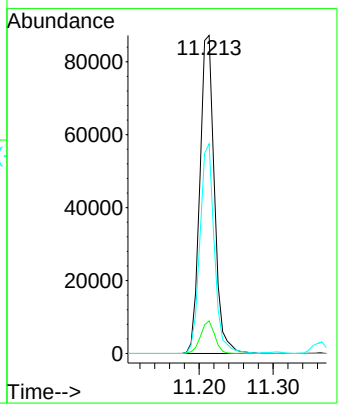
Tgt Ion: 83 Resp: 119153

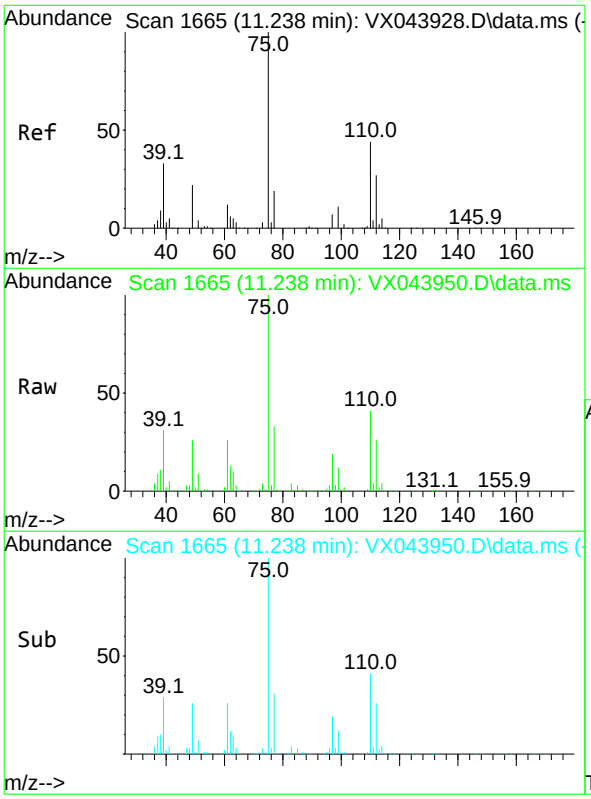
Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.1	15.2
85	65.2	32.2	96.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

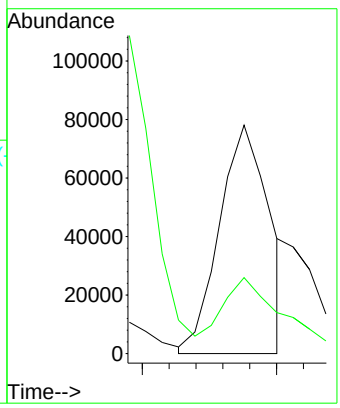


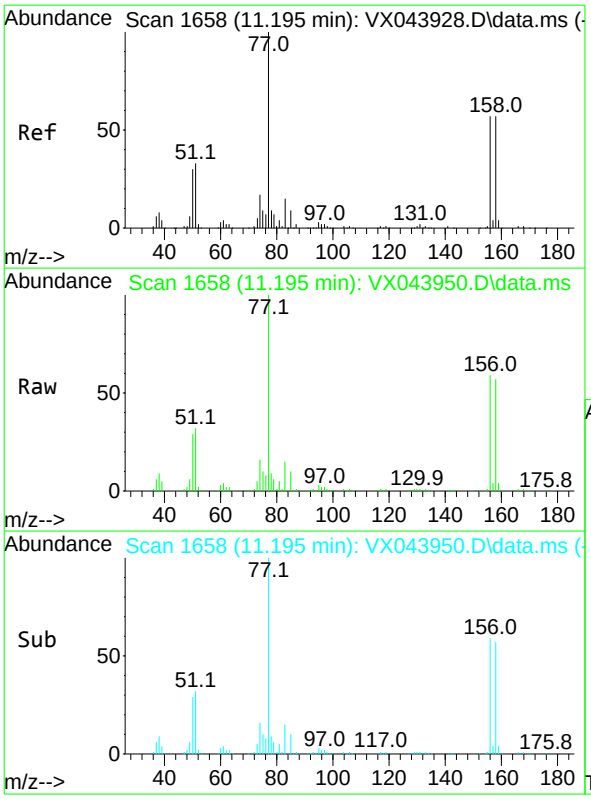


#76
1,2,3-Trichloropropane
Concen: 51.893 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 75 Resp: 100223

Ion	Ratio	Lower	Upper
75	100		
77	42.0	21.8	65.3





#77
Bromobenzene
Concen: 51.338 ug/l
RT: 11.195 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

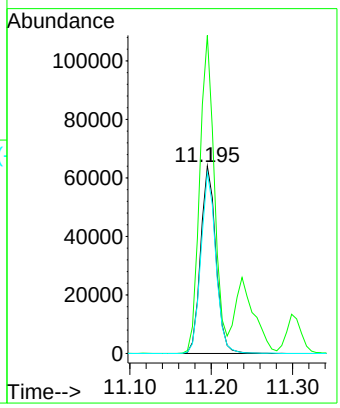
Tgt Ion:156 Resp: 82907

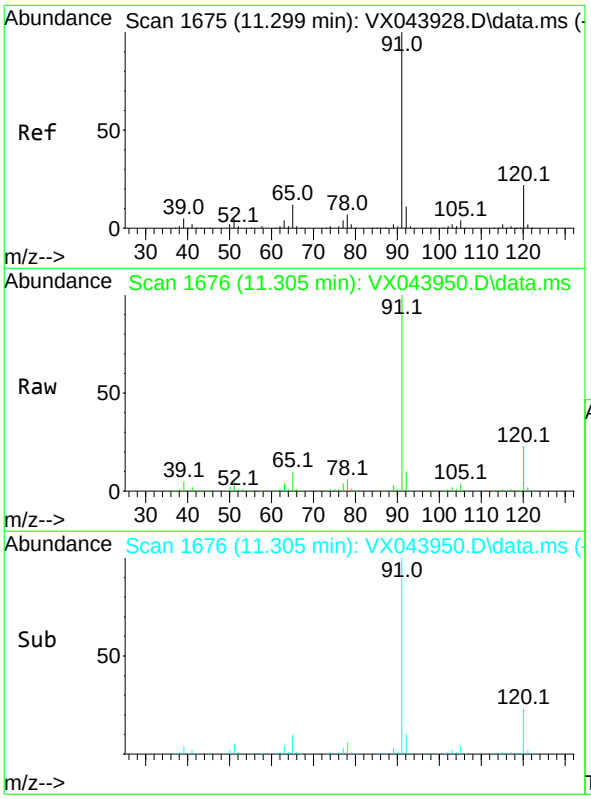
Ion	Ratio	Lower	Upper
156	100		
77	164.1	83.4	250.1
158	94.8	47.6	142.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

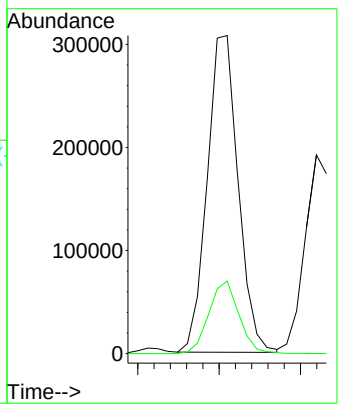


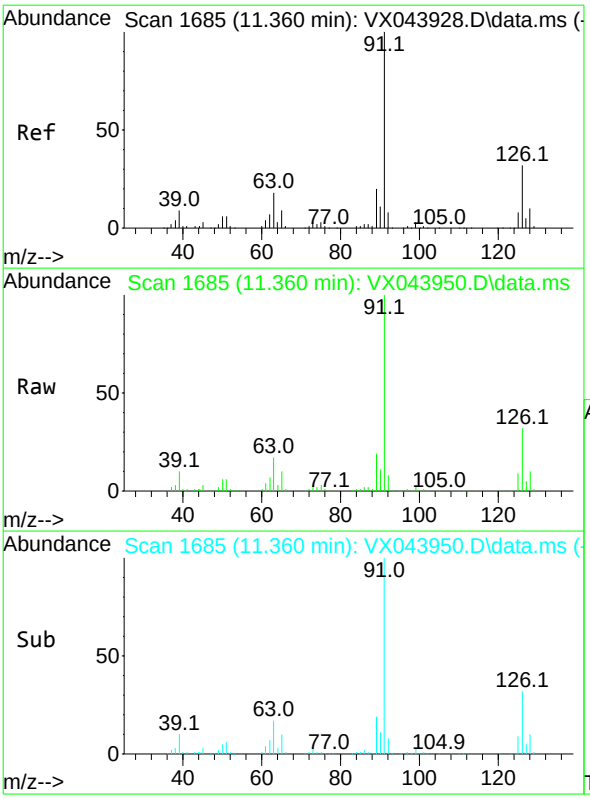


#78
n-propylbenzene
Concen: 53.765 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 91 Resp: 406514

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.5	34.4

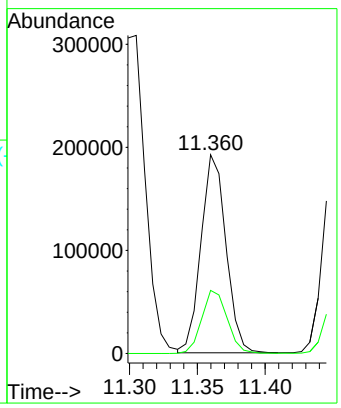




#79
2-Chlorotoluene
Concen: 51.573 ug/l
RT: 11.360 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 91 Resp: 246574

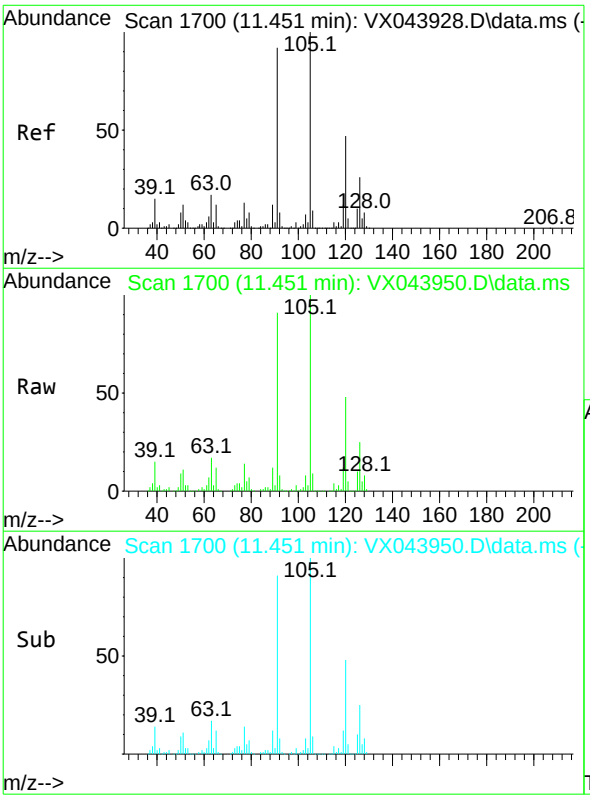
Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.6	49.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

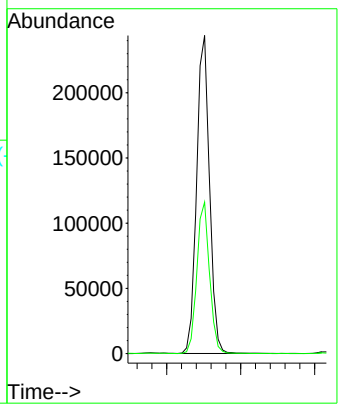
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

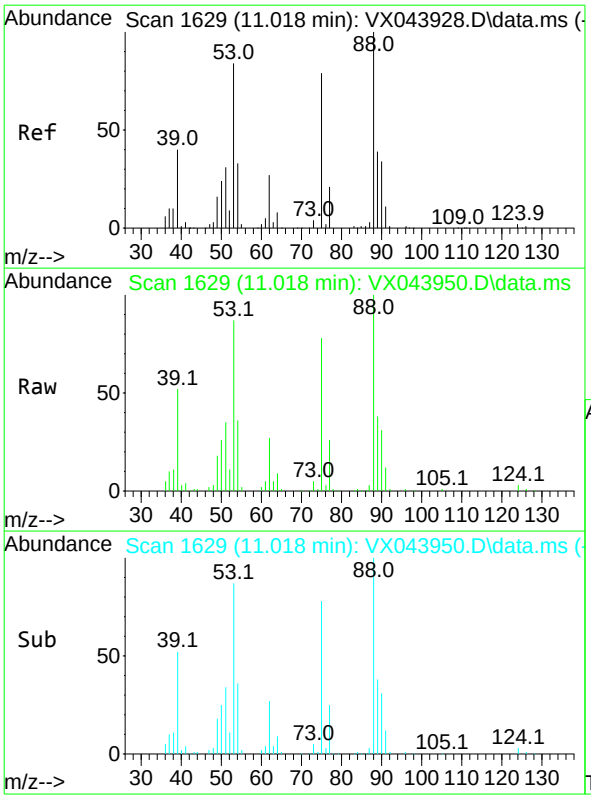


#80
1,3,5-Trimethylbenzene
Concen: 52.968 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:105 Resp: 295006

Ion	Ratio	Lower	Upper
105	100		
120	46.9	23.3	69.8





#81
trans-1,4-Dichloro-2-butene
Concen: 48.492 ug/l
RT: 11.018 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

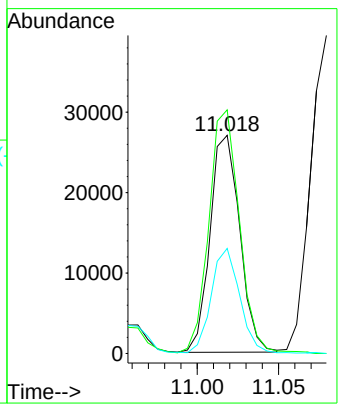
Tgt Ion: 75 Resp: 34321

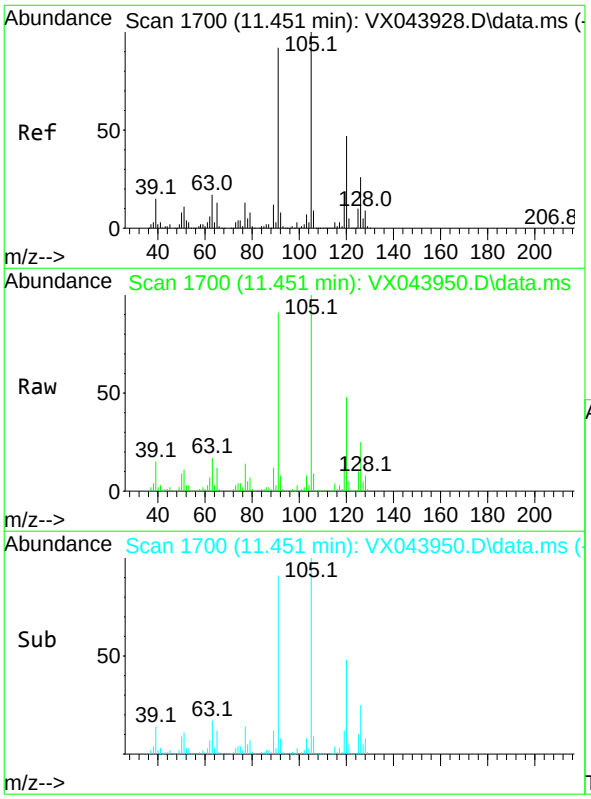
Ion	Ratio	Lower	Upper
75	100		
53	115.3	86.7	130.1
89	46.8	38.2	57.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

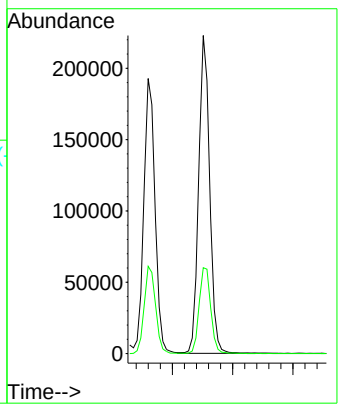


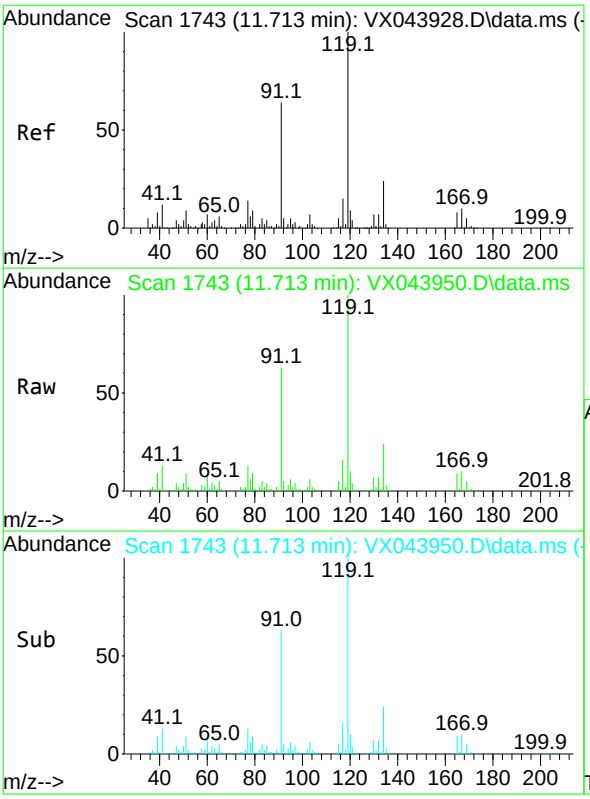


#82
4-Chlorotoluene
Concen: 52.200 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 91 Resp: 281758

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.3	42.9

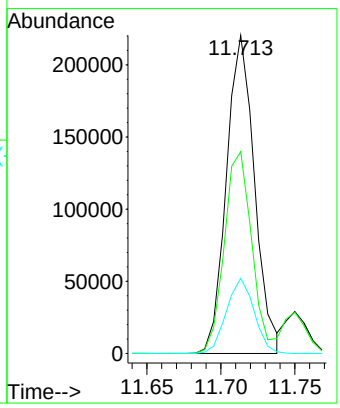




#83
tert-Butylbenzene
Concen: 52.754 ug/l
RT: 11.713 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:119 Resp: 291225

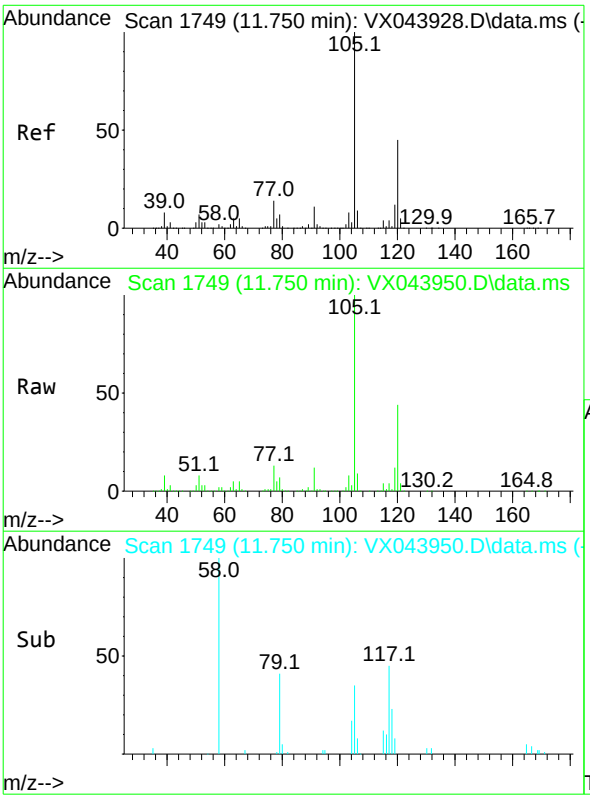
Ion	Ratio	Lower	Upper
119	100		
91	61.3	31.0	93.0
134	23.2	11.6	34.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

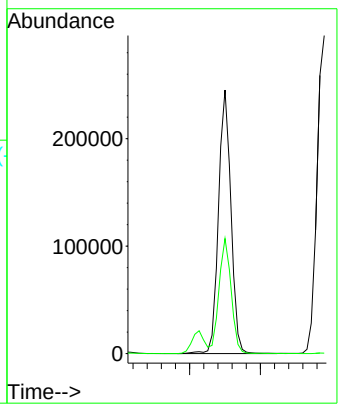
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

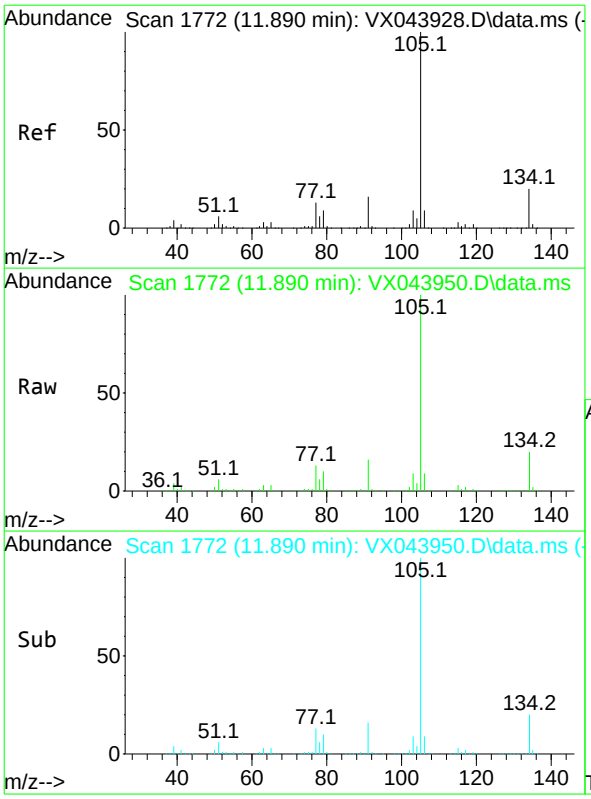


#84
1,2,4-Trimethylbenzene
Concen: 53.956 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:105 Resp: 299186

Ion	Ratio	Lower	Upper
105	100		
120	42.8	21.9	65.7

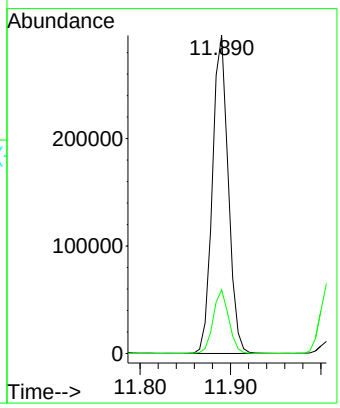




#85
sec-Butylbenzene
Concen: 53.293 ug/l
RT: 11.890 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:105 Resp: 360460

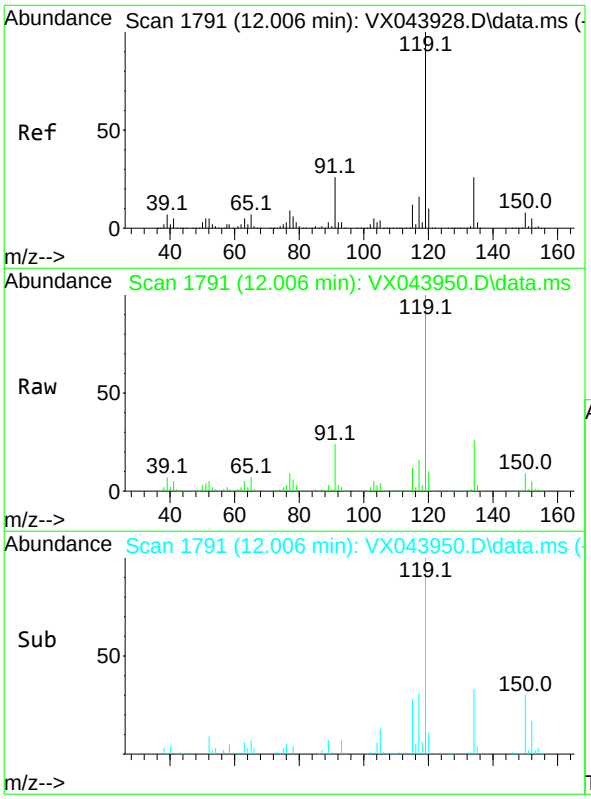
Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.7	29.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

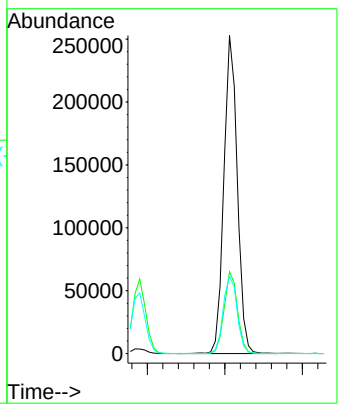
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

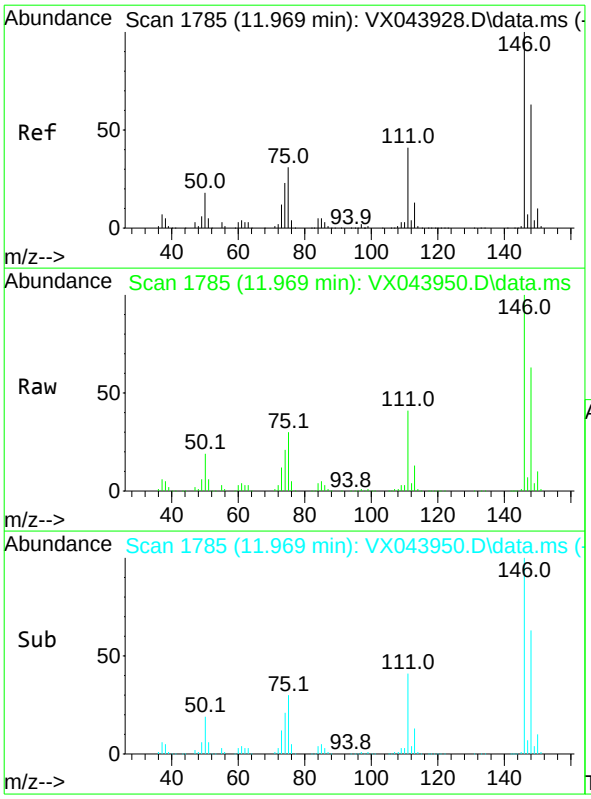


#86
p-Isopropyltoluene
Concen: 55.361 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:119 Resp: 304159

Ion	Ratio	Lower	Upper
119	100		
134	25.7	13.0	38.9
91	25.3	13.0	38.9

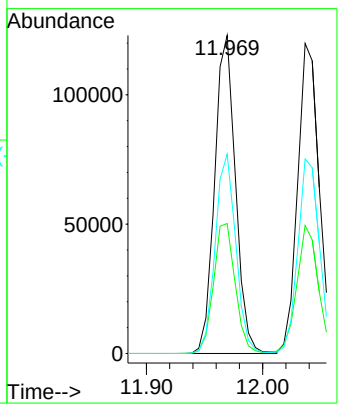




#87
1,3-Dichlorobenzene
Concen: 52.089 ug/l
RT: 11.969 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:146 Resp: 153209

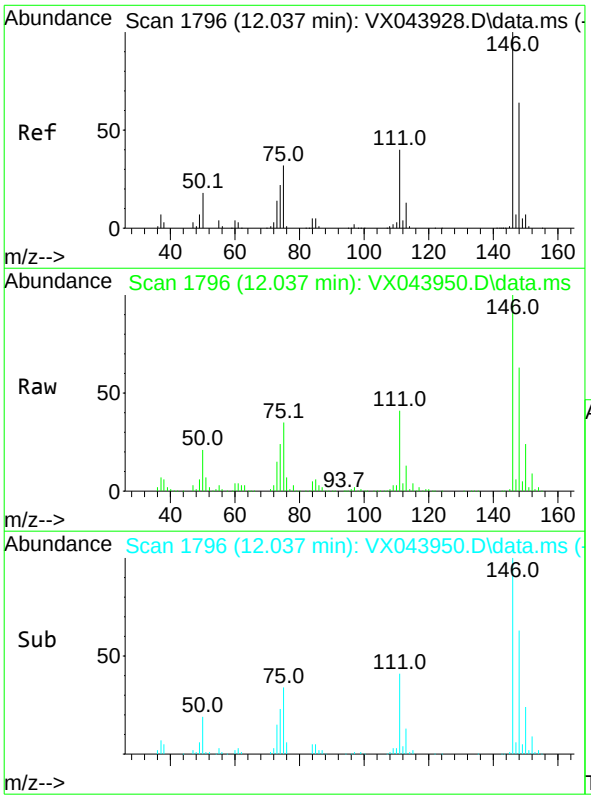
Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.1	63.3
148	62.2	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

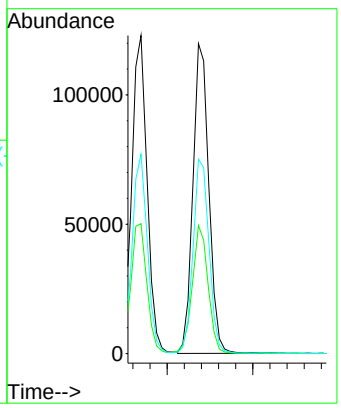
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

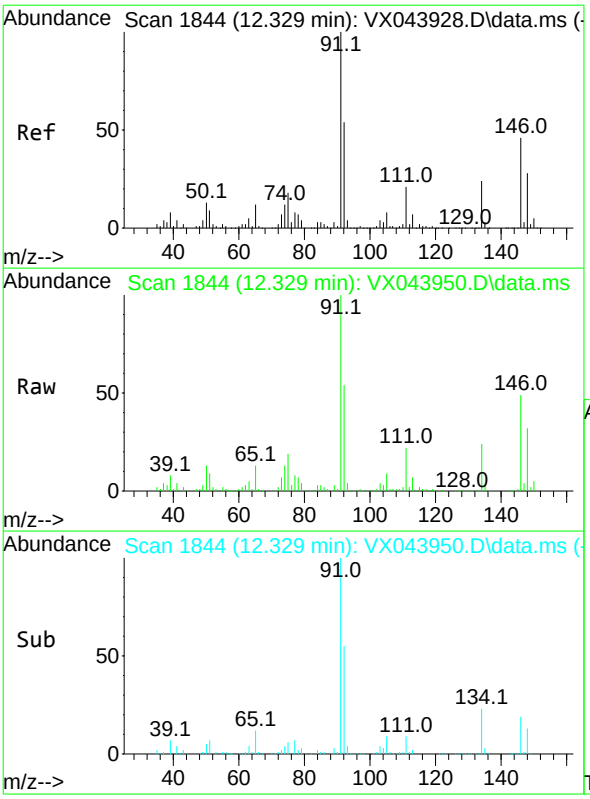


#88
1,4-Dichlorobenzene
Concen: 51.511 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:146 Resp: 154469

Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.1	60.3
148	63.4	30.9	92.8





#89
n-Butylbenzene
Concen: 55.414 ug/l
RT: 12.329 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

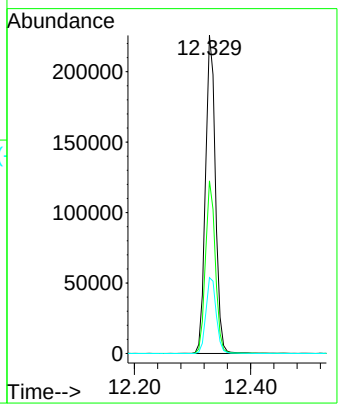
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

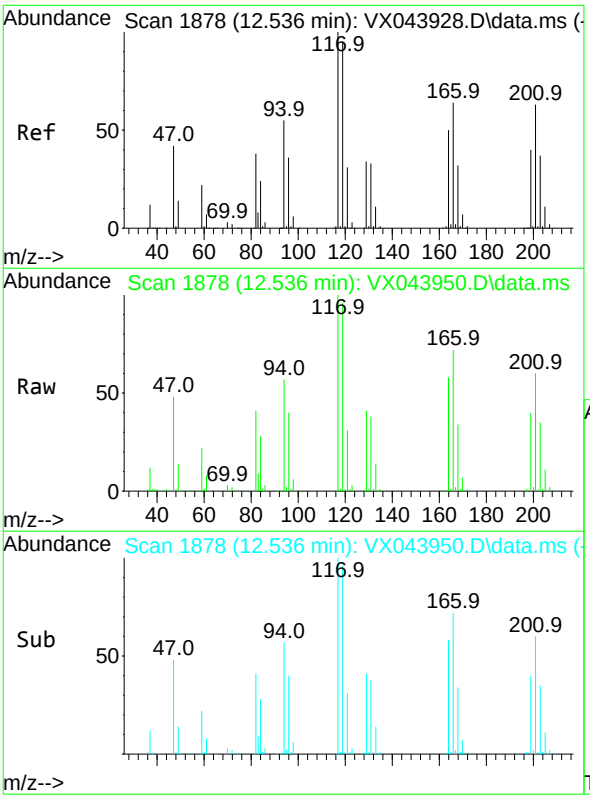
Tgt Ion: 91 Resp: 268422

Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.6	79.8
134	24.8	12.4	37.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

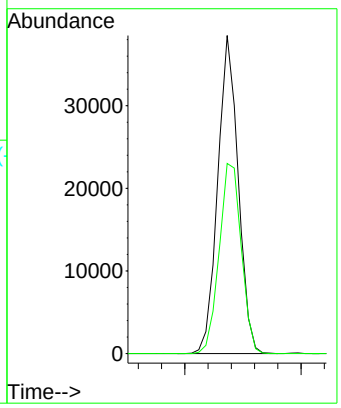


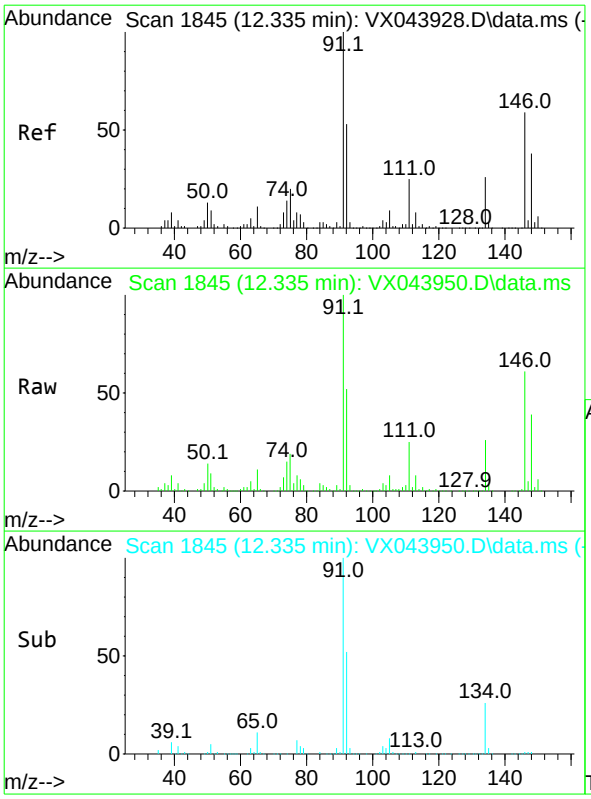


#90
Hexachloroethane
Concen: 50.336 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:117 Resp: 47025

Ion	Ratio	Lower	Upper
117	100		
201	64.6	32.4	97.0





#91
1,2-Dichlorobenzene
Concen: 52.281 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

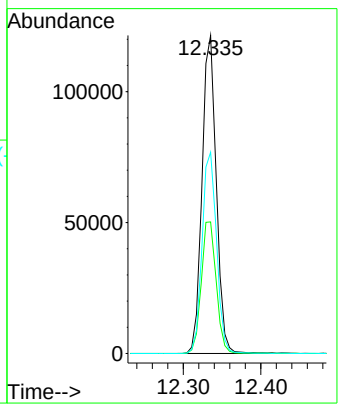
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

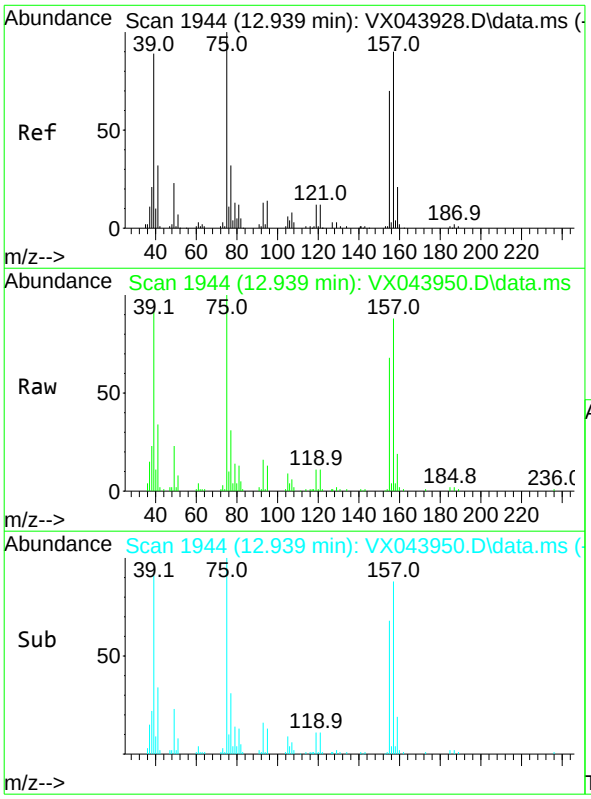
Tgt Ion:146 Resp: 155184

Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.5	64.5
148	64.5	31.9	95.5

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

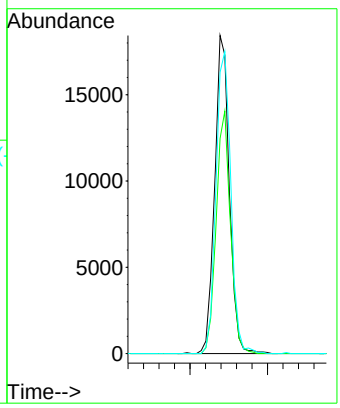


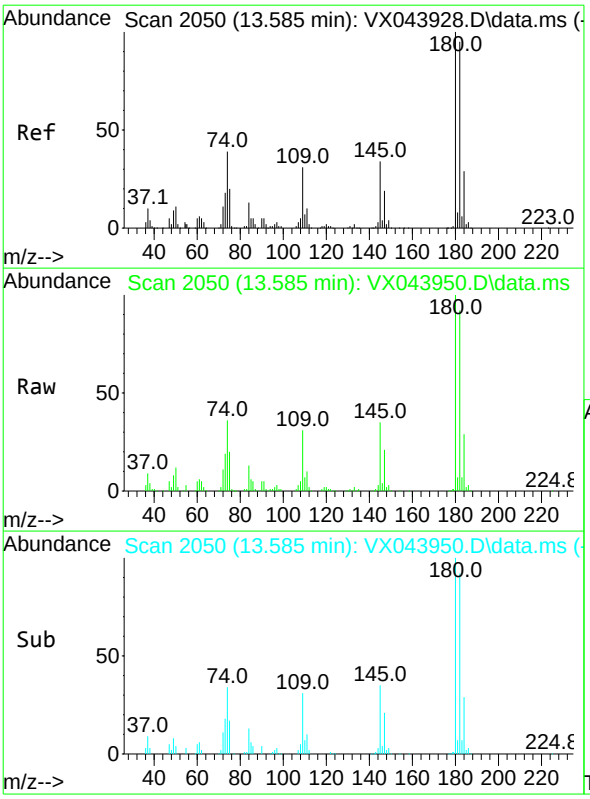


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.076 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 75 Resp: 24188

Ion	Ratio	Lower	Upper
75	100		
155	74.3	40.1	120.2
157	96.2	49.6	149.0





#93
1,2,4-Trichlorobenzene
Concen: 54.252 ug/l
RT: 13.585 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

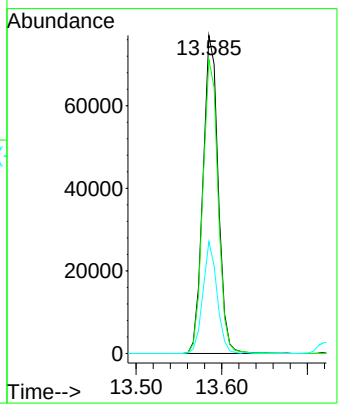
Tgt Ion:180 Resp: 94940

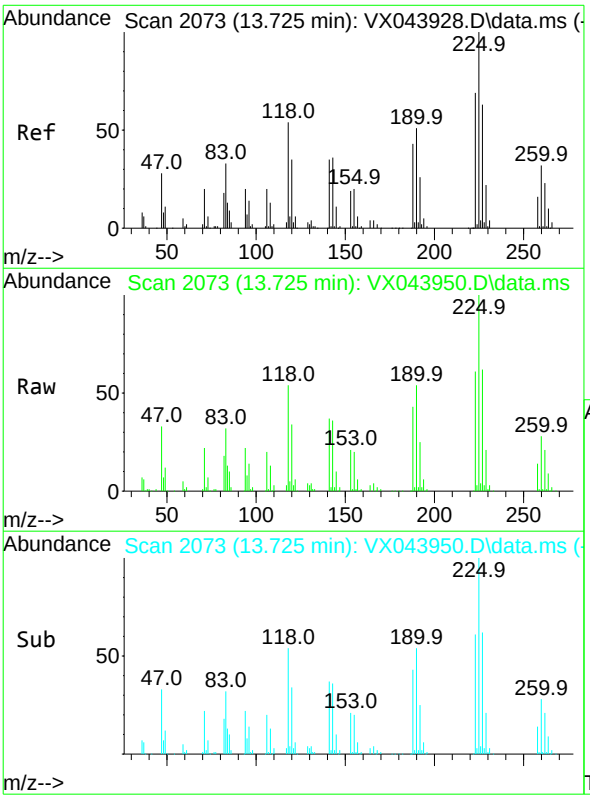
Ion	Ratio	Lower	Upper
180	100		
182	92.6	48.0	144.2
145	32.8	16.8	50.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

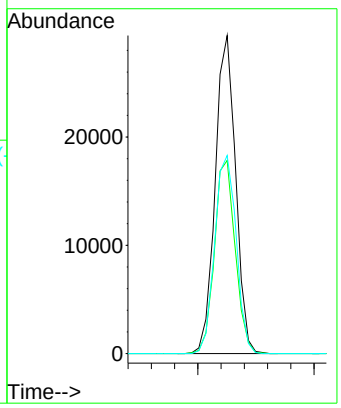


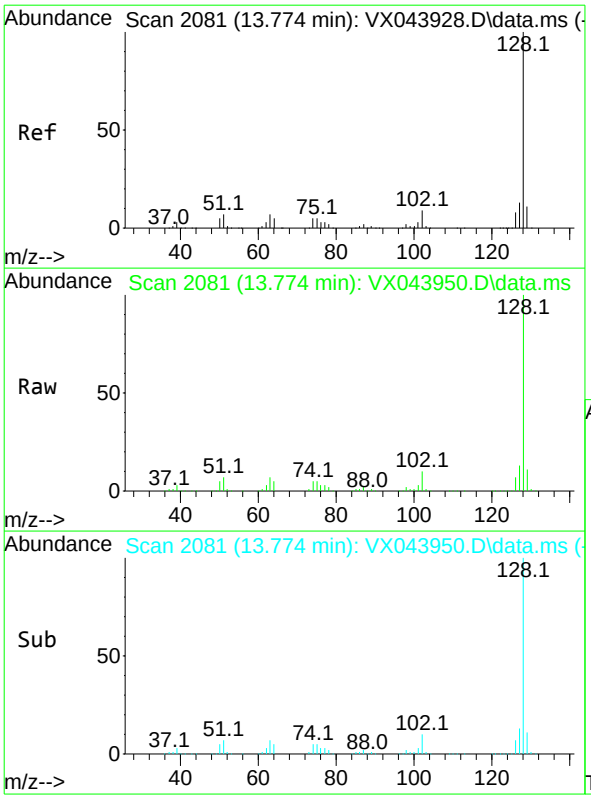


#94
Hexachlorobutadiene
Concen: 51.785 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:225 Resp: 35816

Ion	Ratio	Lower	Upper
225	100		
223	61.7	32.9	98.6
227	65.7	31.6	94.8

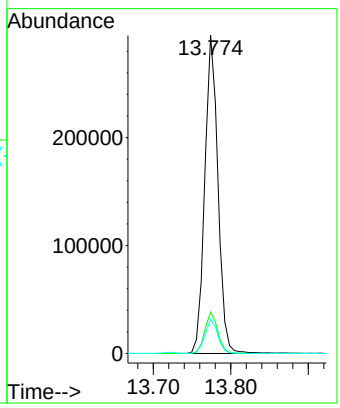




#95
Naphthalene
Concen: 55.215 ug/l
RT: 13.774 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:128 Resp: 347826

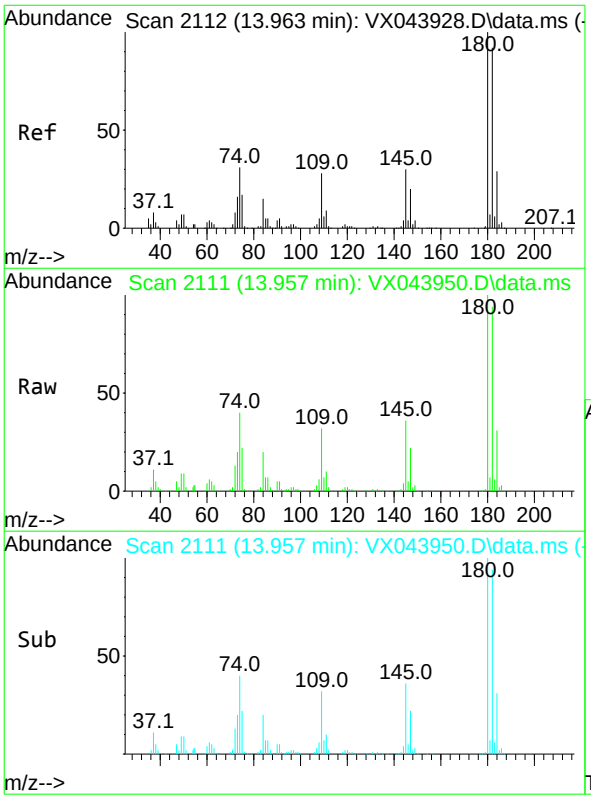
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.6	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

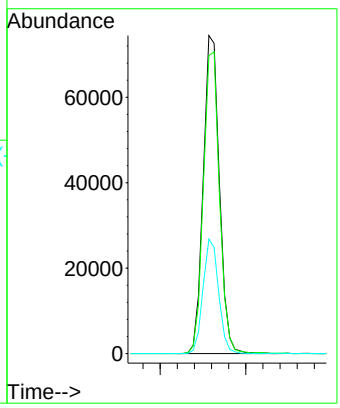
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#96
1,2,3-Trichlorobenzene
Concen: 55.041 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:180 Resp: 97491

Ion	Ratio	Lower	Upper
180	100		
182	94.5	45.6	136.8
145	34.8	16.4	49.4



Sample Results: **VX043950.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043950.D
Acq On : 22 Nov 2024 11:22
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 22 22:17:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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	86	0.00
2	T	Dichlorodifluoromethane	0.633	0.699	-10.4	88	0.00
3	P	Chloromethane	0.667	0.733	-9.9	91	0.00
4	C	Vinyl Chloride	0.709	0.742	-4.7#	84	0.00
5	T	Bromomethane	0.436	0.458	-5.0	89	0.00
6	T	Chloroethane	0.432	0.419	3.0	79	0.00
7	T	Trichlorofluoromethane	1.268	1.478	-16.6	94	0.00
8	T	Diethyl Ether	0.462	0.473	-2.4	86	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.605	0.652	-7.8	86	0.00
10	T	Methyl Iodide	0.755	0.789	-4.5	84	0.00
11	T	Tert butyl alcohol	0.138	0.130	5.8	78	0.00
12	CM	1,1-Dichloroethene	0.576	0.586	-1.7#	84	0.00
13	T	Acrolein	0.145	0.146	-0.7	87	0.00
14	T	Allyl chloride	0.941	1.013	-7.7	84	0.00
15	T	Acrylonitrile	0.335	0.356	-6.3	83	0.00
16	T	Acetone	0.394	0.395	-0.3	80	0.00
17	T	Carbon Disulfide	1.188	1.132	4.7	76	0.00
18	T	Methyl Acetate	0.917	0.947	-3.3	83	0.00
19	T	Methyl tert-butyl Ether	2.092	2.228	-6.5	85	0.00
20	T	Methylene Chloride	0.668	0.684	-2.4	89	0.00
21	T	trans-1,2-Dichloroethene	0.595	0.624	-4.9	85	0.00
22	T	Diisopropyl ether	2.013	2.151	-6.9	86	0.00
23	T	Vinyl Acetate	1.722	1.880	-9.2	84	0.00
24	P	1,1-Dichloroethane	1.161	1.252	-7.8	86	0.00
25	T	2-Butanone	0.508	0.528	-3.9	81	0.00
26	T	2,2-Dichloropropane	1.049	1.090	-3.9	83	0.00
27	T	cis-1,2-Dichloroethene	0.735	0.765	-4.1	84	0.00
28	T	Bromochloromethane	0.511	0.493	3.5	95	0.00
29	T	Tetrahydrofuran	0.312	0.321	-2.9	82	0.00
30	C	Chloroform	1.249	1.325	-6.1#	87	0.00
31	T	Cyclohexane	0.956	1.019	-6.6	85	0.00
32	T	1,1,1-Trichloroethane	1.077	1.175	-9.1	86	0.00
33	S	1,2-Dichloroethane-d4	0.858	0.843	1.7	97	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	87	0.00
35	S	Dibromofluoromethane	0.357	0.359	-0.6	96	0.00
36	T	1,1-Dichloropropene	0.445	0.495	-11.2	87	0.00
37	T	Ethyl Acetate	0.553	0.580	-4.9	83	0.00
38	T	Carbon Tetrachloride	0.500	0.540	-8.0	84	0.00
39	T	Methylcyclohexane	0.578	0.634	-9.7	84	0.00
40	TM	Benzene	1.387	1.498	-8.0	87	0.00
41	T	Methacrylonitrile	0.283	0.293	-3.5	77	0.00
42	TM	1,2-Dichloroethane	0.557	0.607	-9.0	88	0.00
43	T	Isopropyl Acetate	0.880	0.935	-6.3	83	0.00
44	TM	Trichloroethene	0.393	0.368	6.4	86	0.00
45	C	1,2-Dichloropropane	0.340	0.374	-10.0#	88	0.00
46	T	Dibromomethane	0.269	0.290	-7.8	86	0.00
47	T	Bromodichloromethane	0.482	0.527	-9.3	84	0.00
48	T	Methyl methacrylate	0.422	0.443	-5.0	82	0.00

Sample Results: **VX043950.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043950.D
Acq On : 22 Nov 2024 11:22
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 22 22:17:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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	0.008	0.007	12.5	77	0.00
50	S	Toluene-d8	1.232	1.251	-1.5	99	0.00
51	T	4-Methyl-2-Pentanone	0.537	0.578	-7.6	83	0.00
52	CM	Toluene	0.830	0.912	-9.9#	86	0.00
53	T	t-1,3-Dichloropropene	0.491	0.540	-10.0	83	0.00
54	T	cis-1,3-Dichloropropene	0.539	0.582	-8.0	83	0.00
55	T	1,1,2-Trichloroethane	0.343	0.359	-4.7	84	0.00
56	T	Ethyl methacrylate	0.534	0.580	-8.6	82	0.00
57	T	1,3-Dichloropropane	0.577	0.630	-9.2	88	0.00
58	T	2-Chloroethyl Vinyl ether	0.273	0.287	-5.1	81	0.00
59	T	2-Hexanone	0.403	0.435	-7.9	80	0.00
60	T	Dibromochloromethane	0.344	0.370	-7.6	81	0.00
61	T	1,2-Dibromoethane	0.346	0.374	-8.1	85	0.00
62	S	4-Bromofluorobenzene	0.419	0.433	-3.3	97	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	84	0.00
64	T	Tetrachloroethene	0.330	0.358	-8.5	87	0.00
65	PM	Chlorobenzene	1.098	1.156	-5.3	85	0.00
66	T	1,1,1,2-Tetrachloroethane	0.356	0.391	-9.8	83	0.00
67	C	Ethyl Benzene	1.861	2.060	-10.7#	86	0.00
68	T	m/p-Xylenes	0.694	0.769	-10.8	85	0.00
69	T	o-Xylene	0.678	0.748	-10.3	83	0.00
70	T	Styrene	1.121	1.258	-12.2	84	0.00
71	P	Bromoform	0.240	0.263	-9.6	78	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	88	0.00
73	T	Isopropylbenzene	3.843	4.000	-4.1	86	0.00
74	T	N-amyl acetate	1.780	1.851	-4.0	81	0.00
75	P	1,1,2,2-Tetrachloroethane	1.316	1.353	-2.8	85	0.00
76	T	1,2,3-Trichloropropane	1.096	1.138	-3.8	85	0.00
77	T	Bromobenzene	0.917	0.941	-2.6	85	0.00
78	T	n-propylbenzene	4.293	4.616	-7.5	86	0.00
79	T	2-Chlorotoluene	2.714	2.800	-3.2	86	0.00
80	T	1,3,5-Trimethylbenzene	3.162	3.350	-5.9	85	0.00
81	T	trans-1,4-Dichloro-2-butene	0.402	0.390	3.0	77	0.00
82	T	4-Chlorotoluene	3.064	3.199	-4.4	84	0.00
83	T	tert-Butylbenzene	3.134	3.307	-5.5	84	0.00
84	T	1,2,4-Trimethylbenzene	3.148	3.397	-7.9	87	0.00
85	T	sec-Butylbenzene	3.840	4.093	-6.6	85	0.00
86	T	p-Isopropyltoluene	3.119	3.454	-10.7	86	0.00
87	T	1,3-Dichlorobenzene	1.670	1.740	-4.2	87	0.00
88	T	1,4-Dichlorobenzene	1.702	1.754	-3.1	86	0.00
89	T	n-Butylbenzene	2.750	3.048	-10.8	84	0.00
90	T	Hexachloroethane	0.530	0.534	-0.8	80	0.00
91	T	1,2-Dichlorobenzene	1.685	1.762	-4.6	88	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.264	0.275	-4.2	85	0.00
93	T	1,2,4-Trichlorobenzene	0.994	1.078	-8.5	87	0.00
94	T	Hexachlorobutadiene	0.393	0.407	-3.6	87	0.00
95	T	Naphthalene	3.576	3.949	-10.4	87	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043950.D
Acq On : 22 Nov 2024 11:22
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 22 22:17:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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	1.006	1.107	-10.0	87	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VX043950.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043950.D
Acq On : 22 Nov 2024 11:22
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 22 22:17:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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	86	0.00
2	T	Dichlorodifluoromethane	50.000	55.175	-10.3	88	0.00
3	P	Chloromethane	50.000	54.963	-9.9	91	0.00
4	C	Vinyl Chloride	50.000	52.301	-4.6#	84	0.00
5	T	Bromomethane	50.000	52.486	-5.0	89	0.00
6	T	Chloroethane	50.000	48.505	3.0	79	0.00
7	T	Trichlorofluoromethane	50.000	58.296	-16.6	94	0.00
8	T	Diethyl Ether	50.000	51.158	-2.3	86	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	53.892	-7.8	86	0.00
10	T	Methyl Iodide	50.000	52.213	-4.4	84	0.00
11	T	Tert butyl alcohol	250.000	236.901	5.2	78	0.00
12	CM	1,1-Dichloroethene	50.000	50.831	-1.7#	84	0.00
13	T	Acrolein	250.000	251.363	-0.5	87	0.00
14	T	Allyl chloride	50.000	53.777	-7.6	84	0.00
15	T	Acrylonitrile	250.000	265.550	-6.2	83	0.00
16	T	Acetone	250.000	250.770	-0.3	80	0.00
17	T	Carbon Disulfide	50.000	47.616	4.8	76	0.00
18	T	Methyl Acetate	50.000	51.629	-3.3	83	0.00
19	T	Methyl tert-butyl Ether	50.000	53.261	-6.5	85	0.00
20	T	Methylene Chloride	50.000	51.146	-2.3	89	0.00
21	T	trans-1,2-Dichloroethene	50.000	52.461	-4.9	85	0.00
22	T	Diisopropyl ether	50.000	53.416	-6.8	86	0.00
23	T	Vinyl Acetate	250.000	272.921	-9.2	84	0.00
24	P	1,1-Dichloroethane	50.000	53.913	-7.8	86	0.00
25	T	2-Butanone	250.000	259.902	-4.0	81	0.00
26	T	2,2-Dichloropropane	50.000	51.956	-3.9	83	0.00
27	T	cis-1,2-Dichloroethene	50.000	52.023	-4.0	84	0.00
28	T	Bromochloromethane	50.000	48.235	3.5	95	0.00
29	T	Tetrahydrofuran	250.000	257.216	-2.9	82	0.00
30	C	Chloroform	50.000	53.043	-6.1#	87	0.00
31	T	Cyclohexane	50.000	53.324	-6.6	85	0.00
32	T	1,1,1-Trichloroethane	50.000	54.526	-9.1	86	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.135	1.7	97	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	87	0.00
35	S	Dibromofluoromethane	50.000	50.272	-0.5	96	0.00
36	T	1,1-Dichloropropene	50.000	55.562	-11.1	87	0.00
37	T	Ethyl Acetate	50.000	52.440	-4.9	83	0.00
38	T	Carbon Tetrachloride	50.000	53.945	-7.9	84	0.00
39	T	Methylcyclohexane	50.000	54.849	-9.7	84	0.00
40	TM	Benzene	50.000	54.016	-8.0	87	0.00
41	T	Methacrylonitrile	50.000	51.710	-3.4	77	0.00
42	TM	1,2-Dichloroethane	50.000	54.501	-9.0	88	0.00
43	T	Isopropyl Acetate	50.000	53.153	-6.3	83	0.00
44	TM	Trichloroethene	50.000	46.882	6.2	86	0.00
45	C	1,2-Dichloropropane	50.000	55.044	-10.1#	88	0.00
46	T	Dibromomethane	50.000	53.916	-7.8	86	0.00
47	T	Bromodichloromethane	50.000	54.645	-9.3	84	0.00
48	T	Methyl methacrylate	50.000	52.453	-4.9	82	0.00

Sample Results: **VX043950.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043950.D
Acq On : 22 Nov 2024 11:22
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 22 22:17:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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	956.809	4.3	77	0.00
50	S	Toluene-d8	50.000	50.769	-1.5	99	0.00
51	T	4-Methyl-2-Pentanone	250.000	269.433	-7.8	83	0.00
52	CM	Toluene	50.000	54.965	-9.9#	86	0.00
53	T	t-1,3-Dichloropropene	50.000	54.971	-9.9	83	0.00
54	T	cis-1,3-Dichloropropene	50.000	54.052	-8.1	83	0.00
55	T	1,1,2-Trichloroethane	50.000	52.387	-4.8	84	0.00
56	T	Ethyl methacrylate	50.000	54.352	-8.7	82	0.00
57	T	1,3-Dichloropropane	50.000	54.563	-9.1	88	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	244.819	2.1	81	0.00
59	T	2-Hexanone	250.000	269.358	-7.7	80	0.00
60	T	Dibromochloromethane	50.000	53.853	-7.7	81	0.00
61	T	1,2-Dibromoethane	50.000	54.040	-8.1	85	0.00
62	S	4-Bromofluorobenzene	50.000	51.686	-3.4	97	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	84	0.00
64	T	Tetrachloroethene	50.000	54.365	-8.7	87	0.00
65	PM	Chlorobenzene	50.000	52.640	-5.3	85	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	54.854	-9.7	83	0.00
67	C	Ethyl Benzene	50.000	55.362	-10.7#	86	0.00
68	T	m/p-Xylenes	100.000	110.758	-10.8	85	0.00
69	T	o-Xylene	50.000	55.187	-10.4	83	0.00
70	T	Styrene	50.000	56.140	-12.3	84	0.00
71	P	Bromoform	50.000	48.773	2.5	78	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	88	0.00
73	T	Isopropylbenzene	50.000	52.039	-4.1	86	0.00
74	T	N-amyl acetate	50.000	51.973	-3.9	81	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	51.403	-2.8	85	0.00
76	T	1,2,3-Trichloropropane	50.000	51.893	-3.8	85	0.00
77	T	Bromobenzene	50.000	51.338	-2.7	85	0.00
78	T	n-propylbenzene	50.000	53.765	-7.5	86	0.00
79	T	2-Chlorotoluene	50.000	51.573	-3.1	86	0.00
80	T	1,3,5-Trimethylbenzene	50.000	52.968	-5.9	85	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	48.492	3.0	77	0.00
82	T	4-Chlorotoluene	50.000	52.200	-4.4	84	0.00
83	T	tert-Butylbenzene	50.000	52.754	-5.5	84	0.00
84	T	1,2,4-Trimethylbenzene	50.000	53.956	-7.9	87	0.00
85	T	sec-Butylbenzene	50.000	53.293	-6.6	85	0.00
86	T	p-Isopropyltoluene	50.000	55.361	-10.7	86	0.00
87	T	1,3-Dichlorobenzene	50.000	52.089	-4.2	87	0.00
88	T	1,4-Dichlorobenzene	50.000	51.511	-3.0	86	0.00
89	T	n-Butylbenzene	50.000	55.414	-10.8	84	0.00
90	T	Hexachloroethane	50.000	50.336	-0.7	80	0.00
91	T	1,2-Dichlorobenzene	50.000	52.281	-4.6	88	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	52.076	-4.2	85	0.00
93	T	1,2,4-Trichlorobenzene	50.000	54.252	-8.5	87	0.00
94	T	Hexachlorobutadiene	50.000	51.785	-3.6	87	0.00
95	T	Naphthalene	50.000	55.215	-10.4	87	0.00

Sample Results: **VX043950.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043950.D
Acq On : 22 Nov 2024 11:22
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 22 22:17:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	55.041	-10.1	87	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VX043975.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4846 SAS No.: P4846 SDG No.: P4846

Instrument ID: MSVOA_X Calibration Date/Time: 11/22/2024 21:05

Lab File ID: VX043975.D Init. Calib. Date(s): 11/21/2024 11/21/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:47 12:03

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.633	0.553		-12.64	50
Chloromethane	0.667	0.604	0.1	-9.44	50
Vinyl Chloride	0.709	0.633		-10.72	50
Bromomethane	0.436	0.468		7.34	50
Chloroethane	0.432	0.412		-4.63	50
Trichlorofluoromethane	1.268	1.357		7.02	50
1,1,2-Trichlorotrifluoroethane	0.605	0.544		-10.08	50
1,1-Dichloroethene	0.576	0.528		-8.33	50
Acetone	0.394	0.292		-25.89	50
Carbon Disulfide	1.188	1.034		-12.96	50
Methyl tert-butyl Ether	2.092	2.090		-0.1	50
Methyl Acetate	0.917	0.846		-7.74	50
Methylene Chloride	0.668	0.624		-6.59	50
trans-1,2-Dichloroethene	0.595	0.569		-4.37	50
1,1-Dichloroethane	1.161	1.155	0.1	-0.52	50
Cyclohexane	0.956	0.884		-7.53	50
2-Butanone	0.508	0.453		-10.83	50
Carbon Tetrachloride	0.500	0.488		-2.4	50
cis-1,2-Dichloroethene	0.735	0.728		-0.95	50
Bromochloromethane	0.511	0.513		0.39	50
Chloroform	1.249	1.246		-0.24	50
1,1,1-Trichloroethane	1.077	1.102		2.32	50
Methylcyclohexane	0.578	0.512		-11.42	50
Benzene	1.387	1.324		-4.54	50
1,2-Dichloroethane	0.557	0.541		-2.87	50
Trichloroethene	0.393	0.317		-19.34	50
1,2-Dichloropropane	0.340	0.329		-3.23	50
Bromodichloromethane	0.482	0.474		-1.66	50
4-Methyl-2-Pentanone	0.537	0.509		-5.21	50
Toluene	0.830	0.802		-3.37	50
t-1,3-Dichloropropene	0.491	0.480		-2.24	50
cis-1,3-Dichloropropene	0.539	0.525		-2.6	50
1,1,2-Trichloroethane	0.343	0.324		-5.54	50
2-Hexanone	0.403	0.376		-6.7	50
Dibromochloromethane	0.344	0.327		-4.94	50
1,2-Dibromoethane	0.346	0.340		-1.73	50
Tetrachloroethene	0.330	0.305		-7.58	50
Chlorobenzene	1.098	1.047	0.3	-4.64	50

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

Raw Data: **VX043975.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4846 SAS No.: P4846 SDG No.: P4846

Instrument ID: MSVOA_X Calibration Date/Time: 11/22/2024 21:05

Lab File ID: VX043975.D Init. Calib. Date(s): 11/21/2024 11/21/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:47 12:03

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.861	1.812		-2.63	50
m/p-Xylenes	0.694	0.689		-0.72	50
o-Xylene	0.678	0.676		-0.29	50
Styrene	1.121	1.146		2.23	50
Bromoform	0.240	0.239	0.1	-0.42	50
Isopropylbenzene	3.843	3.785		-1.51	50
1,1,2,2-Tetrachloroethane	1.316	1.298	0.3	-1.37	50
1,3-Dichlorobenzene	1.670	1.571		-5.93	50
1,4-Dichlorobenzene	1.702	1.595		-6.29	50
1,2-Dichlorobenzene	1.685	1.612		-4.33	50
1,2-Dibromo-3-Chloropropane	0.264	0.249		-5.68	50
1,2,4-Trichlorobenzene	0.994	0.936		-5.84	50
1,2,3-Trichlorobenzene	1.006	1.011		0.5	50
1,2-Dichloroethane-d4	0.858	0.889		3.61	50
Dibromofluoromethane	0.357	0.358		0.28	50
Toluene-d8	1.232	1.216		-1.3	50
4-Bromofluorobenzene	0.419	0.417		-0.48	50

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\VX112224\
Data File : VX043975.D
Acq On : 22 Nov 2024 21:05
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 22 22:32:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	122980	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	223634	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	188299	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	86425	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	109385	51.858	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.720%			
35) Dibromofluoromethane	5.379	113	80080	50.113	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.220%			
50) Toluene-d8	8.647	98	272032	49.385	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.780%			
62) 4-Bromofluorobenzene	11.079	95	93160	49.694	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.380%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	68061	43.686	ug/l	100
3) Chloromethane	1.295	50	74224	45.274	ug/l	97
4) Vinyl Chloride	1.374	62	77794	44.612	ug/l	96
5) Bromomethane	1.593	94	57584	53.679	ug/l	100
6) Chloroethane	1.666	64	50694	47.709	ug/l	100
7) Trichlorofluoromethane	1.868	101	166881	53.528	ug/l	99
8) Diethyl Ether	2.136	74	52774	46.443	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	66870	44.966	ug/l	98
10) Methyl Iodide	2.447	142	87758	47.250	ug/l	97
11) Tert butyl alcohol	3.002	59	72806	215.043	ug/l	98
12) 1,1-Dichloroethene	2.307	96	64902	45.800	ug/l	96
13) Acrolein	2.233	56	77602	217.457	ug/l	97
14) Allyl chloride	2.654	41	113282	48.923	ug/l	98
15) Acrylonitrile	3.069	53	194254	235.443	ug/l	98
16) Acetone	2.386	43	179850	185.644	ug/l	100
17) Carbon Disulfide	2.502	76	127176	43.508	ug/l	98
18) Methyl Acetate	2.703	43	104004	46.099	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	257085	49.964	ug/l	98
20) Methylene Chloride	2.782	84	76764	46.692	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	70023	47.861	ug/l	98
22) Diisopropyl ether	3.758	45	248613	50.212	ug/l	92
23) Vinyl Acetate	3.721	43	1083211	255.744	ug/l	99
24) 1,1-Dichloroethane	3.605	63	142098	49.748	ug/l	100
25) 2-Butanone	4.562	43	278537	222.822	ug/l	100
26) 2,2-Dichloropropane	4.471	77	117521	45.557	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	89489	49.483	ug/l	99
28) Bromochloromethane	4.891	49	63042	50.141	ug/l	98
29) Tetrahydrofuran	5.007	42	175631	229.176	ug/l	99
30) Chloroform	5.087	83	153240	49.881	ug/l	98
31) Cyclohexane	5.458	56	108654	46.218	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	135463	51.132	ug/l	99
36) 1,1-Dichloropropene	5.684	75	96384	48.403	ug/l	99
37) Ethyl Acetate	4.715	43	111838	45.245	ug/l	99
38) Carbon Tetrachloride	5.672	117	109113	48.766	ug/l	99
39) Methylcyclohexane	7.373	83	114556	44.283	ug/l	97
40) Benzene	6.032	78	296066	47.732	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043975.D
Acq On : 22 Nov 2024 21:05
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 22 22:32:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.928	41	58876	46.538 ug/l	95
42) 1,2-Dichloroethane	6.080	62	120886	48.527 ug/l	100
43) Isopropyl Acetate	6.342	43	188827	48.002 ug/l	100
44) Trichloroethene	7.123	130	70858	40.354 ug/l	93
45) 1,2-Dichloropropane	7.422	63	73488	48.373 ug/l	100
46) Dibromomethane	7.580	93	57212	47.608 ug/l	100
47) Bromodichloromethane	7.818	83	106111	49.233 ug/l	99
48) Methyl methacrylate	7.690	41	86803	45.987 ug/l	99
49) 1,4-Dioxane	7.665	88	23838	708.970 ug/l #	77
51) 4-Methyl-2-Pentanone	8.574	43	569005	237.028 ug/l	99
52) Toluene	8.714	92	179366	48.314 ug/l	98
53) t-1,3-Dichloropropene	8.976	75	107403	48.867 ug/l	97
54) cis-1,3-Dichloropropene	8.360	75	117473	48.756 ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	72401	47.244 ug/l	95
56) Ethyl methacrylate	9.116	69	118682	49.720 ug/l	99
57) 1,3-Dichloropropane	9.305	76	123967	48.020 ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	279741	213.469 ug/l	99
59) 2-Hexanone	9.433	43	420948	233.298 ug/l	100
60) Dibromochloromethane	9.519	129	73109	47.547 ug/l	96
61) 1,2-Dibromoethane	9.610	107	76113	49.118 ug/l	98
64) Tetrachloroethene	9.269	164	57495	46.307 ug/l	93
65) Chlorobenzene	10.080	112	197185	47.680 ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	66254	49.398 ug/l	99
67) Ethyl Benzene	10.189	91	341272	48.699 ug/l	98
68) m/p-Xylenes	10.299	106	259471	99.287 ug/l	99
69) o-Xylene	10.640	106	127383	49.924 ug/l	96
70) Styrene	10.653	104	215795	51.134 ug/l	98
71) Bromoform	10.799	173	45026	44.579 ug/l #	99
73) Isopropylbenzene	10.957	105	327150	49.244 ug/l	100
74) N-amyl acetate	10.842	43	158903	51.633 ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.214	83	112173	49.312 ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	94567m	49.896 ug/l	
77) Bromobenzene	11.195	156	76053	47.990 ug/l	97
78) n-propylbenzene	11.305	91	379686	51.172 ug/l	99
79) 2-Chlorotoluene	11.360	91	231439	49.328 ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	277669	50.803 ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	30621	44.087 ug/l	95
82) 4-Chlorotoluene	11.451	91	265745	50.170 ug/l	100
83) tert-Butylbenzene	11.713	119	275078	50.777 ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	274500	50.446 ug/l	99
85) sec-Butylbenzene	11.890	105	325633	49.060 ug/l	99
86) p-Isopropyltoluene	12.006	119	271259	50.312 ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	135787	47.044 ug/l	99
88) 1,4-Dichlorobenzene	12.037	146	137836	46.839 ug/l	97
89) n-Butylbenzene	12.329	91	240255	50.543 ug/l	99
90) Hexachloroethane	12.536	117	44170	48.179 ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	139290	47.819 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	21512	47.196 ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	80863	47.087 ug/l	100
94) Hexachlorobutadiene	13.725	225	29838	43.962 ug/l	99
95) Naphthalene	13.774	128	311837	50.444 ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	87371	50.266 ug/l	97

Sample Results: **VX043975.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043975.D
Acq On : 22 Nov 2024 21:05
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 22 22:32:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

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

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

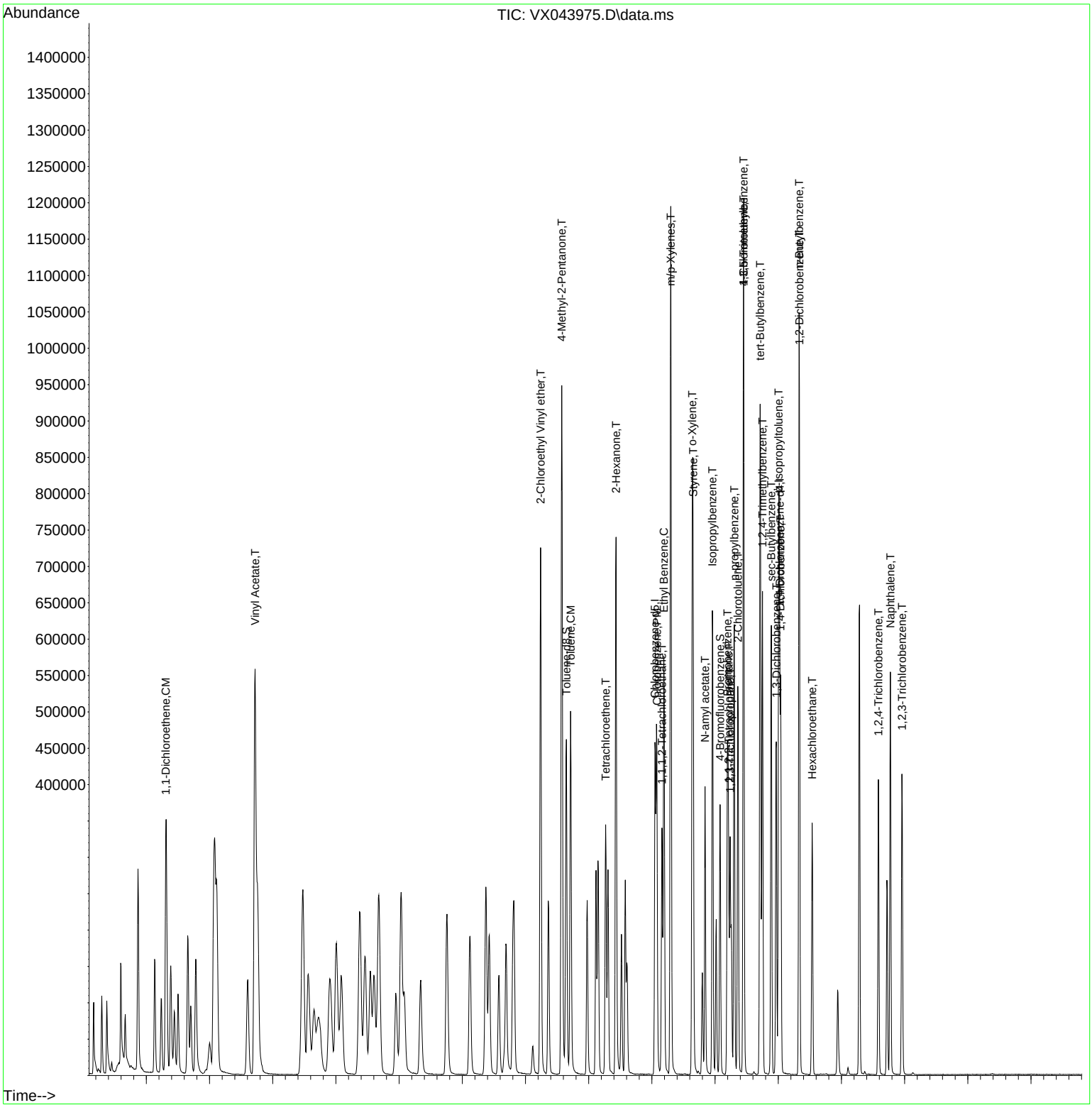
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Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

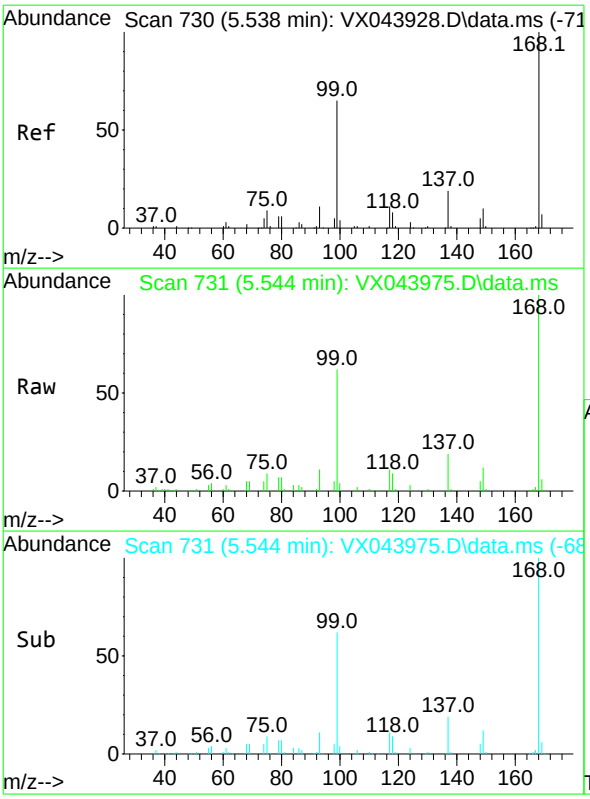
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
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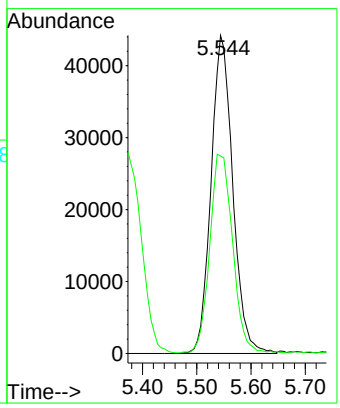




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:168 Resp: 122980

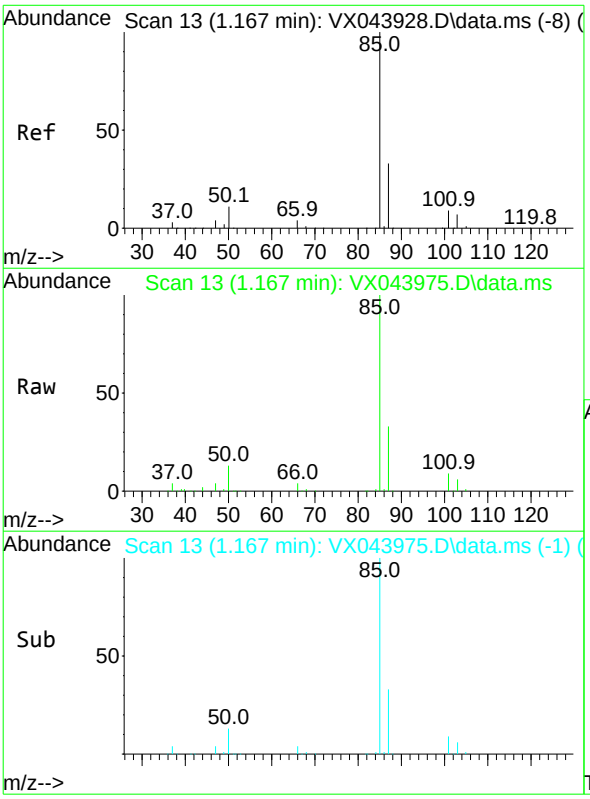
Ion	Ratio	Lower	Upper
168	100		
99	61.9	51.8	77.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

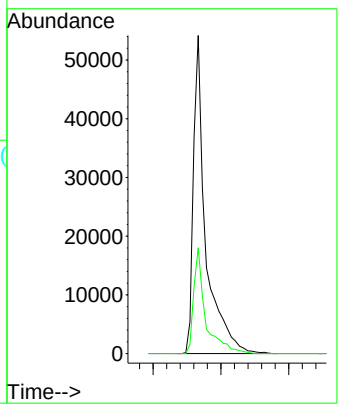
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

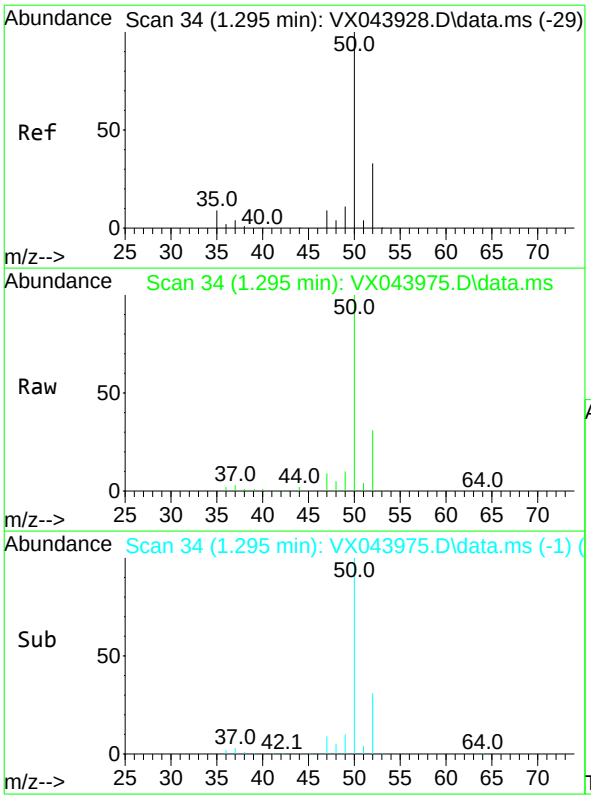


#2
Dichlorodifluoromethane
Concen: 43.686 ug/l
RT: 1.167 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 85 Resp: 68061

Ion	Ratio	Lower	Upper
85	100		
87	33.3	16.6	49.8

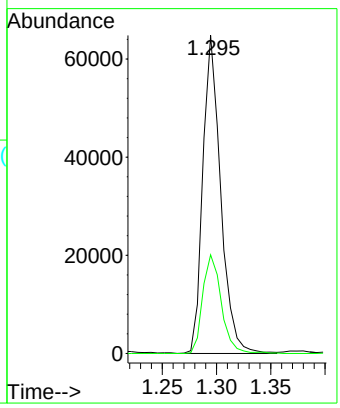




#3
Chloromethane
Concen: 45.274 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 50 Resp: 74224

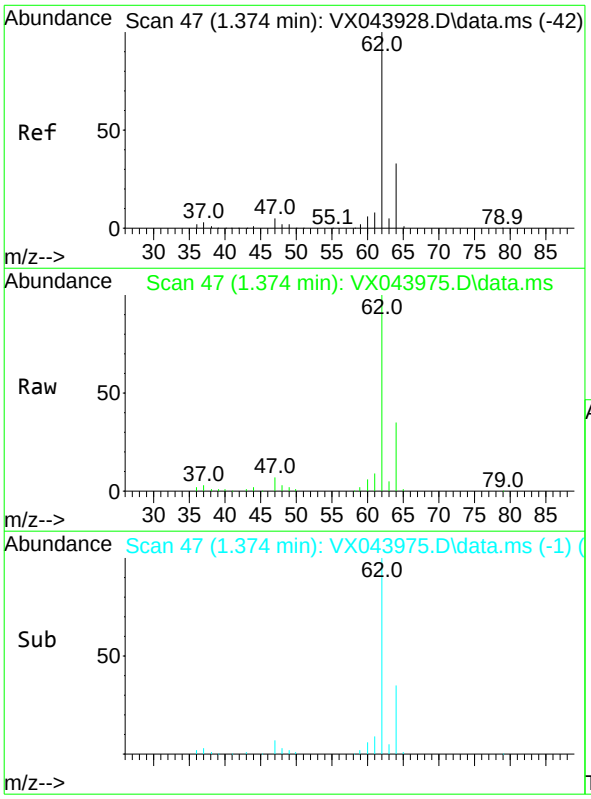
Ion	Ratio	Lower	Upper
50	100		
52	31.0	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

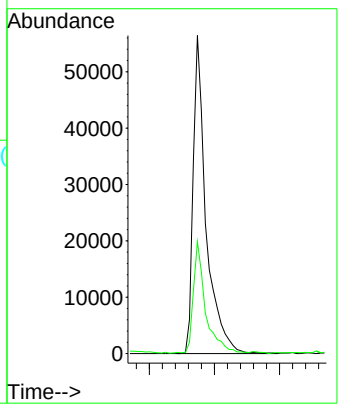
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

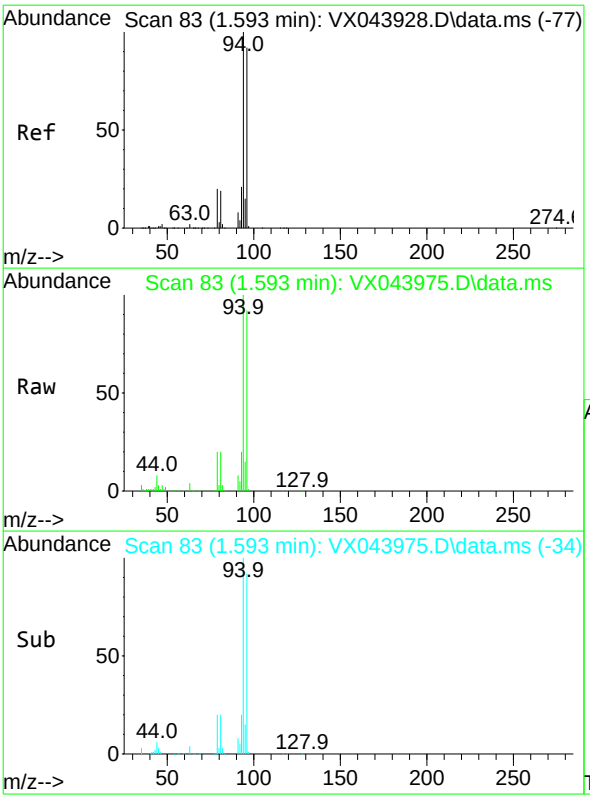


#4
Vinyl Chloride
Concen: 44.612 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 62 Resp: 77794

Ion	Ratio	Lower	Upper
62	100		
64	34.8	26.2	39.4

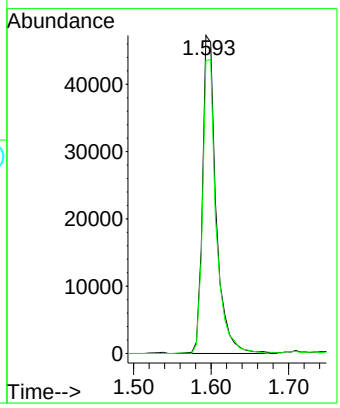




#5
Bromomethane
Concen: 53.679 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 94 Resp: 57584

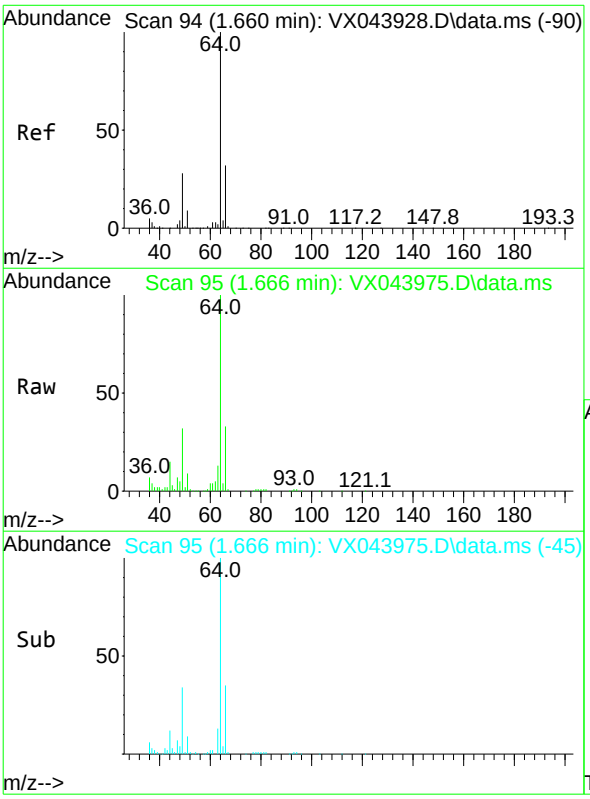
Ion	Ratio	Lower	Upper
94	100		
96	91.9	73.9	110.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

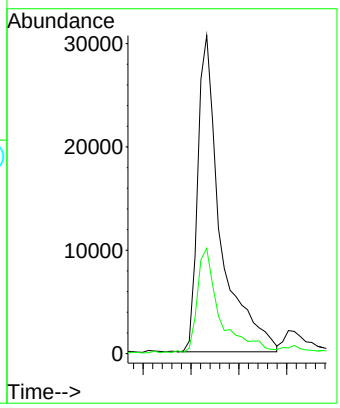
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

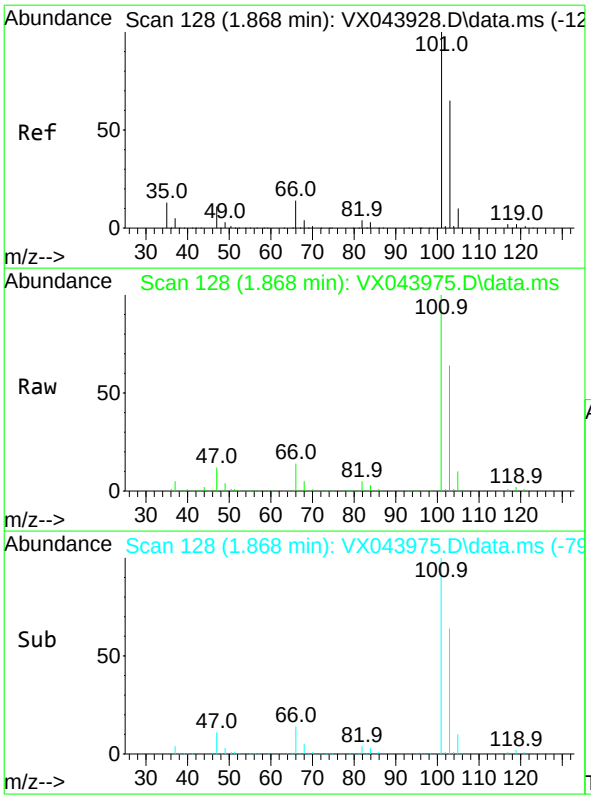


#6
Chloroethane
Concen: 47.709 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 64 Resp: 50694

Ion	Ratio	Lower	Upper
64	100		
66	32.4	25.9	38.9

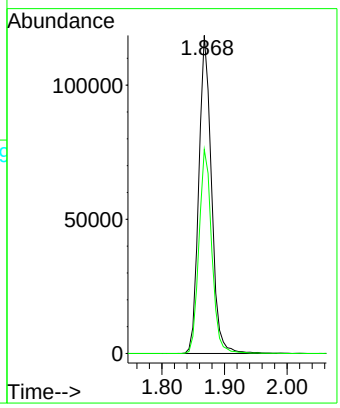




#7
Trichlorofluoromethane
Concen: 53.528 ug/l
RT: 1.868 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:101 Resp: 166881

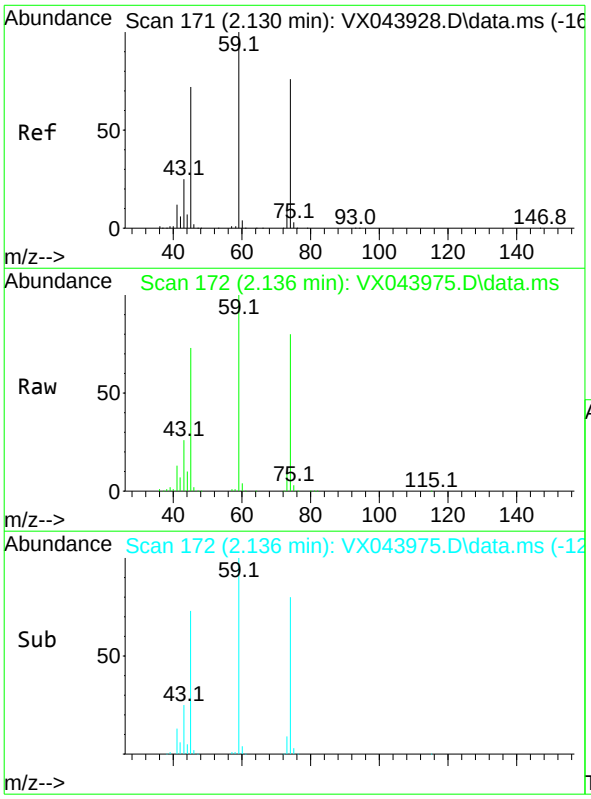
Ion	Ratio	Lower	Upper
101	100		
103	64.1	52.2	78.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

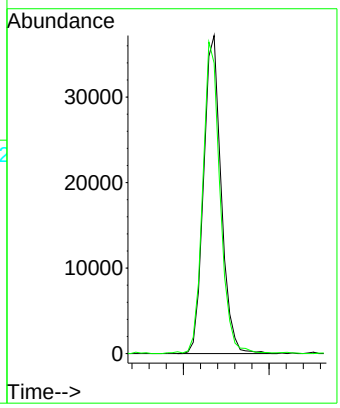
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

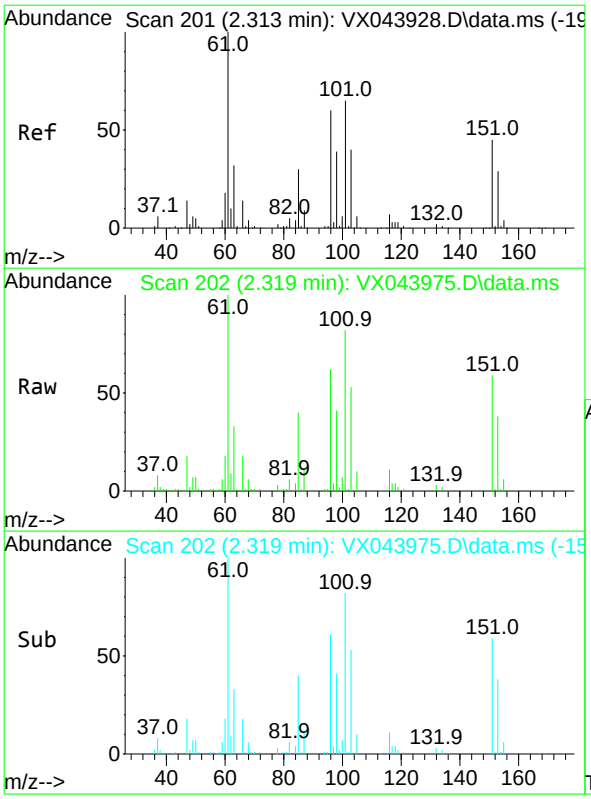


#8
Diethyl Ether
Concen: 46.443 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 74 Resp: 52774

Ion	Ratio	Lower	Upper
74	100		
45	97.1	47.9	143.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 44.966 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

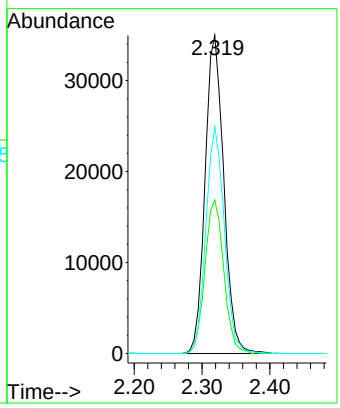
Instrument :
MSVOA_X
ClientSampleId :
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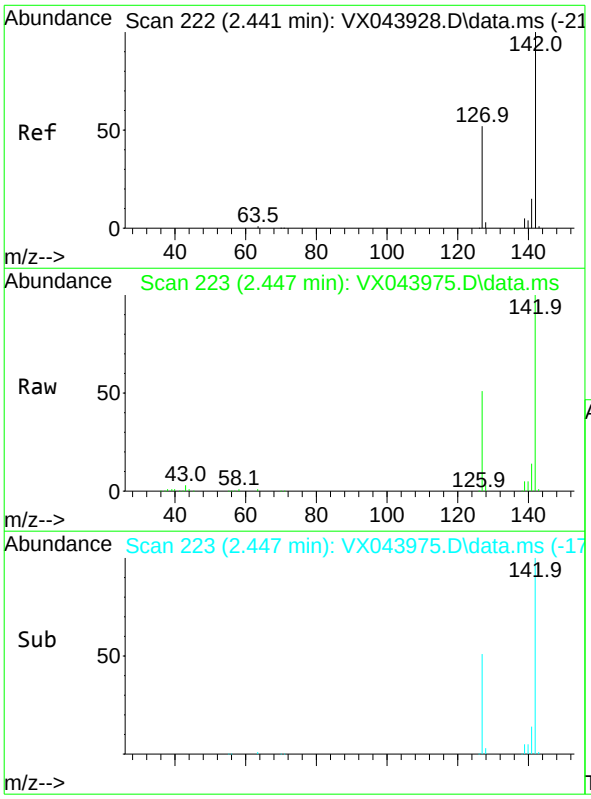
Tgt Ion:101 Resp: 66870

Ion	Ratio	Lower	Upper
101	100		
85	48.8	37.9	56.9
151	70.6	57.5	86.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

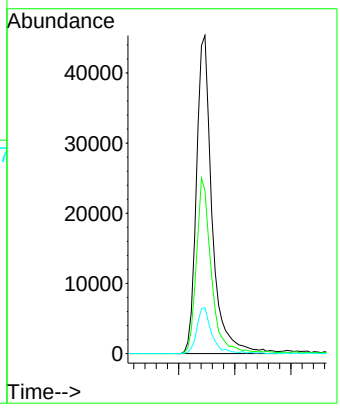


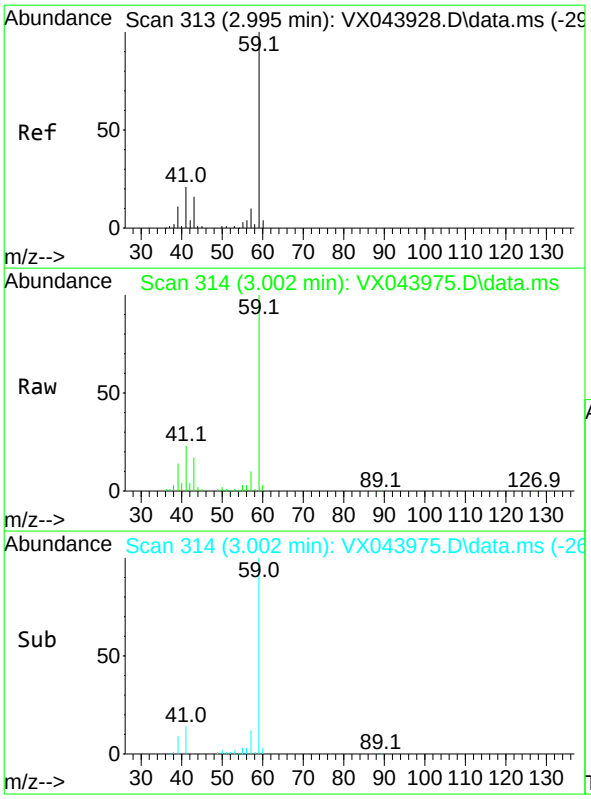


#10
Methyl Iodide
Concen: 47.250 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:142 Resp: 87758

Ion	Ratio	Lower	Upper
142	100		
127	53.0	40.7	61.1
141	13.6	12.0	18.0

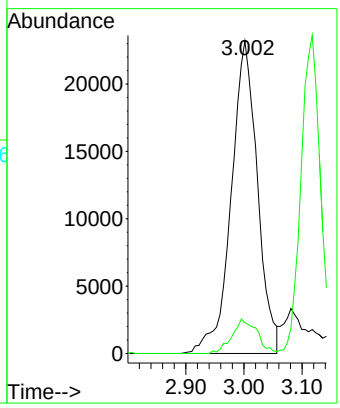




#11
Tert butyl alcohol
Concen: 215.043 ug/l
RT: 3.002 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 59 Resp: 72806

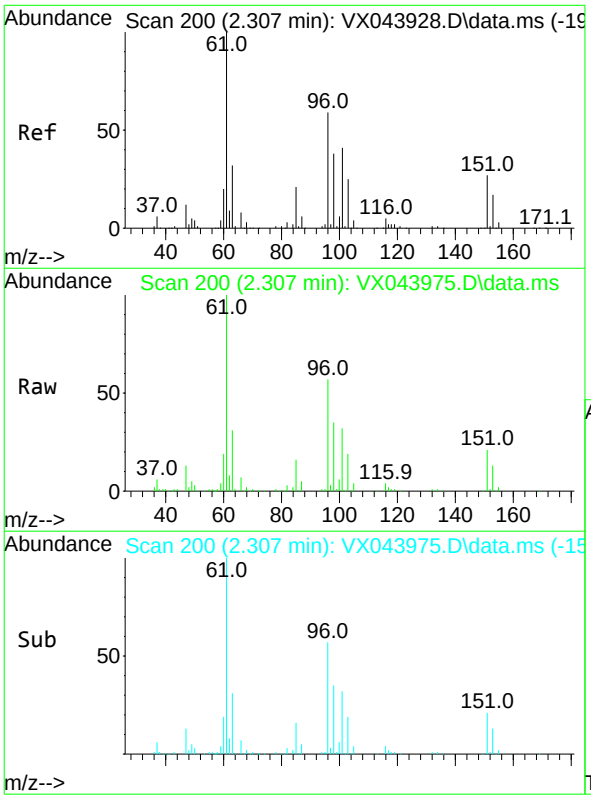
Ion	Ratio	Lower	Upper
59	100		
57	10.5	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

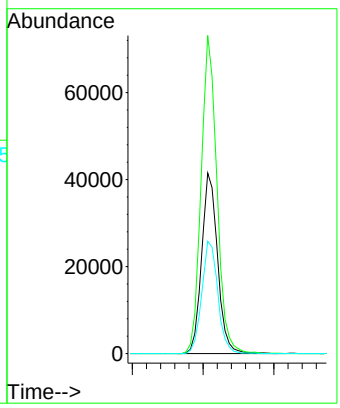
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

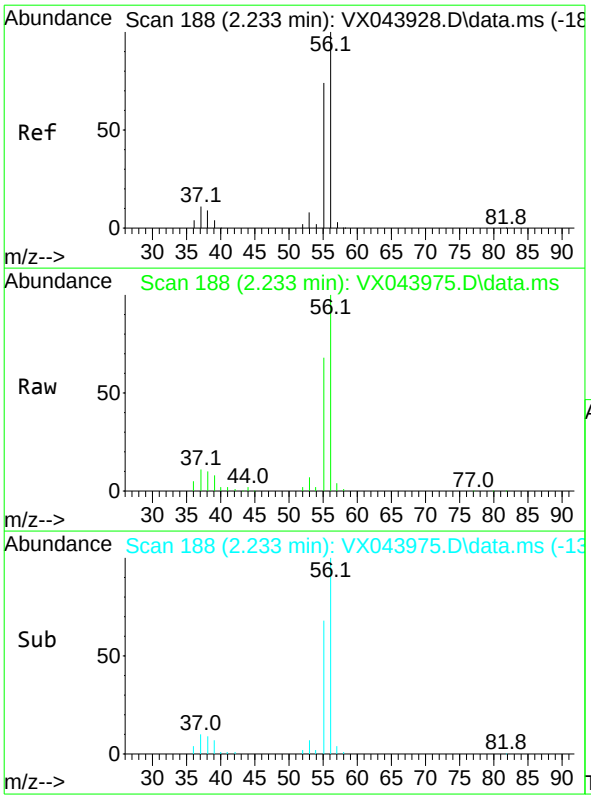


#12
1,1-Dichloroethene
Concen: 45.800 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 96 Resp: 64902

Ion	Ratio	Lower	Upper
96	100		
61	176.1	135.5	203.3
98	62.2	50.8	76.2

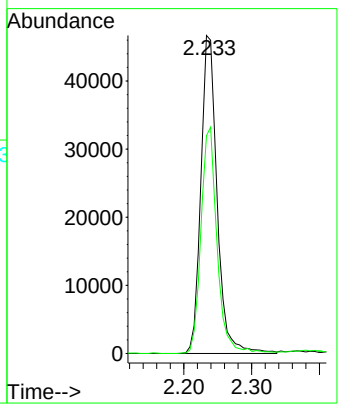




#13
Acrolein
Concen: 217.457 ug/l
RT: 2.233 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 56 Resp: 77602

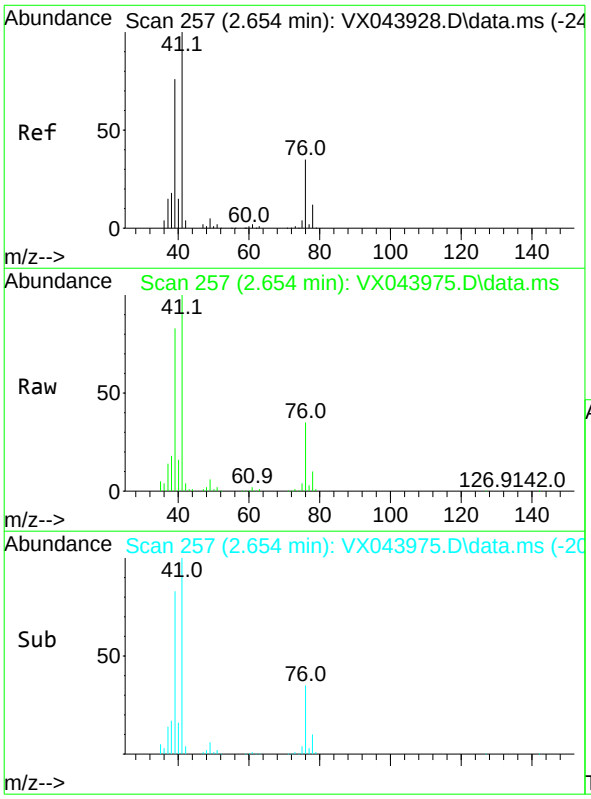
Ion	Ratio	Lower	Upper
56	100		
55	70.5	58.2	87.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

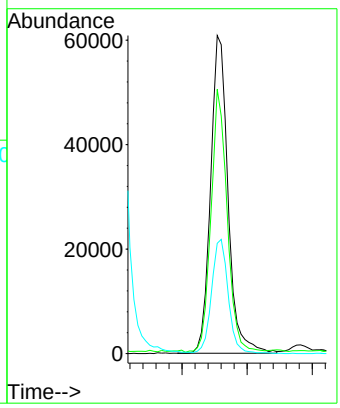
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

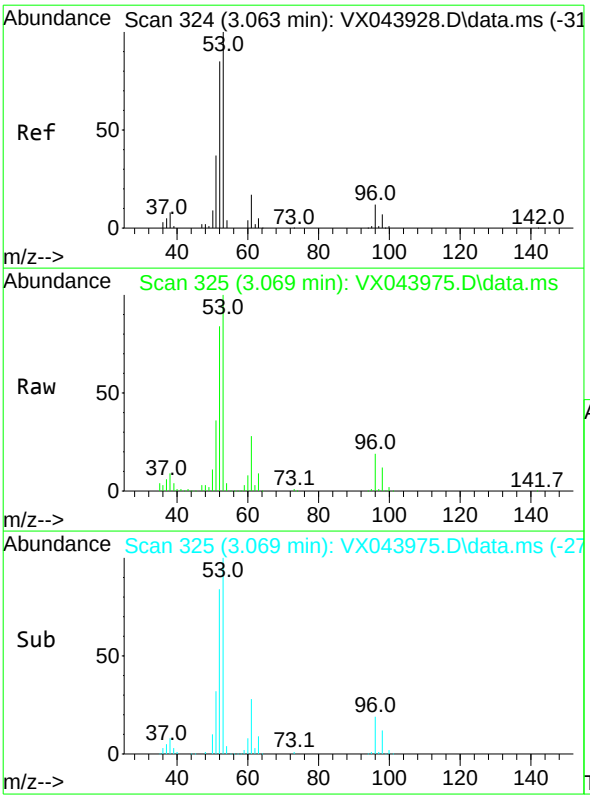


#14
Allyl chloride
Concen: 48.923 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 41 Resp: 113282

Ion	Ratio	Lower	Upper
41	100		
39	76.8	59.5	89.3
76	34.4	27.4	41.2

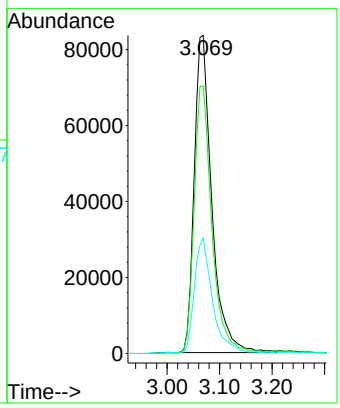




#15
Acrylonitrile
Concen: 235.443 ug/l
RT: 3.069 min Scan# 32
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 53 Resp: 194254

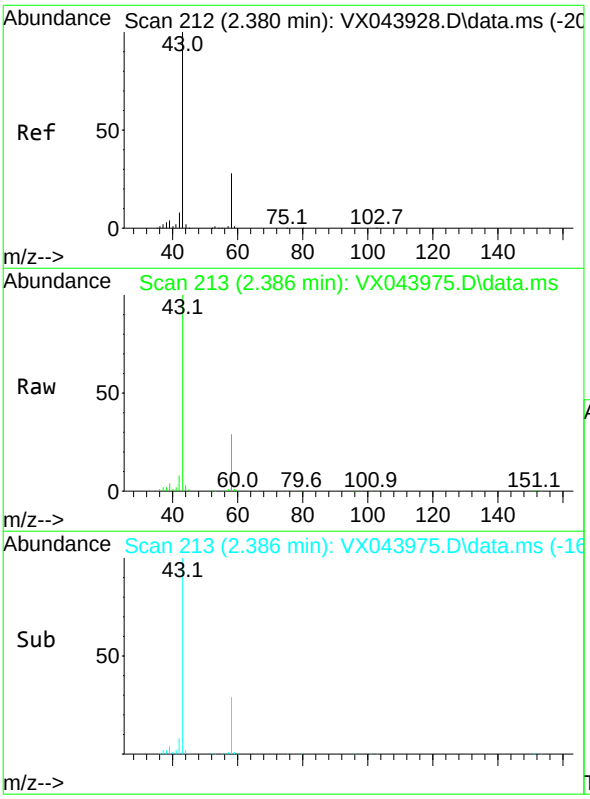
Ion	Ratio	Lower	Upper
53	100		
52	85.2	66.5	99.7
51	36.6	30.2	45.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

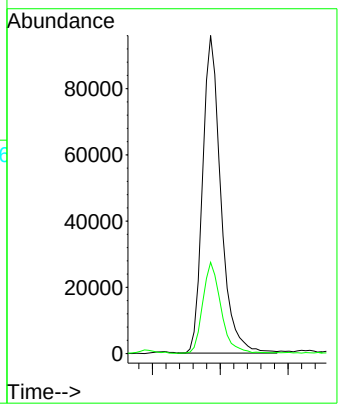
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

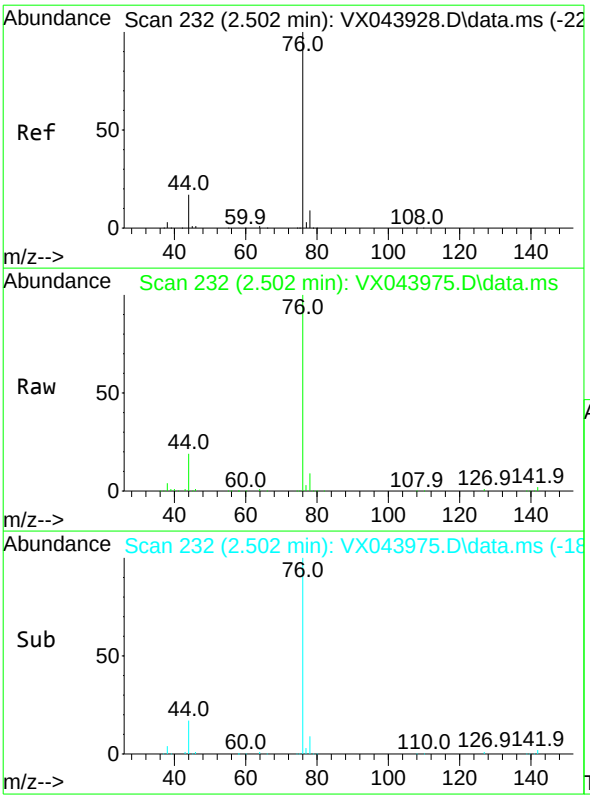


#16
Acetone
Concen: 185.644 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 43 Resp: 179850

Ion	Ratio	Lower	Upper
43	100		
58	28.6	22.7	34.1





#17
Carbon Disulfide
Concen: 43.508 ug/l
RT: 2.502 min Scan# 23
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

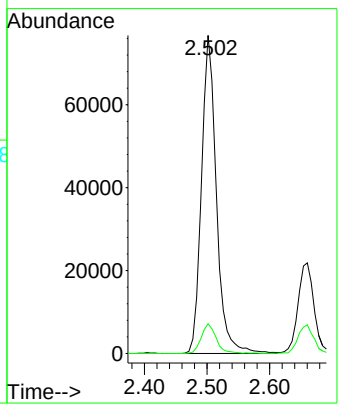
Tgt Ion: 76 Resp: 127176

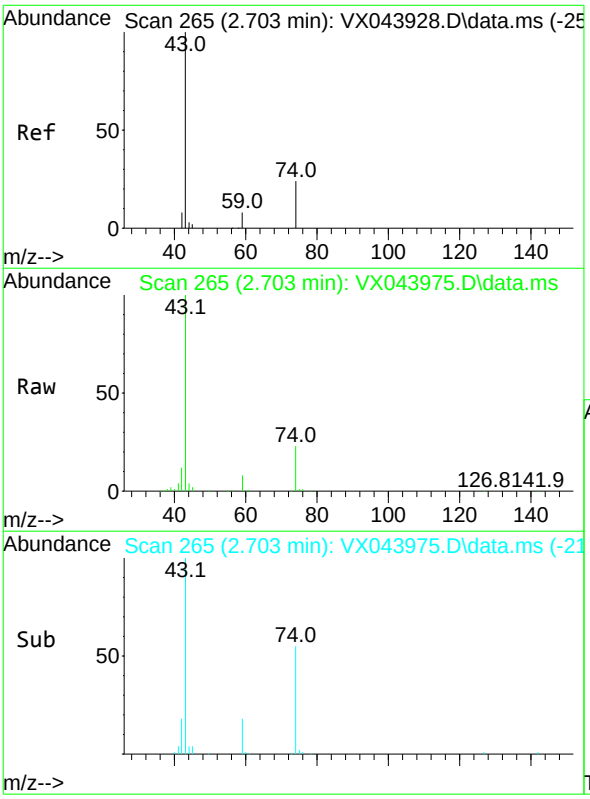
Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.0	10.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

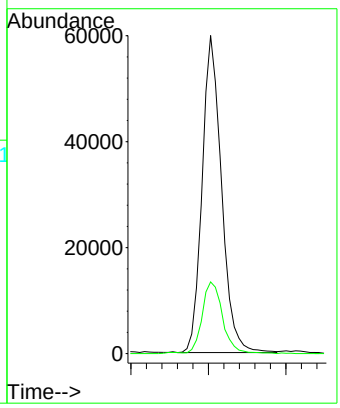


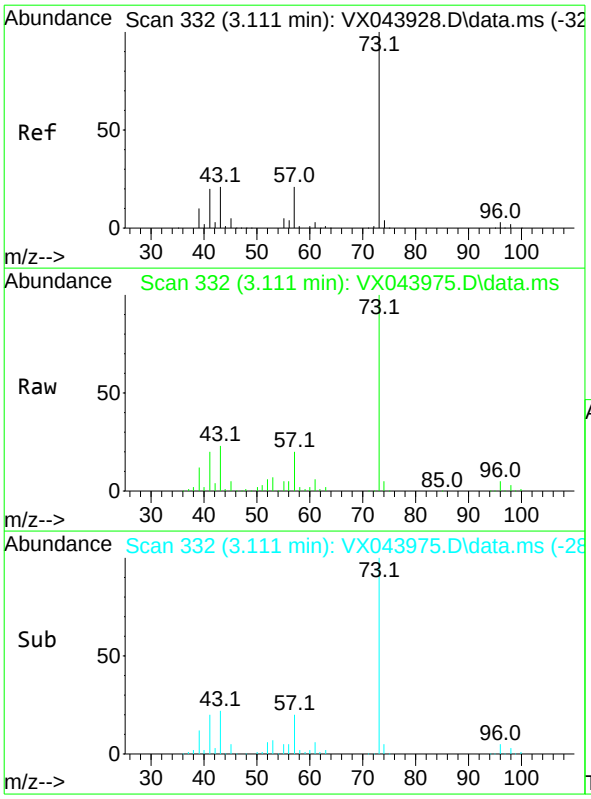


#18
Methyl Acetate
Concen: 46.099 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 43 Resp: 104004

Ion	Ratio	Lower	Upper
43	100		
74	23.7	18.9	28.3

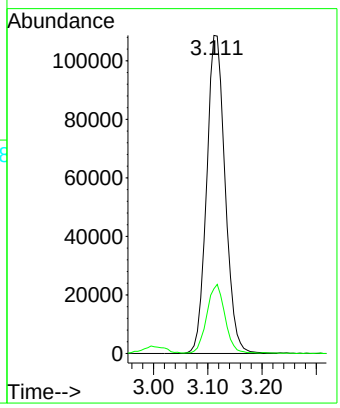




#19
Methyl tert-butyl Ether
Concen: 49.964 ug/l
RT: 3.111 min Scan# 33
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 73 Resp: 257085

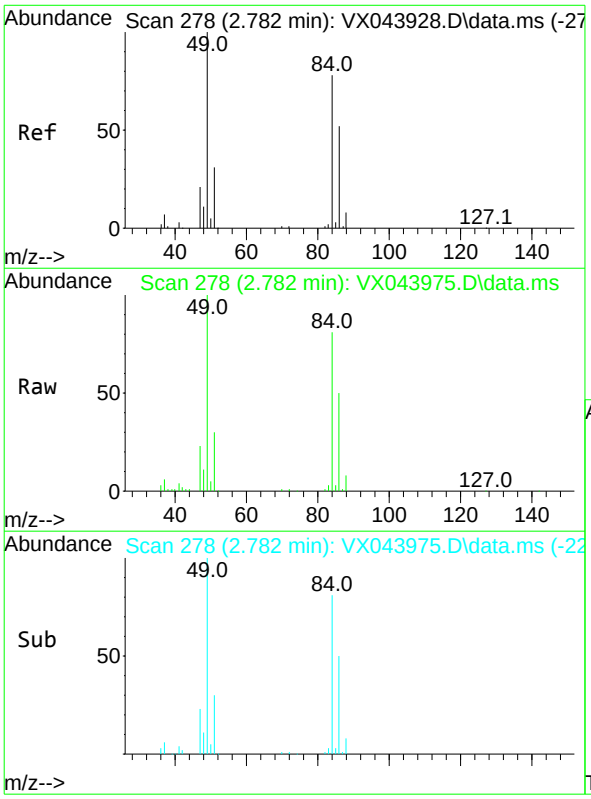
Ion	Ratio	Lower	Upper
73	100		
57	20.2	17.0	25.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

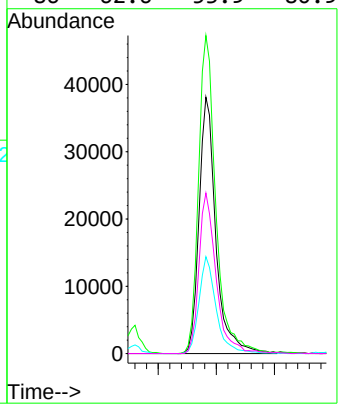
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

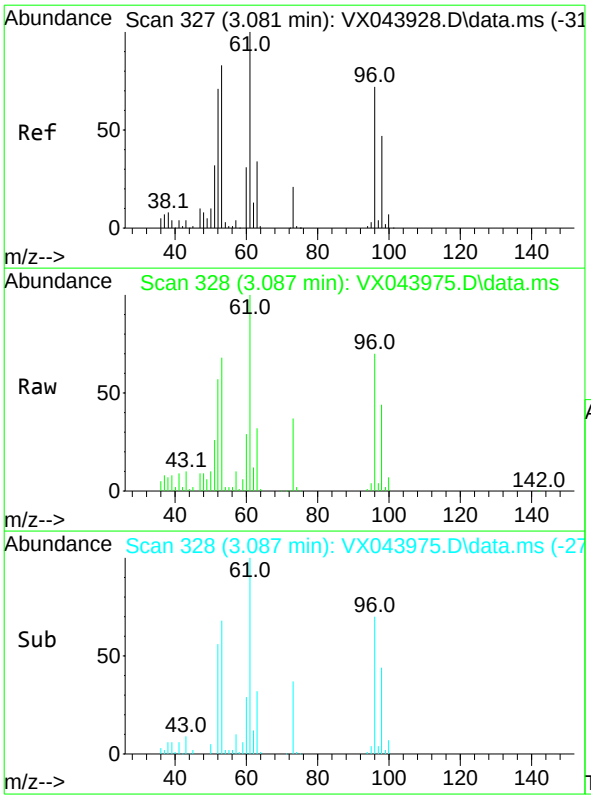


#20
Methylene Chloride
Concen: 46.692 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 84 Resp: 76764

Ion	Ratio	Lower	Upper
84	100		
49	124.0	102.7	154.1
51	37.8	31.7	47.5
86	62.6	53.9	80.9

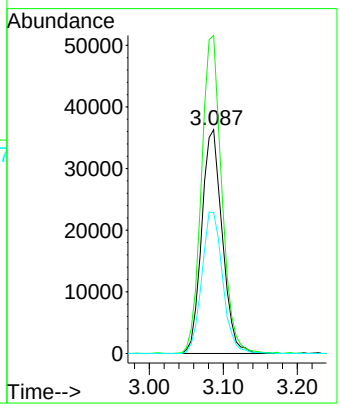




#21
trans-1,2-Dichloroethene
Concen: 47.861 ug/l
RT: 3.087 min Scan# 32
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 96 Resp: 70023

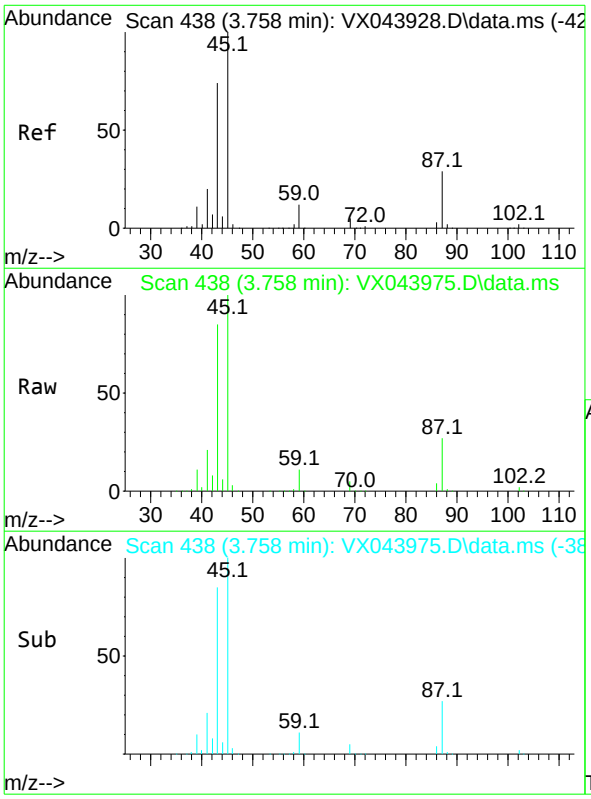
Ion	Ratio	Lower	Upper
96	100		
61	141.9	111.8	167.6
98	63.0	52.7	79.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

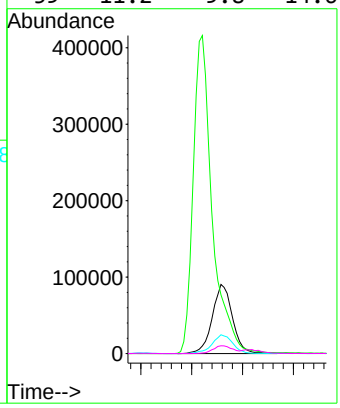
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

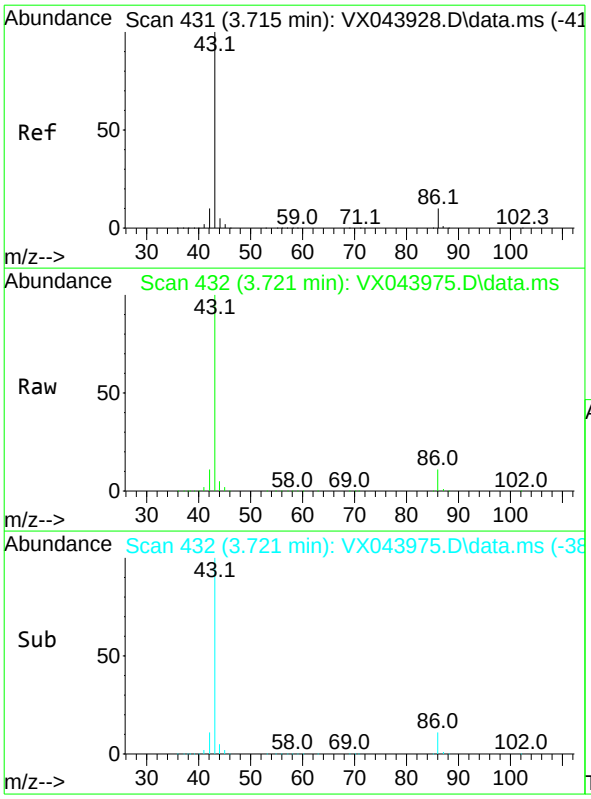


#22
Diisopropyl ether
Concen: 50.212 ug/l
RT: 3.758 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 45 Resp: 248613

Ion	Ratio	Lower	Upper
45	100		
43	84.4	59.6	89.4
87	27.2	22.9	34.3
59	11.2	9.8	14.6

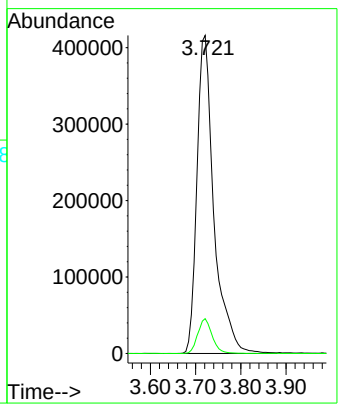




#23
Vinyl Acetate
Concen: 255.744 ug/l
RT: 3.721 min Scan# 43
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 43 Resp: 1083211

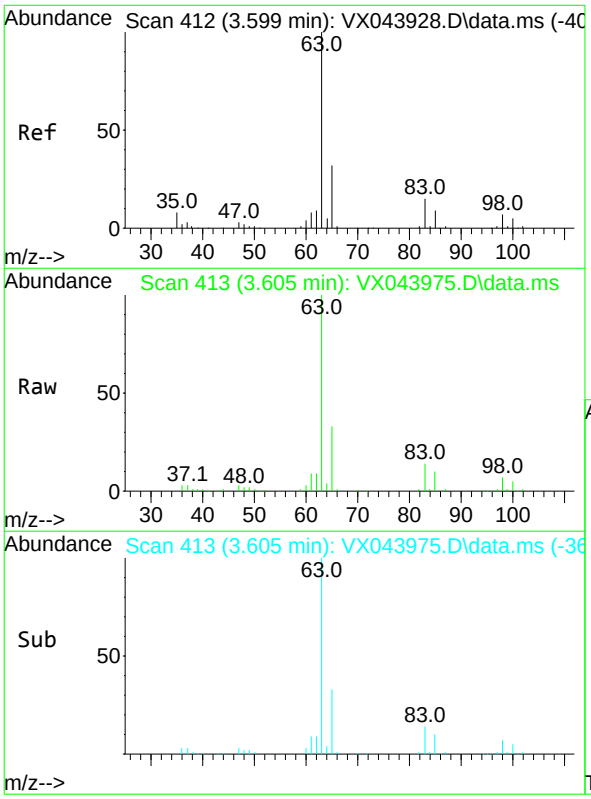
Ion	Ratio	Lower	Upper
43	100		
86	11.0	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

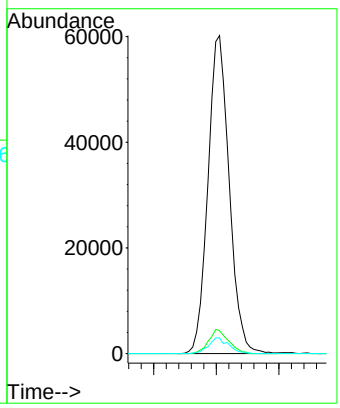
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

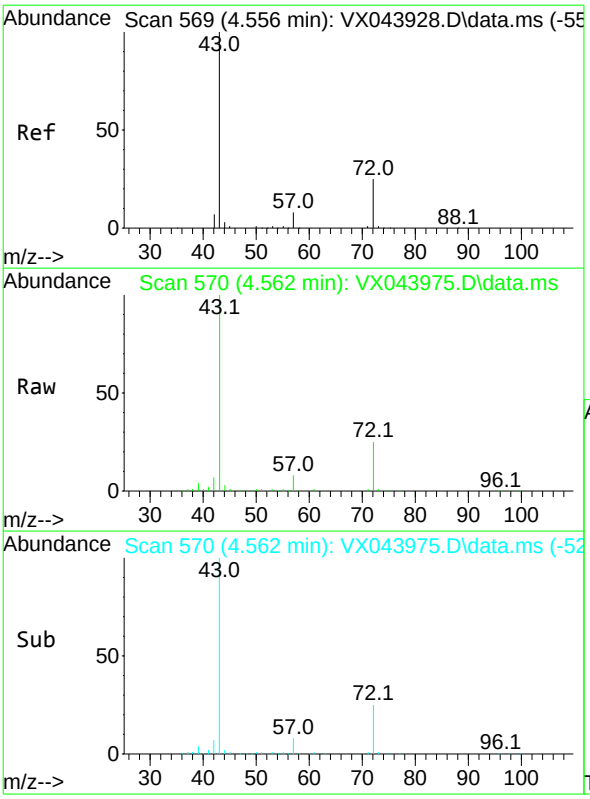


#24
1,1-Dichloroethane
Concen: 49.748 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 63 Resp: 142098

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.5	10.6
100	4.9	2.4	7.1

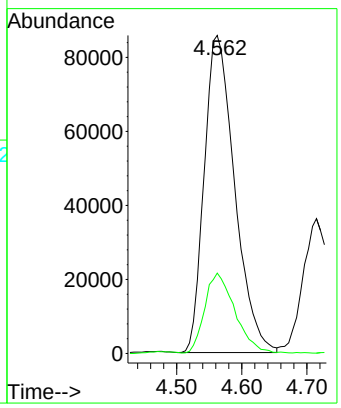




#25
2-Butanone
Concen: 222.822 ug/l
RT: 4.562 min Scan# 57
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 43 Resp: 278537

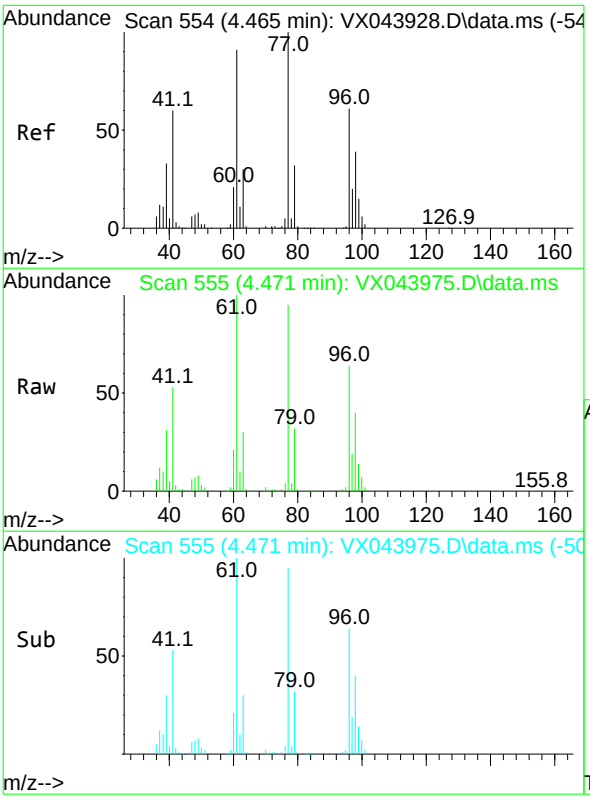
Ion	Ratio	Lower	Upper
43	100		
72	25.0	20.2	30.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

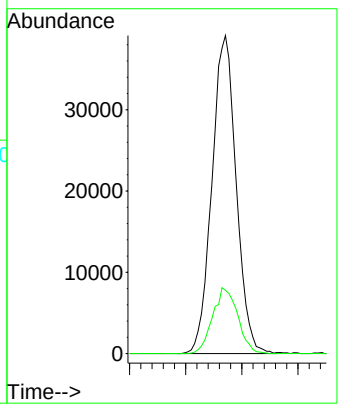
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

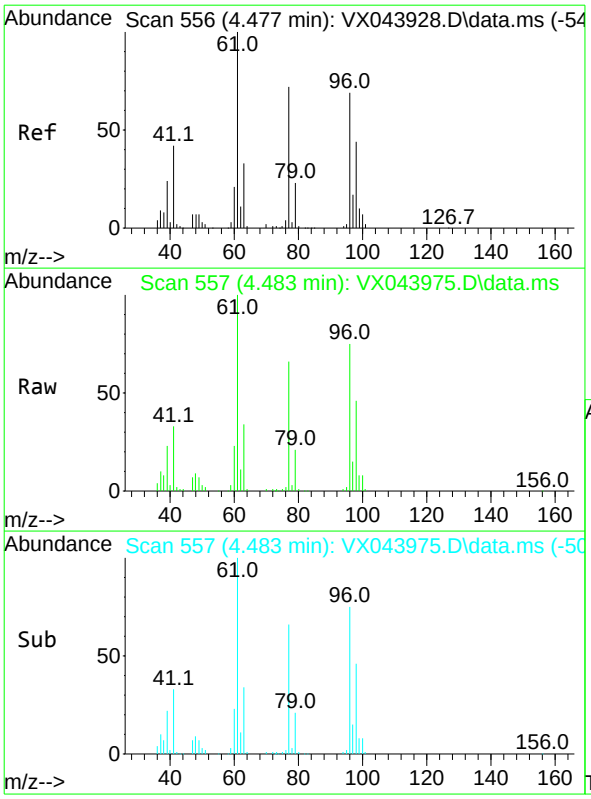


#26
2,2-Dichloropropane
Concen: 45.557 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 77 Resp: 117521

Ion	Ratio	Lower	Upper
77	100		
97	21.4	10.8	32.3

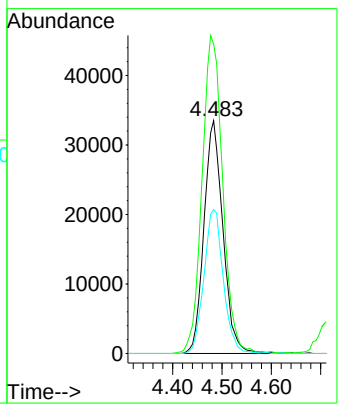




#27
cis-1,2-Dichloroethene
Concen: 49.483 ug/l
RT: 4.483 min Scan# 55
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 96 Resp: 89489

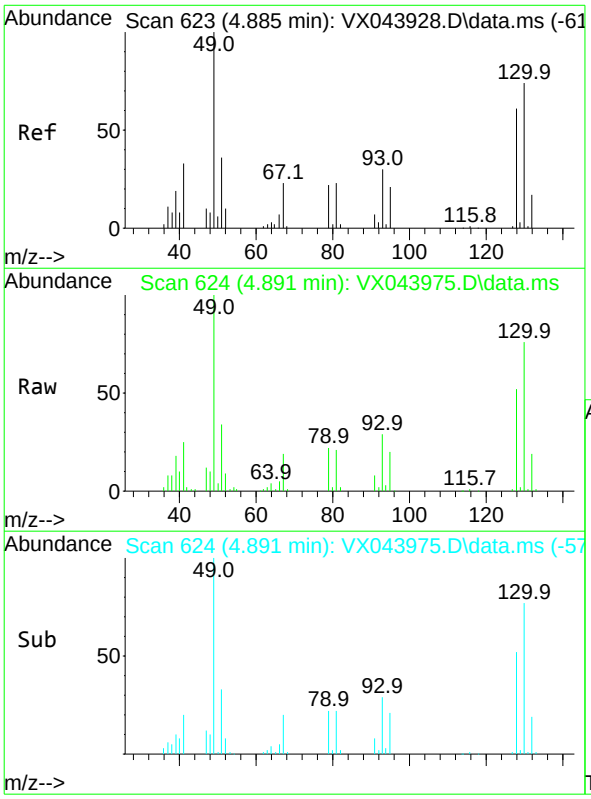
Ion	Ratio	Lower	Upper
96	100		
61	148.3	0.0	297.4
98	63.1	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

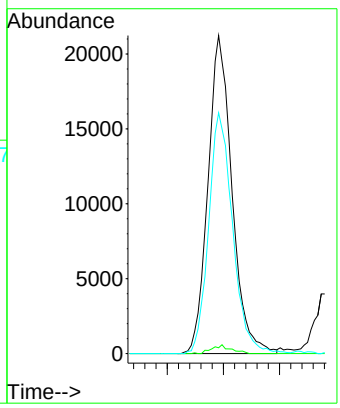
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

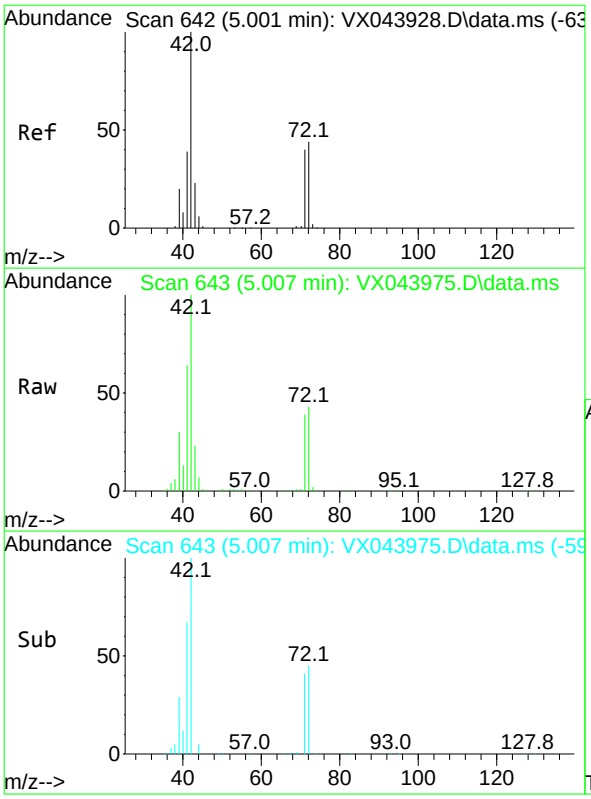


#28
Bromochloromethane
Concen: 50.141 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 49 Resp: 63042

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.0
130	75.6	59.0	88.6





#29
Tetrahydrofuran
Concen: 229.176 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

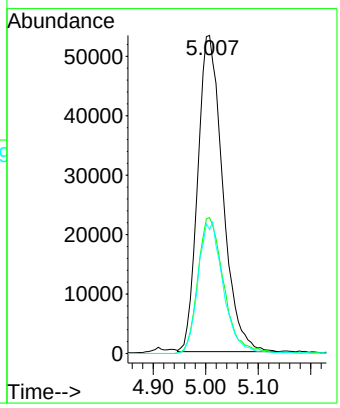
Tgt Ion: 42 Resp: 175631

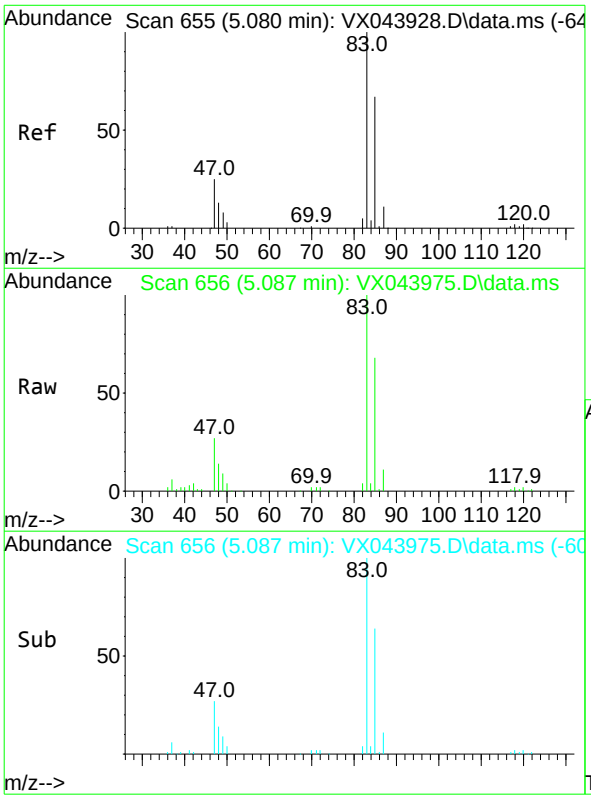
Ion	Ratio	Lower	Upper
42	100		
72	44.5	36.4	54.6
71	42.0	33.4	50.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

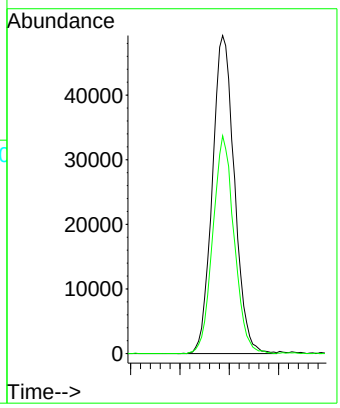


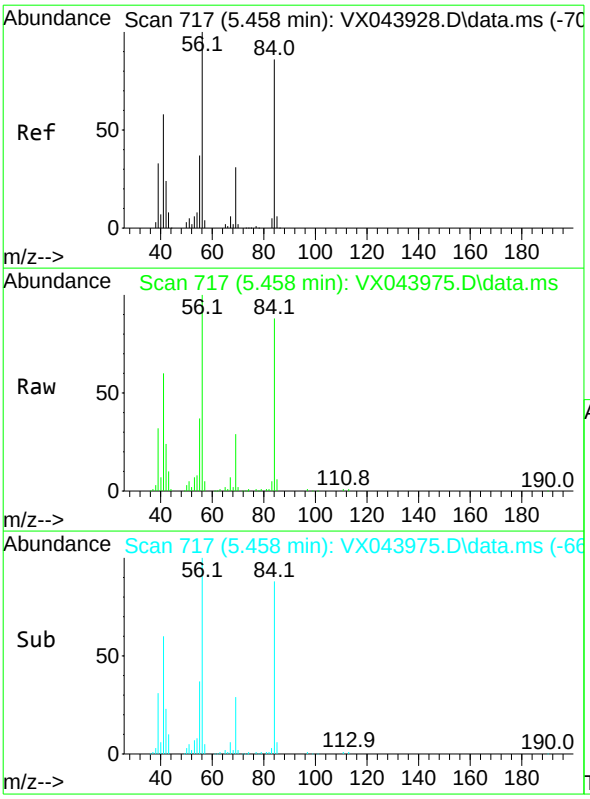


#30
Chloroform
Concen: 49.881 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 83 Resp: 153240

Ion	Ratio	Lower	Upper
83	100		
85	68.5	53.5	80.3





#31
Cyclohexane
Concen: 46.218 ug/l
RT: 5.458 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

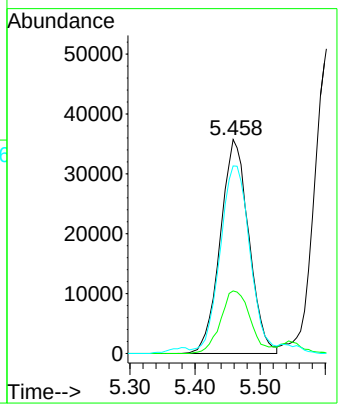
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

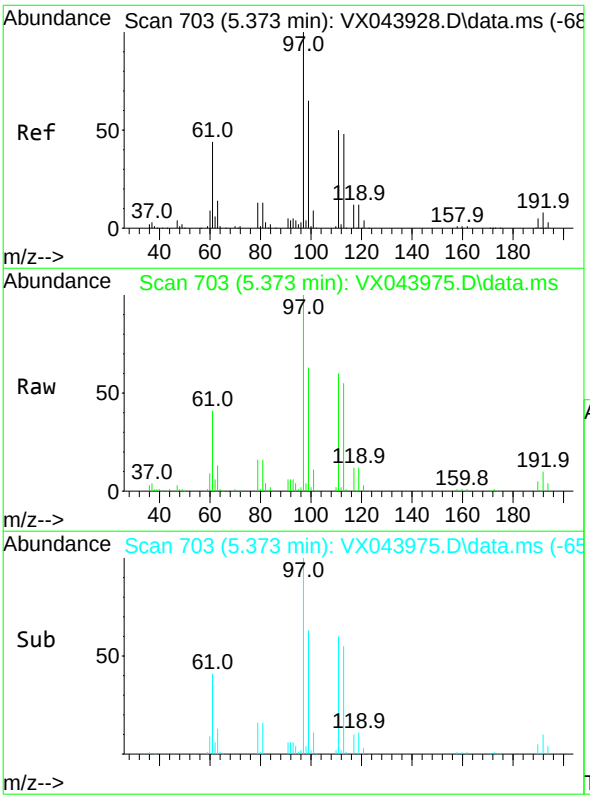
Tgt Ion: 56 Resp: 108654

Ion	Ratio	Lower	Upper
56	100		
69	29.2	24.7	37.1
84	85.4	68.7	103.1

Manual Integrations
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Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

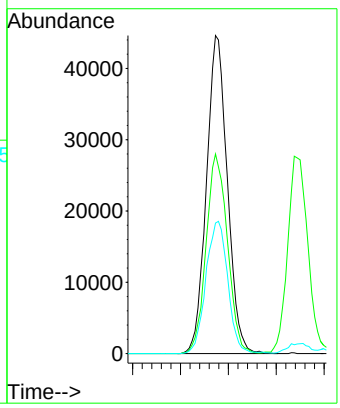


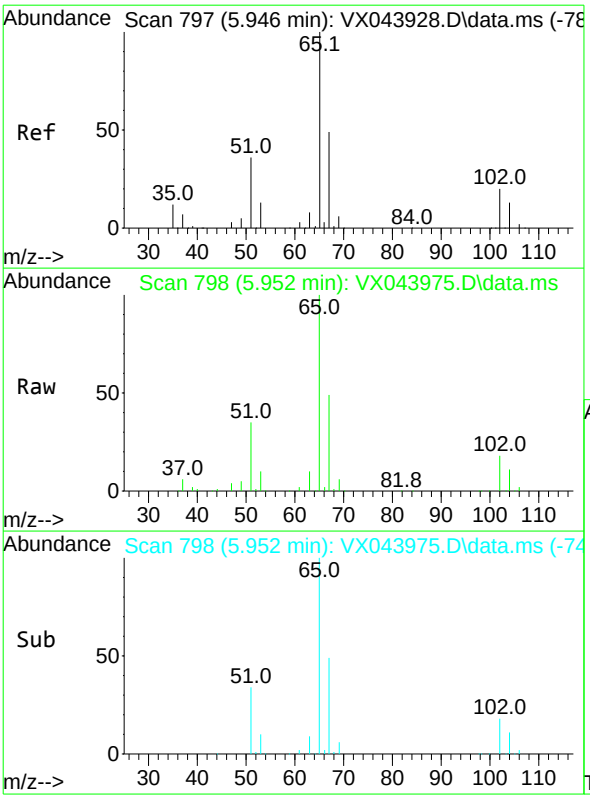


#32
1,1,1-Trichloroethane
Concen: 51.132 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 97 Resp: 135463

Ion	Ratio	Lower	Upper
97	100		
99	64.0	50.8	76.2
61	43.7	35.4	53.2

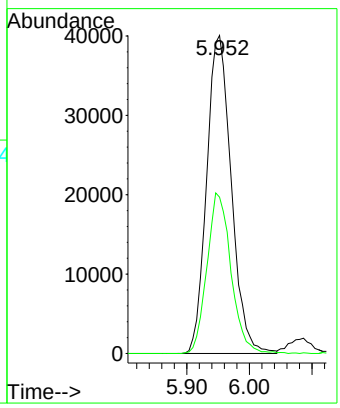




#33
1,2-Dichloroethane-d4
Concen: 51.858 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 65 Resp: 109385

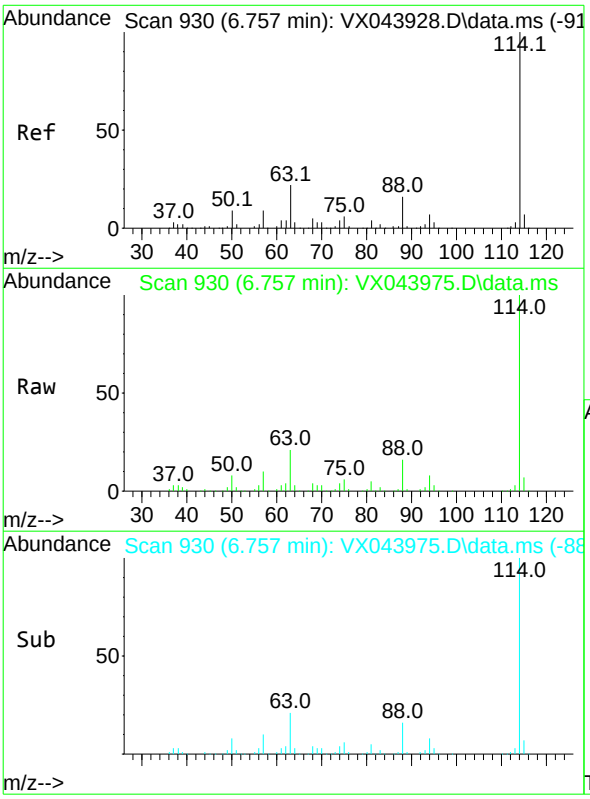
Ion	Ratio	Lower	Upper
65	100		
67	49.2	0.0	100.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

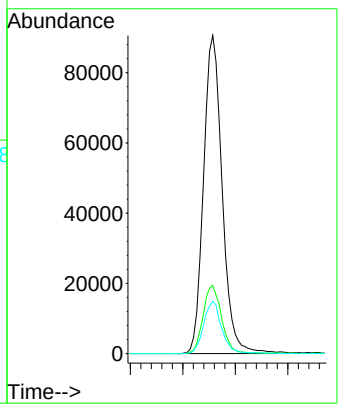
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

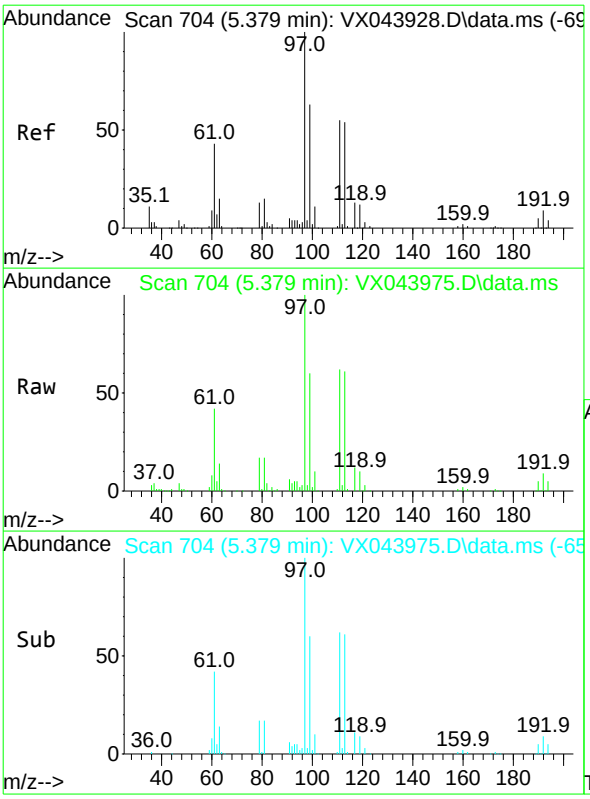


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:114 Resp: 223634

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	44.0
88	16.4	0.0	32.4

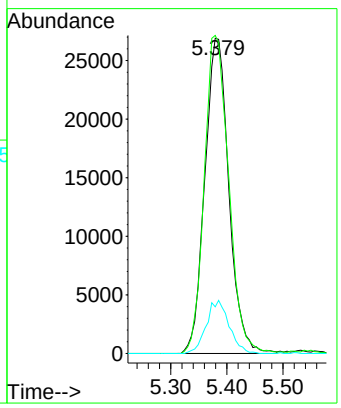




#35
Dibromofluoromethane
Concen: 50.113 ug/l
RT: 5.379 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:113 Resp: 80080

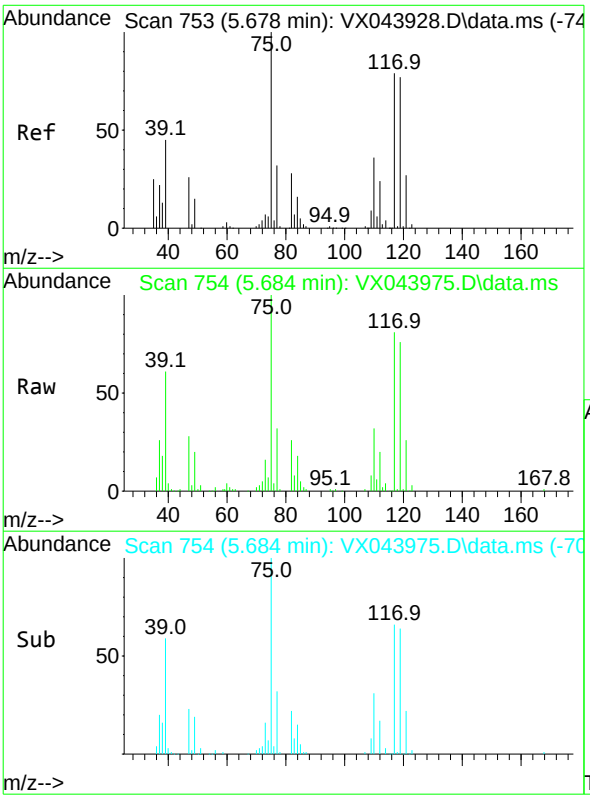
Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.0	121.4
192	16.0	13.0	19.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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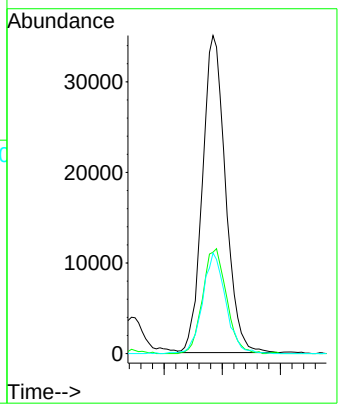
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

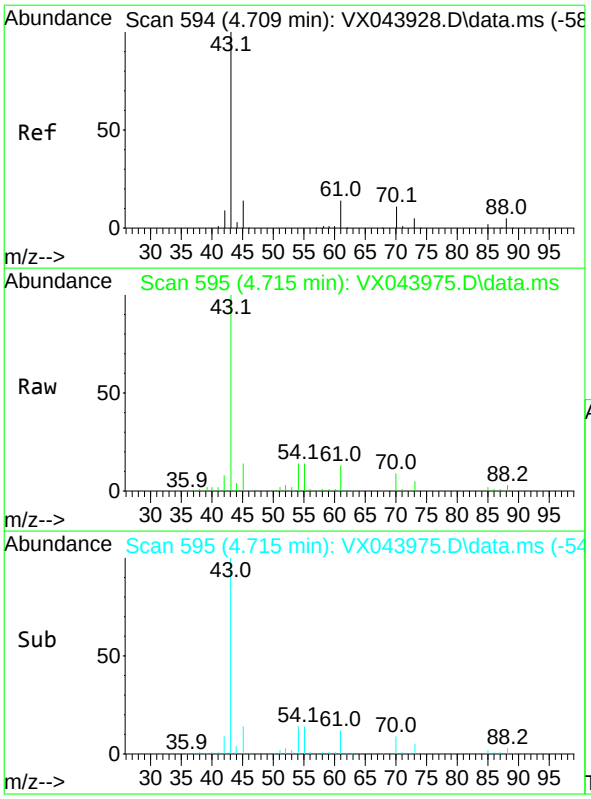


#36
1,1-Dichloropropene
Concen: 48.403 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 75 Resp: 96384

Ion	Ratio	Lower	Upper
75	100		
110	34.2	17.4	52.2
77	31.9	25.8	38.8





#37
Ethyl Acetate
Concen: 45.245 ug/l
RT: 4.715 min Scan# 59
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

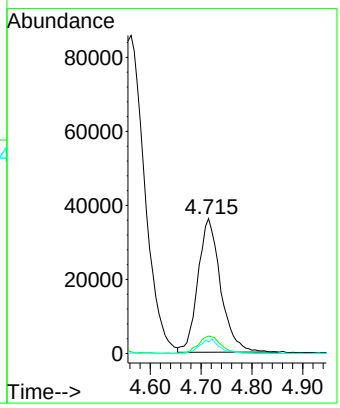
Tgt Ion: 43 Resp: 111838

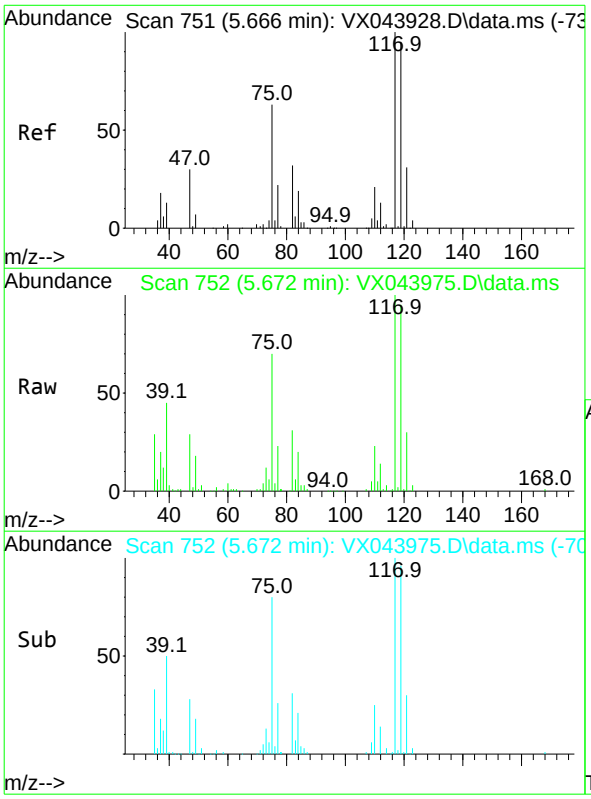
Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.7	16.1
70	9.5	8.0	12.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

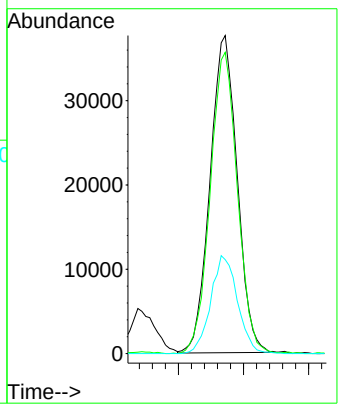


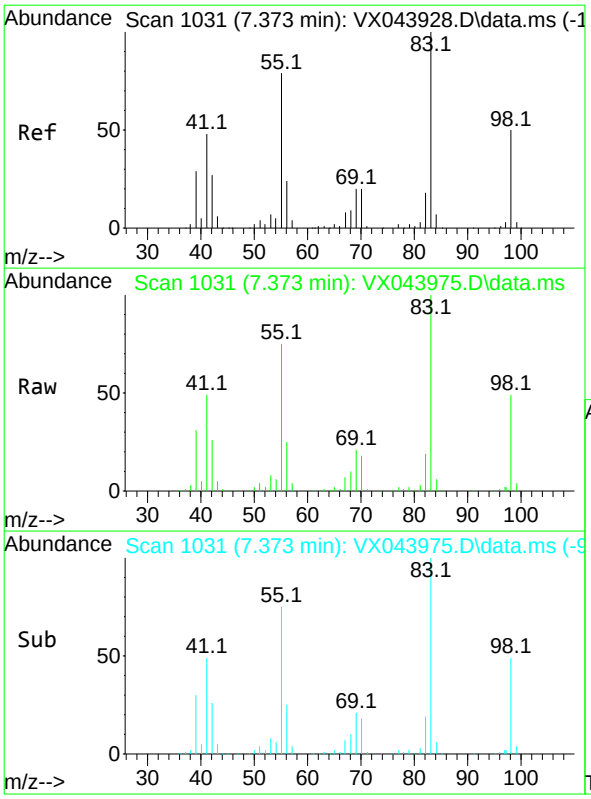


#38
Carbon Tetrachloride
Concen: 48.766 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:117 Resp: 109113

Ion	Ratio	Lower	Upper
117	100		
119	95.1	75.2	112.8
121	29.7	24.5	36.7





#39
Methylcyclohexane
Concen: 44.283 ug/l
RT: 7.373 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

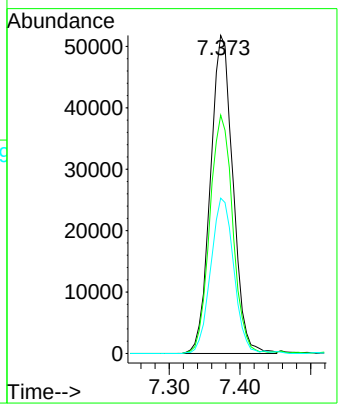
Tgt Ion: 83 Resp: 114556

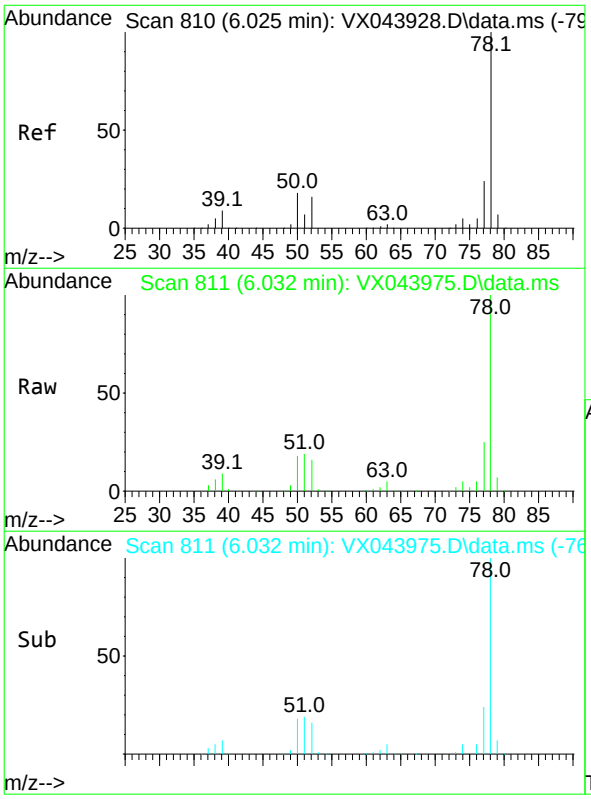
Ion	Ratio	Lower	Upper
83	100		
55	74.9	63.1	94.7
98	48.8	40.0	60.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

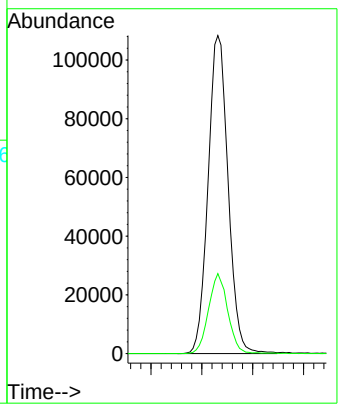


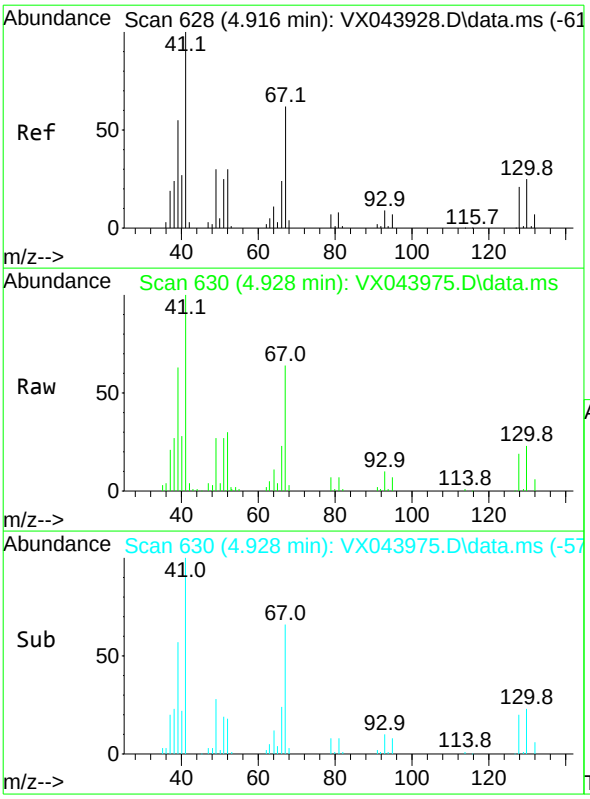


#40
Benzene
Concen: 47.732 ug/l
RT: 6.032 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 78 Resp: 296066

Ion	Ratio	Lower	Upper
78	100		
77	25.1	19.2	28.8

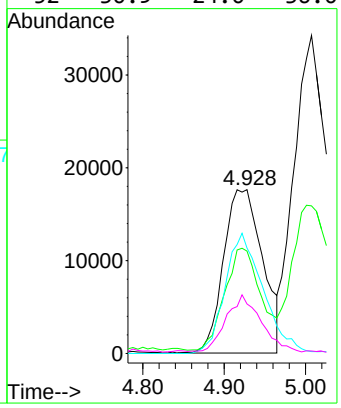




#41
Methacrylonitrile
Concen: 46.538 ug/l
RT: 4.928 min Scan# 63
Delta R.T. 0.012 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 41 Resp: 58876

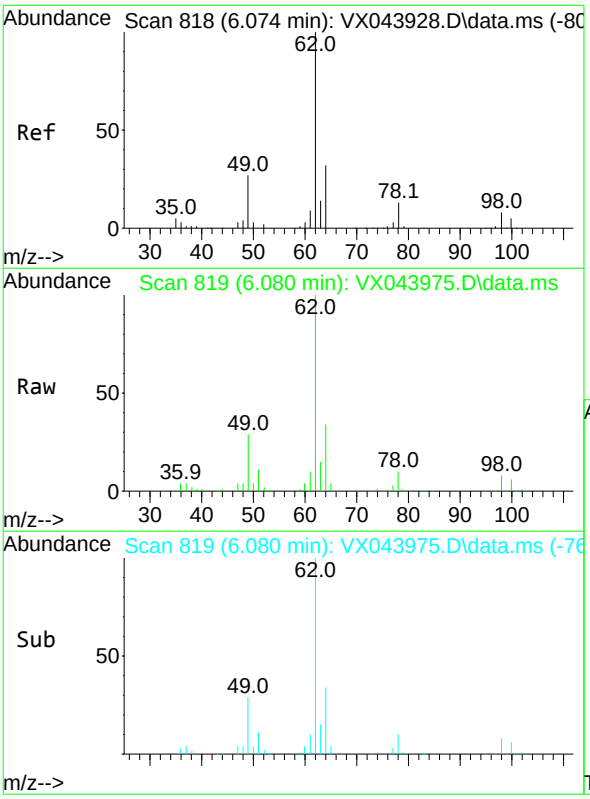
Ion	Ratio	Lower	Upper
41	100		
39	57.9	41.7	62.5
67	72.3	55.8	83.8
52	30.9	24.0	36.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

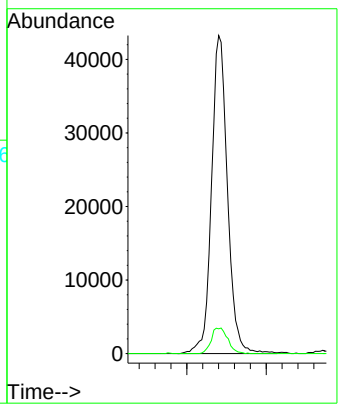
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

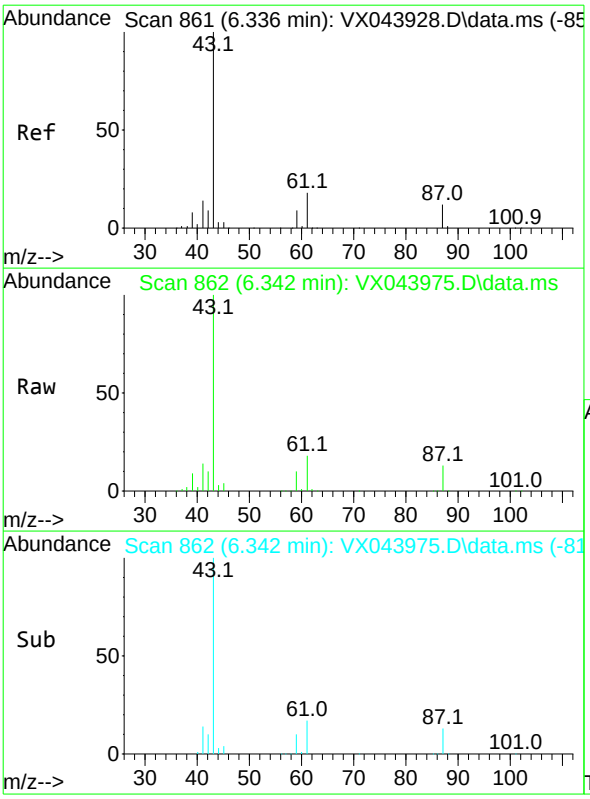


#42
1,2-Dichloroethane
Concen: 48.527 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 62 Resp: 120886

Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.4

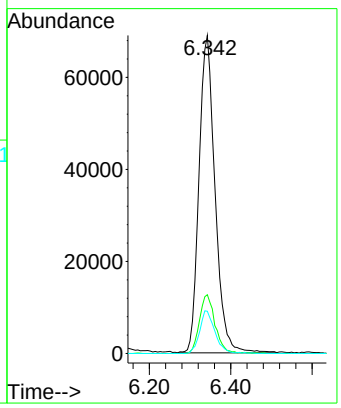




#43
Isopropyl Acetate
Concen: 48.002 ug/l
RT: 6.342 min Scan# 86
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 43 Resp: 188827

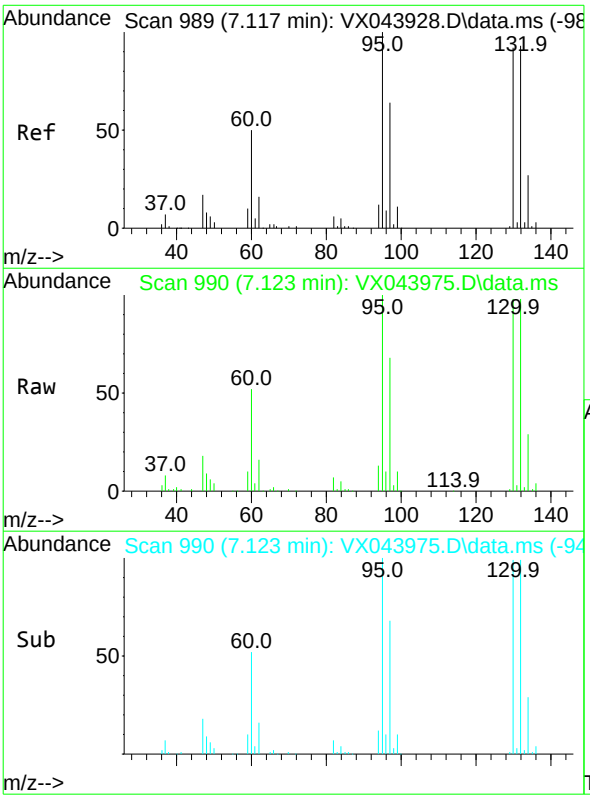
Ion	Ratio	Lower	Upper
43	100		
61	18.1	14.5	21.7
87	12.7	10.2	15.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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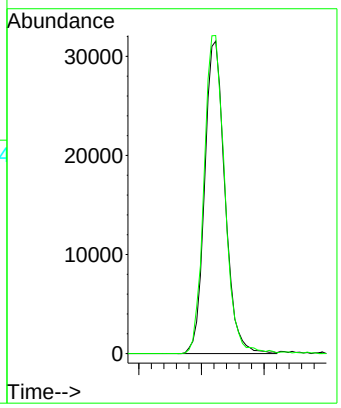
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

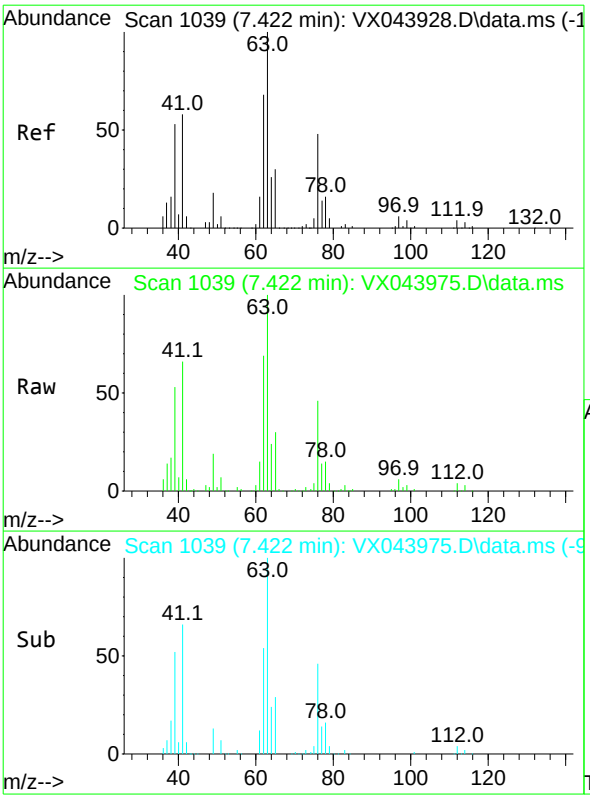


#44
Trichloroethene
Concen: 40.354 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:130 Resp: 70858

Ion	Ratio	Lower	Upper
130	100		
95	101.8	0.0	217.8





#45
1,2-Dichloropropane
Concen: 48.373 ug/l
RT: 7.422 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

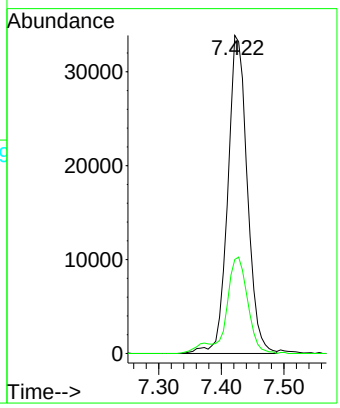
Tgt Ion: 63 Resp: 73488

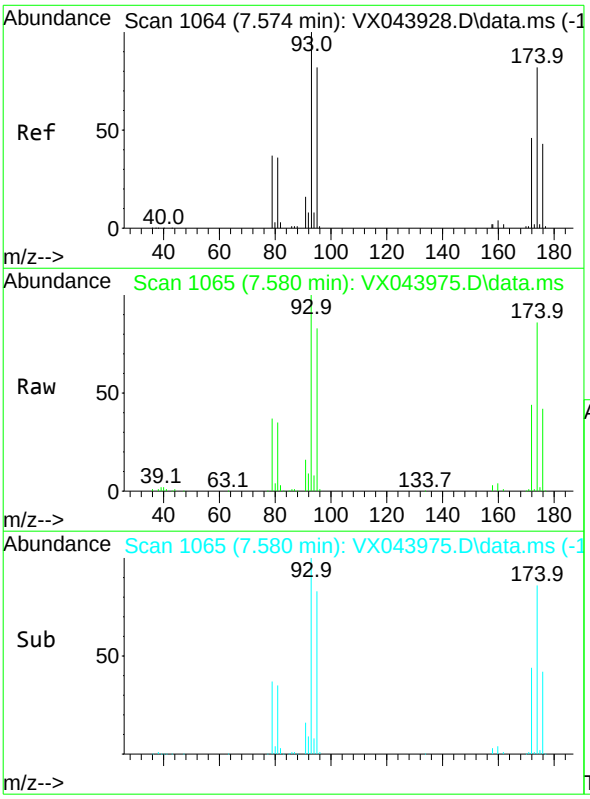
Ion	Ratio	Lower	Upper
63	100		
65	29.6	23.8	35.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

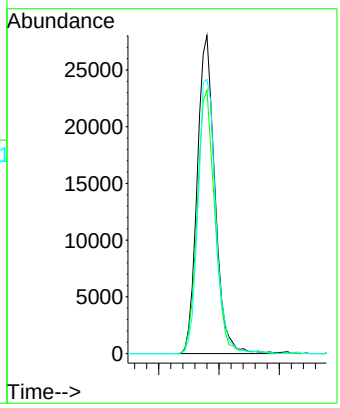


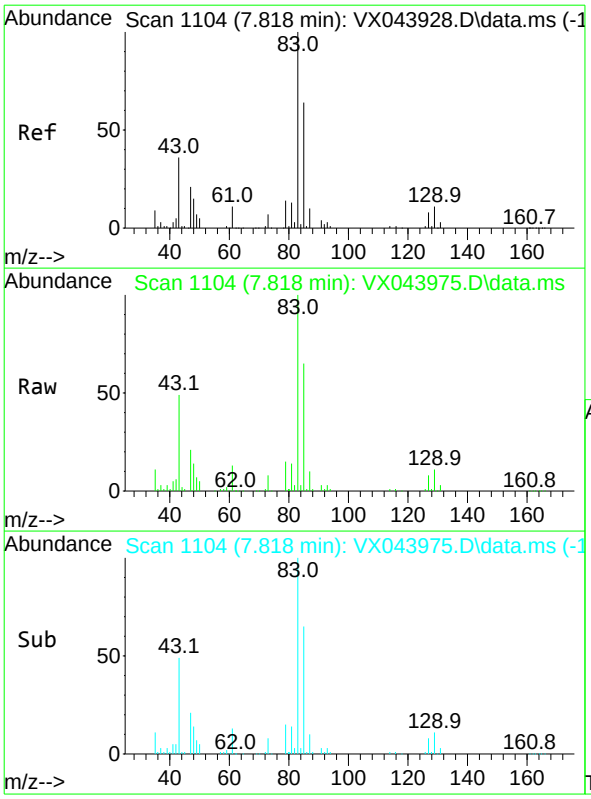


#46
Dibromomethane
Concen: 47.608 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 93 Resp: 57212

Ion	Ratio	Lower	Upper
93	100		
95	82.3	66.2	99.4
174	86.7	69.6	104.4

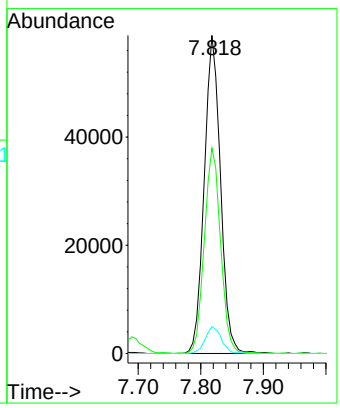




#47
Bromodichloromethane
Concen: 49.233 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 83 Resp: 106111

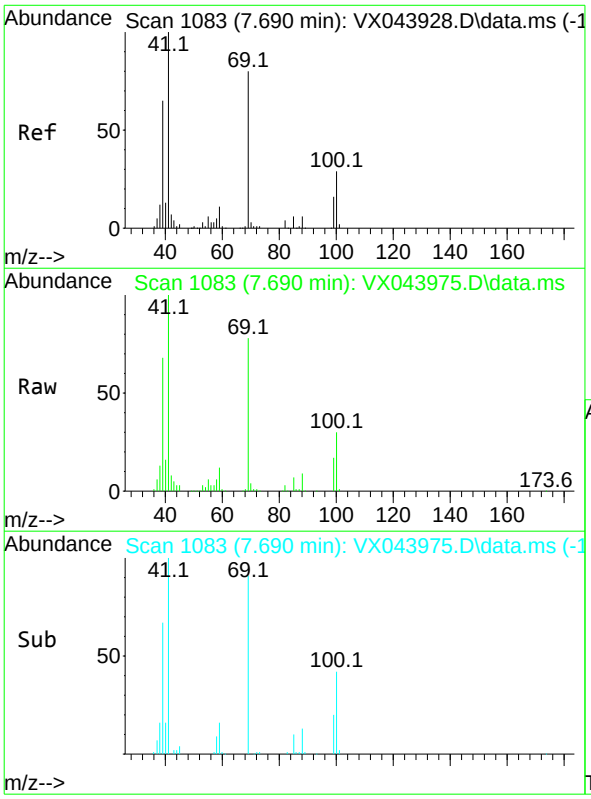
Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.4	77.0
127	8.5	6.6	10.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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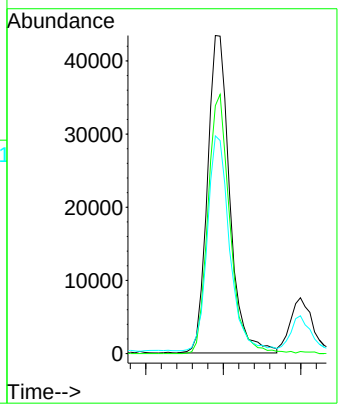
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

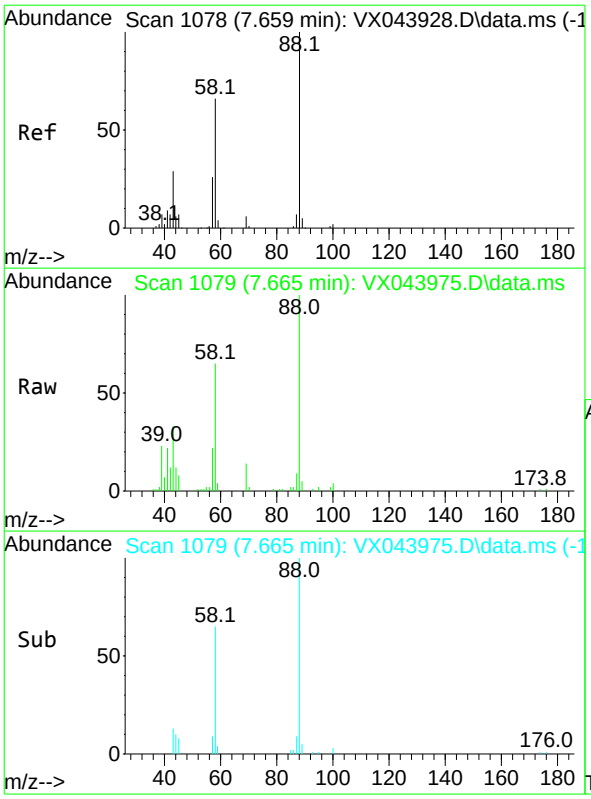


#48
Methyl methacrylate
Concen: 45.987 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 41 Resp: 86803

Ion	Ratio	Lower	Upper
41	100		
69	80.4	64.6	97.0
39	67.2	53.3	79.9

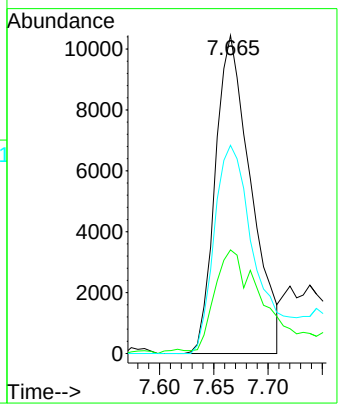




#49
1,4-Dioxane
Concen: 708.970 ug/l
RT: 7.665 min Scan# 10
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 88 Resp: 23838

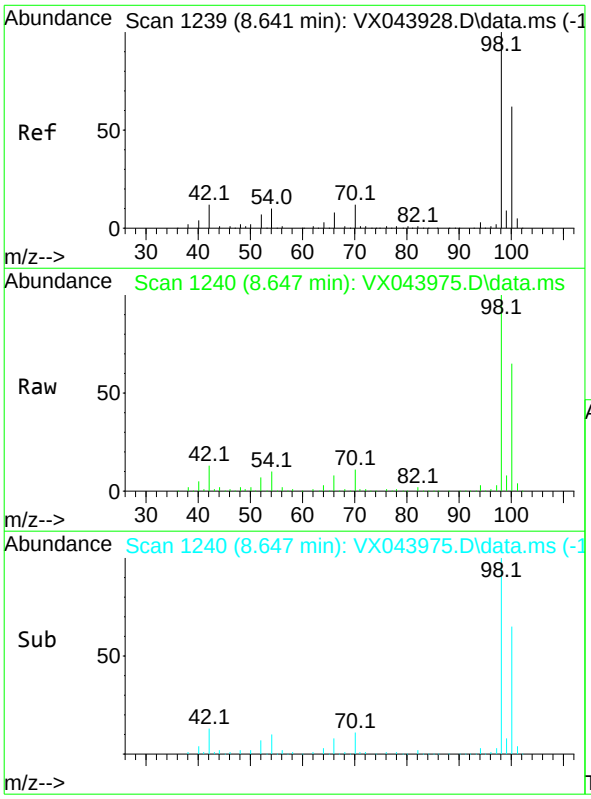
Ion	Ratio	Lower	Upper
88	100		
43	43.2	26.8	40.2#
58	76.3	45.4	68.2#



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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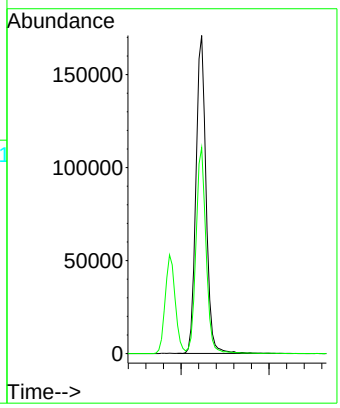
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

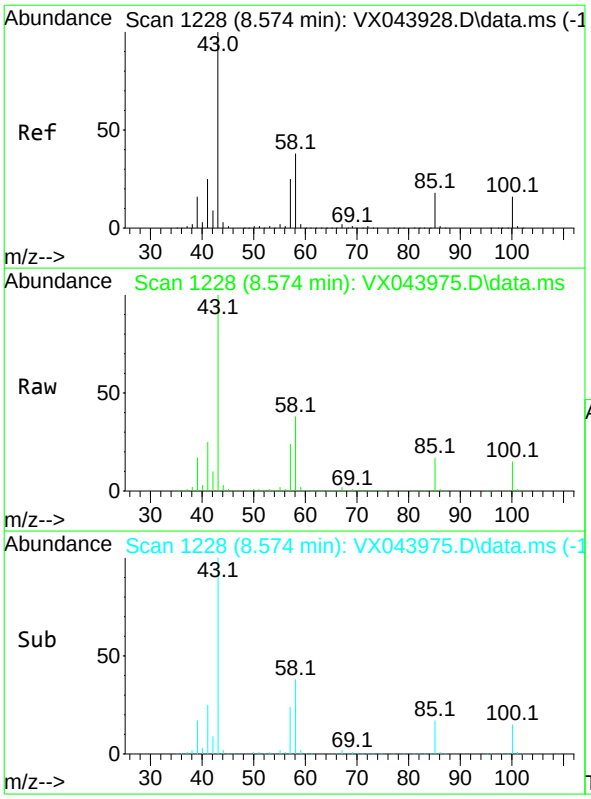


#50
Toluene-d8
Concen: 49.385 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 98 Resp: 272032

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.6	79.0

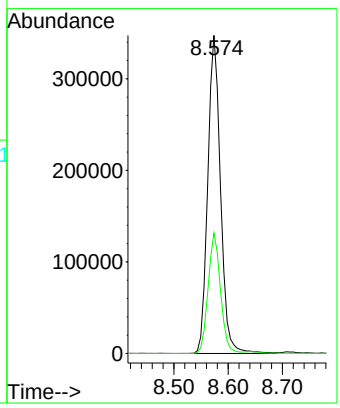




#51
4-Methyl-2-Pentanone
Concen: 237.028 ug/l
RT: 8.574 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 43 Resp: 569005

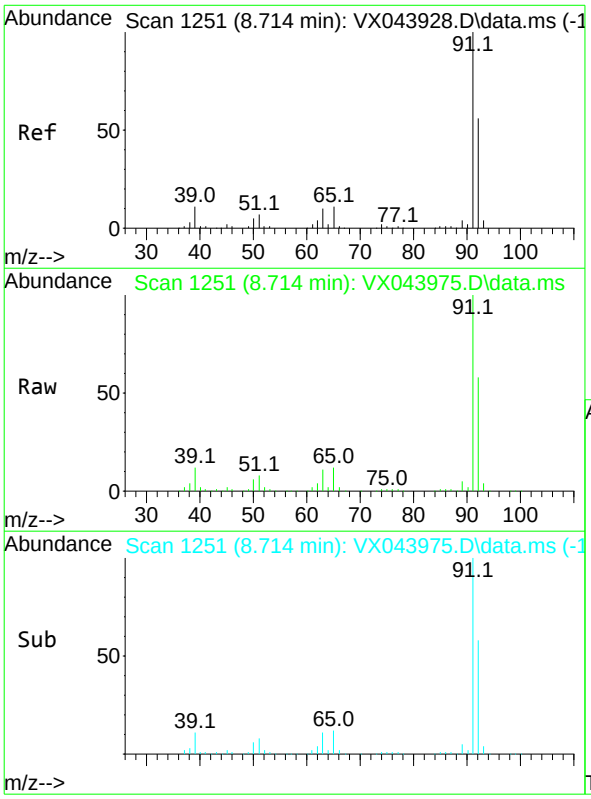
Ion	Ratio	Lower	Upper
43	100		
58	36.7	30.0	45.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

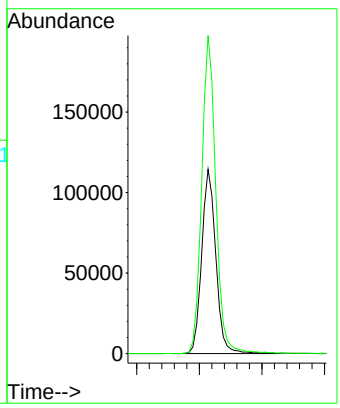
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

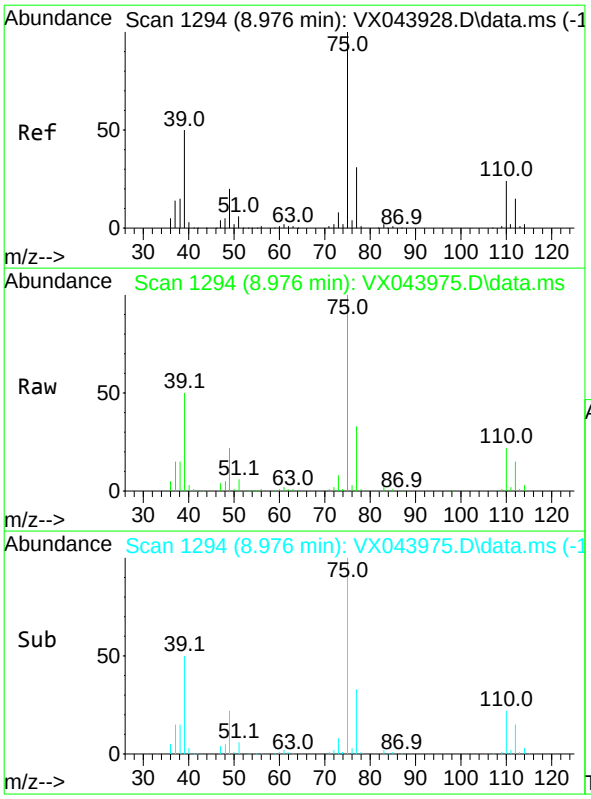


#52
Toluene
Concen: 48.314 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 92 Resp: 179366

Ion	Ratio	Lower	Upper
92	100		
91	171.8	139.7	209.5

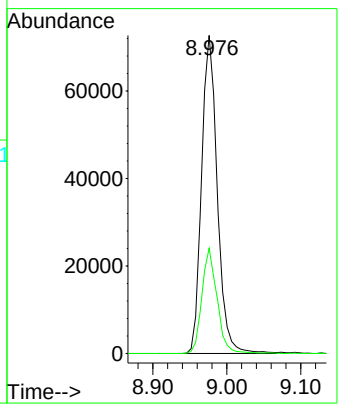




#53
t-1,3-Dichloropropene
Concen: 48.867 ug/l
RT: 8.976 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 75 Resp: 107403

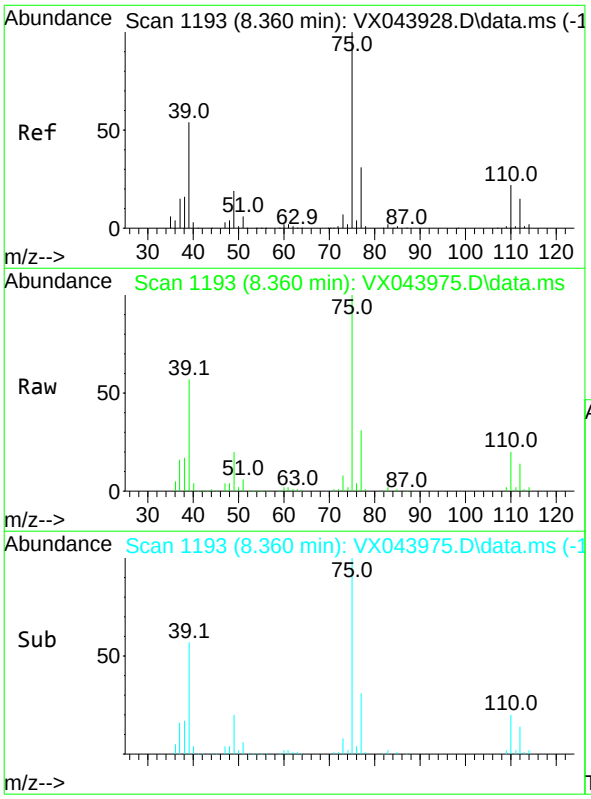
Ion	Ratio	Lower	Upper
75	100		
77	33.1	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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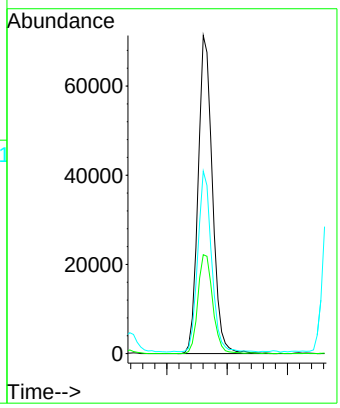
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

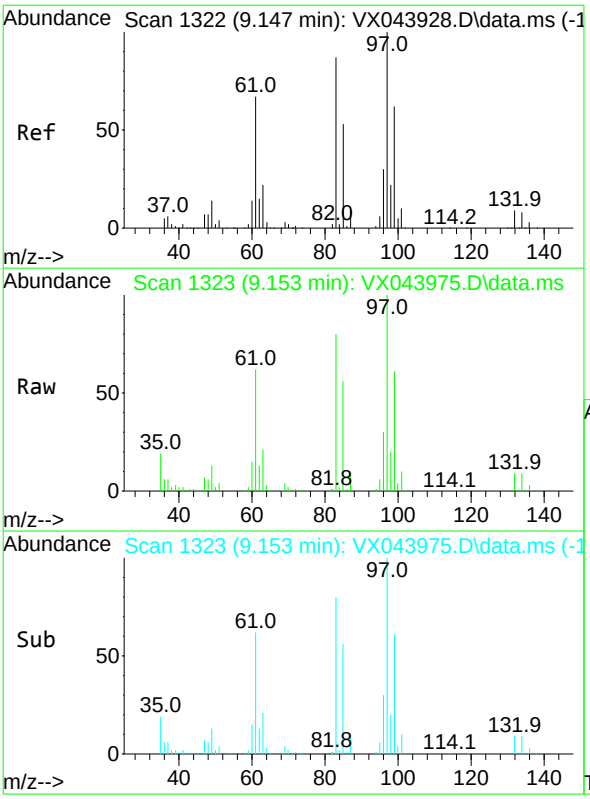


#54
cis-1,3-Dichloropropene
Concen: 48.756 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 75 Resp: 117473

Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.2	37.8
39	56.8	43.1	64.7

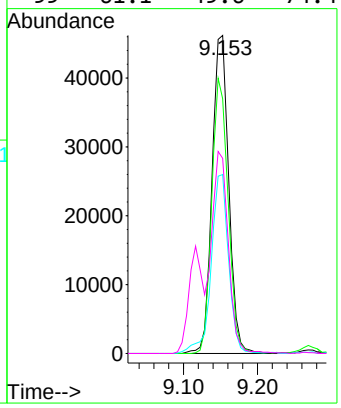




#55
1,1,2-Trichloroethane
Concen: 47.244 ug/l
RT: 9.153 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 97 Resp: 72401

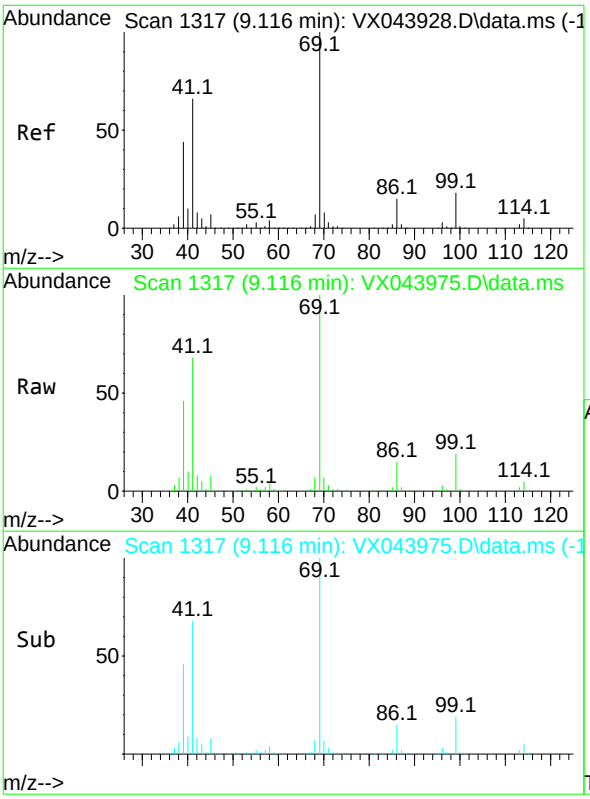
Ion	Ratio	Lower	Upper
97	100		
83	80.1	69.4	104.0
85	56.1	42.3	63.5
99	61.1	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

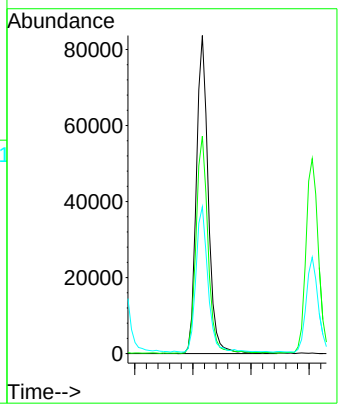
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

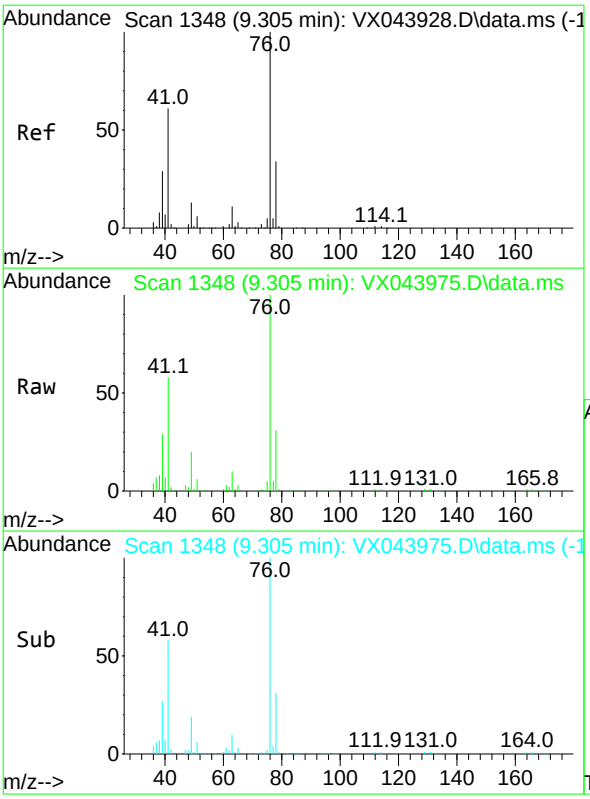


#56
Ethyl methacrylate
Concen: 49.720 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 69 Resp: 118682

Ion	Ratio	Lower	Upper
69	100		
41	68.8	55.8	83.8
39	45.4	36.7	55.1





#57
1,3-Dichloropropane
Concen: 48.020 ug/l
RT: 9.305 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

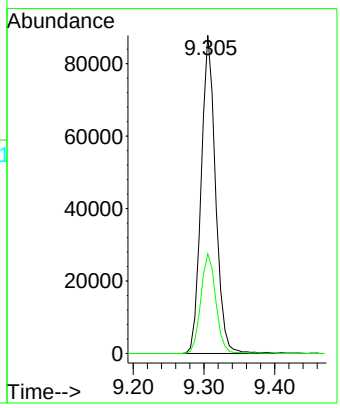
Tgt Ion: 76 Resp: 123967

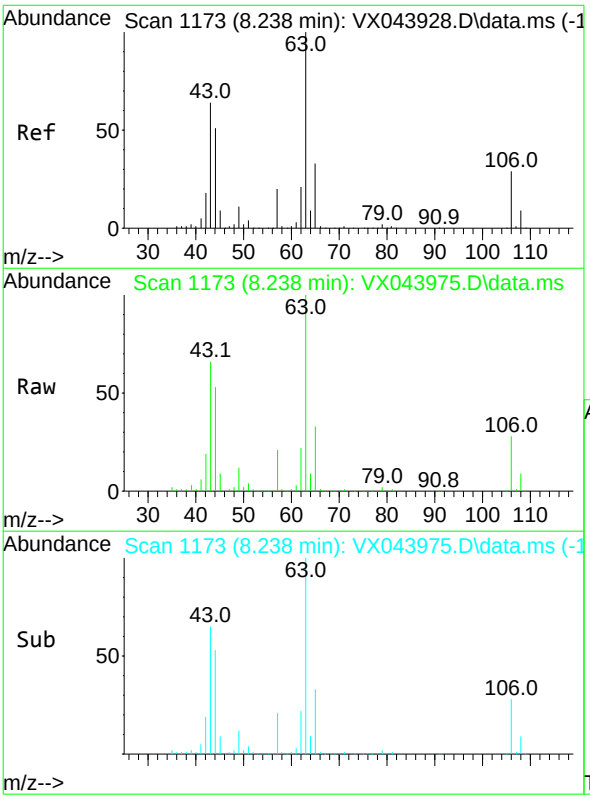
Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.0	39.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

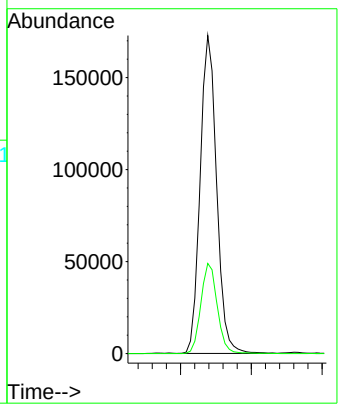


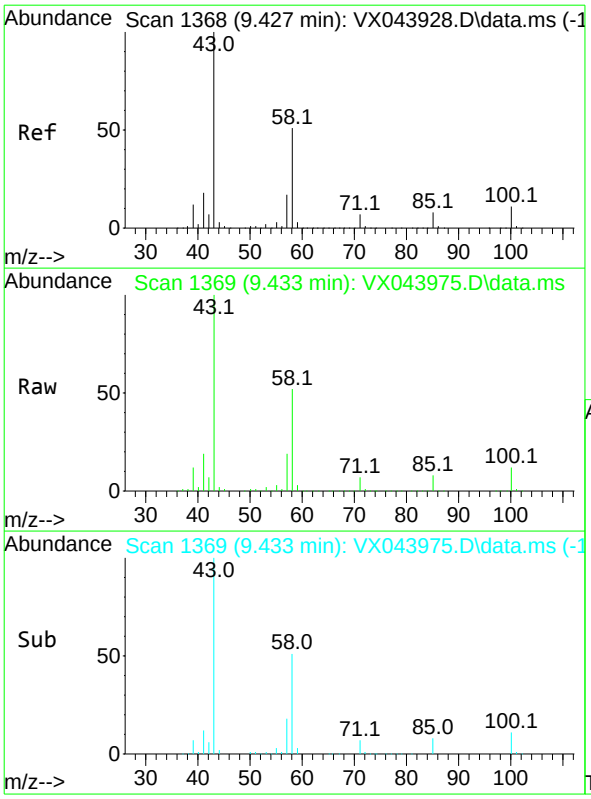


#58
2-Chloroethyl Vinyl ether
Concen: 213.469 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 63 Resp: 279741

Ion	Ratio	Lower	Upper
63	100		
106	28.2	23.0	34.6

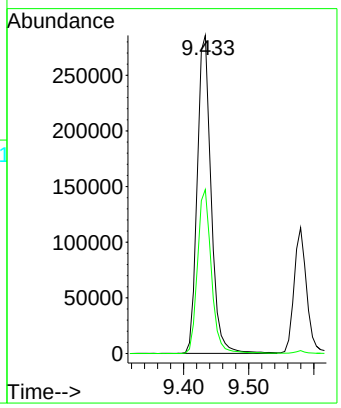




#59
2-Hexanone
Concen: 233.298 ug/l
RT: 9.433 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 43 Resp: 420948

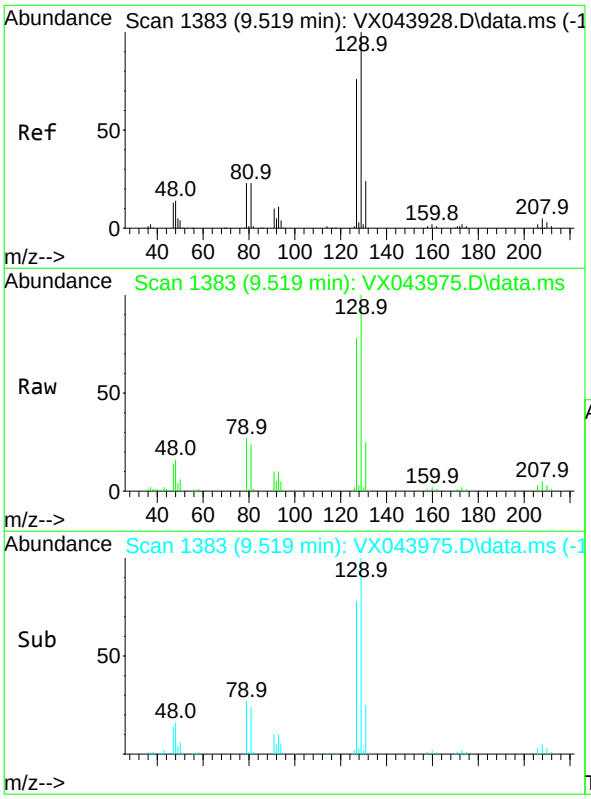
Ion	Ratio	Lower	Upper
43	100		
58	51.7	25.9	77.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

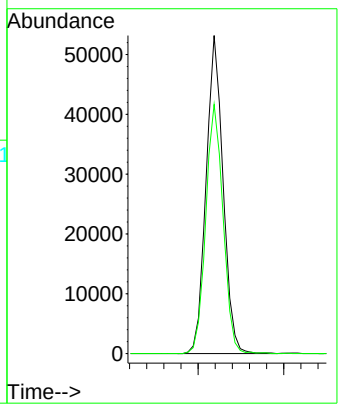
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

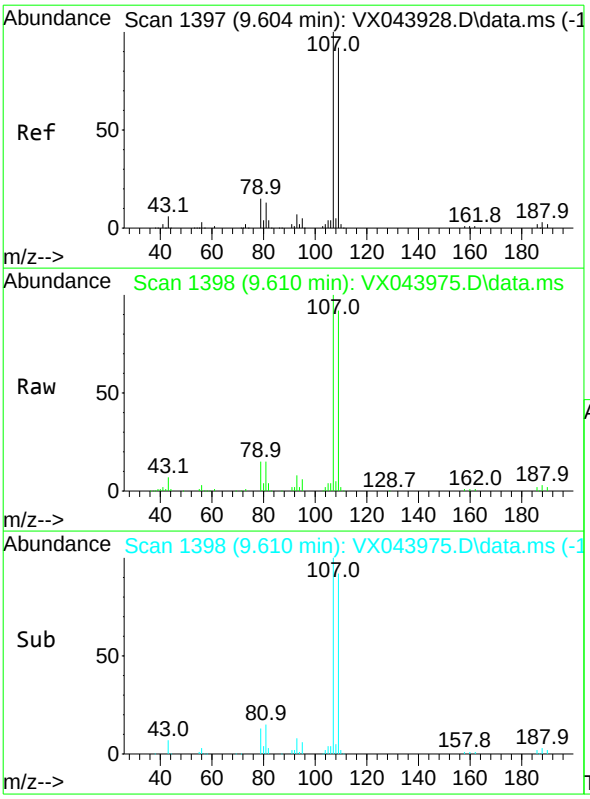


#60
Dibromochloromethane
Concen: 47.547 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:129 Resp: 73109

Ion	Ratio	Lower	Upper
129	100		
127	79.9	38.2	114.6

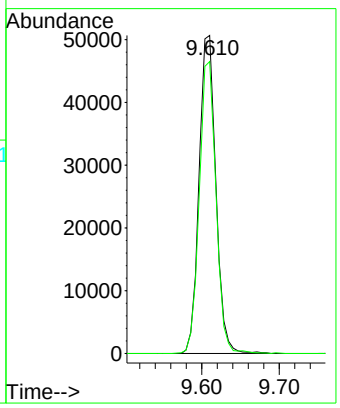




#61
1,2-Dibromoethane
Concen: 49.118 ug/l
RT: 9.610 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:107 Resp: 76113

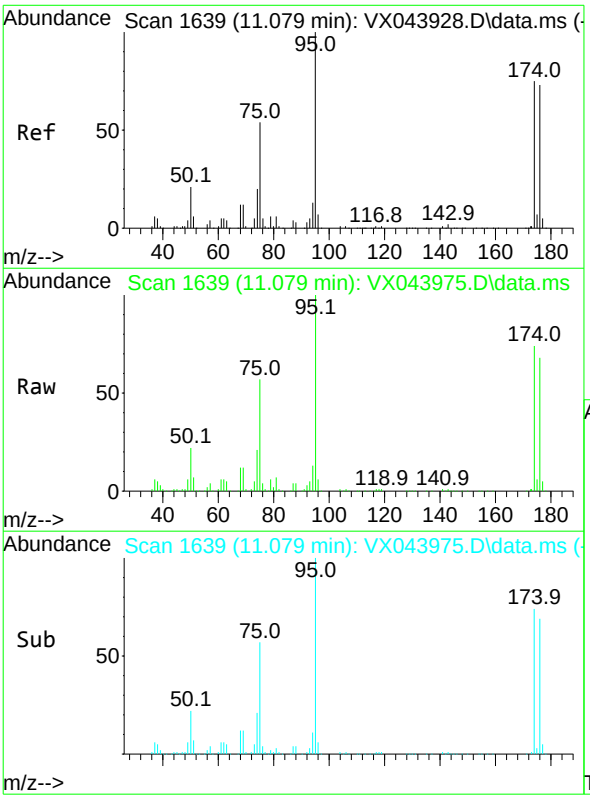
Ion	Ratio	Lower	Upper
107	100		
109	91.6	75.2	112.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

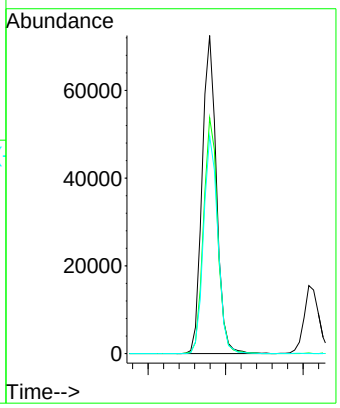
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

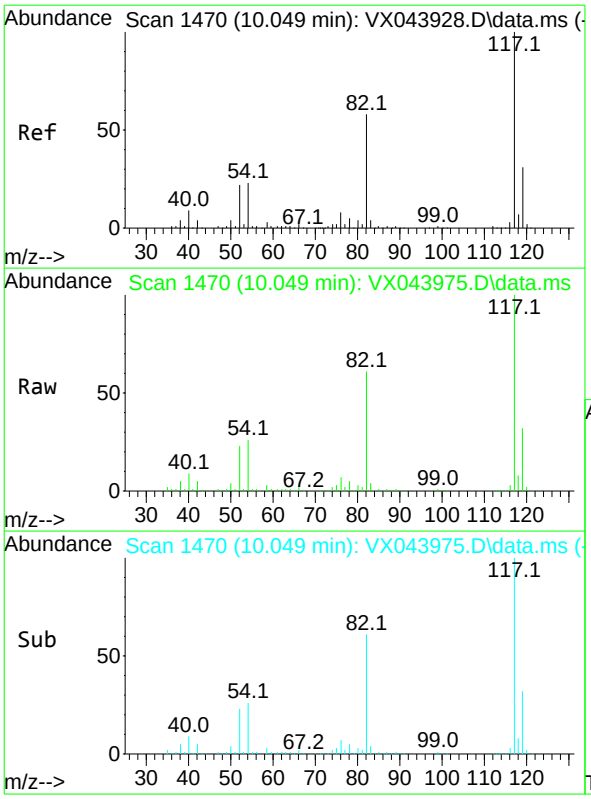


#62
4-Bromofluorobenzene
Concen: 49.694 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 95 Resp: 93160

Ion	Ratio	Lower	Upper
95	100		
174	73.4	0.0	150.4
176	68.4	0.0	146.0

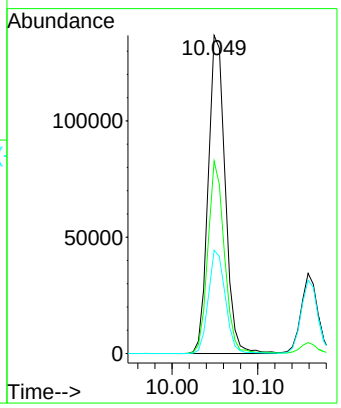




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:117 Resp: 188299

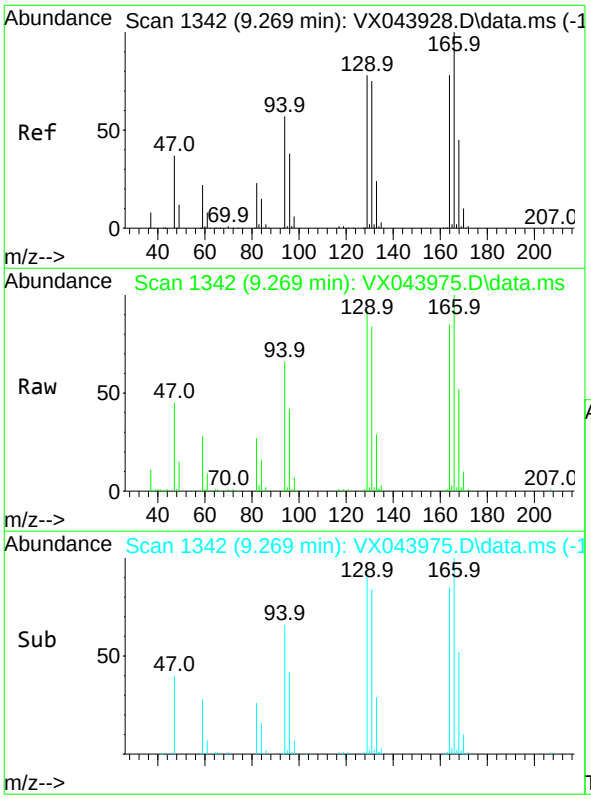
Ion	Ratio	Lower	Upper
117	100		
82	60.5	46.4	69.6
119	32.5	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

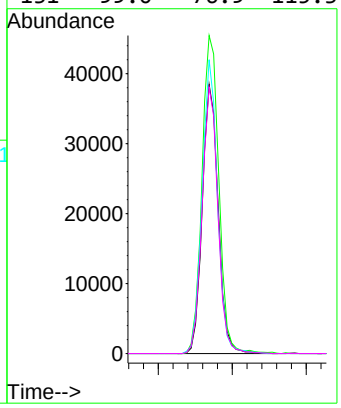
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

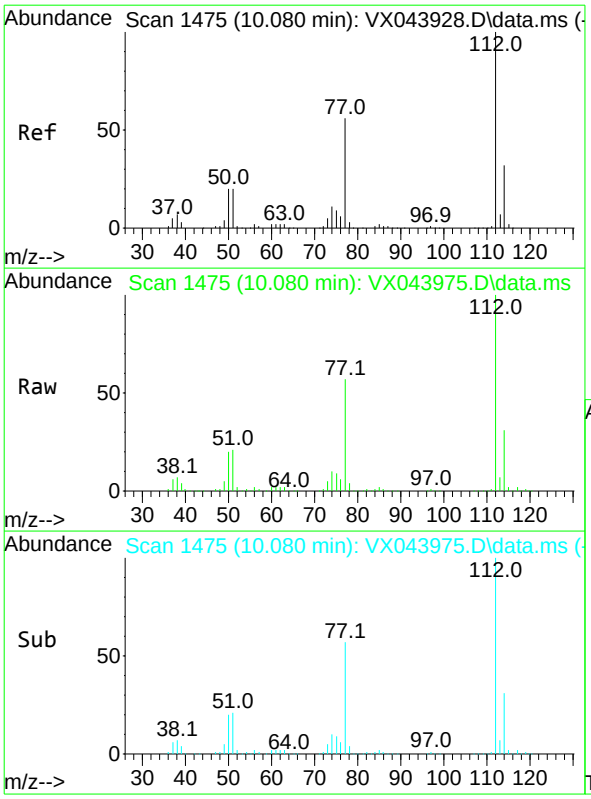


#64
Tetrachloroethene
Concen: 46.307 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:164 Resp: 57495

Ion	Ratio	Lower	Upper
164	100		
166	118.2	102.1	153.1
129	109.2	79.6	119.4
131	99.0	76.9	115.3





#65
Chlorobenzene
Concen: 47.680 ug/l
RT: 10.080 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

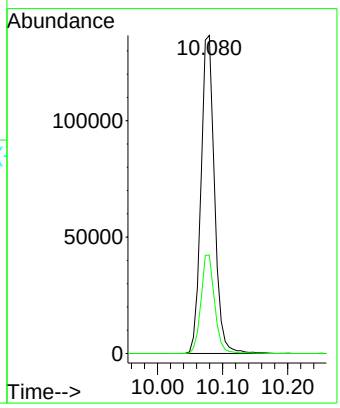
Tgt Ion:112 Resp: 197185

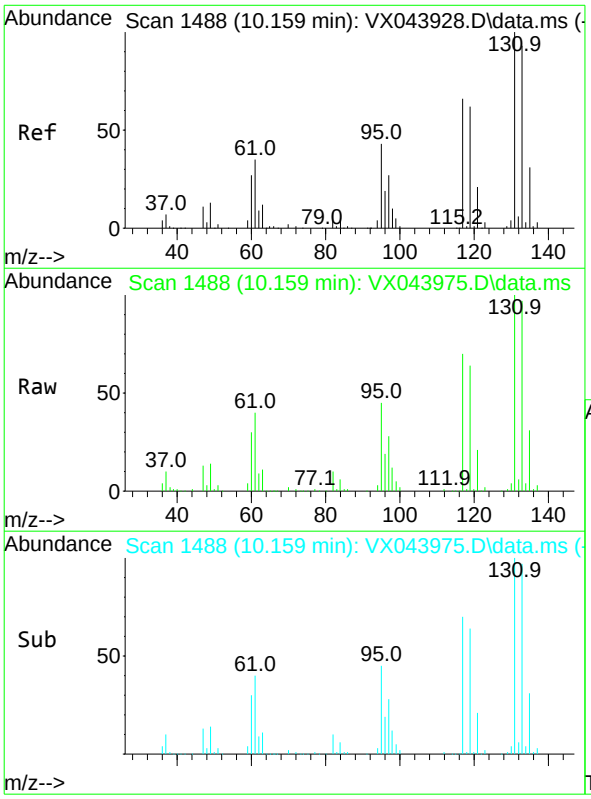
Ion	Ratio	Lower	Upper
112	100		
114	31.0	25.4	38.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

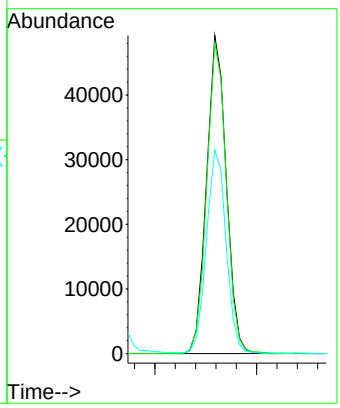


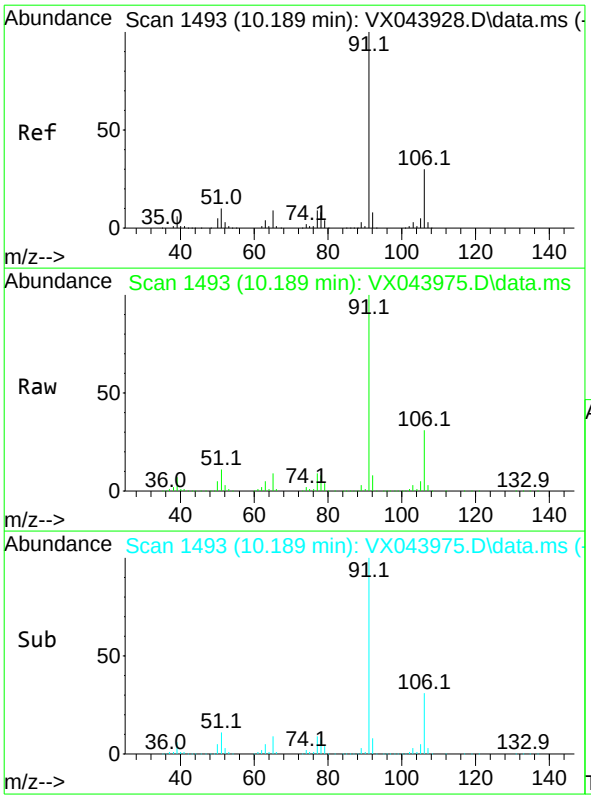


#66
1,1,1,2-Tetrachloroethane
Concen: 49.398 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:131 Resp: 66254

Ion	Ratio	Lower	Upper
131	100		
133	96.9	48.2	144.6
119	64.2	31.5	94.5





#67
Ethyl Benzene
Concen: 48.699 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

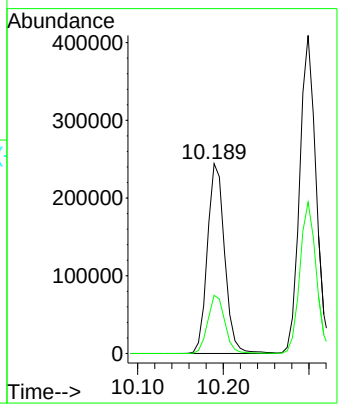
Tgt Ion: 91 Resp: 341272

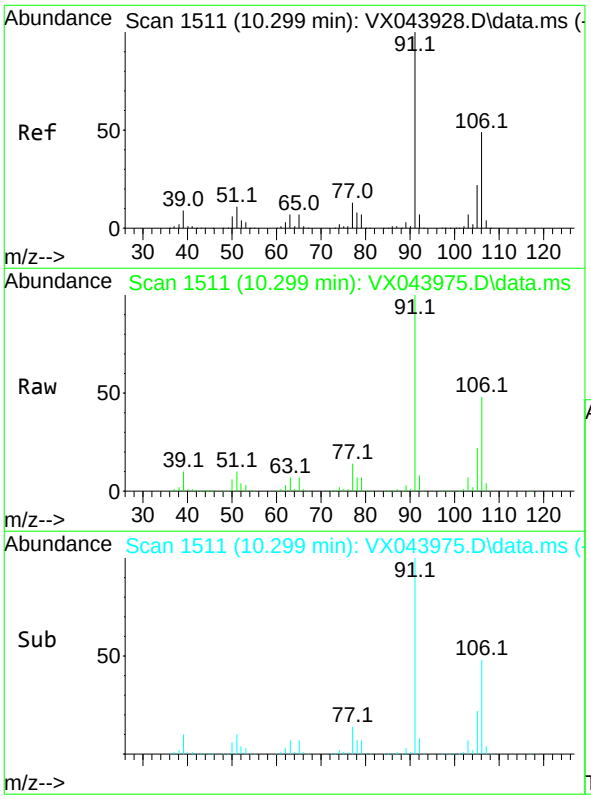
Ion	Ratio	Lower	Upper
91	100		
106	30.6	23.6	35.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

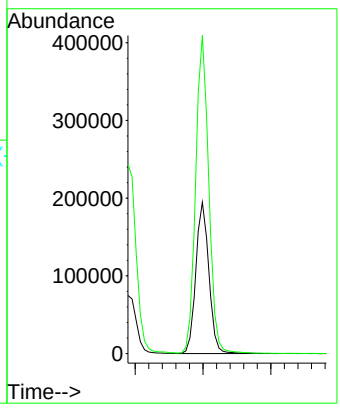


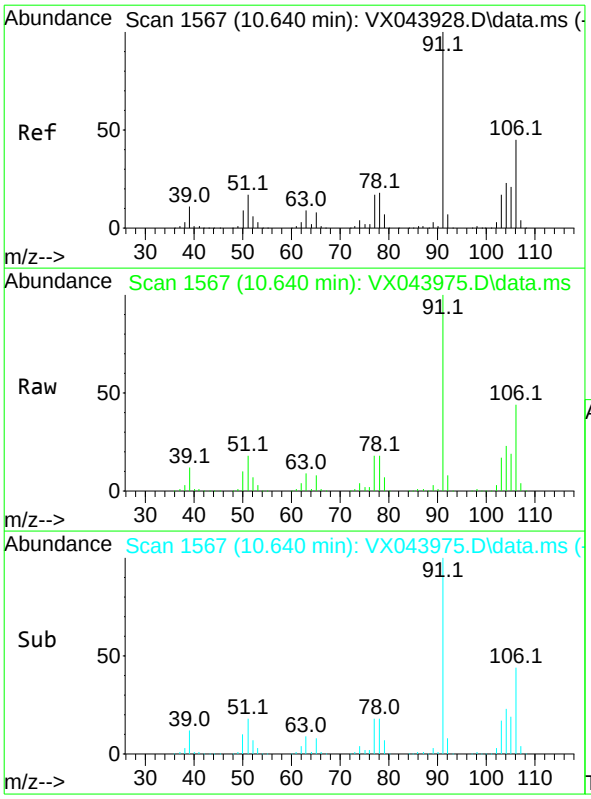


#68
m/p-Xylenes
Concen: 99.287 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:106 Resp: 259471

Ion	Ratio	Lower	Upper
106	100		
91	211.5	168.1	252.1





#69
o-Xylene
Concen: 49.924 ug/l
RT: 10.640 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

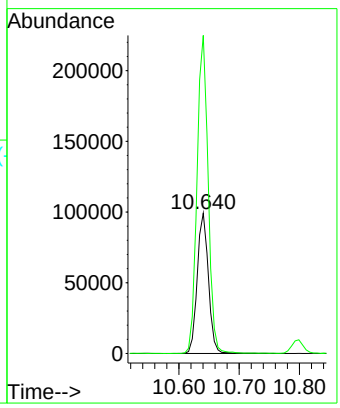
Tgt Ion:106 Resp: 127383

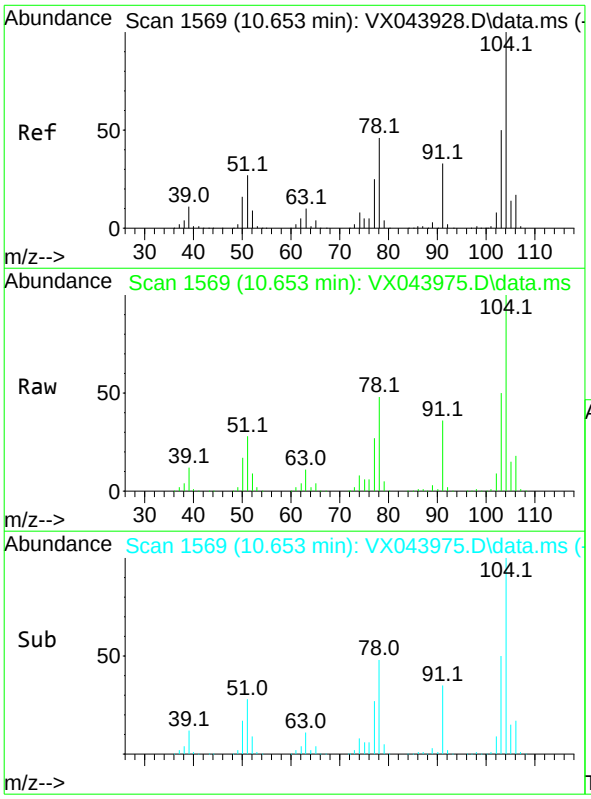
Ion	Ratio	Lower	Upper
106	100		
91	226.5	110.2	330.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

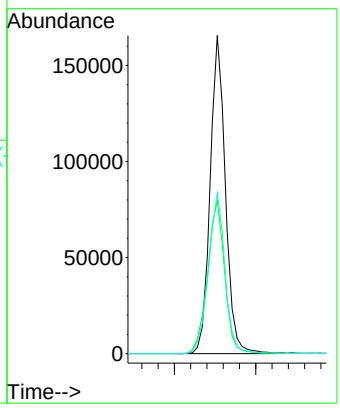


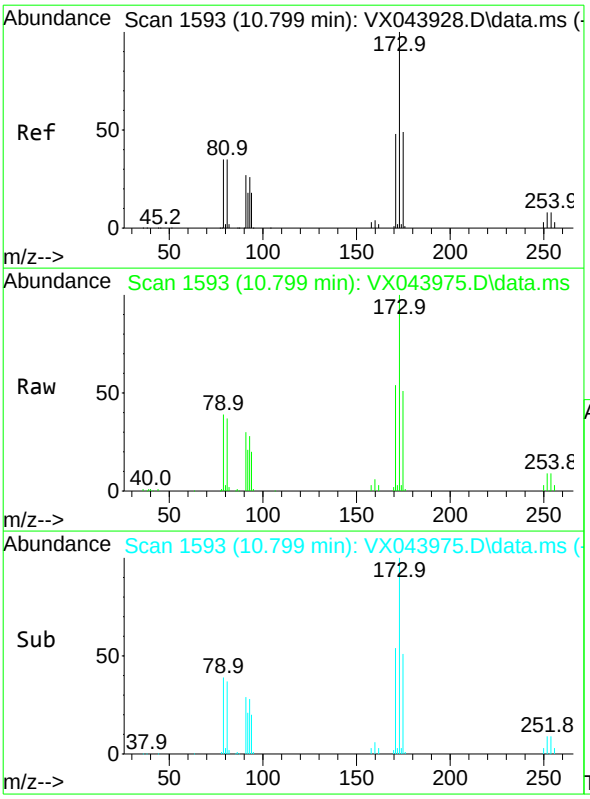


#70
Styrene
Concen: 51.134 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:104 Resp: 215795

Ion	Ratio	Lower	Upper
104	100		
78	54.0	42.2	63.2
103	54.8	44.7	67.1

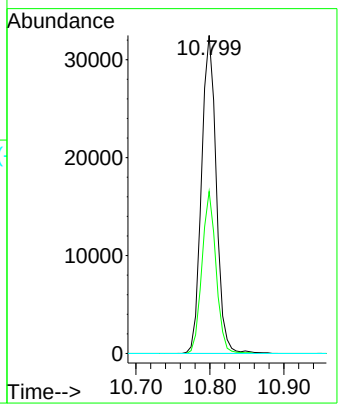




#71
Bromoform
Concen: 44.579 ug/l
RT: 10.799 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:173 Resp: 45026

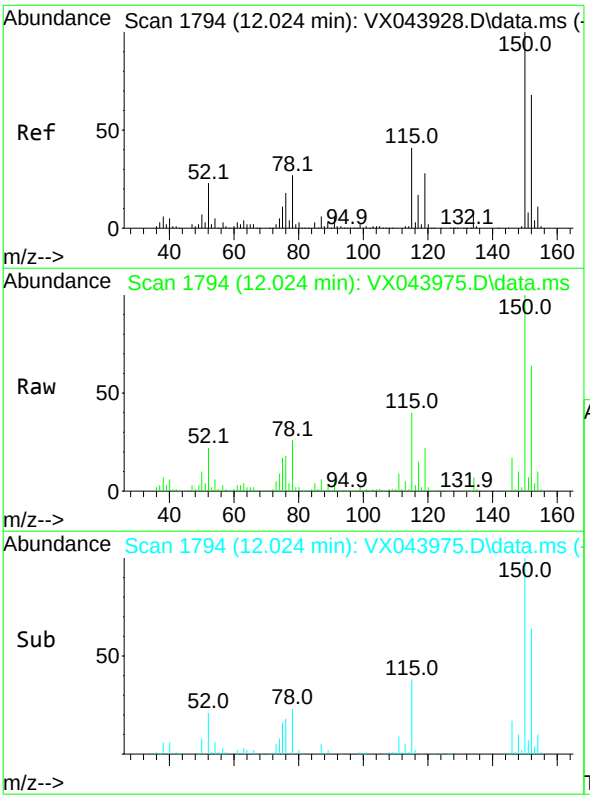
Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.1	72.2
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

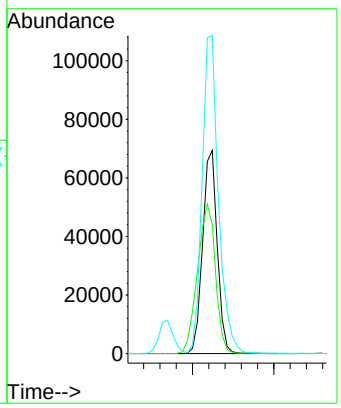
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

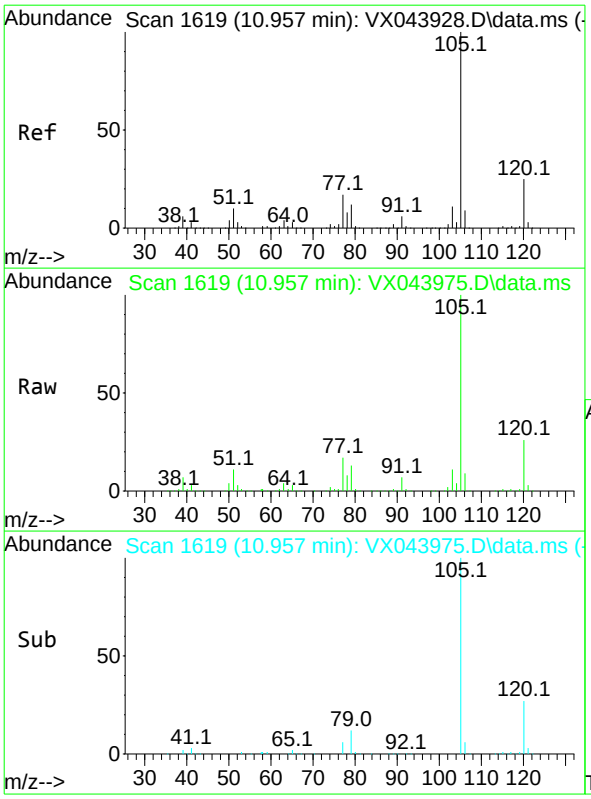


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:152 Resp: 86425

Ion	Ratio	Lower	Upper
152	100		
115	90.5	45.4	136.2
150	174.4	0.0	353.0





#73
Isopropylbenzene
Concen: 49.244 ug/l
RT: 10.957 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

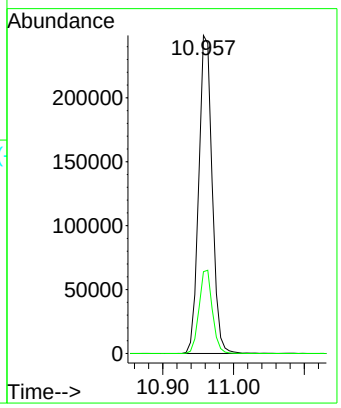
Tgt Ion:105 Resp: 327150

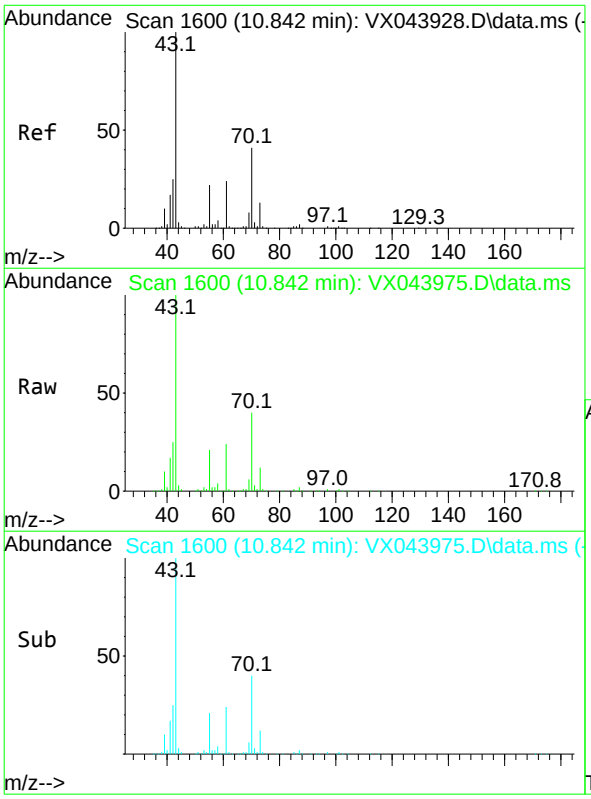
Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.0	38.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

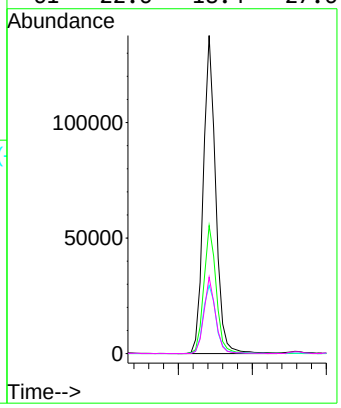


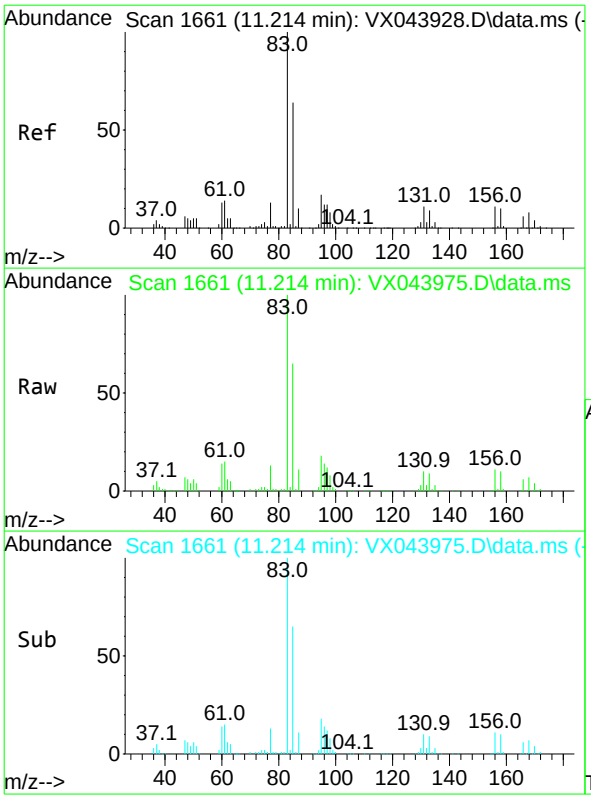


#74
N-amyl acetate
Concen: 51.633 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 43 Resp: 158903

Ion	Ratio	Lower	Upper
43	100		
70	40.4	32.2	48.2
55	22.5	18.1	27.1
61	22.6	18.4	27.6





#75
1,1,2,2-Tetrachloroethane
Concen: 49.312 ug/l
RT: 11.214 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

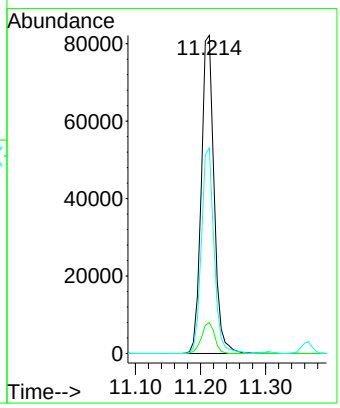
Tgt Ion: 83 Resp: 112173

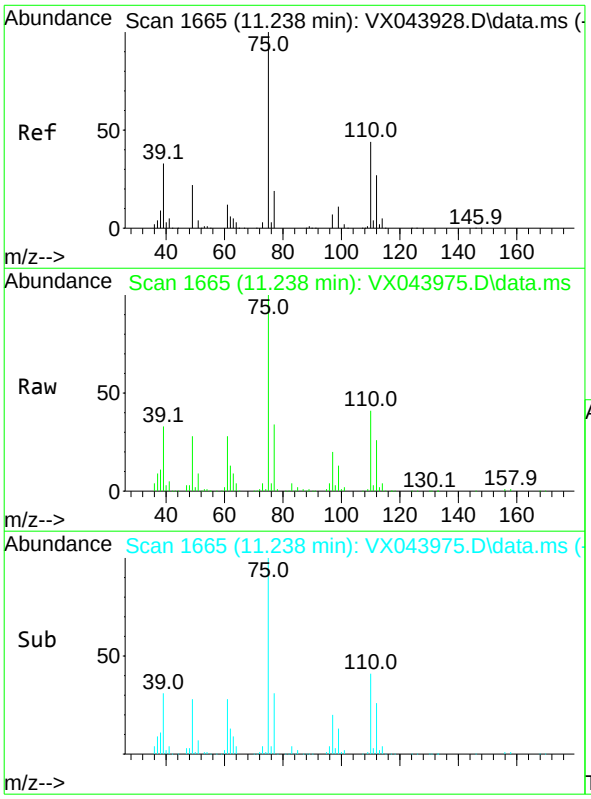
Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.1	15.2
85	63.9	32.2	96.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

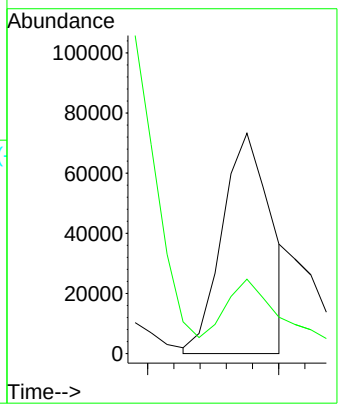


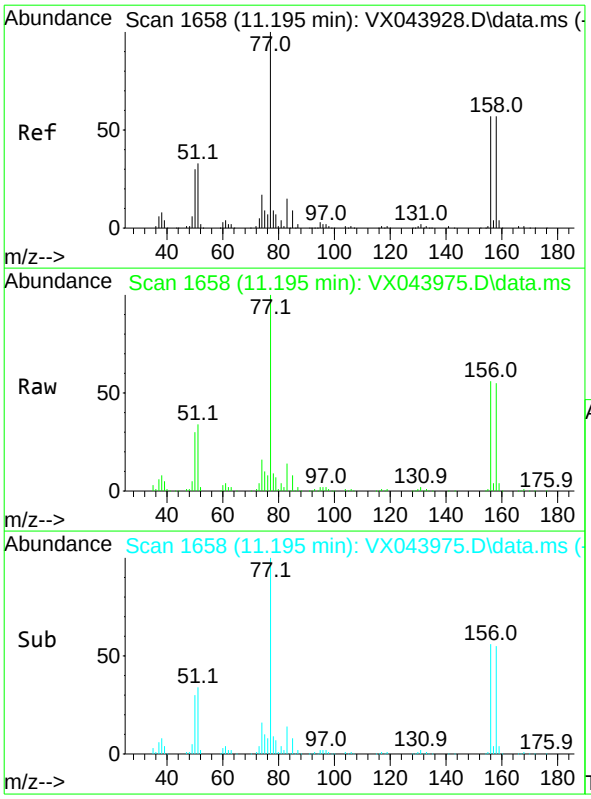


#76
1,2,3-Trichloropropane
Concen: 49.896 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 75 Resp: 94567

Ion	Ratio	Lower	Upper
75	100		
77	41.9	21.8	65.3





#77
Bromobenzene
Concen: 47.990 ug/l
RT: 11.195 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

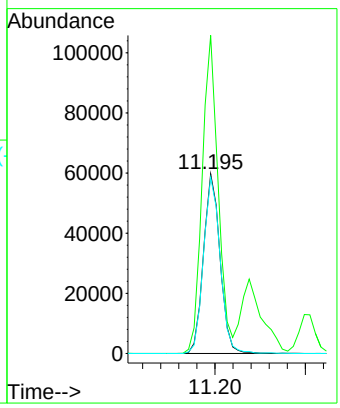
Tgt Ion:156 Resp: 76053

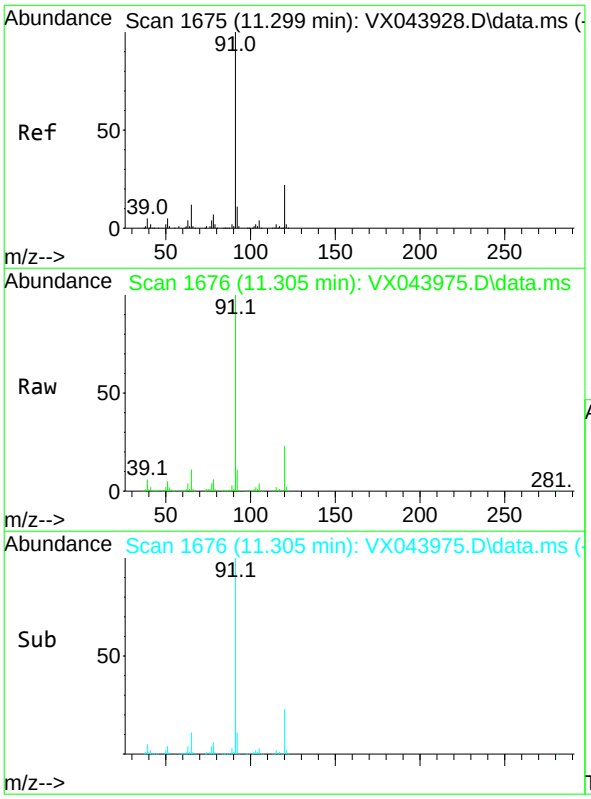
Ion	Ratio	Lower	Upper
156	100		
77	170.8	83.4	250.1
158	99.1	47.6	142.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

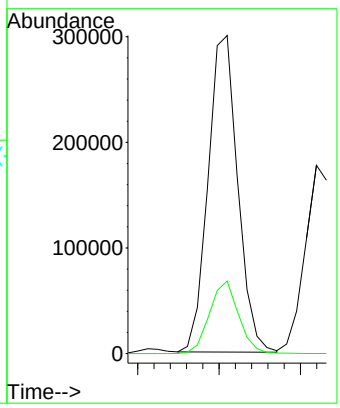


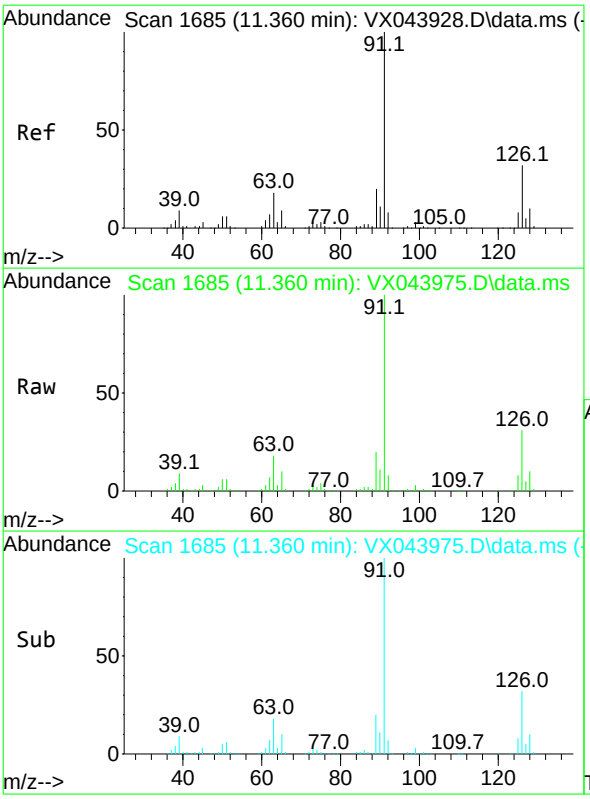


#78
n-propylbenzene
Concen: 51.172 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 91 Resp: 379686

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.5	34.4

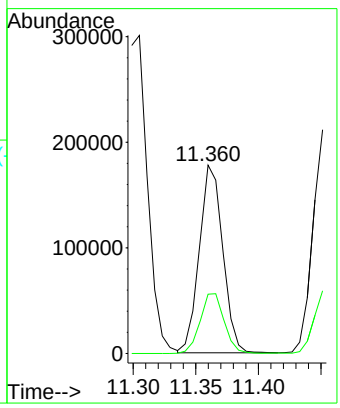




#79
2-Chlorotoluene
Concen: 49.328 ug/l
RT: 11.360 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 91 Resp: 231439

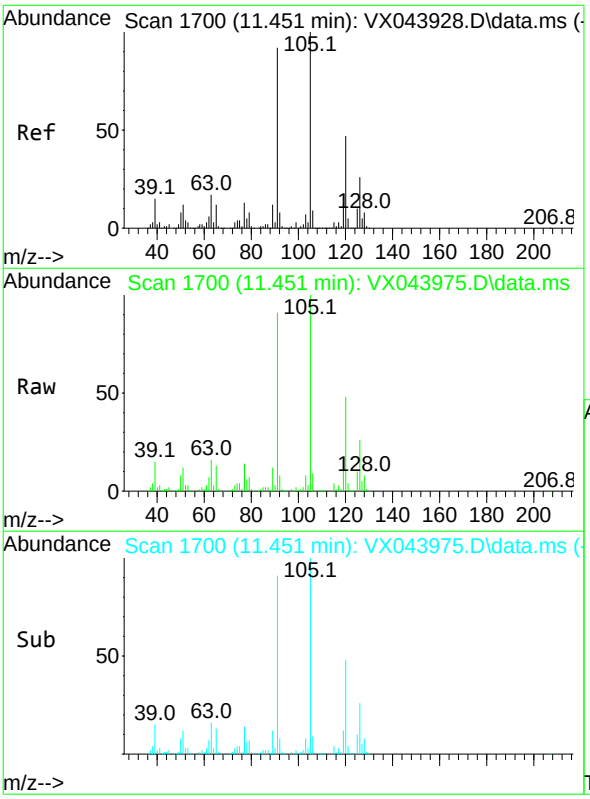
Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.6	49.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

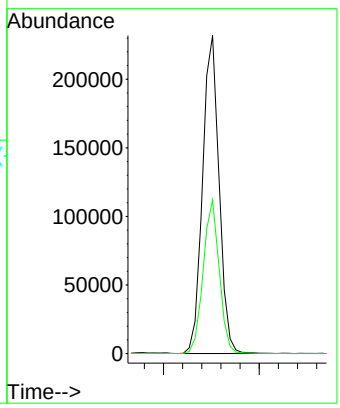
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

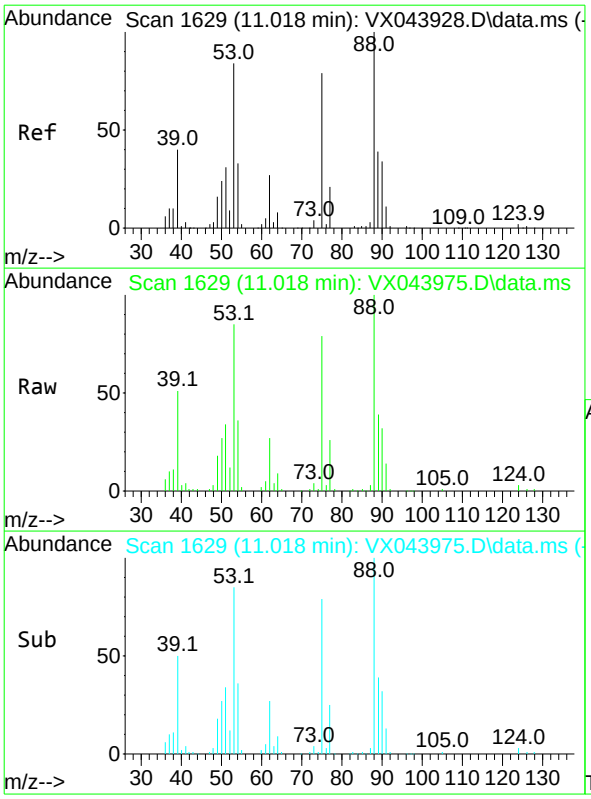


#80
1,3,5-Trimethylbenzene
Concen: 50.803 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:105 Resp: 277669

Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.3	69.8





#81
trans-1,4-Dichloro-2-butene
Concen: 44.087 ug/l
RT: 11.018 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

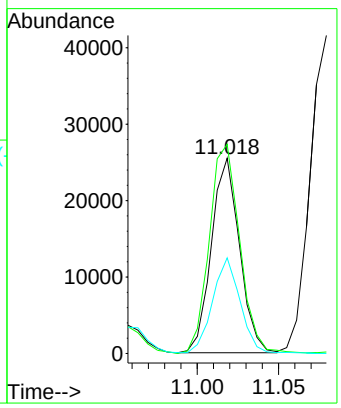
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

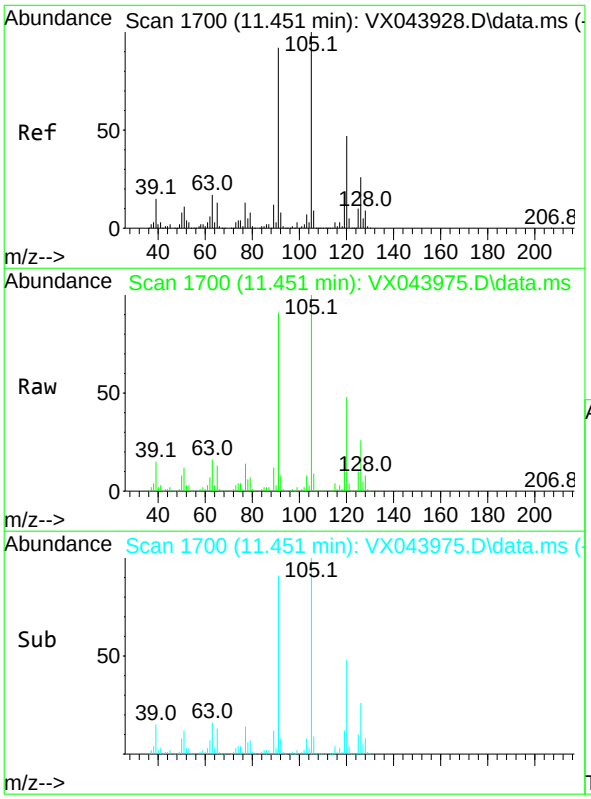
Tgt Ion: 75 Resp: 30621

Ion	Ratio	Lower	Upper
75	100		
53	116.2	86.7	130.1
89	48.4	38.2	57.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

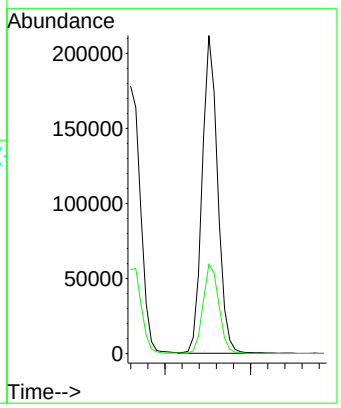


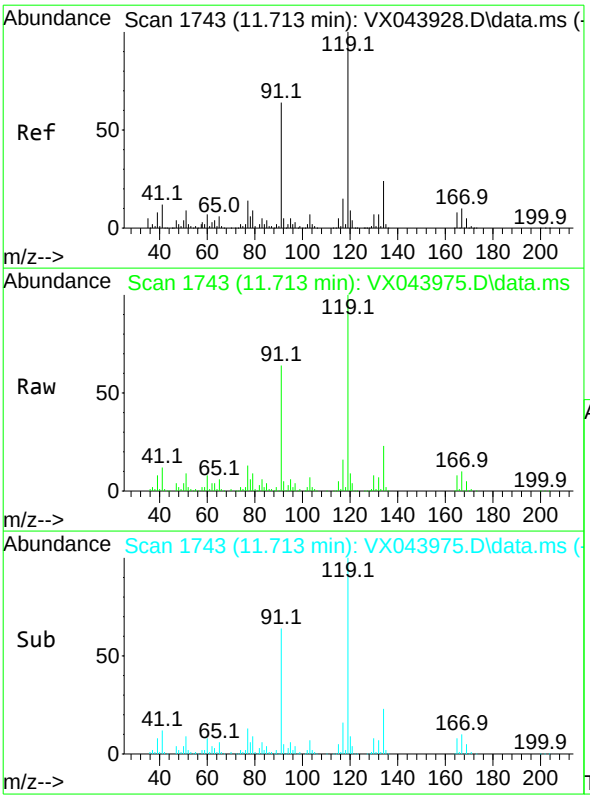


#82
4-Chlorotoluene
Concen: 50.170 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 91 Resp: 265745

Ion	Ratio	Lower	Upper
91	100		
126	28.7	14.3	42.9

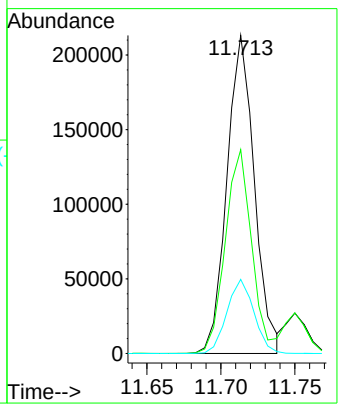




#83
tert-Butylbenzene
Concen: 50.777 ug/l
RT: 11.713 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:119 Resp: 275078

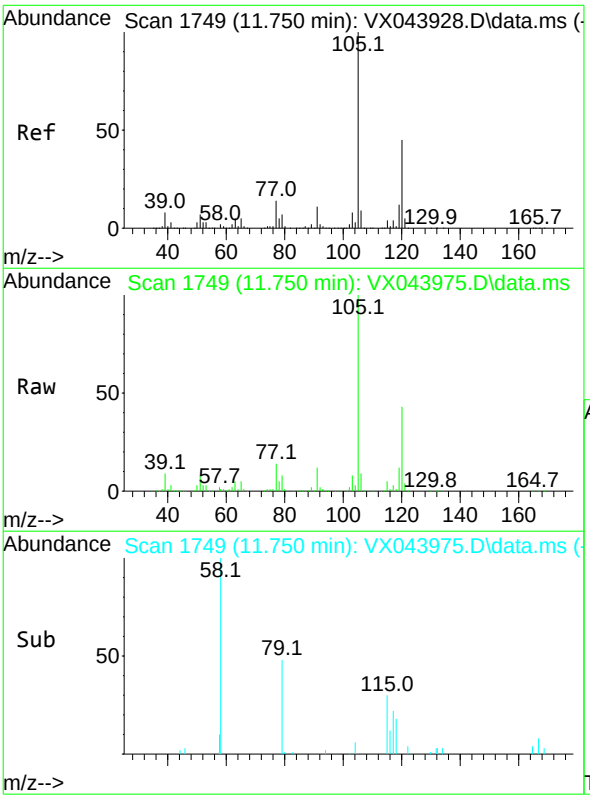
Ion	Ratio	Lower	Upper
119	100		
91	62.3	31.0	93.0
134	22.9	11.6	34.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

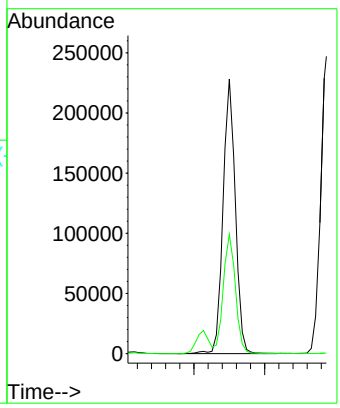
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

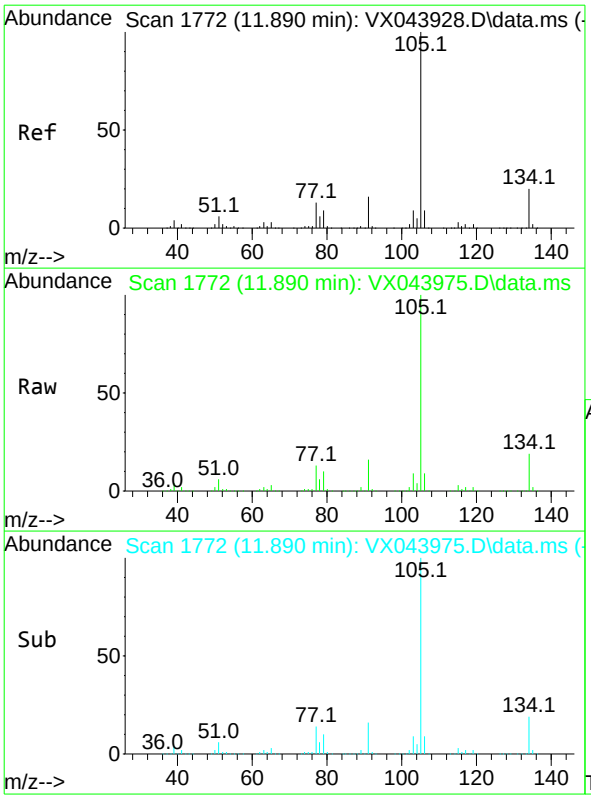


#84
1,2,4-Trimethylbenzene
Concen: 50.446 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:105 Resp: 274500

Ion	Ratio	Lower	Upper
105	100		
120	43.0	21.9	65.7





#85
sec-Butylbenzene
Concen: 49.060 ug/l
RT: 11.890 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

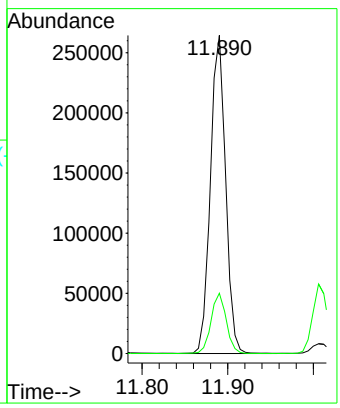
Tgt Ion:105 Resp: 325633

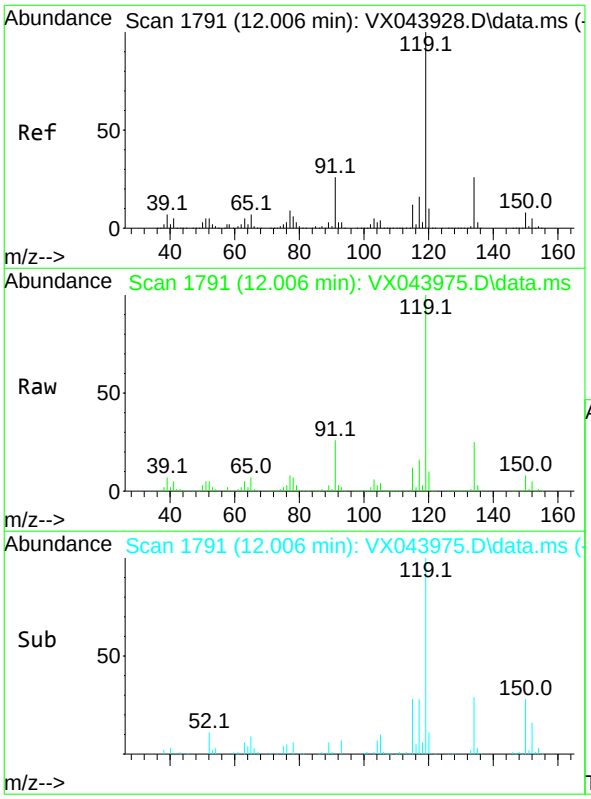
Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.7	29.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

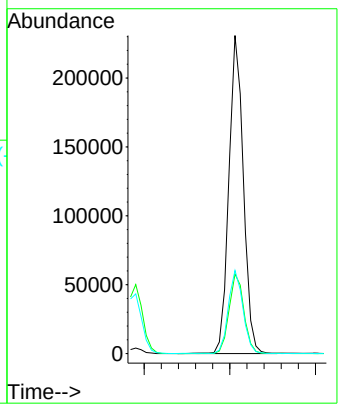


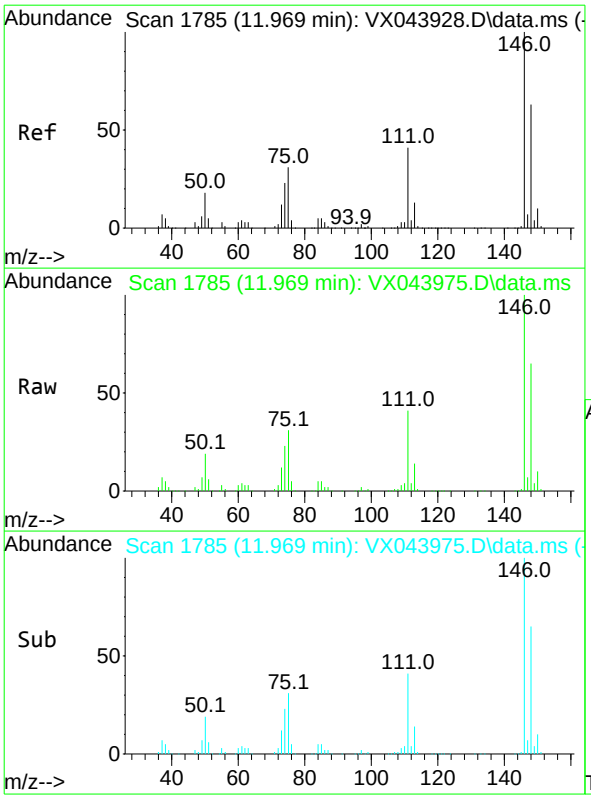


#86
p-Isopropyltoluene
Concen: 50.312 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:119 Resp: 271259

Ion	Ratio	Lower	Upper
119	100		
134	25.6	13.0	38.9
91	26.3	13.0	38.9





#87
1,3-Dichlorobenzene
Concen: 47.044 ug/l
RT: 11.969 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

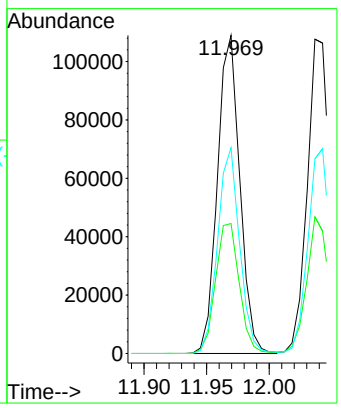
Tgt Ion:146 Resp: 135787

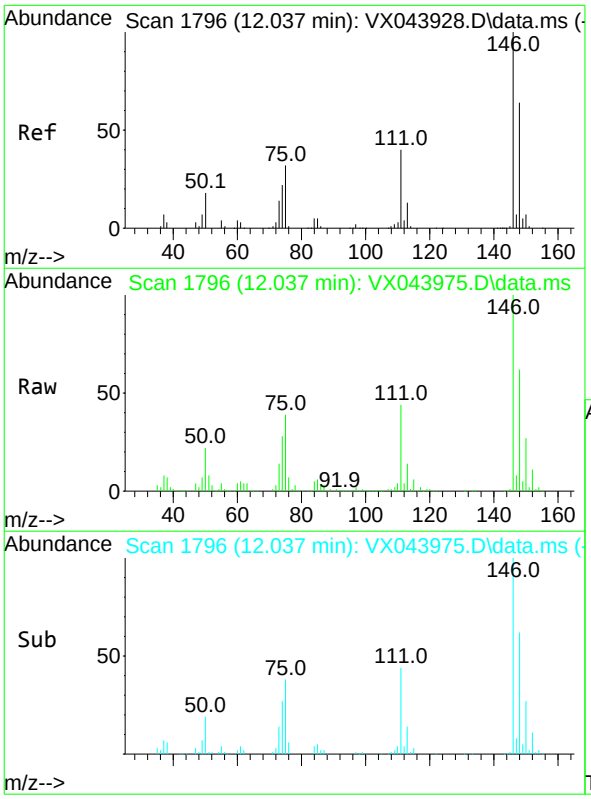
Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.1	63.3
148	63.5	31.7	95.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

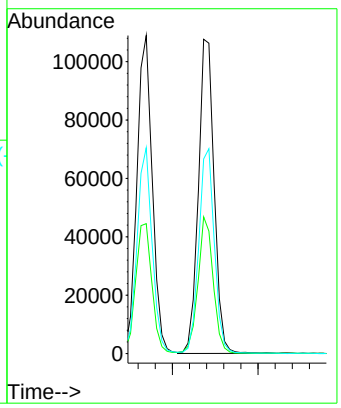


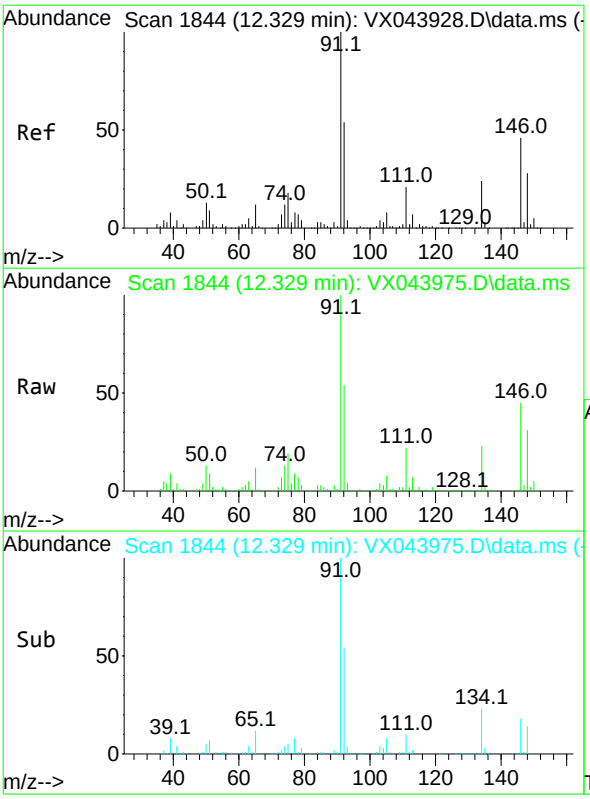


#88
1,4-Dichlorobenzene
Concen: 46.839 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:146 Resp: 137836

Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.1	60.3
148	64.8	30.9	92.8





#89
n-Butylbenzene
Concen: 50.543 ug/l
RT: 12.329 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

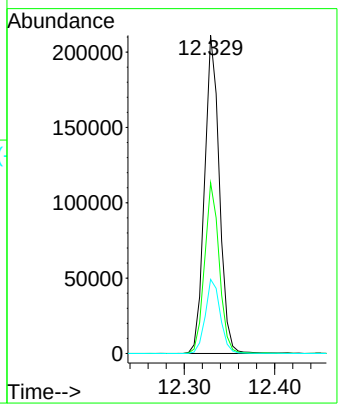
Tgt Ion: 91 Resp: 240255

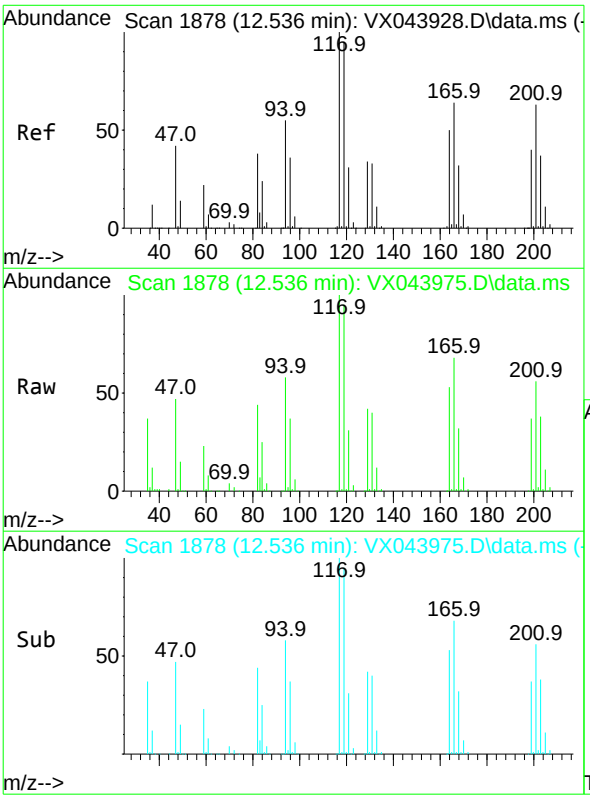
Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.6	79.8
134	23.6	12.4	37.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

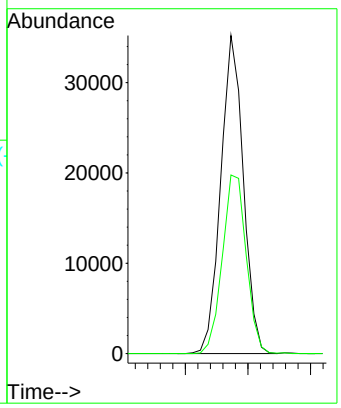


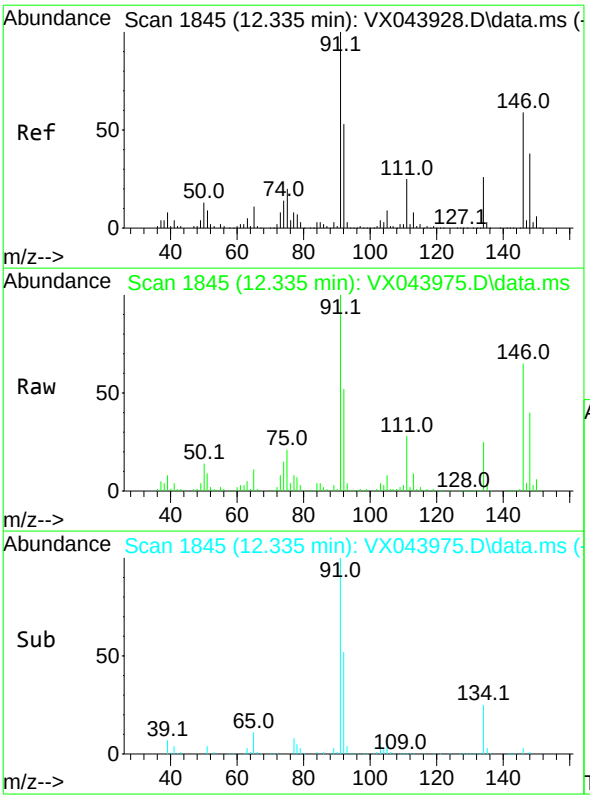


#90
Hexachloroethane
Concen: 48.179 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:117 Resp: 44170

Ion	Ratio	Lower	Upper
117	100		
201	59.5	32.4	97.0

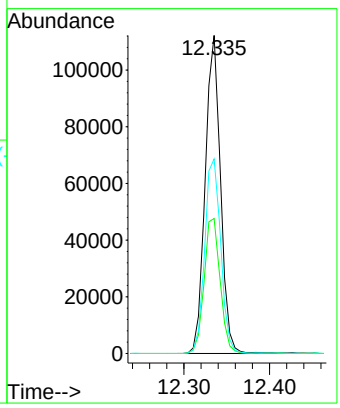




#91
1,2-Dichlorobenzene
Concen: 47.819 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:146 Resp: 139290

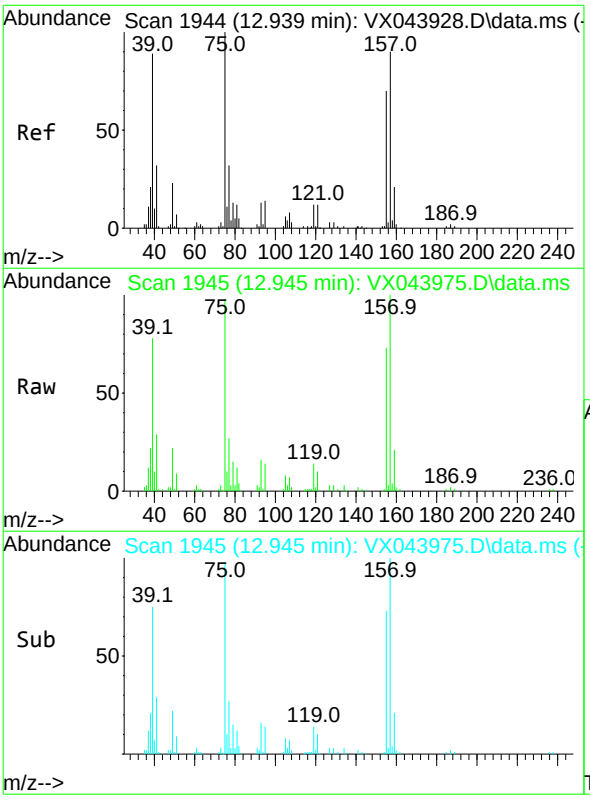
Ion	Ratio	Lower	Upper
146	100		
111	44.4	21.5	64.5
148	64.0	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

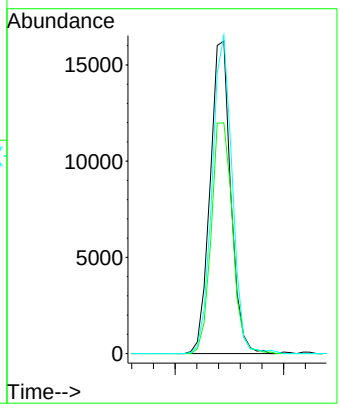
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

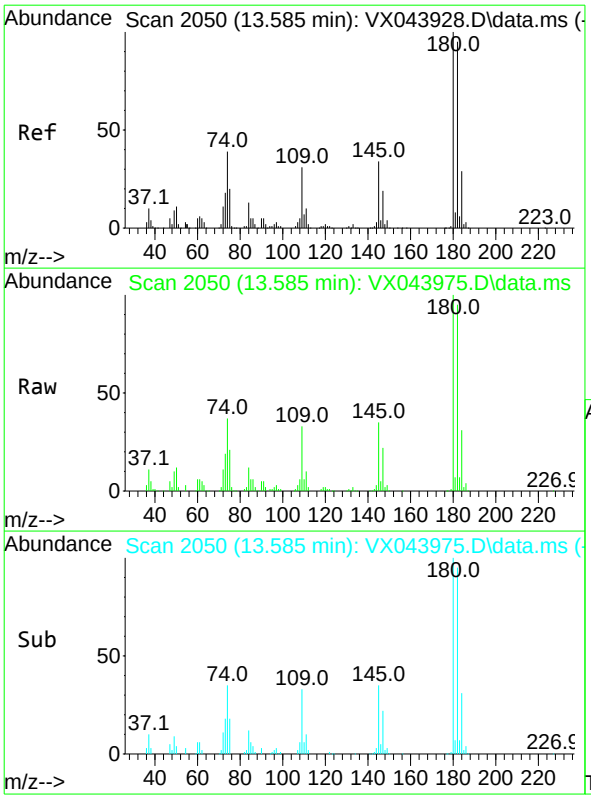


#92
1,2-Dibromo-3-Chloropropane
Concen: 47.196 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 75 Resp: 21512

Ion	Ratio	Lower	Upper
75	100		
155	75.7	40.1	120.2
157	98.5	49.6	149.0





#93
1,2,4-Trichlorobenzene
Concen: 47.087 ug/l
RT: 13.585 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

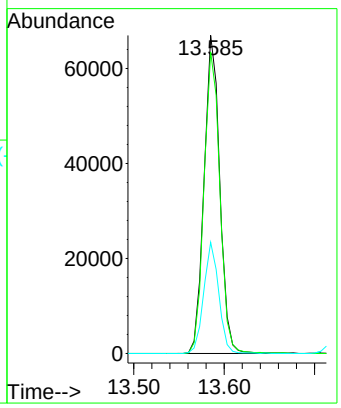
Tgt Ion:180 Resp: 80863

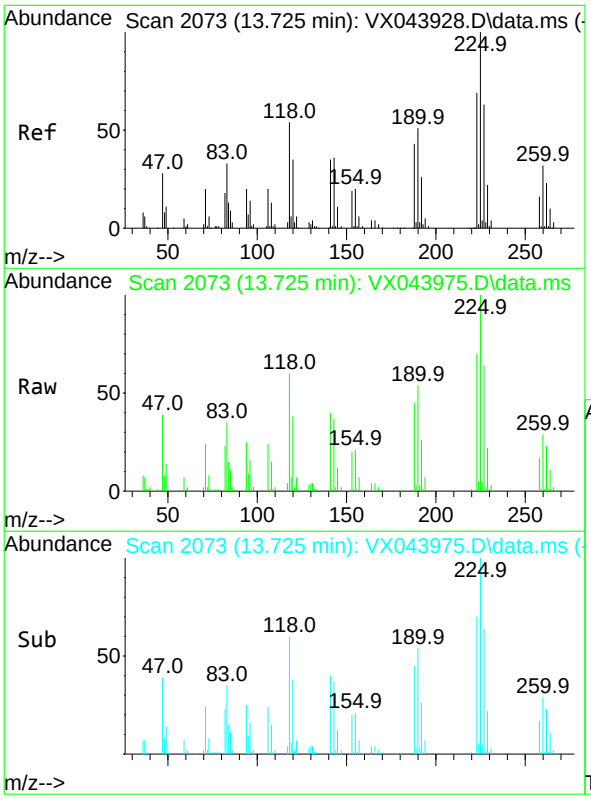
Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.0	144.2
145	33.5	16.8	50.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

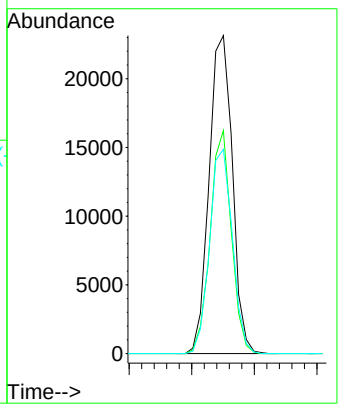


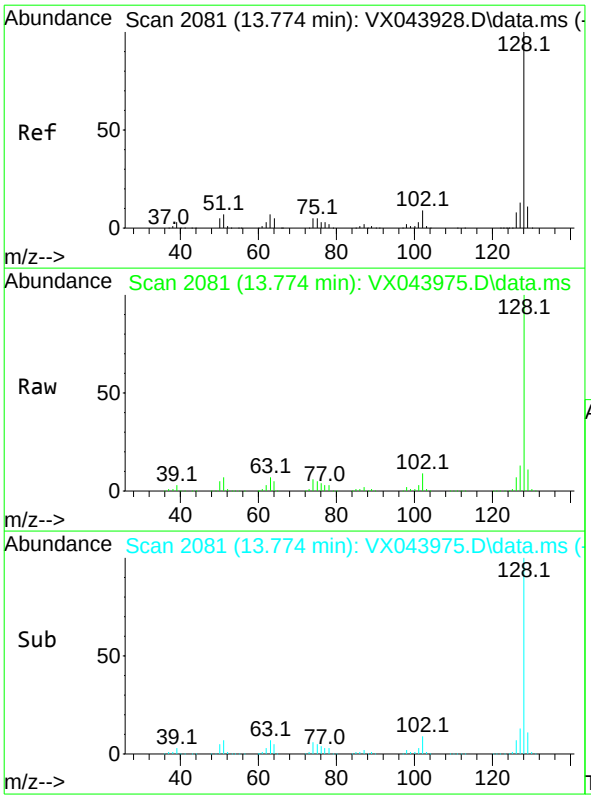


#94
Hexachlorobutadiene
Concen: 43.962 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:225 Resp: 29838

Ion	Ratio	Lower	Upper
225	100		
223	63.9	32.9	98.6
227	63.0	31.6	94.8





#95
Naphthalene
Concen: 50.444 ug/l
RT: 13.774 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

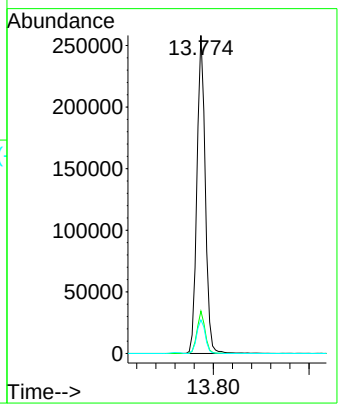
Tgt Ion:128 Resp: 311837

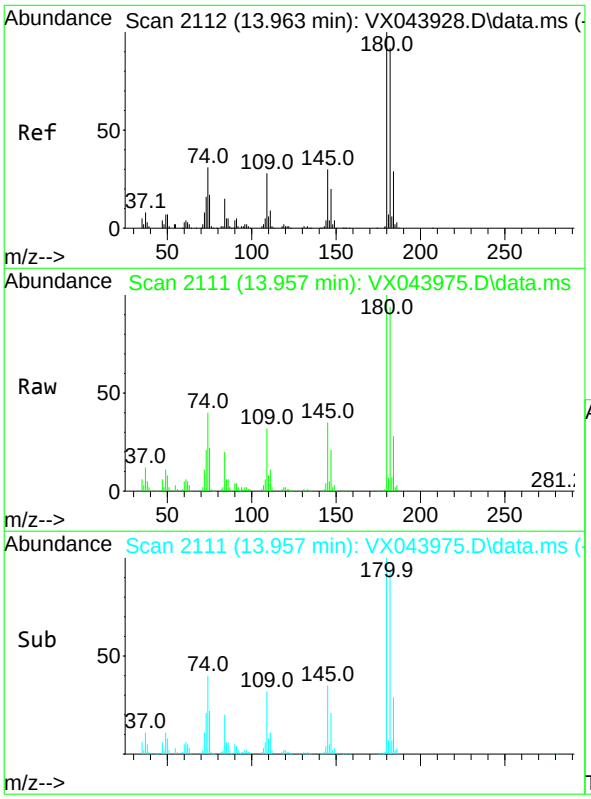
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.8	8.6	12.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

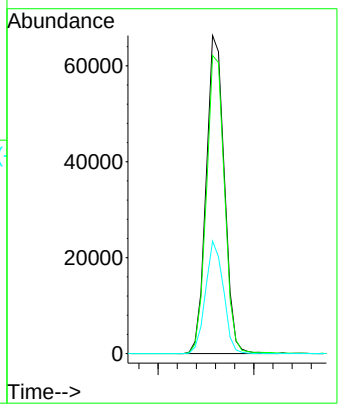




#96
1,2,3-Trichlorobenzene
Concen: 50.266 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:180 Resp: 87371

Ion	Ratio	Lower	Upper
180	100		
182	93.8	45.6	136.8
145	34.8	16.4	49.4



Sample Results: **VX043975.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043975.D
Acq On : 22 Nov 2024 21:05
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 22 22:32:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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	89	0.00
2	T	Dichlorodifluoromethane	0.633	0.553	12.6	72	0.00
3	P	Chloromethane	0.667	0.604	9.4	77	0.00
4	C	Vinyl Chloride	0.709	0.633	10.7#	74	0.00
5	T	Bromomethane	0.436	0.468	-7.3	93	0.00
6	T	Chloroethane	0.432	0.412	4.6	80	0.00
7	T	Trichlorofluoromethane	1.268	1.357	-7.0	89	0.00
8	T	Diethyl Ether	0.462	0.429	7.1	80	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.605	0.544	10.1	73	0.00
10	T	Methyl Iodide	0.755	0.714	5.4	78	0.00
11	T	Tert butyl alcohol	0.138	0.118	14.5	73	0.00
12	CM	1,1-Dichloroethene	0.576	0.528	8.3#	78	0.00
13	T	Acrolein	0.145	0.126	13.1	77	0.00
14	T	Allyl chloride	0.941	0.921	2.1	78	0.00
15	T	Acrylonitrile	0.335	0.316	5.7	76	0.00
16	T	Acetone	0.394	0.292	25.9#	61	0.00
17	T	Carbon Disulfide	1.188	1.034	13.0	71	0.00
18	T	Methyl Acetate	0.917	0.846	7.7	76	0.00
19	T	Methyl tert-butyl Ether	2.092	2.090	0.1	82	0.00
20	T	Methylene Chloride	0.668	0.624	6.6	83	0.00
21	T	trans-1,2-Dichloroethene	0.595	0.569	4.4	80	0.00
22	T	Diisopropyl ether	2.013	2.022	-0.4	83	0.00
23	T	Vinyl Acetate	1.722	1.762	-2.3	81	0.00
24	P	1,1-Dichloroethane	1.161	1.155	0.5	82	0.00
25	T	2-Butanone	0.508	0.453	10.8	71	0.00
26	T	2,2-Dichloropropane	1.049	0.956	8.9	74	0.00
27	T	cis-1,2-Dichloroethene	0.735	0.728	1.0	82	0.00
28	T	Bromochloromethane	0.511	0.513	-0.4	101	0.00
29	T	Tetrahydrofuran	0.312	0.286	8.3	75	0.00
30	C	Chloroform	1.249	1.246	0.2#	84	0.00
31	T	Cyclohexane	0.956	0.884	7.5	75	0.00
32	T	1,1,1-Trichloroethane	1.077	1.102	-2.3	83	0.00
33	S	1,2-Dichloroethane-d4	0.858	0.889	-3.6	105	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	93	0.00
35	S	Dibromofluoromethane	0.357	0.358	-0.3	101	0.00
36	T	1,1-Dichloropropene	0.445	0.431	3.1	81	0.00
37	T	Ethyl Acetate	0.553	0.500	9.6	76	0.00
38	T	Carbon Tetrachloride	0.500	0.488	2.4	81	0.00
39	T	Methylcyclohexane	0.578	0.512	11.4	72	0.00
40	TM	Benzene	1.387	1.324	4.5	82	0.00
41	T	Methacrylonitrile	0.283	0.263	7.1	74	0.01
42	TM	1,2-Dichloroethane	0.557	0.541	2.9	83	0.00
43	T	Isopropyl Acetate	0.880	0.844	4.1	80	0.00
44	TM	Trichloroethene	0.393	0.317	19.3	79	0.00
45	C	1,2-Dichloropropane	0.340	0.329	3.2#	82	0.00
46	T	Dibromomethane	0.269	0.256	4.8	81	0.00
47	T	Bromodichloromethane	0.482	0.474	1.7	81	0.00
48	T	Methyl methacrylate	0.422	0.388	8.1	77	0.00

Sample Results: **VX043975.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043975.D
Acq On : 22 Nov 2024 21:05
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 22 22:32:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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	0.008	0.005	37.5#	61	0.00
50	S	Toluene-d8	1.232	1.216	1.3	102	0.00
51	T	4-Methyl-2-Pentanone	0.537	0.509	5.2	78	0.00
52	CM	Toluene	0.830	0.802	3.4#	81	0.00
53	T	t-1,3-Dichloropropene	0.491	0.480	2.2	78	0.00
54	T	cis-1,3-Dichloropropene	0.539	0.525	2.6	80	0.00
55	T	1,1,2-Trichloroethane	0.343	0.324	5.5	81	0.00
56	T	Ethyl methacrylate	0.534	0.531	0.6	80	0.00
57	T	1,3-Dichloropropane	0.577	0.554	4.0	82	0.00
58	T	2-Chloroethyl Vinyl ether	0.273	0.250	8.4	75	0.00
59	T	2-Hexanone	0.403	0.376	6.7	74	0.00
60	T	Dibromochloromethane	0.344	0.327	4.9	76	0.00
61	T	1,2-Dibromoethane	0.346	0.340	1.7	82	0.00
62	S	4-Bromofluorobenzene	0.419	0.417	0.5	100	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	89	0.00
64	T	Tetrachloroethene	0.330	0.305	7.6	78	0.00
65	PM	Chlorobenzene	1.098	1.047	4.6	81	0.00
66	T	1,1,1,2-Tetrachloroethane	0.356	0.352	1.1	79	0.00
67	C	Ethyl Benzene	1.861	1.812	2.6#	79	0.00
68	T	m/p-Xylenes	0.694	0.689	0.7	80	0.00
69	T	o-Xylene	0.678	0.676	0.3	79	0.00
70	T	Styrene	1.121	1.146	-2.2	81	0.00
71	P	Bromoform	0.240	0.239	0.4	75	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	86	0.00
73	T	Isopropylbenzene	3.843	3.785	1.5	80	0.00
74	T	N-amyl acetate	1.780	1.839	-3.3	79	0.00
75	P	1,1,2,2-Tetrachloroethane	1.316	1.298	1.4	80	0.00
76	T	1,2,3-Trichloropropane	1.096	1.094	0.2	80	0.00
77	T	Bromobenzene	0.917	0.880	4.0	78	0.00
78	T	n-propylbenzene	4.293	4.393	-2.3	80	0.00
79	T	2-Chlorotoluene	2.714	2.678	1.3	81	0.00
80	T	1,3,5-Trimethylbenzene	3.162	3.213	-1.6	80	0.00
81	T	trans-1,4-Dichloro-2-butene	0.402	0.354	11.9	69	0.00
82	T	4-Chlorotoluene	3.064	3.075	-0.4	80	0.00
83	T	tert-Butylbenzene	3.134	3.183	-1.6	80	0.00
84	T	1,2,4-Trimethylbenzene	3.148	3.176	-0.9	80	0.00
85	T	sec-Butylbenzene	3.840	3.768	1.9	76	0.00
86	T	p-Isopropyltoluene	3.119	3.139	-0.6	77	0.00
87	T	1,3-Dichlorobenzene	1.670	1.571	5.9	77	0.00
88	T	1,4-Dichlorobenzene	1.702	1.595	6.3	77	0.00
89	T	n-Butylbenzene	2.750	2.780	-1.1	75	0.00
90	T	Hexachloroethane	0.530	0.511	3.6	75	0.00
91	T	1,2-Dichlorobenzene	1.685	1.612	4.3	79	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.264	0.249	5.7	76	0.00
93	T	1,2,4-Trichlorobenzene	0.994	0.936	5.8	74	0.00
94	T	Hexachlorobutadiene	0.393	0.345	12.2	72	0.00
95	T	Naphthalene	3.576	3.608	-0.9	78	0.00

Sample Results: **VX043975.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043975.D
Acq On : 22 Nov 2024 21:05
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 22 22:32:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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	1.006	1.011	-0.5	78	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Evaluate Continuing Calibration Report

Sample Results: **VX043975.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043975.D
Acq On : 22 Nov 2024 21:05
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 22 22:32:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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	89	0.00
2	T	Dichlorodifluoromethane	50.000	43.686	12.6	72	0.00
3	P	Chloromethane	50.000	45.274	9.5	77	0.00
4	C	Vinyl Chloride	50.000	44.612	10.8#	74	0.00
5	T	Bromomethane	50.000	53.679	-7.4	93	0.00
6	T	Chloroethane	50.000	47.709	4.6	80	0.00
7	T	Trichlorofluoromethane	50.000	53.528	-7.1	89	0.00
8	T	Diethyl Ether	50.000	46.443	7.1	80	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	44.966	10.1	73	0.00
10	T	Methyl Iodide	50.000	47.250	5.5	78	0.00
11	T	Tert butyl alcohol	250.000	215.043	14.0	73	0.00
12	CM	1,1-Dichloroethene	50.000	45.800	8.4#	78	0.00
13	T	Acrolein	250.000	217.457	13.0	77	0.00
14	T	Allyl chloride	50.000	48.923	2.2	78	0.00
15	T	Acrylonitrile	250.000	235.443	5.8	76	0.00
16	T	Acetone	250.000	185.644	25.7#	61	0.00
17	T	Carbon Disulfide	50.000	43.508	13.0	71	0.00
18	T	Methyl Acetate	50.000	46.099	7.8	76	0.00
19	T	Methyl tert-butyl Ether	50.000	49.964	0.1	82	0.00
20	T	Methylene Chloride	50.000	46.692	6.6	83	0.00
21	T	trans-1,2-Dichloroethene	50.000	47.861	4.3	80	0.00
22	T	Diisopropyl ether	50.000	50.212	-0.4	83	0.00
23	T	Vinyl Acetate	250.000	255.744	-2.3	81	0.00
24	P	1,1-Dichloroethane	50.000	49.748	0.5	82	0.00
25	T	2-Butanone	250.000	222.822	10.9	71	0.00
26	T	2,2-Dichloropropane	50.000	45.557	8.9	74	0.00
27	T	cis-1,2-Dichloroethene	50.000	49.483	1.0	82	0.00
28	T	Bromochloromethane	50.000	50.141	-0.3	101	0.00
29	T	Tetrahydrofuran	250.000	229.176	8.3	75	0.00
30	C	Chloroform	50.000	49.881	0.2#	84	0.00
31	T	Cyclohexane	50.000	46.218	7.6	75	0.00
32	T	1,1,1-Trichloroethane	50.000	51.132	-2.3	83	0.00
33	S	1,2-Dichloroethane-d4	50.000	51.858	-3.7	105	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	93	0.00
35	S	Dibromofluoromethane	50.000	50.113	-0.2	101	0.00
36	T	1,1-Dichloropropene	50.000	48.403	3.2	81	0.00
37	T	Ethyl Acetate	50.000	45.245	9.5	76	0.00
38	T	Carbon Tetrachloride	50.000	48.766	2.5	81	0.00
39	T	Methylcyclohexane	50.000	44.283	11.4	72	0.00
40	TM	Benzene	50.000	47.732	4.5	82	0.00
41	T	Methacrylonitrile	50.000	46.538	6.9	74	0.01
42	TM	1,2-Dichloroethane	50.000	48.527	2.9	83	0.00
43	T	Isopropyl Acetate	50.000	48.002	4.0	80	0.00
44	TM	Trichloroethene	50.000	40.354	19.3	79	0.00
45	C	1,2-Dichloropropane	50.000	48.373	3.3#	82	0.00
46	T	Dibromomethane	50.000	47.608	4.8	81	0.00
47	T	Bromodichloromethane	50.000	49.233	1.5	81	0.00
48	T	Methyl methacrylate	50.000	45.987	8.0	77	0.00

Sample Results: **VX043975.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043975.D
Acq On : 22 Nov 2024 21:05
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 22 22:32:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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	708.970	29.1#	61	0.00
50	S	Toluene-d8	50.000	49.385	1.2	102	0.00
51	T	4-Methyl-2-Pentanone	250.000	237.028	5.2	78	0.00
52	CM	Toluene	50.000	48.314	3.4#	81	0.00
53	T	t-1,3-Dichloropropene	50.000	48.867	2.3	78	0.00
54	T	cis-1,3-Dichloropropene	50.000	48.756	2.5	80	0.00
55	T	1,1,2-Trichloroethane	50.000	47.244	5.5	81	0.00
56	T	Ethyl methacrylate	50.000	49.720	0.6	80	0.00
57	T	1,3-Dichloropropane	50.000	48.020	4.0	82	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	213.469	14.6	75	0.00
59	T	2-Hexanone	250.000	233.298	6.7	74	0.00
60	T	Dibromochloromethane	50.000	47.547	4.9	76	0.00
61	T	1,2-Dibromoethane	50.000	49.118	1.8	82	0.00
62	S	4-Bromofluorobenzene	50.000	49.694	0.6	100	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	89	0.00
64	T	Tetrachloroethene	50.000	46.307	7.4	78	0.00
65	PM	Chlorobenzene	50.000	47.680	4.6	81	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.398	1.2	79	0.00
67	C	Ethyl Benzene	50.000	48.699	2.6#	79	0.00
68	T	m/p-Xylenes	100.000	99.287	0.7	80	0.00
69	T	o-Xylene	50.000	49.924	0.2	79	0.00
70	T	Styrene	50.000	51.134	-2.3	81	0.00
71	P	Bromoform	50.000	44.579	10.8	75	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	86	0.00
73	T	Isopropylbenzene	50.000	49.244	1.5	80	0.00
74	T	N-amyl acetate	50.000	51.633	-3.3	79	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.312	1.4	80	0.00
76	T	1,2,3-Trichloropropane	50.000	49.896	0.2	80	0.00
77	T	Bromobenzene	50.000	47.990	4.0	78	0.00
78	T	n-propylbenzene	50.000	51.172	-2.3	80	0.00
79	T	2-Chlorotoluene	50.000	49.328	1.3	81	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.803	-1.6	80	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	44.087	11.8	69	0.00
82	T	4-Chlorotoluene	50.000	50.170	-0.3	80	0.00
83	T	tert-Butylbenzene	50.000	50.777	-1.6	80	0.00
84	T	1,2,4-Trimethylbenzene	50.000	50.446	-0.9	80	0.00
85	T	sec-Butylbenzene	50.000	49.060	1.9	76	0.00
86	T	p-Isopropyltoluene	50.000	50.312	-0.6	77	0.00
87	T	1,3-Dichlorobenzene	50.000	47.044	5.9	77	0.00
88	T	1,4-Dichlorobenzene	50.000	46.839	6.3	77	0.00
89	T	n-Butylbenzene	50.000	50.543	-1.1	75	0.00
90	T	Hexachloroethane	50.000	48.179	3.6	75	0.00
91	T	1,2-Dichlorobenzene	50.000	47.819	4.4	79	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	47.196	5.6	76	0.00
93	T	1,2,4-Trichlorobenzene	50.000	47.087	5.8	74	0.00
94	T	Hexachlorobutadiene	50.000	43.962	12.1	72	0.00
95	T	Naphthalene	50.000	50.444	-0.9	78	0.00

Sample Results: **VX043975.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043975.D
Acq On : 22 Nov 2024 21:05
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 22 22:32:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	50.266	-0.5	78	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VX043977.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4846 SAS No.: P4846 SDG No.: P4846

Instrument ID: MSVOA_X Calibration Date/Time: 11/25/2024 11:27

Lab File ID: VX043977.D Init. Calib. Date(s): 11/21/2024 11/21/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:47 12:03

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.633	0.589		-6.95	20
Chloromethane	0.667	0.624	0.1	-6.45	20
Vinyl Chloride	0.709	0.656		-7.47	20
Bromomethane	0.436	0.450		3.21	20
Chloroethane	0.432	0.419		-3.01	20
Trichlorofluoromethane	1.268	1.137		-10.33	20
1,1,2-Trichlorotrifluoroethane	0.605	0.576		-4.79	20
1,1-Dichloroethene	0.576	0.531		-7.81	20
Acetone	0.394	0.361		-8.38	20
Carbon Disulfide	1.188	1.050		-11.62	20
Methyl tert-butyl Ether	2.092	2.024		-3.25	20
Methyl Acetate	0.917	0.854		-6.87	20
Methylene Chloride	0.668	0.625		-6.44	20
trans-1,2-Dichloroethene	0.595	0.560		-5.88	20
1,1-Dichloroethane	1.161	1.131	0.1	-2.58	20
Cyclohexane	0.956	0.884		-7.53	20
2-Butanone	0.508	0.480		-5.51	20
Carbon Tetrachloride	0.500	0.507		1.4	20
cis-1,2-Dichloroethene	0.735	0.712		-3.13	20
Bromochloromethane	0.511	0.489		-4.3	20
Chloroform	1.249	1.232		-1.36	20
1,1,1-Trichloroethane	1.077	1.056		-1.95	20
Methylcyclohexane	0.578	0.553		-4.32	20
Benzene	1.387	1.357		-2.16	20
1,2-Dichloroethane	0.557	0.546		-1.98	20
Trichloroethene	0.393	0.334		-15.01	20
1,2-Dichloropropane	0.340	0.339		-0.29	20
Bromodichloromethane	0.482	0.500		3.73	20
4-Methyl-2-Pentanone	0.537	0.513		-4.47	20
Toluene	0.830	0.830		0	20
t-1,3-Dichloropropene	0.491	0.507		3.26	20
cis-1,3-Dichloropropene	0.539	0.543		0.74	20
1,1,2-Trichloroethane	0.343	0.336		-2.04	20
2-Hexanone	0.403	0.390		-3.23	20
Dibromochloromethane	0.344	0.356		3.49	20
1,2-Dibromoethane	0.346	0.344		-0.58	20
Tetrachloroethene	0.330	0.331		0.3	20
Chlorobenzene	1.098	1.081	0.3	-1.55	20

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

Raw Data: **VX043977.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4846 SAS No.: P4846 SDG No.: P4846

Instrument ID: MSVOA_X Calibration Date/Time: 11/25/2024 11:27

Lab File ID: VX043977.D Init. Calib. Date(s): 11/21/2024 11/21/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:47 12:03

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.861	1.882		1.13	20
m/p-Xylenes	0.694	0.706		1.73	20
o-Xylene	0.678	0.678		0	20
Styrene	1.121	1.173		4.64	20
Bromoform	0.240	0.248	0.1	3.33	20
Isopropylbenzene	3.843	3.702		-3.67	20
1,1,2,2-Tetrachloroethane	1.316	1.246	0.3	-5.32	20
1,3-Dichlorobenzene	1.670	1.624		-2.75	20
1,4-Dichlorobenzene	1.702	1.617		-4.99	20
1,2-Dichlorobenzene	1.685	1.638		-2.79	20
1,2-Dibromo-3-Chloropropane	0.264	0.243		-7.95	20
1,2,4-Trichlorobenzene	0.994	0.954		-4.02	20
1,2,3-Trichlorobenzene	1.006	0.977		-2.88	20
1,2-Dichloroethane-d4	0.858	0.840		-2.1	20
Dibromofluoromethane	0.357	0.360		0.84	20
Toluene-d8	1.232	1.227		-0.41	20
4-Bromofluorobenzene	0.419	0.426		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.

Sample Results: **VX043977.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043977.D
Acq On : 25 Nov 2024 11:27
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 26 00:43:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	132560	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.750	114	232543	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	196596	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	94886	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	111407	49.000	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.000%			
35) Dibromofluoromethane	5.373	113	83636	50.333	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.660%			
50) Toluene-d8	8.646	98	285275	49.805	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.620%			
62) 4-Bromofluorobenzene	11.079	95	98993	50.783	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.560%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	78031	46.466	ug/l	97
3) Chloromethane	1.294	50	82659	46.775	ug/l	100
4) Vinyl Chloride	1.373	62	86898	46.231	ug/l	97
5) Bromomethane	1.593	94	59627	51.566	ug/l	100
6) Chloroethane	1.666	64	55513	48.469	ug/l	98
7) Trichlorofluoromethane	1.867	101	150681	44.839	ug/l	98
8) Diethyl Ether	2.129	74	57910	47.280	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.318	101	76375	47.646	ug/l	99
10) Methyl Iodide	2.440	142	95686	47.795	ug/l	98
11) Tert butyl alcohol	2.995	59	80418	220.360	ug/l	99
12) 1,1-Dichloroethene	2.306	96	70387	46.080	ug/l	97
13) Acrolein	2.233	56	86322	224.411	ug/l	98
14) Allyl chloride	2.654	41	117463	47.063	ug/l	98
15) Acrylonitrile	3.062	53	212767	239.244	ug/l	98
16) Acetone	2.379	43	239021	228.890	ug/l	99
17) Carbon Disulfide	2.501	76	139122	44.155	ug/l	97
18) Methyl Acetate	2.702	43	113156	46.531	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	268289	48.373	ug/l	98
20) Methylene Chloride	2.782	84	82791	46.719	ug/l	98
21) trans-1,2-Dichloroethene	3.080	96	74174	47.034	ug/l	99
22) Diisopropyl ether	3.757	45	262616	49.207	ug/l	97
23) Vinyl Acetate	3.714	43	1133947	248.374	ug/l	99
24) 1,1-Dichloroethane	3.605	63	149933	48.697	ug/l	100
25) 2-Butanone	4.556	43	318432	236.327	ug/l	100
26) 2,2-Dichloropropane	4.464	77	131754	47.384	ug/l	100
27) cis-1,2-Dichloroethene	4.476	96	94434	48.444	ug/l	98
28) Bromochloromethane	4.891	49	64856	47.856	ug/l	99
29) Tetrahydrofuran	5.001	42	192450	232.975	ug/l	98
30) Chloroform	5.086	83	163376	49.337	ug/l	93
31) Cyclohexane	5.458	56	117118	46.218	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	139993	49.023	ug/l	99
36) 1,1-Dichloropropene	5.684	75	101514	49.026	ug/l	98
37) Ethyl Acetate	4.708	43	118947	46.278	ug/l	98
38) Carbon Tetrachloride	5.671	117	117996	50.716	ug/l	99
39) Methylcyclohexane	7.372	83	128697	47.843	ug/l	96
40) Benzene	6.031	78	315624	48.936	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043977.D
Acq On : 25 Nov 2024 11:27
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 26 00:43:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.915	41	63274	48.098 ug/l	95
42) 1,2-Dichloroethane	6.080	62	126975	49.018 ug/l	98
43) Isopropyl Acetate	6.336	43	197344	48.245 ug/l	99
44) Trichloroethene	7.116	130	77683	42.546 ug/l	94
45) 1,2-Dichloropropane	7.427	63	78811	49.890 ug/l	96
46) Dibromomethane	7.573	93	62964	50.387 ug/l	98
47) Bromodichloromethane	7.817	83	116299	51.893 ug/l	99
48) Methyl methacrylate	7.689	41	94692	48.244 ug/l	98
49) 1,4-Dioxane	7.665	88	30394	869.321 ug/l #	83
51) 4-Methyl-2-Pentanone	8.573	43	596153	238.823 ug/l	100
52) Toluene	8.713	92	193103	50.022 ug/l	100
53) t-1,3-Dichloropropene	8.976	75	117928	51.600 ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	126204	50.373 ug/l	98
55) 1,1,2-Trichloroethane	9.146	97	78203	49.075 ug/l	98
56) Ethyl methacrylate	9.116	69	122941	49.531 ug/l	99
57) 1,3-Dichloropropane	9.305	76	133878	49.872 ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	308826	226.771 ug/l	99
59) 2-Hexanone	9.427	43	453330	241.619 ug/l	100
60) Dibromochloromethane	9.518	129	82843	51.814 ug/l	99
61) 1,2-Dibromoethane	9.610	107	79994	49.645 ug/l	98
64) Tetrachloroethene	9.268	164	64988	50.133 ug/l	98
65) Chlorobenzene	10.079	112	212422	49.197 ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.158	131	73082	52.189 ug/l	98
67) Ethyl Benzene	10.189	91	369929	50.561 ug/l	99
68) m/p-Xylenes	10.299	106	277477	101.696 ug/l	100
69) o-Xylene	10.640	106	133377	50.067 ug/l	97
70) Styrene	10.652	104	230674	52.353 ug/l	99
71) Bromoform	10.798	173	48701	46.066 ug/l #	97
73) Isopropylbenzene	10.957	105	351294	48.163 ug/l	100
74) N-amyl acetate	10.841	43	163405	48.361 ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	118187	47.323 ug/l	99
76) 1,2,3-Trichloropropane	11.237	75	98609m	47.389 ug/l	
77) Bromobenzene	11.195	156	84168	48.374 ug/l	98
78) n-propylbenzene	11.304	91	406428	49.892 ug/l	99
79) 2-Chlorotoluene	11.359	91	246237	47.802 ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	298167	49.689 ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	35040	45.951 ug/l	97
82) 4-Chlorotoluene	11.451	91	282543	48.585 ug/l	99
83) tert-Butylbenzene	11.713	119	292877	49.242 ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	298636	49.987 ug/l	99
85) sec-Butylbenzene	11.890	105	362725	49.775 ug/l	100
86) p-Isopropyltoluene	12.006	119	306406	51.764 ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	154082	48.622 ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	153444	47.493 ug/l	98
89) n-Butylbenzene	12.329	91	266108	50.989 ug/l	100
90) Hexachloroethane	12.536	117	48961	48.643 ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	155387	48.588 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	23083	46.127 ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	90486	47.992 ug/l	98
94) Hexachlorobutadiene	13.725	225	36196	48.575 ug/l	97
95) Naphthalene	13.774	128	334769	49.325 ug/l	99
96) 1,2,3-Trichlorobenzene	13.956	180	92716	48.584 ug/l	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043977.D
Acq On : 25 Nov 2024 11:27
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 26 00:43:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

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

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

Sample Results: **VX043977.D**

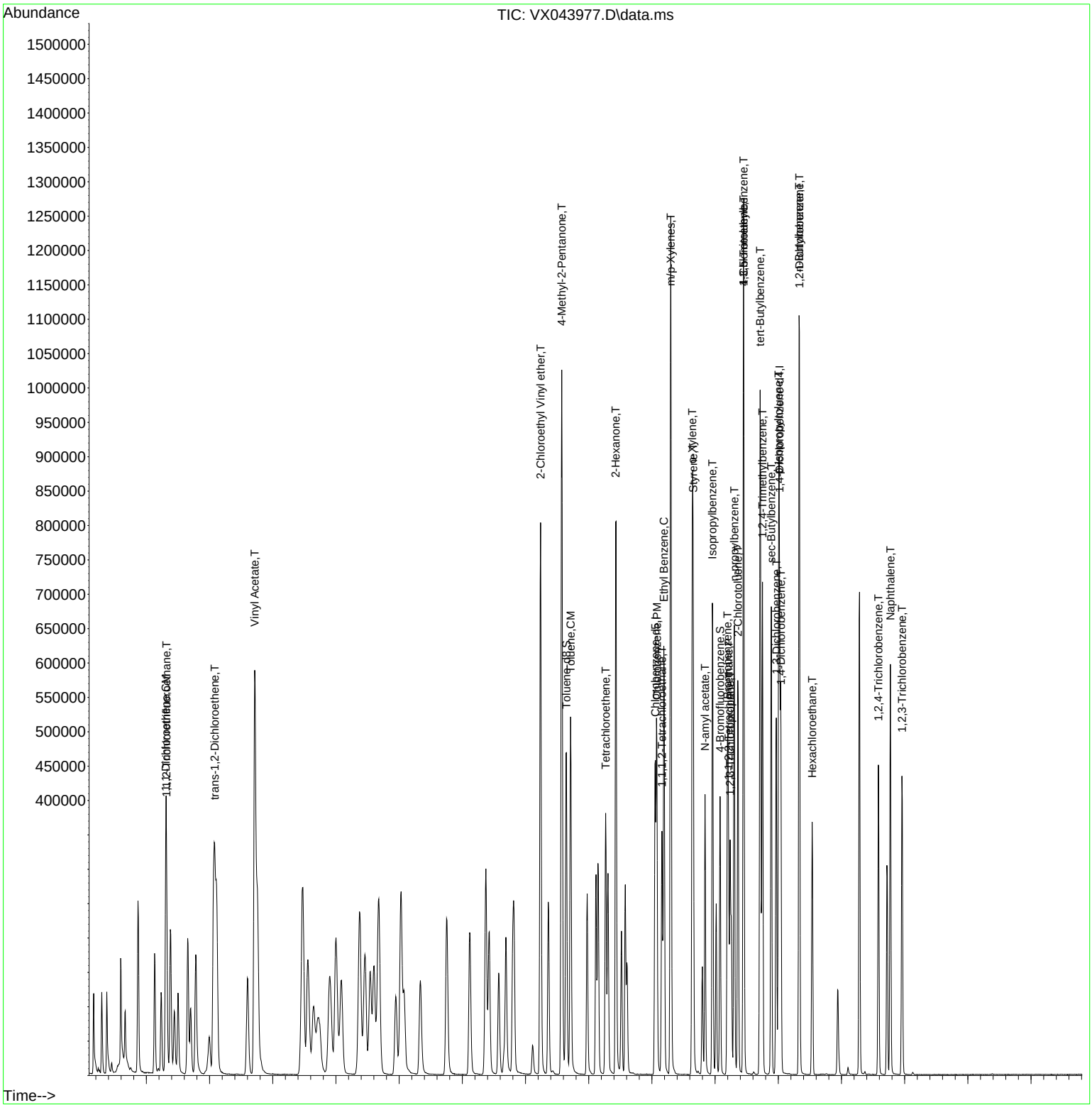
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043977.D
Acq On : 25 Nov 2024 11:27
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

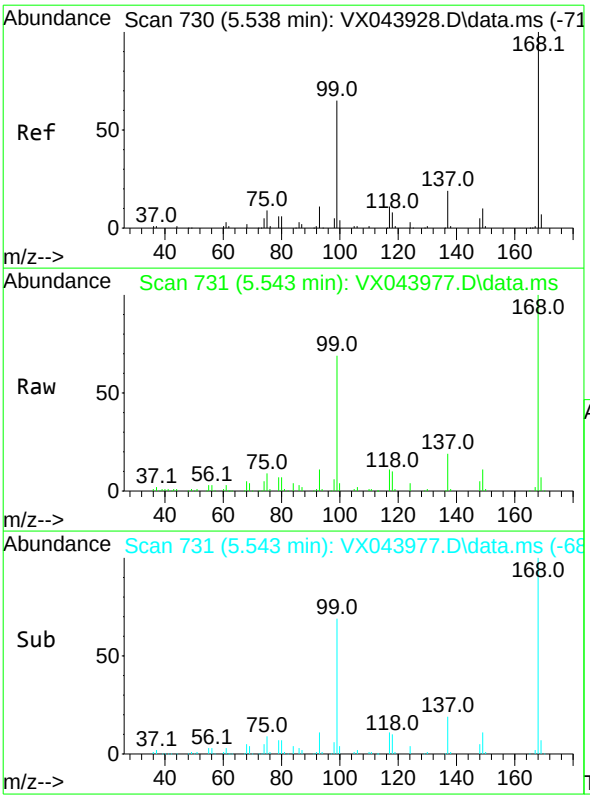
Quant Time: Nov 26 00:43:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

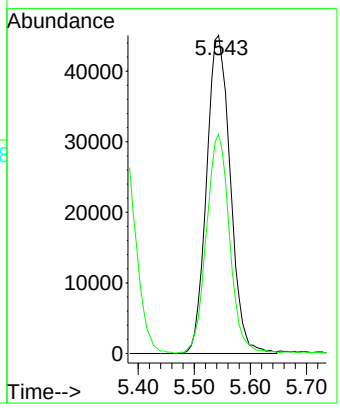




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 73
Delta R.T. 0.005 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:168 Resp: 132560

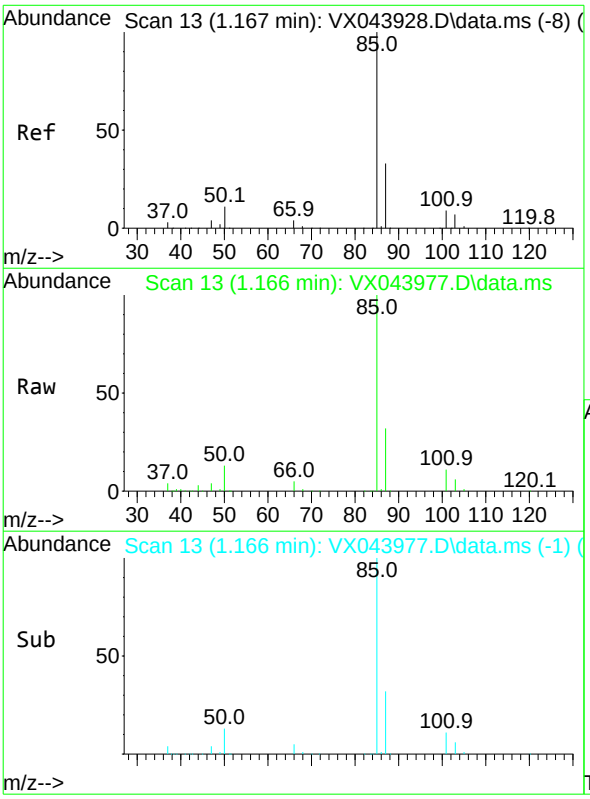
Ion	Ratio	Lower	Upper
168	100		
99	68.7	51.8	77.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

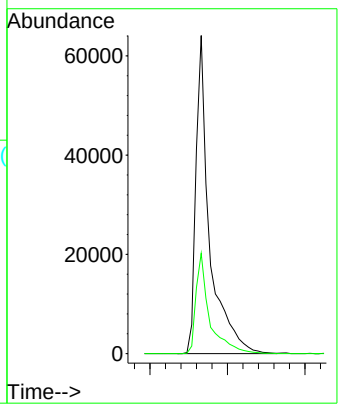
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

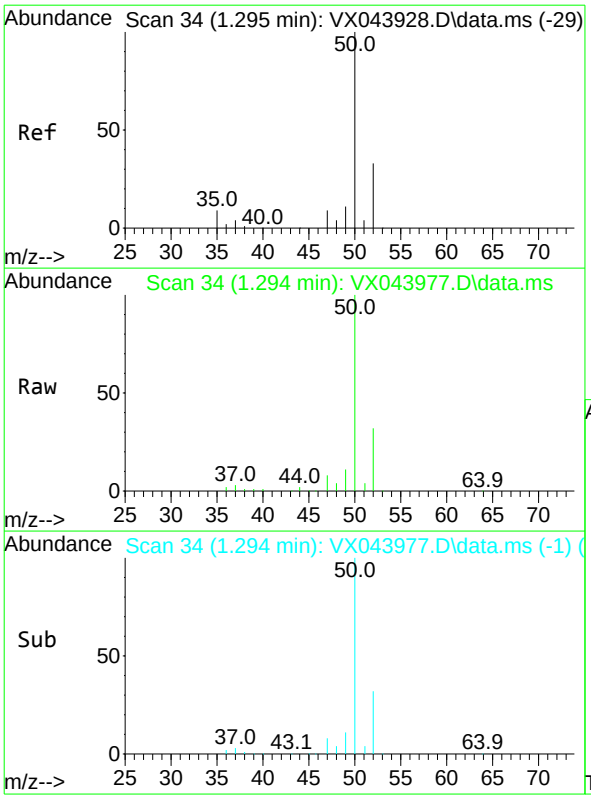


#2
Dichlorodifluoromethane
Concen: 46.466 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 85 Resp: 78031

Ion	Ratio	Lower	Upper
85	100		
87	31.5	16.6	49.8

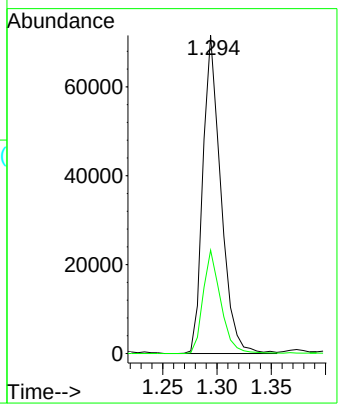




#3
Chloromethane
Concen: 46.775 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.001 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 50 Resp: 82659

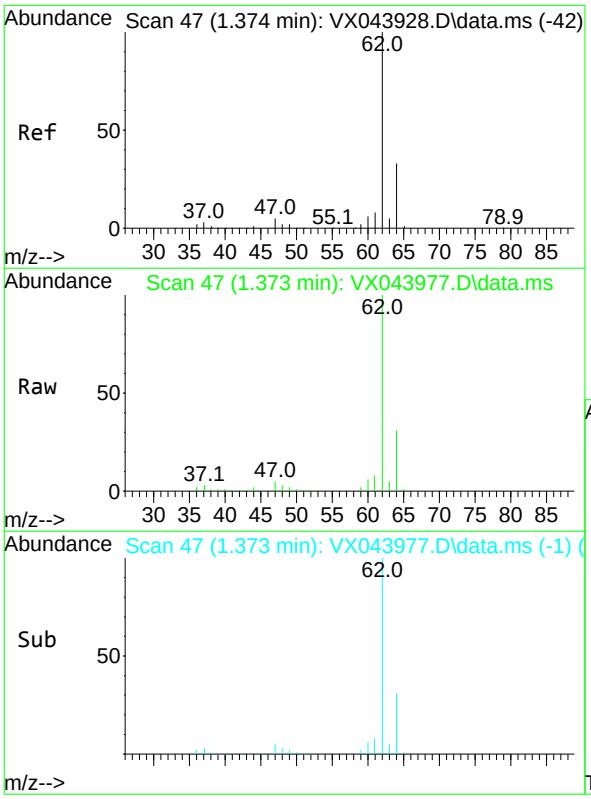
Ion	Ratio	Lower	Upper
50	100		
52	32.5	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

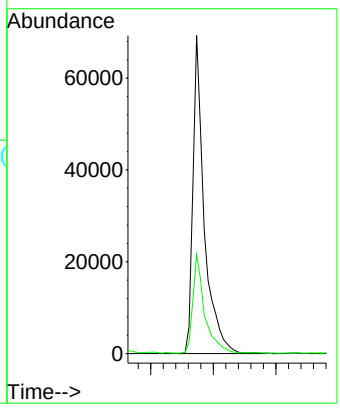
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

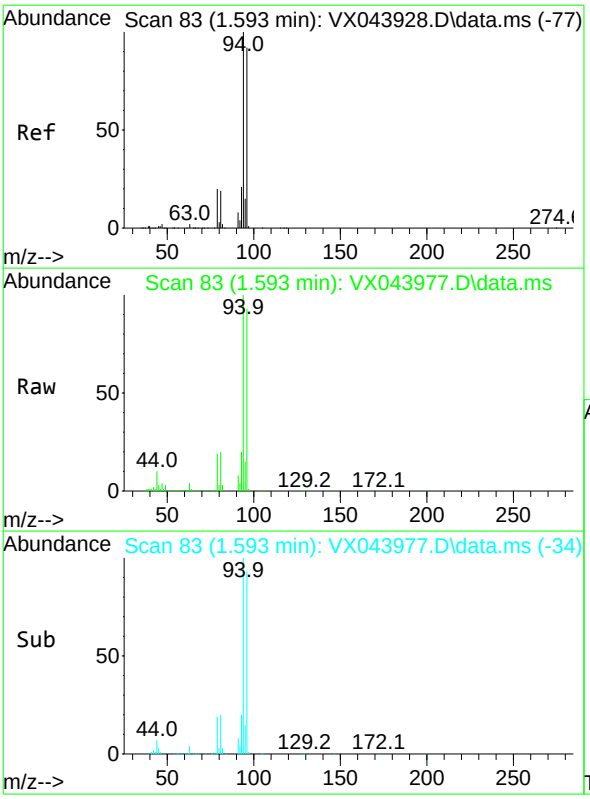


#4
Vinyl Chloride
Concen: 46.231 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 62 Resp: 86898

Ion	Ratio	Lower	Upper
62	100		
64	31.1	26.2	39.4

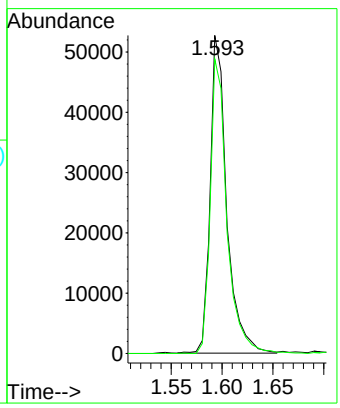




#5
Bromomethane
Concen: 51.566 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 94 Resp: 59627

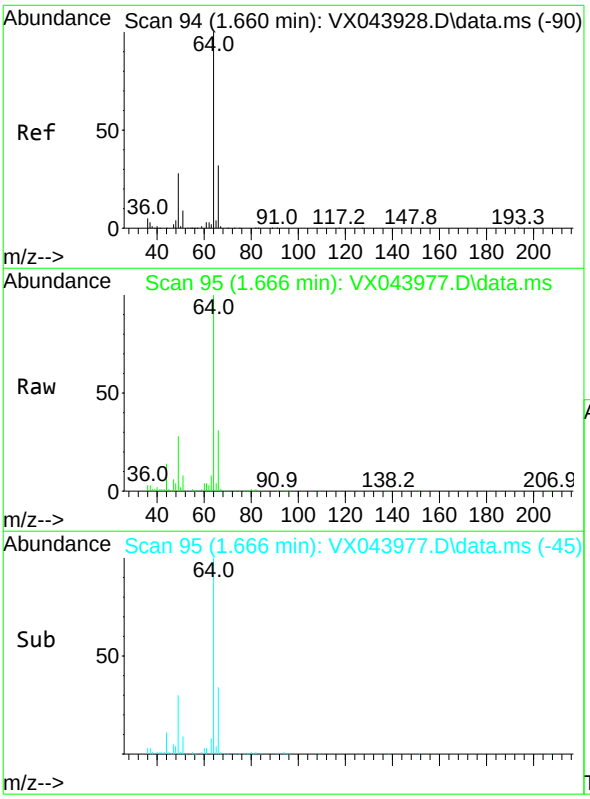
Ion	Ratio	Lower	Upper
94	100		
96	92.6	73.9	110.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

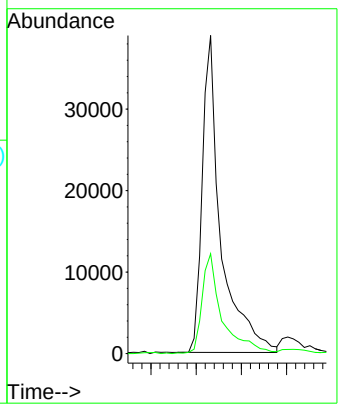
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

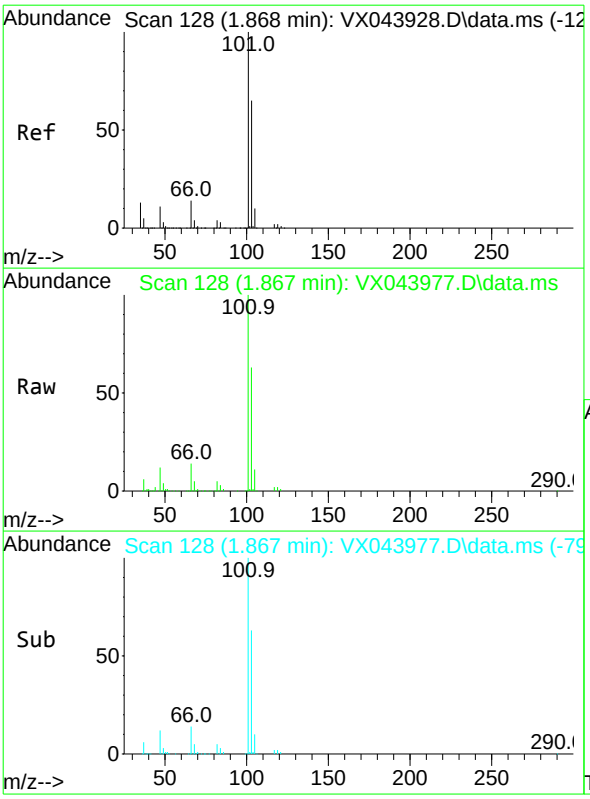


#6
Chloroethane
Concen: 48.469 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 64 Resp: 55513

Ion	Ratio	Lower	Upper
64	100		
66	31.3	25.9	38.9

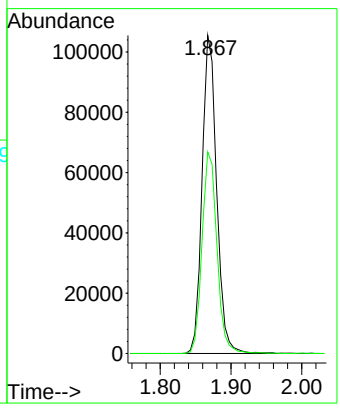




#7
Trichlorofluoromethane
Concen: 44.839 ug/l
RT: 1.867 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:101 Resp: 150681

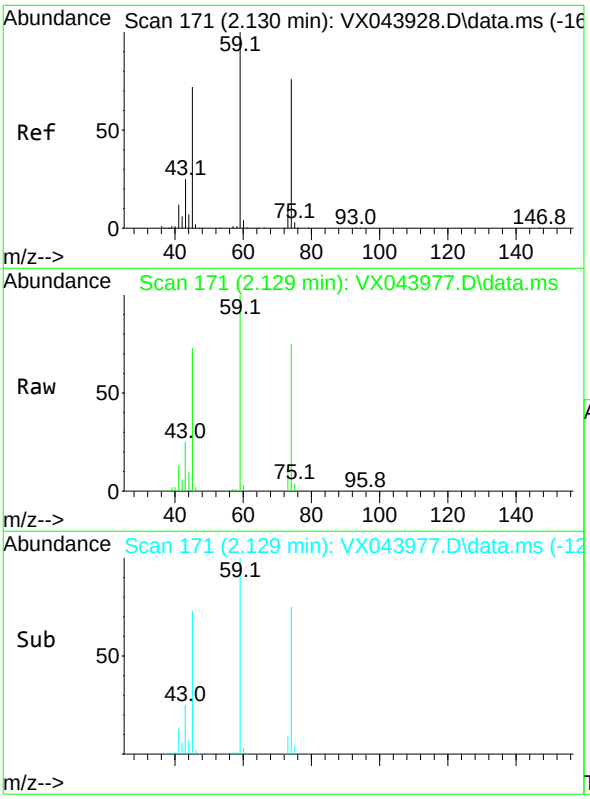
Ion	Ratio	Lower	Upper
101	100		
103	63.4	52.2	78.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

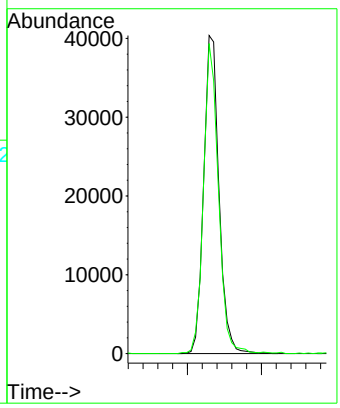
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

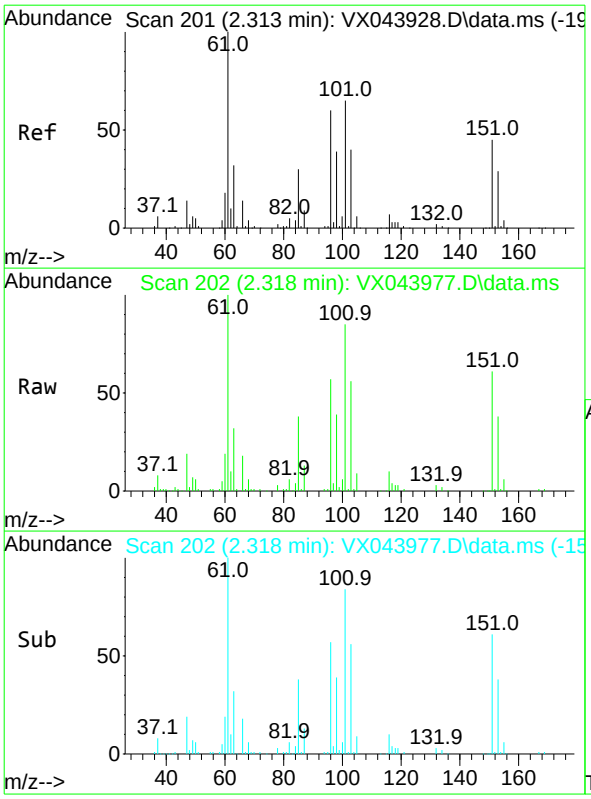


#8
Diethyl Ether
Concen: 47.280 ug/l
RT: 2.129 min Scan# 171
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 74 Resp: 57910

Ion	Ratio	Lower	Upper
74	100		
45	95.0	47.9	143.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.646 ug/l
RT: 2.318 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

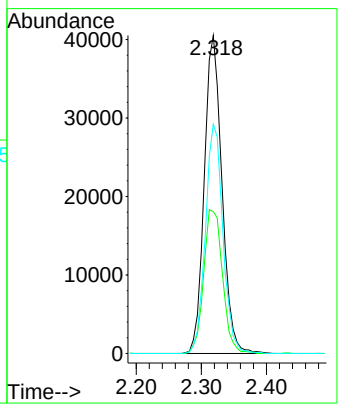
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

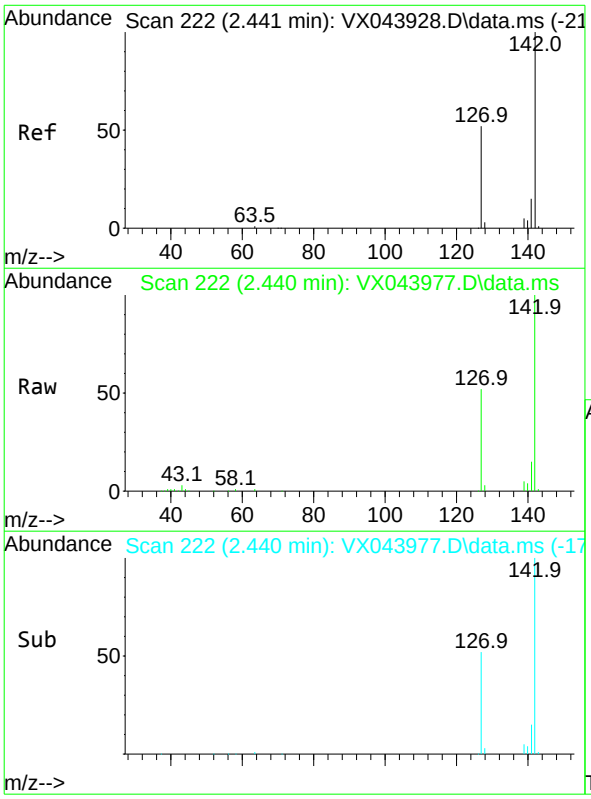
Tgt Ion:101 Resp: 76375

Ion	Ratio	Lower	Upper
101	100		
85	48.2	37.9	56.9
151	71.7	57.5	86.3

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

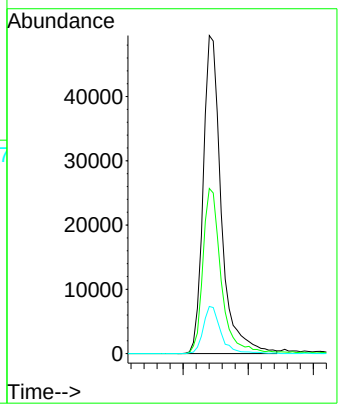


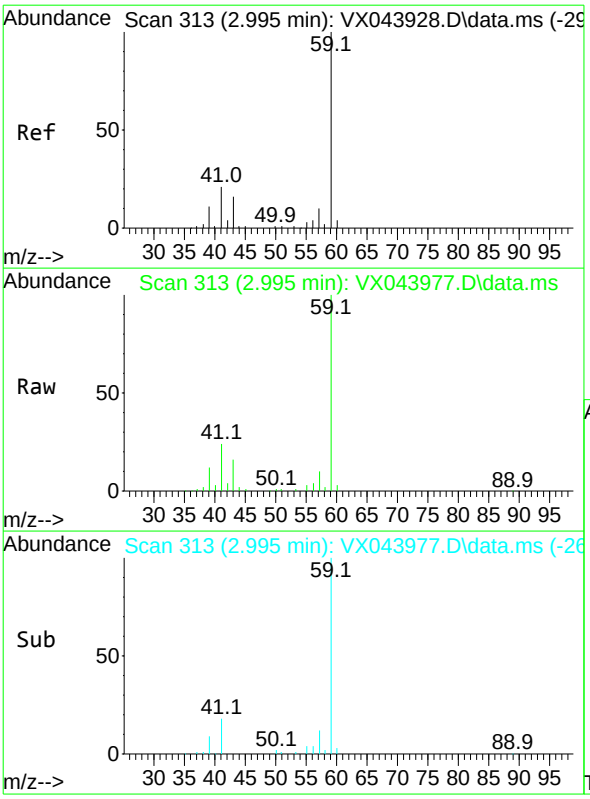


#10
Methyl Iodide
Concen: 47.795 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:142 Resp: 95686

Ion	Ratio	Lower	Upper
142	100		
127	52.7	40.7	61.1
141	14.5	12.0	18.0

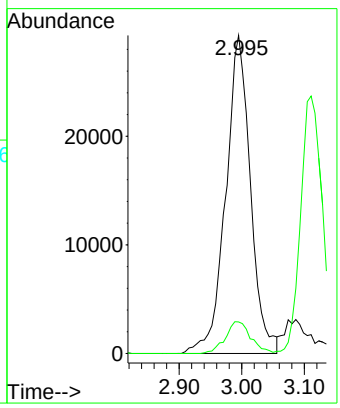




#11
Tert butyl alcohol
Concen: 220.360 ug/l
RT: 2.995 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 59 Resp: 80418

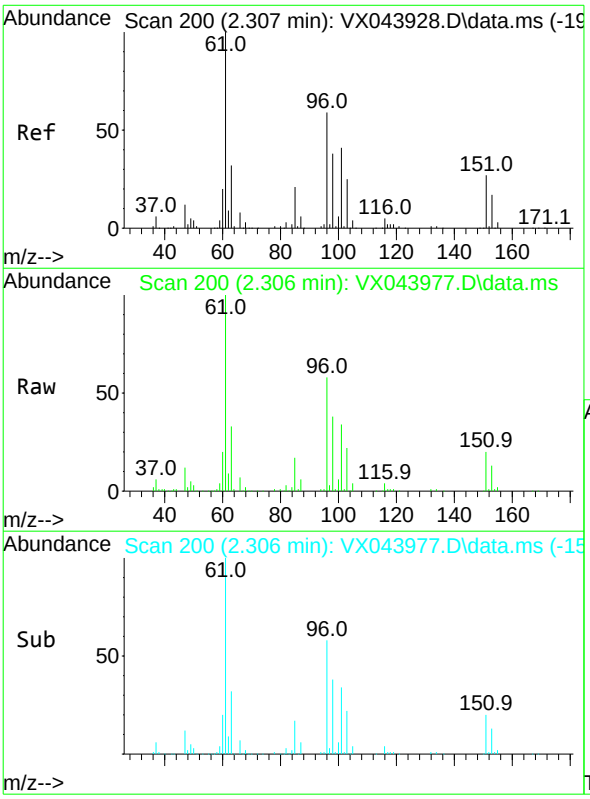
Ion	Ratio	Lower	Upper
59	100		
57	10.3	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

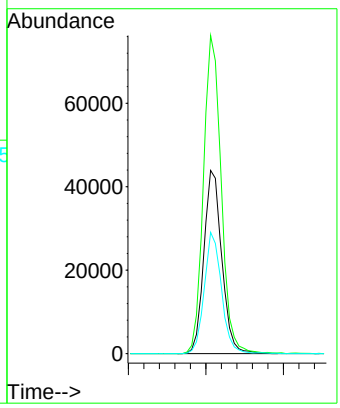
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

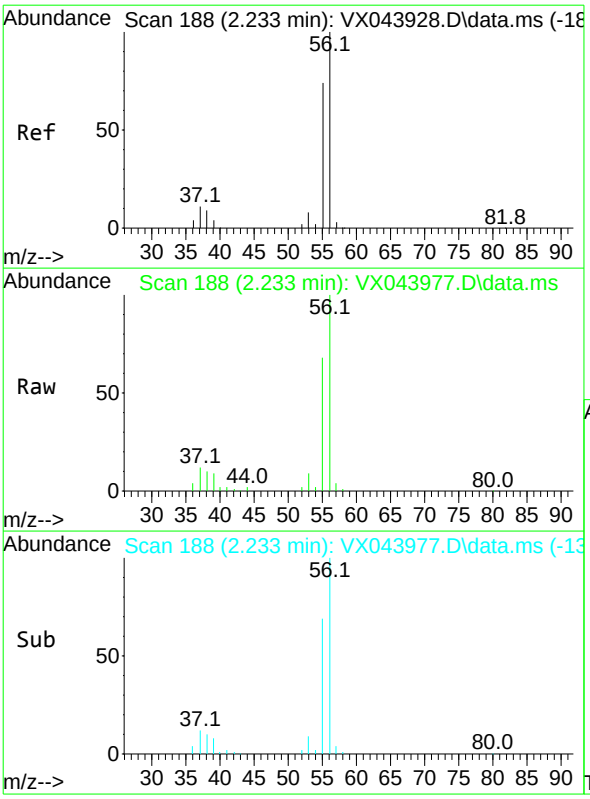


#12
1,1-Dichloroethene
Concen: 46.080 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.001 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 96 Resp: 70387

Ion	Ratio	Lower	Upper
96	100		
61	173.6	135.5	203.3
98	66.2	50.8	76.2

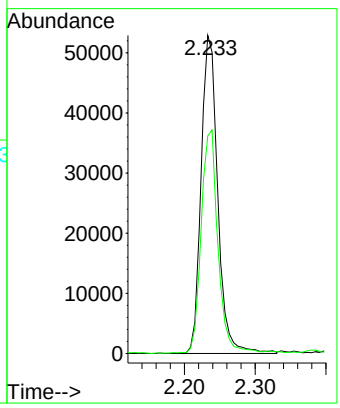




#13
Acrolein
Concen: 224.411 ug/l
RT: 2.233 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 56 Resp: 86322

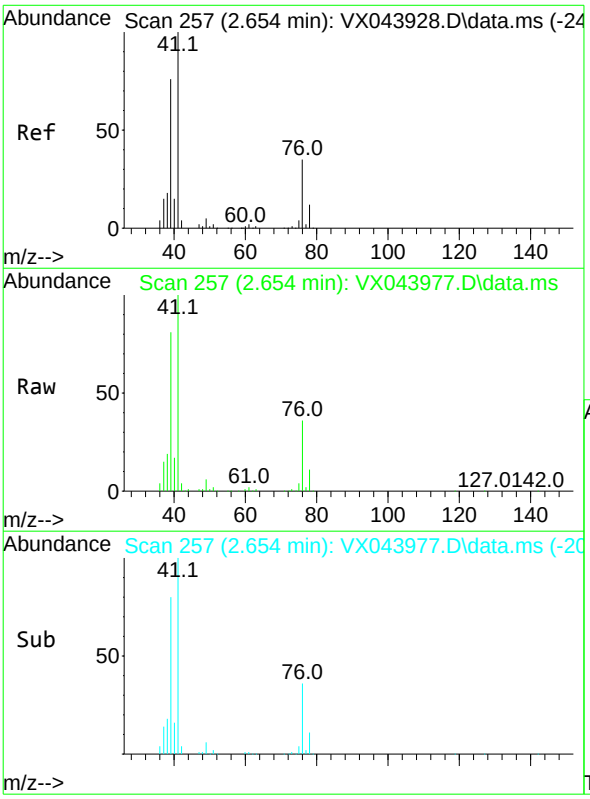
Ion	Ratio	Lower	Upper
56	100		
55	71.2	58.2	87.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

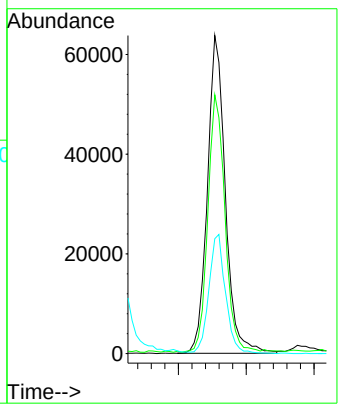
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

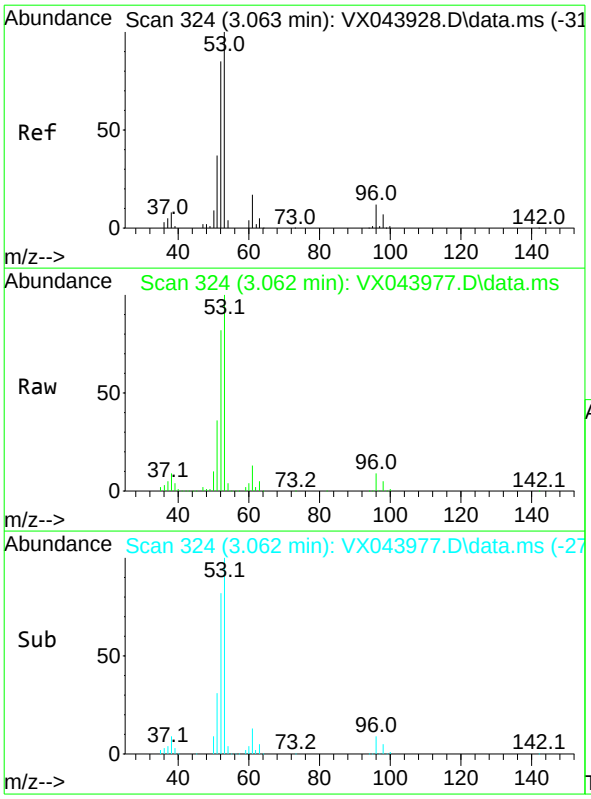


#14
Allyl chloride
Concen: 47.063 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 41 Resp: 117463

Ion	Ratio	Lower	Upper
41	100		
39	76.9	59.5	89.3
76	34.8	27.4	41.2





#15
Acrylonitrile
Concen: 239.244 ug/l
RT: 3.062 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

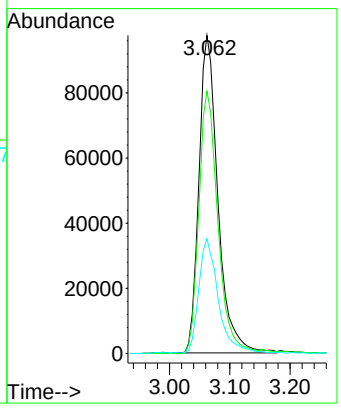
Tgt Ion: 53 Resp: 212767

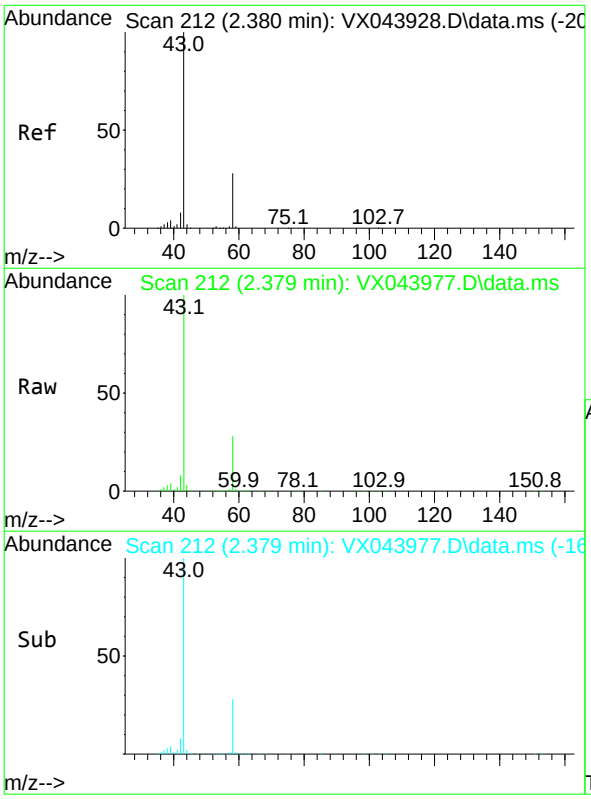
Ion	Ratio	Lower	Upper
53	100		
52	84.6	66.5	99.7
51	36.8	30.2	45.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

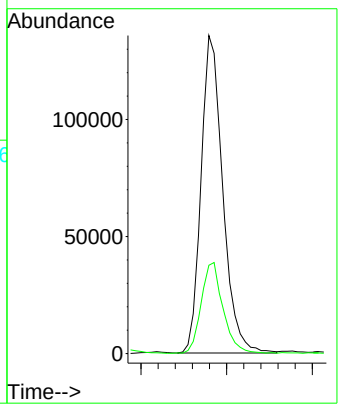


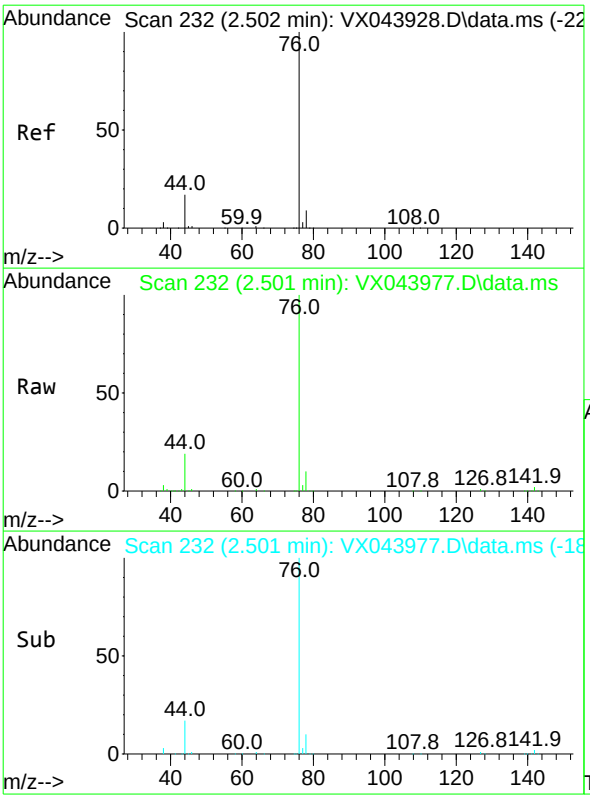


#16
Acetone
Concen: 228.890 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 43 Resp: 239021

Ion	Ratio	Lower	Upper
43	100		
58	27.7	22.7	34.1

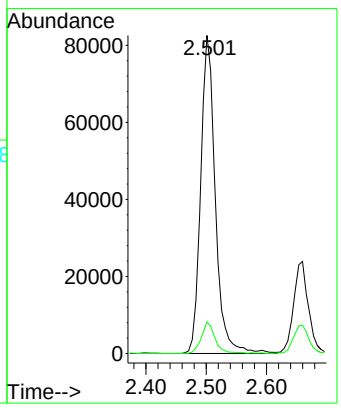




#17
Carbon Disulfide
Concen: 44.155 ug/l
RT: 2.501 min Scan# 23
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 76 Resp: 139122

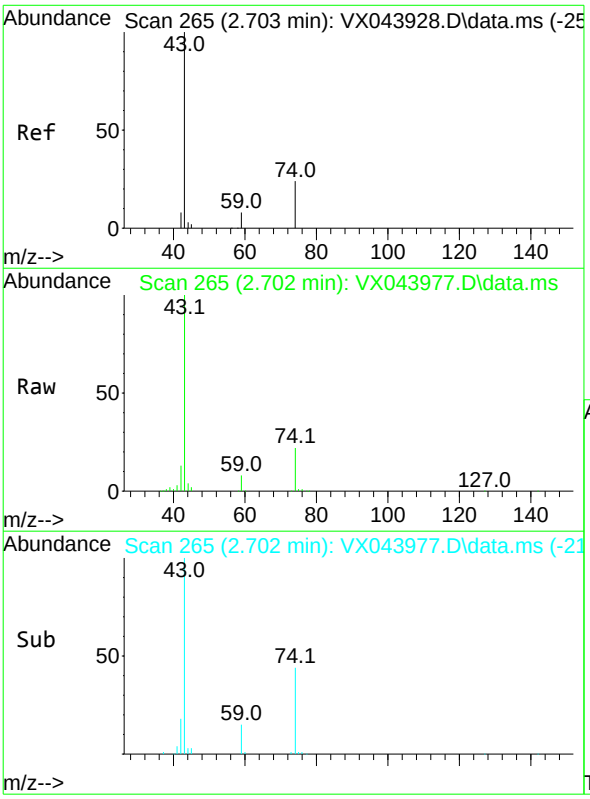
Ion	Ratio	Lower	Upper
76	100		
78	9.9	7.0	10.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

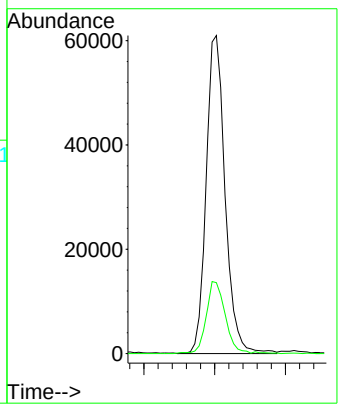
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

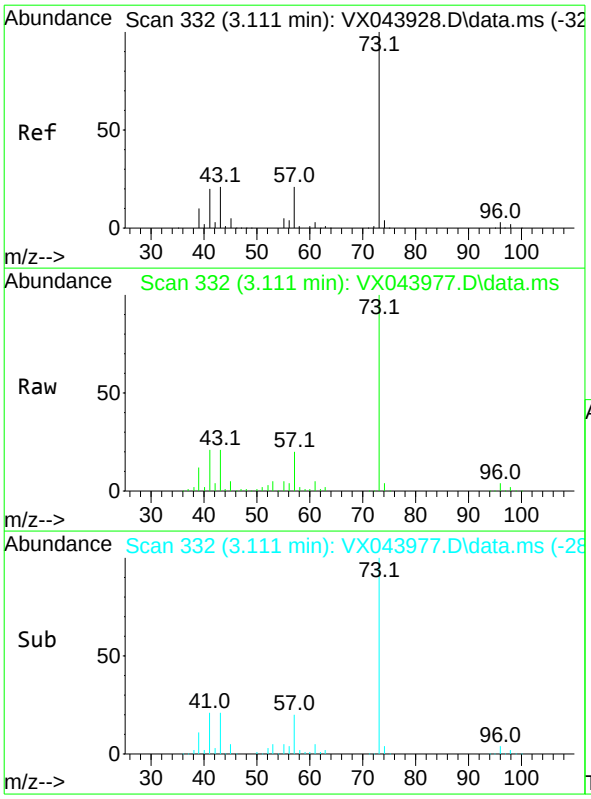


#18
Methyl Acetate
Concen: 46.531 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 43 Resp: 113156

Ion	Ratio	Lower	Upper
43	100		
74	22.9	18.9	28.3

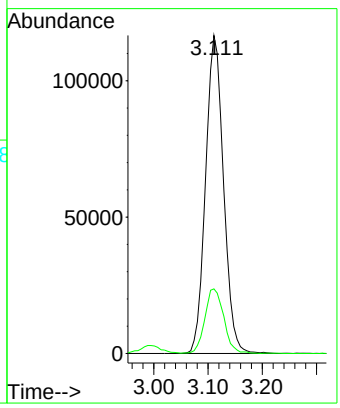




#19
Methyl tert-butyl Ether
Concen: 48.373 ug/l
RT: 3.111 min Scan# 33
Delta R.T. -0.001 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 73 Resp: 268289

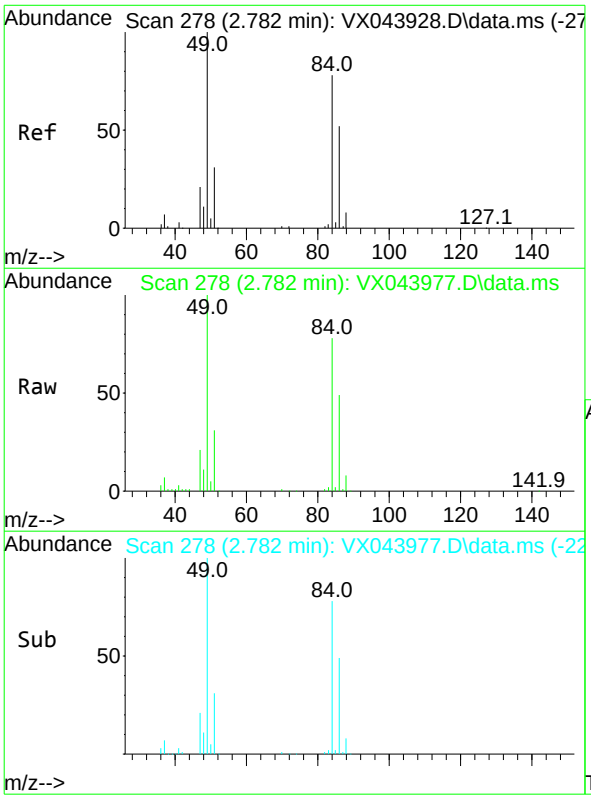
Ion	Ratio	Lower	Upper
73	100		
57	20.2	17.0	25.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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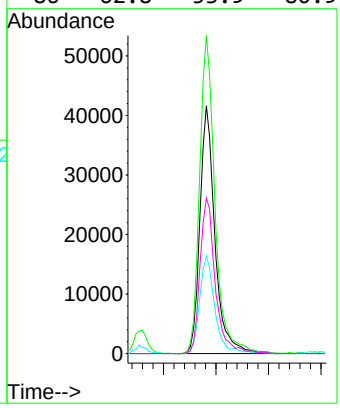
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

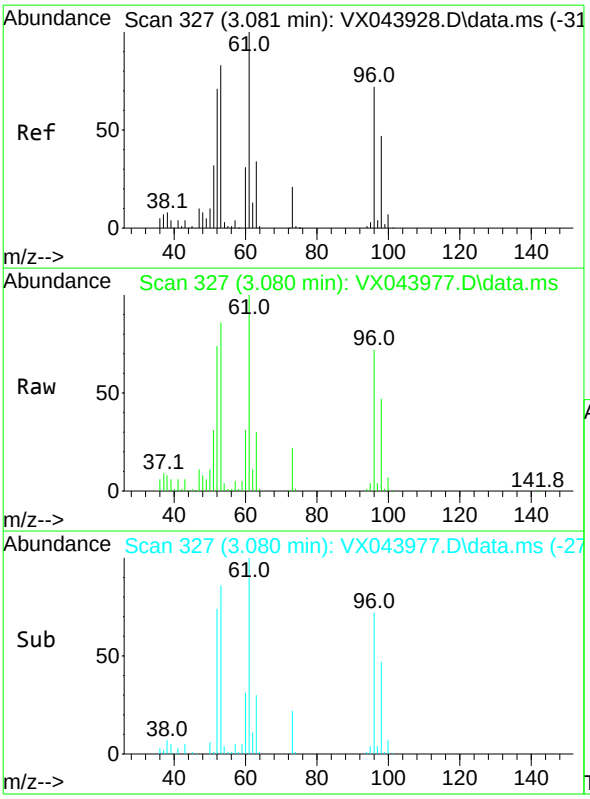


#20
Methylene Chloride
Concen: 46.719 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 84 Resp: 82791

Ion	Ratio	Lower	Upper
84	100		
49	128.3	102.7	154.1
51	39.3	31.7	47.5
86	62.8	53.9	80.9

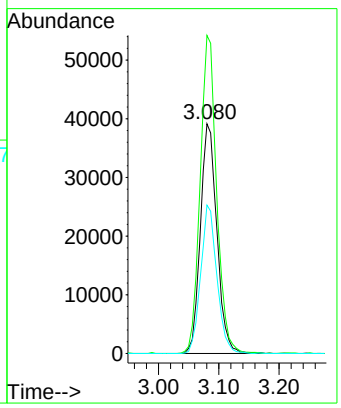




#21
trans-1,2-Dichloroethene
Concen: 47.034 ug/l
RT: 3.080 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 96 Resp: 74174

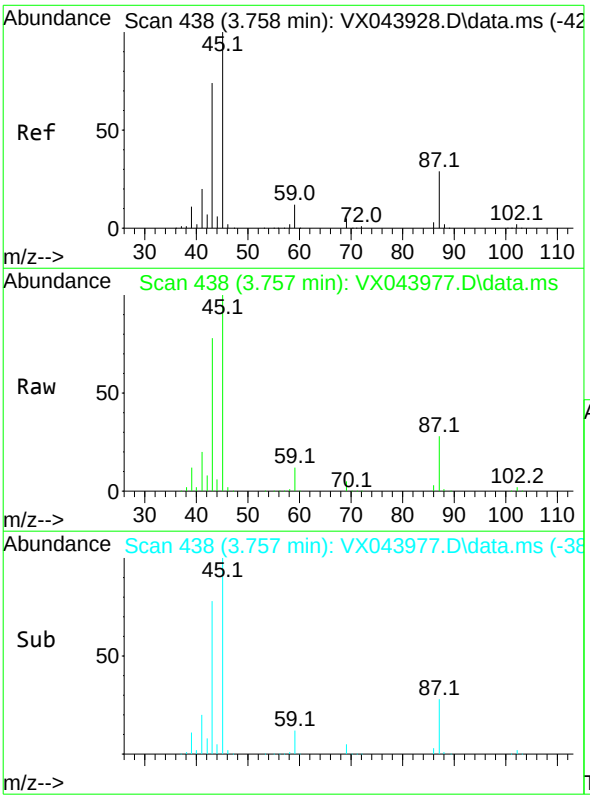
Ion	Ratio	Lower	Upper
96	100		
61	138.5	111.8	167.6
98	64.6	52.7	79.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

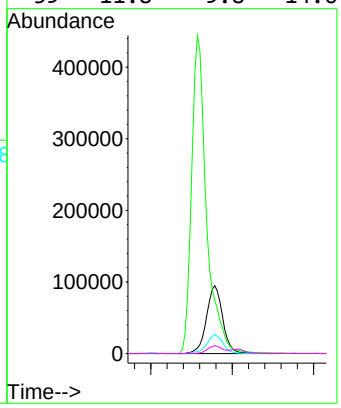
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

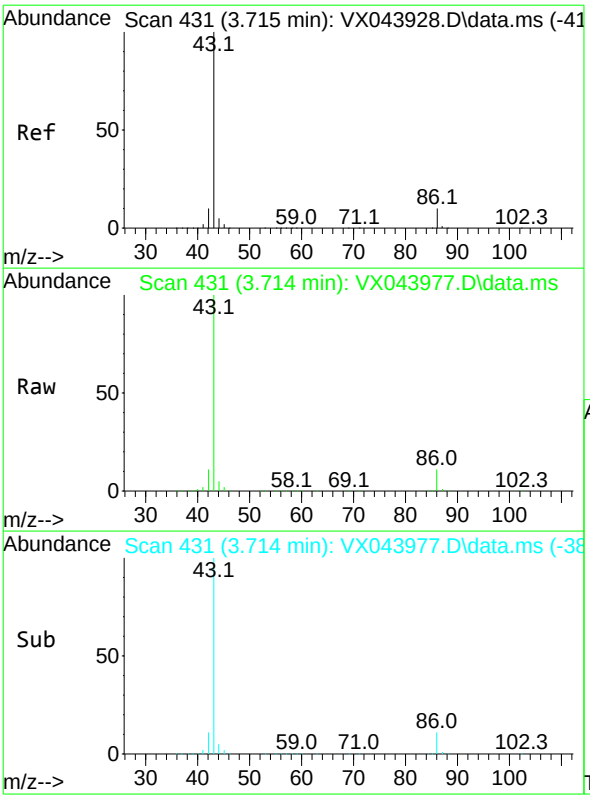


#22
Diisopropyl ether
Concen: 49.207 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 45 Resp: 262616

Ion	Ratio	Lower	Upper
45	100		
43	78.3	59.6	89.4
87	28.3	22.9	34.3
59	11.8	9.8	14.6





#23
Vinyl Acetate
Concen: 248.374 ug/l
RT: 3.714 min Scan# 43
Delta R.T. -0.001 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

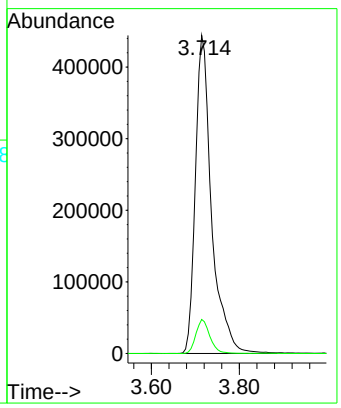
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

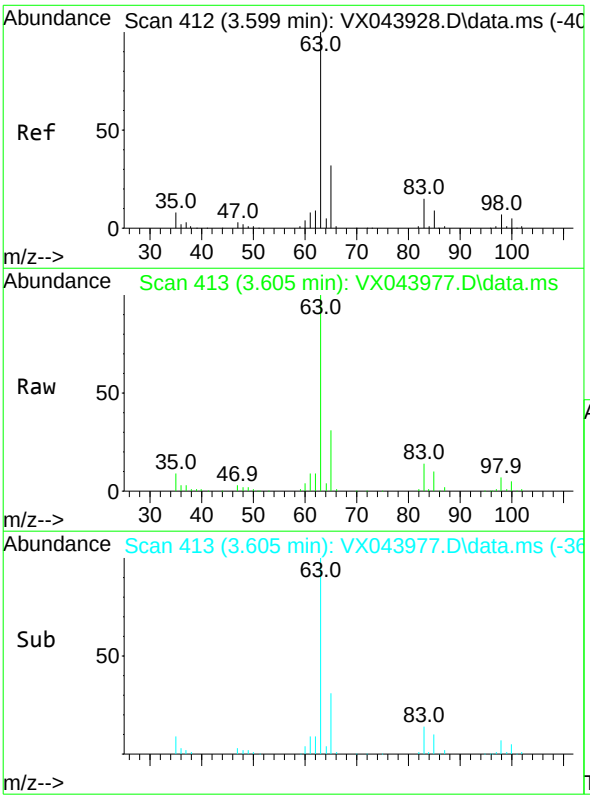
Tgt Ion: 43 Resp: 1133947

Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.3	12.5

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

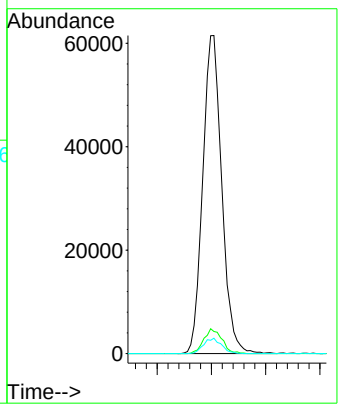


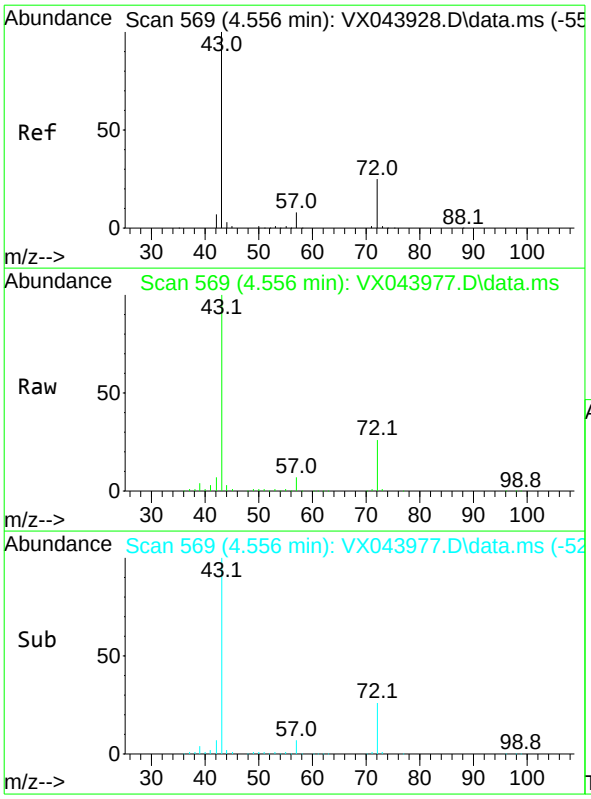


#24
1,1-Dichloroethane
Concen: 48.697 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 63 Resp: 149933

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.5	10.6
100	4.8	2.4	7.1

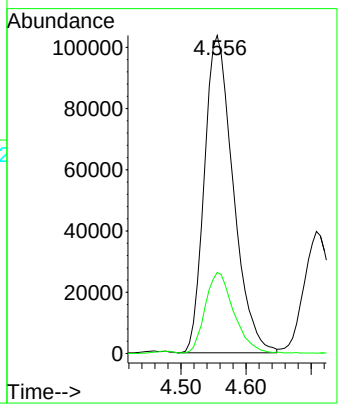




#25
2-Butanone
Concen: 236.327 ug/l
RT: 4.556 min Scan# 56
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 43 Resp: 318432

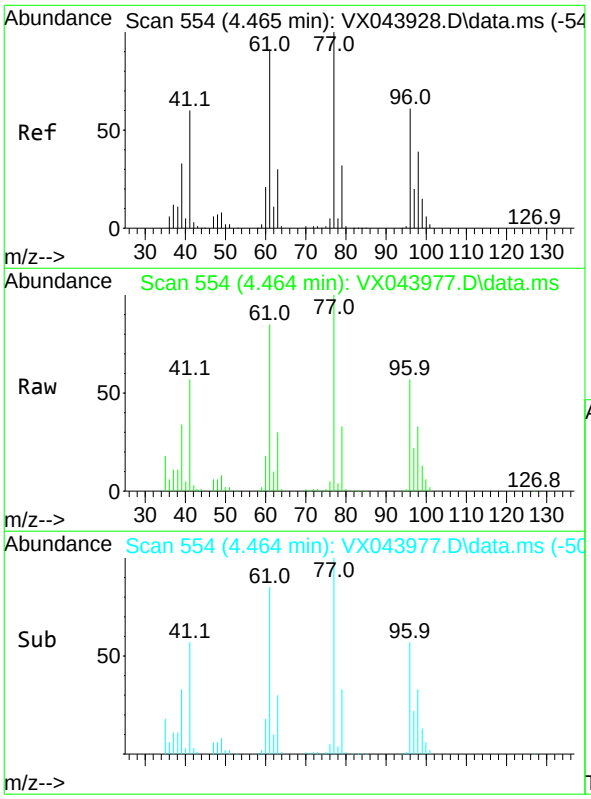
Ion	Ratio	Lower	Upper
43	100		
72	25.3	20.2	30.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

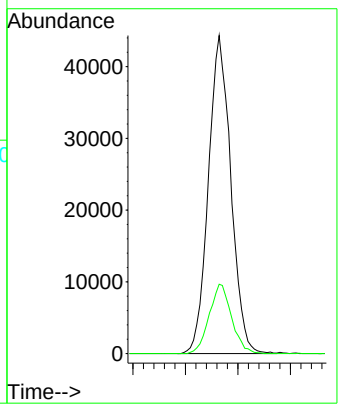
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

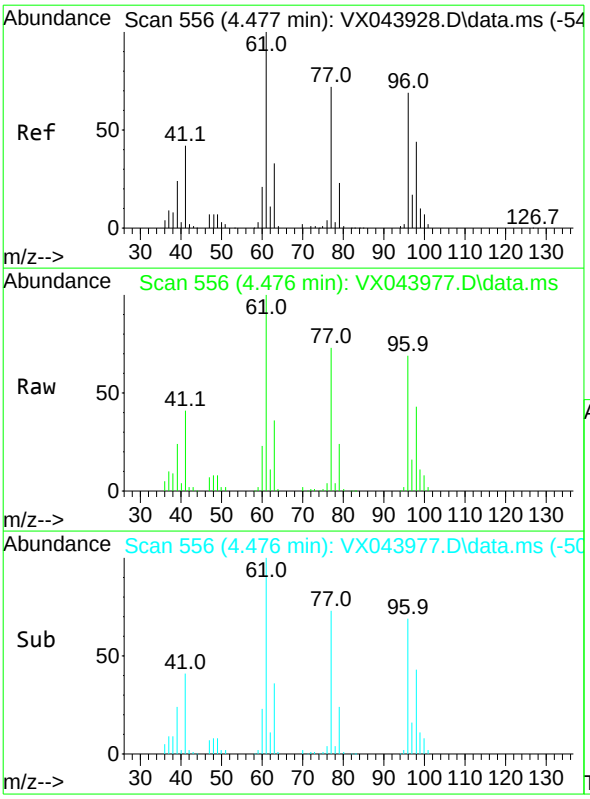


#26
2,2-Dichloropropane
Concen: 47.384 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 77 Resp: 131754

Ion	Ratio	Lower	Upper
77	100		
97	21.7	10.8	32.3

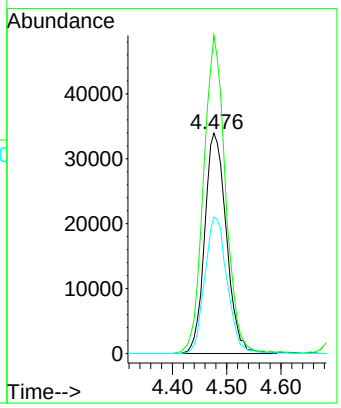




#27
cis-1,2-Dichloroethene
Concen: 48.444 ug/l
RT: 4.476 min Scan# 55
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 96 Resp: 94434

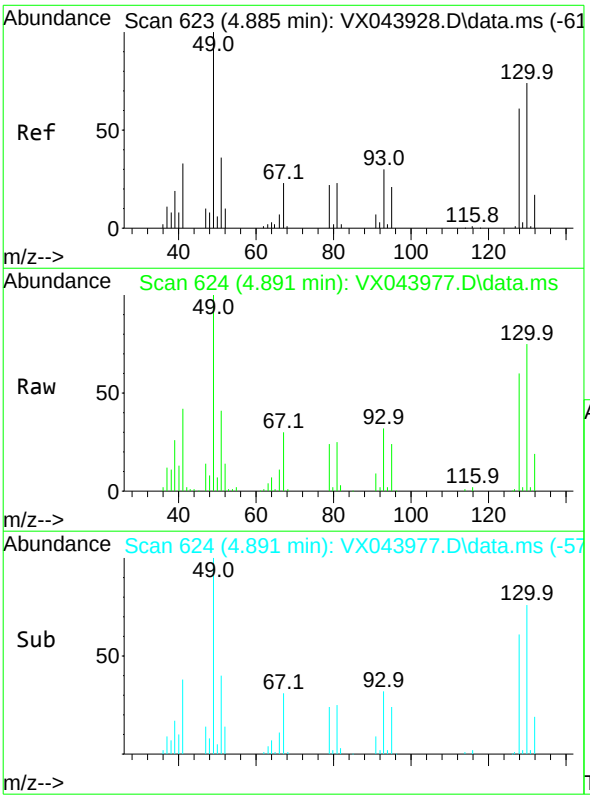
Ion	Ratio	Lower	Upper
96	100		
61	145.0	0.0	297.4
98	63.8	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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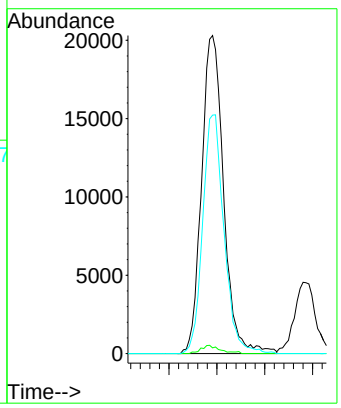
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

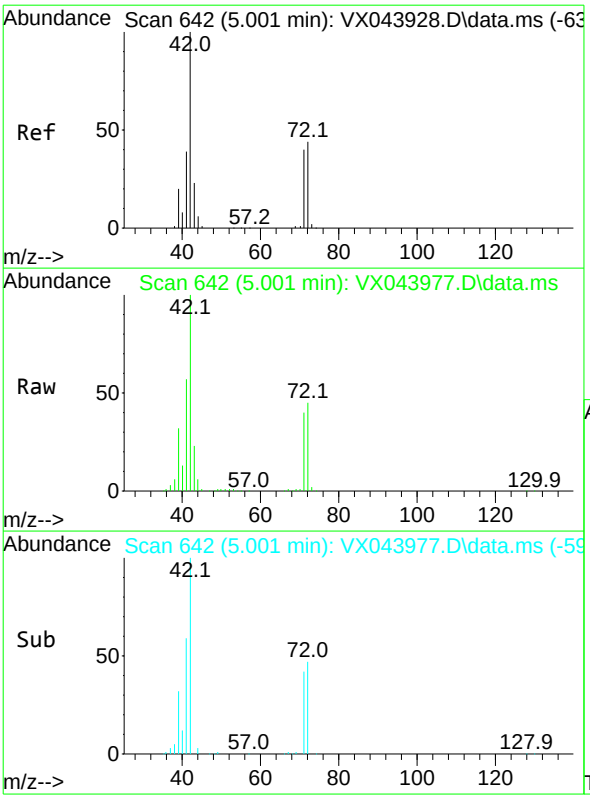


#28
Bromochloromethane
Concen: 47.856 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 49 Resp: 64856

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.0
130	72.8	59.0	88.6

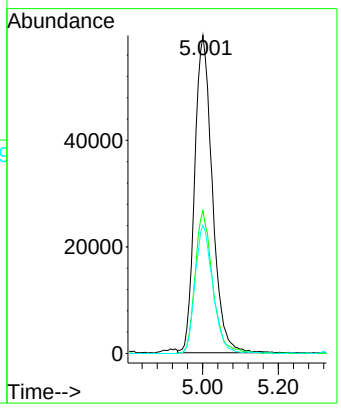




#29
Tetrahydrofuran
Concen: 232.975 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 42 Resp: 192450

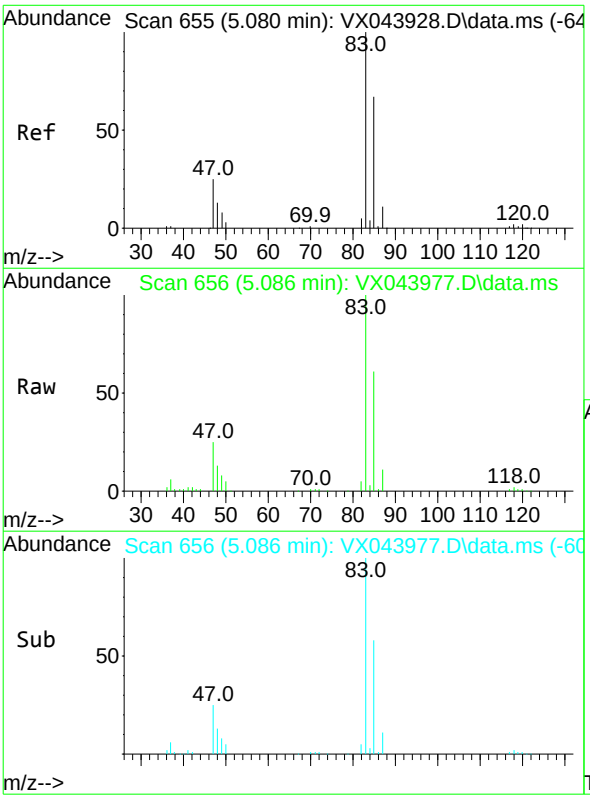
Ion	Ratio	Lower	Upper
42	100		
72	44.6	36.4	54.6
71	40.5	33.4	50.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

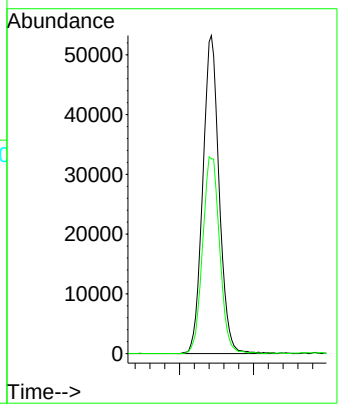
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

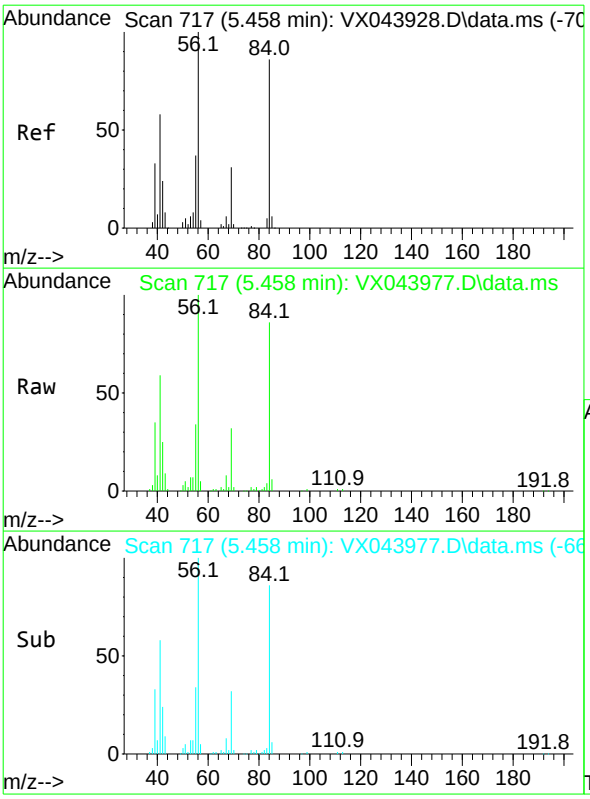


#30
Chloroform
Concen: 49.337 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 83 Resp: 163376

Ion	Ratio	Lower	Upper
83	100		
85	61.2	53.5	80.3





#31
Cyclohexane
Concen: 46.218 ug/l
RT: 5.458 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

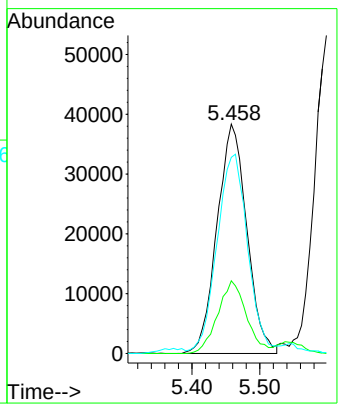
Tgt Ion: 56 Resp: 117118

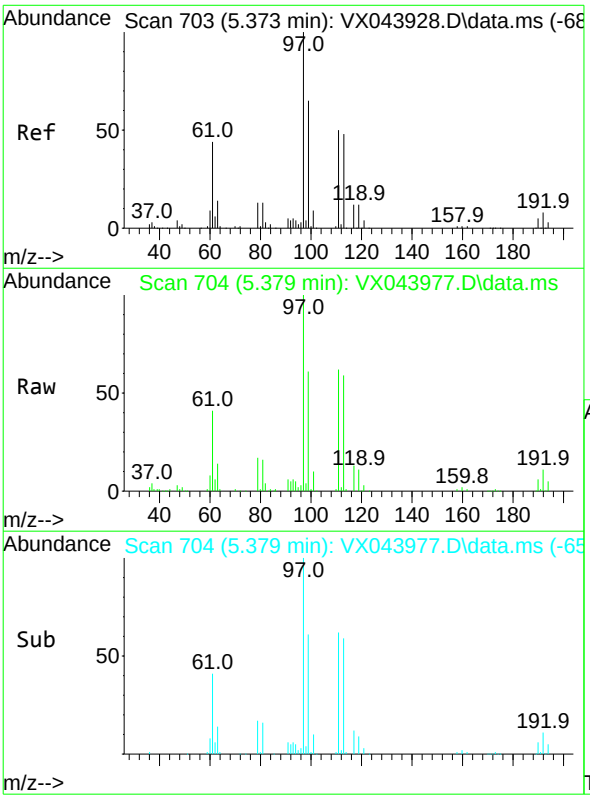
Ion	Ratio	Lower	Upper
56	100		
69	31.7	24.7	37.1
84	83.9	68.7	103.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

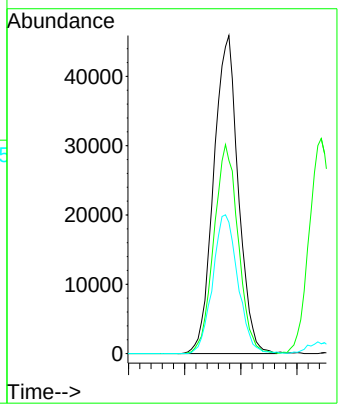


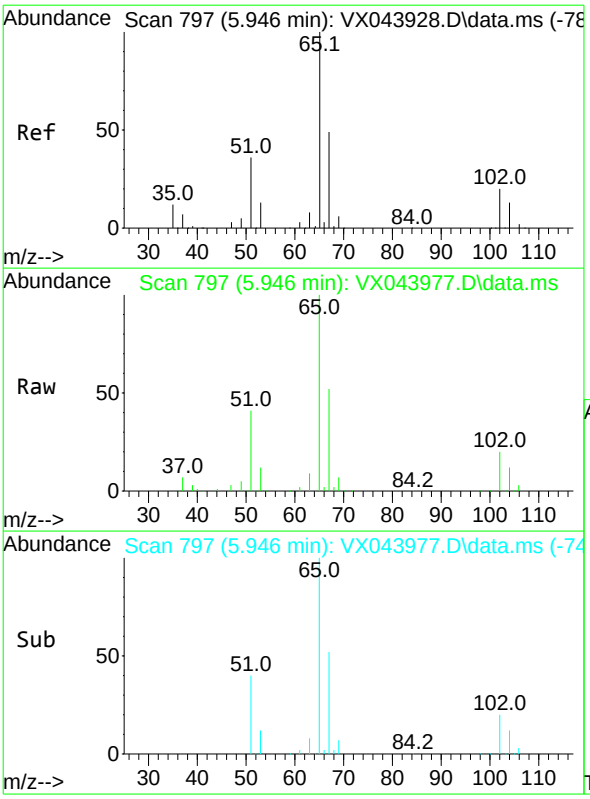


#32
1,1,1-Trichloroethane
Concen: 49.023 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 97 Resp: 139993

Ion	Ratio	Lower	Upper
97	100		
99	64.9	50.8	76.2
61	44.6	35.4	53.2





#33
1,2-Dichloroethane-d4
Concen: 49.000 ug/l
RT: 5.946 min Scan# 79
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

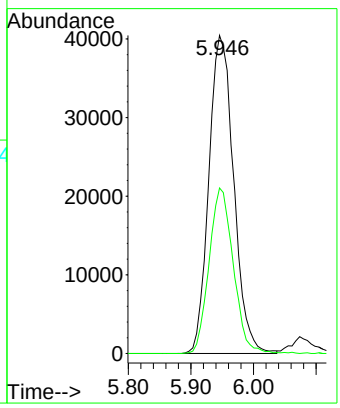
Tgt Ion: 65 Resp: 111407

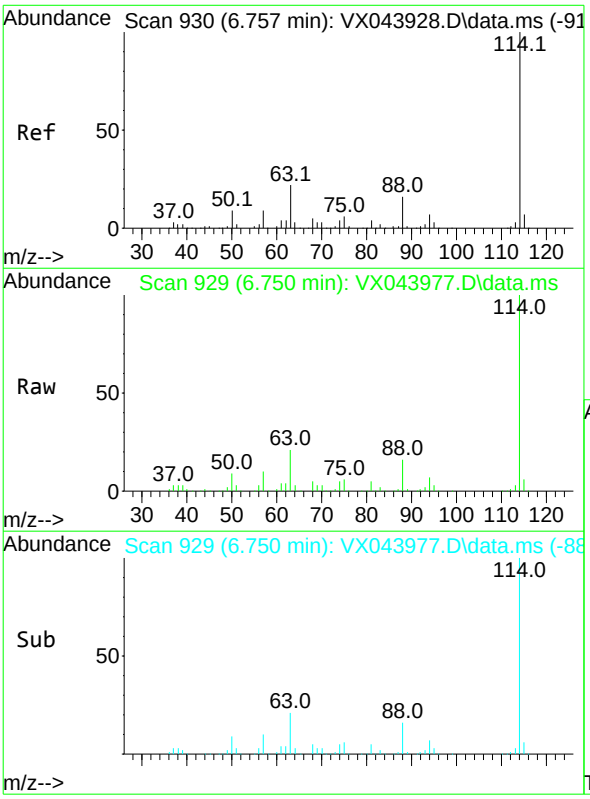
Ion	Ratio	Lower	Upper
65	100		
67	50.6	0.0	100.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

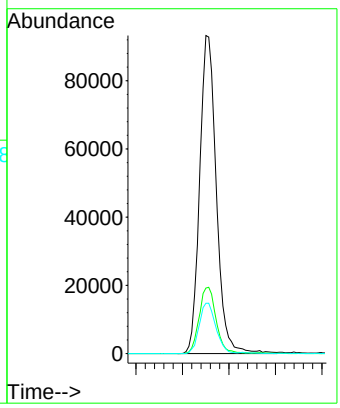


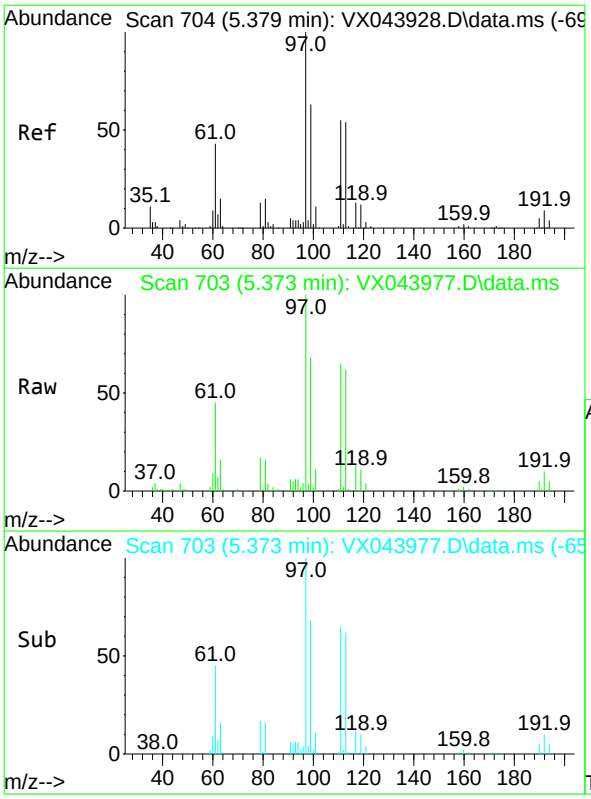


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.750 min Scan# 929
Delta R.T. -0.007 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:114 Resp: 232543

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	44.0
88	15.8	0.0	32.4

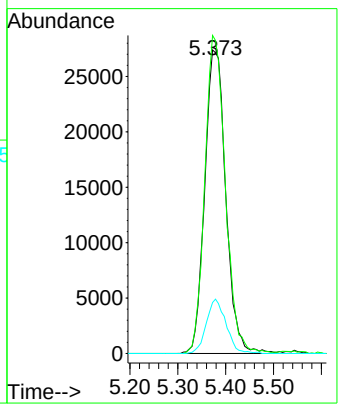




#35
Dibromofluoromethane
Concen: 50.333 ug/l
RT: 5.373 min Scan# 70
Delta R.T. -0.007 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:113 Resp: 83636

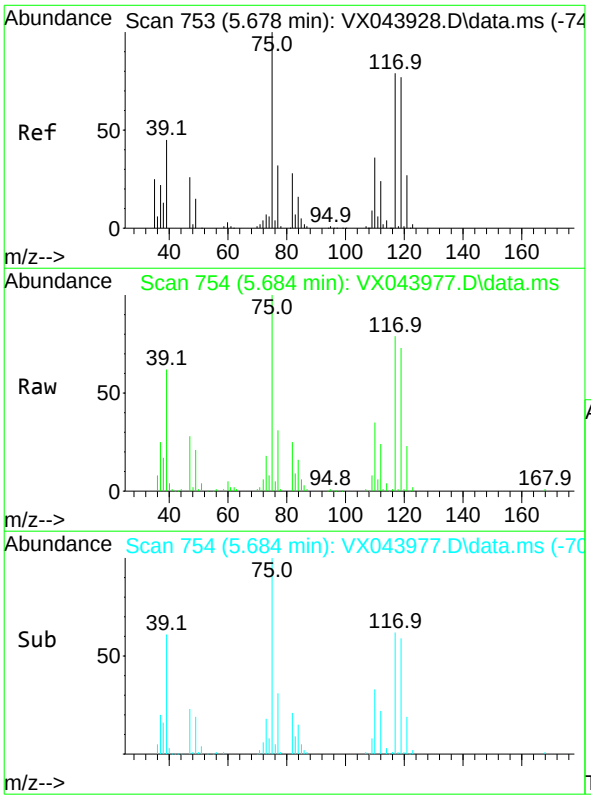
Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.0	121.4
192	16.9	13.0	19.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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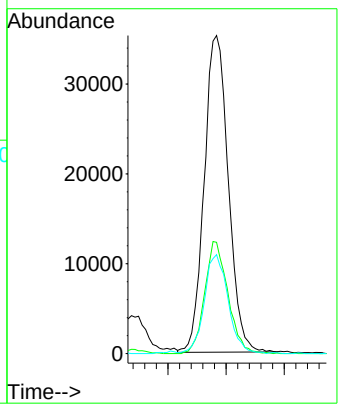
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

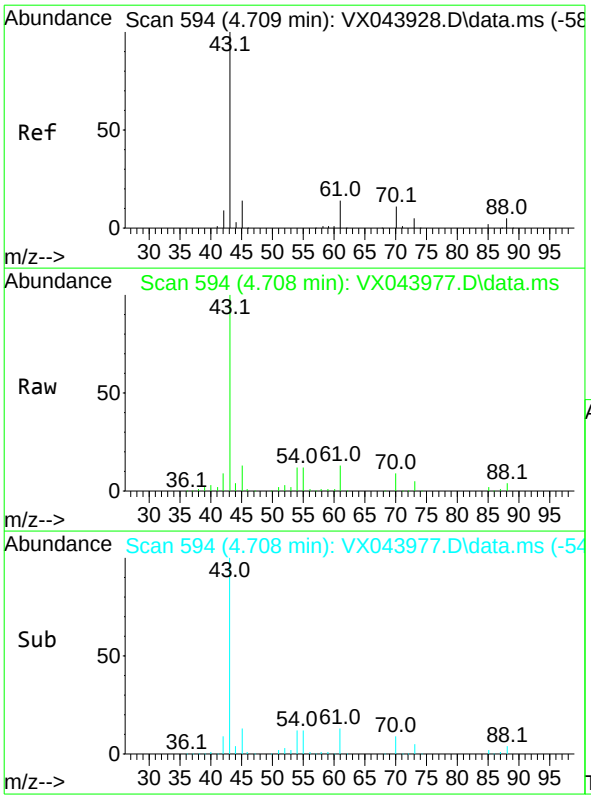


#36
1,1-Dichloropropene
Concen: 49.026 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 75 Resp: 101514

Ion	Ratio	Lower	Upper
75	100		
110	34.1	17.4	52.2
77	30.9	25.8	38.8





#37
Ethyl Acetate
Concen: 46.278 ug/l
RT: 4.708 min Scan# 59
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

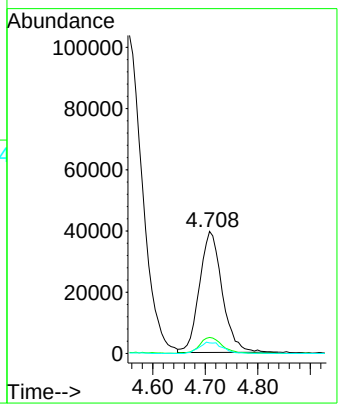
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

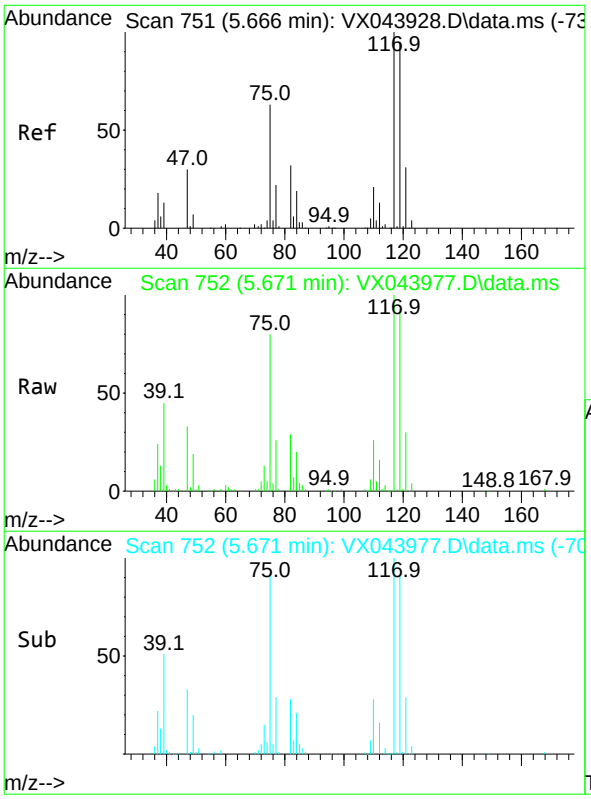
Tgt Ion: 43 Resp: 118947

Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.7	16.1
70	9.4	8.0	12.0

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

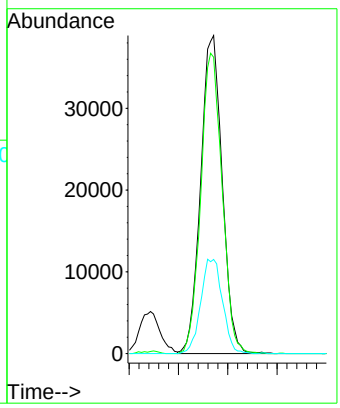


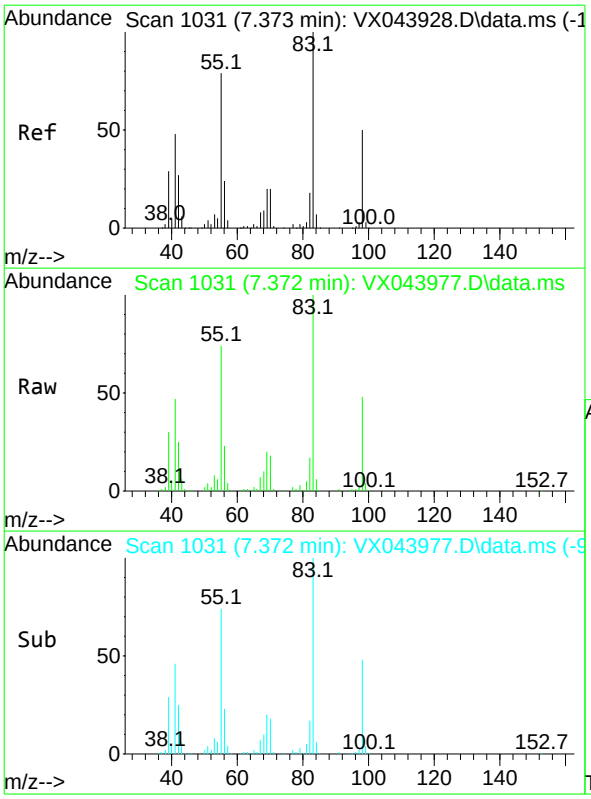


#38
Carbon Tetrachloride
Concen: 50.716 ug/l
RT: 5.671 min Scan# 752
Delta R.T. 0.006 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:117 Resp: 117996

Ion	Ratio	Lower	Upper
117	100		
119	93.2	75.2	112.8
121	29.6	24.5	36.7





#39
Methylcyclohexane
Concen: 47.843 ug/l
RT: 7.372 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

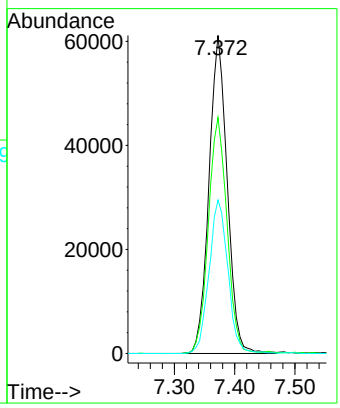
Tgt Ion: 83 Resp: 128697

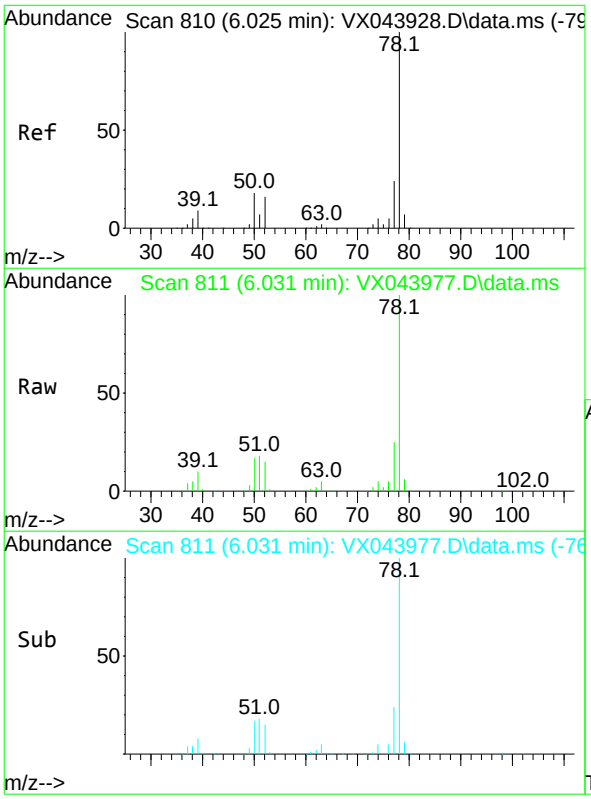
Ion	Ratio	Lower	Upper
83	100		
55	74.2	63.1	94.7
98	48.3	40.0	60.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

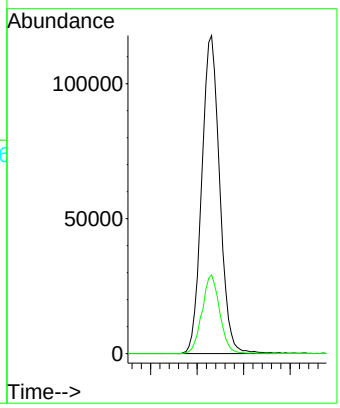


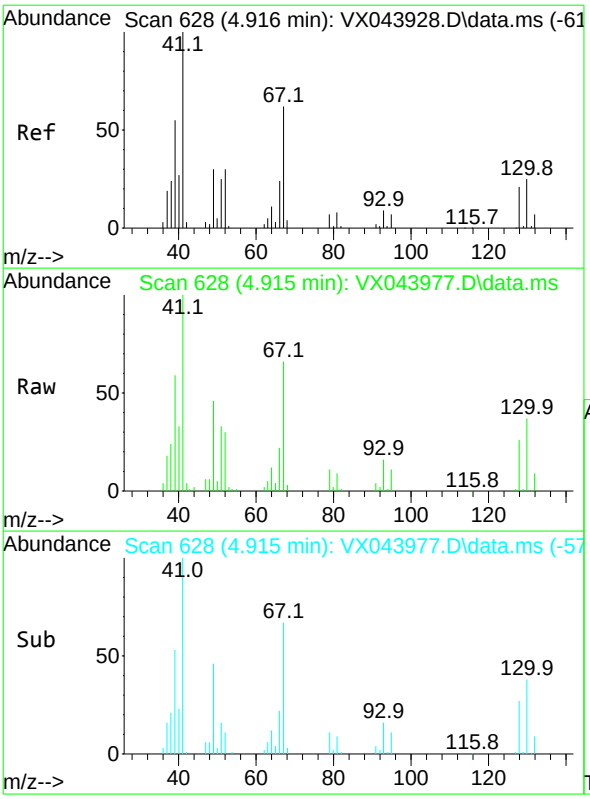


#40
Benzene
Concen: 48.936 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 78 Resp: 315624

Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.2	28.8

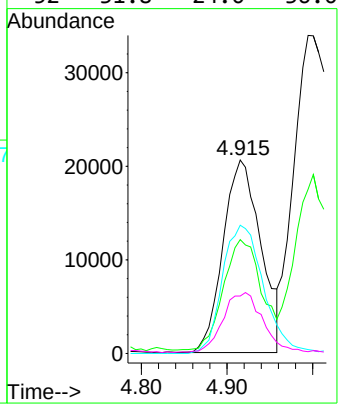




#41
Methacrylonitrile
Concen: 48.098 ug/l
RT: 4.915 min Scan# 62
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 41 Resp: 63274

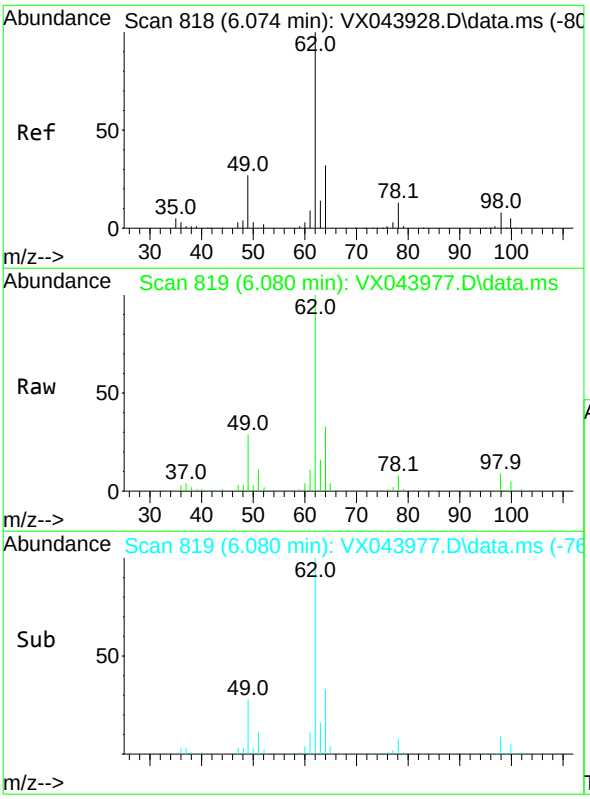
Ion	Ratio	Lower	Upper
41	100		
39	57.8	41.7	62.5
67	72.6	55.8	83.8
52	31.8	24.0	36.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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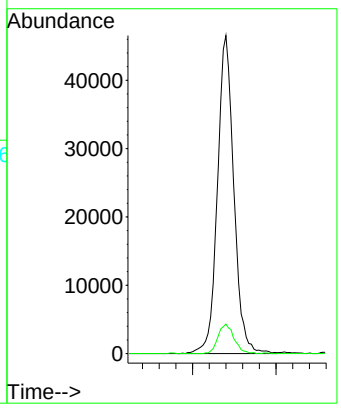
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

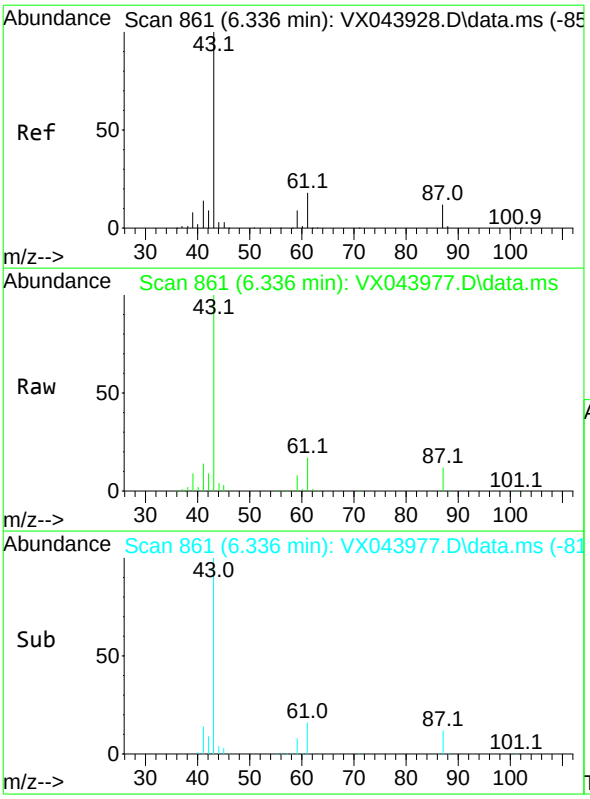


#42
1,2-Dichloroethane
Concen: 49.018 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.006 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 62 Resp: 126975

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	16.4

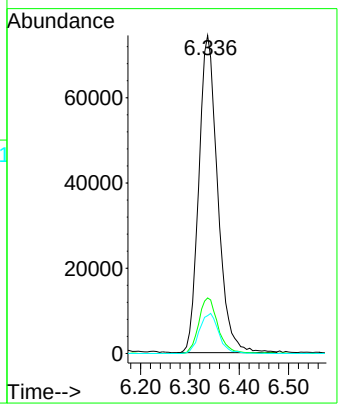




#43
Isopropyl Acetate
Concen: 48.245 ug/l
RT: 6.336 min Scan# 86
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 43 Resp: 197344

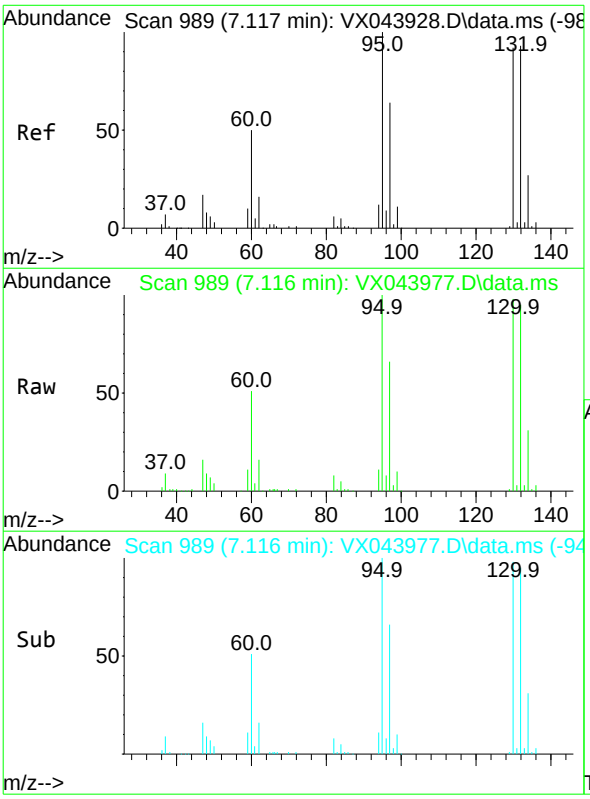
Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.5	21.7
87	12.9	10.2	15.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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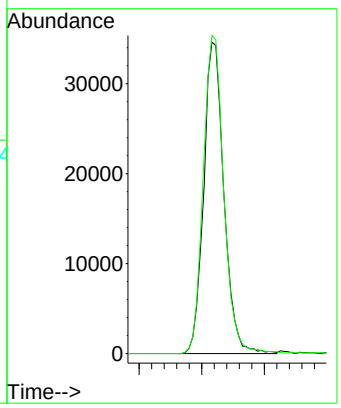
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

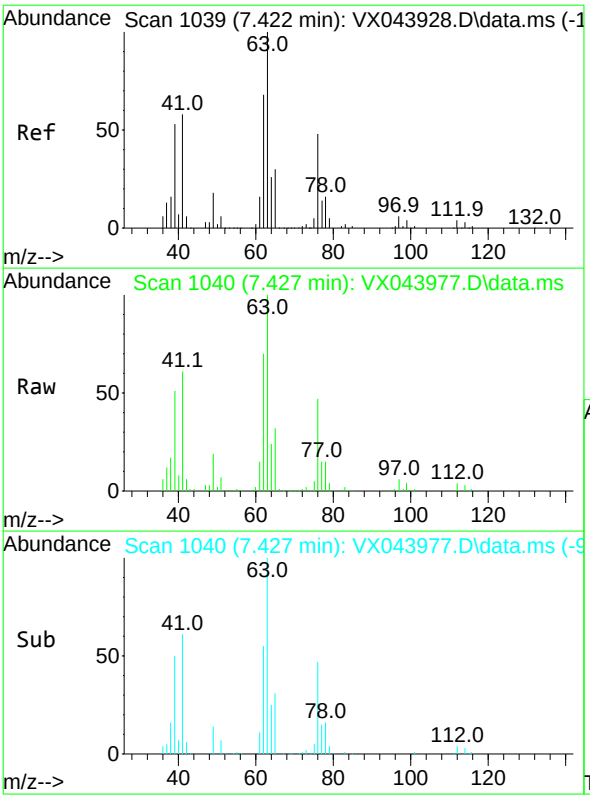


#44
Trichloroethene
Concen: 42.546 ug/l
RT: 7.116 min Scan# 989
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:130 Resp: 77683

Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	217.8





#45
1,2-Dichloropropane
Concen: 49.890 ug/l
RT: 7.427 min Scan# 10
Delta R.T. 0.006 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

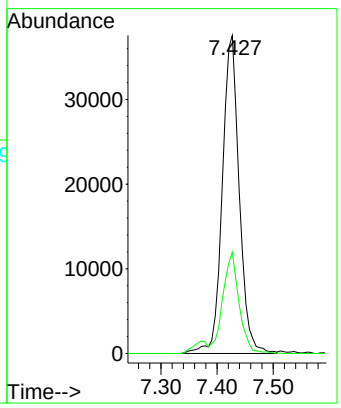
Tgt Ion: 63 Resp: 78811

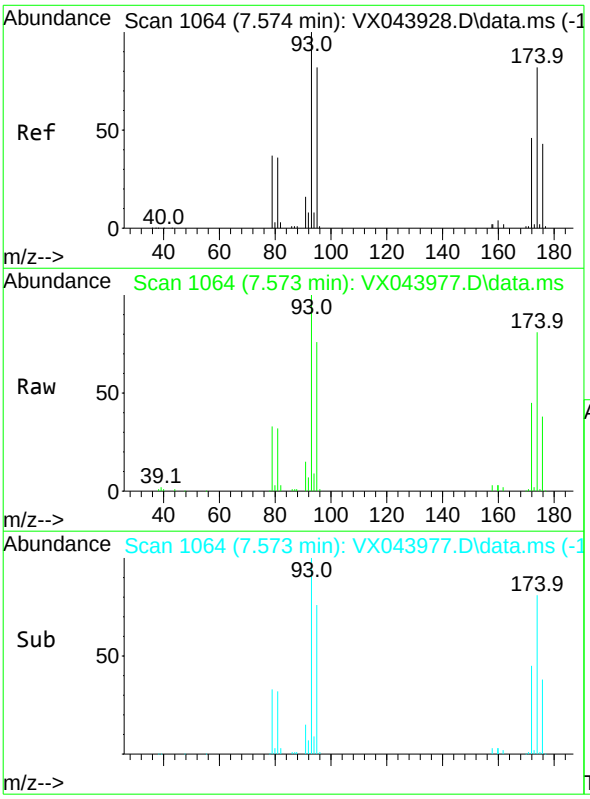
Ion	Ratio	Lower	Upper
63	100		
65	31.8	23.8	35.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

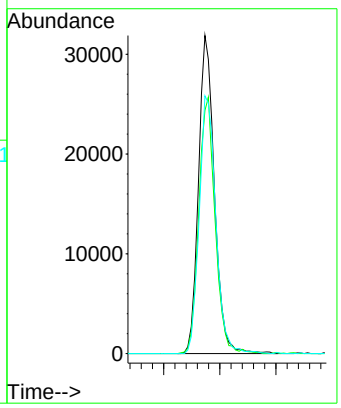


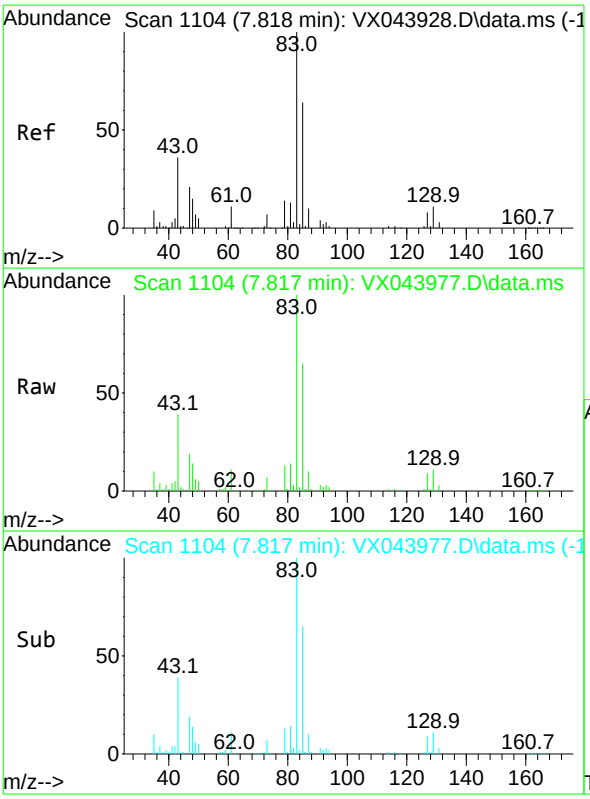


#46
Dibromomethane
Concen: 50.387 ug/l
RT: 7.573 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 93 Resp: 62964

Ion	Ratio	Lower	Upper
93	100		
95	82.3	66.2	99.4
174	84.6	69.6	104.4

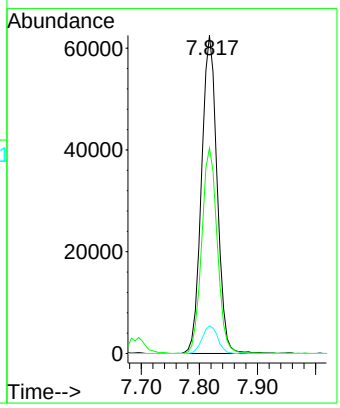




#47
Bromodichloromethane
Concen: 51.893 ug/l
RT: 7.817 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 83 Resp: 116299

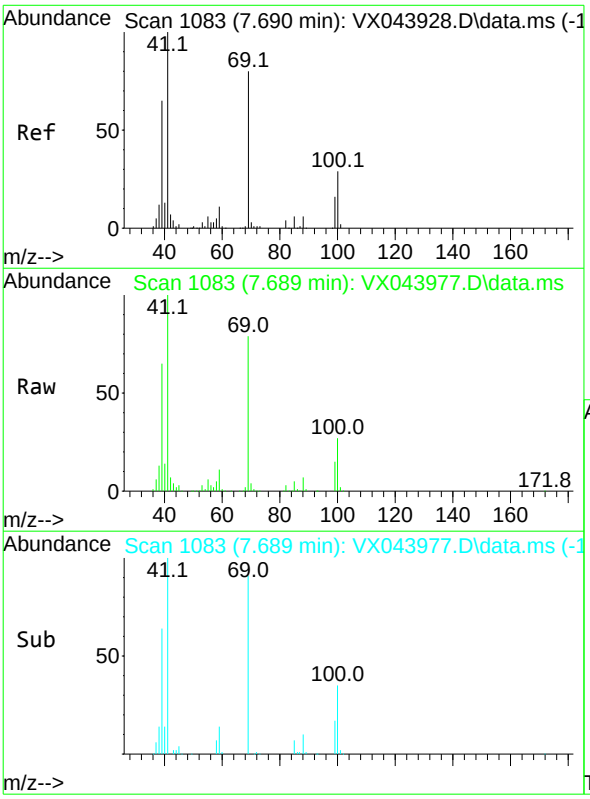
Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.4	77.0
127	8.7	6.6	10.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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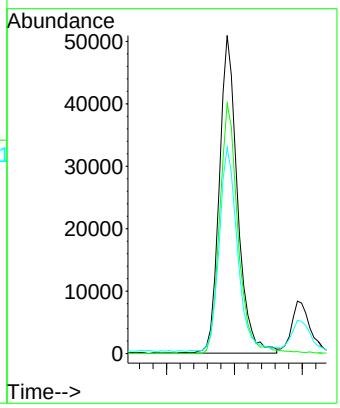
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

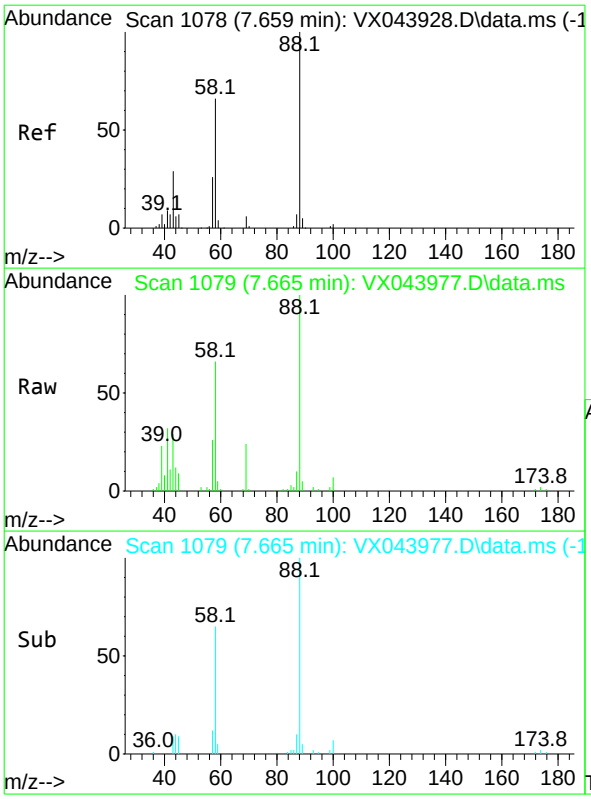


#48
Methyl methacrylate
Concen: 48.244 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 41 Resp: 94692

Ion	Ratio	Lower	Upper
41	100		
69	80.0	64.6	97.0
39	63.9	53.3	79.9

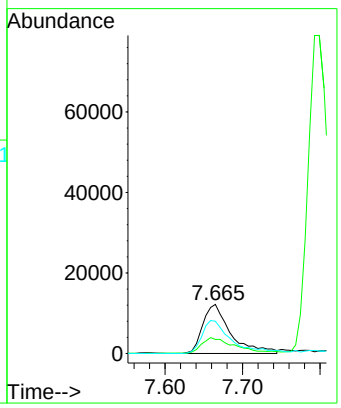




#49
1,4-Dioxane
Concen: 869.321 ug/l
RT: 7.665 min Scan# 10
Delta R.T. 0.006 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 88 Resp: 30394

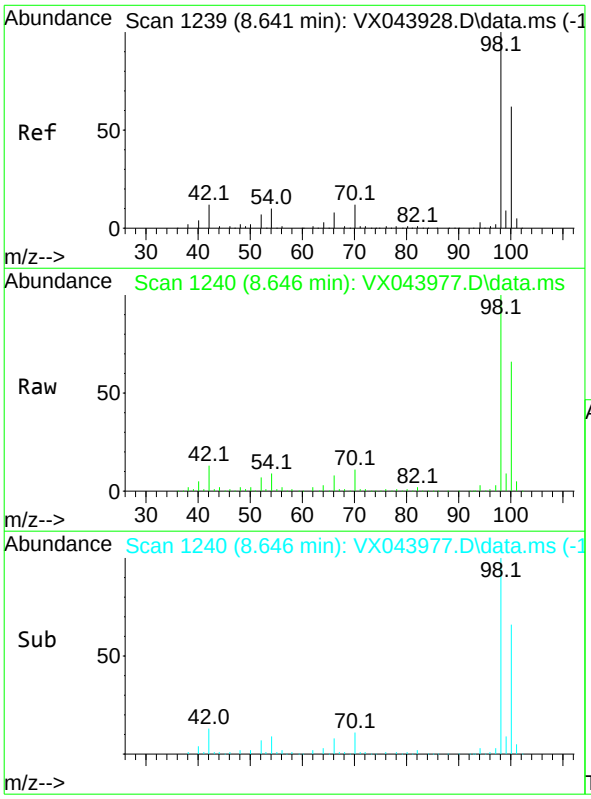
Ion	Ratio	Lower	Upper
88	100		
43	40.1	26.8	40.2
58	71.7	45.4	68.2#



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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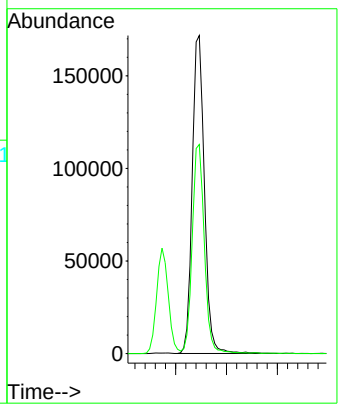
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

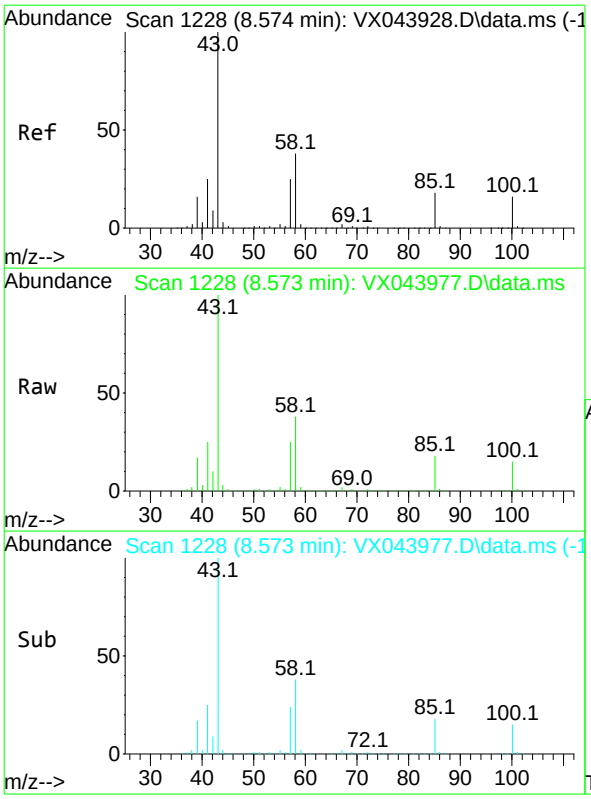


#50
Toluene-d8
Concen: 49.805 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 98 Resp: 285275

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.6	79.0





#51
4-Methyl-2-Pentanone
Concen: 238.823 ug/l
RT: 8.573 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

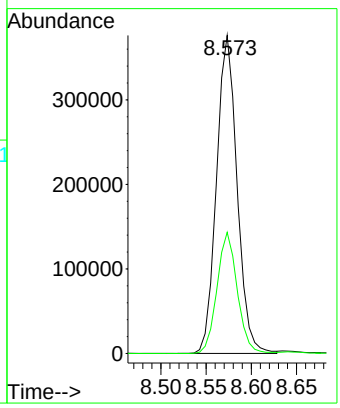
Tgt Ion: 43 Resp: 596153

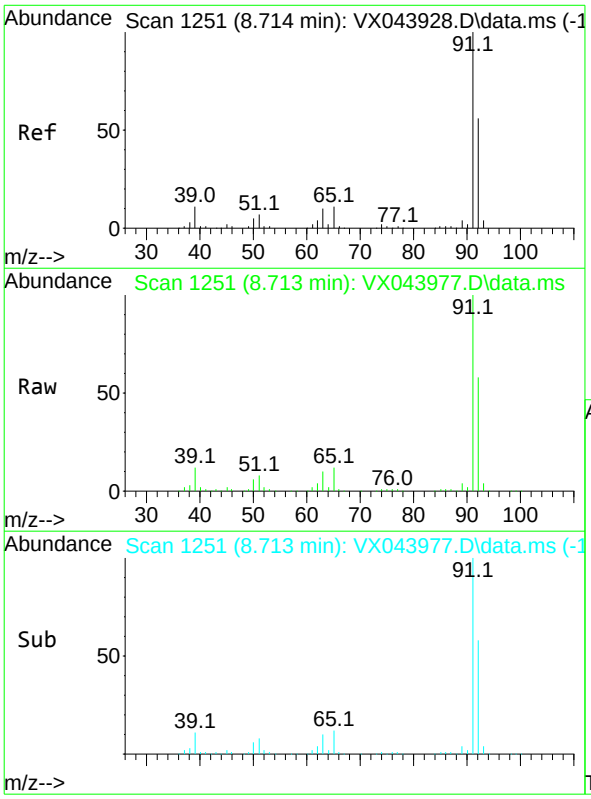
Ion	Ratio	Lower	Upper
43	100		
58	37.5	30.0	45.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

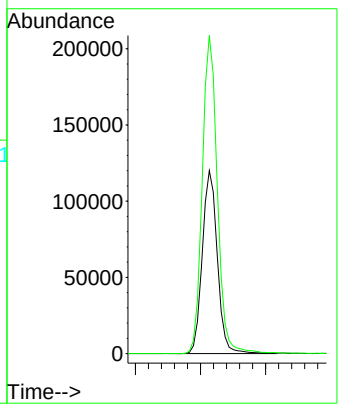


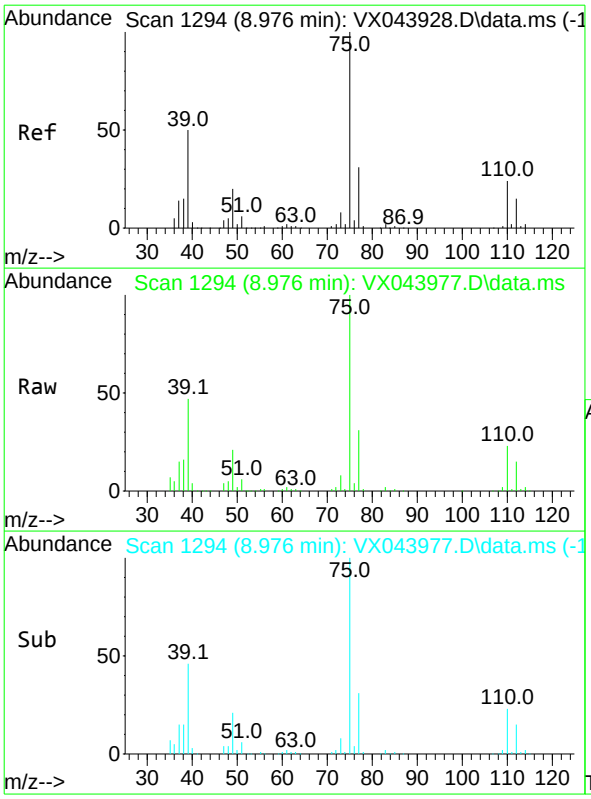


#52
Toluene
Concen: 50.022 ug/l
RT: 8.713 min Scan# 1251
Delta R.T. -0.001 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 92 Resp: 193103

Ion	Ratio	Lower	Upper
92	100		
91	174.5	139.7	209.5

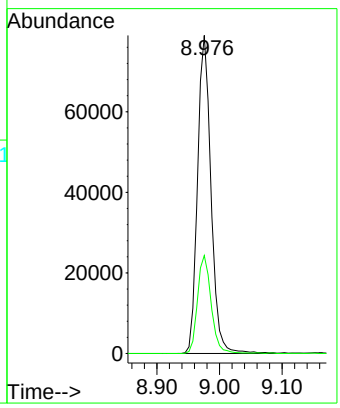




#53
t-1,3-Dichloropropene
Concen: 51.600 ug/l
RT: 8.976 min Scan# 12
Delta R.T. -0.001 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 75 Resp: 117928

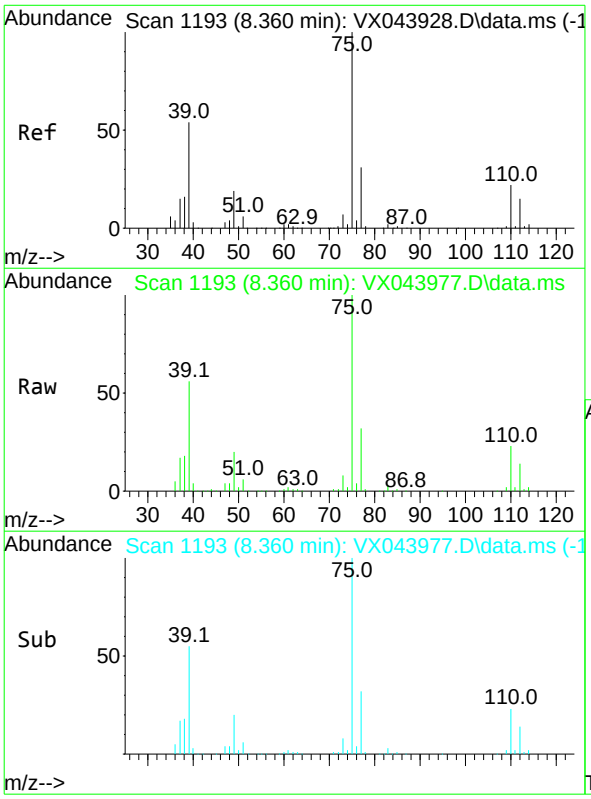
Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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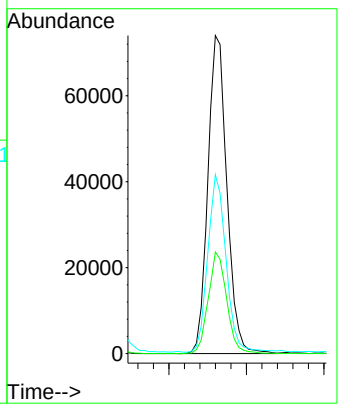
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

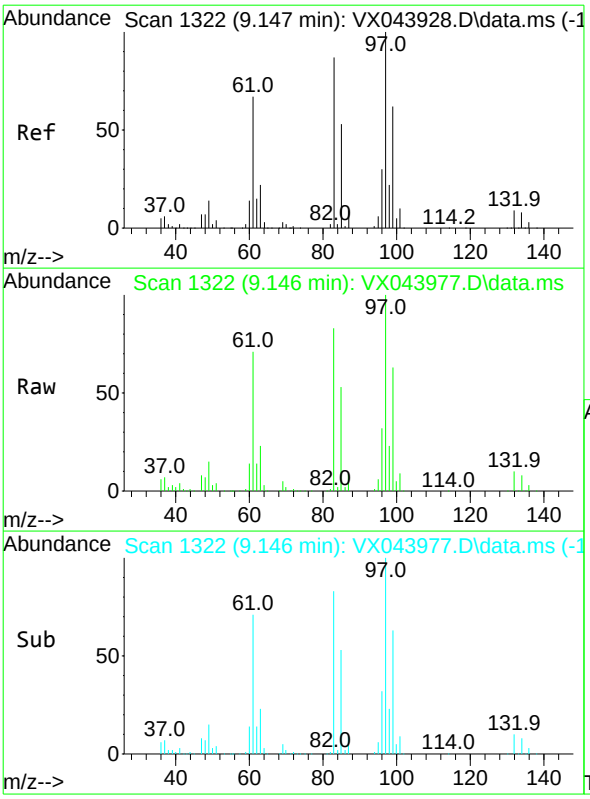


#54
cis-1,3-Dichloropropene
Concen: 50.373 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 75 Resp: 126204

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.2	37.8
39	55.6	43.1	64.7

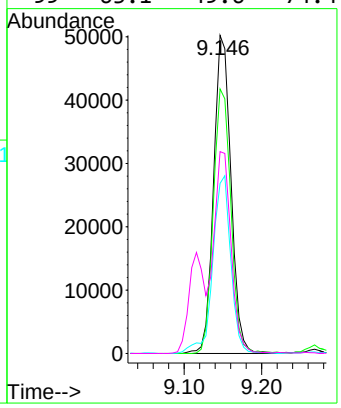




#55
1,1,2-Trichloroethane
Concen: 49.075 ug/l
RT: 9.146 min Scan# 13
Delta R.T. -0.001 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 97 Resp: 78203

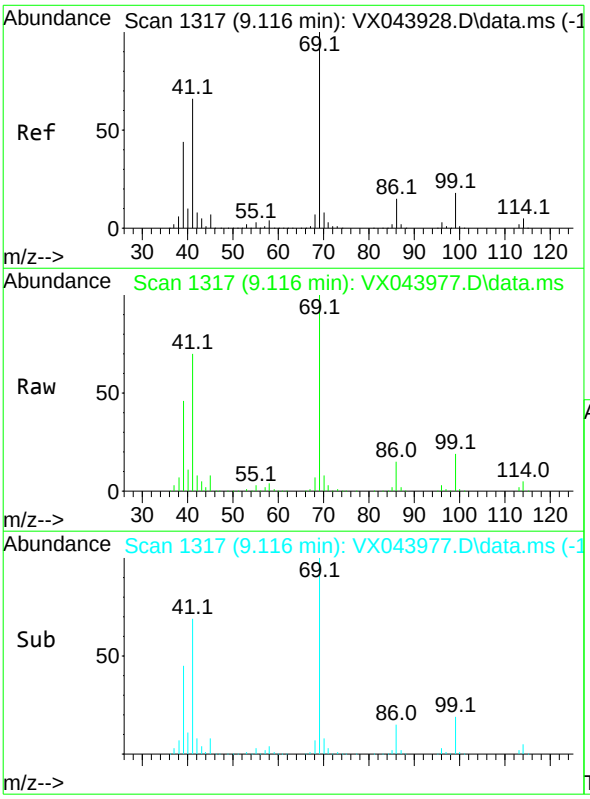
Ion	Ratio	Lower	Upper
97	100		
83	83.2	69.4	104.0
85	53.5	42.3	63.5
99	63.1	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

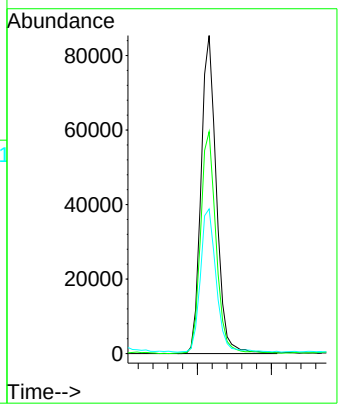
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

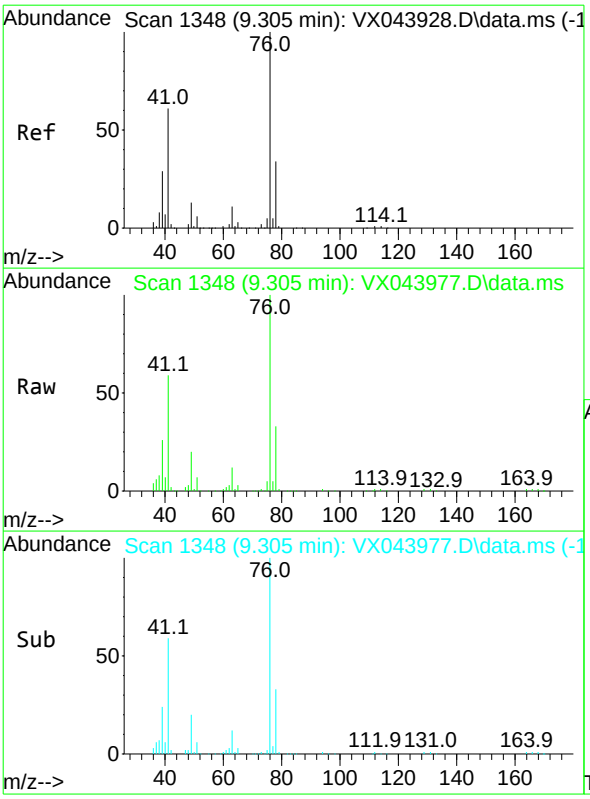


#56
Ethyl methacrylate
Concen: 49.531 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.001 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 69 Resp: 122941

Ion	Ratio	Lower	Upper
69	100		
41	70.7	55.8	83.8
39	46.5	36.7	55.1

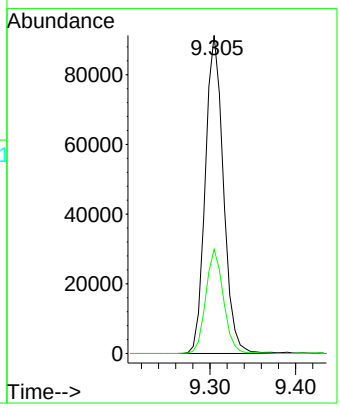




#57
1,3-Dichloropropane
Concen: 49.872 ug/l
RT: 9.305 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 76 Resp: 133878

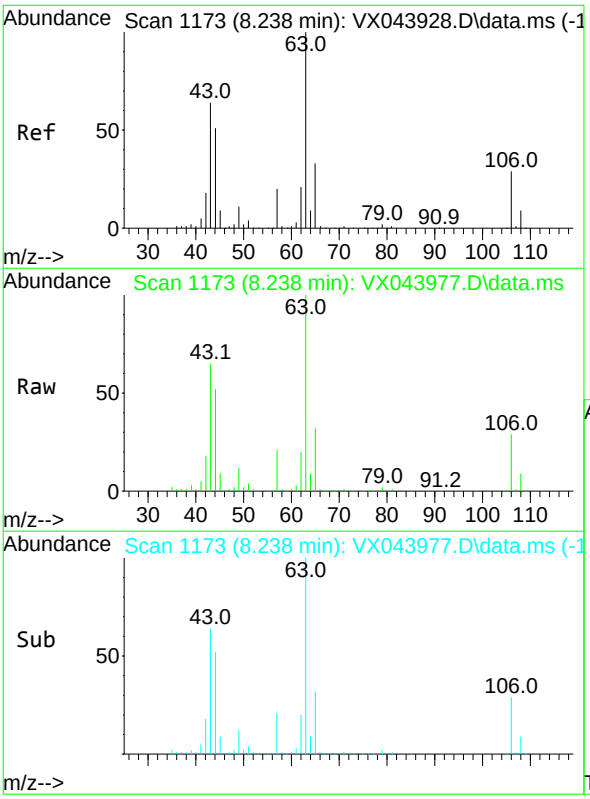
Ion	Ratio	Lower	Upper
76	100		
78	32.0	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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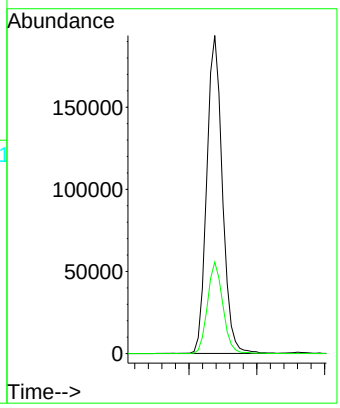
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

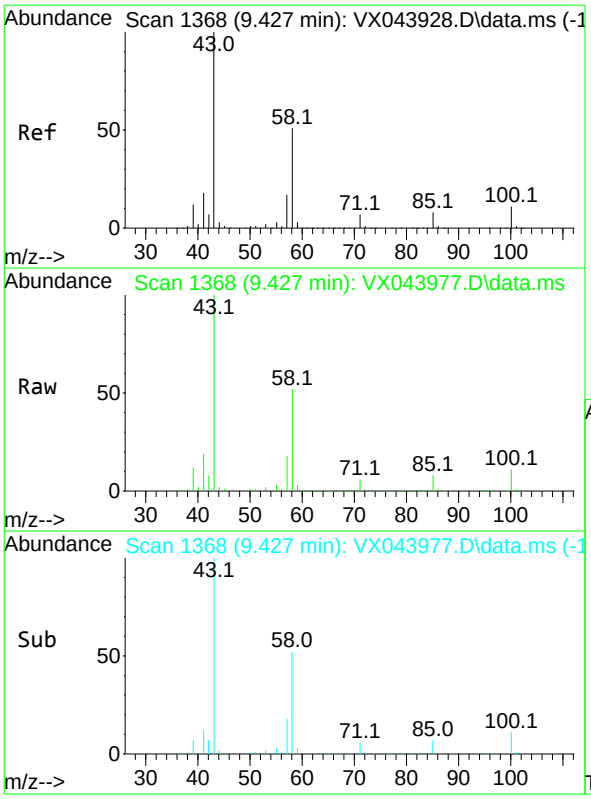


#58
2-Chloroethyl Vinyl ether
Concen: 226.771 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 63 Resp: 308826

Ion	Ratio	Lower	Upper
63	100		
106	28.4	23.0	34.6

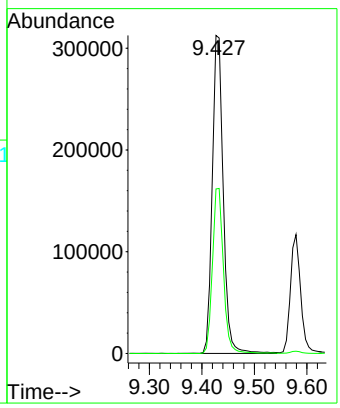




#59
2-Hexanone
Concen: 241.619 ug/l
RT: 9.427 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 43 Resp: 453330

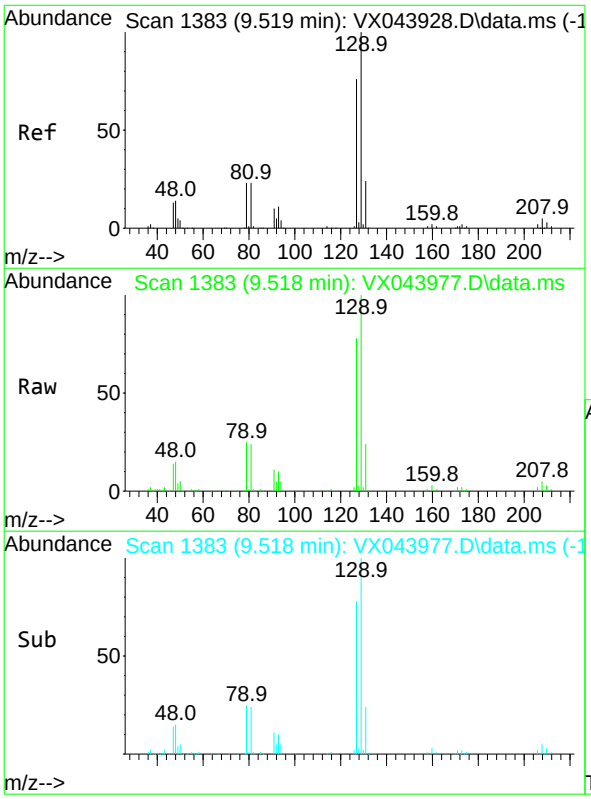
Ion	Ratio	Lower	Upper
43	100		
58	51.8	25.9	77.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

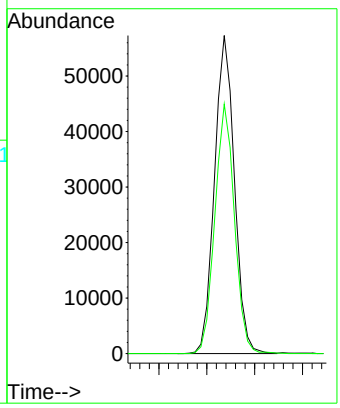
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

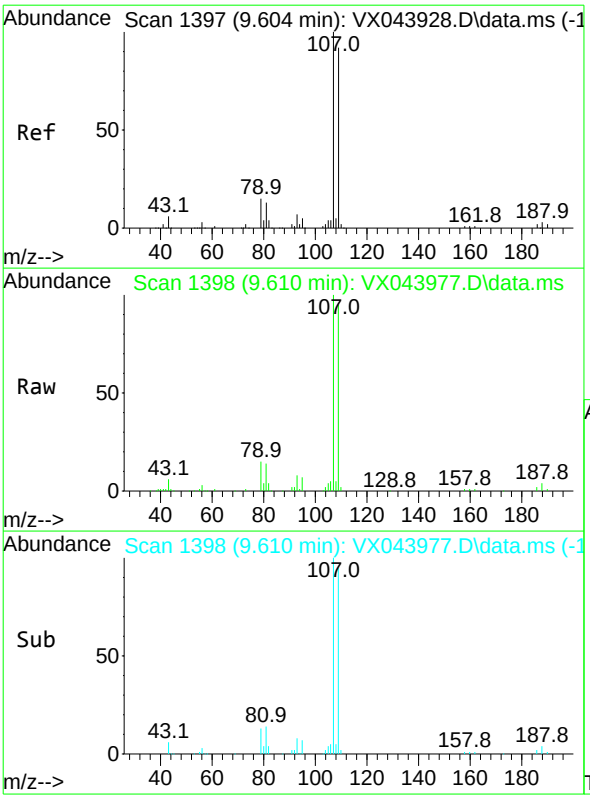


#60
Dibromochloromethane
Concen: 51.814 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:129 Resp: 82843

Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.2	114.6





#61
1,2-Dibromoethane
Concen: 49.645 ug/l
RT: 9.610 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

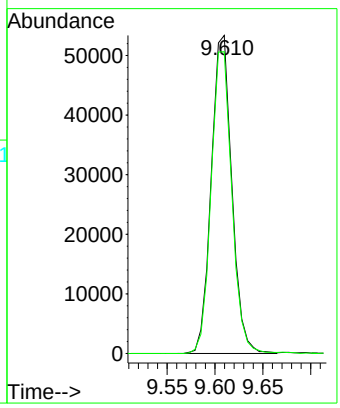
Tgt Ion:107 Resp: 79994

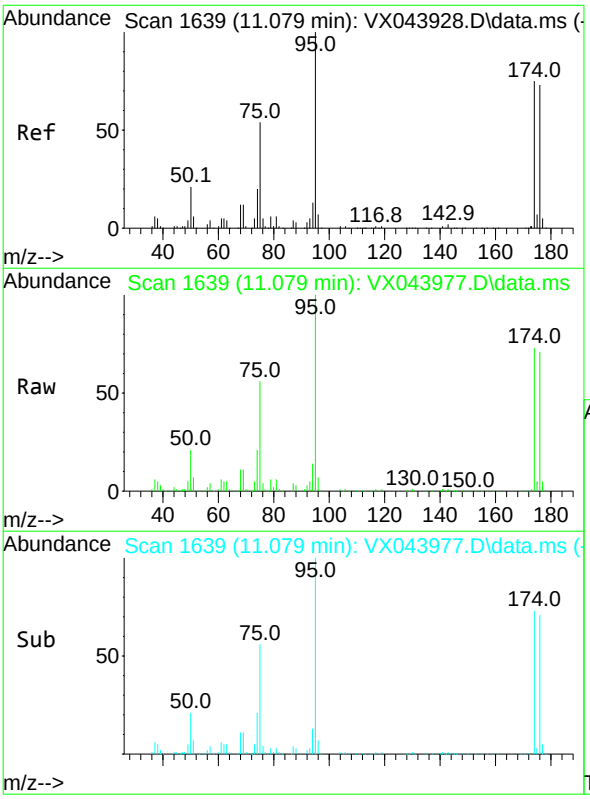
Ion	Ratio	Lower	Upper
107	100		
109	95.5	75.2	112.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

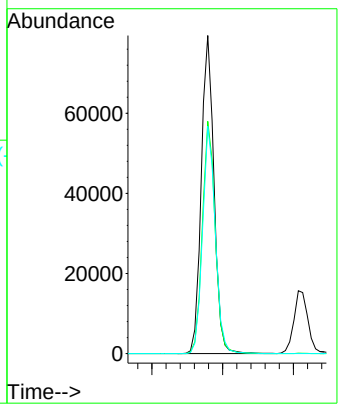


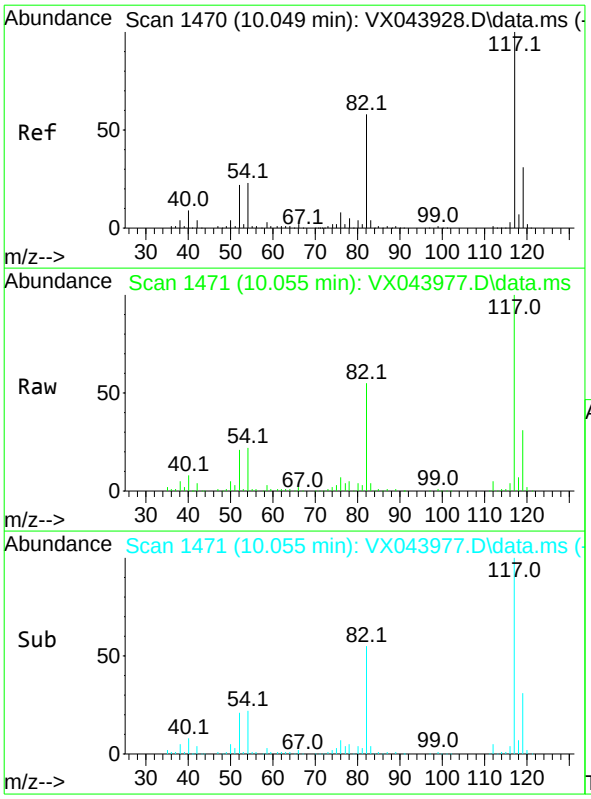


#62
4-Bromofluorobenzene
Concen: 50.783 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 95 Resp: 98993

Ion	Ratio	Lower	Upper
95	100		
174	73.2	0.0	150.4
176	71.7	0.0	146.0

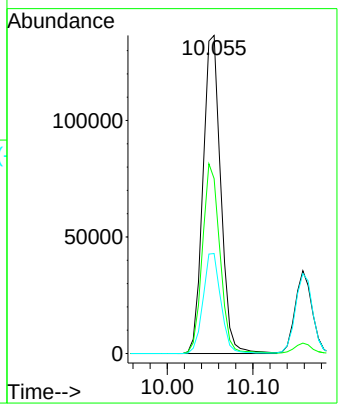




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:117 Resp: 196596

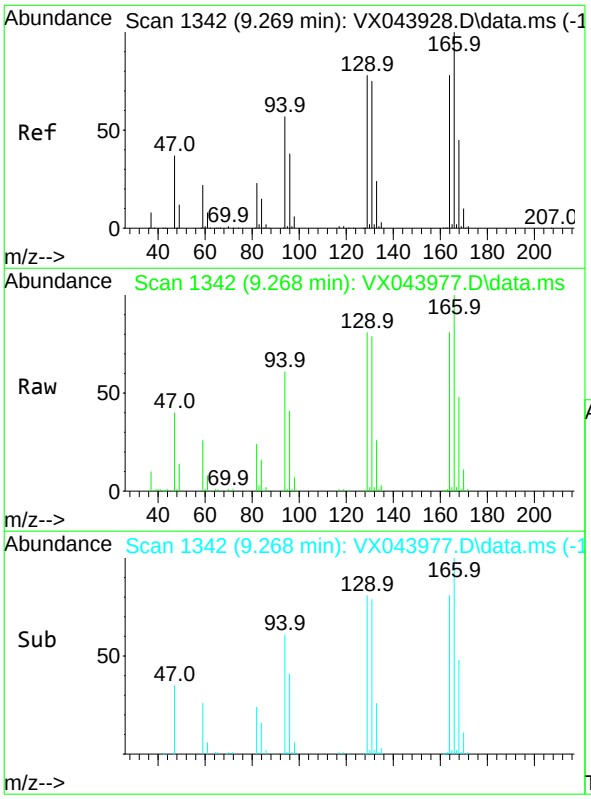
Ion	Ratio	Lower	Upper
117	100		
82	55.0	46.4	69.6
119	31.4	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

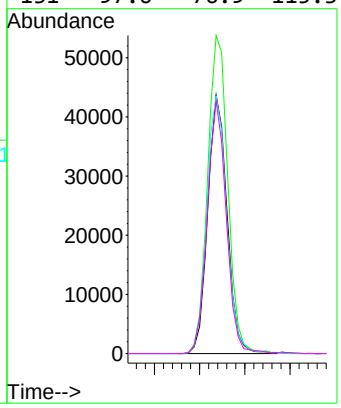
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

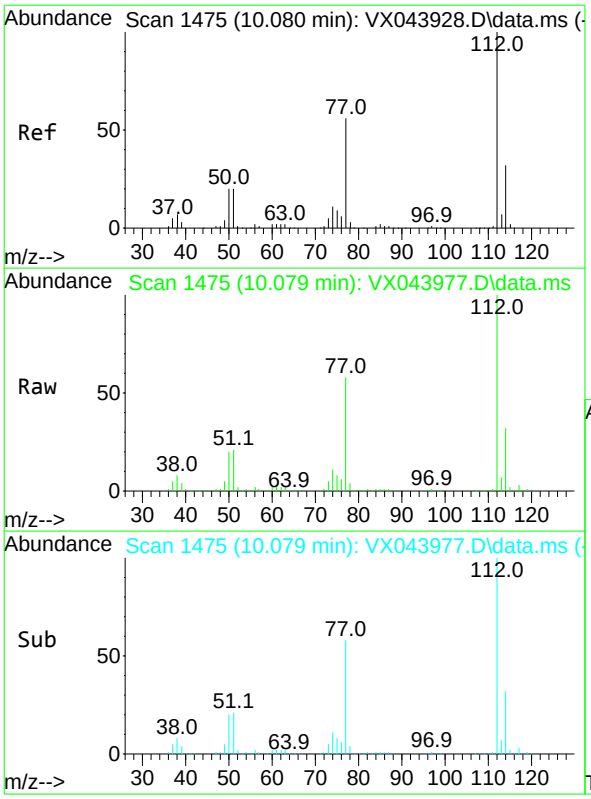


#64
Tetrachloroethene
Concen: 50.133 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:164 Resp: 64988

Ion	Ratio	Lower	Upper
164	100		
166	123.0	102.1	153.1
129	99.5	79.6	119.4
131	97.6	76.9	115.3

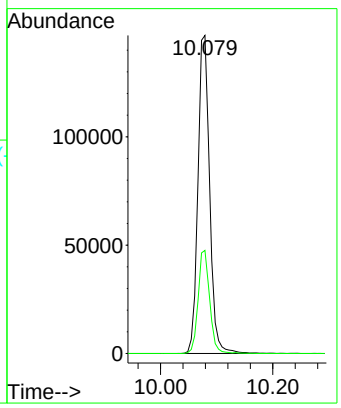




#65
Chlorobenzene
Concen: 49.197 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:112 Resp: 212422

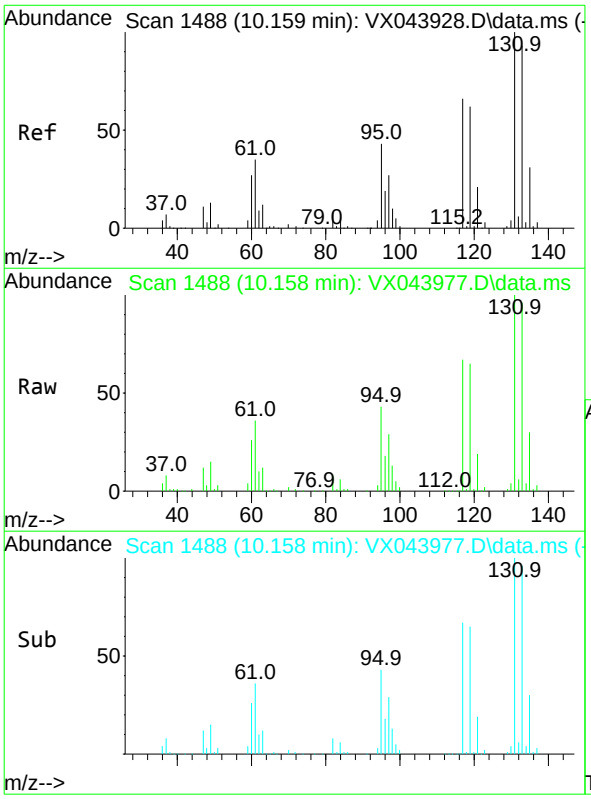
Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

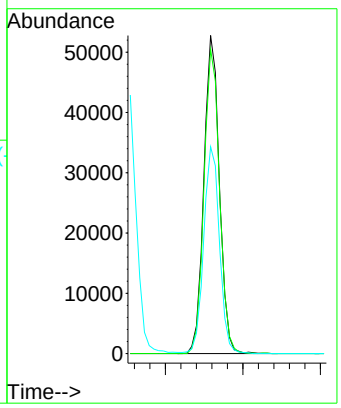
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

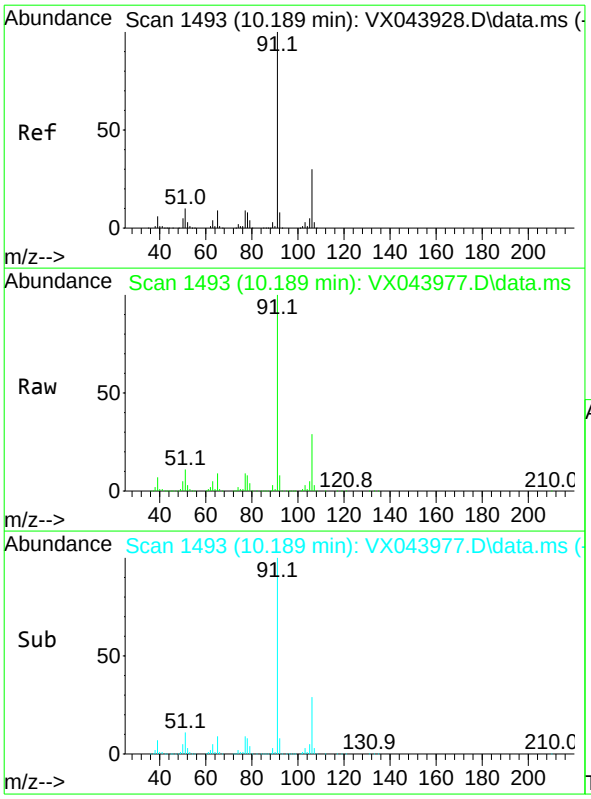


#66
1,1,1,2-Tetrachloroethane
Concen: 52.189 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:131 Resp: 73082

Ion	Ratio	Lower	Upper
131	100		
133	95.9	48.2	144.6
119	66.2	31.5	94.5

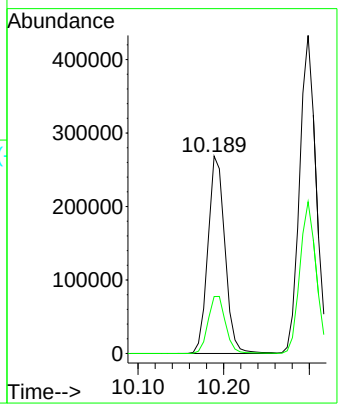




#67
Ethyl Benzene
Concen: 50.561 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 91 Resp: 369929

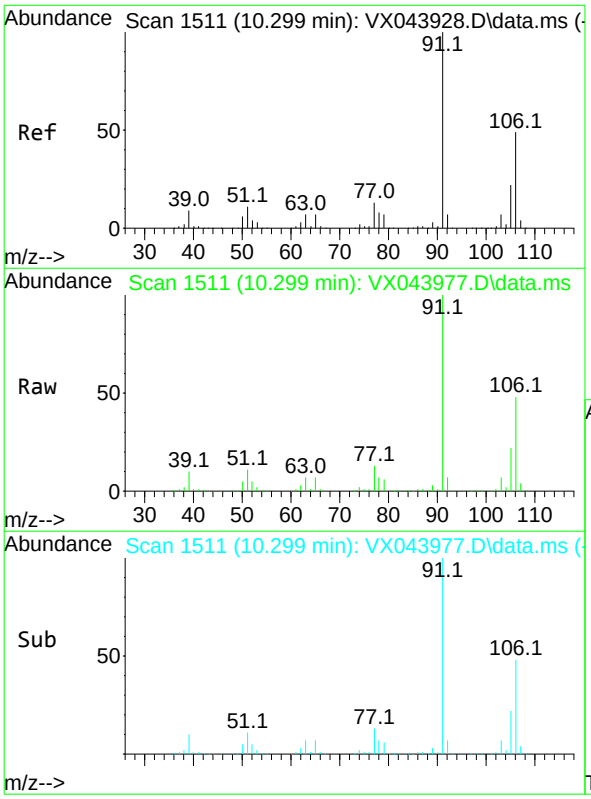
Ion	Ratio	Lower	Upper
91	100		
106	28.8	23.6	35.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

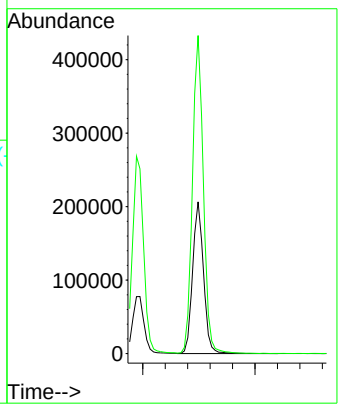
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

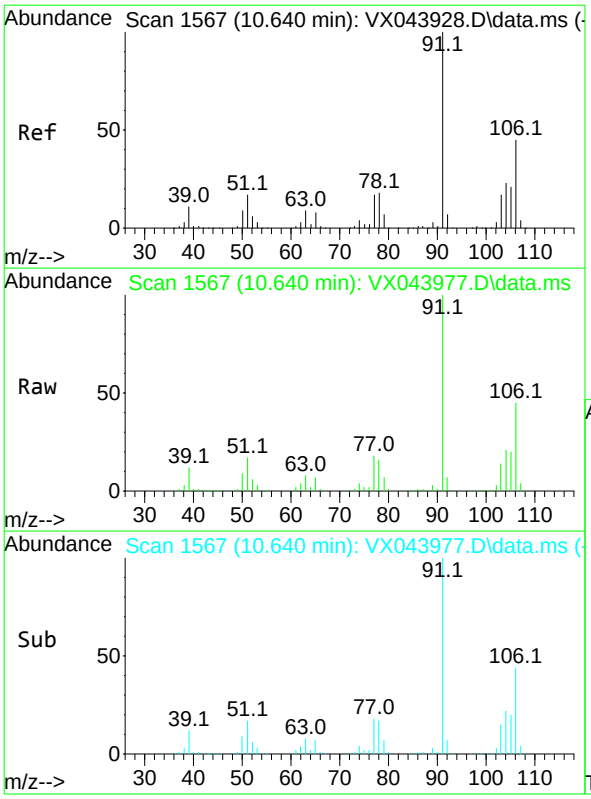


#68
m/p-Xylenes
Concen: 101.696 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.001 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:106 Resp: 277477

Ion	Ratio	Lower	Upper
106	100		
91	210.3	168.1	252.1

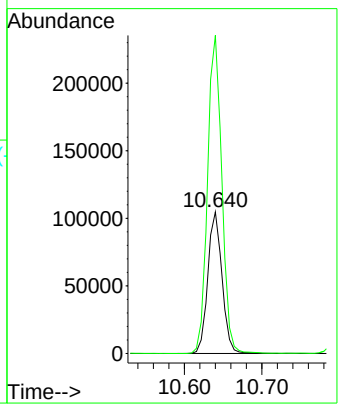




#69
o-Xylene
Concen: 50.067 ug/l
RT: 10.640 min Scan# 15
Delta R.T. -0.001 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:106 Resp: 133377

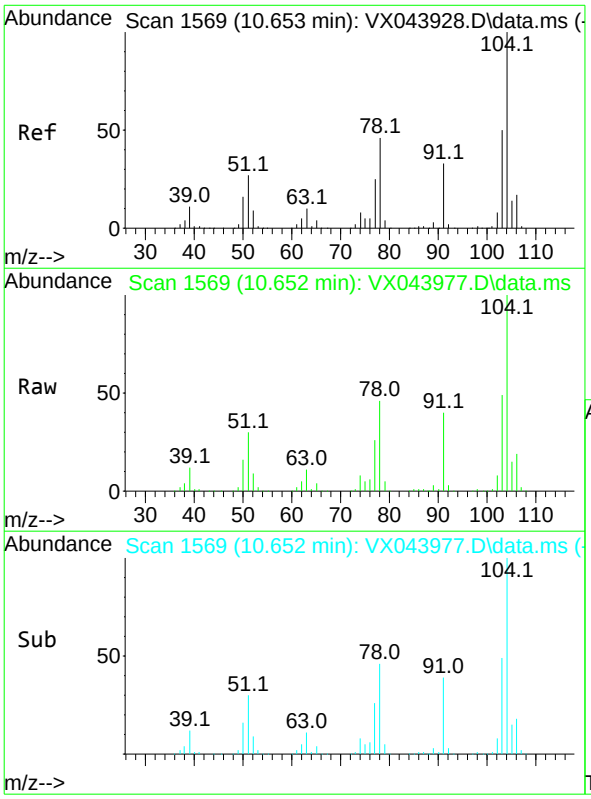
Ion	Ratio	Lower	Upper
106	100		
91	226.0	110.2	330.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

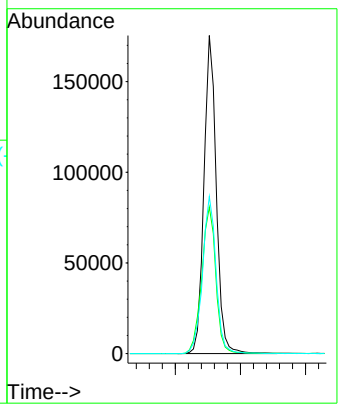
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

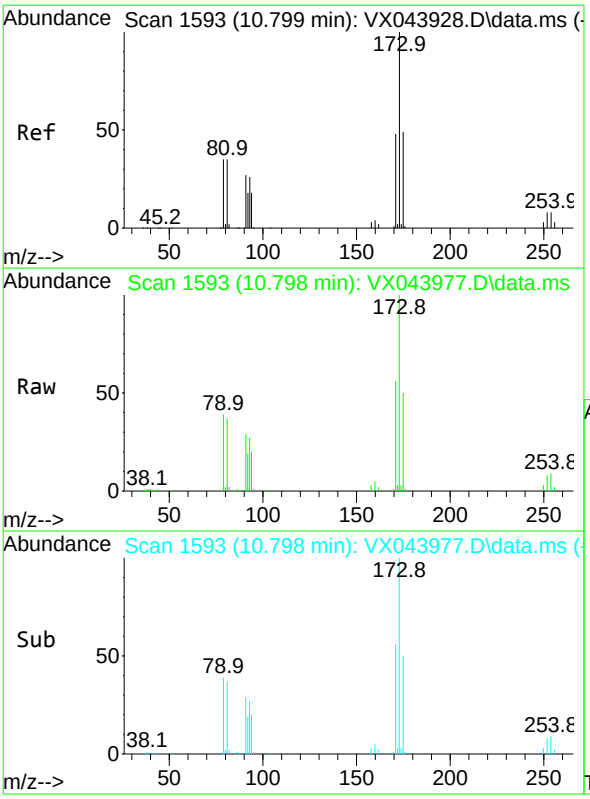


#70
Styrene
Concen: 52.353 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:104 Resp: 230674

Ion	Ratio	Lower	Upper
104	100		
78	52.8	42.2	63.2
103	54.3	44.7	67.1

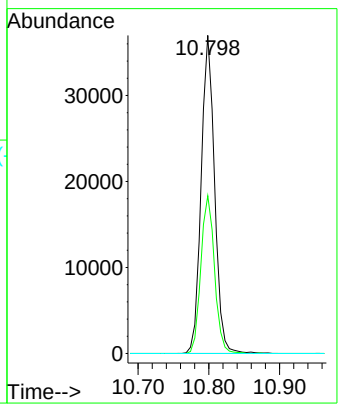




#71
Bromoform
Concen: 46.066 ug/l
RT: 10.798 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:173 Resp: 48701

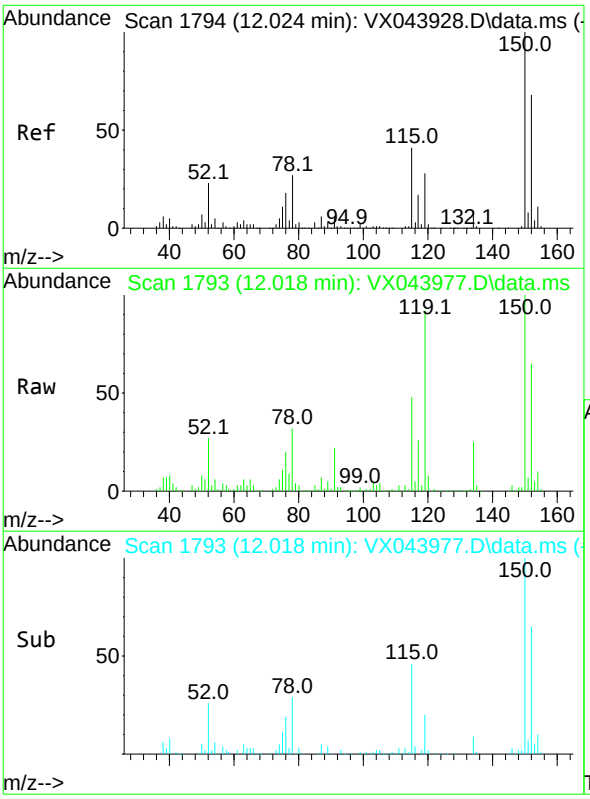
Ion	Ratio	Lower	Upper
173	100		
175	50.4	24.1	72.2
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

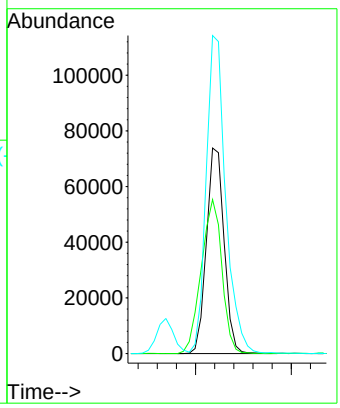
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

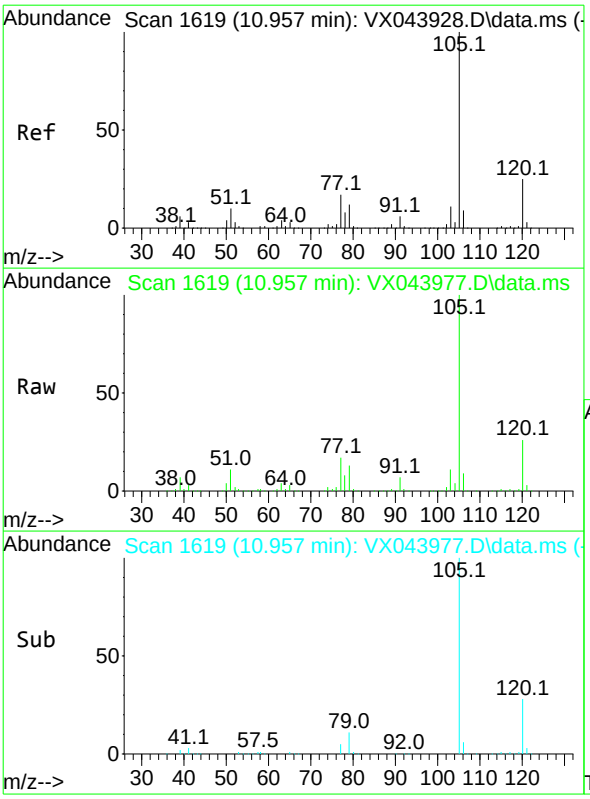


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.007 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:152 Resp: 94886

Ion	Ratio	Lower	Upper
152	100		
115	87.5	45.4	136.2
150	170.8	0.0	353.0

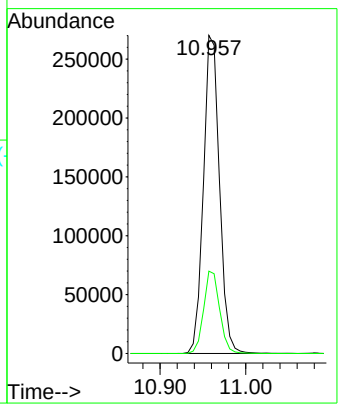




#73
Isopropylbenzene
Concen: 48.163 ug/l
RT: 10.957 min Scan# 16
Delta R.T. -0.001 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:105 Resp: 351294

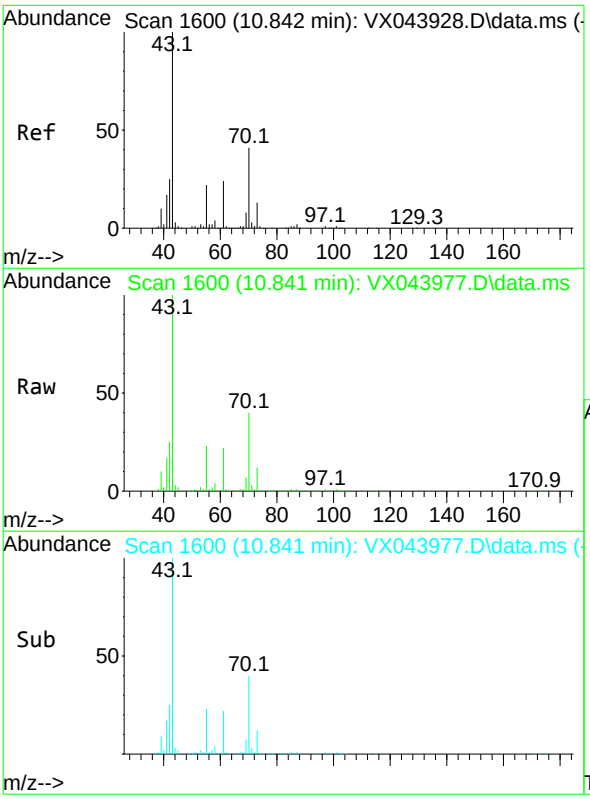
Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.0	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

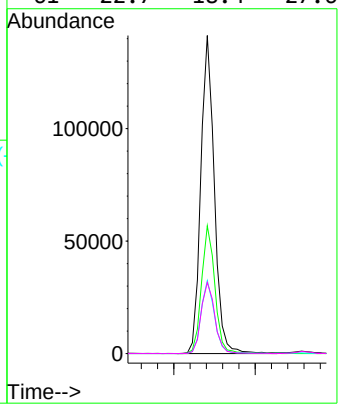
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

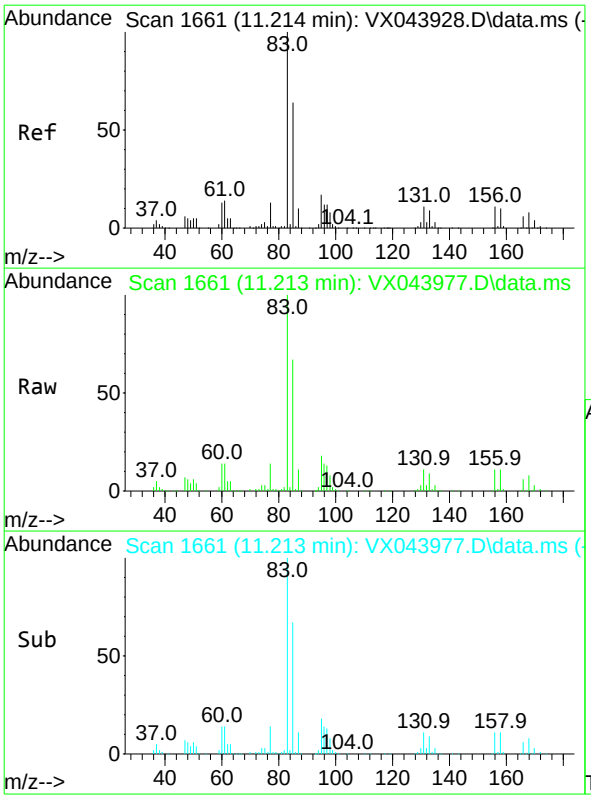


#74
N-amyl acetate
Concen: 48.361 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 43 Resp: 163405

Ion	Ratio	Lower	Upper
43	100		
70	39.7	32.2	48.2
55	22.8	18.1	27.1
61	22.7	18.4	27.6

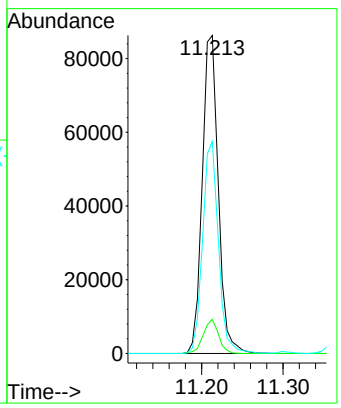




#75
1,1,2,2-Tetrachloroethane
Concen: 47.323 ug/l
RT: 11.213 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 83 Resp: 118187

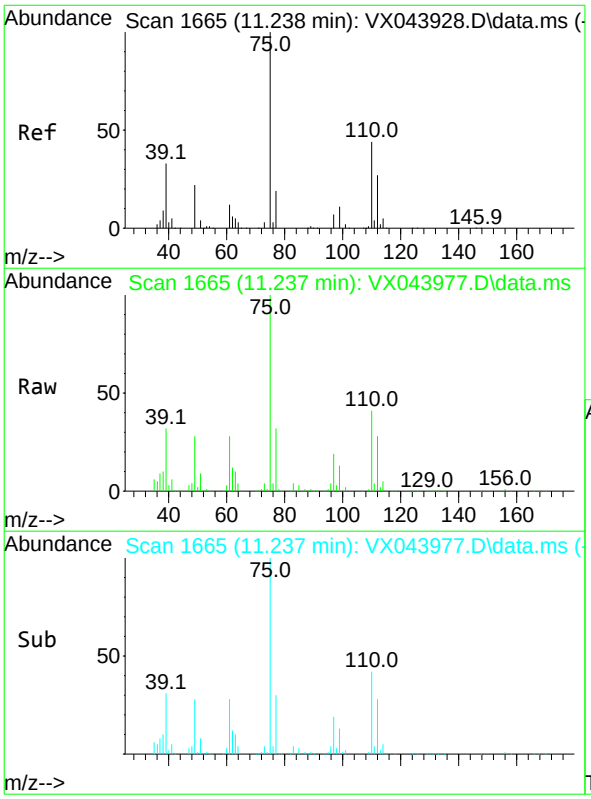
Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.1	15.2
85	65.6	32.2	96.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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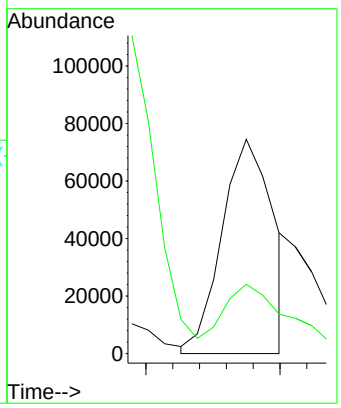
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

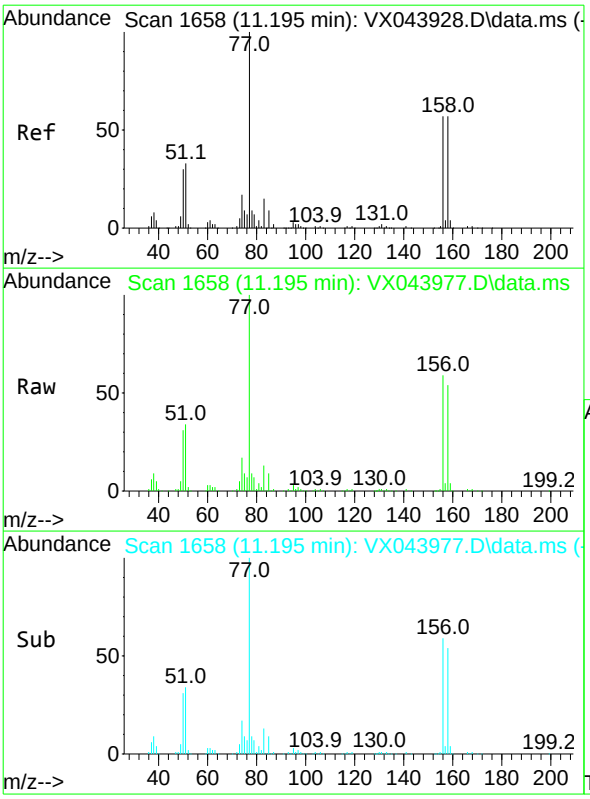


#76
1,2,3-Trichloropropane
Concen: 47.389 ug/l m
RT: 11.237 min Scan# 1665
Delta R.T. -0.001 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 75 Resp: 98609

Ion	Ratio	Lower	Upper
75	100		
77	42.5	21.8	65.3





#77
Bromobenzene
Concen: 48.374 ug/l
RT: 11.195 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

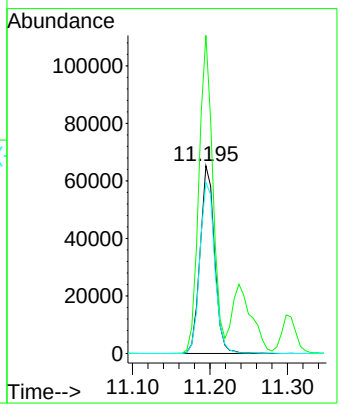
Tgt Ion:156 Resp: 84168

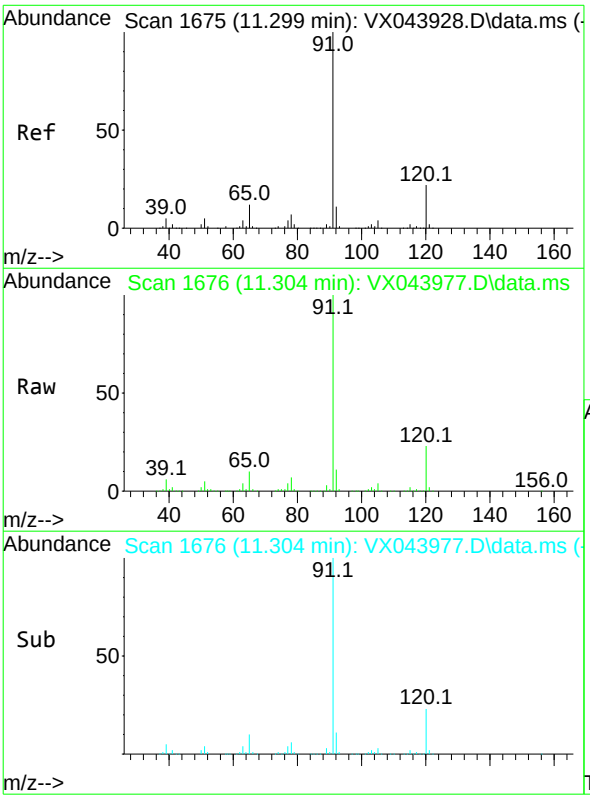
Ion	Ratio	Lower	Upper
156	100		
77	163.8	83.4	250.1
158	94.8	47.6	142.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

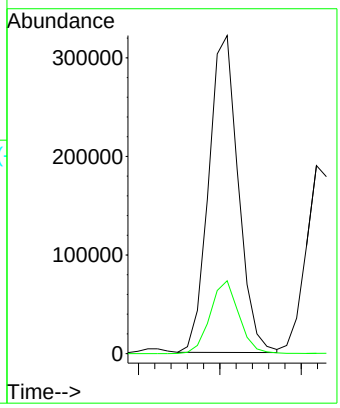


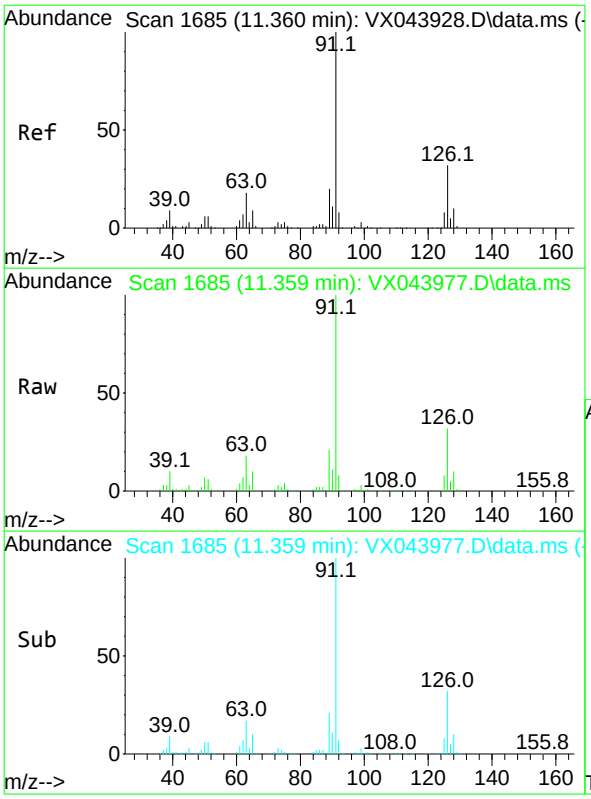


#78
n-propylbenzene
Concen: 49.892 ug/l
RT: 11.304 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 91 Resp: 406428

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.5	34.4





#79
2-Chlorotoluene
Concen: 47.802 ug/l
RT: 11.359 min Scan# 16
Delta R.T. -0.001 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

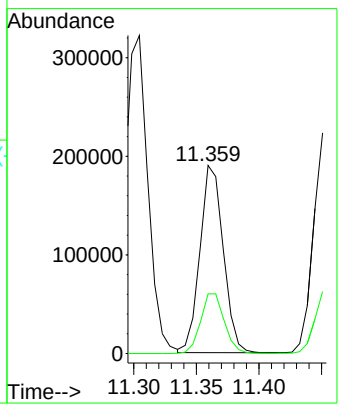
Tgt Ion: 91 Resp: 246237

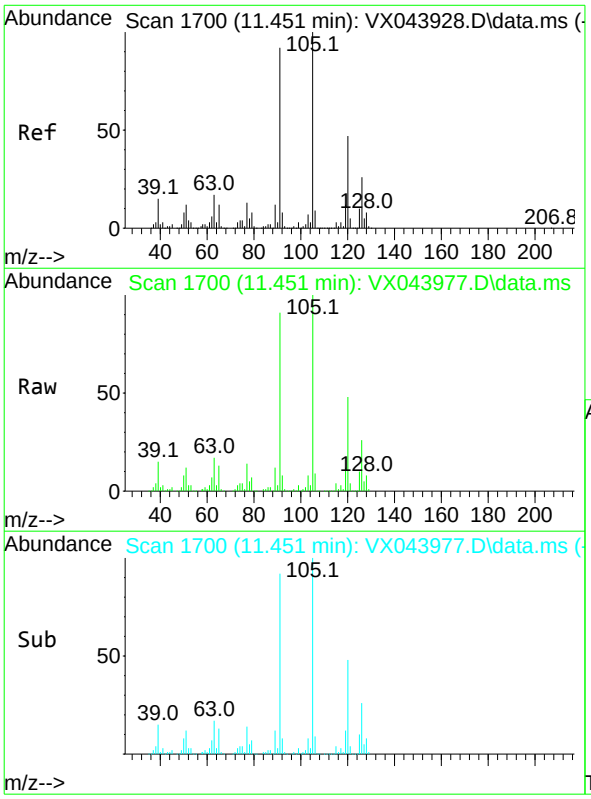
Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.6	49.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

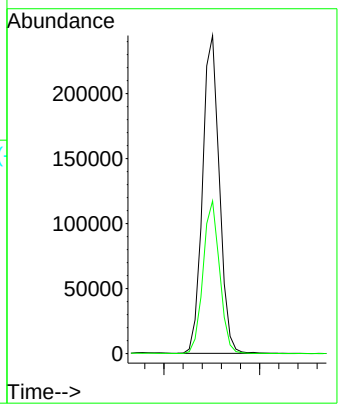


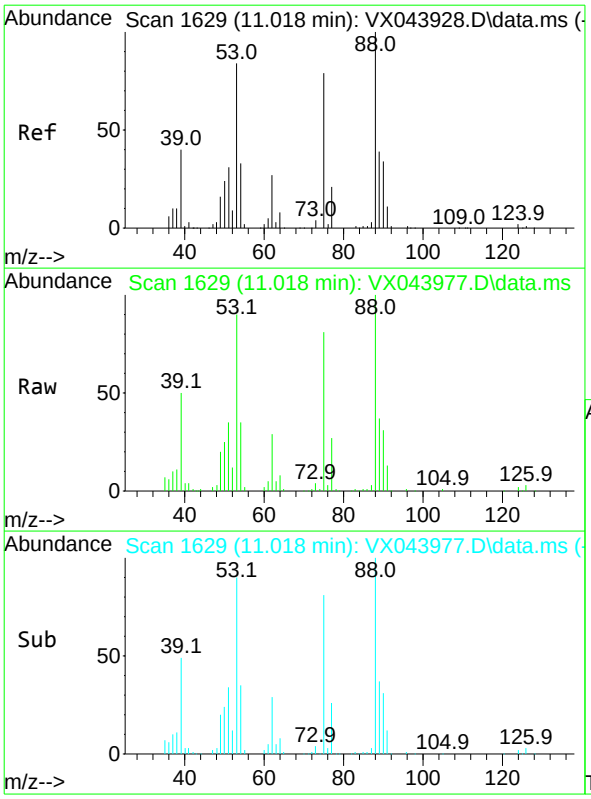


#80
1,3,5-Trimethylbenzene
Concen: 49.689 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:105 Resp: 298167

Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.3	69.8





#81
trans-1,4-Dichloro-2-butene
Concen: 45.951 ug/l
RT: 11.018 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

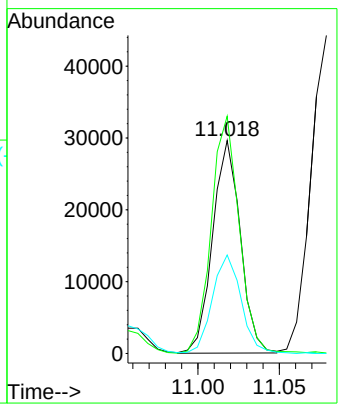
Tgt Ion: 75 Resp: 35040

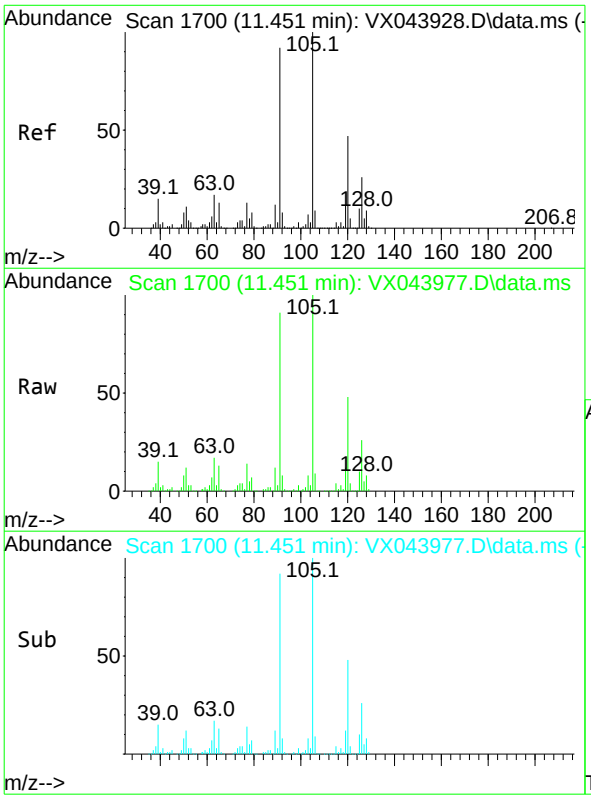
Ion	Ratio	Lower	Upper
75	100		
53	113.2	86.7	130.1
89	48.2	38.2	57.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

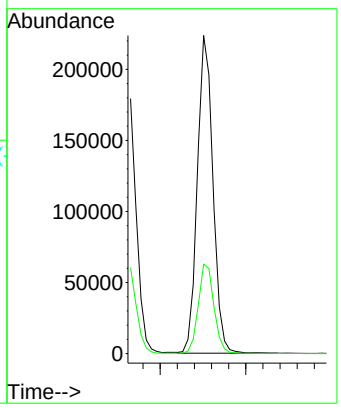


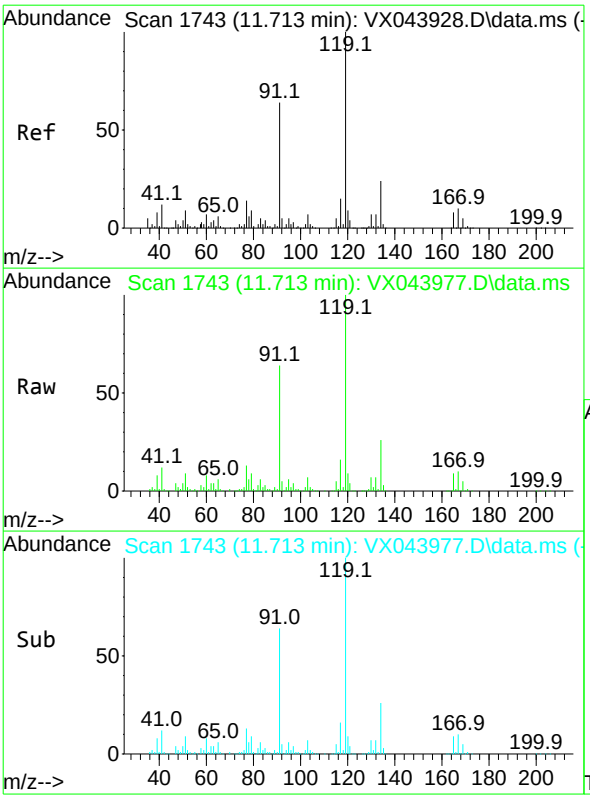


#82
4-Chlorotoluene
Concen: 48.585 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 91 Resp: 282543

Ion	Ratio	Lower	Upper
91	100		
126	28.2	14.3	42.9

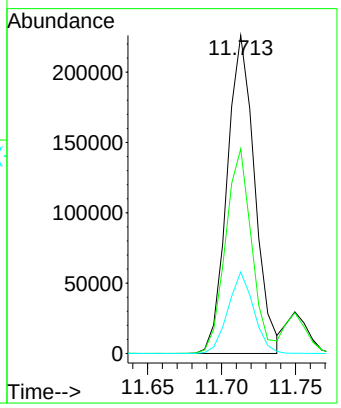




#83
tert-Butylbenzene
Concen: 49.242 ug/l
RT: 11.713 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:119 Resp: 292877

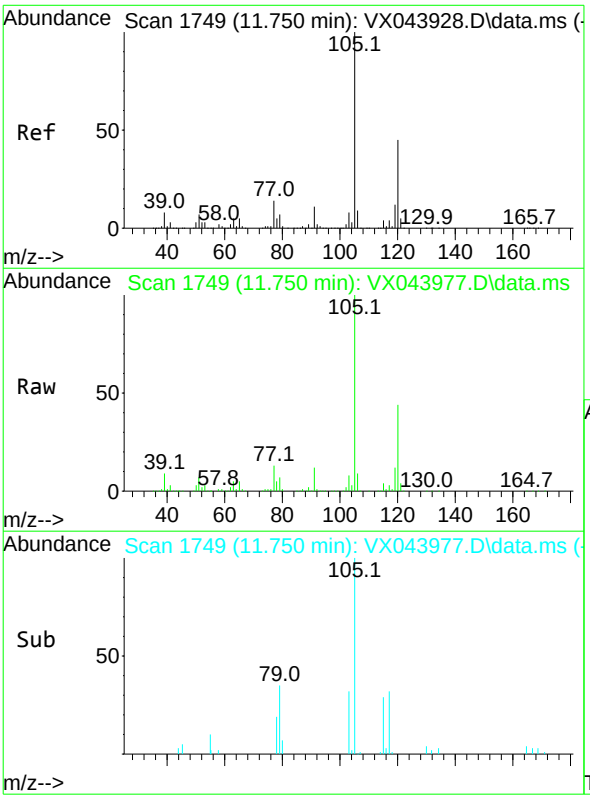
Ion	Ratio	Lower	Upper
119	100		
91	61.5	31.0	93.0
134	23.8	11.6	34.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

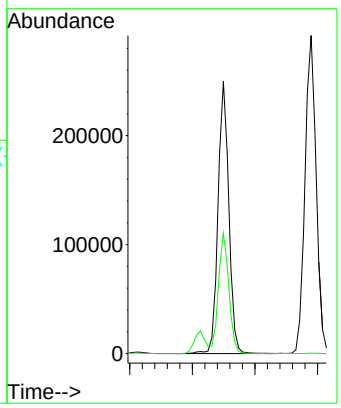
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

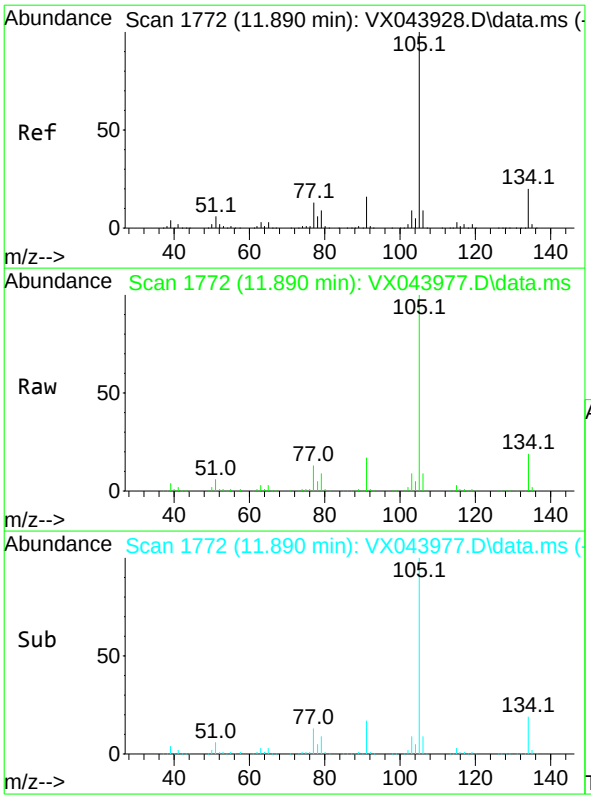


#84
1,2,4-Trimethylbenzene
Concen: 49.987 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:105 Resp: 298636

Ion	Ratio	Lower	Upper
105	100		
120	43.2	21.9	65.7

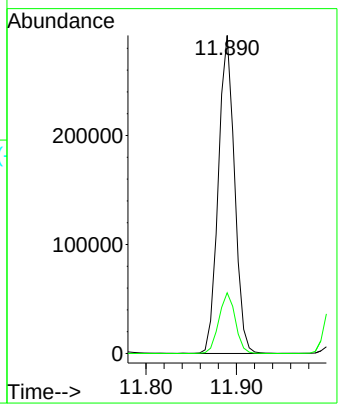




#85
sec-Butylbenzene
Concen: 49.775 ug/l
RT: 11.890 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:105 Resp: 362725

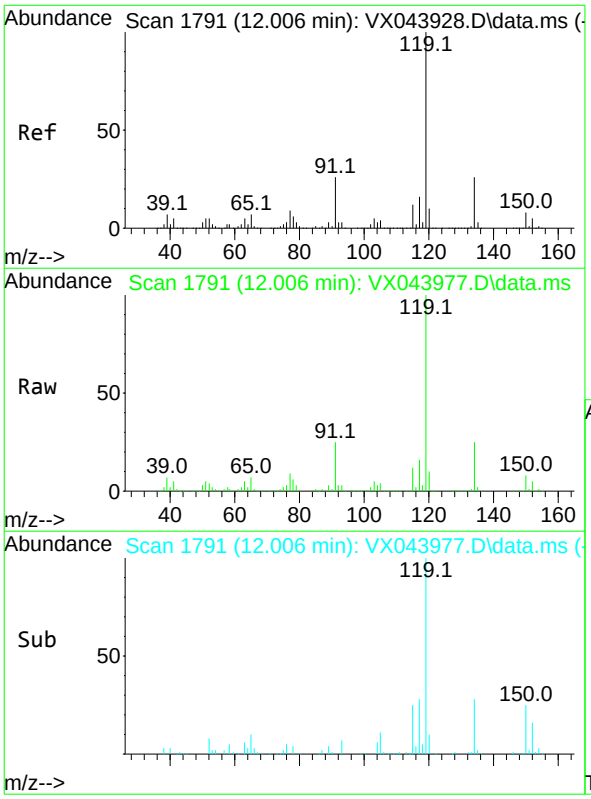
Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	29.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

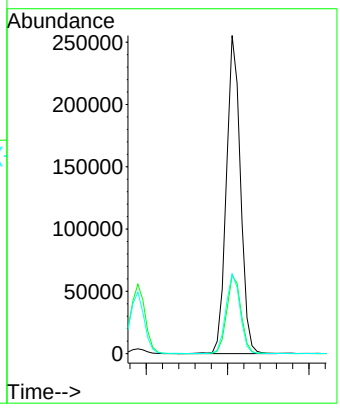
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

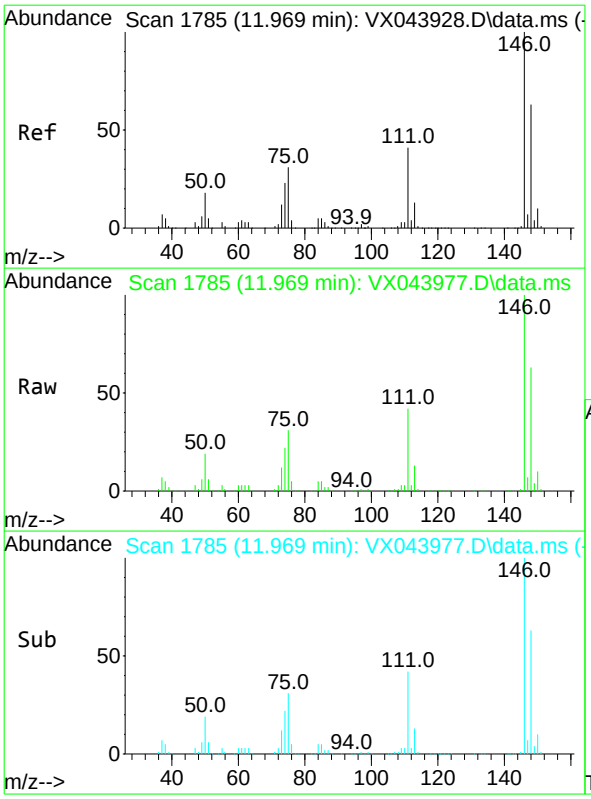


#86
p-Isopropyltoluene
Concen: 51.764 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:119 Resp: 306406

Ion	Ratio	Lower	Upper
119	100		
134	25.0	13.0	38.9
91	25.4	13.0	38.9





#87
1,3-Dichlorobenzene
Concen: 48.622 ug/l
RT: 11.969 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

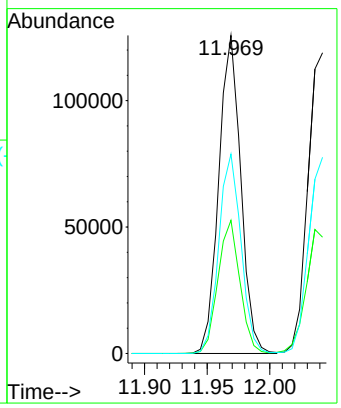
Tgt Ion:146 Resp: 154082

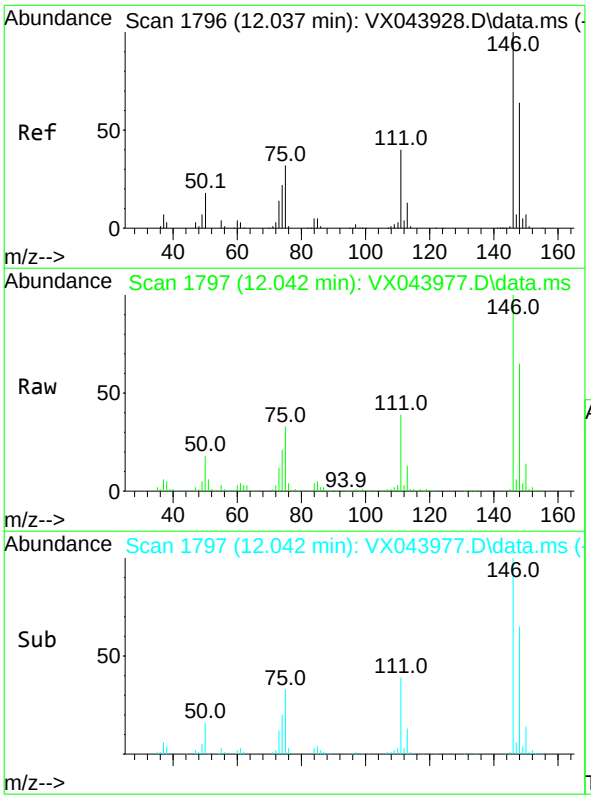
Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.1	63.3
148	63.3	31.7	95.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

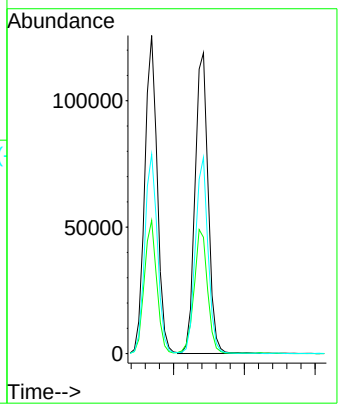


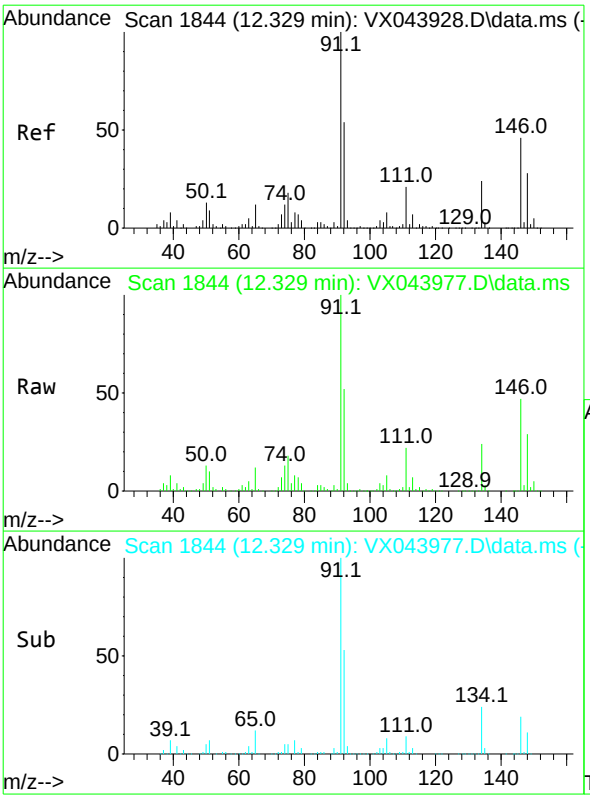


#88
1,4-Dichlorobenzene
Concen: 47.493 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:146 Resp: 153444

Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.1	60.3
148	62.8	30.9	92.8





#89
n-Butylbenzene
Concen: 50.989 ug/l
RT: 12.329 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

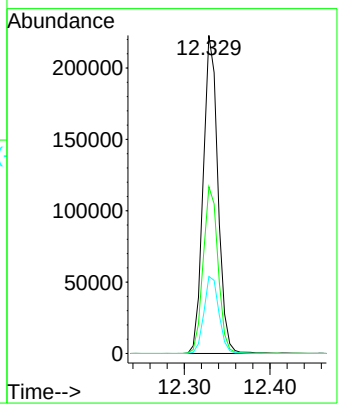
Tgt Ion: 91 Resp: 266108

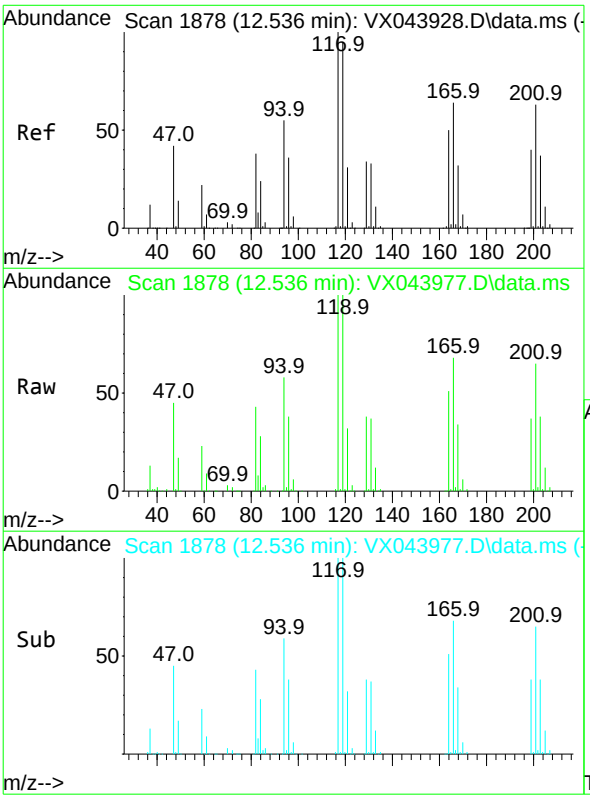
Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.6	79.8
134	24.6	12.4	37.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

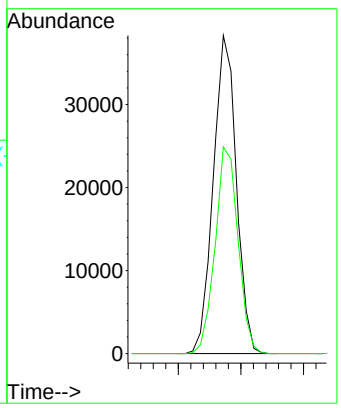


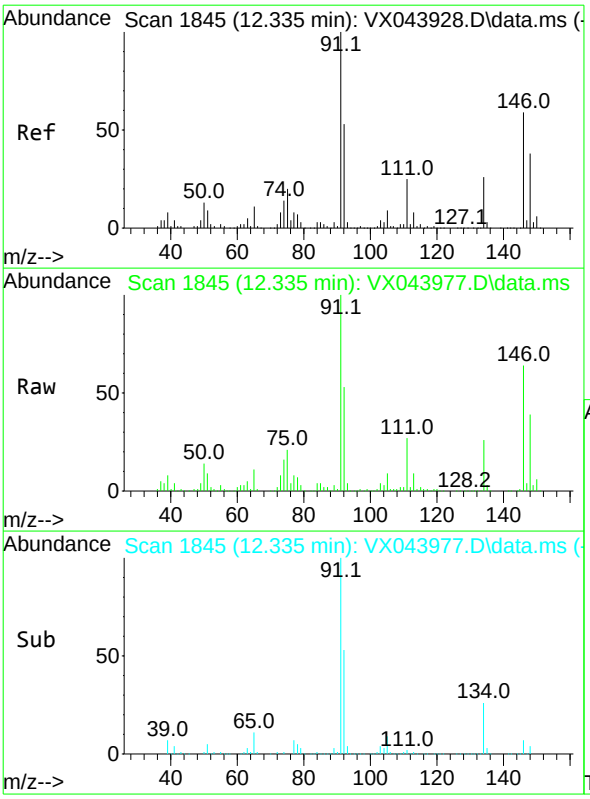


#90
Hexachloroethane
Concen: 48.643 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.001 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:117 Resp: 48961

Ion	Ratio	Lower	Upper
117	100		
201	64.7	32.4	97.0





#91
1,2-Dichlorobenzene
Concen: 48.588 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

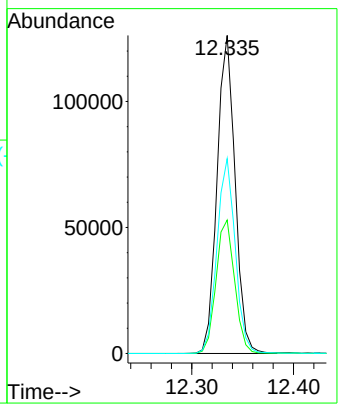
Tgt Ion:146 Resp: 155387

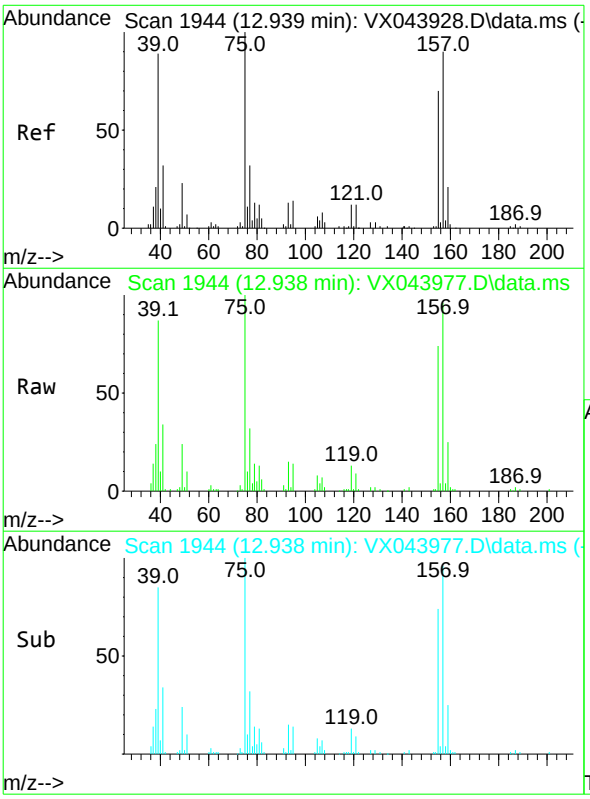
Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.5	64.5
148	62.2	31.9	95.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

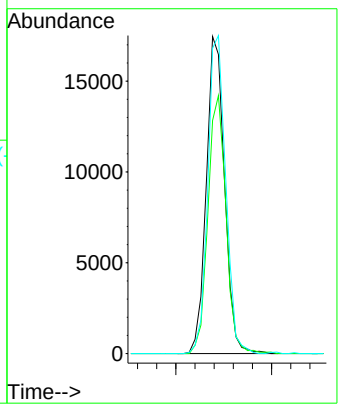


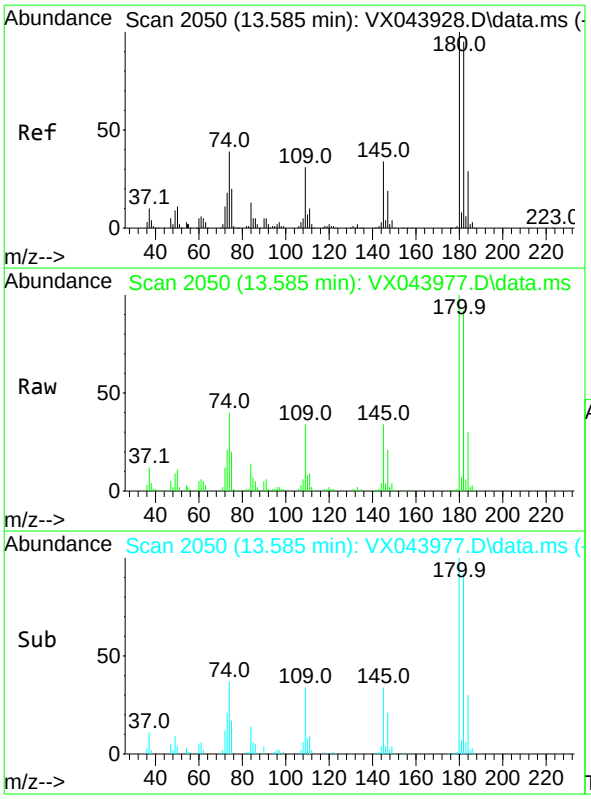


#92
1,2-Dibromo-3-Chloropropane
Concen: 46.127 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.001 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 75 Resp: 23083

Ion	Ratio	Lower	Upper
75	100		
155	80.6	40.1	120.2
157	98.4	49.6	149.0





#93
1,2,4-Trichlorobenzene
Concen: 47.992 ug/l
RT: 13.585 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

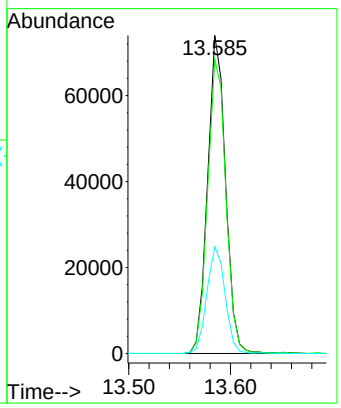
Tgt Ion:180 Resp: 90486

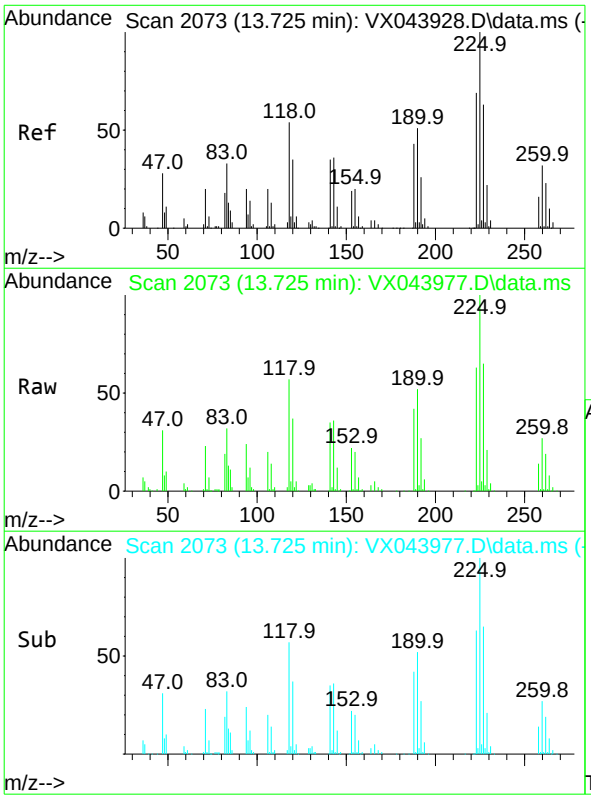
Ion	Ratio	Lower	Upper
180	100		
182	94.3	48.0	144.2
145	34.2	16.8	50.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

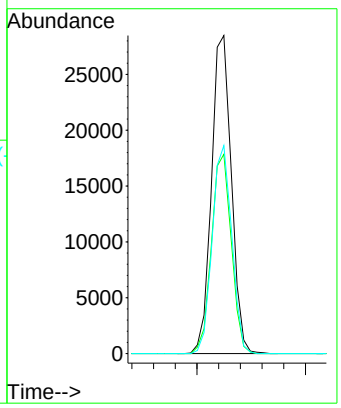


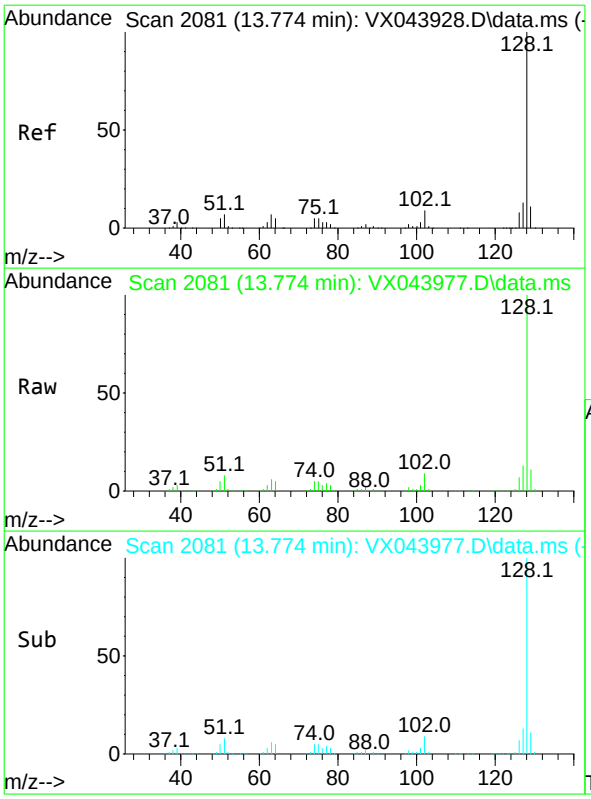


#94
Hexachlorobutadiene
Concen: 48.575 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:225 Resp: 36196

Ion	Ratio	Lower	Upper
225	100		
223	62.6	32.9	98.6
227	64.2	31.6	94.8

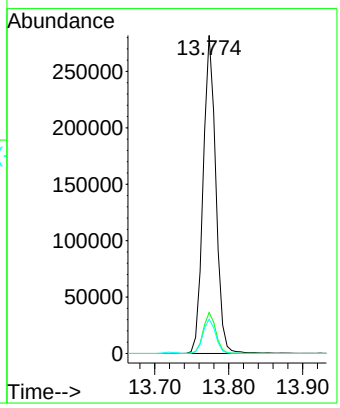




#95
Naphthalene
Concen: 49.325 ug/l
RT: 13.774 min Scan# 20
Delta R.T. -0.001 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:128 Resp: 334769

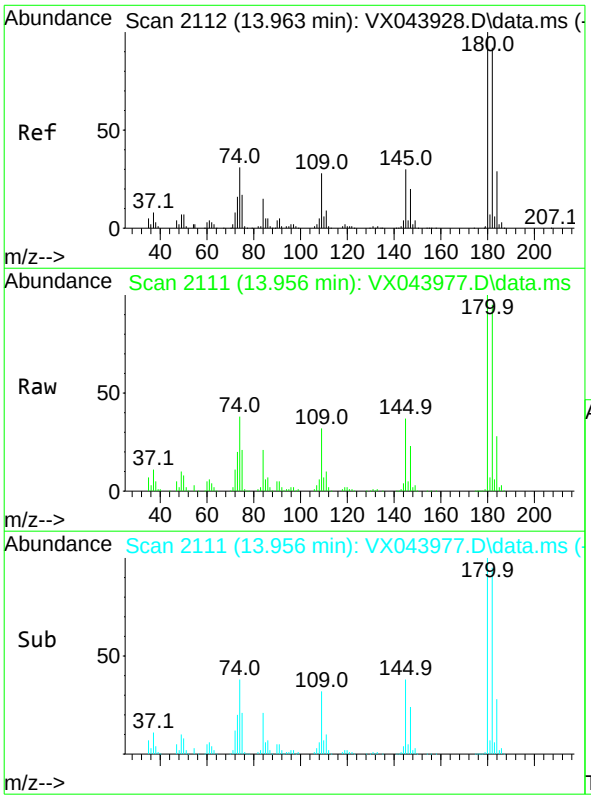
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.9	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

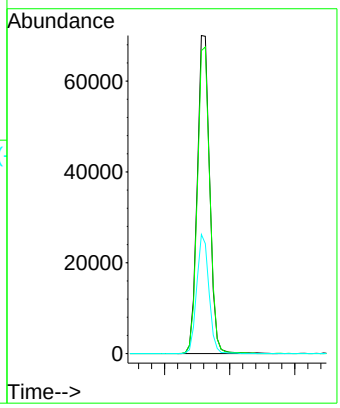
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024



#96
1,2,3-Trichlorobenzene
Concen: 48.584 ug/l
RT: 13.956 min Scan# 2111
Delta R.T. -0.007 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:180 Resp: 92716

Ion	Ratio	Lower	Upper
180	100		
182	96.5	45.6	136.8
145	36.7	16.4	49.4



Sample Results: **VX043977.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043977.D
Acq On : 25 Nov 2024 11:27
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 26 00:43:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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	96	0.00
2	T	Dichlorodifluoromethane	0.633	0.589	7.0	82	0.00
3	P	Chloromethane	0.667	0.624	6.4	86	0.00
4	C	Vinyl Chloride	0.709	0.656	7.5#	82	0.00
5	T	Bromomethane	0.436	0.450	-3.2	97	0.00
6	T	Chloroethane	0.432	0.419	3.0	87	0.00
7	T	Trichlorofluoromethane	1.268	1.137	10.3	80	0.00
8	T	Diethyl Ether	0.462	0.437	5.4	88	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.605	0.576	4.8	84	0.00
10	T	Methyl Iodide	0.755	0.722	4.4	85	0.00
11	T	Tert butyl alcohol	0.138	0.121	12.3	80	0.00
12	CM	1,1-Dichloroethene	0.576	0.531	7.8#	85	0.00
13	T	Acrolein	0.145	0.130	10.3	86	0.00
14	T	Allyl chloride	0.941	0.886	5.8	81	0.00
15	T	Acrylonitrile	0.335	0.321	4.2	83	0.00
16	T	Acetone	0.394	0.361	8.4	81	0.00
17	T	Carbon Disulfide	1.188	1.050	11.6	78	0.00
18	T	Methyl Acetate	0.917	0.854	6.9	83	0.00
19	T	Methyl tert-butyl Ether	2.092	2.024	3.3	86	0.00
20	T	Methylene Chloride	0.668	0.625	6.4	90	0.00
21	T	trans-1,2-Dichloroethene	0.595	0.560	5.9	85	0.00
22	T	Diisopropyl ether	2.013	1.981	1.6	88	0.00
23	T	Vinyl Acetate	1.722	1.711	0.6	84	0.00
24	P	1,1-Dichloroethane	1.161	1.131	2.6	86	0.00
25	T	2-Butanone	0.508	0.480	5.5	81	0.00
26	T	2,2-Dichloropropane	1.049	0.994	5.2	83	0.00
27	T	cis-1,2-Dichloroethene	0.735	0.712	3.1	86	0.00
28	T	Bromochloromethane	0.511	0.489	4.3	104	0.00
29	T	Tetrahydrofuran	0.312	0.290	7.1	82	0.00
30	C	Chloroform	1.249	1.232	1.4#	90	0.00
31	T	Cyclohexane	0.956	0.884	7.5	81	0.00
32	T	1,1,1-Trichloroethane	1.077	1.056	1.9	85	0.00
33	S	1,2-Dichloroethane-d4	0.858	0.840	2.1	107	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	96	0.00
35	S	Dibromofluoromethane	0.357	0.360	-0.8	106	0.00
36	T	1,1-Dichloropropene	0.445	0.437	1.8	85	0.00
37	T	Ethyl Acetate	0.553	0.512	7.4	81	0.00
38	T	Carbon Tetrachloride	0.500	0.507	-1.4	88	0.00
39	T	Methylcyclohexane	0.578	0.553	4.3	81	0.00
40	TM	Benzene	1.387	1.357	2.2	87	0.00
41	T	Methacrylonitrile	0.283	0.272	3.9	80	0.00
42	TM	1,2-Dichloroethane	0.557	0.546	2.0	87	0.00
43	T	Isopropyl Acetate	0.880	0.849	3.5	84	0.00
44	TM	Trichloroethene	0.393	0.334	15.0	86	0.00
45	C	1,2-Dichloropropane	0.340	0.339	0.3#	88	0.00
46	T	Dibromomethane	0.269	0.271	-0.7	89	0.00
47	T	Bromodichloromethane	0.482	0.500	-3.7	89	0.00
48	T	Methyl methacrylate	0.422	0.407	3.6	84	0.00

Sample Results: **VX043977.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043977.D
Acq On : 25 Nov 2024 11:27
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 26 00:43:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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	0.008	0.007	12.5	77	0.00
50	S	Toluene-d8	1.232	1.227	0.4	107	0.00
51	T	4-Methyl-2-Pentanone	0.537	0.513	4.5	81	0.00
52	CM	Toluene	0.830	0.830	0.0	87	0.00
53	T	t-1,3-Dichloropropene	0.491	0.507	-3.3	86	0.00
54	T	cis-1,3-Dichloropropene	0.539	0.543	-0.7	85	0.00
55	T	1,1,2-Trichloroethane	0.343	0.336	2.0	87	0.00
56	T	Ethyl methacrylate	0.534	0.529	0.9	83	0.00
57	T	1,3-Dichloropropane	0.577	0.576	0.2	89	0.00
58	T	2-Chloroethyl Vinyl ether	0.273	0.266	2.6	83	0.00
59	T	2-Hexanone	0.403	0.390	3.2	80	0.00
60	T	Dibromochloromethane	0.344	0.356	-3.5	87	0.00
61	T	1,2-Dibromoethane	0.346	0.344	0.6	86	0.00
62	S	4-Bromofluorobenzene	0.419	0.426	-1.7	106	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	93	0.00
64	T	Tetrachloroethene	0.330	0.331	-0.3	88	0.00
65	PM	Chlorobenzene	1.098	1.081	1.5	87	0.00
66	T	1,1,1,2-Tetrachloroethane	0.356	0.372	-4.5	87	0.00
67	C	Ethyl Benzene	1.861	1.882	-1.1#	86	0.00
68	T	m/p-Xylenes	0.694	0.706	-1.7	86	0.00
69	T	o-Xylene	0.678	0.678	0.0	83	0.00
70	T	Styrene	1.121	1.173	-4.6	86	0.00
71	P	Bromoform	0.240	0.248	-3.3	81	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	95	0.00
73	T	Isopropylbenzene	3.843	3.702	3.7	85	0.00
74	T	N-amyl acetate	1.780	1.722	3.3	82	0.00
75	P	1,1,2,2-Tetrachloroethane	1.316	1.246	5.3	85	0.00
76	T	1,2,3-Trichloropropane	1.096	1.039	5.2	83	0.00
77	T	Bromobenzene	0.917	0.887	3.3	86	0.00
78	T	n-propylbenzene	4.293	4.283	0.2	86	0.00
79	T	2-Chlorotoluene	2.714	2.595	4.4	86	0.00
80	T	1,3,5-Trimethylbenzene	3.162	3.142	0.6	86	0.00
81	T	trans-1,4-Dichloro-2-butene	0.402	0.369	8.2	79	0.00
82	T	4-Chlorotoluene	3.064	2.978	2.8	85	0.00
83	T	tert-Butylbenzene	3.134	3.087	1.5	85	0.00
84	T	1,2,4-Trimethylbenzene	3.148	3.147	0.0	87	0.00
85	T	sec-Butylbenzene	3.840	3.823	0.4	85	0.00
86	T	p-Isopropyltoluene	3.119	3.229	-3.5	87	0.00
87	T	1,3-Dichlorobenzene	1.670	1.624	2.8	87	0.00
88	T	1,4-Dichlorobenzene	1.702	1.617	5.0	86	0.00
89	T	n-Butylbenzene	2.750	2.805	-2.0	83	0.00
90	T	Hexachloroethane	0.530	0.516	2.6	83	0.00
91	T	1,2-Dichlorobenzene	1.685	1.638	2.8	88	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.264	0.243	8.0	81	0.00
93	T	1,2,4-Trichlorobenzene	0.994	0.954	4.0	83	0.00
94	T	Hexachlorobutadiene	0.393	0.381	3.1	88	0.00
95	T	Naphthalene	3.576	3.528	1.3	83	0.00

Sample Results: **VX043977.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043977.D
Acq On : 25 Nov 2024 11:27
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 26 00:43:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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	1.006	0.977	2.9	83	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 5

Sample Results: **VX043977.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043977.D
Acq On : 25 Nov 2024 11:27
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 26 00:43:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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	96	0.00
2	T	Dichlorodifluoromethane	50.000	46.466	7.1	82	0.00
3	P	Chloromethane	50.000	46.775	6.5	86	0.00
4	C	Vinyl Chloride	50.000	46.231	7.5#	82	0.00
5	T	Bromomethane	50.000	51.566	-3.1	97	0.00
6	T	Chloroethane	50.000	48.469	3.1	87	0.00
7	T	Trichlorofluoromethane	50.000	44.839	10.3	80	0.00
8	T	Diethyl Ether	50.000	47.280	5.4	88	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	47.646	4.7	84	0.00
10	T	Methyl Iodide	50.000	47.795	4.4	85	0.00
11	T	Tert butyl alcohol	250.000	220.360	11.9	80	0.00
12	CM	1,1-Dichloroethene	50.000	46.080	7.8#	85	0.00
13	T	Acrolein	250.000	224.411	10.2	86	0.00
14	T	Allyl chloride	50.000	47.063	5.9	81	0.00
15	T	Acrylonitrile	250.000	239.244	4.3	83	0.00
16	T	Acetone	250.000	228.890	8.4	81	0.00
17	T	Carbon Disulfide	50.000	44.155	11.7	78	0.00
18	T	Methyl Acetate	50.000	46.531	6.9	83	0.00
19	T	Methyl tert-butyl Ether	50.000	48.373	3.3	86	0.00
20	T	Methylene Chloride	50.000	46.719	6.6	90	0.00
21	T	trans-1,2-Dichloroethene	50.000	47.034	5.9	85	0.00
22	T	Diisopropyl ether	50.000	49.207	1.6	88	0.00
23	T	Vinyl Acetate	250.000	248.374	0.7	84	0.00
24	P	1,1-Dichloroethane	50.000	48.697	2.6	86	0.00
25	T	2-Butanone	250.000	236.327	5.5	81	0.00
26	T	2,2-Dichloropropane	50.000	47.384	5.2	83	0.00
27	T	cis-1,2-Dichloroethene	50.000	48.444	3.1	86	0.00
28	T	Bromochloromethane	50.000	47.856	4.3	104	0.00
29	T	Tetrahydrofuran	250.000	232.975	6.8	82	0.00
30	C	Chloroform	50.000	49.337	1.3#	90	0.00
31	T	Cyclohexane	50.000	46.218	7.6	81	0.00
32	T	1,1,1-Trichloroethane	50.000	49.023	2.0	85	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.000	2.0	107	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	96	0.00
35	S	Dibromofluoromethane	50.000	50.333	-0.7	106	0.00
36	T	1,1-Dichloropropene	50.000	49.026	1.9	85	0.00
37	T	Ethyl Acetate	50.000	46.278	7.4	81	0.00
38	T	Carbon Tetrachloride	50.000	50.716	-1.4	88	0.00
39	T	Methylcyclohexane	50.000	47.843	4.3	81	0.00
40	TM	Benzene	50.000	48.936	2.1	87	0.00
41	T	Methacrylonitrile	50.000	48.098	3.8	80	0.00
42	TM	1,2-Dichloroethane	50.000	49.018	2.0	87	0.00
43	T	Isopropyl Acetate	50.000	48.245	3.5	84	0.00
44	TM	Trichloroethene	50.000	42.546	14.9	86	0.00
45	C	1,2-Dichloropropane	50.000	49.890	0.2#	88	0.00
46	T	Dibromomethane	50.000	50.387	-0.8	89	0.00
47	T	Bromodichloromethane	50.000	51.893	-3.8	89	0.00
48	T	Methyl methacrylate	50.000	48.244	3.5	84	0.00

Sample Results: **VX043977.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043977.D
Acq On : 25 Nov 2024 11:27
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 26 00:43:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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	869.321	13.1	77	0.00
50	S	Toluene-d8	50.000	49.805	0.4	107	0.00
51	T	4-Methyl-2-Pentanone	250.000	238.823	4.5	81	0.00
52	CM	Toluene	50.000	50.022	-0.0#	87	0.00
53	T	t-1,3-Dichloropropene	50.000	51.600	-3.2	86	0.00
54	T	cis-1,3-Dichloropropene	50.000	50.373	-0.7	85	0.00
55	T	1,1,2-Trichloroethane	50.000	49.075	1.8	87	0.00
56	T	Ethyl methacrylate	50.000	49.531	0.9	83	0.00
57	T	1,3-Dichloropropane	50.000	49.872	0.3	89	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	226.771	9.3	83	0.00
59	T	2-Hexanone	250.000	241.619	3.4	80	0.00
60	T	Dibromochloromethane	50.000	51.814	-3.6	87	0.00
61	T	1,2-Dibromoethane	50.000	49.645	0.7	86	0.00
62	S	4-Bromofluorobenzene	50.000	50.783	-1.6	106	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	93	0.00
64	T	Tetrachloroethene	50.000	50.133	-0.3	88	0.00
65	PM	Chlorobenzene	50.000	49.197	1.6	87	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.189	-4.4	87	0.00
67	C	Ethyl Benzene	50.000	50.561	-1.1#	86	0.00
68	T	m/p-Xylenes	100.000	101.696	-1.7	86	0.00
69	T	o-Xylene	50.000	50.067	-0.1	83	0.00
70	T	Styrene	50.000	52.353	-4.7	86	0.00
71	P	Bromoform	50.000	46.066	7.9	81	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	95	0.00
73	T	Isopropylbenzene	50.000	48.163	3.7	85	0.00
74	T	N-amyl acetate	50.000	48.361	3.3	82	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	47.323	5.4	85	0.00
76	T	1,2,3-Trichloropropane	50.000	47.389	5.2	83	0.00
77	T	Bromobenzene	50.000	48.374	3.3	86	0.00
78	T	n-propylbenzene	50.000	49.892	0.2	86	0.00
79	T	2-Chlorotoluene	50.000	47.802	4.4	86	0.00
80	T	1,3,5-Trimethylbenzene	50.000	49.689	0.6	86	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	45.951	8.1	79	0.00
82	T	4-Chlorotoluene	50.000	48.585	2.8	85	0.00
83	T	tert-Butylbenzene	50.000	49.242	1.5	85	0.00
84	T	1,2,4-Trimethylbenzene	50.000	49.987	0.0	87	0.00
85	T	sec-Butylbenzene	50.000	49.775	0.5	85	0.00
86	T	p-Isopropyltoluene	50.000	51.764	-3.5	87	0.00
87	T	1,3-Dichlorobenzene	50.000	48.622	2.8	87	0.00
88	T	1,4-Dichlorobenzene	50.000	47.493	5.0	86	0.00
89	T	n-Butylbenzene	50.000	50.989	-2.0	83	0.00
90	T	Hexachloroethane	50.000	48.643	2.7	83	0.00
91	T	1,2-Dichlorobenzene	50.000	48.588	2.8	88	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	46.127	7.7	81	0.00
93	T	1,2,4-Trichlorobenzene	50.000	47.992	4.0	83	0.00
94	T	Hexachlorobutadiene	50.000	48.575	2.8	88	0.00
95	T	Naphthalene	50.000	49.325	1.3	83	0.00

Sample Results: **VX043977.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043977.D
Acq On : 25 Nov 2024 11:27
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 26 00:43:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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	48.584	2.8	83	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VX044002.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4846 SAS No.: P4846 SDG No.: P4846

Instrument ID: MSVOA_X Calibration Date/Time: 11/25/2024 21:12

Lab File ID: VX044002.D Init. Calib. Date(s): 11/21/2024 11/21/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:47 12:03

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.633	0.558		-11.85	50
Chloromethane	0.667	0.617	0.1	-7.5	50
Vinyl Chloride	0.709	0.635		-10.44	50
Bromomethane	0.436	0.412		-5.51	50
Chloroethane	0.432	0.363		-15.97	50
Trichlorofluoromethane	1.268	1.302		2.68	50
1,1,2-Trichlorotrifluoroethane	0.605	0.538		-11.07	50
1,1-Dichloroethene	0.576	0.522		-9.38	50
Acetone	0.394	0.286		-27.41	50
Carbon Disulfide	1.188	0.966		-18.69	50
Methyl tert-butyl Ether	2.092	2.023		-3.3	50
Methyl Acetate	0.917	0.852		-7.09	50
Methylene Chloride	0.668	0.613		-8.23	50
trans-1,2-Dichloroethene	0.595	0.551		-7.39	50
1,1-Dichloroethane	1.161	1.123	0.1	-3.27	50
Cyclohexane	0.956	0.867		-9.31	50
2-Butanone	0.508	0.440		-13.39	50
Carbon Tetrachloride	0.500	0.466		-6.8	50
cis-1,2-Dichloroethene	0.735	0.689		-6.26	50
Bromochloromethane	0.511	0.474		-7.24	50
Chloroform	1.249	1.211		-3.04	50
1,1,1-Trichloroethane	1.077	1.072		-0.46	50
Methylcyclohexane	0.578	0.500		-13.49	50
Benzene	1.387	1.309		-5.62	50
1,2-Dichloroethane	0.557	0.526		-5.57	50
Trichloroethene	0.393	0.324		-17.56	50
1,2-Dichloropropane	0.340	0.329		-3.23	50
Bromodichloromethane	0.482	0.472		-2.08	50
4-Methyl-2-Pentanone	0.537	0.500		-6.89	50
Toluene	0.830	0.798		-3.86	50
t-1,3-Dichloropropene	0.491	0.463		-5.7	50
cis-1,3-Dichloropropene	0.539	0.504		-6.49	50
1,1,2-Trichloroethane	0.343	0.319		-7	50
2-Hexanone	0.403	0.368		-8.69	50
Dibromochloromethane	0.344	0.328		-4.65	50
1,2-Dibromoethane	0.346	0.336		-2.89	50
Tetrachloroethene	0.330	0.314		-4.85	50
Chlorobenzene	1.098	1.020	0.3	-7.1	50

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4846 SAS No.: P4846 SDG No.: P4846

Instrument ID: MSVOA_X Calibration Date/Time: 11/25/2024 21:12

Lab File ID: VX044002.D Init. Calib. Date(s): 11/21/2024 11/21/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:47 12:03

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.861	1.805		-3.01	50
m/p-Xylenes	0.694	0.668		-3.75	50
o-Xylene	0.678	0.671		-1.03	50
Styrene	1.121	1.108		-1.16	50
Bromoform	0.240	0.233	0.1	-2.92	50
Isopropylbenzene	3.843	3.677		-4.32	50
1,1,2,2-Tetrachloroethane	1.316	1.241	0.3	-5.7	50
1,3-Dichlorobenzene	1.670	1.564		-6.35	50
1,4-Dichlorobenzene	1.702	1.565		-8.05	50
1,2-Dichlorobenzene	1.685	1.601		-4.99	50
1,2-Dibromo-3-Chloropropane	0.264	0.245		-7.2	50
1,2,4-Trichlorobenzene	0.994	0.902		-9.26	50
1,2,3-Trichlorobenzene	1.006	0.974		-3.18	50
1,2-Dichloroethane-d4	0.858	0.851		-0.82	50
Dibromofluoromethane	0.357	0.350		-1.96	50
Toluene-d8	1.232	1.189		-3.49	50
4-Bromofluorobenzene	0.419	0.404		-3.58	50

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

Sample Results: **VX044002.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX044002.D
Acq On : 25 Nov 2024 21:12
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

Quant Time: Nov 26 00:56:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	127411	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	230970	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	194454	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	92098	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	108399	49.603	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.200%		
35) Dibromofluoromethane	5.379	113	80883	49.008	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.020%		
50) Toluene-d8	8.647	98	274647	48.276	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.560%		
62) 4-Bromofluorobenzene	11.079	95	93312	48.195	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	96.380%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	71081	44.038	ug/l	99
3) Chloromethane	1.294	50	78664	46.313	ug/l	99
4) Vinyl Chloride	1.374	62	80918	44.790	ug/l	100
5) Bromomethane	1.593	94	52450	47.193	ug/l	99
6) Chloroethane	1.660	64	46244	42.008	ug/l	98
7) Trichlorofluoromethane	1.867	101	165837	51.343	ug/l	99
8) Diethyl Ether	2.136	74	55362	47.026	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.313	101	68534	44.482	ug/l	98
10) Methyl Iodide	2.441	142	91928	47.774	ug/l	98
11) Tert butyl alcohol	3.008	59	75117	214.153	ug/l	100
12) 1,1-Dichloroethene	2.306	96	66473	45.277	ug/l	97
13) Acrolein	2.239	56	81340	220.005	ug/l	100
14) Allyl chloride	2.654	41	111152	46.334	ug/l	96
15) Acrylonitrile	3.068	53	194832	227.931	ug/l	99
16) Acetone	2.386	43	182019	181.348	ug/l	98
17) Carbon Disulfide	2.502	76	123054	40.633	ug/l	98
18) Methyl Acetate	2.703	43	108592	46.459	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	257713	48.344	ug/l	100
20) Methylene Chloride	2.782	84	78049	45.823	ug/l	95
21) trans-1,2-Dichloroethene	3.081	96	70242	46.341	ug/l	98
22) Diisopropyl ether	3.763	45	248793	48.501	ug/l	97
23) Vinyl Acetate	3.721	43	1067324	243.229	ug/l	100
24) 1,1-Dichloroethane	3.605	63	143036	48.335	ug/l	99
25) 2-Butanone	4.562	43	280296	216.431	ug/l	99
26) 2,2-Dichloropropane	4.471	77	113002	42.282	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	87798	46.860	ug/l	98
28) Bromochloromethane	4.891	49	60444	46.403	ug/l	94
29) Tetrahydrofuran	5.007	42	178100	224.316	ug/l	99
30) Chloroform	5.093	83	154278	48.472	ug/l	97
31) Cyclohexane	5.458	56	110406	45.330	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	136540	49.746	ug/l	99
36) 1,1-Dichloropropene	5.684	75	97191	47.258	ug/l	98
37) Ethyl Acetate	4.721	43	112998	44.263	ug/l	98
38) Carbon Tetrachloride	5.666	117	107711	46.611	ug/l	99
39) Methylcyclohexane	7.373	83	115415	43.198	ug/l	97
40) Benzene	6.031	78	302293	47.188	ug/l	99

Sample Results: **VX044002.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX044002.D
Acq On : 25 Nov 2024 21:12
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 26 00:56:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.922	41	59772	45.746 ug/l	94
42) 1,2-Dichloroethane	6.080	62	121500	47.224 ug/l	100
43) Isopropyl Acetate	6.342	43	187057	46.041 ug/l	99
44) Trichloroethene	7.117	130	74936	41.321 ug/l	91
45) 1,2-Dichloropropane	7.427	63	75945	48.403 ug/l	100
46) Dibromomethane	7.580	93	60872	49.045 ug/l	99
47) Bromodichloromethane	7.818	83	108968	48.953 ug/l	99
48) Methyl methacrylate	7.690	41	89938	46.134 ug/l	99
49) 1,4-Dioxane	7.671	88	26983	777.017 ug/l	87
51) 4-Methyl-2-Pentanone	8.574	43	577015	232.731 ug/l	100
52) Toluene	8.714	92	184390	48.090 ug/l	99
53) t-1,3-Dichloropropene	8.976	75	106834	47.064 ug/l	95
54) cis-1,3-Dichloropropene	8.366	75	116499	46.816 ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	73702	46.565 ug/l	97
56) Ethyl methacrylate	9.116	69	119993	48.673 ug/l	99
57) 1,3-Dichloropropane	9.305	76	126279	47.362 ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	307827	227.585 ug/l	99
59) 2-Hexanone	9.433	43	425456	228.307 ug/l	100
60) Dibromochloromethane	9.519	129	75667	47.648 ug/l	98
61) 1,2-Dibromoethane	9.610	107	77546	48.453 ug/l	100
64) Tetrachloroethene	9.269	164	61147	47.689 ug/l	96
65) Chlorobenzene	10.079	112	198294	46.431 ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	68431	49.406 ug/l	98
67) Ethyl Benzene	10.189	91	350901	48.488 ug/l	99
68) m/p-Xylenes	10.299	106	259765	96.253 ug/l	99
69) o-Xylene	10.640	106	130506	49.529 ug/l	98
70) Styrene	10.652	104	215539	49.457 ug/l	99
71) Bromoform	10.799	173	45268	43.484 ug/l #	98
73) Isopropylbenzene	10.963	105	338668	47.838 ug/l	100
74) N-amyl acetate	10.841	43	162298	49.487 ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	114325	47.162 ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	92588m	45.843 ug/l	
77) Bromobenzene	11.195	156	79395	47.012 ug/l	98
78) n-propylbenzene	11.305	91	375124	47.443 ug/l	99
79) 2-Chlorotoluene	11.360	91	230455	46.093 ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	282567	48.515 ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	31367	42.379 ug/l	95
82) 4-Chlorotoluene	11.451	91	266480	47.210 ug/l	100
83) tert-Butylbenzene	11.713	119	279783	48.465 ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	281922	48.618 ug/l	100
85) sec-Butylbenzene	11.890	105	336886	47.629 ug/l	99
86) p-Isopropyltoluene	12.006	119	282100	49.100 ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	144052	46.833 ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	144135	45.963 ug/l	98
89) n-Butylbenzene	12.329	91	241187	47.613 ug/l	100
90) Hexachloroethane	12.536	117	44297	45.341 ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	147432	47.496 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	22554	46.434 ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	83033	45.372 ug/l	97
94) Hexachlorobutadiene	13.719	225	34135	47.196 ug/l	95
95) Naphthalene	13.774	128	317925	48.261 ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	89710	48.432 ug/l	98

Sample Results: **VX044002.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX044002.D
Acq On : 25 Nov 2024 21:12
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

Quant Time: Nov 26 00:56:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

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

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

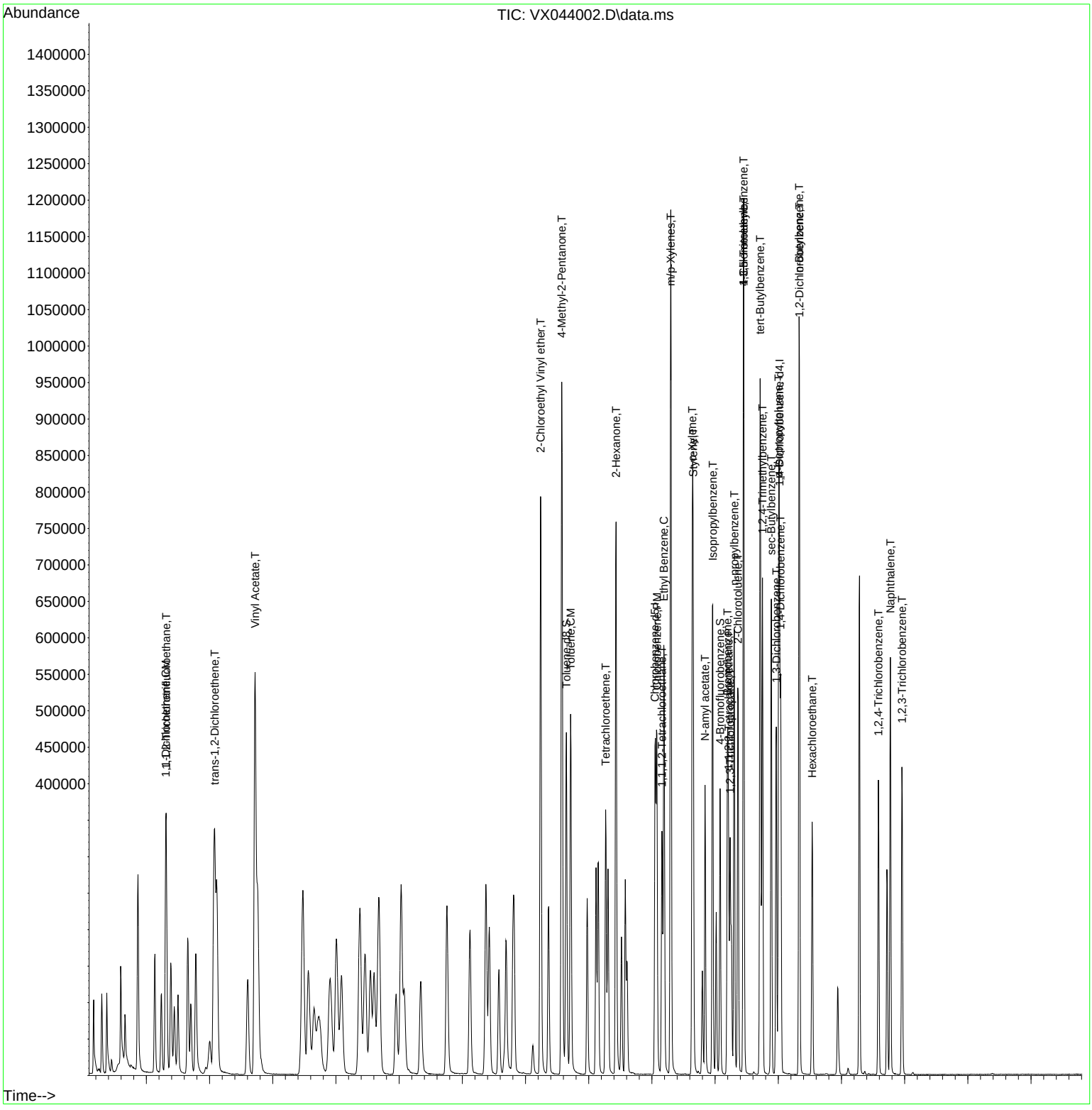
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX044002.D
Acq On : 25 Nov 2024 21:12
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

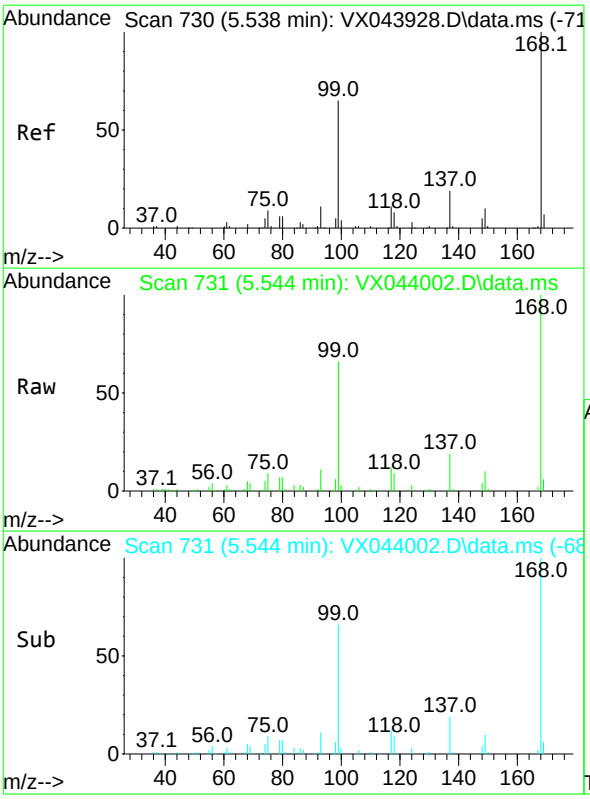
Quant Time: Nov 26 00:56:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

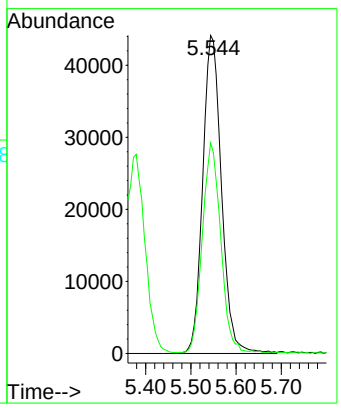




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:168 Resp: 127411

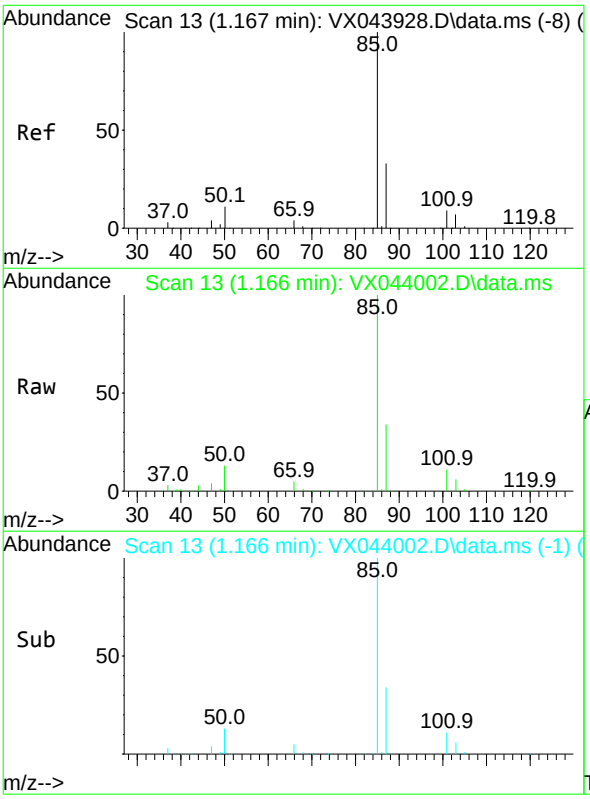
Ion	Ratio	Lower	Upper
168	100		
99	66.0	51.8	77.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

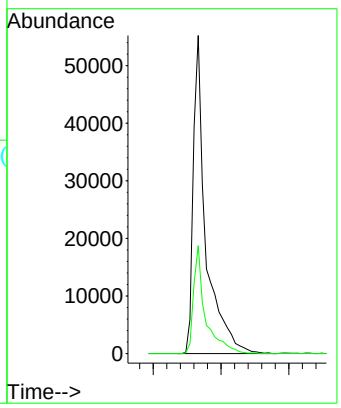
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

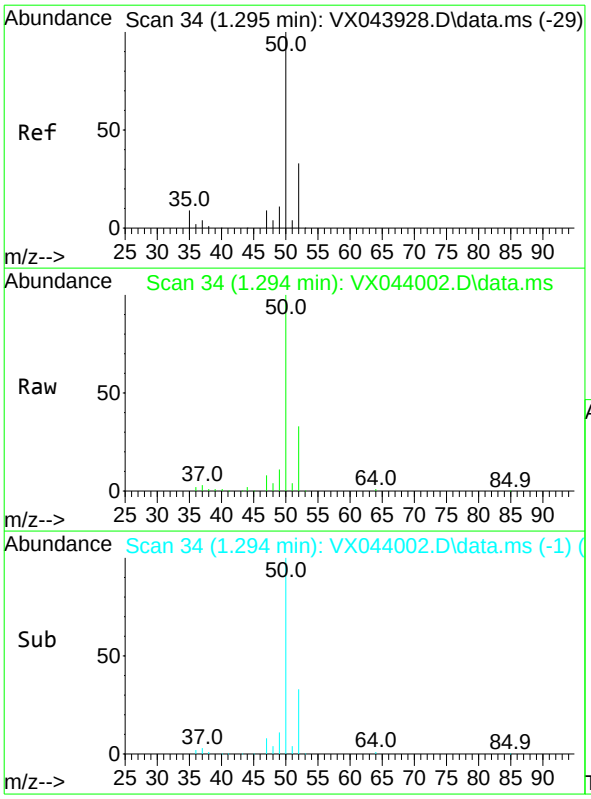


#2
Dichlorodifluoromethane
Concen: 44.038 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 85 Resp: 71081

Ion	Ratio	Lower	Upper
85	100		
87	33.9	16.6	49.8

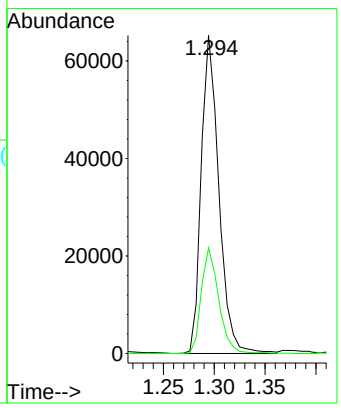




#3
Chloromethane
Concen: 46.313 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 50 Resp: 78664

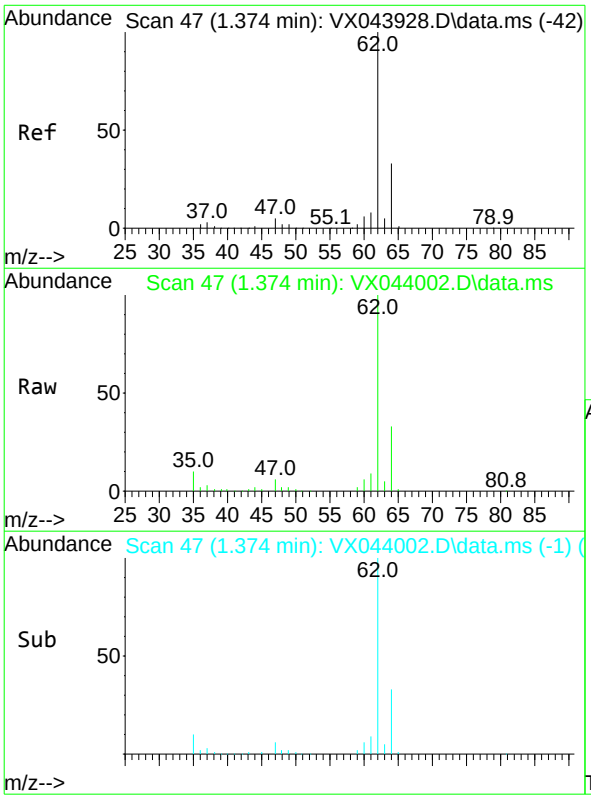
Ion	Ratio	Lower	Upper
50	100		
52	33.2	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

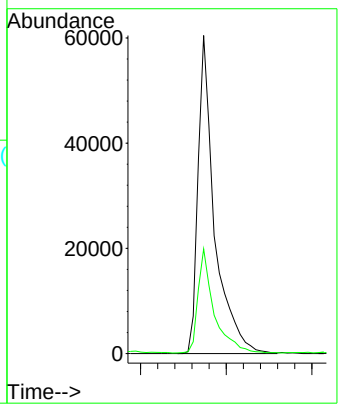
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

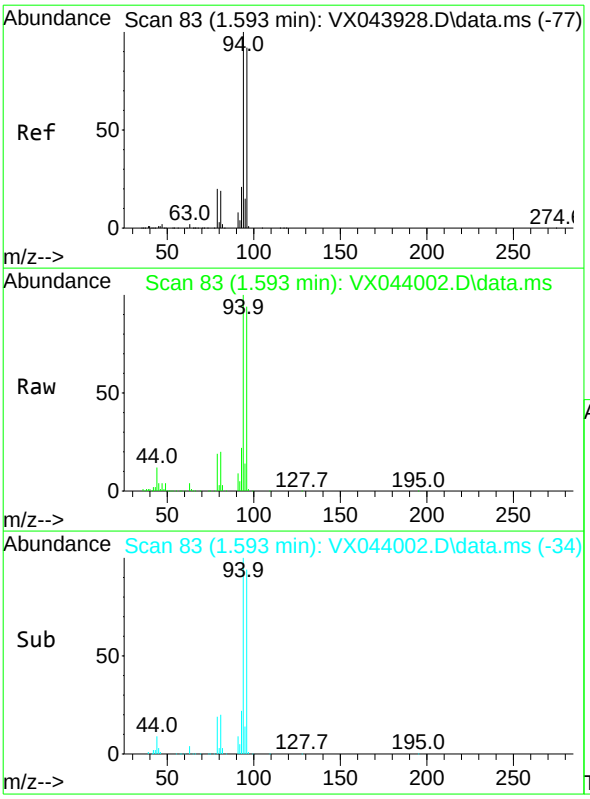


#4
Vinyl Chloride
Concen: 44.790 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 62 Resp: 80918

Ion	Ratio	Lower	Upper
62	100		
64	32.7	26.2	39.4

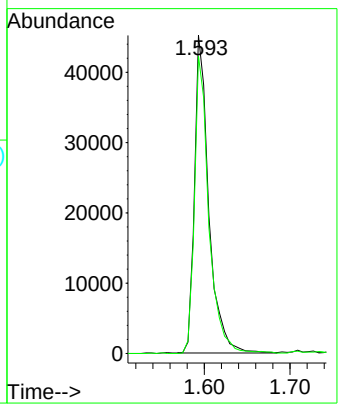




#5
Bromomethane
Concen: 47.193 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 94 Resp: 52450

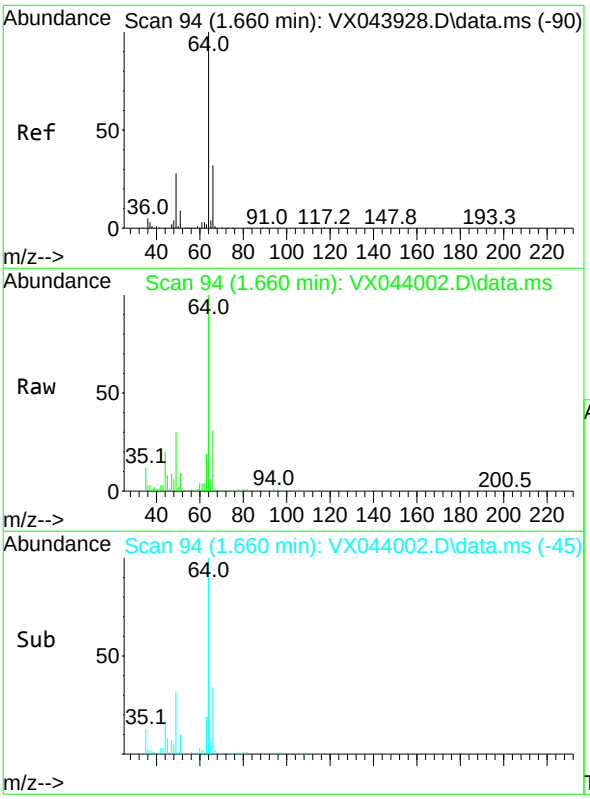
Ion	Ratio	Lower	Upper
94	100		
96	93.7	73.9	110.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

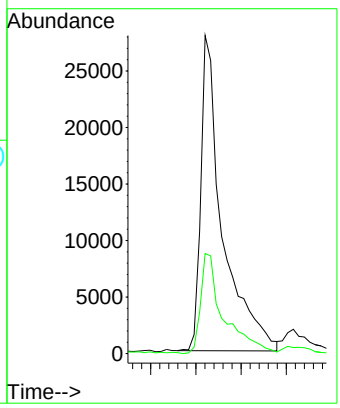
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

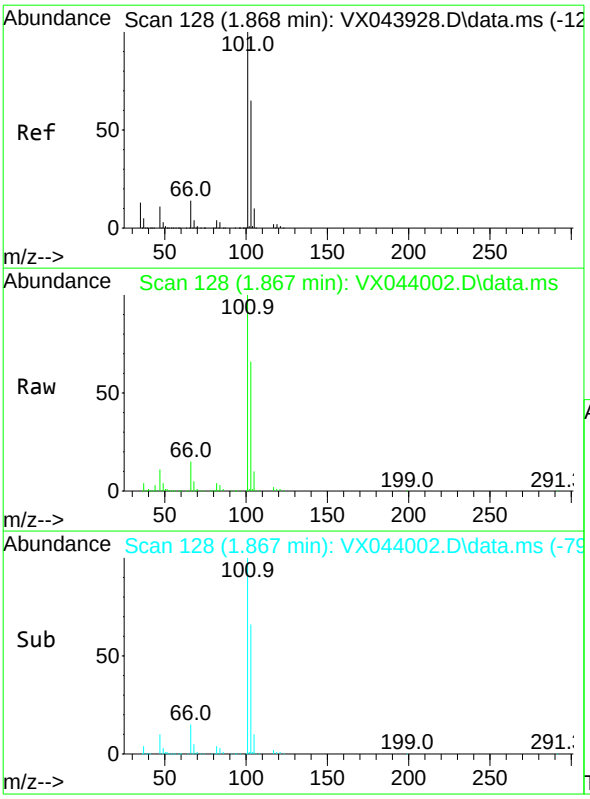


#6
Chloroethane
Concen: 42.008 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 64 Resp: 46244

Ion	Ratio	Lower	Upper
64	100		
66	31.4	25.9	38.9

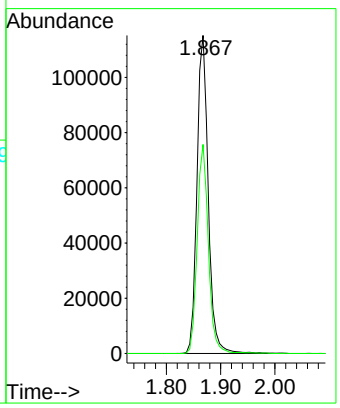




#7
Trichlorofluoromethane
Concen: 51.343 ug/l
RT: 1.867 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:101 Resp: 165837

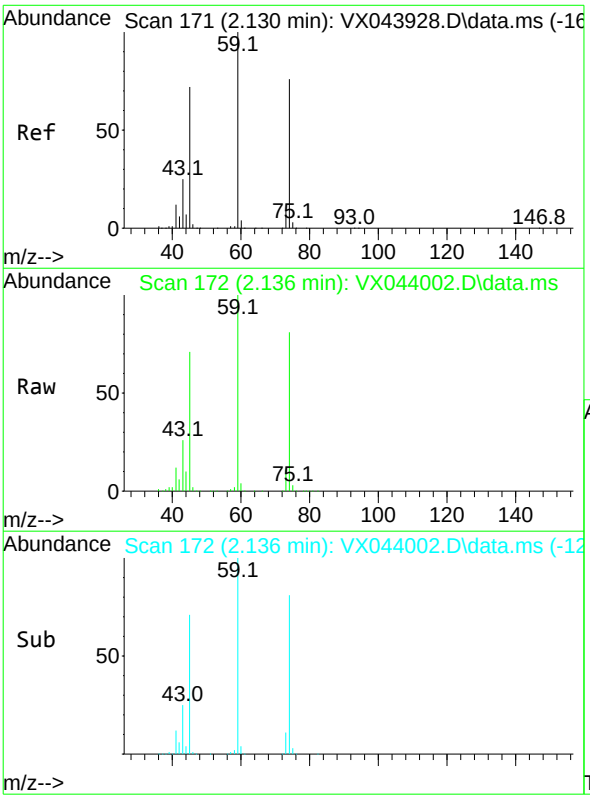
Ion	Ratio	Lower	Upper
101	100		
103	65.7	52.2	78.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

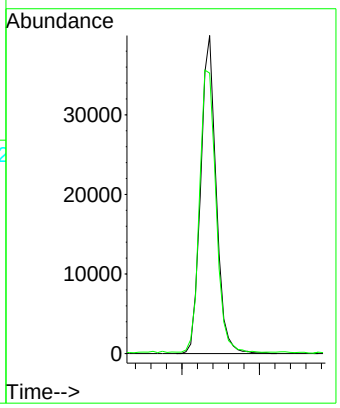
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

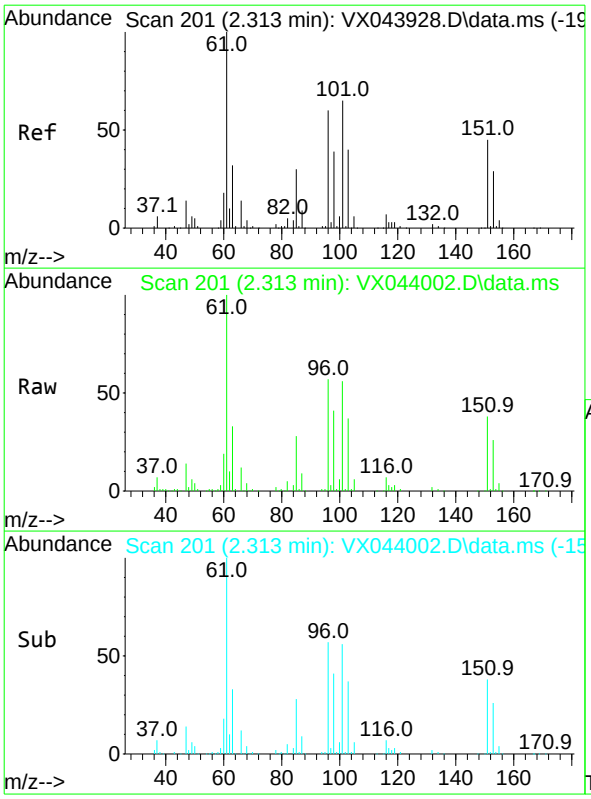


#8
Diethyl Ether
Concen: 47.026 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 74 Resp: 55362

Ion	Ratio	Lower	Upper
74	100		
45	94.1	47.9	143.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 44.482 ug/l
RT: 2.313 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

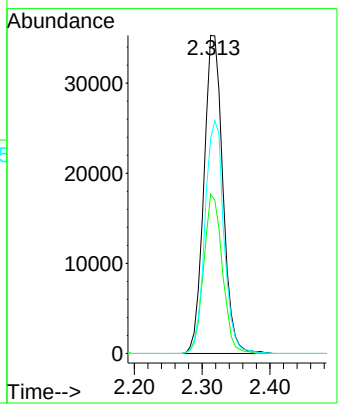
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

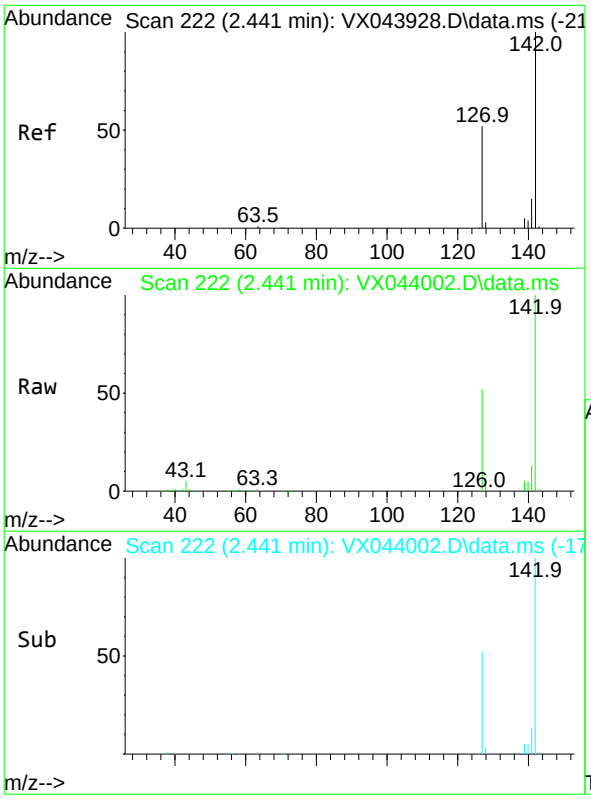
Tgt Ion:101 Resp: 68534

Ion	Ratio	Lower	Upper
101	100		
85	49.3	37.9	56.9
151	73.3	57.5	86.3

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

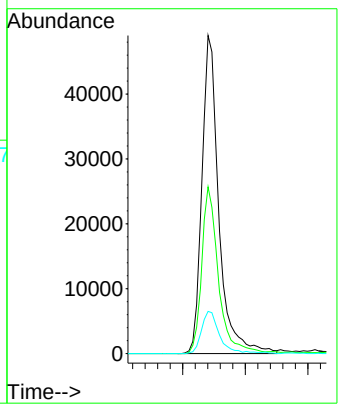


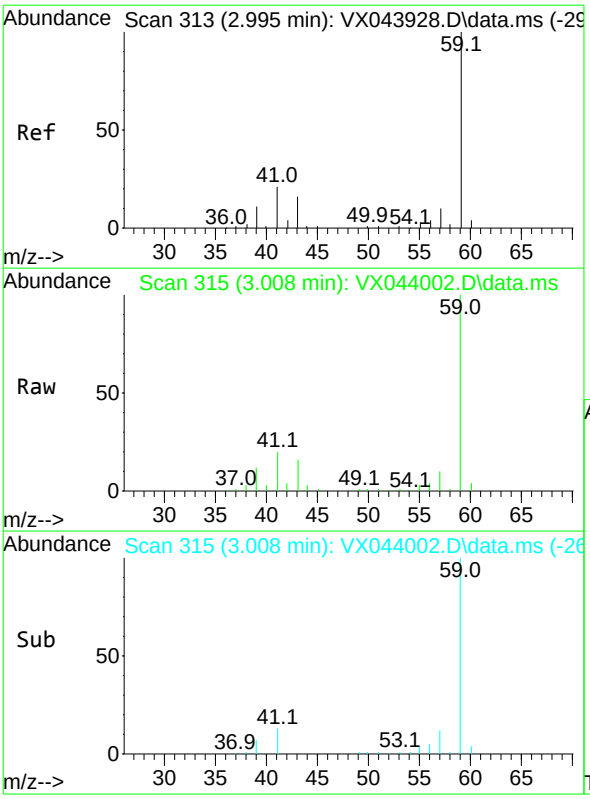


#10
Methyl Iodide
Concen: 47.774 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:142 Resp: 91928

Ion	Ratio	Lower	Upper
142	100		
127	52.2	40.7	61.1
141	14.3	12.0	18.0

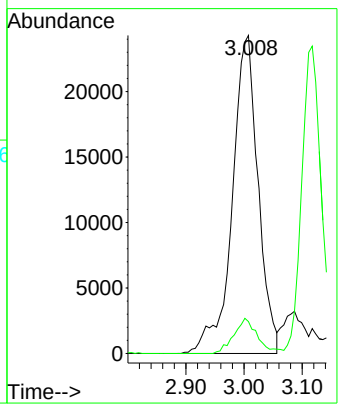




#11
Tert butyl alcohol
Concen: 214.153 ug/l
RT: 3.008 min Scan# 31
Delta R.T. 0.012 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 59 Resp: 75117

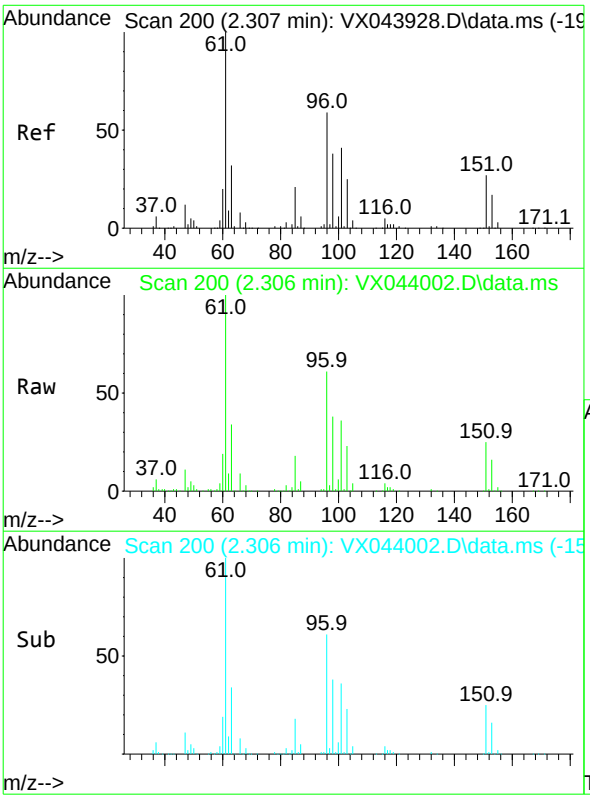
Ion	Ratio	Lower	Upper
59	100		
57	10.1	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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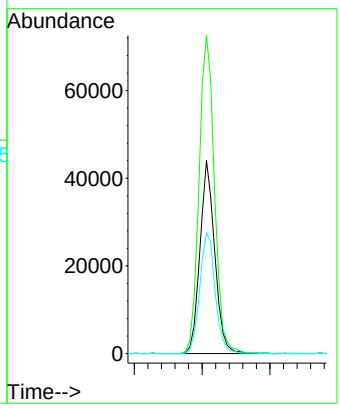
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

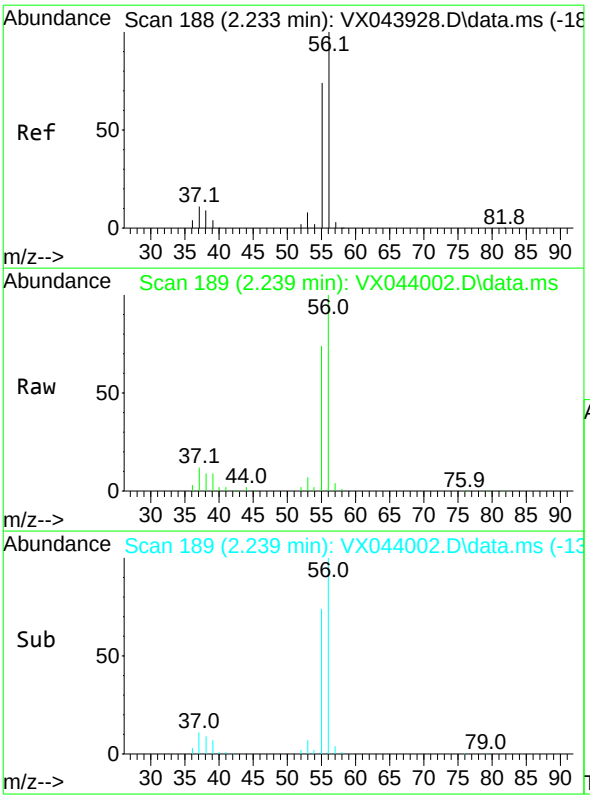


#12
1,1-Dichloroethene
Concen: 45.277 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 96 Resp: 66473

Ion	Ratio	Lower	Upper
96	100		
61	164.7	135.5	203.3
98	62.5	50.8	76.2

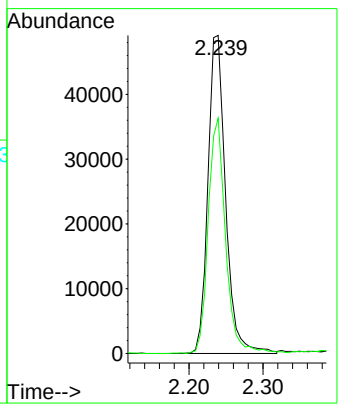




#13
Acrolein
Concen: 220.005 ug/l
RT: 2.239 min Scan# 18
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 56 Resp: 81340

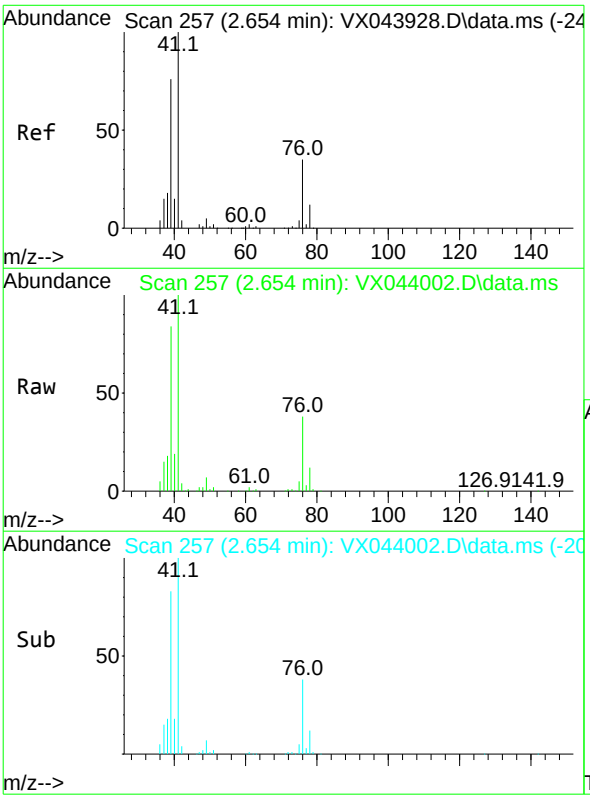
Ion	Ratio	Lower	Upper
56	100		
55	72.9	58.2	87.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

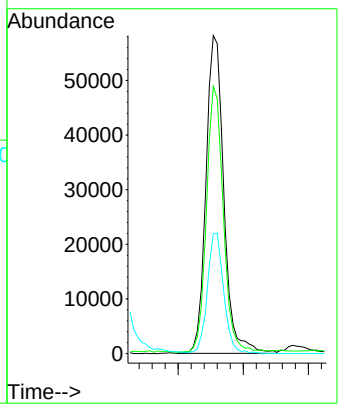
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

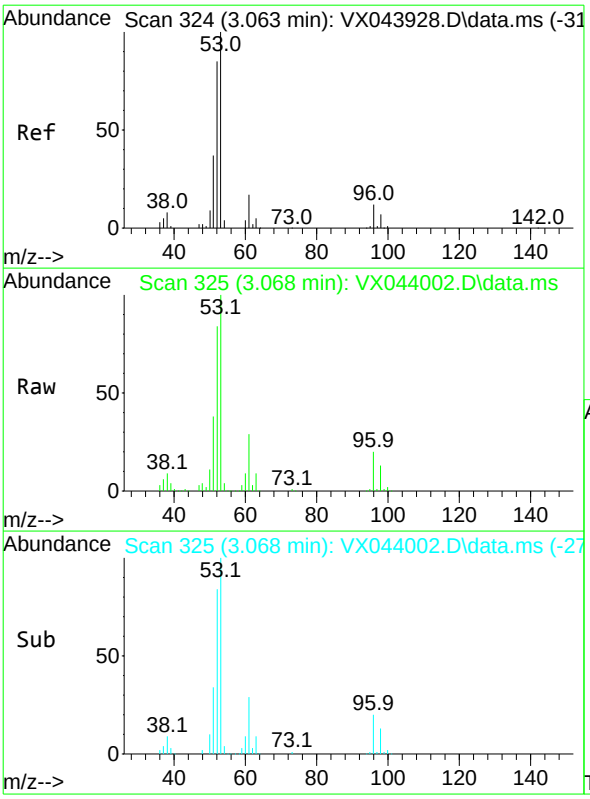


#14
Allyl chloride
Concen: 46.334 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 41 Resp: 111152

Ion	Ratio	Lower	Upper
41	100		
39	78.5	59.5	89.3
76	34.7	27.4	41.2

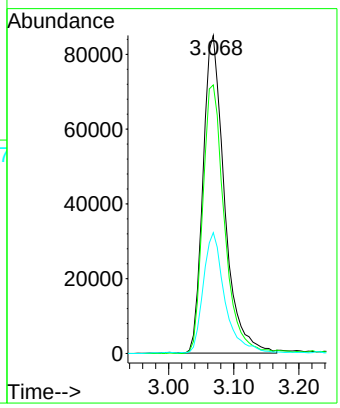




#15
Acrylonitrile
Concen: 227.931 ug/l
RT: 3.068 min Scan# 32
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 53 Resp: 194832

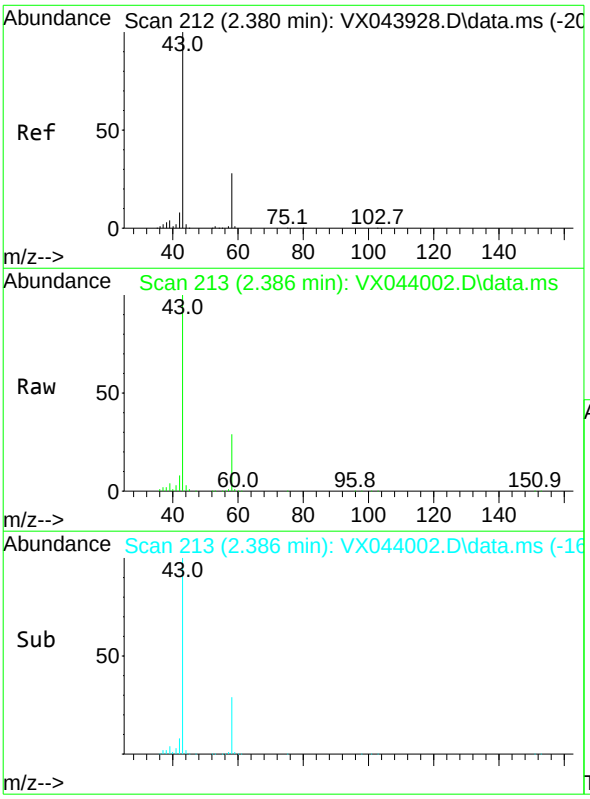
Ion	Ratio	Lower	Upper
53	100		
52	84.6	66.5	99.7
51	38.0	30.2	45.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

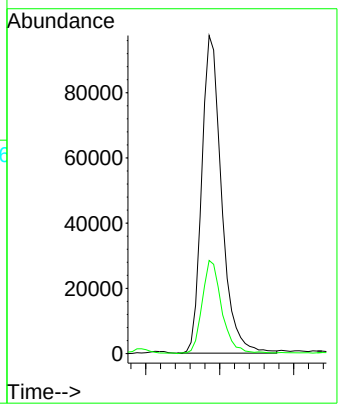
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

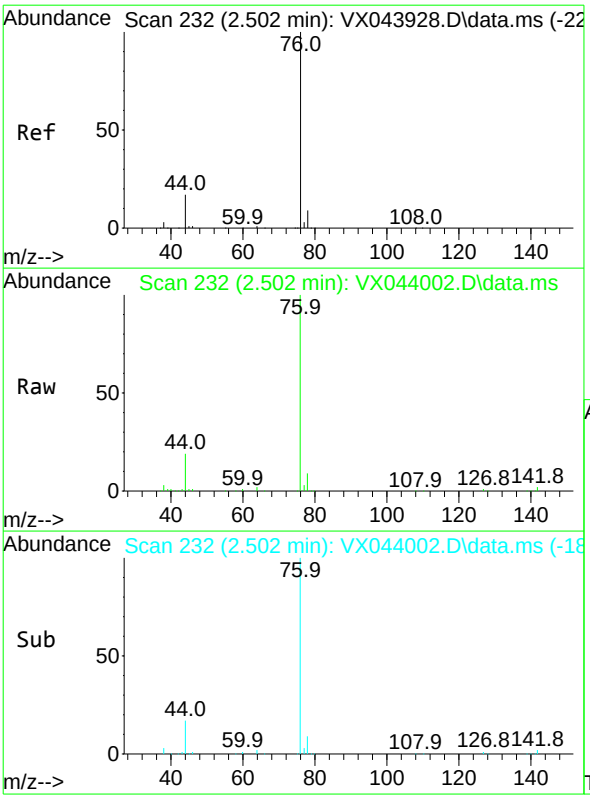


#16
Acetone
Concen: 181.348 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 43 Resp: 182019

Ion	Ratio	Lower	Upper
43	100		
58	29.3	22.7	34.1





#17
Carbon Disulfide
Concen: 40.633 ug/l
RT: 2.502 min Scan# 23
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

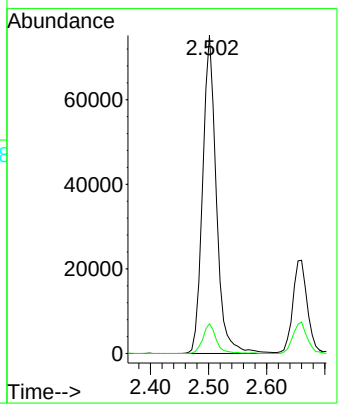
Tgt Ion: 76 Resp: 123054

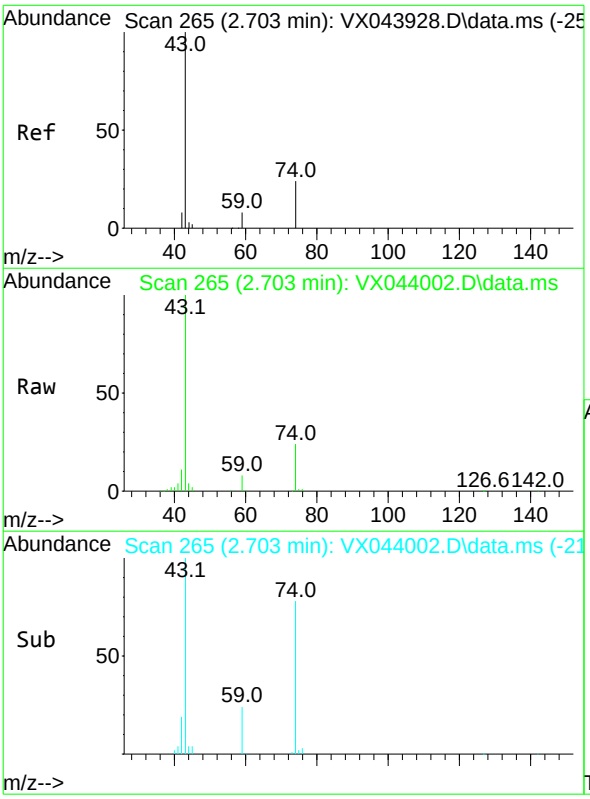
Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.0	10.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

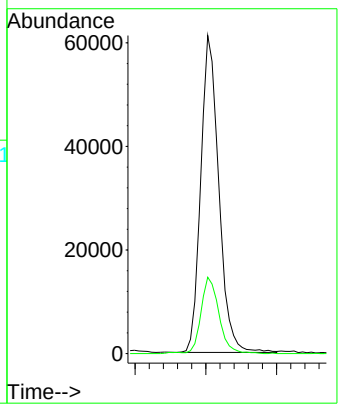


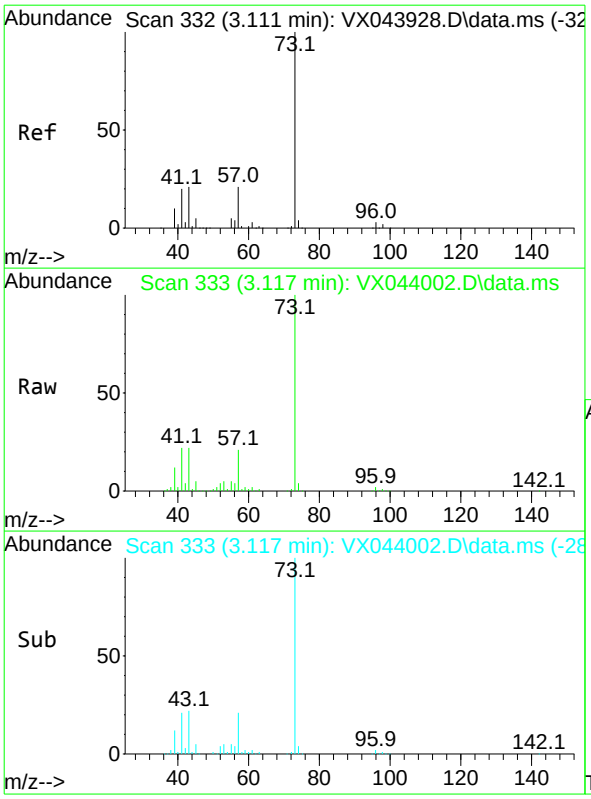


#18
Methyl Acetate
Concen: 46.459 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 43 Resp: 108592

Ion	Ratio	Lower	Upper
43	100		
74	23.8	18.9	28.3

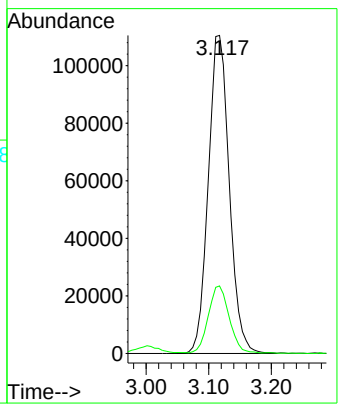




#19
Methyl tert-butyl Ether
Concen: 48.344 ug/l
RT: 3.117 min Scan# 33
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 73 Resp: 257713

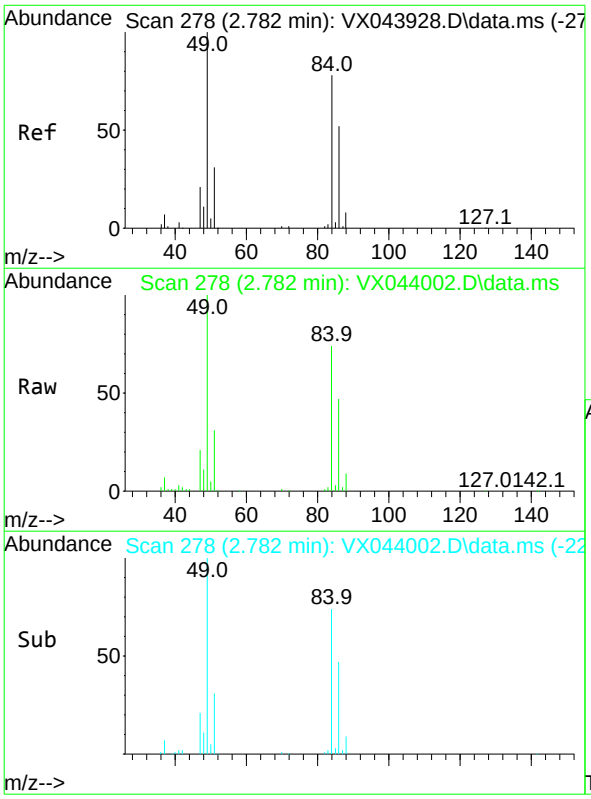
Ion	Ratio	Lower	Upper
73	100		
57	21.1	17.0	25.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

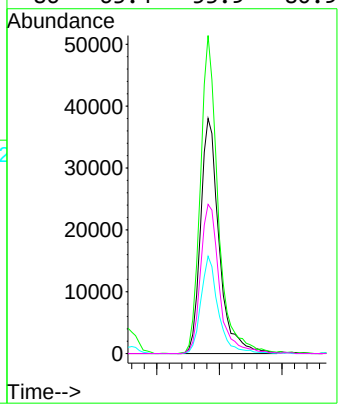
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

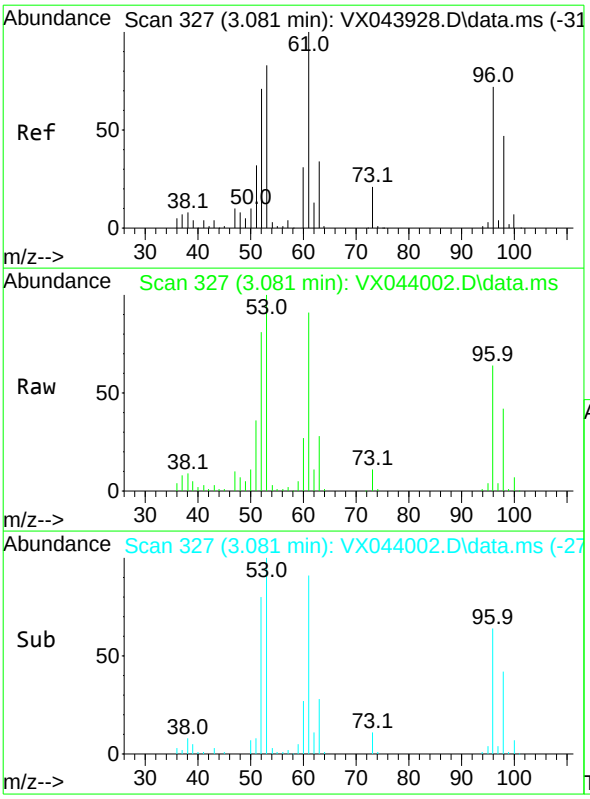


#20
Methylene Chloride
Concen: 45.823 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 84 Resp: 78049

Ion	Ratio	Lower	Upper
84	100		
49	135.2	102.7	154.1
51	41.4	31.7	47.5
86	63.4	53.9	80.9





#21
trans-1,2-Dichloroethene
Concen: 46.341 ug/l
RT: 3.081 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

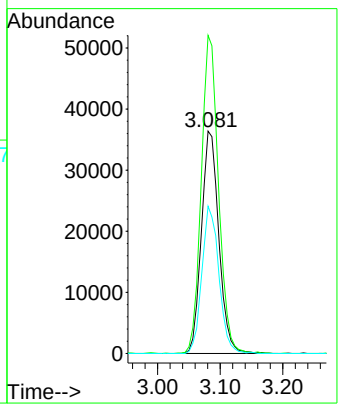
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

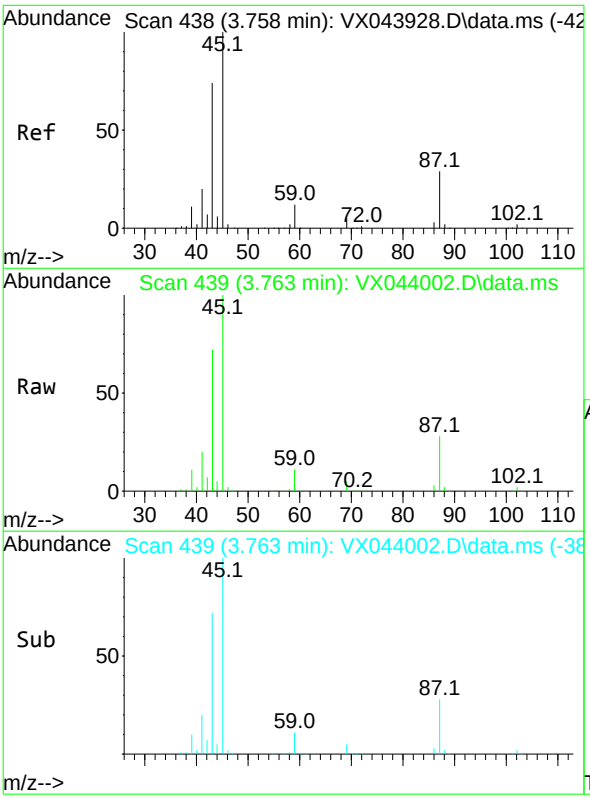
Tgt Ion: 96 Resp: 70242

Ion	Ratio	Lower	Upper
96	100		
61	143.0	111.8	167.6
98	66.2	52.7	79.1

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

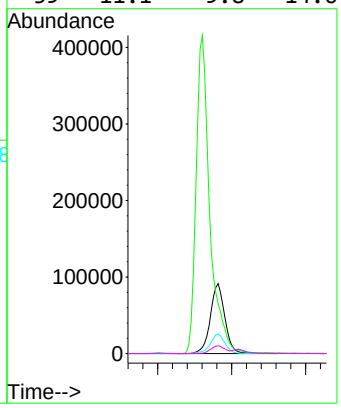


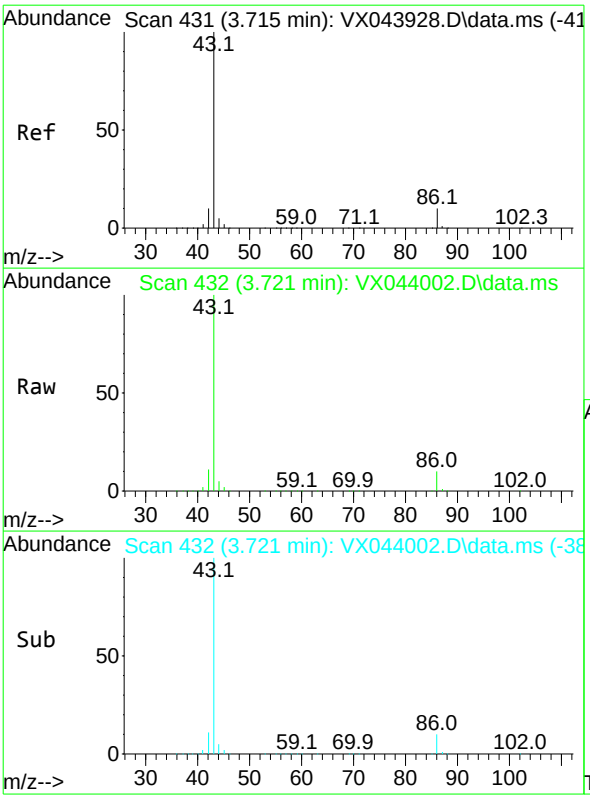


#22
Diisopropyl ether
Concen: 48.501 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 45 Resp: 248793

Ion	Ratio	Lower	Upper
45	100		
43	71.6	59.6	89.4
87	27.9	22.9	34.3
59	11.1	9.8	14.6

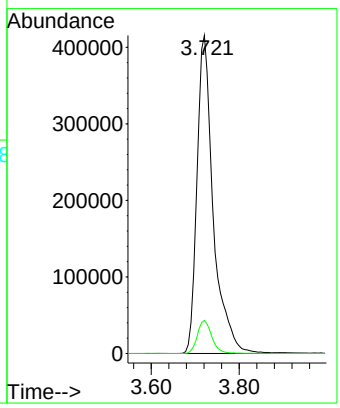




#23
Vinyl Acetate
Concen: 243.229 ug/l
RT: 3.721 min Scan# 43
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 43 Resp: 1067324

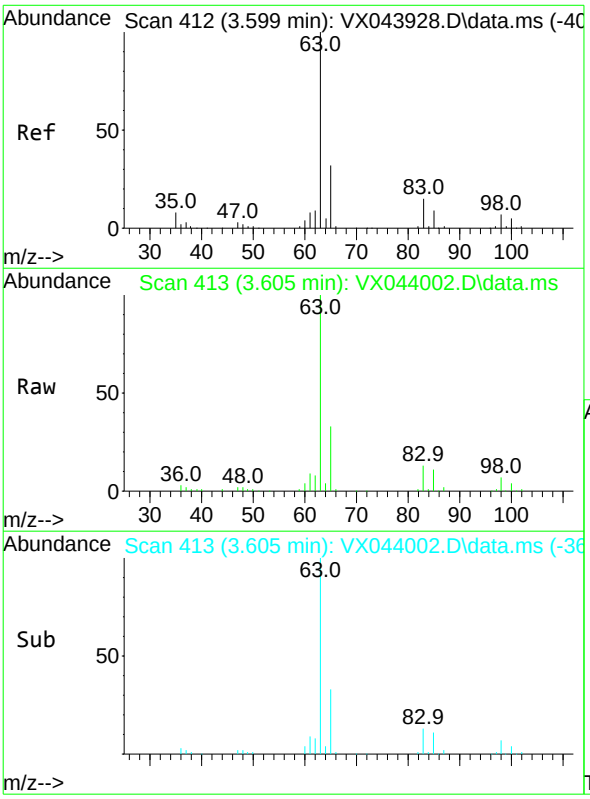
Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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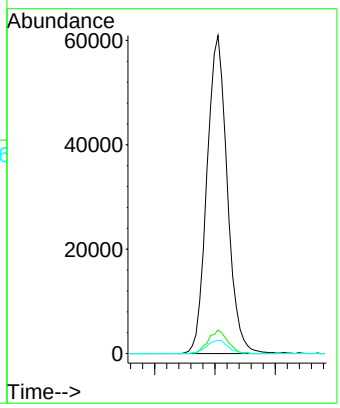
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

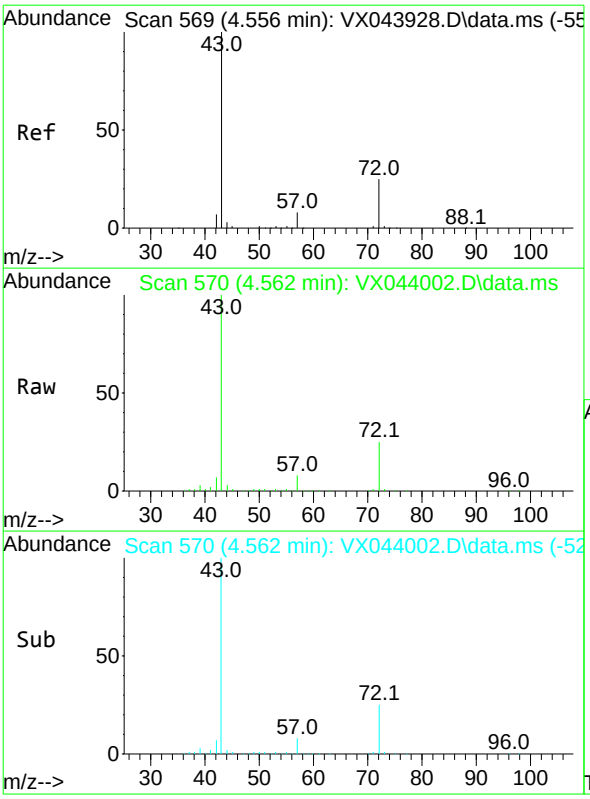


#24
1,1-Dichloroethane
Concen: 48.335 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 63 Resp: 143036

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.5	10.6
100	4.2	2.4	7.1





#25
2-Butanone
Concen: 216.431 ug/l
RT: 4.562 min Scan# 57
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

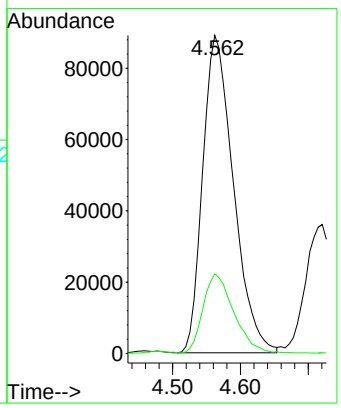
Tgt Ion: 43 Resp: 280296

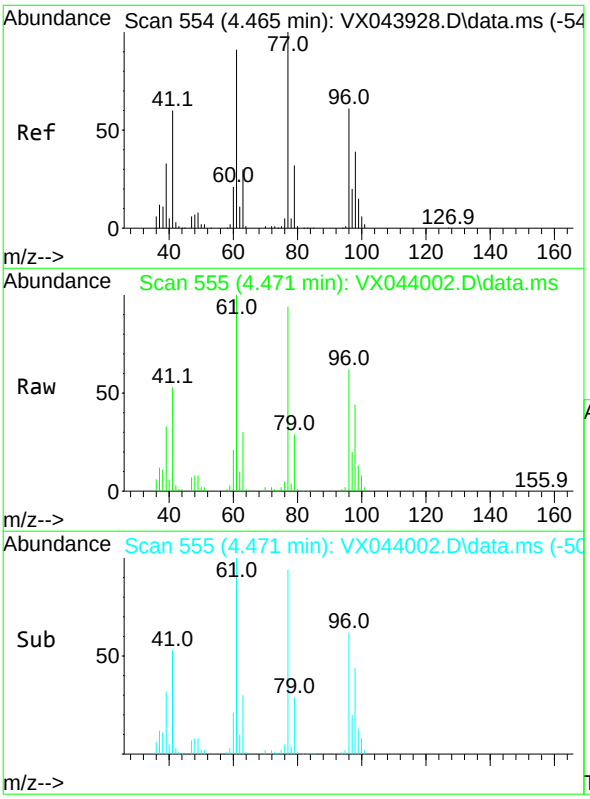
Ion	Ratio	Lower	Upper
43	100		
72	24.9	20.2	30.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

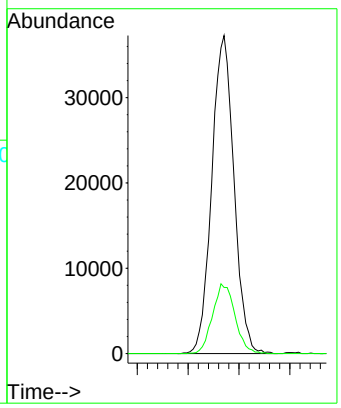


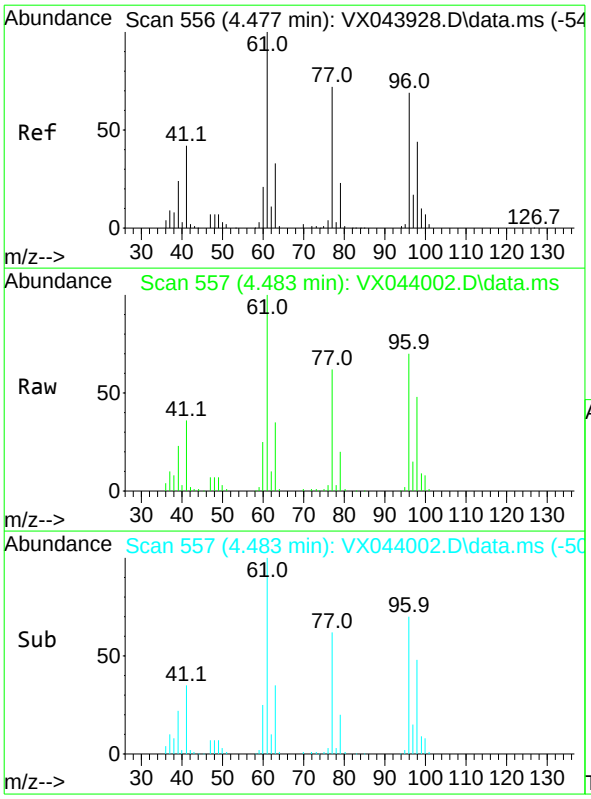


#26
2,2-Dichloropropane
Concen: 42.282 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 77 Resp: 113002

Ion	Ratio	Lower	Upper
77	100		
97	22.1	10.8	32.3

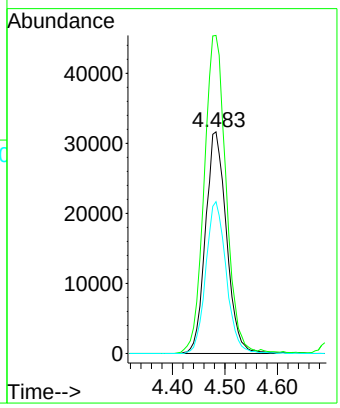




#27
cis-1,2-Dichloroethene
Concen: 46.860 ug/l
RT: 4.483 min Scan# 55
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 96 Resp: 87798

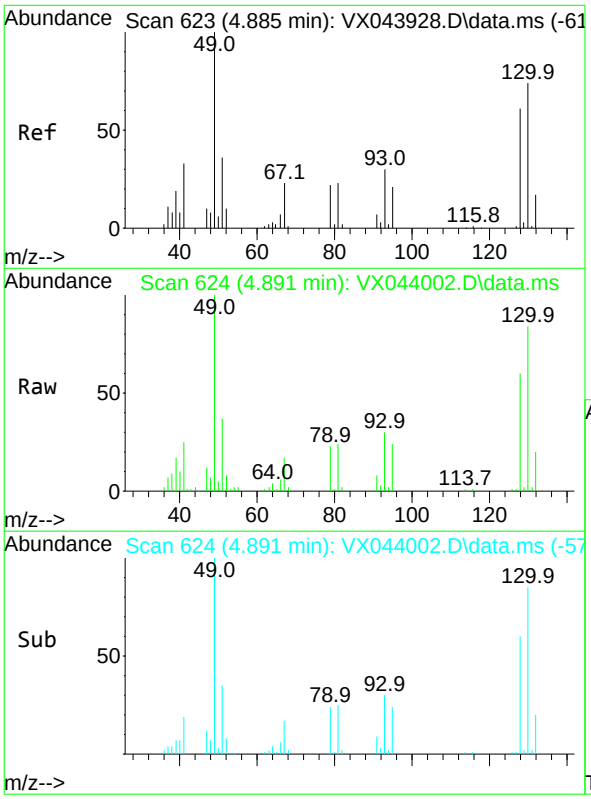
Ion	Ratio	Lower	Upper
96	100		
61	149.4	0.0	297.4
98	66.9	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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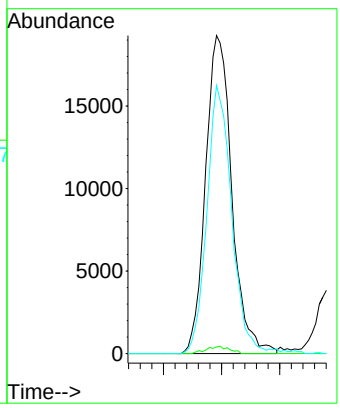
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

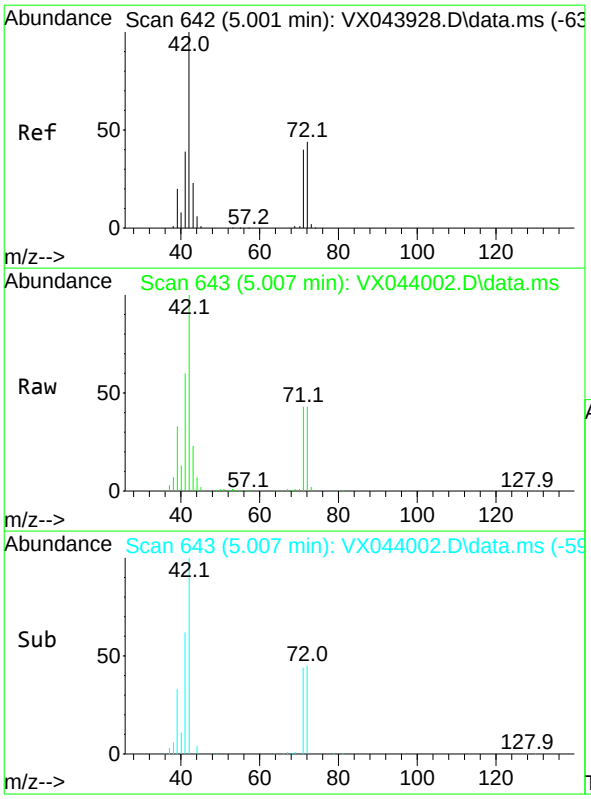


#28
Bromochloromethane
Concen: 46.403 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 49 Resp: 60444

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	79.0	59.0	88.6

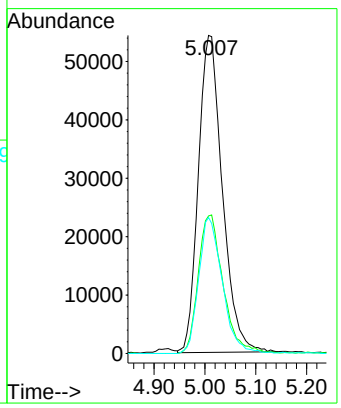




#29
Tetrahydrofuran
Concen: 224.316 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 42 Resp: 178100

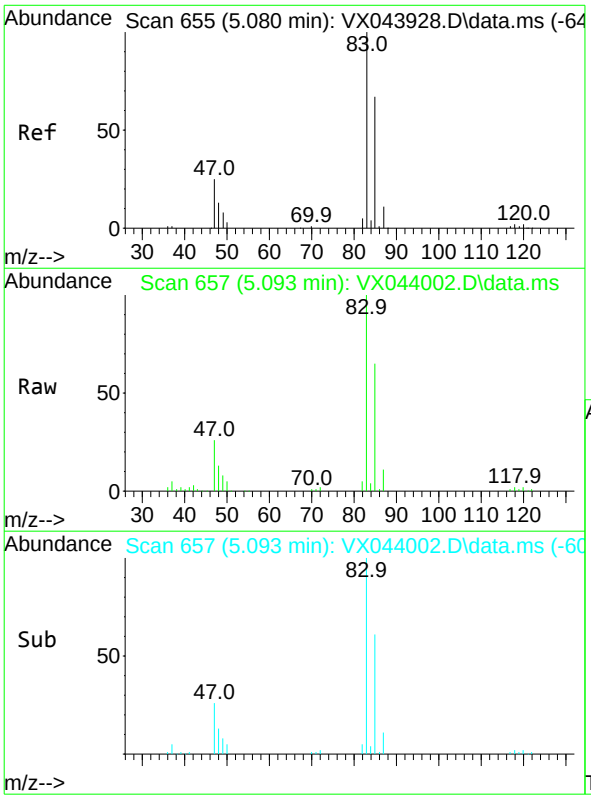
Ion	Ratio	Lower	Upper
42	100		
72	45.2	36.4	54.6
71	42.1	33.4	50.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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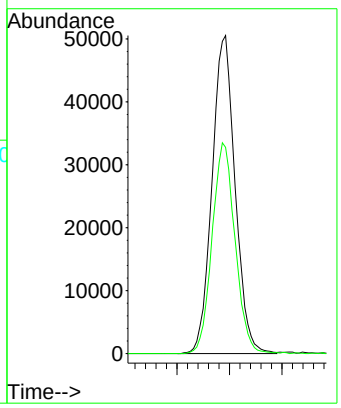
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

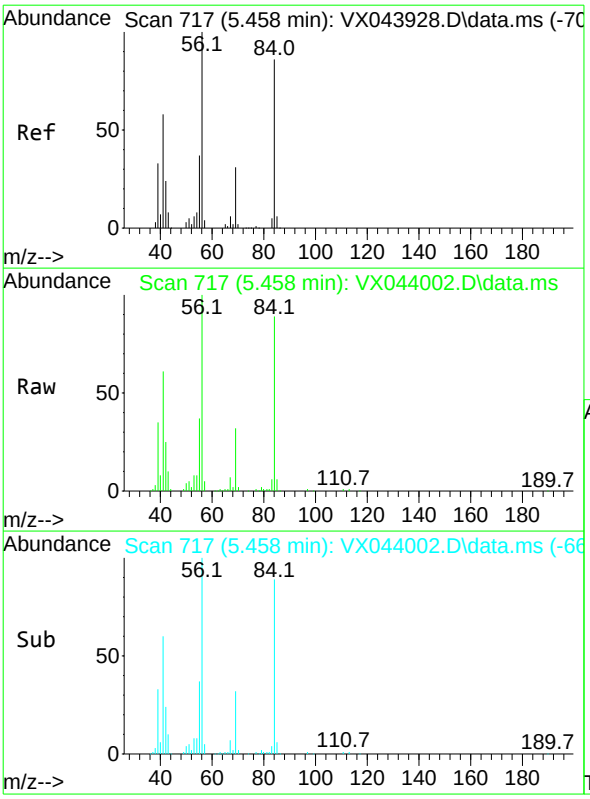


#30
Chloroform
Concen: 48.472 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.012 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 83 Resp: 154278

Ion	Ratio	Lower	Upper
83	100		
85	64.8	53.5	80.3





#31
Cyclohexane
Concen: 45.330 ug/l
RT: 5.458 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

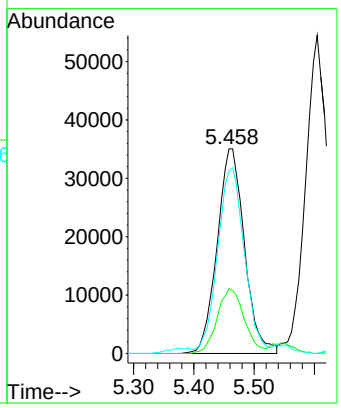
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

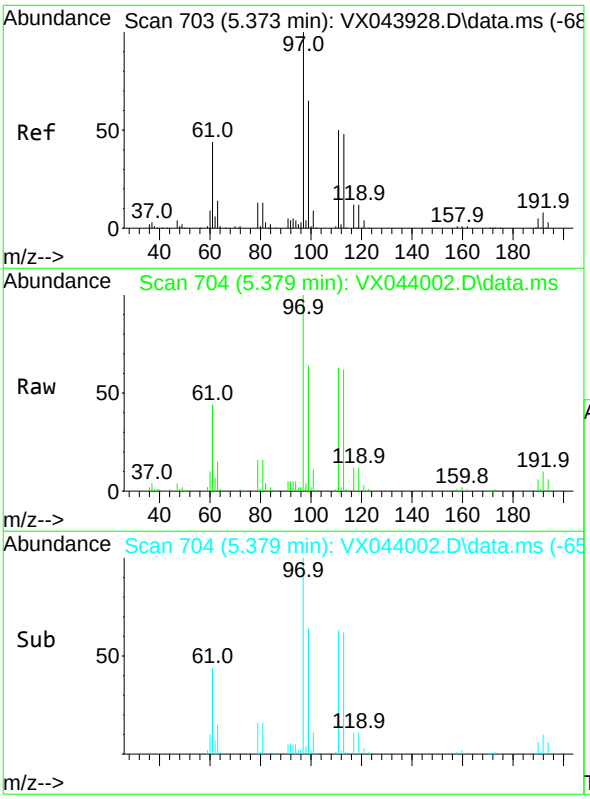
Tgt Ion: 56 Resp: 110406

Ion	Ratio	Lower	Upper
56	100		
69	31.7	24.7	37.1
84	86.3	68.7	103.1

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

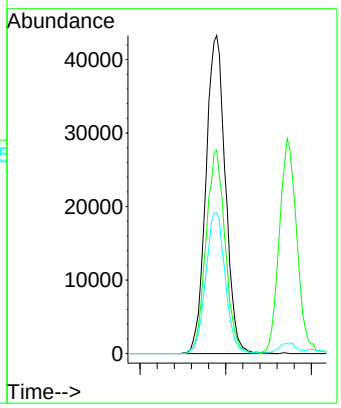


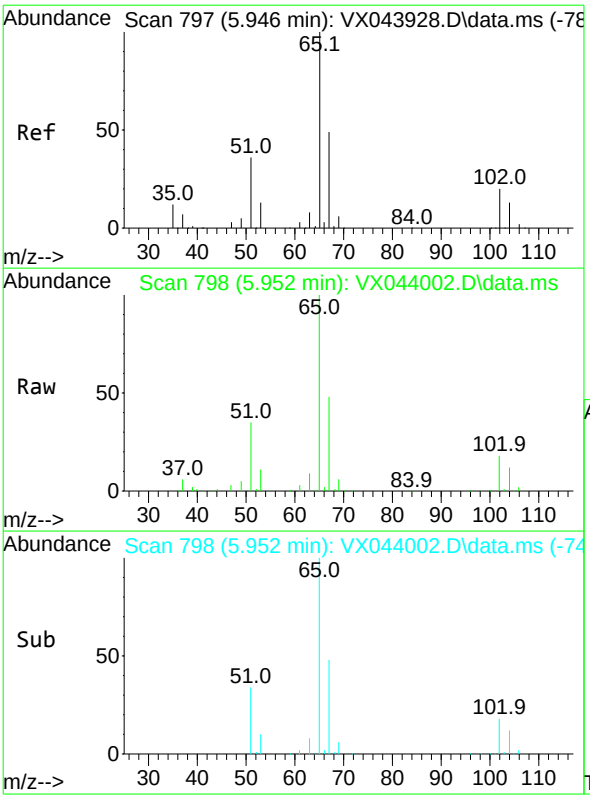


#32
1,1,1-Trichloroethane
Concen: 49.746 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 97 Resp: 136540

Ion	Ratio	Lower	Upper
97	100		
99	62.7	50.8	76.2
61	44.4	35.4	53.2

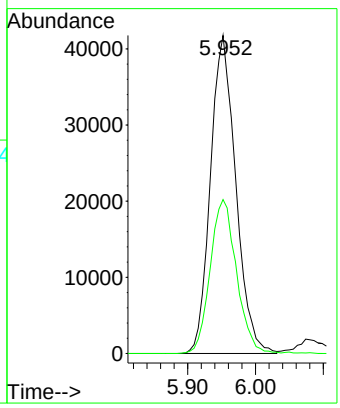




#33
1,2-Dichloroethane-d4
Concen: 49.603 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 65 Resp: 108399

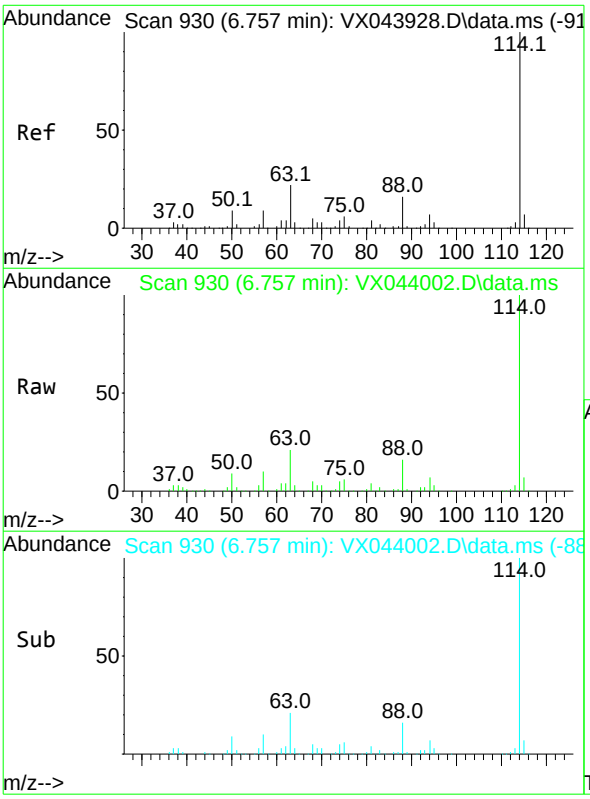
Ion	Ratio	Lower	Upper
65	100		
67	50.2	0.0	100.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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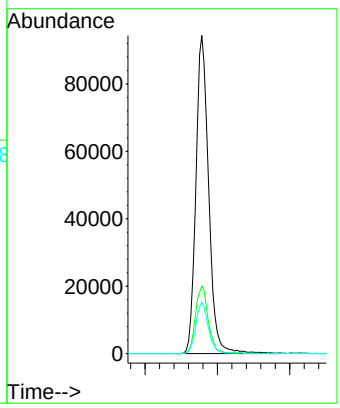
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

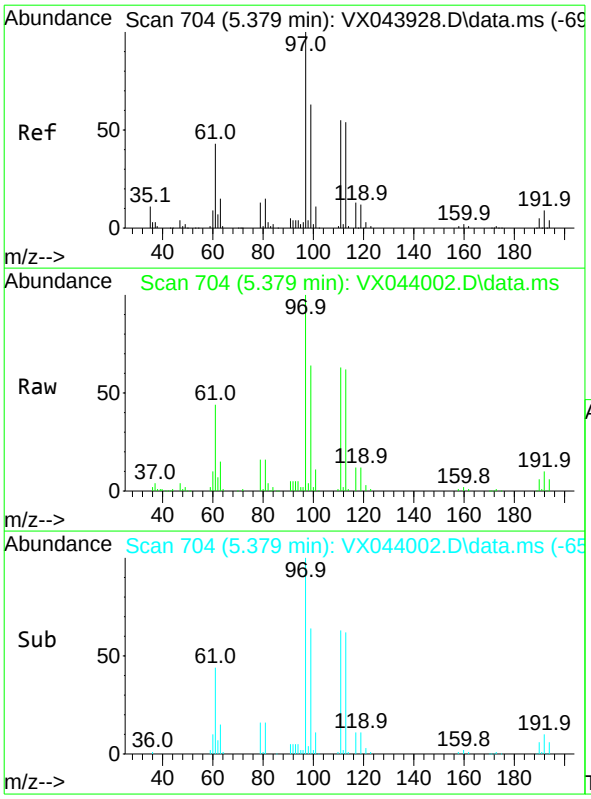


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:114 Resp: 230970

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	44.0
88	16.1	0.0	32.4

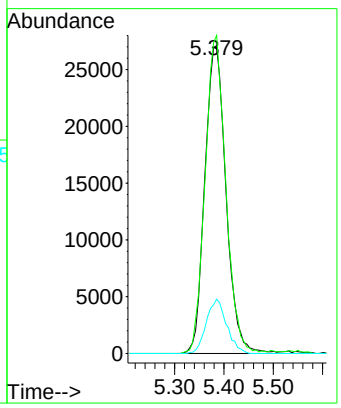




#35
Dibromofluoromethane
Concen: 49.008 ug/l
RT: 5.379 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:113 Resp: 80883

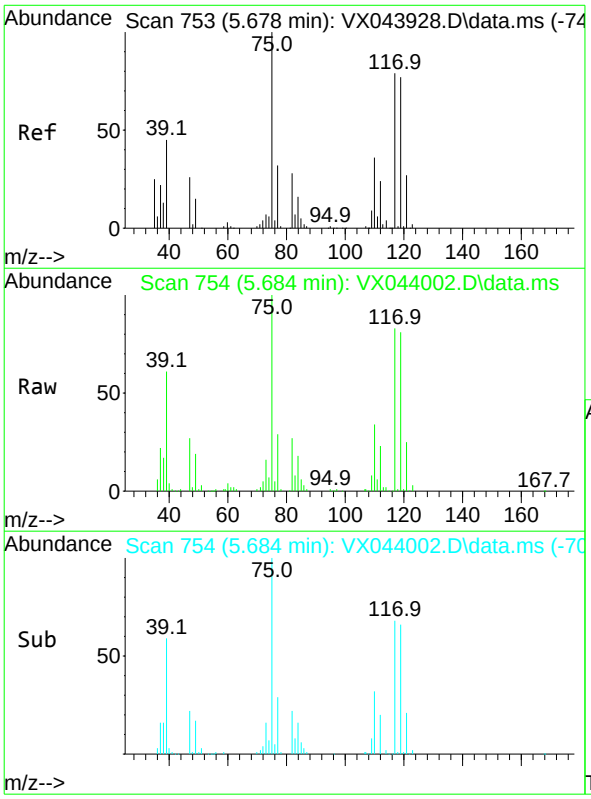
Ion	Ratio	Lower	Upper
113	100		
111	101.1	81.0	121.4
192	16.9	13.0	19.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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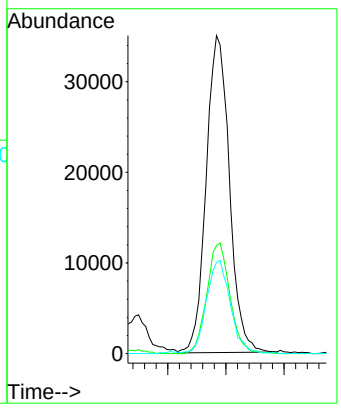
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

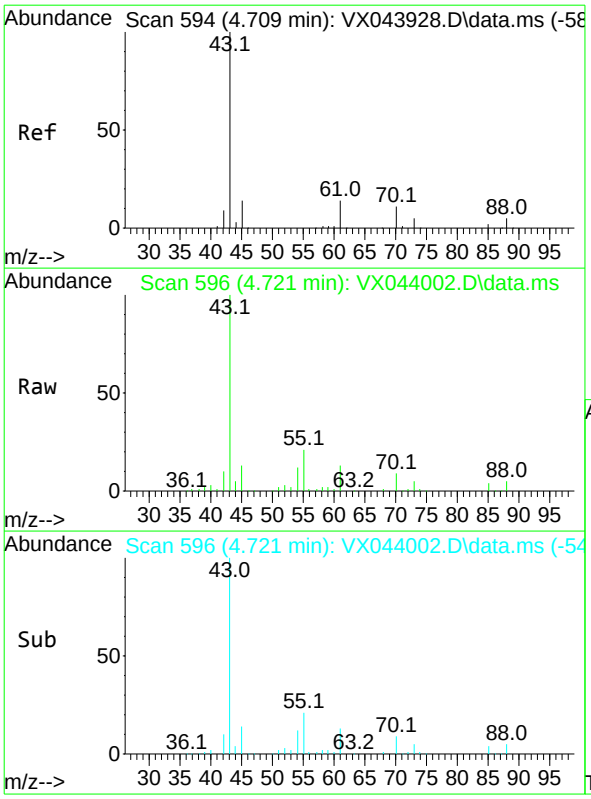


#36
1,1-Dichloropropene
Concen: 47.258 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 75 Resp: 97191

Ion	Ratio	Lower	Upper
75	100		
110	34.7	17.4	52.2
77	30.2	25.8	38.8

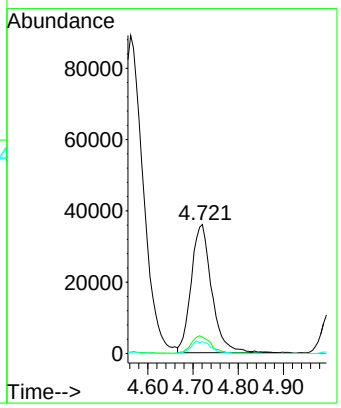




#37
Ethyl Acetate
Concen: 44.263 ug/l
RT: 4.721 min Scan# 59
Delta R.T. 0.012 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 43 Resp: 112998

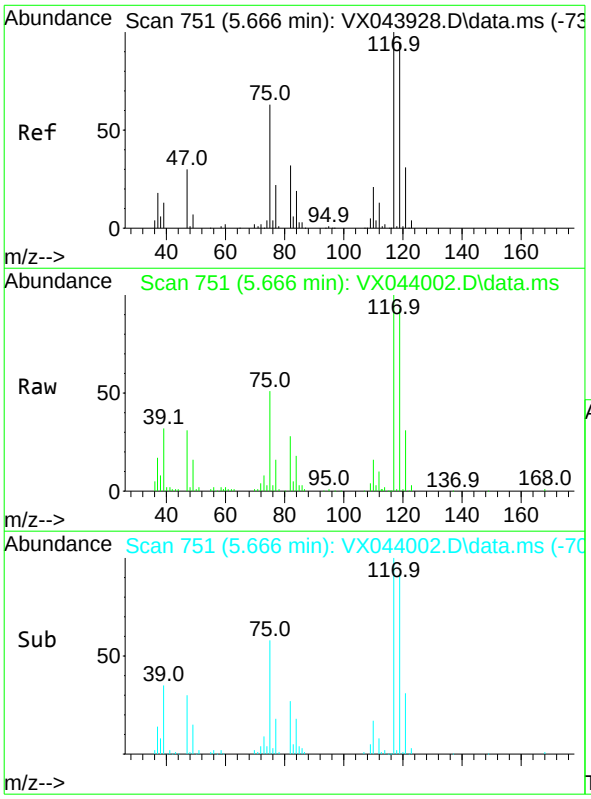
Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.7	16.1
70	9.3	8.0	12.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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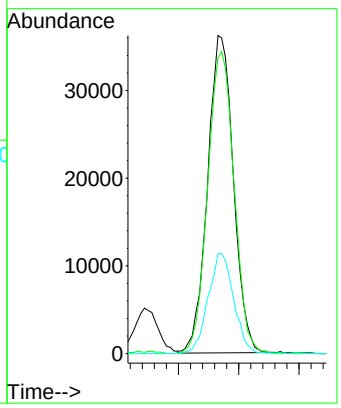
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

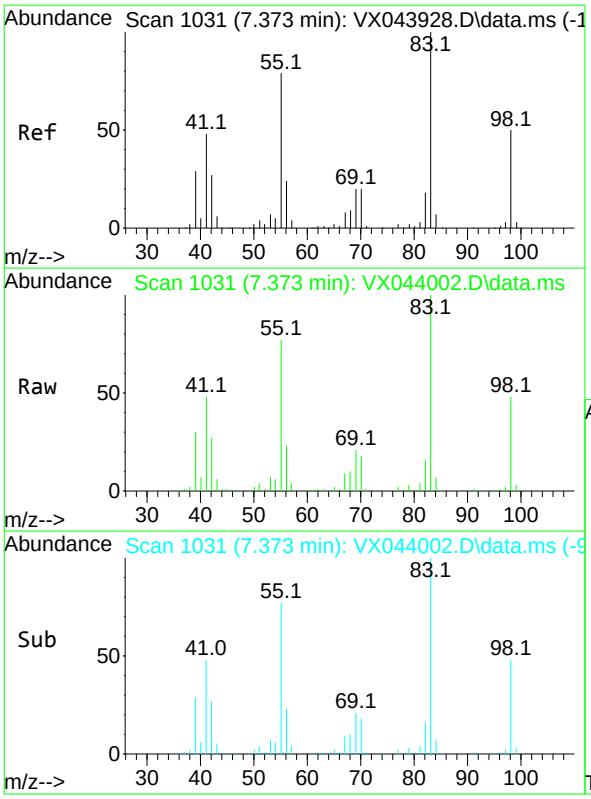


#38
Carbon Tetrachloride
Concen: 46.611 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:117 Resp: 107711

Ion	Ratio	Lower	Upper
117	100		
119	93.1	75.2	112.8
121	31.6	24.5	36.7





#39
Methylcyclohexane
Concen: 43.198 ug/l
RT: 7.373 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

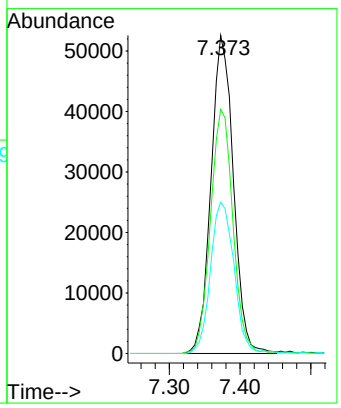
Tgt Ion: 83 Resp: 115415

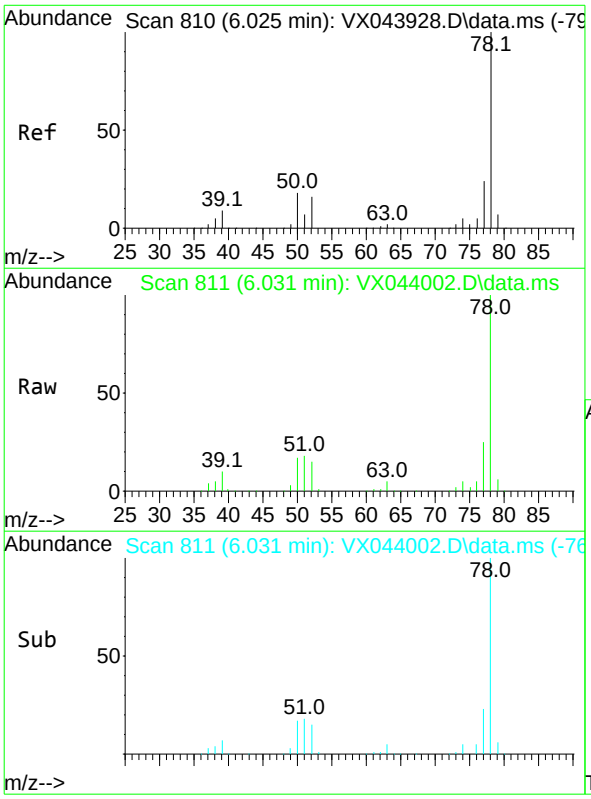
Ion	Ratio	Lower	Upper
83	100		
55	76.7	63.1	94.7
98	47.6	40.0	60.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

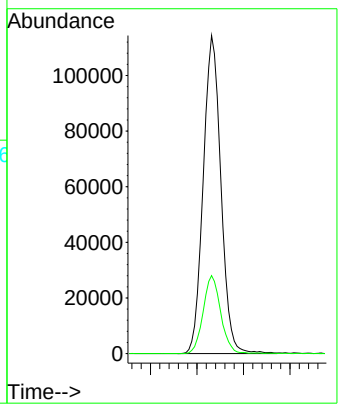


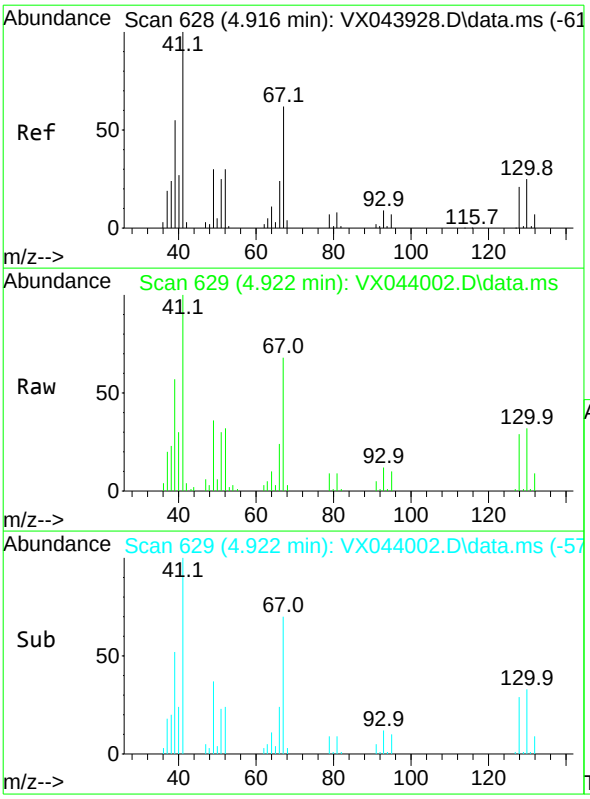


#40
Benzene
Concen: 47.188 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 78 Resp: 302293

Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.2	28.8

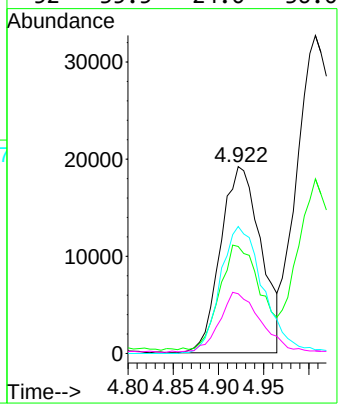




#41
Methacrylonitrile
Concen: 45.746 ug/l
RT: 4.922 min Scan# 62
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 41 Resp: 59772

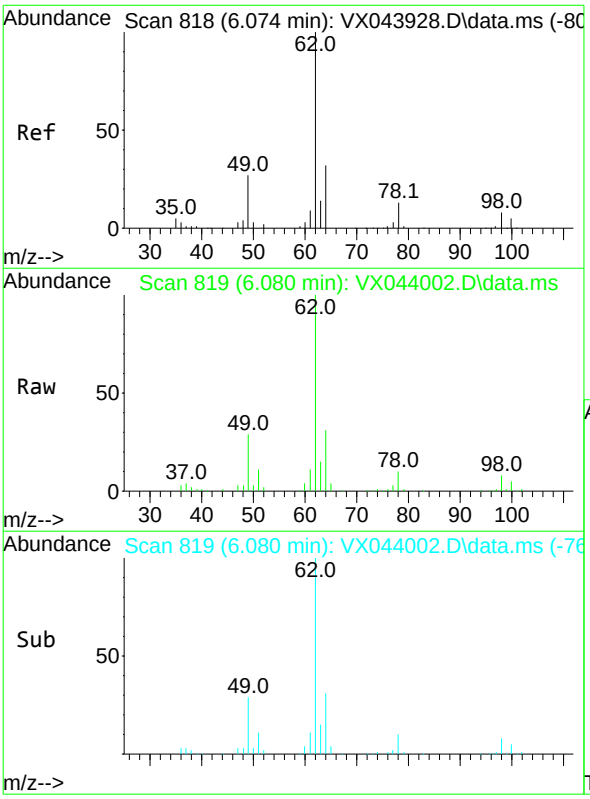
Ion	Ratio	Lower	Upper
41	100		
39	56.5	41.7	62.5
67	73.2	55.8	83.8
52	35.5	24.0	36.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

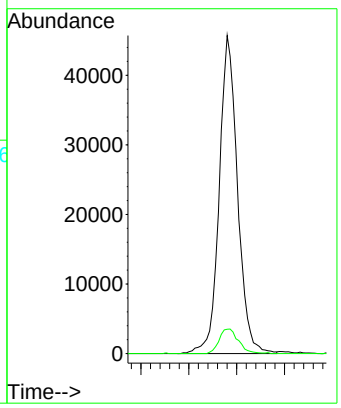
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

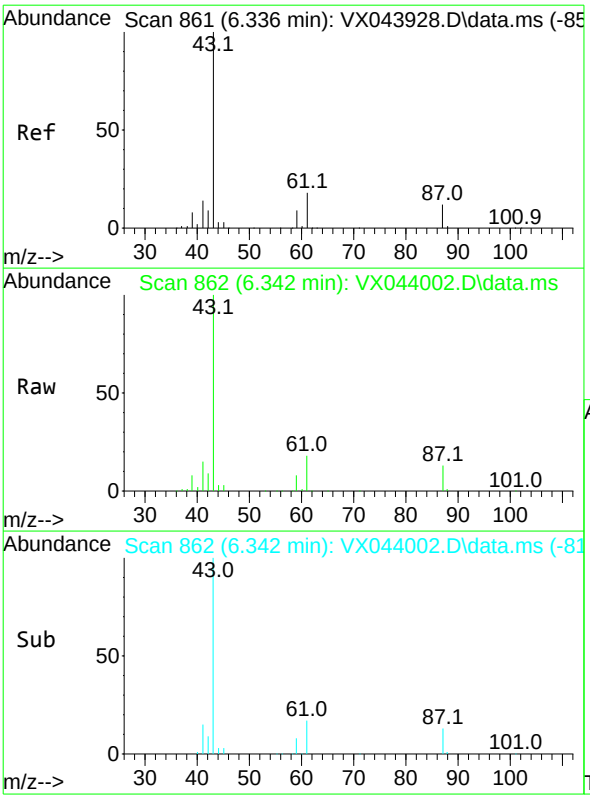


#42
1,2-Dichloroethane
Concen: 47.224 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 62 Resp: 121500

Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.4

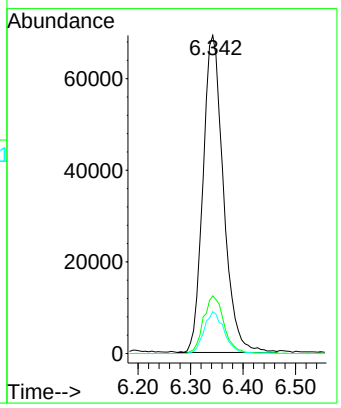




#43
Isopropyl Acetate
Concen: 46.041 ug/l
RT: 6.342 min Scan# 86
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 43 Resp: 187057

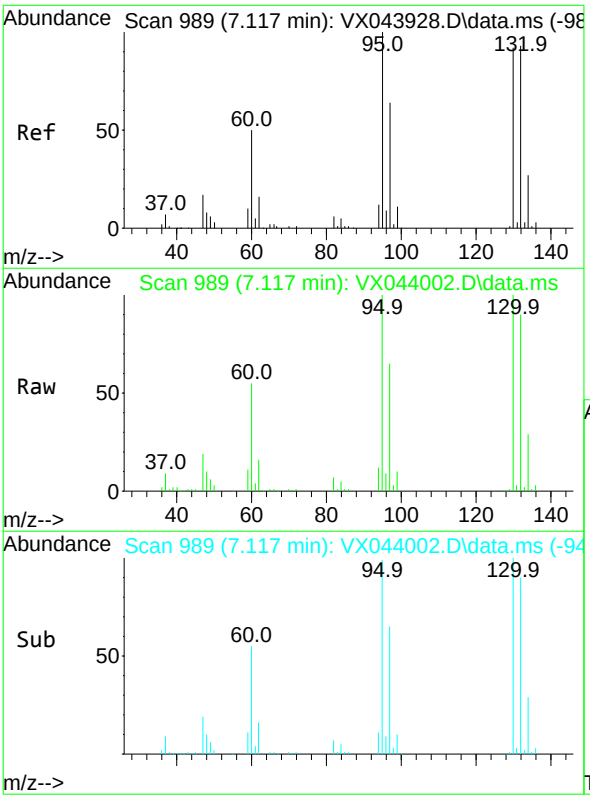
Ion	Ratio	Lower	Upper
43	100		
61	18.3	14.5	21.7
87	12.9	10.2	15.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

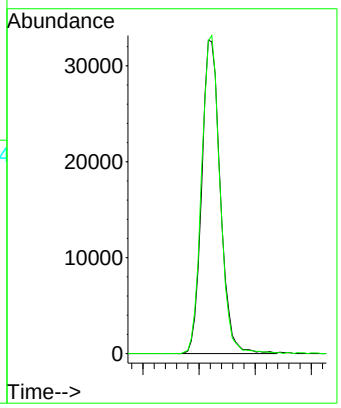
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

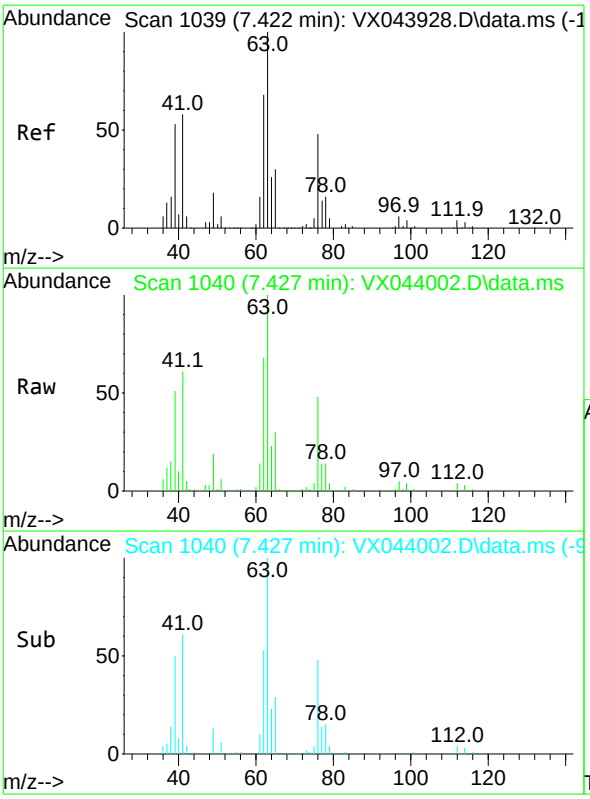


#44
Trichloroethene
Concen: 41.321 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:130 Resp: 74936

Ion	Ratio	Lower	Upper
130	100		
95	99.8	0.0	217.8

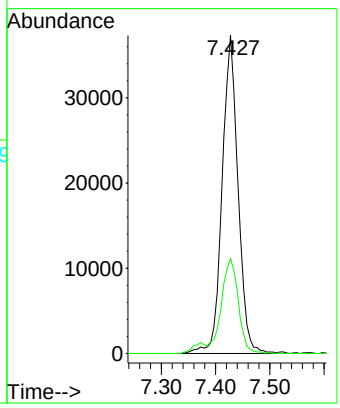




#45
1,2-Dichloropropane
Concen: 48.403 ug/l
RT: 7.427 min Scan# 10
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 63 Resp: 75945

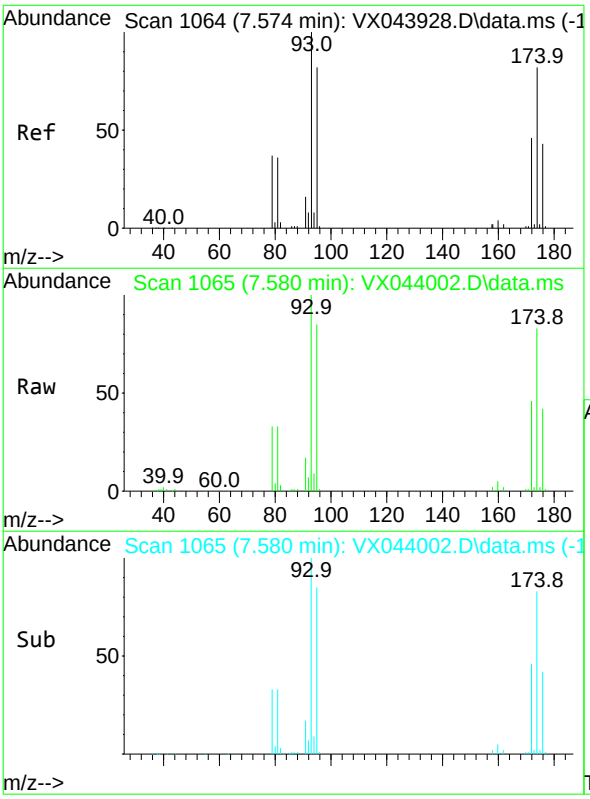
Ion	Ratio	Lower	Upper
63	100		
65	29.8	23.8	35.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

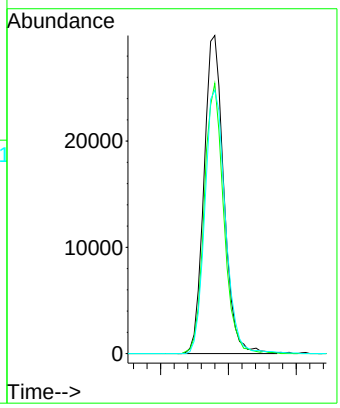
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

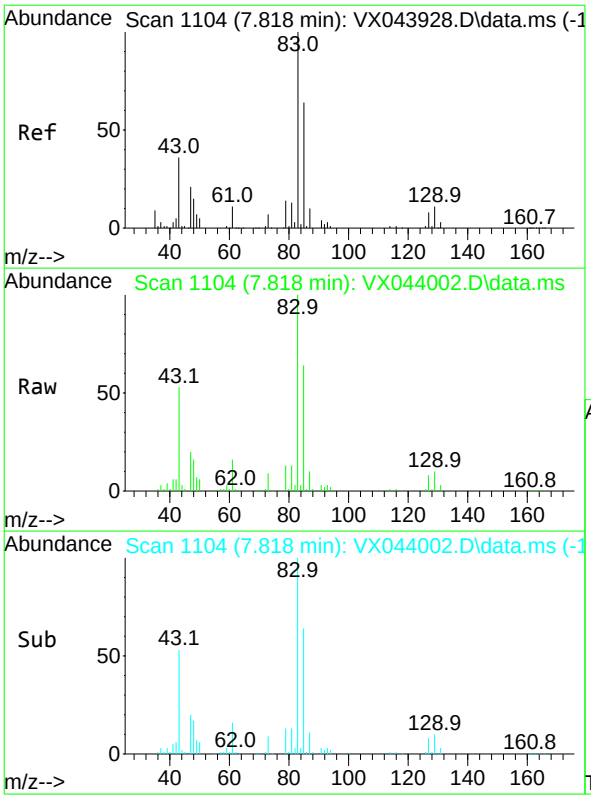


#46
Dibromomethane
Concen: 49.045 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 93 Resp: 60872

Ion	Ratio	Lower	Upper
93	100		
95	82.8	66.2	99.4
174	85.5	69.6	104.4

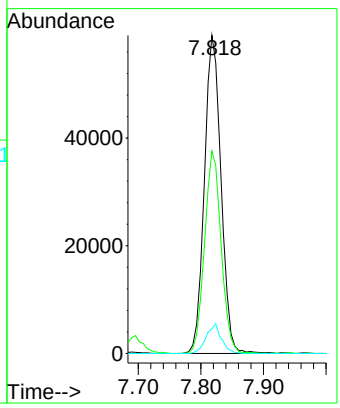




#47
Bromodichloromethane
Concen: 48.953 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 83 Resp: 108968

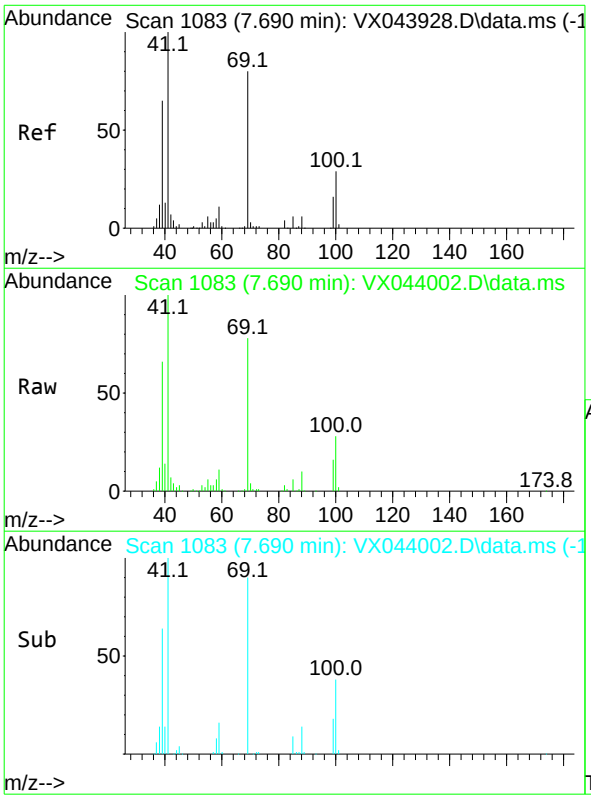
Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.4	77.0
127	7.7	6.6	10.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

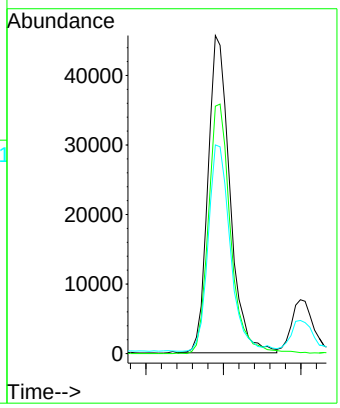
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

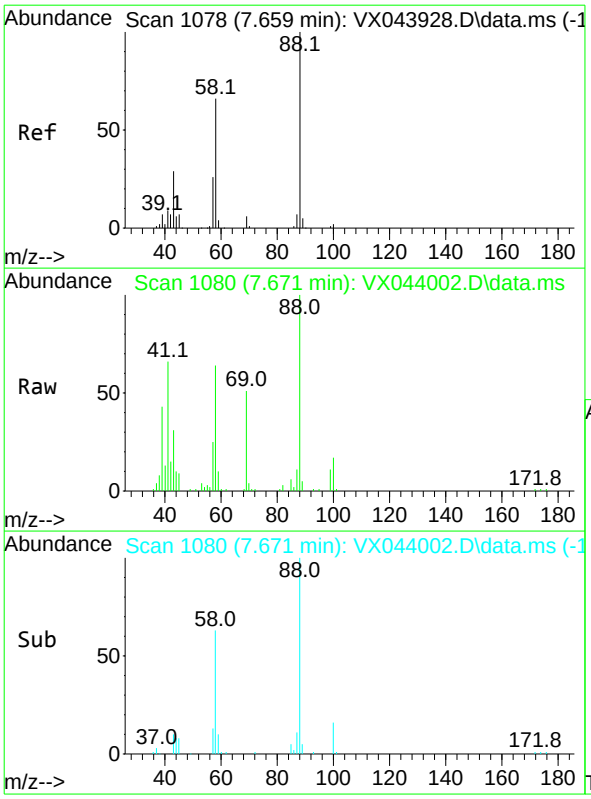


#48
Methyl methacrylate
Concen: 46.134 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 41 Resp: 89938

Ion	Ratio	Lower	Upper
41	100		
69	79.6	64.6	97.0
39	65.3	53.3	79.9

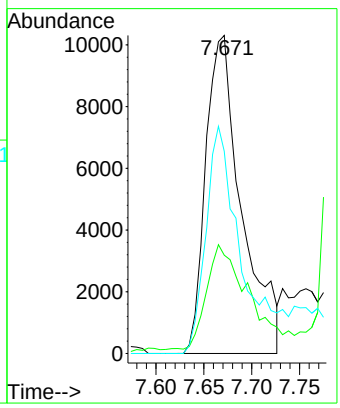




#49
1,4-Dioxane
Concen: 777.017 ug/l
RT: 7.671 min Scan# 10
Delta R.T. 0.012 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 88 Resp: 26983

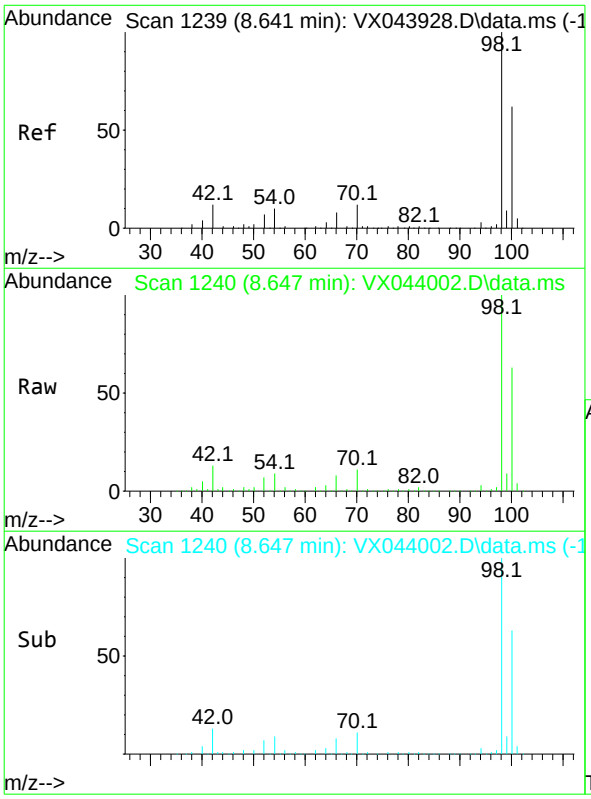
Ion	Ratio	Lower	Upper
88	100		
43	39.2	26.8	40.2
58	67.6	45.4	68.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

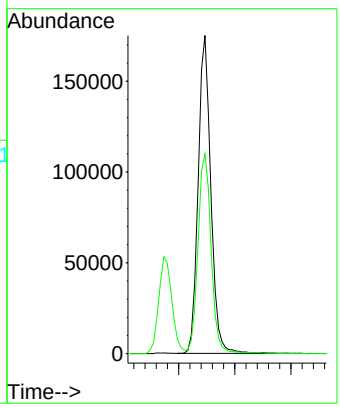
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

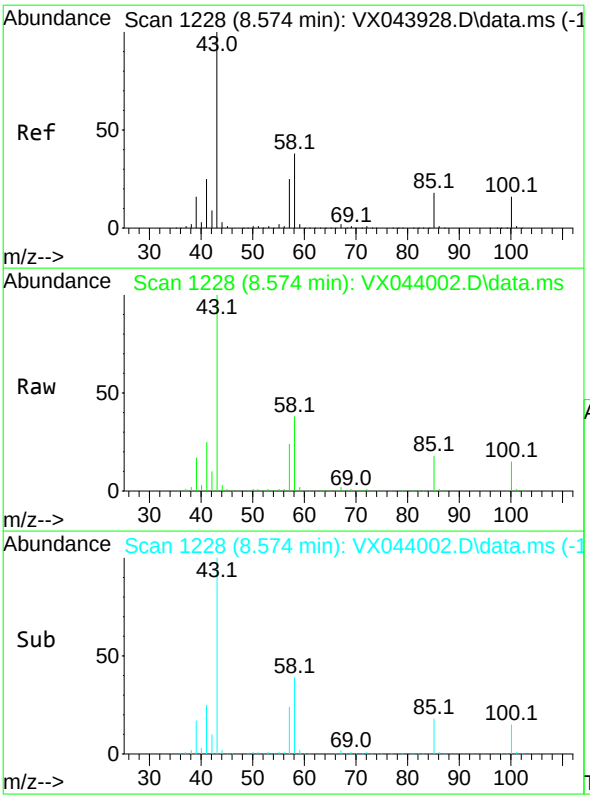


#50
Toluene-d8
Concen: 48.276 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 98 Resp: 274647

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.6	79.0

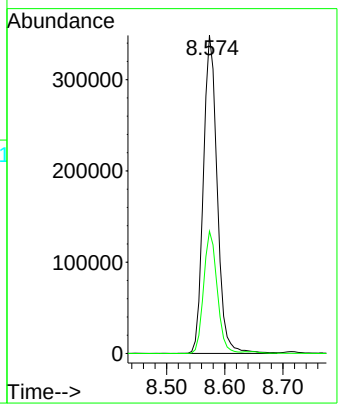




#51
4-Methyl-2-Pentanone
Concen: 232.731 ug/l
RT: 8.574 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 43 Resp: 577015

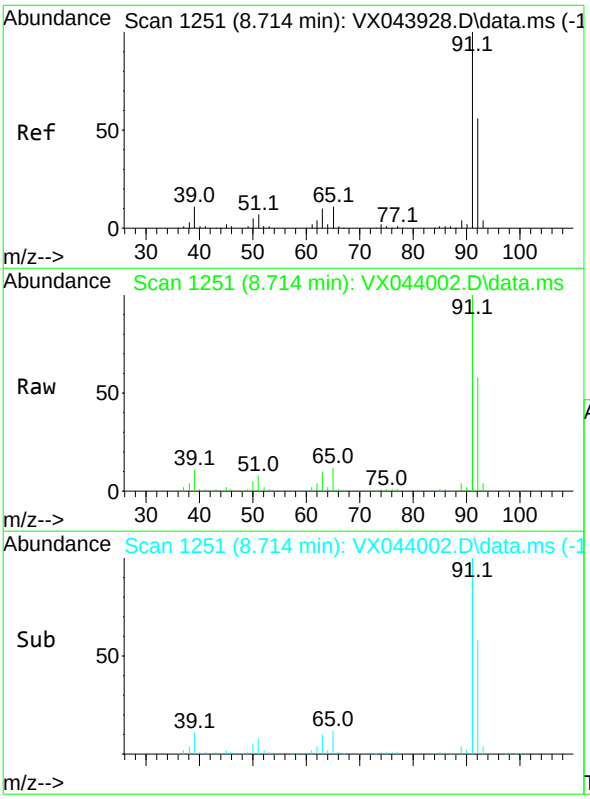
Ion	Ratio	Lower	Upper
43	100		
58	37.6	30.0	45.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

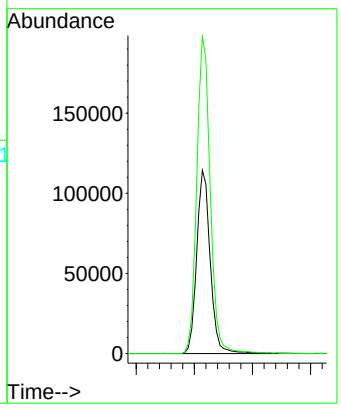
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

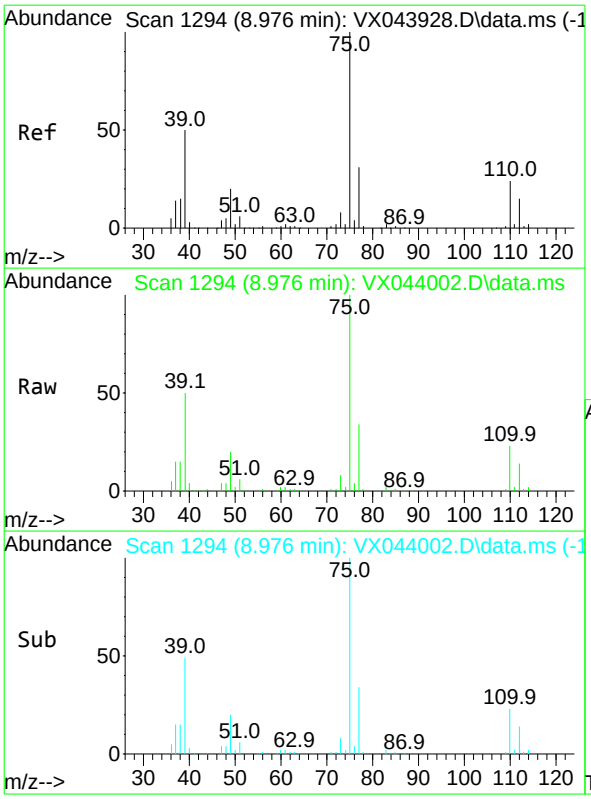


#52
Toluene
Concen: 48.090 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 92 Resp: 184390

Ion	Ratio	Lower	Upper
92	100		
91	173.2	139.7	209.5

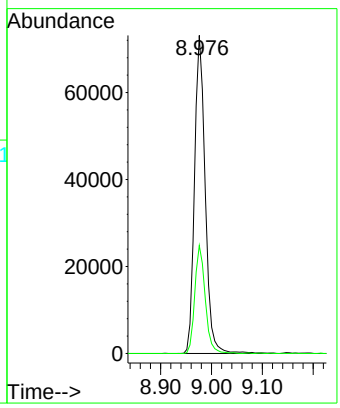




#53
t-1,3-Dichloropropene
Concen: 47.064 ug/l
RT: 8.976 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 75 Resp: 106834

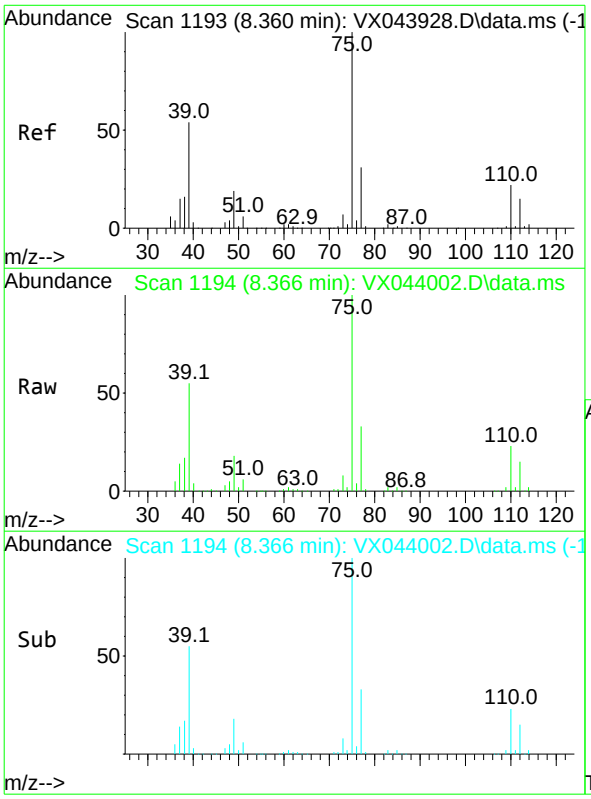
Ion	Ratio	Lower	Upper
75	100		
77	33.9	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

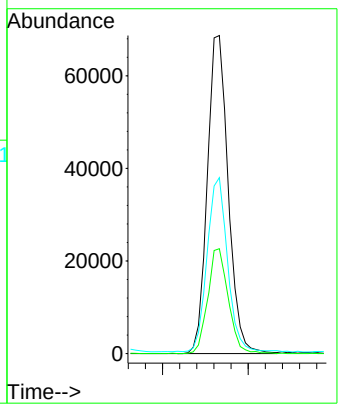
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

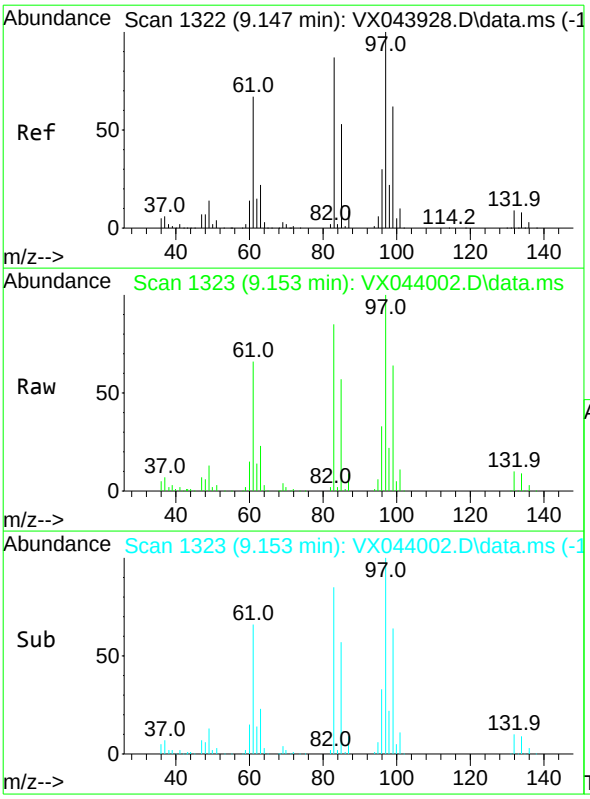


#54
cis-1,3-Dichloropropene
Concen: 46.816 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 75 Resp: 116499

Ion	Ratio	Lower	Upper
75	100		
77	33.0	25.2	37.8
39	54.6	43.1	64.7

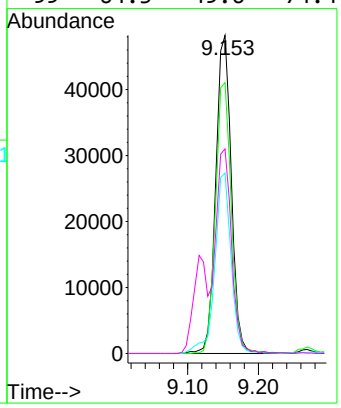




#55
1,1,2-Trichloroethane
Concen: 46.565 ug/l
RT: 9.153 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 97 Resp: 73702

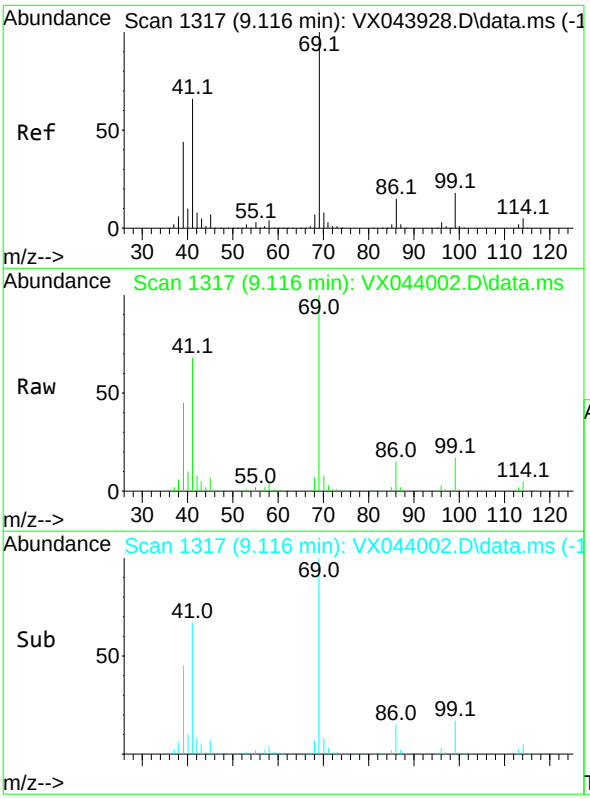
Ion	Ratio	Lower	Upper
97	100		
83	85.2	69.4	104.0
85	56.6	42.3	63.5
99	64.3	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

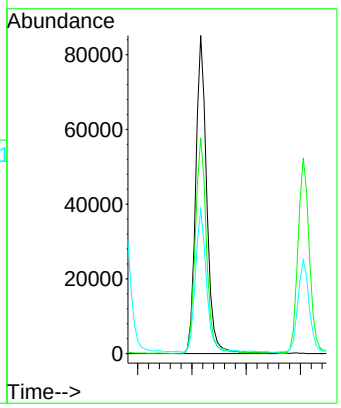
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

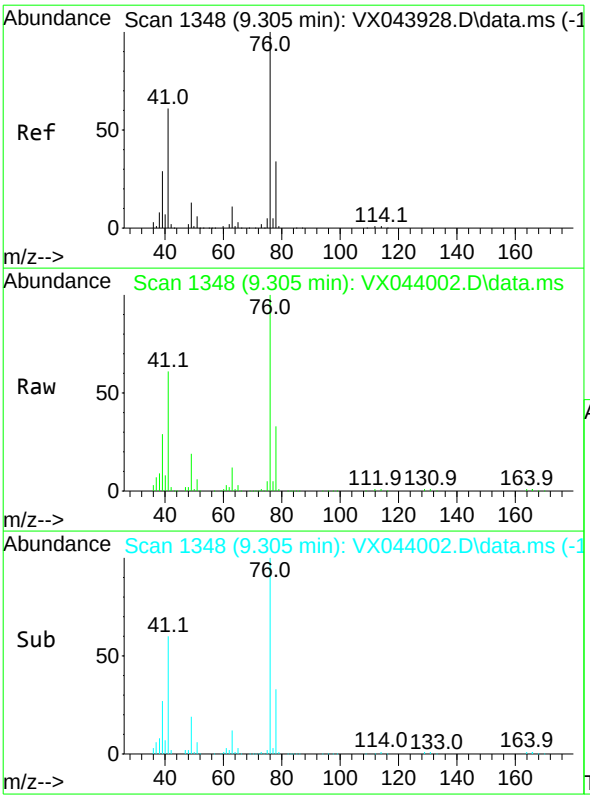


#56
Ethyl methacrylate
Concen: 48.673 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 69 Resp: 119993

Ion	Ratio	Lower	Upper
69	100		
41	69.2	55.8	83.8
39	45.1	36.7	55.1

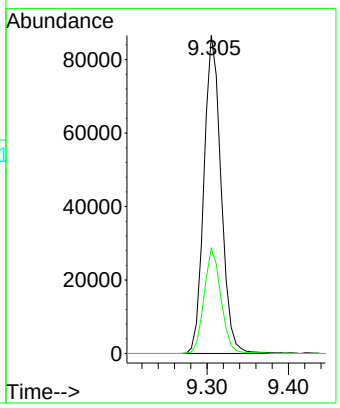




#57
1,3-Dichloropropane
Concen: 47.362 ug/l
RT: 9.305 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 76 Resp: 126279

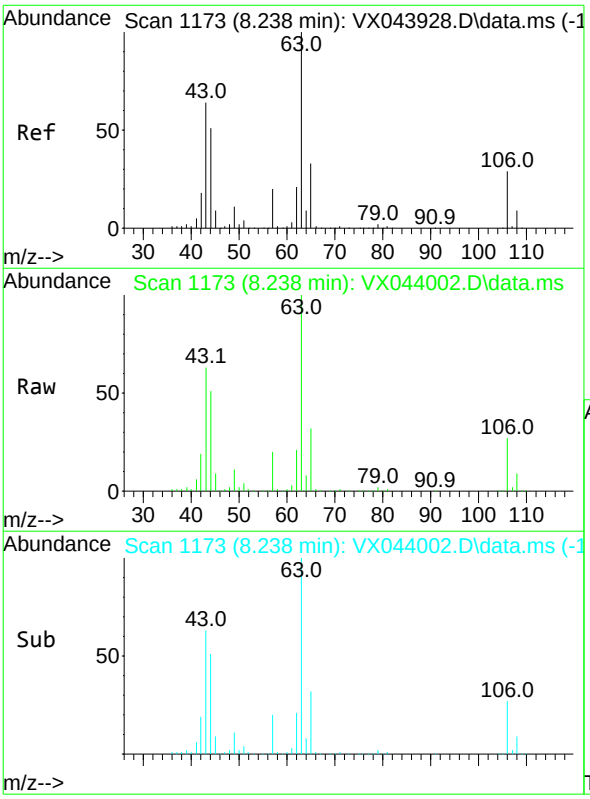
Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

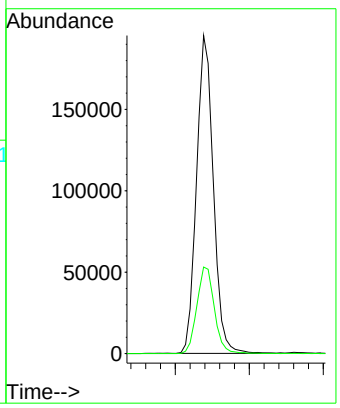
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

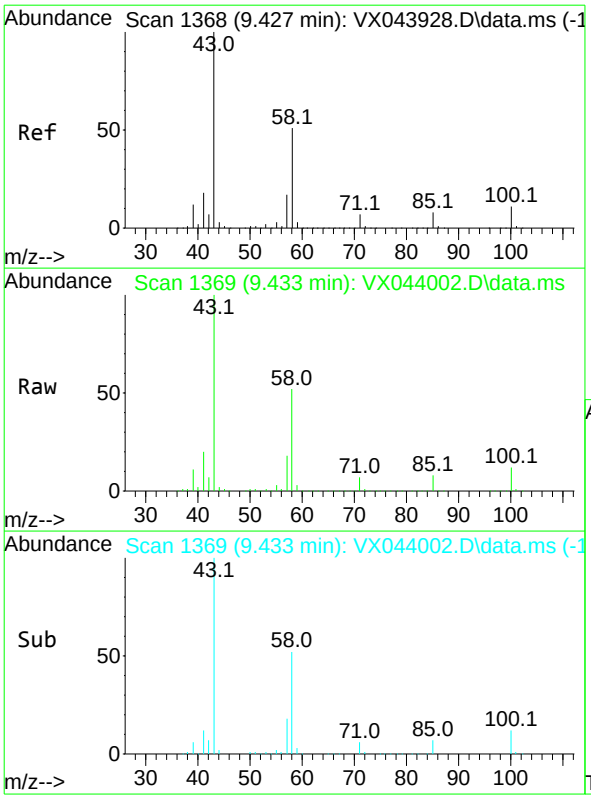


#58
2-Chloroethyl Vinyl ether
Concen: 227.585 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 63 Resp: 307827

Ion	Ratio	Lower	Upper
63	100		
106	28.4	23.0	34.6

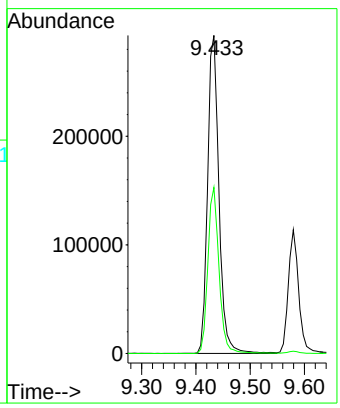




#59
2-Hexanone
Concen: 228.307 ug/l
RT: 9.433 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 43 Resp: 425456

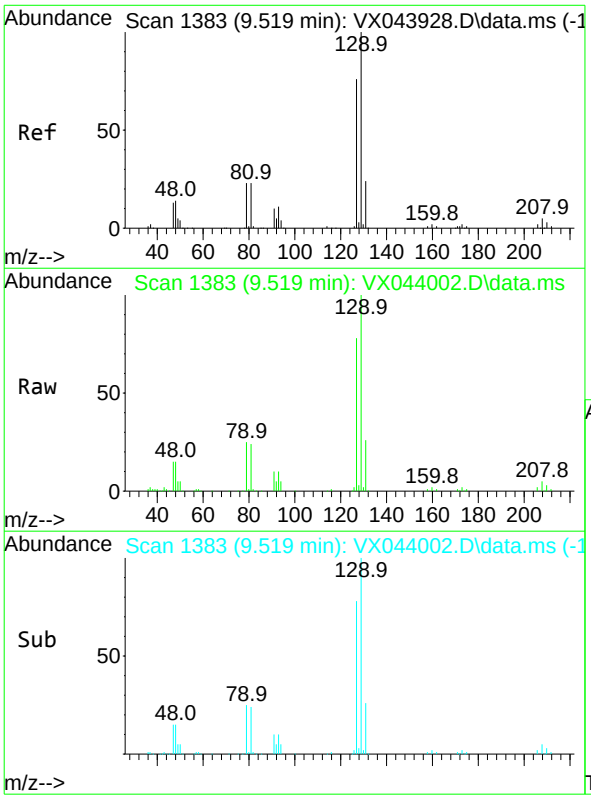
Ion	Ratio	Lower	Upper
43	100		
58	51.6	25.9	77.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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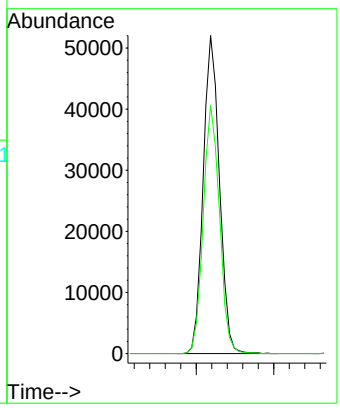
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

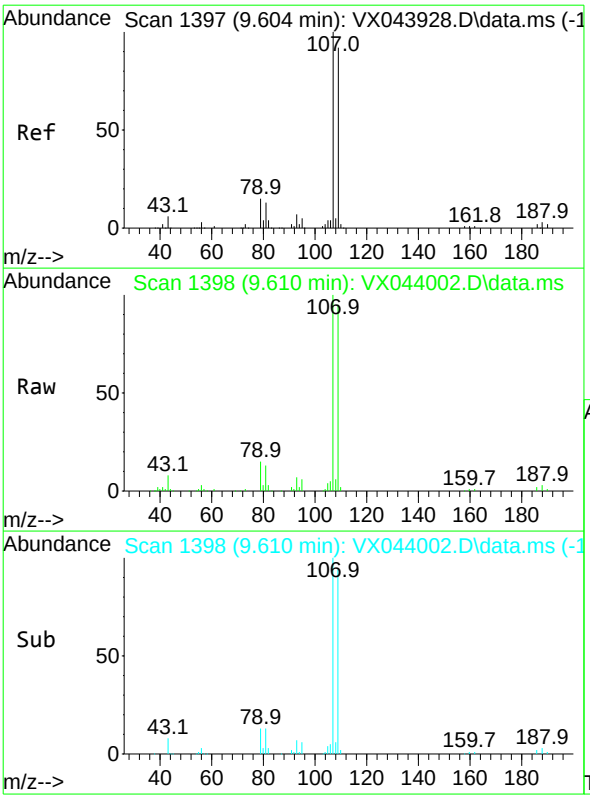


#60
Dibromochloromethane
Concen: 47.648 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:129 Resp: 75667

Ion	Ratio	Lower	Upper
129	100		
127	78.2	38.2	114.6

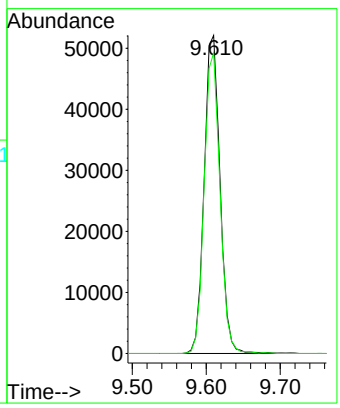




#61
1,2-Dibromoethane
Concen: 48.453 ug/l
RT: 9.610 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:107 Resp: 77546

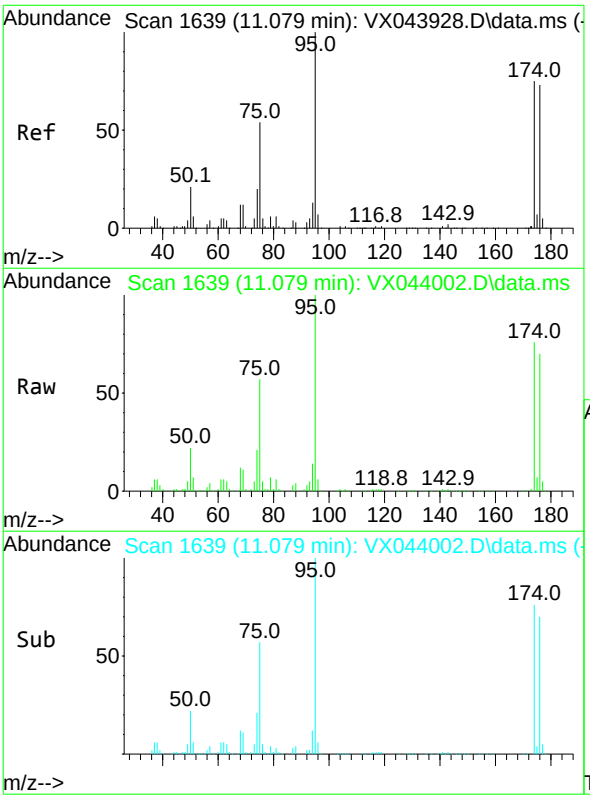
Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.2	112.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

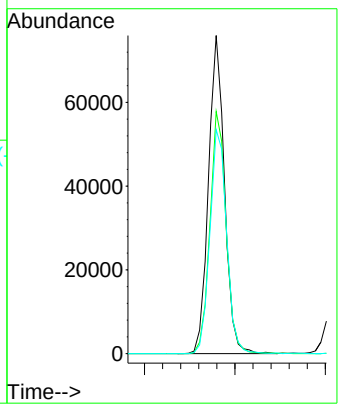
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

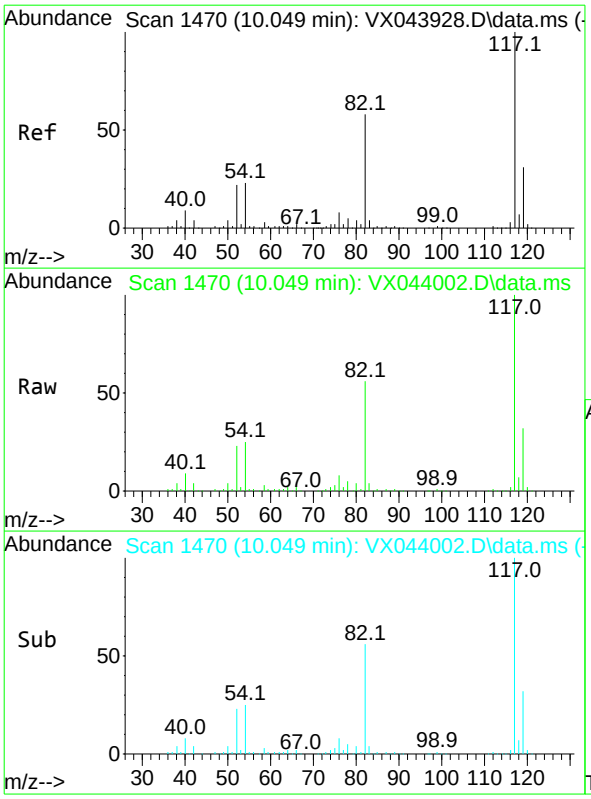


#62
4-Bromofluorobenzene
Concen: 48.195 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 95 Resp: 93312

Ion	Ratio	Lower	Upper
95	100		
174	76.8	0.0	150.4
176	73.4	0.0	146.0

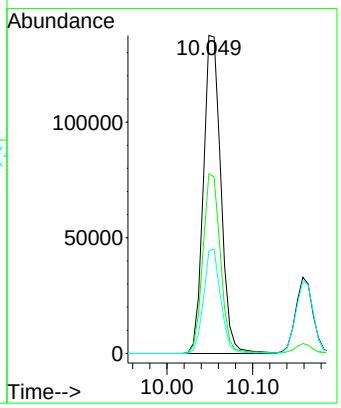




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:117 Resp: 194454

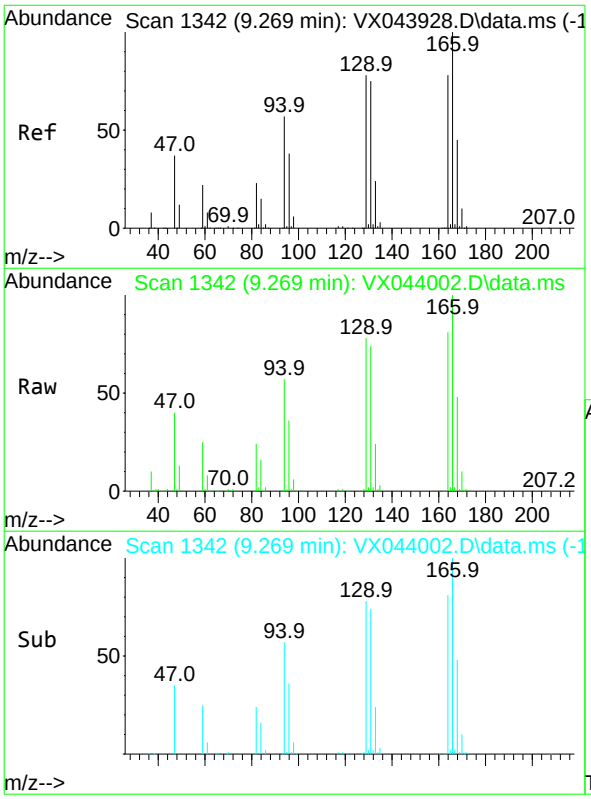
Ion	Ratio	Lower	Upper
117	100		
82	56.5	46.4	69.6
119	32.3	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

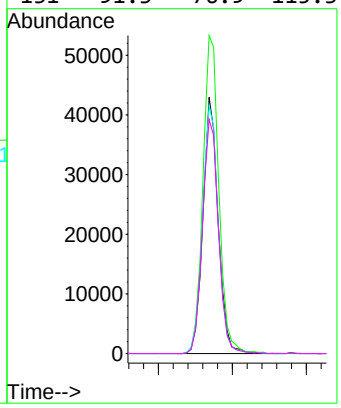
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

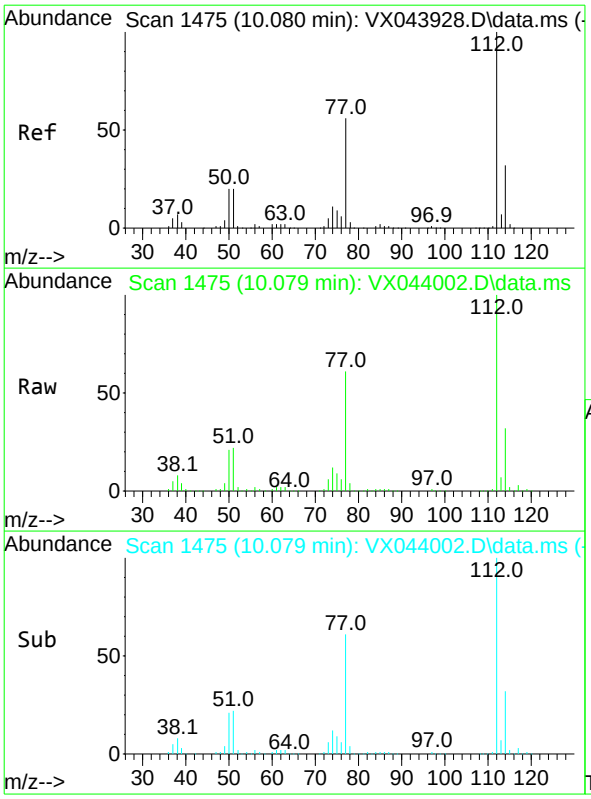


#64
Tetrachloroethene
Concen: 47.689 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:164 Resp: 61147

Ion	Ratio	Lower	Upper
164	100		
166	124.1	102.1	153.1
129	96.8	79.6	119.4
131	91.3	76.9	115.3

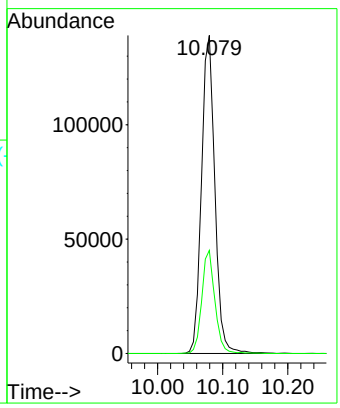




#65
Chlorobenzene
Concen: 46.431 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:112 Resp: 198294

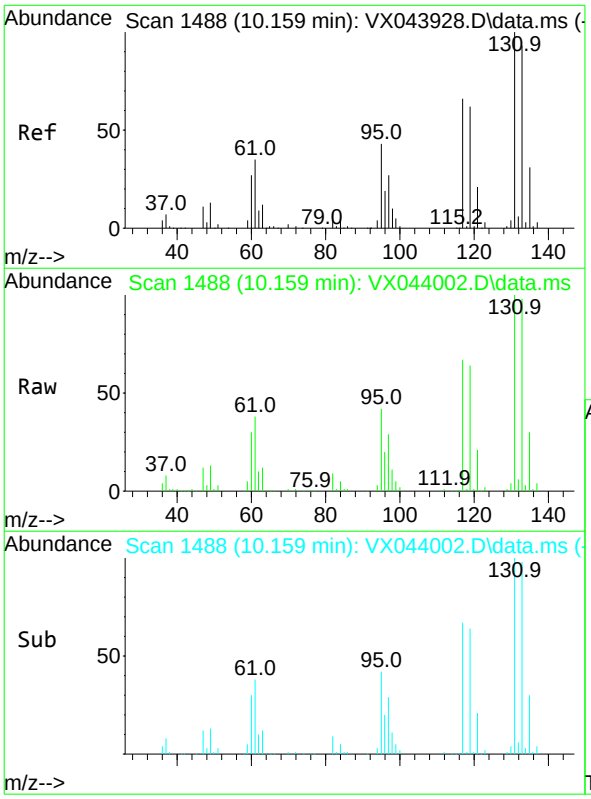
Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

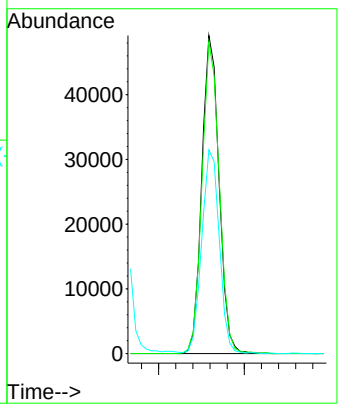
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

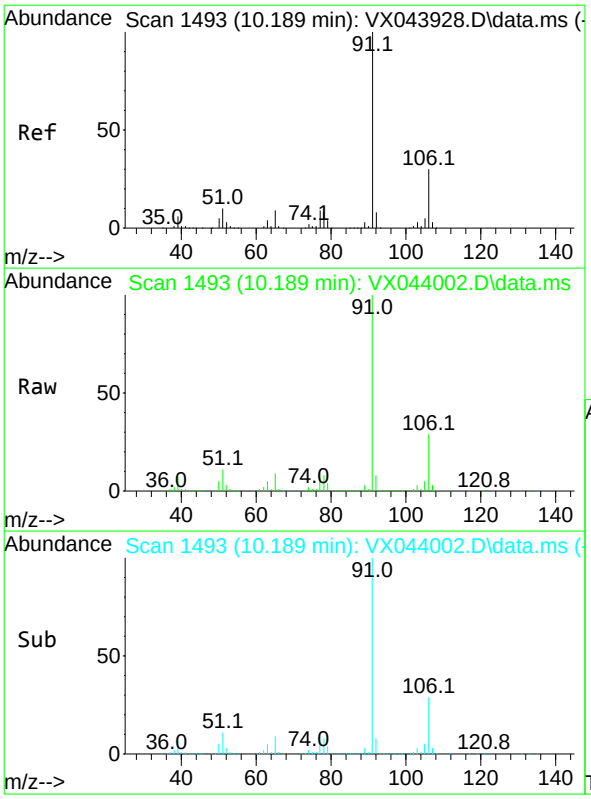


#66
1,1,1,2-Tetrachloroethane
Concen: 49.406 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:131 Resp: 68431

Ion	Ratio	Lower	Upper
131	100		
133	98.3	48.2	144.6
119	65.5	31.5	94.5





#67
Ethyl Benzene
Concen: 48.488 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

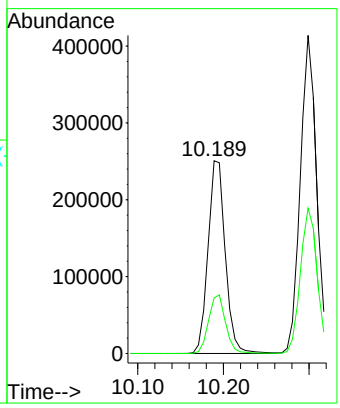
Tgt Ion: 91 Resp: 350901

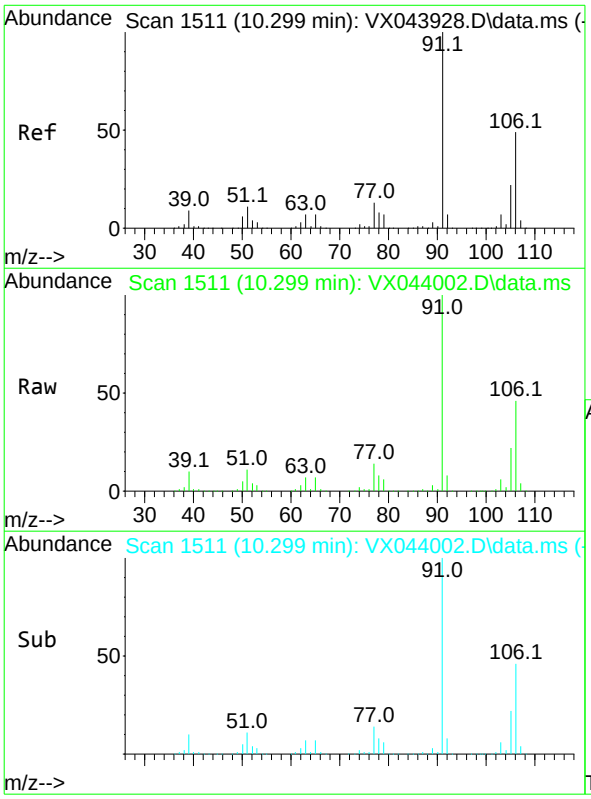
Ion	Ratio	Lower	Upper
91	100		
106	28.9	23.6	35.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

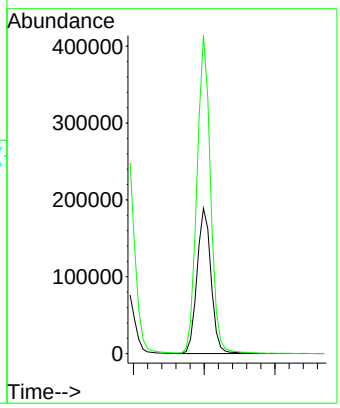


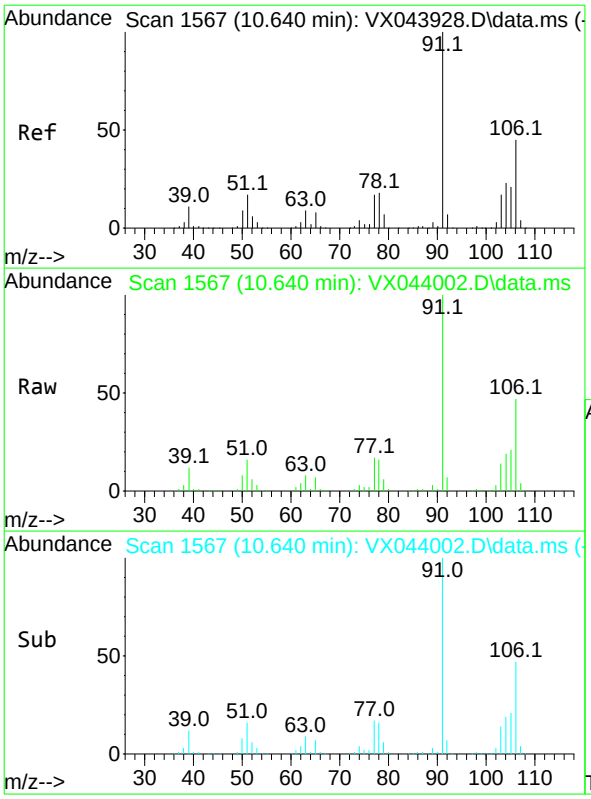


#68
m/p-Xylenes
Concen: 96.253 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:106 Resp: 259765

Ion	Ratio	Lower	Upper
106	100		
91	212.4	168.1	252.1

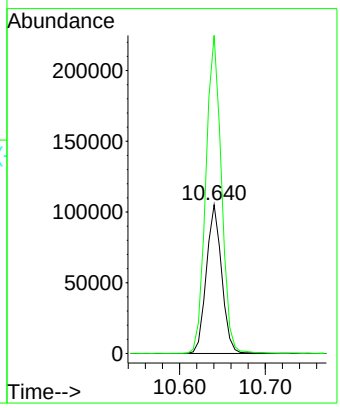




#69
o-Xylene
Concen: 49.529 ug/l
RT: 10.640 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:106 Resp: 130506

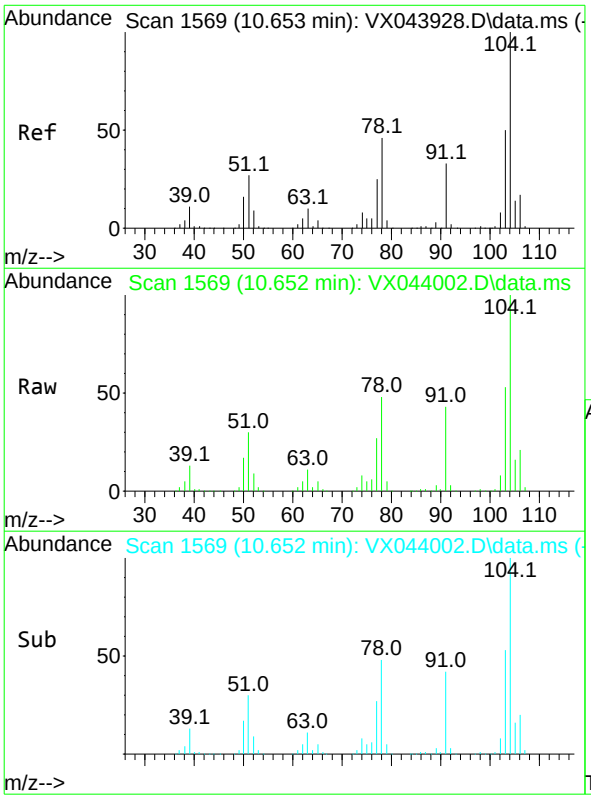
Ion	Ratio	Lower	Upper
106	100		
91	217.2	110.2	330.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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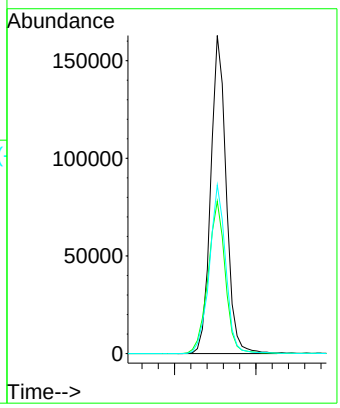
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

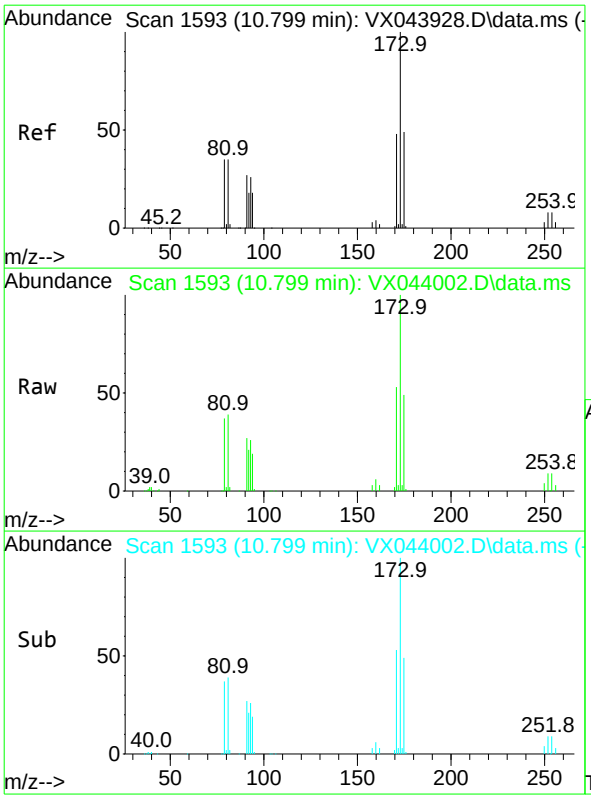


#70
Styrene
Concen: 49.457 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:104 Resp: 215539

Ion	Ratio	Lower	Upper
104	100		
78	53.3	42.2	63.2
103	56.3	44.7	67.1





#71
Bromoform
Concen: 43.484 ug/l
RT: 10.799 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

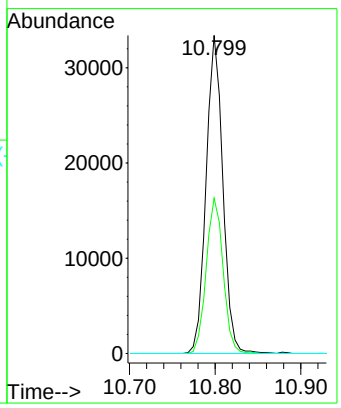
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

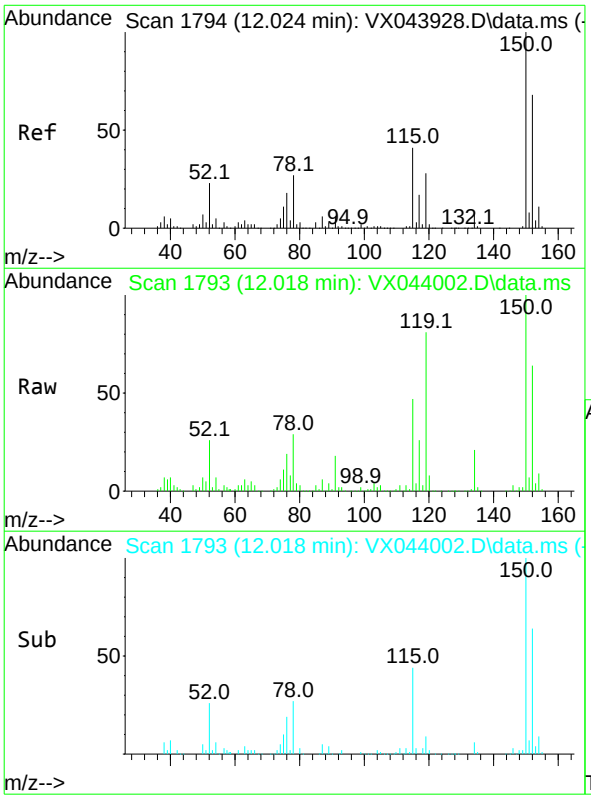
Tgt Ion:173 Resp: 45268

Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.1	72.2
254	0.0	0.0	0.0

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

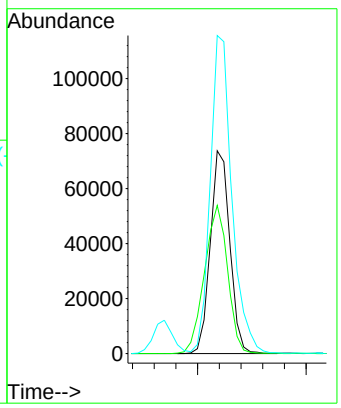


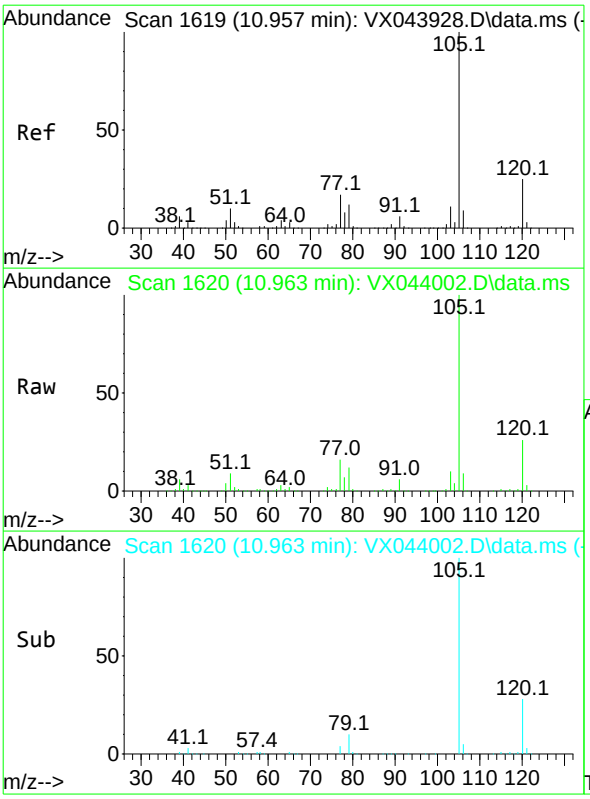


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:152 Resp: 92098

Ion	Ratio	Lower	Upper
152	100		
115	86.7	45.4	136.2
150	173.4	0.0	353.0

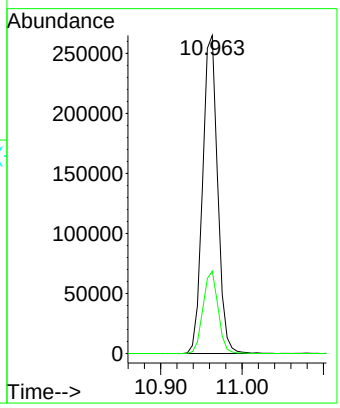




#73
Isopropylbenzene
Concen: 47.838 ug/l
RT: 10.963 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:105 Resp: 338668

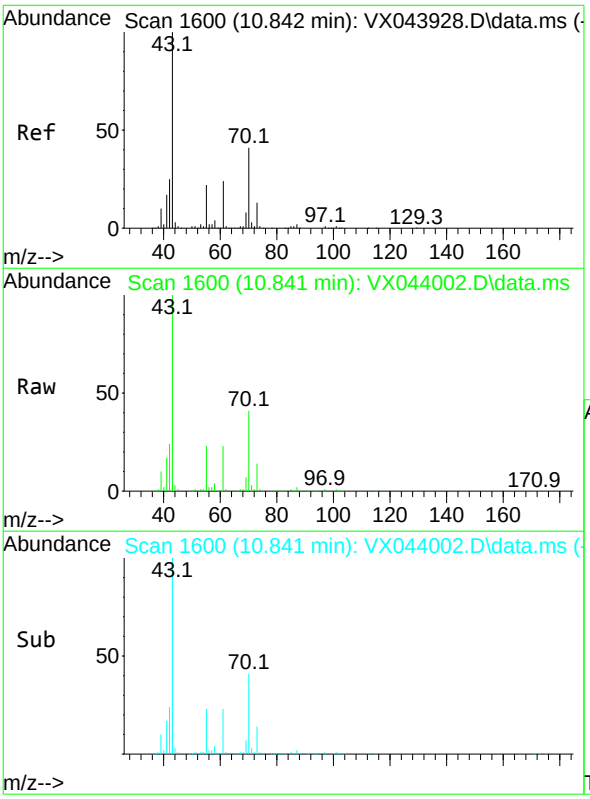
Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.0	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

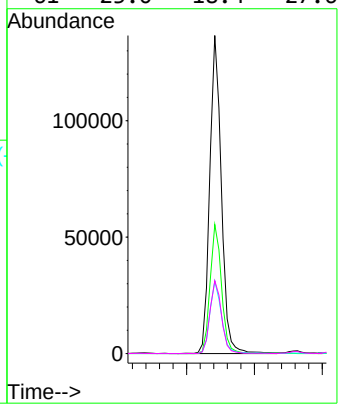
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

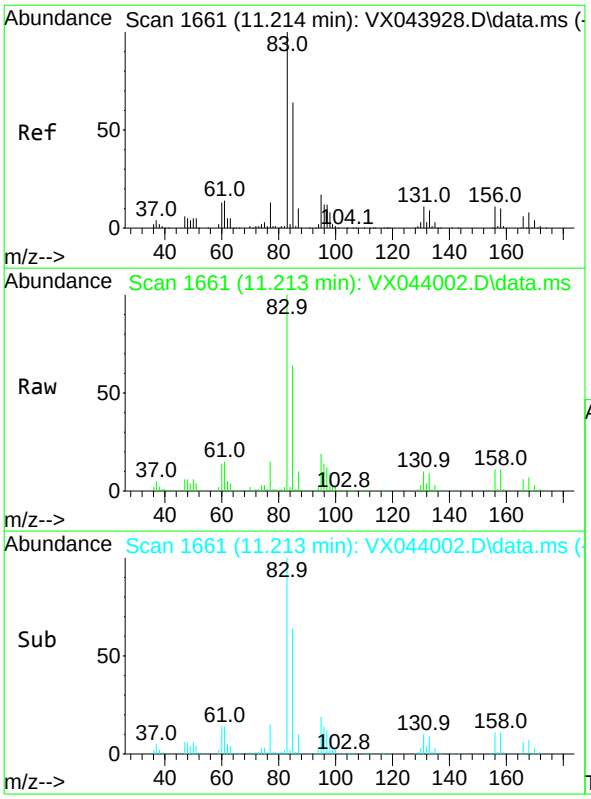


#74
N-amyl acetate
Concen: 49.487 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 43 Resp: 162298

Ion	Ratio	Lower	Upper
43	100		
70	40.0	32.2	48.2
55	22.8	18.1	27.1
61	23.0	18.4	27.6





#75
1,1,2,2-Tetrachloroethane
Concen: 47.162 ug/l
RT: 11.213 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

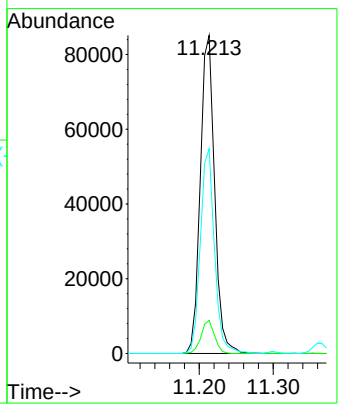
Tgt Ion: 83 Resp: 114325

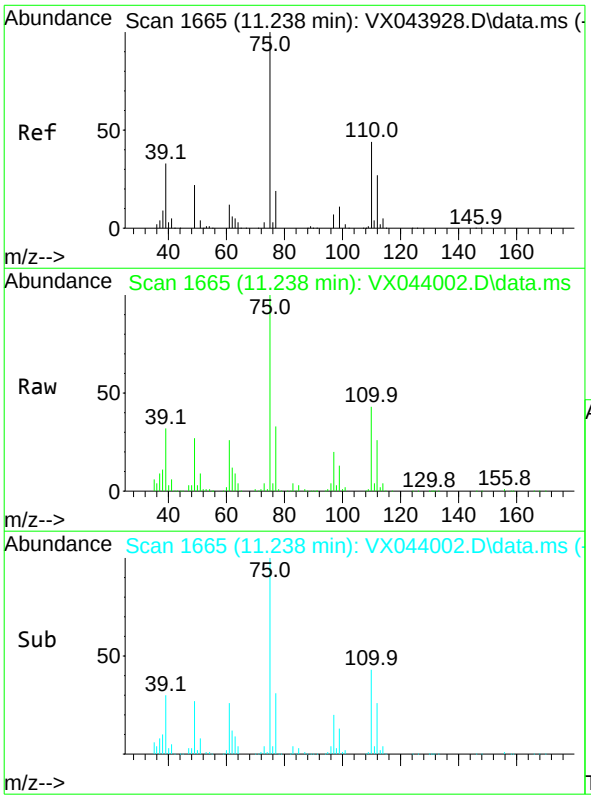
Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.1	15.2
85	63.6	32.2	96.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

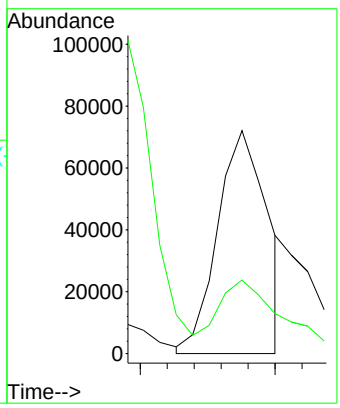


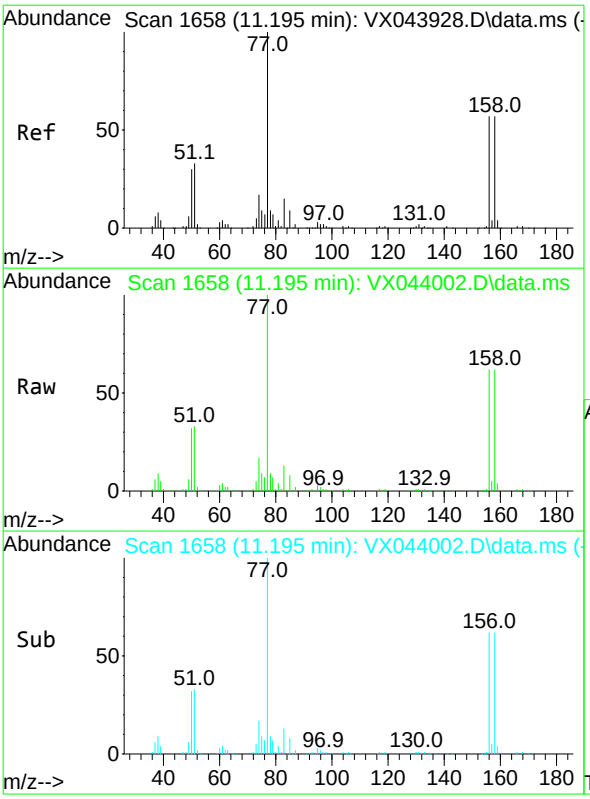


#76
1,2,3-Trichloropropane
Concen: 45.843 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 75 Resp: 92588

Ion	Ratio	Lower	Upper
75	100		
77	43.4	21.8	65.3





#77
Bromobenzene
Concen: 47.012 ug/l
RT: 11.195 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

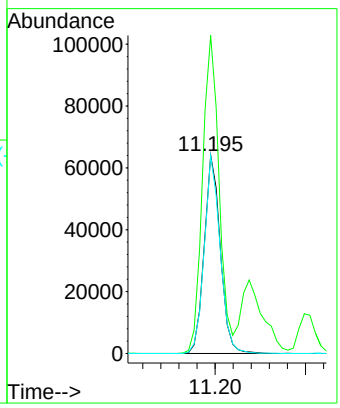
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

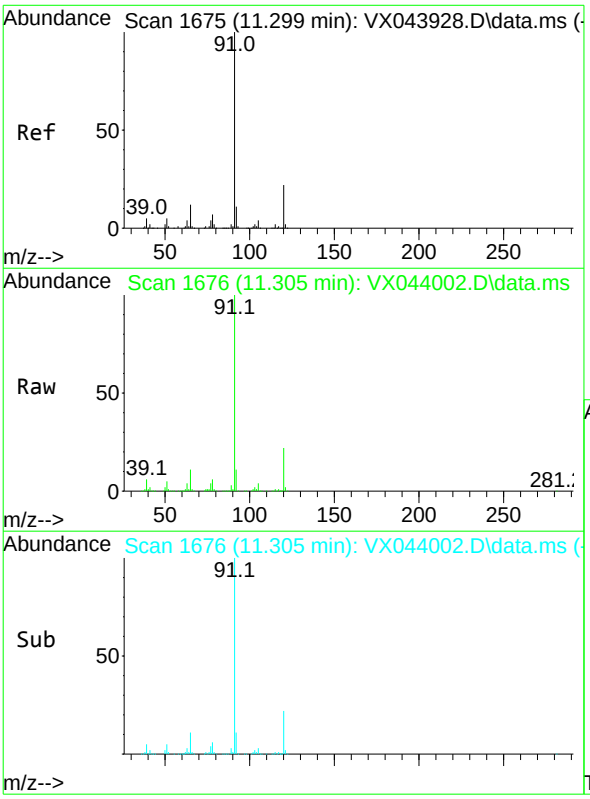
Tgt Ion:156 Resp: 79395

Ion	Ratio	Lower	Upper
156	100		
77	164.7	83.4	250.1
158	98.4	47.6	142.8

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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

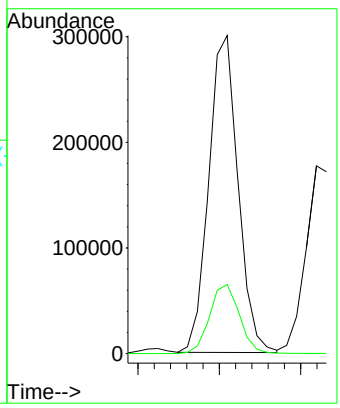


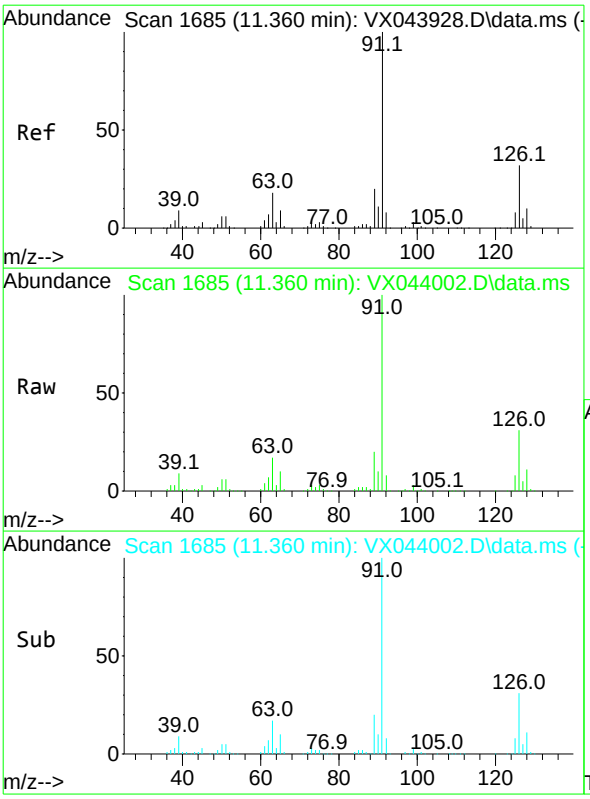


#78
n-propylbenzene
Concen: 47.443 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 91 Resp: 375124

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.5	34.4





#79
2-Chlorotoluene
Concen: 46.093 ug/l
RT: 11.360 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

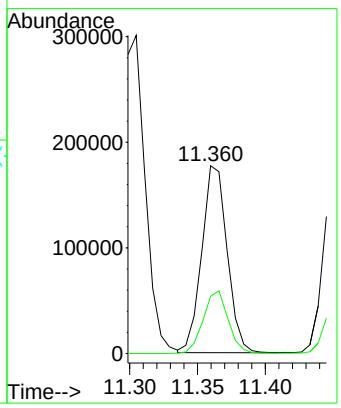
Tgt Ion: 91 Resp: 230455

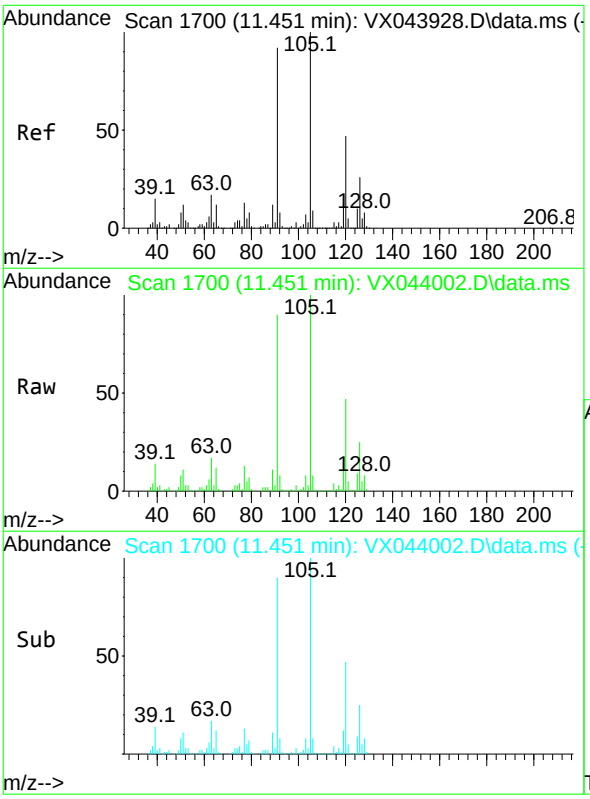
Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.6	49.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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Supervised By :Semsettin Yesilyurt 11/26/2024

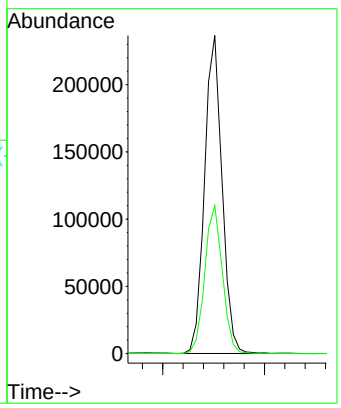


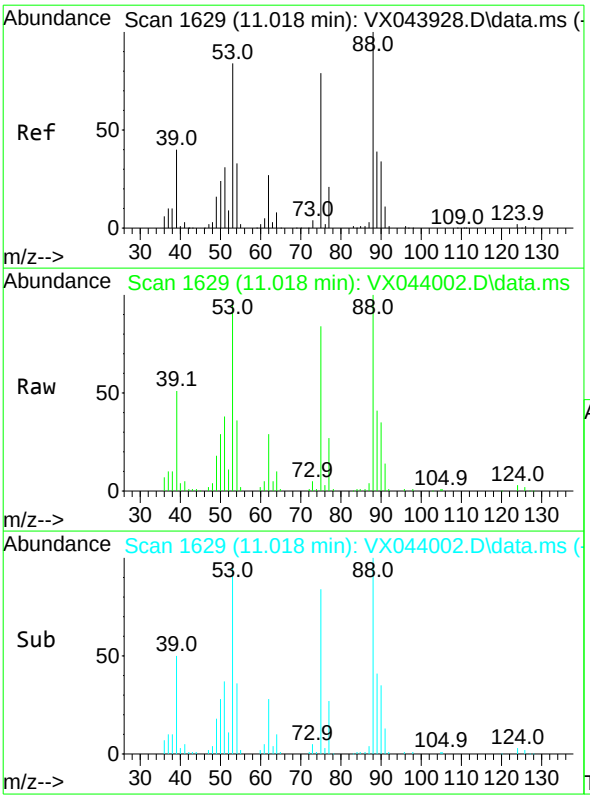


#80
1,3,5-Trimethylbenzene
Concen: 48.515 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:105 Resp: 282567

Ion	Ratio	Lower	Upper
105	100		
120	46.9	23.3	69.8





#81
trans-1,4-Dichloro-2-butene
Concen: 42.379 ug/l
RT: 11.018 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

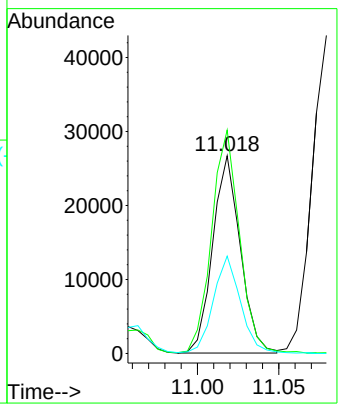
Tgt Ion: 75 Resp: 31367

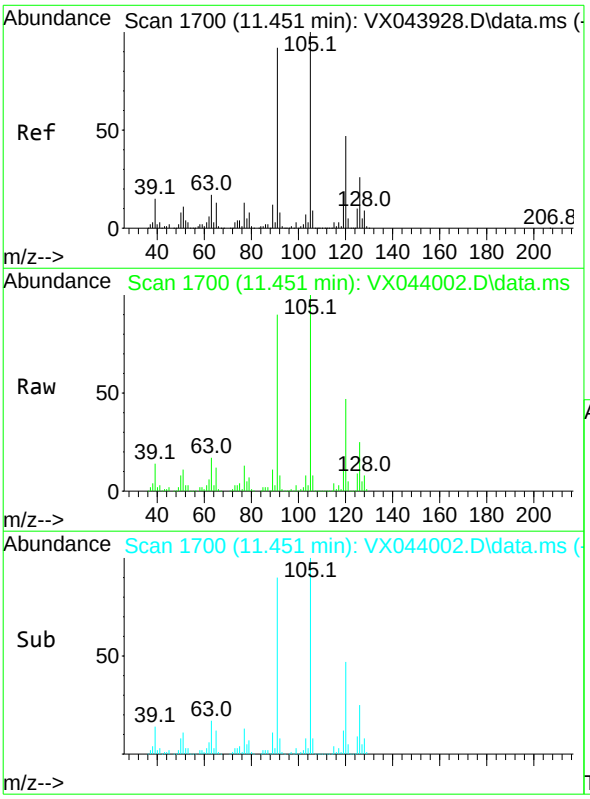
Ion	Ratio	Lower	Upper
75	100		
53	114.3	86.7	130.1
89	49.1	38.2	57.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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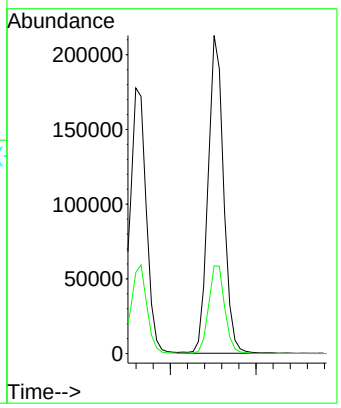


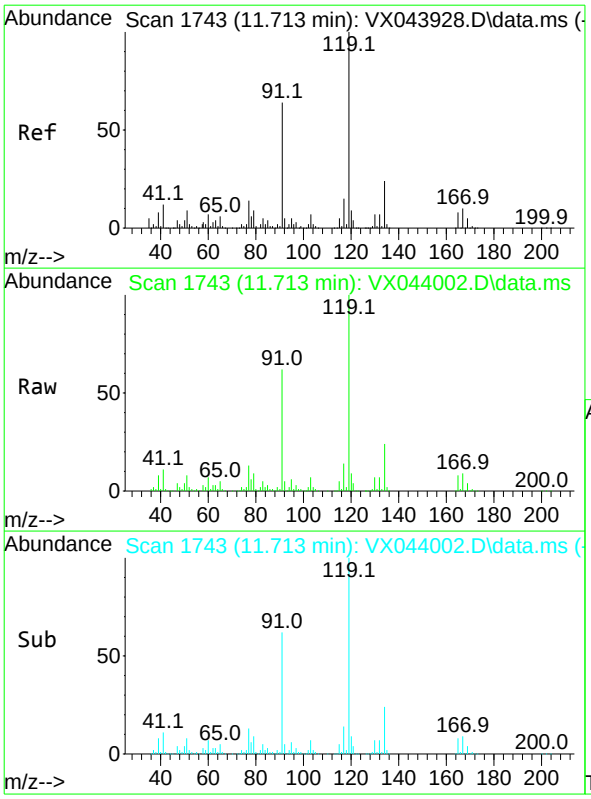


#82
4-Chlorotoluene
Concen: 47.210 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 91 Resp: 266480

Ion	Ratio	Lower	Upper
91	100		
126	28.8	14.3	42.9





#83
tert-Butylbenzene
Concen: 48.465 ug/l
RT: 11.713 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

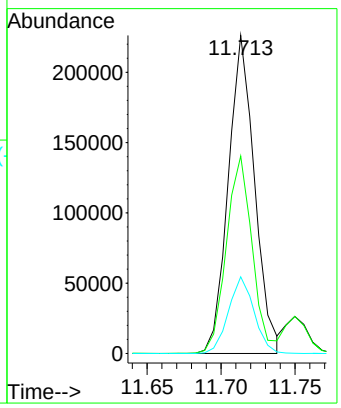
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

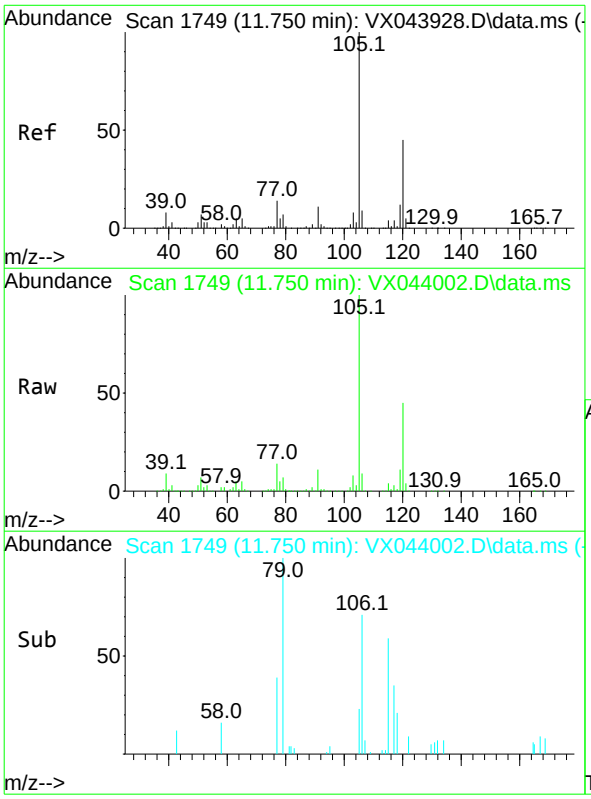
Tgt Ion:119 Resp: 279783

Ion	Ratio	Lower	Upper
119	100		
91	61.3	31.0	93.0
134	23.5	11.6	34.8

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Supervised By :Semsettin Yesilyurt 11/26/2024

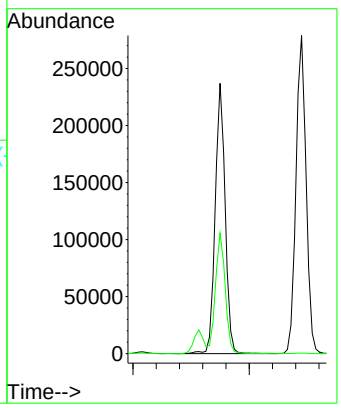


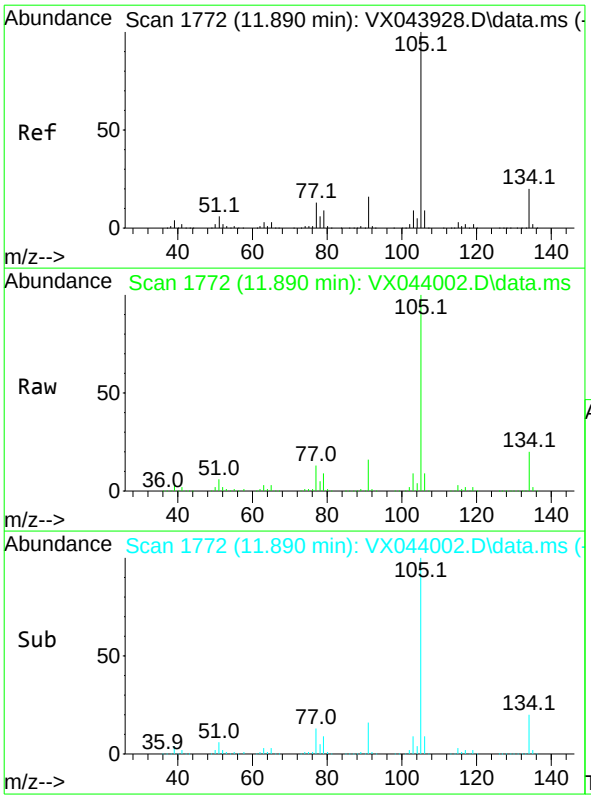


#84
1,2,4-Trimethylbenzene
Concen: 48.618 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:105 Resp: 281922

Ion	Ratio	Lower	Upper
105	100		
120	44.0	21.9	65.7





#85
sec-Butylbenzene
Concen: 47.629 ug/l
RT: 11.890 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

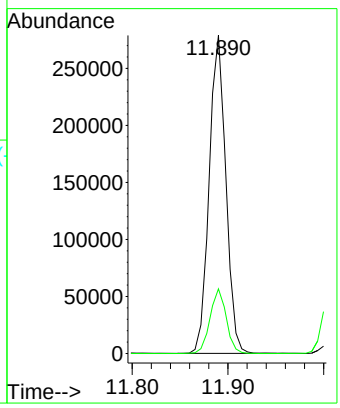
Tgt Ion:105 Resp: 336886

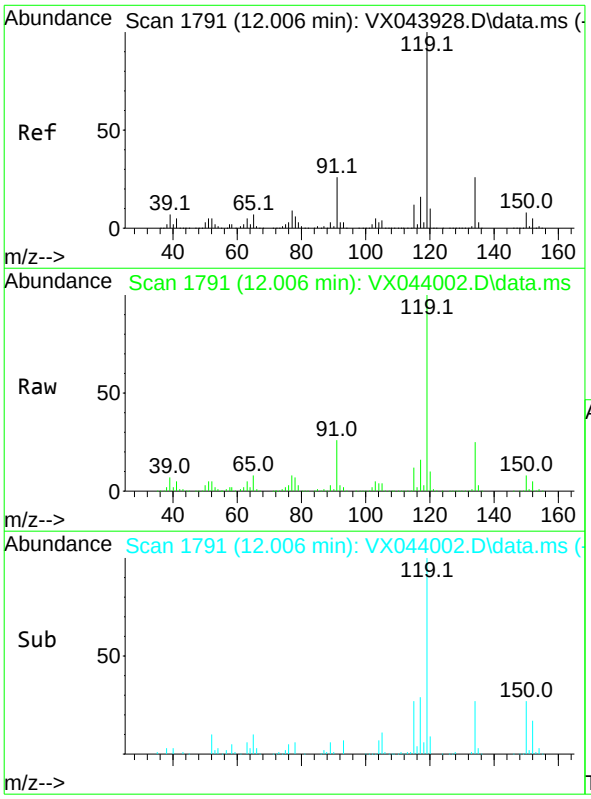
Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.7	29.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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Supervised By :Semsettin Yesilyurt 11/26/2024

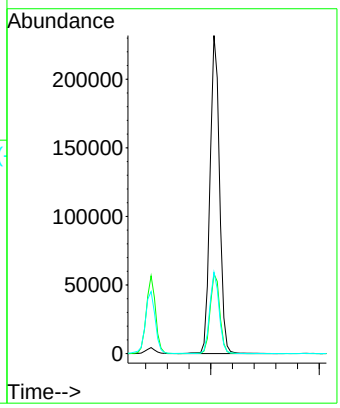


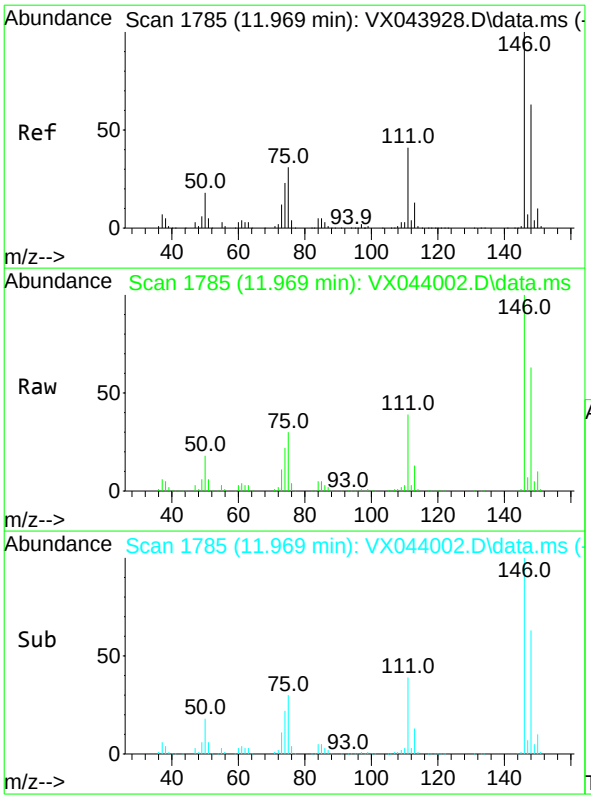


#86
p-Isopropyltoluene
Concen: 49.100 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:119 Resp: 282100

Ion	Ratio	Lower	Upper
119	100		
134	25.3	13.0	38.9
91	25.2	13.0	38.9

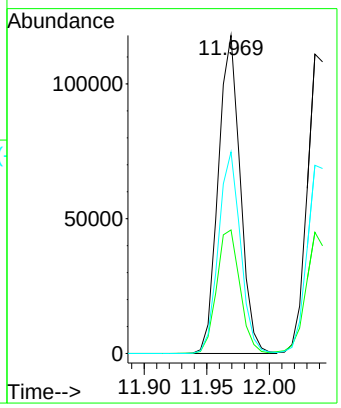




#87
1,3-Dichlorobenzene
Concen: 46.833 ug/l
RT: 11.969 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:146 Resp: 144052

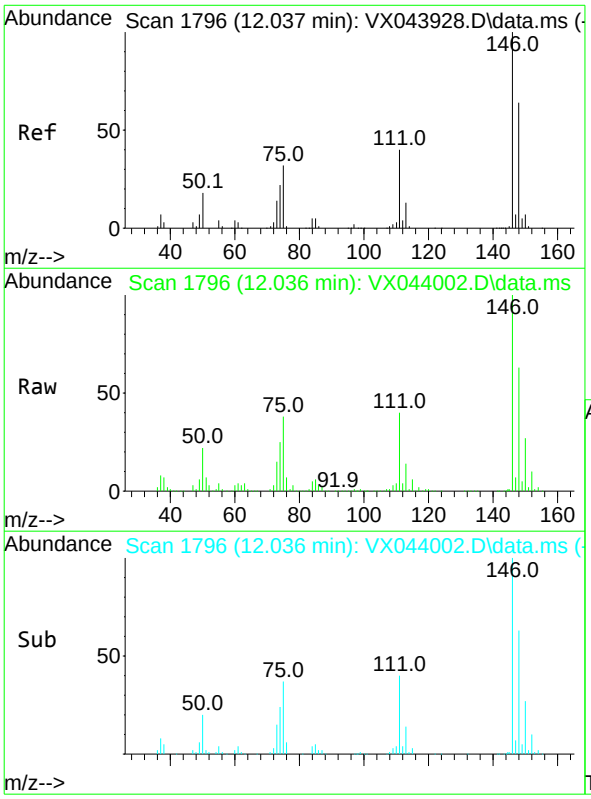
Ion	Ratio	Lower	Upper
146	100		
111	41.3	21.1	63.3
148	63.7	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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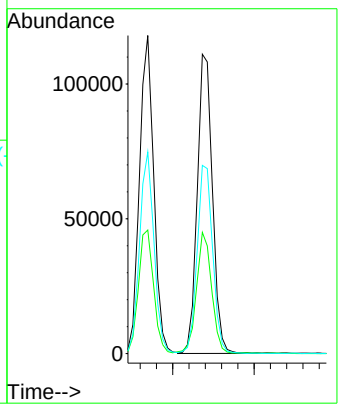
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

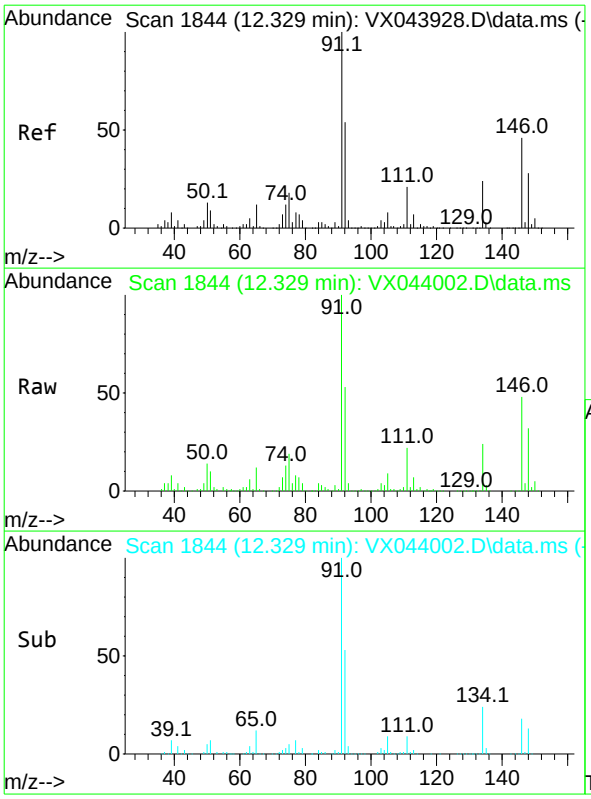


#88
1,4-Dichlorobenzene
Concen: 45.963 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:146 Resp: 144135

Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.1	60.3
148	64.1	30.9	92.8





#89
n-Butylbenzene
Concen: 47.613 ug/l
RT: 12.329 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

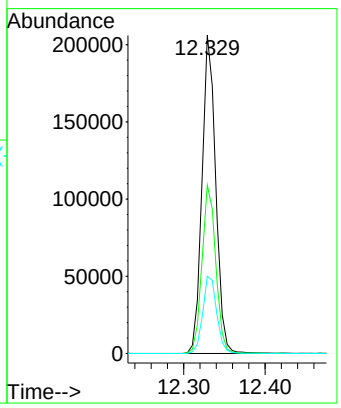
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

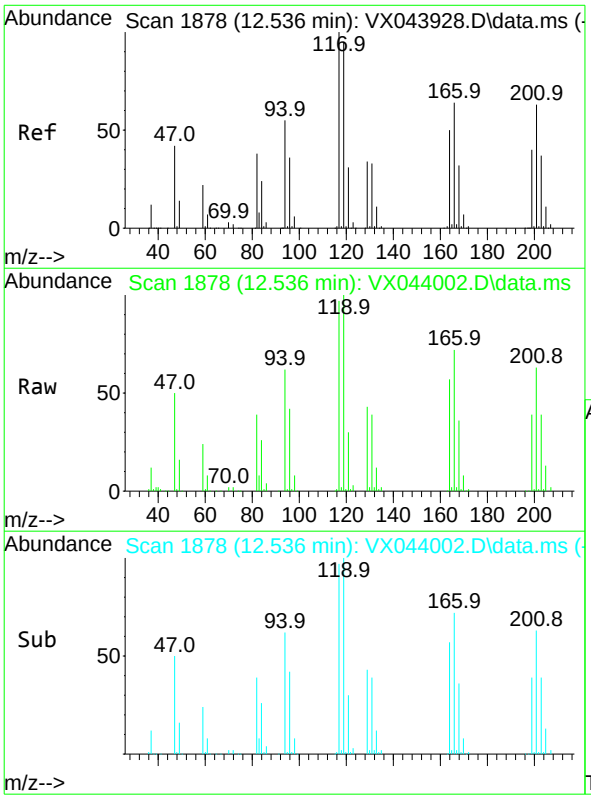
Tgt Ion: 91 Resp: 241187

Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.6	79.8
134	24.8	12.4	37.2

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Supervised By :Semsettin Yesilyurt 11/26/2024

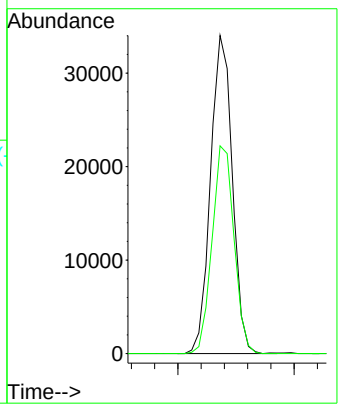


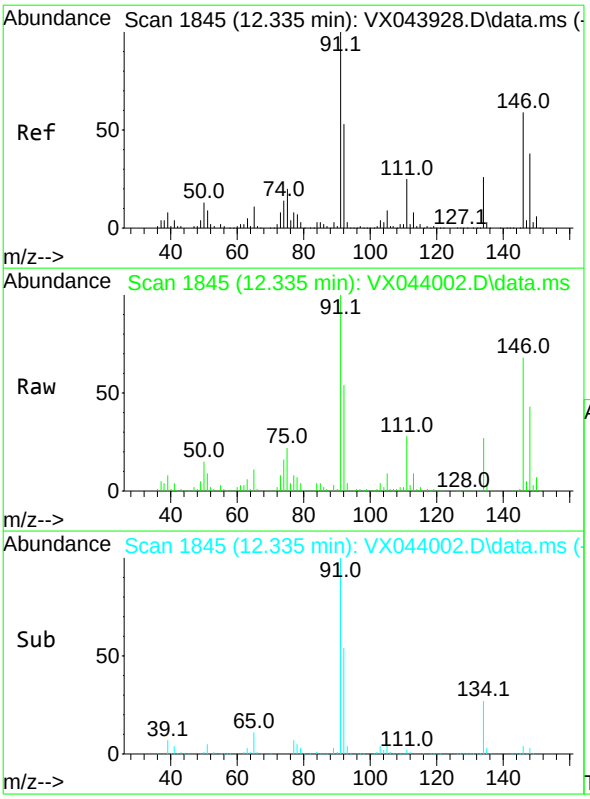


#90
Hexachloroethane
Concen: 45.341 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:117 Resp: 44297

Ion	Ratio	Lower	Upper
117	100		
201	65.9	32.4	97.0





#91
1,2-Dichlorobenzene
Concen: 47.496 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

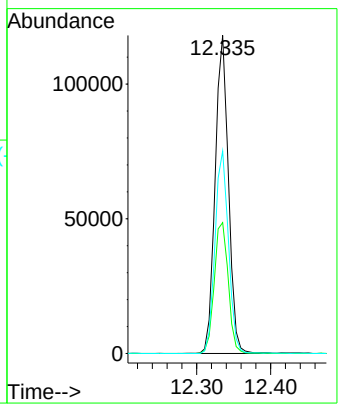
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

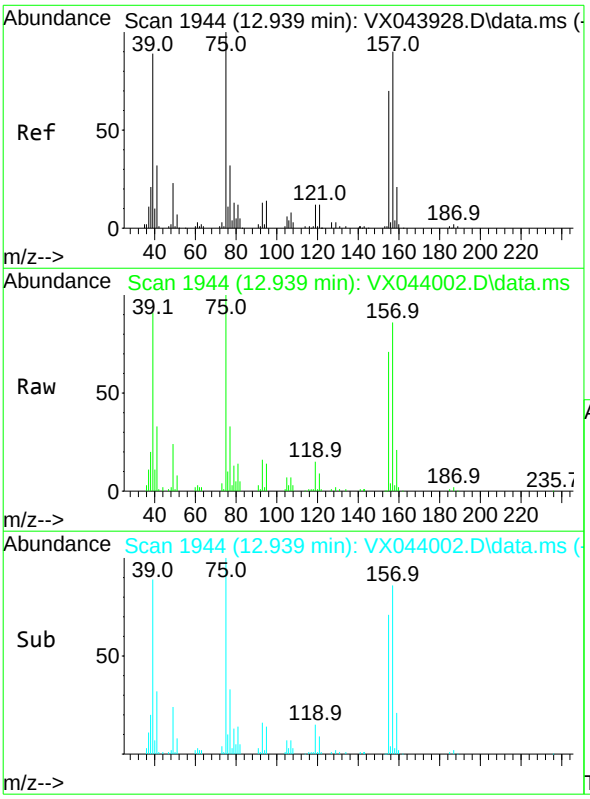
Tgt Ion:146 Resp: 147432

Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.5	64.5
148	64.6	31.9	95.5

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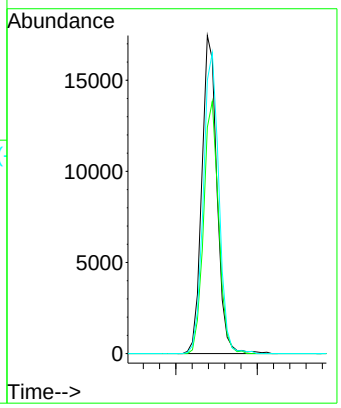


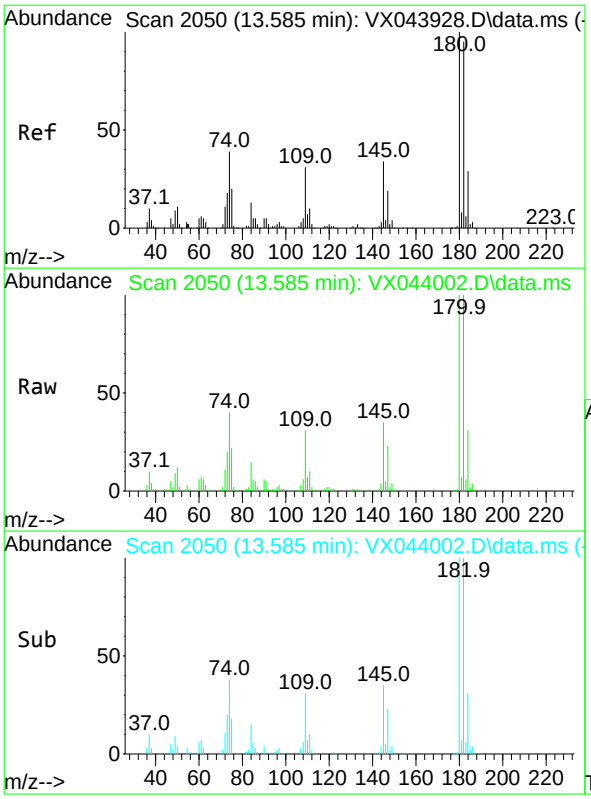


#92
1,2-Dibromo-3-Chloropropane
Concen: 46.434 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 75 Resp: 22554

Ion	Ratio	Lower	Upper
75	100		
155	78.3	40.1	120.2
157	97.0	49.6	149.0





#93
1,2,4-Trichlorobenzene
Concen: 45.372 ug/l
RT: 13.585 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

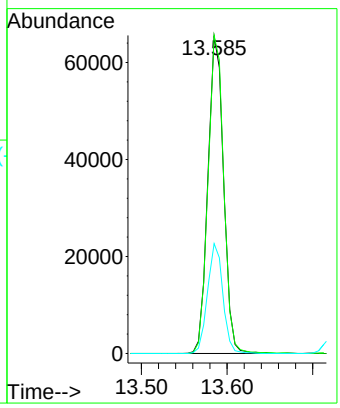
Tgt Ion:180 Resp: 83033

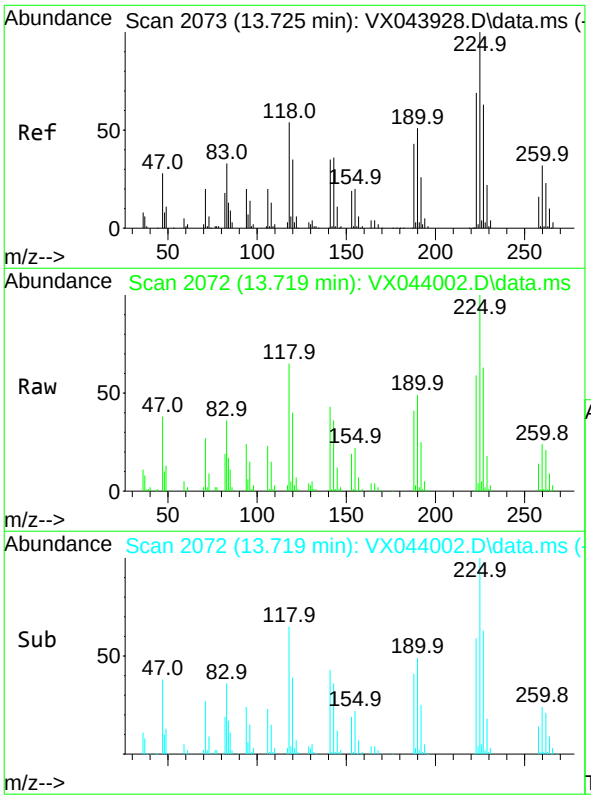
Ion	Ratio	Lower	Upper
180	100		
182	100.3	48.0	144.2
145	34.0	16.8	50.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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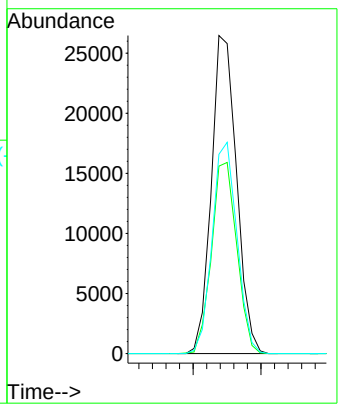


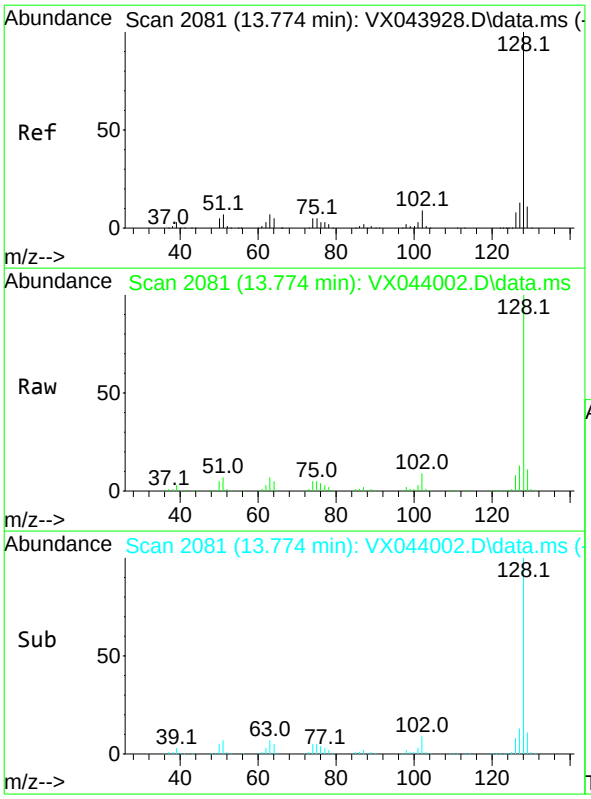


#94
Hexachlorobutadiene
Concen: 47.196 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:225 Resp: 34135

Ion	Ratio	Lower	Upper
225	100		
223	60.3	32.9	98.6
227	65.4	31.6	94.8

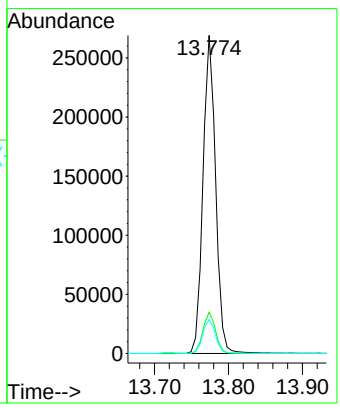




#95
Naphthalene
Concen: 48.261 ug/l
RT: 13.774 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:128 Resp: 317925

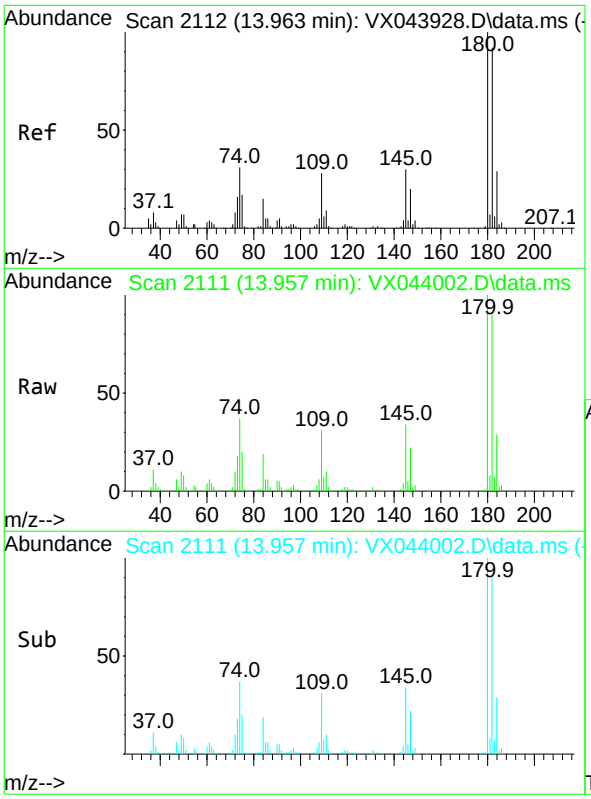
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	10.9	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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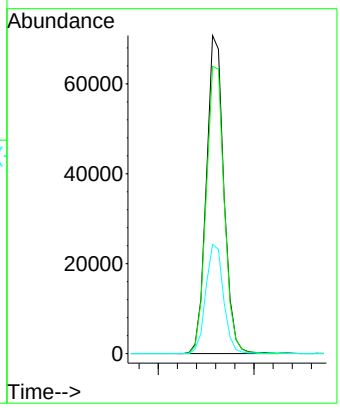
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024



#96
1,2,3-Trichlorobenzene
Concen: 48.432 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:180 Resp: 89710

Ion	Ratio	Lower	Upper
180	100		
182	93.1	45.6	136.8
145	34.8	16.4	49.4



Evaluate Continuing Calibration Report

Sample Results: **VX044002.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX044002.D
Acq On : 25 Nov 2024 21:12
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 26 00:56:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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	92	0.00
2	T	Dichlorodifluoromethane	0.633	0.558	11.8	75	0.00
3	P	Chloromethane	0.667	0.617	7.5	81	0.00
4	C	Vinyl Chloride	0.709	0.635	10.4#	77	0.00
5	T	Bromomethane	0.436	0.412	5.5	85	0.00
6	T	Chloroethane	0.432	0.363	16.0	73	0.00
7	T	Trichlorofluoromethane	1.268	1.302	-2.7	88	0.00
8	T	Diethyl Ether	0.462	0.435	5.8	84	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.605	0.538	11.1	75	0.00
10	T	Methyl Iodide	0.755	0.722	4.4	82	0.00
11	T	Tert butyl alcohol	0.138	0.118	14.5	75	0.01
12	CM	1,1-Dichloroethene	0.576	0.522	9.4#	80	0.00
13	T	Acrolein	0.145	0.128	11.7	81	0.00
14	T	Allyl chloride	0.941	0.872	7.3	77	0.00
15	T	Acrylonitrile	0.335	0.306	8.7	76	0.00
16	T	Acetone	0.394	0.286	27.4#	62	0.00
17	T	Carbon Disulfide	1.188	0.966	18.7	69	0.00
18	T	Methyl Acetate	0.917	0.852	7.1	79	0.00
19	T	Methyl tert-butyl Ether	2.092	2.023	3.3	82	0.00
20	T	Methylene Chloride	0.668	0.613	8.2	84	0.00
21	T	trans-1,2-Dichloroethene	0.595	0.551	7.4	80	0.00
22	T	Diisopropyl ether	2.013	1.953	3.0	83	0.00
23	T	Vinyl Acetate	1.722	1.675	2.7	79	0.00
24	P	1,1-Dichloroethane	1.161	1.123	3.3	82	0.00
25	T	2-Butanone	0.508	0.440	13.4	71	0.00
26	T	2,2-Dichloropropane	1.049	0.887	15.4	71	0.00
27	T	cis-1,2-Dichloroethene	0.735	0.689	6.3	80	0.00
28	T	Bromochloromethane	0.511	0.474	7.2	97	0.00
29	T	Tetrahydrofuran	0.312	0.280	10.3	76	0.00
30	C	Chloroform	1.249	1.211	3.0#	85	0.01
31	T	Cyclohexane	0.956	0.867	9.3	77	0.00
32	T	1,1,1-Trichloroethane	1.077	1.072	0.5	83	0.00
33	S	1,2-Dichloroethane-d4	0.858	0.851	0.8	104	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	96	0.00
35	S	Dibromofluoromethane	0.357	0.350	2.0	102	0.00
36	T	1,1-Dichloropropene	0.445	0.421	5.4	81	0.00
37	T	Ethyl Acetate	0.553	0.489	11.6	77	0.01
38	T	Carbon Tetrachloride	0.500	0.466	6.8	80	0.00
39	T	Methylcyclohexane	0.578	0.500	13.5	73	0.00
40	TM	Benzene	1.387	1.309	5.6	84	0.00
41	T	Methacrylonitrile	0.283	0.259	8.5	75	0.00
42	TM	1,2-Dichloroethane	0.557	0.526	5.6	83	0.00
43	T	Isopropyl Acetate	0.880	0.810	8.0	79	0.00
44	TM	Trichloroethene	0.393	0.324	17.6	83	0.00
45	C	1,2-Dichloropropane	0.340	0.329	3.2#	85	0.00
46	T	Dibromomethane	0.269	0.264	1.9	86	0.00
47	T	Bromodichloromethane	0.482	0.472	2.1	83	0.00
48	T	Methyl methacrylate	0.422	0.389	7.8	80	0.00

Sample Results: **VX044002.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX044002.D
Acq On : 25 Nov 2024 21:12
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 26 00:56:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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	0.008	0.006	25.0	69	0.01
50	S	Toluene-d8	1.232	1.189	3.5	103	0.00
51	T	4-Methyl-2-Pentanone	0.537	0.500	6.9	79	0.00
52	CM	Toluene	0.830	0.798	3.9#	83	0.00
53	T	t-1,3-Dichloropropene	0.491	0.463	5.7	78	0.00
54	T	cis-1,3-Dichloropropene	0.539	0.504	6.5	79	0.00
55	T	1,1,2-Trichloroethane	0.343	0.319	7.0	82	0.00
56	T	Ethyl methacrylate	0.534	0.520	2.6	81	0.00
57	T	1,3-Dichloropropane	0.577	0.547	5.2	84	0.00
58	T	2-Chloroethyl Vinyl ether	0.273	0.267	2.2	83	0.00
59	T	2-Hexanone	0.403	0.368	8.7	75	0.00
60	T	Dibromochloromethane	0.344	0.328	4.7	79	0.00
61	T	1,2-Dibromoethane	0.346	0.336	2.9	83	0.00
62	S	4-Bromofluorobenzene	0.419	0.404	3.6	100	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	92	0.00
64	T	Tetrachloroethene	0.330	0.314	4.8	82	0.00
65	PM	Chlorobenzene	1.098	1.020	7.1	82	0.00
66	T	1,1,1,2-Tetrachloroethane	0.356	0.352	1.1	82	0.00
67	C	Ethyl Benzene	1.861	1.805	3.0#	82	0.00
68	T	m/p-Xylenes	0.694	0.668	3.7	80	0.00
69	T	o-Xylene	0.678	0.671	1.0	81	0.00
70	T	Styrene	1.121	1.108	1.2	80	0.00
71	P	Bromoform	0.240	0.233	2.9	75	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	92	0.00
73	T	Isopropylbenzene	3.843	3.677	4.3	82	0.00
74	T	N-amyl acetate	1.780	1.762	1.0	81	0.00
75	P	1,1,2,2-Tetrachloroethane	1.316	1.241	5.7	82	0.00
76	T	1,2,3-Trichloropropane	1.096	1.005	8.3	78	0.00
77	T	Bromobenzene	0.917	0.862	6.0	81	0.00
78	T	n-propylbenzene	4.293	4.073	5.1	79	0.00
79	T	2-Chlorotoluene	2.714	2.502	7.8	80	0.00
80	T	1,3,5-Trimethylbenzene	3.162	3.068	3.0	82	0.00
81	T	trans-1,4-Dichloro-2-butene	0.402	0.341	15.2	71	0.00
82	T	4-Chlorotoluene	3.064	2.893	5.6	80	0.00
83	T	tert-Butylbenzene	3.134	3.038	3.1	81	0.00
84	T	1,2,4-Trimethylbenzene	3.148	3.061	2.8	82	0.00
85	T	sec-Butylbenzene	3.840	3.658	4.7	79	0.00
86	T	p-Isopropyltoluene	3.119	3.063	1.8	80	0.00
87	T	1,3-Dichlorobenzene	1.670	1.564	6.3	81	0.00
88	T	1,4-Dichlorobenzene	1.702	1.565	8.0	81	0.00
89	T	n-Butylbenzene	2.750	2.619	4.8	76	0.00
90	T	Hexachloroethane	0.530	0.481	9.2	75	0.00
91	T	1,2-Dichlorobenzene	1.685	1.601	5.0	83	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.264	0.245	7.2	79	0.00
93	T	1,2,4-Trichlorobenzene	0.994	0.902	9.3	76	0.00
94	T	Hexachlorobutadiene	0.393	0.371	5.6	83	0.00
95	T	Naphthalene	3.576	3.452	3.5	79	0.00

Sample Results: **VX044002.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX044002.D
Acq On : 25 Nov 2024 21:12
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 26 00:56:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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	1.006	0.974	3.2	80	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VX044002.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX044002.D
Acq On : 25 Nov 2024 21:12
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 26 00:56:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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	92	0.00
2	T	Dichlorodifluoromethane	50.000	44.038	11.9	75	0.00
3	P	Chloromethane	50.000	46.313	7.4	81	0.00
4	C	Vinyl Chloride	50.000	44.790	10.4#	77	0.00
5	T	Bromomethane	50.000	47.193	5.6	85	0.00
6	T	Chloroethane	50.000	42.008	16.0	73	0.00
7	T	Trichlorofluoromethane	50.000	51.343	-2.7	88	0.00
8	T	Diethyl Ether	50.000	47.026	5.9	84	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	44.482	11.0	75	0.00
10	T	Methyl Iodide	50.000	47.774	4.5	82	0.00
11	T	Tert butyl alcohol	250.000	214.153	14.3	75	0.01
12	CM	1,1-Dichloroethene	50.000	45.277	9.4#	80	0.00
13	T	Acrolein	250.000	220.005	12.0	81	0.00
14	T	Allyl chloride	50.000	46.334	7.3	77	0.00
15	T	Acrylonitrile	250.000	227.931	8.8	76	0.00
16	T	Acetone	250.000	181.348	27.5#	62	0.00
17	T	Carbon Disulfide	50.000	40.633	18.7	69	0.00
18	T	Methyl Acetate	50.000	46.459	7.1	79	0.00
19	T	Methyl tert-butyl Ether	50.000	48.344	3.3	82	0.00
20	T	Methylene Chloride	50.000	45.823	8.4	84	0.00
21	T	trans-1,2-Dichloroethene	50.000	46.341	7.3	80	0.00
22	T	Diisopropyl ether	50.000	48.501	3.0	83	0.00
23	T	Vinyl Acetate	250.000	243.229	2.7	79	0.00
24	P	1,1-Dichloroethane	50.000	48.335	3.3	82	0.00
25	T	2-Butanone	250.000	216.431	13.4	71	0.00
26	T	2,2-Dichloropropane	50.000	42.282	15.4	71	0.00
27	T	cis-1,2-Dichloroethene	50.000	46.860	6.3	80	0.00
28	T	Bromochloromethane	50.000	46.403	7.2	97	0.00
29	T	Tetrahydrofuran	250.000	224.316	10.3	76	0.00
30	C	Chloroform	50.000	48.472	3.1#	85	0.01
31	T	Cyclohexane	50.000	45.330	9.3	77	0.00
32	T	1,1,1-Trichloroethane	50.000	49.746	0.5	83	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.603	0.8	104	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	96	0.00
35	S	Dibromofluoromethane	50.000	49.008	2.0	102	0.00
36	T	1,1-Dichloropropene	50.000	47.258	5.5	81	0.00
37	T	Ethyl Acetate	50.000	44.263	11.5	77	0.01
38	T	Carbon Tetrachloride	50.000	46.611	6.8	80	0.00
39	T	Methylcyclohexane	50.000	43.198	13.6	73	0.00
40	TM	Benzene	50.000	47.188	5.6	84	0.00
41	T	Methacrylonitrile	50.000	45.746	8.5	75	0.00
42	TM	1,2-Dichloroethane	50.000	47.224	5.6	83	0.00
43	T	Isopropyl Acetate	50.000	46.041	7.9	79	0.00
44	TM	Trichloroethene	50.000	41.321	17.4	83	0.00
45	C	1,2-Dichloropropane	50.000	48.403	3.2#	85	0.00
46	T	Dibromomethane	50.000	49.045	1.9	86	0.00
47	T	Bromodichloromethane	50.000	48.953	2.1	83	0.00
48	T	Methyl methacrylate	50.000	46.134	7.7	80	0.00

Sample Results: **VX044002.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX044002.D
Acq On : 25 Nov 2024 21:12
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 26 00:56:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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	777.017	22.3	69	0.01
50	S	Toluene-d8	50.000	48.276	3.4	103	0.00
51	T	4-Methyl-2-Pentanone	250.000	232.731	6.9	79	0.00
52	CM	Toluene	50.000	48.090	3.8#	83	0.00
53	T	t-1,3-Dichloropropene	50.000	47.064	5.9	78	0.00
54	T	cis-1,3-Dichloropropene	50.000	46.816	6.4	79	0.00
55	T	1,1,2-Trichloroethane	50.000	46.565	6.9	82	0.00
56	T	Ethyl methacrylate	50.000	48.673	2.7	81	0.00
57	T	1,3-Dichloropropane	50.000	47.362	5.3	84	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	227.585	9.0	83	0.00
59	T	2-Hexanone	250.000	228.307	8.7	75	0.00
60	T	Dibromochloromethane	50.000	47.648	4.7	79	0.00
61	T	1,2-Dibromoethane	50.000	48.453	3.1	83	0.00
62	S	4-Bromofluorobenzene	50.000	48.195	3.6	100	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	92	0.00
64	T	Tetrachloroethene	50.000	47.689	4.6	82	0.00
65	PM	Chlorobenzene	50.000	46.431	7.1	82	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.406	1.2	82	0.00
67	C	Ethyl Benzene	50.000	48.488	3.0#	82	0.00
68	T	m/p-Xylenes	100.000	96.253	3.7	80	0.00
69	T	o-Xylene	50.000	49.529	0.9	81	0.00
70	T	Styrene	50.000	49.457	1.1	80	0.00
71	P	Bromoform	50.000	43.484	13.0	75	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	92	0.00
73	T	Isopropylbenzene	50.000	47.838	4.3	82	0.00
74	T	N-amyl acetate	50.000	49.487	1.0	81	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	47.162	5.7	82	0.00
76	T	1,2,3-Trichloropropane	50.000	45.843	8.3	78	0.00
77	T	Bromobenzene	50.000	47.012	6.0	81	0.00
78	T	n-propylbenzene	50.000	47.443	5.1	79	0.00
79	T	2-Chlorotoluene	50.000	46.093	7.8	80	0.00
80	T	1,3,5-Trimethylbenzene	50.000	48.515	3.0	82	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	42.379	15.2	71	0.00
82	T	4-Chlorotoluene	50.000	47.210	5.6	80	0.00
83	T	tert-Butylbenzene	50.000	48.465	3.1	81	0.00
84	T	1,2,4-Trimethylbenzene	50.000	48.618	2.8	82	0.00
85	T	sec-Butylbenzene	50.000	47.629	4.7	79	0.00
86	T	p-Isopropyltoluene	50.000	49.100	1.8	80	0.00
87	T	1,3-Dichlorobenzene	50.000	46.833	6.3	81	0.00
88	T	1,4-Dichlorobenzene	50.000	45.963	8.1	81	0.00
89	T	n-Butylbenzene	50.000	47.613	4.8	76	0.00
90	T	Hexachloroethane	50.000	45.341	9.3	75	0.00
91	T	1,2-Dichlorobenzene	50.000	47.496	5.0	83	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	46.434	7.1	79	0.00
93	T	1,2,4-Trichlorobenzene	50.000	45.372	9.3	76	0.00
94	T	Hexachlorobutadiene	50.000	47.196	5.6	83	0.00
95	T	Naphthalene	50.000	48.261	3.5	79	0.00

Sample Results: **VX044002.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX044002.D
Acq On : 25 Nov 2024 21:12
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 26 00:56:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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	48.432	3.1	80	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

QC SAMPLE DATA

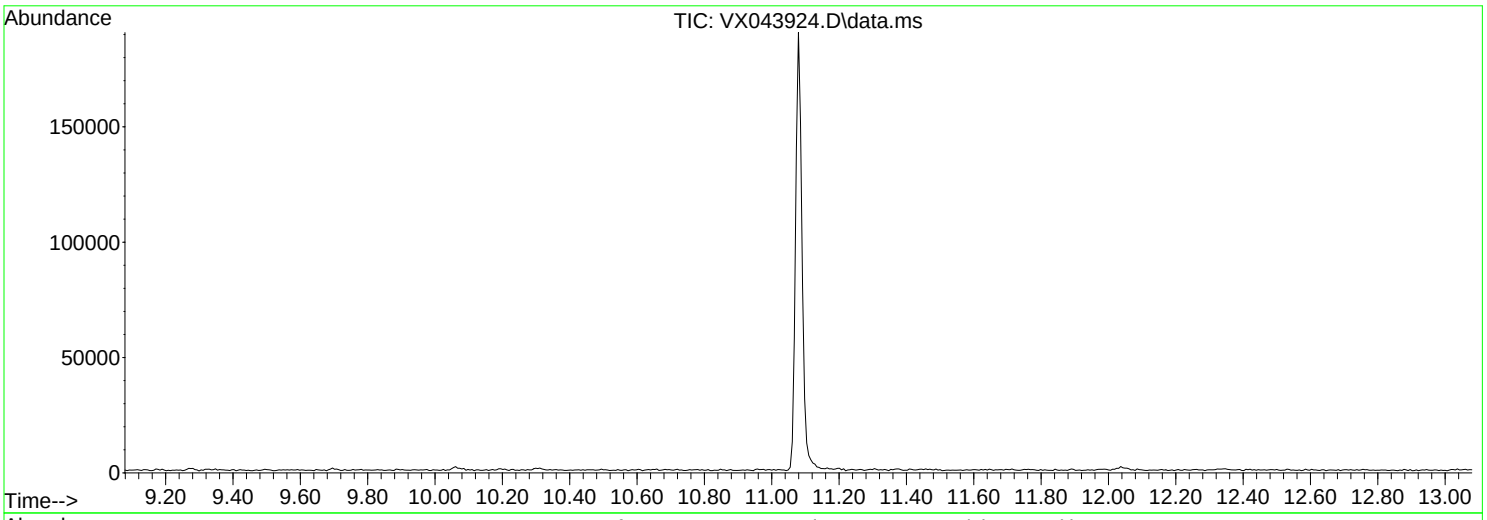
Sample Results: **VX043924.D**

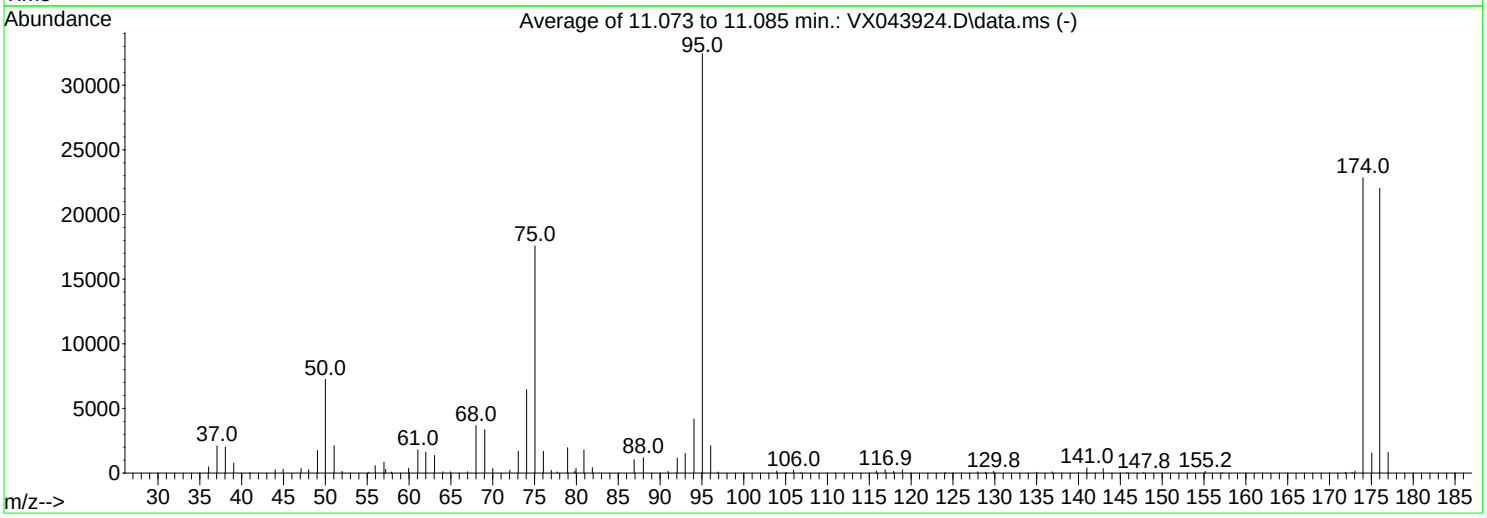
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043924.D
Acq On : 21 Nov 2024 08:51
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Title : SW846 8260
Last Update : Fri Nov 22 00:18:05 2024





AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.4	7254	PASS
75	95	30	60	54.2	17573	PASS
95	95	100	100	100.0	32437	PASS
96	95	5	9	6.5	2112	PASS
173	174	0.00	2	0.7	162	PASS
174	95	50	100	70.5	22853	PASS
175	174	5	9	6.8	1557	PASS
176	174	95	101	96.4	22030	PASS
177	176	5	9	7.3	1600	PASS

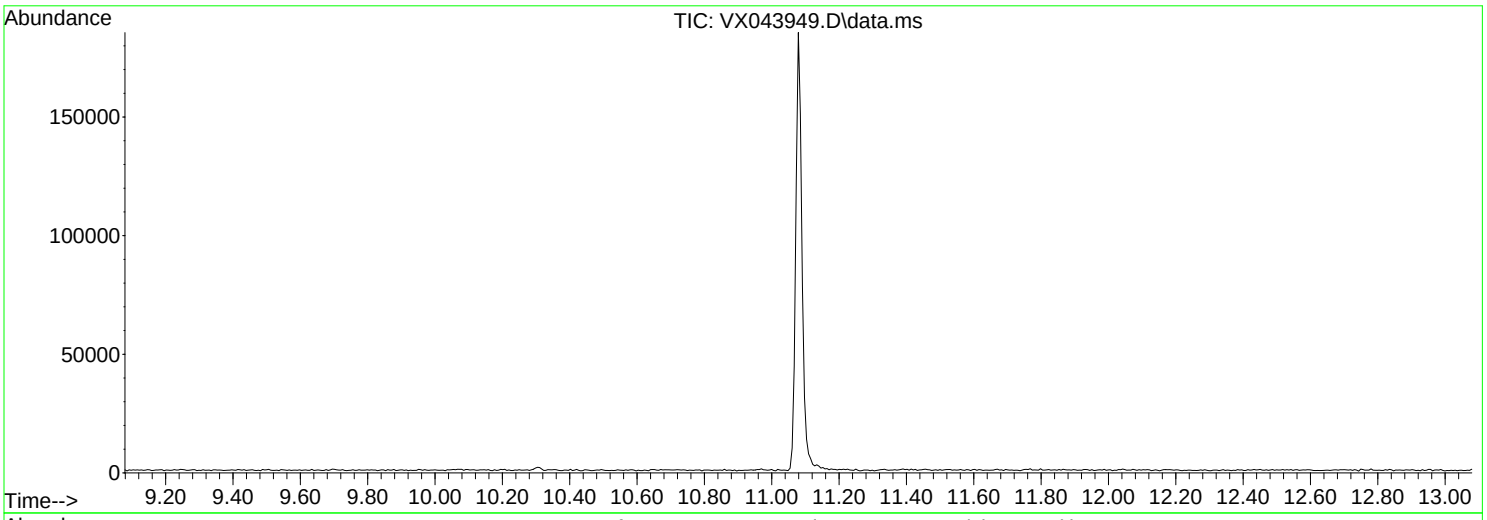
Sample Results: **VX043949.D**

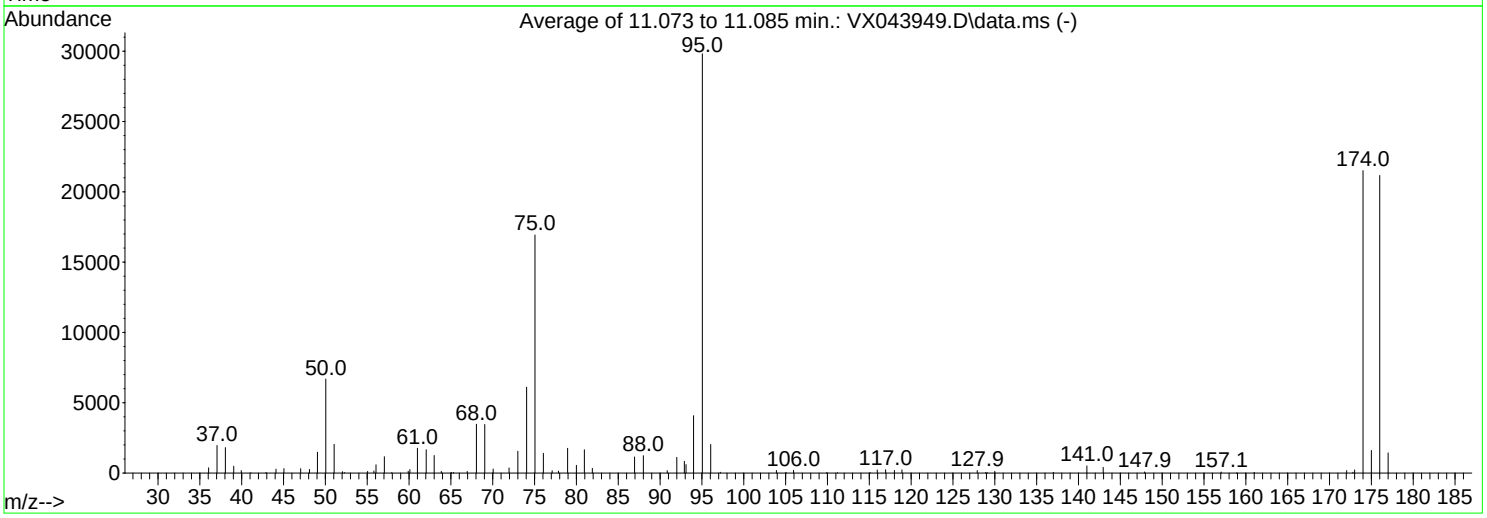
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043949.D
Acq On : 22 Nov 2024 10:54
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Title : SW846 8260
Last Update : Fri Nov 22 03:45:52 2024





AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.4	6686	PASS
75	95	30	60	56.8	16932	PASS
95	95	100	100	100.0	29819	PASS
96	95	5	9	6.8	2035	PASS
173	174	0.00	2	1.0	222	PASS
174	95	50	100	72.1	21506	PASS
175	174	5	9	7.5	1609	PASS
176	174	95	101	98.4	21161	PASS
177	176	5	9	6.8	1436	PASS

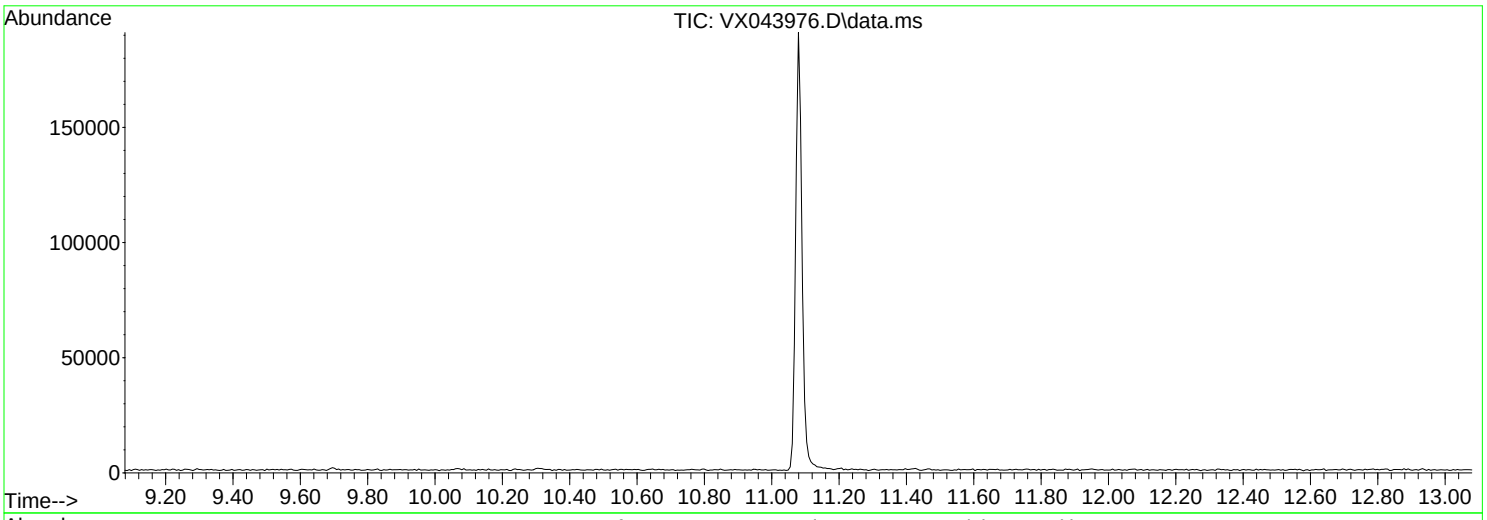
Sample Results: **VX043976.D**

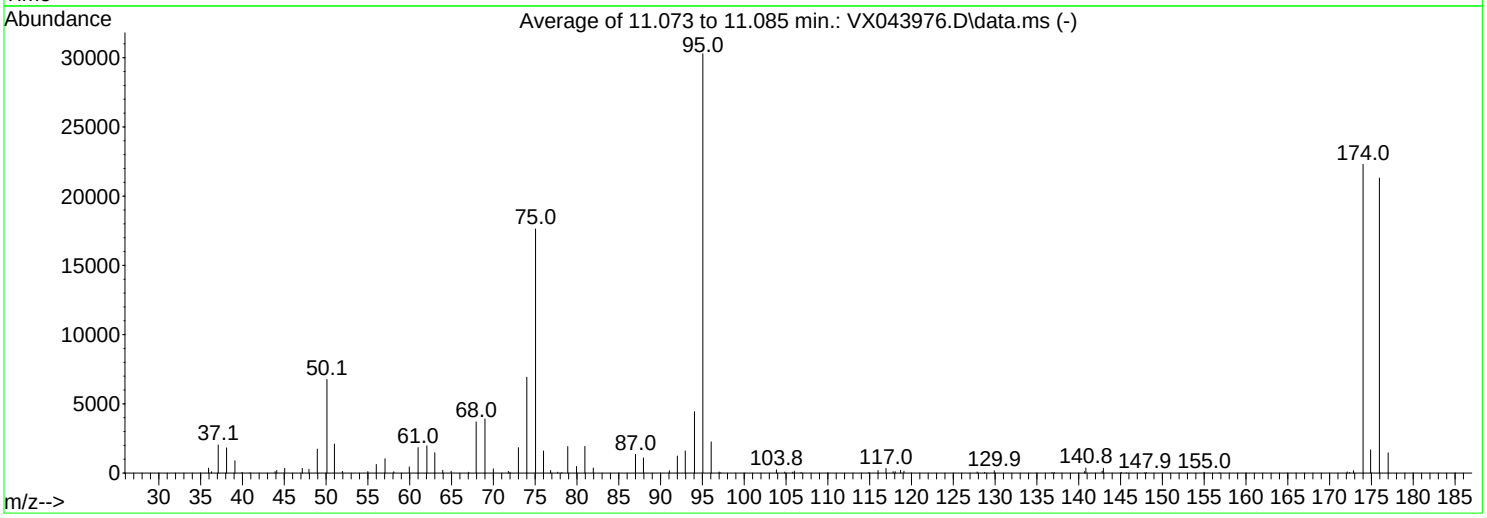
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043976.D
Acq On : 25 Nov 2024 10:59
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Title : SW846 8260
Last Update : Fri Nov 22 03:45:52 2024





AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.3	6761	PASS
75	95	30	60	58.2	17633	PASS
95	95	100	100	100.0	30288	PASS
96	95	5	9	7.5	2258	PASS
173	174	0.00	2	0.8	174	PASS
174	95	50	100	73.6	22298	PASS
175	174	5	9	7.5	1678	PASS
176	174	95	101	95.6	21315	PASS
177	176	5	9	6.9	1462	PASS

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VX1122WBL01	SDG No.:	P4846
Lab Sample ID:	VX1122WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043952.D	1		11/22/24 12:13	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VX1122WBL01	SDG No.:	P4846
Lab Sample ID:	VX1122WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043952.D	1		11/22/24 12:13	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.7		81 - 118		101%	SPK: 50
1868-53-7	Dibromofluoromethane	46.6		80 - 119		93%	SPK: 50
2037-26-5	Toluene-d8	48.7		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.9		85 - 114		96%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	114000	5.544				
540-36-3	1,4-Difluorobenzene	224000	6.757				
3114-55-4	Chlorobenzene-d5	193000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	79800	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							

Raw Data: **VX043952.D**

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VX1122WBL01	SDG No.:	P4846
Lab Sample ID:	VX1122WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043952.D	1		11/22/24 12:13	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
	unknown1.575	5.10	J			1.57	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\VX112224\
Data File : VX043952.D
Acq On : 22 Nov 2024 12:13
Operator : JC/MD
Sample : VX1122WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBL01

Quant Time: Nov 22 22:19:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

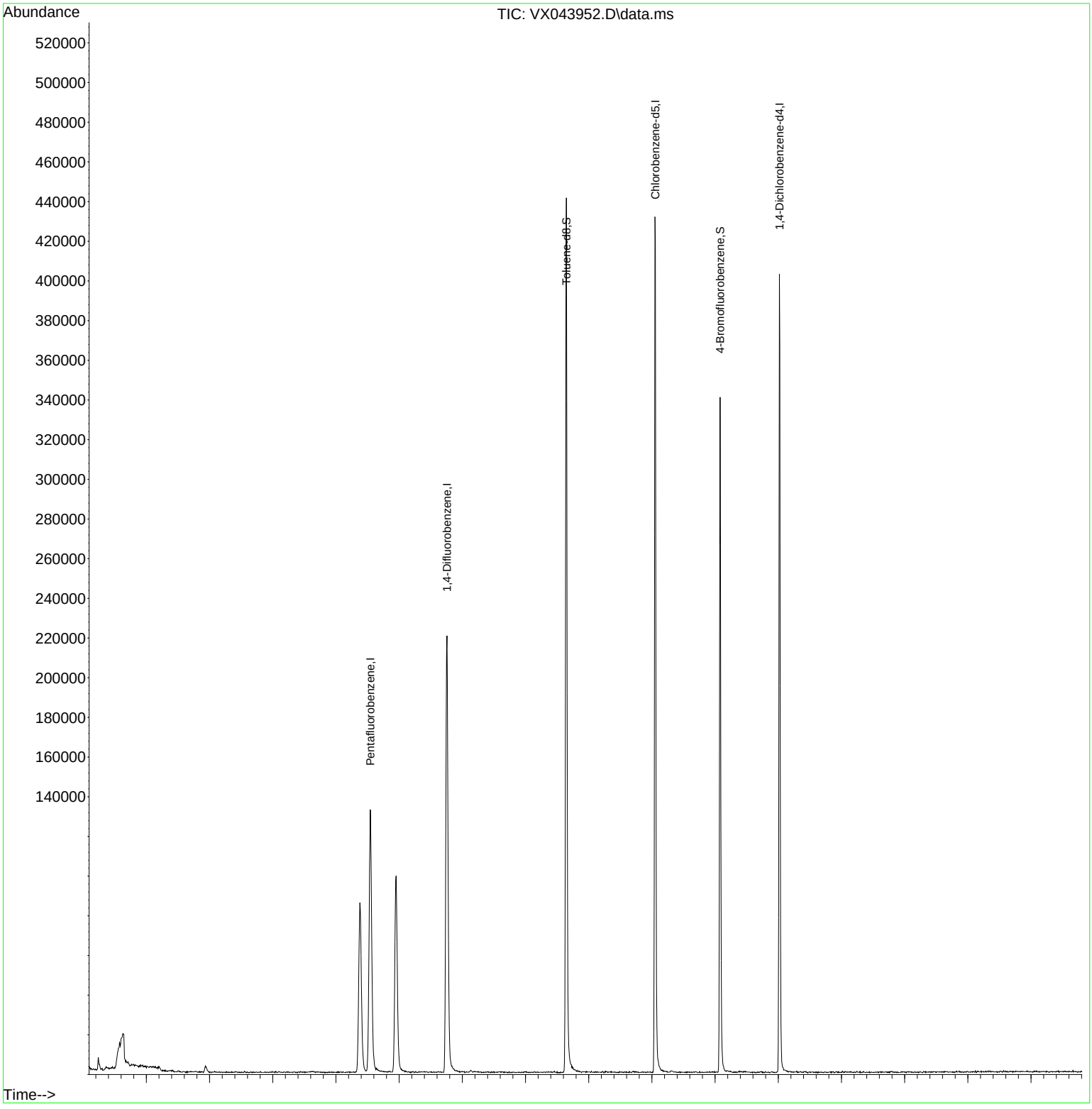
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	114313	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	223688	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	192949	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	79805	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	99473	50.734	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.460%			
35) Dibromofluoromethane	5.379	113	74511	46.617	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.240%			
50) Toluene-d8	8.647	98	268134	48.666	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.340%			
62) 4-Bromofluorobenzene	11.079	95	89774	47.877	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.760%			
Target Compounds						Qvalue

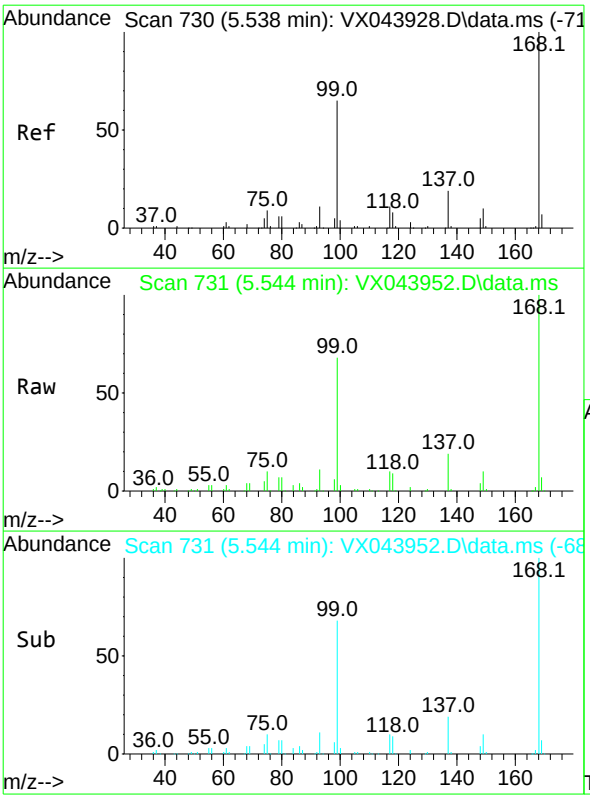
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043952.D
Acq On : 22 Nov 2024 12:13
Operator : JC/MD
Sample : VX1122WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBL01

Quant Time: Nov 22 22:19:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



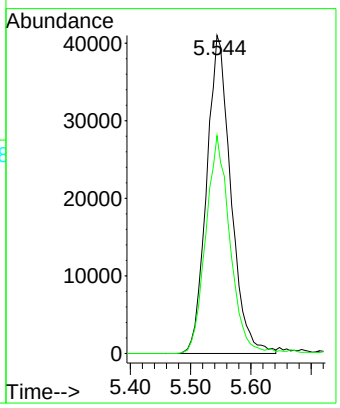


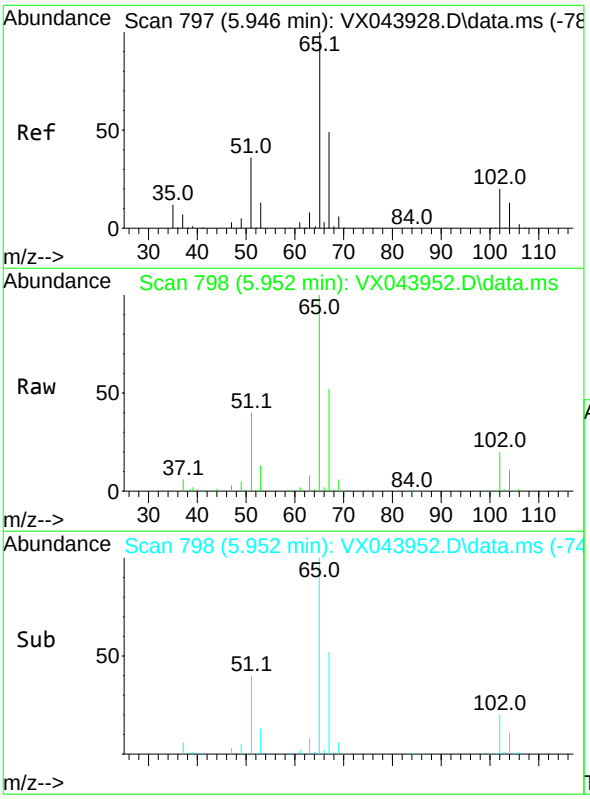
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. 0.006 min
Lab File: VX043952.D
Acq: 22 Nov 2024 12:13

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBL01

Tgt Ion:168 Resp: 114313

Ion	Ratio	Lower	Upper
168	100		
99	68.5	51.8	77.8

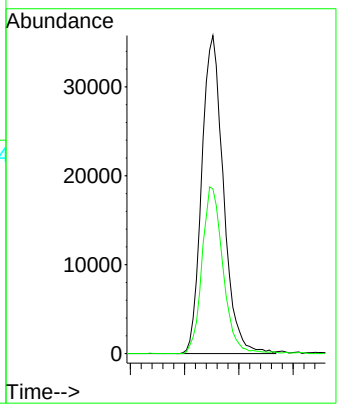


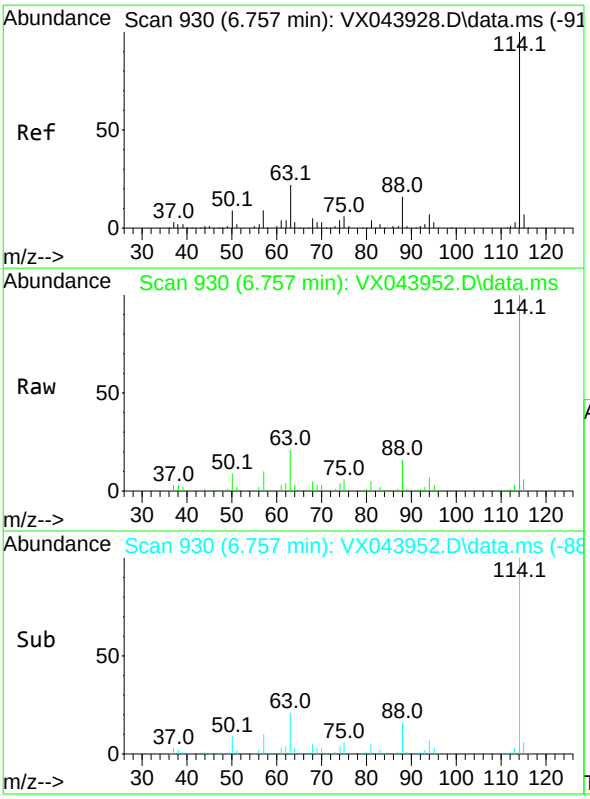


#33
1,2-Dichloroethane-d4
Concen: 50.734 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX043952.D
Acq: 22 Nov 2024 12:13

Tgt Ion: 65 Resp: 99473

Ion	Ratio	Lower	Upper
65	100		
67	50.4	0.0	100.8



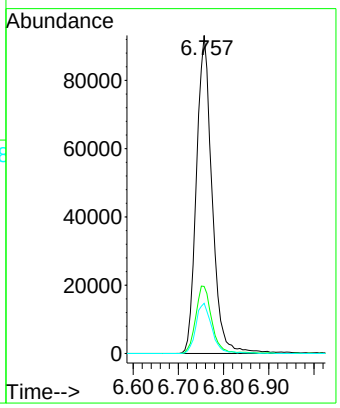


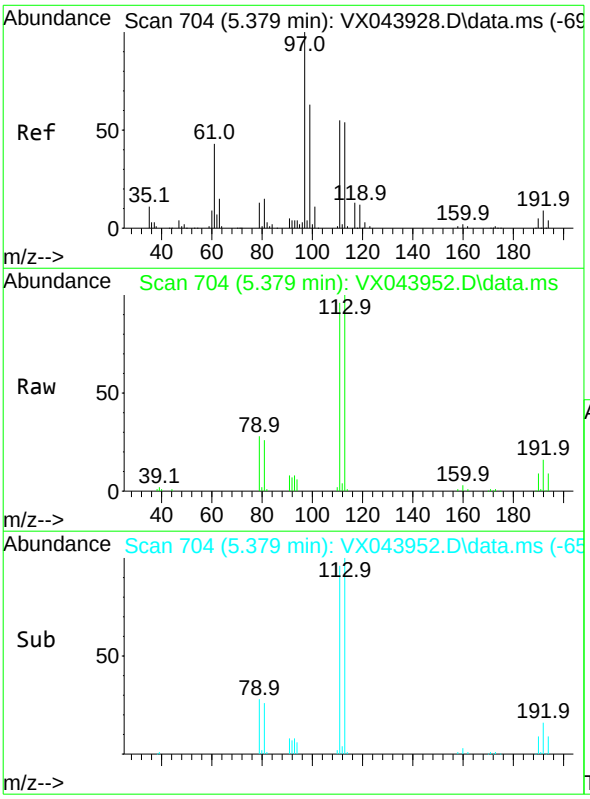
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. -0.000 min
Lab File: VX043952.D
Acq: 22 Nov 2024 12:13

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBL01

Tgt Ion:114 Resp: 223688

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	44.0
88	15.8	0.0	32.4

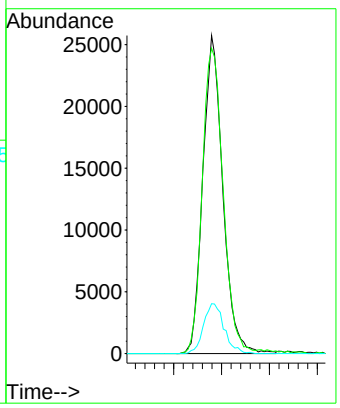


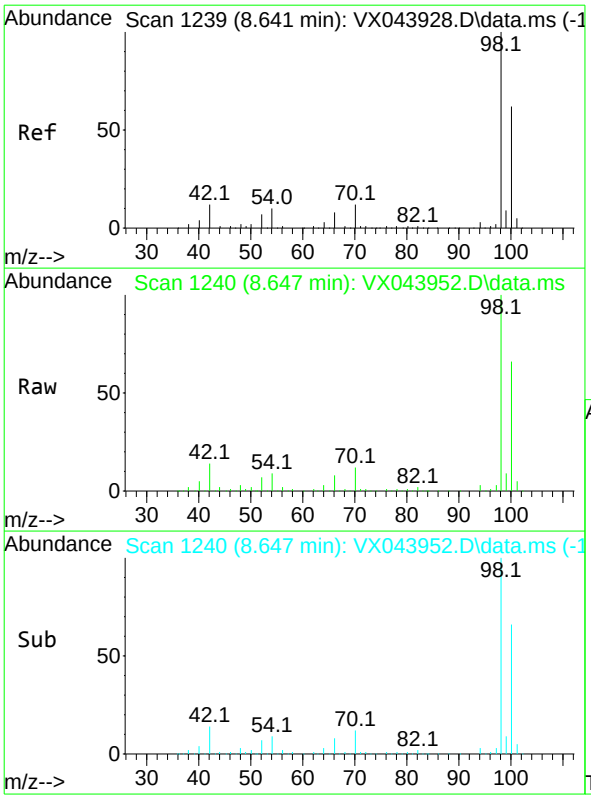


#35
Dibromofluoromethane
Concen: 46.617 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX043952.D
Acq: 22 Nov 2024 12:13

Tgt Ion:113 Resp: 74511

Ion	Ratio	Lower	Upper
113	100		
111	100.3	81.0	121.4
192	16.2	13.0	19.6



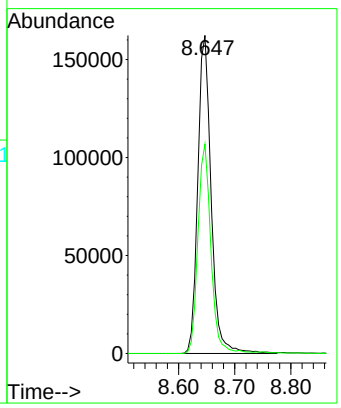


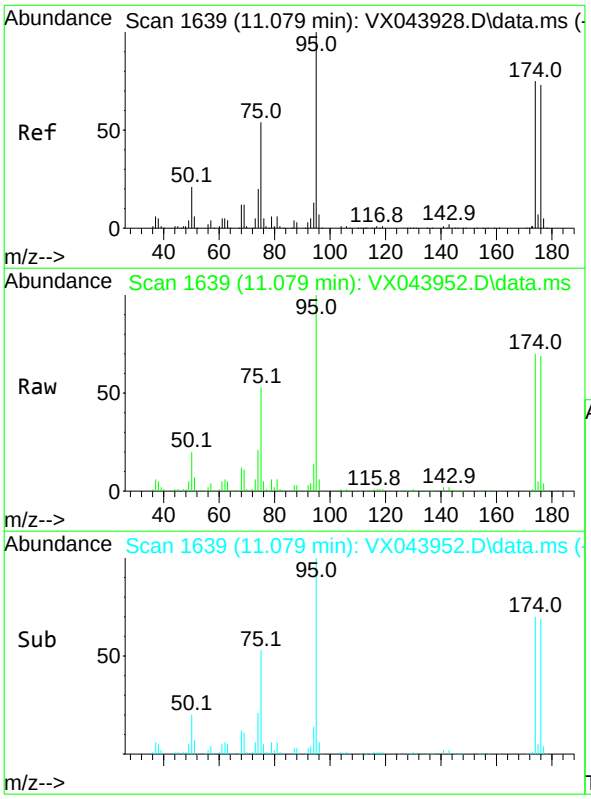
#50
Toluene-d8
Concen: 48.666 ug/l
RT: 8.647 min Scan# 12
Delta R.T. 0.006 min
Lab File: VX043952.D
Acq: 22 Nov 2024 12:13

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBL01

Tgt Ion: 98 Resp: 268134

Ion	Ratio	Lower	Upper
98	100		
100	63.9	52.6	79.0

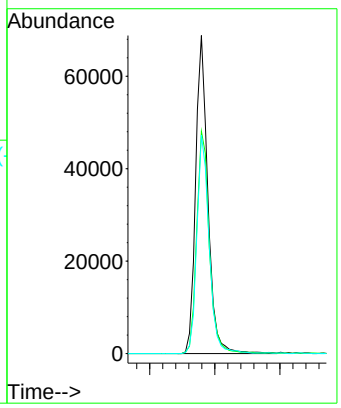


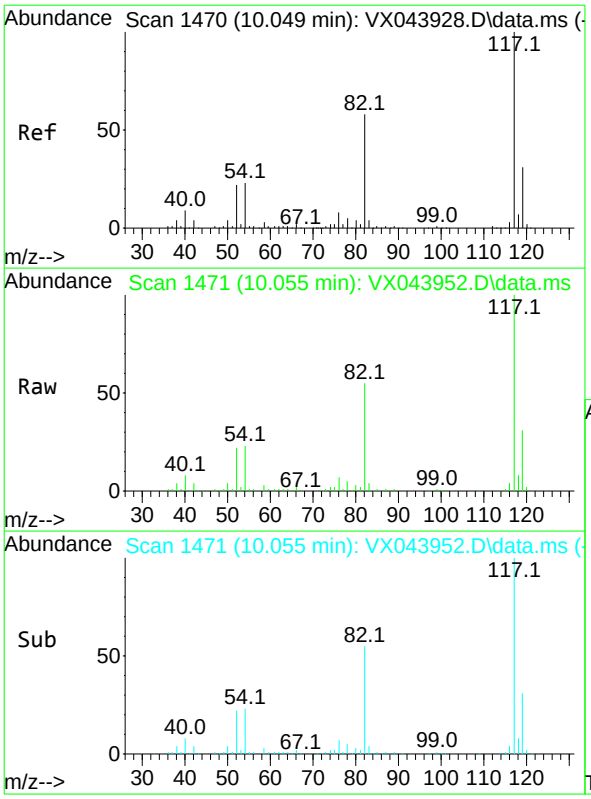


#62
4-Bromofluorobenzene
Concen: 47.877 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043952.D
Acq: 22 Nov 2024 12:13

Tgt Ion: 95 Resp: 89774

Ion	Ratio	Lower	Upper
95	100		
174	72.3	0.0	150.4
176	68.7	0.0	146.0



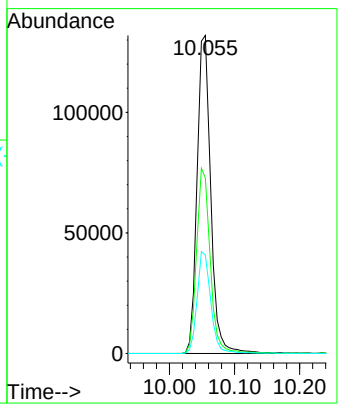


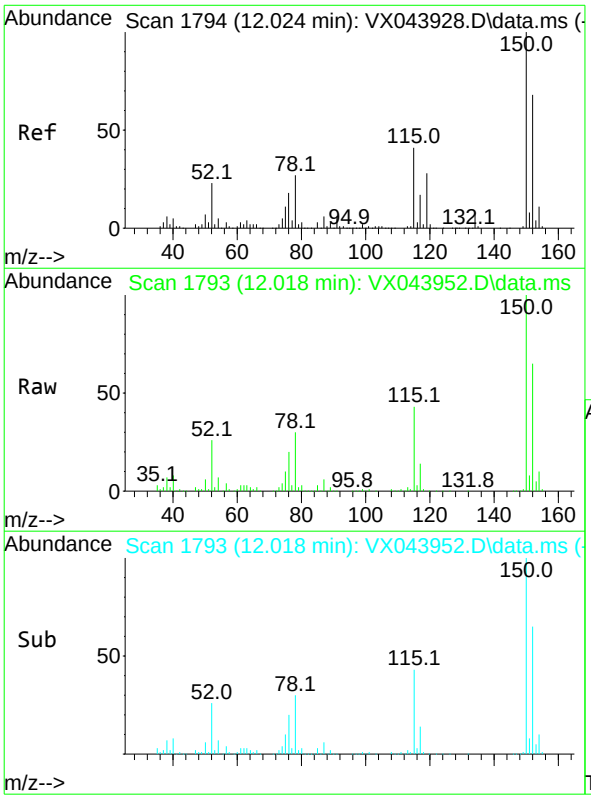
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043952.D
Acq: 22 Nov 2024 12:13

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBL01

Tgt Ion:117 Resp: 192949

Ion	Ratio	Lower	Upper
117	100		
82	55.2	46.4	69.6
119	30.9	24.6	37.0

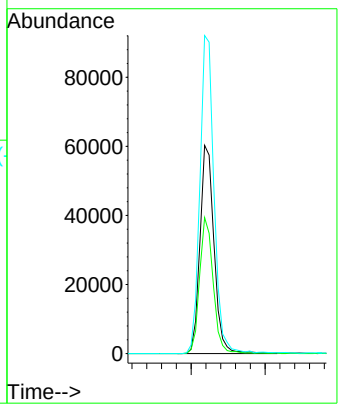




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043952.D
Acq: 22 Nov 2024 12:13

Tgt Ion:152 Resp: 79805

Ion	Ratio	Lower	Upper
152	100		
115	63.1	45.4	136.2
150	153.0	0.0	353.0



Sample Results: **VX043952.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043952.D
Acq On : 22 Nov 2024 12:13
Operator : JC/MD
Sample : VX1122WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBL01

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\82X112124W.M
Title : SW846 8260

Signal : TIC: VX043952.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.240	21	25	32	rBV2	6426	9591	1.30%	0.249%
2	1.575	68	80	82	rBV5	12994	37633	5.12%	0.978%
3	1.630	82	89	90	rVV7	6335	13526	1.84%	0.351%
4	2.934	298	303	312	rBV5	3365	7995	1.09%	0.208%
5	5.379	693	704	720	rBV	85484	251825	34.24%	6.541%
6	5.544	720	731	745	rBV	131765	372015	50.59%	9.663%
7	5.952	788	798	814	rBV	98932	272636	37.07%	7.082%
8	6.757	921	930	947	rBV	220196	542645	73.79%	14.095%
9	8.647	1232	1240	1256	rBV	440874	735413	100.00%	19.102%
10	10.049	1465	1470	1486	rBV	431158	631770	85.91%	16.410%
11	11.079	1633	1639	1653	rBV	340236	450230	61.22%	11.695%
12	12.018	1788	1793	1804	rBV	402125	524551	71.33%	13.625%

Sum of corrected areas: 3849830

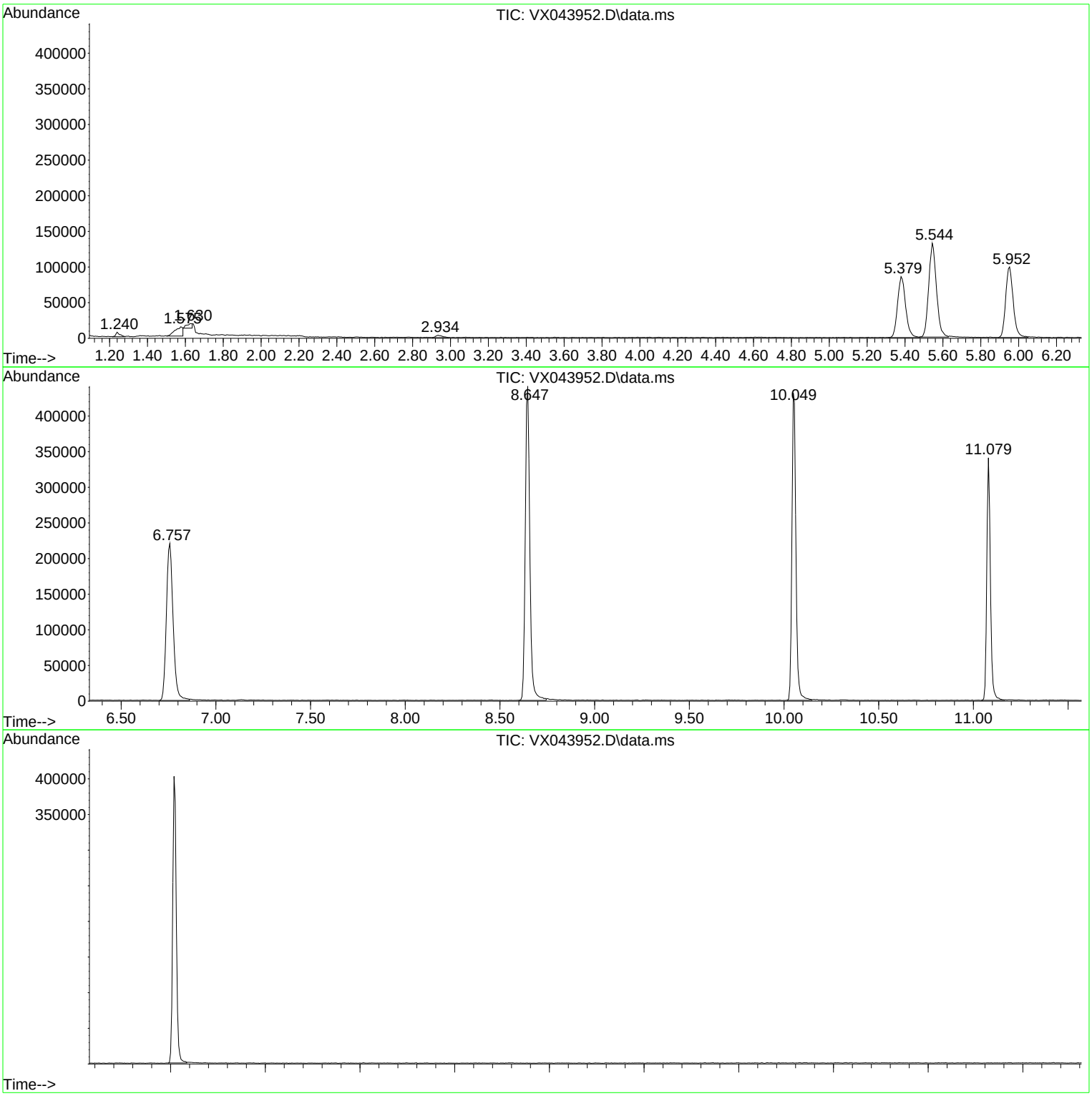
Sample Results: **VX043952.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043952.D
Acq On : 22 Nov 2024 12:13
Operator : JC/MD
Sample : VX1122WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043952.D
Acq On : 22 Nov 2024 12:13
Operator : JC/MD
Sample : VX1122WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBL01

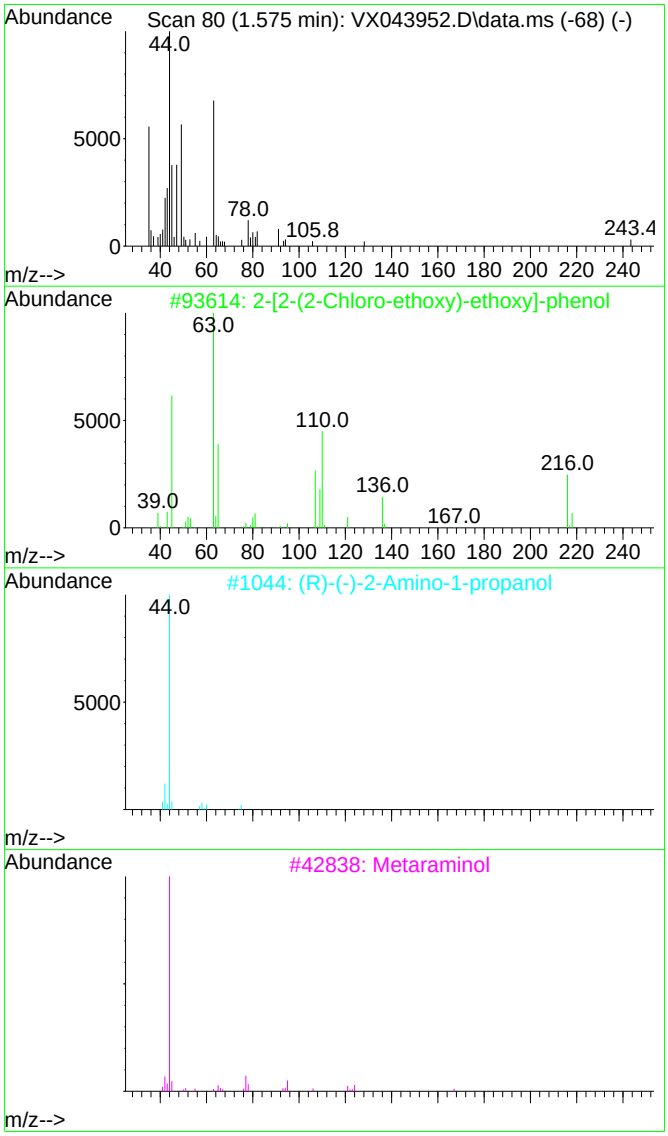
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

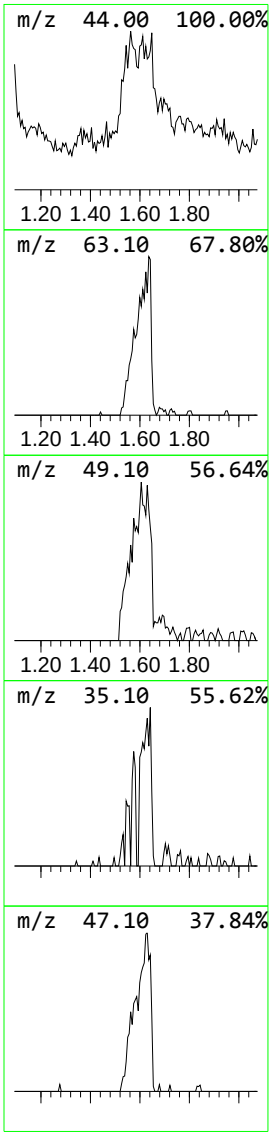
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 unknown1.575 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.575	5.06 ug/l	37633	Pentafluorobenzene	5.544

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-[2-(2-Chloro-ethoxy)-ethoxy]-p...	216	C10H13ClO3	1000317-46-1	10
2	(R)-(-)-2-Amino-1-propanol	75	C3H9NO	035320-23-1	9
3	Metaraminol	167	C9H13NO2	000054-49-9	9
4	acetic acid, 2-chloro-2-(chlorom...	172	C4H6Cl2O3	1000404-64-5	9
5	Topotecan	421	C23H23N3O5	1000131-70-7	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043952.D
Acq On : 22 Nov 2024 12:13
Operator : JC/MD
Sample : VX1122WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown1.575	1.575	5.1	ug/l	37633	1	5.544	372015	50.0

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VX1125WBL01	SDG No.:	P4846
Lab Sample ID:	VX1125WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043979.D	1		11/25/24 12:18	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

Raw Data: **VX043979.D**

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VX1125WBL01	SDG No.:	P4846
Lab Sample ID:	VX1125WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043979.D	1		11/25/24 12:18	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.0		81 - 118		104%	SPK: 50
1868-53-7	Dibromofluoromethane	47.2		80 - 119		94%	SPK: 50
2037-26-5	Toluene-d8	51.6		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.7		85 - 114		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	114000	5.538				
540-36-3	1,4-Difluorobenzene	224000	6.757				
3114-55-4	Chlorobenzene-d5	208000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	90700	12.018				

Raw Data: **VX043979.D**

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VX1125WBL01	SDG No.:	P4846
Lab Sample ID:	VX1125WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043979.D	1		11/25/24 12:18	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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

Sample Results: **VX043979.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043979.D
Acq On : 25 Nov 2024 12:18
Operator : JC/MD
Sample : VX1125WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBL01

Quant Time: Nov 26 00:44:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

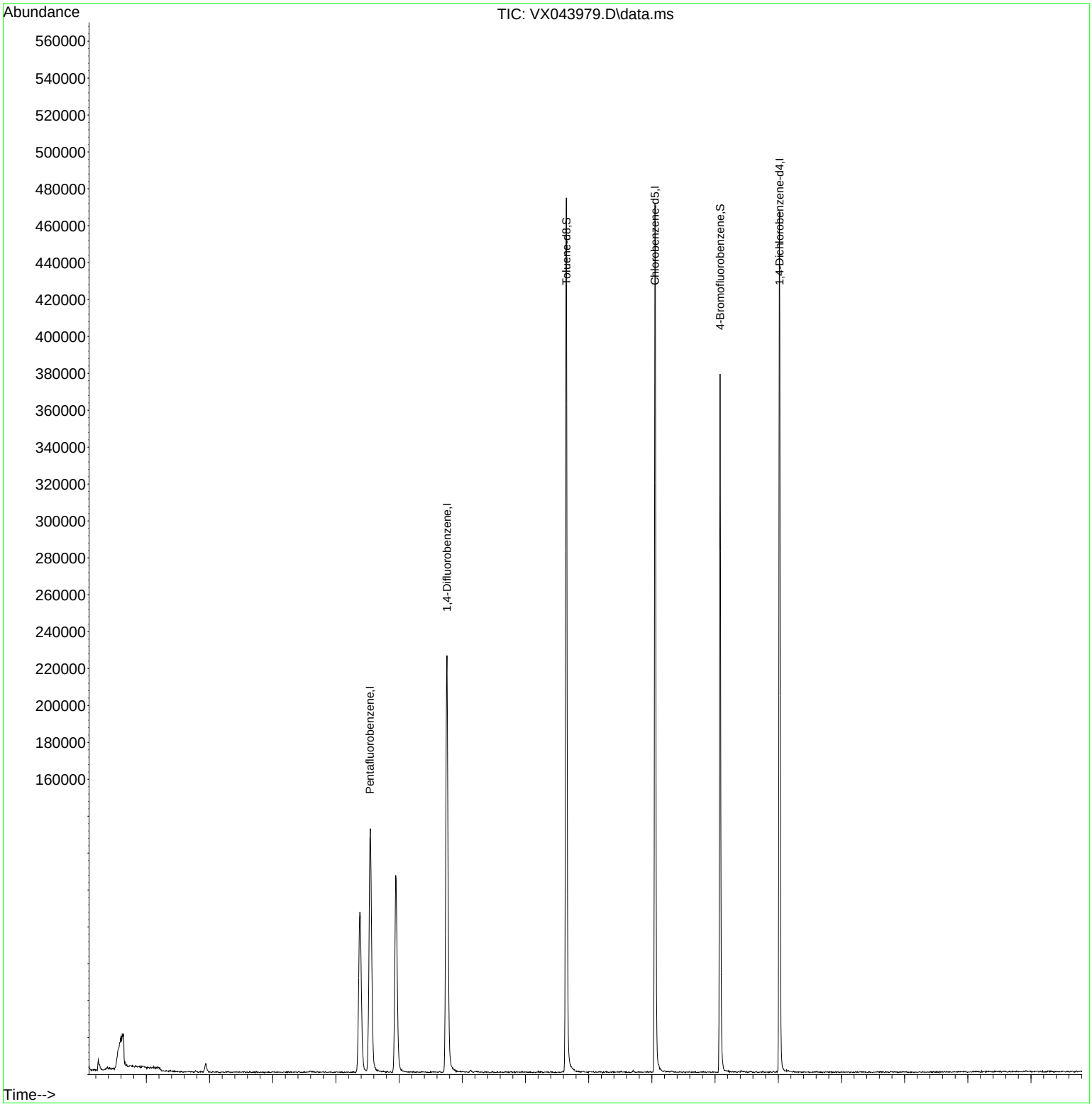
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	113649	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	223629	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	208120	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	90683	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	101387	52.013	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.020%			
35) Dibromofluoromethane	5.379	113	75383	47.175	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.360%			
50) Toluene-d8	8.647	98	284104	51.578	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.160%			
62) 4-Bromofluorobenzene	11.079	95	95049	50.703	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.400%			
Target Compounds						Qvalue

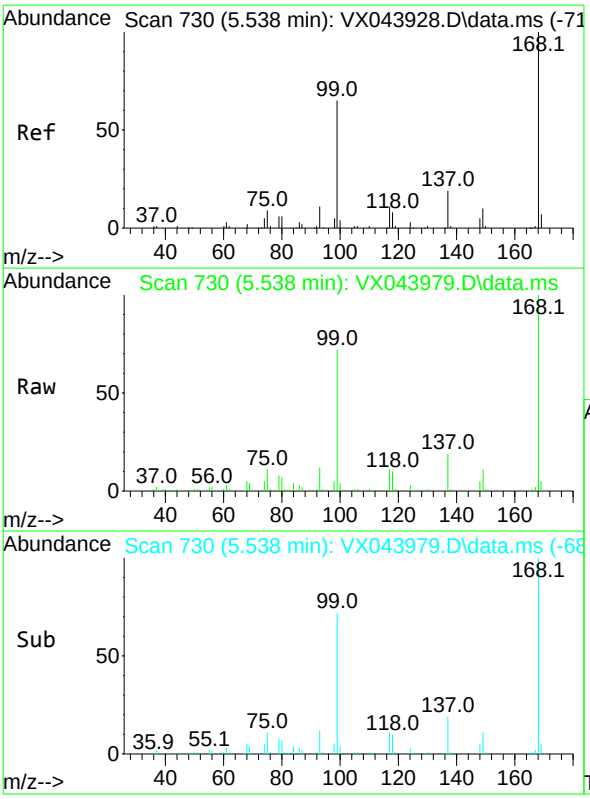
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043979.D
Acq On : 25 Nov 2024 12:18
Operator : JC/MD
Sample : VX1125WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBL01

Quant Time: Nov 26 00:44:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



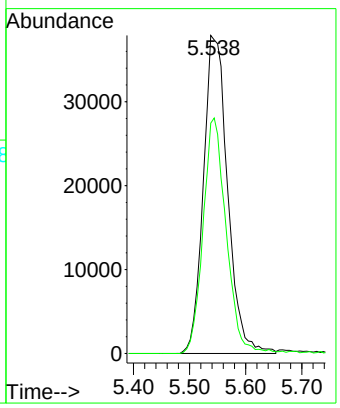


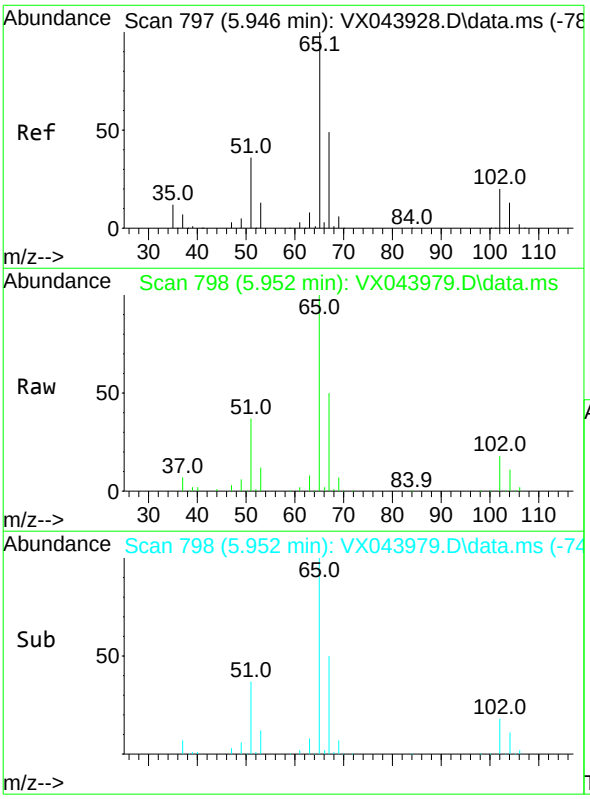
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX043979.D
Acq: 25 Nov 2024 12:18

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBL01

Tgt Ion:168 Resp: 113649

Ion	Ratio	Lower	Upper
168	100		
99	72.4	51.8	77.8

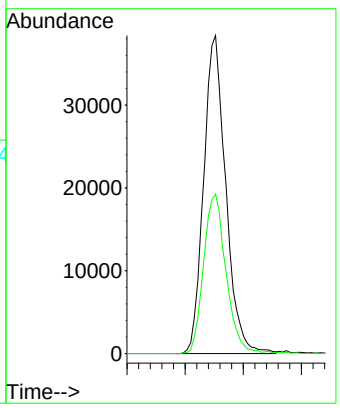


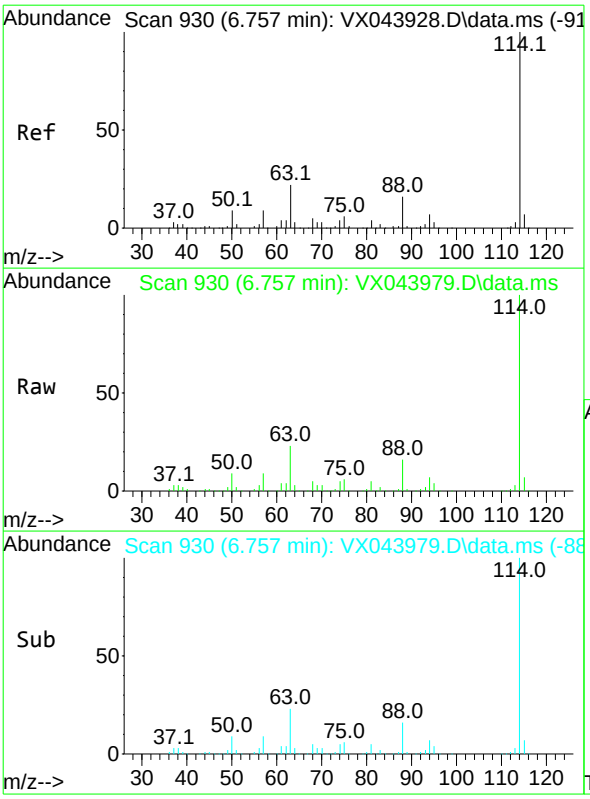


#33
1,2-Dichloroethane-d4
Concen: 52.013 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX043979.D
Acq: 25 Nov 2024 12:18

Tgt Ion: 65 Resp: 101387

Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	100.8



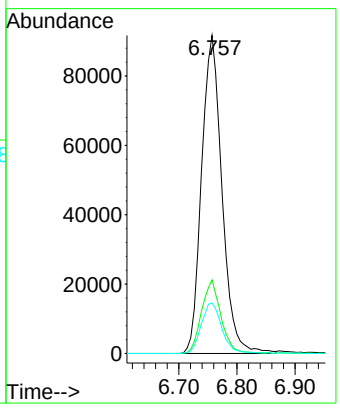


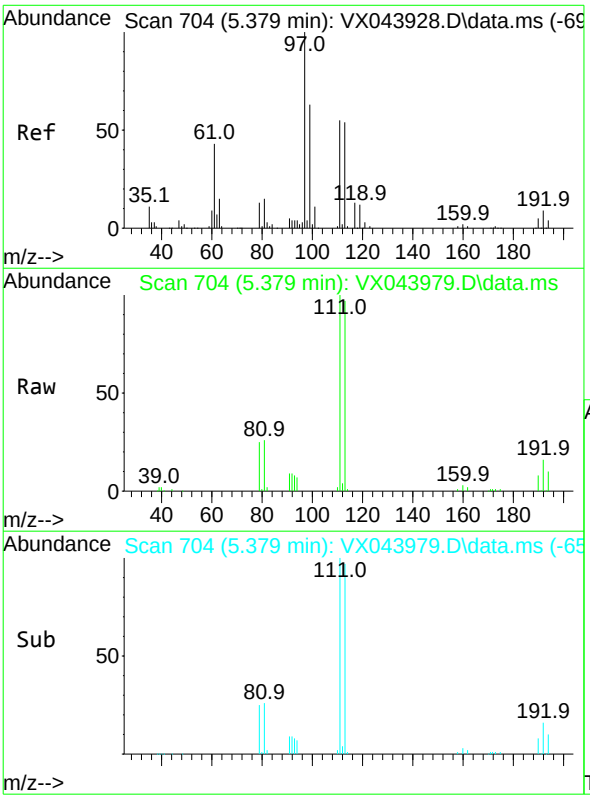
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. 0.000 min
Lab File: VX043979.D
Acq: 25 Nov 2024 12:18

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBL01

Tgt Ion:114 Resp: 223629

Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	44.0
88	15.9	0.0	32.4

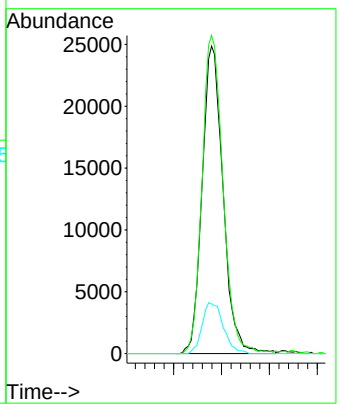


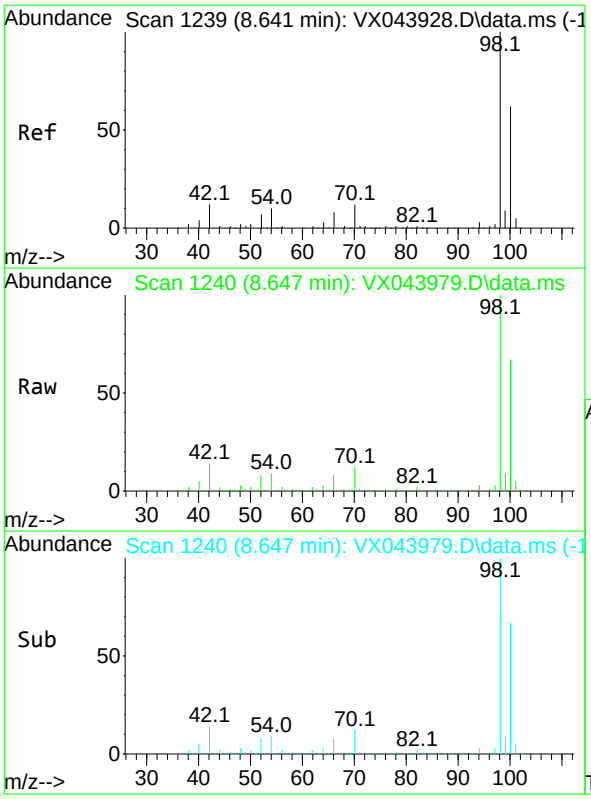


#35
Dibromofluoromethane
Concen: 47.175 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX043979.D
Acq: 25 Nov 2024 12:18

Tgt Ion:113 Resp: 75383

Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.0	121.4
192	16.8	13.0	19.6



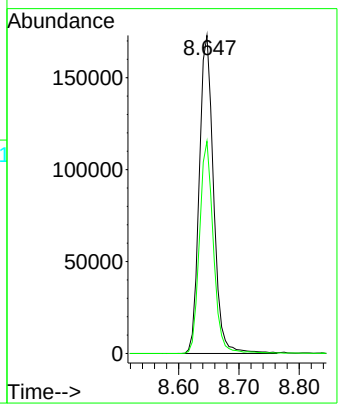


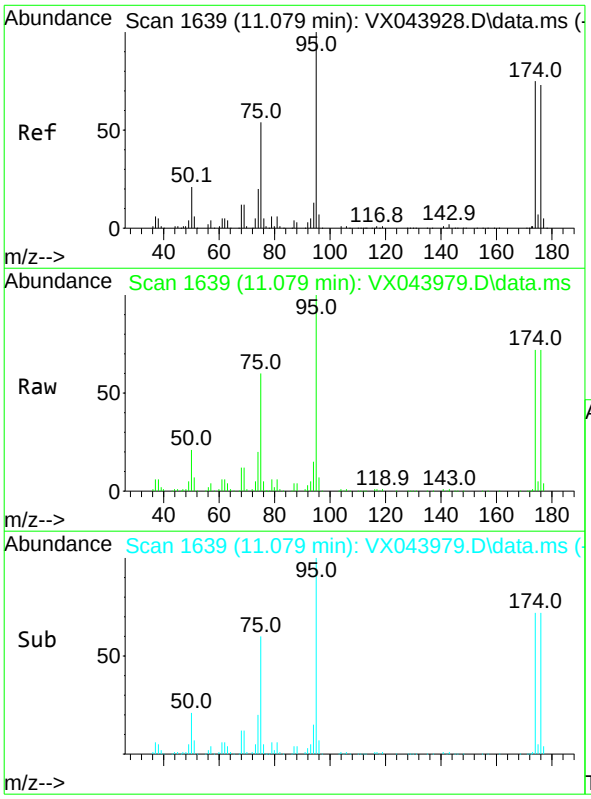
#50
Toluene-d8
Concen: 51.578 ug/l
RT: 8.647 min Scan# 12
Delta R.T. 0.006 min
Lab File: VX043979.D
Acq: 25 Nov 2024 12:18

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBL01

Tgt Ion: 98 Resp: 284104

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.6	79.0

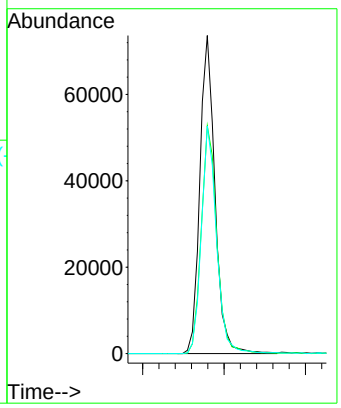


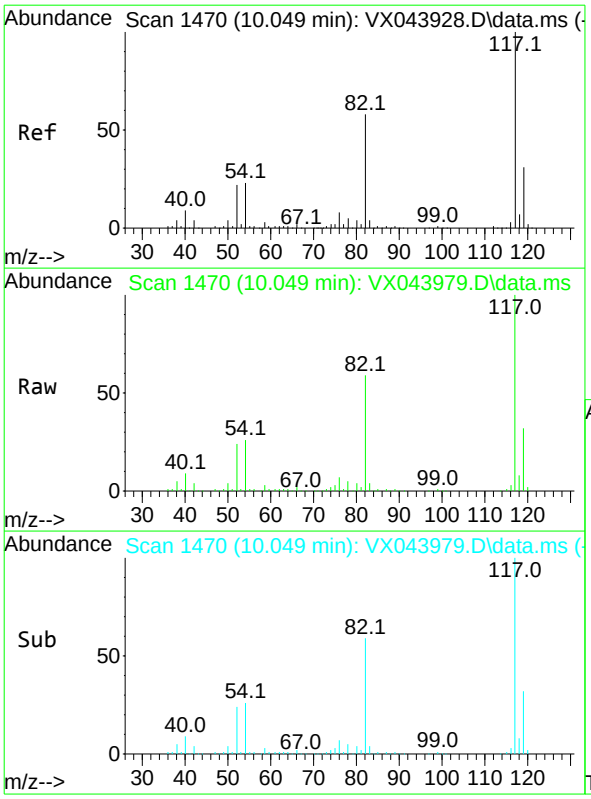


#62
4-Bromofluorobenzene
Concen: 50.703 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043979.D
Acq: 25 Nov 2024 12:18

Tgt Ion: 95 Resp: 95049

Ion	Ratio	Lower	Upper
95	100		
174	73.6	0.0	150.4
176	71.8	0.0	146.0



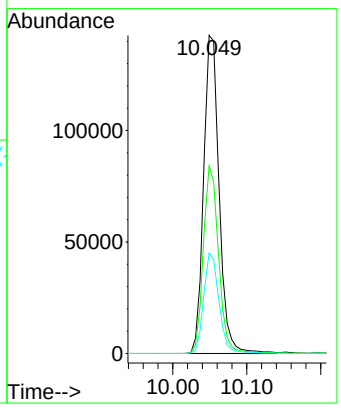


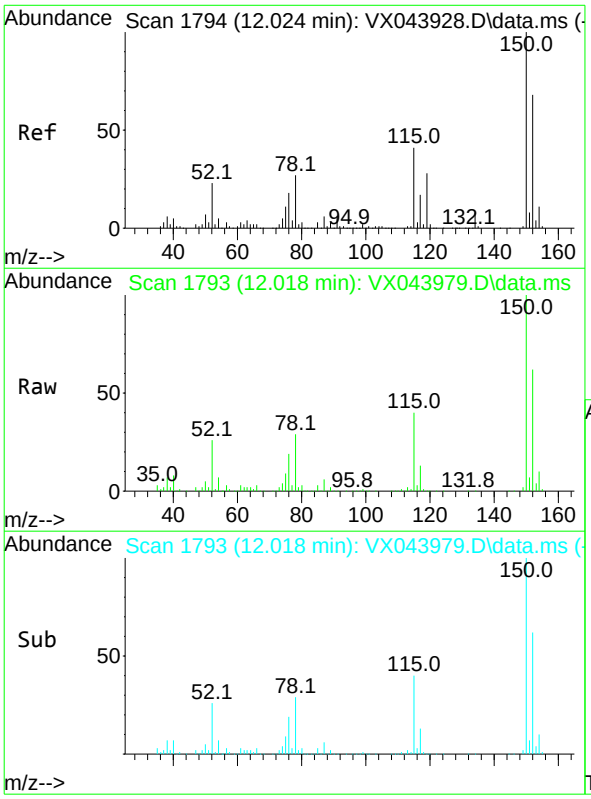
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043979.D
Acq: 25 Nov 2024 12:18

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBL01

Tgt Ion:117 Resp: 208120

Ion	Ratio	Lower	Upper
117	100		
82	59.0	46.4	69.6
119	31.6	24.6	37.0

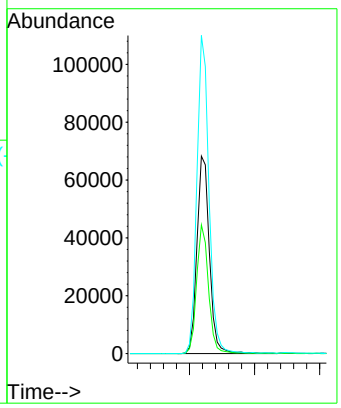




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043979.D
Acq: 25 Nov 2024 12:18

Tgt Ion:152 Resp: 90683

Ion	Ratio	Lower	Upper
152	100		
115	62.1	45.4	136.2
150	155.6	0.0	353.0



Sample Results: **VX043979.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043979.D
Acq On : 25 Nov 2024 12:18
Operator : JC/MD
Sample : VX1125WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBL01

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\82X112124W.M
Title : SW846 8260

Signal : TIC: VX043979.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.240	22	25	36	rBV3	5944	11267	1.44%	0.274%
2	1.593	67	83	84	rBV5	17027	56302	7.20%	1.371%
3	2.941	298	304	312	rVB4	4793	10768	1.38%	0.262%
4	5.379	693	704	720	rBV2	87196	264956	33.90%	6.452%
5	5.544	720	731	746	rVV	131457	377341	48.28%	9.189%
6	5.946	787	797	811	rBV	107090	283390	36.26%	6.901%
7	6.757	919	930	945	rBV	225942	550568	70.45%	13.407%
8	8.647	1232	1240	1256	rBV	473908	781495	100.00%	19.031%
9	10.049	1465	1470	1492	rBV	470361	681040	87.15%	16.584%
10	11.079	1634	1639	1650	rBV	378480	489943	62.69%	11.931%
11	12.018	1788	1793	1807	rBV	465960	599465	76.71%	14.598%

Sum of corrected areas: 4106535

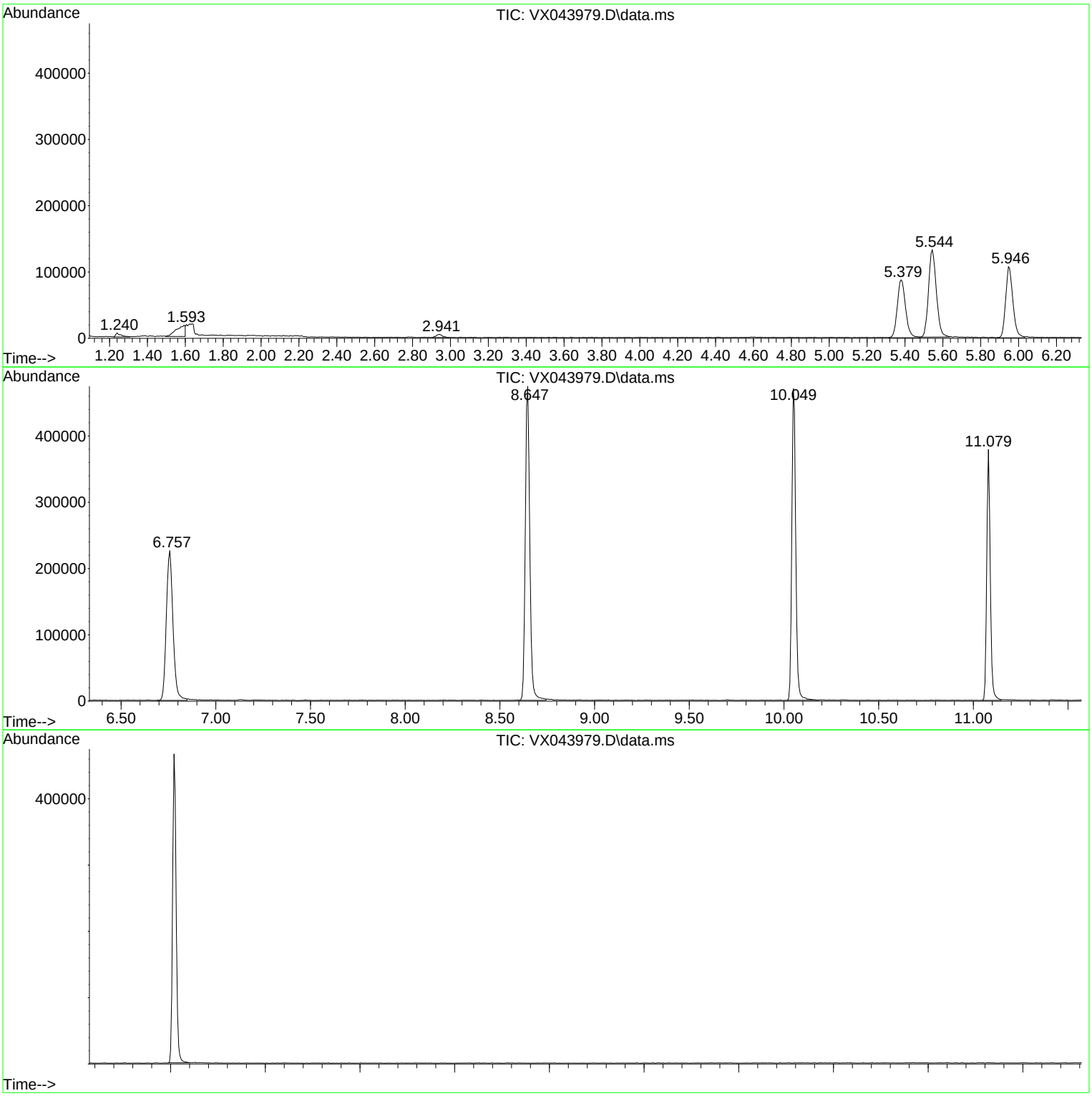
Sample Results: **VX043979.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043979.D
Acq On : 25 Nov 2024 12:18
Operator : JC/MD
Sample : VX1125WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VX043979.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043979.D
Acq On : 25 Nov 2024 12:18
Operator : JC/MD
Sample : VX1125WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.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\VX112524\
Data File : VX043979.D
Acq On : 25 Nov 2024 12:18
Operator : JC/MD
Sample : VX1125WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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

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

Raw Data: **VX043953.D**

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VX1122WBS01	SDG No.:	P4846
Lab Sample ID:	VX1122WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043953.D	1		11/22/24 12:36	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	20.0		0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	20.8		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	20.8		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	21.5		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	23.4		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.5		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.4		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	20.4		0.26	0.75	1.00	ug/L
67-64-1	Acetone	99.9		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	17.0		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	21.5		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	20.5		0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	20.7		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	20.9		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	21.2		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	19.9		1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	100		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.9		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.8		0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	19.8		0.18	0.50	1.00	ug/L
67-66-3	Chloroform	21.6		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	21.4		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	18.6		0.19	0.50	1.00	ug/L
71-43-2	Benzene	20.3		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.7		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	17.0		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	21.0		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	19.9		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.75	2.50	5.00	ug/L
108-88-3	Toluene	20.4		0.18	0.50	1.00	ug/L

Raw Data: **VX043953.D**

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VX1122WBS01	SDG No.:	P4846
Lab Sample ID:	VX1122WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043953.D	1		11/22/24 12:36	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	20.0		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.6		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.1		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	100		1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	18.7		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.5		0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	20.3		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	19.9		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	20.4		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	40.3		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	20.7		0.14	0.50	1.00	ug/L
100-42-5	Styrene	20.6		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	16.9		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	21.1		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.6		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.6		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	20.0		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.7		0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	17.4		0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.5		0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.2		0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.0		81 - 118		108%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	50.9		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.4		85 - 114		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	123000	5.543				
540-36-3	1,4-Difluorobenzene	229000	6.757				
3114-55-4	Chlorobenzene-d5	196000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	86700	12.018				

Raw Data: **VX043953.D**

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VX1122WBS01	SDG No.:	P4846
Lab Sample ID:	VX1122WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043953.D	1		11/22/24 12:36	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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

Sample Results: **VX043953.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043953.D
Acq On : 22 Nov 2024 12:36
Operator : JC/MD
Sample : VX1122WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 22 22:19:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations APPROVED
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	122957	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	229417	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	195535	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	86659	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	113852	53.986	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.980%			
35) Dibromofluoromethane	5.379	113	82706	50.452	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.900%			
50) Toluene-d8	8.647	98	287688	50.911	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.820%			
62) 4-Bromofluorobenzene	11.079	95	96910	50.392	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.780%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	31130	19.985	ug/l	94
3) Chloromethane	1.294	50	34079	20.791	ug/l	98
4) Vinyl Chloride	1.373	62	36280	20.809	ug/l	100
5) Bromomethane	1.599	94	23111	21.548	ug/l	97
6) Chloroethane	1.666	64	24828	23.371	ug/l	100
7) Trichlorofluoromethane	1.873	101	60641	19.455	ug/l	97
8) Diethyl Ether	2.136	74	23915	21.050	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.318	101	30353	20.414	ug/l	97
10) Methyl Iodide	2.446	142	39789	21.427	ug/l	99
11) Tert butyl alcohol	2.989	59	34049	100.588	ug/l	100
12) 1,1-Dichloroethene	2.312	96	28927	20.417	ug/l	93
13) Acrolein	2.239	56	37938	106.330	ug/l	95
14) Allyl chloride	2.660	41	48638	21.009	ug/l	97
15) Acrylonitrile	3.062	53	85765	103.970	ug/l	99
16) Acetone	2.386	43	96805	99.942	ug/l	98
17) Carbon Disulfide	2.501	76	49804	17.041	ug/l #	95
18) Methyl Acetate	2.703	43	46269	20.512	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	110640	21.507	ug/l	99
20) Methylene Chloride	2.782	84	34071	20.728	ug/l	93
21) trans-1,2-Dichloroethene	3.087	96	30530	20.871	ug/l	95
22) Diisopropyl ether	3.757	45	109520	22.124	ug/l #	87
23) Vinyl Acetate	3.721	43	453316	107.047	ug/l	99
24) 1,1-Dichloroethane	3.605	63	60662	21.241	ug/l	98
25) 2-Butanone	4.562	43	130824	104.675	ug/l	100
26) 2,2-Dichloropropane	4.471	77	52043	20.178	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	37579	20.783	ug/l	99
28) Bromochloromethane	4.891	49	24947	19.846	ug/l	97
29) Tetrahydrofuran	5.007	42	79046	103.164	ug/l	99
30) Chloroform	5.086	83	66350	21.602	ug/l	97
31) Cyclohexane	5.458	56	46697	19.867	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	56657	21.390	ug/l	99
36) 1,1-Dichloropropene	5.684	75	41234	20.185	ug/l	97
37) Ethyl Acetate	4.714	43	49752	19.620	ug/l #	92
38) Carbon Tetrachloride	5.672	117	43324	18.875	ug/l	95
39) Methylcyclohexane	7.372	83	49229	18.550	ug/l	98
40) Benzene	6.031	78	129291	20.319	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043953.D
Acq On : 22 Nov 2024 12:36
Operator : JC/MD
Sample : VX1122WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 22 22:19:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.922	41	26340	20.295 ug/l #	93
42) 1,2-Dichloroethane	6.086	62	52905	20.702 ug/l	100
43) Isopropyl Acetate	6.342	43	81776	20.264 ug/l	100
44) Trichloroethene	7.122	130	30582	16.978 ug/l	89
45) 1,2-Dichloropropane	7.427	63	32777	21.032 ug/l	97
46) Dibromomethane	7.574	93	25316	20.535 ug/l	98
47) Bromodichloromethane	7.817	83	43925	19.866 ug/l	96
48) Methyl methacrylate	7.689	41	38226	19.741 ug/l	99
49) 1,4-Dioxane	7.665	88	11659	338.011 ug/l #	80
51) 4-Methyl-2-Pentanone	8.573	43	248440	100.883 ug/l	100
52) Toluene	8.714	92	77505	20.351 ug/l	100
53) t-1,3-Dichloropropene	8.976	75	45015	19.965 ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	48377	19.572 ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	31640	20.126 ug/l	96
56) Ethyl methacrylate	9.116	69	49905	20.380 ug/l	98
57) 1,3-Dichloropropane	9.305	76	55597	20.993 ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	122520	90.630 ug/l	98
59) 2-Hexanone	9.433	43	186272	100.633 ug/l	99
60) Dibromochloromethane	9.518	129	29549	18.733 ug/l	97
61) 1,2-Dibromoethane	9.610	107	32532	20.465 ug/l	98
64) Tetrachloroethene	9.274	164	26135	20.270 ug/l	98
65) Chlorobenzene	10.079	112	85495	19.908 ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	28882	20.737 ug/l	97
67) Ethyl Benzene	10.189	91	148481	20.404 ug/l	99
68) m/p-Xylenes	10.299	106	109390	40.309 ug/l	98
69) o-Xylene	10.640	106	54754	20.665 ug/l	99
70) Styrene	10.652	104	90186	20.579 ug/l	98
71) Bromoform	10.799	173	16436	16.936 ug/l #	94
73) Isopropylbenzene	10.963	105	140447	21.084 ug/l	100
74) N-amyl acetate	10.841	43	63571	20.600 ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	49179	21.561 ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	39969m	21.032 ug/l	
77) Bromobenzene	11.195	156	32930	20.723 ug/l	96
78) n-propylbenzene	11.305	91	155584	20.912 ug/l	100
79) 2-Chlorotoluene	11.366	91	100875	21.442 ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	119899	21.878 ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	11627	16.695 ug/l #	84
82) 4-Chlorotoluene	11.451	91	112420	21.166 ug/l	99
83) tert-Butylbenzene	11.713	119	114224	21.028 ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	116894	21.424 ug/l	99
85) sec-Butylbenzene	11.890	105	136947	20.577 ug/l	99
86) p-Isopropyltoluene	12.006	119	114908	21.255 ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	59626	20.602 ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	58980	19.988 ug/l	95
89) n-Butylbenzene	12.329	91	99700	20.917 ug/l	97
90) Hexachloroethane	12.536	117	17220	18.732 ug/l	91
91) 1,2-Dichlorobenzene	12.335	146	60326	20.654 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	7938	17.368 ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	33614	19.521 ug/l	98
94) Hexachlorobutadiene	13.725	225	13463	19.782 ug/l	98
95) Naphthalene	13.774	128	124279	20.050 ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	35212	20.203 ug/l	97

Sample Results: **VX043953.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043953.D
Acq On : 22 Nov 2024 12:36
Operator : JC/MD
Sample : VX1122WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 22 22:19:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

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

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

Sample Results: **VX043953.D**

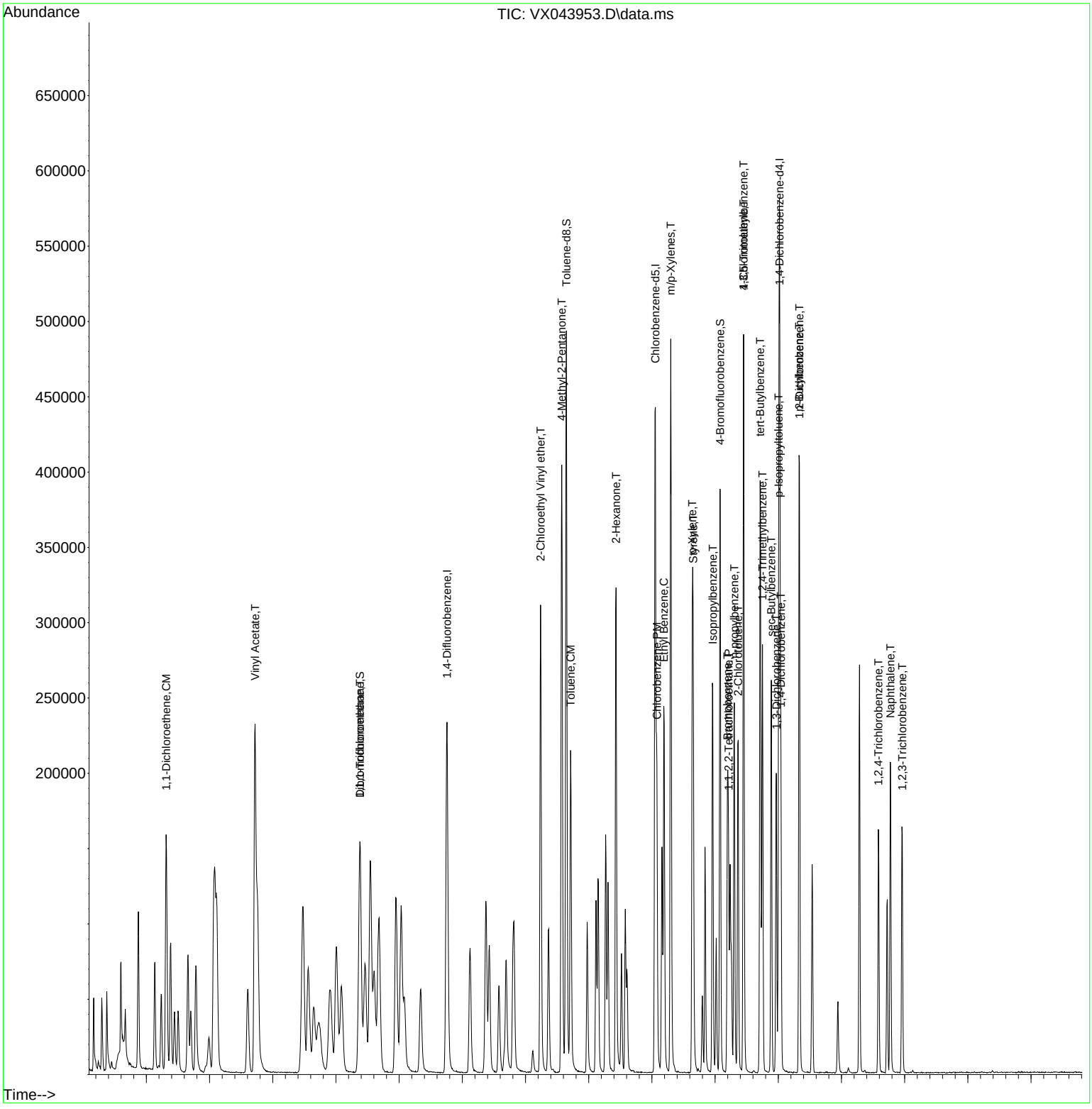
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Acq On : 22 Nov 2024 12:36
Operator : JC/MD
Sample : VX1122WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

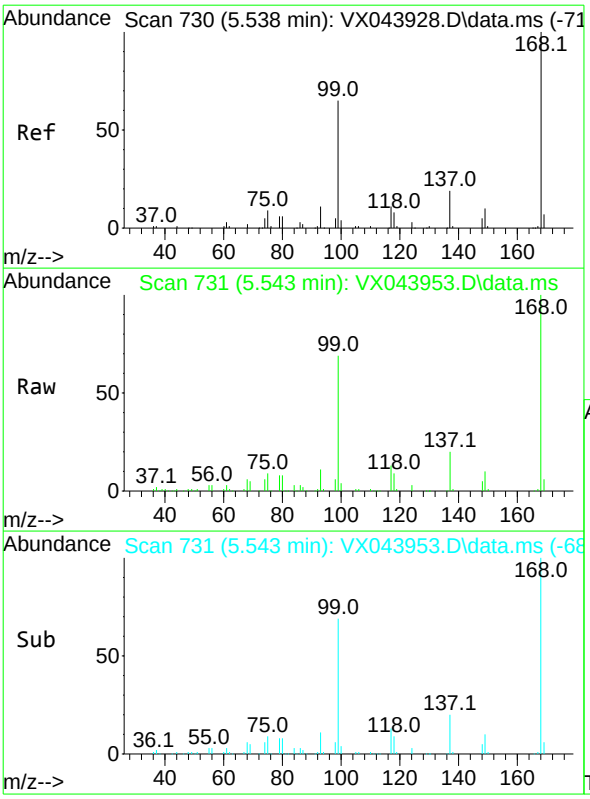
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Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

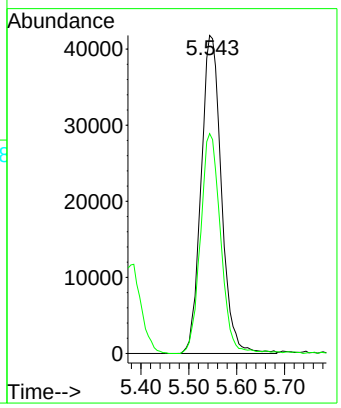




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 73
Delta R.T. 0.005 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:168 Resp: 122957

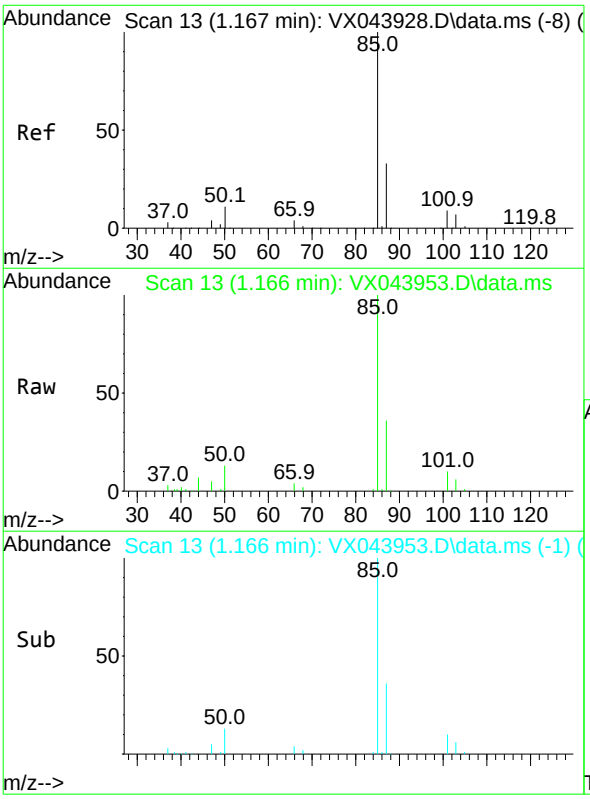
Ion	Ratio	Lower	Upper
168	100		
99	69.1	51.8	77.8



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations APPROVED

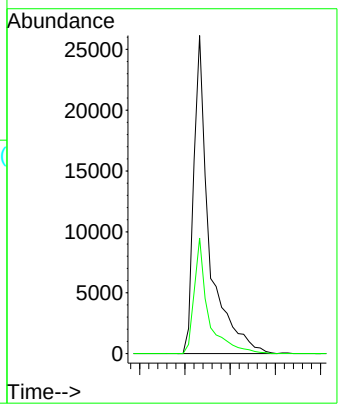
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

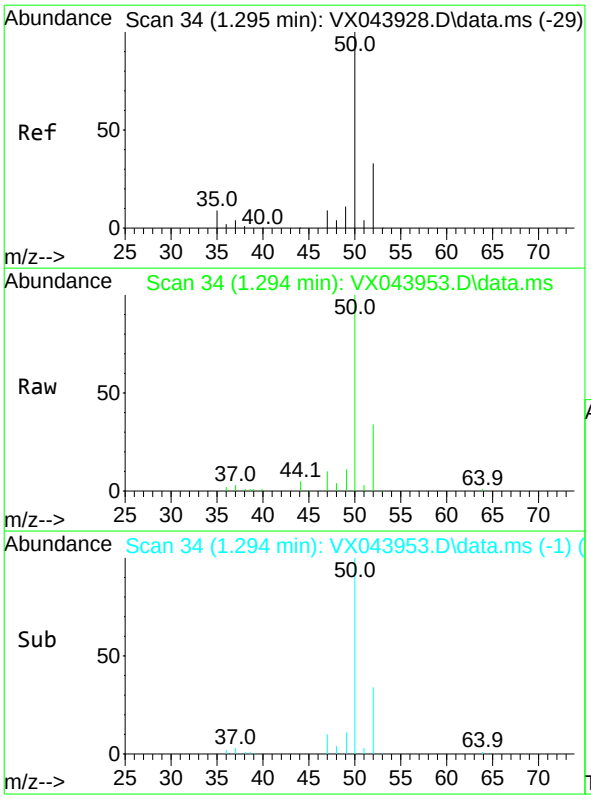


#2
Dichlorodifluoromethane
Concen: 19.985 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 85 Resp: 31130

Ion	Ratio	Lower	Upper
85	100		
87	36.3	16.6	49.8

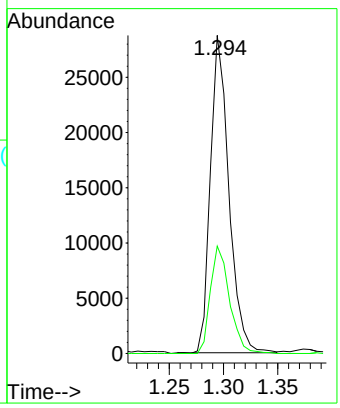




#3
Chloromethane
Concen: 20.791 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 50 Resp: 34079

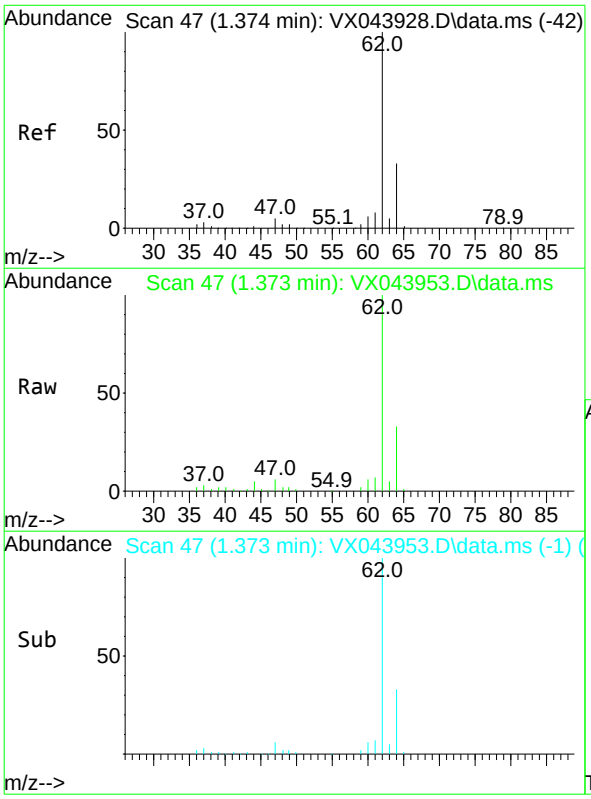
Ion	Ratio	Lower	Upper
50	100		
52	33.8	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations
APPROVED

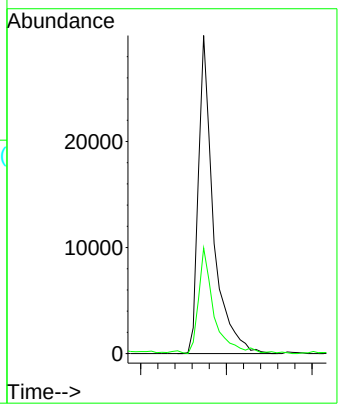
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

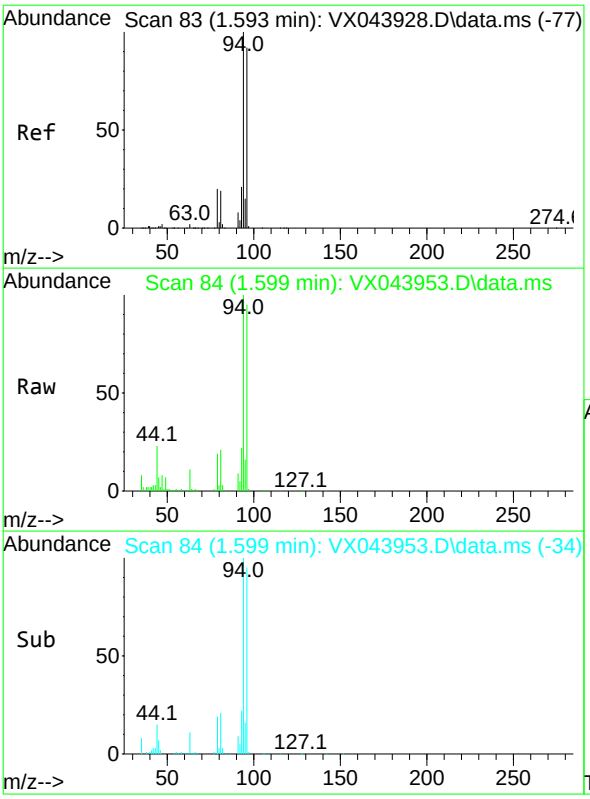


#4
Vinyl Chloride
Concen: 20.809 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 62 Resp: 36280

Ion	Ratio	Lower	Upper
62	100		
64	33.0	26.2	39.4

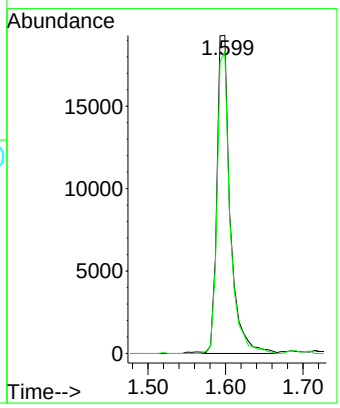




#5
Bromomethane
Concen: 21.548 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 94 Resp: 23111

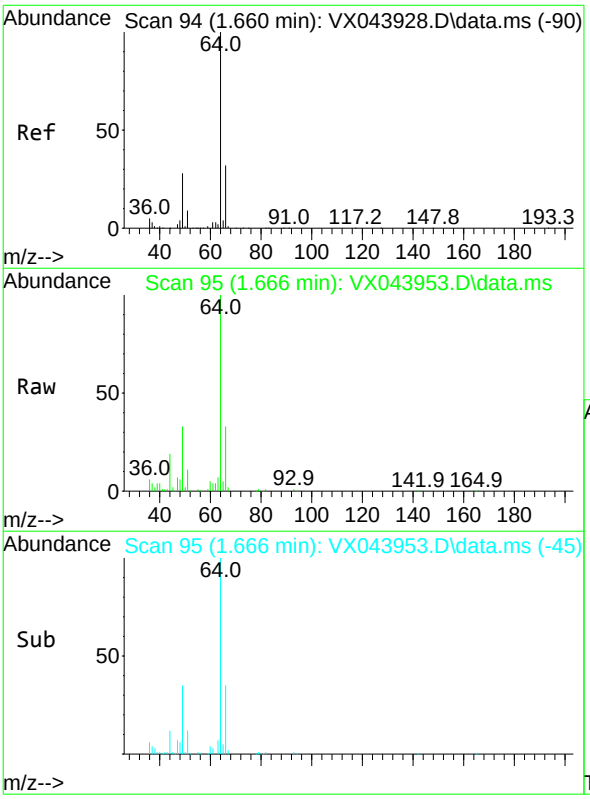
Ion	Ratio	Lower	Upper
94	100		
96	94.9	73.9	110.9



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations
APPROVED

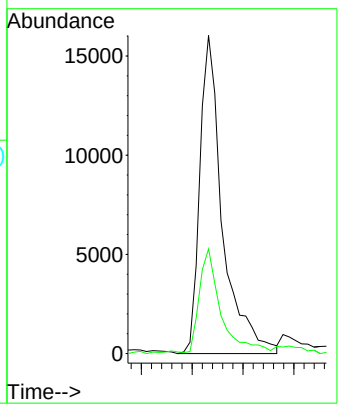
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

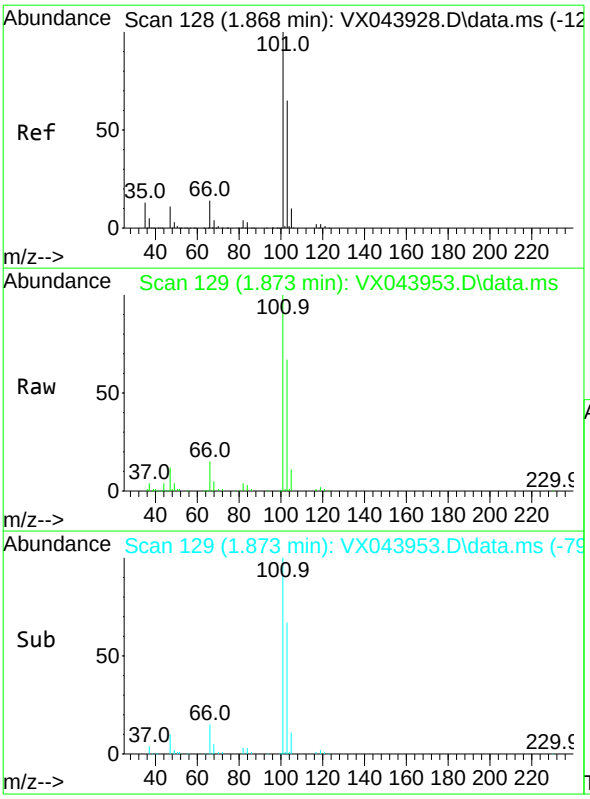


#6
Chloroethane
Concen: 23.371 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 64 Resp: 24828

Ion	Ratio	Lower	Upper
64	100		
66	32.4	25.9	38.9

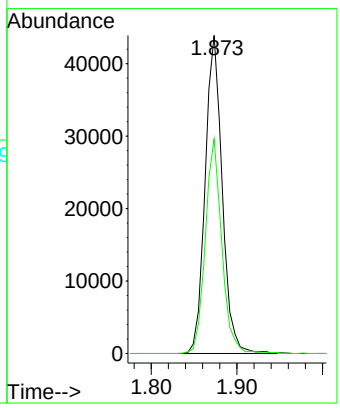




#7
Trichlorofluoromethane
Concen: 19.455 ug/l
RT: 1.873 min Scan# 12
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:101 Resp: 60641

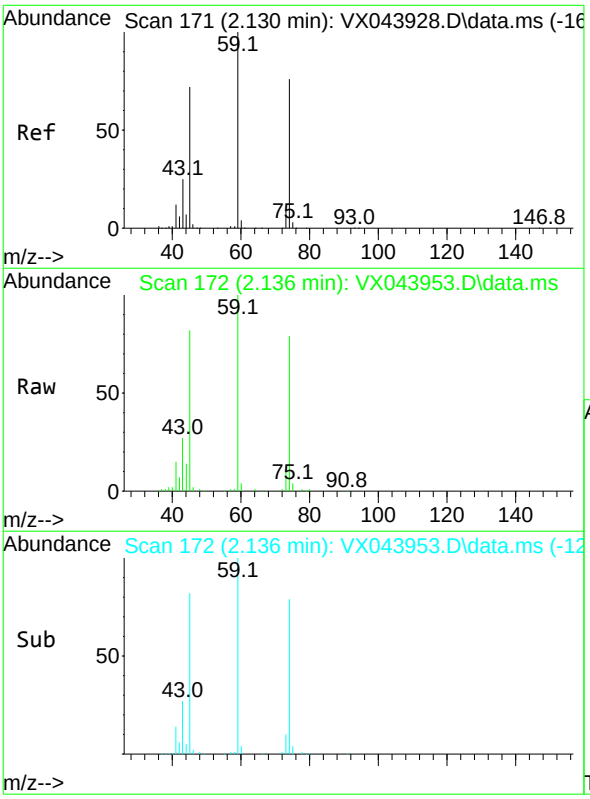
Ion	Ratio	Lower	Upper
101	100		
103	67.5	52.2	78.2



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations
APPROVED

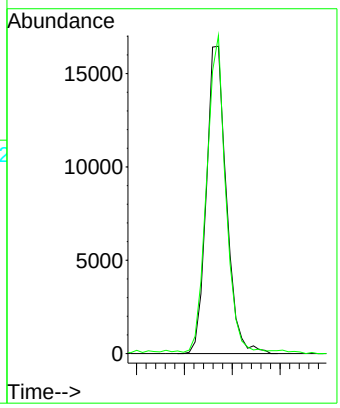
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

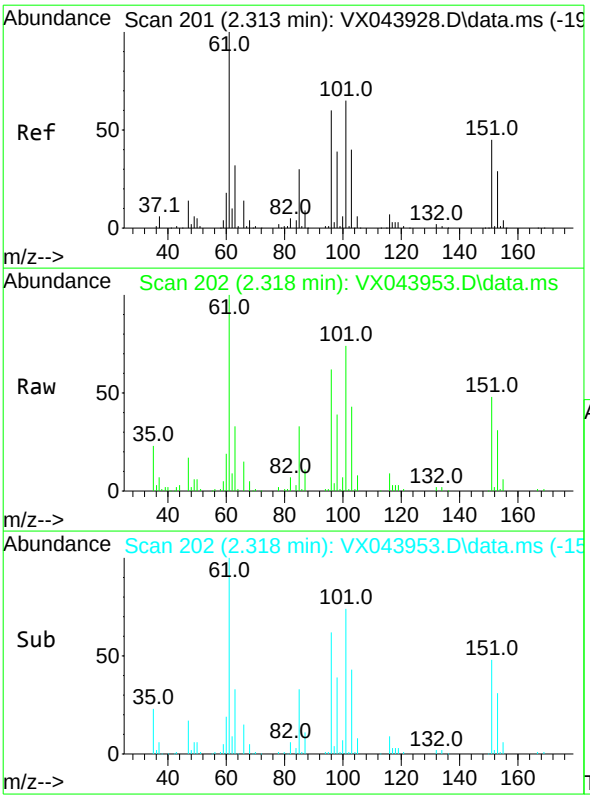


#8
Diethyl Ether
Concen: 21.050 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 74 Resp: 23915

Ion	Ratio	Lower	Upper
74	100		
45	97.7	47.9	143.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.414 ug/l
RT: 2.318 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

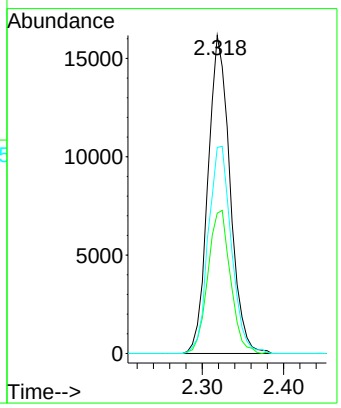
Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

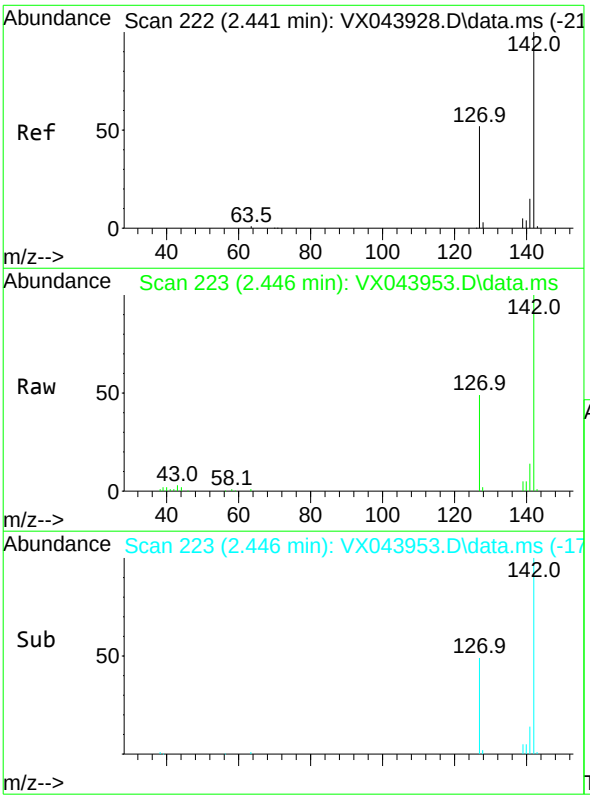
Tgt Ion:101 Resp: 30353

Ion	Ratio	Lower	Upper
101	100		
85	46.1	37.9	56.9
151	68.2	57.5	86.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

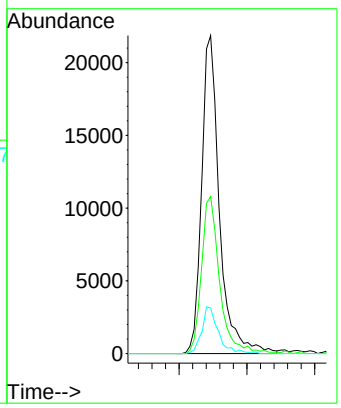


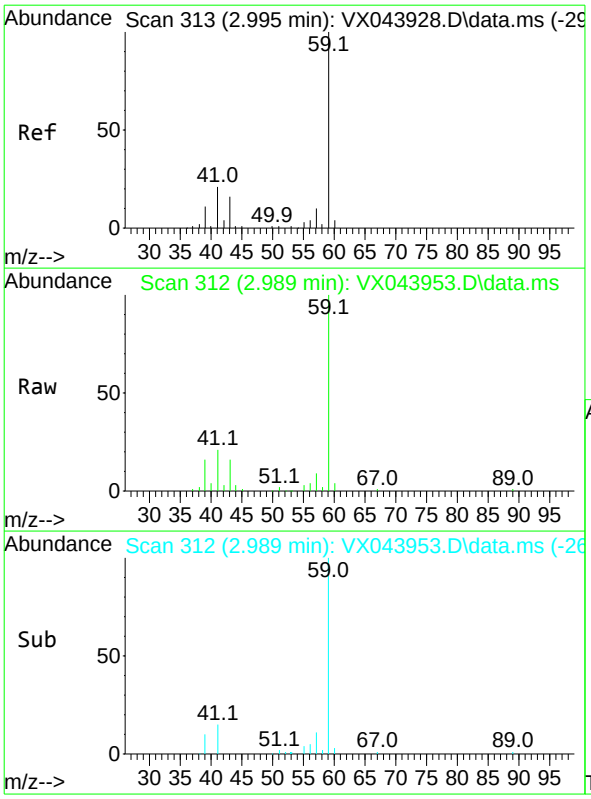


#10
Methyl Iodide
Concen: 21.427 ug/l
RT: 2.446 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:142 Resp: 39789

Ion	Ratio	Lower	Upper
142	100		
127	50.4	40.7	61.1
141	13.8	12.0	18.0

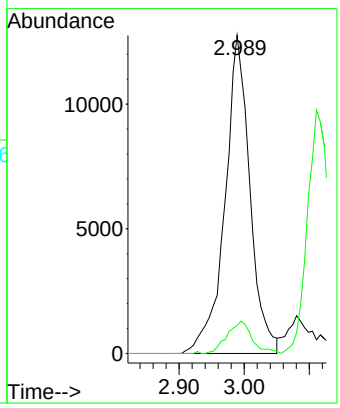




#11
Tert butyl alcohol
Concen: 100.588 ug/l
RT: 2.989 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 59 Resp: 34049

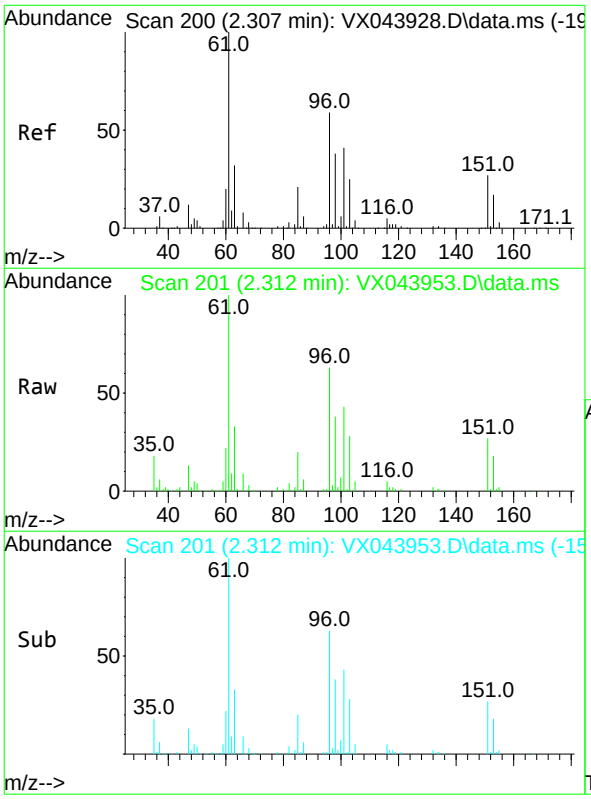
Ion	Ratio	Lower	Upper
59	100		
57	10.1	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations
APPROVED

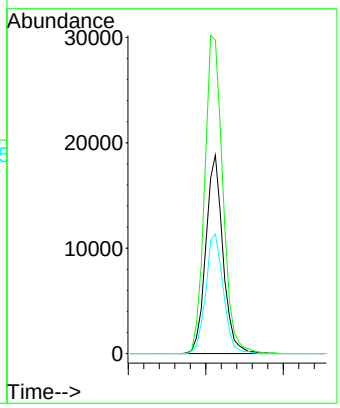
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

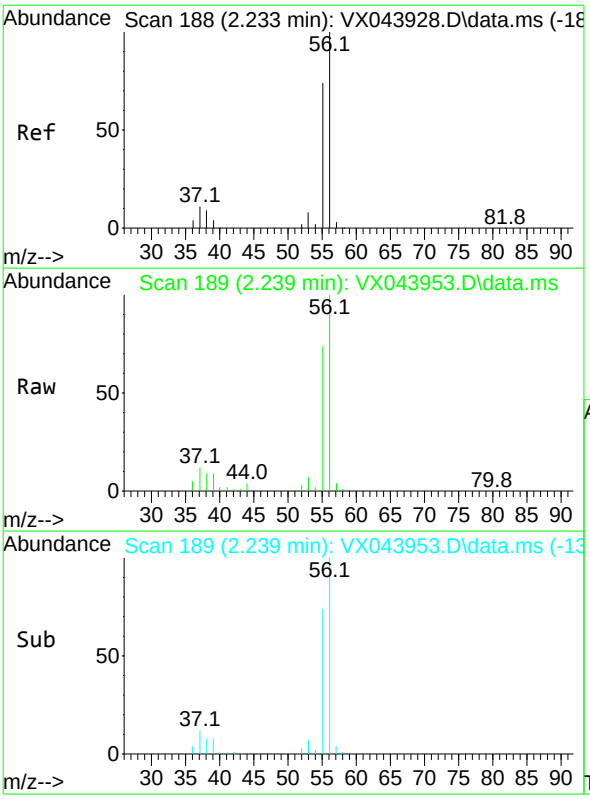


#12
1,1-Dichloroethene
Concen: 20.417 ug/l
RT: 2.312 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 96 Resp: 28927

Ion	Ratio	Lower	Upper
96	100		
61	158.0	135.5	203.3
98	60.3	50.8	76.2

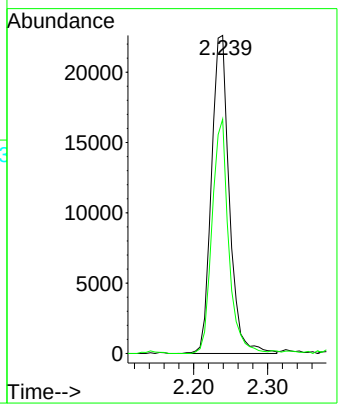




#13
Acrolein
Concen: 106.330 ug/l
RT: 2.239 min Scan# 18
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 56 Resp: 37938

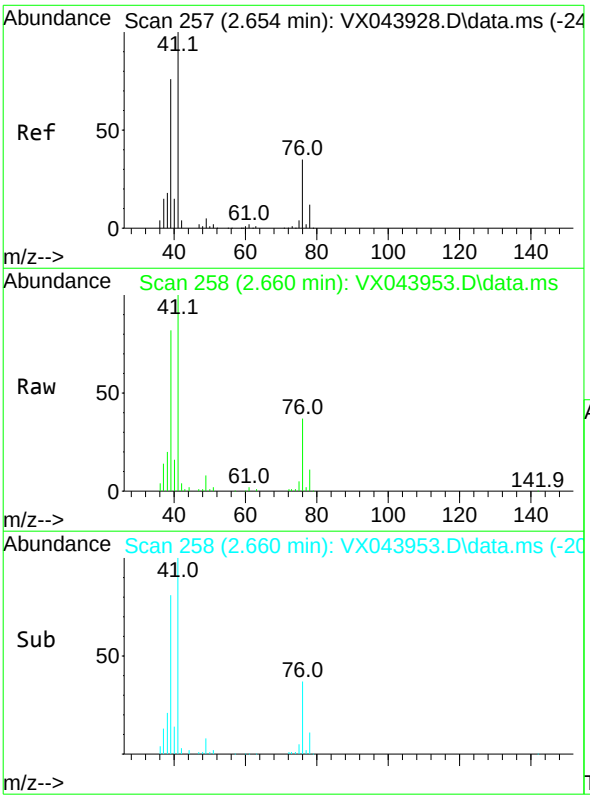
Ion	Ratio	Lower	Upper
56	100		
55	68.4	58.2	87.2



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations
APPROVED

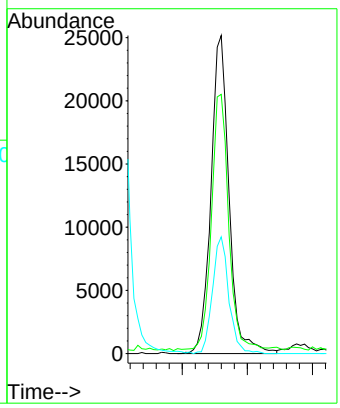
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

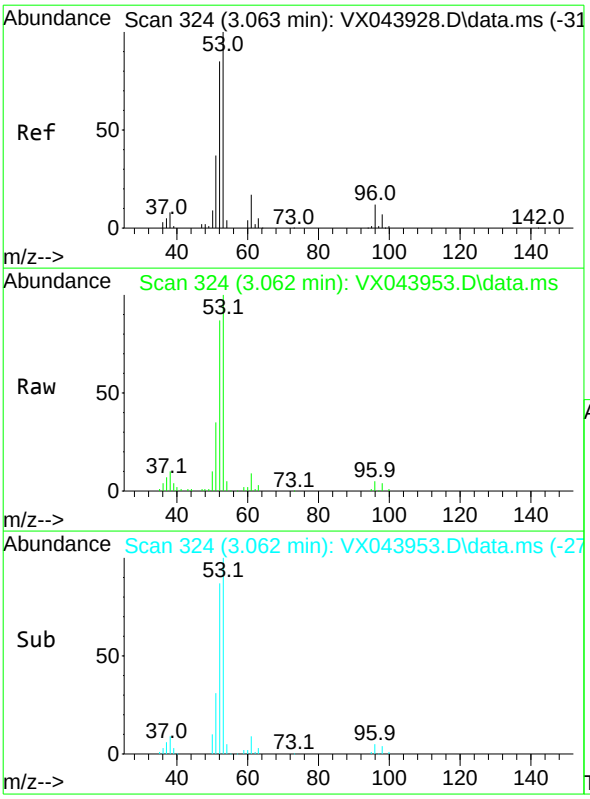


#14
Allyl chloride
Concen: 21.009 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 41 Resp: 48638

Ion	Ratio	Lower	Upper
41	100		
39	77.4	59.5	89.3
76	33.1	27.4	41.2

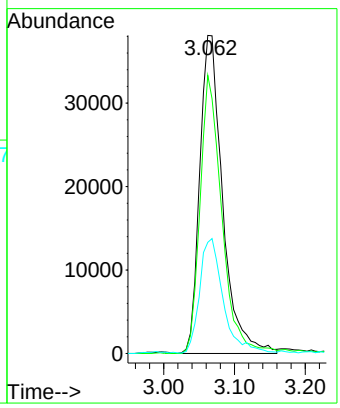




#15
Acrylonitrile
Concen: 103.970 ug/l
RT: 3.062 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 53 Resp: 85765

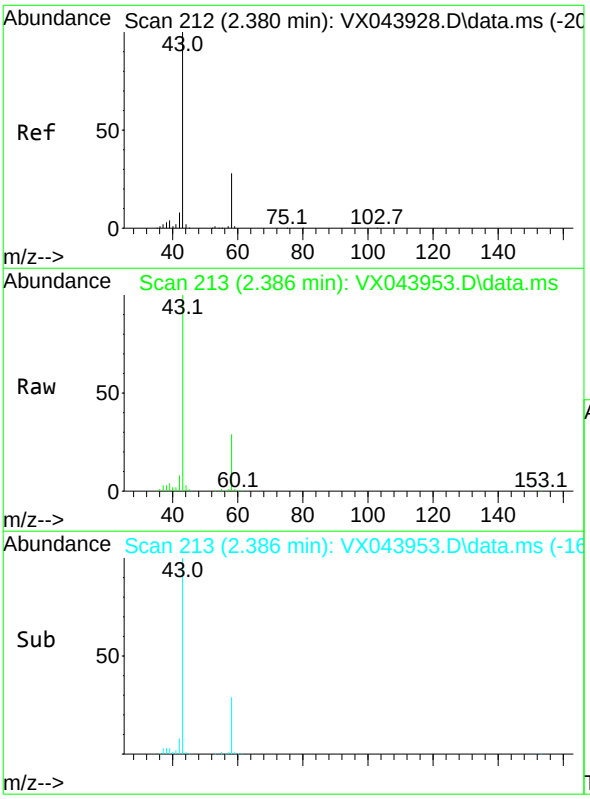
Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.5	99.7
51	36.9	30.2	45.4



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations
APPROVED

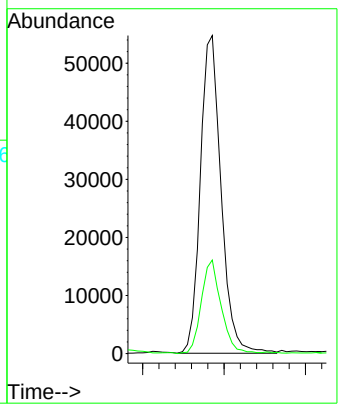
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

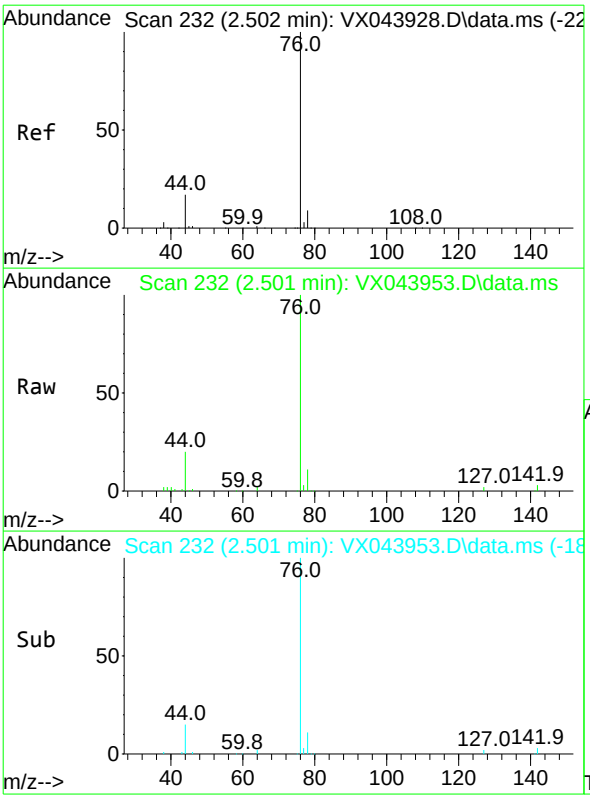


#16
Acetone
Concen: 99.942 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 43 Resp: 96805

Ion	Ratio	Lower	Upper
43	100		
58	29.4	22.7	34.1





#17
Carbon Disulfide
Concen: 17.041 ug/l
RT: 2.501 min Scan# 23
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

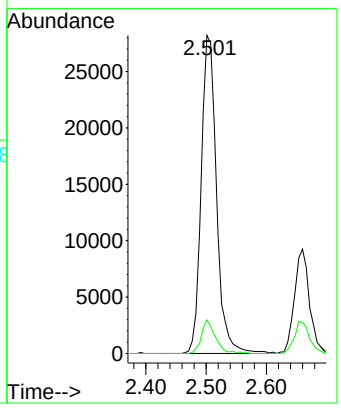
Tgt Ion: 76 Resp: 49804

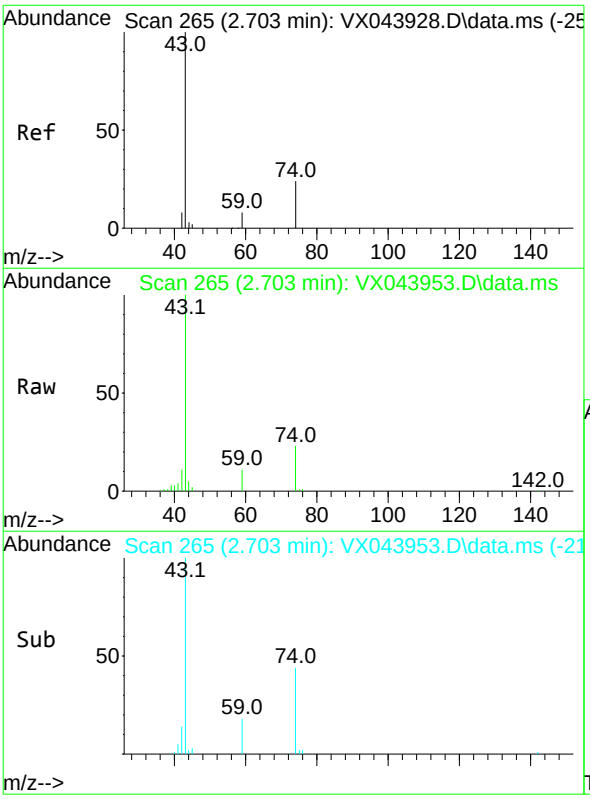
Ion	Ratio	Lower	Upper
76	100		
78	10.6	7.0	10.6#

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

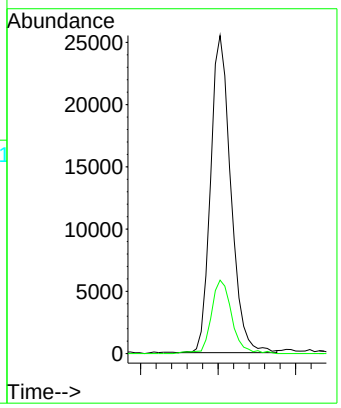


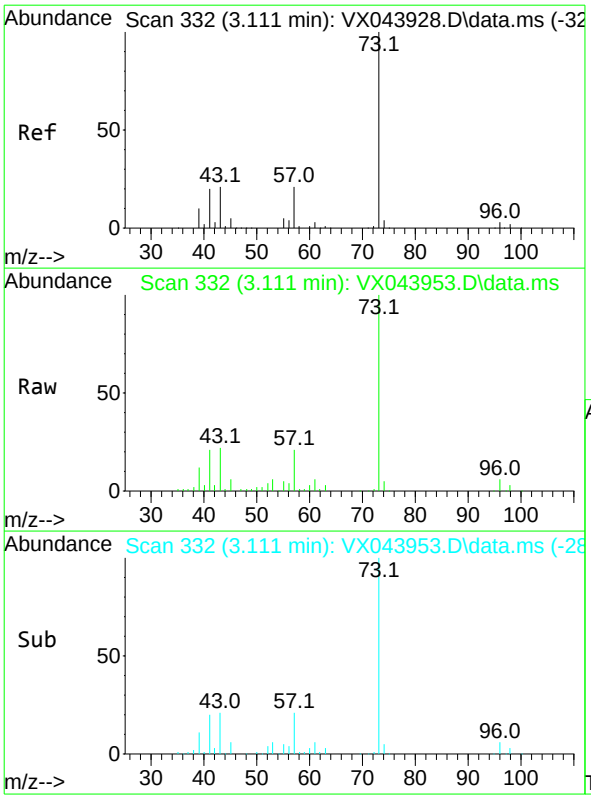


#18
Methyl Acetate
Concen: 20.512 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 43 Resp: 46269

Ion	Ratio	Lower	Upper
43	100		
74	23.5	18.9	28.3





#19
Methyl tert-butyl Ether
Concen: 21.507 ug/l
RT: 3.111 min Scan# 33
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

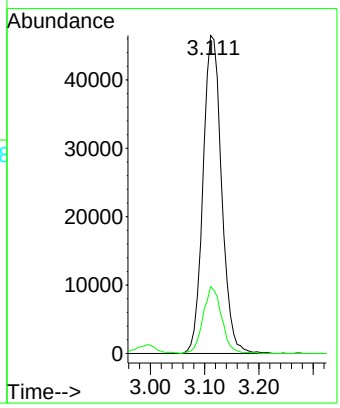
Tgt Ion: 73 Resp: 110640

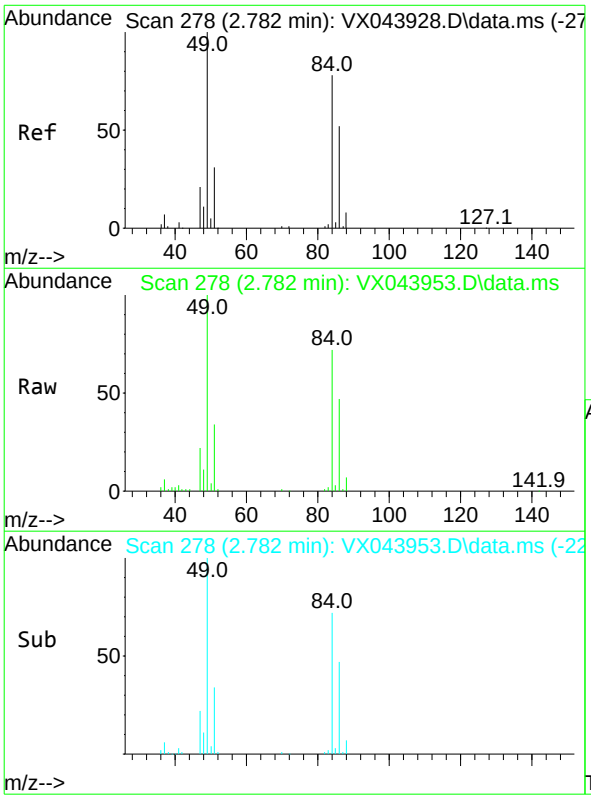
Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.0	25.6

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

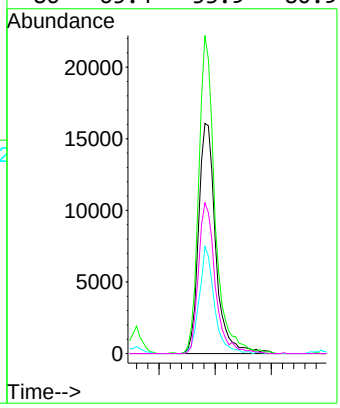


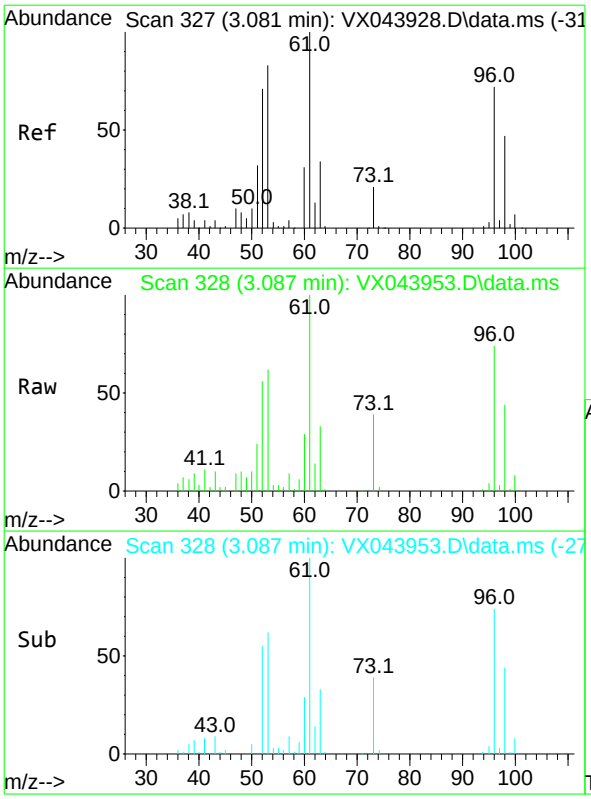


#20
Methylene Chloride
Concen: 20.728 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 84 Resp: 34071

Ion	Ratio	Lower	Upper
84	100		
49	138.2	102.7	154.1
51	46.5	31.7	47.5
86	65.4	53.9	80.9

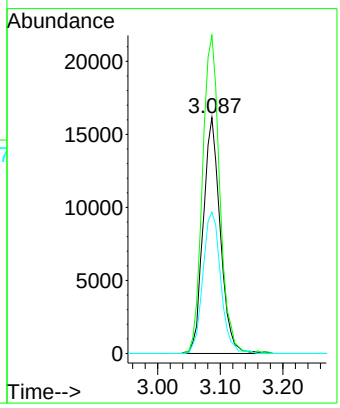




#21
trans-1,2-Dichloroethene
Concen: 20.871 ug/l
RT: 3.087 min Scan# 32
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 96 Resp: 30530

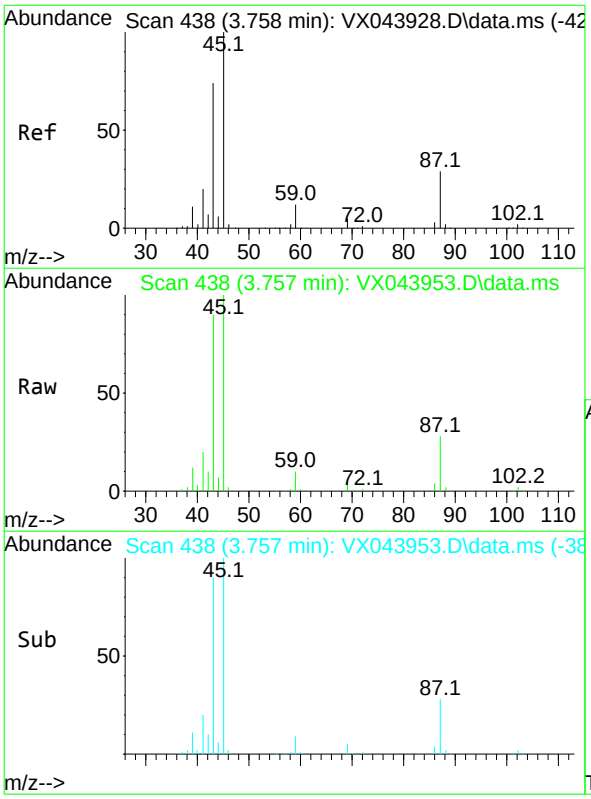
Ion	Ratio	Lower	Upper
96	100		
61	134.8	111.8	167.6
98	59.9	52.7	79.1



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations
APPROVED

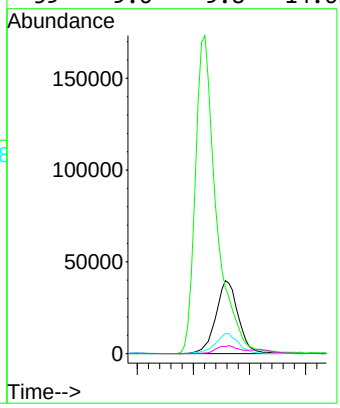
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

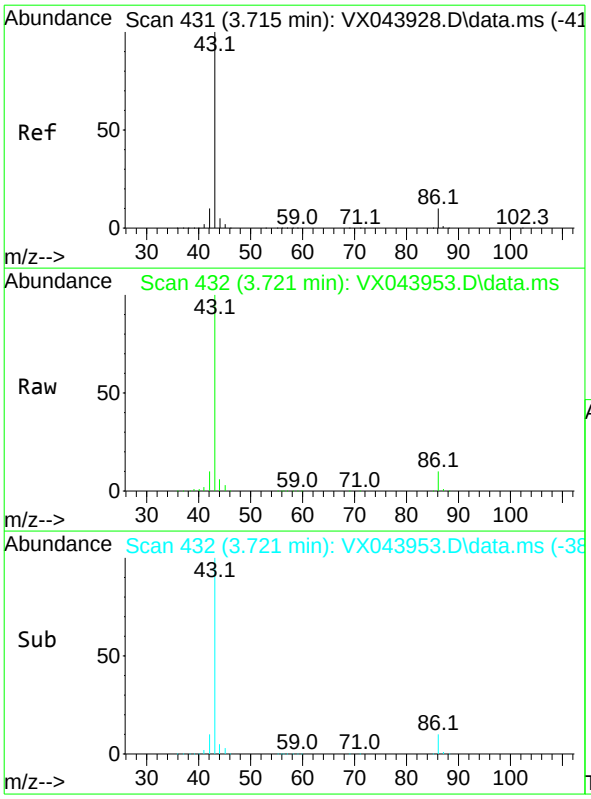


#22
Diisopropyl ether
Concen: 22.124 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 45 Resp: 109520

Ion	Ratio	Lower	Upper
45	100		
43	89.8	59.6	89.4#
87	27.5	22.9	34.3
59	9.6	9.8	14.6#

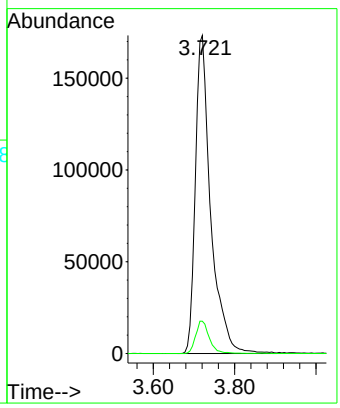




#23
Vinyl Acetate
Concen: 107.047 ug/l
RT: 3.721 min Scan# 43
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 43 Resp: 453316

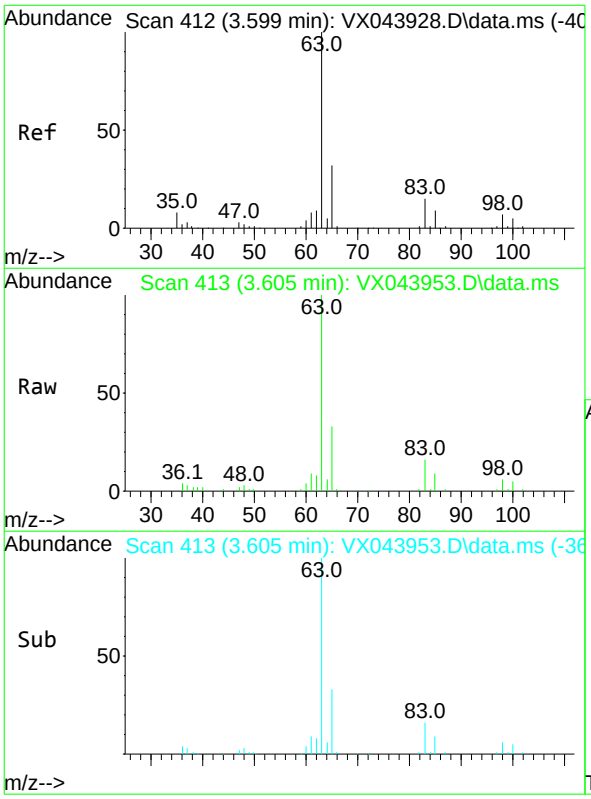
Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations
APPROVED

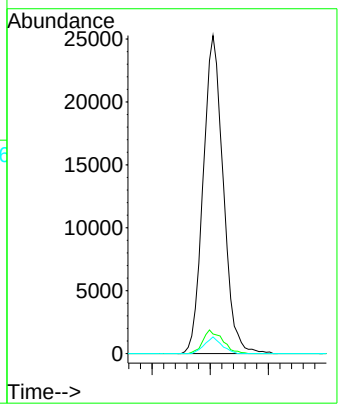
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

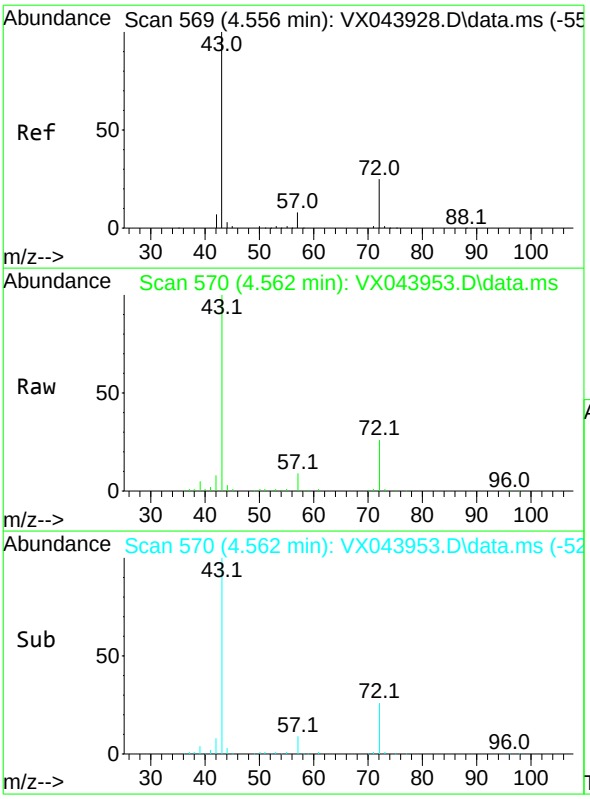


#24
1,1-Dichloroethane
Concen: 21.241 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 63 Resp: 60662

Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.5	10.6
100	5.2	2.4	7.1

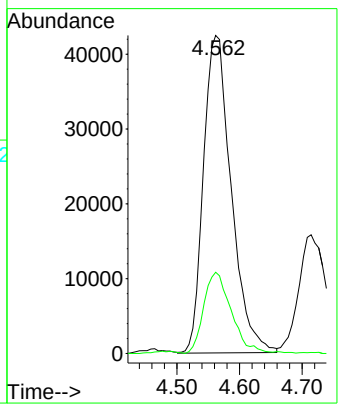




#25
2-Butanone
Concen: 104.675 ug/l
RT: 4.562 min Scan# 57
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 43 Resp: 130824

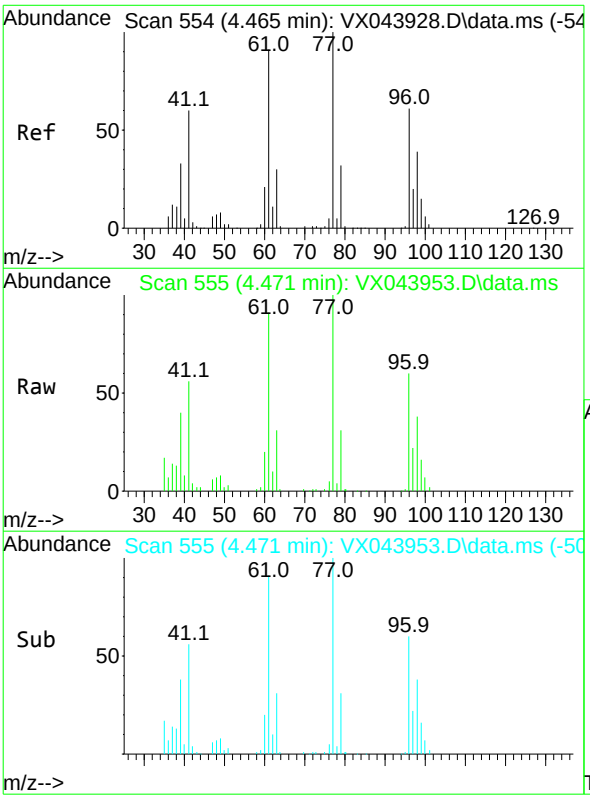
Ion	Ratio	Lower	Upper
43	100		
72	25.3	20.2	30.2



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations
APPROVED

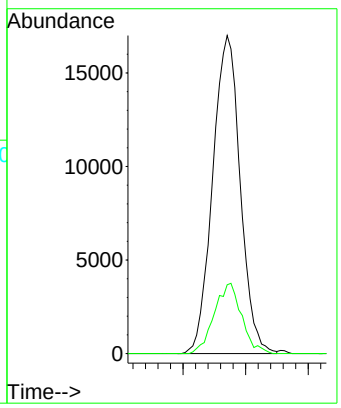
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

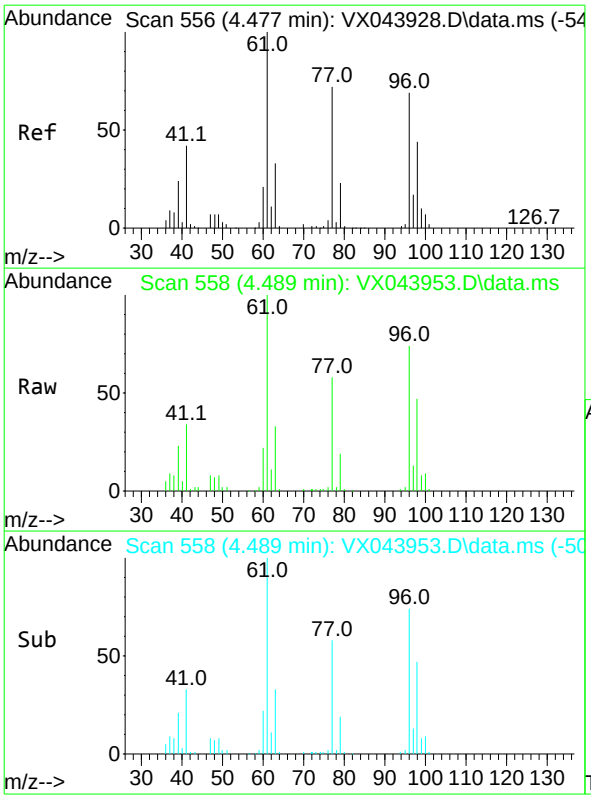


#26
2,2-Dichloropropane
Concen: 20.178 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 77 Resp: 52043

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.8	32.3





#27
cis-1,2-Dichloroethene
Concen: 20.783 ug/l
RT: 4.489 min Scan# 55
Delta R.T. 0.012 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

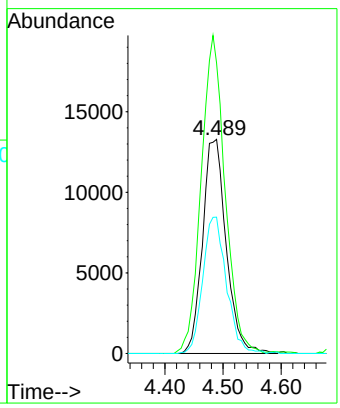
Tgt Ion: 96 Resp: 37579

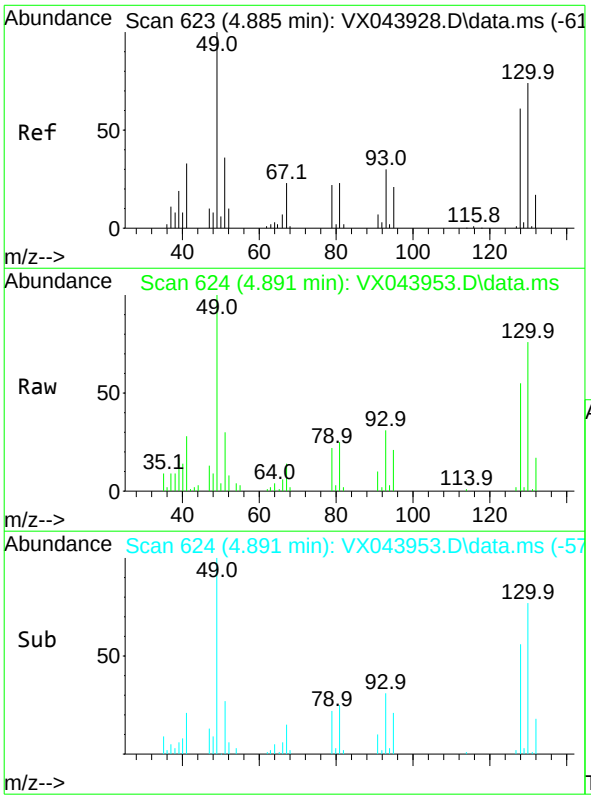
Ion	Ratio	Lower	Upper
96	100		
61	149.8	0.0	297.4
98	63.7	0.0	127.8

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

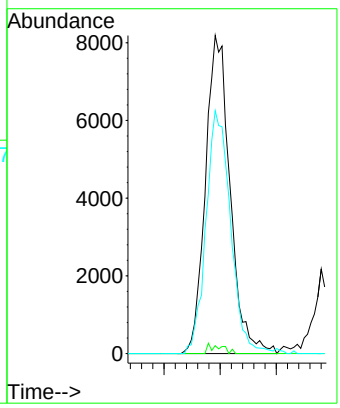


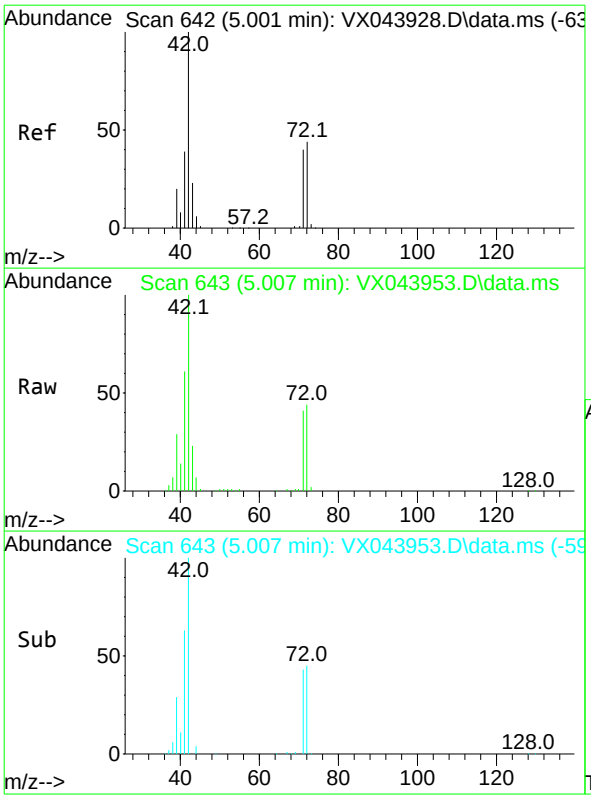


#28
Bromochloromethane
Concen: 19.846 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 49 Resp: 24947

Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	4.0
130	76.0	59.0	88.6





#29
Tetrahydrofuran
Concen: 103.164 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

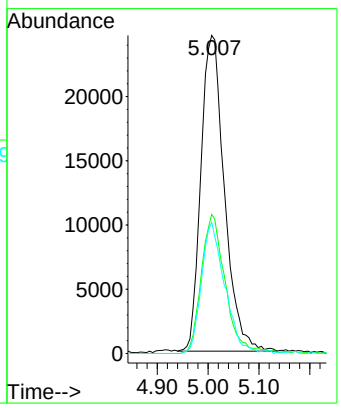
Tgt Ion: 42 Resp: 79046

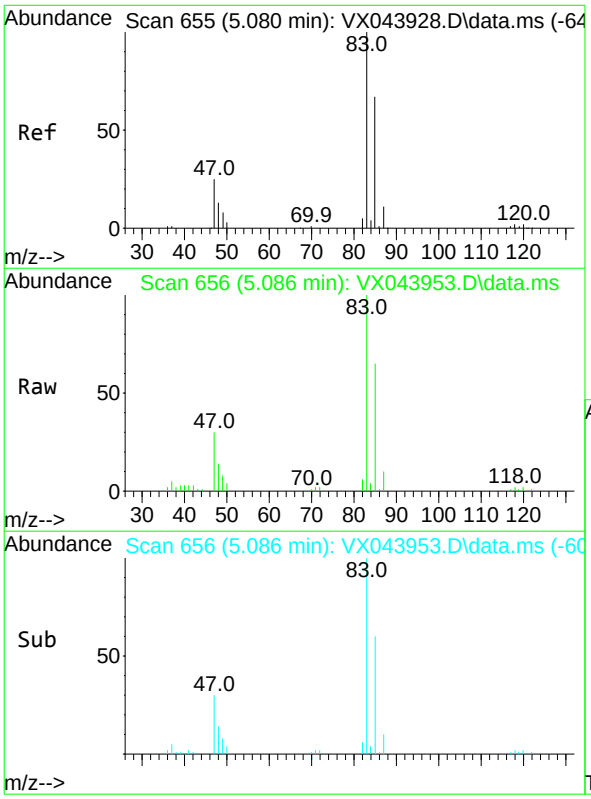
Ion	Ratio	Lower	Upper
42	100		
72	44.8	36.4	54.6
71	40.9	33.4	50.0

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

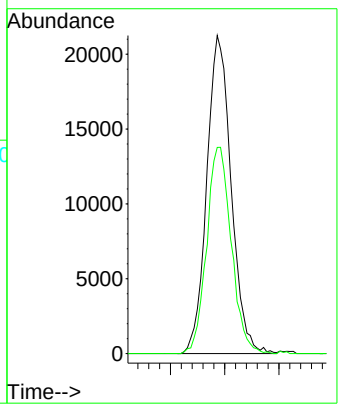


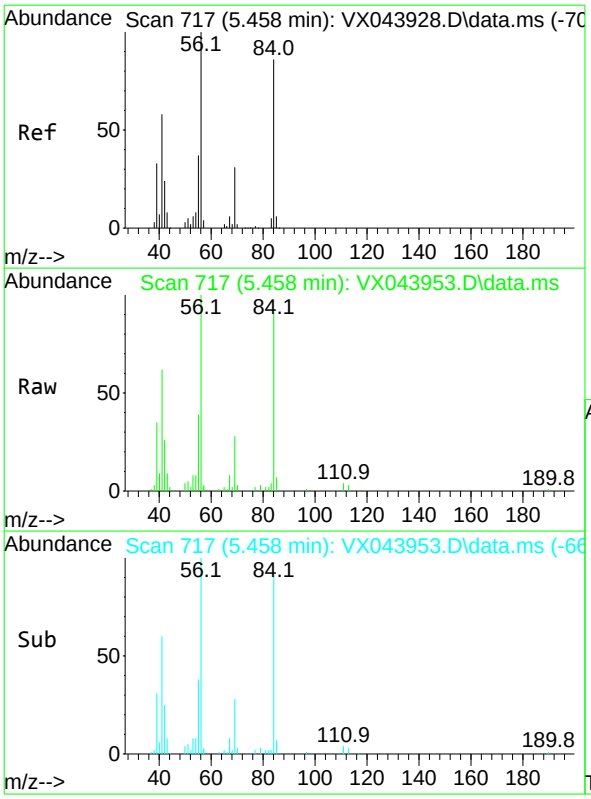


#30
Chloroform
Concen: 21.602 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 83 Resp: 66350

Ion	Ratio	Lower	Upper
83	100		
85	64.8	53.5	80.3





#31
Cyclohexane
Concen: 19.867 ug/l
RT: 5.458 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

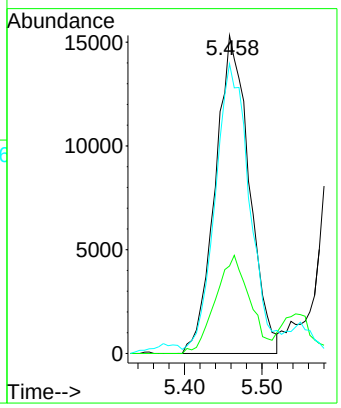
Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

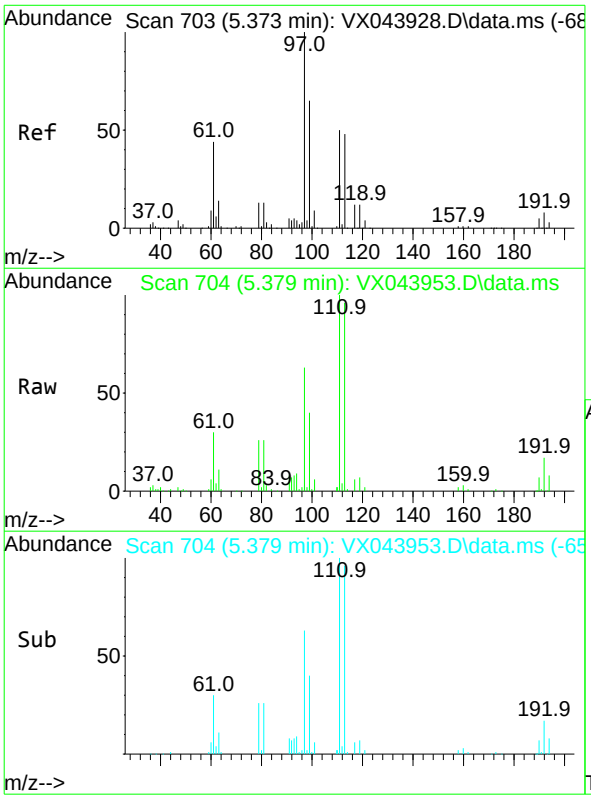
Tgt Ion: 56 Resp: 46697

Ion	Ratio	Lower	Upper
56	100		
69	27.5	24.7	37.1
84	88.5	68.7	103.1

Manual Integrations
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Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

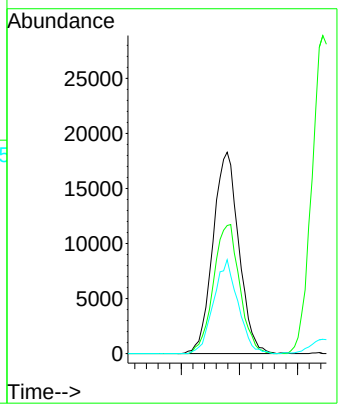


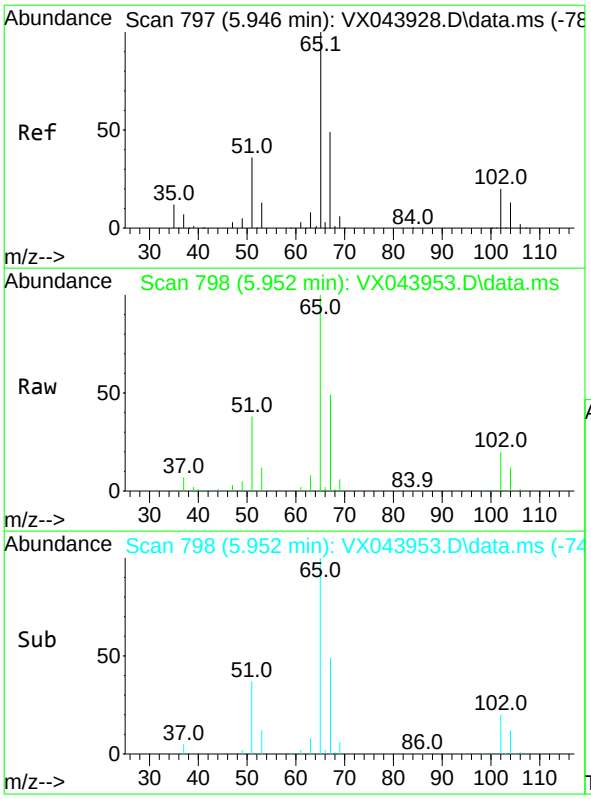


#32
1,1,1-Trichloroethane
Concen: 21.390 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 97 Resp: 56657

Ion	Ratio	Lower	Upper
97	100		
99	64.8	50.8	76.2
61	43.9	35.4	53.2





#33
1,2-Dichloroethane-d4
Concen: 53.986 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

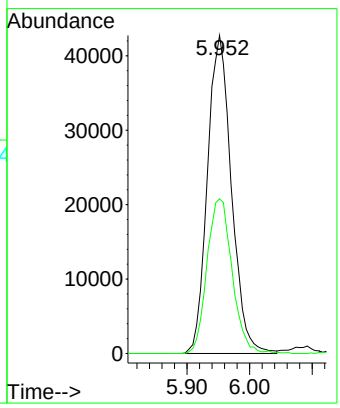
Tgt Ion: 65 Resp: 113852

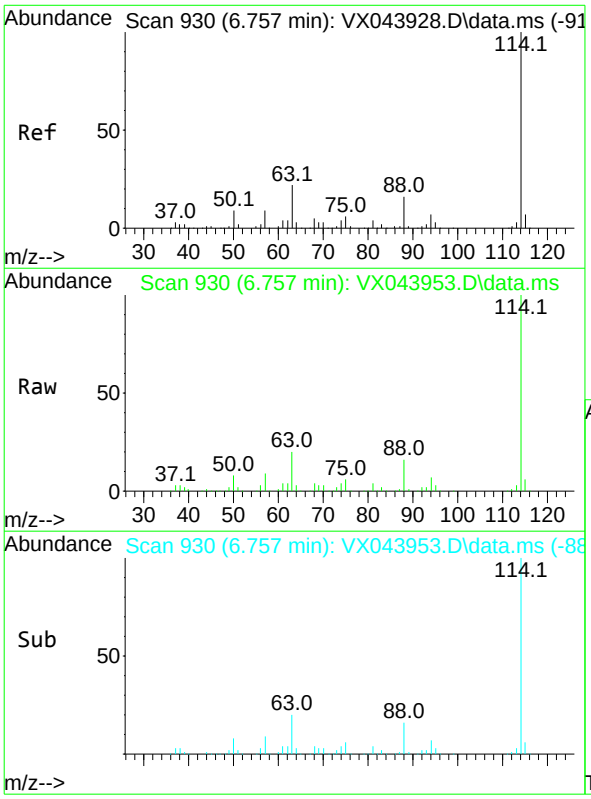
Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	100.8

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

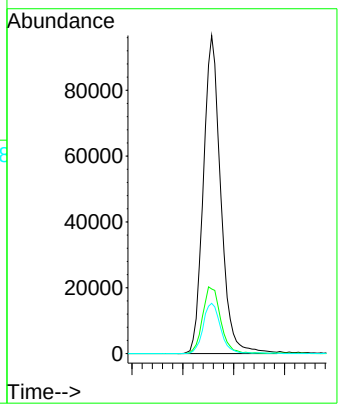


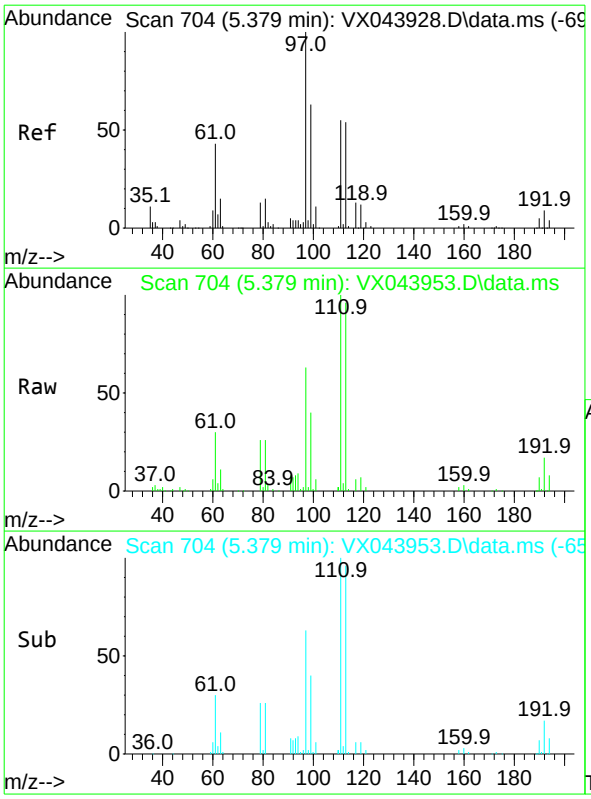


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:114 Resp: 229417

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	44.0
88	15.8	0.0	32.4





#35
Dibromofluoromethane
Concen: 50.452 ug/l
RT: 5.379 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

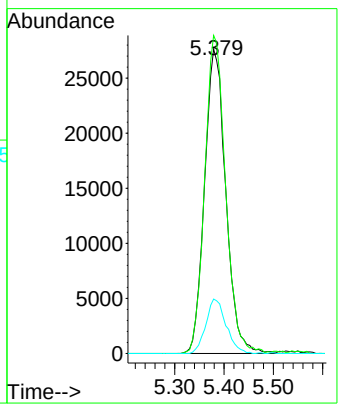
Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

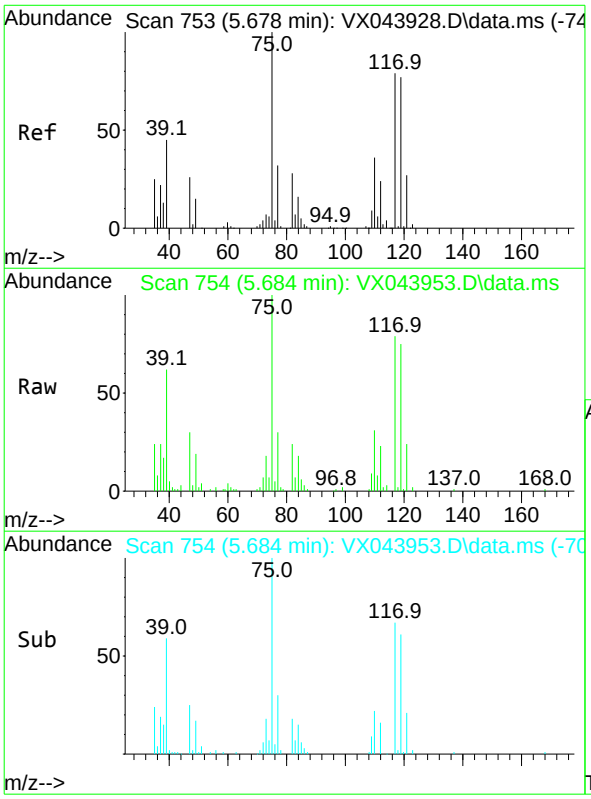
Tgt Ion:113 Resp: 82706

Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.0	121.4
192	17.0	13.0	19.6

Manual Integrations
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Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

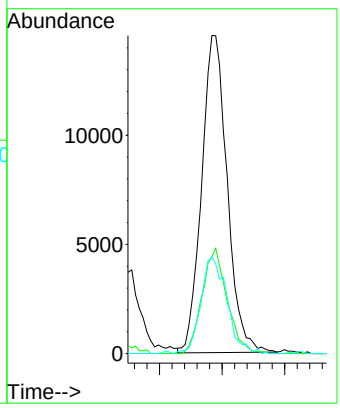


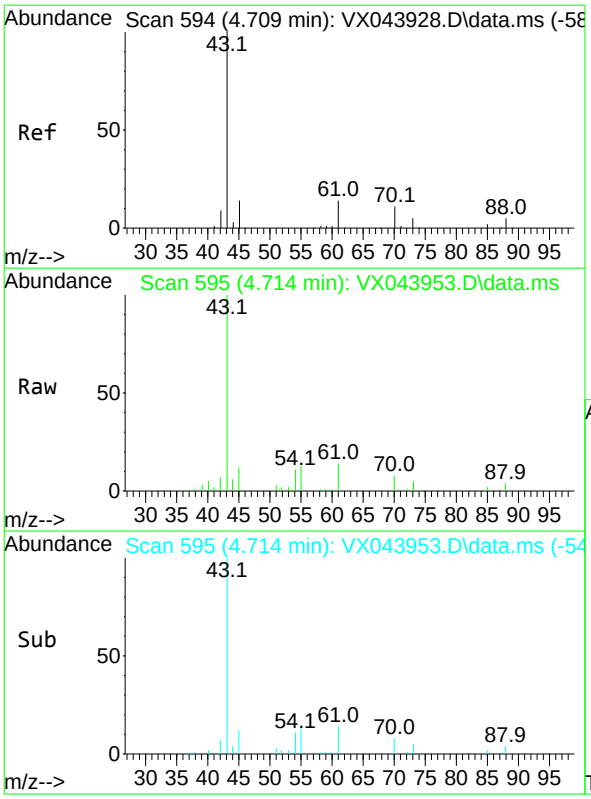


#36
1,1-Dichloropropene
Concen: 20.185 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 75 Resp: 41234

Ion	Ratio	Lower	Upper
75	100		
110	32.4	17.4	52.2
77	31.0	25.8	38.8





#37
Ethyl Acetate
Concen: 19.620 ug/l
RT: 4.714 min Scan# 59
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

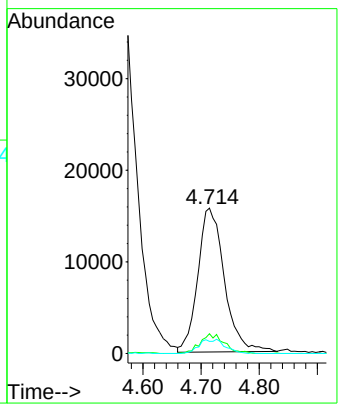
Tgt Ion: 43 Resp: 49752

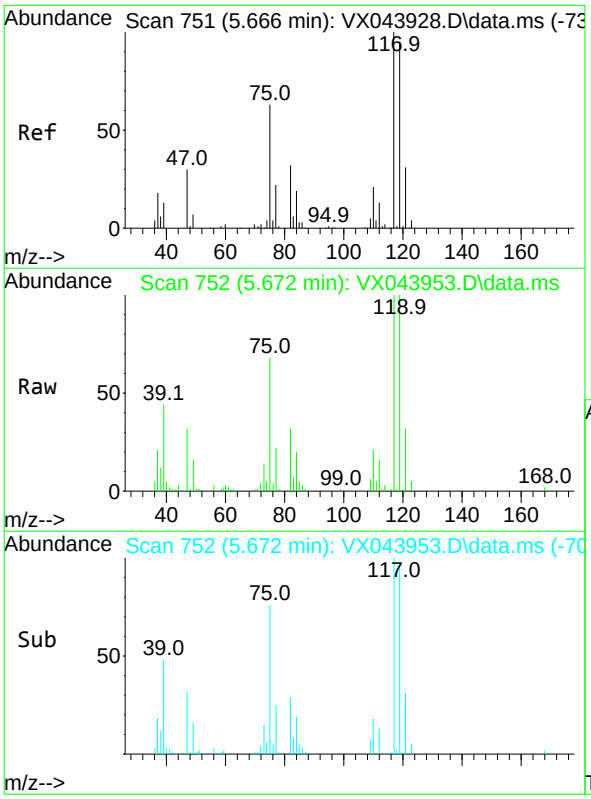
Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.7	16.1
70	4.4	8.0	12.0#

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations
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Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

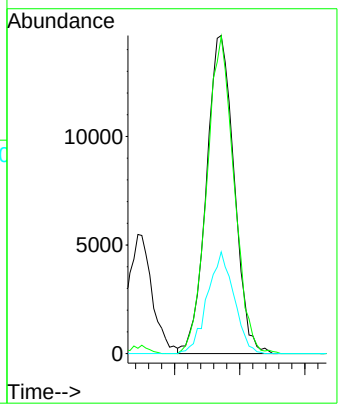


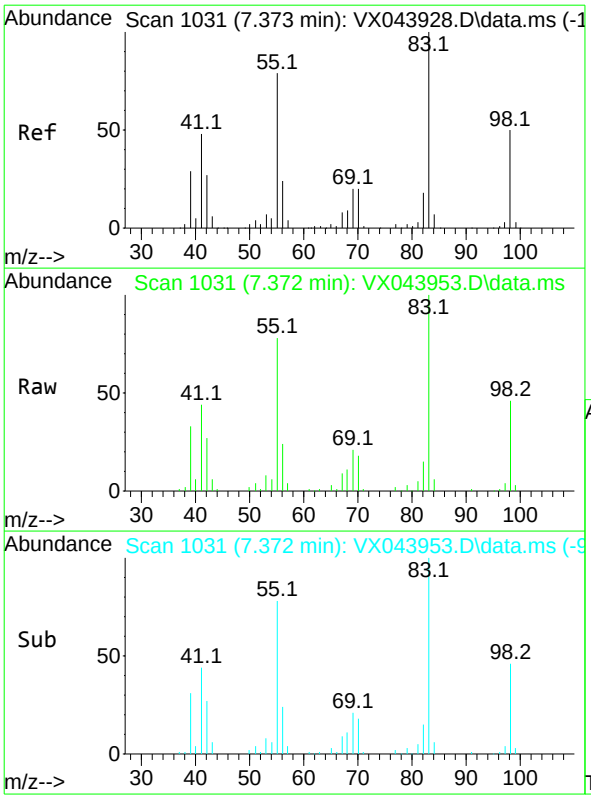


#38
Carbon Tetrachloride
Concen: 18.875 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:117 Resp: 43324

Ion	Ratio	Lower	Upper
117	100		
119	99.7	75.2	112.8
121	32.0	24.5	36.7





#39
Methylcyclohexane
Concen: 18.550 ug/l
RT: 7.372 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

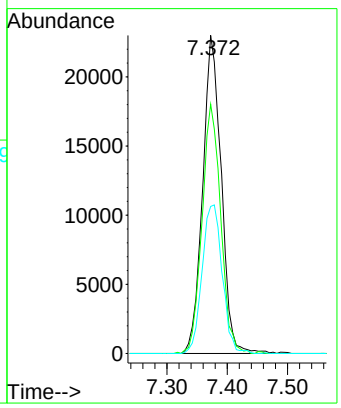
Tgt Ion: 83 Resp: 49229

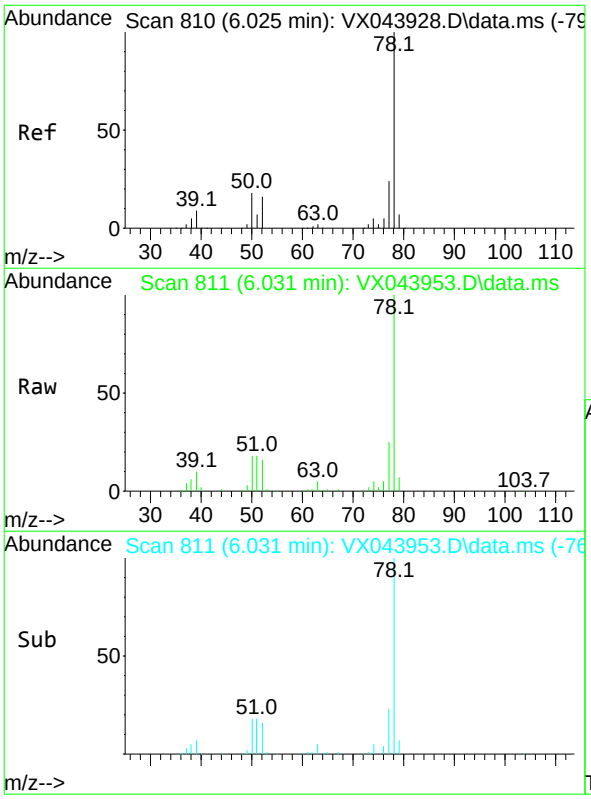
Ion	Ratio	Lower	Upper
83	100		
55	78.4	63.1	94.7
98	46.2	40.0	60.0

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

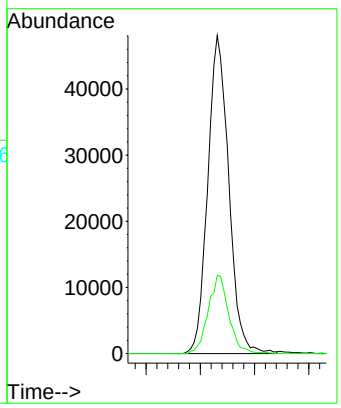


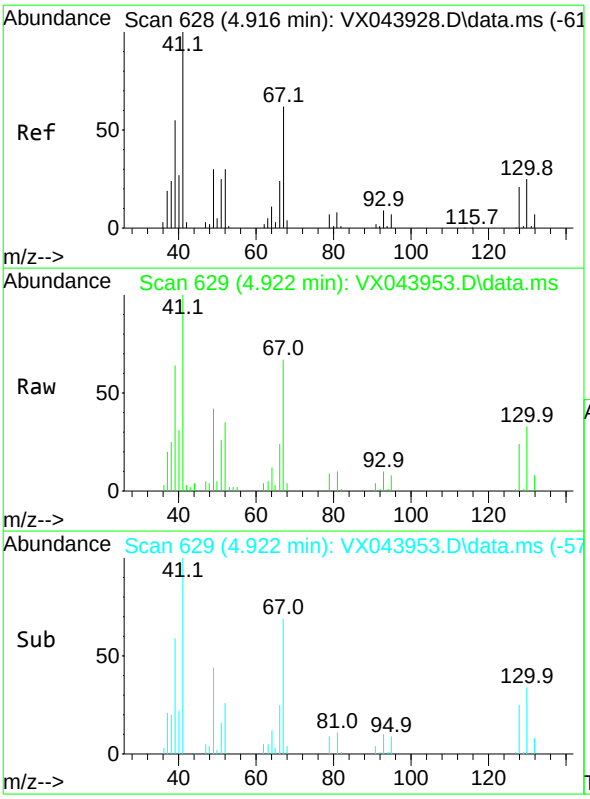


#40
Benzene
Concen: 20.319 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 78 Resp: 129291

Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.2	28.8

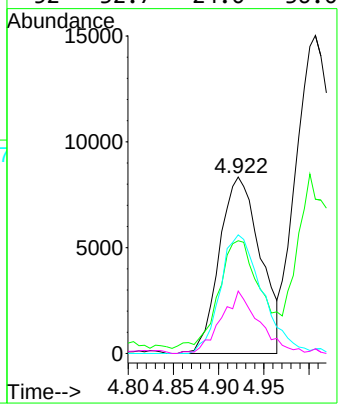




#41
Methacrylonitrile
Concen: 20.295 ug/l
RT: 4.922 min Scan# 62
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 41 Resp: 26340

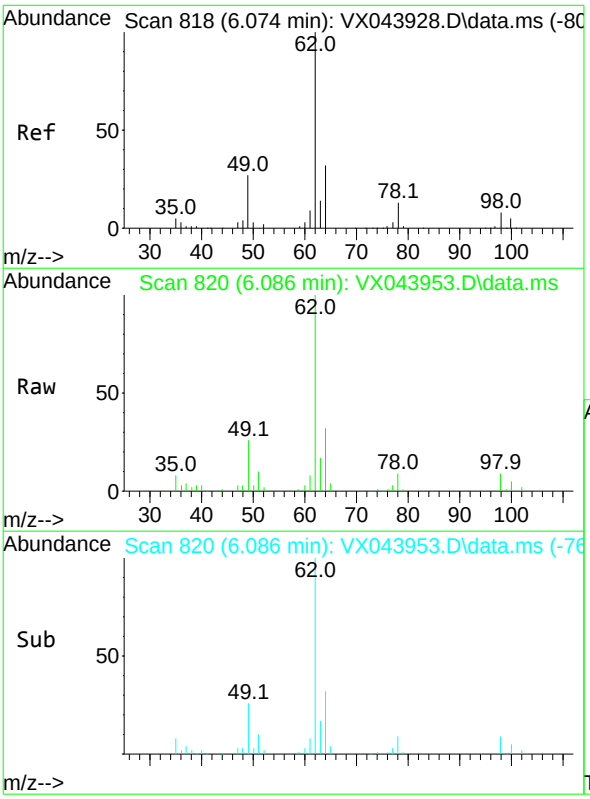
Ion	Ratio	Lower	Upper
41	100		
39	63.4	41.7	62.5#
67	69.9	55.8	83.8
52	32.7	24.0	36.0



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations
APPROVED

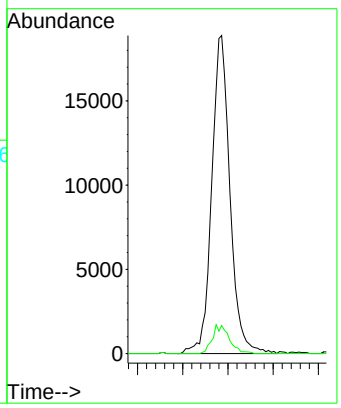
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

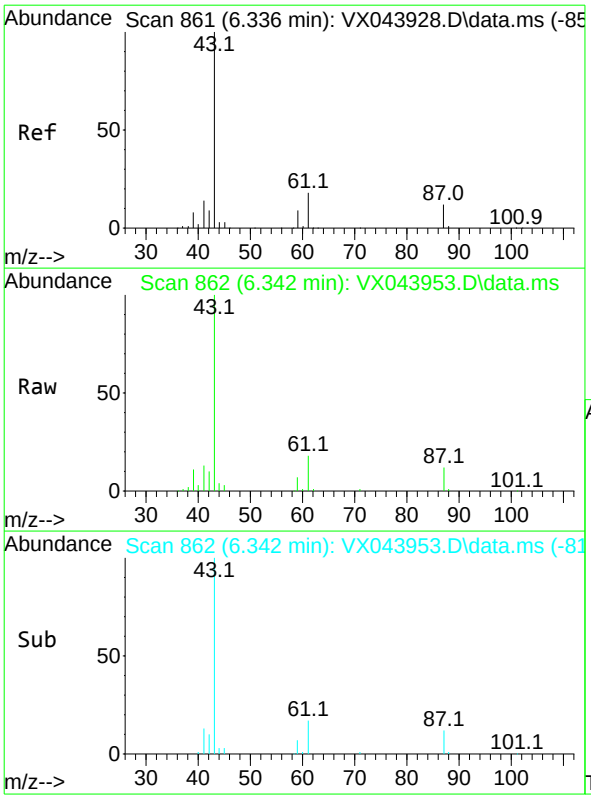


#42
1,2-Dichloroethane
Concen: 20.702 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.012 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 62 Resp: 52905

Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	16.4

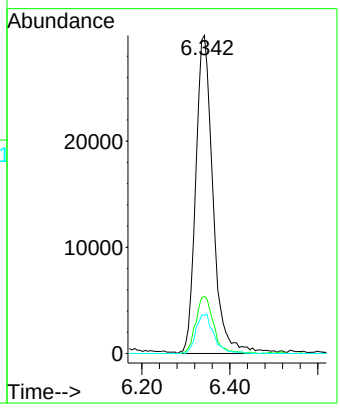




#43
Isopropyl Acetate
Concen: 20.264 ug/l
RT: 6.342 min Scan# 86
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 43 Resp: 81776

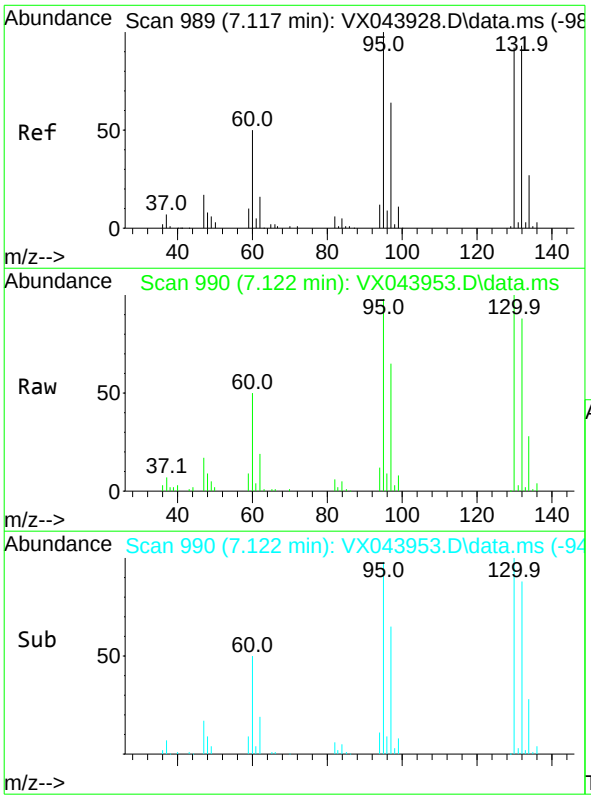
Ion	Ratio	Lower	Upper
43	100		
61	18.4	14.5	21.7
87	12.7	10.2	15.2



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations
APPROVED

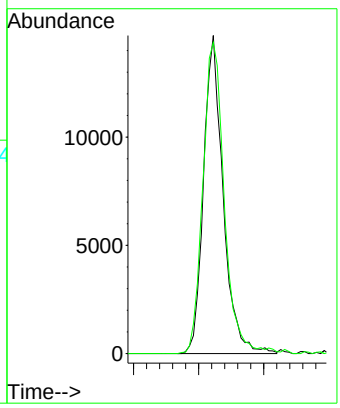
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

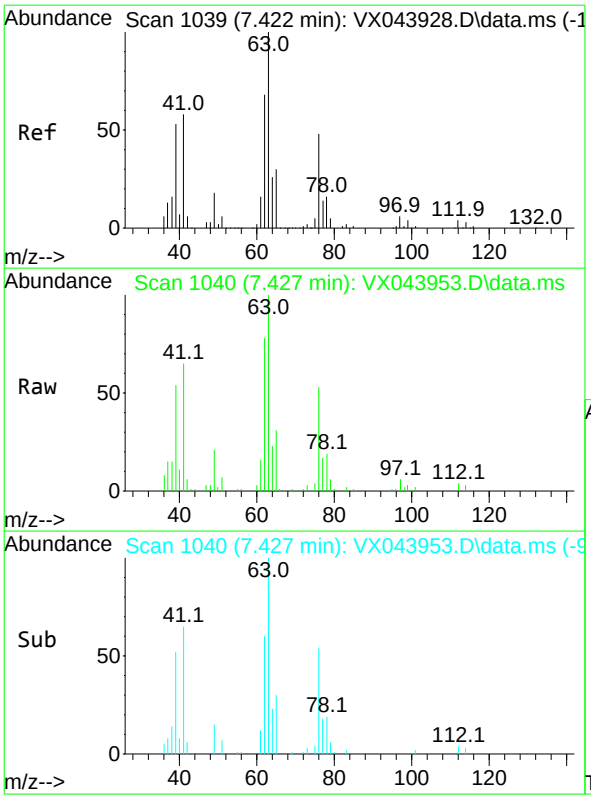


#44
Trichloroethene
Concen: 16.978 ug/l
RT: 7.122 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:130 Resp: 30582

Ion	Ratio	Lower	Upper
130	100		
95	97.8	0.0	217.8

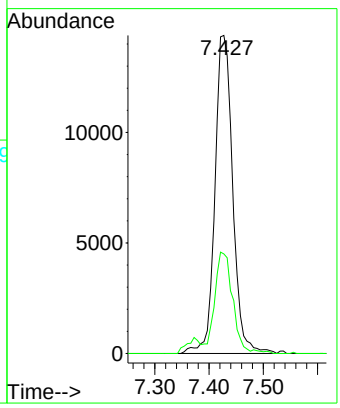




#45
1,2-Dichloropropane
Concen: 21.032 ug/l
RT: 7.427 min Scan# 10
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 63 Resp: 32777

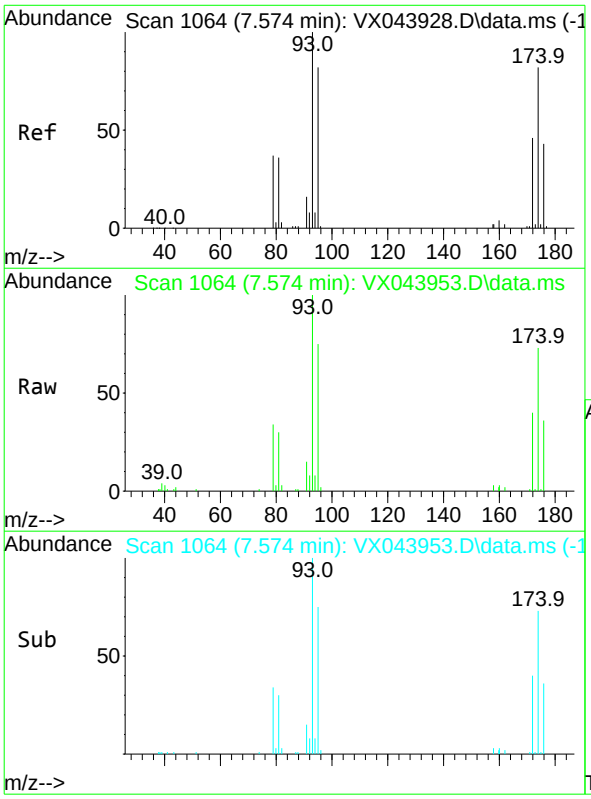
Ion	Ratio	Lower	Upper
63	100		
65	31.3	23.8	35.6



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations
APPROVED

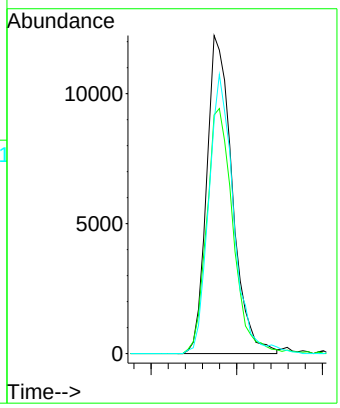
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

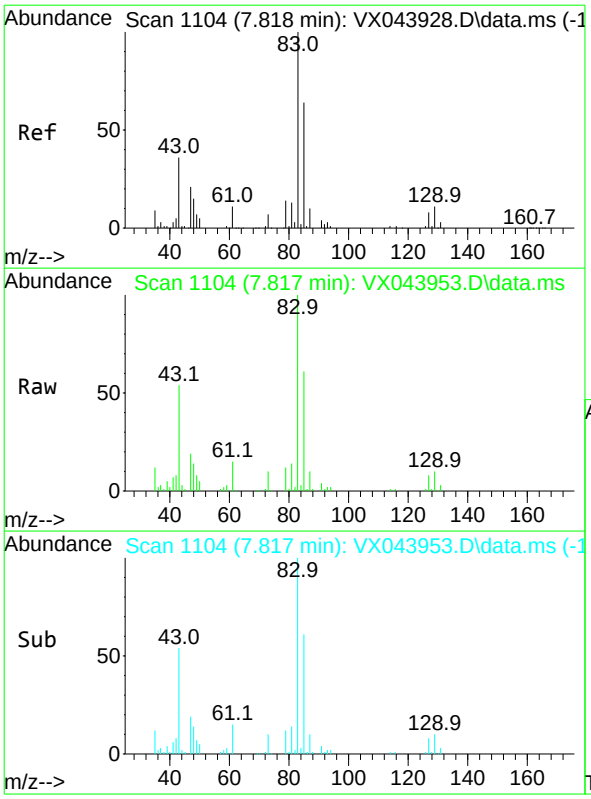


#46
Dibromomethane
Concen: 20.535 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 93 Resp: 25316

Ion	Ratio	Lower	Upper
93	100		
95	79.9	66.2	99.4
174	85.6	69.6	104.4

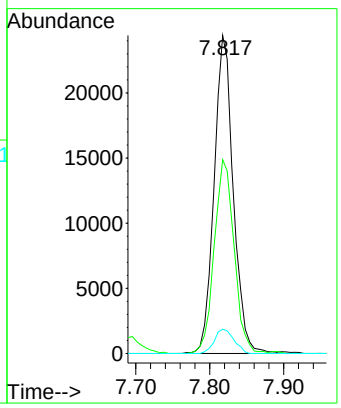




#47
Bromodichloromethane
Concen: 19.866 ug/l
RT: 7.817 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 83 Resp: 43925

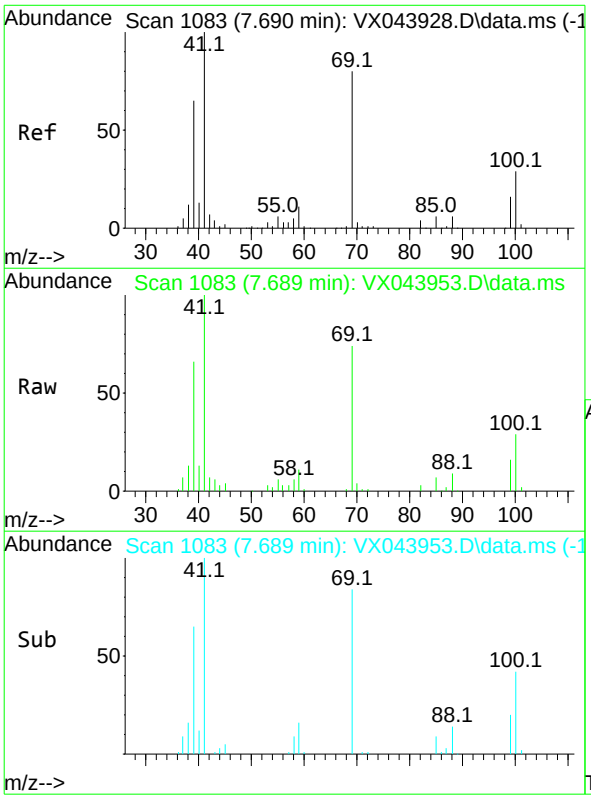
Ion	Ratio	Lower	Upper
83	100		
85	60.9	51.4	77.0
127	7.6	6.6	10.0



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations
APPROVED

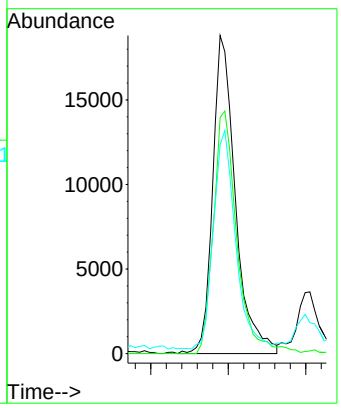
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

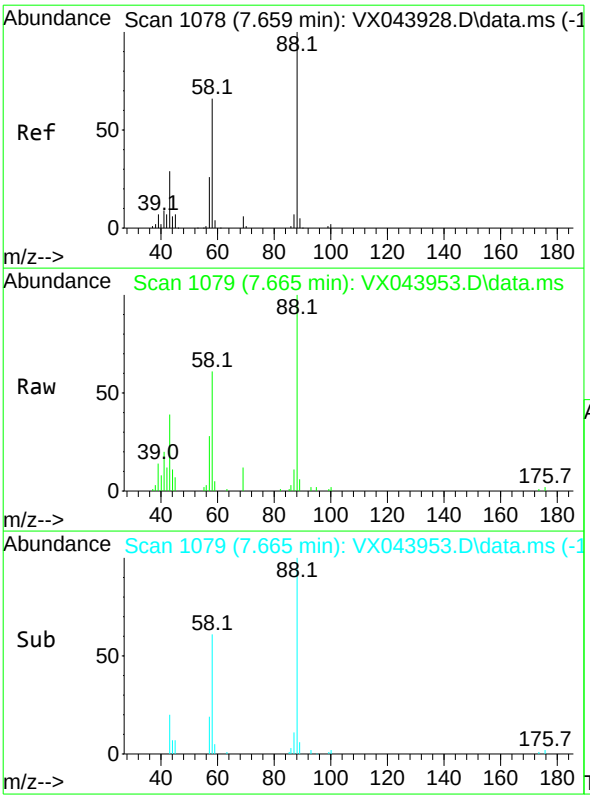


#48
Methyl methacrylate
Concen: 19.741 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 41 Resp: 38226

Ion	Ratio	Lower	Upper
41	100		
69	79.1	64.6	97.0
39	66.8	53.3	79.9

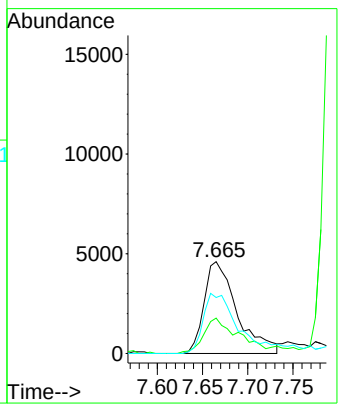




#49
1,4-Dioxane
Concen: 338.011 ug/l
RT: 7.665 min Scan# 10
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 88 Resp: 11659

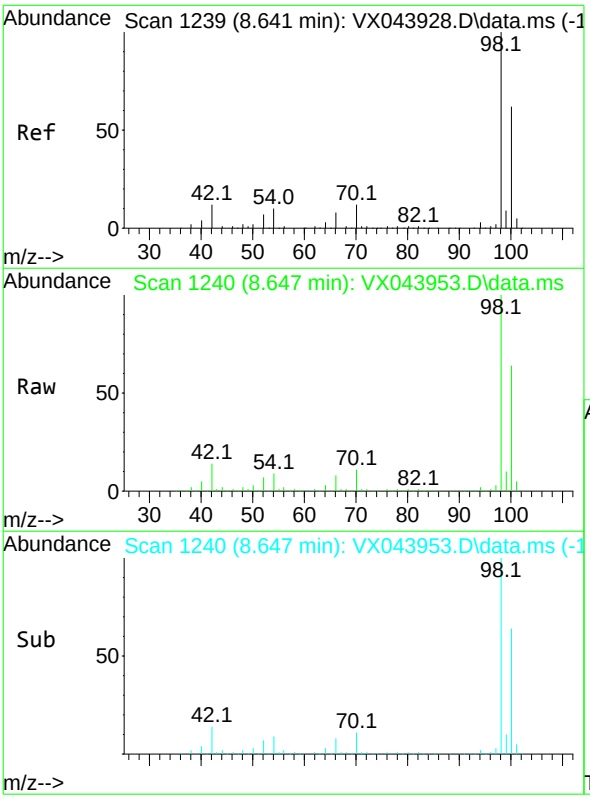
Ion	Ratio	Lower	Upper
88	100		
43	41.6	26.8	40.2#
58	74.4	45.4	68.2#



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations
APPROVED

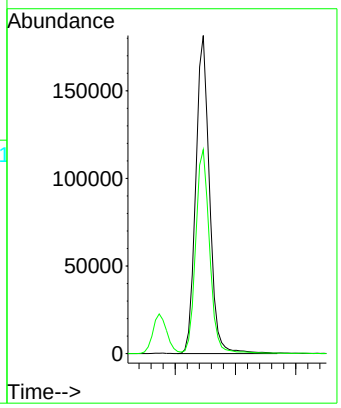
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

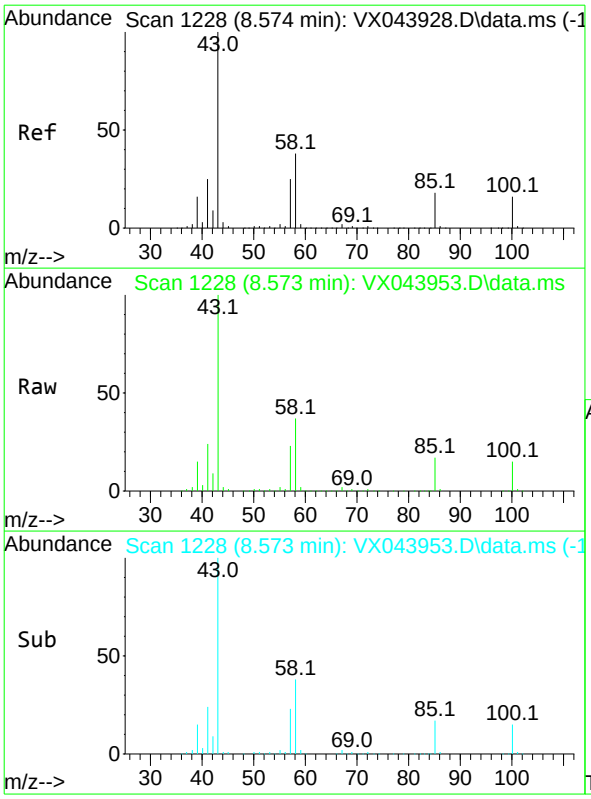


#50
Toluene-d8
Concen: 50.911 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 98 Resp: 287688

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.6	79.0





#51
4-Methyl-2-Pentanone
Concen: 100.883 ug/l
RT: 8.573 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

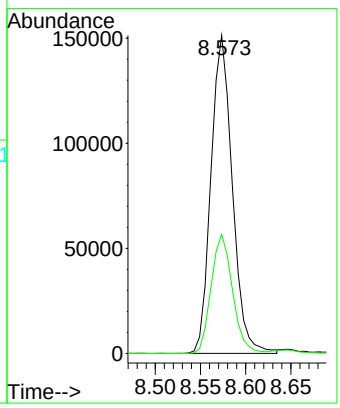
Tgt Ion: 43 Resp: 248440

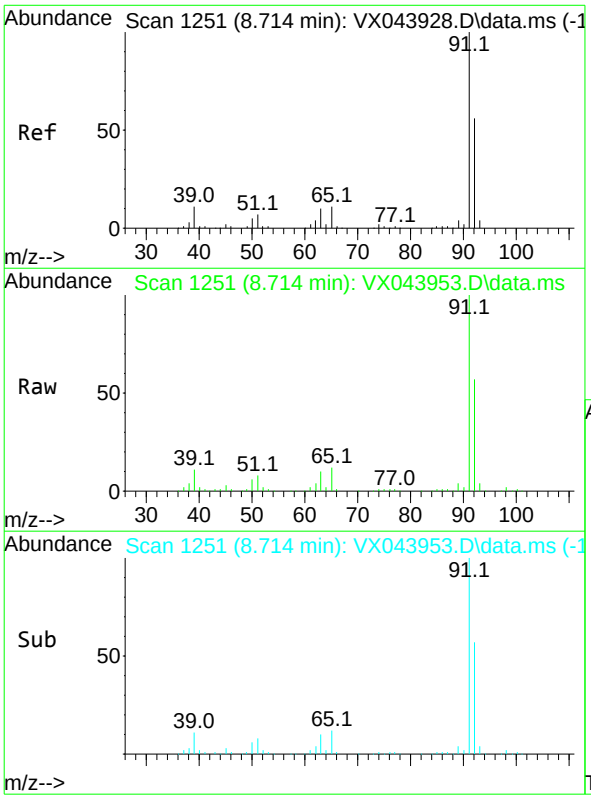
Ion	Ratio	Lower	Upper
43	100		
58	37.4	30.0	45.0

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

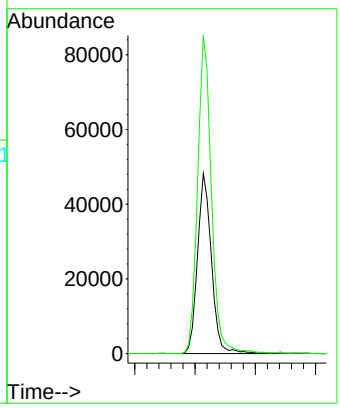


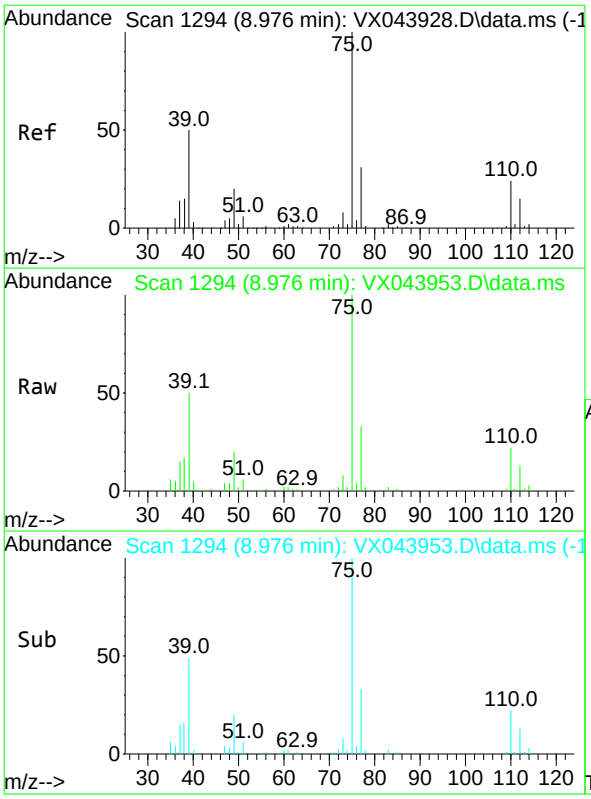


#52
Toluene
Concen: 20.351 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 92 Resp: 77505

Ion	Ratio	Lower	Upper
92	100		
91	175.1	139.7	209.5

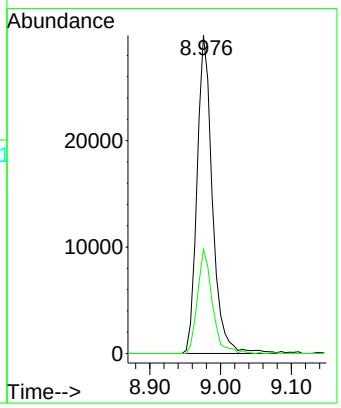




#53
t-1,3-Dichloropropene
Concen: 19.965 ug/l
RT: 8.976 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 75 Resp: 45015

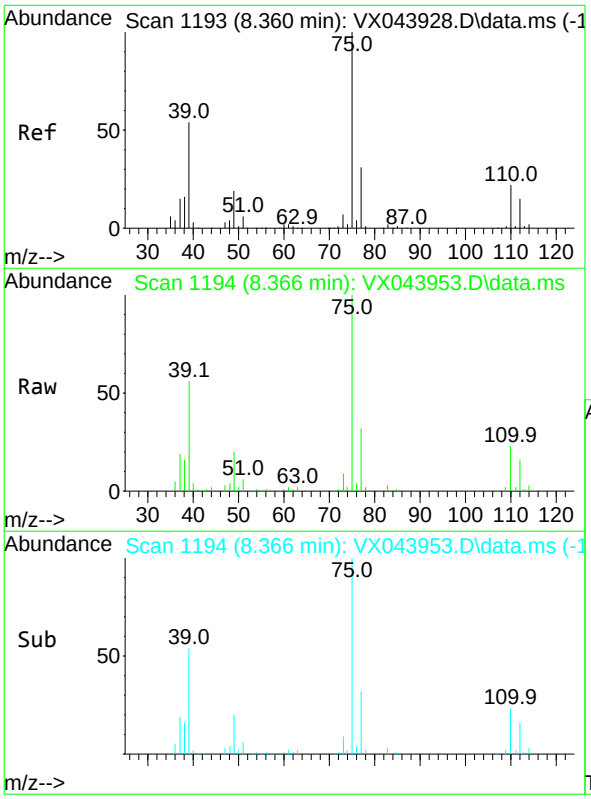
Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations
APPROVED

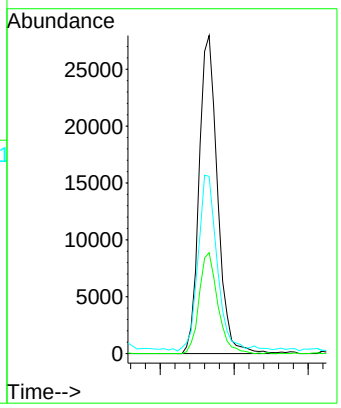
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

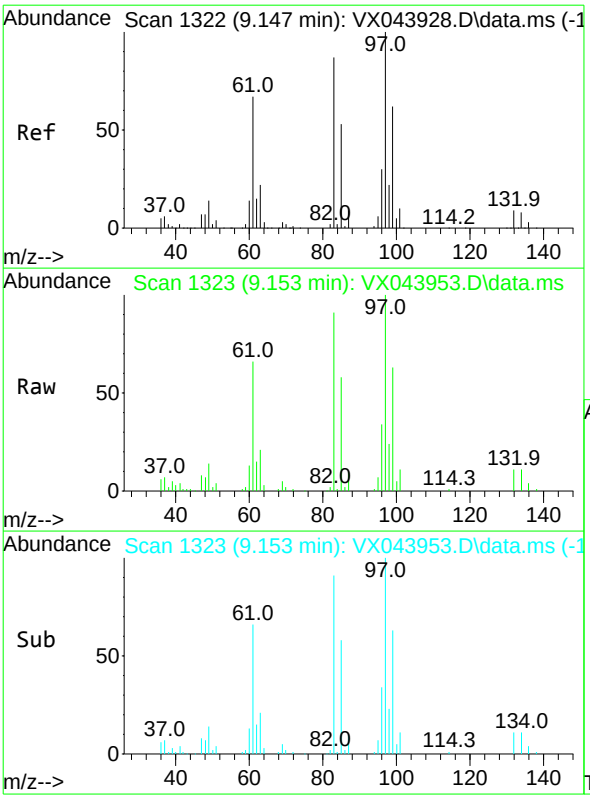


#54
cis-1,3-Dichloropropene
Concen: 19.572 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 75 Resp: 48377

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.2	37.8
39	54.9	43.1	64.7

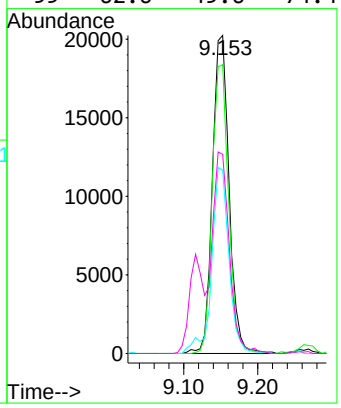




#55
1,1,2-Trichloroethane
Concen: 20.126 ug/l
RT: 9.153 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 97 Resp: 31640

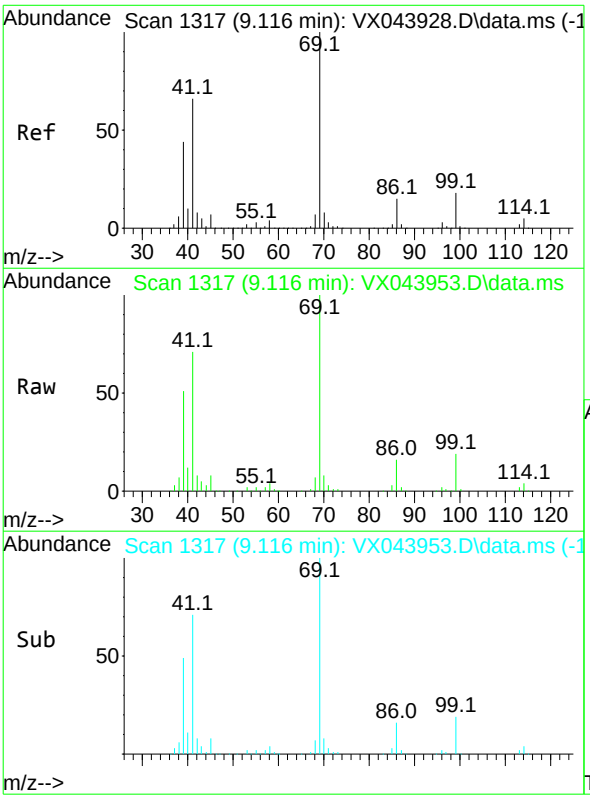
Ion	Ratio	Lower	Upper
97	100		
83	90.8	69.4	104.0
85	57.7	42.3	63.5
99	62.6	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations
APPROVED

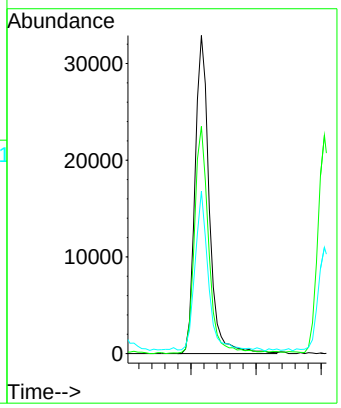
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

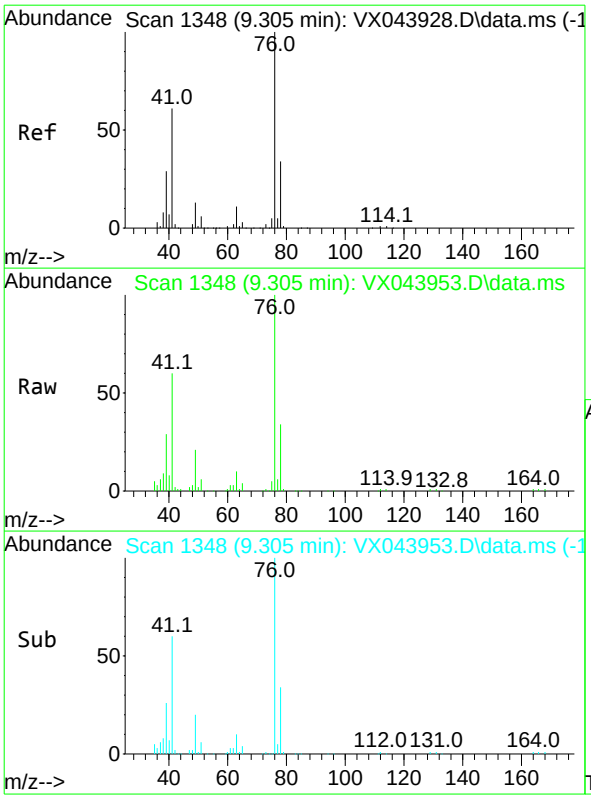


#56
Ethyl methacrylate
Concen: 20.380 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 69 Resp: 49905

Ion	Ratio	Lower	Upper
69	100		
41	71.1	55.8	83.8
39	47.7	36.7	55.1





#57
1,3-Dichloropropane
Concen: 20.993 ug/l
RT: 9.305 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

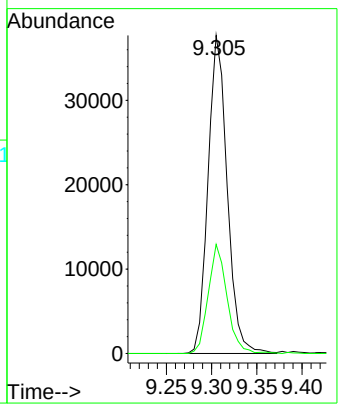
Tgt Ion: 76 Resp: 55597

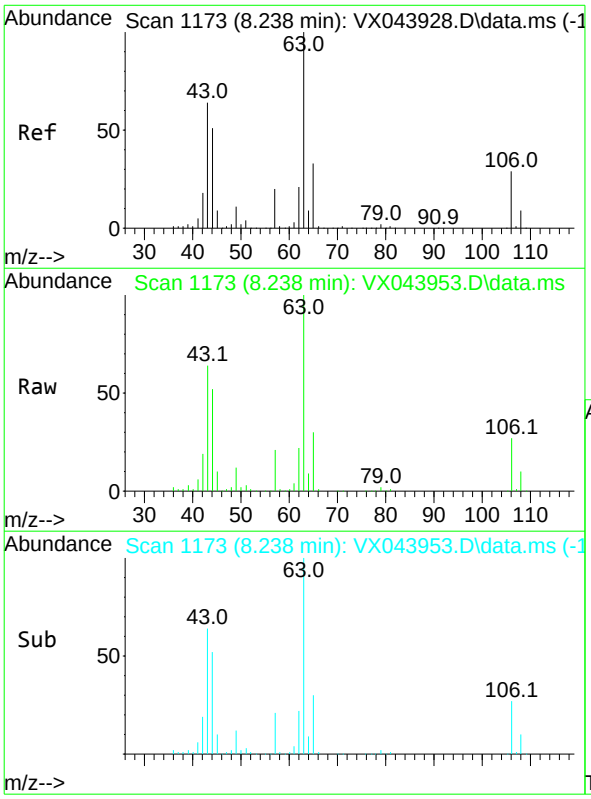
Ion	Ratio	Lower	Upper
76	100		
78	33.7	26.0	39.0

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations
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Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

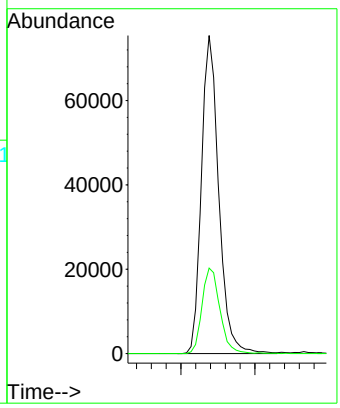


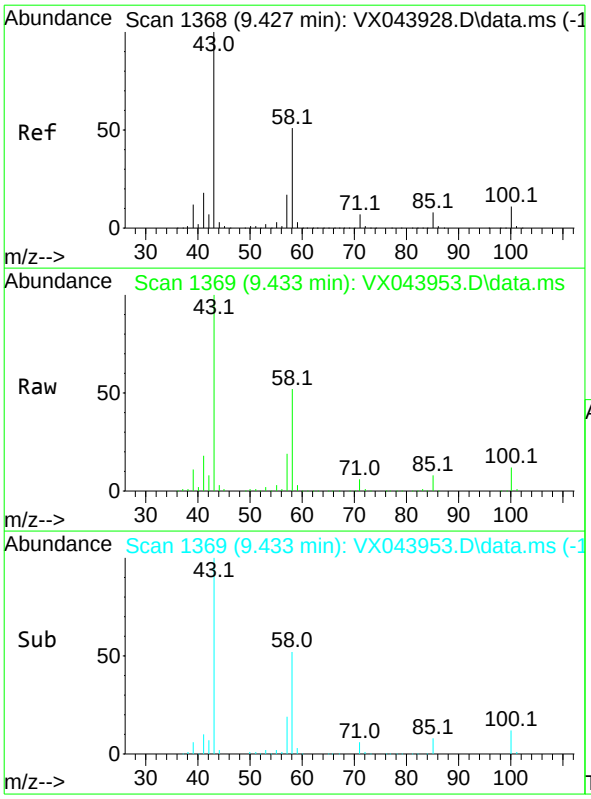


#58
2-Chloroethyl Vinyl ether
Concen: 90.630 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 63 Resp: 122520

Ion	Ratio	Lower	Upper
63	100		
106	27.6	23.0	34.6





#59
2-Hexanone
Concen: 100.633 ug/l
RT: 9.433 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

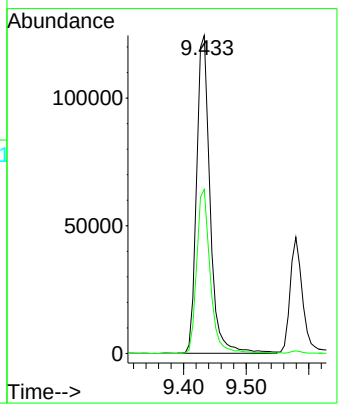
Tgt Ion: 43 Resp: 186272

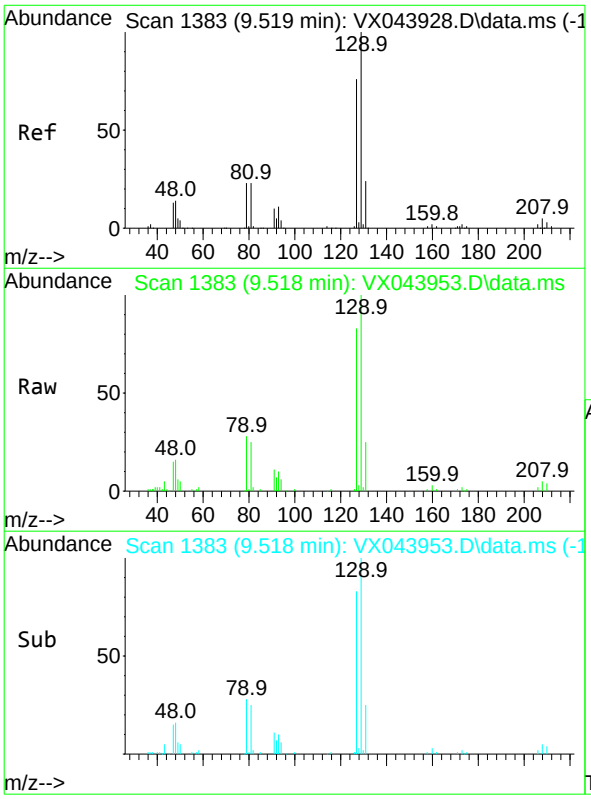
Ion	Ratio	Lower	Upper
43	100		
58	52.1	25.9	77.6

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations
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Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

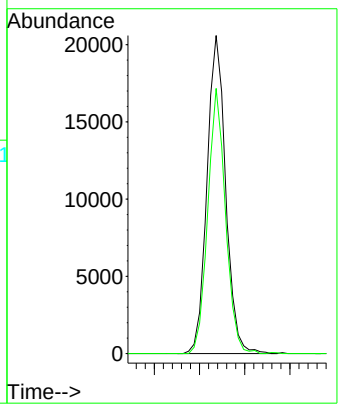


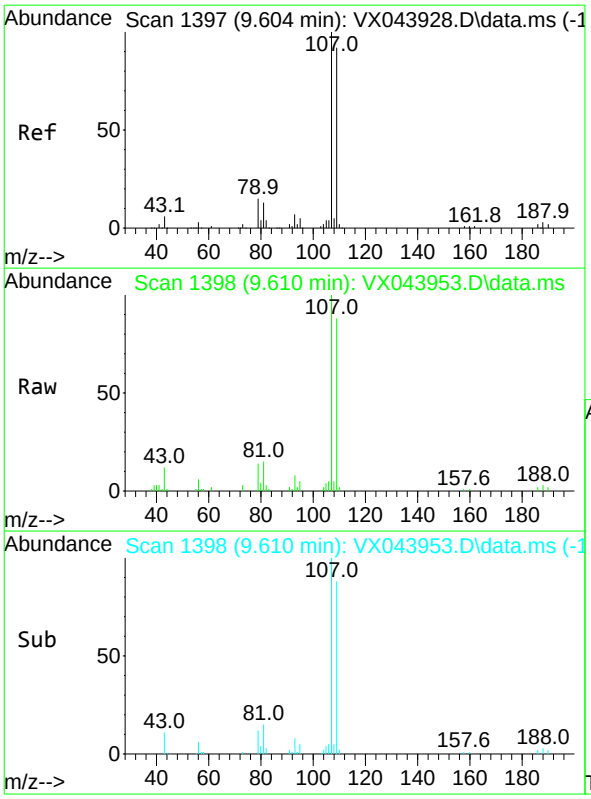


#60
Dibromochloromethane
Concen: 18.733 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:129 Resp: 29549

Ion	Ratio	Lower	Upper
129	100		
127	78.9	38.2	114.6





#61
1,2-Dibromoethane
Concen: 20.465 ug/l
RT: 9.610 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

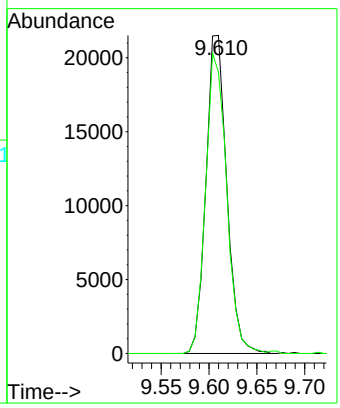
Tgt Ion:107 Resp: 32532

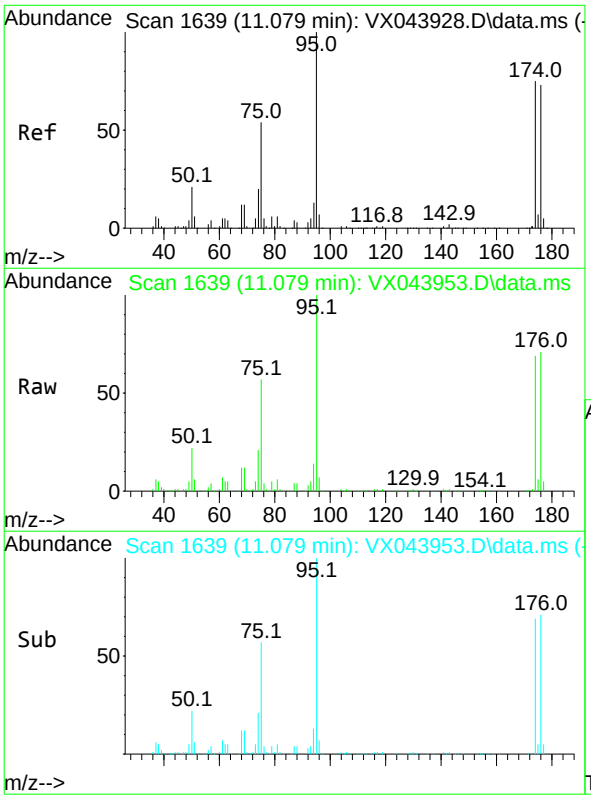
Ion	Ratio	Lower	Upper
107	100		
109	95.7	75.2	112.8

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations
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Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

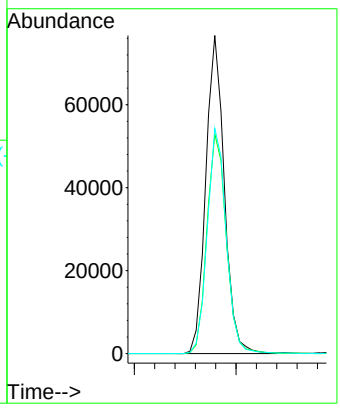


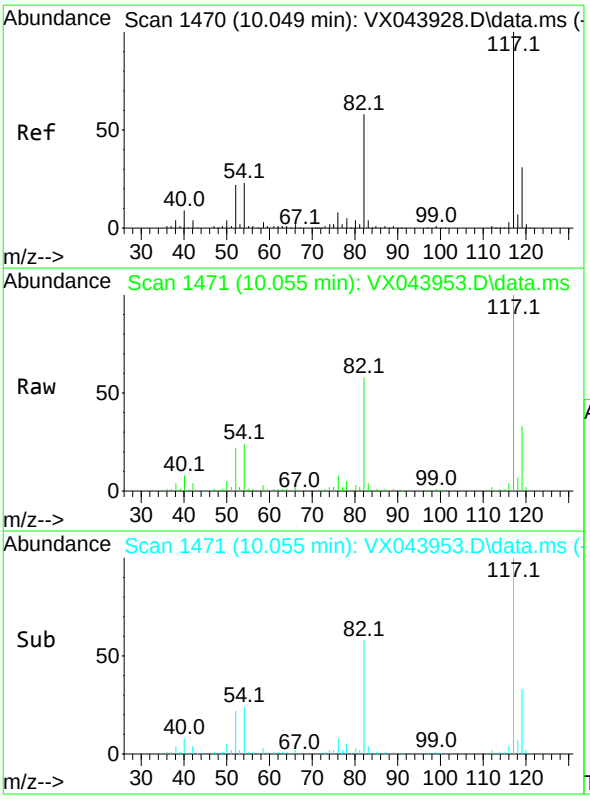


#62
4-Bromofluorobenzene
Concen: 50.392 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 95 Resp: 96910

Ion	Ratio	Lower	Upper
95	100		
174	72.1	0.0	150.4
176	72.2	0.0	146.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

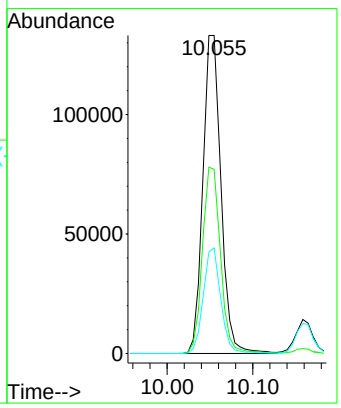
Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

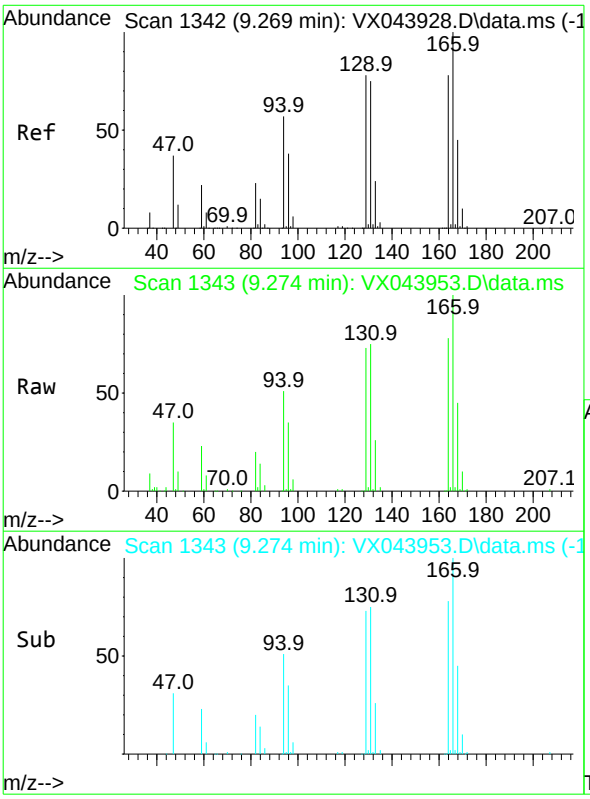
Tgt Ion:117 Resp: 195535

Ion	Ratio	Lower	Upper
117	100		
82	57.9	46.4	69.6
119	33.2	24.6	37.0

Manual Integrations
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Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

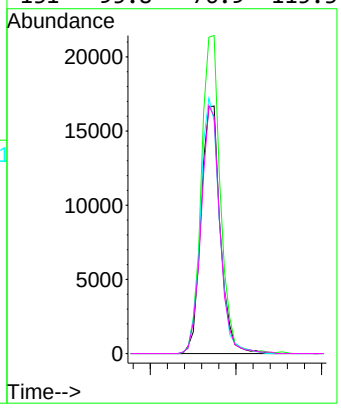


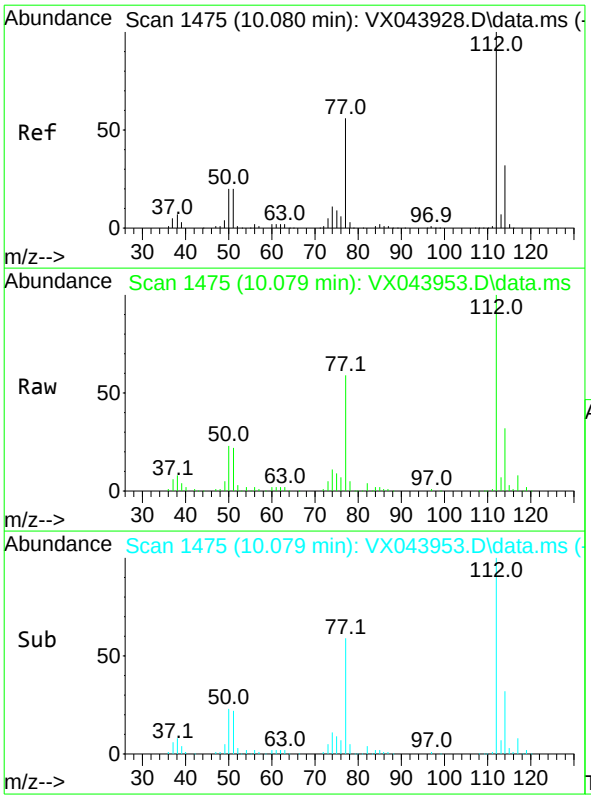


#64
Tetrachloroethene
Concen: 20.270 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:164 Resp: 26135

Ion	Ratio	Lower	Upper
164	100		
166	128.5	102.1	153.1
129	94.0	79.6	119.4
131	95.8	76.9	115.3

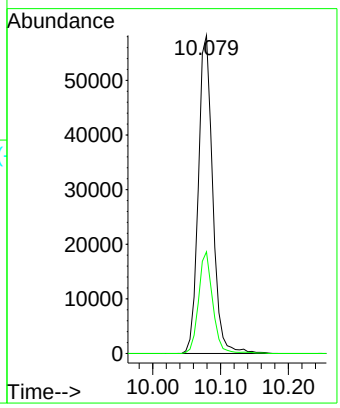




#65
Chlorobenzene
Concen: 19.908 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:112 Resp: 85495

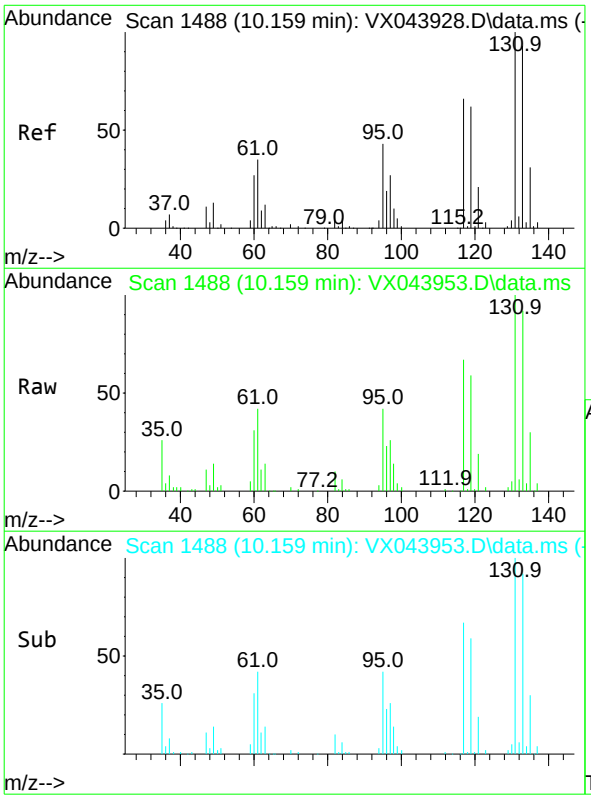
Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations
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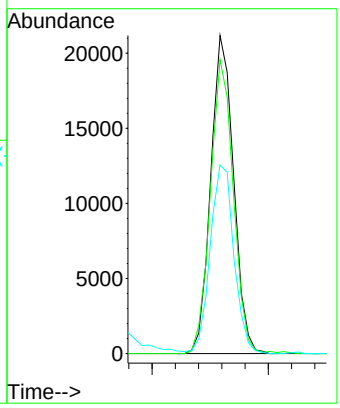
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

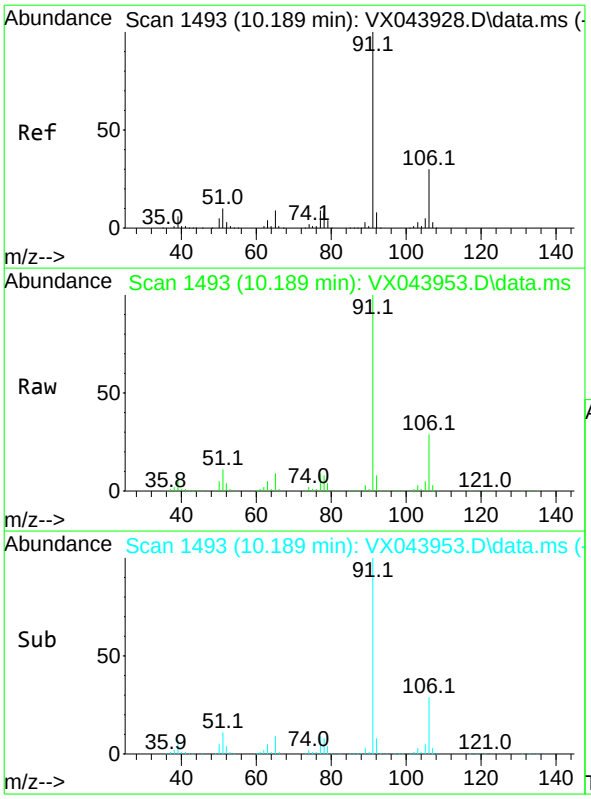


#66
1,1,1,2-Tetrachloroethane
Concen: 20.737 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:131 Resp: 28882

Ion	Ratio	Lower	Upper
131	100		
133	93.3	48.2	144.6
119	61.7	31.5	94.5





#67
Ethyl Benzene
Concen: 20.404 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

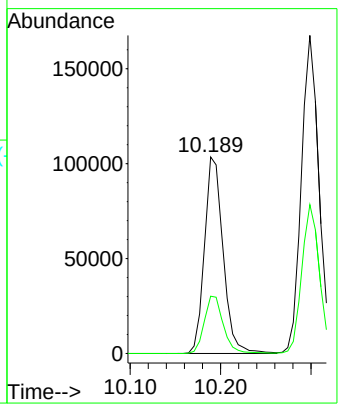
Tgt Ion: 91 Resp: 148481

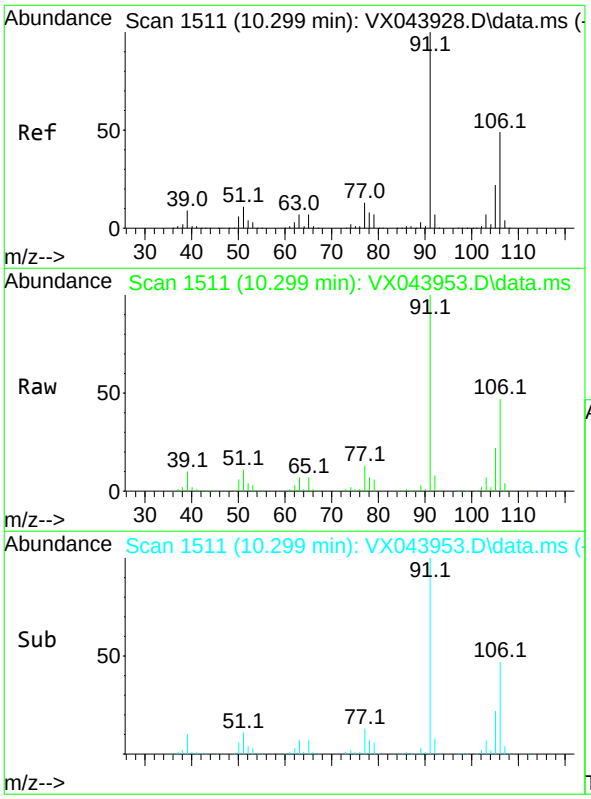
Ion	Ratio	Lower	Upper
91	100		
106	29.1	23.6	35.4

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations
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Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

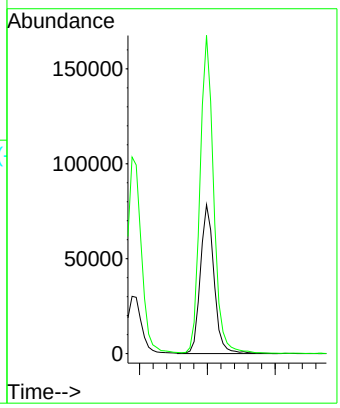


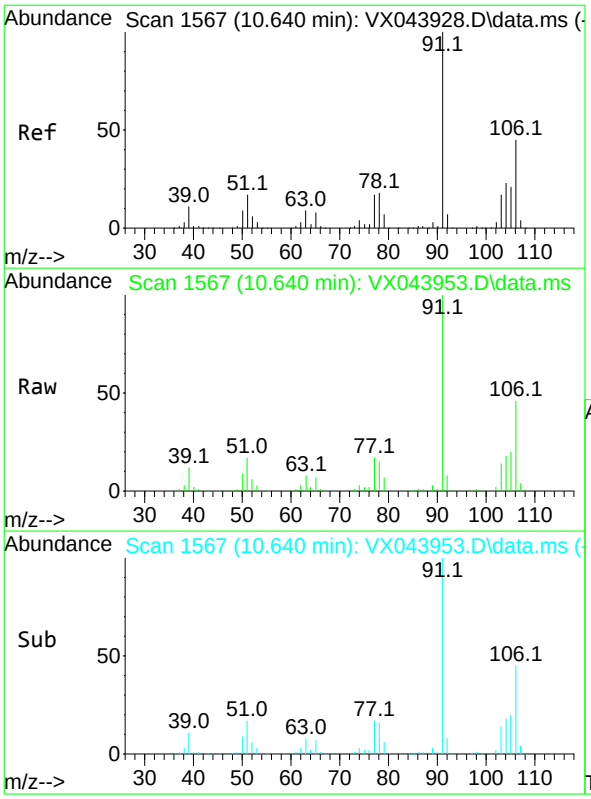


#68
m/p-Xylenes
Concen: 40.309 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:106 Resp: 109390

Ion	Ratio	Lower	Upper
106	100		
91	212.7	168.1	252.1

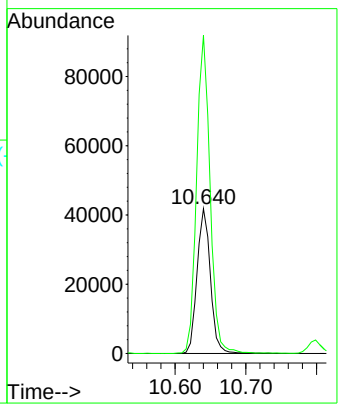




#69
o-Xylene
Concen: 20.665 ug/l
RT: 10.640 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:106 Resp: 54754

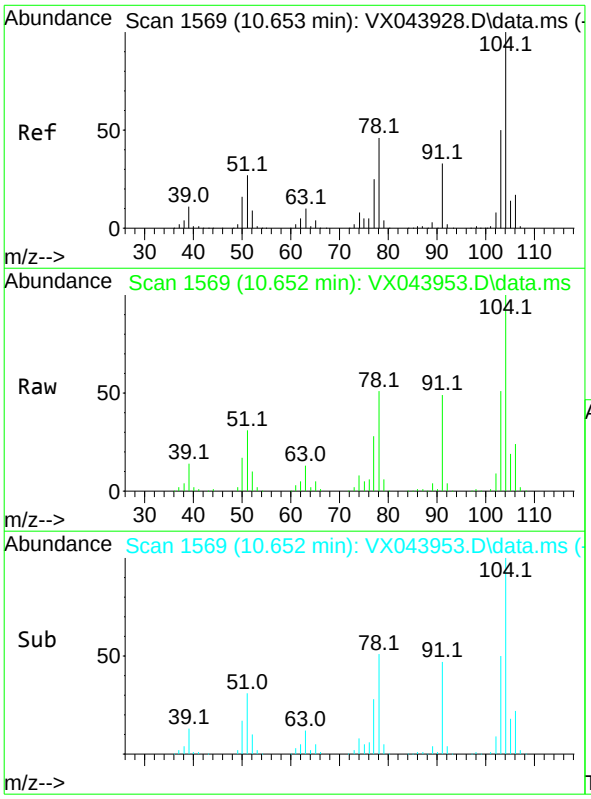
Ion	Ratio	Lower	Upper
106	100		
91	221.6	110.2	330.6



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations
APPROVED

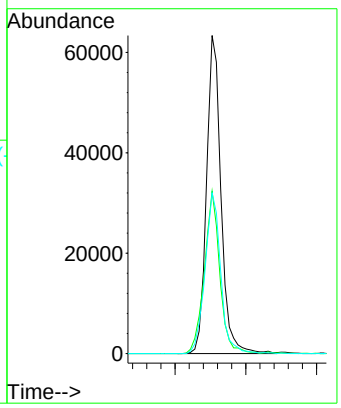
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

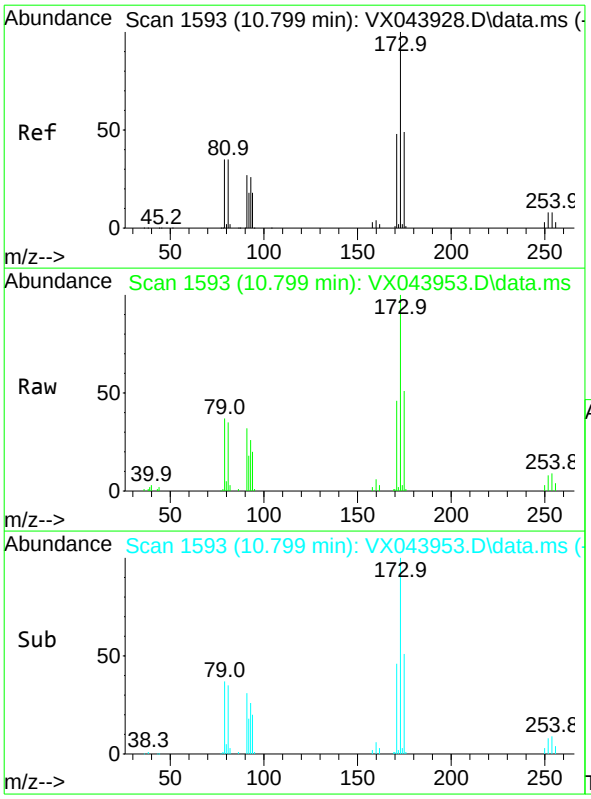


#70
Styrene
Concen: 20.579 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:104 Resp: 90186

Ion	Ratio	Lower	Upper
104	100		
78	54.3	42.2	63.2
103	54.7	44.7	67.1

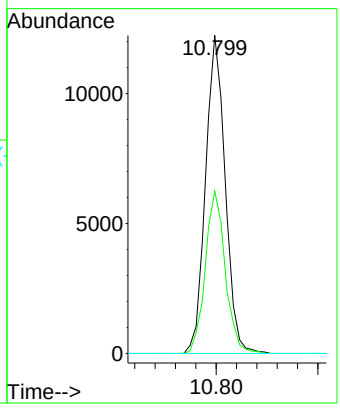




#71
Bromoform
Concen: 16.936 ug/l
RT: 10.799 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:173 Resp: 16436

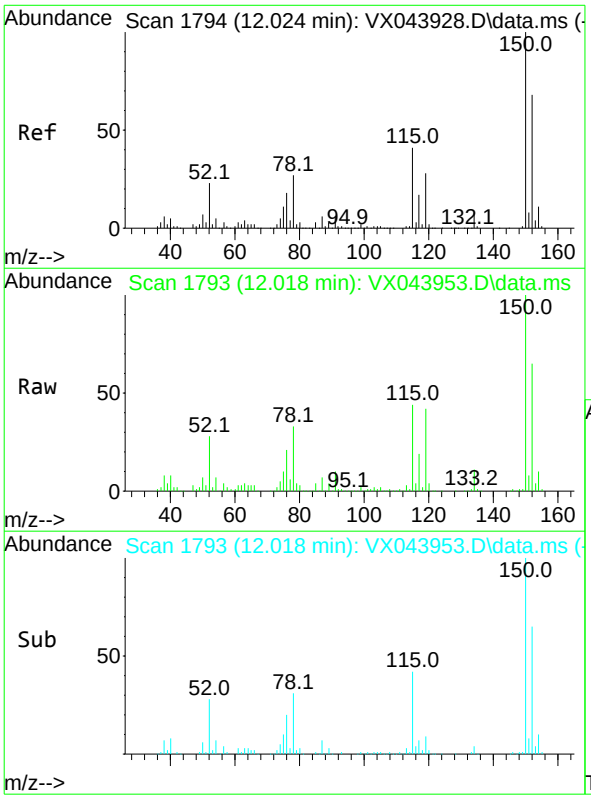
Ion	Ratio	Lower	Upper
173	100		
175	51.9	24.1	72.2
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations
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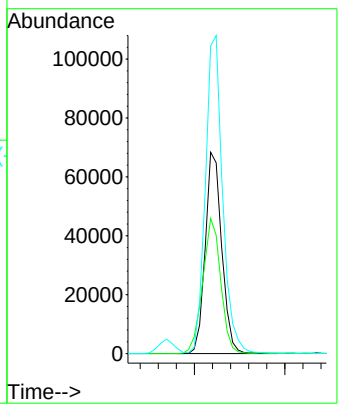
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

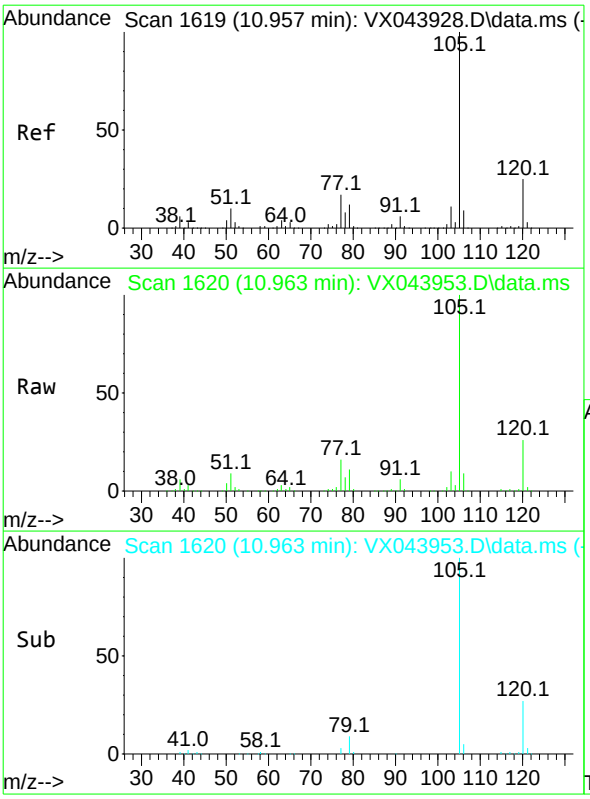


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:152 Resp: 86659

Ion	Ratio	Lower	Upper
152	100		
115	73.0	45.4	136.2
150	164.6	0.0	353.0

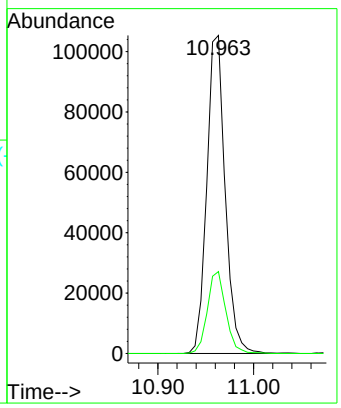




#73
Isopropylbenzene
Concen: 21.084 ug/l
RT: 10.963 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:105 Resp: 140447

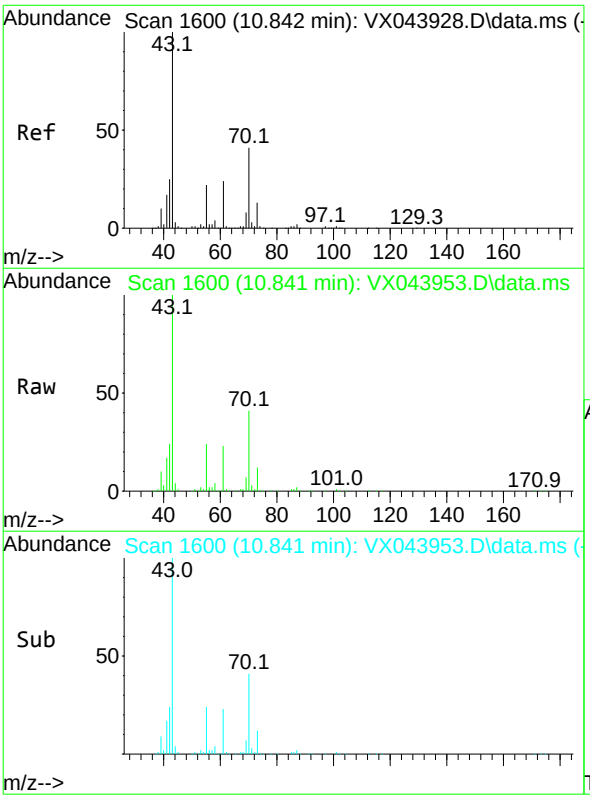
Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.0	38.9



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations
APPROVED

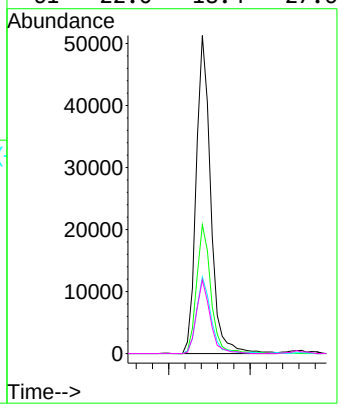
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

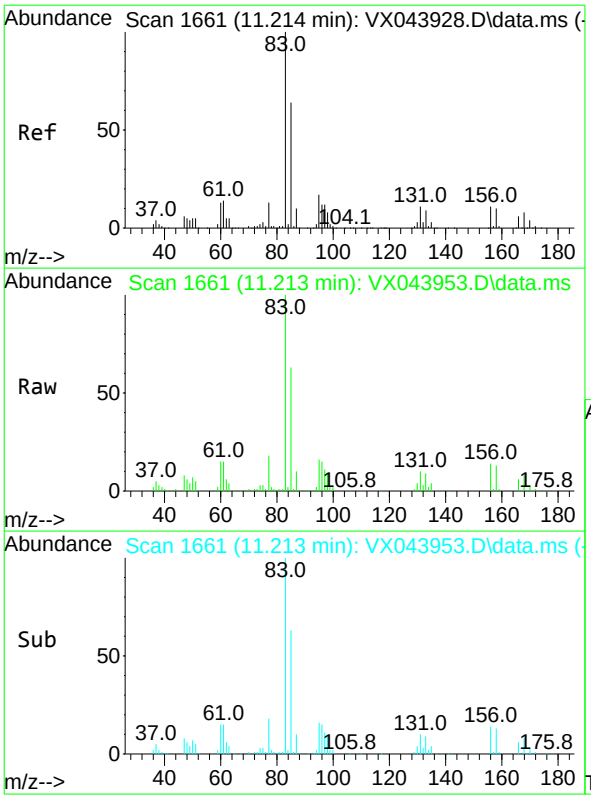


#74
N-amyl acetate
Concen: 20.600 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 43 Resp: 63571

Ion	Ratio	Lower	Upper
43	100		
70	39.9	32.2	48.2
55	23.8	18.1	27.1
61	22.0	18.4	27.6

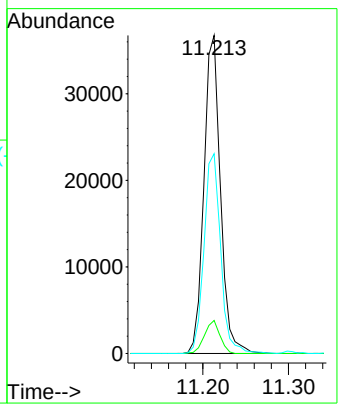




#75
1,1,2,2-Tetrachloroethane
Concen: 21.561 ug/l
RT: 11.213 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 83 Resp: 49179

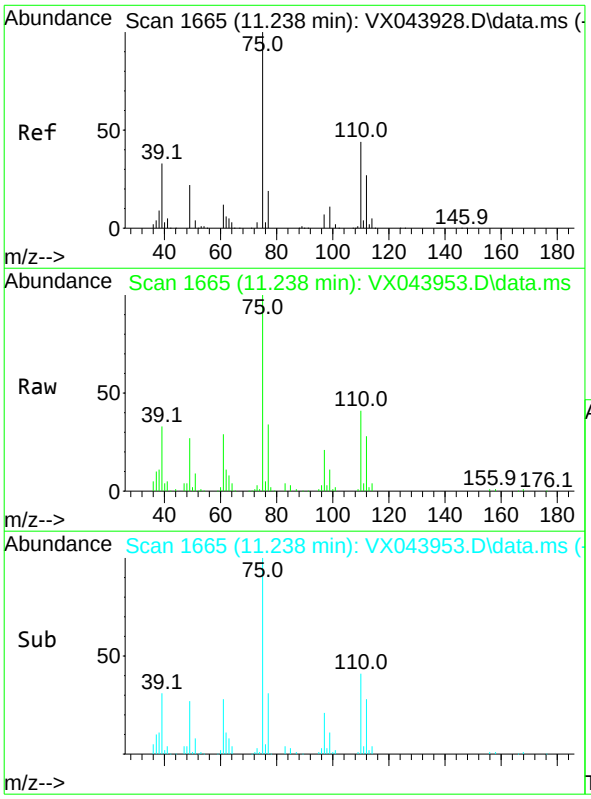
Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.1	15.2
85	63.4	32.2	96.6



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations
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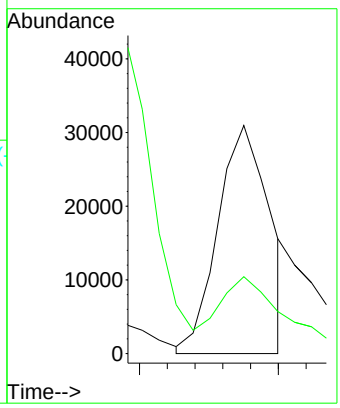
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

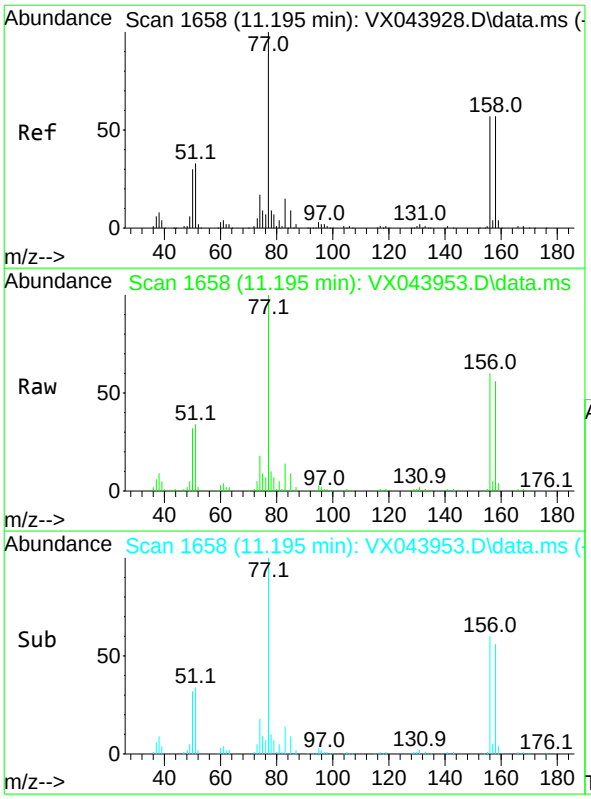


#76
1,2,3-Trichloropropane
Concen: 21.032 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 75 Resp: 39969

Ion	Ratio	Lower	Upper
75	100		
77	44.3	21.8	65.3





#77
Bromobenzene
Concen: 20.723 ug/l
RT: 11.195 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

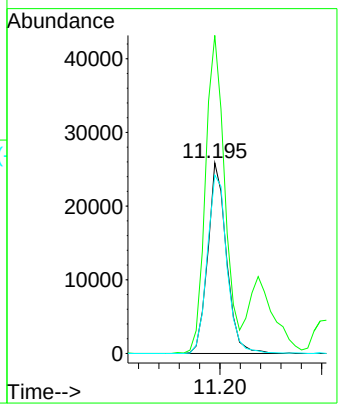
Tgt Ion:156 Resp: 32930

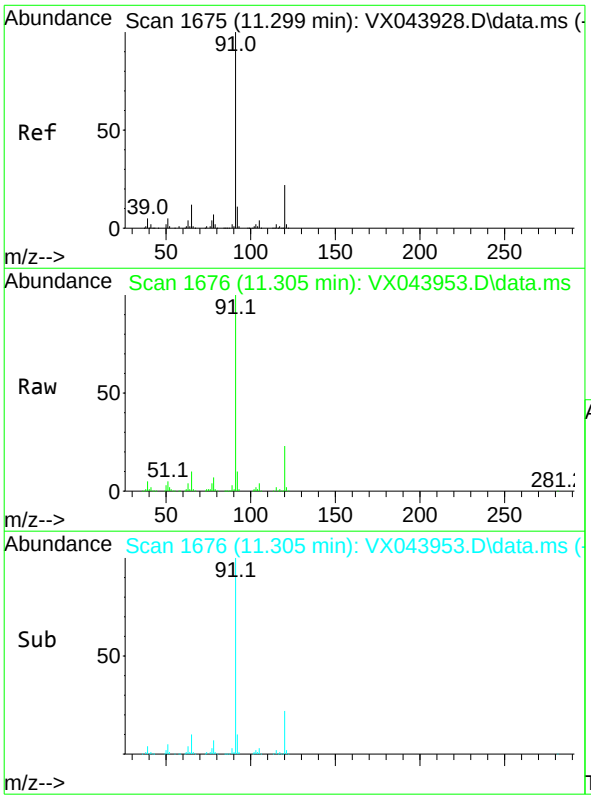
Ion	Ratio	Lower	Upper
156	100		
77	171.5	83.4	250.1
158	99.3	47.6	142.8

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations
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Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

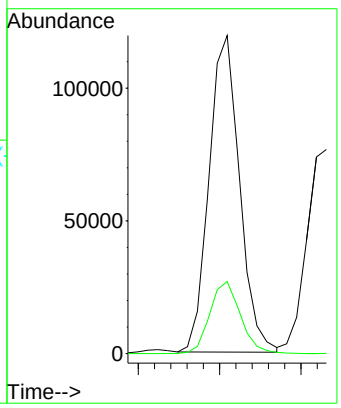


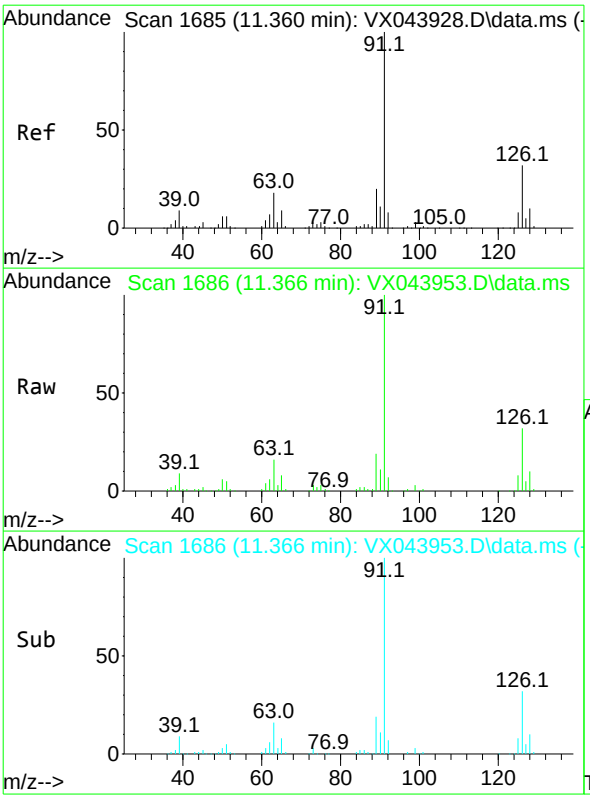


#78
n-propylbenzene
Concen: 20.912 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 91 Resp: 155584

Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.5	34.4

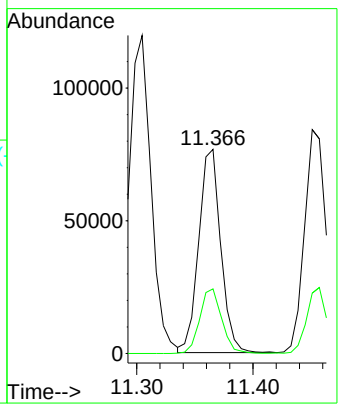




#79
2-Chlorotoluene
Concen: 21.442 ug/l
RT: 11.366 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 91 Resp: 100875

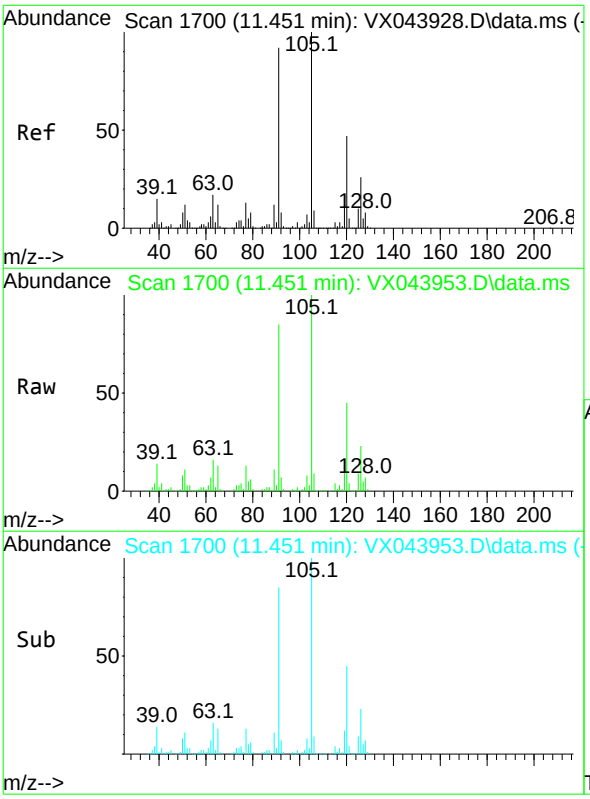
Ion	Ratio	Lower	Upper
91	100		
126	31.8	16.6	49.8



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations
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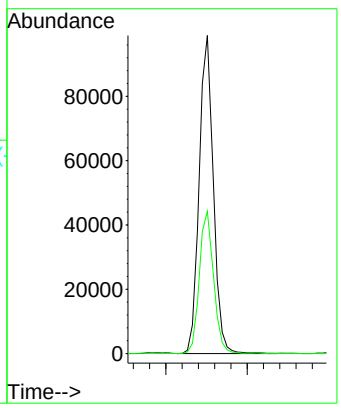
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

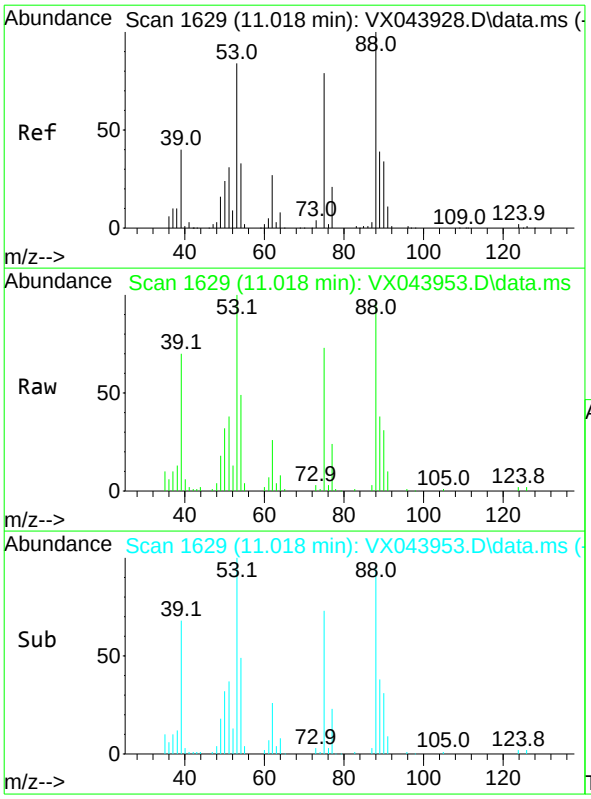


#80
1,3,5-Trimethylbenzene
Concen: 21.878 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:105 Resp: 119899

Ion	Ratio	Lower	Upper
105	100		
120	44.9	23.3	69.8





#81
trans-1,4-Dichloro-2-butene
Concen: 16.695 ug/l
RT: 11.018 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

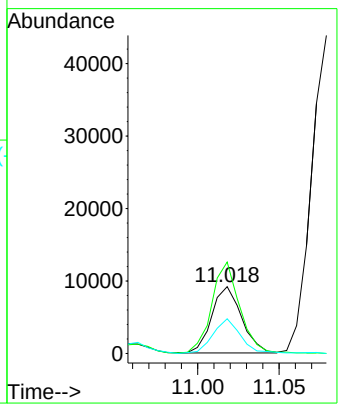
Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

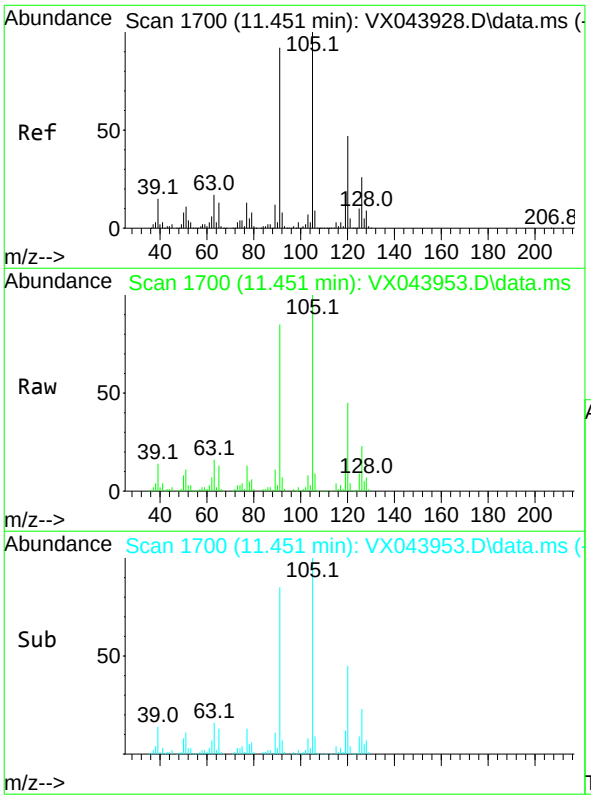
Tgt Ion: 75 Resp: 11627

Ion	Ratio	Lower	Upper
75	100		
53	131.0	86.7	130.1#
89	48.8	38.2	57.2

Manual Integrations
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Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

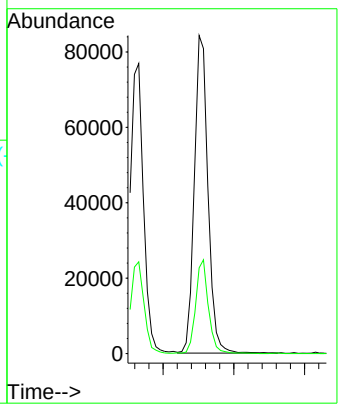


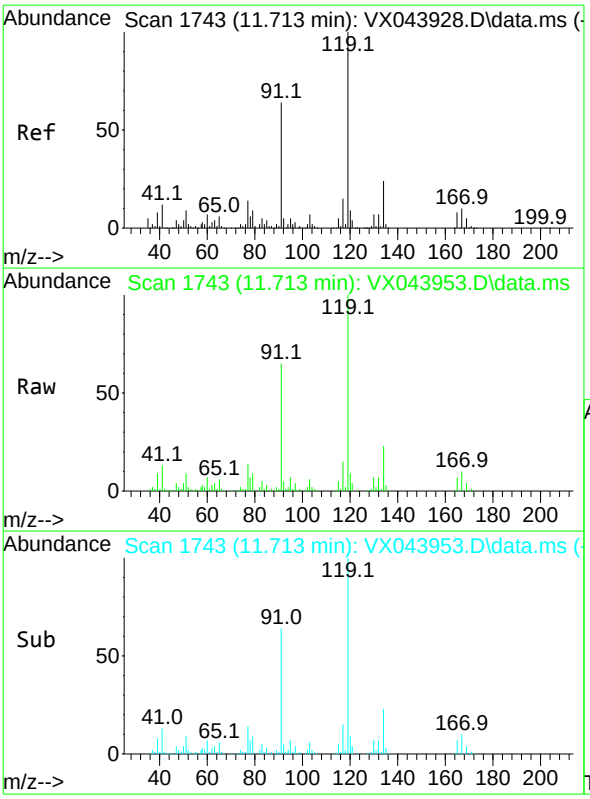


#82
4-Chlorotoluene
Concen: 21.166 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 91 Resp: 112420

Ion	Ratio	Lower	Upper
91	100		
126	27.9	14.3	42.9

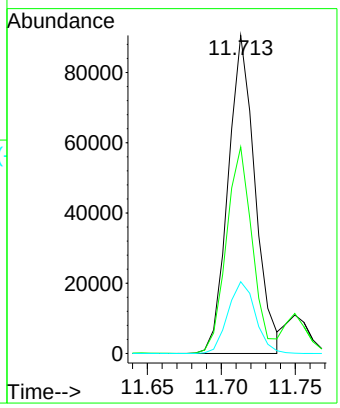




#83
tert-Butylbenzene
Concen: 21.028 ug/l
RT: 11.713 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:119 Resp: 114224

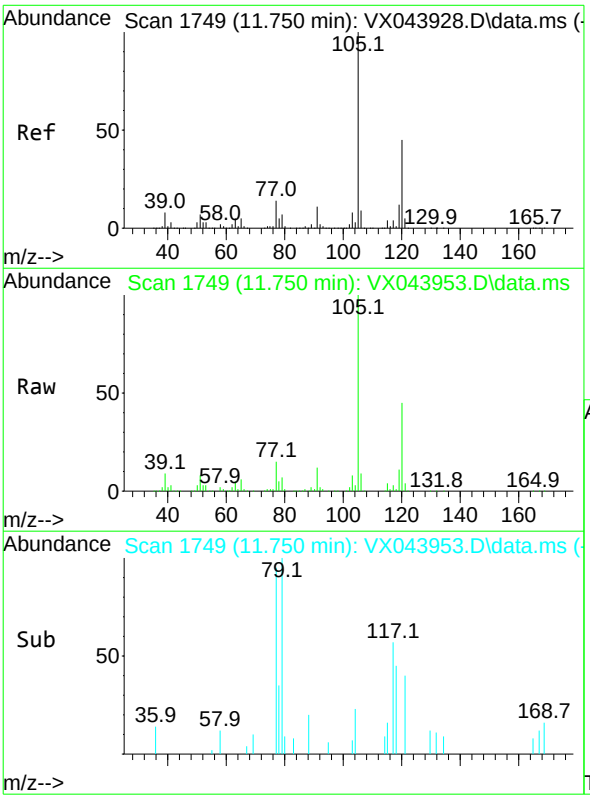
Ion	Ratio	Lower	Upper
119	100		
91	63.5	31.0	93.0
134	23.1	11.6	34.8



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations
APPROVED

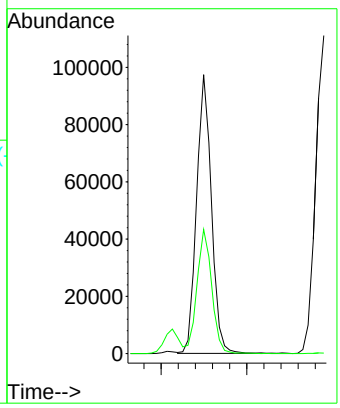
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

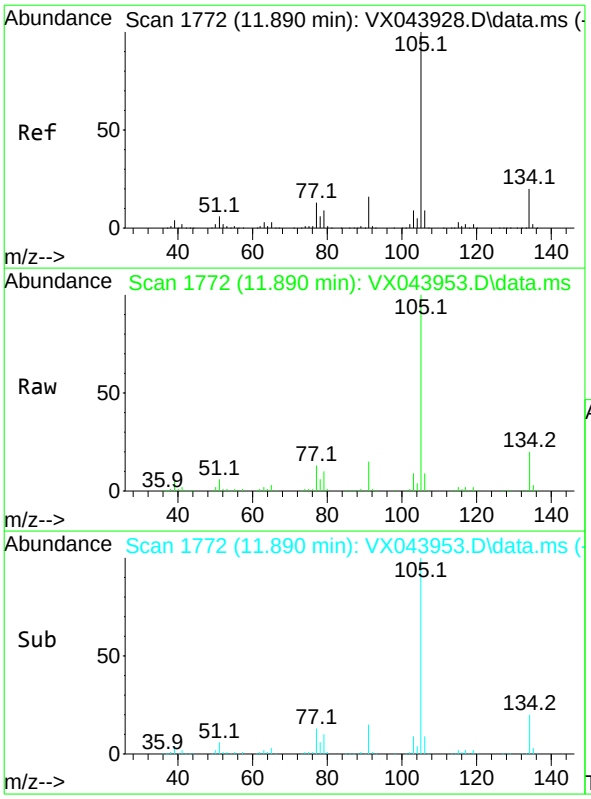


#84
1,2,4-Trimethylbenzene
Concen: 21.424 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:105 Resp: 116894

Ion	Ratio	Lower	Upper
105	100		
120	44.7	21.9	65.7

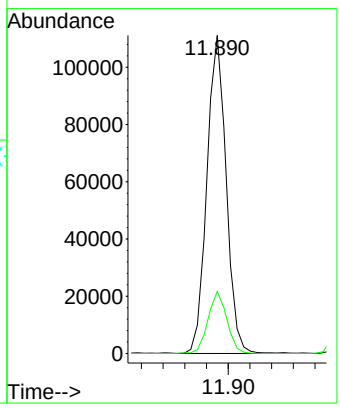




#85
sec-Butylbenzene
Concen: 20.577 ug/l
RT: 11.890 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:105 Resp: 136947

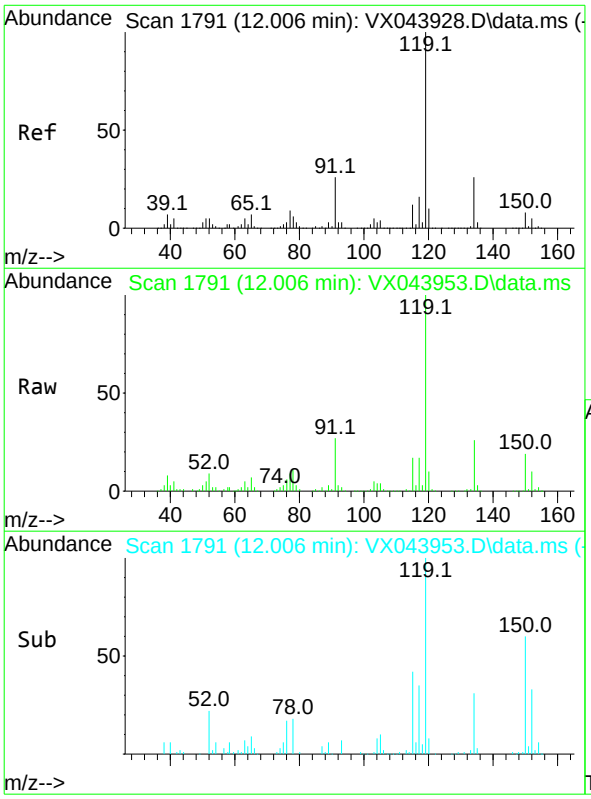
Ion	Ratio	Lower	Upper
105	100		
134	19.0	9.7	29.1



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations
APPROVED

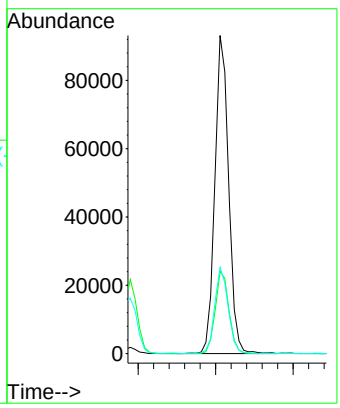
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

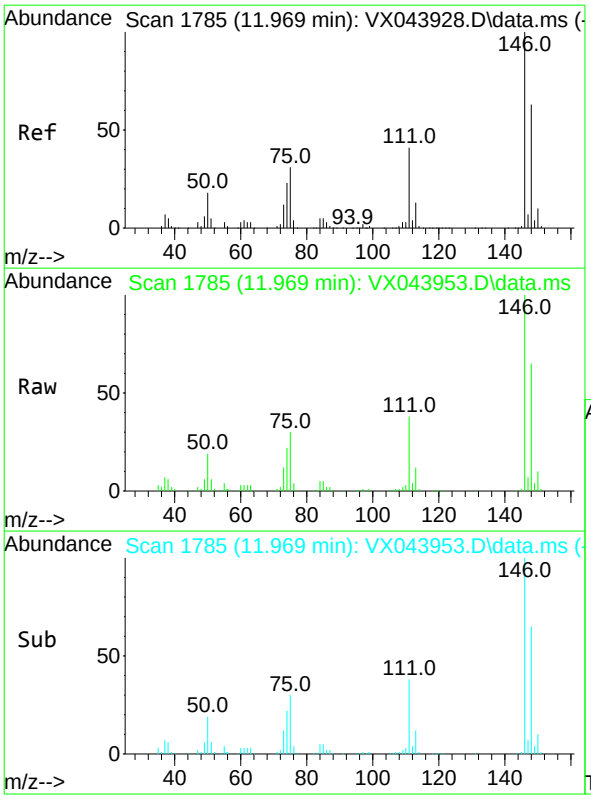


#86
p-Isopropyltoluene
Concen: 21.255 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:119 Resp: 114908

Ion	Ratio	Lower	Upper
119	100		
134	25.8	13.0	38.9
91	26.6	13.0	38.9





#87
1,3-Dichlorobenzene
Concen: 20.602 ug/l
RT: 11.969 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

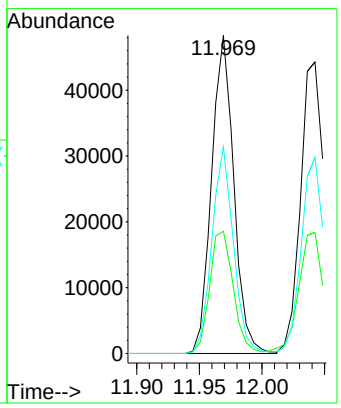
Tgt Ion:146 Resp: 59626

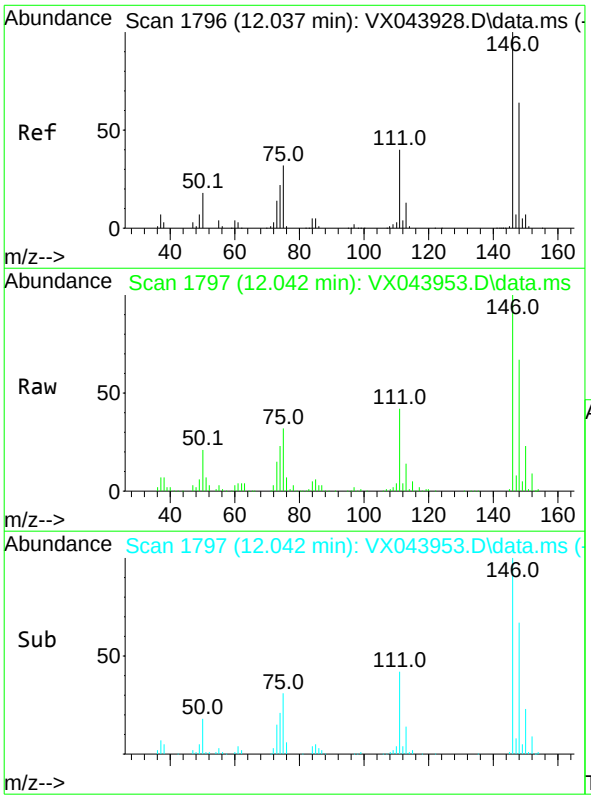
Ion	Ratio	Lower	Upper
146	100		
111	40.8	21.1	63.3
148	63.1	31.7	95.1

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

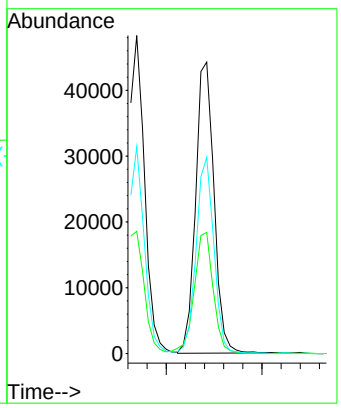


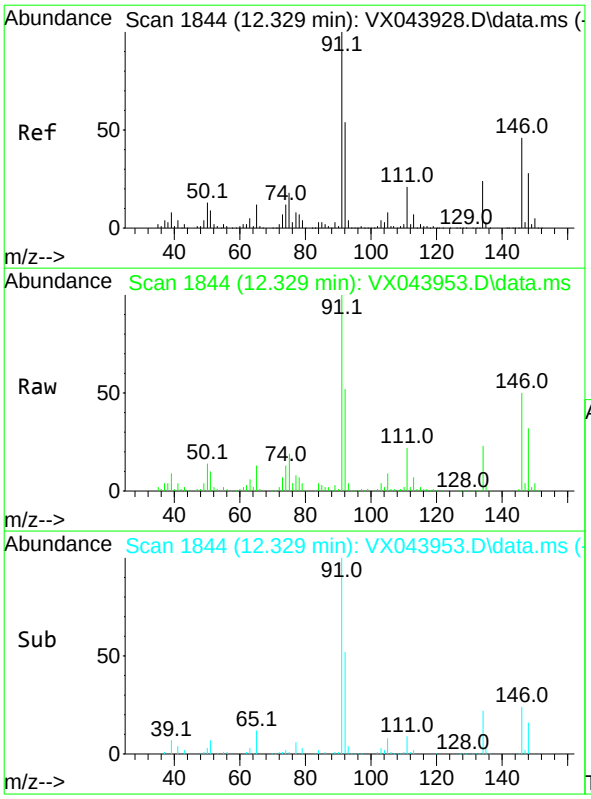


#88
1,4-Dichlorobenzene
Concen: 19.988 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:146 Resp: 58980

Ion	Ratio	Lower	Upper
146	100		
111	43.5	20.1	60.3
148	65.5	30.9	92.8





#89
n-Butylbenzene
Concen: 20.917 ug/l
RT: 12.329 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

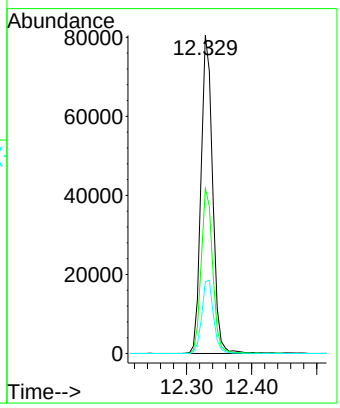
Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

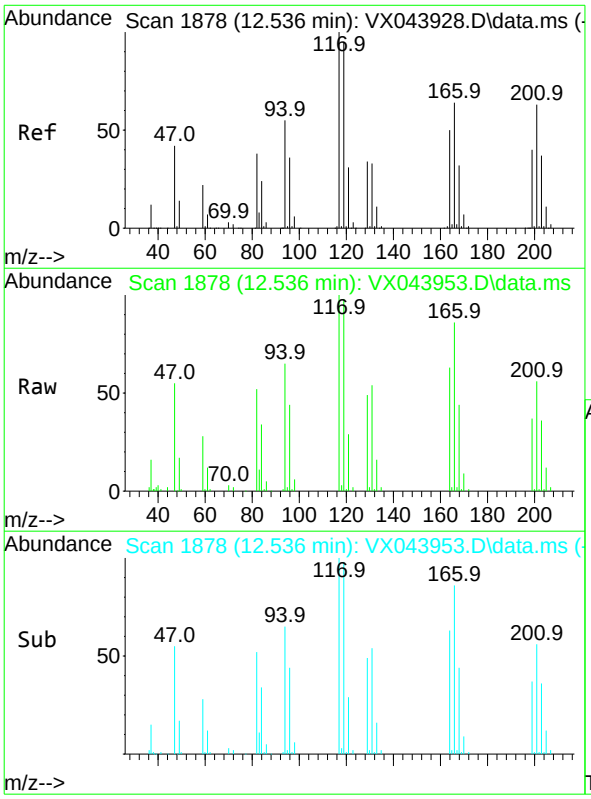
Tgt Ion: 91 Resp: 99700

Ion	Ratio	Lower	Upper
91	100		
92	51.3	26.6	79.8
134	23.3	12.4	37.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

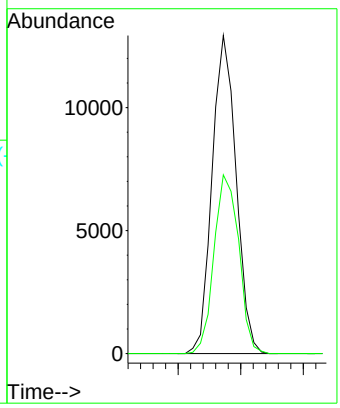


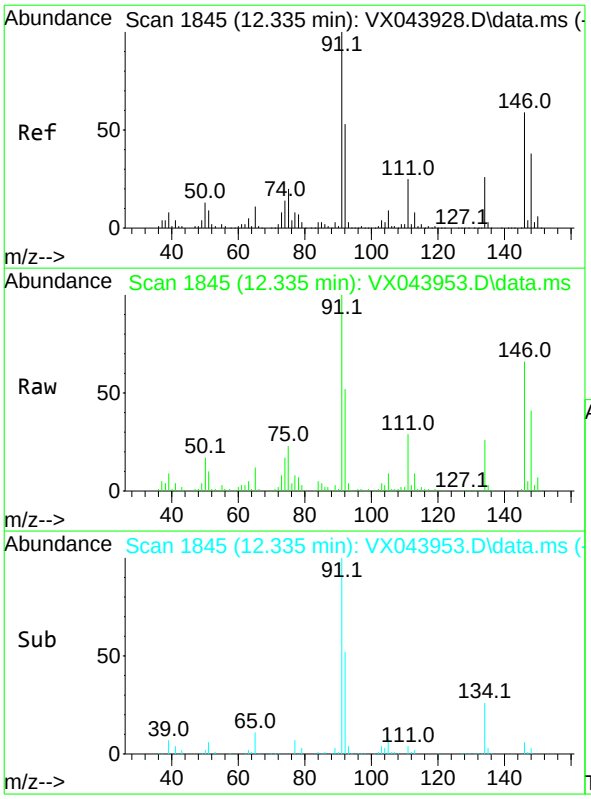


#90
Hexachloroethane
Concen: 18.732 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:117 Resp: 17220

Ion	Ratio	Lower	Upper
117	100		
201	57.9	32.4	97.0





#91
1,2-Dichlorobenzene
Concen: 20.654 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

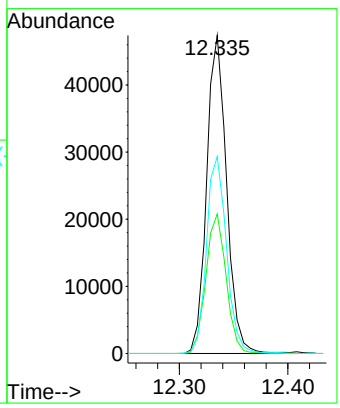
Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

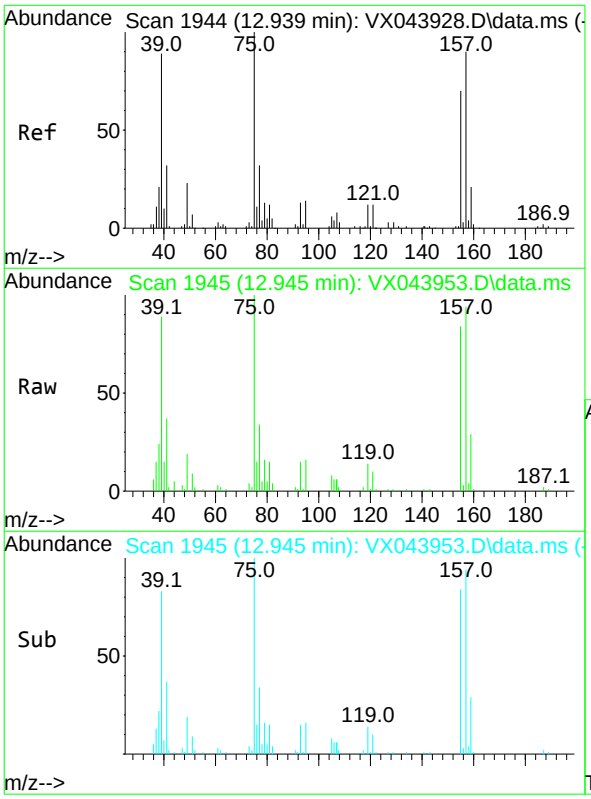
Tgt Ion:146 Resp: 60326

Ion	Ratio	Lower	Upper
146	100		
111	44.6	21.5	64.5
148	62.5	31.9	95.5

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

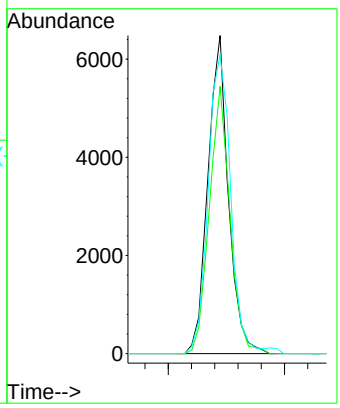


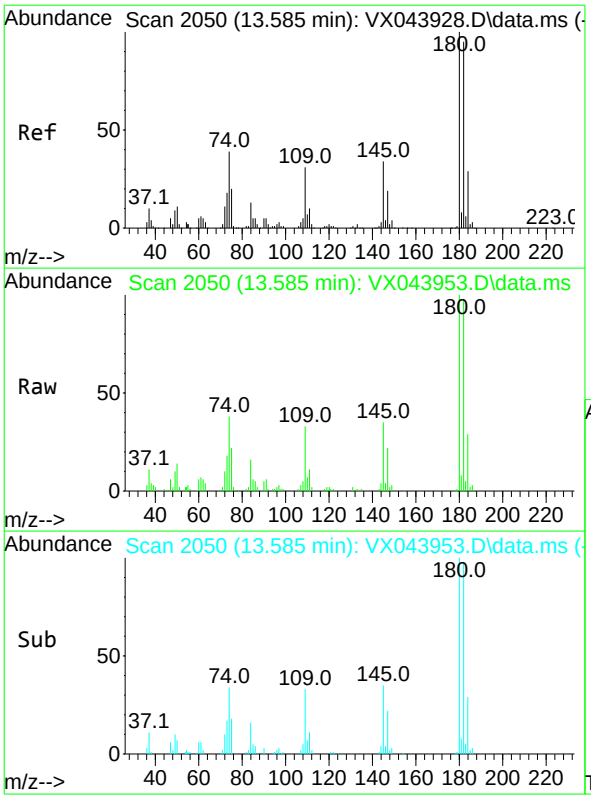


#92
1,2-Dibromo-3-Chloropropane
Concen: 17.368 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 75 Resp: 7938

Ion	Ratio	Lower	Upper
75	100		
155	84.4	40.1	120.2
157	103.8	49.6	149.0





#93
1,2,4-Trichlorobenzene
Concen: 19.521 ug/l
RT: 13.585 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

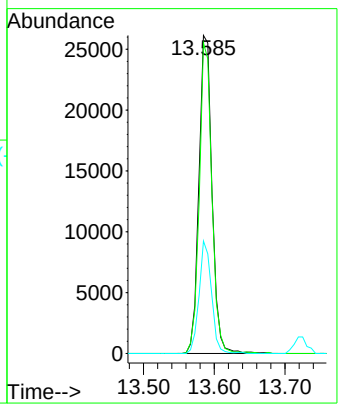
Tgt Ion:180 Resp: 33614

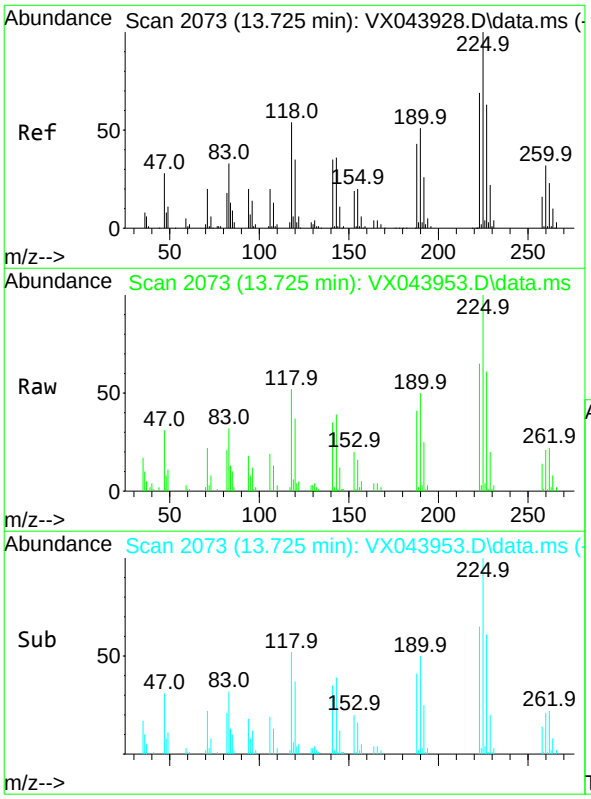
Ion	Ratio	Lower	Upper
180	100		
182	94.0	48.0	144.2
145	33.6	16.8	50.4

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

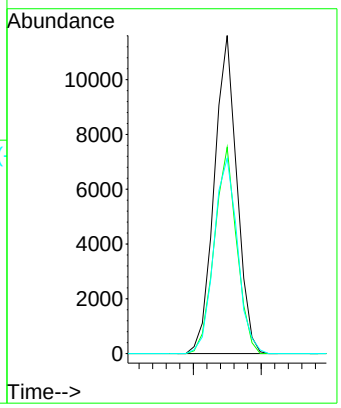


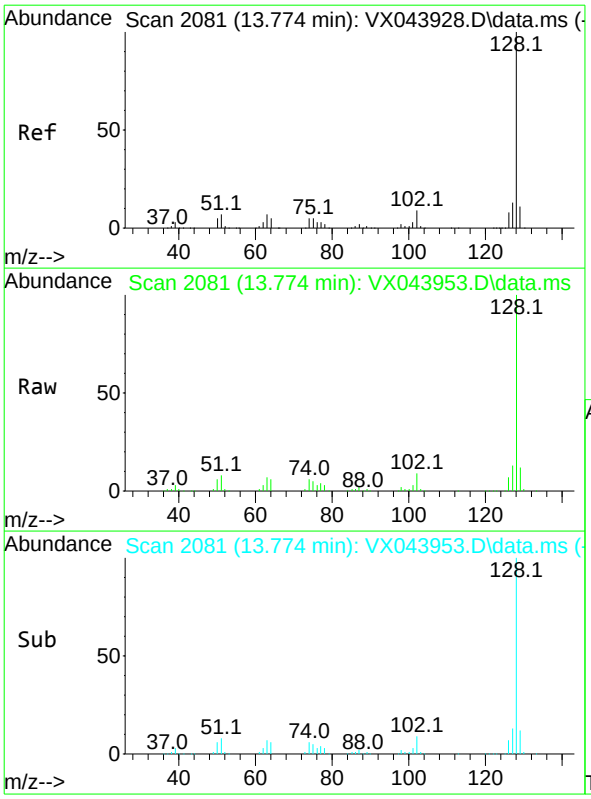


#94
Hexachlorobutadiene
Concen: 19.782 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:225 Resp: 13463

Ion	Ratio	Lower	Upper
225	100		
223	63.8	32.9	98.6
227	64.2	31.6	94.8

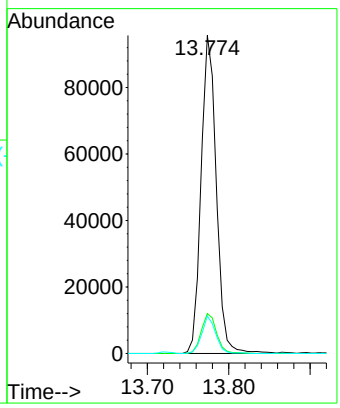




#95
Naphthalene
Concen: 20.050 ug/l
RT: 13.774 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:128 Resp: 124279

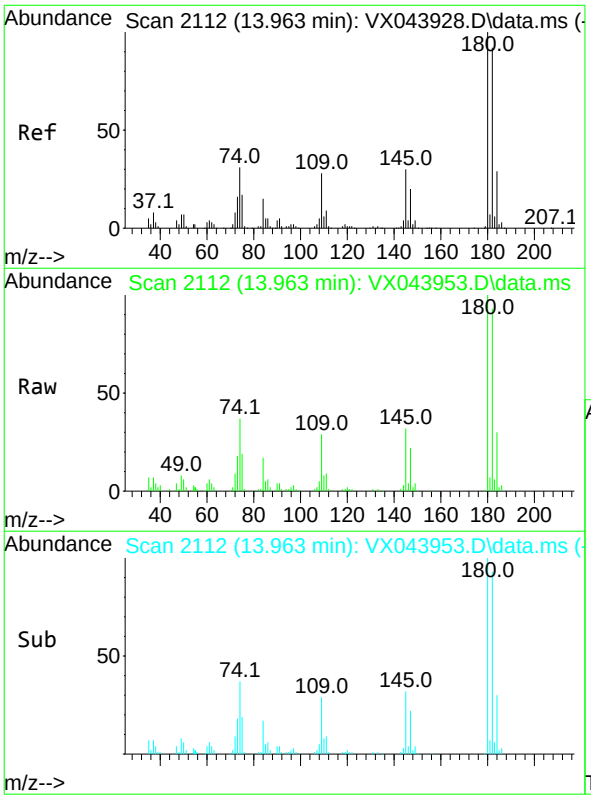
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.8	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations
APPROVED

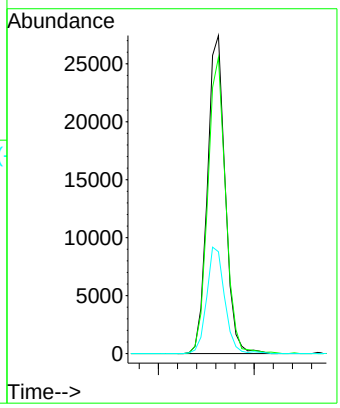
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#96
1,2,3-Trichlorobenzene
Concen: 20.203 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:180 Resp: 35212

Ion	Ratio	Lower	Upper
180	100		
182	94.1	45.6	136.8
145	34.1	16.4	49.4



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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VX1125WBS01	SDG No.:	P4846
Lab Sample ID:	VX1125WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043980.D	1		11/25/24 12:41	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	17.0		0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	18.3		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	17.5		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	20.6		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	19.4		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.0		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	17.5		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.2		0.26	0.75	1.00	ug/L
67-64-1	Acetone	87.8		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	15.0		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.0		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	18.3		0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	17.8		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	17.9		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.3		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	17.9		1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	91.3		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	17.8		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.7		0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	21.3		0.18	0.50	1.00	ug/L
67-66-3	Chloroform	19.5		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.3		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	17.0		0.19	0.50	1.00	ug/L
71-43-2	Benzene	18.8		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.1		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	16.1		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.8		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	18.8		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	92.4		0.75	2.50	5.00	ug/L
108-88-3	Toluene	19.1		0.18	0.50	1.00	ug/L

Raw Data: **VX043980.D**

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VX1125WBS01	SDG No.:	P4846
Lab Sample ID:	VX1125WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043980.D	1		11/25/24 12:41	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	18.2		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.6		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	18.7		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	90.6		1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	17.9		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	18.5		0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	18.1		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	18.6		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	18.6		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	37.3		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	18.7		0.14	0.50	1.00	ug/L
100-42-5	Styrene	18.6		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	16.0		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	19.0		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.1		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.6		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.5		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.9		0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	16.5		0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	17.2		0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	17.9		0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.6		81 - 118		101%	SPK: 50
1868-53-7	Dibromofluoromethane	49.4		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	48.8		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.3		85 - 114		95%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	129000	5.544				
540-36-3	1,4-Difluorobenzene	233000	6.757				
3114-55-4	Chlorobenzene-d5	201000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	89400	12.024				

Raw Data: **VX043980.D**

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VX1125WBS01	SDG No.:	P4846
Lab Sample ID:	VX1125WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043980.D	1		11/25/24 12:41	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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\VX112524\
Data File : VX043980.D
Acq On : 25 Nov 2024 12:41
Operator : JC/MD
Sample : VX1125WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 26 00:45:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	129078	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	232630	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	200729	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	89446	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	111972	50.577	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.160%			
35) Dibromofluoromethane	5.379	113	82126	49.406	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.820%			
50) Toluene-d8	8.647	98	279748	48.822	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.640%			
62) 4-Bromofluorobenzene	11.079	95	92231	47.296	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	27858	17.036	ug/l	96
3) Chloromethane	1.294	50	31484	18.297	ug/l	98
4) Vinyl Chloride	1.374	62	32067	17.520	ug/l	97
5) Bromomethane	1.593	94	23162	20.571	ug/l	96
6) Chloroethane	1.666	64	21661	19.423	ug/l	99
7) Trichlorofluoromethane	1.868	101	62260	19.027	ug/l	99
8) Diethyl Ether	2.136	74	21810	18.287	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	27391	17.549	ug/l	99
10) Methyl Iodide	2.447	142	35527	18.224	ug/l	98
11) Tert butyl alcohol	2.995	59	30305	85.282	ug/l	98
12) 1,1-Dichloroethene	2.306	96	25636	17.236	ug/l	92
13) Acrolein	2.233	56	29794	79.545	ug/l	99
14) Allyl chloride	2.654	41	43363	17.842	ug/l	97
15) Acrylonitrile	3.062	53	78411	90.547	ug/l	99
16) Acetone	2.380	43	89315	87.837	ug/l	99
17) Carbon Disulfide	2.502	76	46168	15.048	ug/l	96
18) Methyl Acetate	2.703	43	43353	18.308	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	102397	18.961	ug/l	99
20) Methylene Chloride	2.782	84	30699	17.791	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	27476	17.893	ug/l	95
22) Diisopropyl ether	3.757	45	101204	19.474	ug/l #	87
23) Vinyl Acetate	3.721	43	413005	92.903	ug/l	99
24) 1,1-Dichloroethane	3.605	63	57833	19.291	ug/l	99
25) 2-Butanone	4.562	43	119828	91.330	ug/l	97
26) 2,2-Dichloropropane	4.471	77	50034	18.480	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	35442	18.672	ug/l	99
28) Bromochloromethane	4.891	49	28155	21.335	ug/l	97
29) Tetrahydrofuran	5.007	42	71632	89.055	ug/l	99
30) Chloroform	5.086	83	62792	19.474	ug/l	95
31) Cyclohexane	5.458	56	44185	17.907	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	53725	19.321	ug/l	99
36) 1,1-Dichloropropene	5.690	75	39005	18.830	ug/l	97
37) Ethyl Acetate	4.715	43	43604	16.958	ug/l	99
38) Carbon Tetrachloride	5.672	117	41358	17.769	ug/l	93
39) Methylcyclohexane	7.373	83	45874	17.047	ug/l	96
40) Benzene	6.031	78	121280	18.797	ug/l	98

Sample Results: **VX043980.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043980.D
Acq On : 25 Nov 2024 12:41
Operator : JC/MD
Sample : VX1125WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 26 00:45:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.928	41	24395	18.537 ug/l		97
42) 1,2-Dichloroethane	6.080	62	49414	19.069 ug/l		100
43) Isopropyl Acetate	6.342	43	74800	18.280 ug/l		98
44) Trichloroethene	7.123	130	29451	16.124 ug/l		94
45) 1,2-Dichloropropane	7.421	63	31342	19.833 ug/l		99
46) Dibromomethane	7.580	93	23880	19.103 ug/l		98
47) Bromodichloromethane	7.818	83	42158	18.804 ug/l		98
48) Methyl methacrylate	7.696	41	34847	17.747 ug/l		100
49) 1,4-Dioxane	7.671	88	11205	320.363 ug/l		95
51) 4-Methyl-2-Pentanone	8.574	43	230680	92.377 ug/l		98
52) Toluene	8.714	92	73761	19.100 ug/l		98
53) t-1,3-Dichloropropene	8.976	75	41513	18.157 ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	46516	18.559 ug/l		98
55) 1,1,2-Trichloroethane	9.153	97	29828	18.711 ug/l		96
56) Ethyl methacrylate	9.116	69	45352	18.265 ug/l		98
57) 1,3-Dichloropropane	9.305	76	52347	19.493 ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	104808	76.406 ug/l		100
59) 2-Hexanone	9.433	43	170135	90.646 ug/l		99
60) Dibromochloromethane	9.519	129	28665	17.922 ug/l		98
61) 1,2-Dibromoethane	9.610	107	29826	18.503 ug/l		99
64) Tetrachloroethene	9.269	164	23911	18.065 ug/l		94
65) Chlorobenzene	10.079	112	81986	18.597 ug/l		97
66) 1,1,1,2-Tetrachloroethane	10.159	131	27274	19.076 ug/l		99
67) Ethyl Benzene	10.189	91	139010	18.608 ug/l		99
68) m/p-Xylenes	10.299	106	103991	37.328 ug/l		99
69) o-Xylene	10.640	106	50858	18.698 ug/l		98
70) Styrene	10.653	104	83849	18.638 ug/l		98
71) Bromoform	10.799	173	15846	15.994 ug/l	#	100
73) Isopropylbenzene	10.963	105	130876	19.035 ug/l		100
74) N-amyl acetate	10.842	43	56876	17.857 ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	45016	19.121 ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	37299m	19.015 ug/l		
77) Bromobenzene	11.195	156	31131	18.980 ug/l		98
78) n-propylbenzene	11.305	91	145673	18.970 ug/l		98
79) 2-Chlorotoluene	11.360	91	92824	19.116 ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	112233	19.841 ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	11075	15.407 ug/l		91
82) 4-Chlorotoluene	11.451	91	104709	19.100 ug/l		100
83) tert-Butylbenzene	11.713	119	107369	19.150 ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	111539	19.806 ug/l		96
85) sec-Butylbenzene	11.890	105	125802	18.313 ug/l		98
86) p-Isopropyltoluene	12.006	119	108552	19.454 ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	55631	18.623 ug/l		99
88) 1,4-Dichlorobenzene	12.043	146	56264	18.474 ug/l		96
89) n-Butylbenzene	12.329	91	91448	18.588 ug/l		99
90) Hexachloroethane	12.536	117	15872	16.728 ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	56883	18.869 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7772	16.475 ug/l		96
93) 1,2,4-Trichlorobenzene	13.585	180	30614	17.225 ug/l		98
94) Hexachlorobutadiene	13.719	225	13180	18.763 ug/l		93
95) Naphthalene	13.774	128	113362	17.718 ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	32142	17.867 ug/l		96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043980.D
Acq On : 25 Nov 2024 12:41
Operator : JC/MD
Sample : VX1125WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 26 00:45:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

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

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

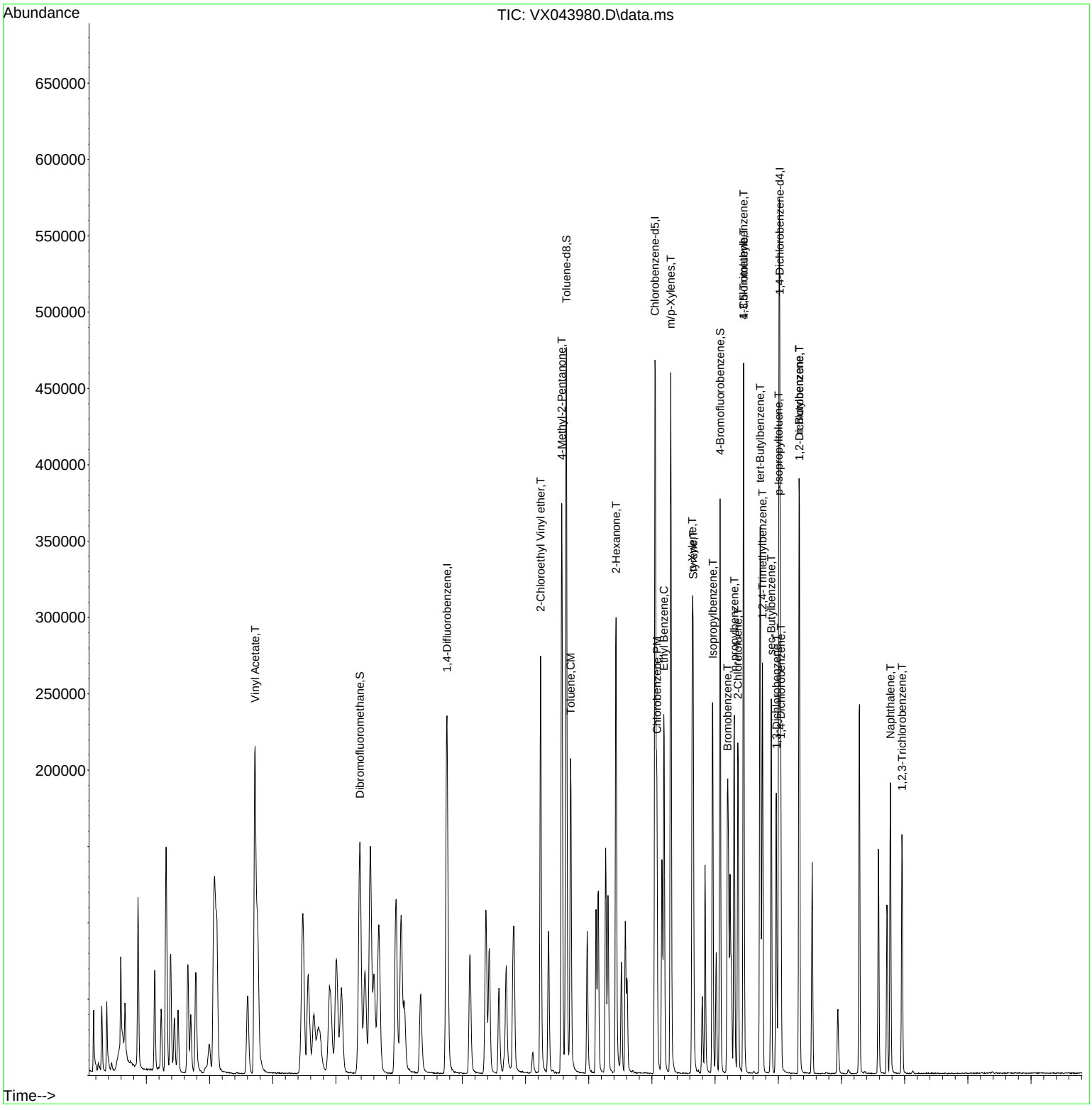
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Data File : VX043980.D
Acq On : 25 Nov 2024 12:41
Operator : JC/MD
Sample : VX1125WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

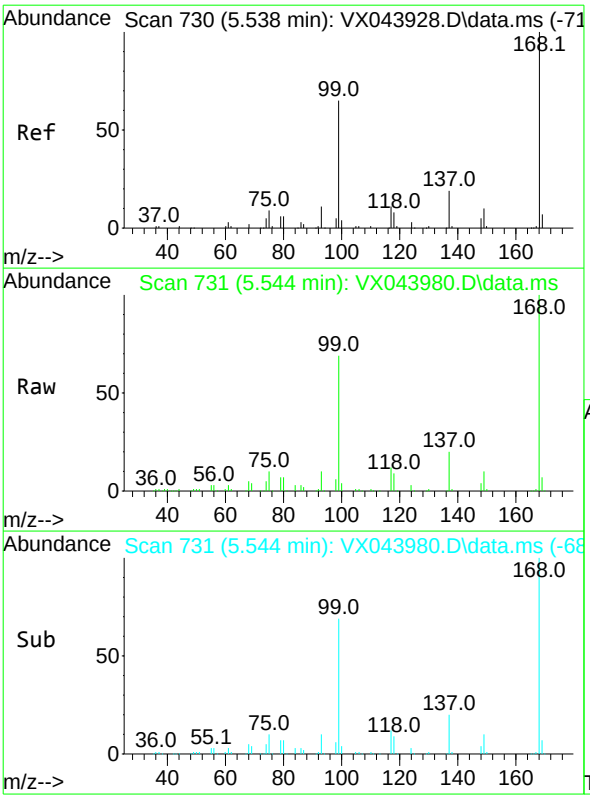
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

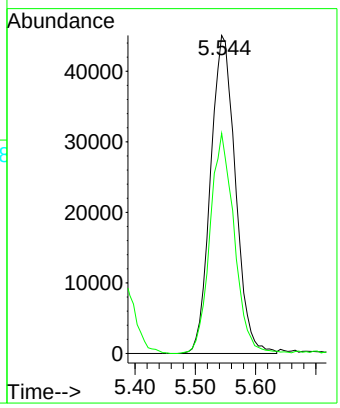




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:168 Resp: 129078

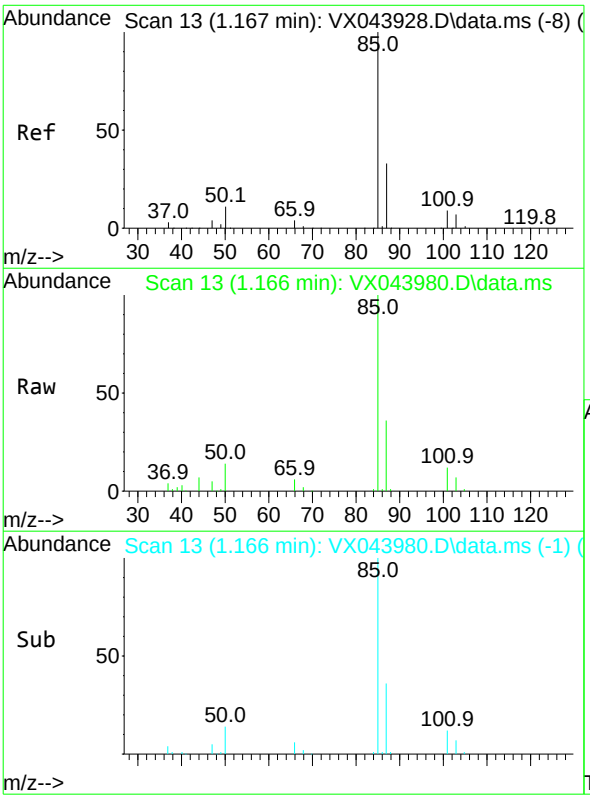
Ion	Ratio	Lower	Upper
168	100		
99	69.2	51.8	77.8



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

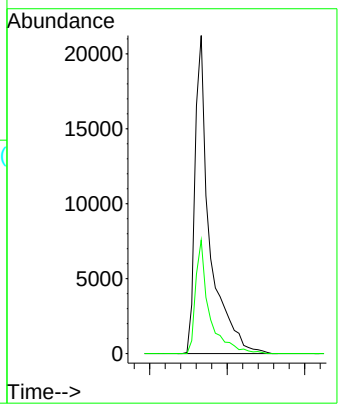
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

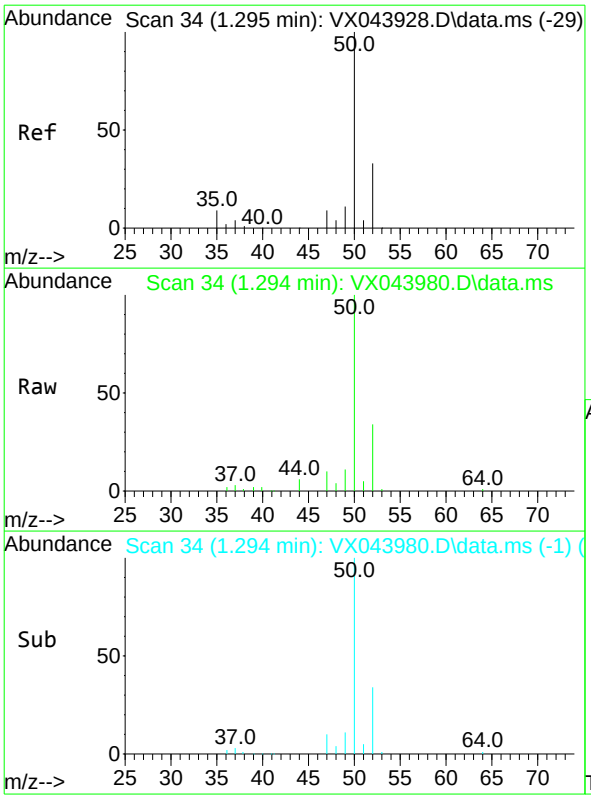


#2
Dichlorodifluoromethane
Concen: 17.036 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 85 Resp: 27858

Ion	Ratio	Lower	Upper
85	100		
87	35.7	16.6	49.8

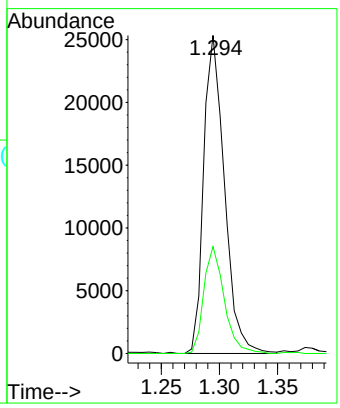




#3
Chloromethane
Concen: 18.297 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 50 Resp: 31484

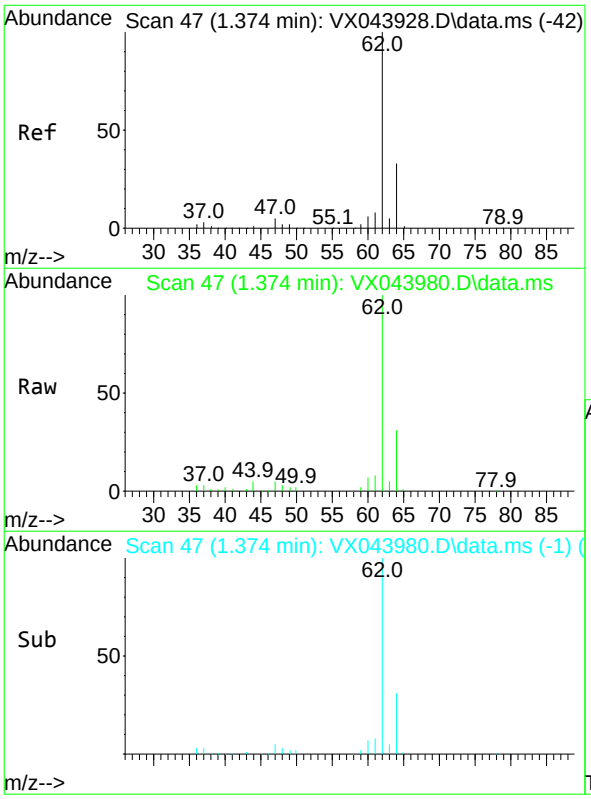
Ion	Ratio	Lower	Upper
50	100		
52	33.6	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

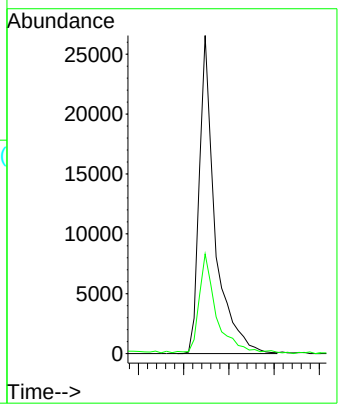
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

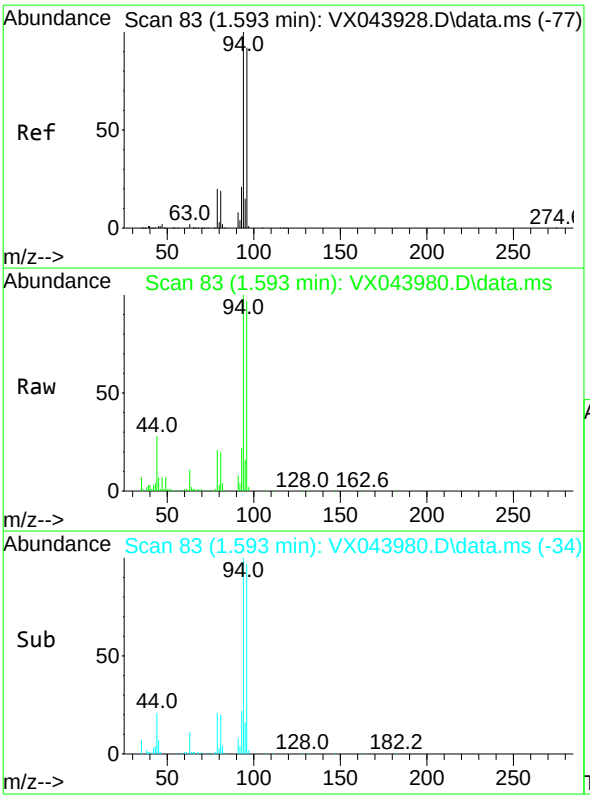


#4
Vinyl Chloride
Concen: 17.520 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 62 Resp: 32067

Ion	Ratio	Lower	Upper
62	100		
64	30.9	26.2	39.4

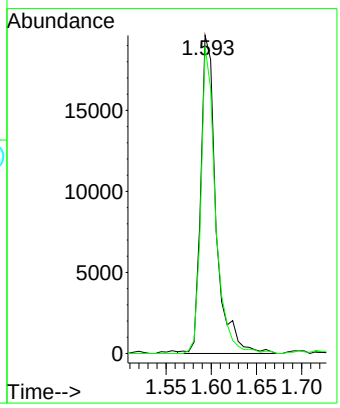




#5
Bromomethane
Concen: 20.571 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 94 Resp: 23162

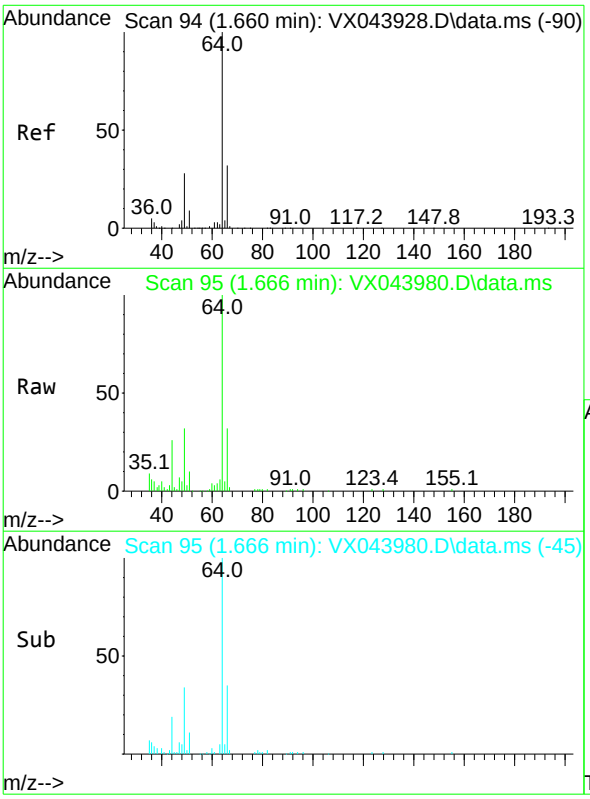
Ion	Ratio	Lower	Upper
94	100		
96	96.5	73.9	110.9



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

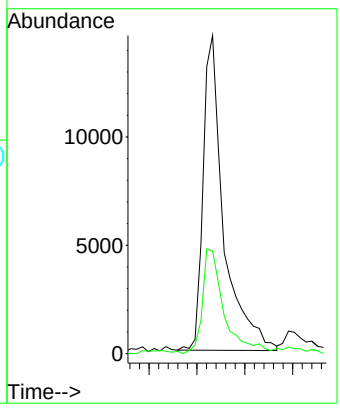
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

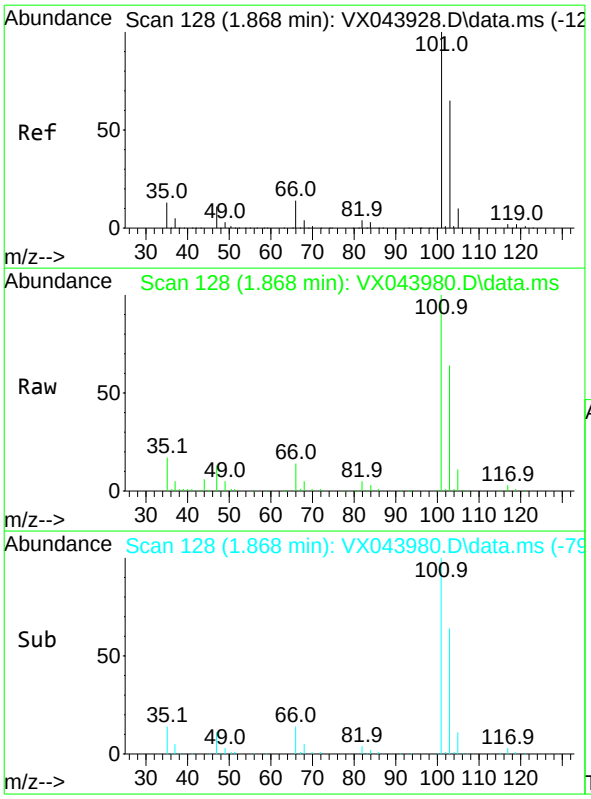


#6
Chloroethane
Concen: 19.423 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 64 Resp: 21661

Ion	Ratio	Lower	Upper
64	100		
66	31.9	25.9	38.9

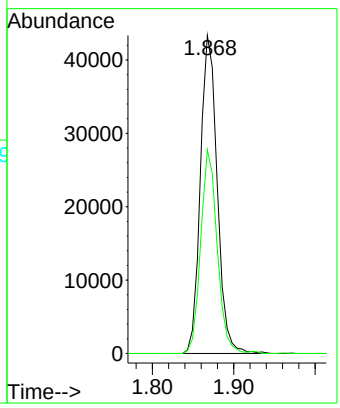




#7
Trichlorofluoromethane
Concen: 19.027 ug/l
RT: 1.868 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:101 Resp: 62260

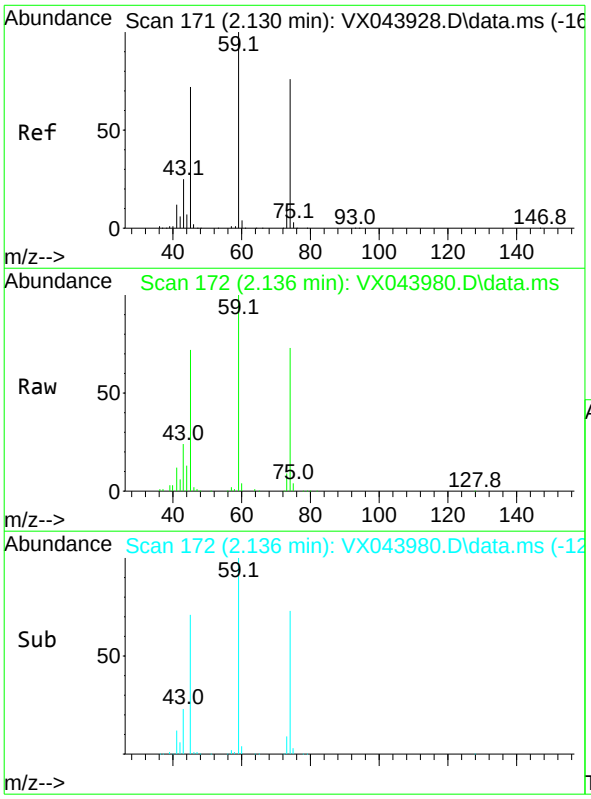
Ion	Ratio	Lower	Upper
101	100		
103	64.1	52.2	78.2



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

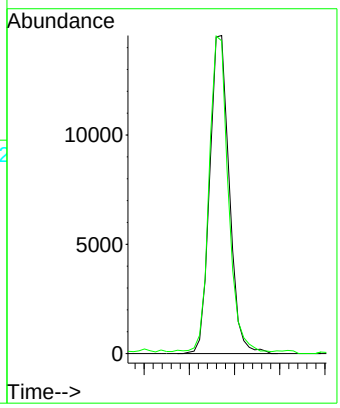
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

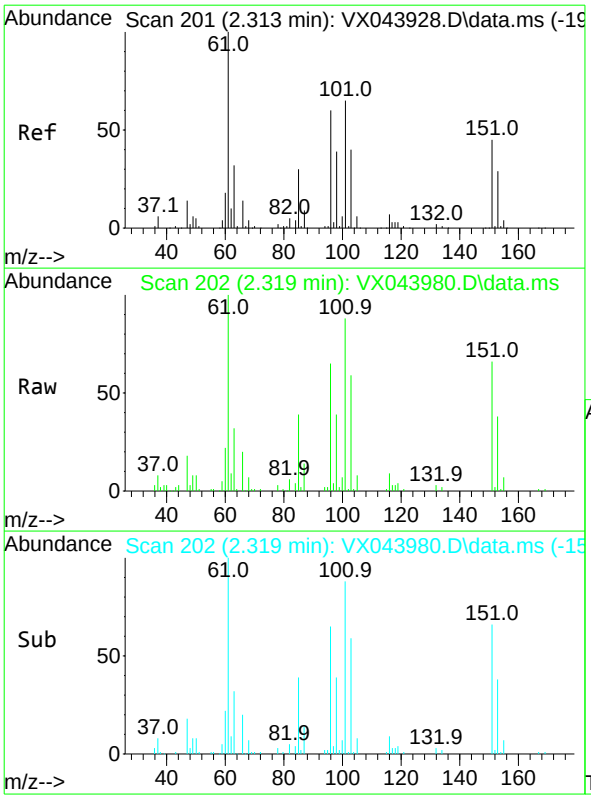


#8
Diethyl Ether
Concen: 18.287 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 74 Resp: 21810

Ion	Ratio	Lower	Upper
74	100		
45	96.5	47.9	143.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.549 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

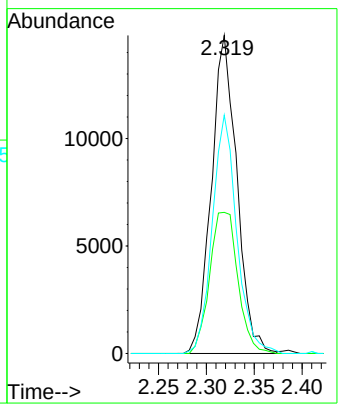
Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

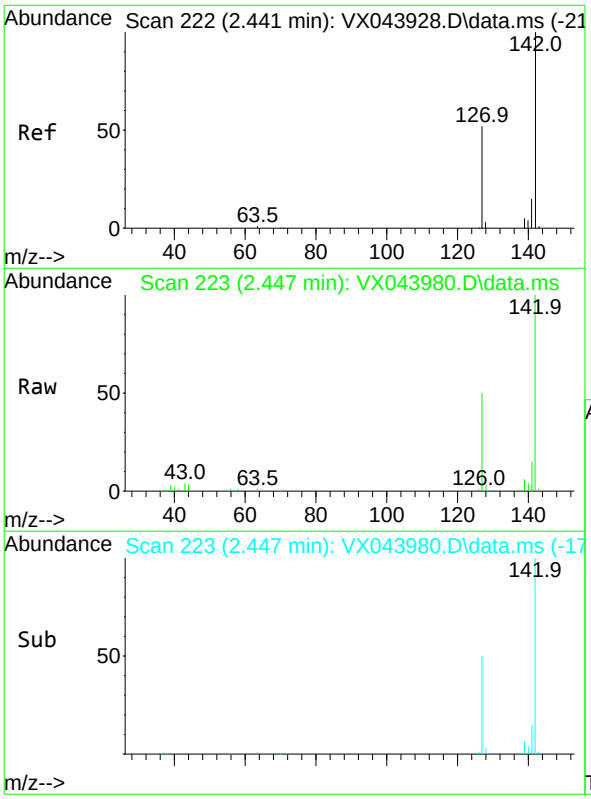
Tgt Ion:101 Resp: 27391

Ion	Ratio	Lower	Upper
101	100		
85	49.0	37.9	56.9
151	72.1	57.5	86.3

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

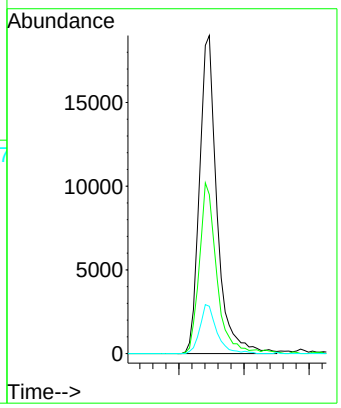


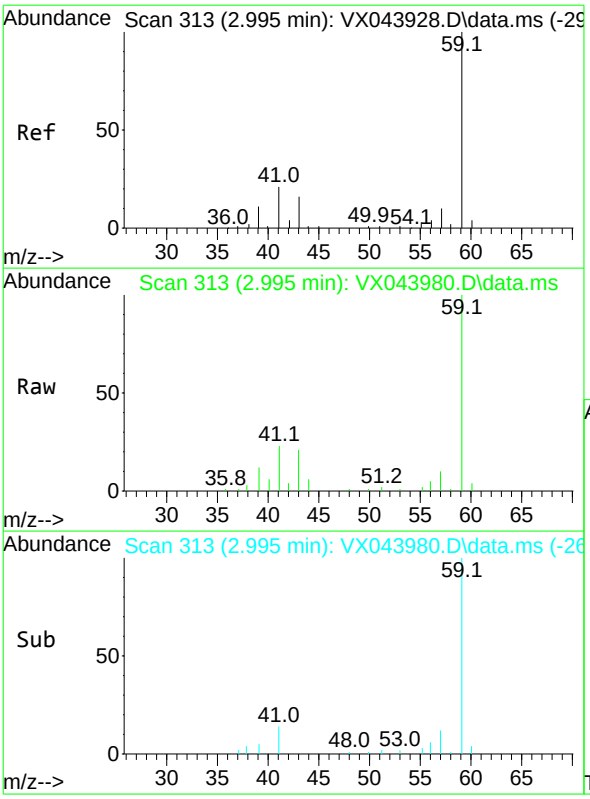


#10
Methyl Iodide
Concen: 18.224 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:142 Resp: 35527

Ion	Ratio	Lower	Upper
142	100		
127	52.9	40.7	61.1
141	14.9	12.0	18.0

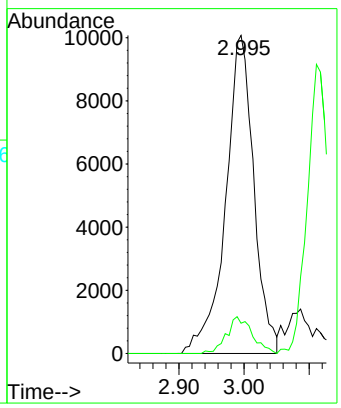




#11
Tert butyl alcohol
Concen: 85.282 ug/l
RT: 2.995 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 59 Resp: 30305

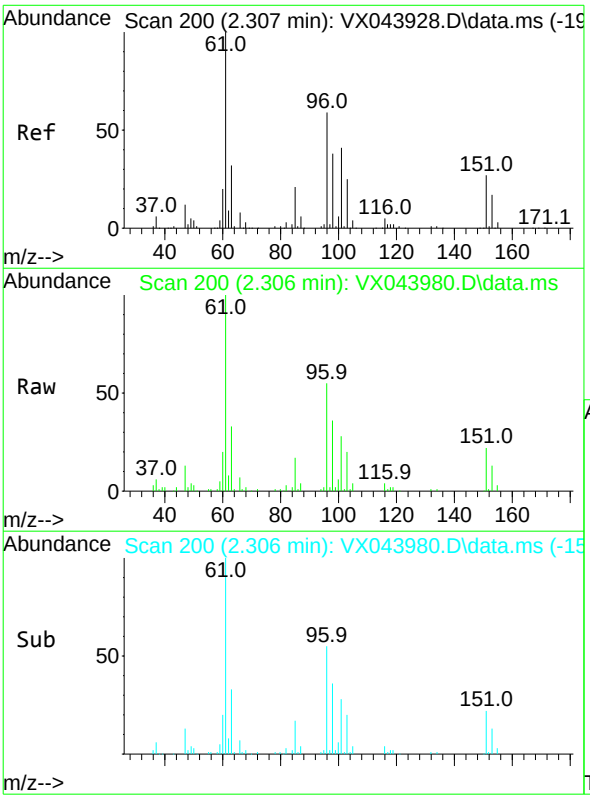
Ion	Ratio	Lower	Upper
59	100		
57	10.5	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

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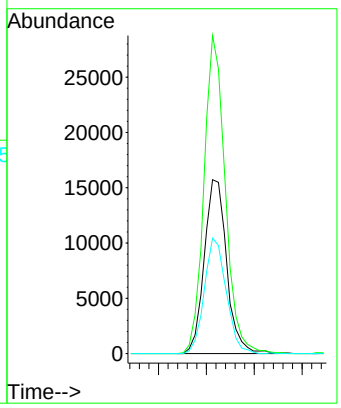
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

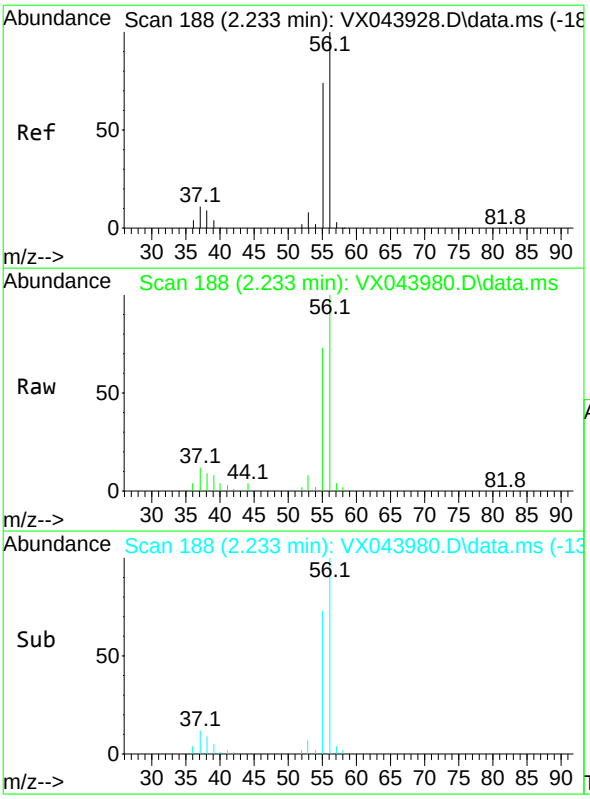


#12
1,1-Dichloroethene
Concen: 17.236 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 96 Resp: 25636

Ion	Ratio	Lower	Upper
96	100		
61	182.9	135.5	203.3
98	66.4	50.8	76.2

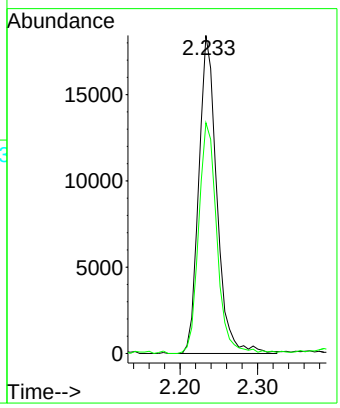




#13
Acrolein
Concen: 79.545 ug/l
RT: 2.233 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 56 Resp: 29794

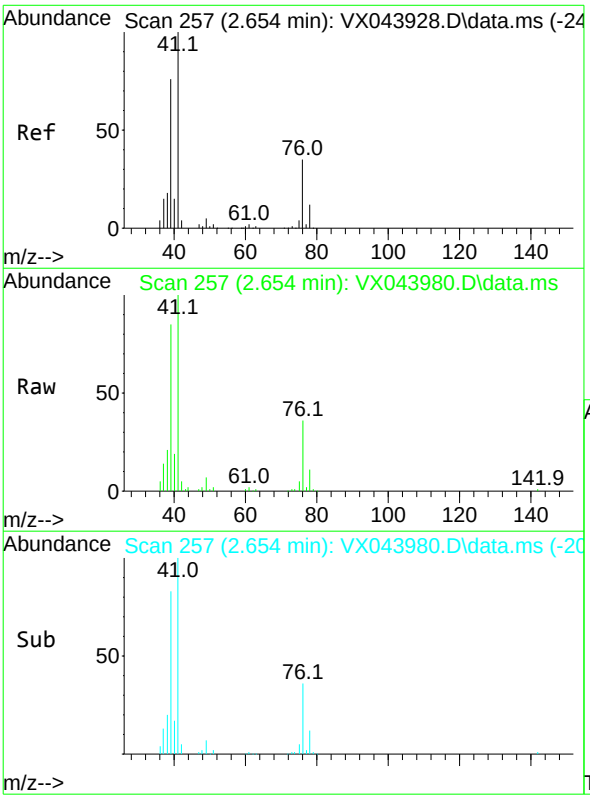
Ion	Ratio	Lower	Upper
56	100		
55	73.7	58.2	87.2



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

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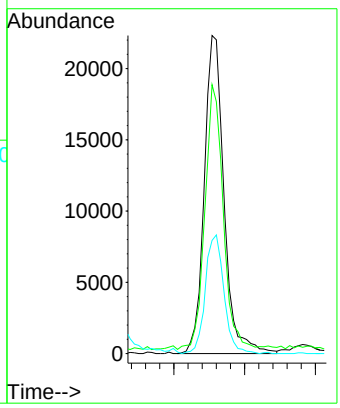
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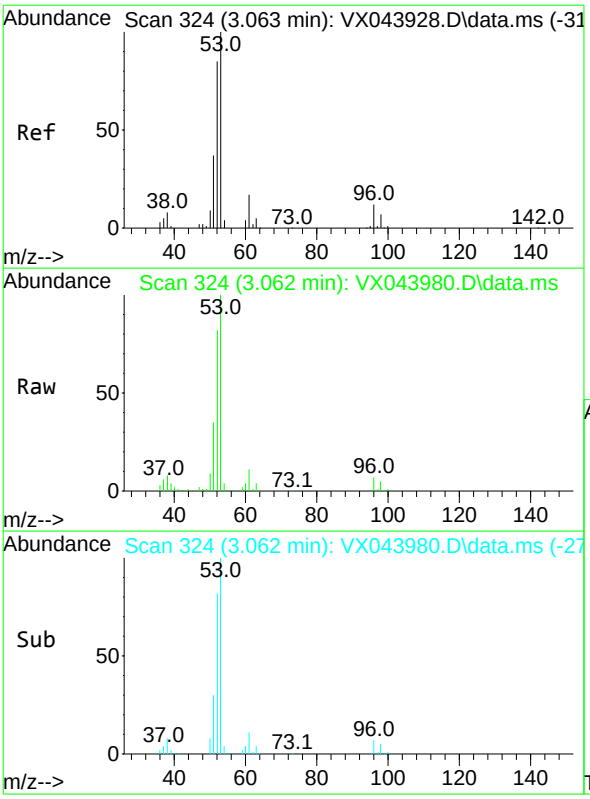


#14
Allyl chloride
Concen: 17.842 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 41 Resp: 43363

Ion	Ratio	Lower	Upper
41	100		
39	77.0	59.5	89.3
76	35.1	27.4	41.2





#15
Acrylonitrile
Concen: 90.547 ug/l
RT: 3.062 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

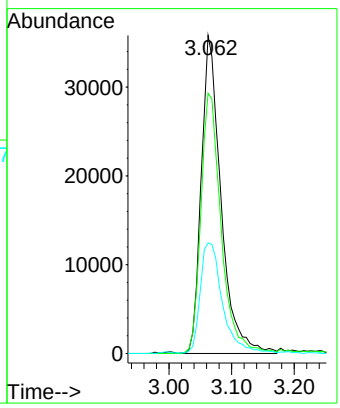
Tgt Ion: 53 Resp: 78411

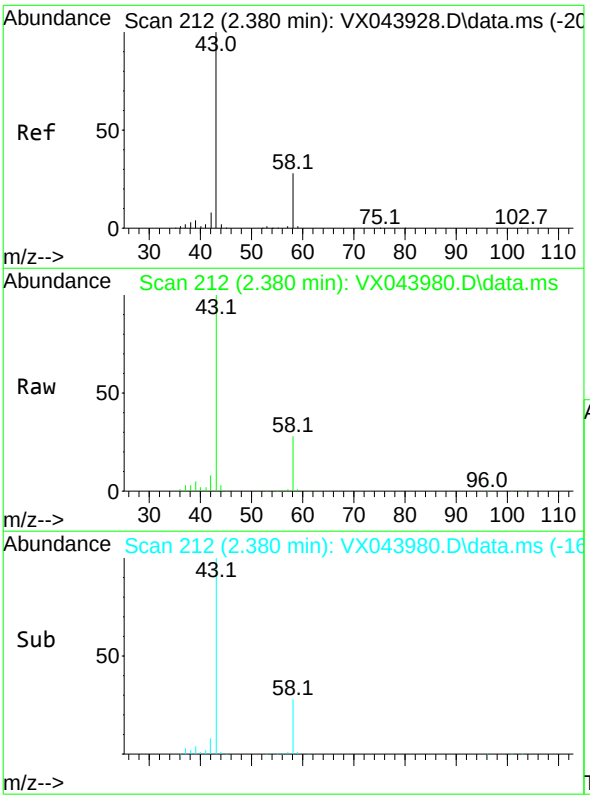
Ion	Ratio	Lower	Upper
53	100		
52	84.0	66.5	99.7
51	38.5	30.2	45.4

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

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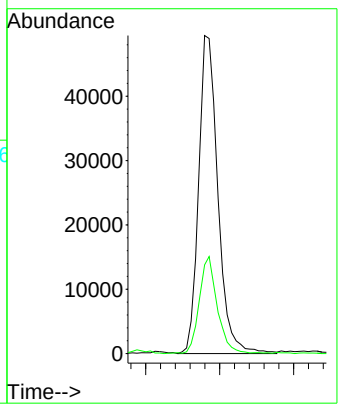


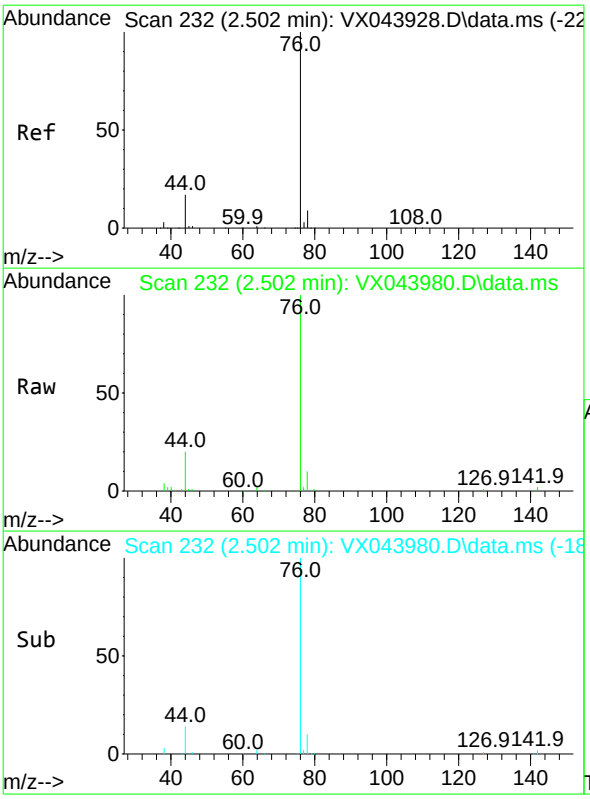


#16
Acetone
Concen: 87.837 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 43 Resp: 89315

Ion	Ratio	Lower	Upper
43	100		
58	27.6	22.7	34.1

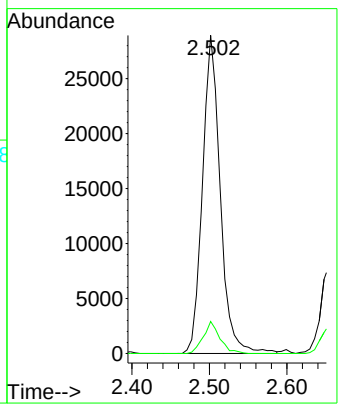




#17
Carbon Disulfide
Concen: 15.048 ug/l
RT: 2.502 min Scan# 23
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 76 Resp: 46168

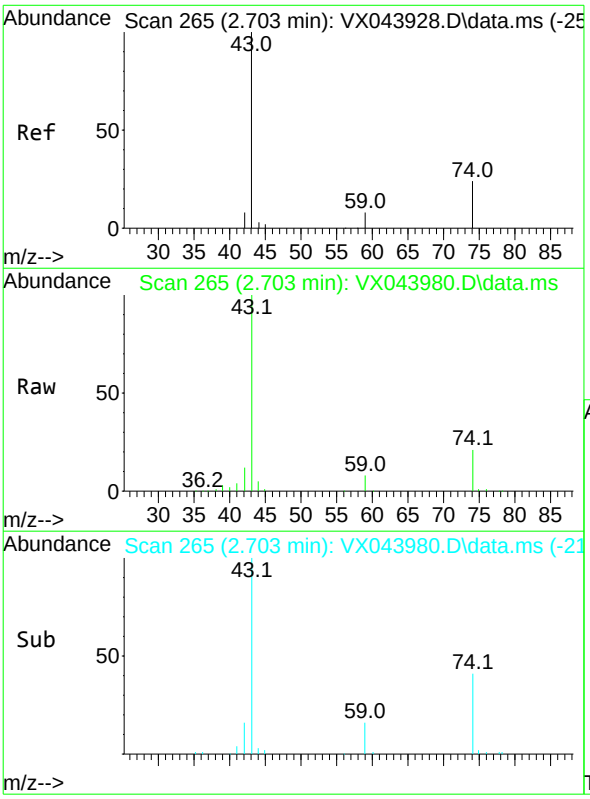
Ion	Ratio	Lower	Upper
76	100		
78	10.1	7.0	10.6



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

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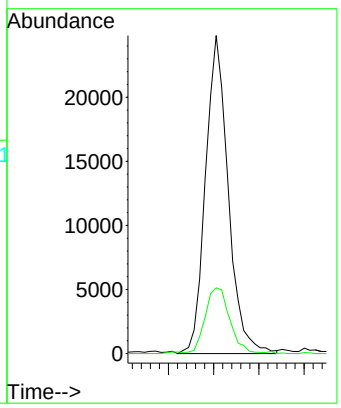
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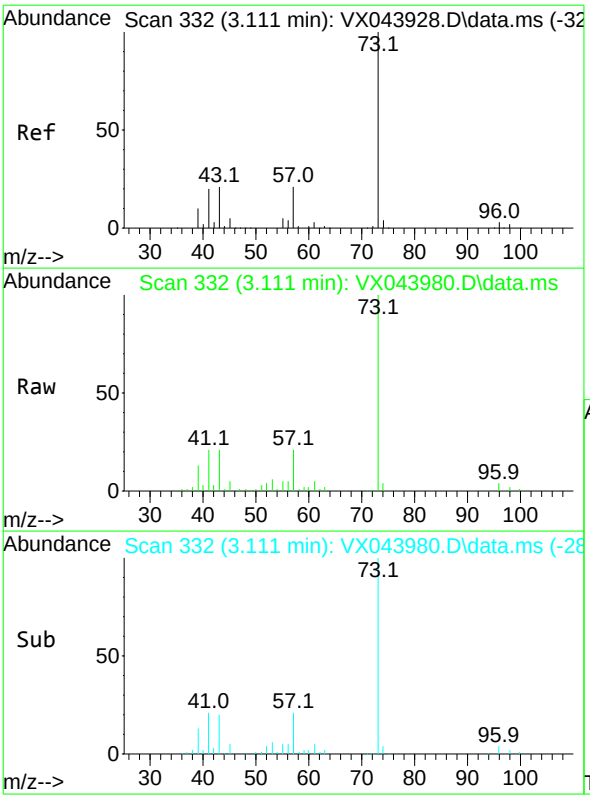


#18
Methyl Acetate
Concen: 18.308 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 43 Resp: 43353

Ion	Ratio	Lower	Upper
43	100		
74	23.0	18.9	28.3

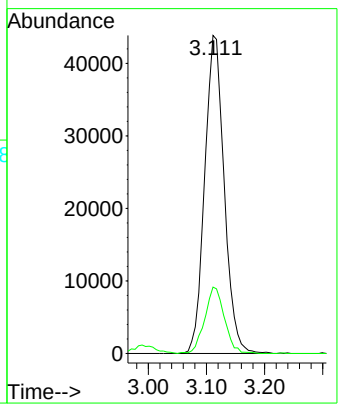




#19
Methyl tert-butyl Ether
Concen: 18.961 ug/l
RT: 3.111 min Scan# 33
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 73 Resp: 102397

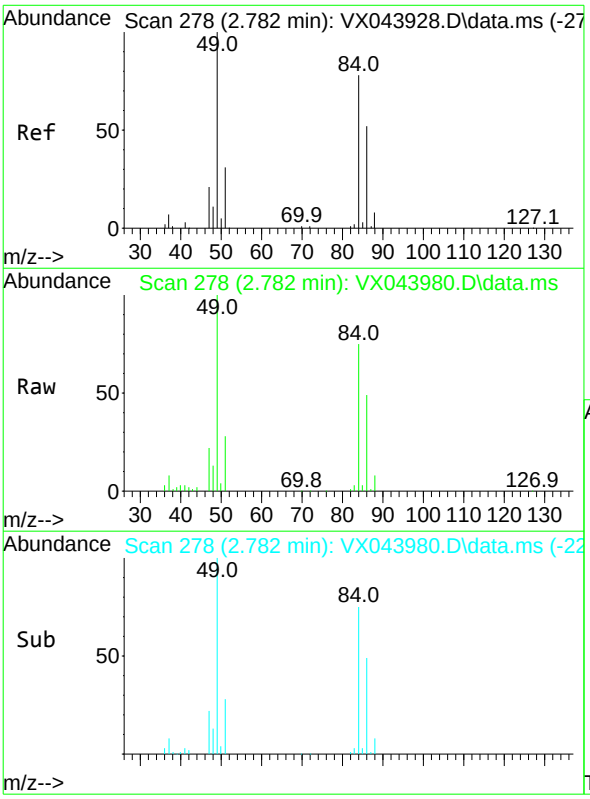
Ion	Ratio	Lower	Upper
73	100		
57	20.9	17.0	25.6



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

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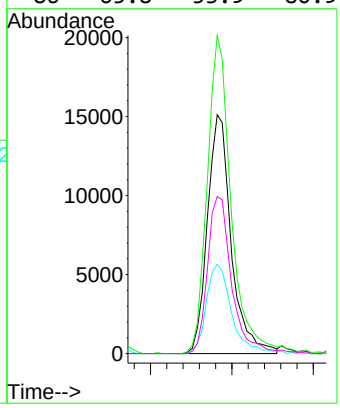
Reviewed By :Mahesh Dadoda 11/26/2024
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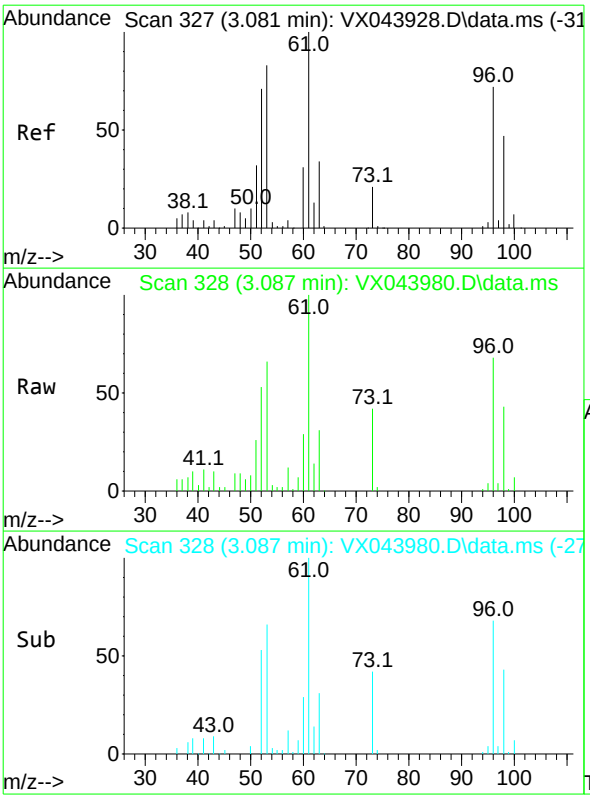


#20
Methylene Chloride
Concen: 17.791 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 84 Resp: 30699

Ion	Ratio	Lower	Upper
84	100		
49	133.2	102.7	154.1
51	37.4	31.7	47.5
86	65.8	53.9	80.9

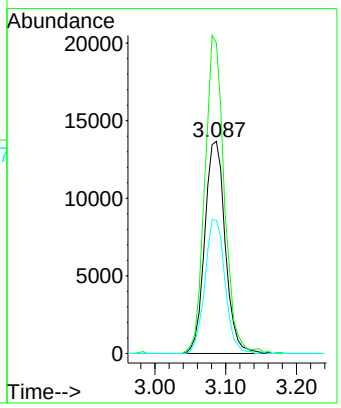




#21
trans-1,2-Dichloroethene
Concen: 17.893 ug/l
RT: 3.087 min Scan# 32
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 96 Resp: 27476

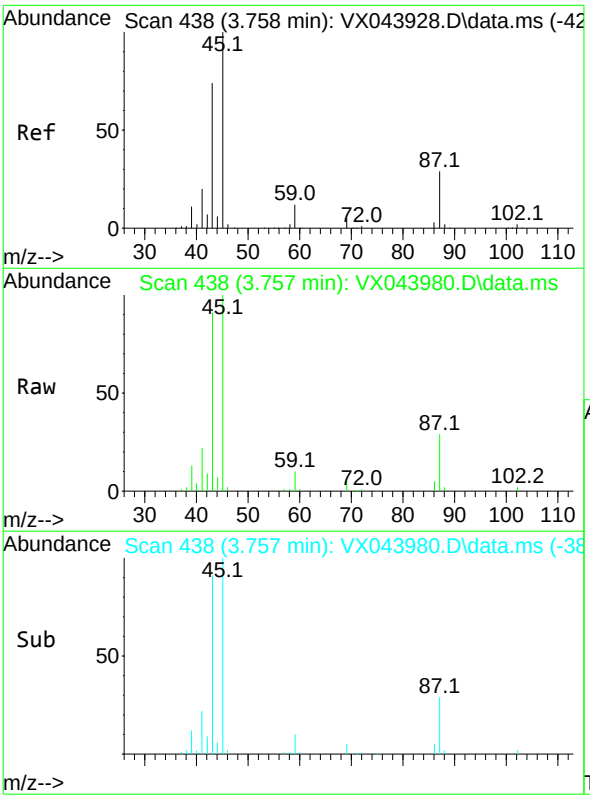
Ion	Ratio	Lower	Upper
96	100		
61	146.3	111.8	167.6
98	62.8	52.7	79.1



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
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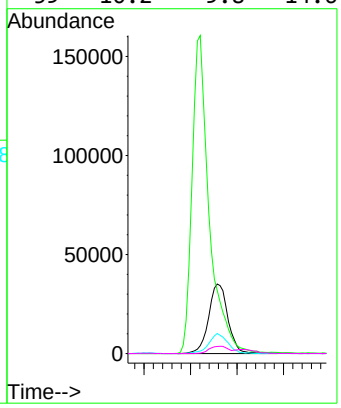
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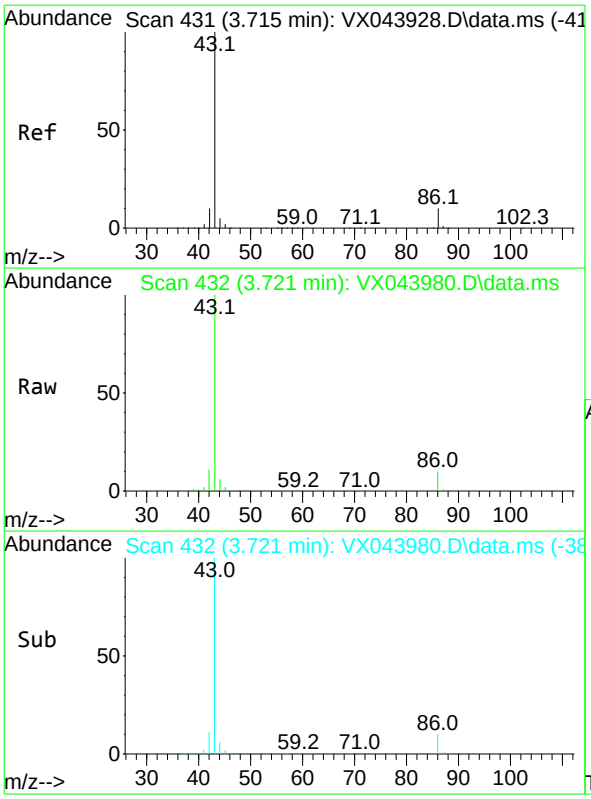


#22
Diisopropyl ether
Concen: 19.474 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 45 Resp: 101204

Ion	Ratio	Lower	Upper
45	100		
43	90.3	59.6	89.4#
87	28.8	22.9	34.3
59	10.2	9.8	14.6

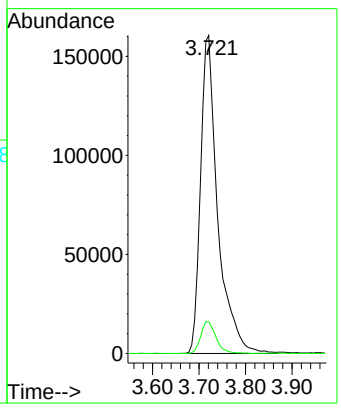




#23
Vinyl Acetate
Concen: 92.903 ug/l
RT: 3.721 min Scan# 43
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 43 Resp: 413005

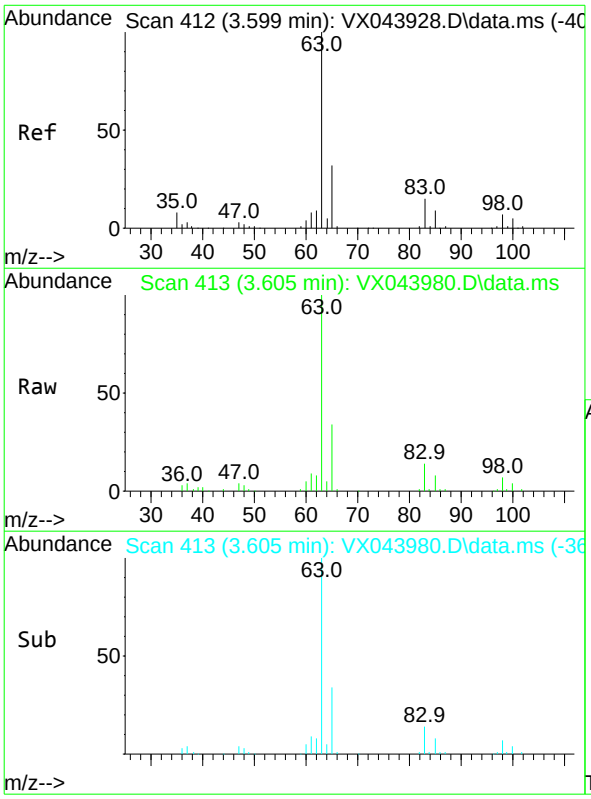
Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

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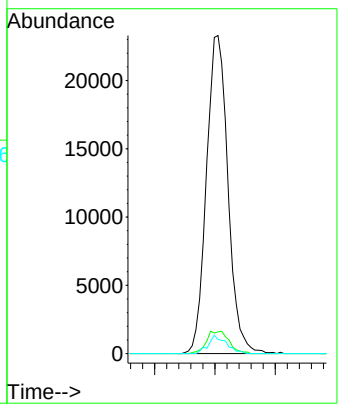
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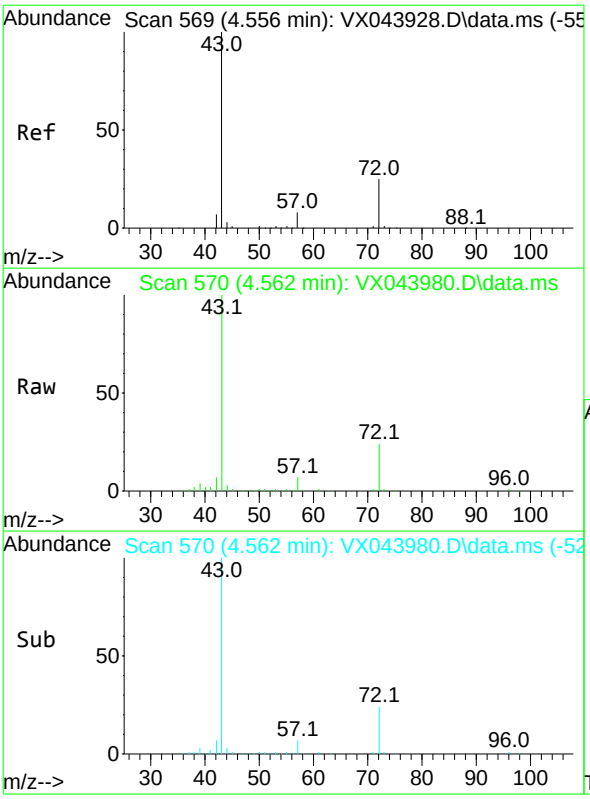


#24
1,1-Dichloroethane
Concen: 19.291 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 63 Resp: 57833

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.5	10.6
100	4.5	2.4	7.1

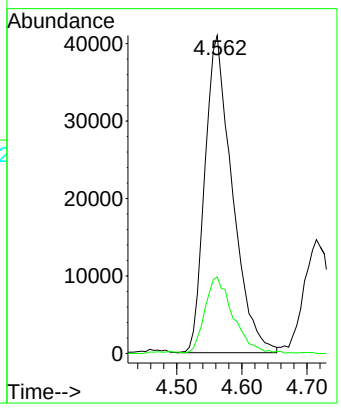




#25
2-Butanone
Concen: 91.330 ug/l
RT: 4.562 min Scan# 57
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 43 Resp: 119828

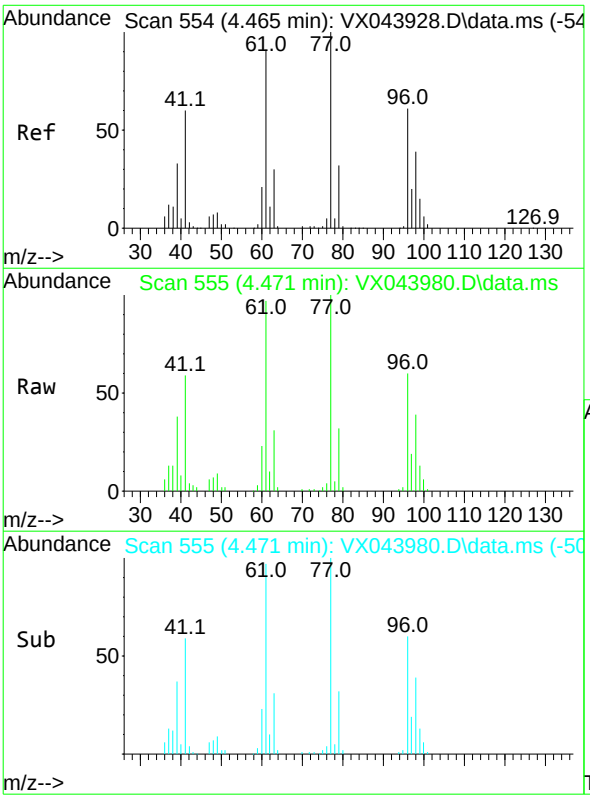
Ion	Ratio	Lower	Upper
43	100		
72	23.7	20.2	30.2



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

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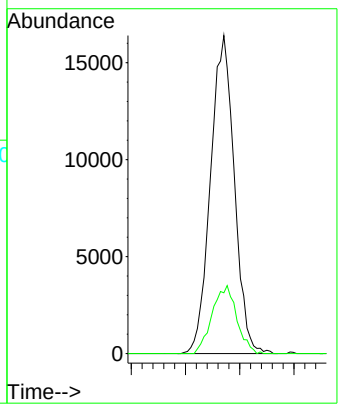
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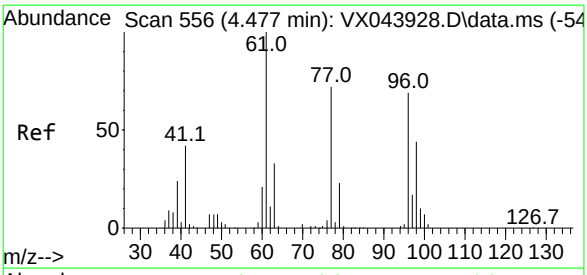


#26
2,2-Dichloropropane
Concen: 18.480 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 77 Resp: 50034

Ion	Ratio	Lower	Upper
77	100		
97	21.9	10.8	32.3





#27
cis-1,2-Dichloroethene
Concen: 18.672 ug/l
RT: 4.483 min Scan# 55
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

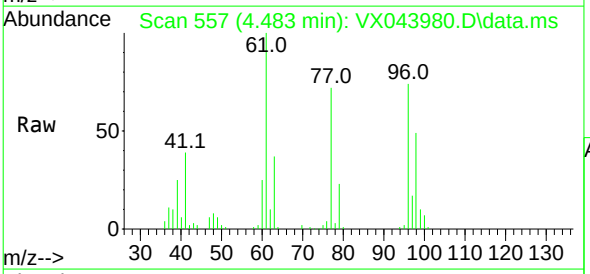
Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

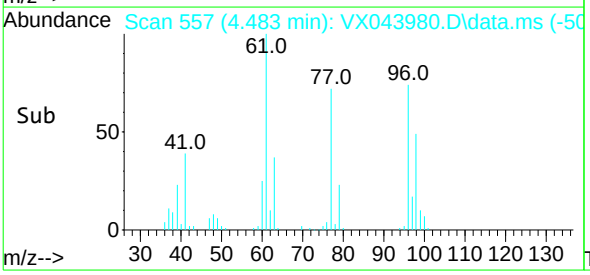
Tgt Ion: 96 Resp: 35442

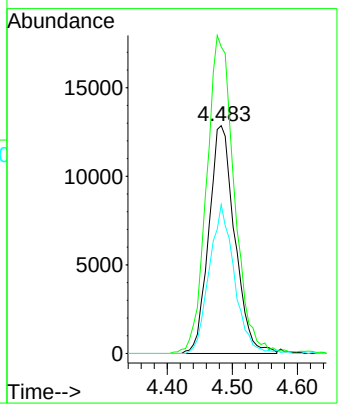
Ion	Ratio	Lower	Upper
96	100		
61	149.4	0.0	297.4
98	63.4	0.0	127.8

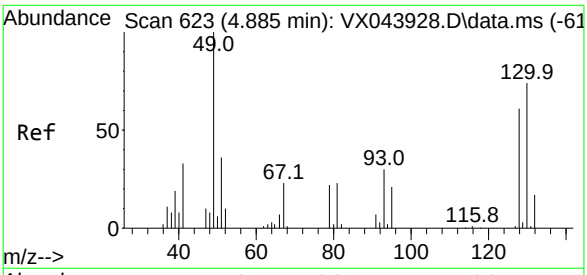
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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024





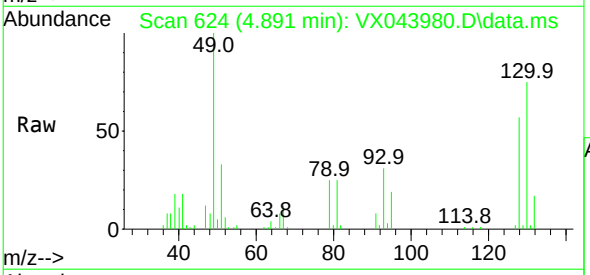


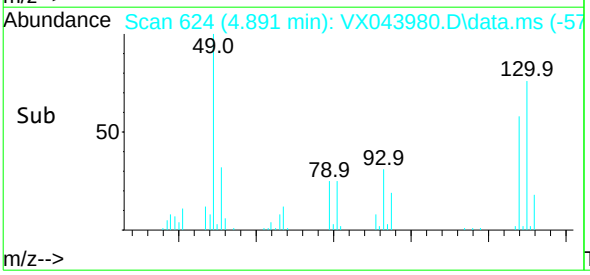


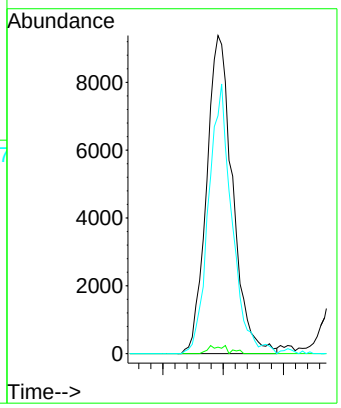
#28
Bromochloromethane
Concen: 21.335 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

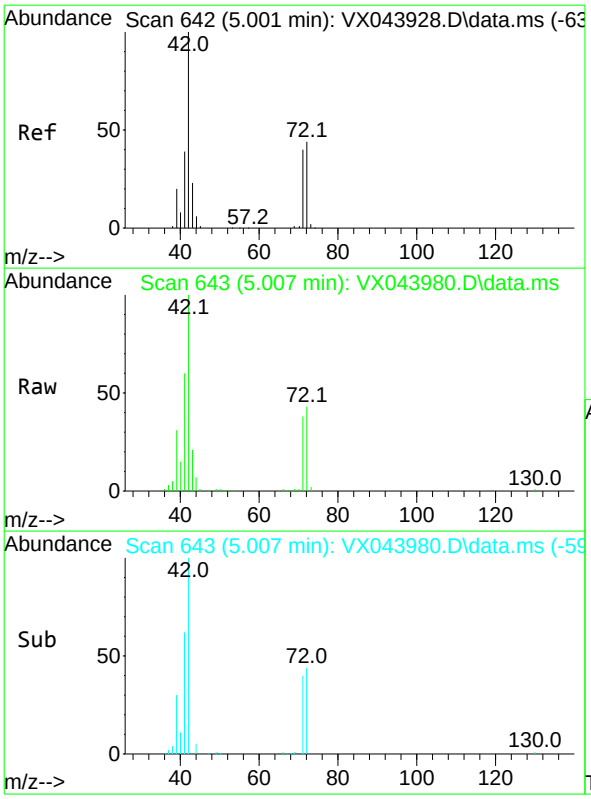
Tgt Ion: 49 Resp: 28155

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.0
130	76.0	59.0	88.6





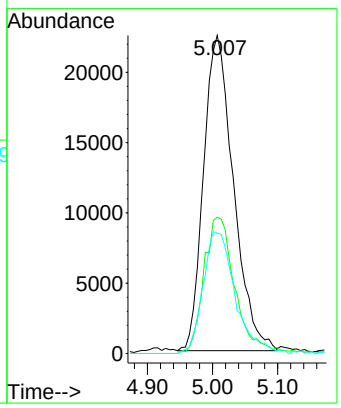




#29
Tetrahydrofuran
Concen: 89.055 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 42 Resp: 71632

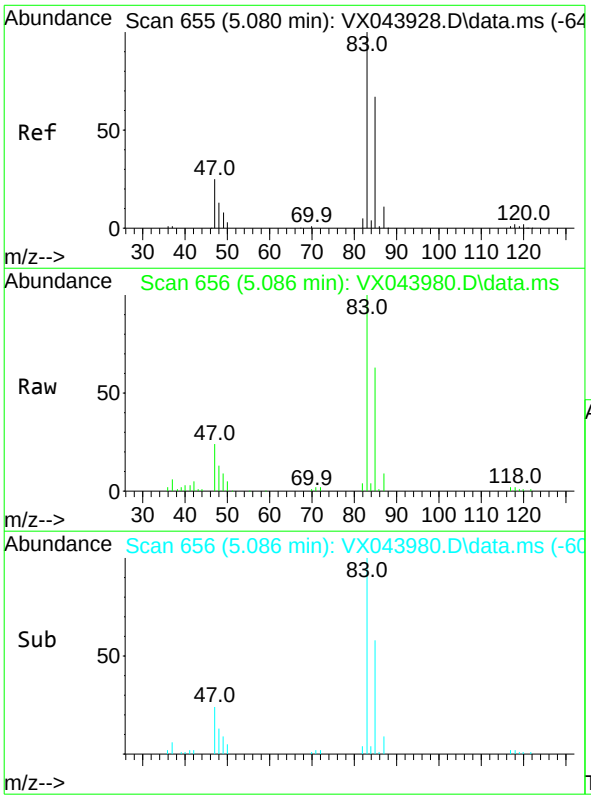
Ion	Ratio	Lower	Upper
42	100		
72	45.2	36.4	54.6
71	41.2	33.4	50.0



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
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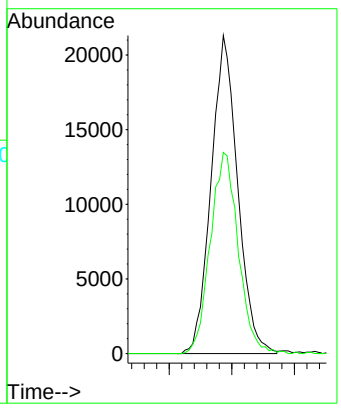
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

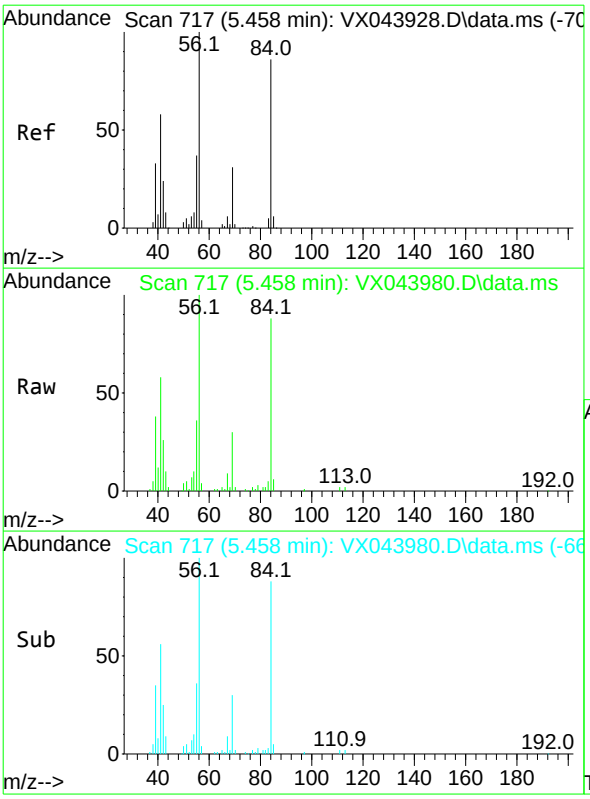


#30
Chloroform
Concen: 19.474 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 83 Resp: 62792

Ion	Ratio	Lower	Upper
83	100		
85	63.2	53.5	80.3





#31
Cyclohexane
Concen: 17.907 ug/l
RT: 5.458 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

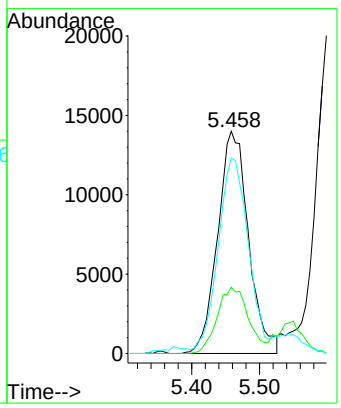
Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

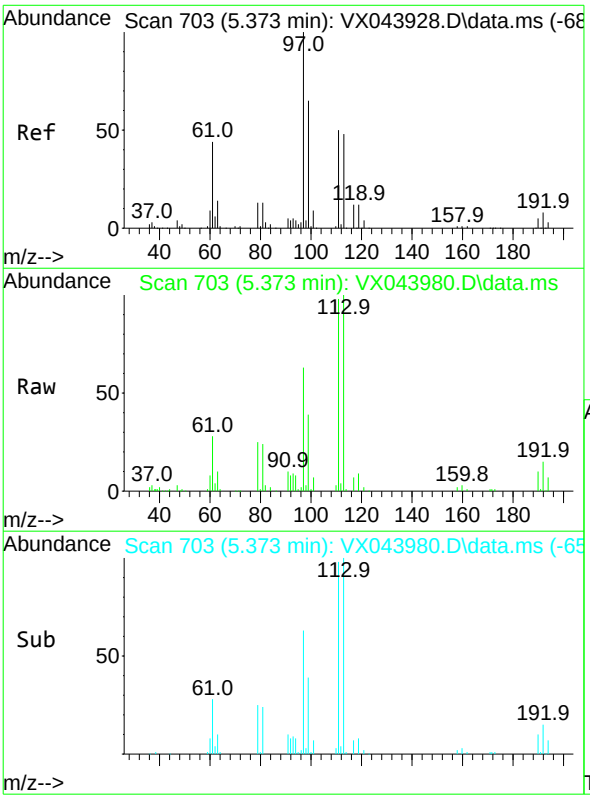
Tgt Ion: 56 Resp: 44185

Ion	Ratio	Lower	Upper
56	100		
69	29.9	24.7	37.1
84	85.4	68.7	103.1

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Supervised By :Semsettin Yesilyurt 11/26/2024

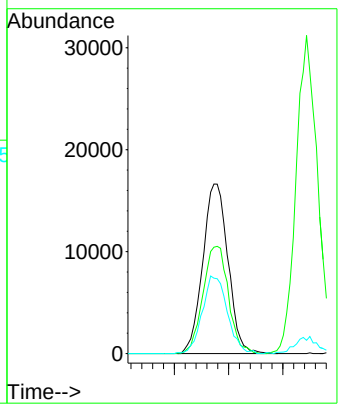


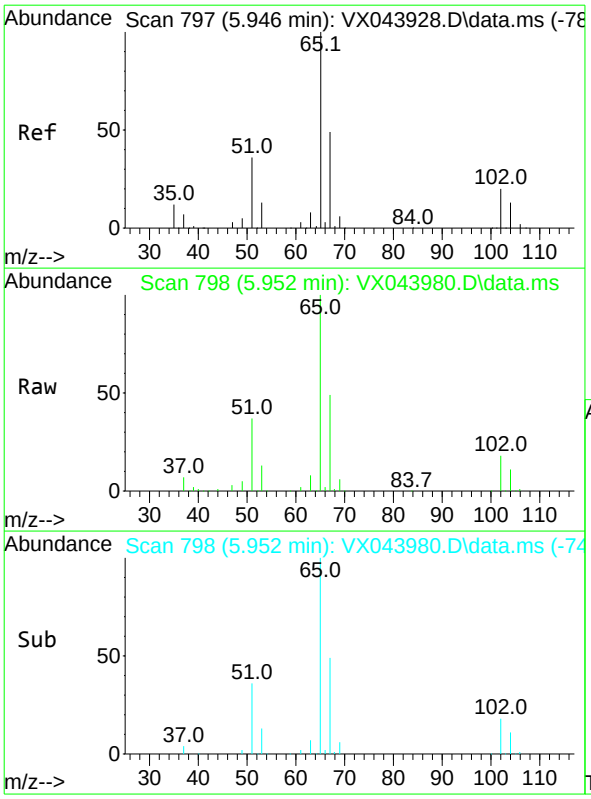


#32
1,1,1-Trichloroethane
Concen: 19.321 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 97 Resp: 53725

Ion	Ratio	Lower	Upper
97	100		
99	63.8	50.8	76.2
61	45.3	35.4	53.2

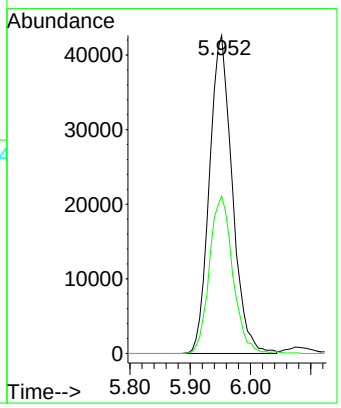




#33
1,2-Dichloroethane-d4
Concen: 50.577 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 65 Resp: 111972

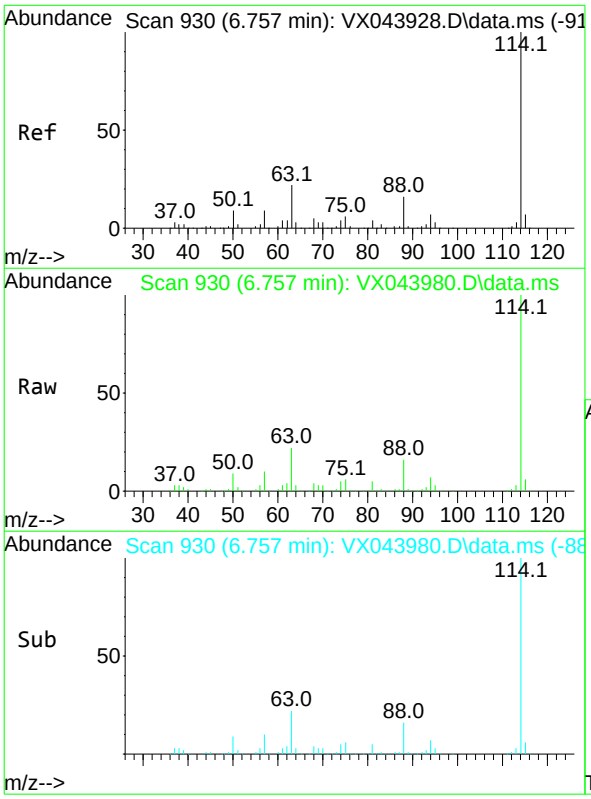
Ion	Ratio	Lower	Upper
65	100		
67	50.4	0.0	100.8



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
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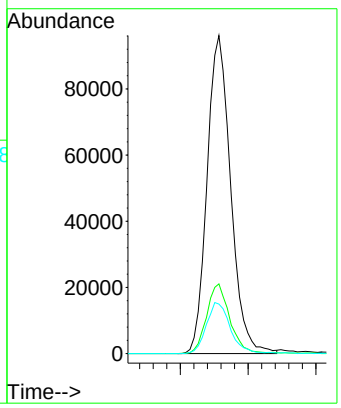
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

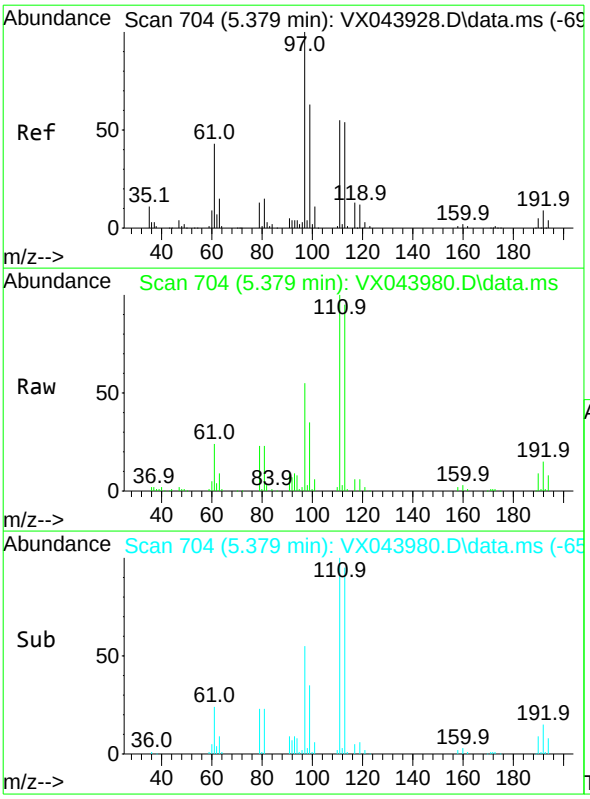


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:114 Resp: 232630

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	44.0
88	15.6	0.0	32.4

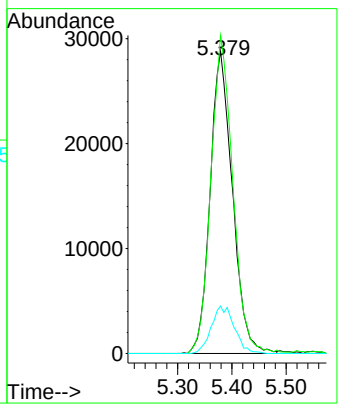




#35
Dibromofluoromethane
Concen: 49.406 ug/l
RT: 5.379 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:113 Resp: 82126

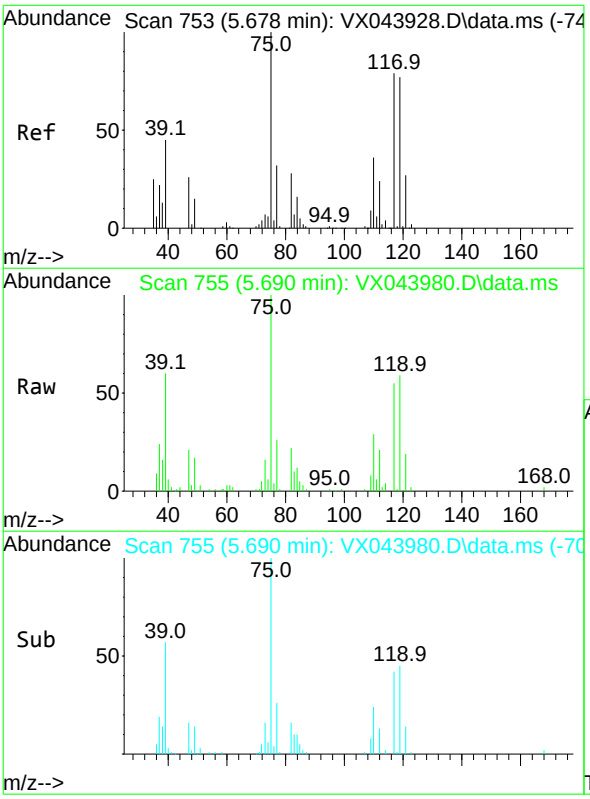
Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.0	121.4
192	16.3	13.0	19.6



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
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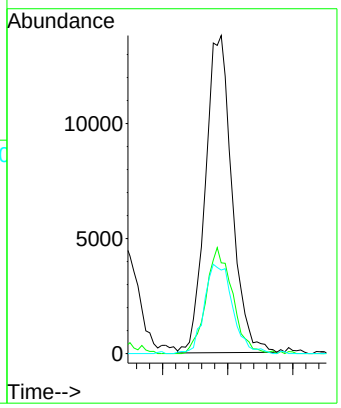
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

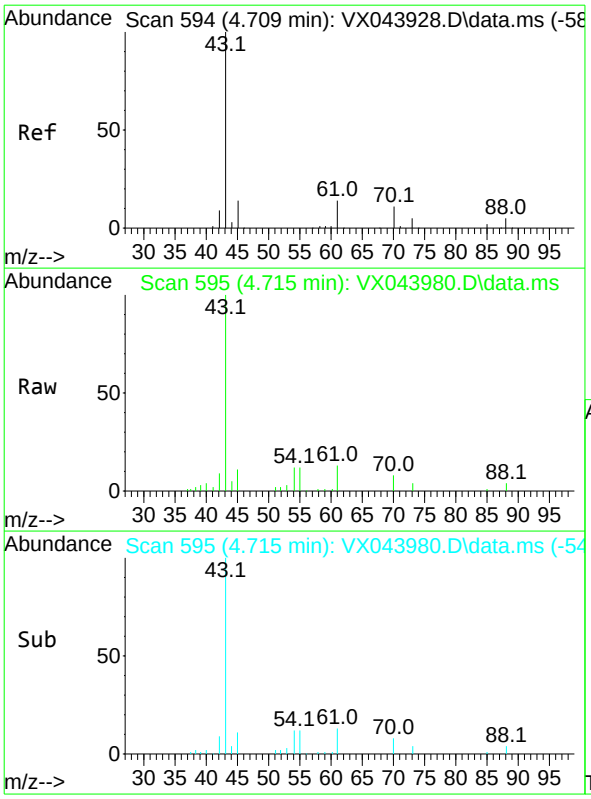


#36
1,1-Dichloropropene
Concen: 18.830 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.012 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 75 Resp: 39005

Ion	Ratio	Lower	Upper
75	100		
110	33.2	17.4	52.2
77	30.0	25.8	38.8





#37
Ethyl Acetate
Concen: 16.958 ug/l
RT: 4.715 min Scan# 59
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

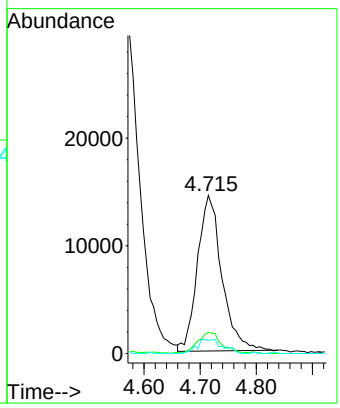
Tgt Ion: 43 Resp: 43604

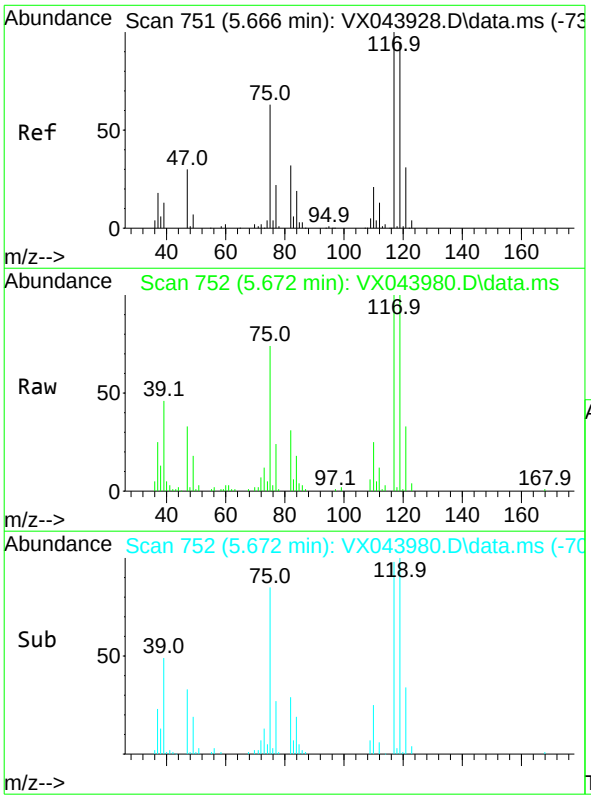
Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.7	16.1
70	9.4	8.0	12.0

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

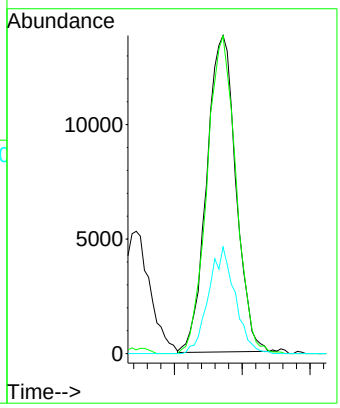


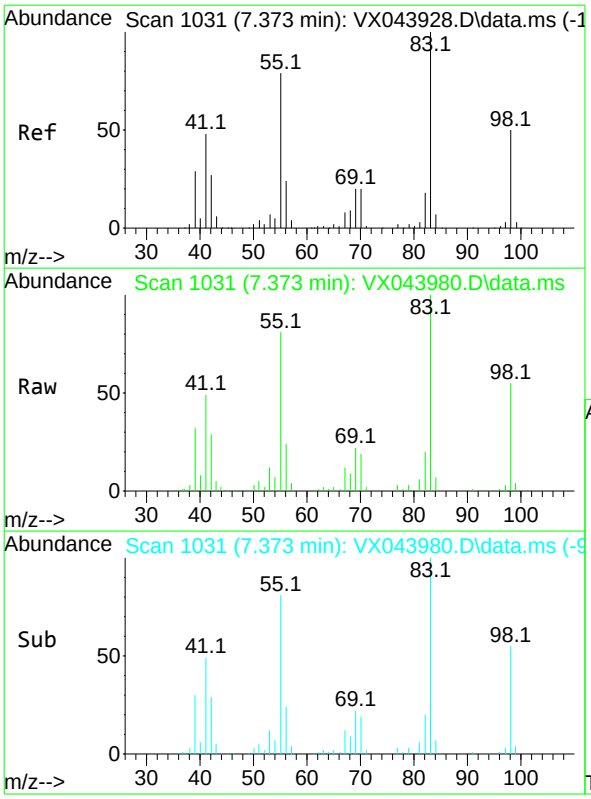


#38
Carbon Tetrachloride
Concen: 17.769 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:117 Resp: 41358

Ion	Ratio	Lower	Upper
117	100		
119	100.6	75.2	112.8
121	33.7	24.5	36.7





#39
Methylcyclohexane
Concen: 17.047 ug/l
RT: 7.373 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

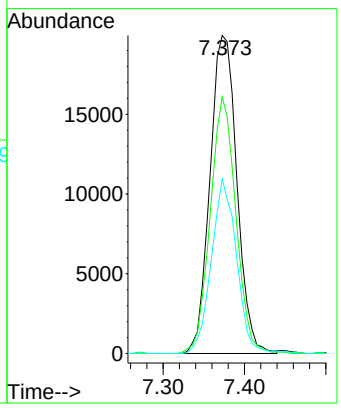
Tgt Ion: 83 Resp: 45874

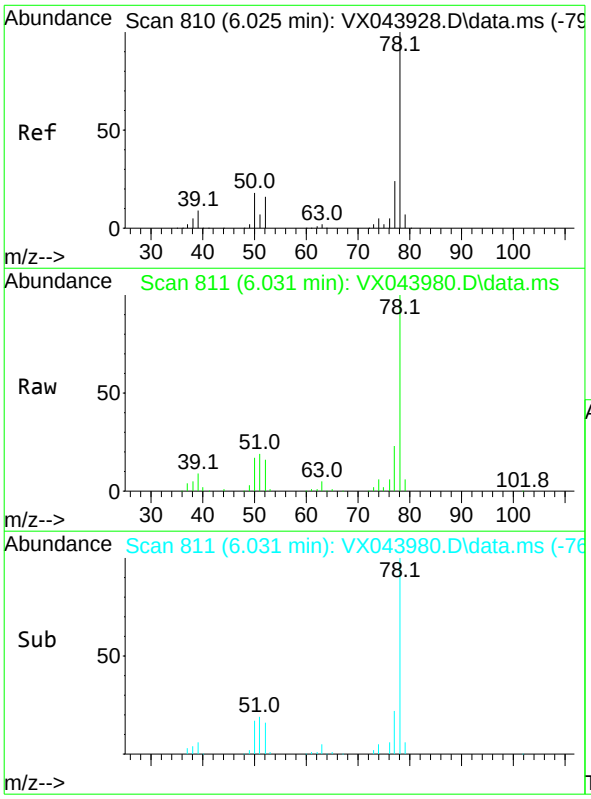
Ion	Ratio	Lower	Upper
83	100		
55	80.7	63.1	94.7
98	54.9	40.0	60.0

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

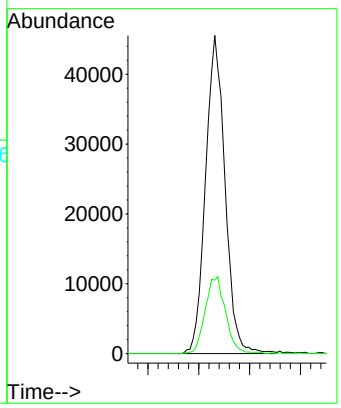


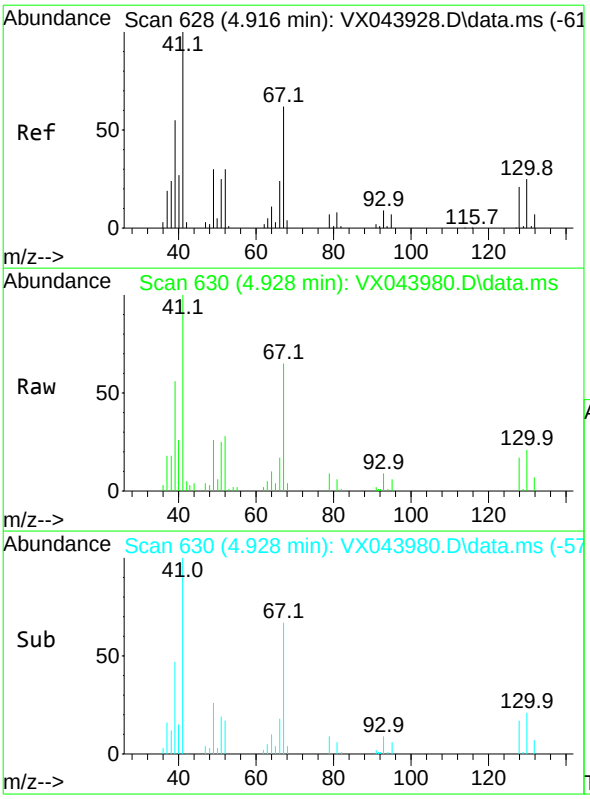


#40
Benzene
Concen: 18.797 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 78 Resp: 121280

Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.2	28.8





#41
Methacrylonitrile
Concen: 18.537 ug/l
RT: 4.928 min Scan# 63
Delta R.T. 0.012 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

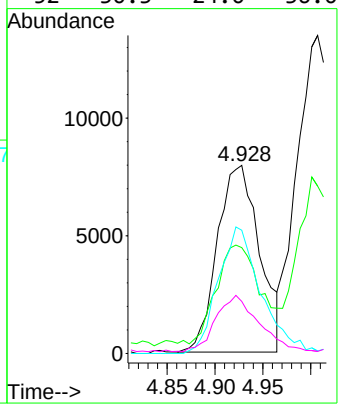
Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

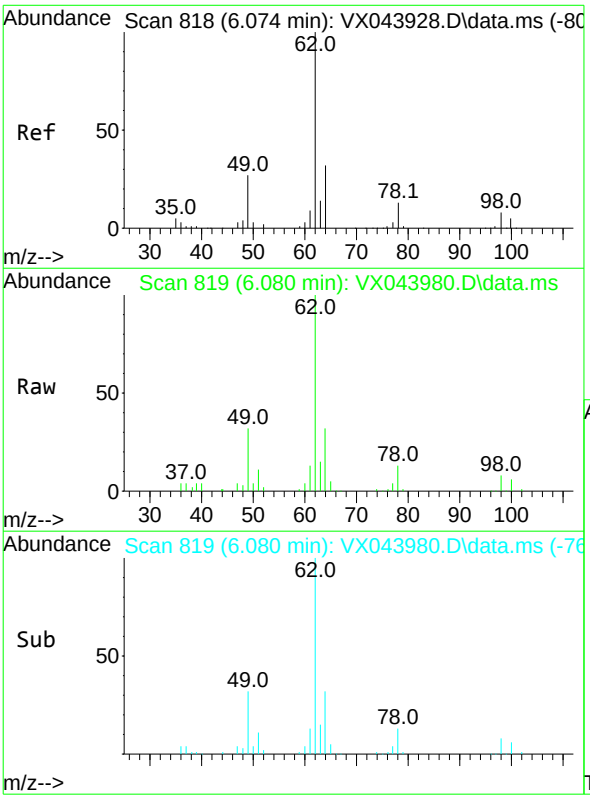
Tgt Ion: 41 Resp: 24395

Ion	Ratio	Lower	Upper
41	100		
39	57.0	41.7	62.5
67	69.4	55.8	83.8
52	30.3	24.0	36.0

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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

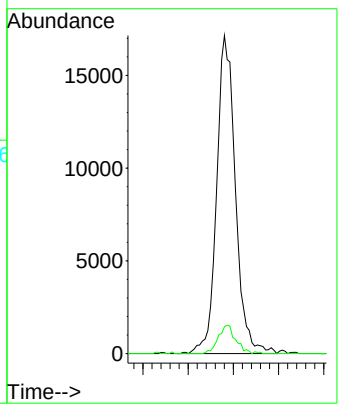


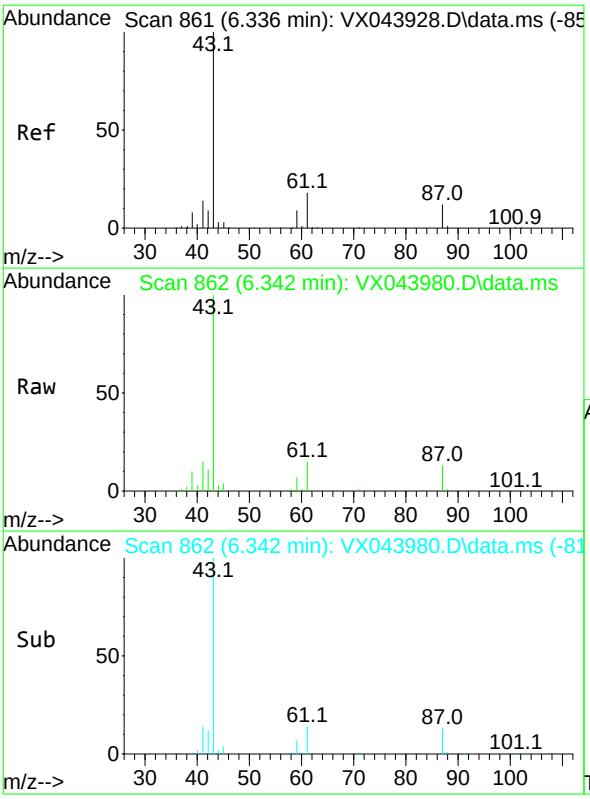


#42
1,2-Dichloroethane
Concen: 19.069 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 62 Resp: 49414

Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.4

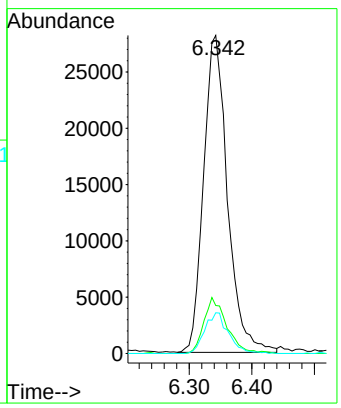




#43
Isopropyl Acetate
Concen: 18.280 ug/l
RT: 6.342 min Scan# 86
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 43 Resp: 74800

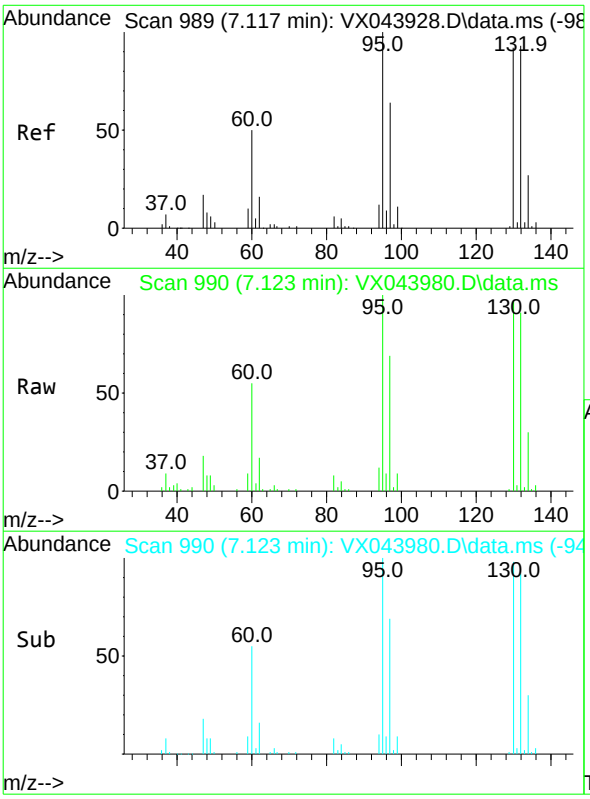
Ion	Ratio	Lower	Upper
43	100		
61	17.0	14.5	21.7
87	12.7	10.2	15.2



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
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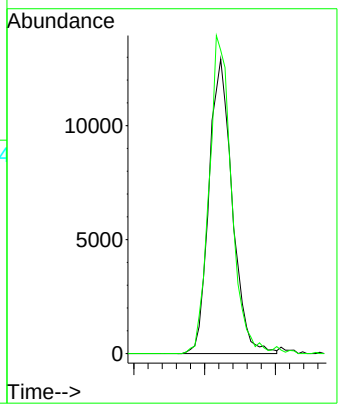
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

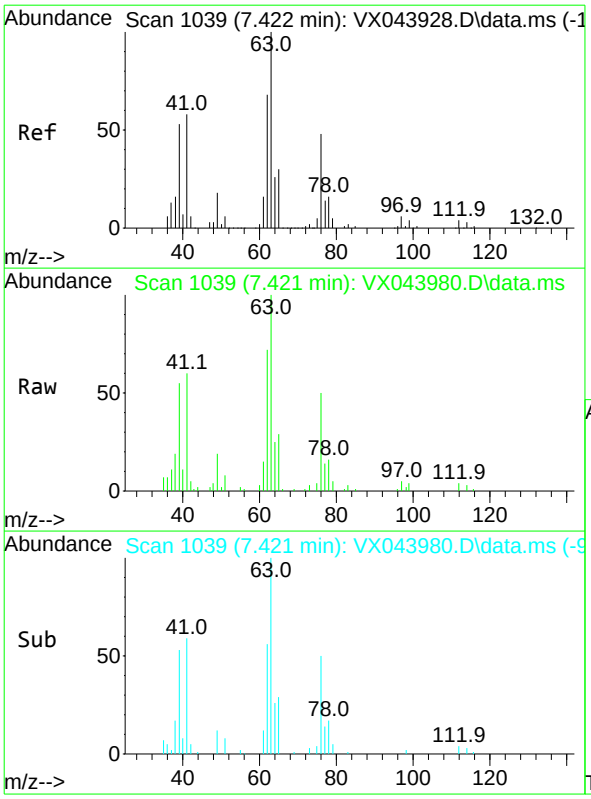


#44
Trichloroethene
Concen: 16.124 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:130 Resp: 29451

Ion	Ratio	Lower	Upper
130	100		
95	103.0	0.0	217.8

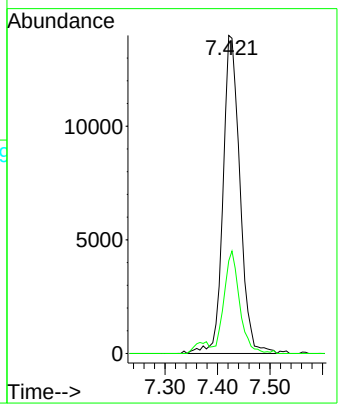




#45
1,2-Dichloropropane
Concen: 19.833 ug/l
RT: 7.421 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 63 Resp: 31342

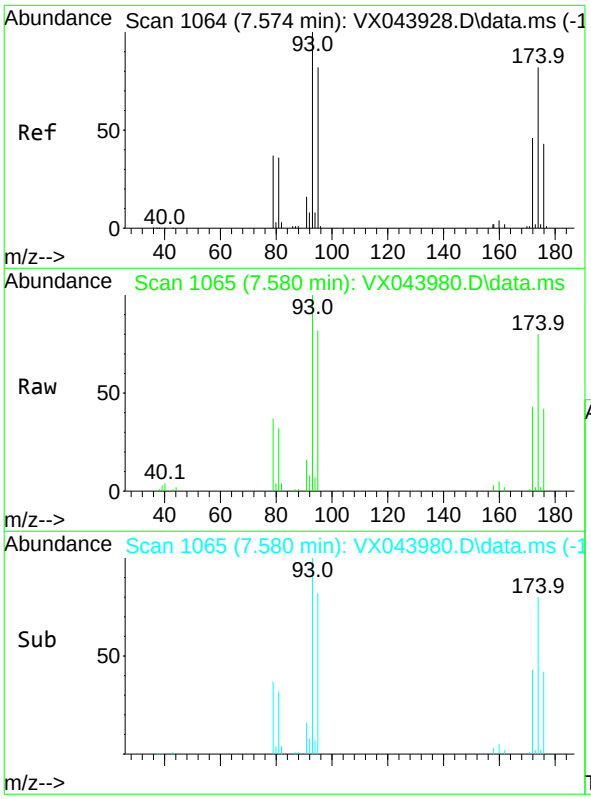
Ion	Ratio	Lower	Upper
63	100		
65	29.1	23.8	35.6



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

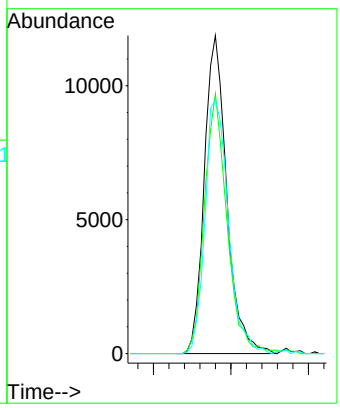
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

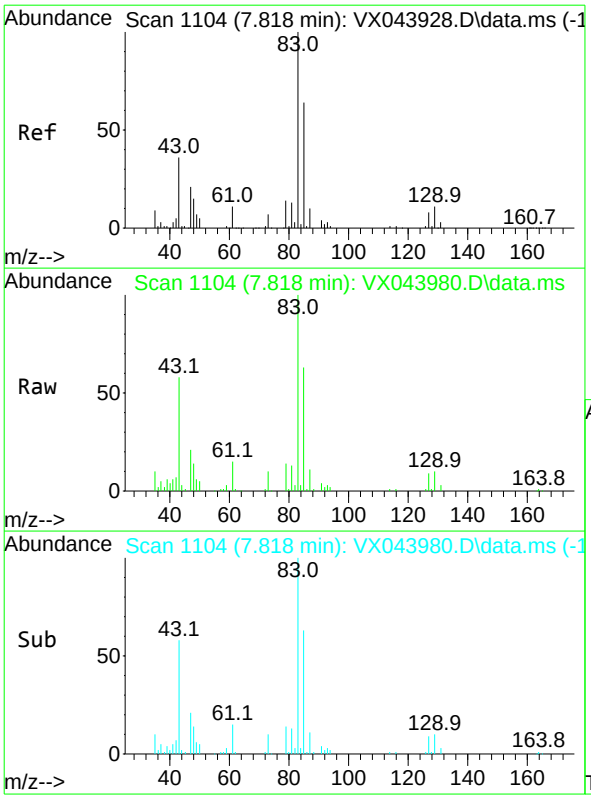


#46
Dibromomethane
Concen: 19.103 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 93 Resp: 23880

Ion	Ratio	Lower	Upper
93	100		
95	82.6	66.2	99.4
174	83.3	69.6	104.4

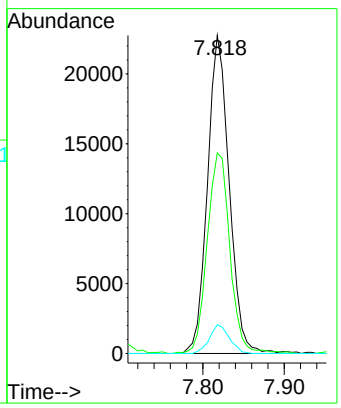




#47
Bromodichloromethane
Concen: 18.804 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 83 Resp: 42158

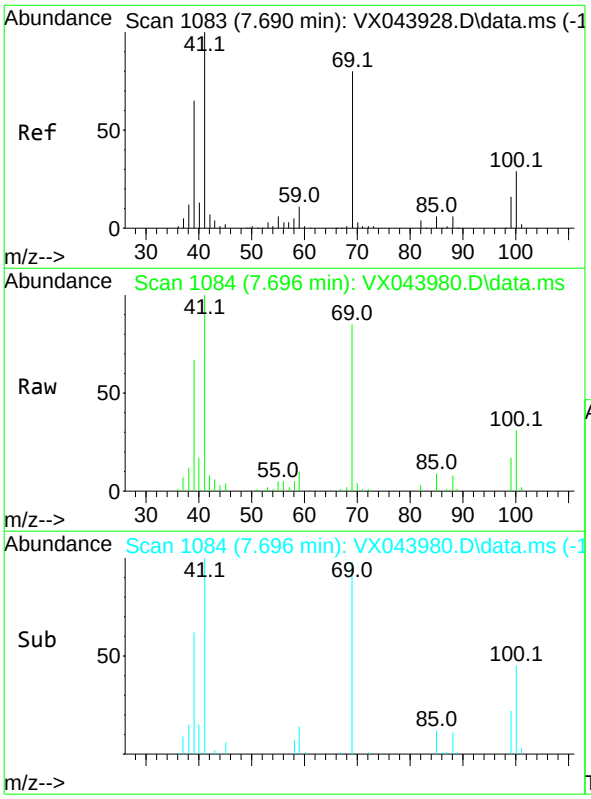
Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.4	77.0
127	9.0	6.6	10.0



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

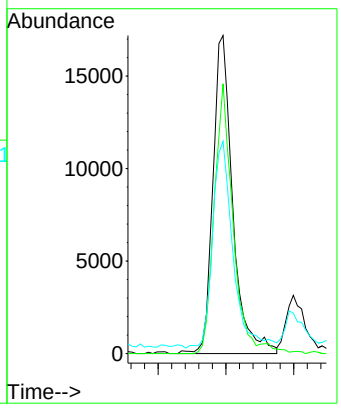
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

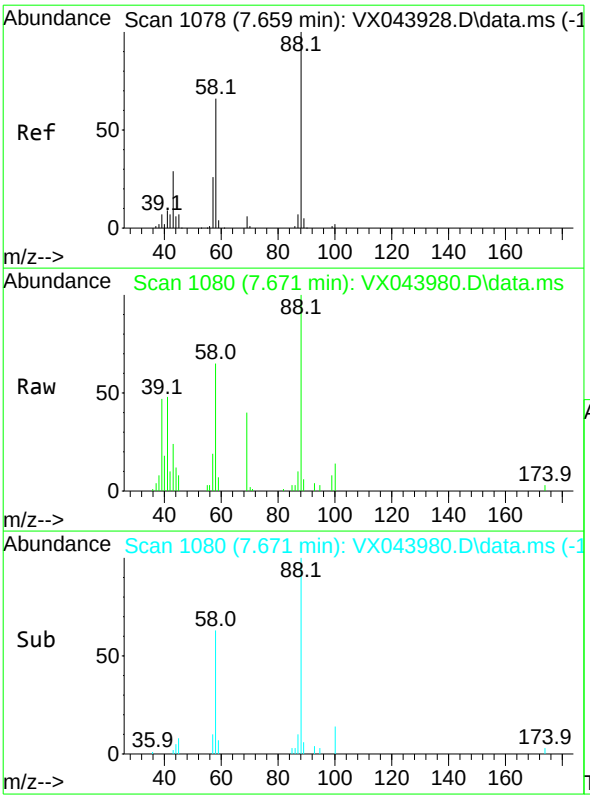


#48
Methyl methacrylate
Concen: 17.747 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 41 Resp: 34847

Ion	Ratio	Lower	Upper
41	100		
69	81.1	64.6	97.0
39	66.7	53.3	79.9

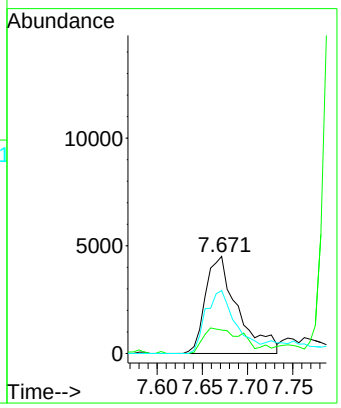




#49
1,4-Dioxane
Concen: 320.363 ug/l
RT: 7.671 min Scan# 10
Delta R.T. 0.012 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 88 Resp: 11205

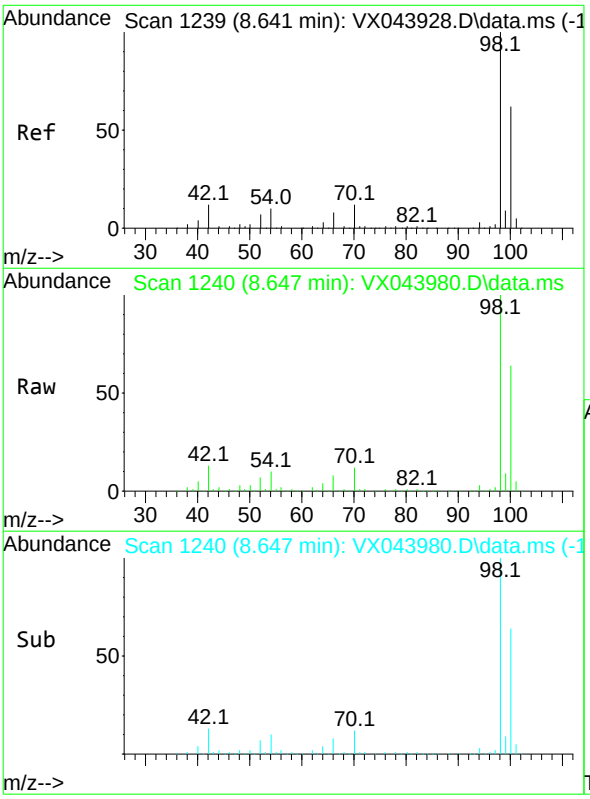
Ion	Ratio	Lower	Upper
88	100		
43	31.2	26.8	40.2
58	60.3	45.4	68.2



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

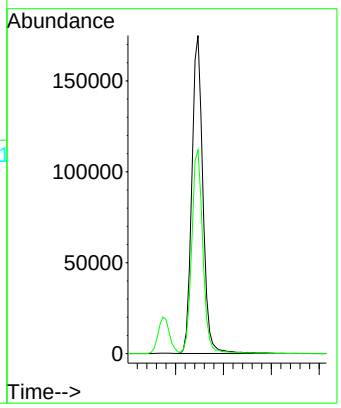
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

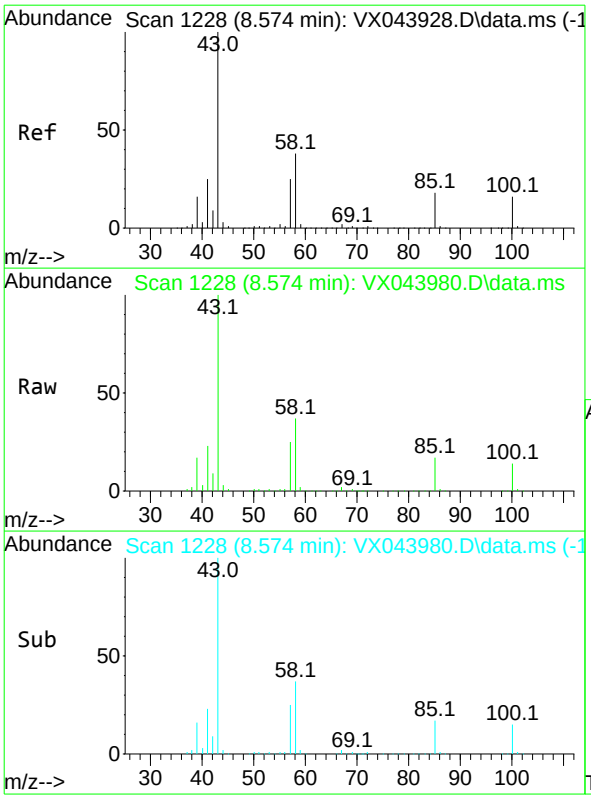


#50
Toluene-d8
Concen: 48.822 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 98 Resp: 279748

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.6	79.0

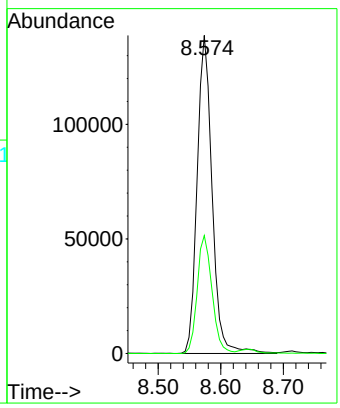




#51
4-Methyl-2-Pentanone
Concen: 92.377 ug/l
RT: 8.574 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 43 Resp: 230680

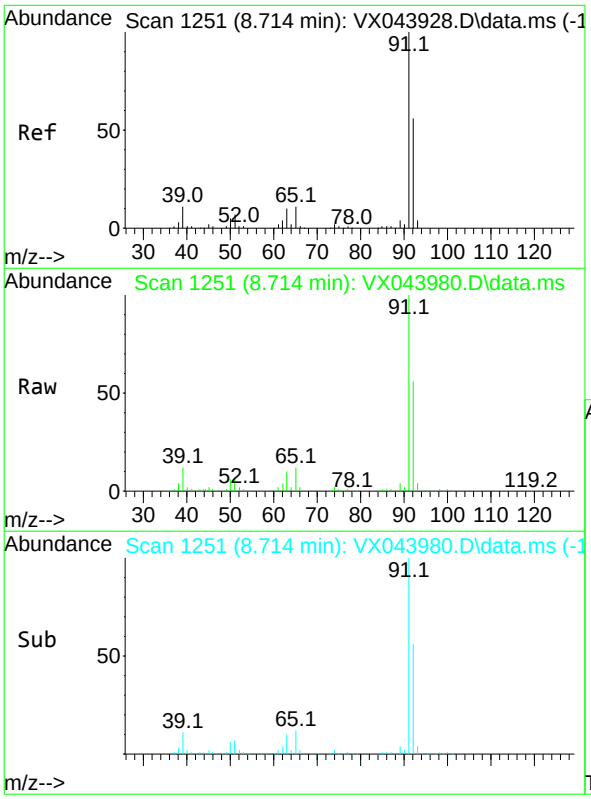
Ion	Ratio	Lower	Upper
43	100		
58	36.6	30.0	45.0



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

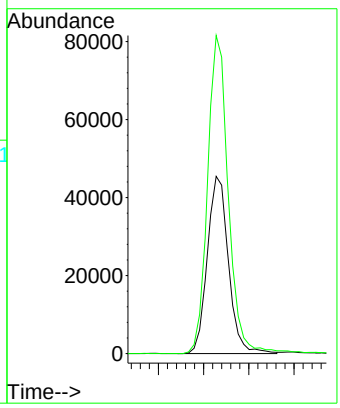
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

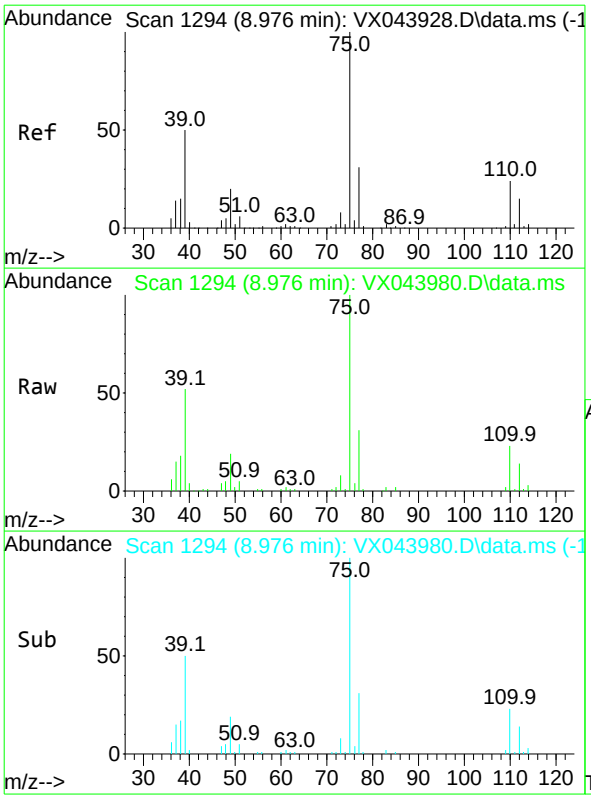


#52
Toluene
Concen: 19.100 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 92 Resp: 73761

Ion	Ratio	Lower	Upper
92	100		
91	177.2	139.7	209.5

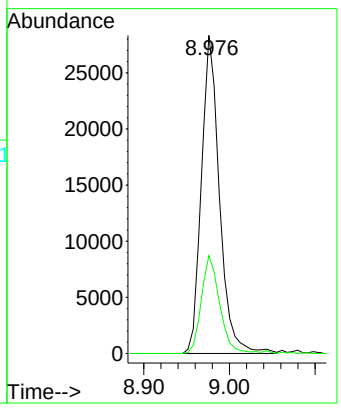




#53
t-1,3-Dichloropropene
Concen: 18.157 ug/l
RT: 8.976 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 75 Resp: 41513

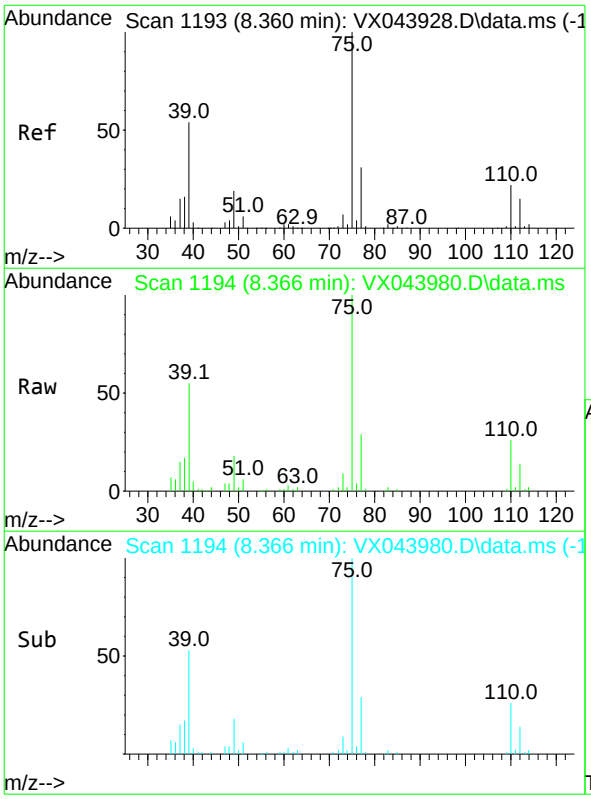
Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

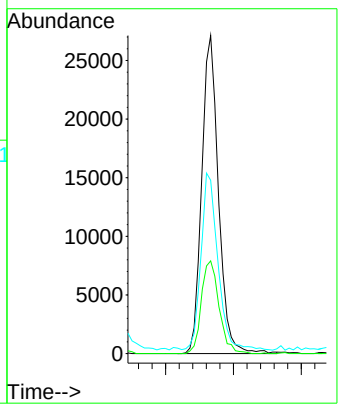
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

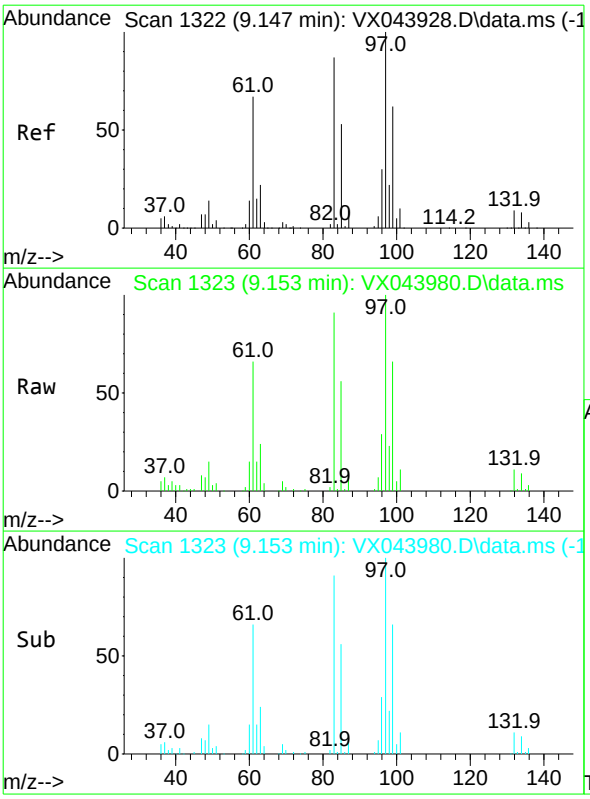


#54
cis-1,3-Dichloropropene
Concen: 18.559 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 75 Resp: 46516

Ion	Ratio	Lower	Upper
75	100		
77	29.1	25.2	37.8
39	53.0	43.1	64.7

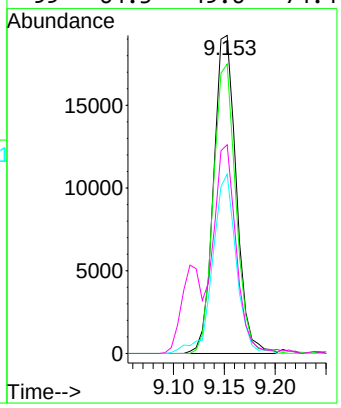




#55
1,1,2-Trichloroethane
Concen: 18.711 ug/l
RT: 9.153 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 97 Resp: 29828

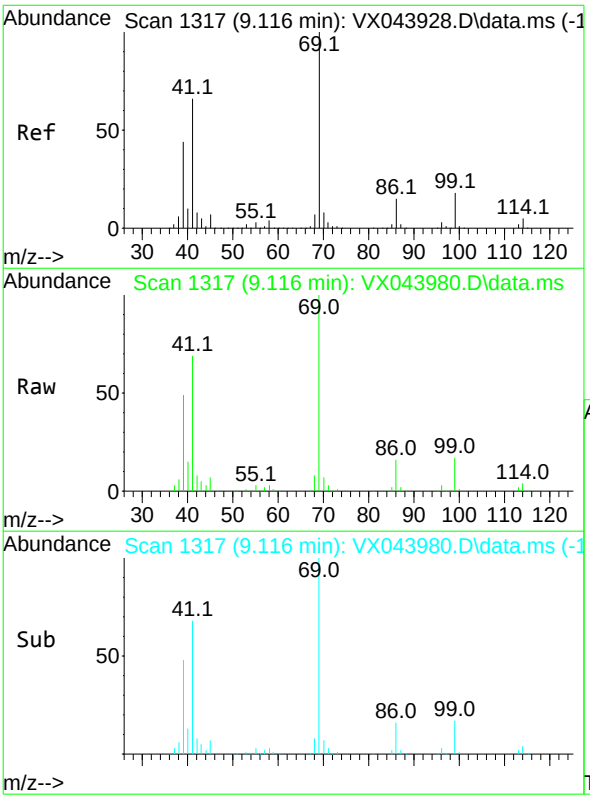
Ion	Ratio	Lower	Upper
97	100		
83	91.0	69.4	104.0
85	56.4	42.3	63.5
99	64.3	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

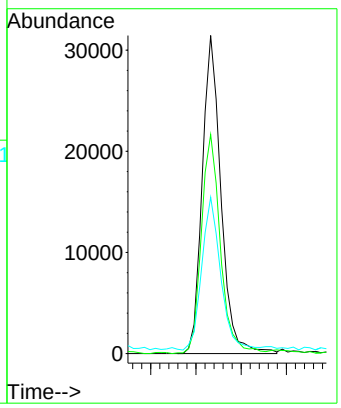
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

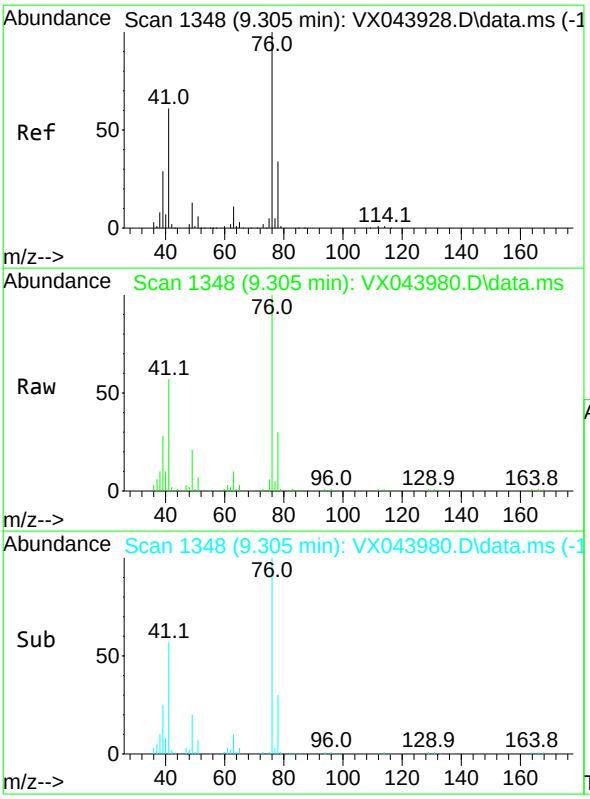


#56
Ethyl methacrylate
Concen: 18.265 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 69 Resp: 45352

Ion	Ratio	Lower	Upper
69	100		
41	69.7	55.8	83.8
39	48.4	36.7	55.1





#57
1,3-Dichloropropane
Concen: 19.493 ug/l
RT: 9.305 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

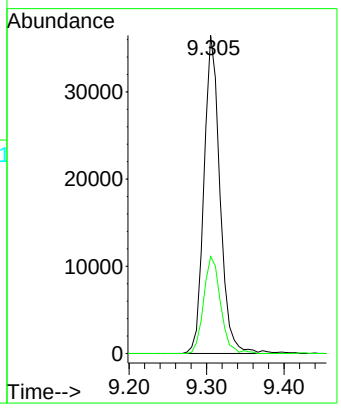
Tgt Ion: 76 Resp: 52347

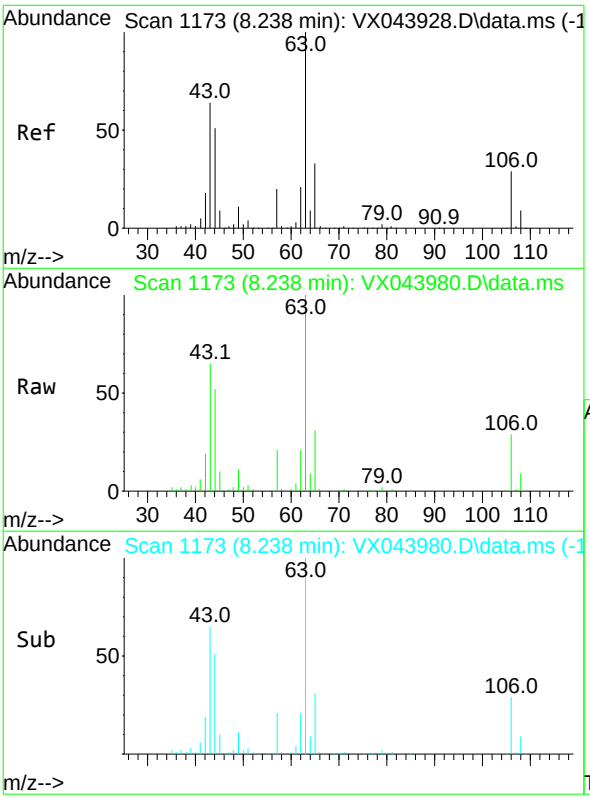
Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.0	39.0

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

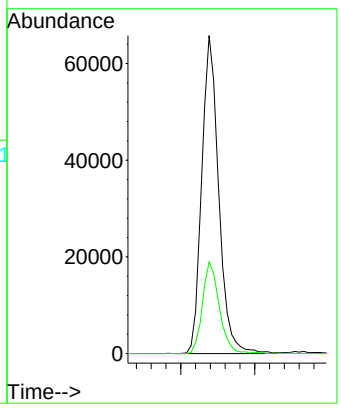


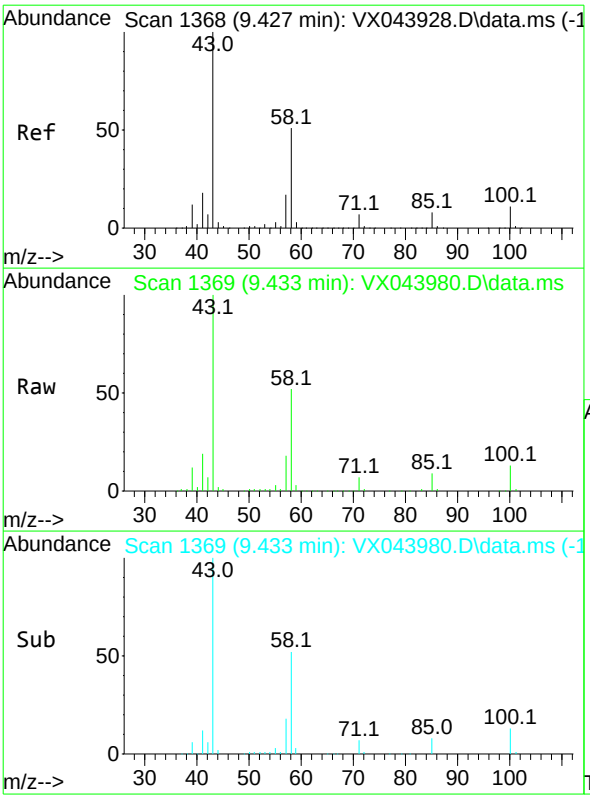


#58
2-Chloroethyl Vinyl ether
Concen: 76.406 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 63 Resp: 104808

Ion	Ratio	Lower	Upper
63	100		
106	28.7	23.0	34.6





#59
2-Hexanone
Concen: 90.646 ug/l
RT: 9.433 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

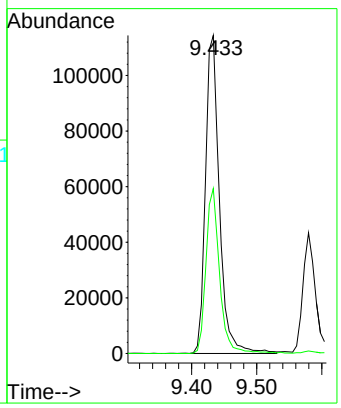
Tgt Ion: 43 Resp: 170135

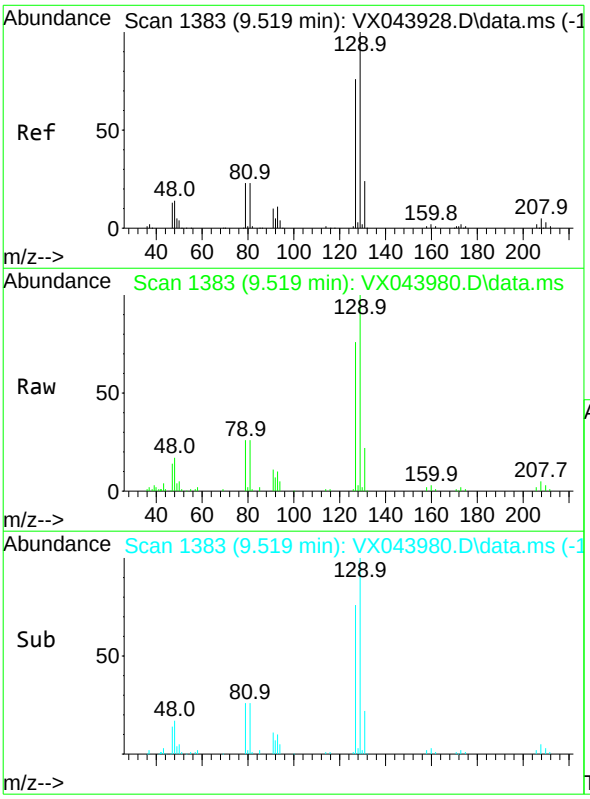
Ion	Ratio	Lower	Upper
43	100		
58	50.9	25.9	77.6

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

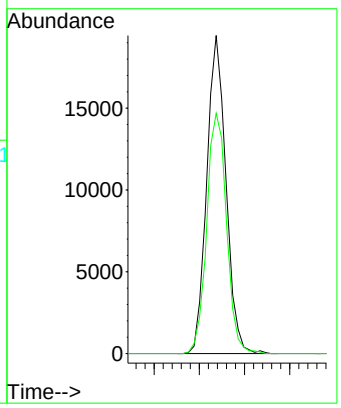


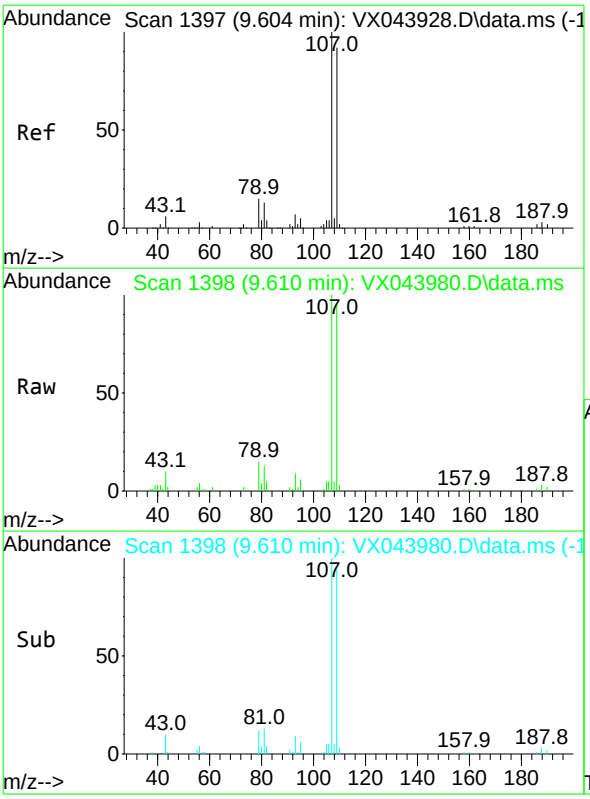


#60
Dibromochloromethane
Concen: 17.922 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:129 Resp: 28665

Ion	Ratio	Lower	Upper
129	100		
127	78.0	38.2	114.6

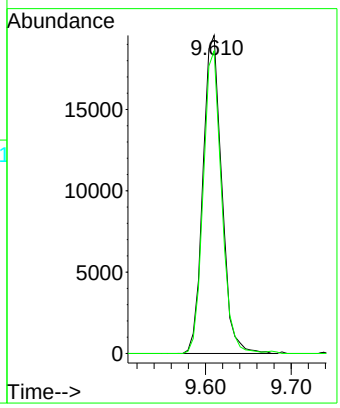




#61
1,2-Dibromoethane
Concen: 18.503 ug/l
RT: 9.610 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:107 Resp: 29826

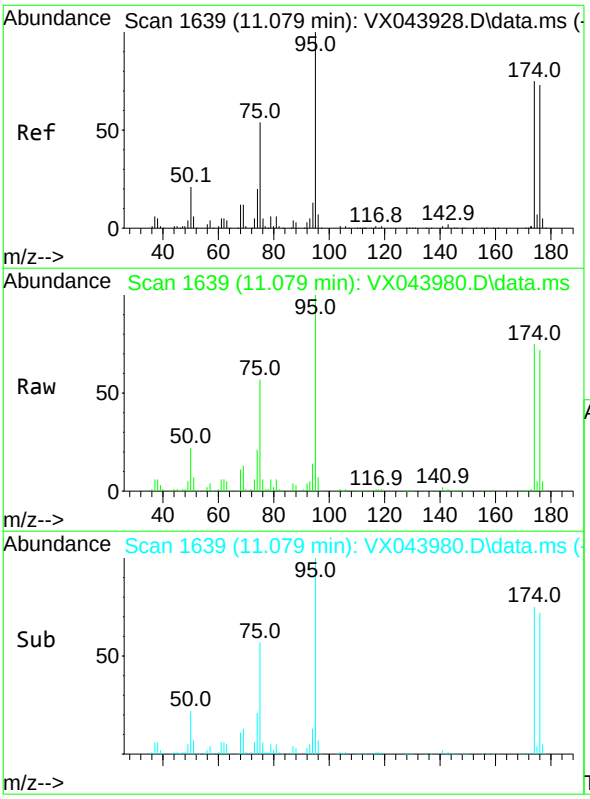
Ion	Ratio	Lower	Upper
107	100		
109	92.7	75.2	112.8



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

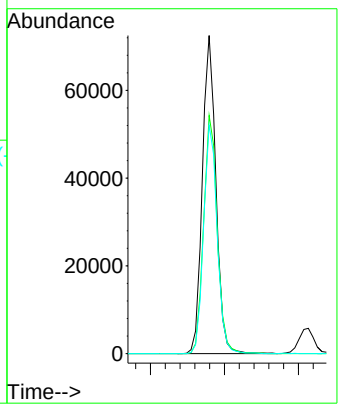
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

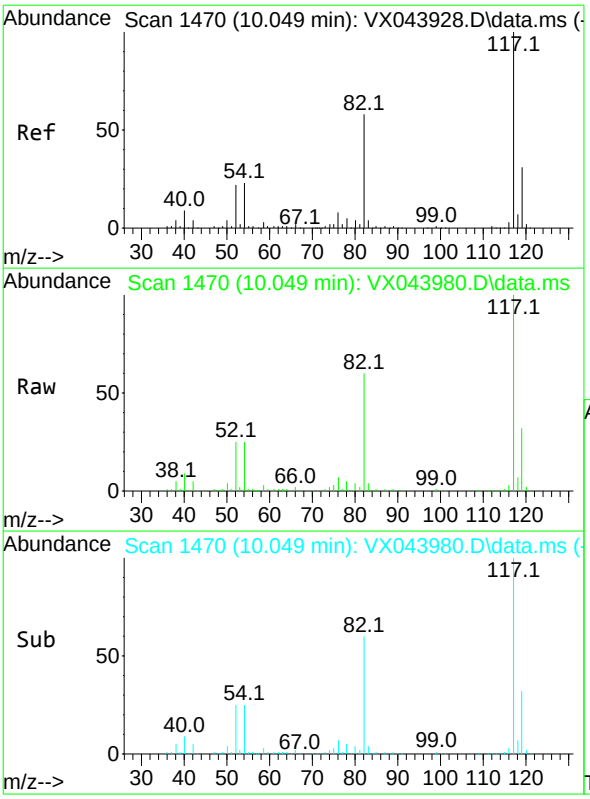


#62
4-Bromofluorobenzene
Concen: 47.296 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 95 Resp: 92231

Ion	Ratio	Lower	Upper
95	100		
174	75.1	0.0	150.4
176	71.7	0.0	146.0

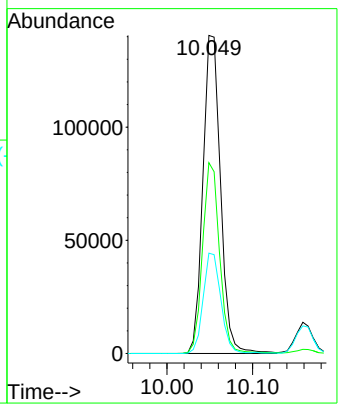




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:117 Resp: 200729

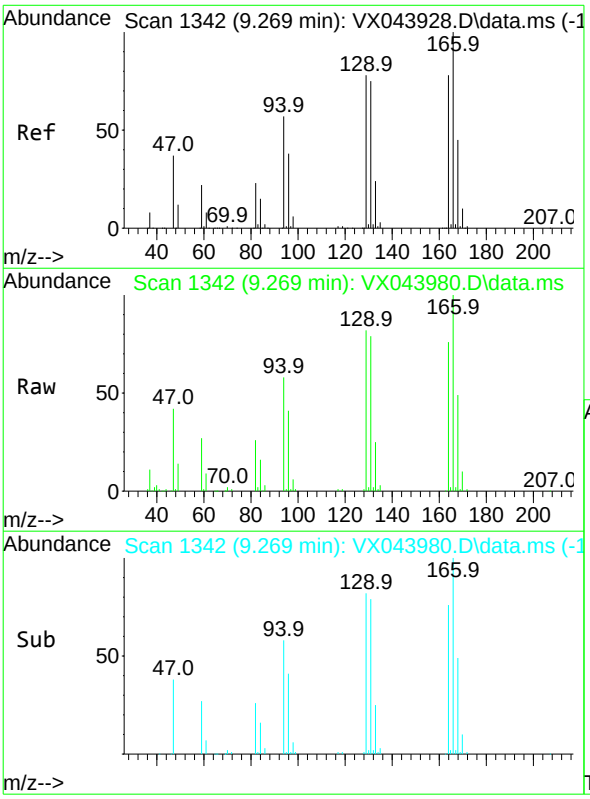
Ion	Ratio	Lower	Upper
117	100		
82	60.0	46.4	69.6
119	31.5	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

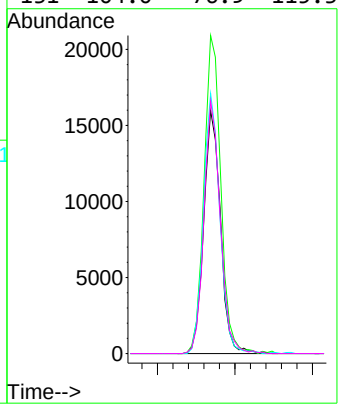
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

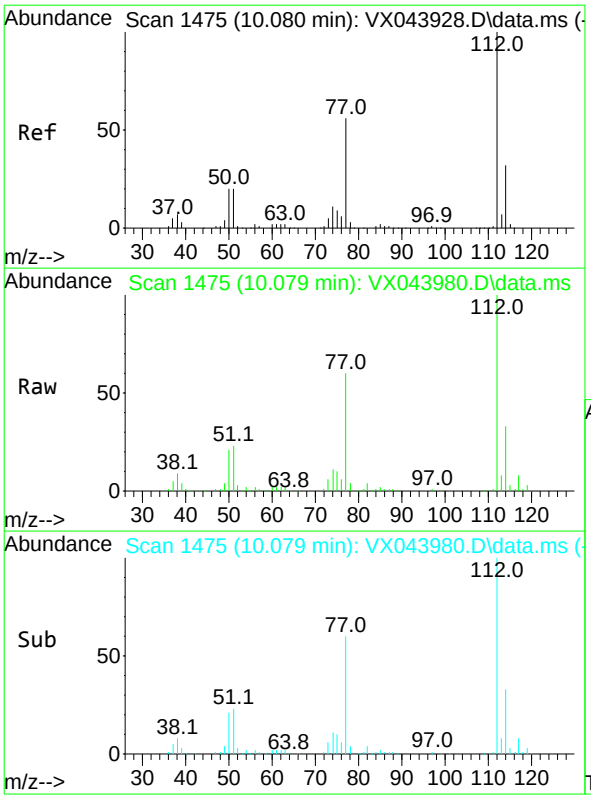


#64
Tetrachloroethene
Concen: 18.065 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:164 Resp: 23911

Ion	Ratio	Lower	Upper
164	100		
166	130.9	102.1	153.1
129	107.0	79.6	119.4
131	104.0	76.9	115.3





#65
Chlorobenzene
Concen: 18.597 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

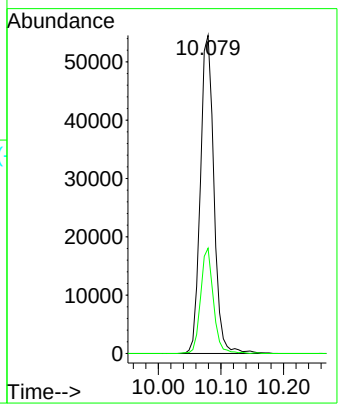
Tgt Ion:112 Resp: 81986

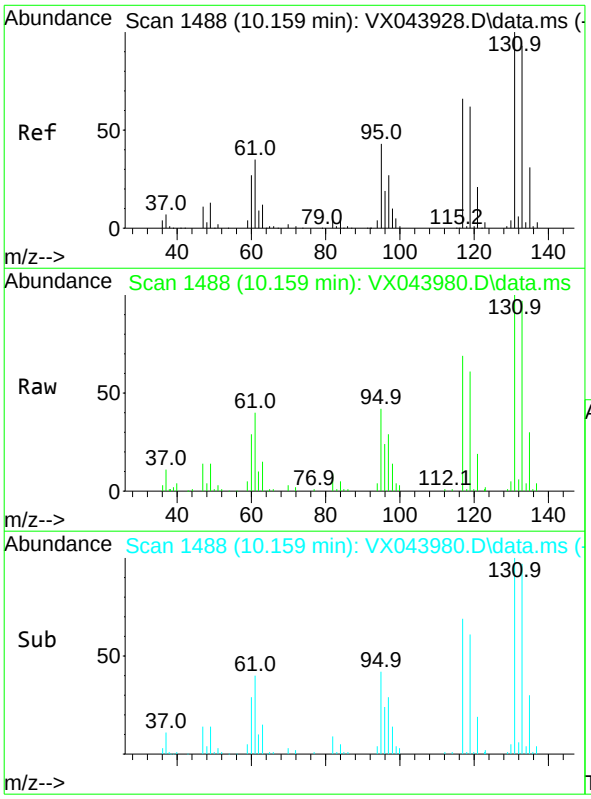
Ion	Ratio	Lower	Upper
112	100		
114	33.1	25.4	38.0

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

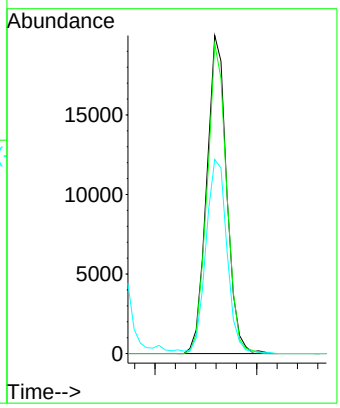


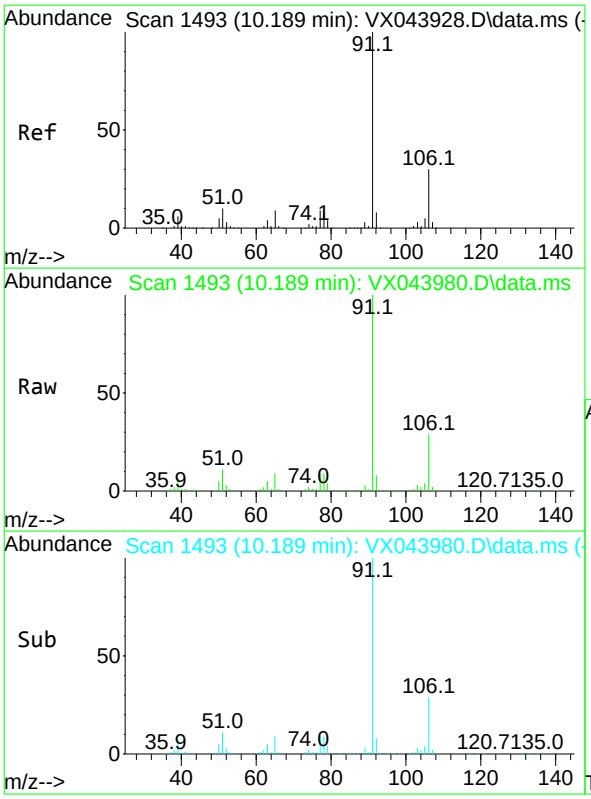


#66
1,1,1,2-Tetrachloroethane
Concen: 19.076 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:131 Resp: 27274

Ion	Ratio	Lower	Upper
131	100		
133	95.2	48.2	144.6
119	64.2	31.5	94.5

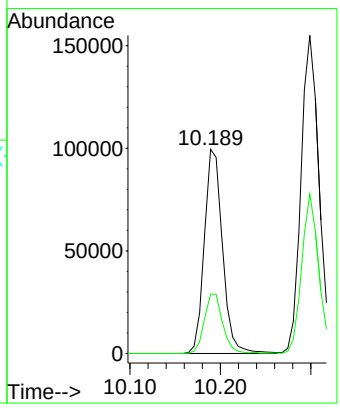




#67
Ethyl Benzene
Concen: 18.608 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 91 Resp: 139010

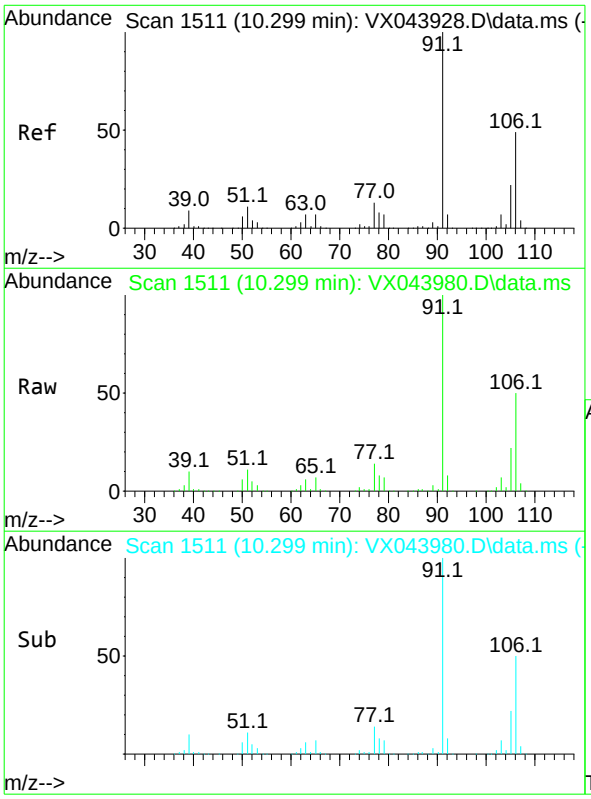
Ion	Ratio	Lower	Upper
91	100		
106	29.1	23.6	35.4



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

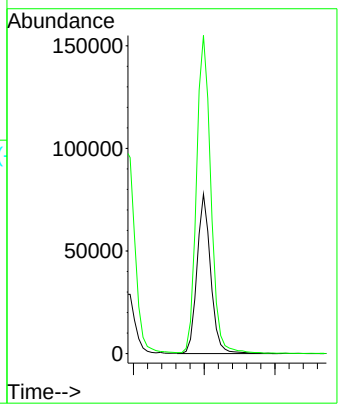
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

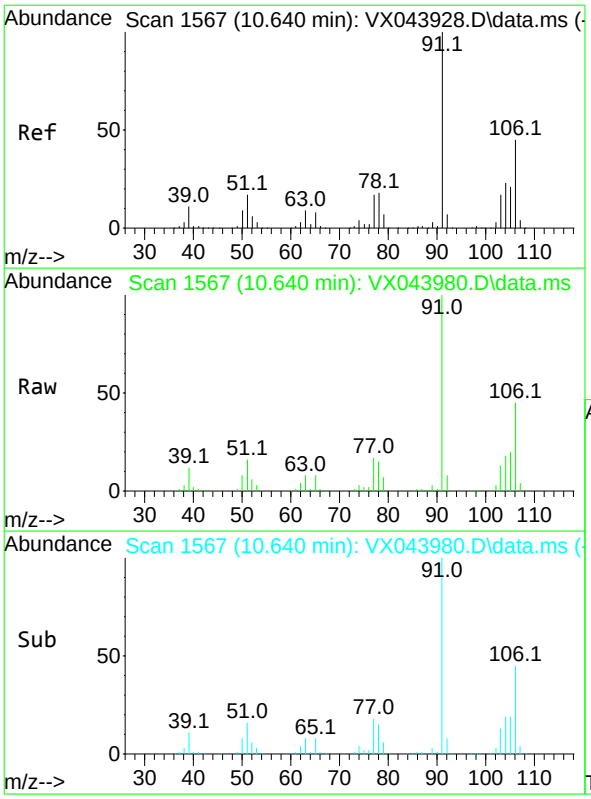


#68
m/p-Xylenes
Concen: 37.328 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:106 Resp: 103991

Ion	Ratio	Lower	Upper
106	100		
91	209.3	168.1	252.1

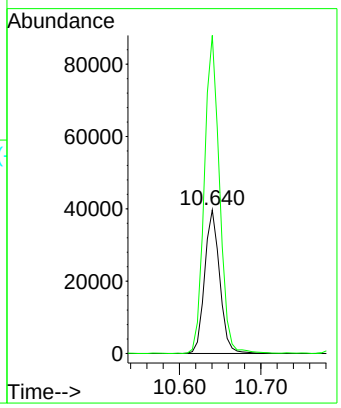




#69
o-Xylene
Concen: 18.698 ug/l
RT: 10.640 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:106 Resp: 50858

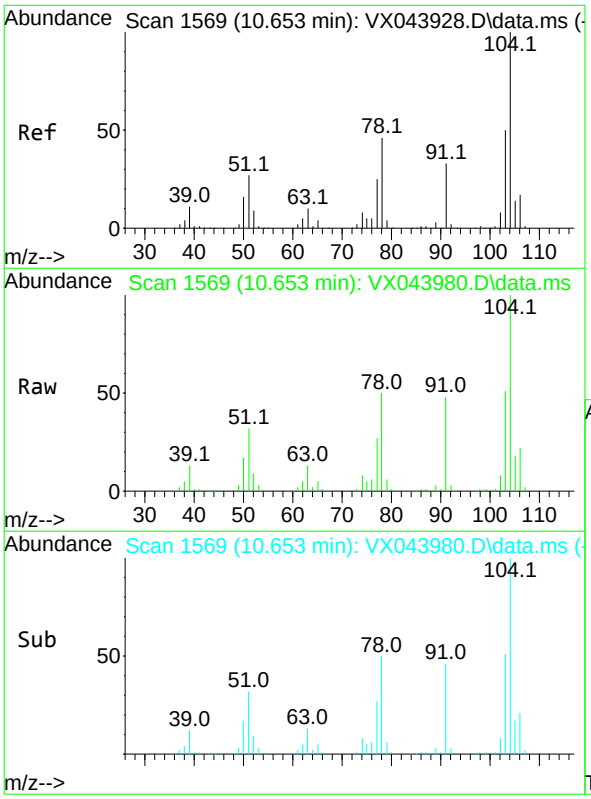
Ion	Ratio	Lower	Upper
106	100		
91	223.9	110.2	330.6



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

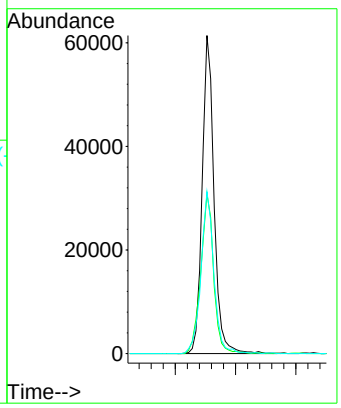
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

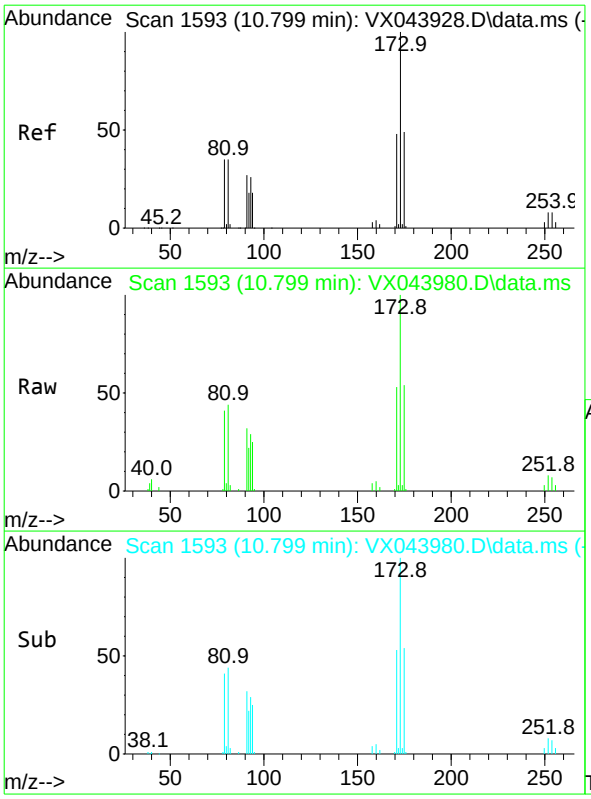


#70
Styrene
Concen: 18.638 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:104 Resp: 83849

Ion	Ratio	Lower	Upper
104	100		
78	54.6	42.2	63.2
103	55.6	44.7	67.1

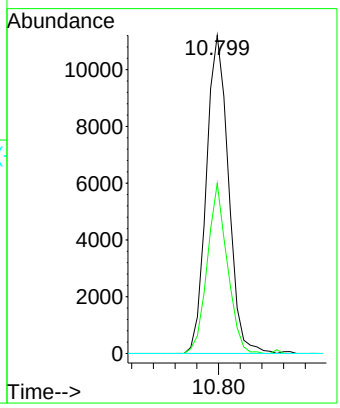




#71
Bromoform
Concen: 15.994 ug/l
RT: 10.799 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:173 Resp: 15846

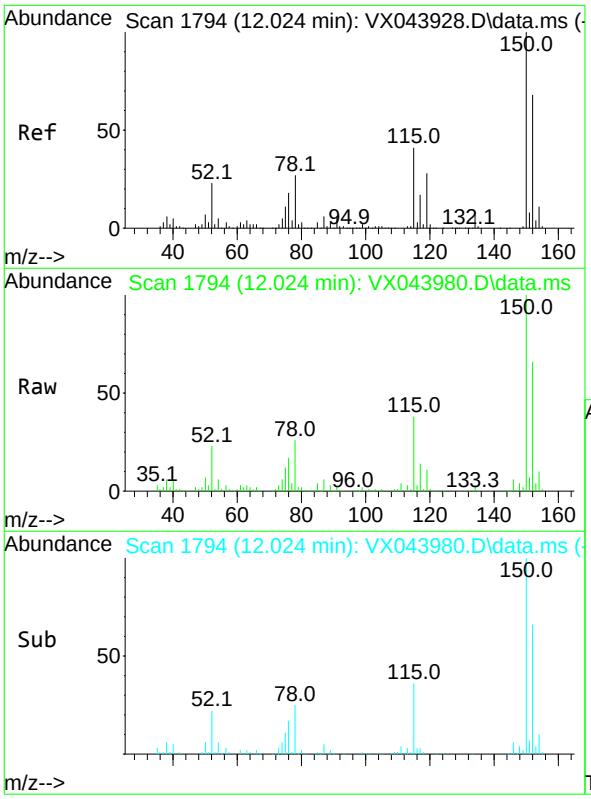
Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.1	72.2
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

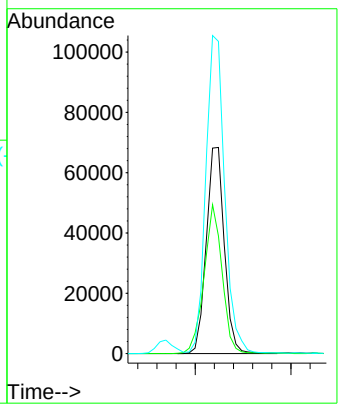
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

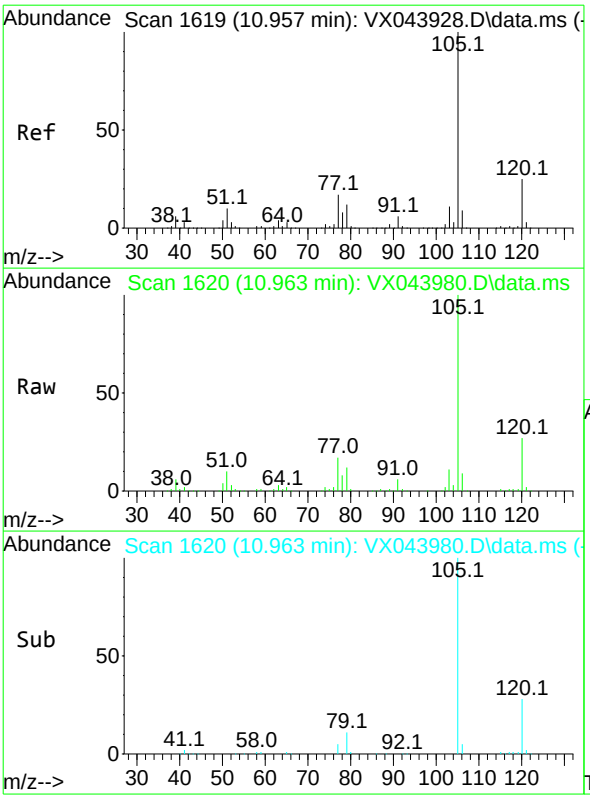


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:152 Resp: 89446

Ion	Ratio	Lower	Upper
152	100		
115	72.4	45.4	136.2
150	161.3	0.0	353.0

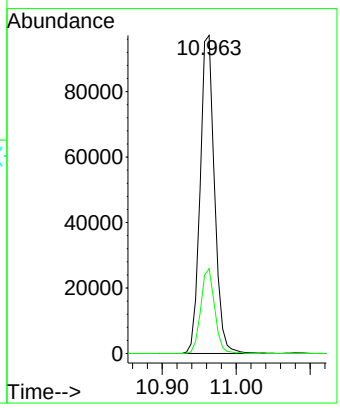




#73
Isopropylbenzene
Concen: 19.035 ug/l
RT: 10.963 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:105 Resp: 130876

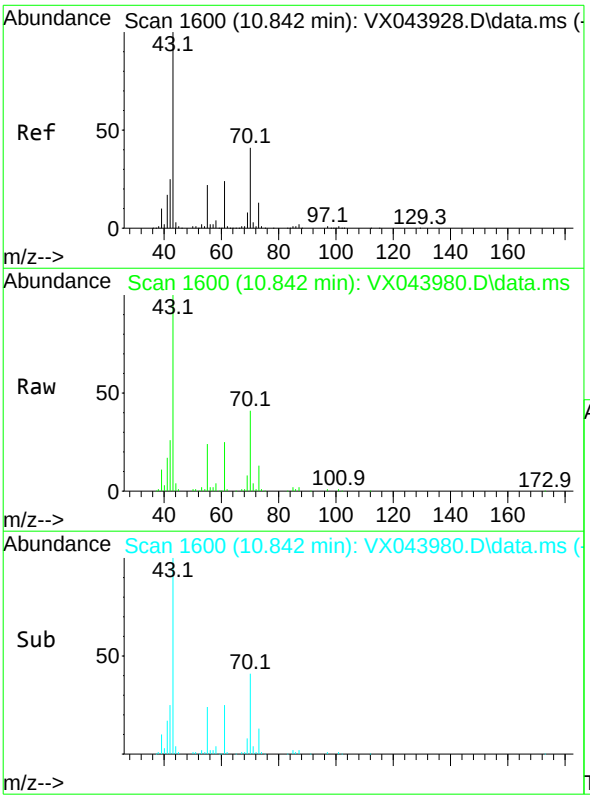
Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.0	38.9



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

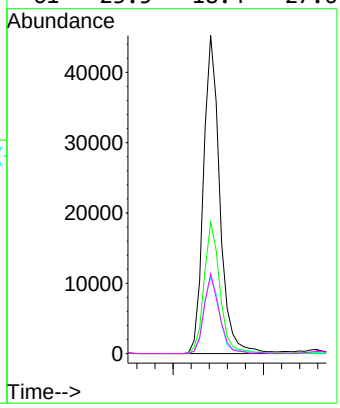
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

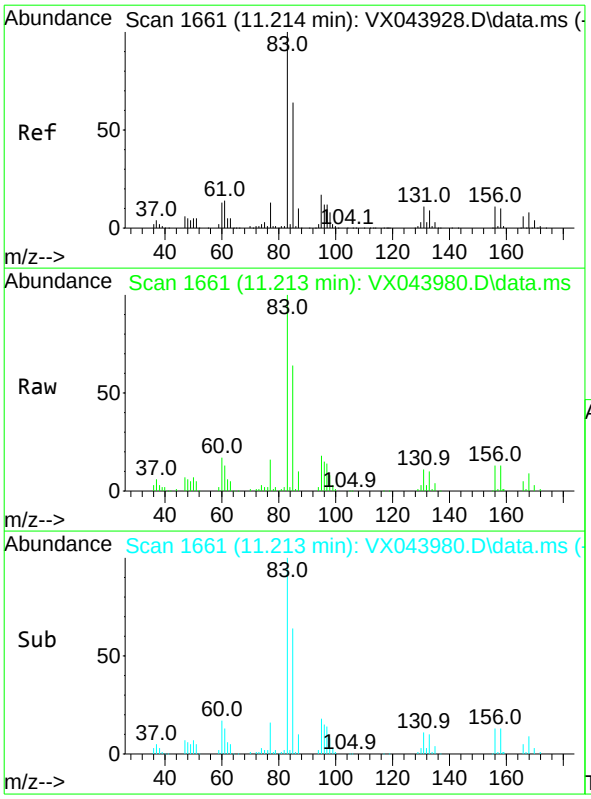


#74
N-amyl acetate
Concen: 17.857 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 43 Resp: 56876

Ion	Ratio	Lower	Upper
43	100		
70	40.2	32.2	48.2
55	24.0	18.1	27.1
61	23.5	18.4	27.6





#75
1,1,2,2-Tetrachloroethane
Concen: 19.121 ug/l
RT: 11.213 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

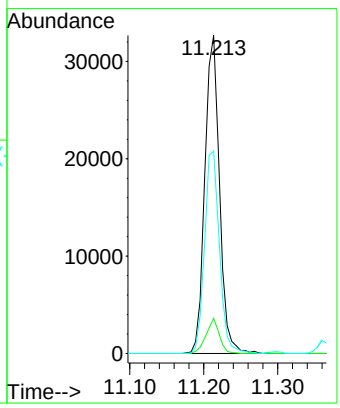
Tgt Ion: 83 Resp: 45016

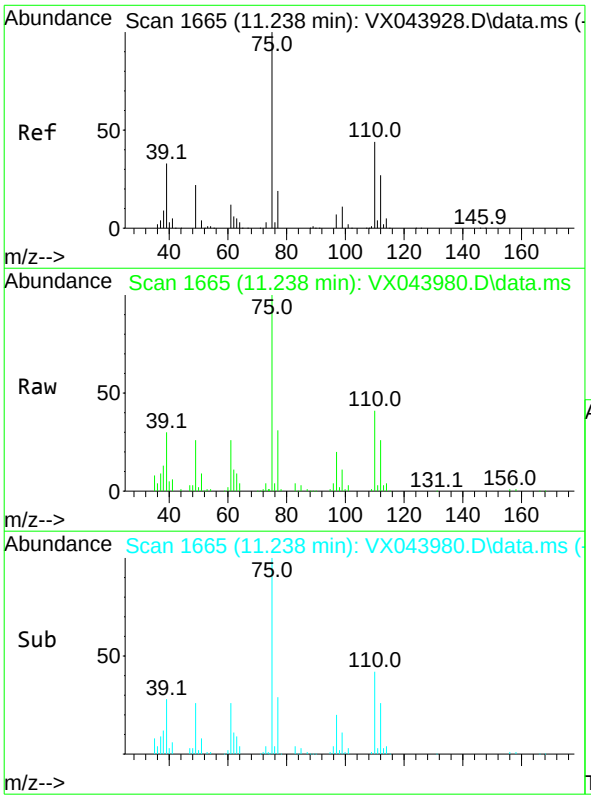
Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.1	15.2
85	64.8	32.2	96.6

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

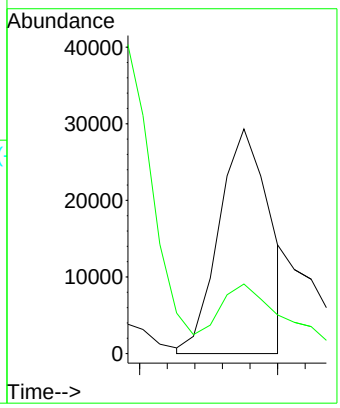


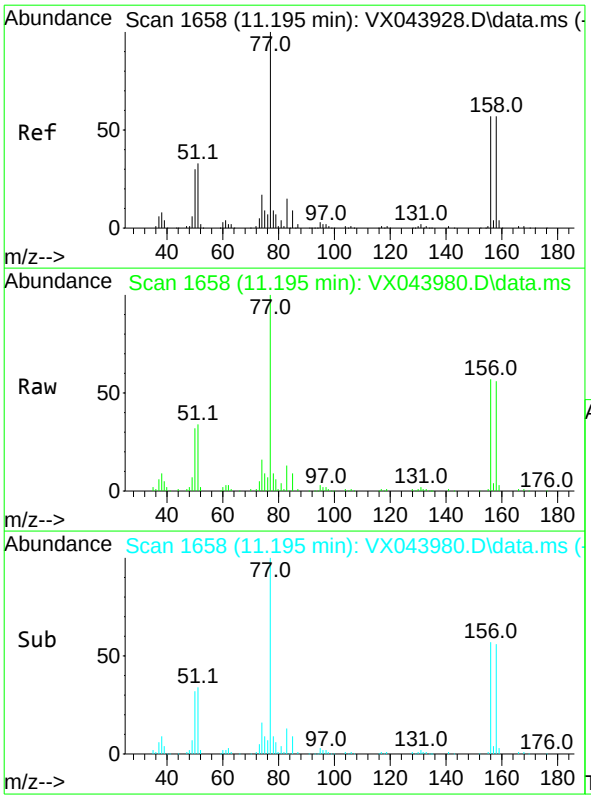


#76
1,2,3-Trichloropropane
Concen: 19.015 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 75 Resp: 37299

Ion	Ratio	Lower	Upper
75	100		
77	41.4	21.8	65.3





#77
Bromobenzene
Concen: 18.980 ug/l
RT: 11.195 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

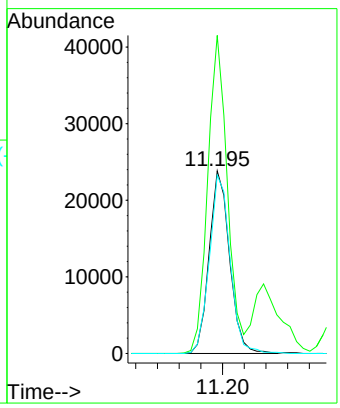
Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

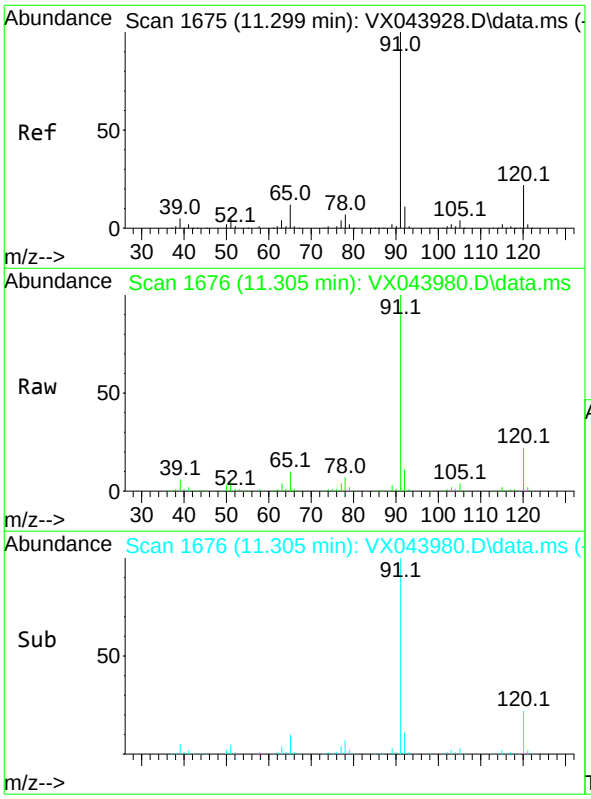
Tgt Ion:156 Resp: 31131

Ion	Ratio	Lower	Upper
156	100		
77	167.2	83.4	250.1
158	99.3	47.6	142.8

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

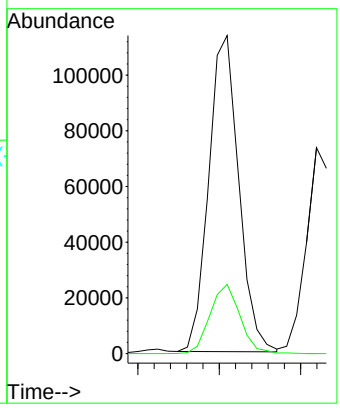


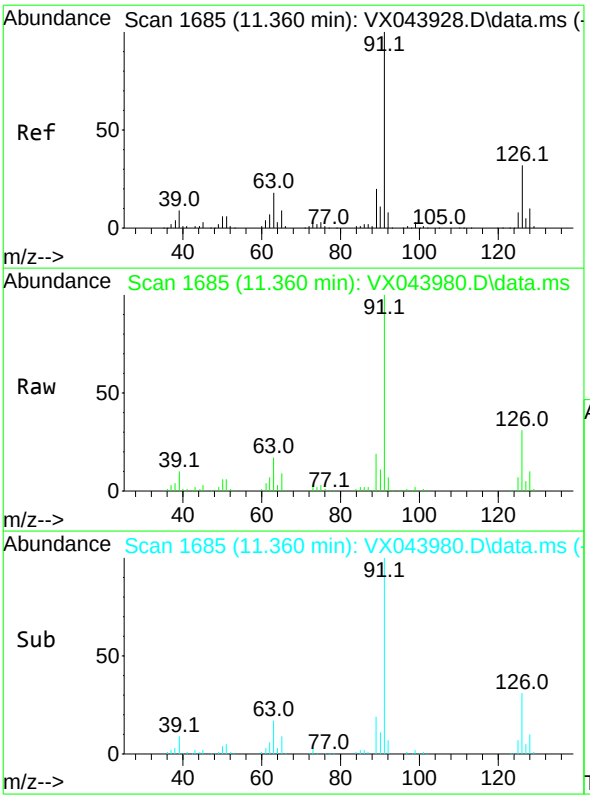


#78
n-propylbenzene
Concen: 18.970 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 91 Resp: 145673

Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.5	34.4

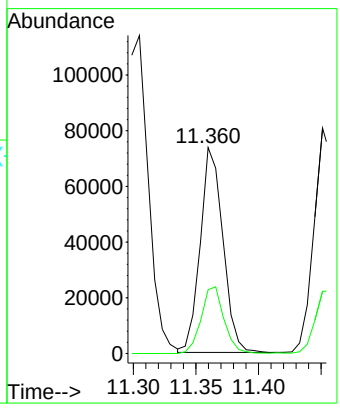




#79
2-Chlorotoluene
Concen: 19.116 ug/l
RT: 11.360 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 91 Resp: 92824

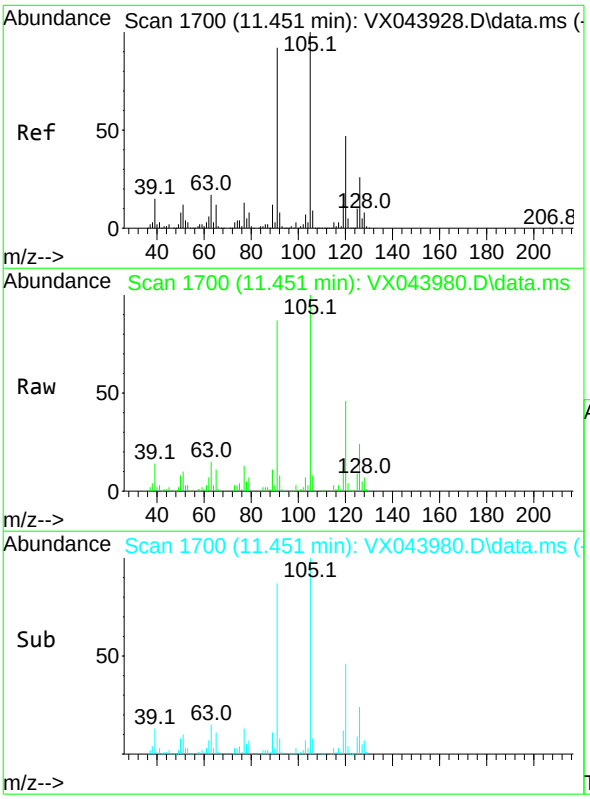
Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.6	49.8



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

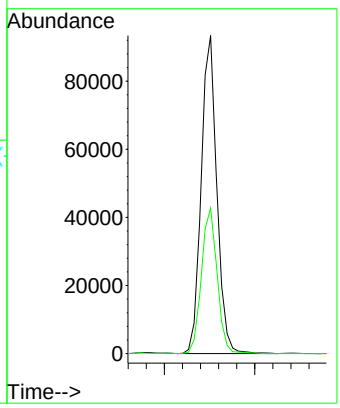
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

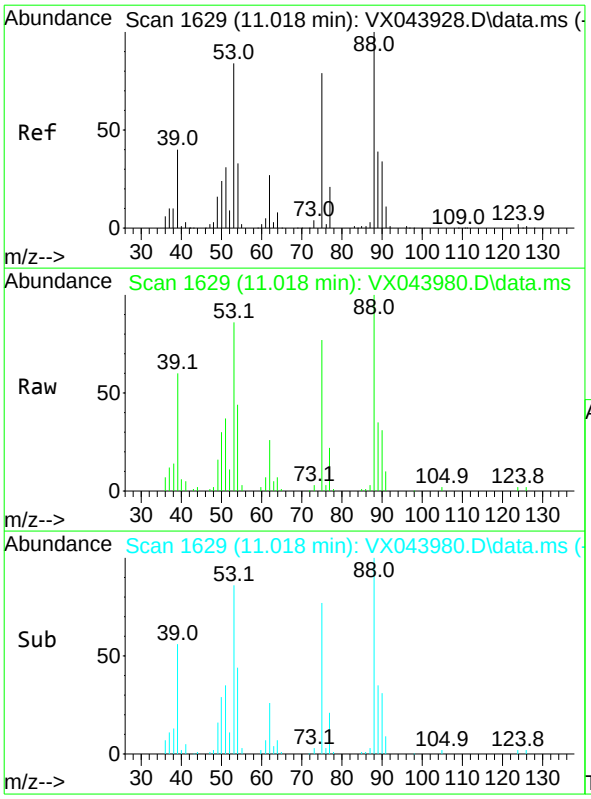


#80
1,3,5-Trimethylbenzene
Concen: 19.841 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:105 Resp: 112233

Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.3	69.8





#81
trans-1,4-Dichloro-2-butene
Concen: 15.407 ug/l
RT: 11.018 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

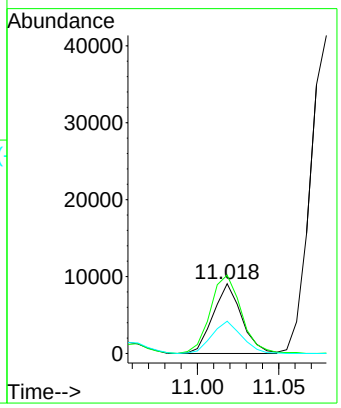
Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

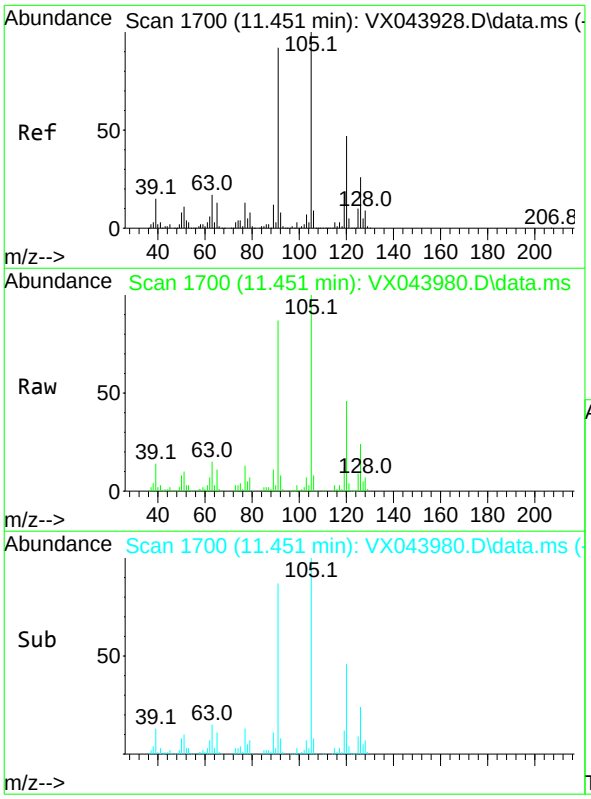
Tgt Ion: 75 Resp: 11075

Ion	Ratio	Lower	Upper
75	100		
53	122.3	86.7	130.1
89	48.2	38.2	57.2

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

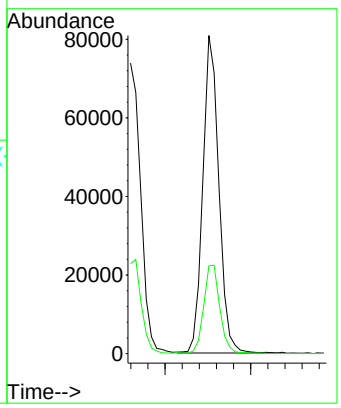


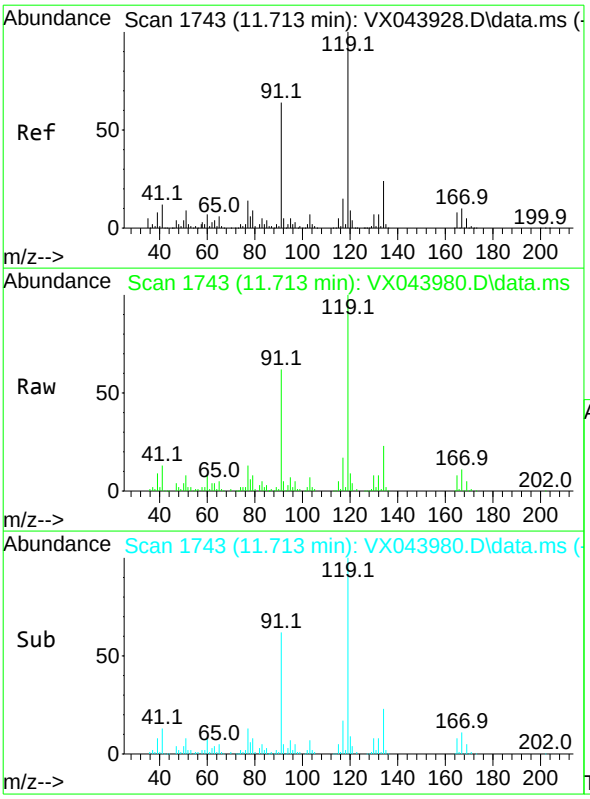


#82
4-Chlorotoluene
Concen: 19.100 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 91 Resp: 104709

Ion	Ratio	Lower	Upper
91	100		
126	28.4	14.3	42.9

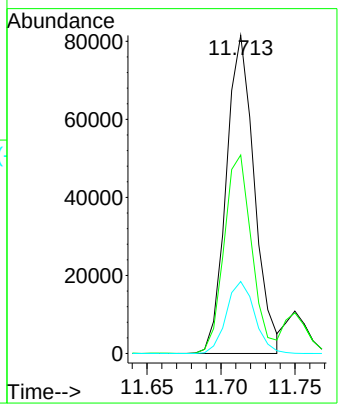




#83
tert-Butylbenzene
Concen: 19.150 ug/l
RT: 11.713 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:119 Resp: 107369

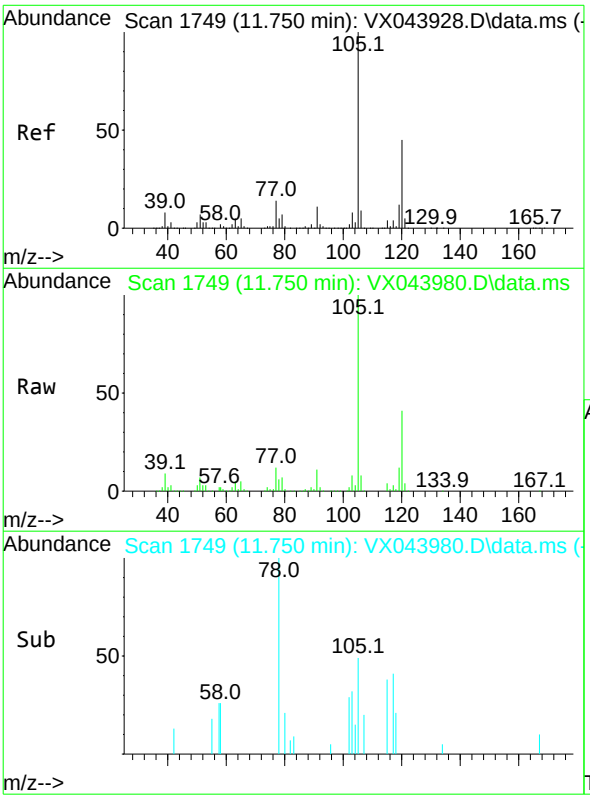
Ion	Ratio	Lower	Upper
119	100		
91	62.1	31.0	93.0
134	22.9	11.6	34.8



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

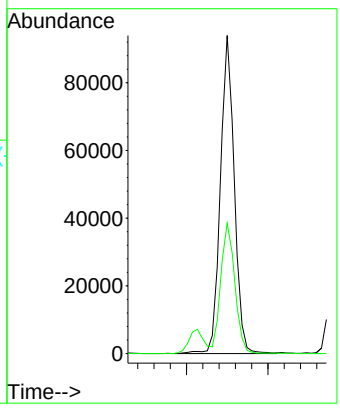
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

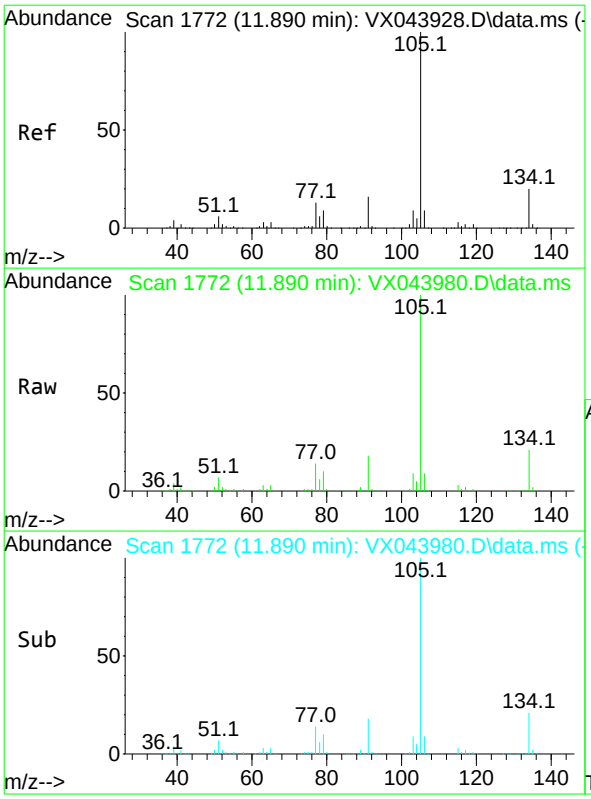


#84
1,2,4-Trimethylbenzene
Concen: 19.806 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:105 Resp: 111539

Ion	Ratio	Lower	Upper
105	100		
120	41.4	21.9	65.7

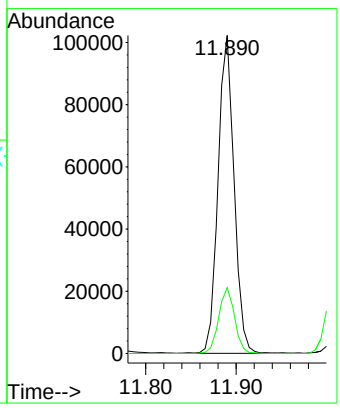




#85
sec-Butylbenzene
Concen: 18.313 ug/l
RT: 11.890 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:105 Resp: 125802

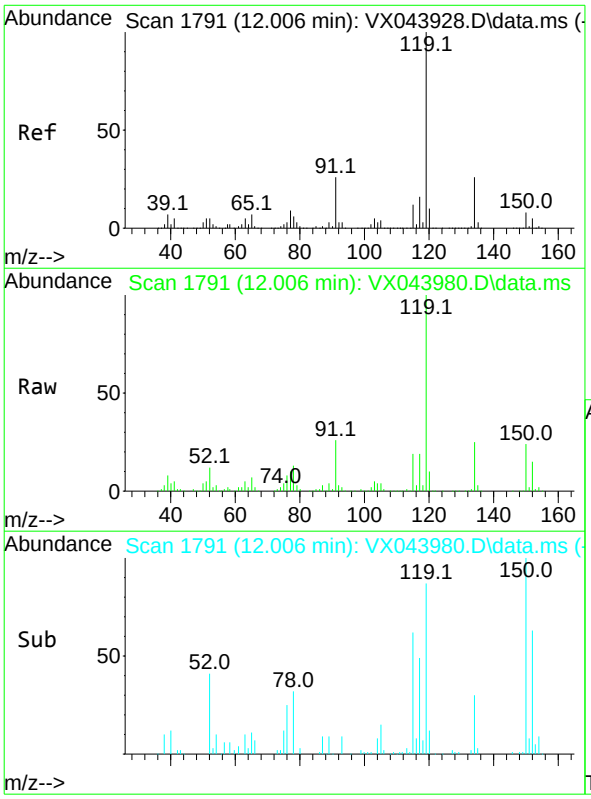
Ion	Ratio	Lower	Upper
105	100		
134	20.5	9.7	29.1



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

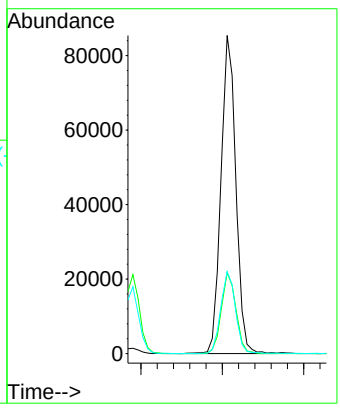
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

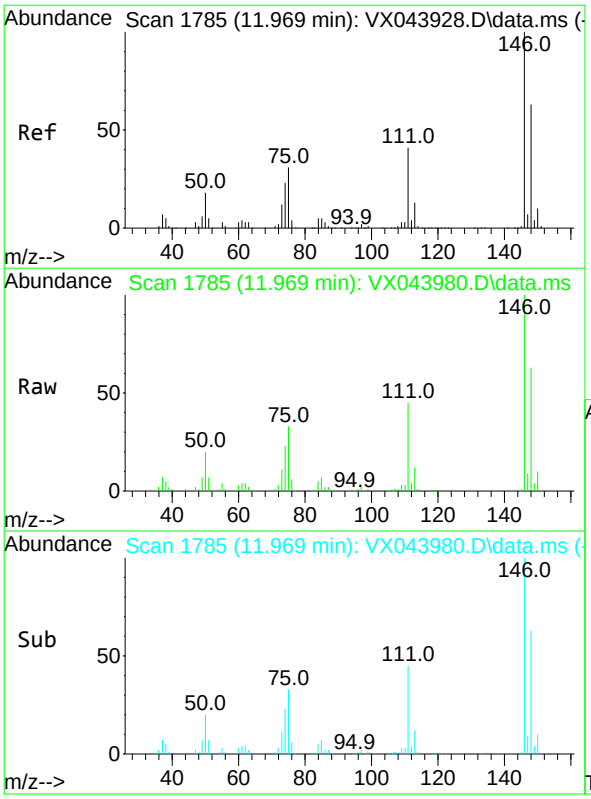


#86
p-Isopropyltoluene
Concen: 19.454 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:119 Resp: 108552

Ion	Ratio	Lower	Upper
119	100		
134	24.9	13.0	38.9
91	25.4	13.0	38.9





#87
1,3-Dichlorobenzene
Concen: 18.623 ug/l
RT: 11.969 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

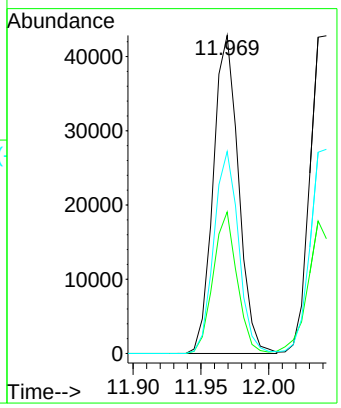
Tgt Ion:146 Resp: 55631

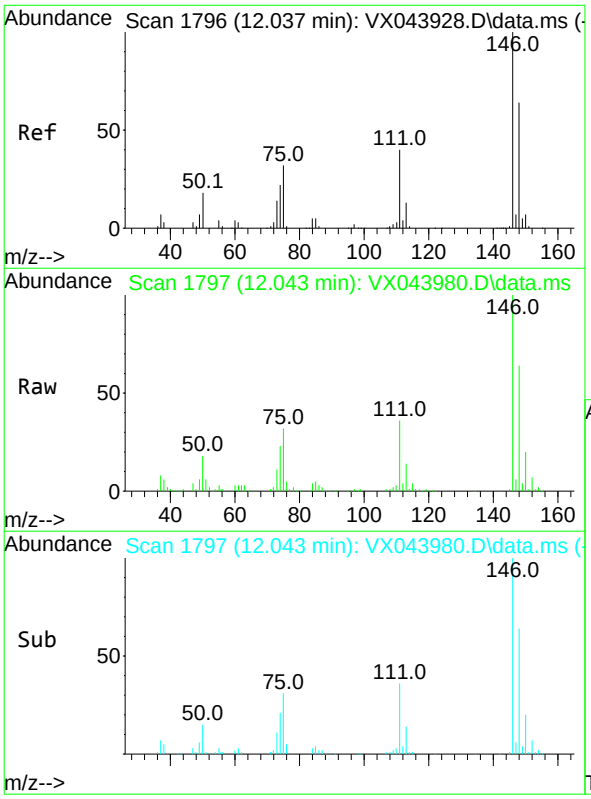
Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.1	63.3
148	62.2	31.7	95.1

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

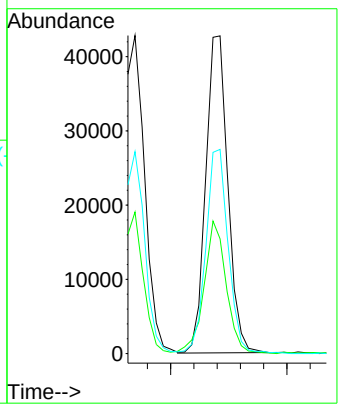


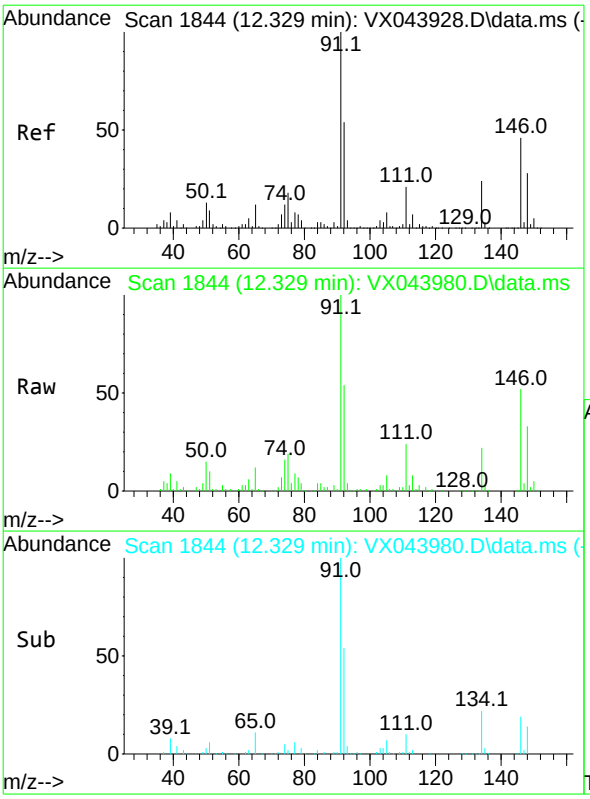


#88
1,4-Dichlorobenzene
Concen: 18.474 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:146 Resp: 56264

Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.1	60.3
148	65.5	30.9	92.8





#89
n-Butylbenzene
Concen: 18.588 ug/l
RT: 12.329 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

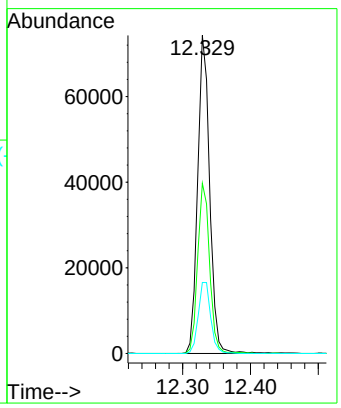
Tgt Ion: 91 Resp: 91448

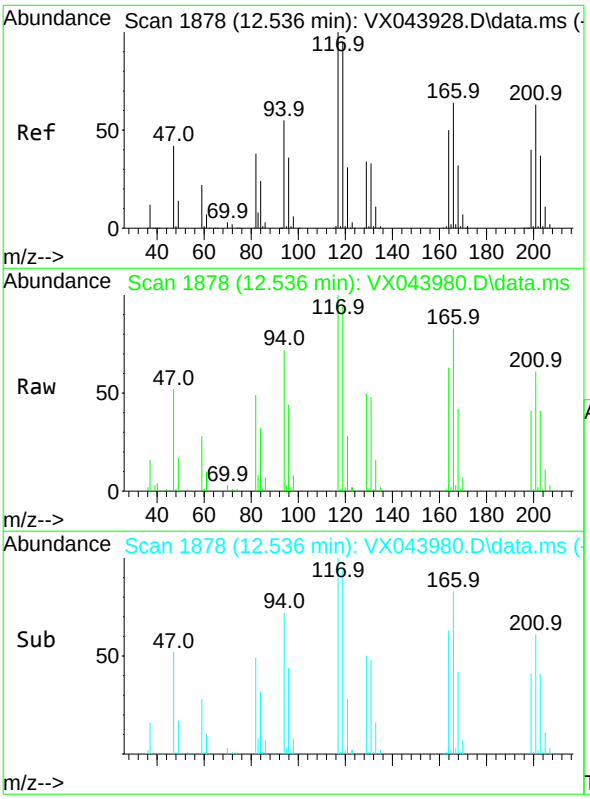
Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.6	79.8
134	23.1	12.4	37.2

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

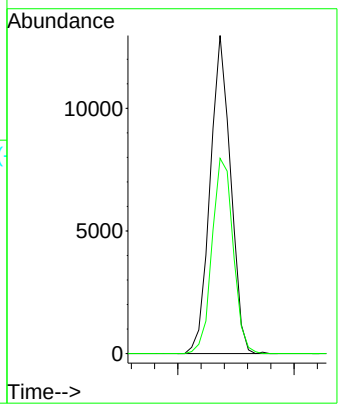


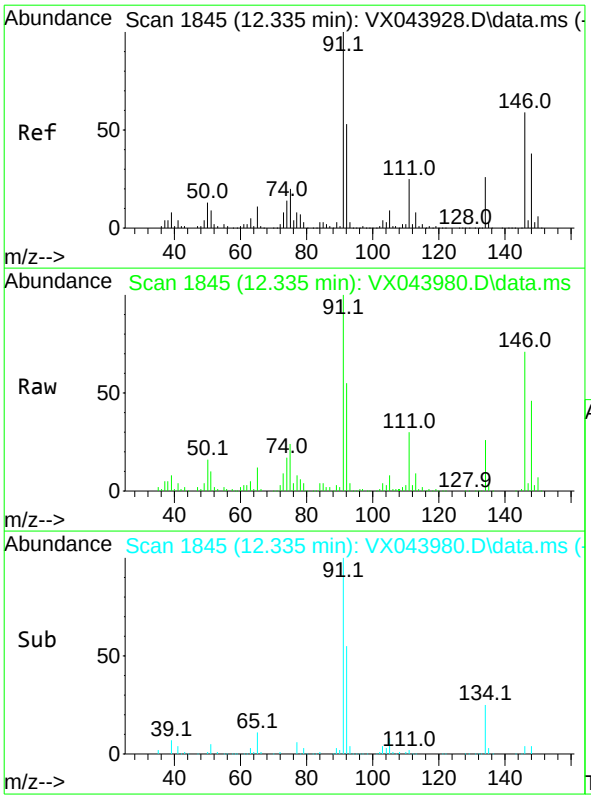


#90
Hexachloroethane
Concen: 16.728 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:117 Resp: 15872

Ion	Ratio	Lower	Upper
117	100		
201	63.4	32.4	97.0





#91
1,2-Dichlorobenzene
Concen: 18.869 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

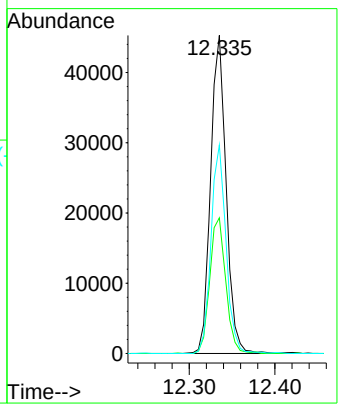
Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

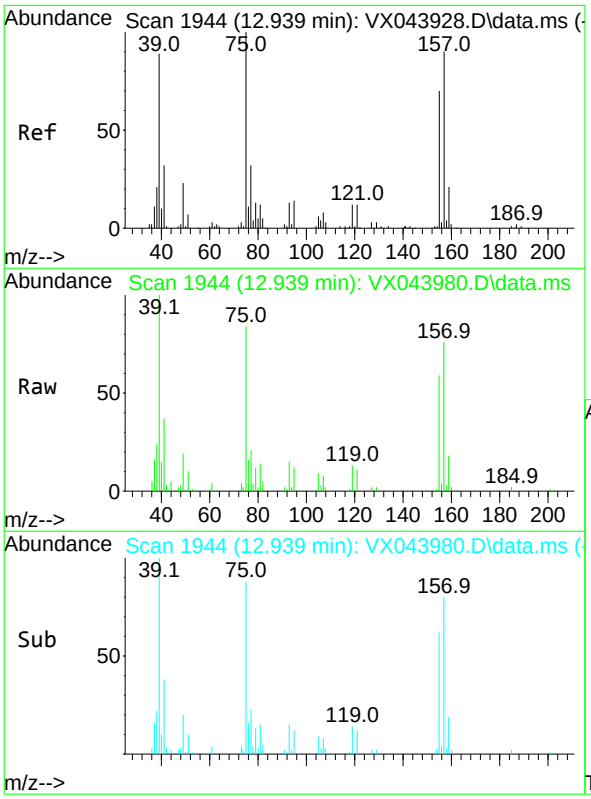
Tgt Ion:146 Resp: 56883

Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.5	64.5
148	63.9	31.9	95.5

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

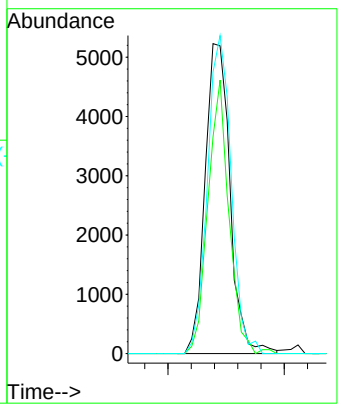


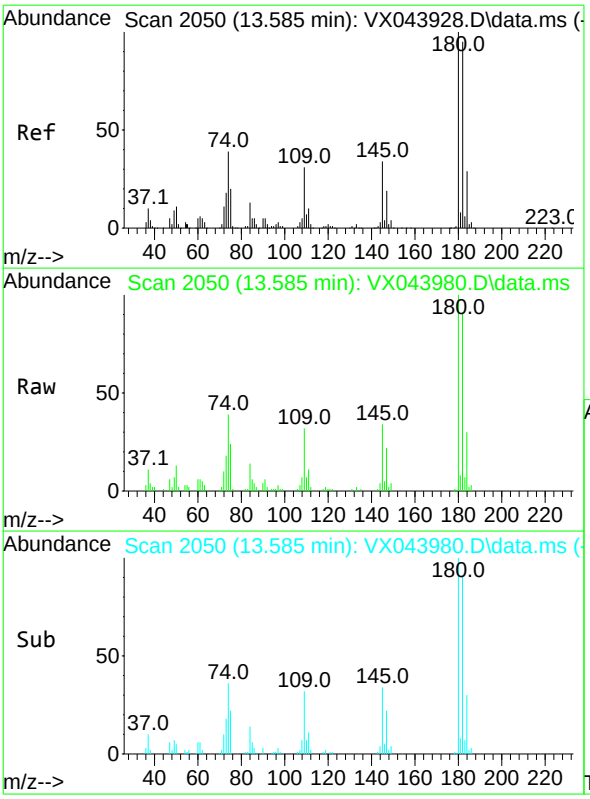


#92
1,2-Dibromo-3-Chloropropane
Concen: 16.475 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 75 Resp: 7772

Ion	Ratio	Lower	Upper
75	100		
155	74.4	40.1	120.2
157	97.8	49.6	149.0

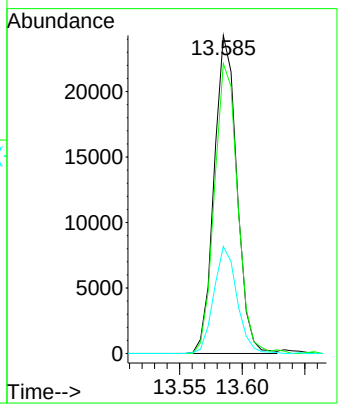




#93
1,2,4-Trichlorobenzene
Concen: 17.225 ug/l
RT: 13.585 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:180 Resp: 30614

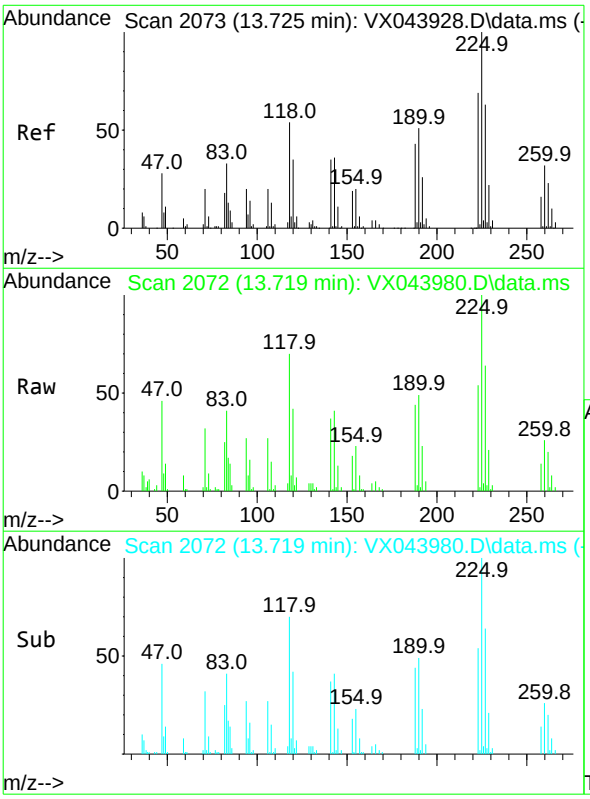
Ion	Ratio	Lower	Upper
180	100		
182	93.3	48.0	144.2
145	34.3	16.8	50.4



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

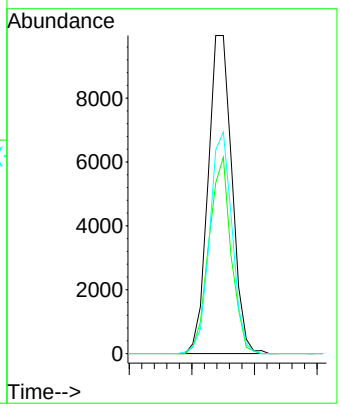
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

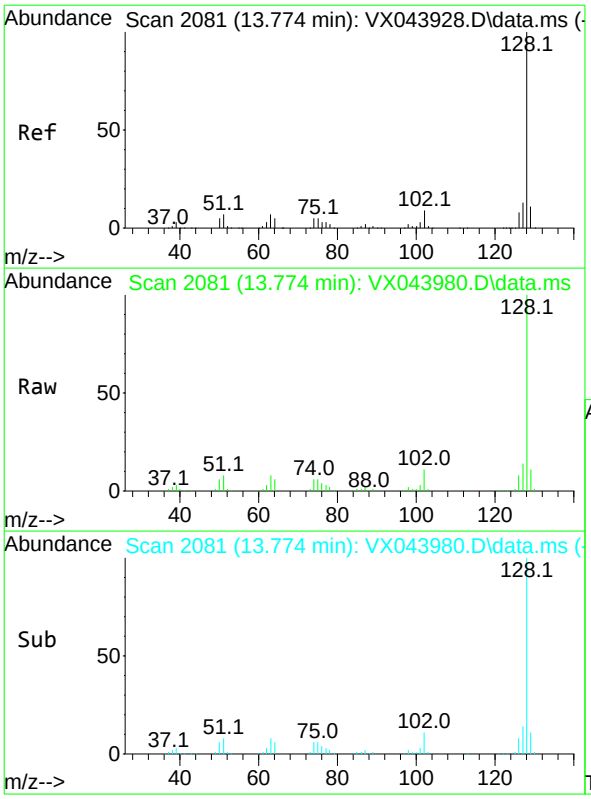


#94
Hexachlorobutadiene
Concen: 18.763 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:225 Resp: 13180

Ion	Ratio	Lower	Upper
225	100		
223	57.5	32.9	98.6
227	65.6	31.6	94.8

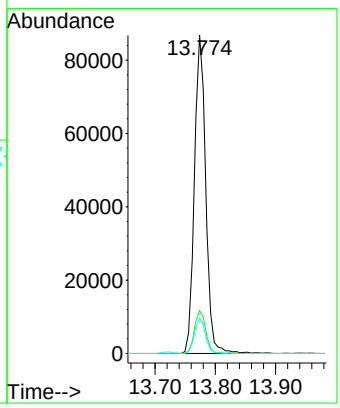




#95
Naphthalene
Concen: 17.718 ug/l
RT: 13.774 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:128 Resp: 113362

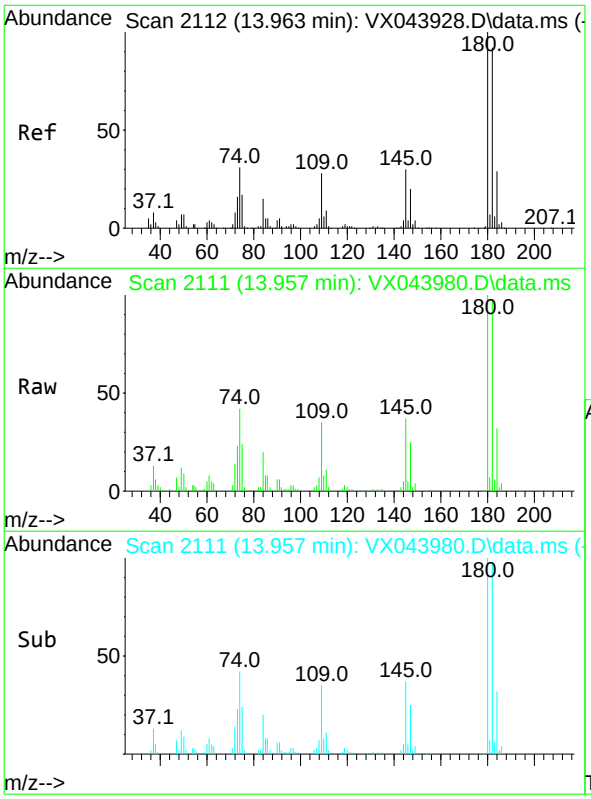
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.2
129	10.8	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

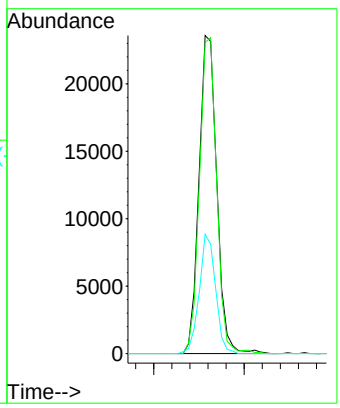
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024



#96
1,2,3-Trichlorobenzene
Concen: 17.867 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:180 Resp: 32142

Ion	Ratio	Lower	Upper
180	100		
182	95.9	45.6	136.8
145	34.4	16.4	49.4



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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-EVAL-04D-20241113MS	SDG No.:	P4846
Lab Sample ID:	P4846-06MS	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043996.D	1		11/25/24 18:54	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	46.9		0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	48.2		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	48.8		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	50.5		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	47.3		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	53.0		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	47.8		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	48.3		0.26	0.75	1.00	ug/L
67-64-1	Acetone	190		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	42.9		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	50.6		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	47.0		0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	48.6		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	50.4		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	51.3		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	47.6		1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	220		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	48.7		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	51.1		0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	45.5		0.18	0.50	1.00	ug/L
67-66-3	Chloroform	52.2		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	52.1		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	46.0		0.19	0.50	1.00	ug/L
71-43-2	Benzene	49.4		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	49.2		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	100		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	50.3		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	50.1		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	240		0.75	2.50	5.00	ug/L
108-88-3	Toluene	50.3		0.18	0.50	1.00	ug/L

Raw Data: **VX043996.D**

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-EVAL-04D-20241113MS	SDG No.:	P4846
Lab Sample ID:	P4846-06MS	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043996.D	1		11/25/24 18:54	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	48.0		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	48.4		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	49.8		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	240		1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	49.7		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	50.1		0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	47.0		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	48.0		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	49.3		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	98.9		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	49.7		0.14	0.50	1.00	ug/L
100-42-5	Styrene	50.9		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	44.1		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	49.7		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	50.8		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	49.2		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	47.9		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	49.3		0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	48.4		0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	47.6		0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	47.9		0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.8		81 - 118		102%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	48.7		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.4		85 - 114		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	121000	5.55				
540-36-3	1,4-Difluorobenzene	221000	6.757				
3114-55-4	Chlorobenzene-d5	190000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	88100	12.018				

Raw Data: **VX043996.D**

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-EVAL-04D-20241113MS	SDG No.:	P4846
Lab Sample ID:	P4846-06MS	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043996.D	1		11/25/24 18:54	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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

Sample Results: **VX043996.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043996.D
Acq On : 25 Nov 2024 18:54
Operator : JC/MD
Sample : P4846-06MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MS

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

Quant Time: Nov 26 00:52:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	120595	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.757	114	220639	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	190029	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	88073	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	105158	50.840	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.680%			
35) Dibromofluoromethane	5.379	113	79952	50.712	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.420%			
50) Toluene-d8	8.647	98	264505	48.670	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.340%			
62) 4-Bromofluorobenzene	11.079	95	91308	49.368	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.740%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	71704	46.935	ug/l	99
3) Chloromethane	1.295	50	77541	48.232	ug/l	99
4) Vinyl Chloride	1.374	62	83504	48.833	ug/l	97
5) Bromomethane	1.593	94	53075	50.454	ug/l	99
6) Chloroethane	1.660	64	49251	47.268	ug/l	100
7) Trichlorofluoromethane	1.868	101	162135	53.034	ug/l	97
8) Diethyl Ether	2.136	74	55409	49.726	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.319	101	69771	47.844	ug/l	100
10) Methyl Iodide	2.441	142	94089	51.660	ug/l	99
11) Tert butyl alcohol	2.995	59	64244	193.507	ug/l	96
12) 1,1-Dichloroethene	2.307	96	67089	48.279	ug/l	95
13) Acrolein	2.233	56	80891	231.157	ug/l	99
14) Allyl chloride	2.654	41	108894	47.958	ug/l	97
15) Acrylonitrile	3.063	53	198769	245.680	ug/l	100
16) Acetone	2.386	43	177216	186.542	ug/l	98
17) Carbon Disulfide	2.502	76	122972	42.901	ug/l	99
18) Methyl Acetate	2.703	43	104051	47.032	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	255059	50.551	ug/l	97
20) Methylene Chloride	2.782	84	78426	48.647	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	72369	50.442	ug/l	94
22) Diisopropyl ether	3.764	45	247410	50.957	ug/l	97
23) Vinyl Acetate	3.721	43	1014001	244.138	ug/l	99
24) 1,1-Dichloroethane	3.599	63	143713	51.308	ug/l	99
25) 2-Butanone	4.562	43	275411	224.678	ug/l	100
26) 2,2-Dichloropropane	4.471	77	109495	43.286	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	90558	51.064	ug/l	97
28) Bromochloromethane	4.898	49	56062	45.471	ug/l	95
29) Tetrahydrofuran	5.007	42	178591	237.648	ug/l	99
30) Chloroform	5.087	83	157159	52.168	ug/l	93
31) Cyclohexane	5.458	56	109631	47.556	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	135274	52.071	ug/l	100
36) 1,1-Dichloropropene	5.684	75	95627	48.675	ug/l	98
37) Ethyl Acetate	4.715	43	108664	44.558	ug/l	99
38) Carbon Tetrachloride	5.672	117	107500	48.698	ug/l	98
39) Methylcyclohexane	7.373	83	117301	45.960	ug/l	99
40) Benzene	6.031	78	302334	49.404	ug/l	96

Sample Results: **VX043996.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043996.D
Acq On : 25 Nov 2024 18:54
Operator : JC/MD
Sample : P4846-06MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 26 00:52:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MS

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.928	41	60749	48.670 ug/l		96
42) 1,2-Dichloroethane	6.080	62	120957	49.214 ug/l		99
43) Isopropyl Acetate	6.342	43	180966	46.628 ug/l		99
44) Trichloroethene	7.123	130	173643	100.234 ug/l		91
45) 1,2-Dichloropropane	7.428	63	75361	50.280 ug/l		98
46) Dibromomethane	7.580	93	58847	49.633 ug/l		98
47) Bromodichloromethane	7.818	83	106558	50.111 ug/l		99
48) Methyl methacrylate	7.696	41	87645	47.063 ug/l		99
49) 1,4-Dioxane	7.665	88	24352	734.088 ug/l	#	84
51) 4-Methyl-2-Pentanone	8.574	43	579738	244.777 ug/l		99
52) Toluene	8.714	92	184277	50.311 ug/l		98
53) t-1,3-Dichloropropene	8.976	75	104137	48.024 ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	115027	48.388 ug/l		97
55) 1,1,2-Trichloroethane	9.153	97	75322	49.817 ug/l		99
56) Ethyl methacrylate	9.116	69	118506	50.320 ug/l		100
57) 1,3-Dichloropropane	9.305	76	128285	50.367 ug/l		100
59) 2-Hexanone	9.433	43	421761	236.922 ug/l		99
60) Dibromochloromethane	9.519	129	75439	49.729 ug/l		99
61) 1,2-Dibromoethane	9.610	107	76596	50.101 ug/l		100
64) Tetrachloroethene	9.269	164	58869	46.982 ug/l		95
65) Chlorobenzene	10.080	112	200366	48.008 ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	69791	51.562 ug/l		99
67) Ethyl Benzene	10.189	91	348750	49.313 ug/l		99
68) m/p-Xylenes	10.299	106	260848	98.905 ug/l		99
69) o-Xylene	10.640	106	127980	49.701 ug/l		99
70) Styrene	10.653	104	216669	50.874 ug/l		100
71) Bromoform	10.799	173	44958	44.141 ug/l	#	99
73) Isopropylbenzene	10.964	105	336432	49.694 ug/l		99
74) N-amyl acetate	10.842	43	149557	47.686 ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.213	83	117727	50.785 ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	92808m	48.051 ug/l		
77) Bromobenzene	11.195	156	79624	49.303 ug/l		98
78) n-propylbenzene	11.305	91	374930	49.586 ug/l		99
79) 2-Chlorotoluene	11.360	91	231915	48.505 ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	277179	49.765 ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	30566	43.184 ug/l		96
82) 4-Chlorotoluene	11.451	91	265741	49.230 ug/l		99
83) tert-Butylbenzene	11.713	119	276846	50.147 ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	280332	50.553 ug/l		99
85) sec-Butylbenzene	11.890	105	332616	49.174 ug/l		100
86) p-Isopropyltoluene	12.006	119	280594	51.070 ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	144751	49.211 ug/l		99
88) 1,4-Dichlorobenzene	12.043	146	143604	47.886 ug/l		97
89) n-Butylbenzene	12.329	91	238346	49.203 ug/l		100
90) Hexachloroethane	12.536	117	43558	46.622 ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	146316	49.291 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	22461	48.356 ug/l		95
93) 1,2,4-Trichlorobenzene	13.585	180	83227	47.557 ug/l		97
94) Hexachlorobutadiene	13.725	225	31980	46.237 ug/l		98
95) Naphthalene	13.774	128	308549	48.978 ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	84782	47.863 ug/l		94

Sample Results: **VX043996.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043996.D
Acq On : 25 Nov 2024 18:54
Operator : JC/MD
Sample : P4846-06MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MS

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

Quant Time: Nov 26 00:52:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

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

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

Sample Results: **VX043996.D**

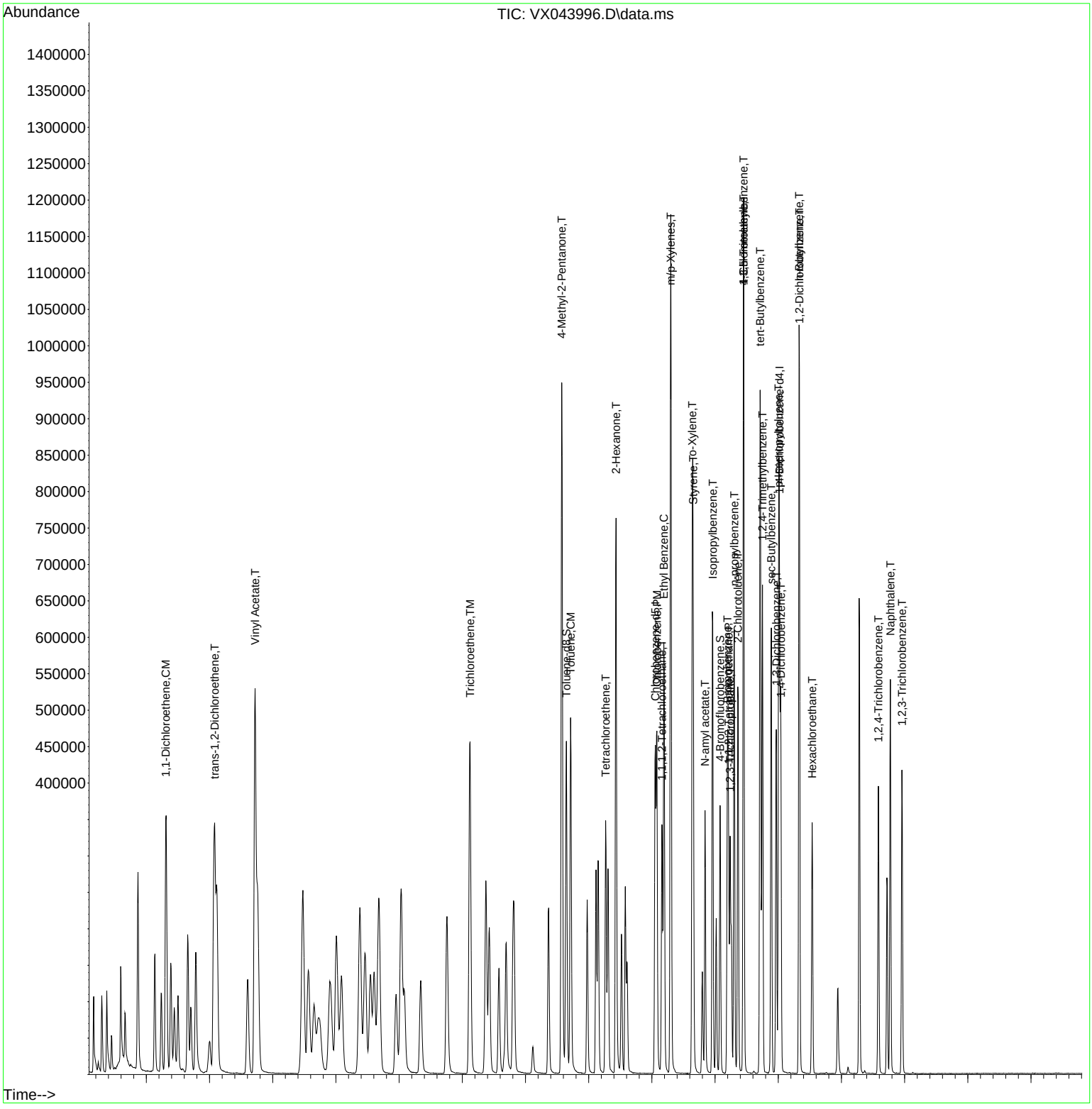
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043996.D
Acq On : 25 Nov 2024 18:54
Operator : JC/MD
Sample : P4846-06MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

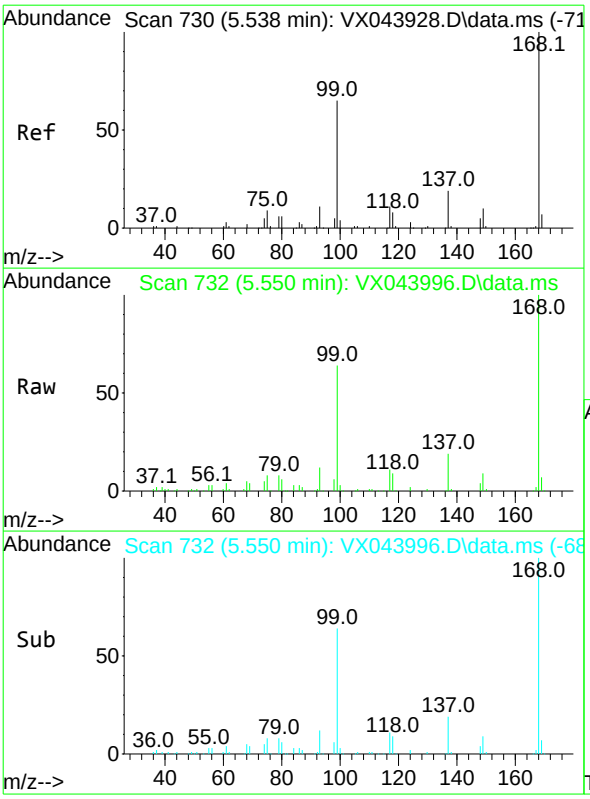
Quant Time: Nov 26 00:52:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MS

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. 0.012 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

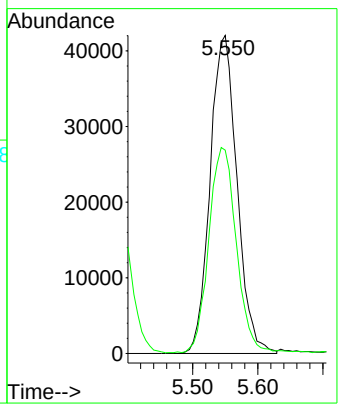
Tgt Ion:168 Resp: 120595

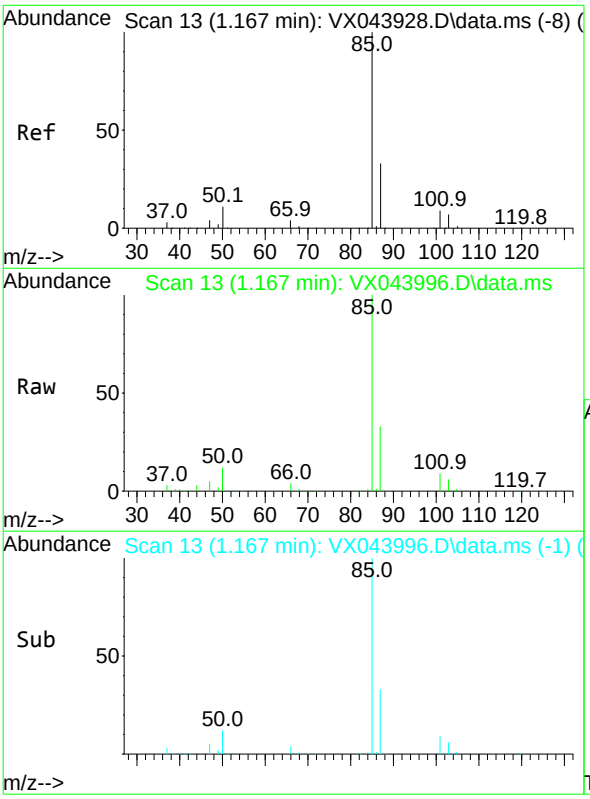
Ion	Ratio	Lower	Upper
168	100		
99	63.4	51.8	77.8

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MS

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

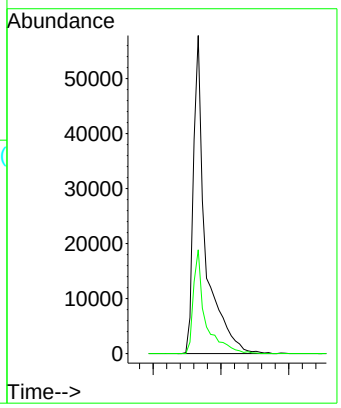


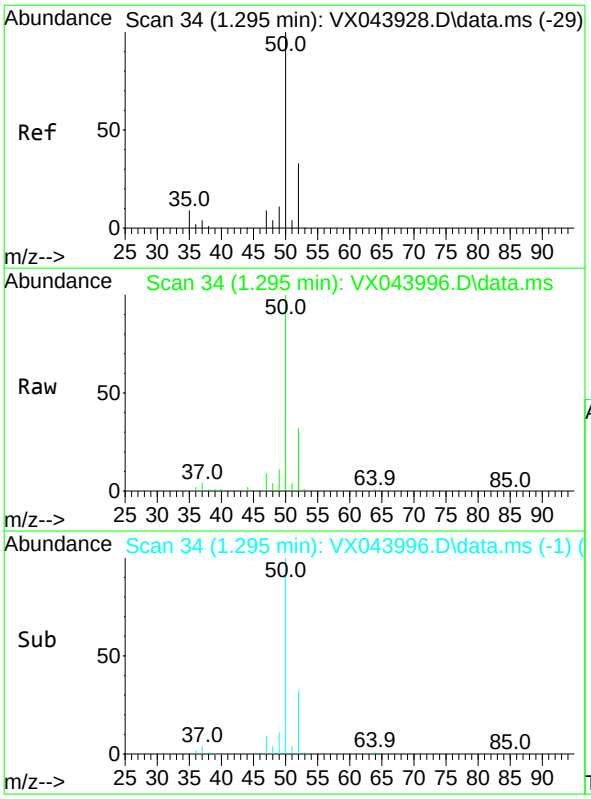


#2
Dichlorodifluoromethane
Concen: 46.935 ug/l
RT: 1.167 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion: 85 Resp: 71704

Ion	Ratio	Lower	Upper
85	100		
87	32.6	16.6	49.8

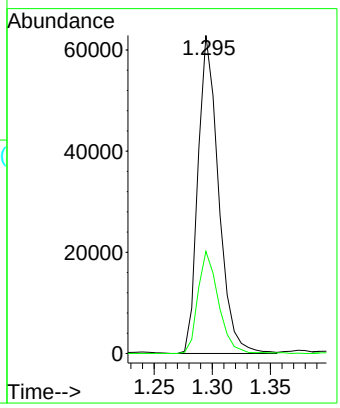




#3
Chloromethane
Concen: 48.232 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion: 50 Resp: 77541

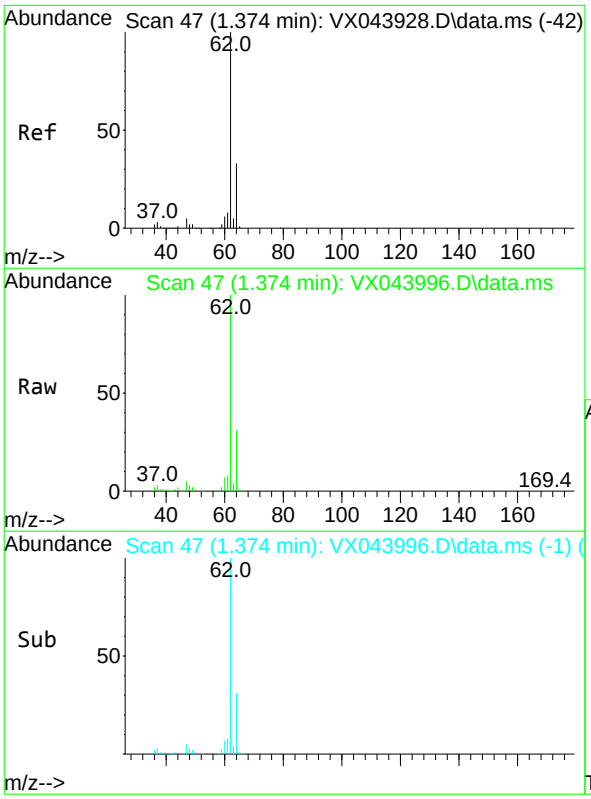
Ion	Ratio	Lower	Upper
50	100		
52	32.1	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MS

Manual Integrations
APPROVED

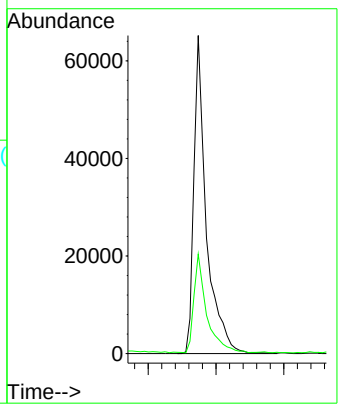
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

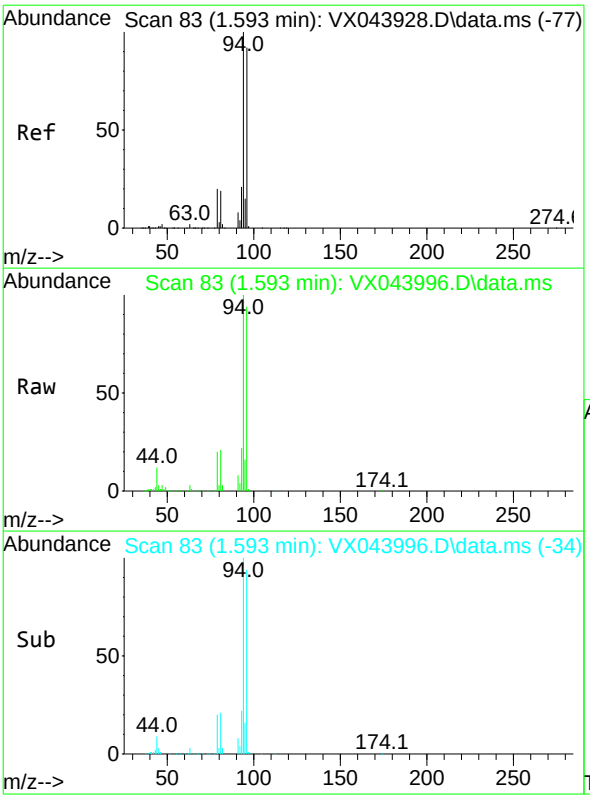


#4
Vinyl Chloride
Concen: 48.833 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion: 62 Resp: 83504

Ion	Ratio	Lower	Upper
62	100		
64	30.9	26.2	39.4

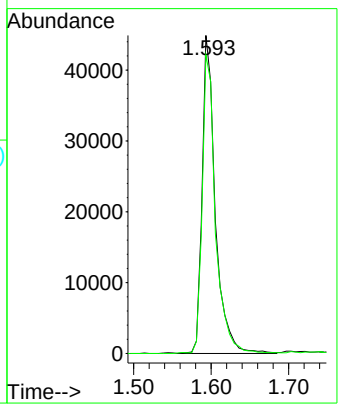




#5
Bromomethane
Concen: 50.454 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion: 94 Resp: 53075

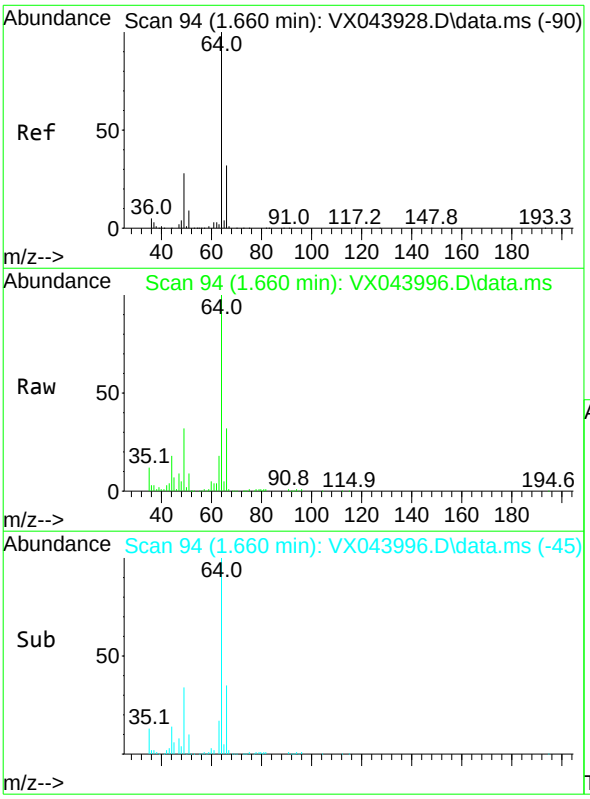
Ion	Ratio	Lower	Upper
94	100		
96	93.7	73.9	110.9



Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MS

Manual Integrations
APPROVED

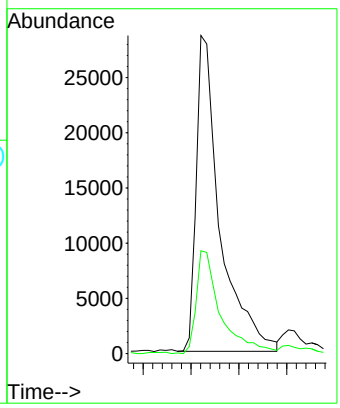
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

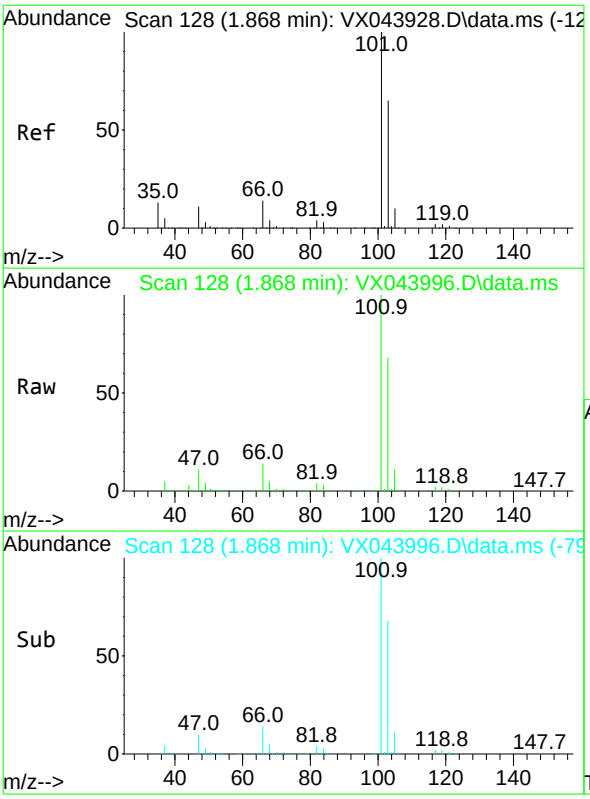


#6
Chloroethane
Concen: 47.268 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion: 64 Resp: 49251

Ion	Ratio	Lower	Upper
64	100		
66	32.4	25.9	38.9

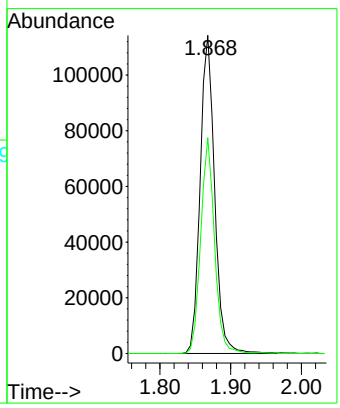




#7
Trichlorofluoromethane
Concen: 53.034 ug/l
RT: 1.868 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion:101 Resp: 162135

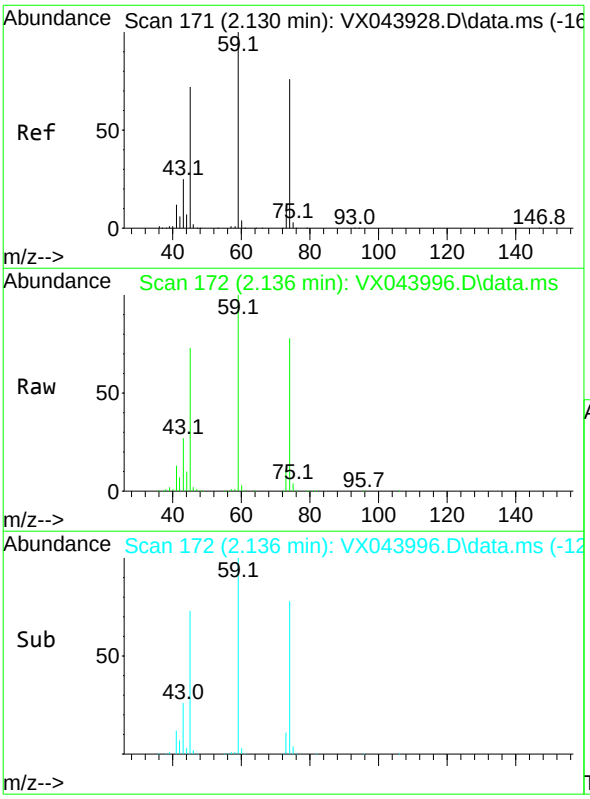
Ion	Ratio	Lower	Upper
101	100		
103	67.9	52.2	78.2



Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MS

Manual Integrations
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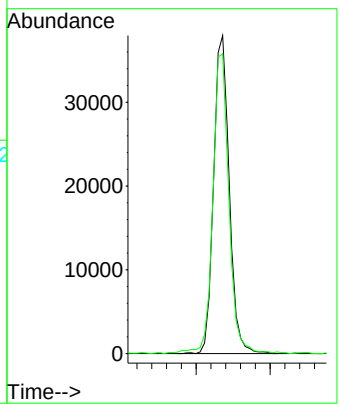
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

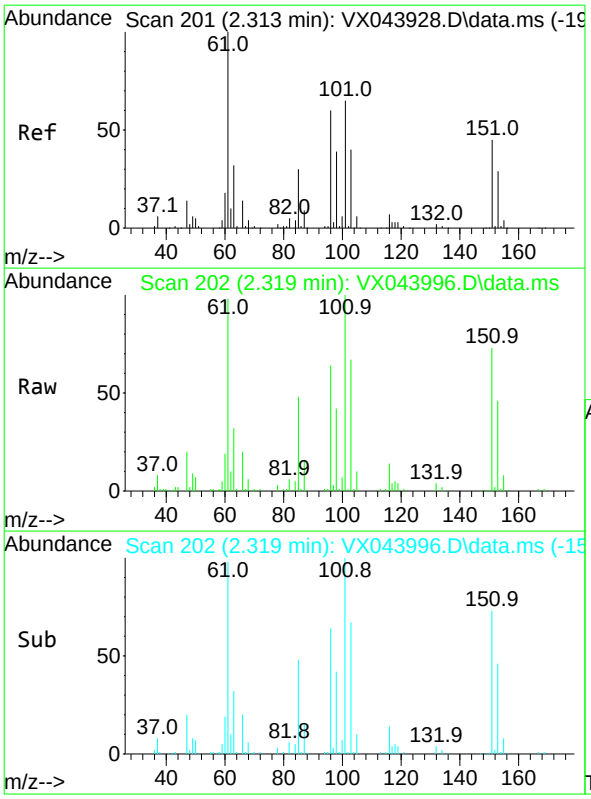


#8
Diethyl Ether
Concen: 49.726 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion: 74 Resp: 55409

Ion	Ratio	Lower	Upper
74	100		
45	97.6	47.9	143.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.844 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

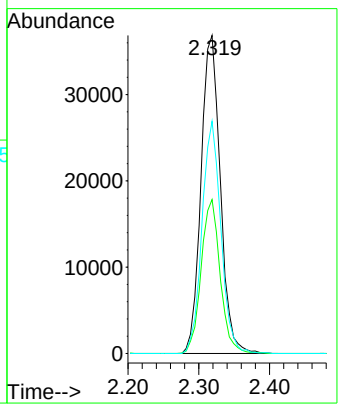
Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MS

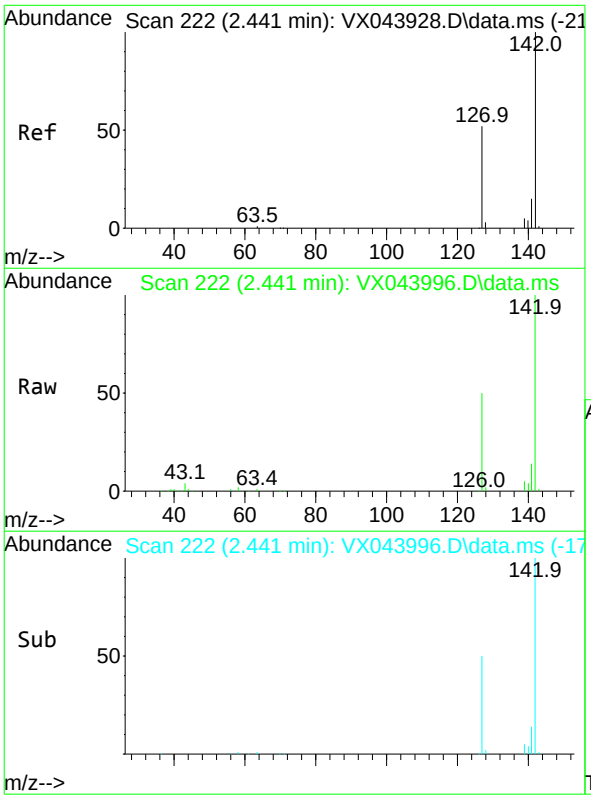
Tgt Ion:101 Resp: 69771

Ion	Ratio	Lower	Upper
101	100		
85	47.8	37.9	56.9
151	71.7	57.5	86.3

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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

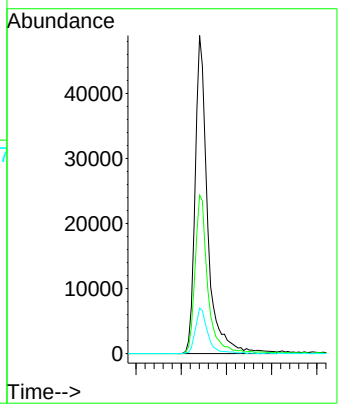


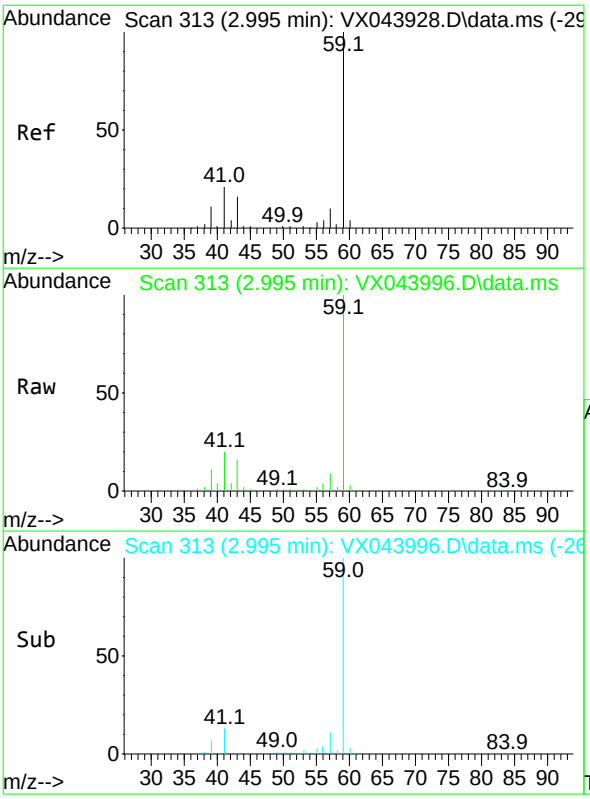


#10
Methyl Iodide
Concen: 51.660 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion:142 Resp: 94089

Ion	Ratio	Lower	Upper
142	100		
127	50.2	40.7	61.1
141	14.1	12.0	18.0

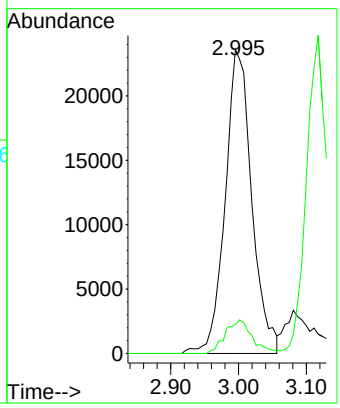




#11
Tert butyl alcohol
Concen: 193.507 ug/l
RT: 2.995 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion: 59 Resp: 64244

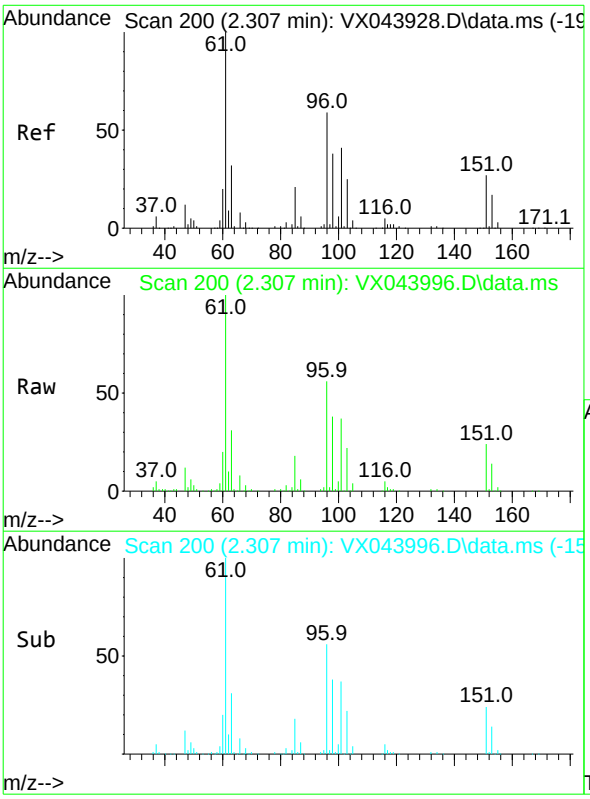
Ion	Ratio	Lower	Upper
59	100		
57	11.3	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MS

Manual Integrations
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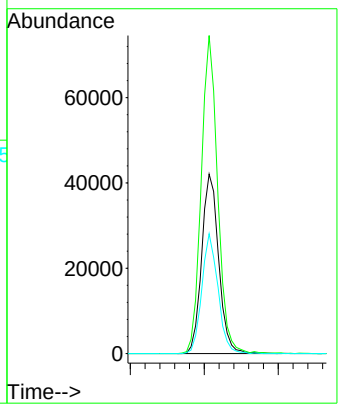
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

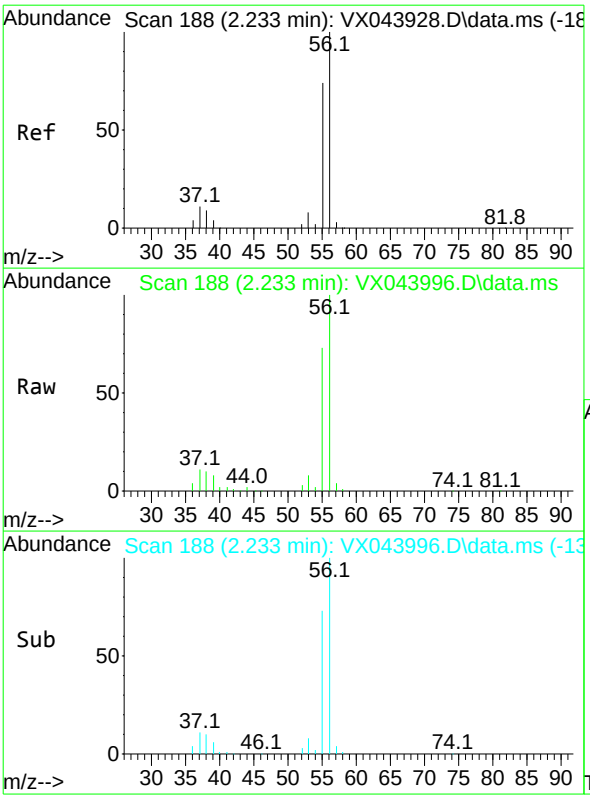


#12
1,1-Dichloroethene
Concen: 48.279 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion: 96 Resp: 67089

Ion	Ratio	Lower	Upper
96	100		
61	177.2	135.5	203.3
98	66.8	50.8	76.2

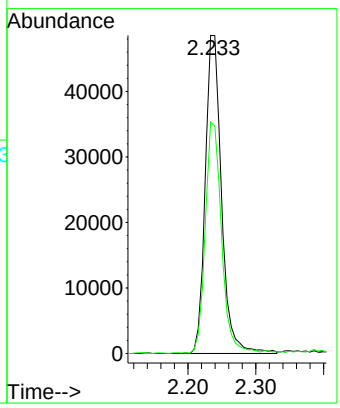




#13
Acrolein
Concen: 231.157 ug/l
RT: 2.233 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion: 56 Resp: 80891

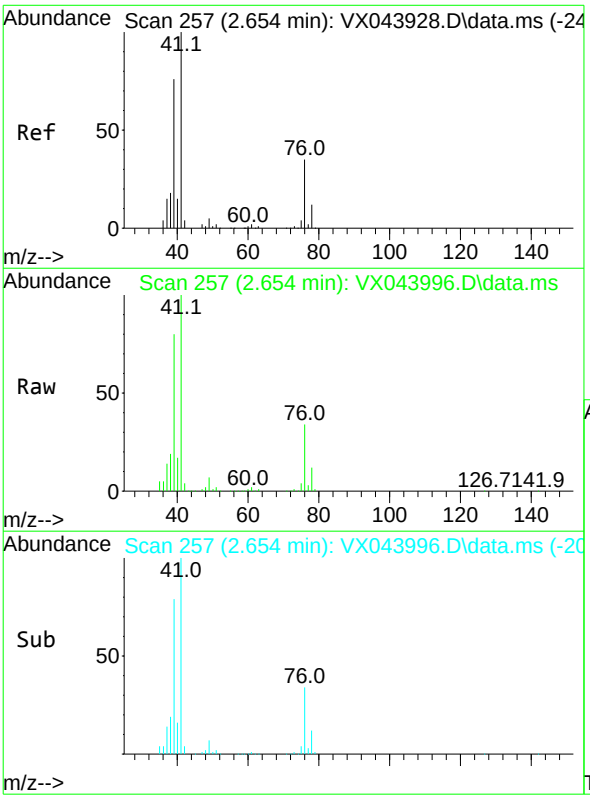
Ion	Ratio	Lower	Upper
56	100		
55	72.2	58.2	87.2



Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MS

Manual Integrations
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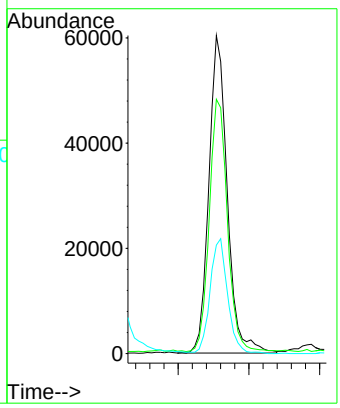
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

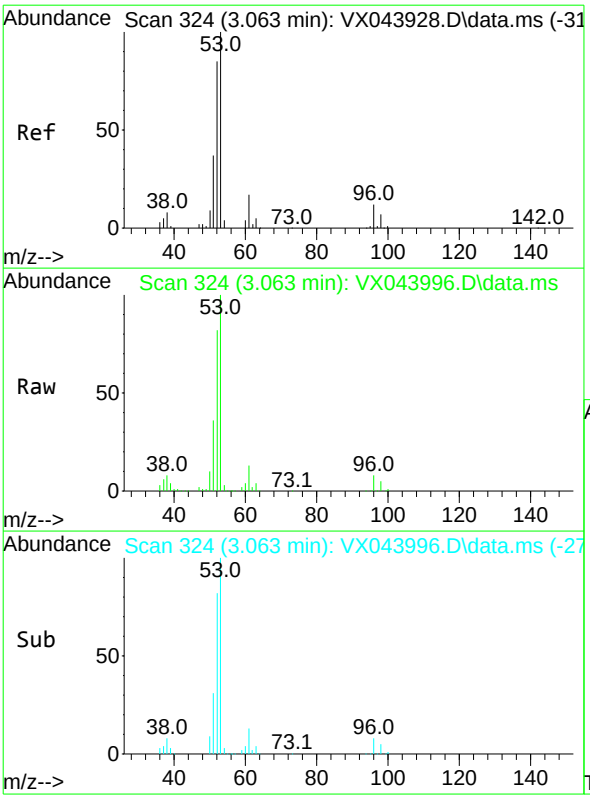


#14
Allyl chloride
Concen: 47.958 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion: 41 Resp: 108894

Ion	Ratio	Lower	Upper
41	100		
39	78.4	59.5	89.3
76	34.6	27.4	41.2





#15
Acrylonitrile
Concen: 245.680 ug/l
RT: 3.063 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

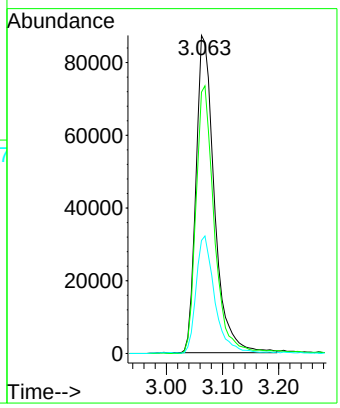
Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MS

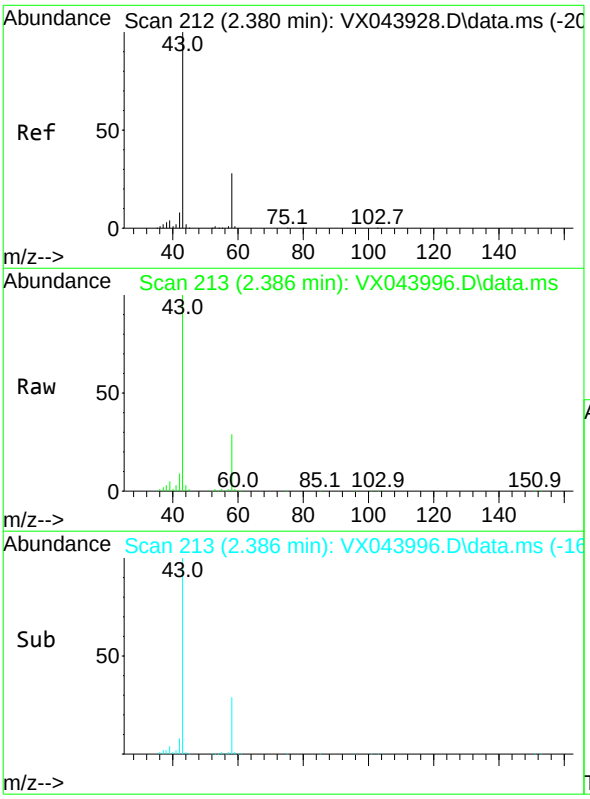
Tgt Ion: 53 Resp: 198769

Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.5	99.7
51	37.3	30.2	45.4

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

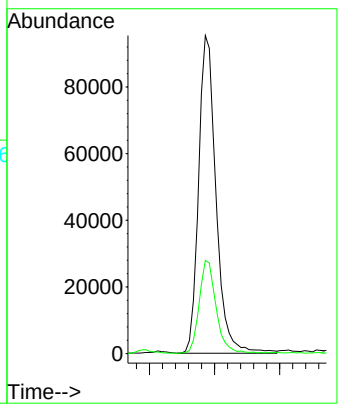


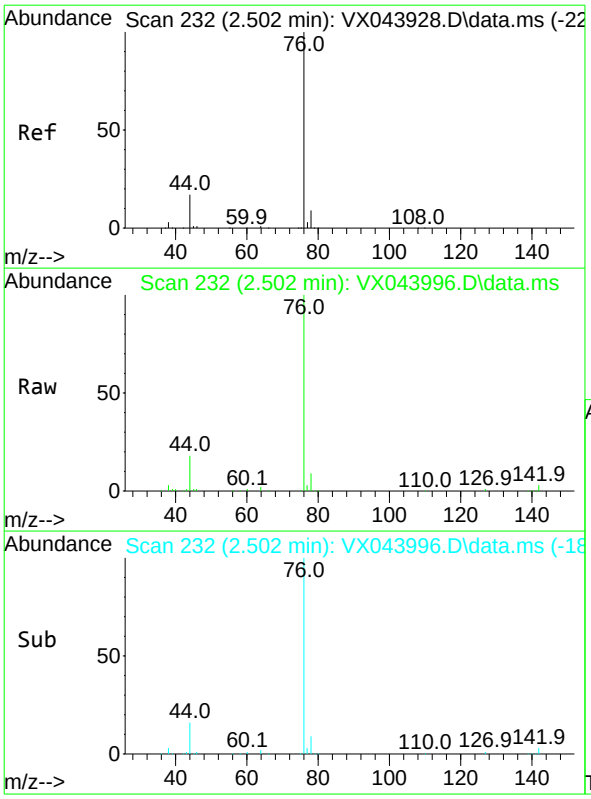


#16
Acetone
Concen: 186.542 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion: 43 Resp: 177216

Ion	Ratio	Lower	Upper
43	100		
58	29.3	22.7	34.1





#17
Carbon Disulfide
Concen: 42.901 ug/l
RT: 2.502 min Scan# 23
Delta R.T. -0.000 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

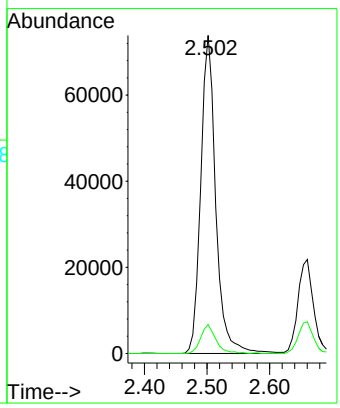
Tgt Ion: 76 Resp: 122972

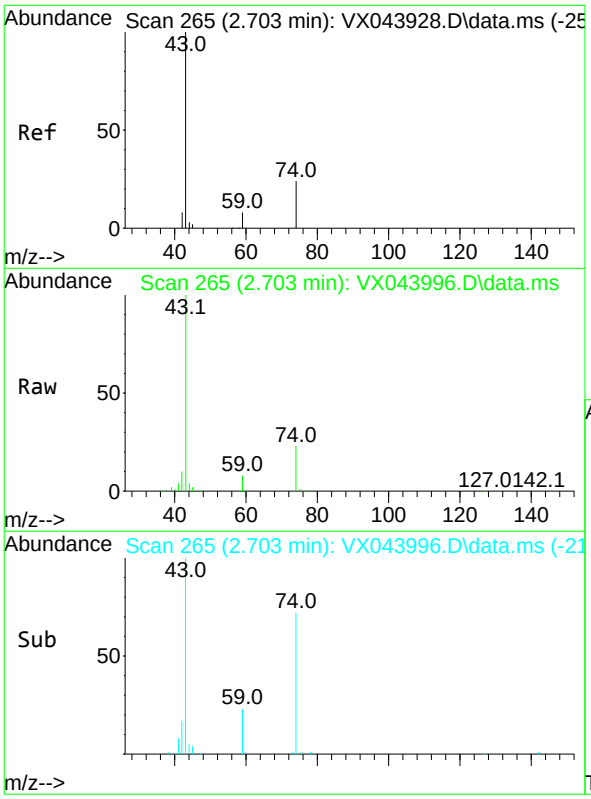
Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.6

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MS

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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

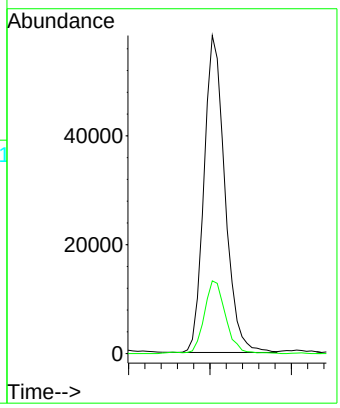


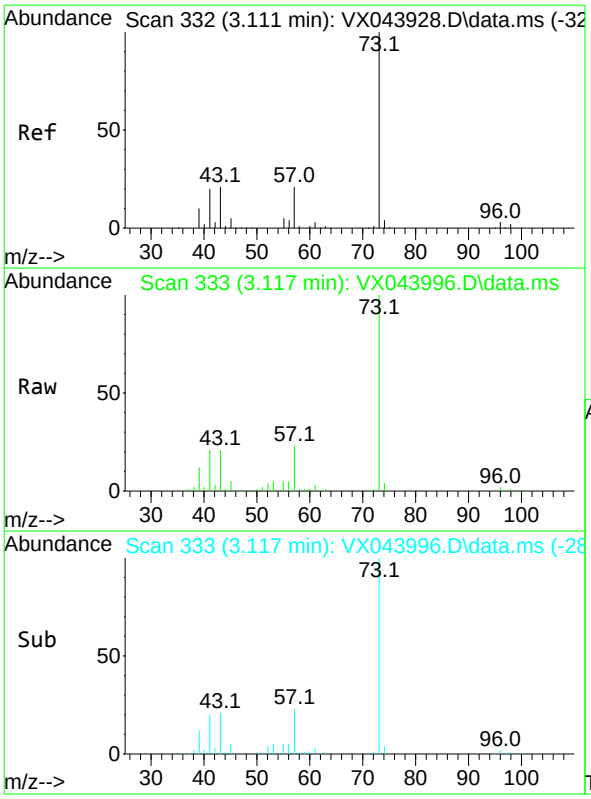


#18
Methyl Acetate
Concen: 47.032 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion: 43 Resp: 104051

Ion	Ratio	Lower	Upper
43	100		
74	23.3	18.9	28.3

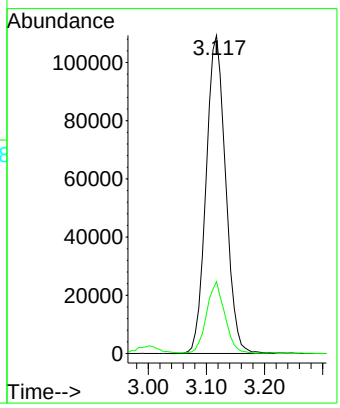




#19
Methyl tert-butyl Ether
Concen: 50.551 ug/l
RT: 3.117 min Scan# 33
Delta R.T. 0.006 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion: 73 Resp: 255059

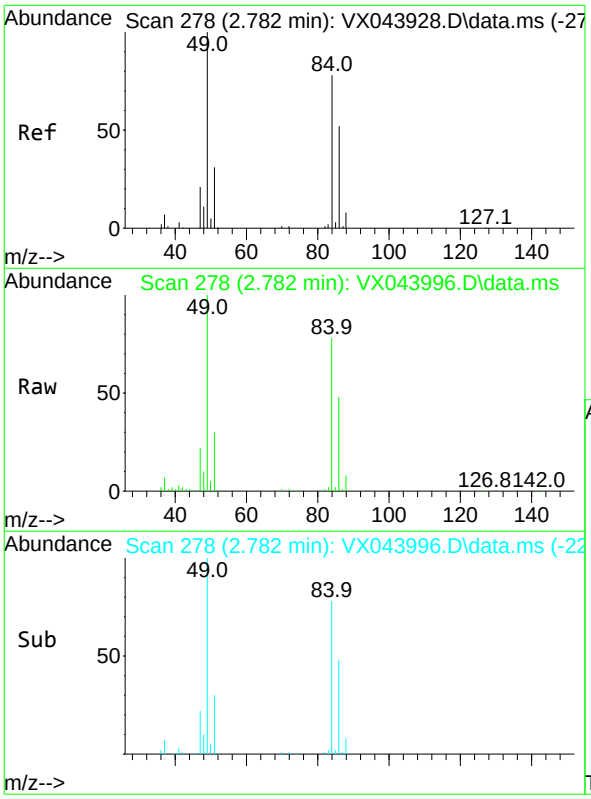
Ion	Ratio	Lower	Upper
73	100		
57	22.6	17.0	25.6



Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MS

Manual Integrations
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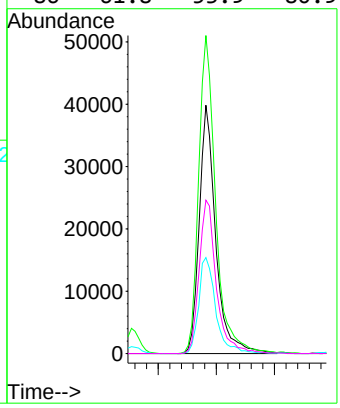
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

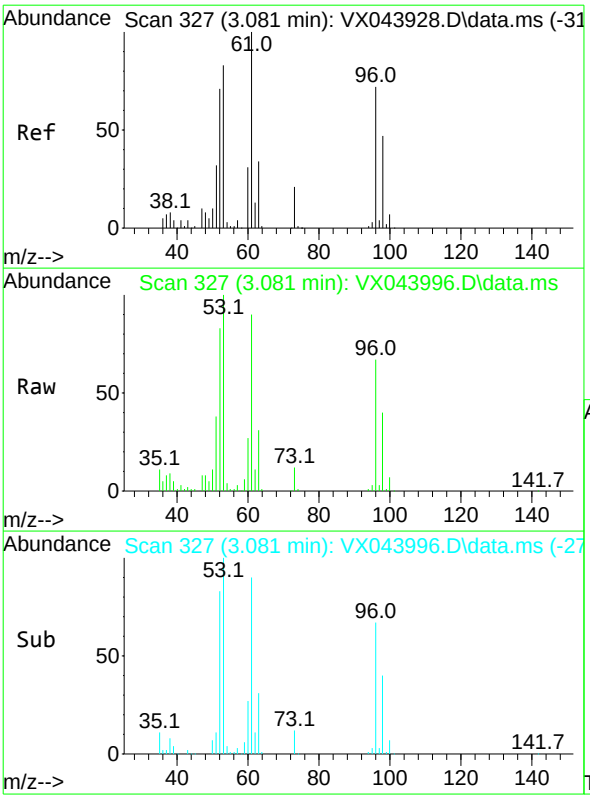


#20
Methylene Chloride
Concen: 48.647 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion: 84 Resp: 78426

Ion	Ratio	Lower	Upper
84	100		
49	128.1	102.7	154.1
51	38.7	31.7	47.5
86	61.8	53.9	80.9

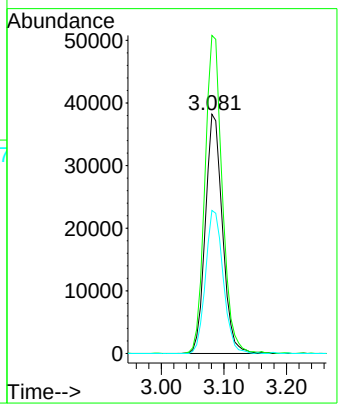




#21
trans-1,2-Dichloroethene
Concen: 50.442 ug/l
RT: 3.081 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion: 96 Resp: 72369

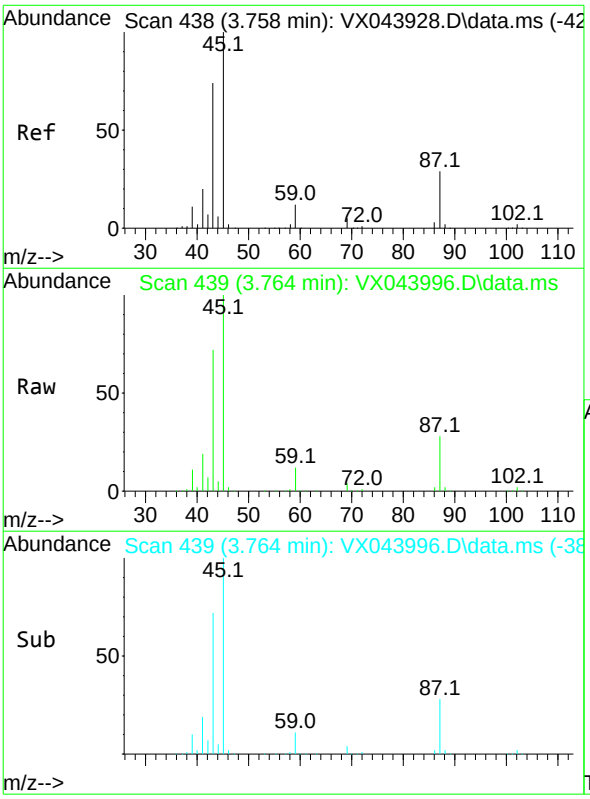
Ion	Ratio	Lower	Upper
96	100		
61	132.9	111.8	167.6
98	59.8	52.7	79.1



Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MS

Manual Integrations
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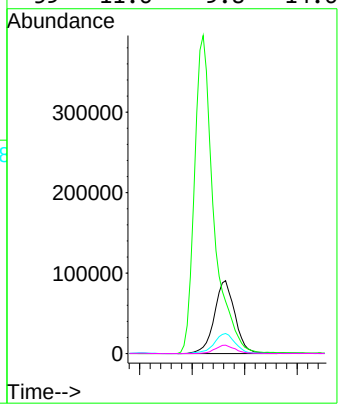
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

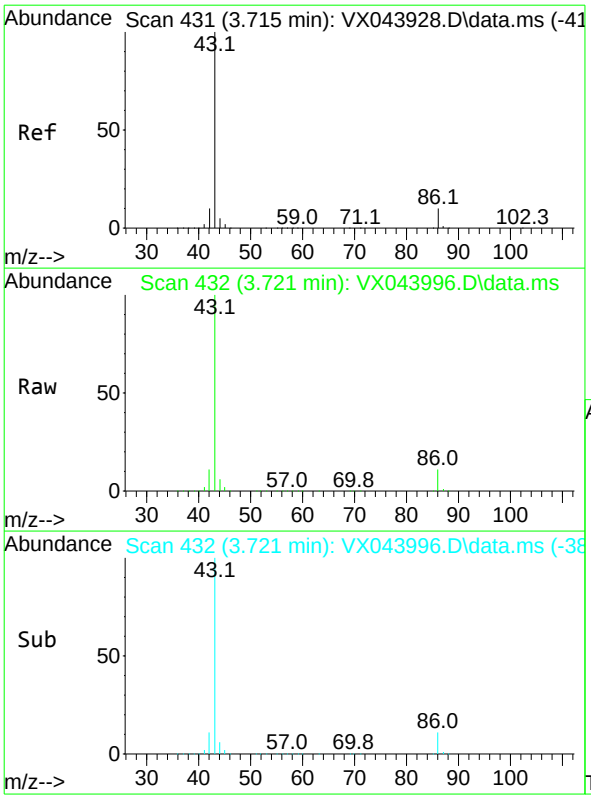


#22
Diisopropyl ether
Concen: 50.957 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion: 45 Resp: 247410

Ion	Ratio	Lower	Upper
45	100		
43	71.4	59.6	89.4
87	27.5	22.9	34.3
59	11.6	9.8	14.6





#23
Vinyl Acetate
Concen: 244.138 ug/l
RT: 3.721 min Scan# 43
Delta R.T. 0.006 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

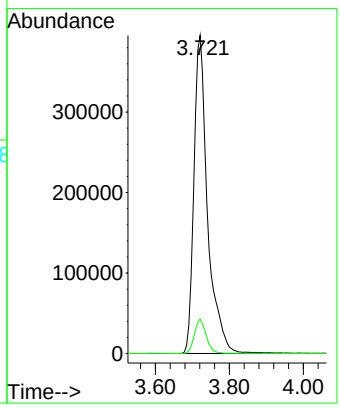
Tgt Ion: 43 Resp: 1014001

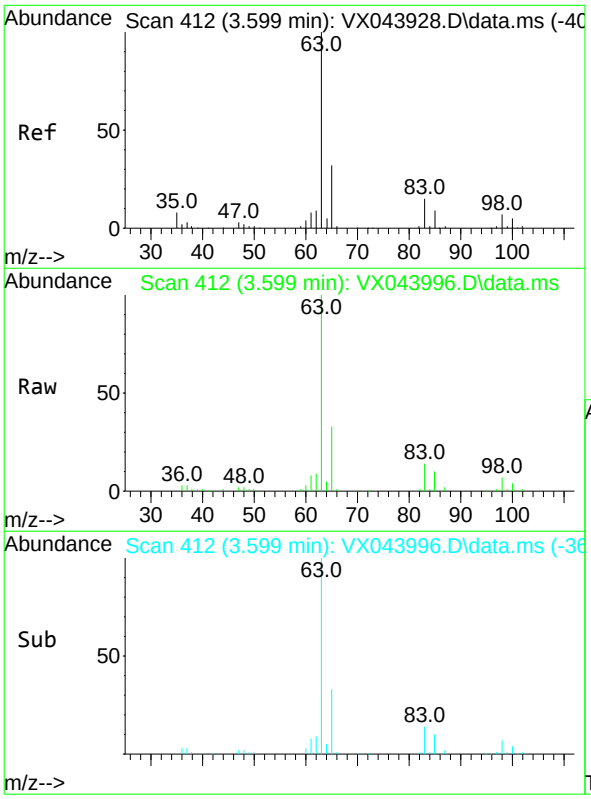
Ion	Ratio	Lower	Upper
43	100		
86	10.8	8.3	12.5

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MS

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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

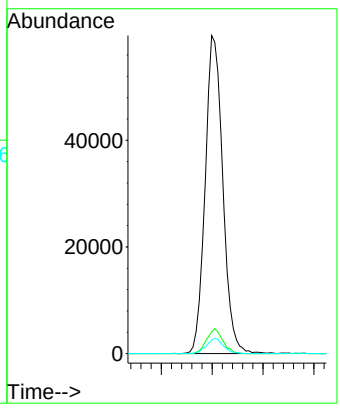


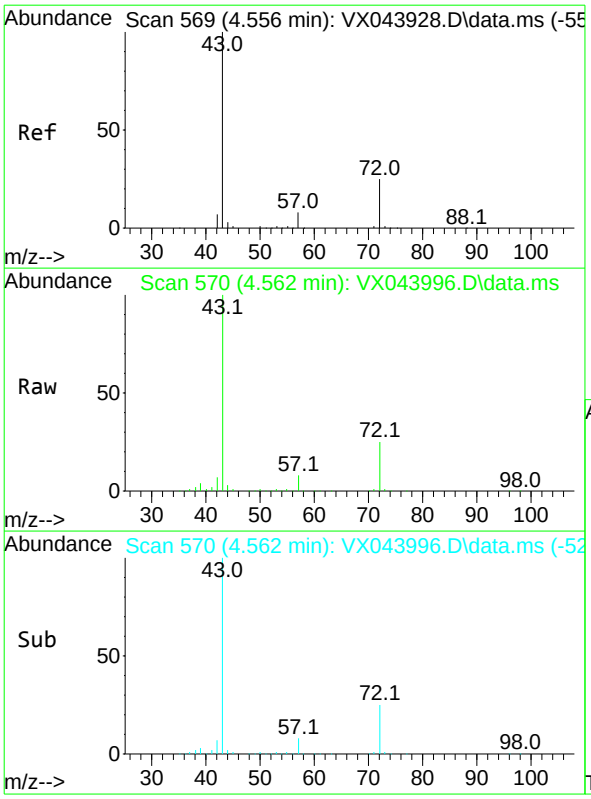


#24
1,1-Dichloroethane
Concen: 51.308 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.000 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion: 63 Resp: 143713

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.5	10.6
100	4.2	2.4	7.1

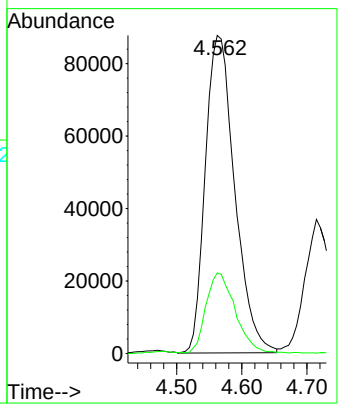




#25
2-Butanone
Concen: 224.678 ug/l
RT: 4.562 min Scan# 57
Delta R.T. 0.006 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion: 43 Resp: 275411

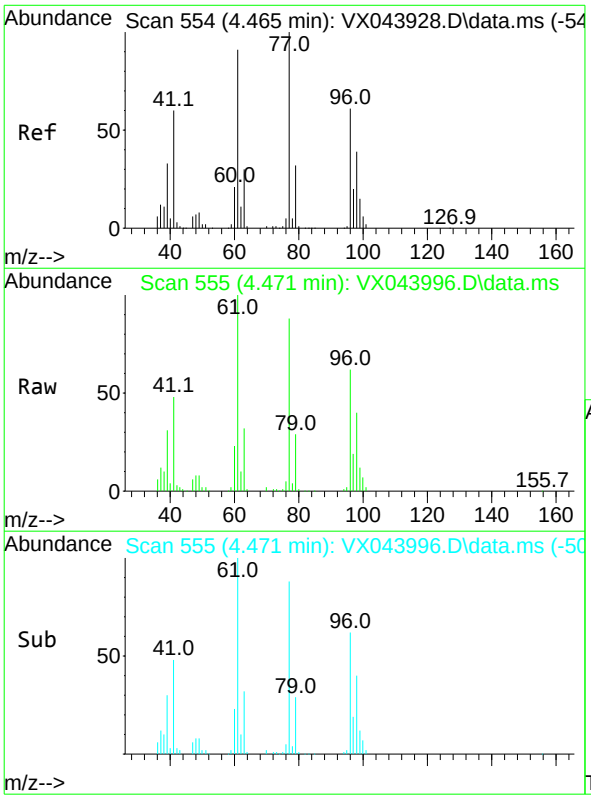
Ion	Ratio	Lower	Upper
43	100		
72	25.1	20.2	30.2



Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MS

Manual Integrations
APPROVED

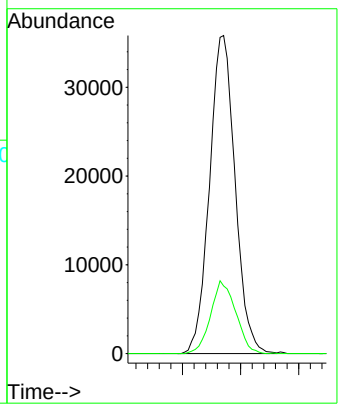
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

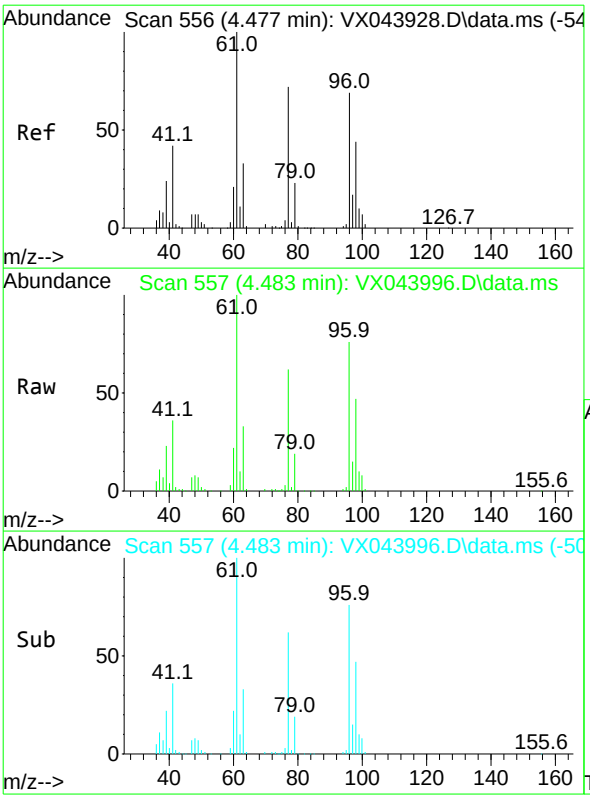


#26
2,2-Dichloropropane
Concen: 43.286 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion: 77 Resp: 109495

Ion	Ratio	Lower	Upper
77	100		
97	22.4	10.8	32.3

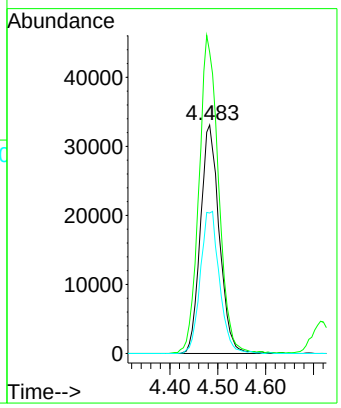




#27
cis-1,2-Dichloroethene
Concen: 51.064 ug/l
RT: 4.483 min Scan# 55
Delta R.T. 0.006 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion: 96 Resp: 90558

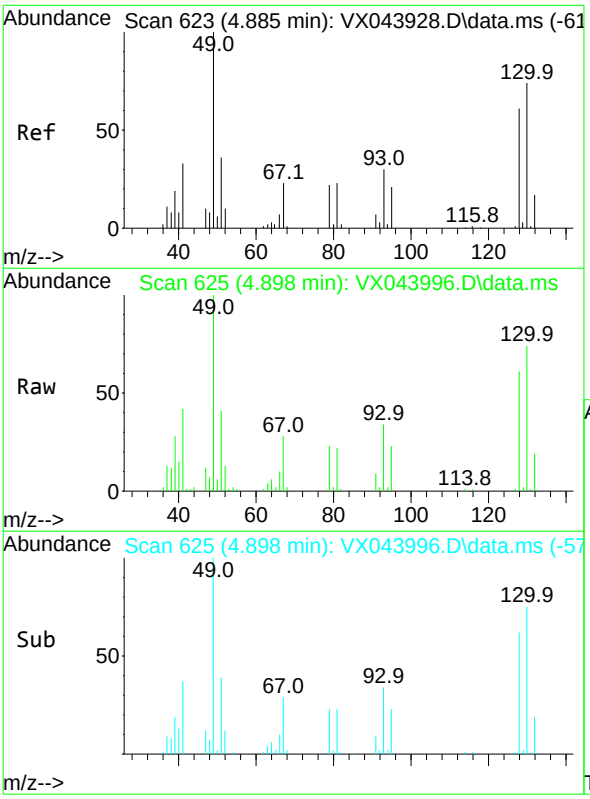
Ion	Ratio	Lower	Upper
96	100		
61	144.2	0.0	297.4
98	63.2	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MS

Manual Integrations
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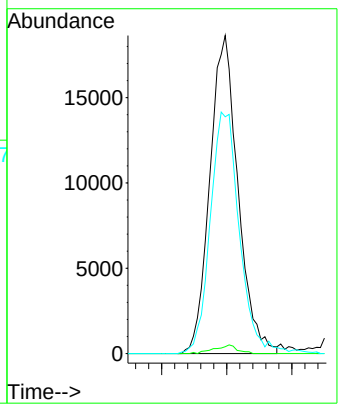
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

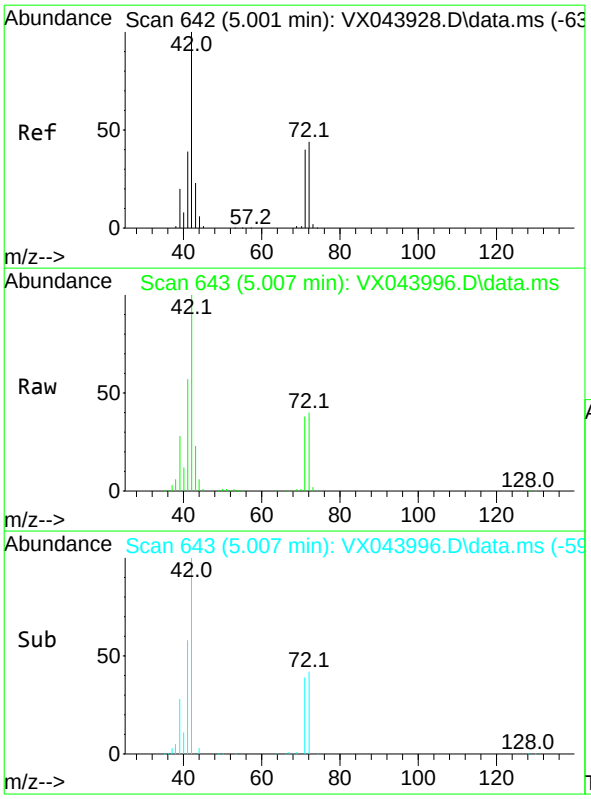


#28
Bromochloromethane
Concen: 45.471 ug/l
RT: 4.898 min Scan# 625
Delta R.T. 0.012 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion: 49 Resp: 56062

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.0
130	78.4	59.0	88.6





#29
Tetrahydrofuran
Concen: 237.648 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

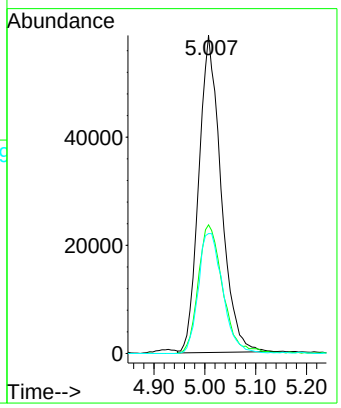
Tgt Ion: 42 Resp: 178591

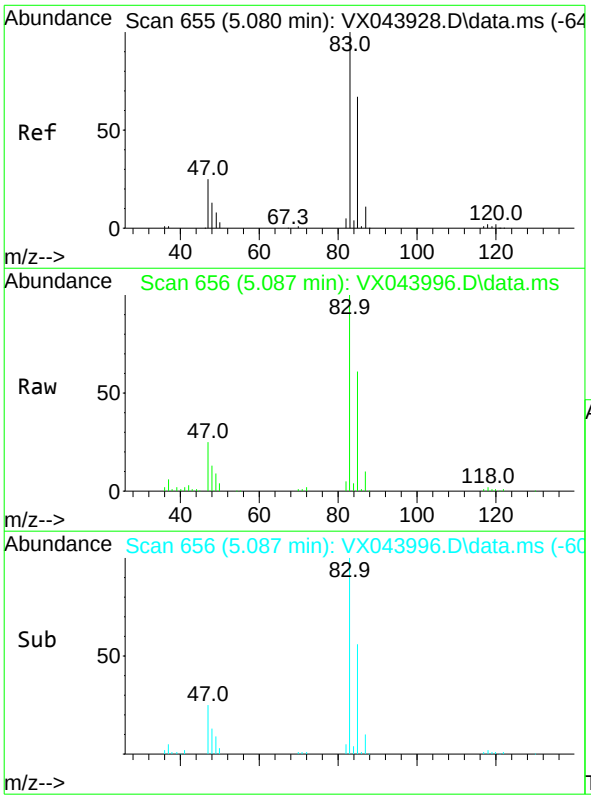
Ion	Ratio	Lower	Upper
42	100		
72	44.7	36.4	54.6
71	41.4	33.4	50.0

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MS

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Supervised By :Semsettin Yesilyurt 11/26/2024

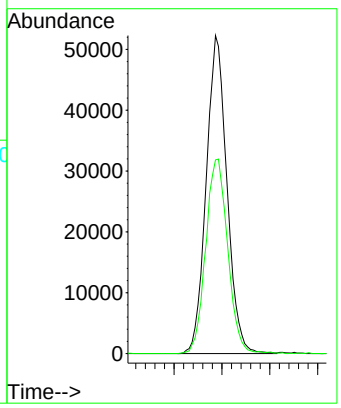


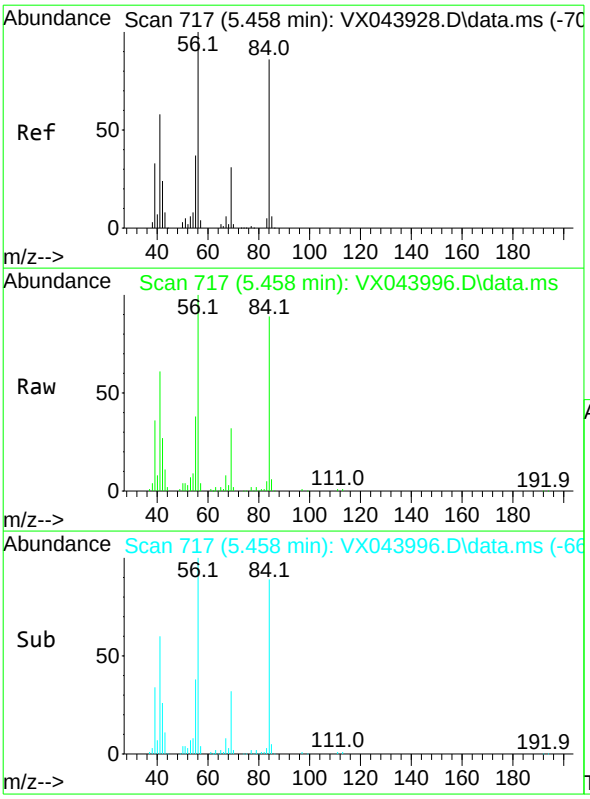


#30
Chloroform
Concen: 52.168 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion: 83 Resp: 157159

Ion	Ratio	Lower	Upper
83	100		
85	60.9	53.5	80.3





#31
Cyclohexane
Concen: 47.556 ug/l
RT: 5.458 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

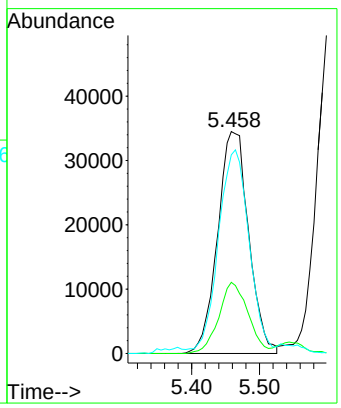
Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MS

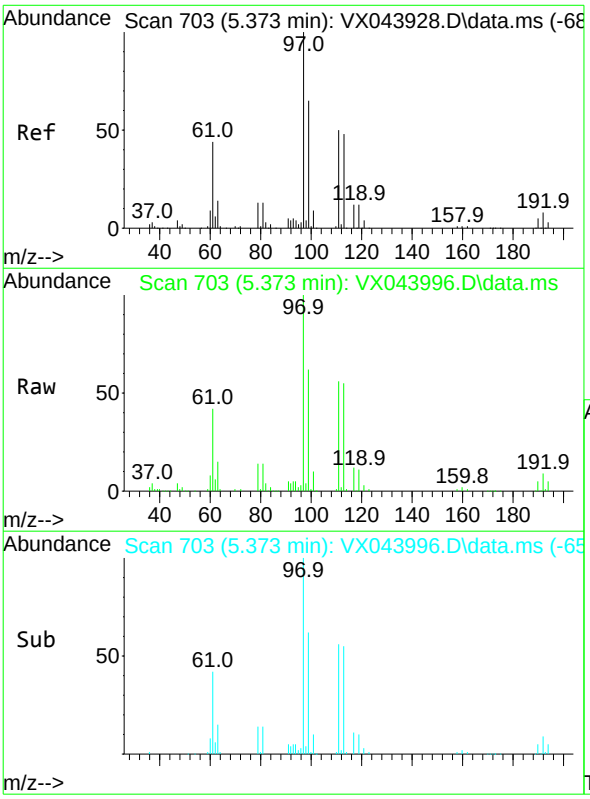
Tgt Ion: 56 Resp: 109631

Ion	Ratio	Lower	Upper
56	100		
69	32.1	24.7	37.1
84	86.7	68.7	103.1

Manual Integrations
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Supervised By :Semsettin Yesilyurt 11/26/2024

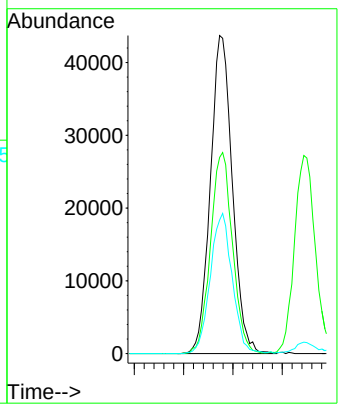


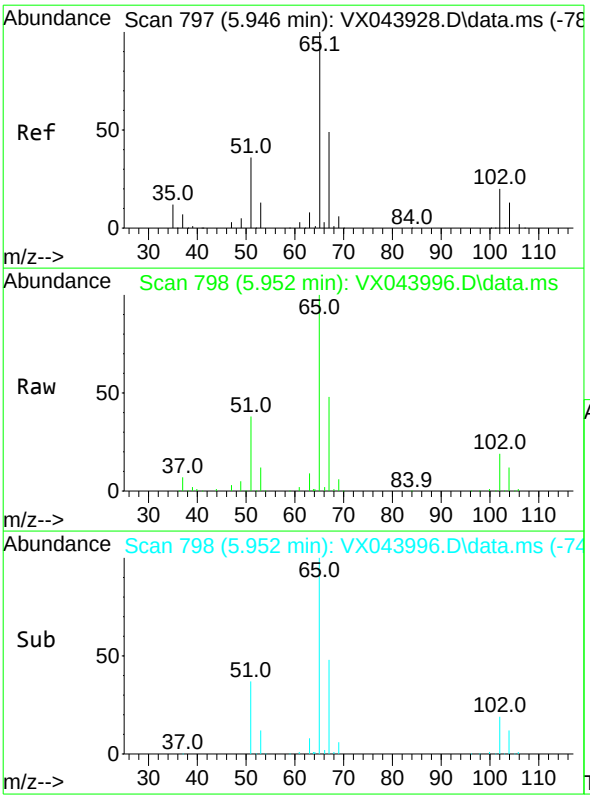


#32
1,1,1-Trichloroethane
Concen: 52.071 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion: 97 Resp: 135274

Ion	Ratio	Lower	Upper
97	100		
99	63.4	50.8	76.2
61	44.0	35.4	53.2

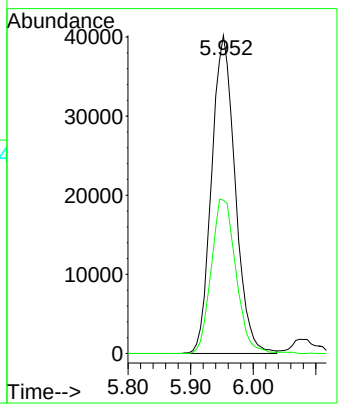




#33
1,2-Dichloroethane-d4
Concen: 50.840 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.006 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion: 65 Resp: 105158

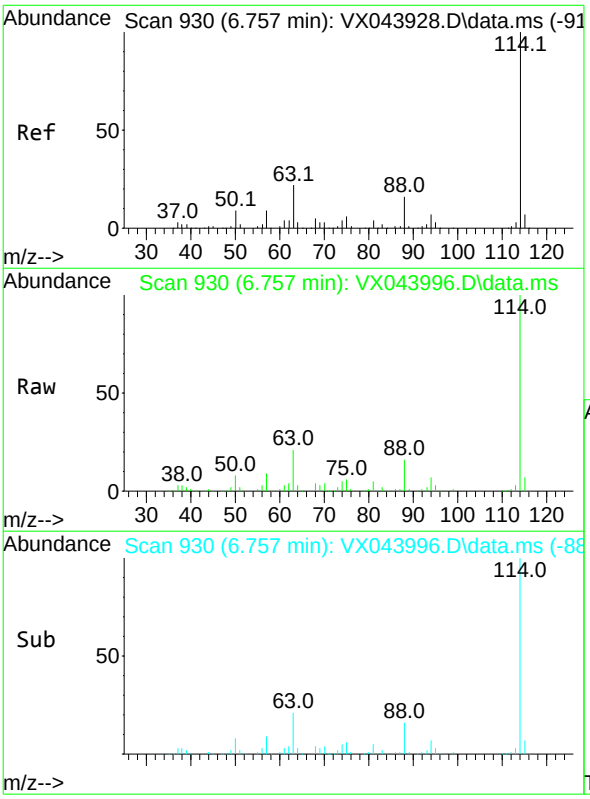
Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	100.8



Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MS

Manual Integrations
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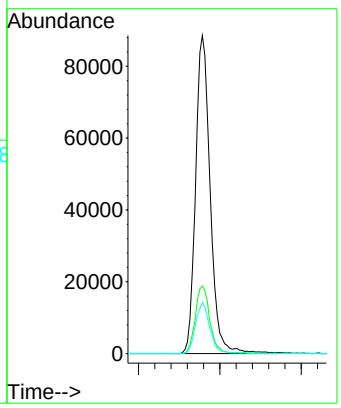
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

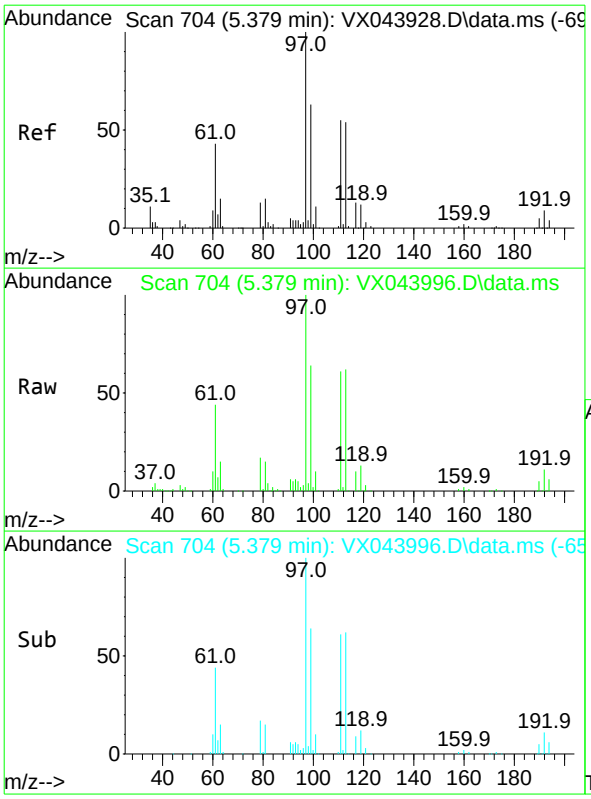


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion:114 Resp: 220639

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	44.0
88	16.0	0.0	32.4





#35
Dibromofluoromethane
Concen: 50.712 ug/l
RT: 5.379 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

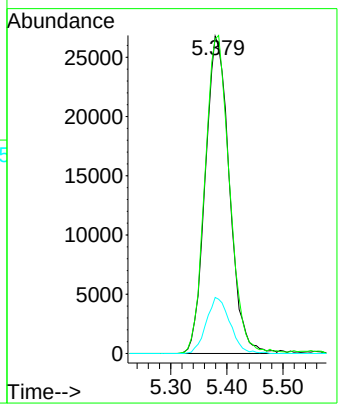
Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MS

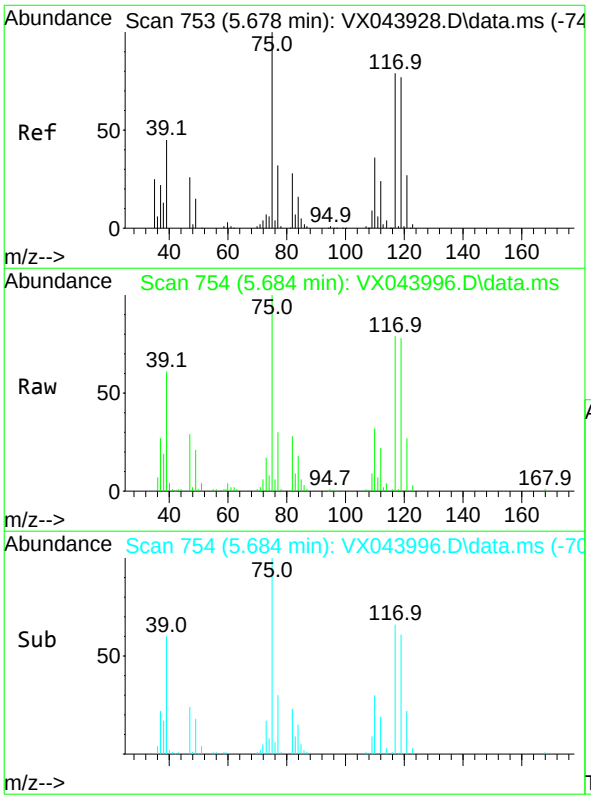
Tgt Ion:113 Resp: 79952

Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.0	121.4
192	17.3	13.0	19.6

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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

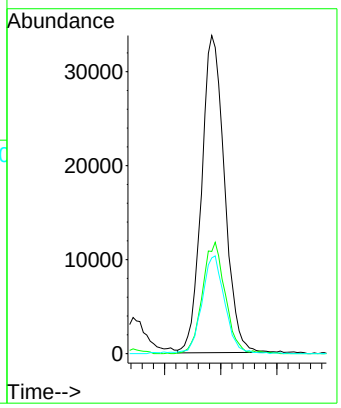


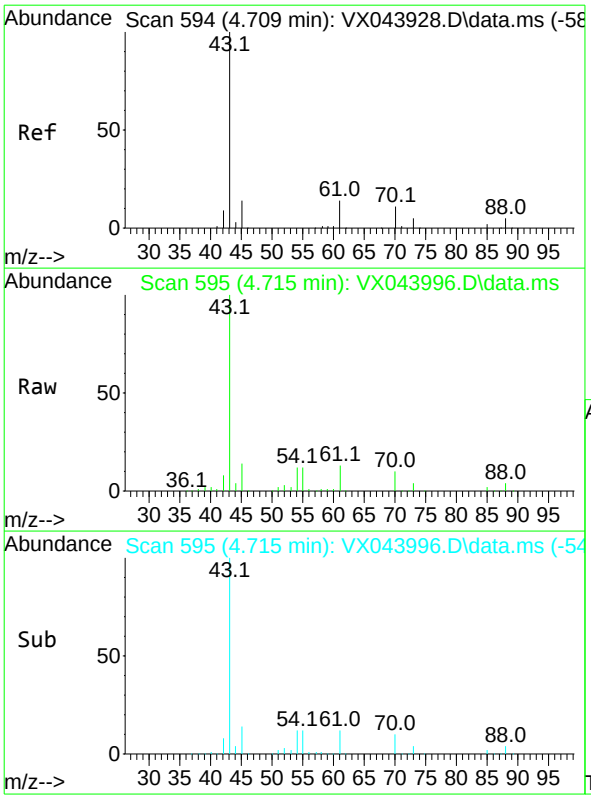


#36
1,1-Dichloropropene
Concen: 48.675 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion: 75 Resp: 95627

Ion	Ratio	Lower	Upper
75	100		
110	34.7	17.4	52.2
77	30.5	25.8	38.8





#37
Ethyl Acetate
Concen: 44.558 ug/l
RT: 4.715 min Scan# 59
Delta R.T. 0.006 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

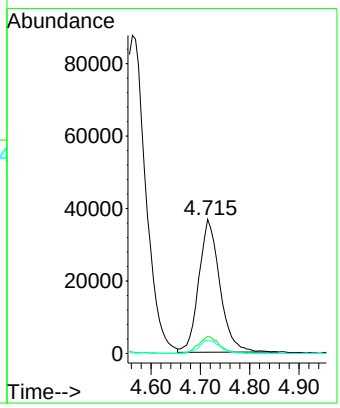
Tgt Ion: 43 Resp: 108664

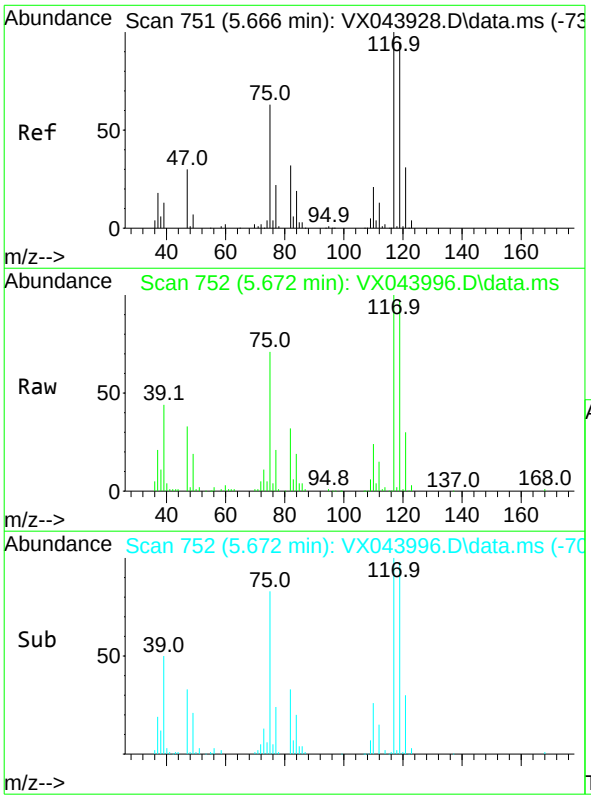
Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.7	16.1
70	9.9	8.0	12.0

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MS

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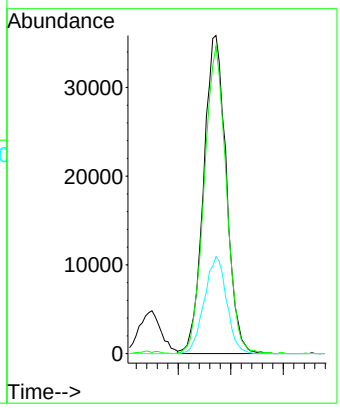


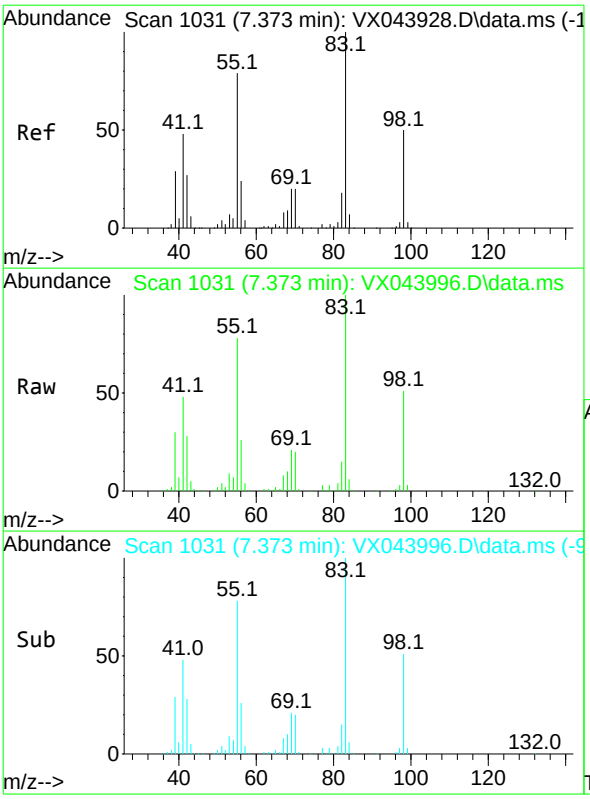


#38
Carbon Tetrachloride
Concen: 48.698 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.006 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion:117 Resp: 107500

Ion	Ratio	Lower	Upper
117	100		
119	96.7	75.2	112.8
121	30.5	24.5	36.7





#39
Methylcyclohexane
Concen: 45.960 ug/l
RT: 7.373 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

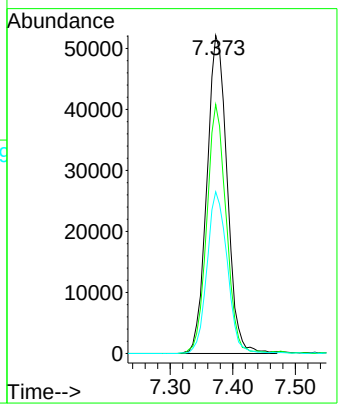
Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MS

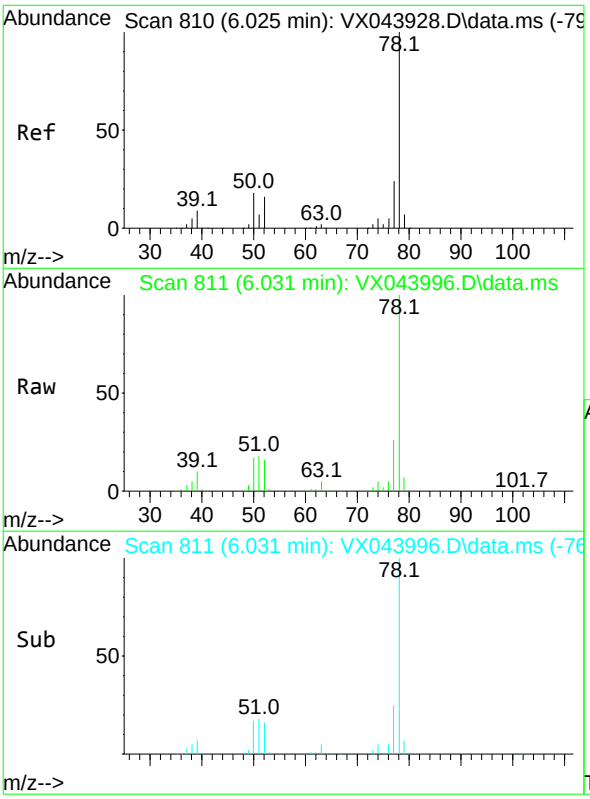
Tgt Ion: 83 Resp: 117301

Ion	Ratio	Lower	Upper
83	100		
55	78.3	63.1	94.7
98	50.9	40.0	60.0

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

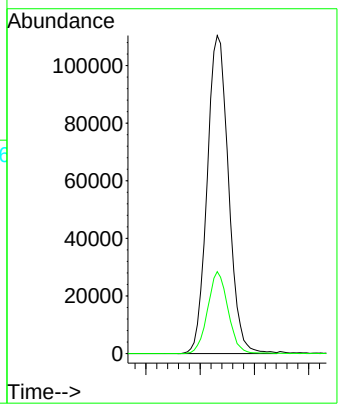


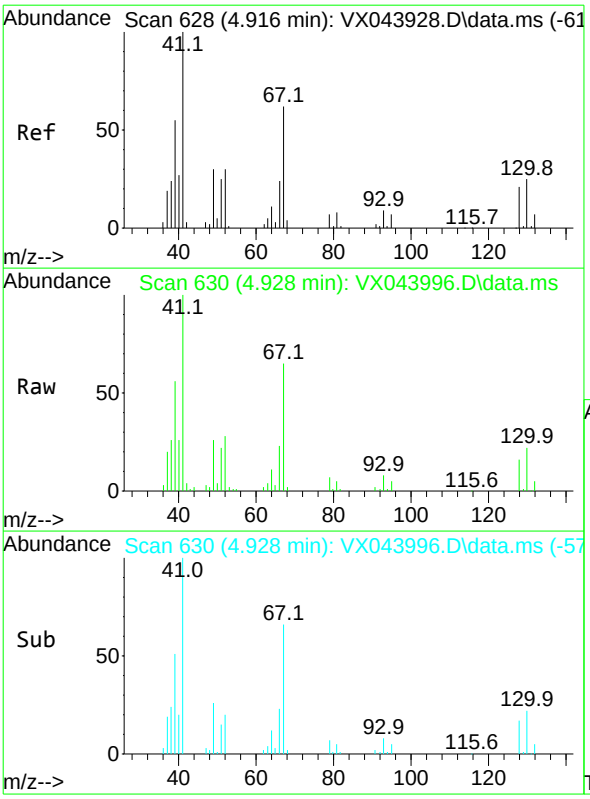


#40
Benzene
Concen: 49.404 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion: 78 Resp: 302334

Ion	Ratio	Lower	Upper
78	100		
77	25.8	19.2	28.8

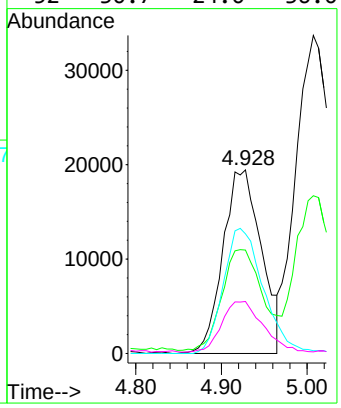




#41
Methacrylonitrile
Concen: 48.670 ug/l
RT: 4.928 min Scan# 63
Delta R.T. 0.012 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion: 41 Resp: 60749

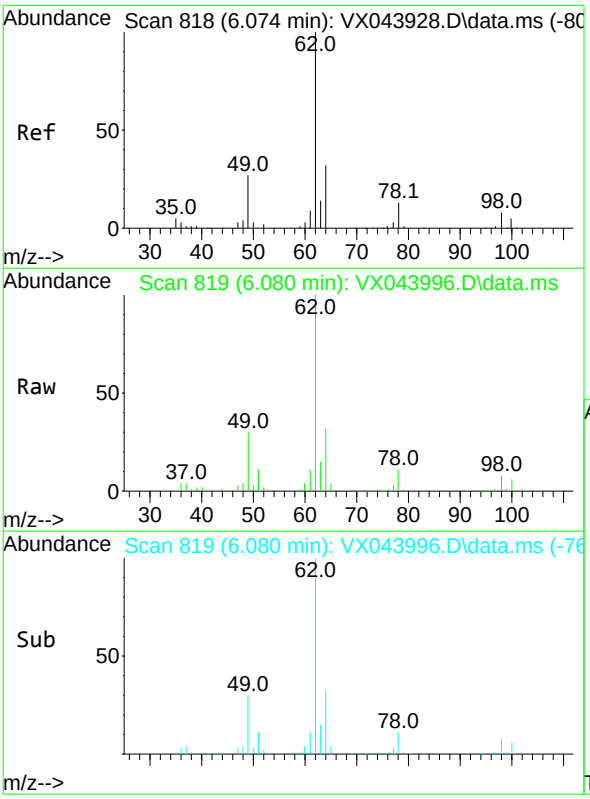
Ion	Ratio	Lower	Upper
41	100		
39	59.1	41.7	62.5
67	71.2	55.8	83.8
52	30.7	24.0	36.0



Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MS

Manual Integrations
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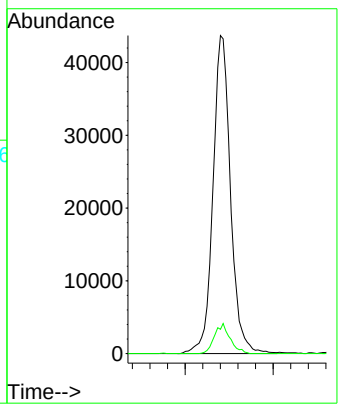
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

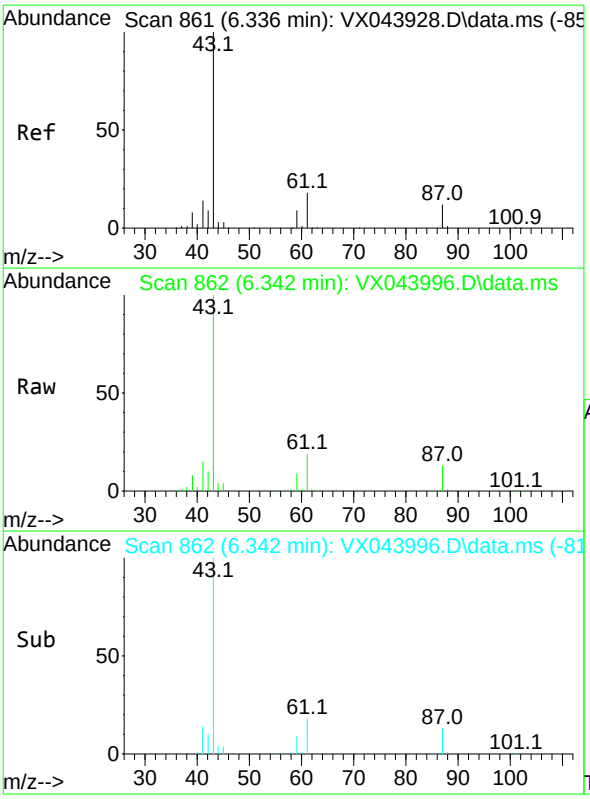


#42
1,2-Dichloroethane
Concen: 49.214 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.006 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion: 62 Resp: 120957

Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	16.4

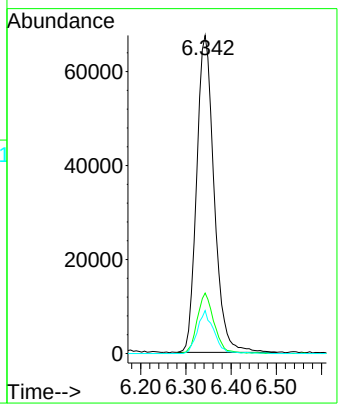




#43
Isopropyl Acetate
Concen: 46.628 ug/l
RT: 6.342 min Scan# 86
Delta R.T. 0.006 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion: 43 Resp: 180966

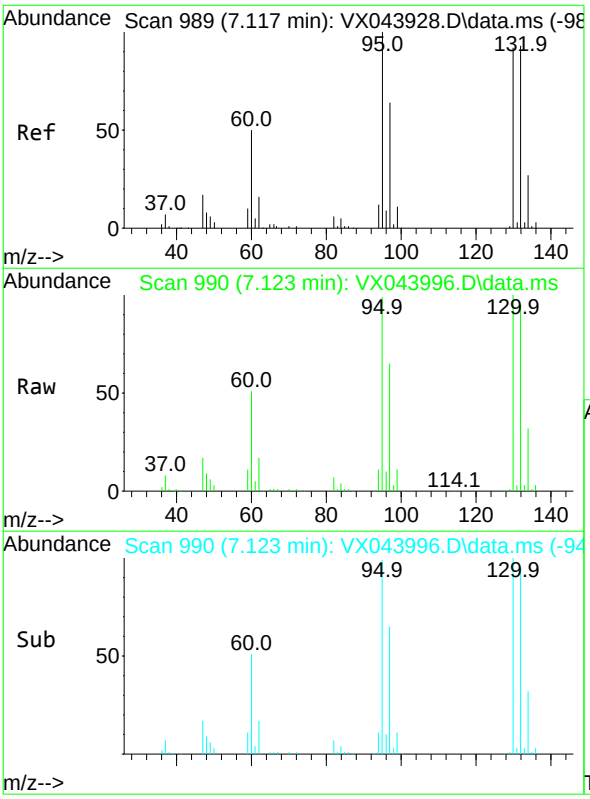
Ion	Ratio	Lower	Upper
43	100		
61	18.4	14.5	21.7
87	12.5	10.2	15.2



Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MS

Manual Integrations
APPROVED

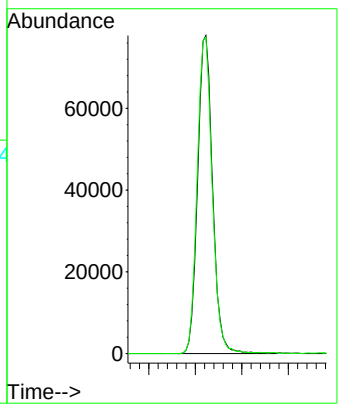
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

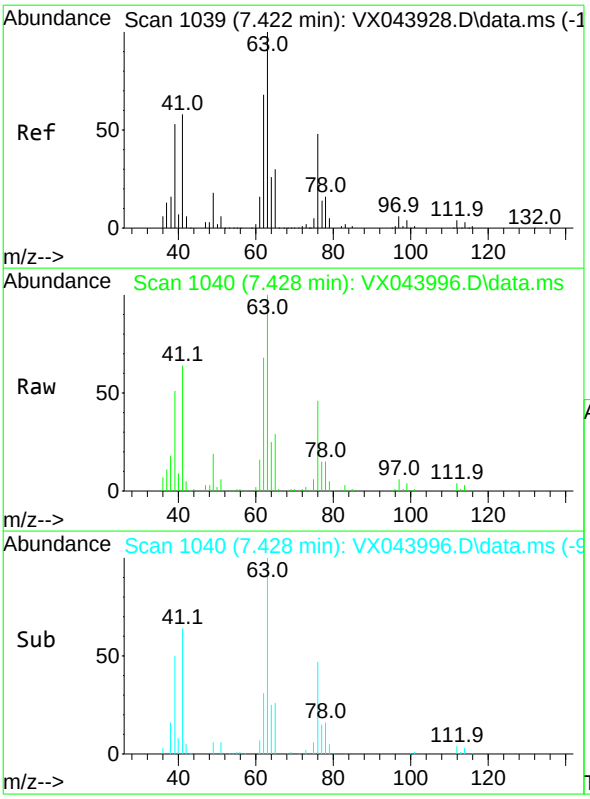


#44
Trichloroethene
Concen: 100.234 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion:130 Resp: 173643

Ion	Ratio	Lower	Upper
130	100		
95	99.5	0.0	217.8

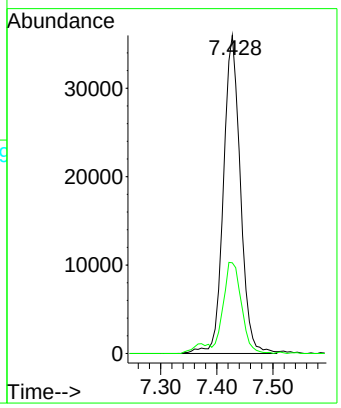




#45
1,2-Dichloropropane
Concen: 50.280 ug/l
RT: 7.428 min Scan# 10
Delta R.T. 0.006 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion: 63 Resp: 75361

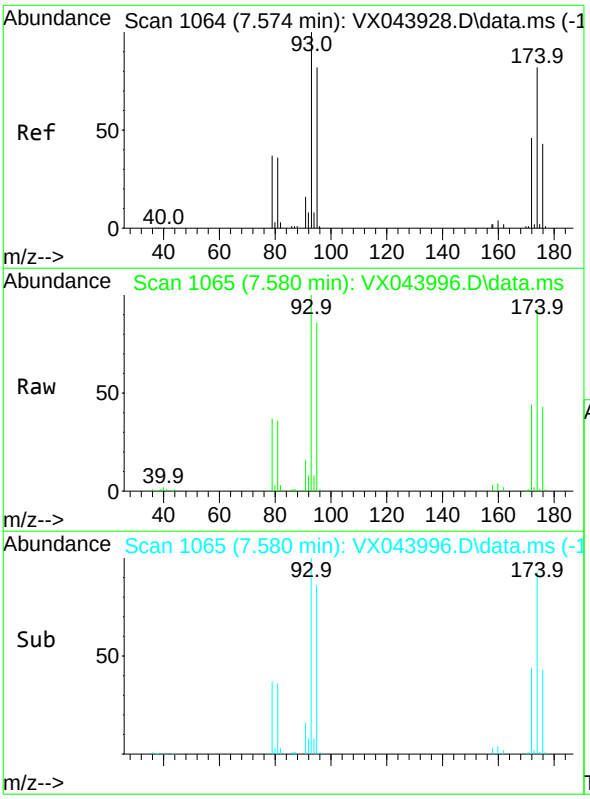
Ion	Ratio	Lower	Upper
63	100		
65	28.5	23.8	35.6



Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MS

Manual Integrations
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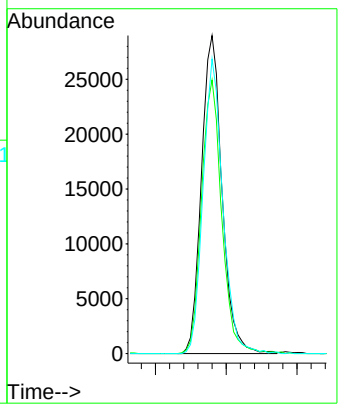
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

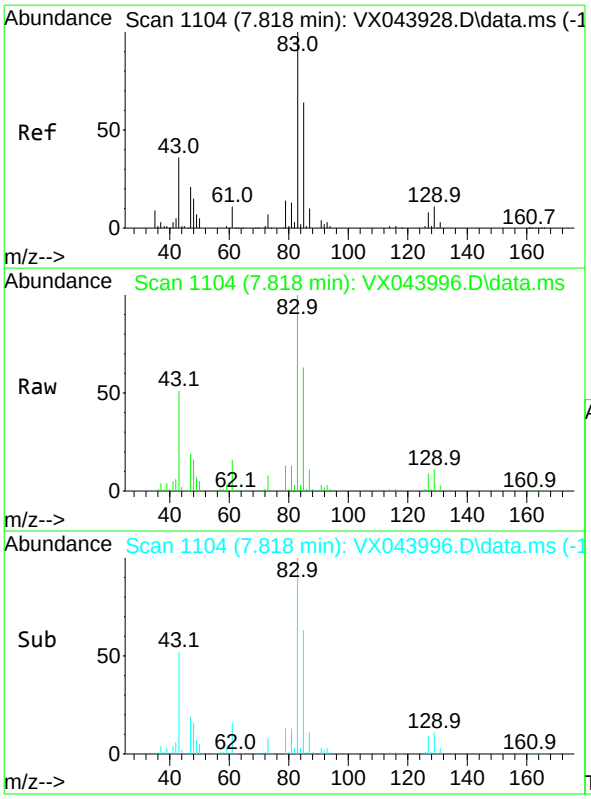


#46
Dibromomethane
Concen: 49.633 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion: 93 Resp: 58847

Ion	Ratio	Lower	Upper
93	100		
95	84.2	66.2	99.4
174	88.8	69.6	104.4





#47
Bromodichloromethane
Concen: 50.111 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

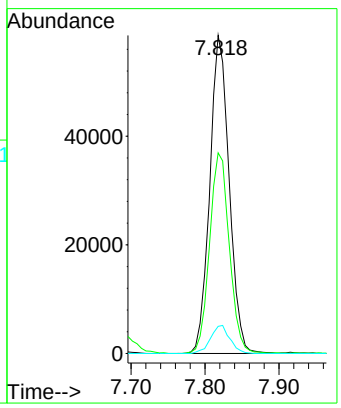
Tgt Ion: 83 Resp: 106558

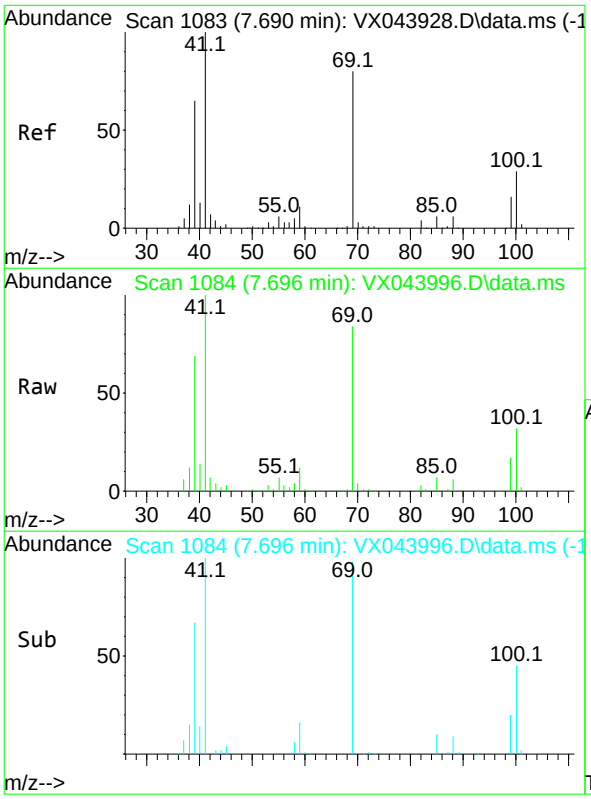
Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.4	77.0
127	8.5	6.6	10.0

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MS

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

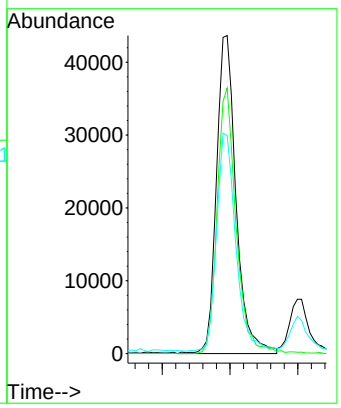


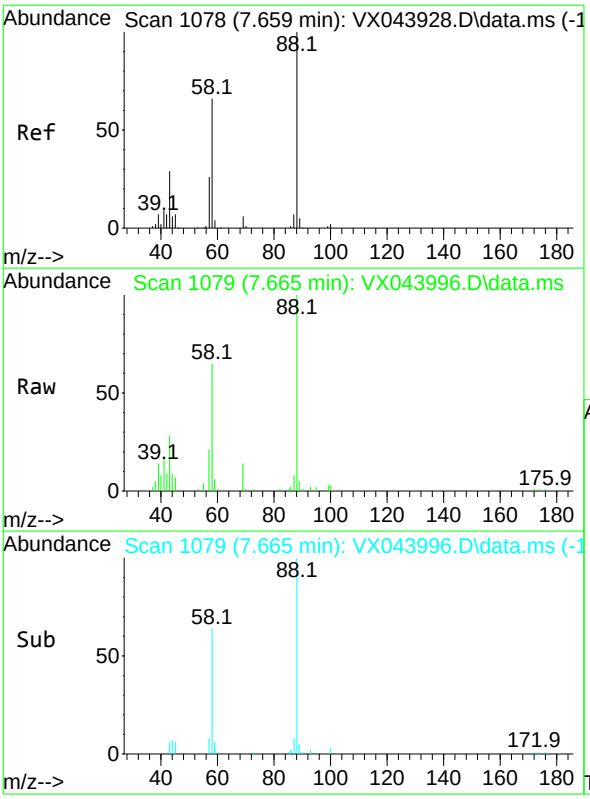


#48
Methyl methacrylate
Concen: 47.063 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion: 41 Resp: 87645

Ion	Ratio	Lower	Upper
41	100		
69	80.6	64.6	97.0
39	67.4	53.3	79.9





#49
1,4-Dioxane
Concen: 734.088 ug/l
RT: 7.665 min Scan# 10
Delta R.T. 0.006 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

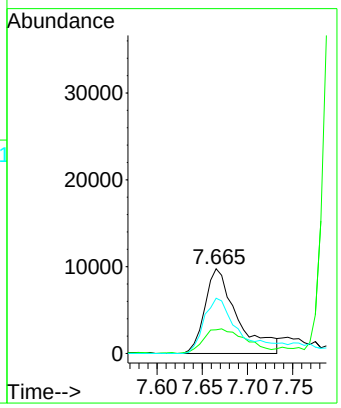
Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MS

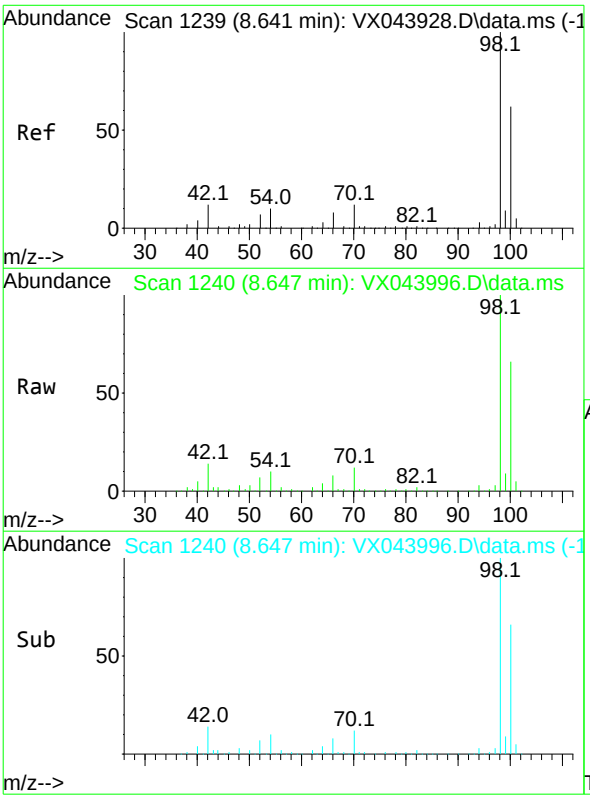
Tgt Ion: 88 Resp: 24352

Ion	Ratio	Lower	Upper
88	100		
43	38.0	26.8	40.2
58	72.4	45.4	68.2#

Manual Integrations
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Supervised By :Semsettin Yesilyurt 11/26/2024

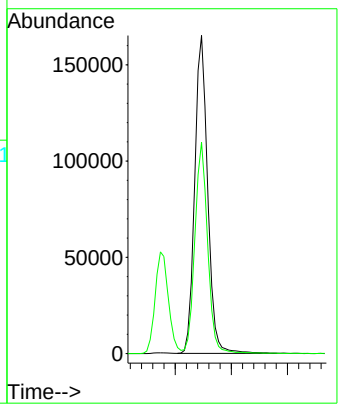


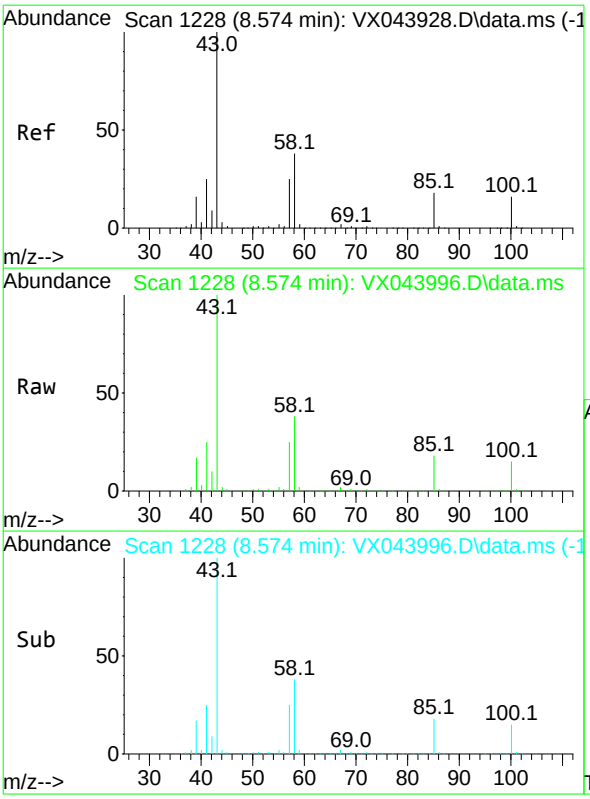


#50
Toluene-d8
Concen: 48.670 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion: 98 Resp: 264505

Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.6	79.0





#51
4-Methyl-2-Pentanone
Concen: 244.777 ug/l
RT: 8.574 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

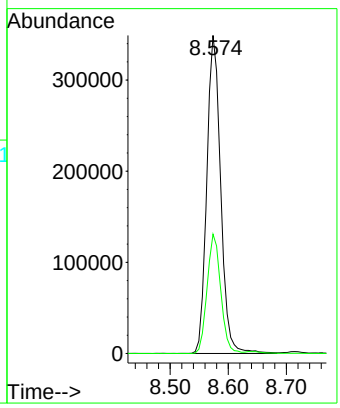
Tgt Ion: 43 Resp: 579738

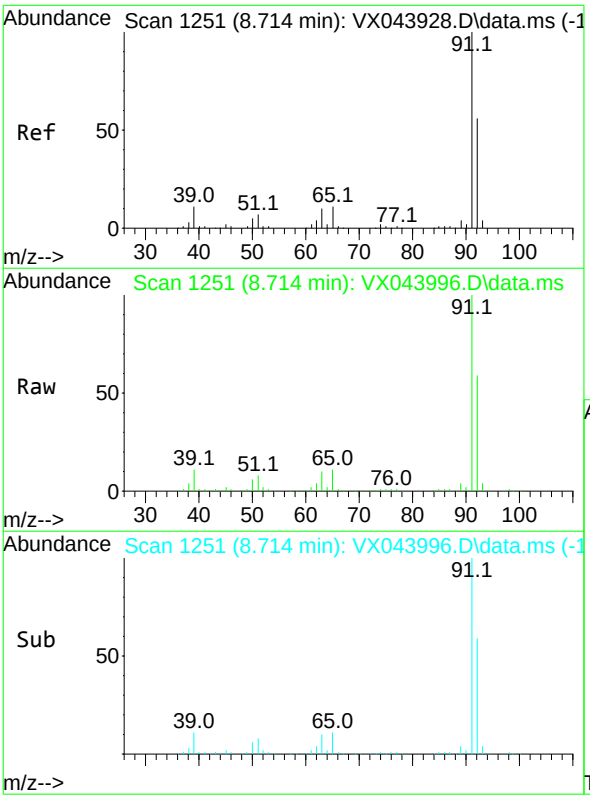
Ion	Ratio	Lower	Upper
43	100		
58	36.8	30.0	45.0

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MS

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

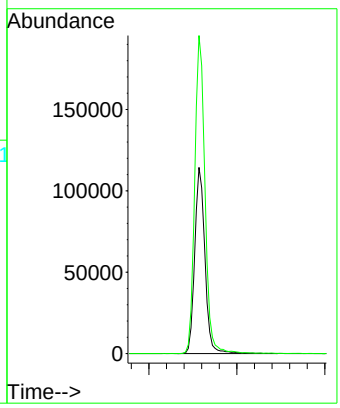


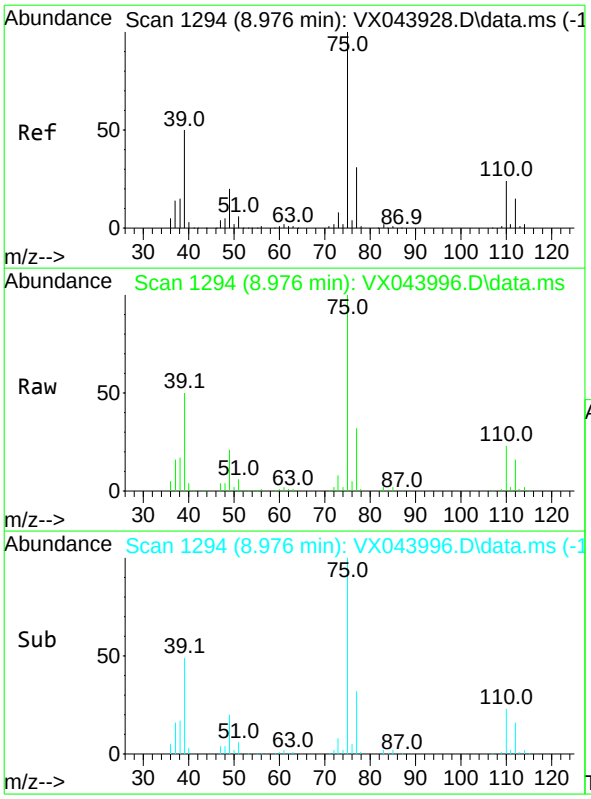


#52
Toluene
Concen: 50.311 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion: 92 Resp: 184277

Ion	Ratio	Lower	Upper
92	100		
91	171.7	139.7	209.5

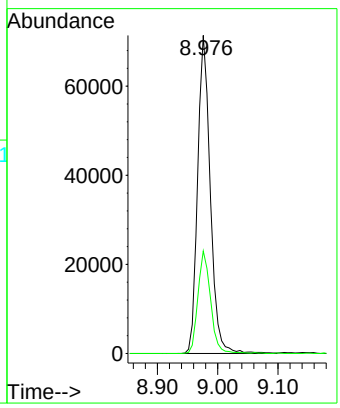




#53
t-1,3-Dichloropropene
Concen: 48.024 ug/l
RT: 8.976 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion: 75 Resp: 104137

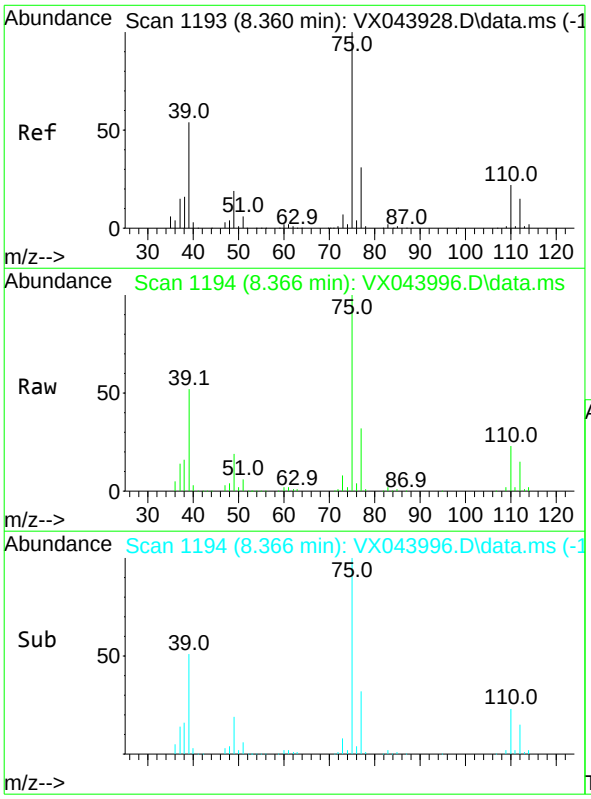
Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MS

Manual Integrations
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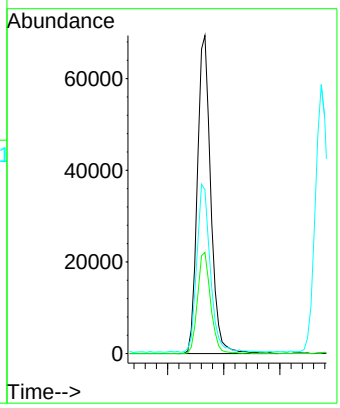
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

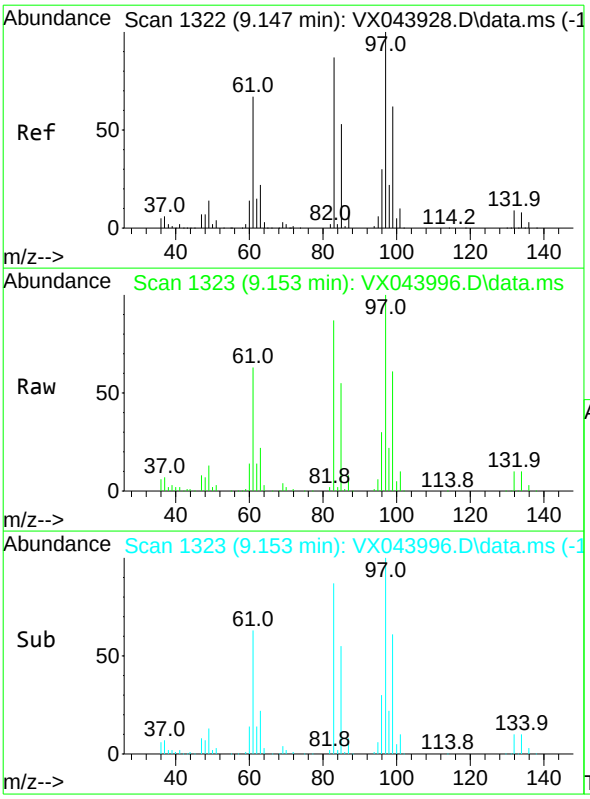


#54
cis-1,3-Dichloropropene
Concen: 48.388 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion: 75 Resp: 115027

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.2	37.8
39	50.8	43.1	64.7

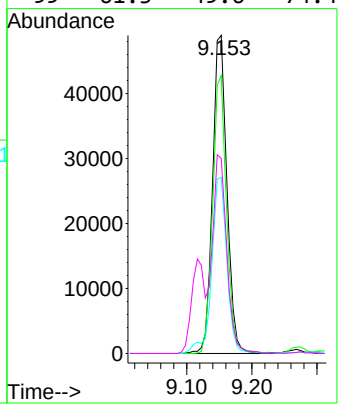




#55
1,1,2-Trichloroethane
Concen: 49.817 ug/l
RT: 9.153 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion: 97 Resp: 75322

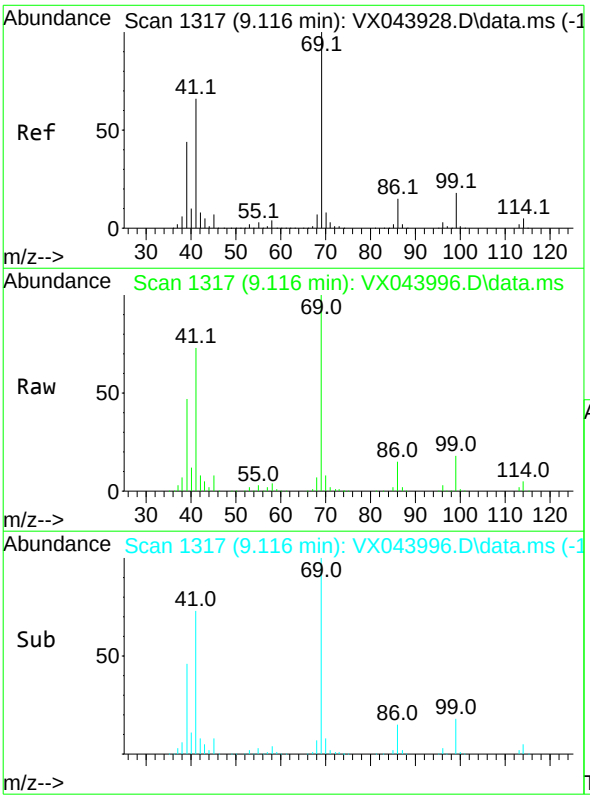
Ion	Ratio	Lower	Upper
97	100		
83	87.4	69.4	104.0
85	55.3	42.3	63.5
99	61.3	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MS

Manual Integrations
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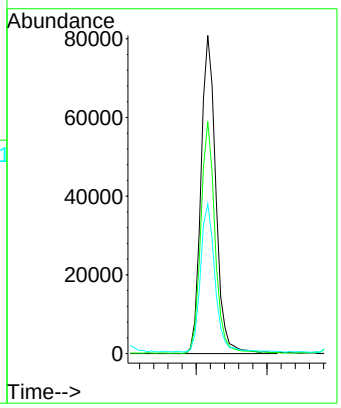
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

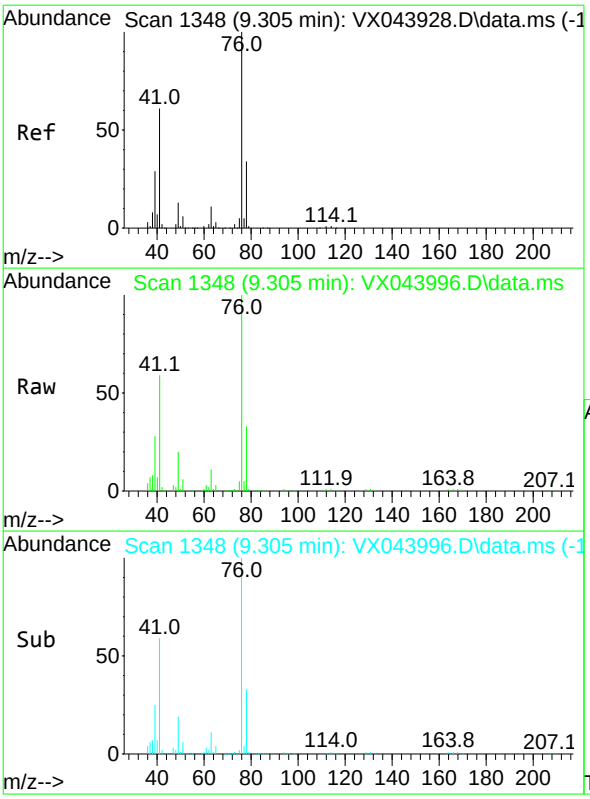


#56
Ethyl methacrylate
Concen: 50.320 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion: 69 Resp: 118506

Ion	Ratio	Lower	Upper
69	100		
41	69.8	55.8	83.8
39	45.2	36.7	55.1





#57
1,3-Dichloropropane
Concen: 50.367 ug/l
RT: 9.305 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

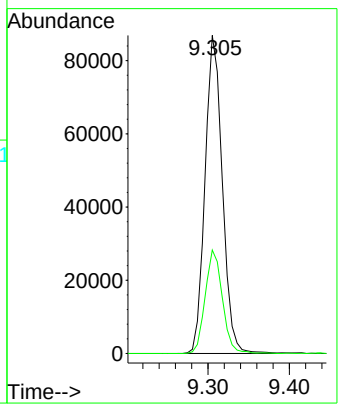
Tgt Ion: 76 Resp: 128285

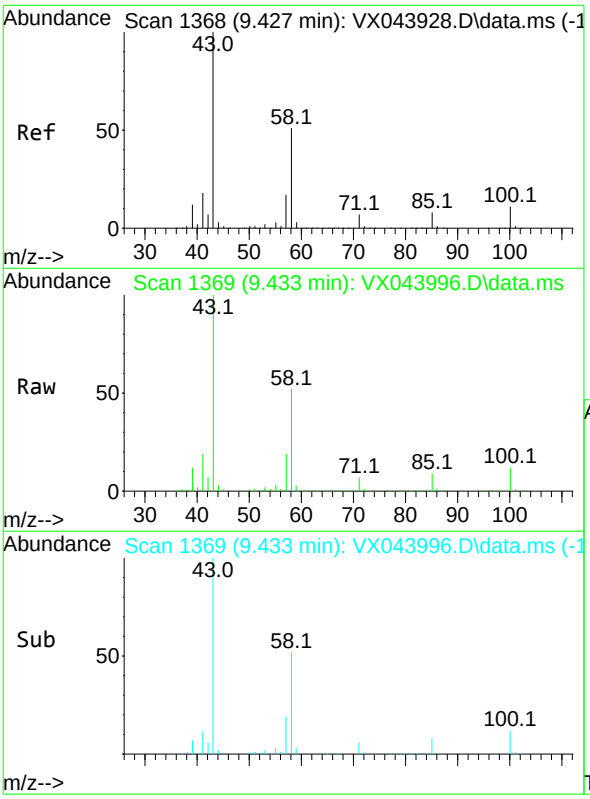
Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.0	39.0

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MS

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/26/2024
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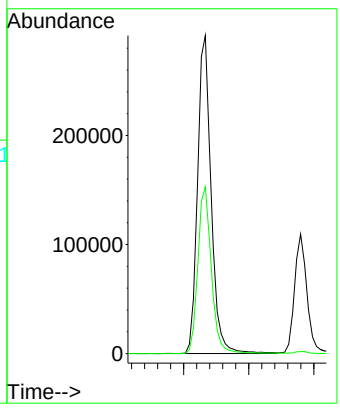


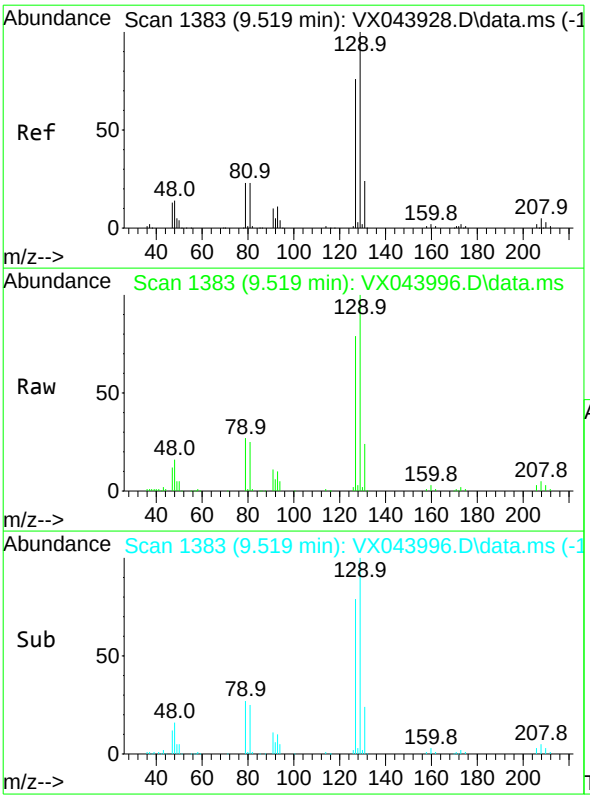


#59
2-Hexanone
Concen: 236.922 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.006 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion: 43 Resp: 421761

Ion	Ratio	Lower	Upper
43	100		
58	52.1	25.9	77.6





#60
Dibromochloromethane
Concen: 49.729 ug/l
RT: 9.519 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

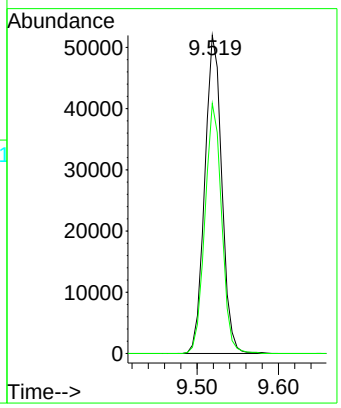
Tgt Ion:129 Resp: 75439

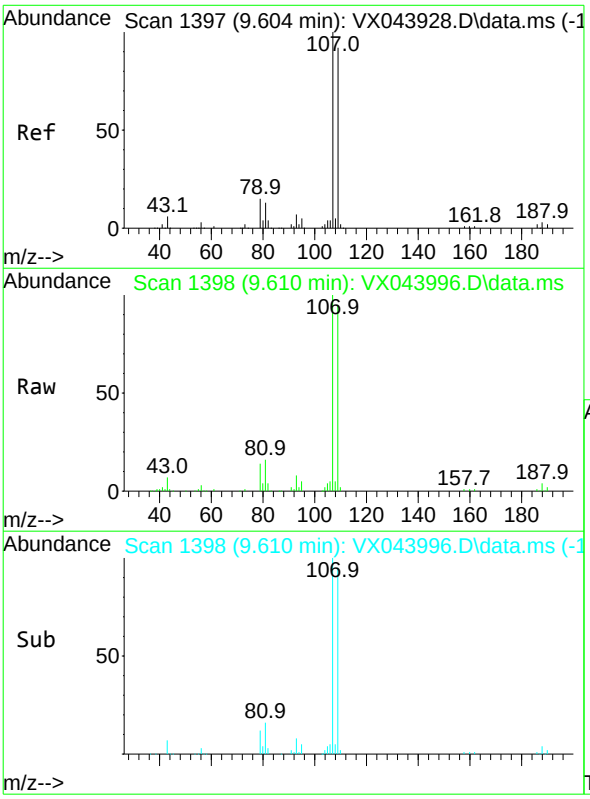
Ion	Ratio	Lower	Upper
129	100		
127	77.3	38.2	114.6

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MS

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

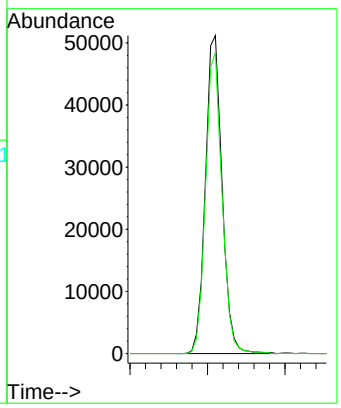


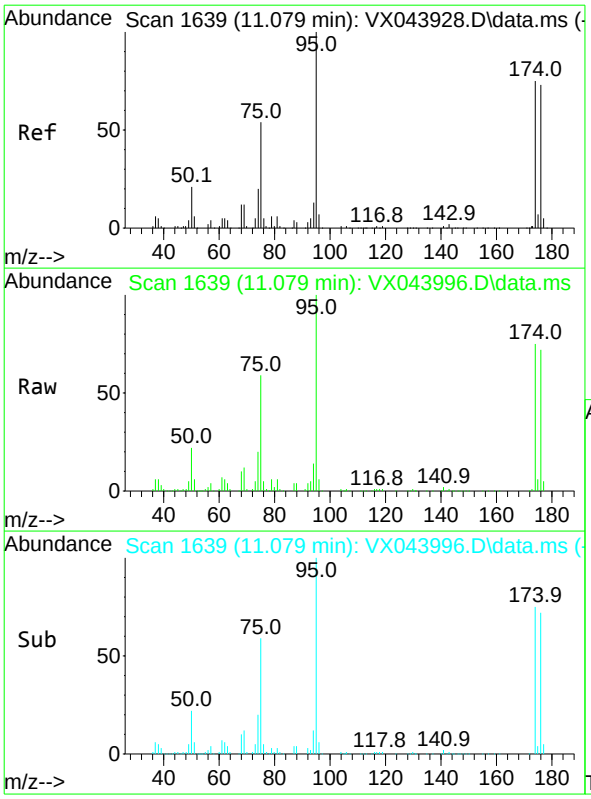


#61
1,2-Dibromoethane
Concen: 50.101 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion:107 Resp: 76596

Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.2	112.8





#62
4-Bromofluorobenzene
Concen: 49.368 ug/l
RT: 11.079 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

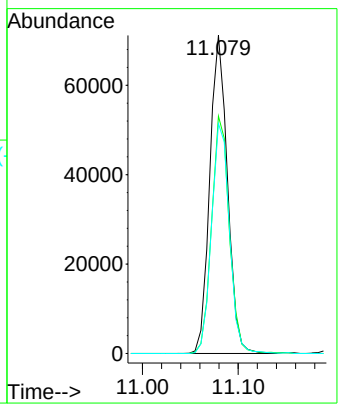
Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MS

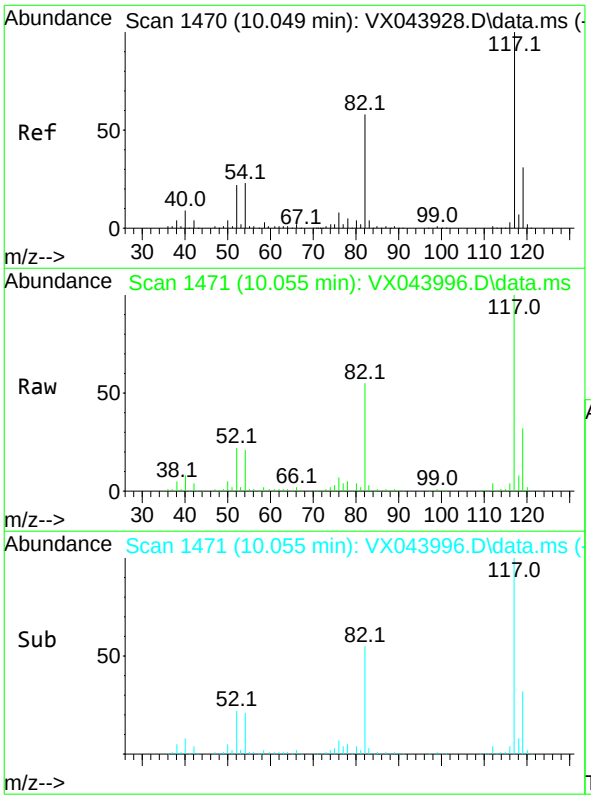
Tgt Ion: 95 Resp: 91308

Ion	Ratio	Lower	Upper
95	100		
174	74.8	0.0	150.4
176	73.2	0.0	146.0

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

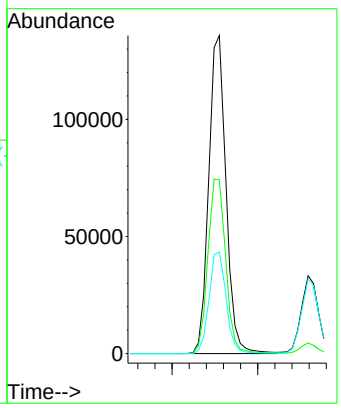


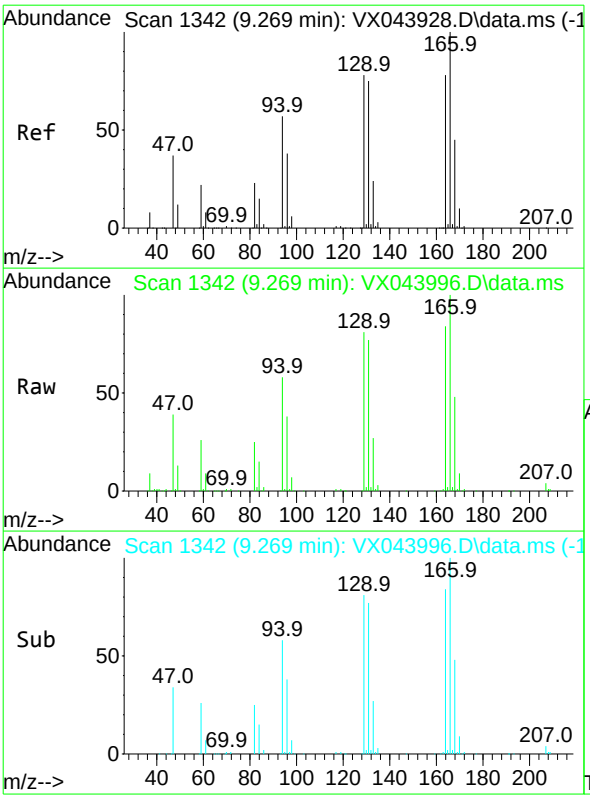


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion:117 Resp: 190029

Ion	Ratio	Lower	Upper
117	100		
82	54.6	46.4	69.6
119	32.0	24.6	37.0

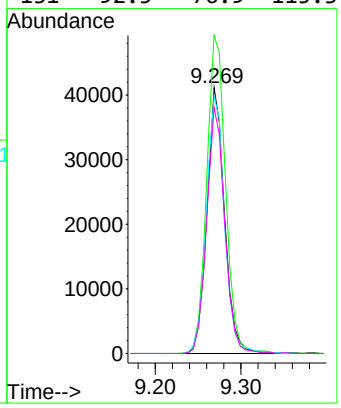




#64
Tetrachloroethene
Concen: 46.982 ug/l
RT: 9.269 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion:164 Resp: 58869

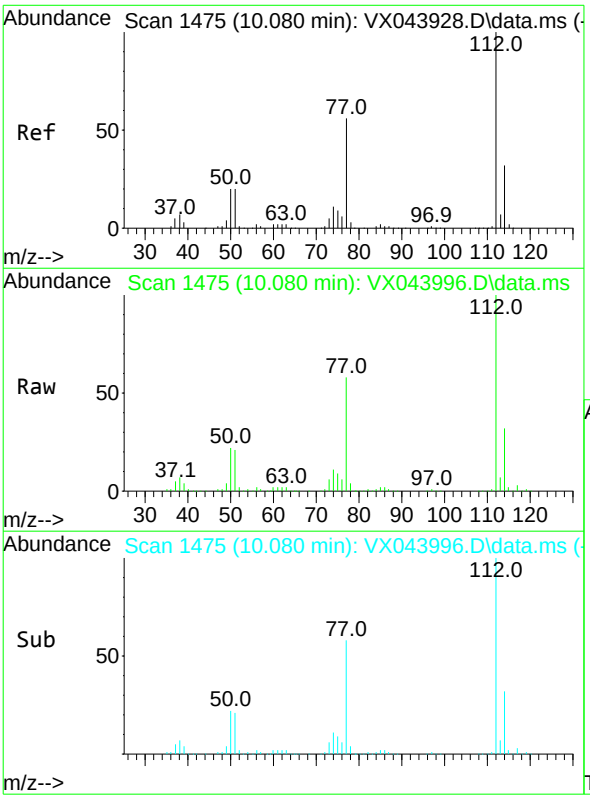
Ion	Ratio	Lower	Upper
164	100		
166	119.7	102.1	153.1
129	96.7	79.6	119.4
131	92.5	76.9	115.3



Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MS

Manual Integrations
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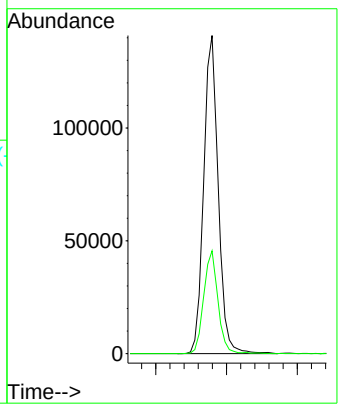
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

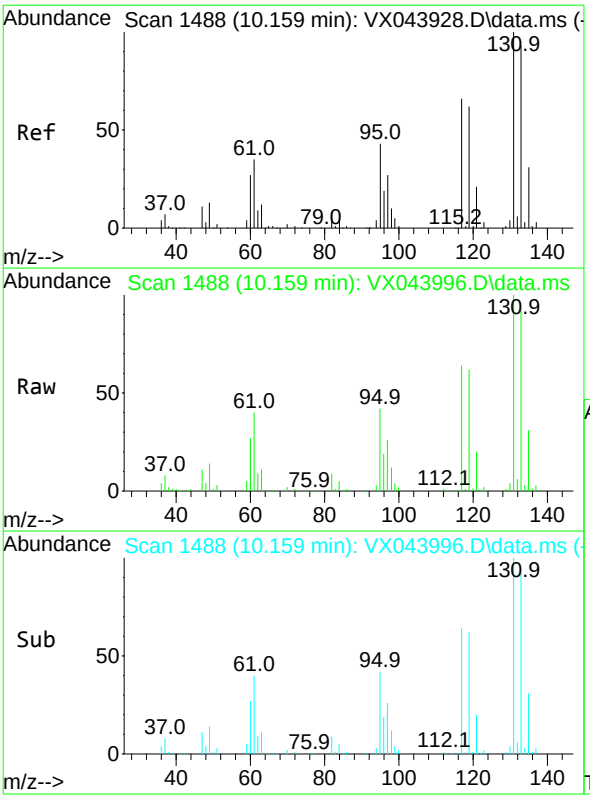


#65
Chlorobenzene
Concen: 48.008 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion:112 Resp: 200366

Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.4	38.0





#66
1,1,1,2-Tetrachloroethane
Concen: 51.562 ug/l
RT: 10.159 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

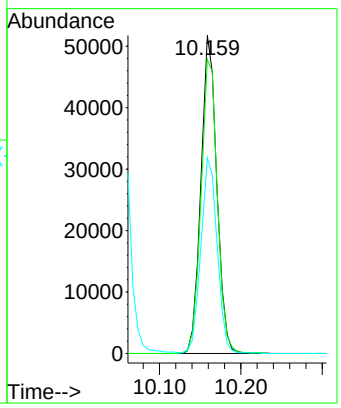
Tgt Ion:131 Resp: 69791

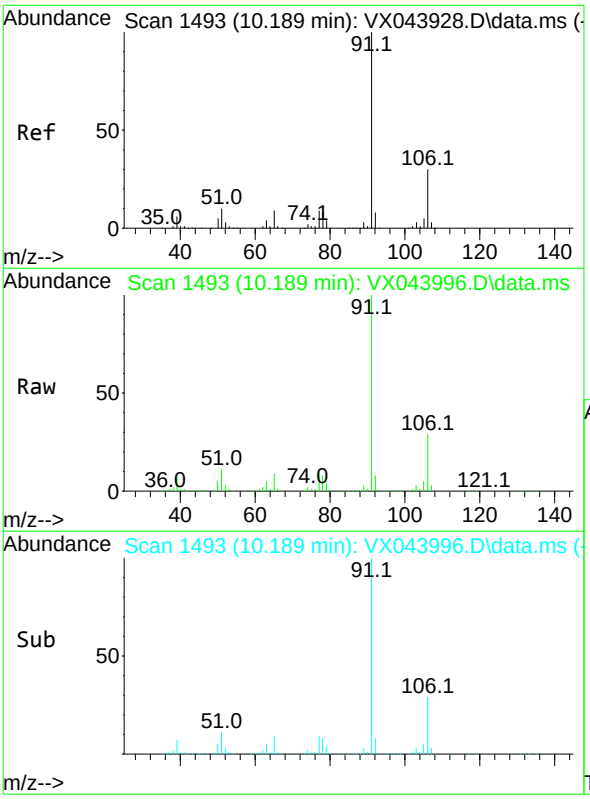
Ion	Ratio	Lower	Upper
131	100		
133	95.3	48.2	144.6
119	63.4	31.5	94.5

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MS

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

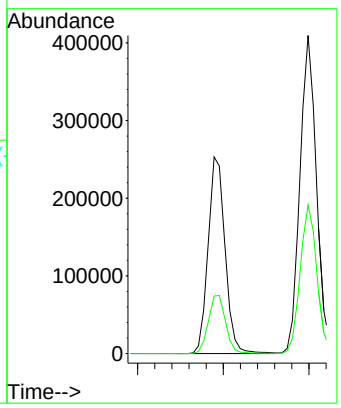


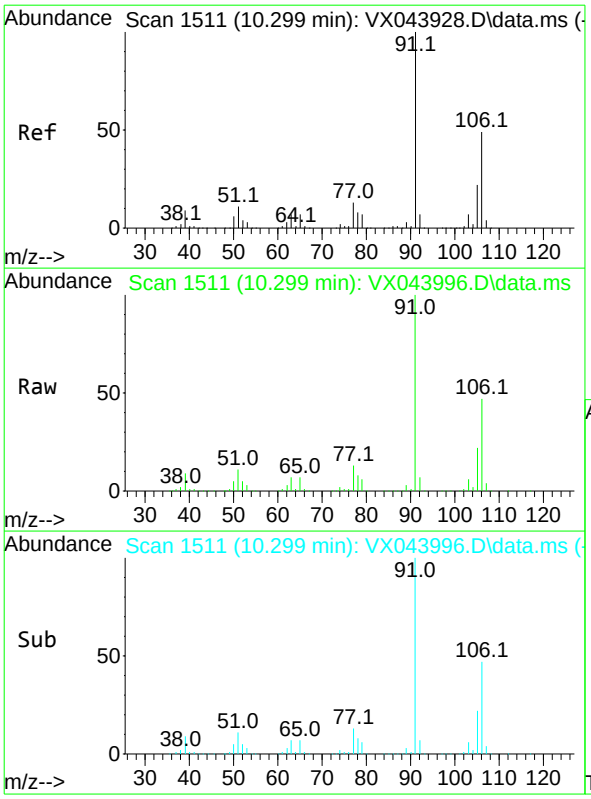


#67
Ethyl Benzene
Concen: 49.313 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. -0.000 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion: 91 Resp: 348750

Ion	Ratio	Lower	Upper
91	100		
106	29.2	23.6	35.4





#68
m/p-Xylenes
Concen: 98.905 ug/l
RT: 10.299 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

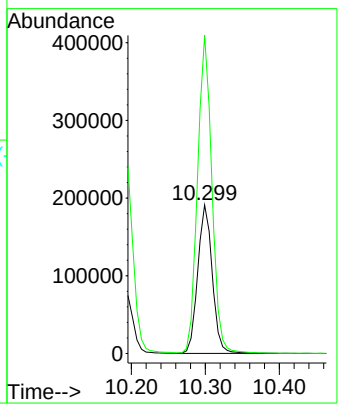
Tgt Ion:106 Resp: 260848

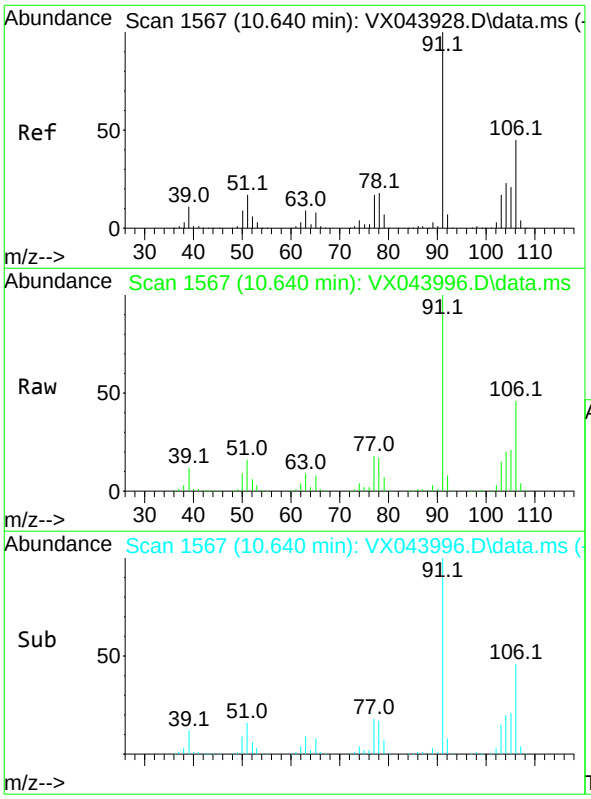
Ion	Ratio	Lower	Upper
106	100		
91	211.7	168.1	252.1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MS

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

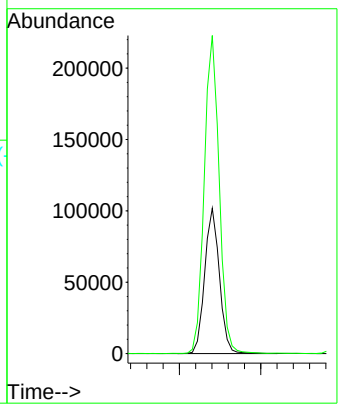


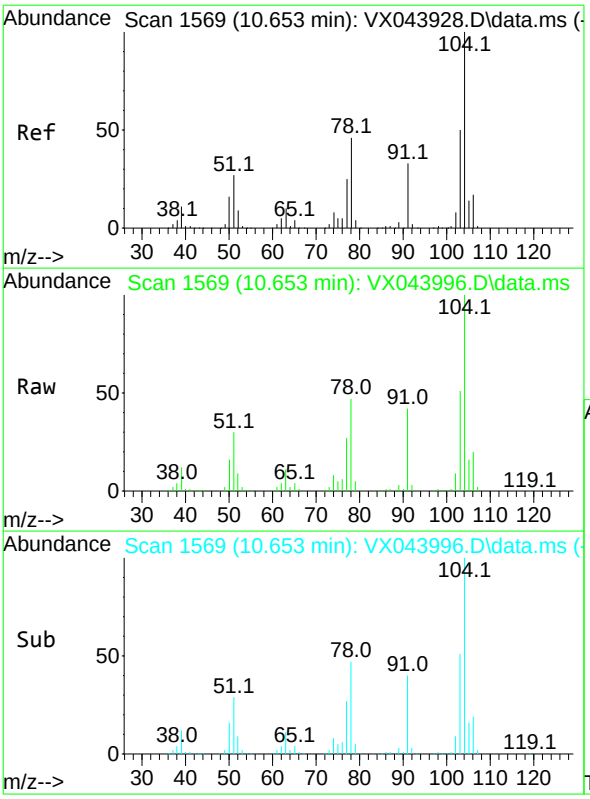


#69
o-Xylene
Concen: 49.701 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion:106 Resp: 127980

Ion	Ratio	Lower	Upper
106	100		
91	221.5	110.2	330.6

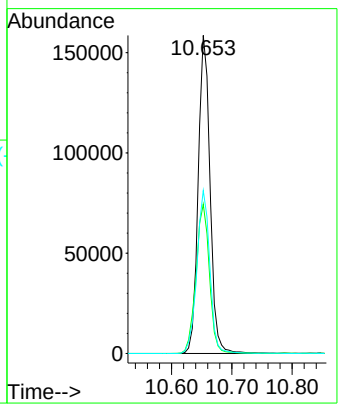




#70
Styrene
Concen: 50.874 ug/l
RT: 10.653 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion:104 Resp: 216669

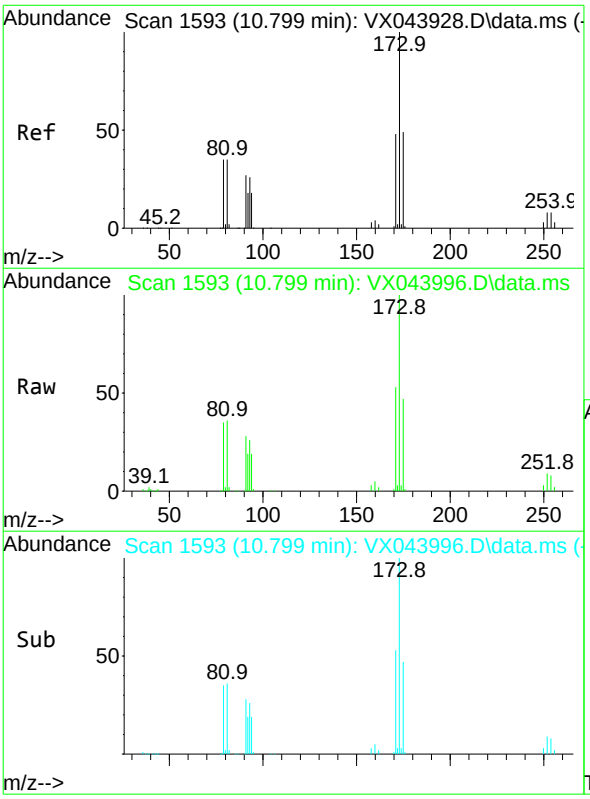
Ion	Ratio	Lower	Upper
104	100		
78	53.2	42.2	63.2
103	55.9	44.7	67.1



Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MS

Manual Integrations
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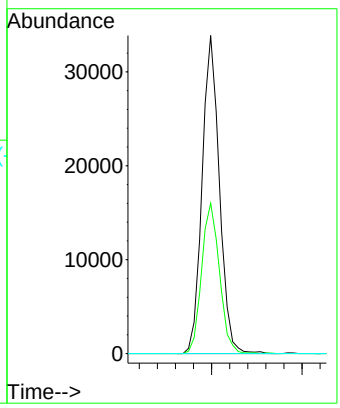
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

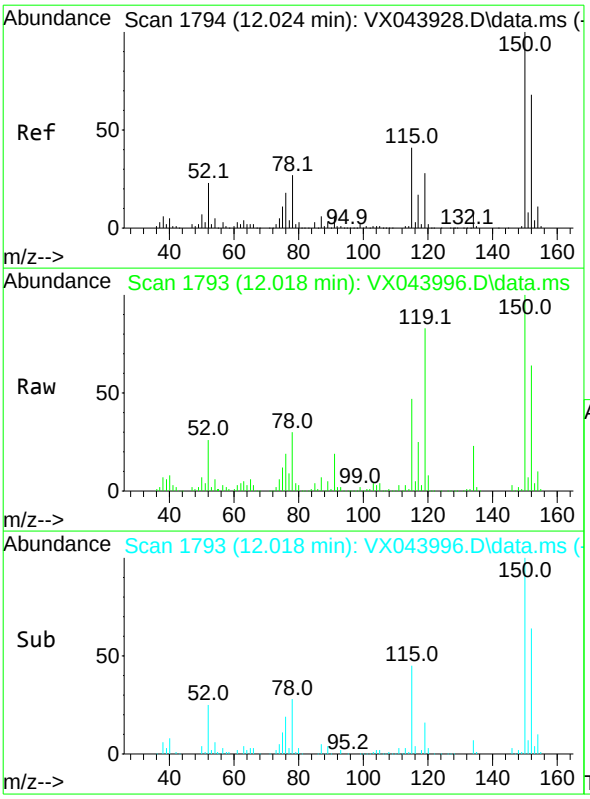


#71
Bromoform
Concen: 44.141 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion:173 Resp: 44958

Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.1	72.2
254	0.0	0.0	0.0

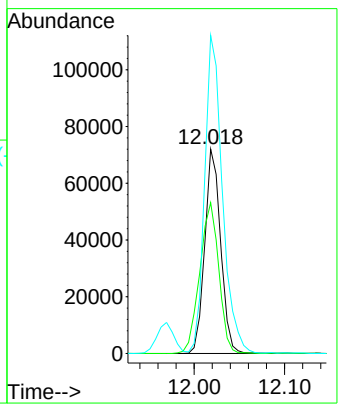




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 17
Delta R.T. -0.006 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion:152 Resp: 88073

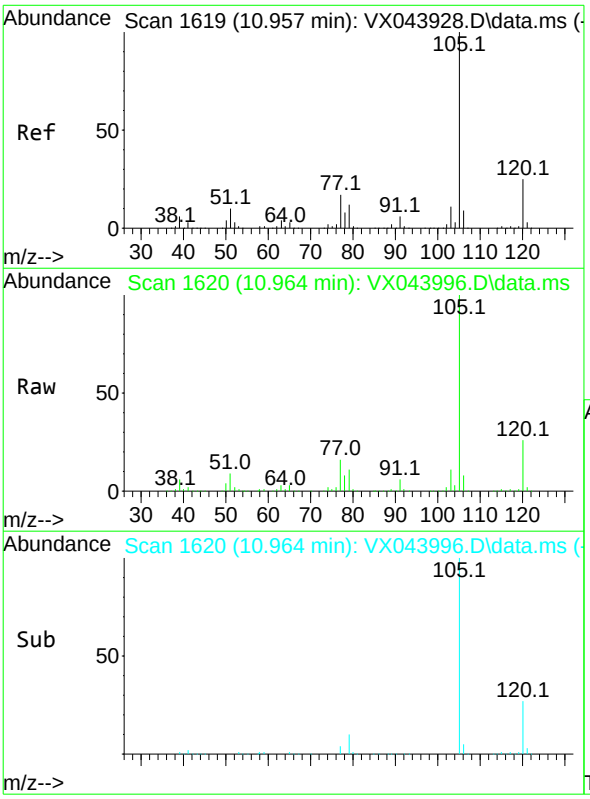
Ion	Ratio	Lower	Upper
152	100		
115	88.2	45.4	136.2
150	173.2	0.0	353.0



Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MS

Manual Integrations
APPROVED

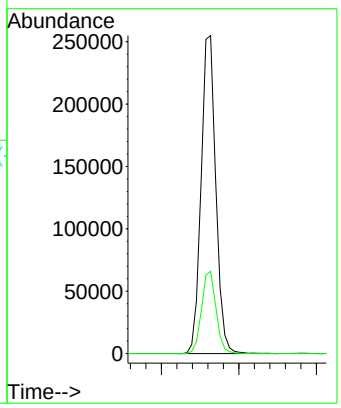
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

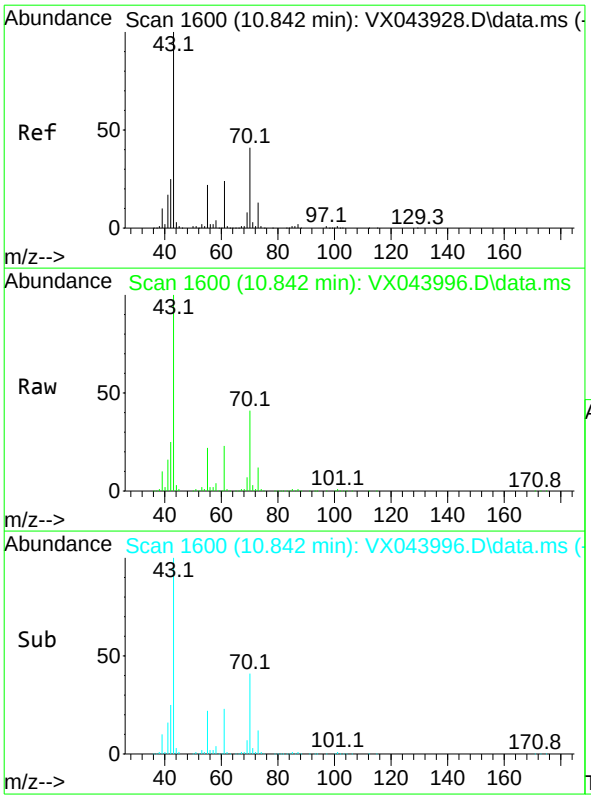


#73
Isopropylbenzene
Concen: 49.694 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion:105 Resp: 336432

Ion	Ratio	Lower	Upper
105	100		
120	25.5	13.0	38.9





#74
N-amyl acetate
Concen: 47.686 ug/l
RT: 10.842 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

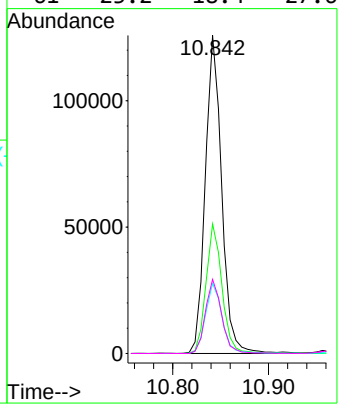
Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MS

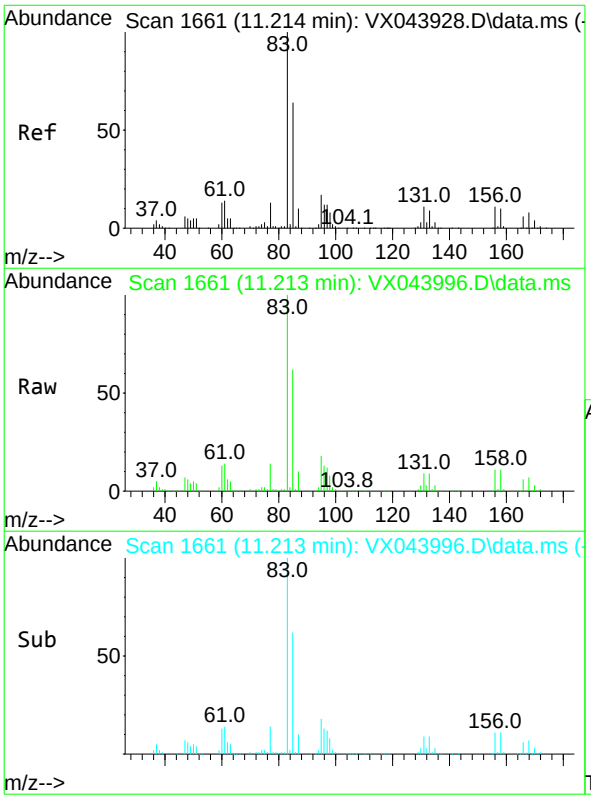
Tgt Ion: 43 Resp: 149557

Ion	Ratio	Lower	Upper
43	100		
70	40.1	32.2	48.2
55	22.6	18.1	27.1
61	23.2	18.4	27.6

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

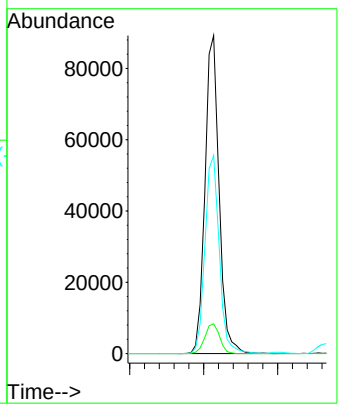


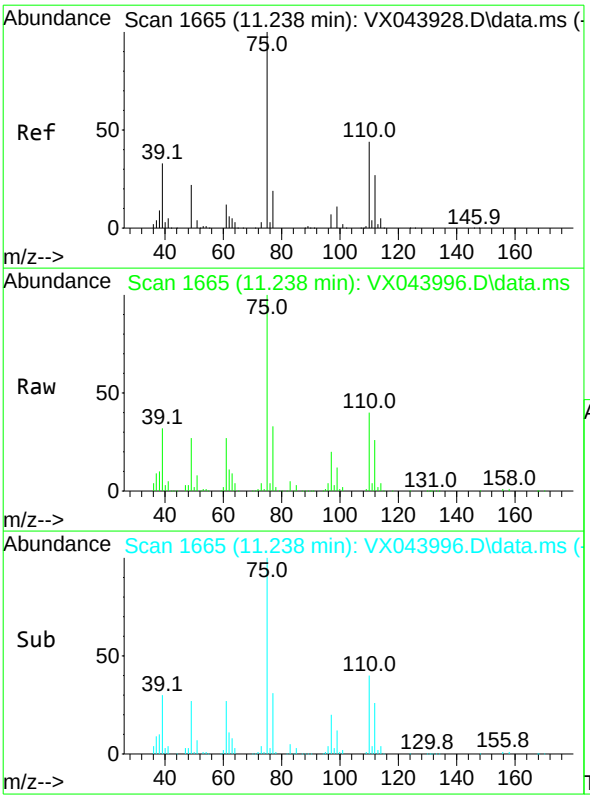


#75
1,1,2,2-Tetrachloroethane
Concen: 50.785 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. -0.000 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion: 83 Resp: 117727

Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.1	15.2
85	63.3	32.2	96.6





#76
1,2,3-Trichloropropane
Concen: 48.051 ug/l m
RT: 11.238 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

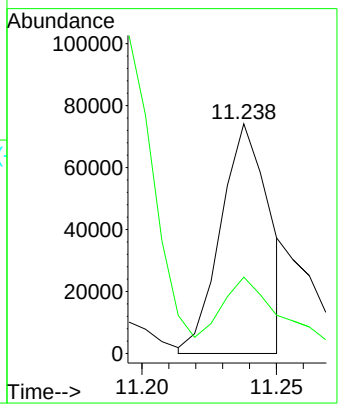
Tgt Ion: 75 Resp: 92808

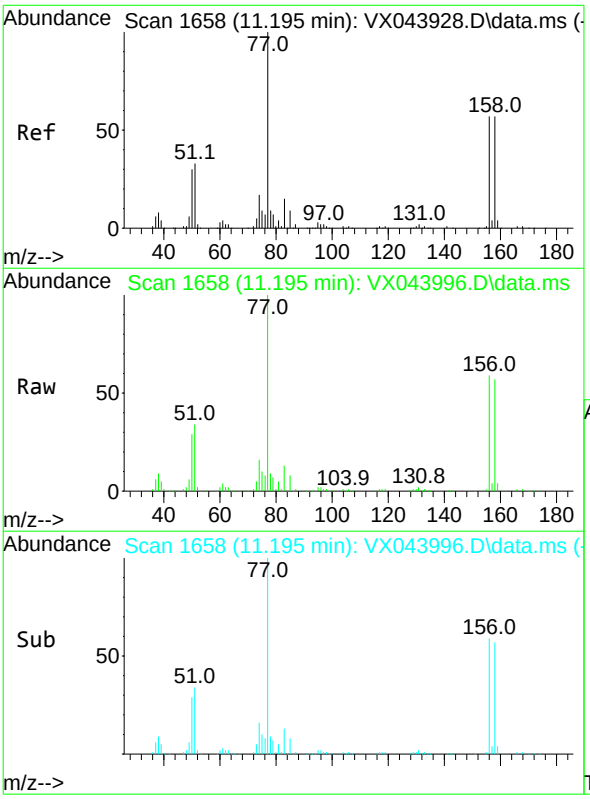
Ion	Ratio	Lower	Upper
75	100		
77	43.1	21.8	65.3

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MS

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

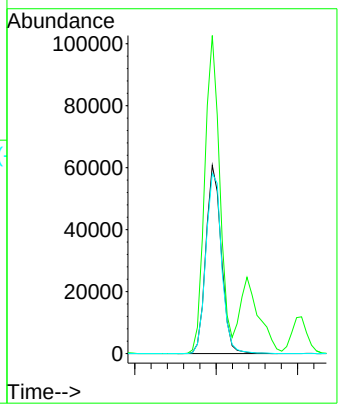


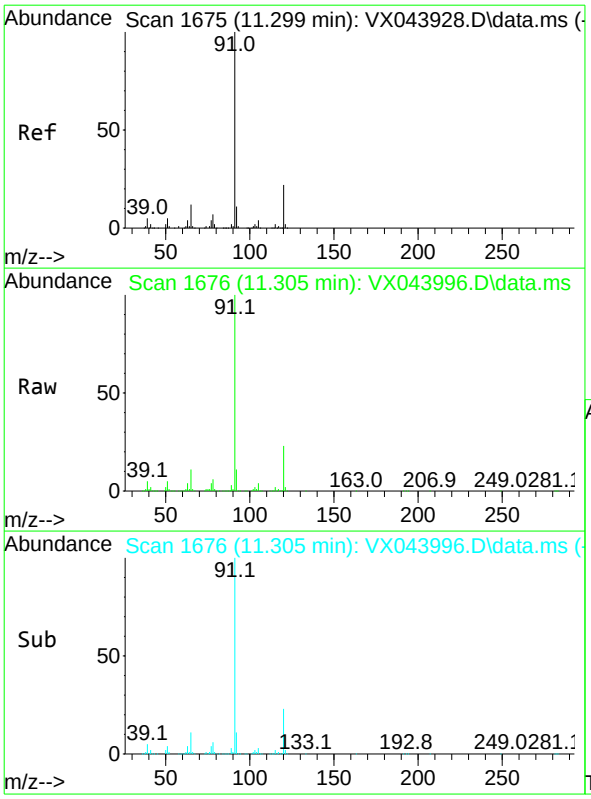


#77
Bromobenzene
Concen: 49.303 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion:156 Resp: 79624

Ion	Ratio	Lower	Upper
156	100		
77	165.7	83.4	250.1
158	98.5	47.6	142.8





#78
n-propylbenzene
Concen: 49.586 ug/l
RT: 11.305 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

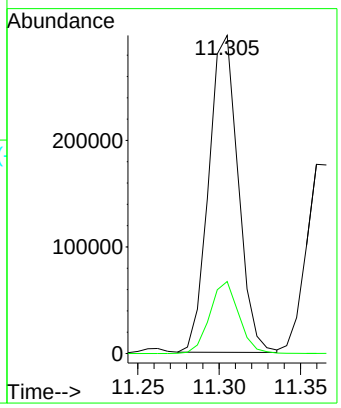
Tgt Ion: 91 Resp: 374930

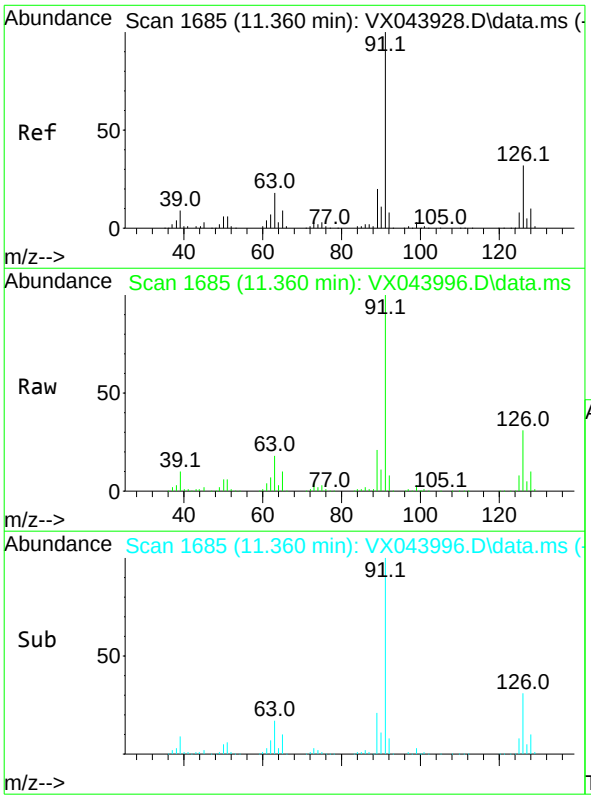
Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.5	34.4

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MS

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

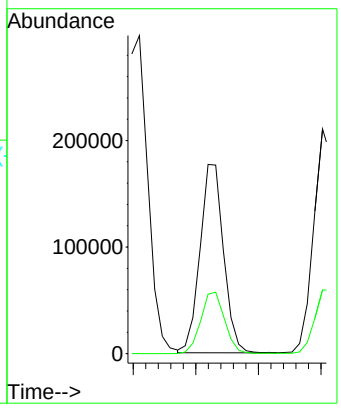


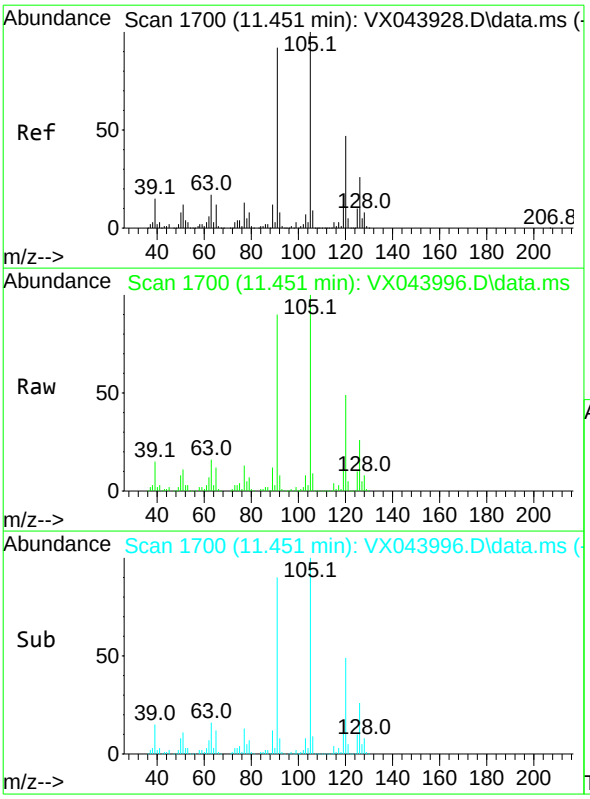


#79
2-Chlorotoluene
Concen: 48.505 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion: 91 Resp: 231915

Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.6	49.8





#80
1,3,5-Trimethylbenzene
Concen: 49.765 ug/l
RT: 11.451 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

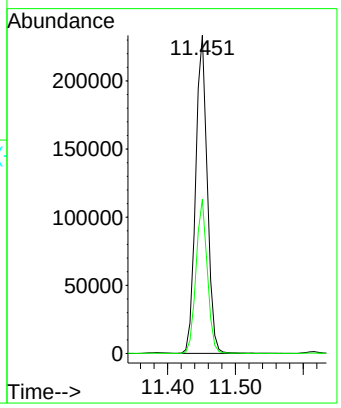
Tgt Ion:105 Resp: 277179

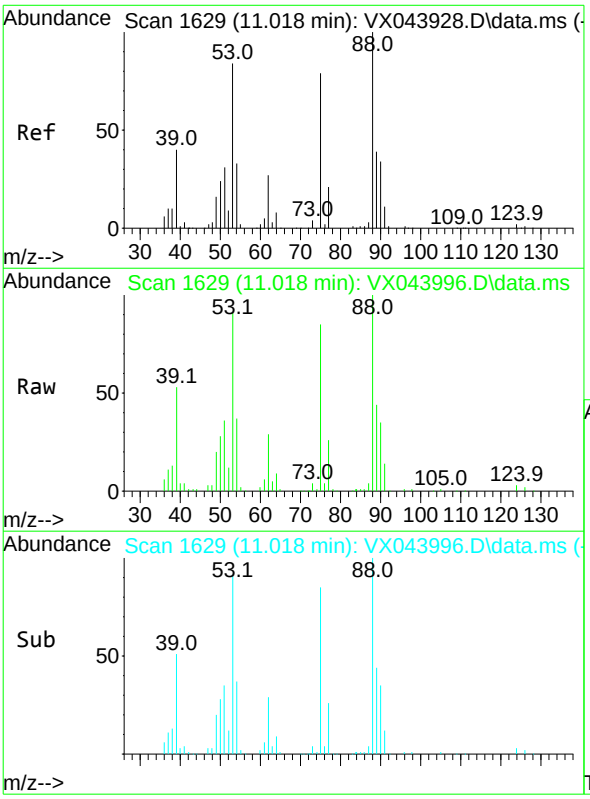
Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.3	69.8

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MS

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

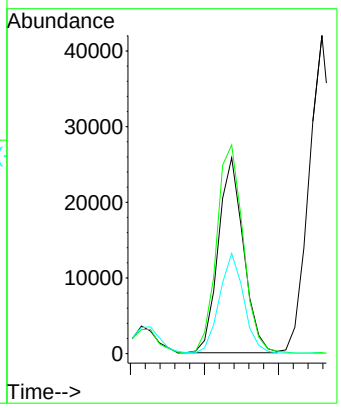


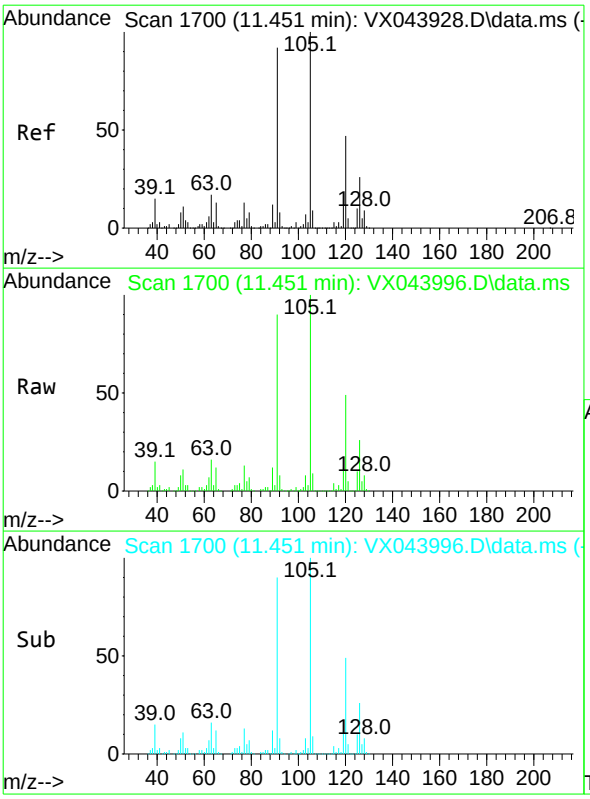


#81
trans-1,4-Dichloro-2-butene
Concen: 43.184 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion: 75 Resp: 30566

Ion	Ratio	Lower	Upper
75	100		
53	112.5	86.7	130.1
89	49.9	38.2	57.2





#82
4-Chlorotoluene
Concen: 49.230 ug/l
RT: 11.451 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

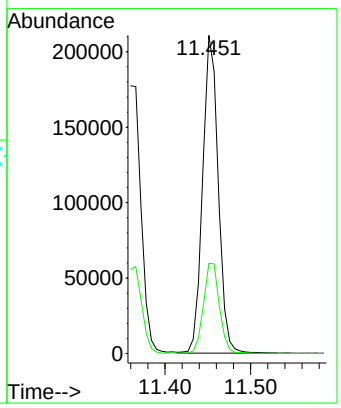
Tgt Ion: 91 Resp: 265741

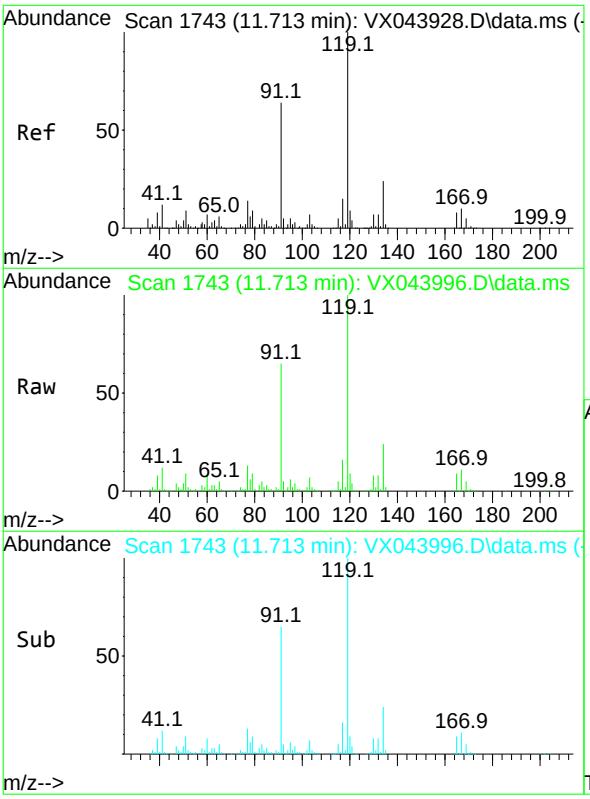
Ion	Ratio	Lower	Upper
91	100		
126	29.0	14.3	42.9

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MS

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

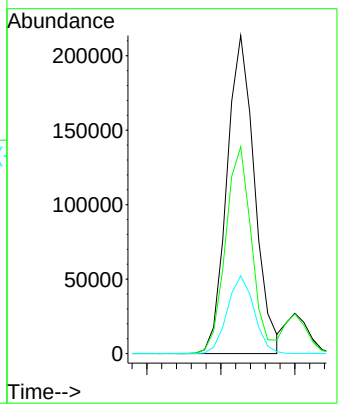


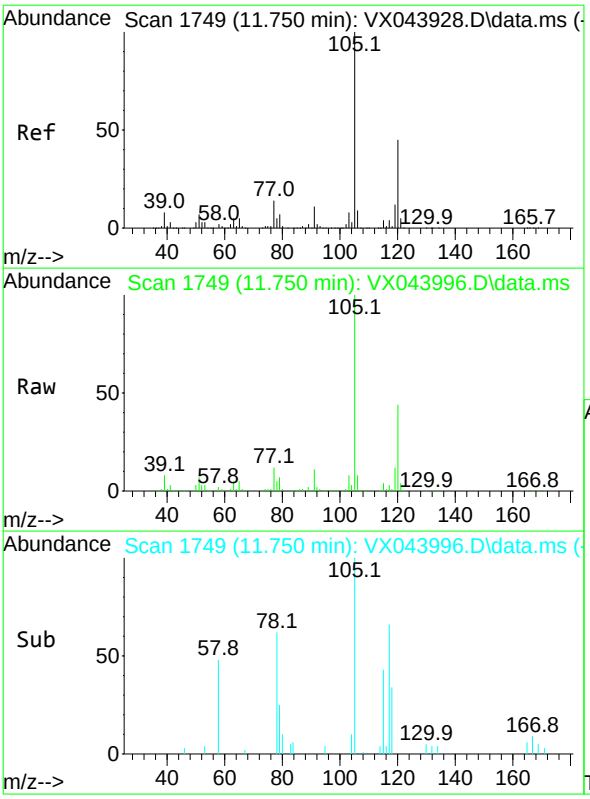


#83
tert-Butylbenzene
Concen: 50.147 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion:119 Resp: 276846

Ion	Ratio	Lower	Upper
119	100		
91	62.0	31.0	93.0
134	23.7	11.6	34.8

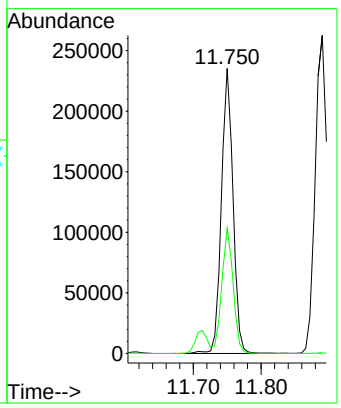




#84
1,2,4-Trimethylbenzene
Concen: 50.553 ug/l
RT: 11.750 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion:105 Resp: 280332

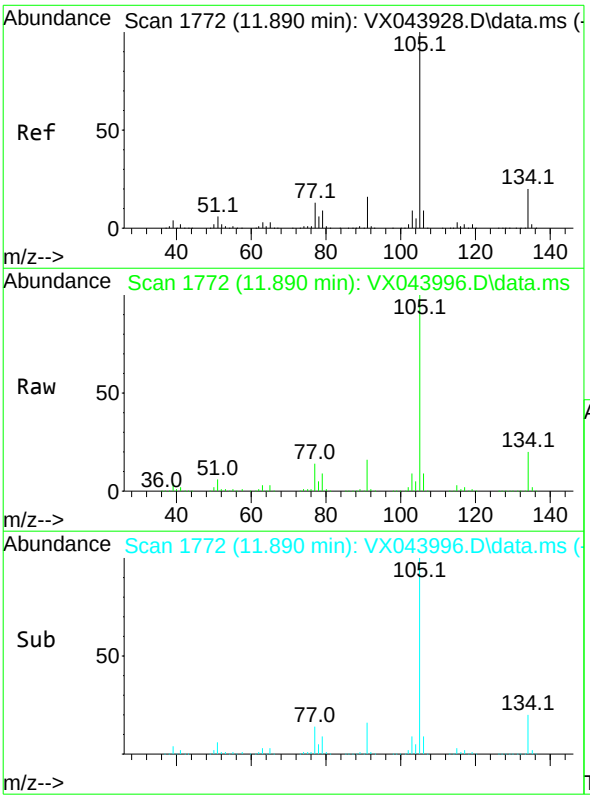
Ion	Ratio	Lower	Upper
105	100		
120	43.0	21.9	65.7



Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MS

Manual Integrations
APPROVED

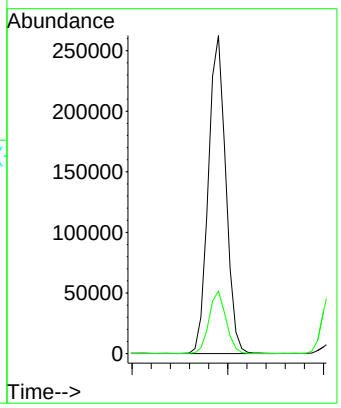
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

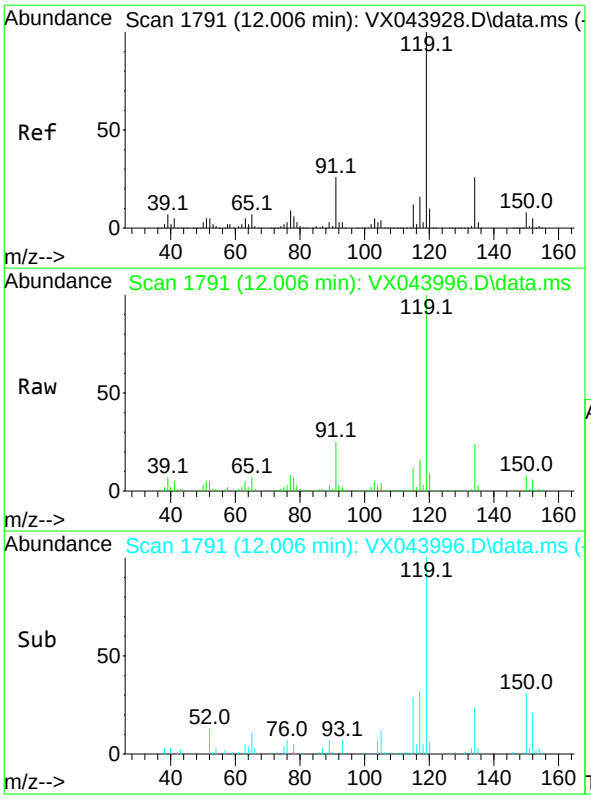


#85
sec-Butylbenzene
Concen: 49.174 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion:105 Resp: 332616

Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.7	29.1





#86
p-Isopropyltoluene
Concen: 51.070 ug/l
RT: 12.006 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

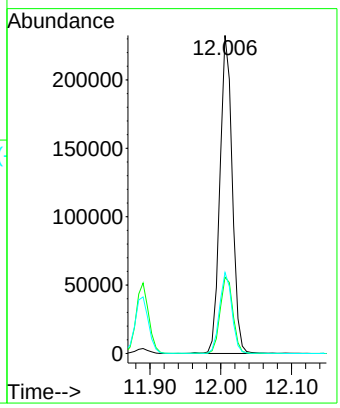
Tgt Ion:119 Resp: 280594

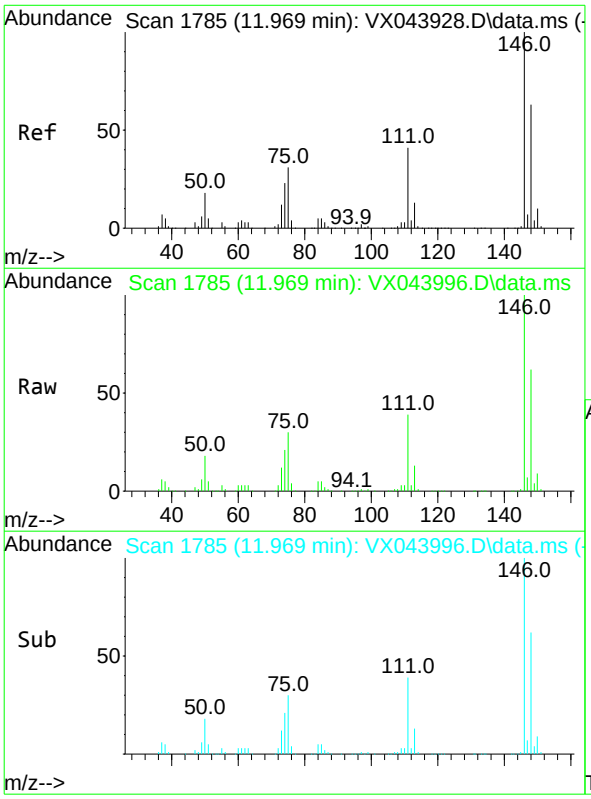
Ion	Ratio	Lower	Upper
119	100		
134	25.1	13.0	38.9
91	25.3	13.0	38.9

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MS

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

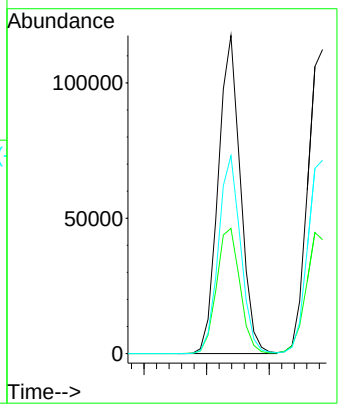


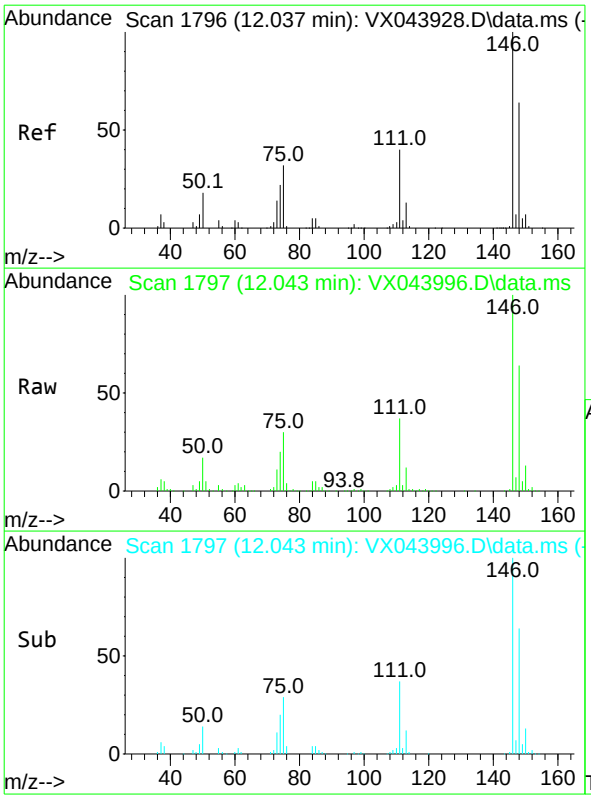


#87
1,3-Dichlorobenzene
Concen: 49.211 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion:146 Resp: 144751

Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.1	63.3
148	62.3	31.7	95.1

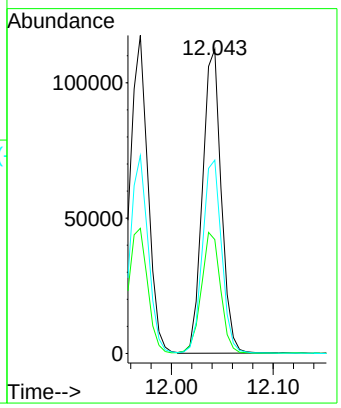




#88
1,4-Dichlorobenzene
Concen: 47.886 ug/l
RT: 12.043 min Scan# 17
Delta R.T. 0.006 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion:146 Resp: 143604

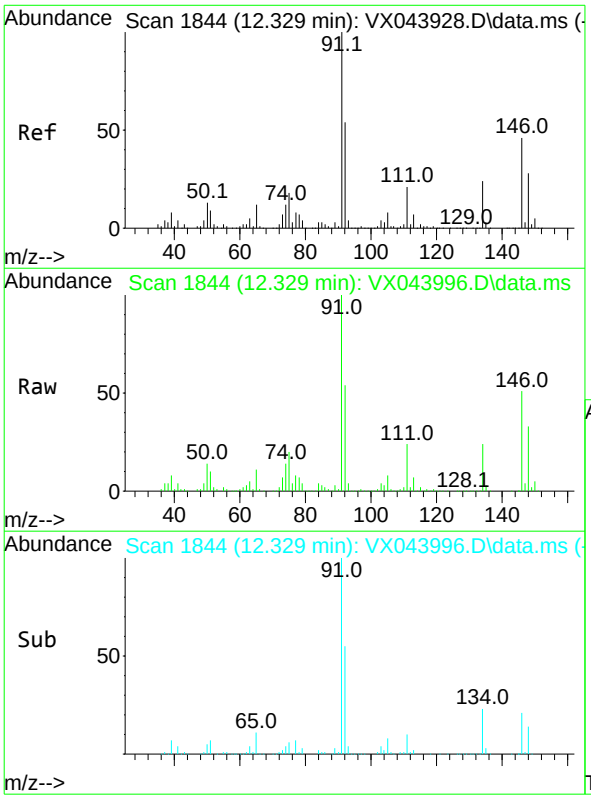
Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.1	60.3
148	65.5	30.9	92.8



Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MS

Manual Integrations
APPROVED

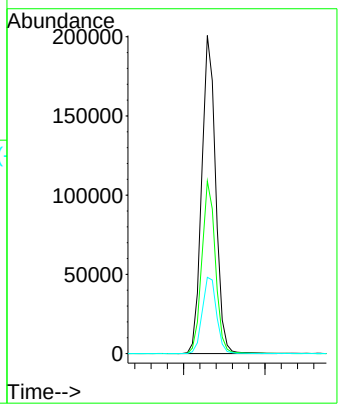
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

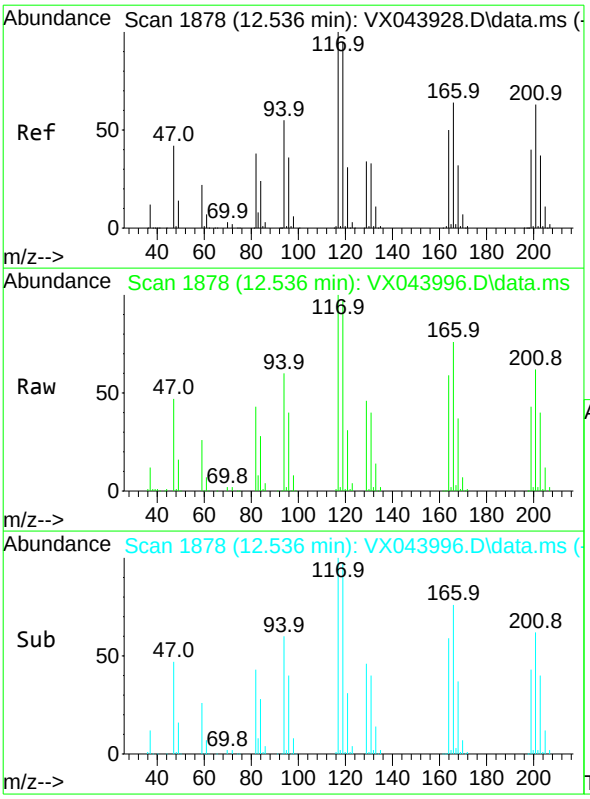


#89
n-Butylbenzene
Concen: 49.203 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.000 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion: 91 Resp: 238346

Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.6	79.8
134	24.7	12.4	37.2

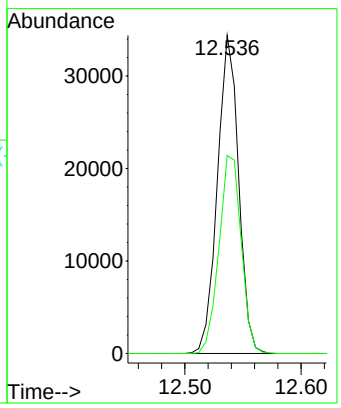




#90
Hexachloroethane
Concen: 46.622 ug/l
RT: 12.536 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion:117 Resp: 43558

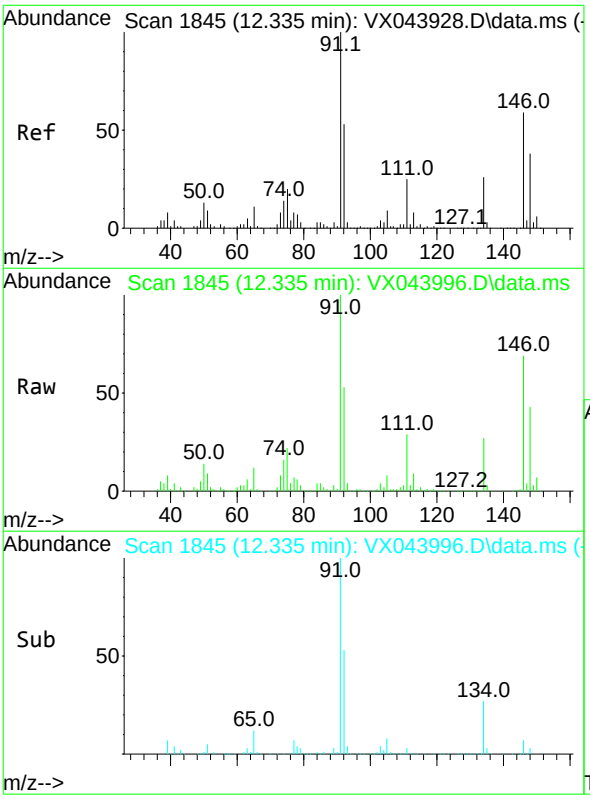
Ion	Ratio	Lower	Upper
117	100		
201	65.4	32.4	97.0



Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MS

Manual Integrations
APPROVED

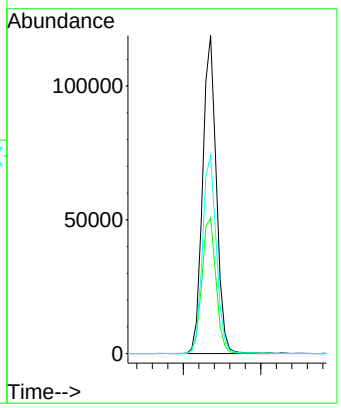
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

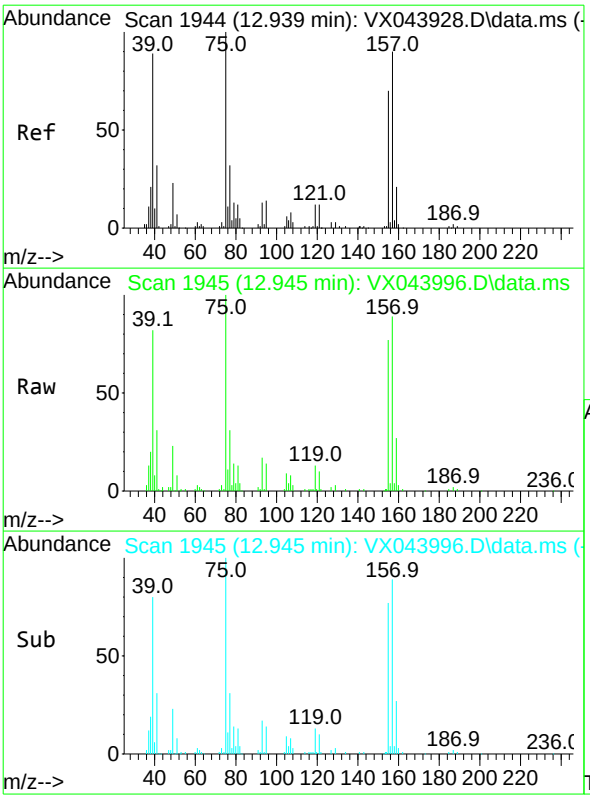


#91
1,2-Dichlorobenzene
Concen: 49.291 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion:146 Resp: 146316

Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.5	64.5
148	63.2	31.9	95.5





#92
1,2-Dibromo-3-Chloropropane
Concen: 48.356 ug/l
RT: 12.945 min Scan# 19
Delta R.T. 0.006 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

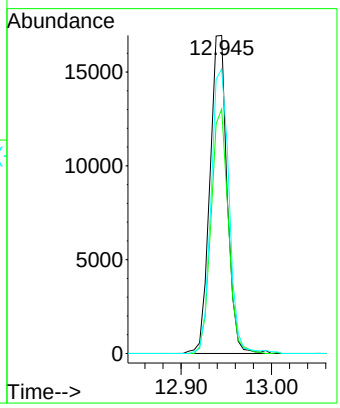
Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MS

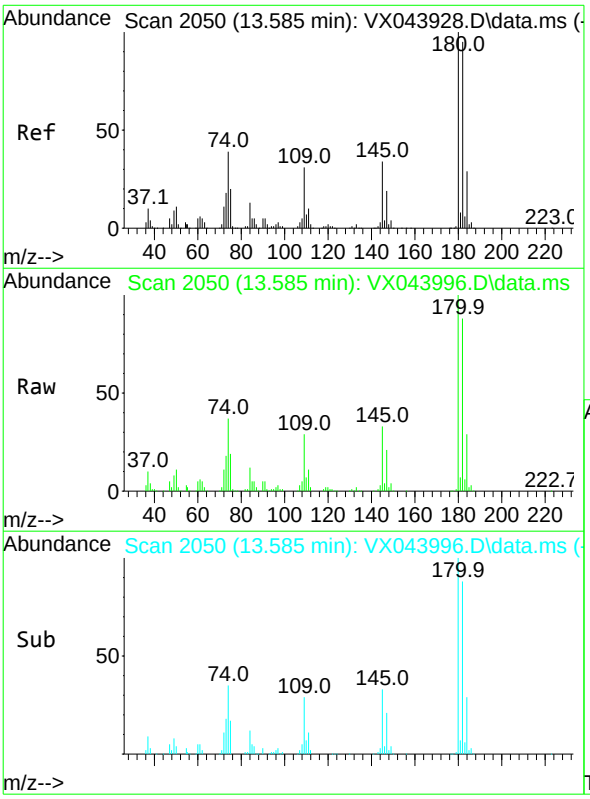
Tgt Ion: 75 Resp: 22461

Ion	Ratio	Lower	Upper
75	100		
155	76.7	40.1	120.2
157	93.4	49.6	149.0

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

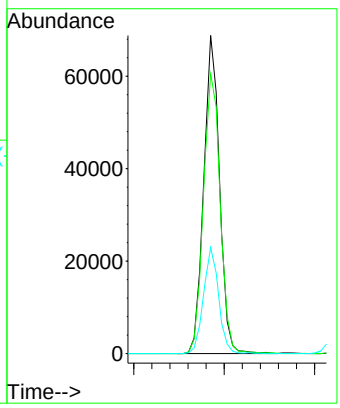


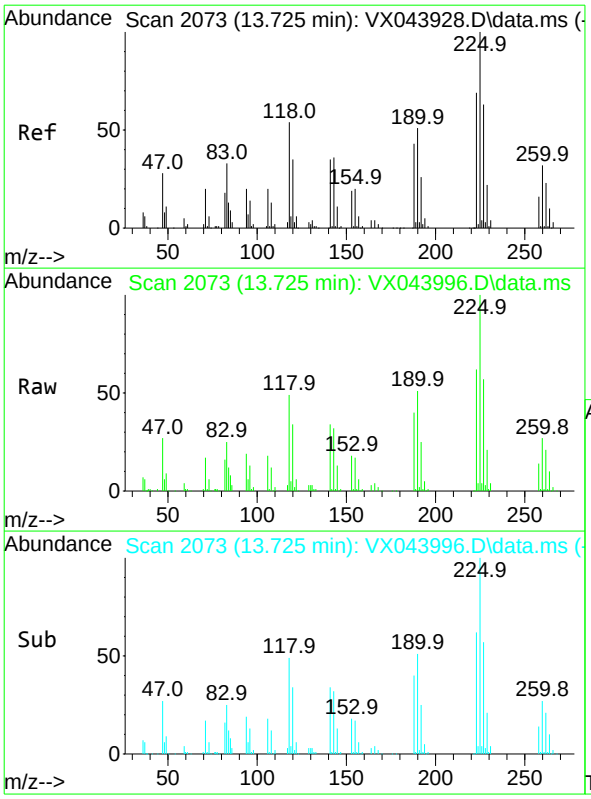


#93
1,2,4-Trichlorobenzene
Concen: 47.557 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. -0.000 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion:180 Resp: 83227

Ion	Ratio	Lower	Upper
180	100		
182	93.5	48.0	144.2
145	32.1	16.8	50.4

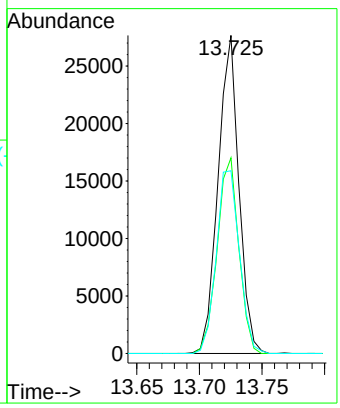




#94
Hexachlorobutadiene
Concen: 46.237 ug/l
RT: 13.725 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion:225 Resp: 31980

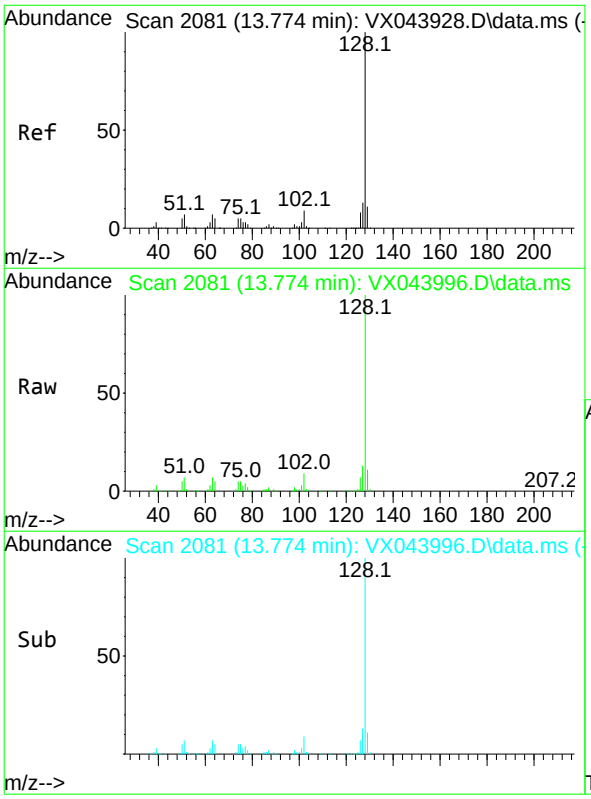
Ion	Ratio	Lower	Upper
225	100		
223	63.8	32.9	98.6
227	64.1	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MS

Manual Integrations
APPROVED

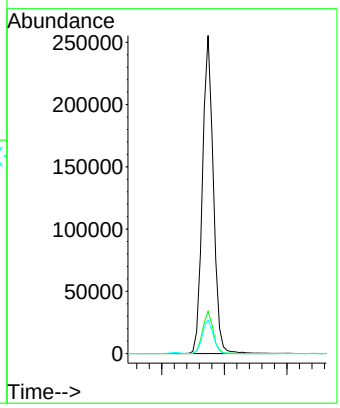
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

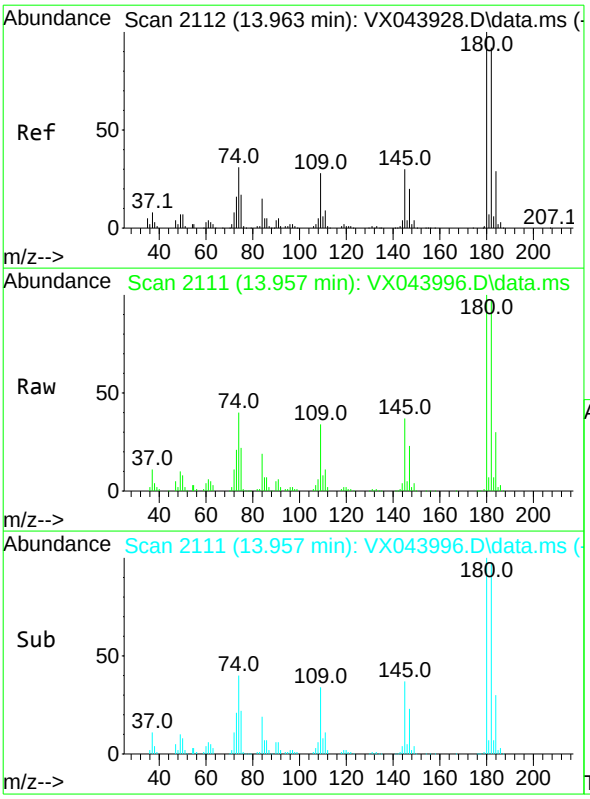


#95
Naphthalene
Concen: 48.978 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion:128 Resp: 308549

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.7	8.6	12.8

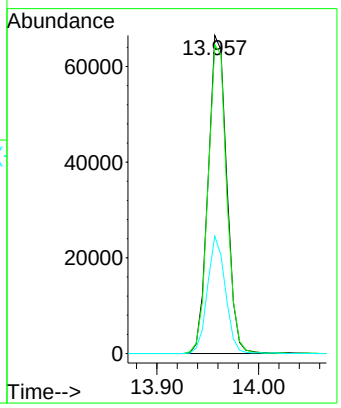




#96
1,2,3-Trichlorobenzene
Concen: 47.863 ug/l
RT: 13.957 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX043996.D
Acq: 25 Nov 2024 18:54

Tgt Ion:180 Resp: 84782

Ion	Ratio	Lower	Upper
180	100		
182	97.2	45.6	136.8
145	35.4	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MS

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-EVAL-04D-20241113MSD	SDG No.:	P4846
Lab Sample ID:	P4846-07MSD	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043997.D	1		11/25/24 19:17	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	45.4		0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	49.5		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	48.7		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	56.3		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	47.0		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	53.0		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	48.8		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	50.2		0.26	0.75	1.00	ug/L
67-64-1	Acetone	200		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	46.9		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	54.2		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	49.3		0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	52.3		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	52.6		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	53.8		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	48.3		1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	240		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	48.9		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	51.9		0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	51.3		0.18	0.50	1.00	ug/L
67-66-3	Chloroform	52.9		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	52.3		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	44.9		0.19	0.50	1.00	ug/L
71-43-2	Benzene	50.6		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	51.3		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	93.1		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	52.1		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	52.7		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	260		0.75	2.50	5.00	ug/L
108-88-3	Toluene	53.5		0.18	0.50	1.00	ug/L

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-EVAL-04D-20241113MSD	SDG No.:	P4846
Lab Sample ID:	P4846-07MSD	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043997.D	1		11/25/24 19:17	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	53.4		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	52.3		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	54.3		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	260		1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	55.1		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	53.6		0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	46.9		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	48.9		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	50.2		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	100		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	50.4		0.14	0.50	1.00	ug/L
100-42-5	Styrene	51.8		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	46.7		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	49.7		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	51.3		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	49.1		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	48.9		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	50.1		0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	50.1		0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	48.3		0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	50.7		0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.7		81 - 118		111%	SPK: 50
1868-53-7	Dibromofluoromethane	53.8		80 - 119		108%	SPK: 50
2037-26-5	Toluene-d8	54.0		89 - 112		108%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.8		85 - 114		110%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	119000	5.55				
540-36-3	1,4-Difluorobenzene	218000	6.757				
3114-55-4	Chlorobenzene-d5	195000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	91400	12.024				

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-EVAL-04D-20241113MSD	SDG No.:	P4846
Lab Sample ID:	P4846-07MSD	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043997.D	1		11/25/24 19:17	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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

Sample Results: **VX043997.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043997.D
Acq On : 25 Nov 2024 19:17
Operator : JC/MD
Sample : P4846-07MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MSD

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

Quant Time: Nov 26 00:53:51 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	5.550	168	119055	50.000 ug/l	0.01
34) 1,4-Difluorobenzene	6.757	114	218255	50.000 ug/l	0.00
63) Chlorobenzene-d5	10.049	117	194980	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	91386	50.000 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	5.952	65	113795	55.727 ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.460%		
35) Dibromofluoromethane	5.379	113	83918	53.809 ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.620%		
50) Toluene-d8	8.647	98	290156	53.974 ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.940%		
62) 4-Bromofluorobenzene	11.079	95	100346	54.847 ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 109.700%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.166	85	68418	45.363 ug/l	99
3) Chloromethane	1.294	50	78598	49.522 ug/l	99
4) Vinyl Chloride	1.374	62	82239	48.716 ug/l	97
5) Bromomethane	1.593	94	58446	56.279 ug/l	97
6) Chloroethane	1.660	64	48322	46.976 ug/l	99
7) Trichlorofluoromethane	1.867	101	159844	52.961 ug/l	98
8) Diethyl Ether	2.136	74	56888	51.714 ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.312	101	70242	48.790 ug/l	99
10) Methyl Iodide	2.440	142	94361	52.480 ug/l	98
11) Tert butyl alcohol	3.001	59	74653	227.768 ug/l	99
12) 1,1-Dichloroethene	2.306	96	68848	50.186 ug/l	98
13) Acrolein	2.233	56	80504	233.027 ug/l	99
14) Allyl chloride	2.654	41	114997	51.301 ug/l	96
15) Acrylonitrile	3.068	53	207366	259.621 ug/l	99
16) Acetone	2.386	43	184753	196.992 ug/l	100
17) Carbon Disulfide	2.501	76	132661	46.880 ug/l	97
18) Methyl Acetate	2.703	43	107746	49.332 ug/l	100
19) Methyl tert-butyl Ether	3.117	73	270138	54.232 ug/l	100
20) Methylene Chloride	2.782	84	83213	52.284 ug/l	96
21) trans-1,2-Dichloroethene	3.081	96	74452	52.566 ug/l	94
22) Diisopropyl ether	3.763	45	259995	54.242 ug/l	98
23) Vinyl Acetate	3.721	43	1074693	262.098 ug/l	99
24) 1,1-Dichloroethane	3.605	63	148896	53.846 ug/l	99
25) 2-Butanone	4.562	43	287884	237.891 ug/l	100
26) 2,2-Dichloropropane	4.471	77	110861	44.393 ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	90870	51.903 ug/l	98
28) Bromochloromethane	4.891	49	62470	51.324 ug/l	98
29) Tetrahydrofuran	5.007	42	184658	248.899 ug/l	100
30) Chloroform	5.092	83	157194	52.855 ug/l	96
31) Cyclohexane	5.464	56	109935	48.305 ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	134109	52.290 ug/l	99
36) 1,1-Dichloropropene	5.690	75	96555	49.684 ug/l	97
37) Ethyl Acetate	4.708	43	110971	46.001 ug/l	98
38) Carbon Tetrachloride	5.665	117	106716	48.870 ug/l	96
39) Methylcyclohexane	7.372	83	113452	44.937 ug/l	99
40) Benzene	6.031	78	306158	50.575 ug/l	99

Sample Results: **VX043997.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043997.D
Acq On : 25 Nov 2024 19:17
Operator : JC/MD
Sample : P4846-07MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 26 00:53:51 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MSD

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.928	41	62008	50.222 ug/l		95
42) 1,2-Dichloroethane	6.080	62	124690	51.287 ug/l		100
43) Isopropyl Acetate	6.342	43	190522	49.626 ug/l		99
44) Trichloroethene	7.123	130	159601	93.134 ug/l		94
45) 1,2-Dichloropropane	7.427	63	77252	52.104 ug/l		93
46) Dibromomethane	7.580	93	60579	51.652 ug/l		99
47) Bromodichloromethane	7.818	83	110925	52.735 ug/l		98
48) Methyl methacrylate	7.696	41	92817	50.385 ug/l		98
49) 1,4-Dioxane	7.665	88	26754	815.305 ug/l		93
51) 4-Methyl-2-Pentanone	8.573	43	615048	262.523 ug/l		100
52) Toluene	8.714	92	193684	53.457 ug/l		98
53) t-1,3-Dichloropropene	8.976	75	114552	53.404 ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	123080	52.342 ug/l		95
55) 1,1,2-Trichloroethane	9.153	97	81166	54.268 ug/l		98
56) Ethyl methacrylate	9.116	69	126753	54.410 ug/l		100
57) 1,3-Dichloropropane	9.305	76	135608	53.824 ug/l		99
59) 2-Hexanone	9.433	43	454908	258.333 ug/l		100
60) Dibromochloromethane	9.518	129	82662	55.085 ug/l		100
61) 1,2-Dibromoethane	9.610	107	80988	53.552 ug/l		99
64) Tetrachloroethene	9.268	164	60288	46.892 ug/l		91
65) Chlorobenzene	10.079	112	209596	48.944 ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	73443	52.882 ug/l		99
67) Ethyl Benzene	10.189	91	364191	50.189 ug/l		100
68) m/p-Xylenes	10.299	106	271439	100.308 ug/l		99
69) o-Xylene	10.640	106	133174	50.405 ug/l		96
70) Styrene	10.652	104	226330	51.793 ug/l		98
71) Bromoform	10.799	173	49025	46.706 ug/l	#	100
73) Isopropylbenzene	10.963	105	349342	49.730 ug/l		100
74) N-amyl acetate	10.841	43	162532	49.945 ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	123380	51.294 ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	100151m	49.974 ug/l		
77) Bromobenzene	11.195	156	82986	49.522 ug/l		99
78) n-propylbenzene	11.305	91	392227	49.993 ug/l		98
79) 2-Chlorotoluene	11.360	91	244095	49.202 ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	289679	50.123 ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	33220	45.232 ug/l		97
82) 4-Chlorotoluene	11.451	91	275689	49.222 ug/l		100
83) tert-Butylbenzene	11.713	119	292215	51.012 ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	290704	50.523 ug/l		99
85) sec-Butylbenzene	11.890	105	343923	49.003 ug/l		99
86) p-Isopropyltoluene	12.006	119	289829	50.838 ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	149971	49.137 ug/l		99
88) 1,4-Dichlorobenzene	12.042	146	152147	48.895 ug/l		99
89) n-Butylbenzene	12.329	91	247152	49.171 ug/l		100
90) Hexachloroethane	12.536	117	46635	48.106 ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	154236	50.075 ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	24162	50.132 ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	87717	48.305 ug/l		99
94) Hexachlorobutadiene	13.725	225	32788	45.686 ug/l		96
95) Naphthalene	13.774	128	327480	50.099 ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	93264	50.743 ug/l		98

Sample Results: **VX043997.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043997.D
Acq On : 25 Nov 2024 19:17
Operator : JC/MD
Sample : P4846-07MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 26 00:53:51 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MSD

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

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

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

Sample Results: **VX043997.D**

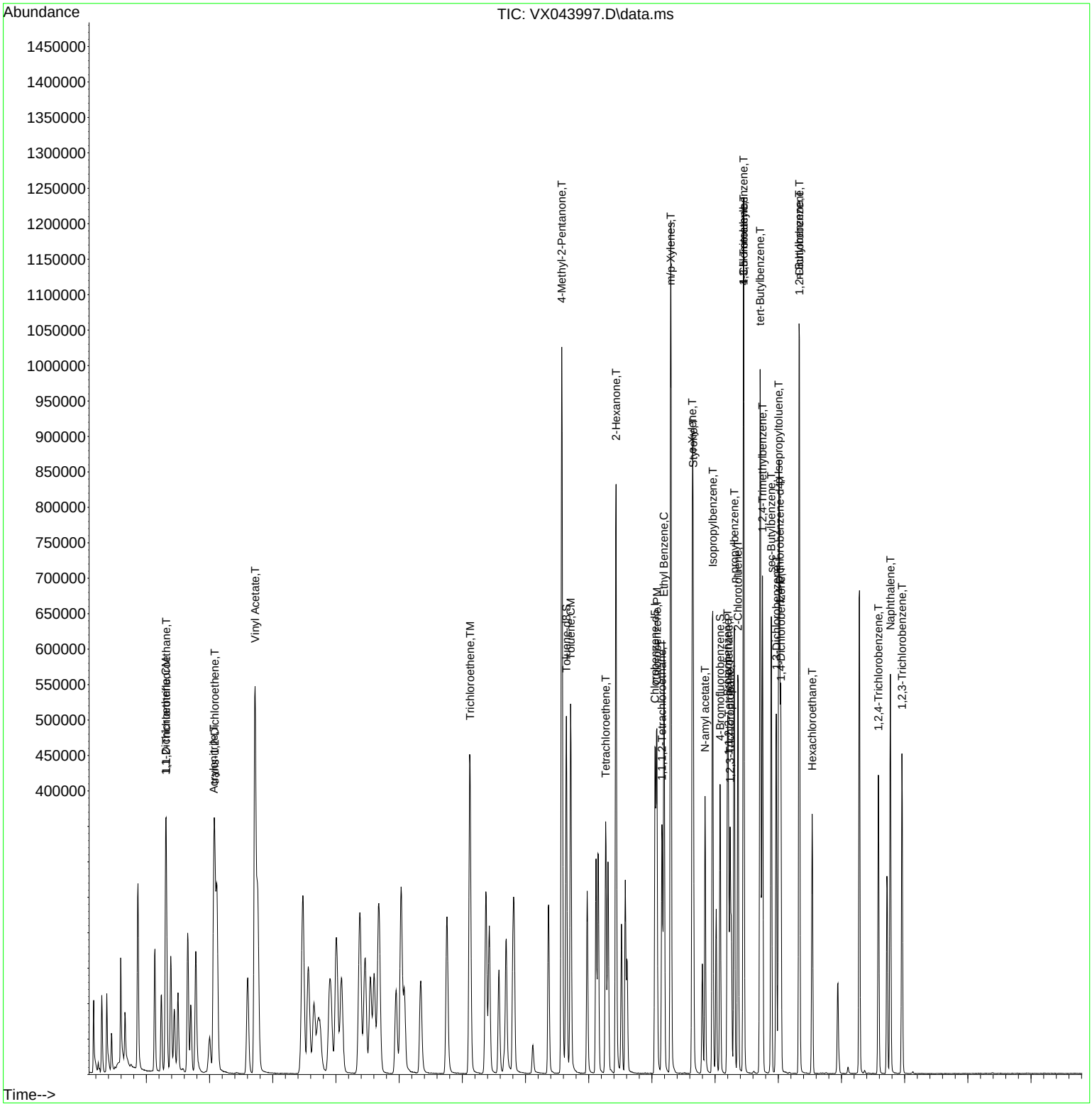
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Data File : VX043997.D
Acq On : 25 Nov 2024 19:17
Operator : JC/MD
Sample : P4846-07MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

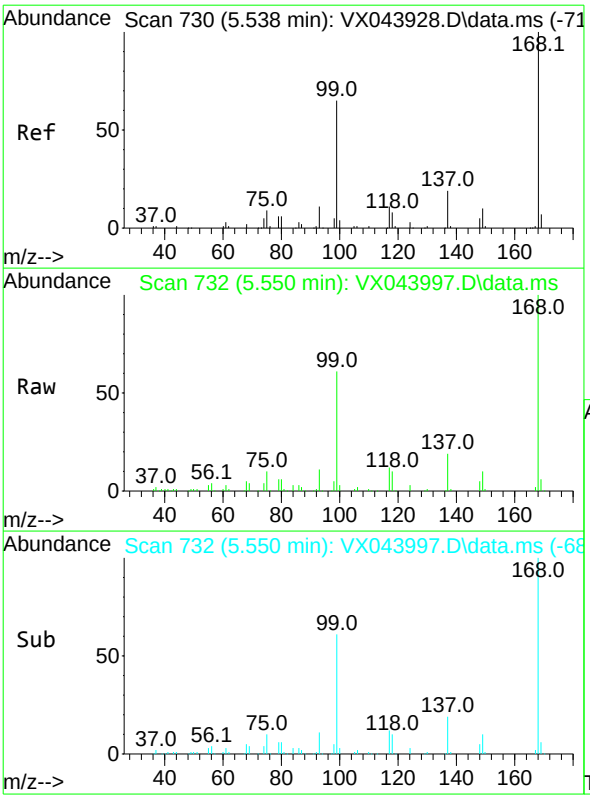
Quant Time: Nov 26 00:53:51 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MSD

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

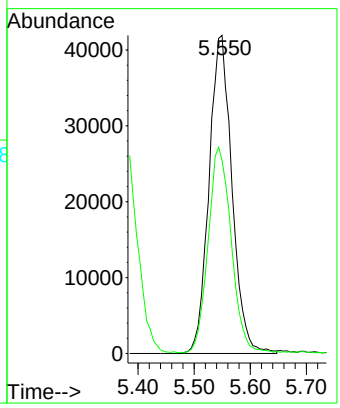




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. 0.012 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion:168 Resp: 119055

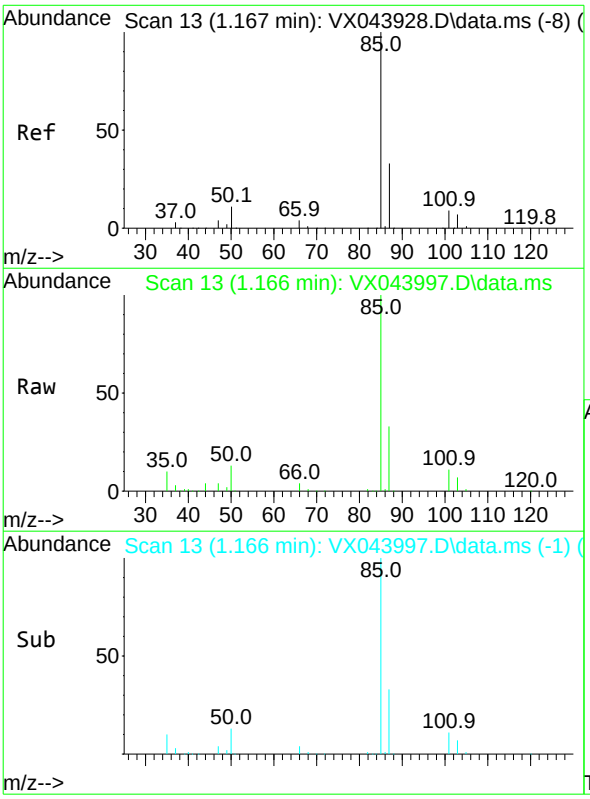
Ion	Ratio	Lower	Upper
168	100		
99	60.4	51.8	77.8



Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MSD

Manual Integrations
APPROVED

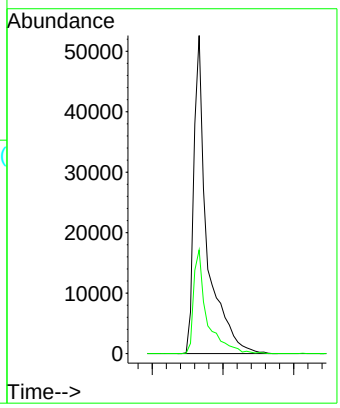
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

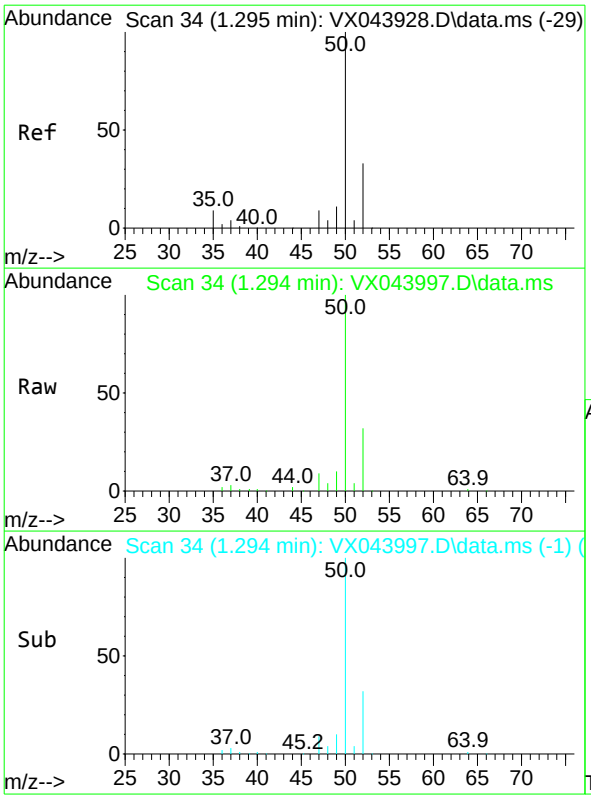


#2
Dichlorodifluoromethane
Concen: 45.363 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion: 85 Resp: 68418

Ion	Ratio	Lower	Upper
85	100		
87	32.6	16.6	49.8

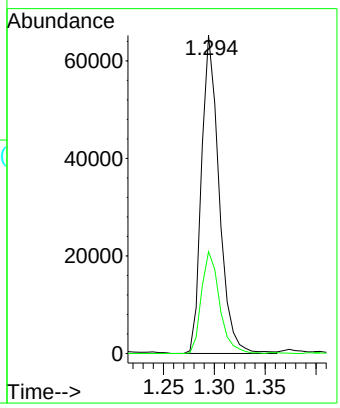




#3
Chloromethane
Concen: 49.522 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion: 50 Resp: 78598

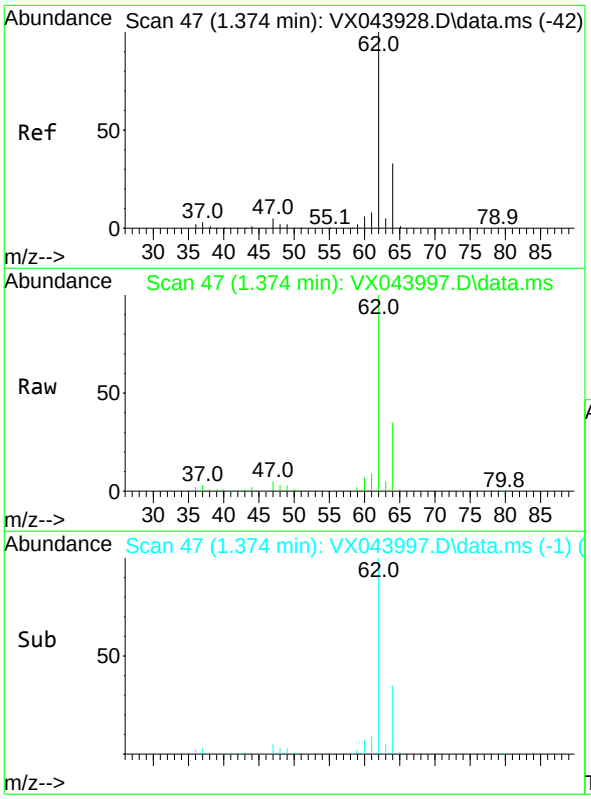
Ion	Ratio	Lower	Upper
50	100		
52	32.0	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MSD

Manual Integrations
APPROVED

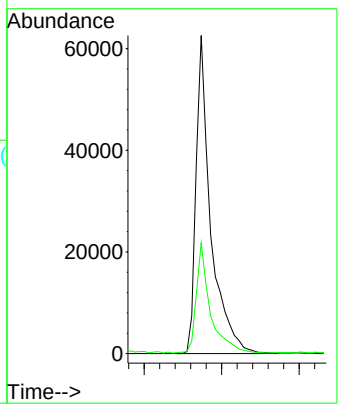
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

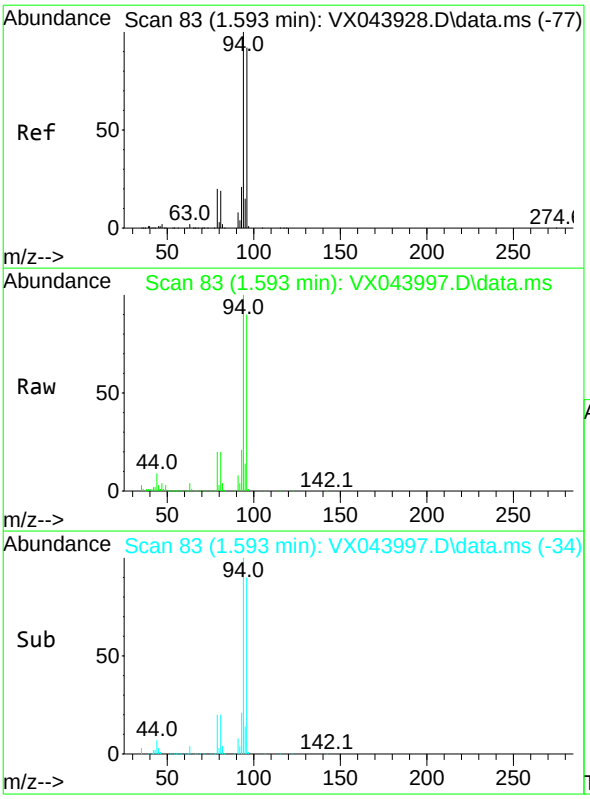


#4
Vinyl Chloride
Concen: 48.716 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion: 62 Resp: 82239

Ion	Ratio	Lower	Upper
62	100		
64	34.5	26.2	39.4

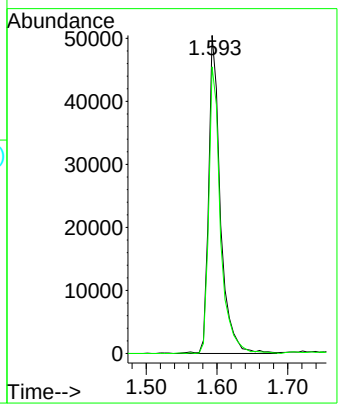




#5
Bromomethane
Concen: 56.279 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion: 94 Resp: 58446

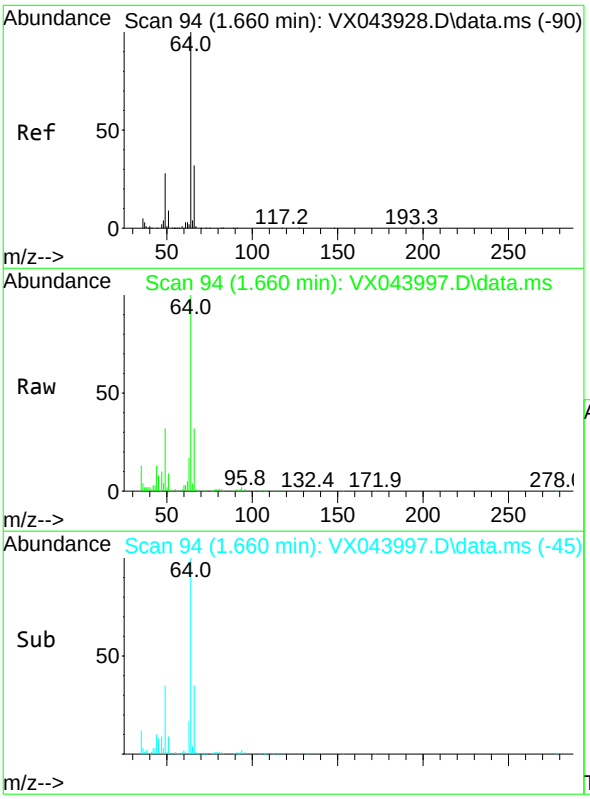
Ion	Ratio	Lower	Upper
94	100		
96	90.0	73.9	110.9



Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MSD

Manual Integrations
APPROVED

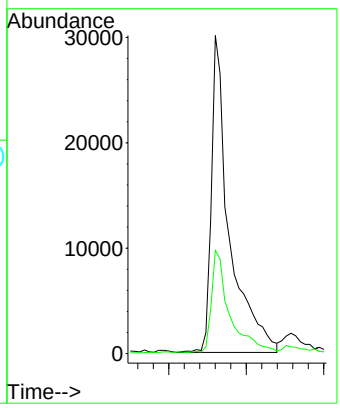
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

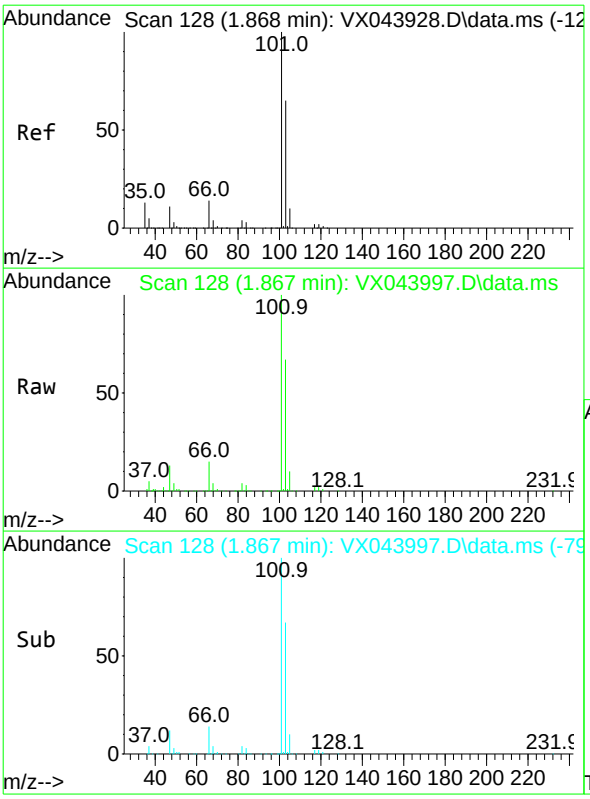


#6
Chloroethane
Concen: 46.976 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion: 64 Resp: 48322

Ion	Ratio	Lower	Upper
64	100		
66	32.0	25.9	38.9





#7
Trichlorofluoromethane
Concen: 52.961 ug/l
RT: 1.867 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

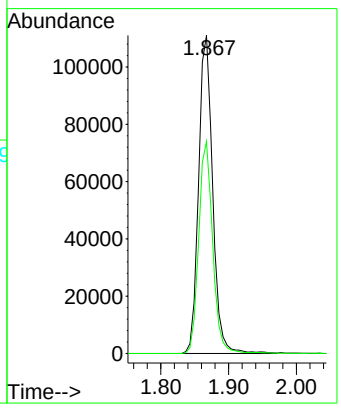
Tgt Ion:101 Resp: 159844

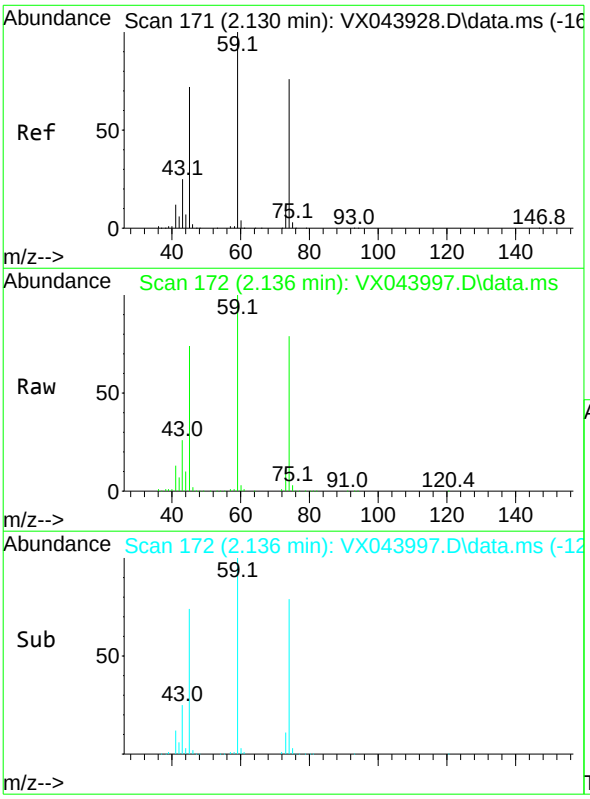
Ion	Ratio	Lower	Upper
101	100		
103	66.7	52.2	78.2

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MSD

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

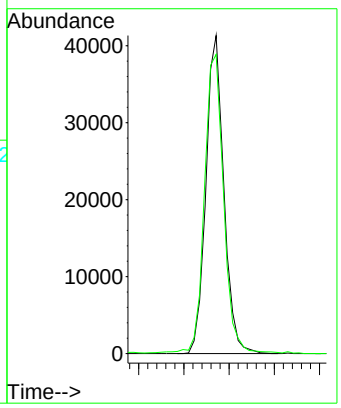


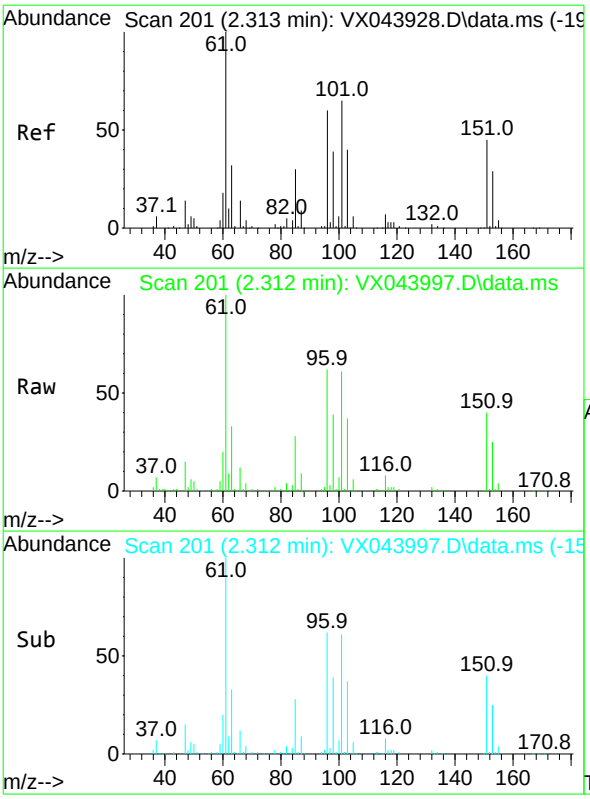


#8
Diethyl Ether
Concen: 51.714 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion: 74 Resp: 56888

Ion	Ratio	Lower	Upper
74	100		
45	99.7	47.9	143.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.790 ug/l
RT: 2.312 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

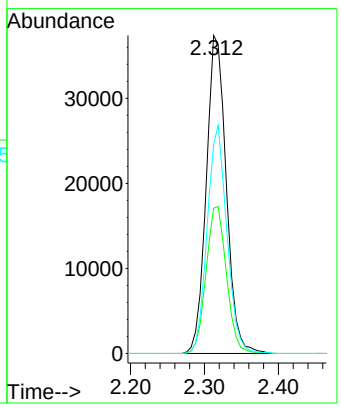
Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MSD

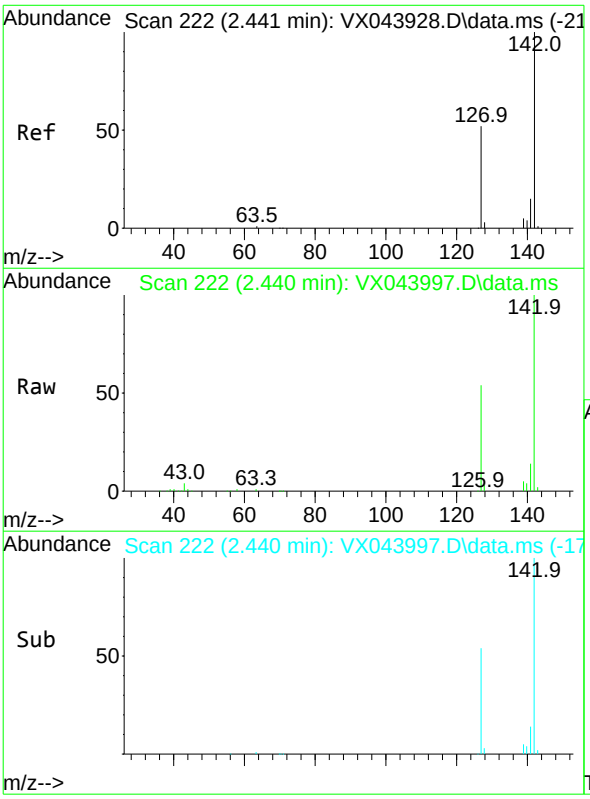
Tgt Ion:101 Resp: 70242

Ion	Ratio	Lower	Upper
101	100		
85	47.3	37.9	56.9
151	70.7	57.5	86.3

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

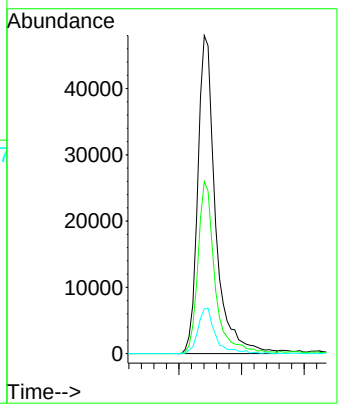


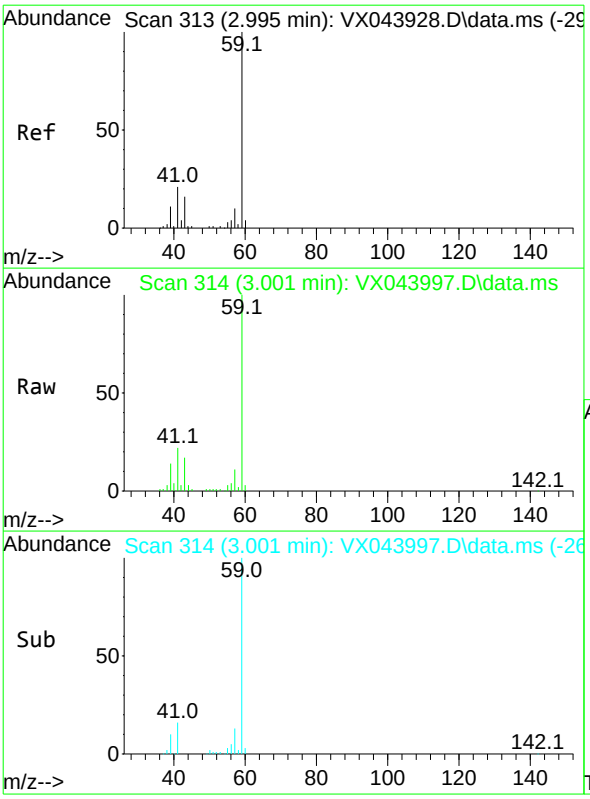


#10
Methyl Iodide
Concen: 52.480 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion:142 Resp: 94361

Ion	Ratio	Lower	Upper
142	100		
127	52.1	40.7	61.1
141	14.2	12.0	18.0

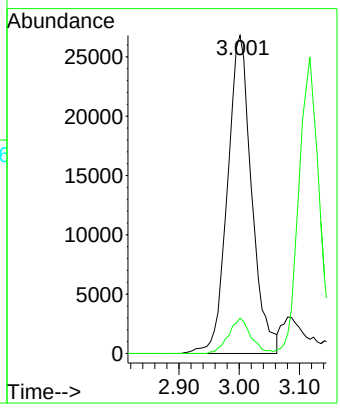




#11
Tert butyl alcohol
Concen: 227.768 ug/l
RT: 3.001 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion: 59 Resp: 74653

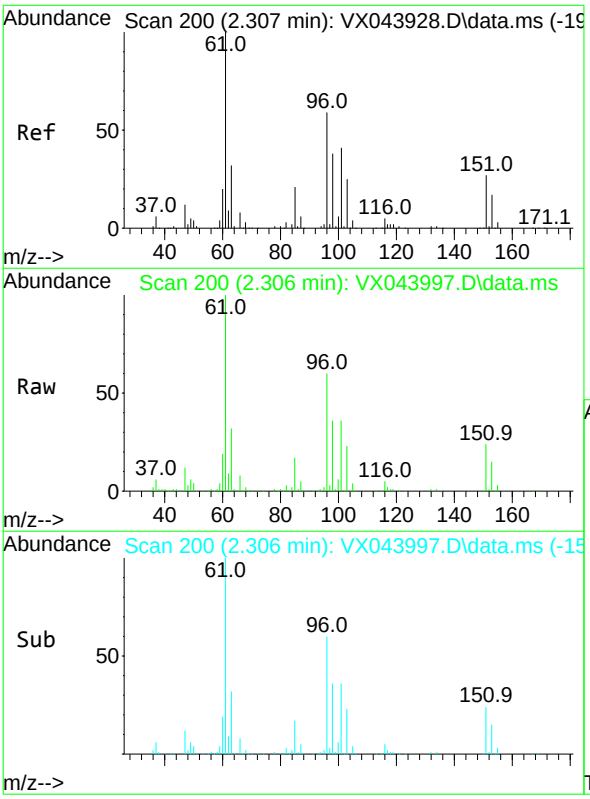
Ion	Ratio	Lower	Upper
59	100		
57	10.3	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MSD

Manual Integrations
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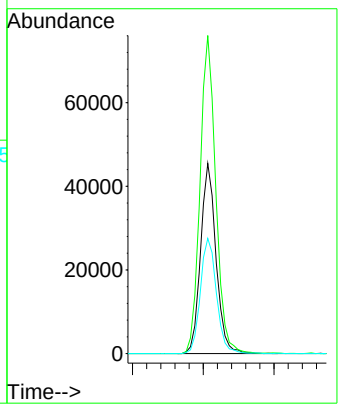
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

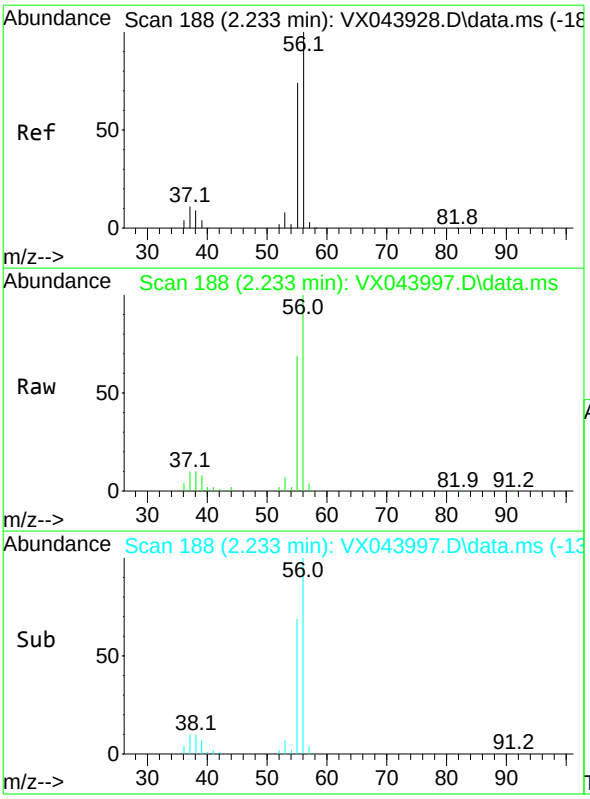


#12
1,1-Dichloroethene
Concen: 50.186 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion: 96 Resp: 68848

Ion	Ratio	Lower	Upper
96	100		
61	167.2	135.5	203.3
98	60.5	50.8	76.2

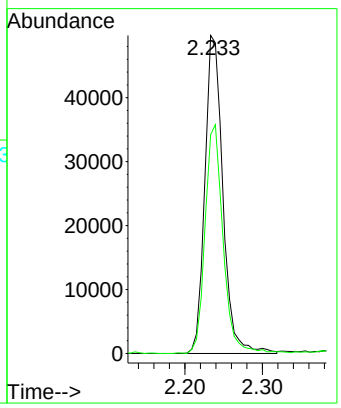




#13
Acrolein
Concen: 233.027 ug/l
RT: 2.233 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion: 56 Resp: 80504

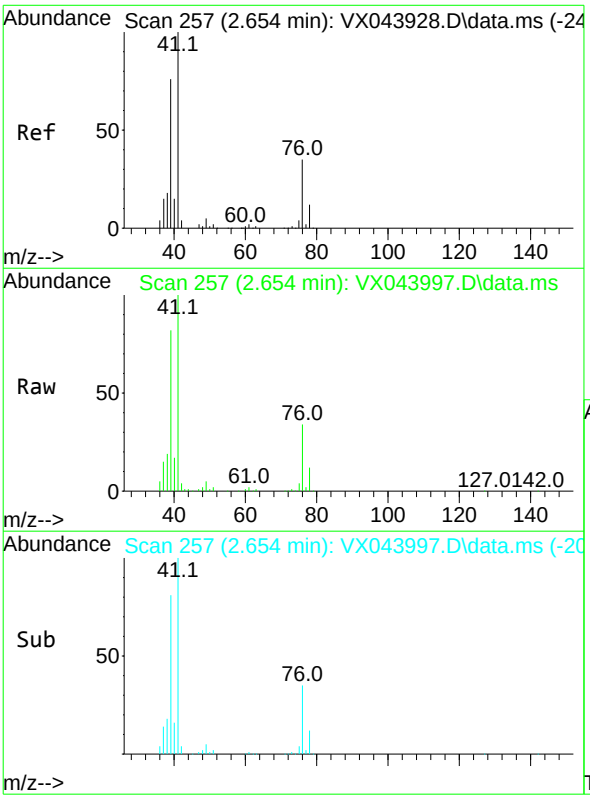
Ion	Ratio	Lower	Upper
56	100		
55	72.0	58.2	87.2



Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MSD

Manual Integrations
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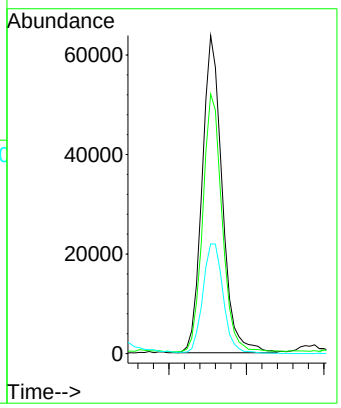
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

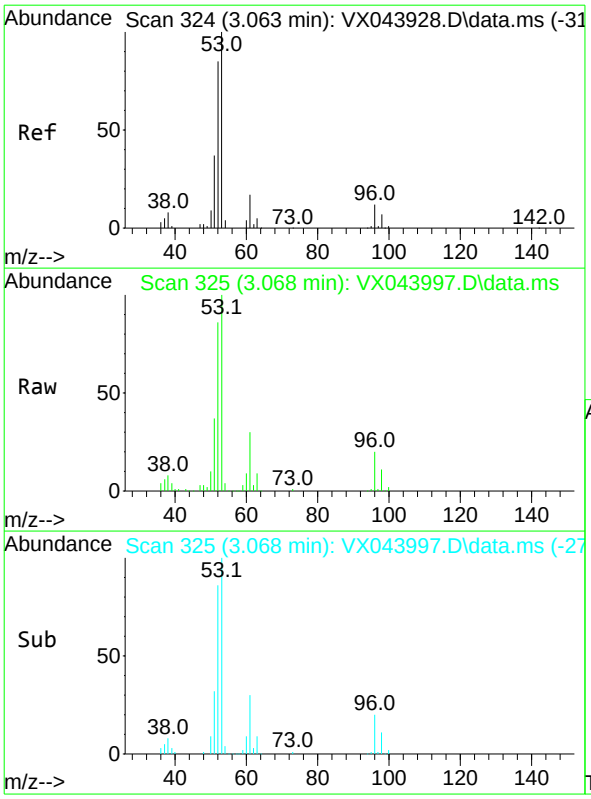


#14
Allyl chloride
Concen: 51.301 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion: 41 Resp: 114997

Ion	Ratio	Lower	Upper
41	100		
39	78.3	59.5	89.3
76	35.4	27.4	41.2

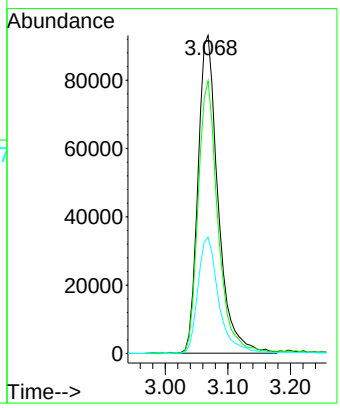




#15
Acrylonitrile
Concen: 259.621 ug/l
RT: 3.068 min Scan# 32
Delta R.T. 0.006 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion: 53 Resp: 207366

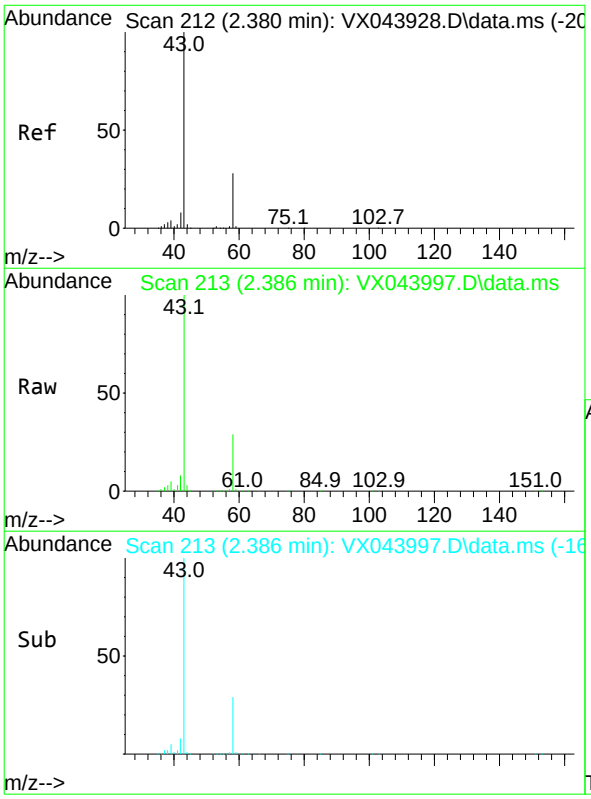
Ion	Ratio	Lower	Upper
53	100		
52	84.4	66.5	99.7
51	37.3	30.2	45.4



Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MSD

Manual Integrations
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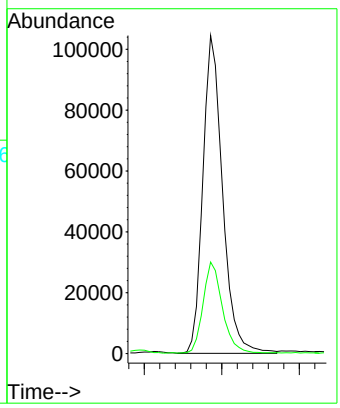
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

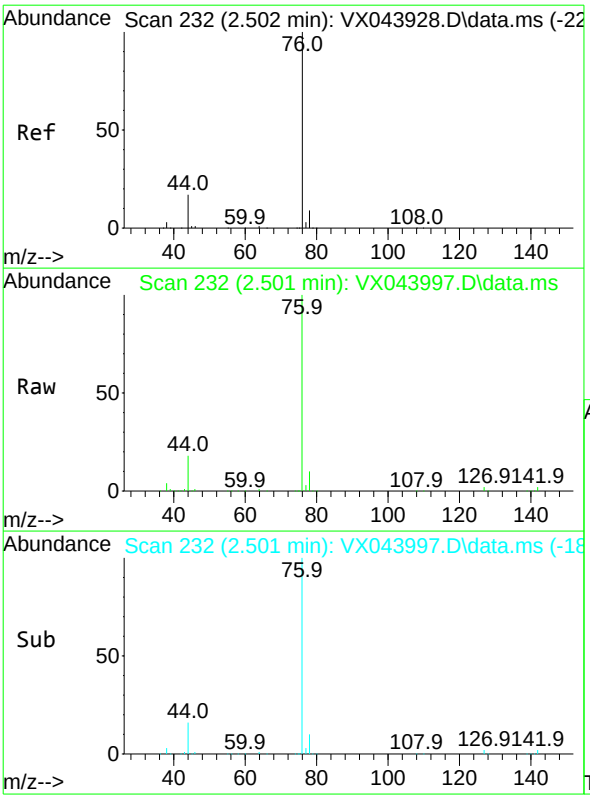


#16
Acetone
Concen: 196.992 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion: 43 Resp: 184753

Ion	Ratio	Lower	Upper
43	100		
58	28.6	22.7	34.1





#17
Carbon Disulfide
Concen: 46.880 ug/l
RT: 2.501 min Scan# 23
Delta R.T. -0.000 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

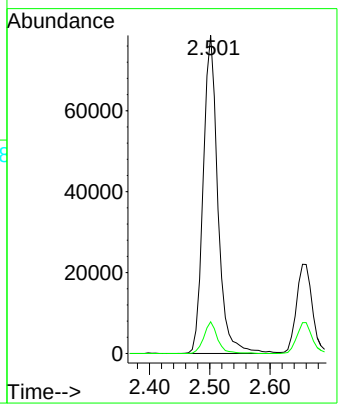
Tgt Ion: 76 Resp: 132661

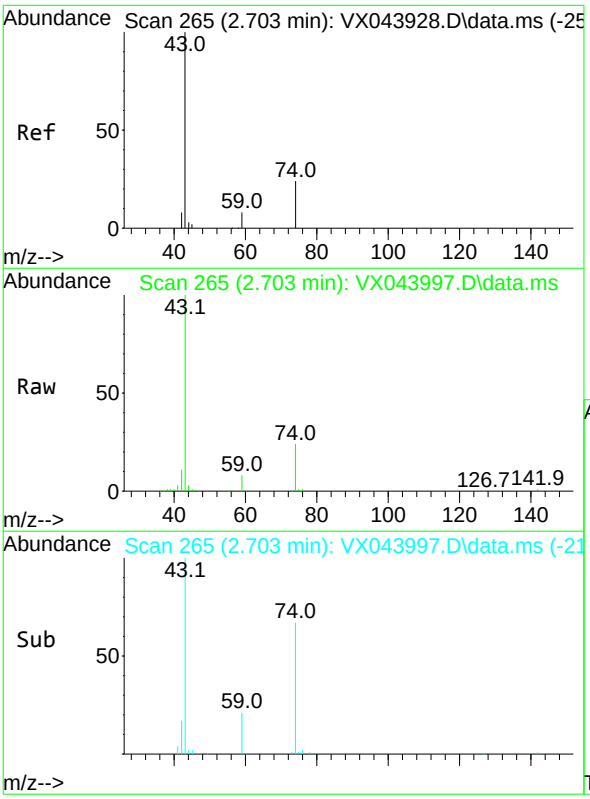
Ion	Ratio	Lower	Upper
76	100		
78	10.0	7.0	10.6

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MSD

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

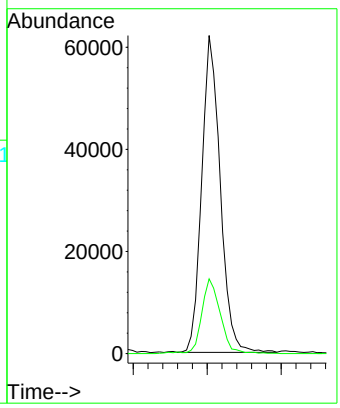


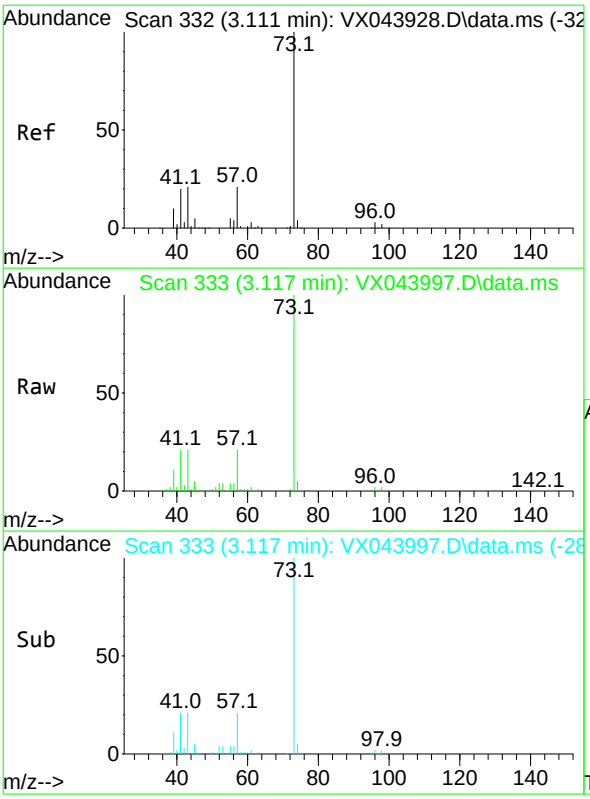


#18
Methyl Acetate
Concen: 49.332 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion: 43 Resp: 107746

Ion	Ratio	Lower	Upper
43	100		
74	23.8	18.9	28.3

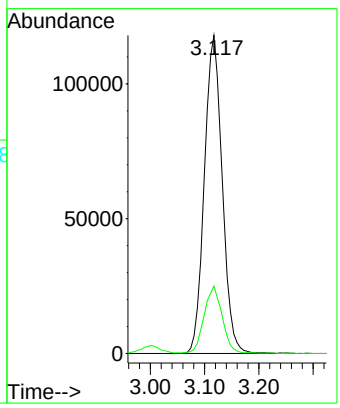




#19
Methyl tert-butyl Ether
Concen: 54.232 ug/l
RT: 3.117 min Scan# 33
Delta R.T. 0.006 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion: 73 Resp: 270138

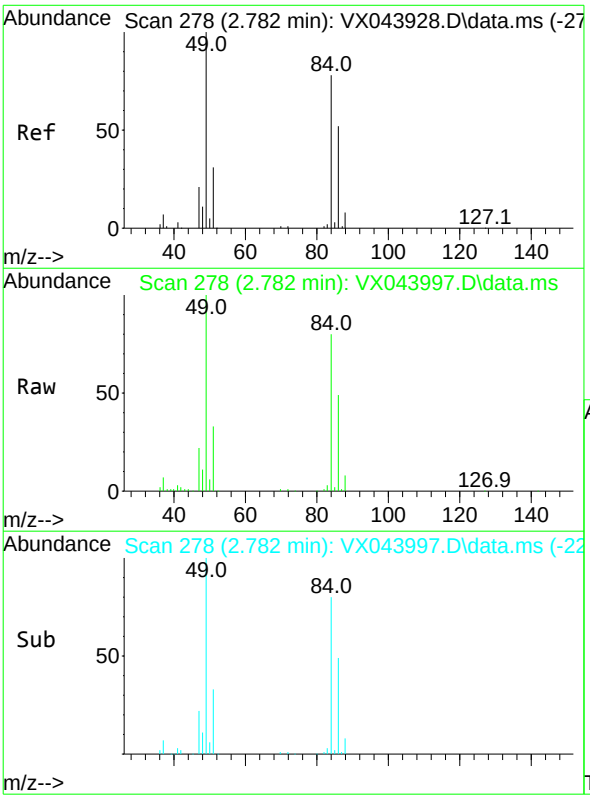
Ion	Ratio	Lower	Upper
73	100		
57	21.1	17.0	25.6



Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MSD

Manual Integrations
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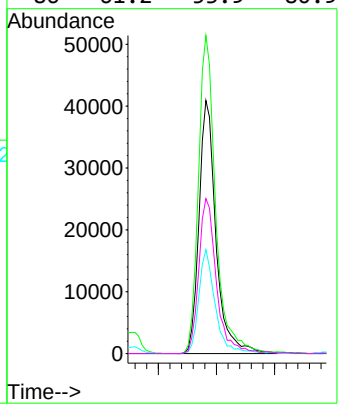
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

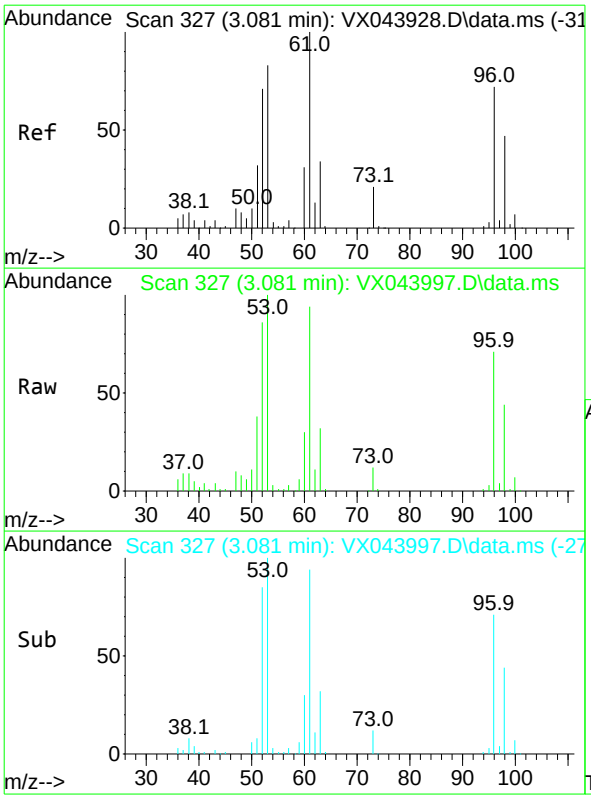


#20
Methylene Chloride
Concen: 52.284 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion: 84 Resp: 83213

Ion	Ratio	Lower	Upper
84	100		
49	125.7	102.7	154.1
51	41.1	31.7	47.5
86	61.2	53.9	80.9

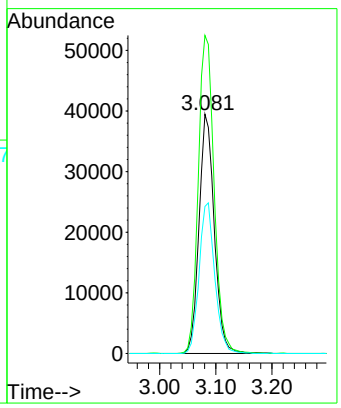




#21
trans-1,2-Dichloroethene
Concen: 52.566 ug/l
RT: 3.081 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion: 96 Resp: 74452

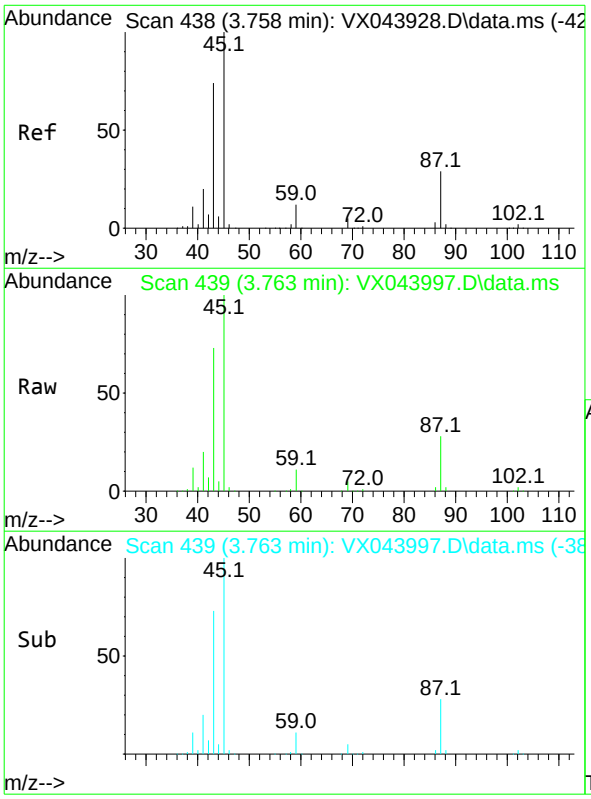
Ion	Ratio	Lower	Upper
96	100		
61	132.9	111.8	167.6
98	61.4	52.7	79.1



Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MSD

Manual Integrations
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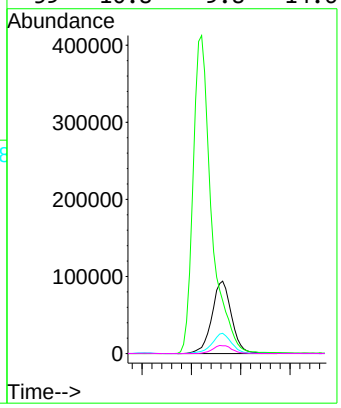
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

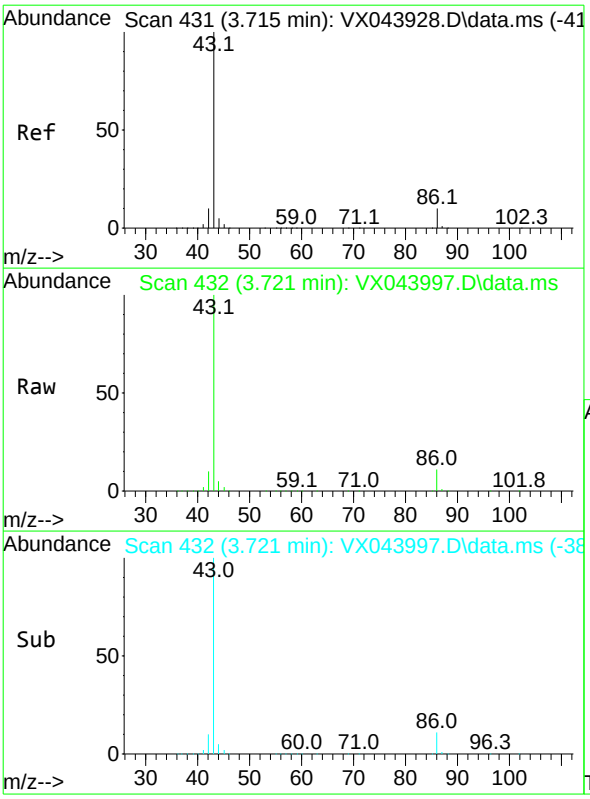


#22
Diisopropyl ether
Concen: 54.242 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion: 45 Resp: 259995

Ion	Ratio	Lower	Upper
45	100		
43	72.8	59.6	89.4
87	28.0	22.9	34.3
59	10.8	9.8	14.6

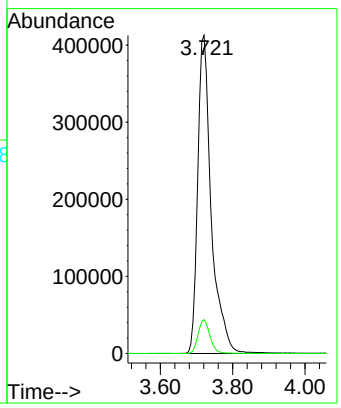




#23
Vinyl Acetate
Concen: 262.098 ug/l
RT: 3.721 min Scan# 43
Delta R.T. 0.006 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion: 43 Resp: 1074693

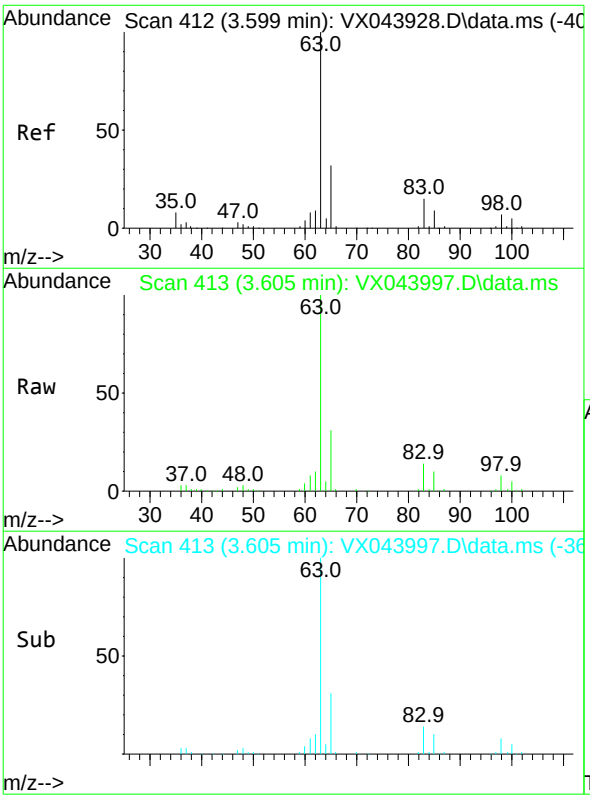
Ion	Ratio	Lower	Upper
43	100		
86	10.6	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MSD

Manual Integrations
APPROVED

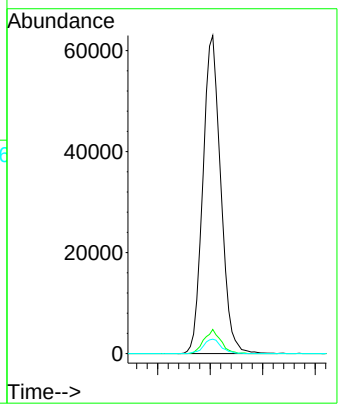
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

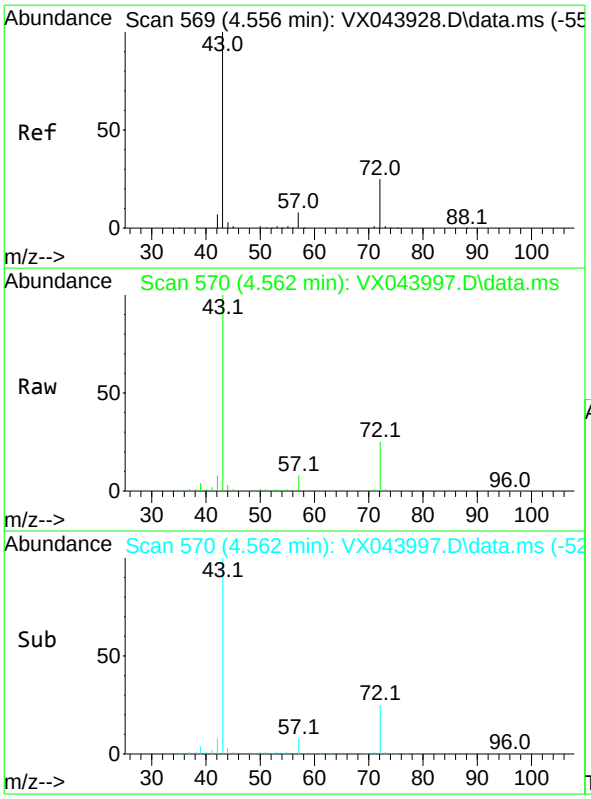


#24
1,1-Dichloroethane
Concen: 53.846 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion: 63 Resp: 148896

Ion	Ratio	Lower	Upper
63	100		
98	7.6	3.5	10.6
100	4.5	2.4	7.1

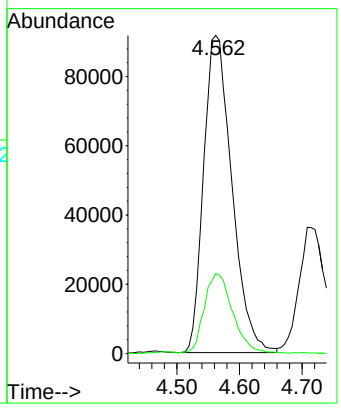




#25
2-Butanone
Concen: 237.891 ug/l
RT: 4.562 min Scan# 57
Delta R.T. 0.006 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion: 43 Resp: 287884

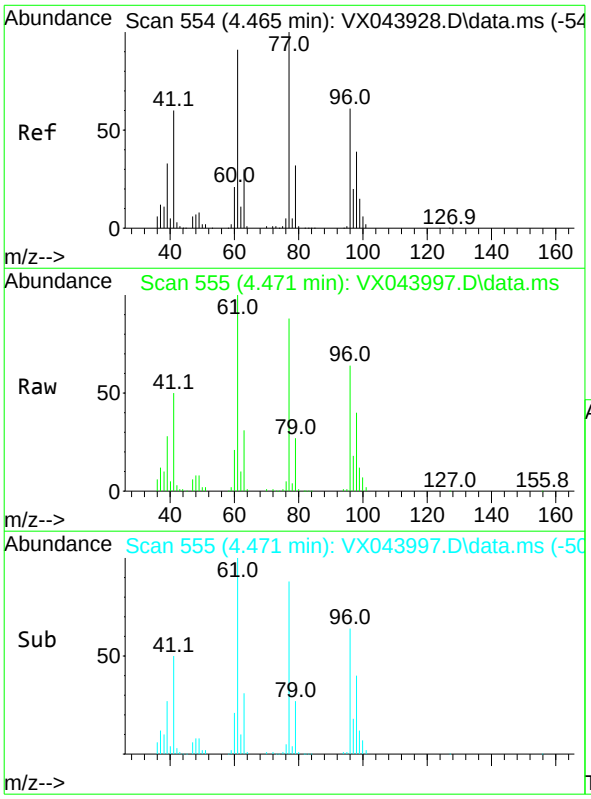
Ion	Ratio	Lower	Upper
43	100		
72	25.0	20.2	30.2



Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MSD

Manual Integrations
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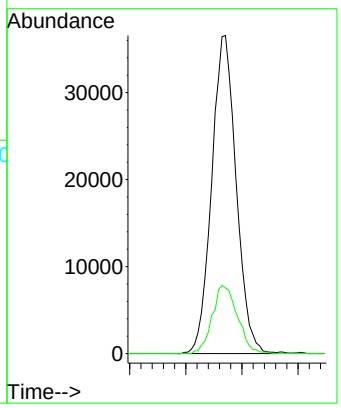
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

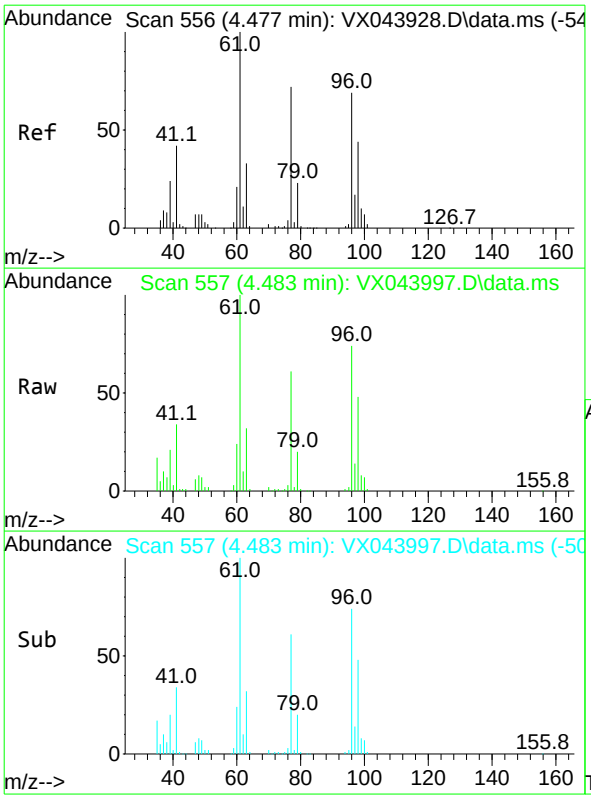


#26
2,2-Dichloropropane
Concen: 44.393 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion: 77 Resp: 110861

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.8	32.3

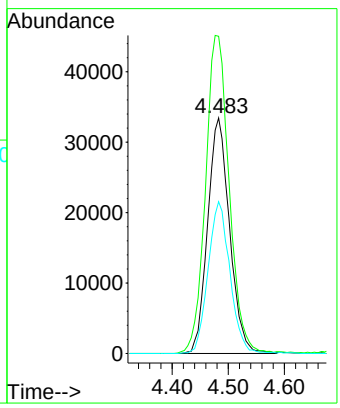




#27
cis-1,2-Dichloroethene
Concen: 51.903 ug/l
RT: 4.483 min Scan# 55
Delta R.T. 0.006 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion: 96 Resp: 90870

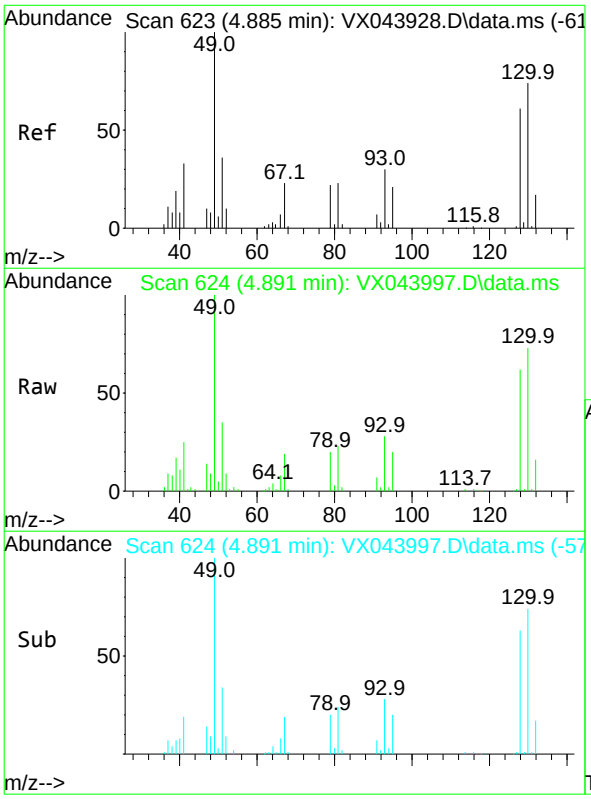
Ion	Ratio	Lower	Upper
96	100		
61	145.2	0.0	297.4
98	64.4	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MSD

Manual Integrations
APPROVED

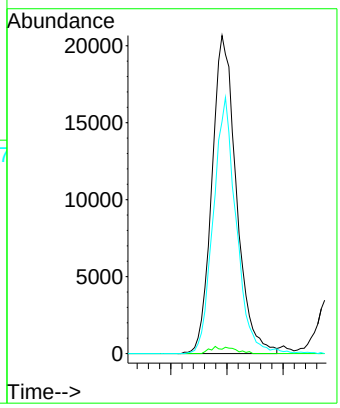
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

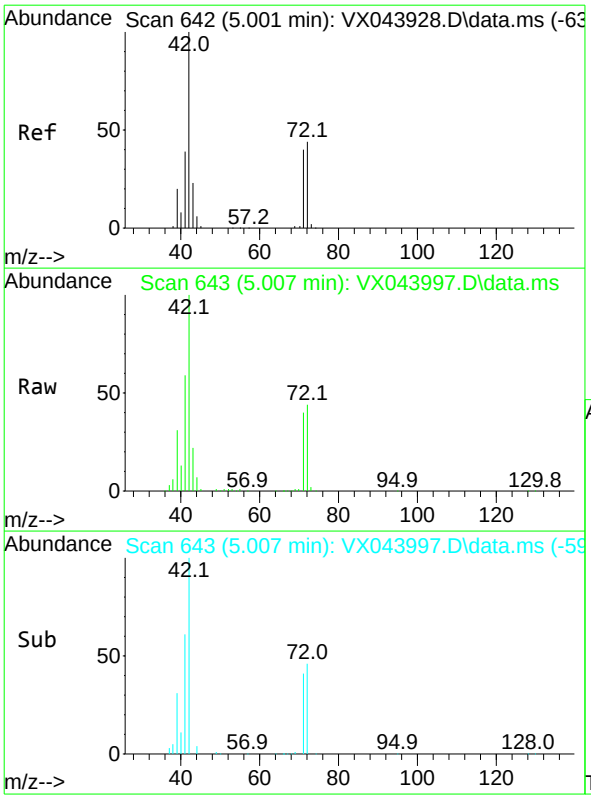


#28
Bromochloromethane
Concen: 51.324 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion: 49 Resp: 62470

Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	4.0
130	75.5	59.0	88.6

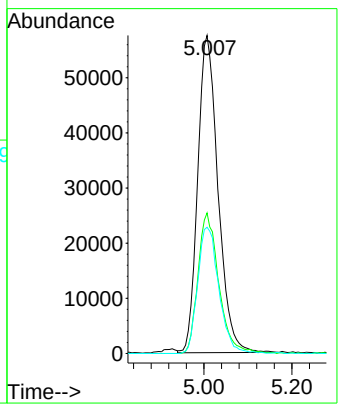




#29
Tetrahydrofuran
Concen: 248.899 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion: 42 Resp: 184658

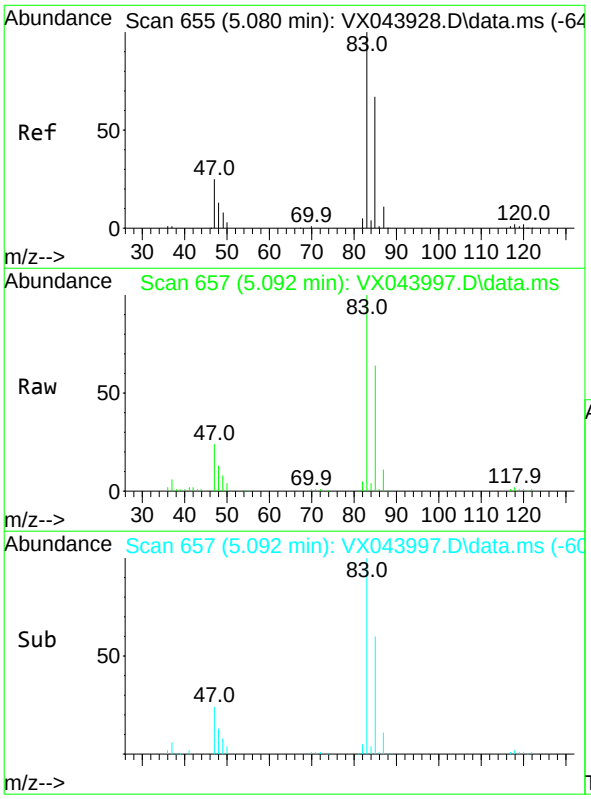
Ion	Ratio	Lower	Upper
42	100		
72	45.4	36.4	54.6
71	41.5	33.4	50.0



Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MSD

Manual Integrations
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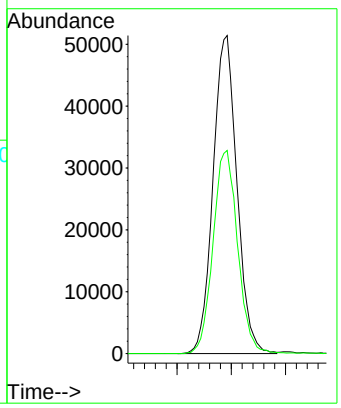
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

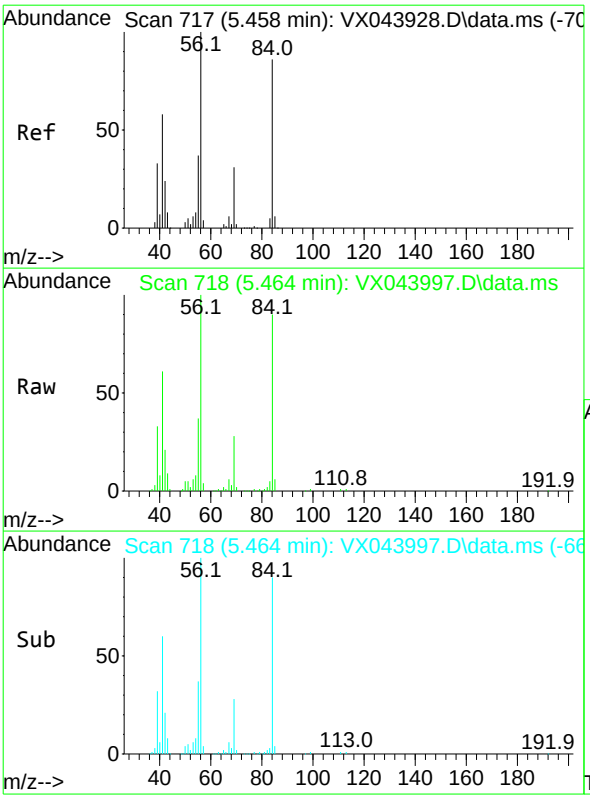


#30
Chloroform
Concen: 52.855 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.012 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion: 83 Resp: 157194

Ion	Ratio	Lower	Upper
83	100		
85	63.9	53.5	80.3





#31
Cyclohexane
Concen: 48.305 ug/l
RT: 5.464 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

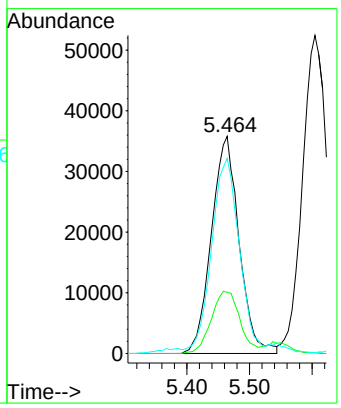
Tgt Ion: 56 Resp: 109935

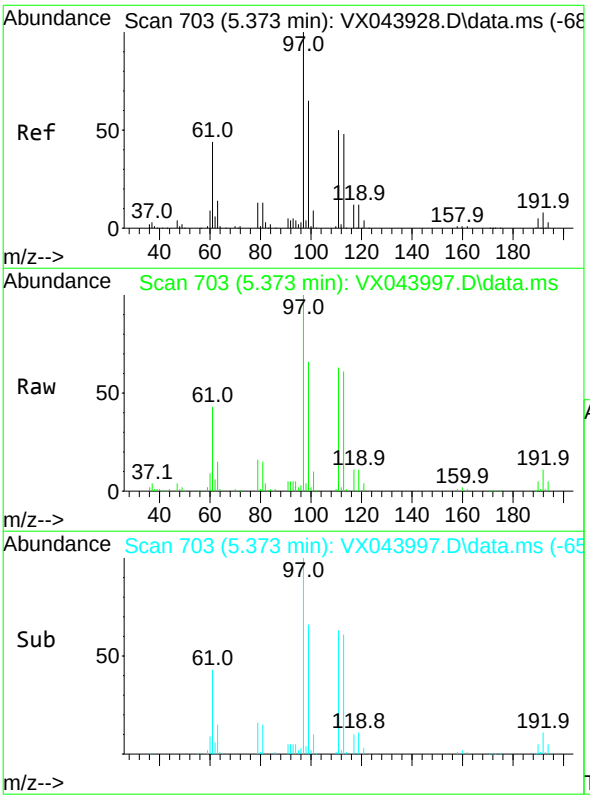
Ion	Ratio	Lower	Upper
56	100		
69	28.2	24.7	37.1
84	87.5	68.7	103.1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MSD

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

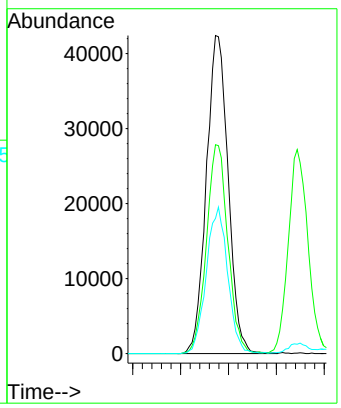


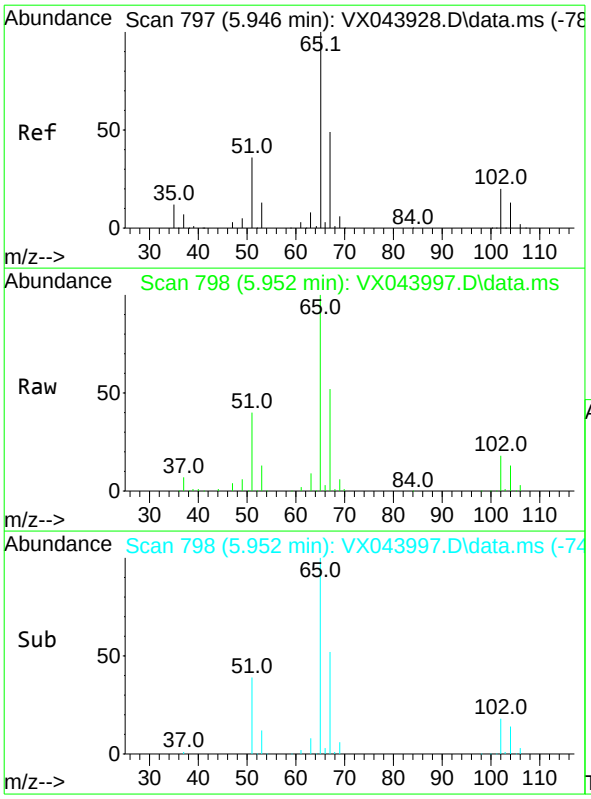


#32
1,1,1-Trichloroethane
Concen: 52.290 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion: 97 Resp: 134109

Ion	Ratio	Lower	Upper
97	100		
99	64.4	50.8	76.2
61	45.4	35.4	53.2

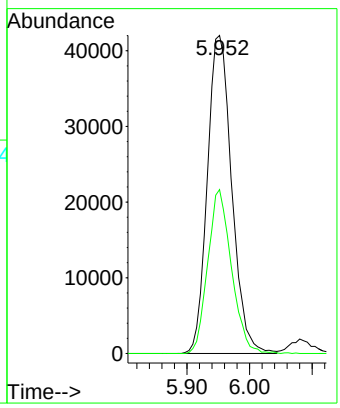




#33
1,2-Dichloroethane-d4
Concen: 55.727 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.006 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion: 65 Resp: 113795

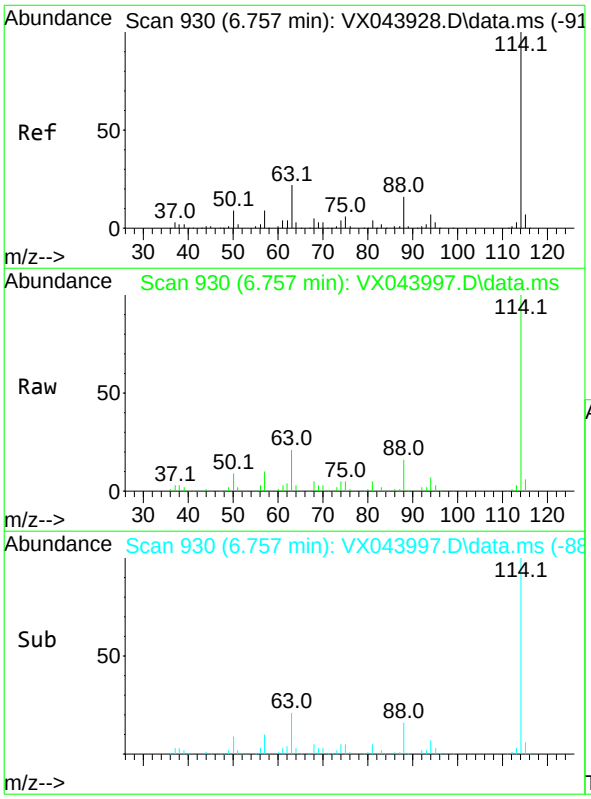
Ion	Ratio	Lower	Upper
65	100		
67	50.0	0.0	100.8



Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MSD

Manual Integrations
APPROVED

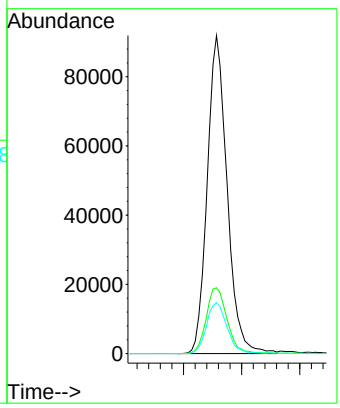
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

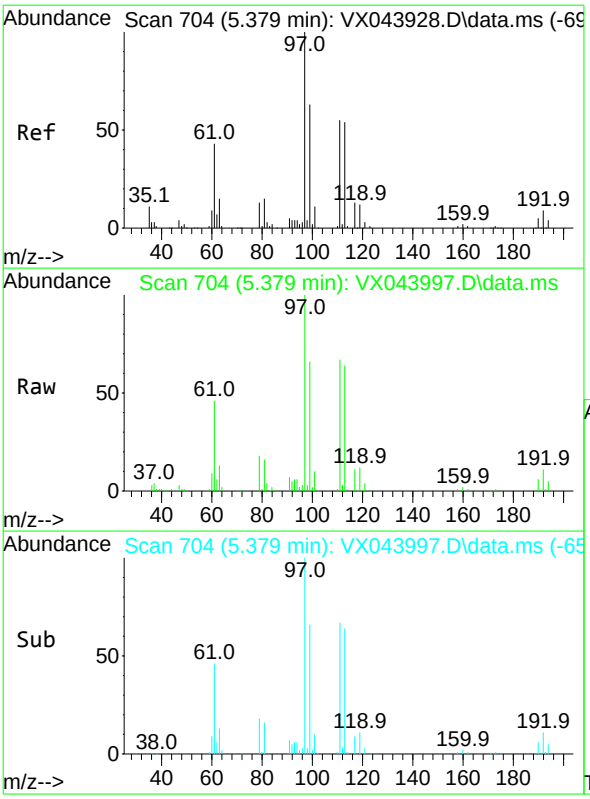


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion:114 Resp: 218255

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	44.0
88	16.0	0.0	32.4





#35
Dibromofluoromethane
Concen: 53.809 ug/l
RT: 5.379 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

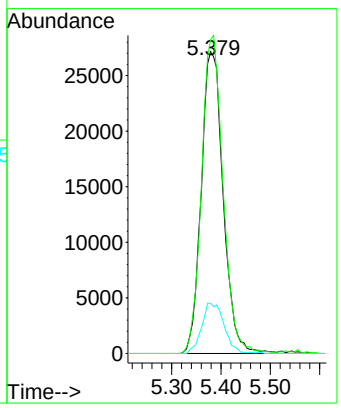
Tgt Ion:113 Resp: 83918

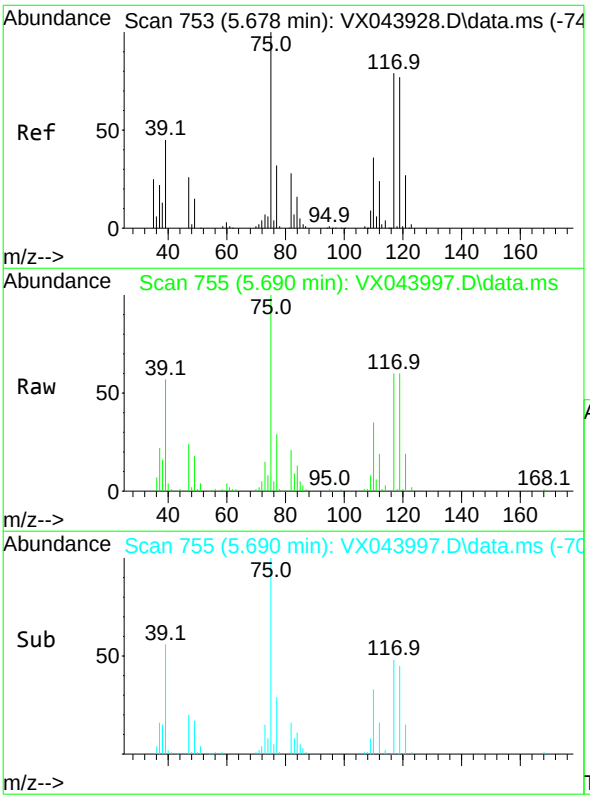
Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.0	121.4
192	17.0	13.0	19.6

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MSD

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

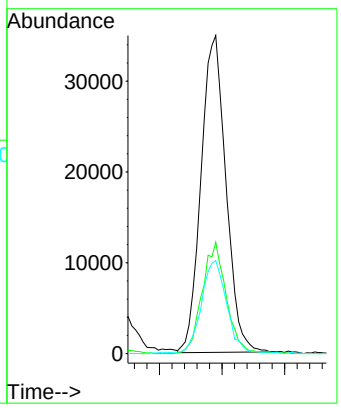


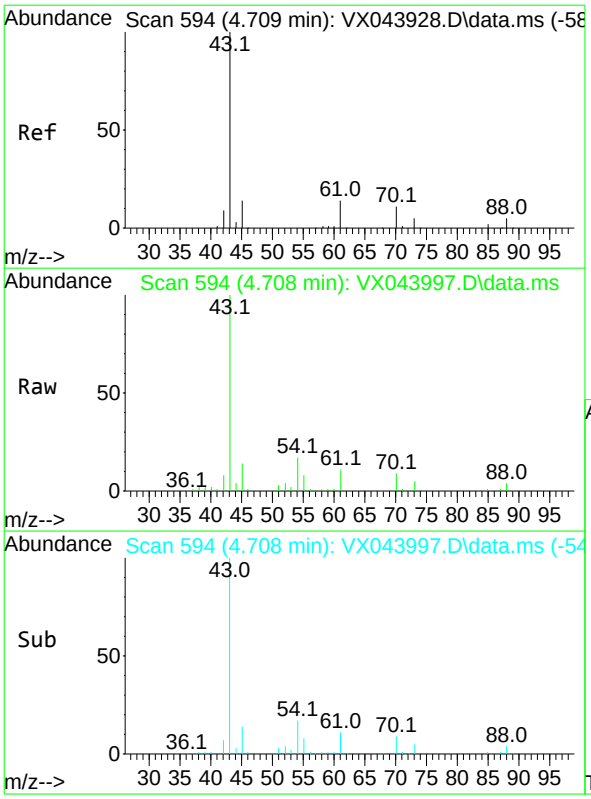


#36
1,1-Dichloropropene
Concen: 49.684 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.012 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion: 75 Resp: 96555

Ion	Ratio	Lower	Upper
75	100		
110	33.9	17.4	52.2
77	30.3	25.8	38.8





#37
Ethyl Acetate
Concen: 46.001 ug/l
RT: 4.708 min Scan# 59
Delta R.T. -0.000 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

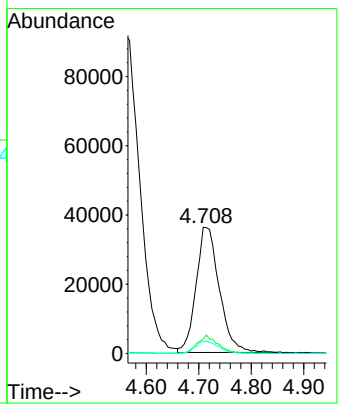
Tgt Ion: 43 Resp: 110971

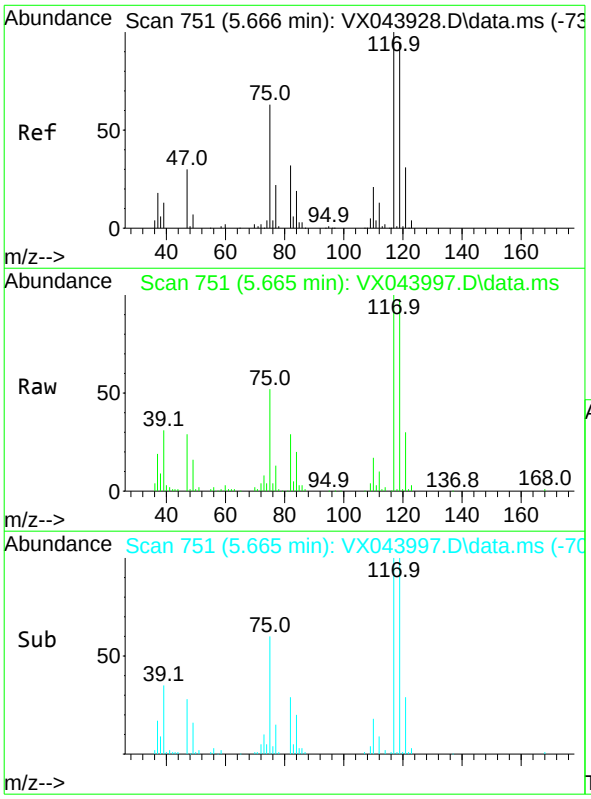
Ion	Ratio	Lower	Upper
43	100		
61	12.3	10.7	16.1
70	9.7	8.0	12.0

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MSD

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

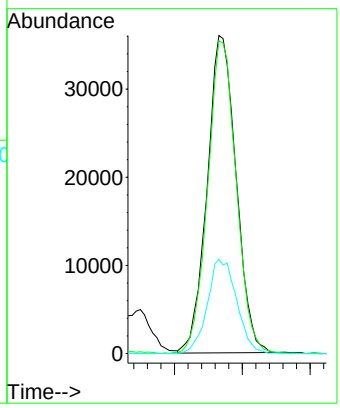


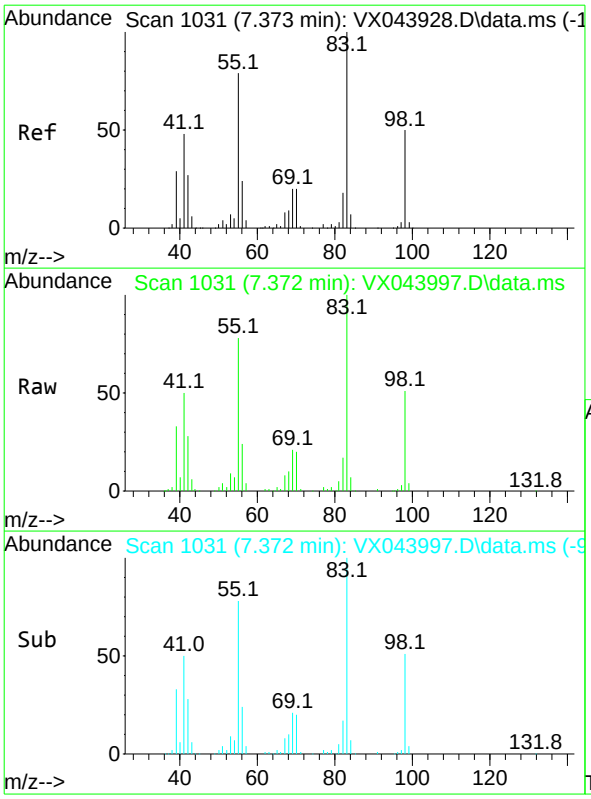


#38
Carbon Tetrachloride
Concen: 48.870 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.000 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion:117 Resp: 106716

Ion	Ratio	Lower	Upper
117	100		
119	98.3	75.2	112.8
121	29.7	24.5	36.7

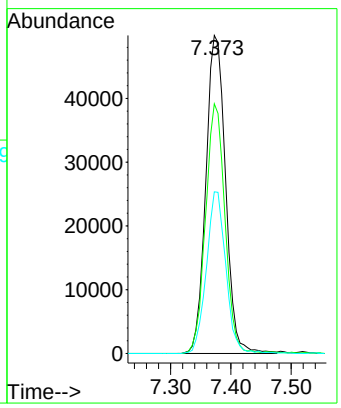




#39
Methylcyclohexane
Concen: 44.937 ug/l
RT: 7.372 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion: 83 Resp: 113452

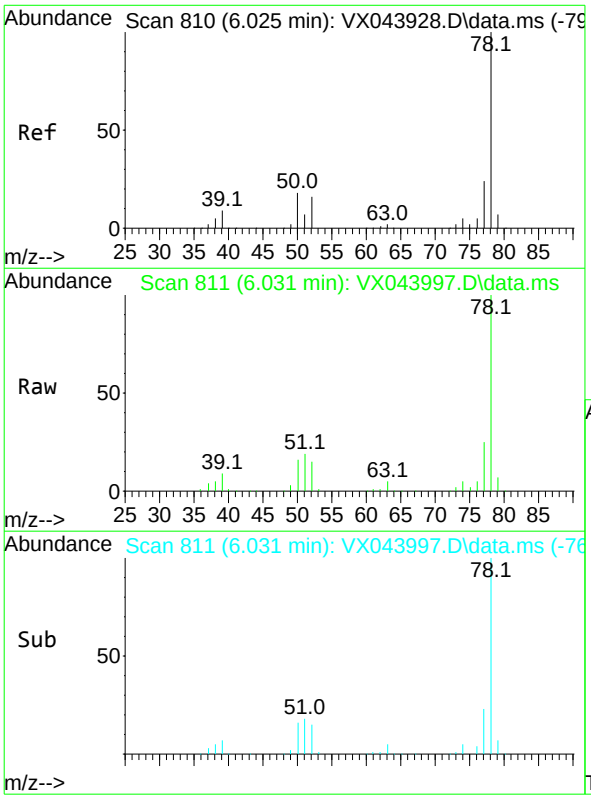
Ion	Ratio	Lower	Upper
83	100		
55	78.5	63.1	94.7
98	50.8	40.0	60.0



Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MSD

Manual Integrations
APPROVED

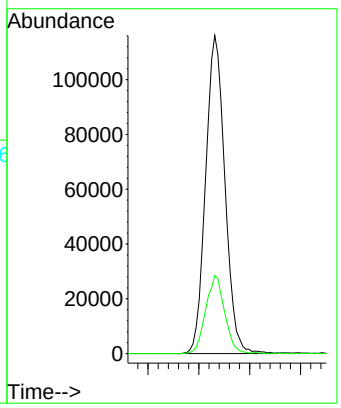
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

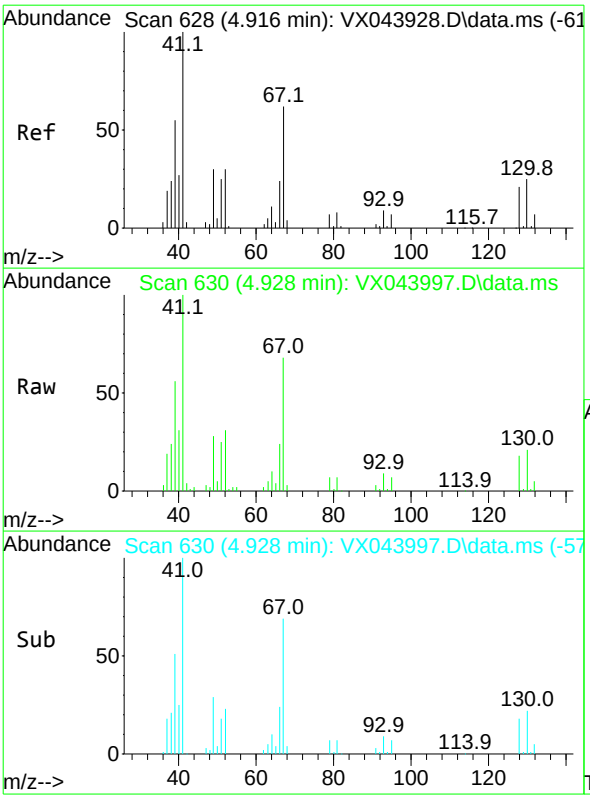


#40
Benzene
Concen: 50.575 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion: 78 Resp: 306158

Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.2	28.8

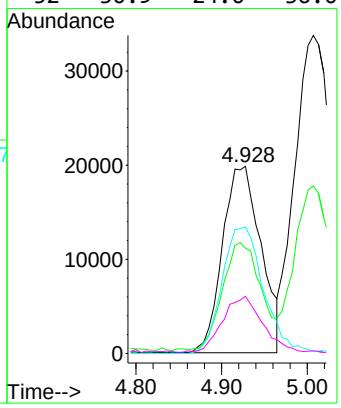




#41
Methacrylonitrile
Concen: 50.222 ug/l
RT: 4.928 min Scan# 63
Delta R.T. 0.012 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion: 41 Resp: 62008

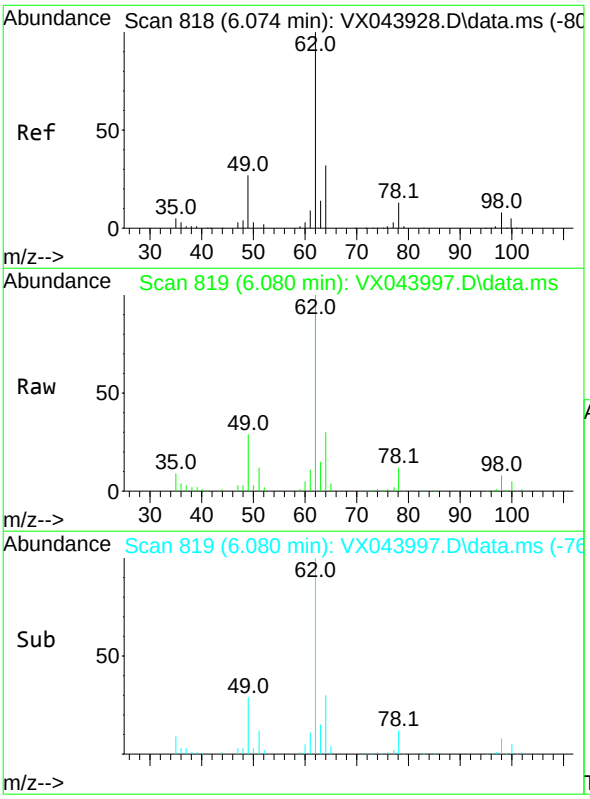
Ion	Ratio	Lower	Upper
41	100		
39	57.3	41.7	62.5
67	73.3	55.8	83.8
52	30.9	24.0	36.0



Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MSD

Manual Integrations
APPROVED

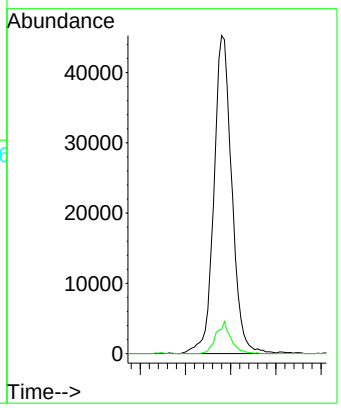
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

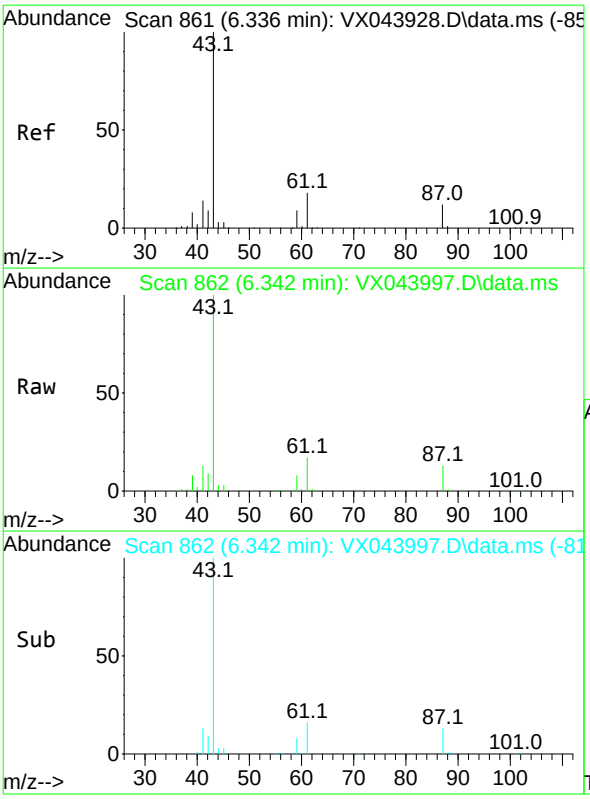


#42
1,2-Dichloroethane
Concen: 51.287 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.006 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion: 62 Resp: 124690

Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.4





#43
Isopropyl Acetate
Concen: 49.626 ug/l
RT: 6.342 min Scan# 86
Delta R.T. 0.006 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

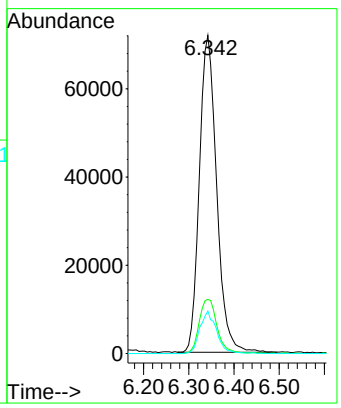
Tgt Ion: 43 Resp: 190522

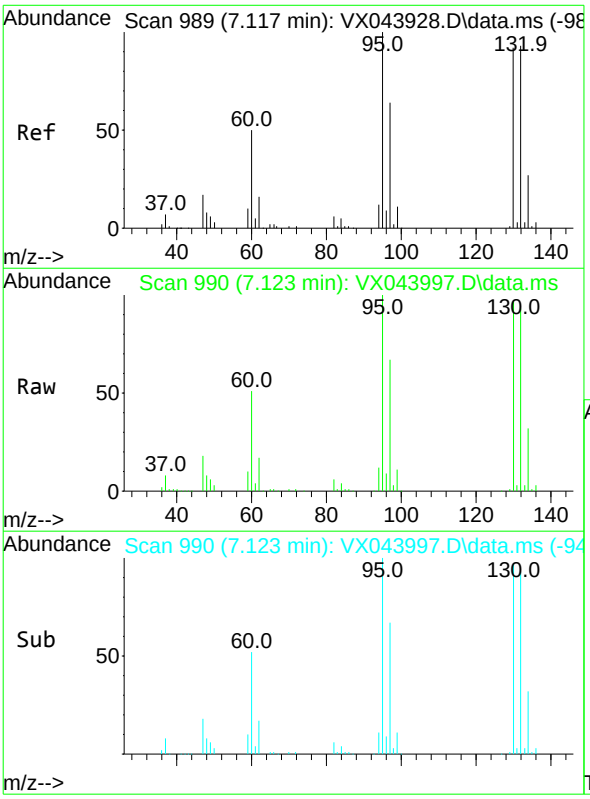
Ion	Ratio	Lower	Upper
43	100		
61	17.6	14.5	21.7
87	12.9	10.2	15.2

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MSD

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

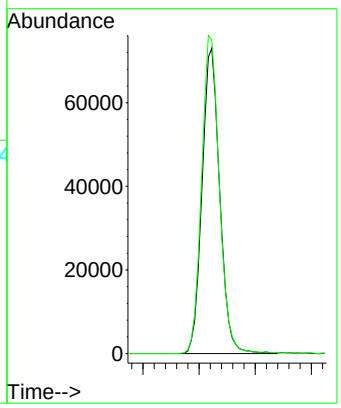


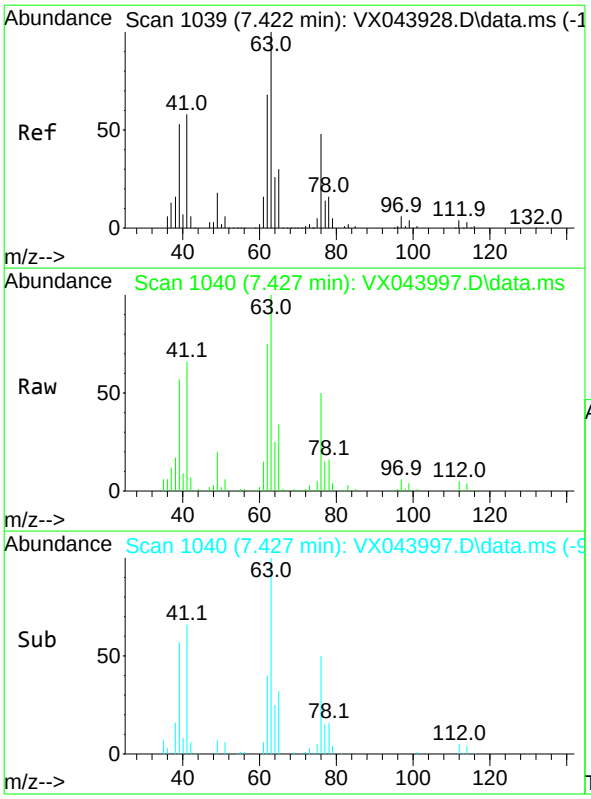


#44
Trichloroethene
Concen: 93.134 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion:130 Resp: 159601

Ion	Ratio	Lower	Upper
130	100		
95	102.8	0.0	217.8

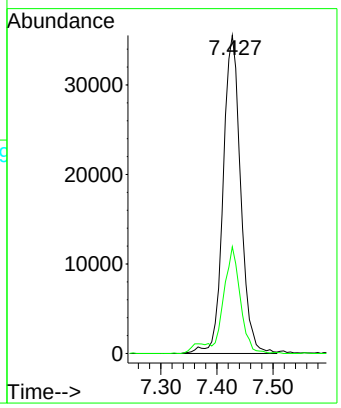




#45
1,2-Dichloropropane
Concen: 52.104 ug/l
RT: 7.427 min Scan# 10
Delta R.T. 0.006 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion: 63 Resp: 77252

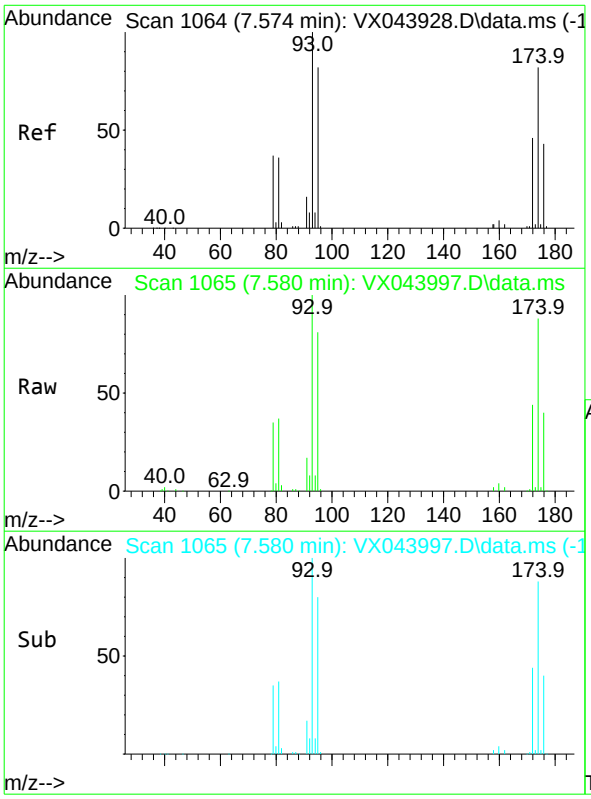
Ion	Ratio	Lower	Upper
63	100		
65	33.6	23.8	35.6



Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MSD

Manual Integrations
APPROVED

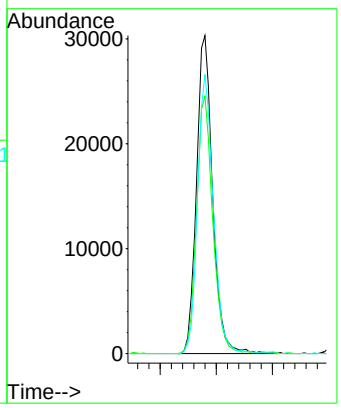
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

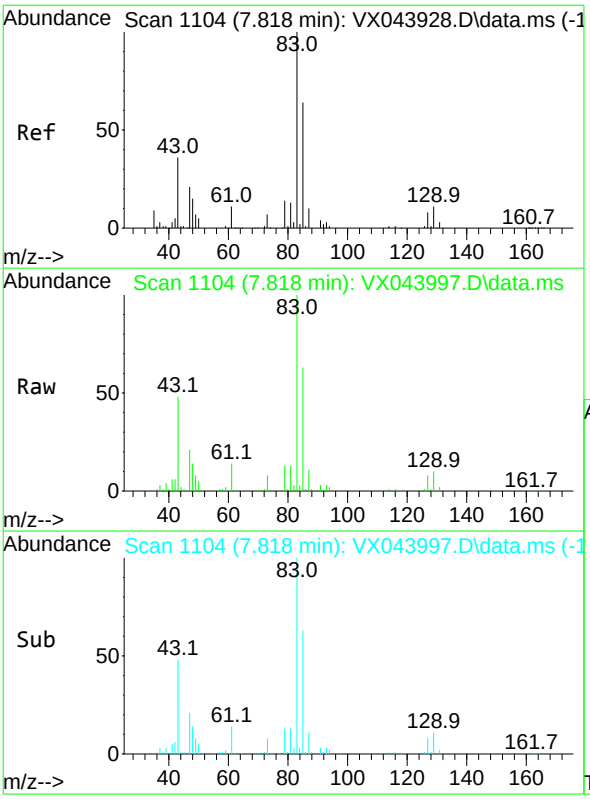


#46
Dibromomethane
Concen: 51.652 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion: 93 Resp: 60579

Ion	Ratio	Lower	Upper
93	100		
95	81.5	66.2	99.4
174	86.6	69.6	104.4

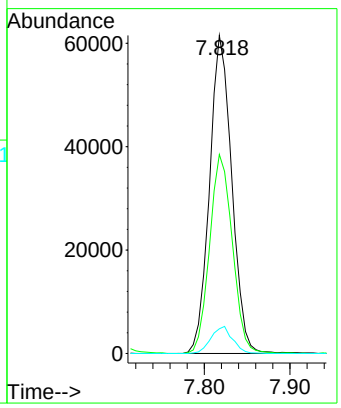




#47
Bromodichloromethane
Concen: 52.735 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion: 83 Resp: 110925

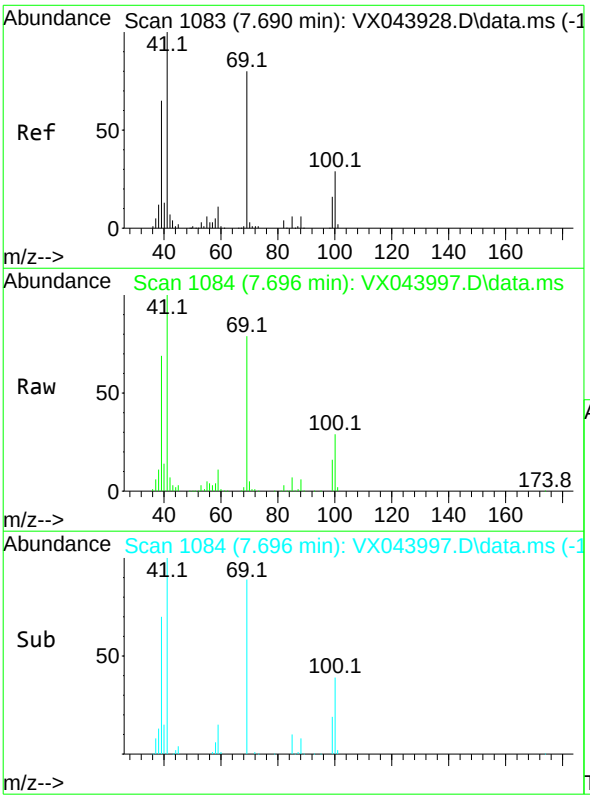
Ion	Ratio	Lower	Upper
83	100		
85	62.6	51.4	77.0
127	7.8	6.6	10.0



Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MSD

Manual Integrations
APPROVED

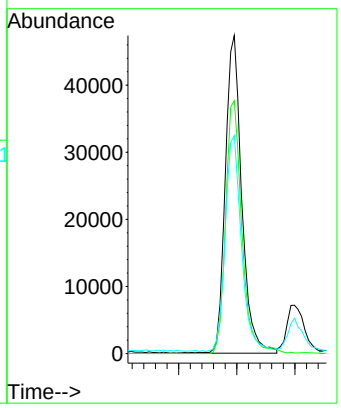
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

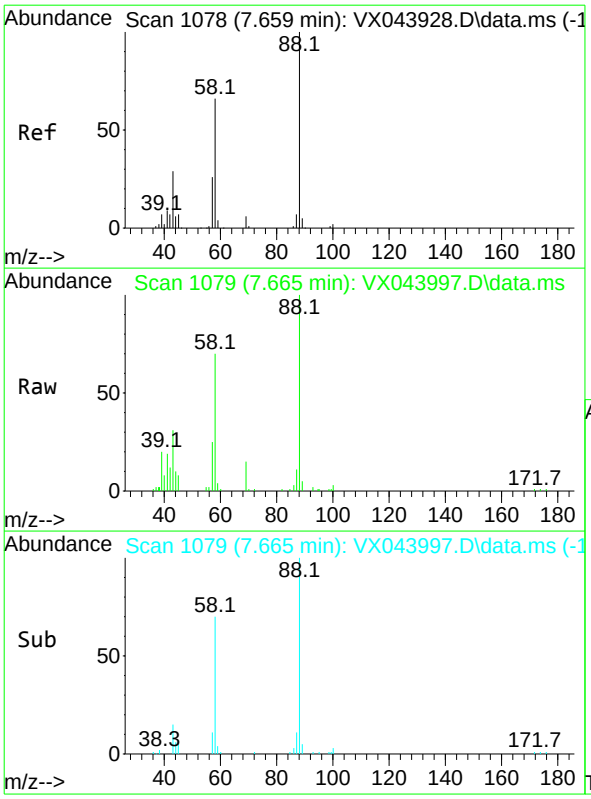


#48
Methyl methacrylate
Concen: 50.385 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion: 41 Resp: 92817

Ion	Ratio	Lower	Upper
41	100		
69	78.7	64.6	97.0
39	67.3	53.3	79.9





#49
1,4-Dioxane
Concen: 815.305 ug/l
RT: 7.665 min Scan# 10
Delta R.T. 0.006 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

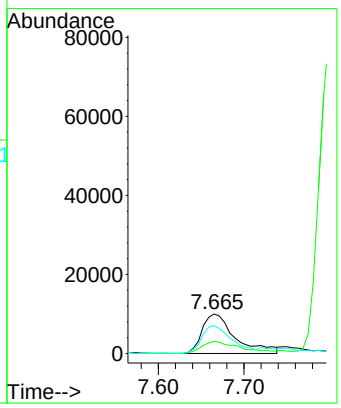
Tgt Ion: 88 Resp: 26754

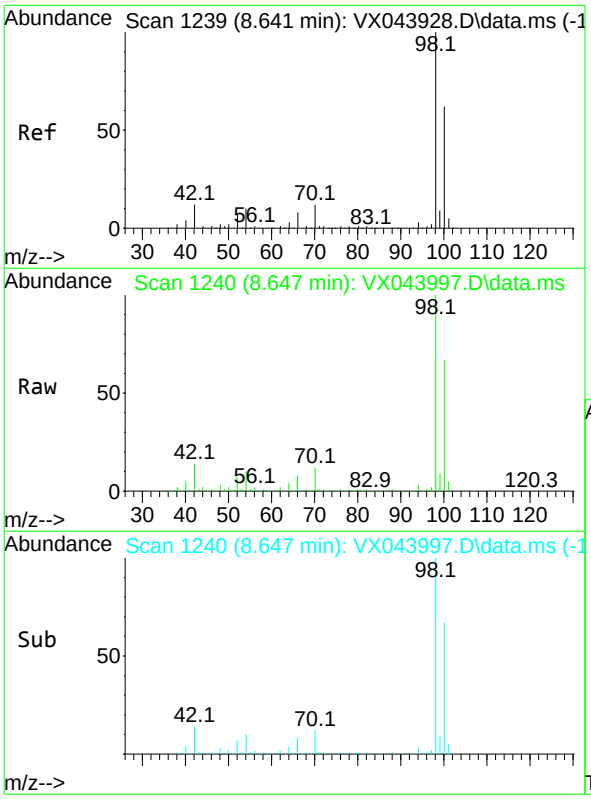
Ion	Ratio	Lower	Upper
88	100		
43	34.1	26.8	40.2
58	64.1	45.4	68.2

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MSD

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

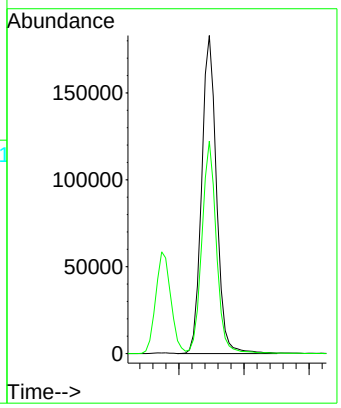


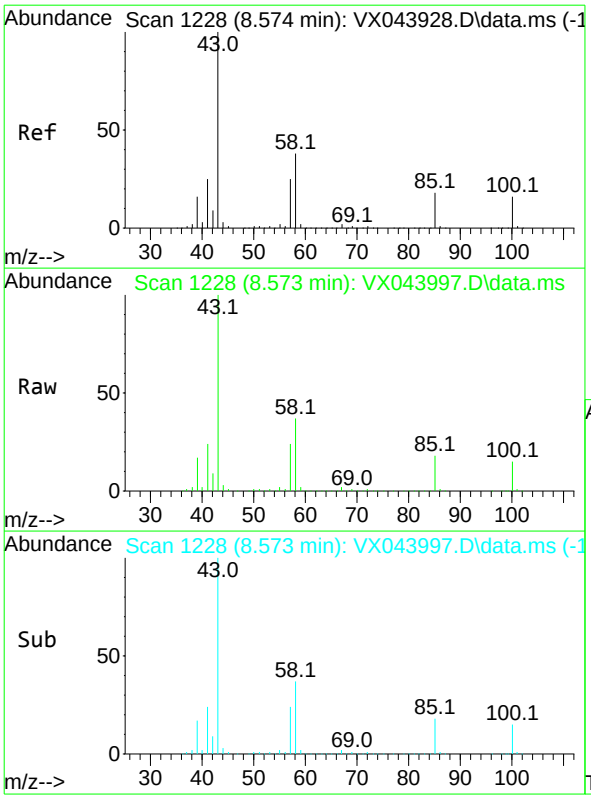


#50
Toluene-d8
Concen: 53.974 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion: 98 Resp: 290156

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.6	79.0

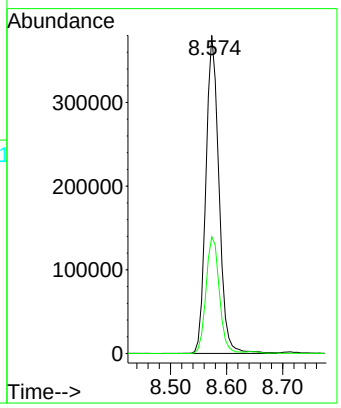




#51
4-Methyl-2-Pentanone
Concen: 262.523 ug/l
RT: 8.573 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion: 43 Resp: 615048

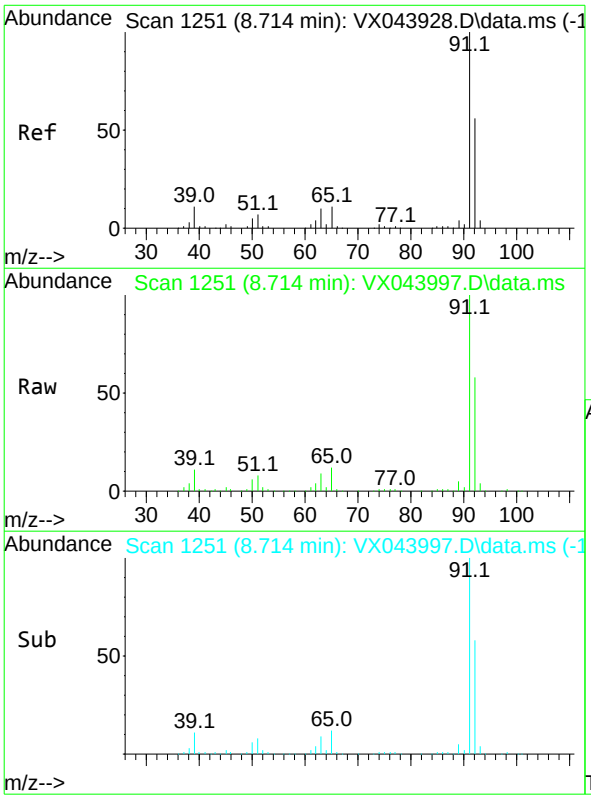
Ion	Ratio	Lower	Upper
43	100		
58	37.4	30.0	45.0



Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MSD

Manual Integrations
APPROVED

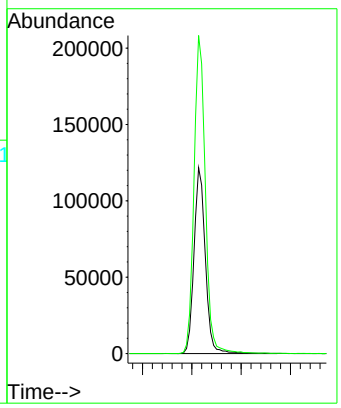
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

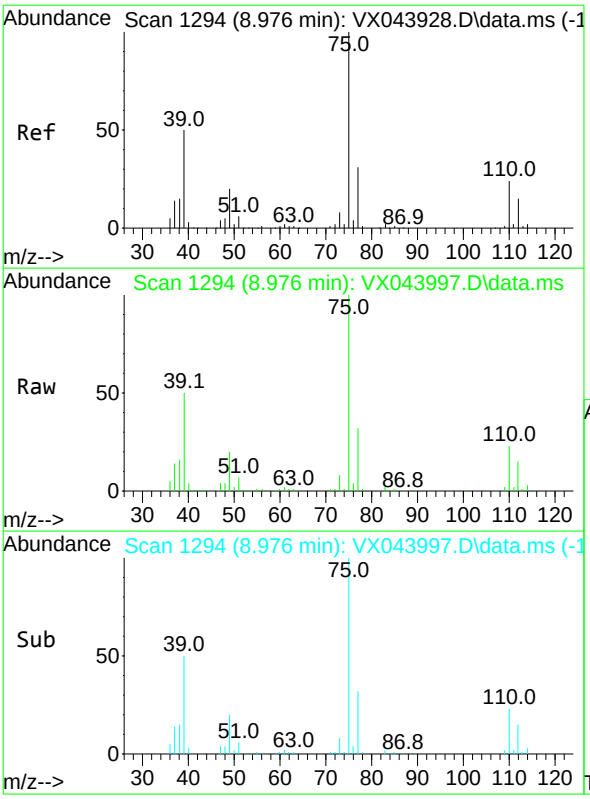


#52
Toluene
Concen: 53.457 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion: 92 Resp: 193684

Ion	Ratio	Lower	Upper
92	100		
91	171.1	139.7	209.5

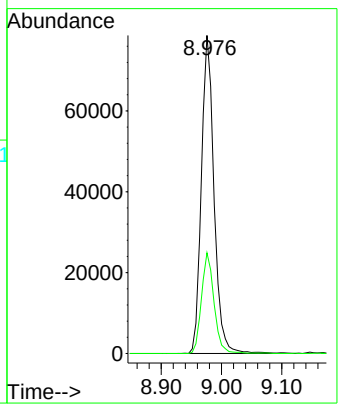




#53
t-1,3-Dichloropropene
Concen: 53.404 ug/l
RT: 8.976 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion: 75 Resp: 114552

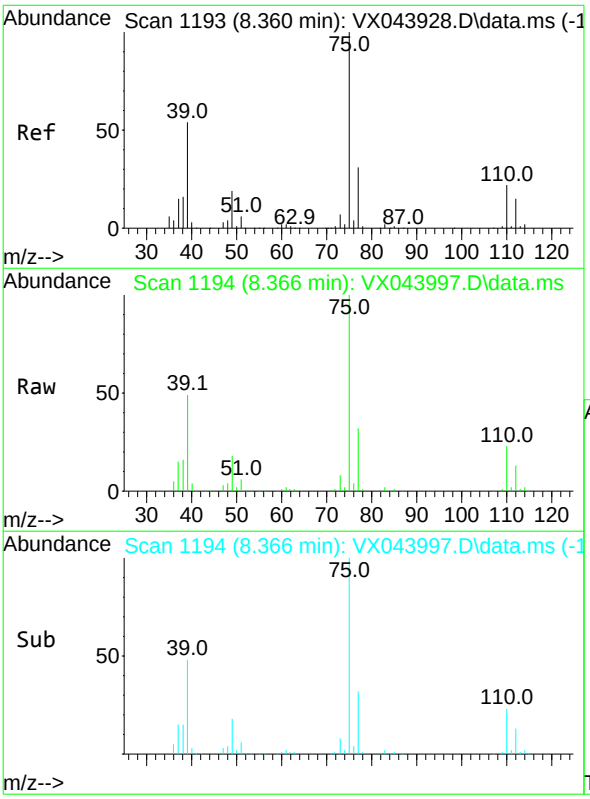
Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MSD

Manual Integrations
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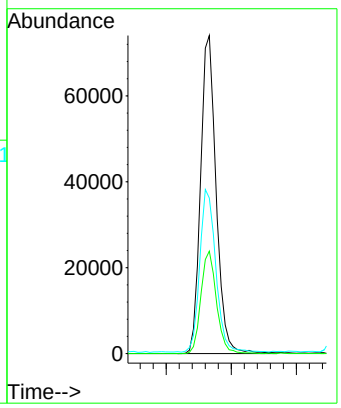
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

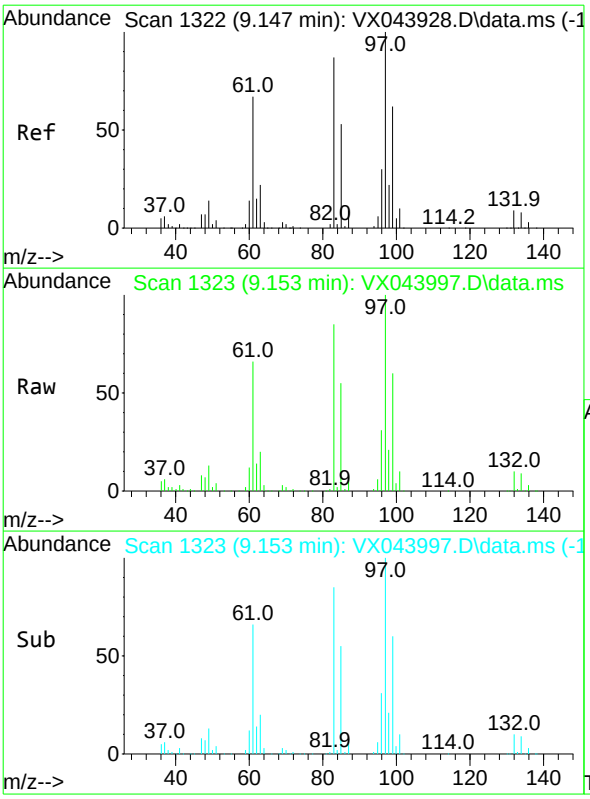


#54
cis-1,3-Dichloropropene
Concen: 52.342 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion: 75 Resp: 123080

Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.2	37.8
39	48.3	43.1	64.7

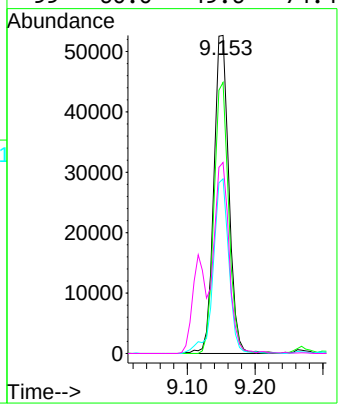




#55
1,1,2-Trichloroethane
Concen: 54.268 ug/l
RT: 9.153 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion: 97 Resp: 81166

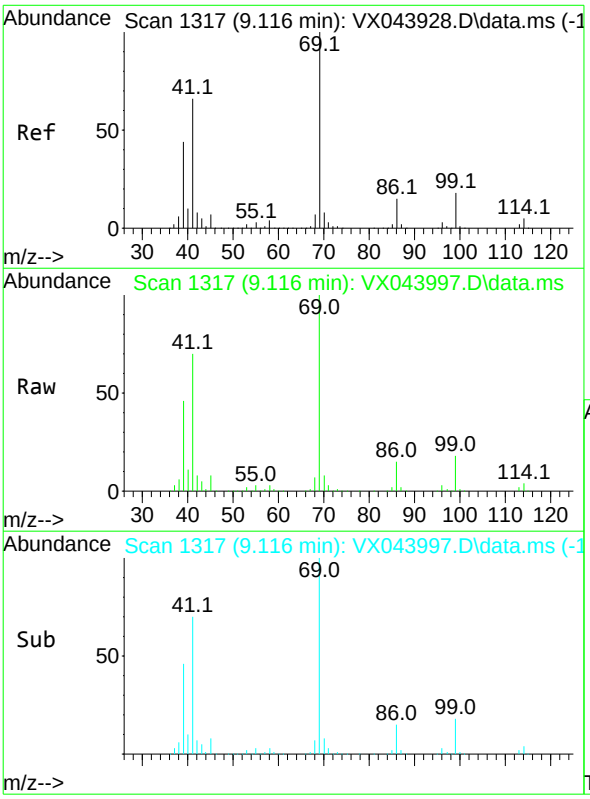
Ion	Ratio	Lower	Upper
97	100		
83	85.2	69.4	104.0
85	54.9	42.3	63.5
99	60.0	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MSD

Manual Integrations
APPROVED

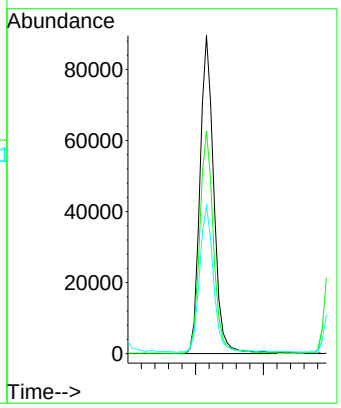
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

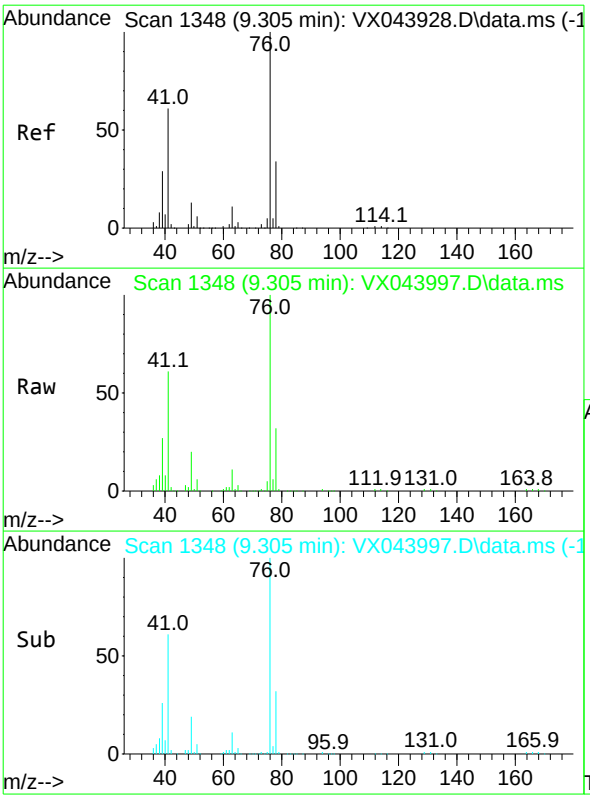


#56
Ethyl methacrylate
Concen: 54.410 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion: 69 Resp: 126753

Ion	Ratio	Lower	Upper
69	100		
41	69.7	55.8	83.8
39	46.2	36.7	55.1





#57
1,3-Dichloropropane
Concen: 53.824 ug/l
RT: 9.305 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

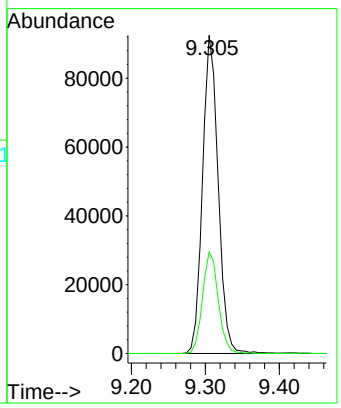
Tgt Ion: 76 Resp: 135608

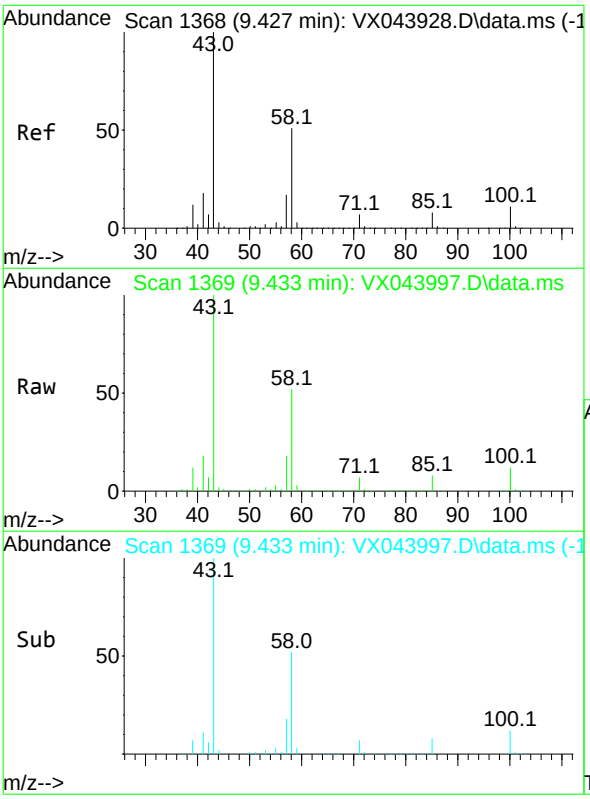
Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.0	39.0

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MSD

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

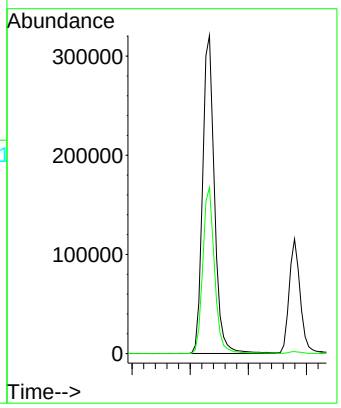


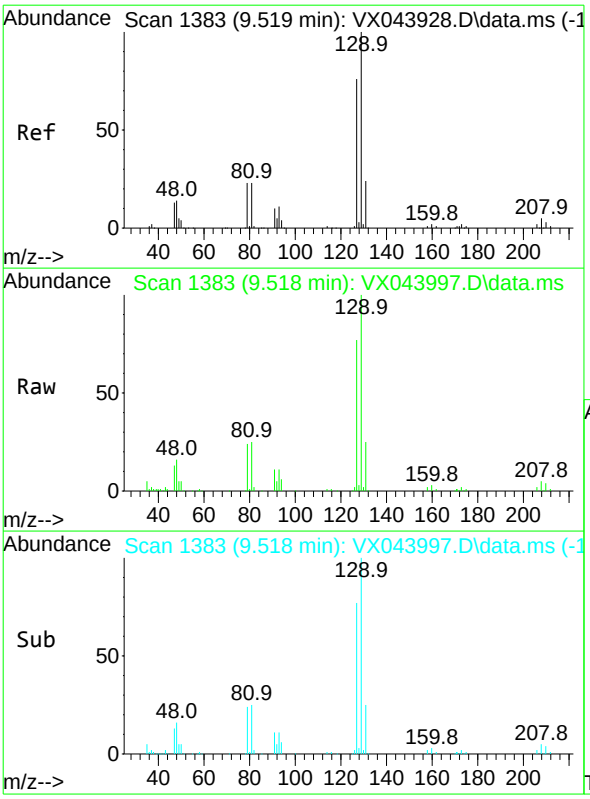


#59
2-Hexanone
Concen: 258.333 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.006 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion: 43 Resp: 454908

Ion	Ratio	Lower	Upper
43	100		
58	51.9	25.9	77.6

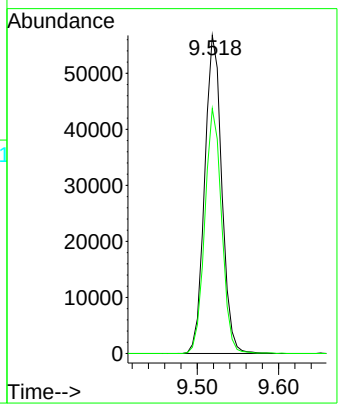




#60
Dibromochloromethane
Concen: 55.085 ug/l
RT: 9.518 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion:129 Resp: 82662

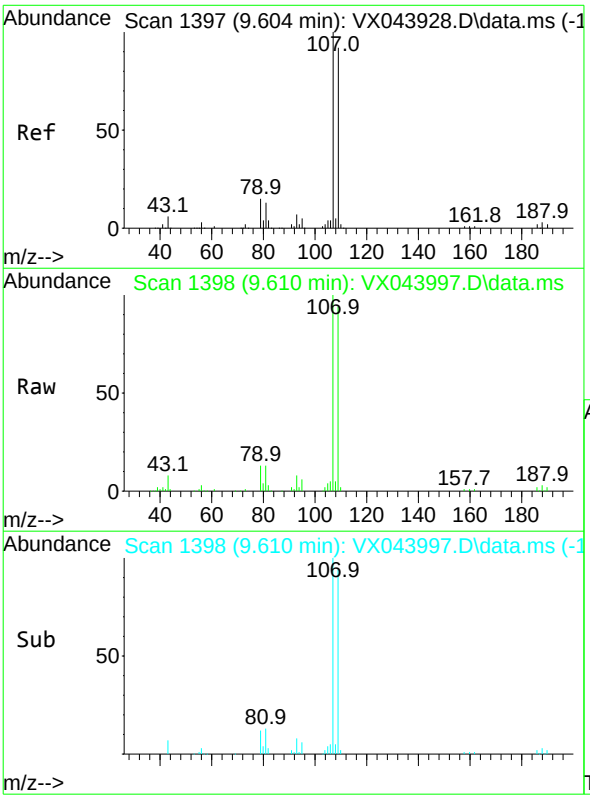
Ion	Ratio	Lower	Upper
129	100		
127	76.0	38.2	114.6



Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MSD

Manual Integrations
APPROVED

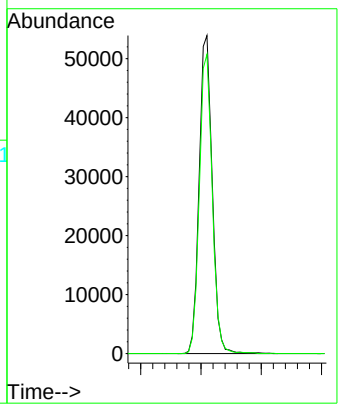
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

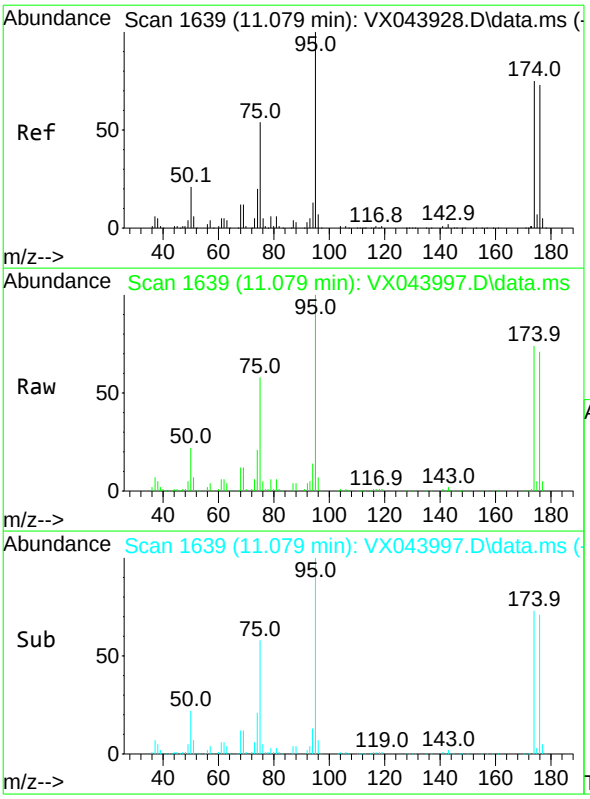


#61
1,2-Dibromoethane
Concen: 53.552 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion:107 Resp: 80988

Ion	Ratio	Lower	Upper
107	100		
109	93.3	75.2	112.8





#62
4-Bromofluorobenzene
Concen: 54.847 ug/l
RT: 11.079 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

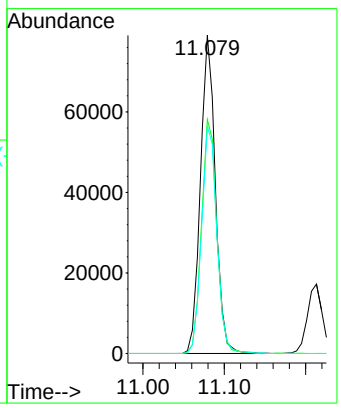
Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MSD

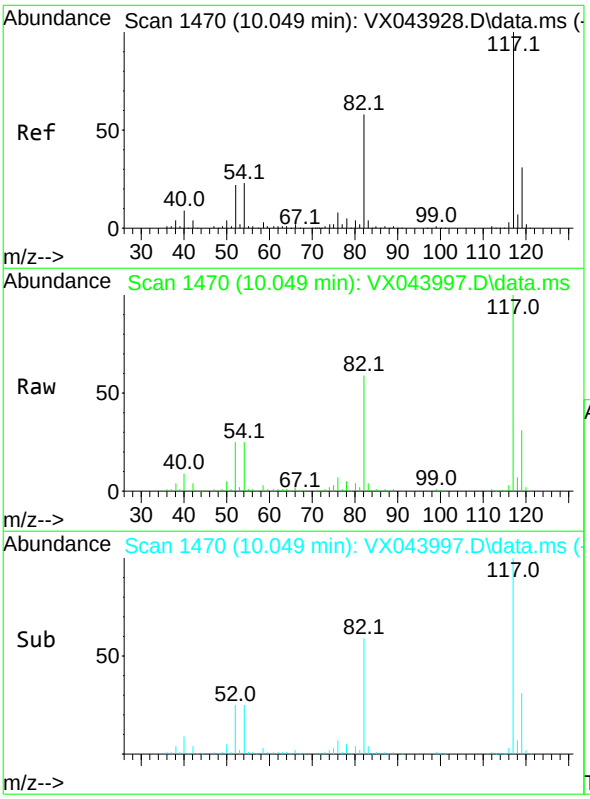
Tgt Ion: 95 Resp: 100346

Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	150.4
176	73.4	0.0	146.0

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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

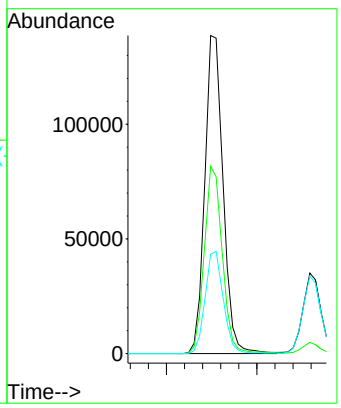


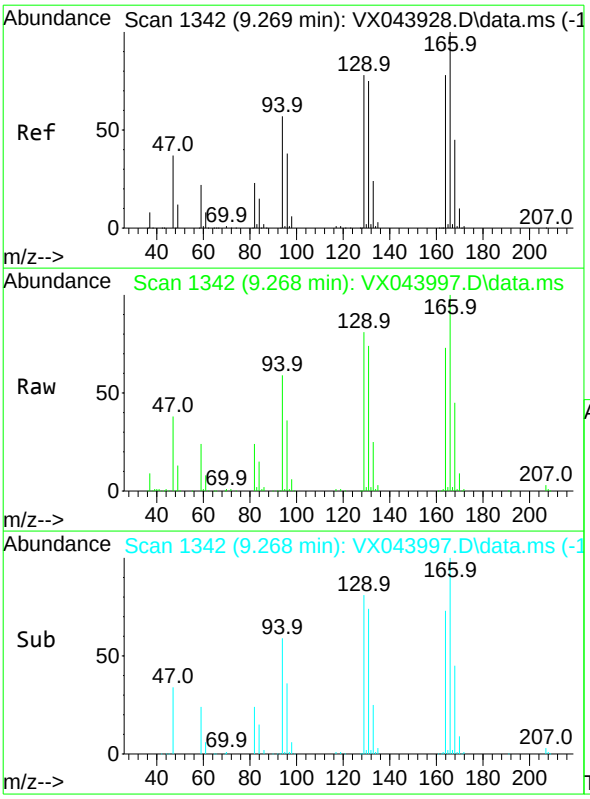


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion:117 Resp: 194980

Ion	Ratio	Lower	Upper
117	100		
82	58.9	46.4	69.6
119	31.3	24.6	37.0

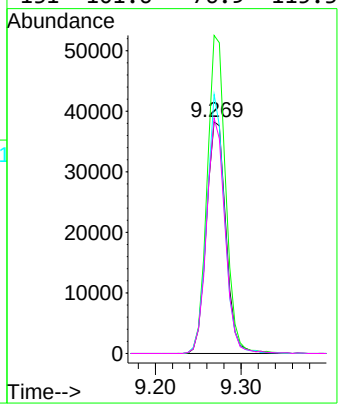




#64
Tetrachloroethene
Concen: 46.892 ug/l
RT: 9.268 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion:164 Resp: 60288

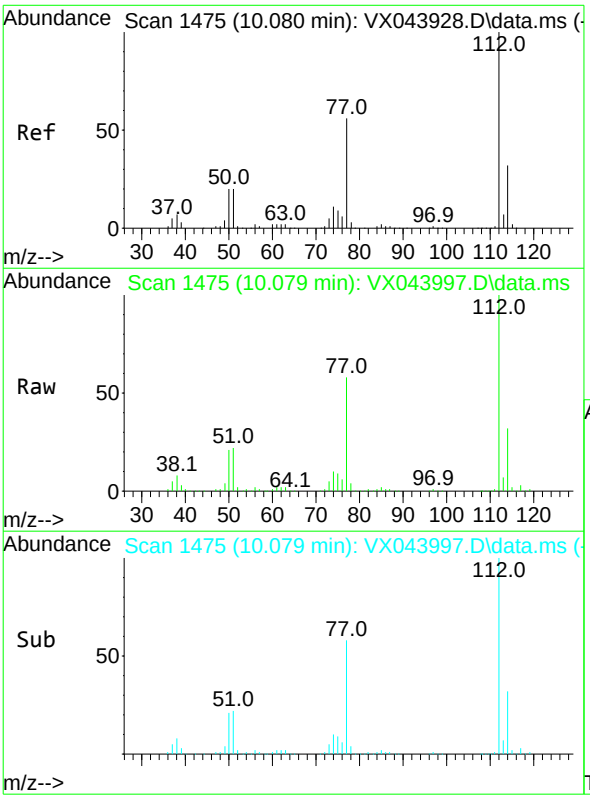
Ion	Ratio	Lower	Upper
164	100		
166	137.3	102.1	153.1
129	111.8	79.6	119.4
131	101.6	76.9	115.3



Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MSD

Manual Integrations
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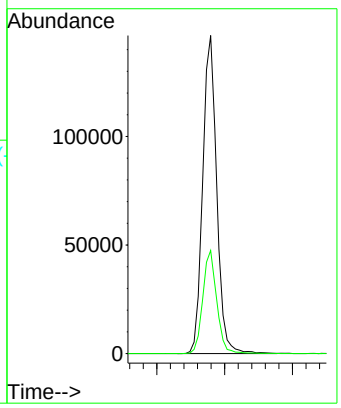
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

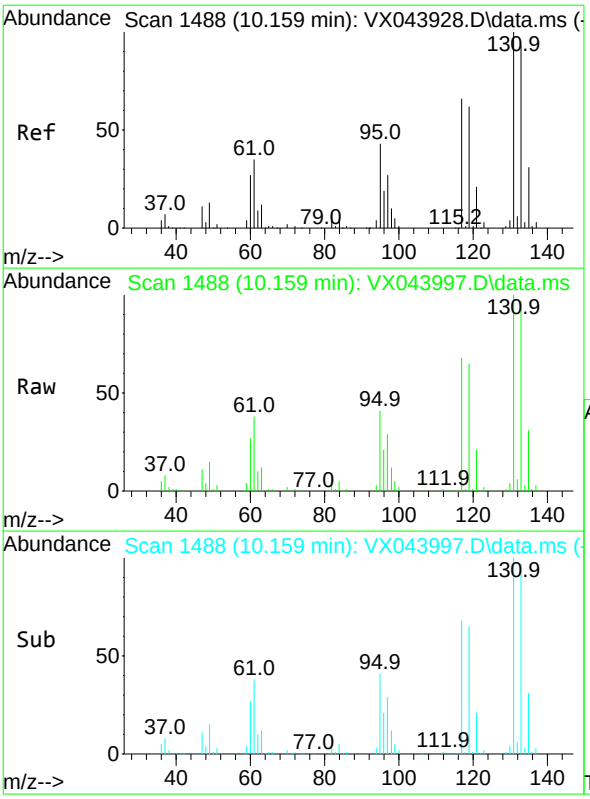


#65
Chlorobenzene
Concen: 48.944 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion:112 Resp: 209596

Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.4	38.0





#66
1,1,1,2-Tetrachloroethane
Concen: 52.882 ug/l
RT: 10.159 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

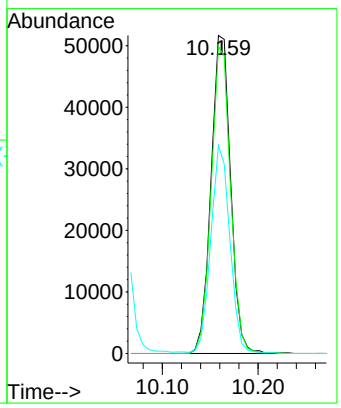
Tgt Ion:131 Resp: 73443

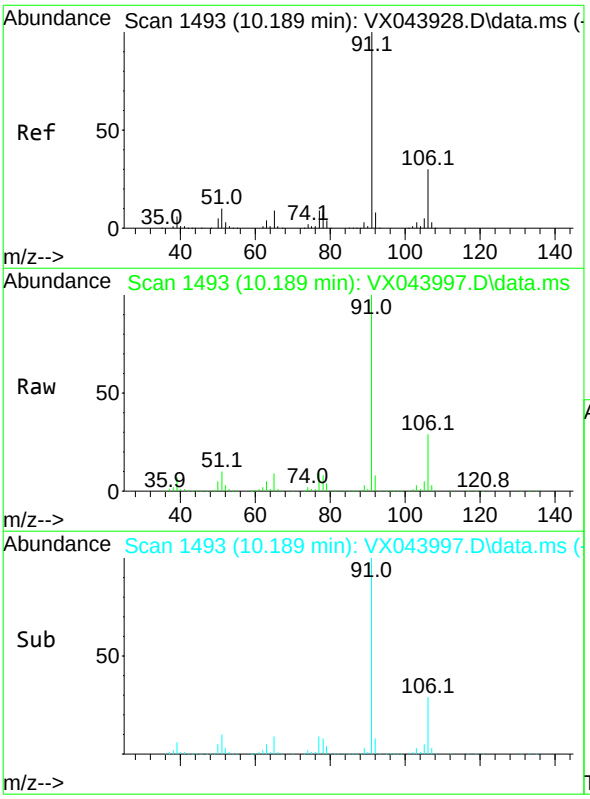
Ion	Ratio	Lower	Upper
131	100		
133	95.2	48.2	144.6
119	64.0	31.5	94.5

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MSD

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Supervised By :Semsettin Yesilyurt 11/26/2024

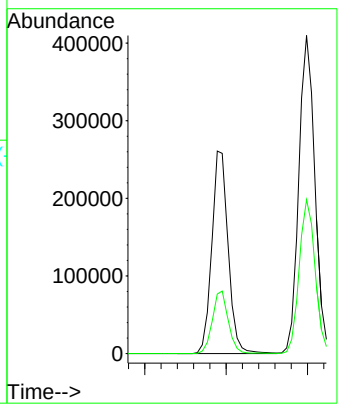


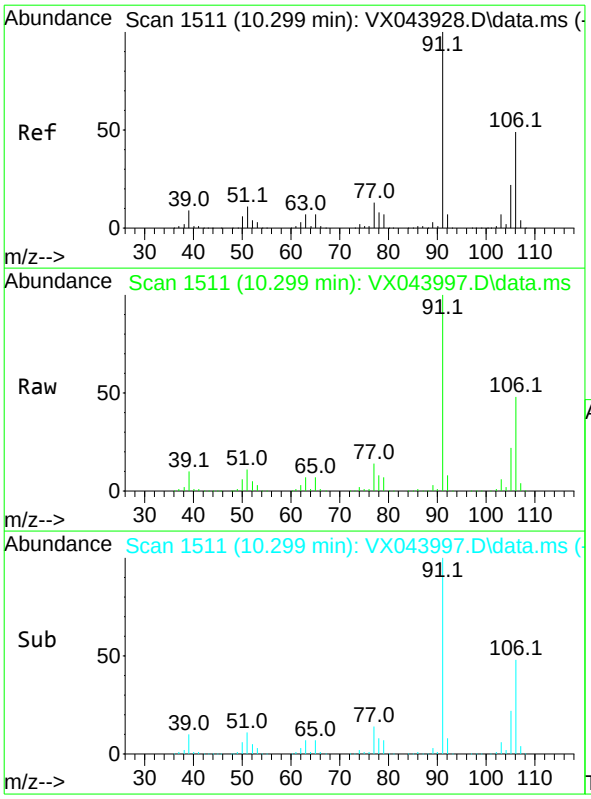


#67
Ethyl Benzene
Concen: 50.189 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. -0.000 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion: 91 Resp: 364191

Ion	Ratio	Lower	Upper
91	100		
106	29.4	23.6	35.4





#68
m/p-Xylenes
Concen: 100.308 ug/l
RT: 10.299 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

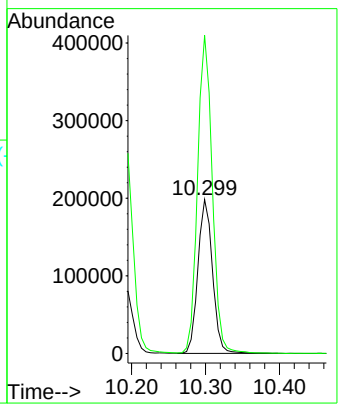
Tgt Ion:106 Resp: 271439

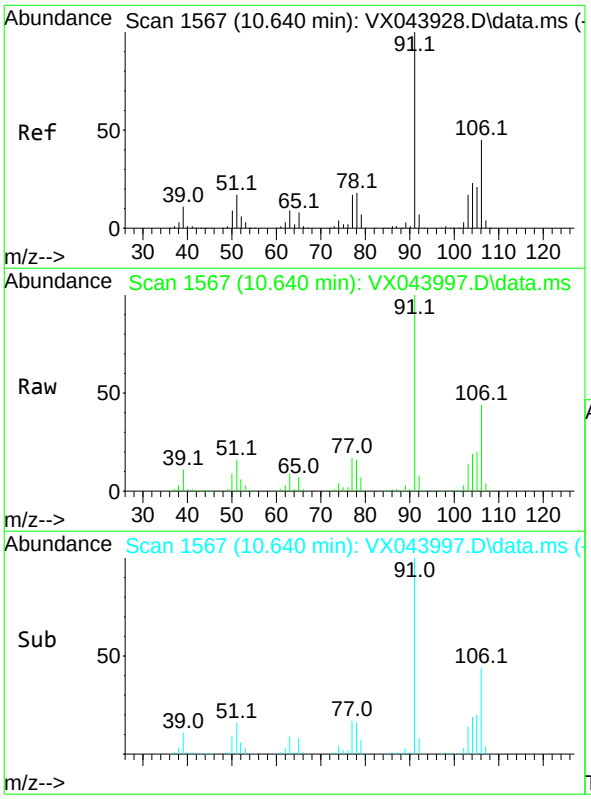
Ion	Ratio	Lower	Upper
106	100		
91	208.8	168.1	252.1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MSD

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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

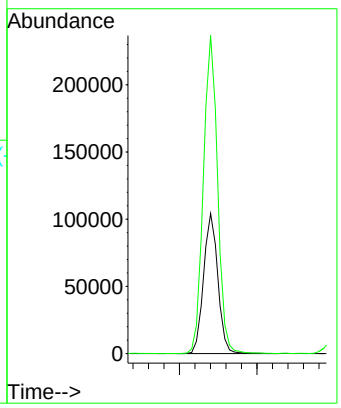


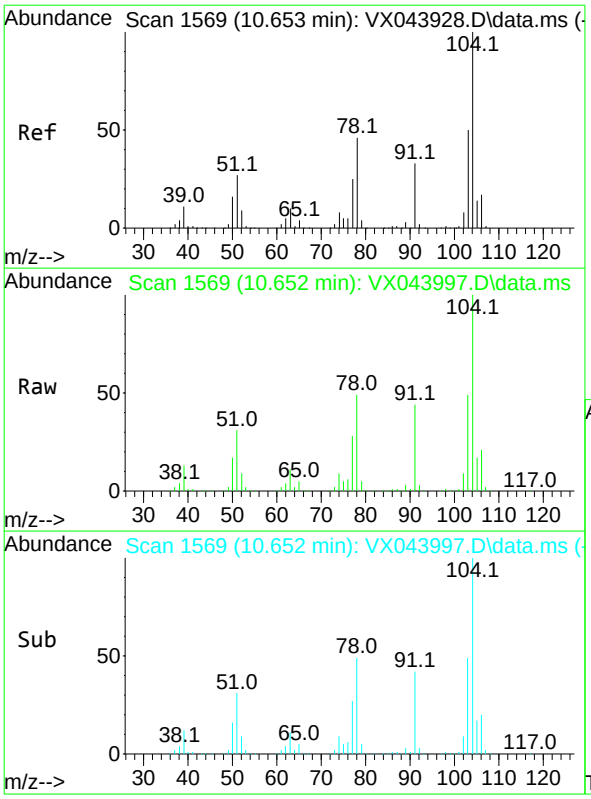


#69
o-Xylene
Concen: 50.405 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion:106 Resp: 133174

Ion	Ratio	Lower	Upper
106	100		
91	226.3	110.2	330.6

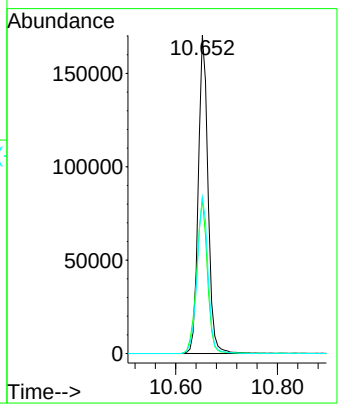




#70
Styrene
Concen: 51.793 ug/l
RT: 10.652 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion:104 Resp: 226330

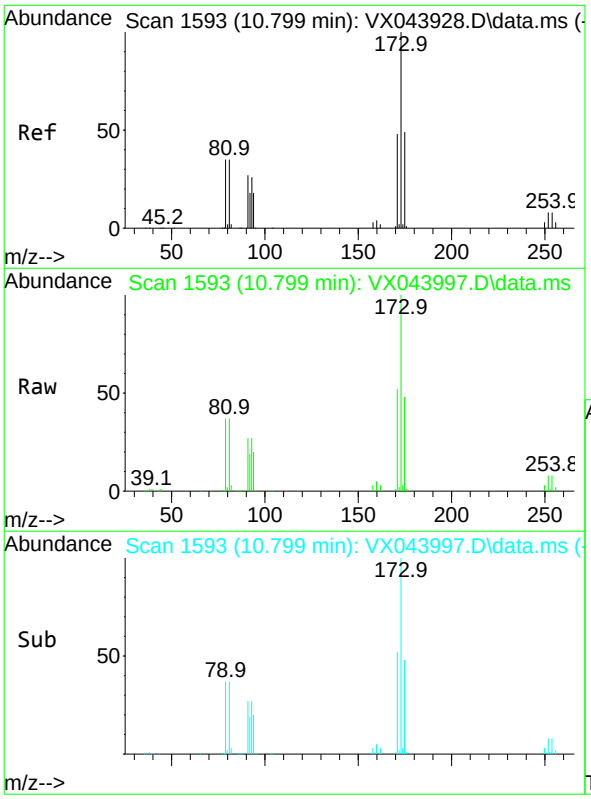
Ion	Ratio	Lower	Upper
104	100		
78	53.8	42.2	63.2
103	54.7	44.7	67.1



Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MSD

Manual Integrations
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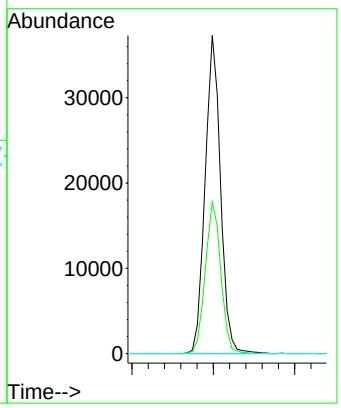
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

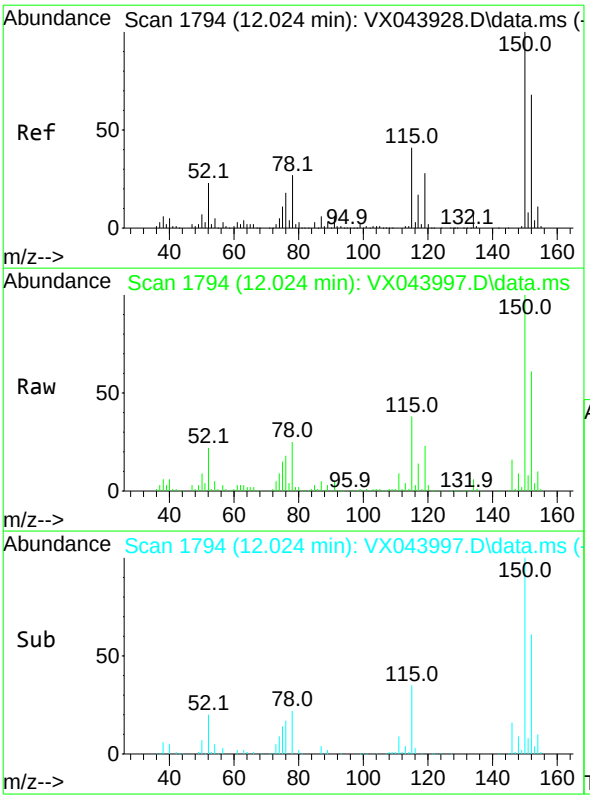


#71
Bromoform
Concen: 46.706 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion:173 Resp: 49025

Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.1	72.2
254	0.0	0.0	0.0





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

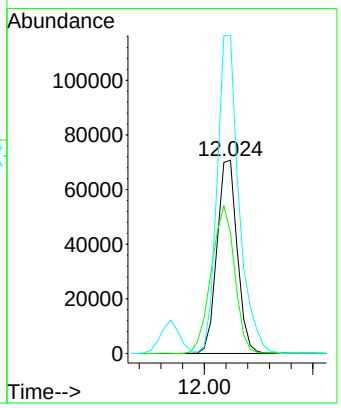
Tgt Ion:152 Resp: 91386

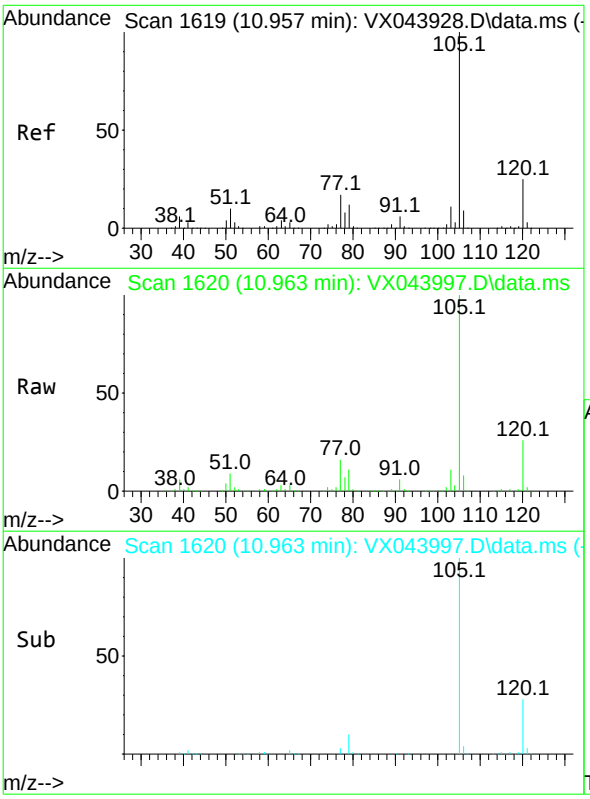
Ion	Ratio	Lower	Upper
152	100		
115	88.6	45.4	136.2
150	177.0	0.0	353.0

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MSD

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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

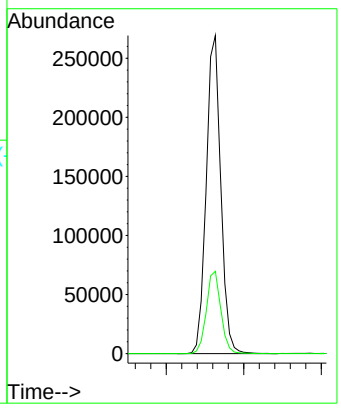


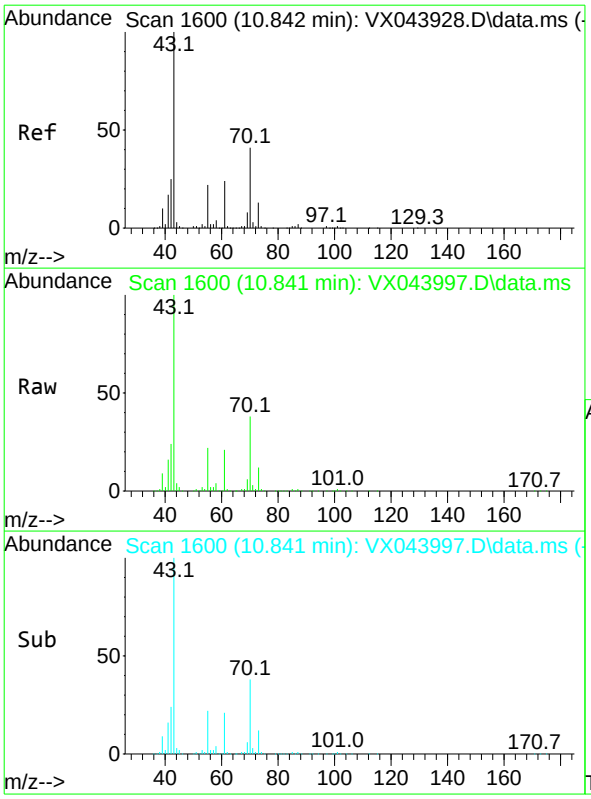


#73
Isopropylbenzene
Concen: 49.730 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion:105 Resp: 349342

Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.0	38.9





#74
N-amyl acetate
Concen: 49.945 ug/l
RT: 10.841 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

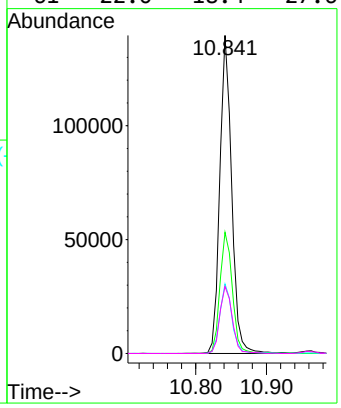
Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MSD

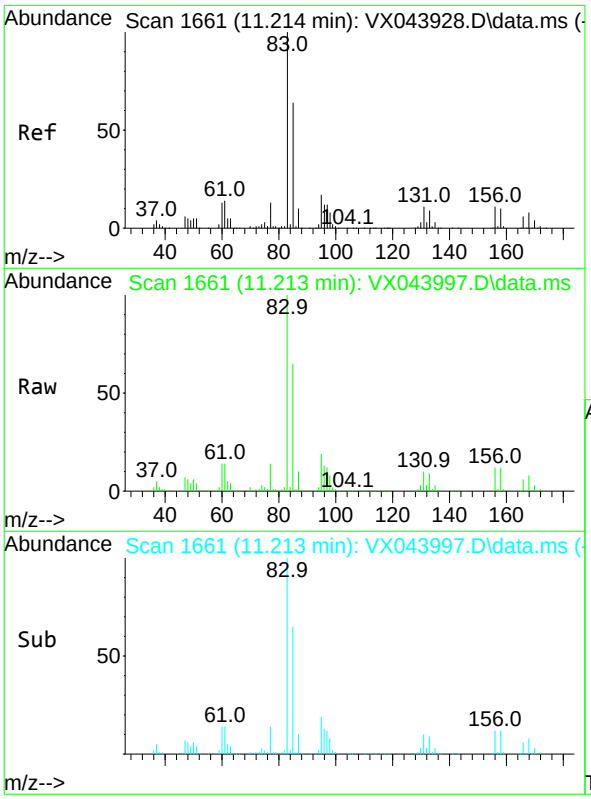
Tgt Ion: 43 Resp: 162532

Ion	Ratio	Lower	Upper
43	100		
70	40.0	32.2	48.2
55	22.7	18.1	27.1
61	22.0	18.4	27.6

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Supervised By :Semsettin Yesilyurt 11/26/2024

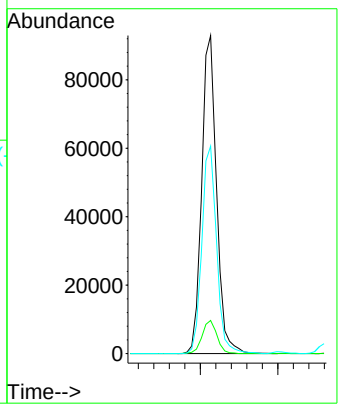


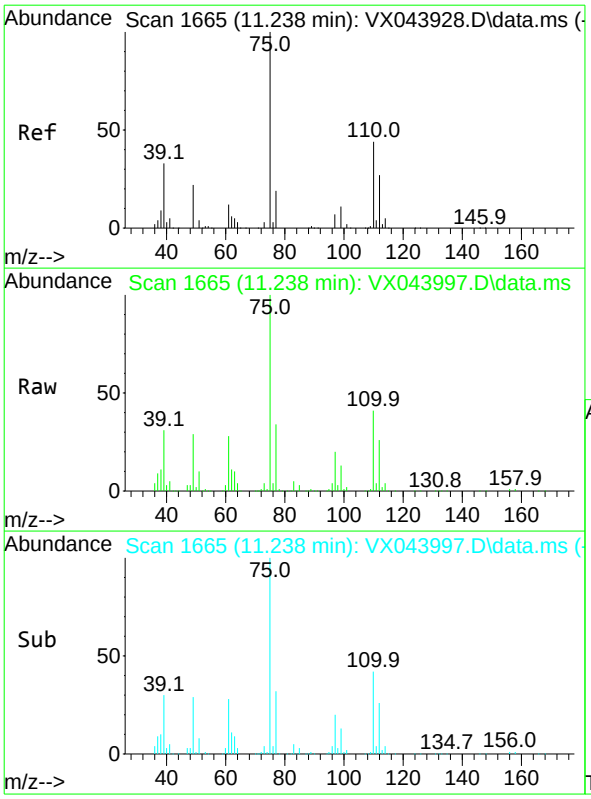


#75
1,1,2,2-Tetrachloroethane
Concen: 51.294 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. -0.000 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion: 83 Resp: 123380

Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.1	15.2
85	64.9	32.2	96.6





#76
1,2,3-Trichloropropane
Concen: 49.974 ug/l m
RT: 11.238 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

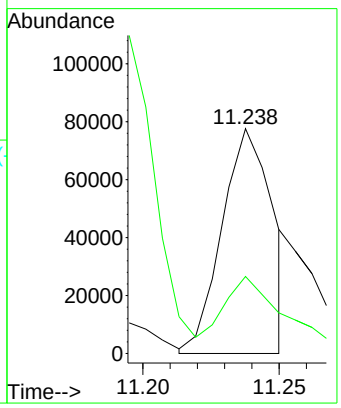
Tgt Ion: 75 Resp: 100151

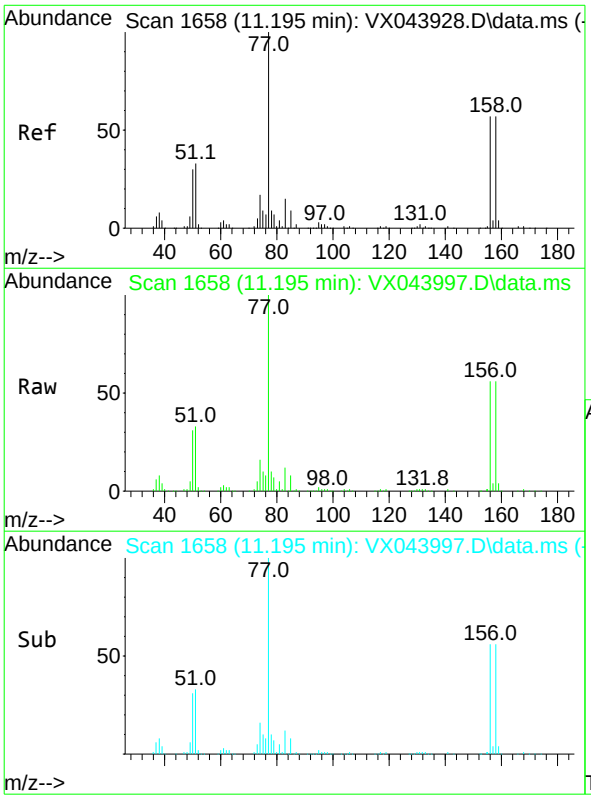
Ion	Ratio	Lower	Upper
75	100		
77	42.7	21.8	65.3

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MSD

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Supervised By :Semsettin Yesilyurt 11/26/2024

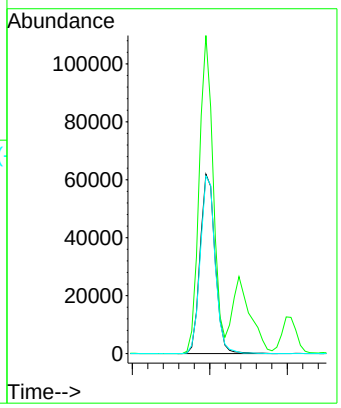


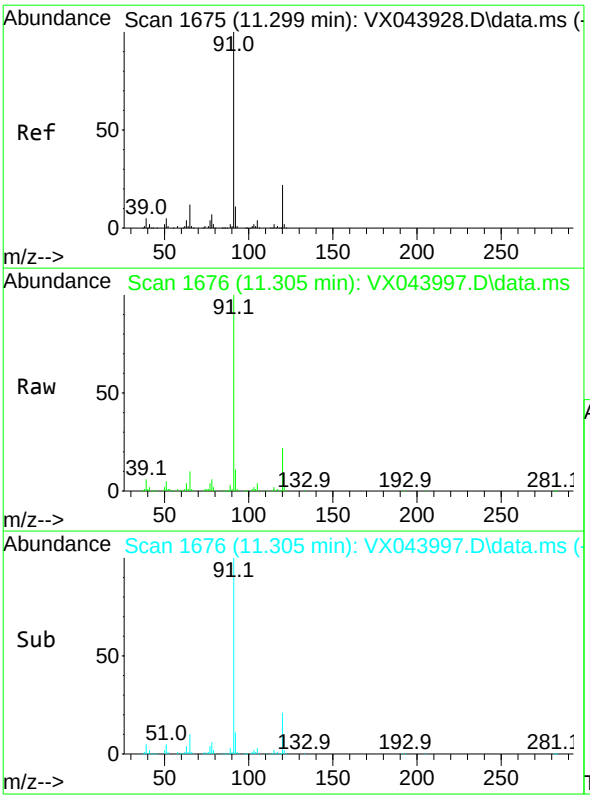


#77
Bromobenzene
Concen: 49.522 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion:156 Resp: 82986

Ion	Ratio	Lower	Upper
156	100		
77	166.2	83.4	250.1
158	98.4	47.6	142.8





#78
n-propylbenzene
Concen: 49.993 ug/l
RT: 11.305 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

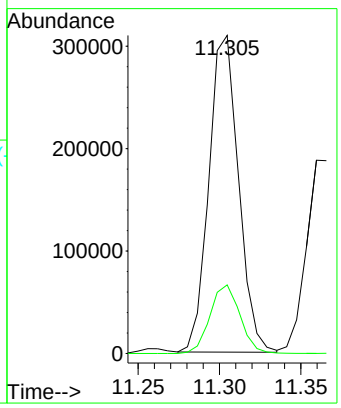
Tgt Ion: 91 Resp: 392227

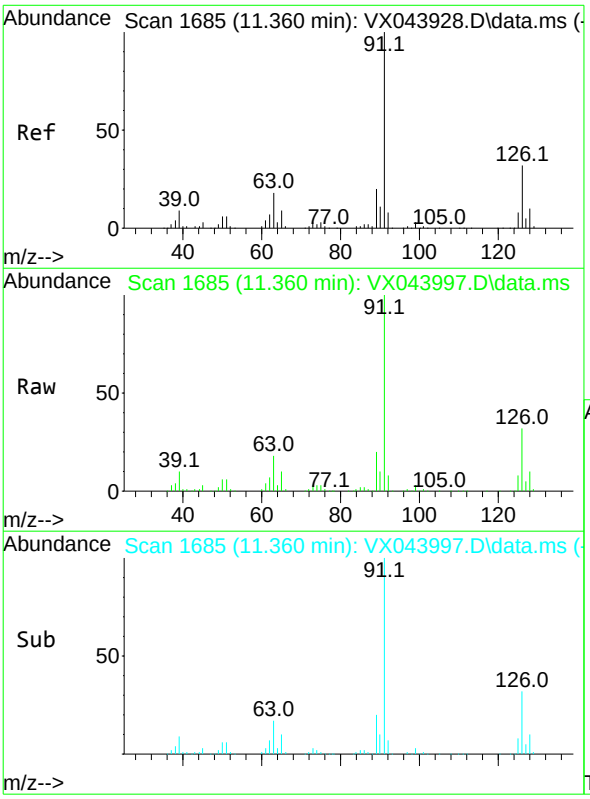
Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.5	34.4

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MSD

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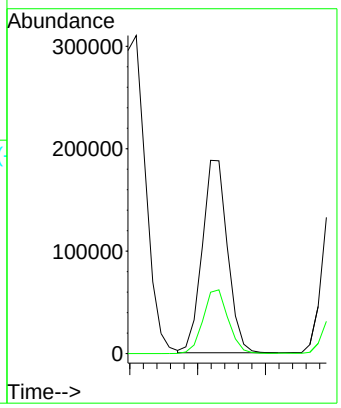


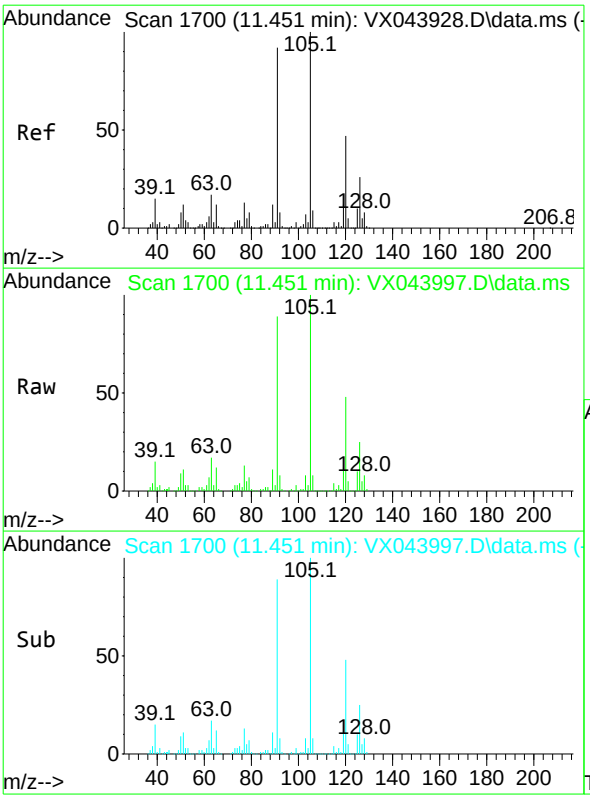


#79
2-Chlorotoluene
Concen: 49.202 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion: 91 Resp: 244095

Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.6	49.8





#80
1,3,5-Trimethylbenzene
Concen: 50.123 ug/l
RT: 11.451 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

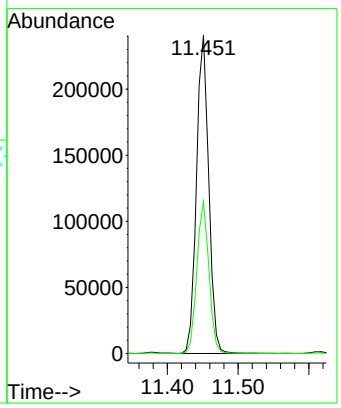
Tgt Ion:105 Resp: 289679

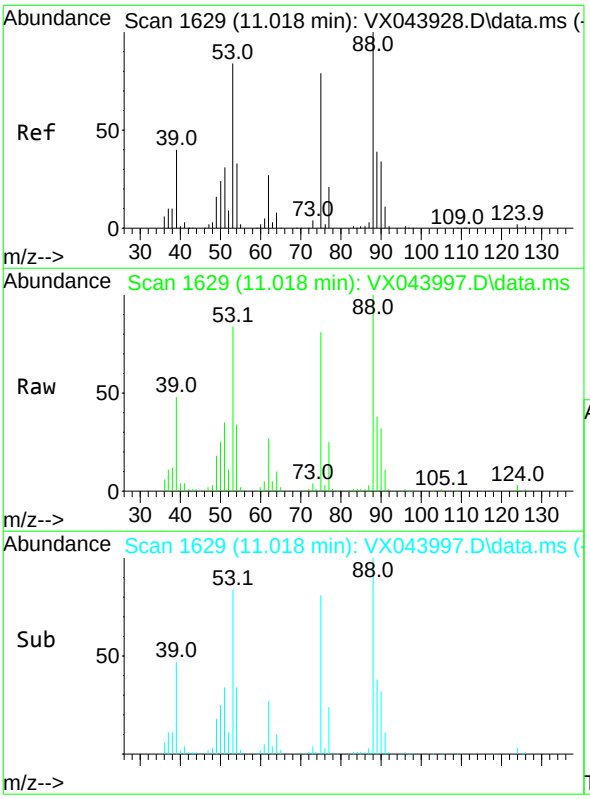
Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.3	69.8

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MSD

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

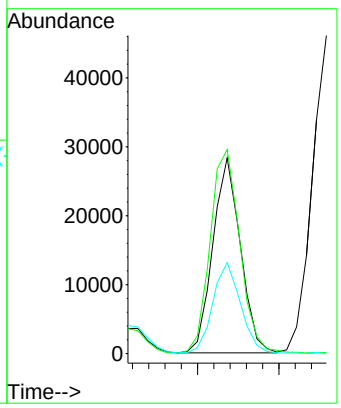


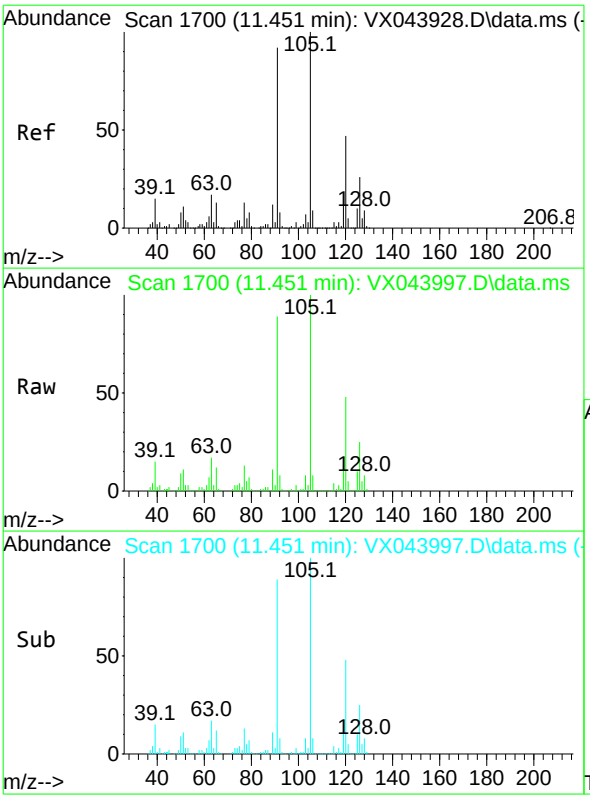


#81
trans-1,4-Dichloro-2-butene
Concen: 45.232 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion: 75 Resp: 33220

Ion	Ratio	Lower	Upper
75	100		
53	112.4	86.7	130.1
89	47.5	38.2	57.2





#82
4-Chlorotoluene
Concen: 49.222 ug/l
RT: 11.451 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

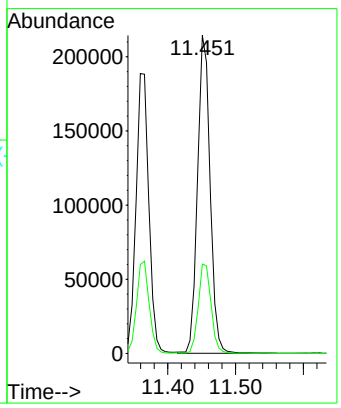
Tgt Ion: 91 Resp: 275689

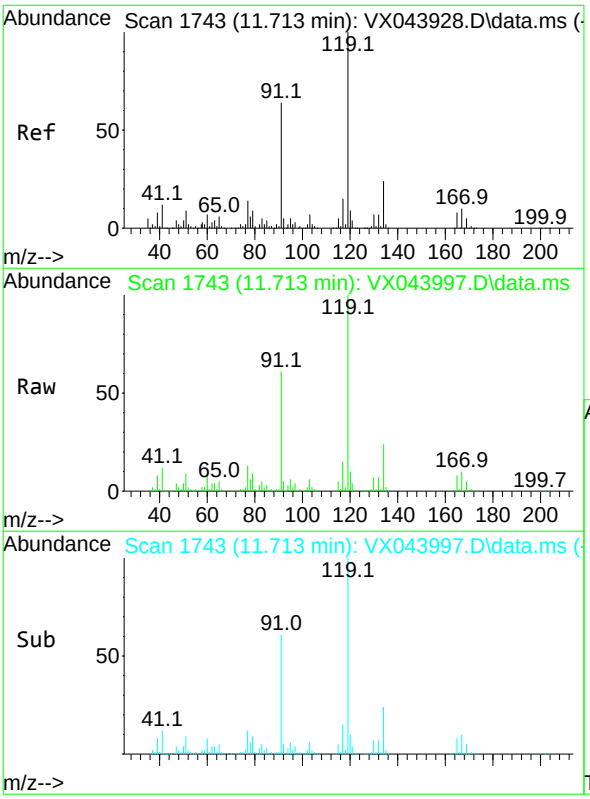
Ion	Ratio	Lower	Upper
91	100		
126	28.7	14.3	42.9

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MSD

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

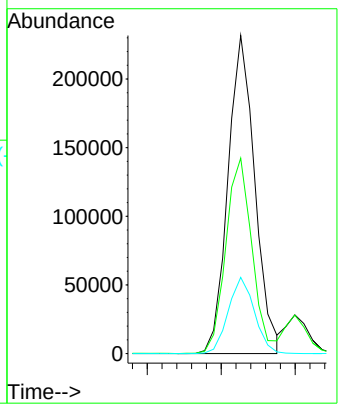


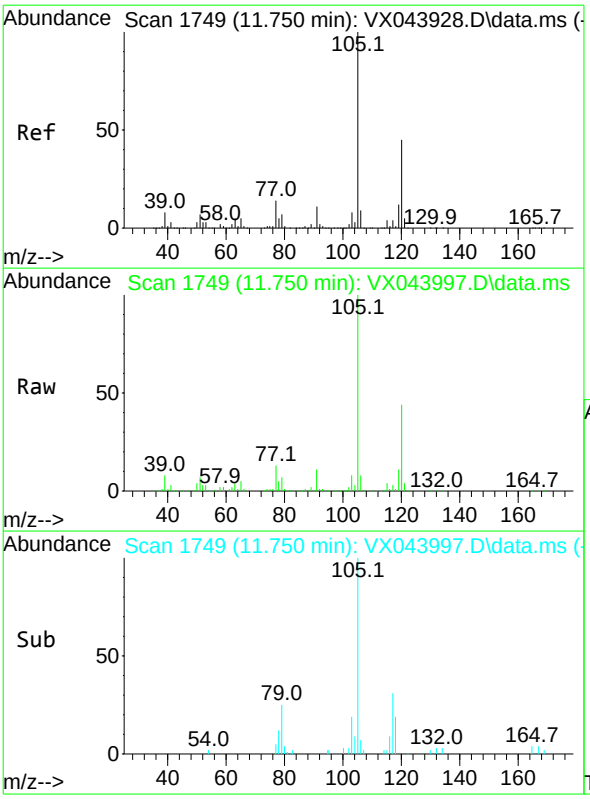


#83
tert-Butylbenzene
Concen: 51.012 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion:119 Resp: 292215

Ion	Ratio	Lower	Upper
119	100		
91	60.4	31.0	93.0
134	23.3	11.6	34.8





#84
1,2,4-Trimethylbenzene
Concen: 50.523 ug/l
RT: 11.750 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

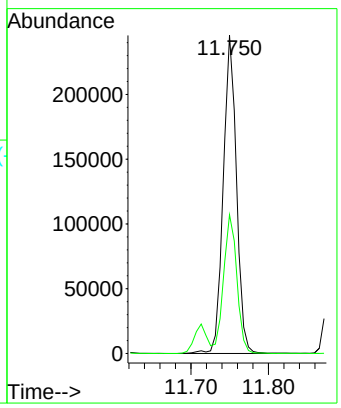
Tgt Ion:105 Resp: 290704

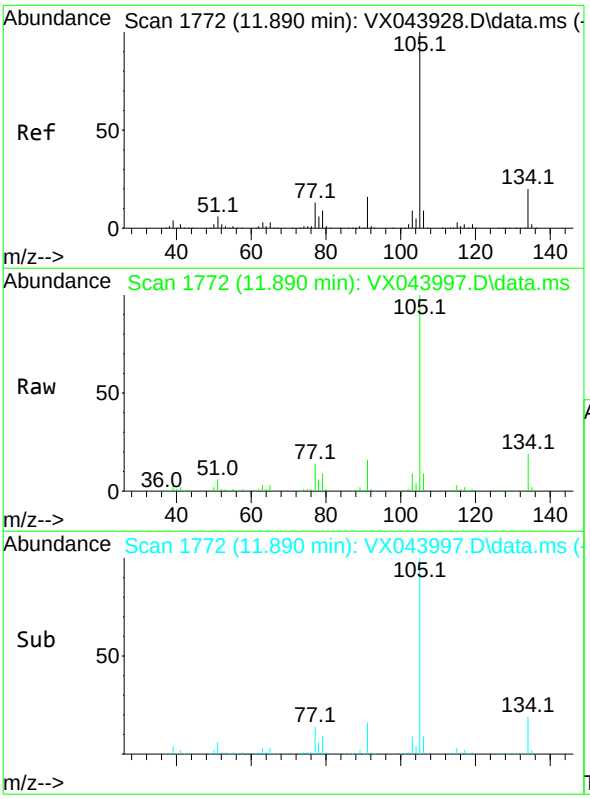
Ion	Ratio	Lower	Upper
105	100		
120	44.2	21.9	65.7

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MSD

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

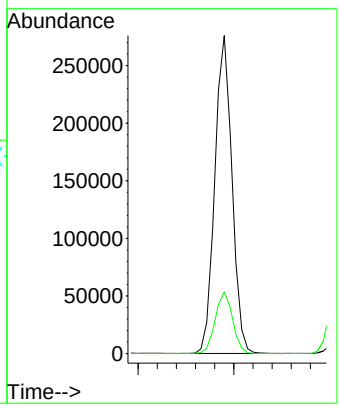


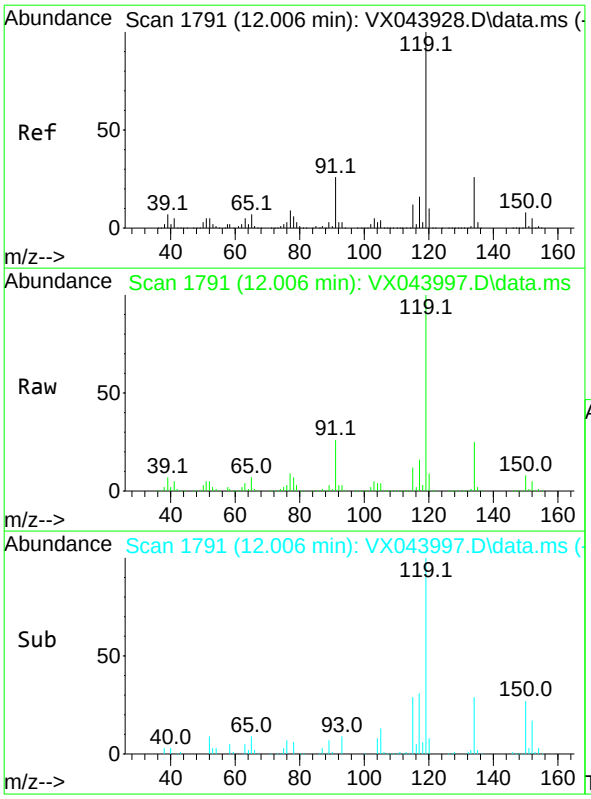


#85
sec-Butylbenzene
Concen: 49.003 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion:105 Resp: 343923

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.7	29.1





#86
p-Isopropyltoluene
Concen: 50.838 ug/l
RT: 12.006 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

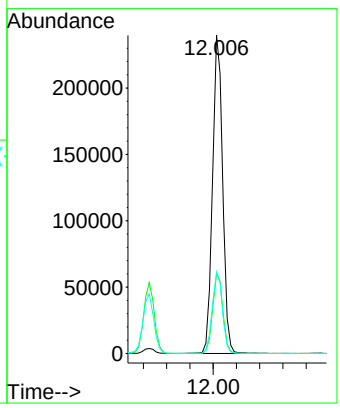
Tgt Ion:119 Resp: 289829

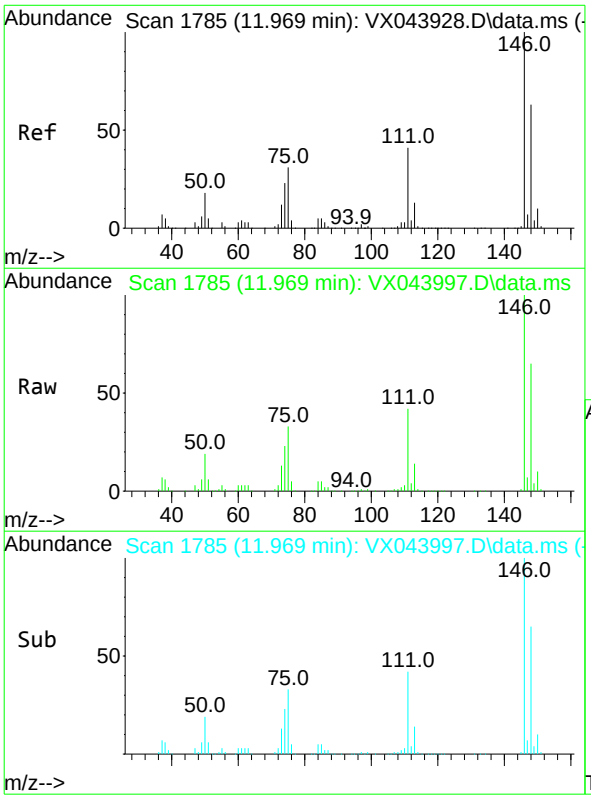
Ion	Ratio	Lower	Upper
119	100		
134	25.4	13.0	38.9
91	25.9	13.0	38.9

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MSD

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

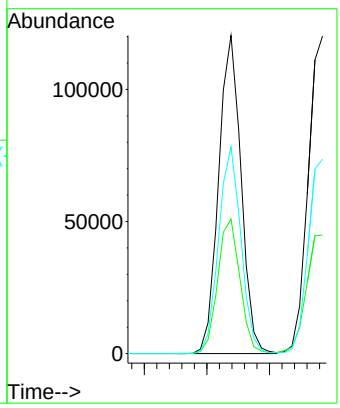


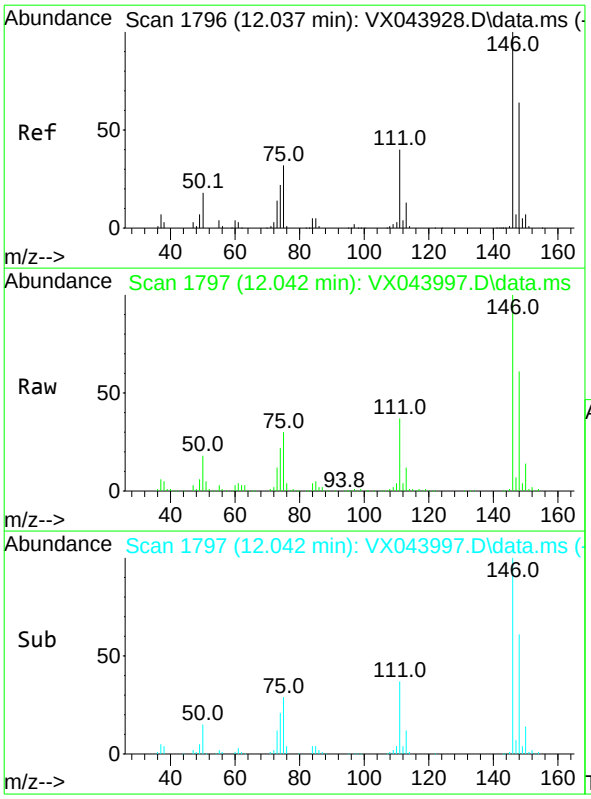


#87
1,3-Dichlorobenzene
Concen: 49.137 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion:146 Resp: 149971

Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.1	63.3
148	64.7	31.7	95.1

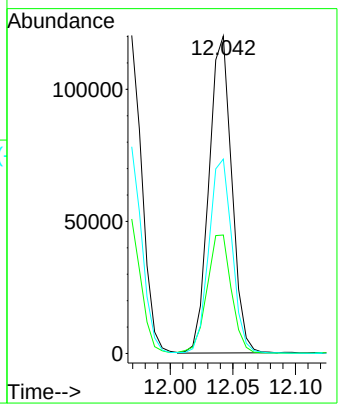




#88
1,4-Dichlorobenzene
Concen: 48.895 ug/l
RT: 12.042 min Scan# 17
Delta R.T. 0.006 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion:146 Resp: 152147

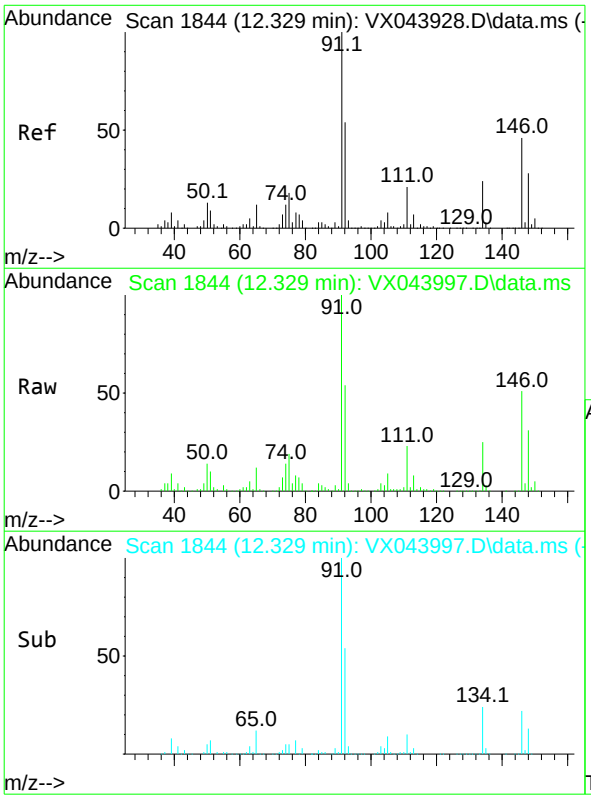
Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.1	60.3
148	62.7	30.9	92.8



Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MSD

Manual Integrations
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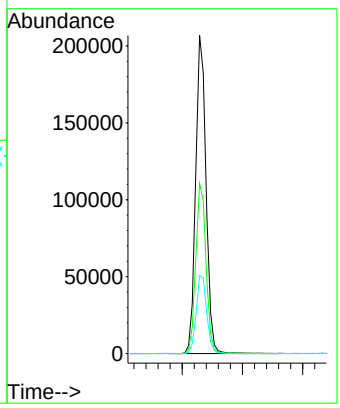
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

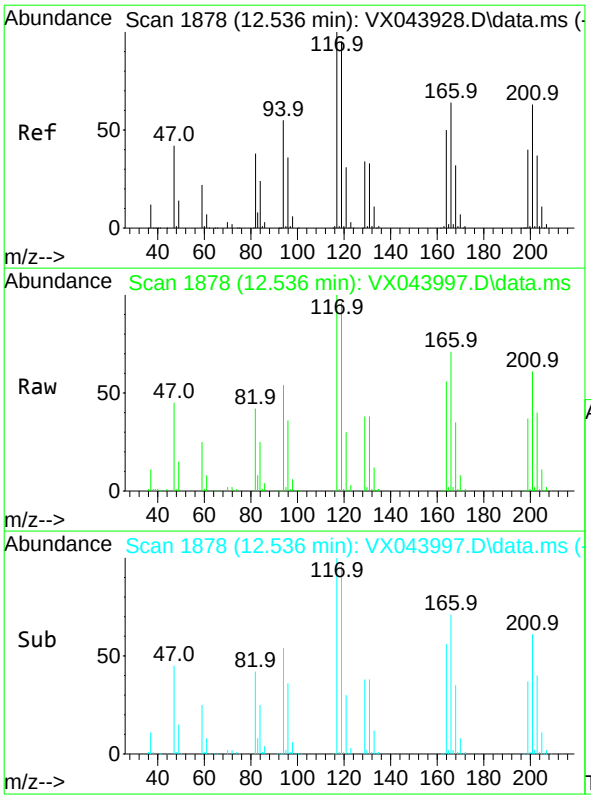


#89
n-Butylbenzene
Concen: 49.171 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.000 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion: 91 Resp: 247152

Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.6	79.8
134	24.8	12.4	37.2

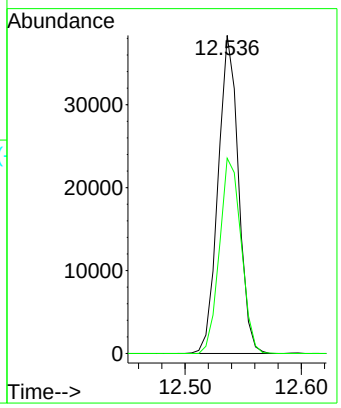




#90
Hexachloroethane
Concen: 48.106 ug/l
RT: 12.536 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion:117 Resp: 46635

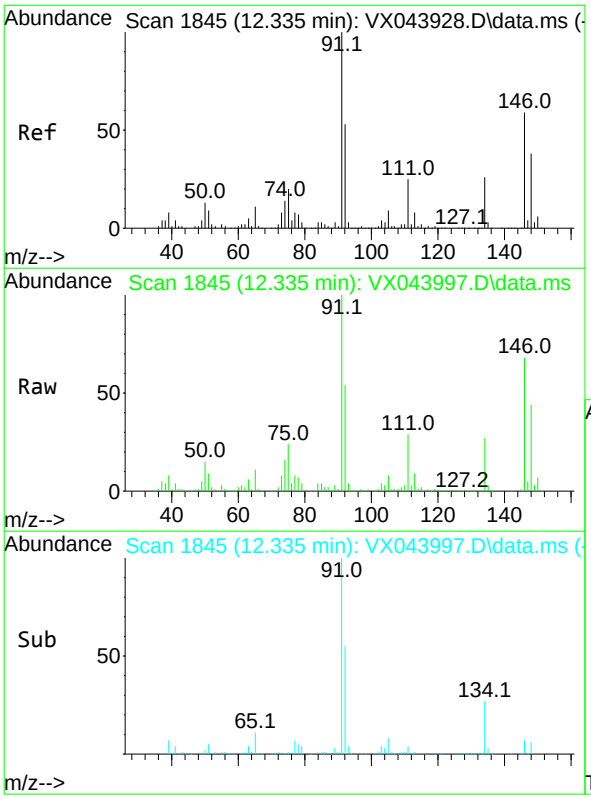
Ion	Ratio	Lower	Upper
117	100		
201	65.4	32.4	97.0



Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MSD

Manual Integrations
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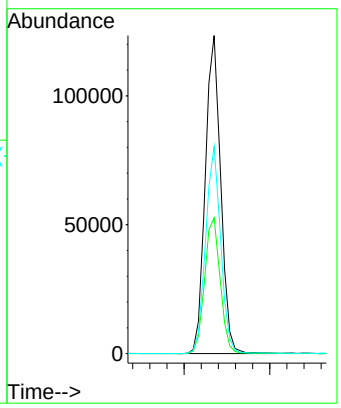
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

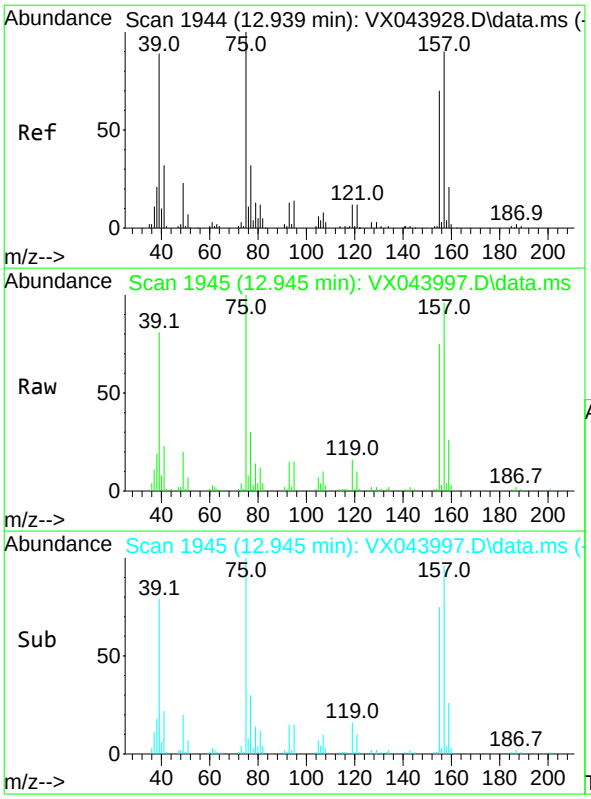


#91
1,2-Dichlorobenzene
Concen: 50.075 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion:146 Resp: 154236

Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.5	64.5
148	64.0	31.9	95.5





#92
1,2-Dibromo-3-Chloropropane
Concen: 50.132 ug/l
RT: 12.945 min Scan# 19
Delta R.T. 0.006 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

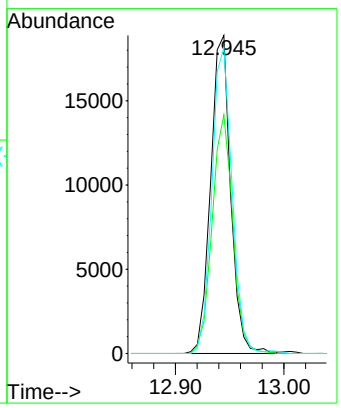
Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MSD

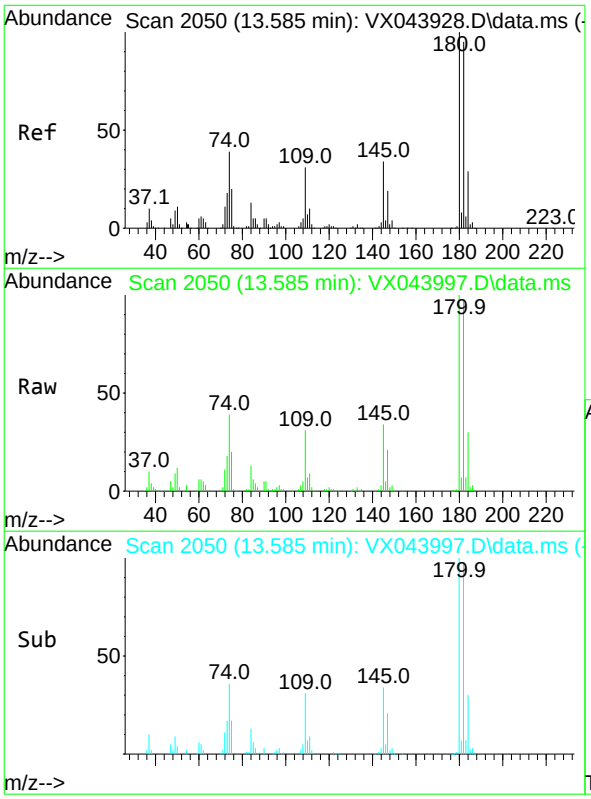
Tgt Ion: 75 Resp: 24162

Ion	Ratio	Lower	Upper
75	100		
155	77.5	40.1	120.2
157	97.3	49.6	149.0

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

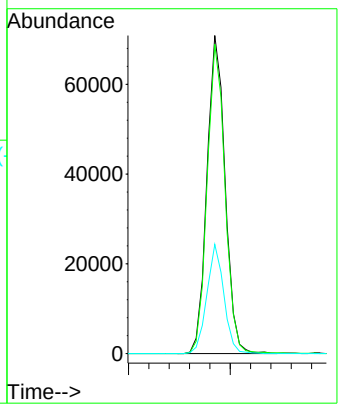


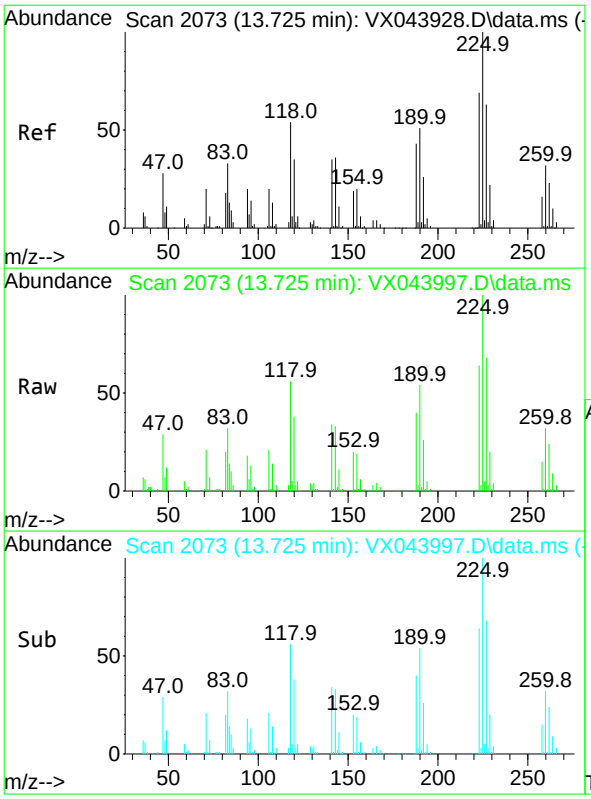


#93
1,2,4-Trichlorobenzene
Concen: 48.305 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. -0.000 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion:180 Resp: 87717

Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.0	144.2
145	32.2	16.8	50.4

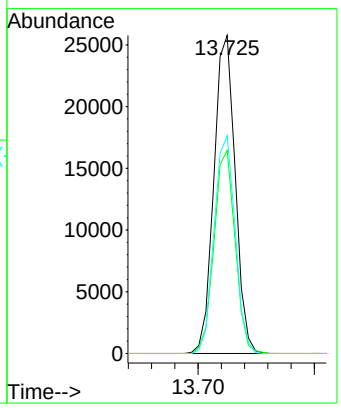




#94
Hexachlorobutadiene
Concen: 45.686 ug/l
RT: 13.725 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion:225 Resp: 32788

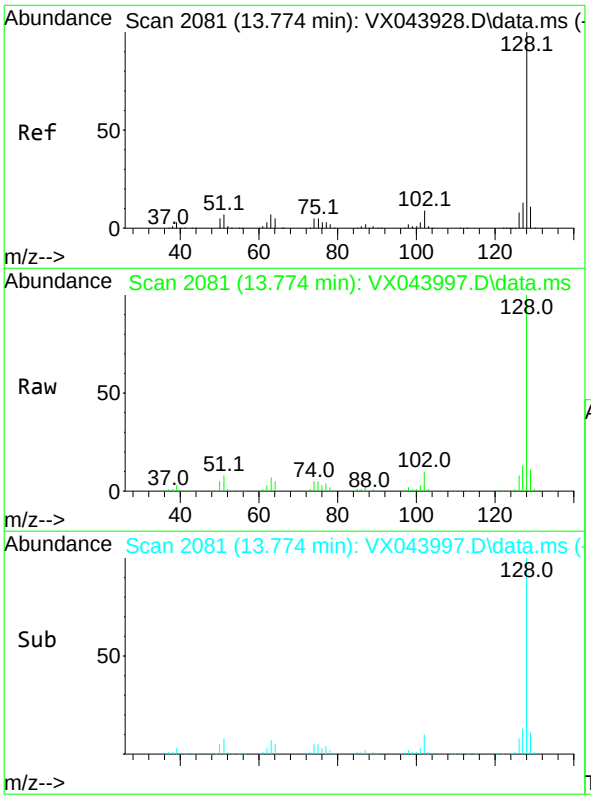
Ion	Ratio	Lower	Upper
225	100		
223	63.2	32.9	98.6
227	67.6	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MSD

Manual Integrations
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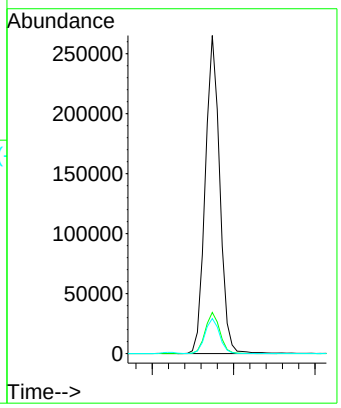
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

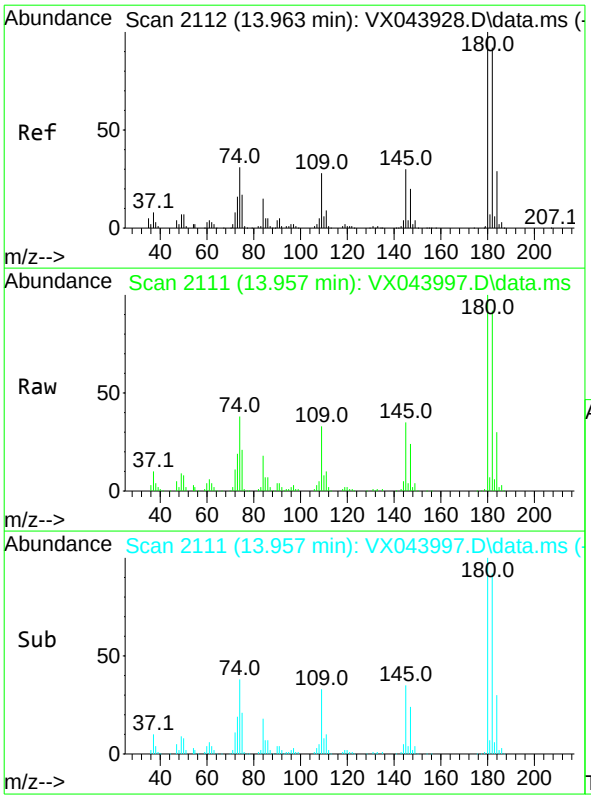


#95
Naphthalene
Concen: 50.099 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion:128 Resp: 327480

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	11.1	8.6	12.8

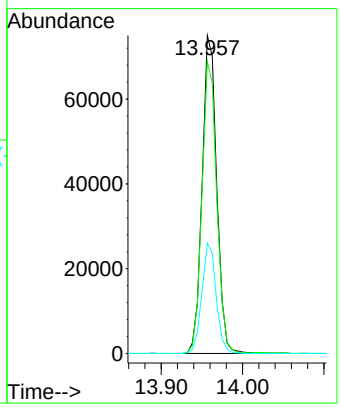




#96
1,2,3-Trichlorobenzene
Concen: 50.743 ug/l
RT: 13.957 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX043997.D
Acq: 25 Nov 2024 19:17

Tgt Ion:180 Resp: 93264

Ion	Ratio	Lower	Upper
180	100		
182	92.7	45.6	136.8
145	34.1	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04D-20241113MSD

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

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

Manual Integration Report

Sequence:	vx112124	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV050	VX043923.D	1,2,3-Trichloropropane	JOHN	11/21/2024 9:44:34 AM	MMDadoda	11/22/2024 3:33:41 PM	Peak Integrated by Software
VSTDICV050	VX043923.D	1,4-Dioxane	JOHN	11/21/2024 9:44:34 AM	MMDadoda	11/22/2024 3:33:41 PM	Peak Integrated by Software
VSTDICC001	VX043925.D	1,2,3-Trichloropropane	JOHN	11/22/2024 9:57:01 AM	MMDadoda	11/22/2024 3:33:43 PM	Peak Integrated by Software
VSTDICC001	VX043925.D	1,4-Dichlorobenzene	JOHN	11/22/2024 9:57:01 AM	MMDadoda	11/22/2024 3:33:43 PM	Peak Integrated by Software
VSTDICC001	VX043925.D	Bromochloromethane	JOHN	11/22/2024 9:57:01 AM	MMDadoda	11/22/2024 3:33:43 PM	Peak Integrated by Software
VSTDICC001	VX043925.D	Ethyl Acetate	JOHN	11/22/2024 9:57:01 AM	MMDadoda	11/22/2024 3:33:43 PM	Peak Integrated by Software
VSTDICC001	VX043925.D	Methacrylonitrile	JOHN	11/22/2024 9:57:01 AM	MMDadoda	11/22/2024 3:33:43 PM	Peak Integrated by Software
VSTDICC001	VX043925.D	Methyl methacrylate	JOHN	11/22/2024 9:57:01 AM	MMDadoda	11/22/2024 3:33:43 PM	Peak Integrated by Software
VSTDICC005	VX043926.D	1,2,3-Trichloropropane	JOHN	11/22/2024 9:57:07 AM	MMDadoda	11/22/2024 3:33:44 PM	Peak Integrated by Software
VSTDICC005	VX043926.D	1,4-Dioxane	JOHN	11/22/2024 9:57:07 AM	MMDadoda	11/22/2024 3:33:44 PM	Peak Integrated by Software
VSTDICC005	VX043926.D	Ethyl Acetate	JOHN	11/22/2024 9:57:07 AM	MMDadoda	11/22/2024 3:33:44 PM	Peak Integrated by Software
VSTDICC005	VX043926.D	Tert butyl alcohol	JOHN	11/22/2024 9:57:07 AM	MMDadoda	11/22/2024 3:33:44 PM	Peak Integrated by Software
VSTDICC020	VX043927.D	1,2,3-Trichloropropane	JOHN	11/22/2024 9:57:12 AM	MMDadoda	11/22/2024 3:33:46 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vx112124	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC020	VX043927.D	1,4-Dioxane	JOHN	11/22/2024 9:57:12 AM	MMDadoda	11/22/2024 3:33:46 PM	Peak Integrated by Software
VSTDICCC050	VX043928.D	1,2,3-Trichloropropane	JOHN	11/22/2024 9:57:17 AM	MMDadoda	11/22/2024 3:33:47 PM	Peak Integrated by Software
VSTDICCC050	VX043928.D	1,4-Dioxane	JOHN	11/22/2024 9:57:17 AM	MMDadoda	11/22/2024 3:33:47 PM	Peak Integrated by Software
VSTDICC100	VX043929.D	1,2,3-Trichloropropane	JOHN	11/22/2024 9:57:21 AM	MMDadoda	11/22/2024 3:33:49 PM	Peak Integrated by Software
VSTDICC100	VX043929.D	1,4-Dioxane	JOHN	11/22/2024 9:57:21 AM	MMDadoda	11/22/2024 3:33:49 PM	Peak Integrated by Software
VSTDICC150	VX043930.D	1,2,3-Trichloropropane	JOHN	11/22/2024 9:57:26 AM	MMDadoda	11/22/2024 3:33:50 PM	Peak Integrated by Software
VSTDICV050	VX043932.D	1,2,3-Trichloropropane	JOHN	11/22/2024 9:57:30 AM	MMDadoda	11/22/2024 3:33:52 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX112224	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX043950.D	1,2,3-Trichloropropane	JOHN	11/25/2024 9:48:19 AM	MMDadoda	11/25/2024 2:02:34 PM	Peak Integrated by Software
VX1122WBS01	VX043953.D	1,2,3-Trichloropropane	JOHN	11/25/2024 9:48:23 AM	MMDadoda	11/25/2024 2:02:33 PM	Peak Integrated by Software
VSTDCCC050	VX043975.D	1,2,3-Trichloropropane	JOHN	11/25/2024 9:48:49 AM	MMDadoda	11/25/2024 2:02:40 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX112524	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX043977.D	1,2,3-Trichloropropane	MMDadoda	11/26/2024 9:44:34 AM	SAM	11/26/2024 9:46:59 AM	Peak Integrated by Software
VX1125WBS01	VX043980.D	1,2,3-Trichloropropane	MMDadoda	11/26/2024 9:44:35 AM	SAM	11/26/2024 9:46:59 AM	Peak Integrated by Software
P4846-06MS	VX043996.D	1,2,3-Trichloropropane	MMDadoda	11/26/2024 9:44:38 AM	SAM	11/26/2024 9:47:01 AM	Peak Integrated by Software
P4846-07MSD	VX043997.D	1,2,3-Trichloropropane	MMDadoda	11/26/2024 9:44:39 AM	SAM	11/26/2024 9:47:03 AM	Peak Integrated by Software
VSTDCCC050	VX044002.D	1,2,3-Trichloropropane	MMDadoda	11/26/2024 9:44:41 AM	SAM	11/26/2024 9:47:04 AM	Peak Integrated by Software

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX112124

Review By	John Carlone	Review On	11/21/2024 9:44:50 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/22/2024 3:34:00 PM		
SubDirectory	VX112124	HP Acquire Method		HP Processing Method	82X112124W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131686,VP131690
Initial Calibration Stds	VP131716,VP131717,VP131718,VP131719,VP131720,VP131721
CCC	VP131691
Internal Standard/PEM	
ICV/I.BLK	VP131722
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX043915.D	20 Nov 2024 15:43	JC/MD	Ok
2	VSTDICC001	VX043916.D	20 Nov 2024 16:11	JC/MD	Not Ok
3	VSTDICC005	VX043917.D	20 Nov 2024 16:57	JC/MD	Not Ok
4	VSTDICC020	VX043918.D	20 Nov 2024 17:20	JC/MD	Not Ok
5	VSTDICCC050	VX043919.D	20 Nov 2024 17:43	JC/MD	Ok,NR
6	VSTDICC100	VX043920.D	20 Nov 2024 18:06	JC/MD	Not Ok
7	VSTDICC150	VX043921.D	20 Nov 2024 18:30	JC/MD	Not Ok
8	IBLK	VX043922.D	20 Nov 2024 18:53	JC/MD	Not Ok
9	VSTDICV050	VX043923.D	20 Nov 2024 19:16	JC/MD	Not Ok
10	BFB	VX043924.D	21 Nov 2024 08:51	JC/MD	Ok
11	VSTDICC001	VX043925.D	21 Nov 2024 09:47	JC/MD	Ok,M
12	VSTDICC005	VX043926.D	21 Nov 2024 10:14	JC/MD	Ok,M
13	VSTDICC020	VX043927.D	21 Nov 2024 10:37	JC/MD	Ok,M
14	VSTDICCC050	VX043928.D	21 Nov 2024 11:17	JC/MD	Ok,M
15	VSTDICC100	VX043929.D	21 Nov 2024 11:40	JC/MD	Ok,M
16	VSTDICC150	VX043930.D	21 Nov 2024 12:03	JC/MD	Ok,M
17	IBLK	VX043931.D	21 Nov 2024 12:27	JC/MD	Ok
18	VSTDICV050	VX043932.D	21 Nov 2024 13:57	JC/MD	Ok,M
19	VX1121MBL01	VX043933.D	21 Nov 2024 14:27	JC/MD	Ok
20	VX1121WBL01	VX043934.D	21 Nov 2024 14:50	JC/MD	Ok
21	VX1121WBS01	VX043935.D	21 Nov 2024 15:13	JC/MD	Ok,M

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX112124

Review By	John Carlone	Review On	11/21/2024 9:44:50 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/22/2024 3:34:00 PM		
SubDirectory	VX112124	HP Acquire Method		HP Processing Method	82X112124W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131686,VP131690
Initial Calibration Stds	VP131716,VP131717,VP131718,VP131719,VP131720,VP131721
CCC	VP131691
Internal Standard/PEM	
ICV/I.BLK	VP131722
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	VX1121WBSD01	VX043936.D	21 Nov 2024 15:40	JC/MD	Ok,M
23	P4921-01	VX043937.D	21 Nov 2024 16:03	JC/MD	Ok
24	P4934-01	VX043938.D	21 Nov 2024 16:27	JC/MD	Ok
25	P4934-09	VX043939.D	21 Nov 2024 16:50	JC/MD	Ok
26	P4934-11	VX043940.D	21 Nov 2024 17:13	JC/MD	Ok
27	P4934-02	VX043941.D	21 Nov 2024 17:36	JC/MD	Ok
28	P4934-03	VX043942.D	21 Nov 2024 17:59	JC/MD	Ok
29	P4934-08	VX043943.D	21 Nov 2024 18:23	JC/MD	Ok
30	P4934-10	VX043944.D	21 Nov 2024 18:46	JC/MD	Ok
31	P4934-04	VX043945.D	21 Nov 2024 19:09	JC/MD	Ok
32	P4934-12	VX043946.D	21 Nov 2024 19:32	JC/MD	Ok
33	P4934-05	VX043947.D	21 Nov 2024 19:55	JC/MD	Ok
34	VSTDCCC050	VX043948.D	21 Nov 2024 20:18	JC/MD	Ok,NR

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX112224

Review By	John Carlone	Review On	11/25/2024 9:54:33 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/25/2024 2:02:46 PM		
SubDirectory	VX112224	HP Acquire Method		HP Processing Method	82X112124W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131748
Initial Calibration Stds	
CCC	VP131749,VP131750
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX043949.D	22 Nov 2024 10:54	JC/MD	Ok
2	VSTDCCC050	VX043950.D	22 Nov 2024 11:22	JC/MD	Ok,M
3	VX1122MBL01	VX043951.D	22 Nov 2024 11:50	JC/MD	Ok
4	VX1122WBL01	VX043952.D	22 Nov 2024 12:13	JC/MD	Ok
5	VX1122WBS01	VX043953.D	22 Nov 2024 12:36	JC/MD	Ok,M
6	VX1122WBSD01	VX043954.D	22 Nov 2024 13:02	JC/MD	Ok,M
7	P4947-01	VX043955.D	22 Nov 2024 13:25	JC/MD	Ok
8	P4846-09	VX043956.D	22 Nov 2024 13:48	JC/MD	Ok
9	P4846-10	VX043957.D	22 Nov 2024 14:11	JC/MD	Ok
10	P4846-01	VX043958.D	22 Nov 2024 14:34	JC/MD	Dilution
11	P4846-02	VX043959.D	22 Nov 2024 14:57	JC/MD	Ok
12	P4887-06	VX043960.D	22 Nov 2024 15:20	JC/MD	Ok
13	P4846-04	VX043961.D	22 Nov 2024 15:43	JC/MD	Ok
14	P4846-08	VX043962.D	22 Nov 2024 16:06	JC/MD	Ok
15	P4846-11	VX043963.D	22 Nov 2024 16:29	JC/MD	Ok
16	P4846-12	VX043964.D	22 Nov 2024 16:52	JC/MD	Ok
17	P4846-13	VX043965.D	22 Nov 2024 17:16	JC/MD	Ok
18	P4846-14	VX043966.D	22 Nov 2024 17:39	JC/MD	Ok
19	P4846-15	VX043967.D	22 Nov 2024 18:01	JC/MD	Ok
20	P4846-16	VX043968.D	22 Nov 2024 18:25	JC/MD	Dilution
21	P4846-17	VX043969.D	22 Nov 2024 18:47	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX112224

Review By	John Carlone	Review On	11/25/2024 9:54:33 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/25/2024 2:02:46 PM		
SubDirectory	VX112224	HP Acquire Method		HP Processing Method	82X112124W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131748
Initial Calibration Stds	
CCC	VP131749,VP131750
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4846-03	VX043970.D	22 Nov 2024 19:10	JC/MD	Ok
23	P4873-01	VX043971.D	22 Nov 2024 19:33	JC/MD	Ok
24	P4873-03	VX043972.D	22 Nov 2024 19:56	JC/MD	Ok
25	P4934-06MS	VX043973.D	22 Nov 2024 20:19	JC/MD	Ok,M
26	P4934-07MSD	VX043974.D	22 Nov 2024 20:42	JC/MD	Ok,M
27	VSTDCCC050	VX043975.D	22 Nov 2024 21:05	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX112524

Review By	Mahesh Dadoda	Review On	11/26/2024 9:44:43 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/26/2024 9:47:07 AM		
SubDirectory	VX112524	HP Acquire Method		HP Processing Method	82X112124W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131793
Initial Calibration Stds	
CCC	VP131794,VP131795
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX043976.D	25 Nov 2024 10:59	JC/MD	Ok
2	VSTDCCC050	VX043977.D	25 Nov 2024 11:27	JC/MD	Ok,M
3	VX1125MBL01	VX043978.D	25 Nov 2024 11:55	JC/MD	Ok
4	VX1125WBL01	VX043979.D	25 Nov 2024 12:18	JC/MD	Ok
5	VX1125WBS01	VX043980.D	25 Nov 2024 12:41	JC/MD	Ok,M
6	VX1125WBSD01	VX043981.D	25 Nov 2024 13:08	JC/MD	Ok,M
7	P4846-01DL	VX043982.D	25 Nov 2024 13:31	JC/MD	Ok
8	P4846-16DL	VX043983.D	25 Nov 2024 13:53	JC/MD	Ok
9	P4886-01	VX043984.D	25 Nov 2024 14:17	JC/MD	Ok
10	P4886-02	VX043985.D	25 Nov 2024 14:40	JC/MD	Ok
11	P4886-03	VX043986.D	25 Nov 2024 15:03	JC/MD	Ok
12	P4886-04	VX043987.D	25 Nov 2024 15:26	JC/MD	Ok
13	P4873-02	VX043988.D	25 Nov 2024 15:49	JC/MD	Ok
14	P4873-04	VX043989.D	25 Nov 2024 16:12	JC/MD	Ok
15	P4873-05	VX043990.D	25 Nov 2024 16:35	JC/MD	Ok
16	P4873-06	VX043991.D	25 Nov 2024 16:58	JC/MD	Ok
17	P4873-07	VX043992.D	25 Nov 2024 17:21	JC/MD	Dilution
18	P4873-08	VX043993.D	25 Nov 2024 17:44	JC/MD	Dilution
19	P4873-09	VX043994.D	25 Nov 2024 18:08	JC/MD	Ok
20	P4846-05	VX043995.D	25 Nov 2024 18:31	JC/MD	Ok
21	P4846-06MS	VX043996.D	25 Nov 2024 18:54	JC/MD	Ok,M

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX112524

Review By	Mahesh Dadoda	Review On	11/26/2024 9:44:43 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/26/2024 9:47:07 AM		
SubDirectory	VX112524	HP Acquire Method		HP Processing Method	82X112124W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131793
Initial Calibration Stds	
CCC	VP131794,VP131795
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4846-07MSD	VX043997.D	25 Nov 2024 19:17	JC/MD	Ok,M
23	PB165160TB	VX043998.D	25 Nov 2024 19:40	JC/MD	Ok
24	P4938-04	VX043999.D	25 Nov 2024 20:03	JC/MD	Ok
25	P4938-08	VX044000.D	25 Nov 2024 20:26	JC/MD	Ok
26	P4995-01	VX044001.D	25 Nov 2024 20:49	JC/MD	Ok
27	VSTDCCC050	VX044002.D	25 Nov 2024 21:12	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX112124

Review By	John Carlone	Review On	11/21/2024 9:44:50 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/22/2024 3:34:00 PM		
SubDirectory	VX112124	HP Acquire Method		HP Processing Method	82X112124W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131686,VP131690
Initial Calibration Stds	VP131716,VP131717,VP131718,VP131719,VP131720,VP131721
CCC	VP131691
Internal Standard/PEM	
ICV/I.BLK	VP131722
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX043915.D	20 Nov 2024 15:43		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX043916.D	20 Nov 2024 16:11	%D failed for Comp. #71,74,90,92 in 01 PPB	JC/MD	Not Ok
3	VSTDICC005	VSTDICC005	VX043917.D	20 Nov 2024 16:57	%D failed for Comp. #81 in 05 PPB	JC/MD	Not Ok
4	VSTDICC020	VSTDICC020	VX043918.D	20 Nov 2024 17:20		JC/MD	Not Ok
5	VSTDICCC050	VSTDICC050	VX043919.D	20 Nov 2024 17:43		JC/MD	Ok,NR
6	VSTDICC100	VSTDICC100	VX043920.D	20 Nov 2024 18:06		JC/MD	Not Ok
7	VSTDICC150	VSTDICC150	VX043921.D	20 Nov 2024 18:30		JC/MD	Not Ok
8	IBLK	IBLK	VX043922.D	20 Nov 2024 18:53		JC/MD	Not Ok
9	VSTDICV050	ICVVX112124	VX043923.D	20 Nov 2024 19:16	Failed	JC/MD	Not Ok
10	BFB	BFB	VX043924.D	21 Nov 2024 08:51		JC/MD	Ok
11	VSTDICC001	VSTDICC001	VX043925.D	21 Nov 2024 09:47	%D failed for Comp. #71 in 01 PPB	JC/MD	Ok,M
12	VSTDICC005	VSTDICC005	VX043926.D	21 Nov 2024 10:14	QR- 58,71	JC/MD	Ok,M
13	VSTDICC020	VSTDICC020	VX043927.D	21 Nov 2024 10:37		JC/MD	Ok,M
14	VSTDICCC050	VSTDICCC050	VX043928.D	21 Nov 2024 11:17		JC/MD	Ok,M
15	VSTDICC100	VSTDICC100	VX043929.D	21 Nov 2024 11:40		JC/MD	Ok,M
16	VSTDICC150	VSTDICC150	VX043930.D	21 Nov 2024 12:03		JC/MD	Ok,M
17	IBLK	IBLK	VX043931.D	21 Nov 2024 12:27		JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX112124

Review By	John Carlone	Review On	11/21/2024 9:44:50 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/22/2024 3:34:00 PM		
SubDirectory	VX112124	HP Acquire Method		HP Processing Method	82X112124W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131686,VP131690
Initial Calibration Stds	VP131716,VP131717,VP131718,VP131719,VP131720,VP131721
CCC	VP131691
Internal Standard/PEM	
ICV/I.BLK	VP131722
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	VSTDICV050	ICVVX112124	VX043932.D	21 Nov 2024 13:57		JC/MD	Ok,M
19	VX1121MBL01	VX1121MBL01	VX043933.D	21 Nov 2024 14:27		JC/MD	Ok
20	VX1121WBL01	VX1121WBL01	VX043934.D	21 Nov 2024 14:50		JC/MD	Ok
21	VX1121WBS01	VX1121WBS01	VX043935.D	21 Nov 2024 15:13		JC/MD	Ok,M
22	VX1121WBSD01	VX1121WBSD01	VX043936.D	21 Nov 2024 15:40		JC/MD	Ok,M
23	P4921-01	WC-11-A-202411	VX043937.D	21 Nov 2024 16:03	vial B pH#5.0	JC/MD	Ok
24	P4934-01	TB-01-20241118	VX043938.D	21 Nov 2024 16:27	vial A pH<2 TB;	JC/MD	Ok
25	P4934-09	FB-01-20241119	VX043939.D	21 Nov 2024 16:50	vial A pH<2 FB;	JC/MD	Ok
26	P4934-11	RB-01-20241119	VX043940.D	21 Nov 2024 17:13	vial A pH<2	JC/MD	Ok
27	P4934-02	BPOW6-11-20241118	VX043941.D	21 Nov 2024 17:36	vial A pH<2	JC/MD	Ok
28	P4934-03	BPOW6-7-20241118	VX043942.D	21 Nov 2024 17:59	vial A pH<2	JC/MD	Ok
29	P4934-08	BPOW6-9-20241119	VX043943.D	21 Nov 2024 18:23	vial A pH<2	JC/MD	Ok
30	P4934-10	BPOW6-8-20241119	VX043944.D	21 Nov 2024 18:46	vial A pH<2	JC/MD	Ok
31	P4934-04	DUP-01-20241118	VX043945.D	21 Nov 2024 19:09	vial A pH<2	JC/MD	Ok
32	P4934-12	DUP-02-20241119	VX043946.D	21 Nov 2024 19:32	vial A pH<2	JC/MD	Ok
33	P4934-05	BPOW6-10-20241119	VX043947.D	21 Nov 2024 19:55	vial A pH<2	JC/MD	Ok
34	VSTDCCC050	VSTDCCC050EC	VX043948.D	21 Nov 2024 20:18		JC/MD	Ok,NR

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX112224

Review By	John Carlone	Review On	11/25/2024 9:54:33 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/25/2024 2:02:46 PM		
SubDirectory	VX112224	HP Acquire Method		HP Processing Method	82X112124W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131748
Initial Calibration Stds	
CCC	VP131749,VP131750
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX043949.D	22 Nov 2024 10:54		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX043950.D	22 Nov 2024 11:22	V13516	JC/MD	Ok,M
3	VX1122MBL01	VX1122MBL01	VX043951.D	22 Nov 2024 11:50		JC/MD	Ok
4	VX1122WBL01	VX1122WBL01	VX043952.D	22 Nov 2024 12:13		JC/MD	Ok
5	VX1122WBS01	VX1122WBS01	VX043953.D	22 Nov 2024 12:36		JC/MD	Ok,M
6	VX1122WBSD01	VX1122WBSD01	VX043954.D	22 Nov 2024 13:02		JC/MD	Ok,M
7	P4947-01	A3988	VX043955.D	22 Nov 2024 13:25	vial A pH<2	JC/MD	Ok
8	P4846-09	TB-1-20241113	VX043956.D	22 Nov 2024 13:48	vial A pH<2 TB	JC/MD	Ok
9	P4846-10	FSND-RB-3-20241113	VX043957.D	22 Nov 2024 14:11	vial A pH<2	JC/MD	Ok
10	P4846-01	FSND-MW-EVAL-03D-2	VX043958.D	22 Nov 2024 14:34	vial A pH<2 Need 5X	JC/MD	Dilution
11	P4846-02	FSND-MW-EVAL-03S-2	VX043959.D	22 Nov 2024 14:57	vial A pH<2	JC/MD	Ok
12	P4887-06	MH-760	VX043960.D	22 Nov 2024 15:20	vial A pH#5.0	JC/MD	Ok
13	P4846-04	FSND-MW-EVAL-04S-2	VX043961.D	22 Nov 2024 15:43	vial A pH<2	JC/MD	Ok
14	P4846-08	FSND-MW-26-2024111	VX043962.D	22 Nov 2024 16:06	vial A pH<2	JC/MD	Ok
15	P4846-11	FSND-MW-24-2024111	VX043963.D	22 Nov 2024 16:29	vial A pH<2	JC/MD	Ok
16	P4846-12	FSND-MW-15-2024111	VX043964.D	22 Nov 2024 16:52	vial A pH<2	JC/MD	Ok
17	P4846-13	FSND-MW-EVAL-02D-2	VX043965.D	22 Nov 2024 17:16	vial A pH<2	JC/MD	Ok
18	P4846-14	FSND-MW-EVAL-02S-2	VX043966.D	22 Nov 2024 17:39	vial A pH<2	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX112224

Review By	John Carlone	Review On	11/25/2024 9:54:33 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/25/2024 2:02:46 PM		
SubDirectory	VX112224	HP Acquire Method		HP Processing Method	82X112124W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131748
Initial Calibration Stds	
CCC	VP131749,VP131750
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4846-15	FSND-FD-4-20241113	VX043967.D	22 Nov 2024 18:01	vial A pH<2	JC/MD	Ok
20	P4846-16	FSND-MW-EVAL-01D-2	VX043968.D	22 Nov 2024 18:25	vial A pH<2 Need 10X	JC/MD	Dilution
21	P4846-17	FSND-MW-EVAL-01S-2	VX043969.D	22 Nov 2024 18:47	vial A pH<2	JC/MD	Ok
22	P4846-03	FSND-FD-3-20241113	VX043970.D	22 Nov 2024 19:10	vial A pH<2	JC/MD	Ok
23	P4873-01	FSND-RB-4-20241114	VX043971.D	22 Nov 2024 19:33	vial A pH<2	JC/MD	Ok
24	P4873-03	TB-2	VX043972.D	22 Nov 2024 19:56	vial A pH<2 TB	JC/MD	Ok
25	P4934-06MS	BPOW6-10-20241118M	VX043973.D	22 Nov 2024 20:19	vial A pH<2	JC/MD	Ok,M
26	P4934-07MSD	BPOW6-10-20241118M	VX043974.D	22 Nov 2024 20:42	vial A pH<2	JC/MD	Ok,M
27	VSTDCCC050	VSTDCCC050EC	VX043975.D	22 Nov 2024 21:05		JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX112524

Review By	Mahesh Dadoda	Review On	11/26/2024 9:44:43 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/26/2024 9:47:07 AM		
SubDirectory	VX112524	HP Acquire Method		HP Processing Method	82X112124W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131793
Initial Calibration Stds	
CCC	VP131794,VP131795
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX043976.D	25 Nov 2024 10:59		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX043977.D	25 Nov 2024 11:27	V13516	JC/MD	Ok,M
3	VX1125MBL01	VX1125MBL01	VX043978.D	25 Nov 2024 11:55		JC/MD	Ok
4	VX1125WBL01	VX1125WBL01	VX043979.D	25 Nov 2024 12:18		JC/MD	Ok
5	VX1125WBS01	VX1125WBS01	VX043980.D	25 Nov 2024 12:41		JC/MD	Ok,M
6	VX1125WBSD01	VX1125WBSD01	VX043981.D	25 Nov 2024 13:08		JC/MD	Ok,M
7	P4846-01DL	FSND-MW-EVAL-03D-2	VX043982.D	25 Nov 2024 13:31	vial B pH<2	JC/MD	Ok
8	P4846-16DL	FSND-MW-EVAL-01D-2	VX043983.D	25 Nov 2024 13:53	vial B pH<2	JC/MD	Ok
9	P4886-01	Storage-Blank-SOIL-RE	VX043984.D	25 Nov 2024 14:17	vial A pH<2	JC/MD	Ok
10	P4886-02	Storage-Blank-WATER-	VX043985.D	25 Nov 2024 14:40	vial A pH<2	JC/MD	Ok
11	P4886-03	Storage-Blank-WATER-	VX043986.D	25 Nov 2024 15:03	vial A pH<2	JC/MD	Ok
12	P4886-04	Storage-Blank-SAMPLE	VX043987.D	25 Nov 2024 15:26	vial A pH<2	JC/MD	Ok
13	P4873-02	FSND-MW-30-2024111	VX043988.D	25 Nov 2024 15:49	vial A pH<2	JC/MD	Ok
14	P4873-04	FSND-MW-19-2024111	VX043989.D	25 Nov 2024 16:12	vial A pH<2	JC/MD	Ok
15	P4873-05	FSND-MW-32-2024111	VX043990.D	25 Nov 2024 16:35	vial A pH<2	JC/MD	Ok
16	P4873-06	FSND-MW-34-2024111	VX043991.D	25 Nov 2024 16:58	vial A pH<2	JC/MD	Ok
17	P4873-07	FSND-GEP-3-2024111	VX043992.D	25 Nov 2024 17:21	vial A pH<2 Need 5X	JC/MD	Dilution
18	P4873-08	FSND-MW-28-2024111	VX043993.D	25 Nov 2024 17:44	vial A pH<2 Need 10X	JC/MD	Dilution

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX112524

Review By	Mahesh Dadoda	Review On	11/26/2024 9:44:43 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/26/2024 9:47:07 AM		
SubDirectory	VX112524	HP Acquire Method		HP Processing Method	82X112124W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131793
Initial Calibration Stds	
CCC	VP131794,VP131795
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4873-09	FSND-MW-29-2024111	VX043994.D	25 Nov 2024 18:08	vial A pH<2	JC/MD	Ok
20	P4846-05	FSND-MW-EVAL-04D-2	VX043995.D	25 Nov 2024 18:31	vial A pH<2	JC/MD	Ok
21	P4846-06MS	FSND-MW-EVAL-04D-2	VX043996.D	25 Nov 2024 18:54	vial A pH<2	JC/MD	Ok,M
22	P4846-07MSD	FSND-MW-EVAL-04D-2	VX043997.D	25 Nov 2024 19:17	vial A pH<2	JC/MD	Ok,M
23	PB165160TB	PB165160TB	VX043998.D	25 Nov 2024 19:40		JC/MD	Ok
24	P4938-04	MH-732	VX043999.D	25 Nov 2024 20:03	vial A pH#5.0	JC/MD	Ok
25	P4938-08	MH-734	VX044000.D	25 Nov 2024 20:26	vial A pH#5.0	JC/MD	Ok
26	P4995-01	001	VX044001.D	25 Nov 2024 20:49	vial A pH<2	JC/MD	Ok
27	VSTDCCC050	VSTDCCC050EC	VX044002.D	25 Nov 2024 21:12		JC/MD	Ok,M

M : Manual Integration

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Prep Standard - Chemical Standard Summary

Order ID : P4846

Test : VOC-TCLVOA-10

Prepbatch ID :

Sequence ID/Qc Batch ID: VX112224,VX112524,

Standard ID :
VP128290,VP128762,VP128766,VP130430,VP131134,VP131317,VP131746,VP131748,VP131749,VP131750,VP131767,VP131793,VP131794,VP131795,

Chemical ID :
V12794,V12798,V13390,V13391,V13444,V13462,V13463,V13707,V13797,V13810,V14018,V14019,V14107,V14108,V14145,V14147,V14148,V14150,V14154,V14171,V14172,V14203,V14206,V14215,V14289,V14436,V14443,V14573,V14574,V14575,W3112,

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
218	BFB, 25PPM	VP128290	06/10/2024	11/23/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 06/12/2024

FROM 0.25000ml of V13390 + 24.75000ml of V14148 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1810	8260 Working Std(2-CVE)-800ppm	VP128762	07/01/2024	12/11/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 07/02/2024

FROM 0.50000ml of V12798 + 1.50000ml of V12794 + 23.00000ml of V14147 = Final Quantity: 25.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
719	8260 Working STD (BCM)-First source, 400PPM	VP128766	07/01/2024	12/11/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 07/02/2024

FROM 1.50000ml of V13462 + 1.50000ml of V13463 + 12.00000ml of V14147 = Final Quantity: 15.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
617	8260 Surrogate, 400PPM	VP130430	09/20/2024	02/28/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 09/26/2024

FROM 0.40000ml of V13707 + 24.60000ml of V14145 = Final Quantity: 25.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
257	8260 Calibration Working STD Mix-First source, 160PPM	VP131134	10/28/2024	12/07/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 10/30/2024

FROM 0.40000ml of V13444 + 1.00000ml of V13797 + 1.00000ml of V13810 + 1.00000ml of V14018 + 1.00000ml of V14019 + 1.00000ml of V14107 + 1.00000ml of V14108 + 1.00000ml of V14171 + 1.00000ml of V14172 + 1.00000ml of V14203 + 1.00000ml of V14436 + 1.00000ml of V14443 + 1.50000ml of V14206 + 1.50000ml of V14215 + 10.60000ml of V14150 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
51	8260 Working STD (Acrolein) -first source, 800PPM	VP131317	11/07/2024	11/30/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/13/2024

FROM 1.00000ml of V14575 + 1.50000ml of V14573 + 1.50000ml of V14574 + 21.00000ml of V14150 = Final Quantity: 25.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
247	8260 Internal Standard, 250PPM	VP131746	11/22/2024	05/18/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/23/2024

FROM 0.50000ml of V14289 + 49.50000ml of V14154 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP131748	11/22/2024	11/23/2024	John Carlone	None	None	Mahesh Dadoda 11/23/2024

FROM 39.98400ml of W3112 + 0.01600ml of VP128290 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP131749	11/22/2024	11/23/2024	John Carlone	None	None	Mahesh Dadoda 11/23/2024

FROM 39.94450ml of W3112 + 0.00500ml of VP128766 + 0.00500ml of VP130430 + 0.00800ml of VP131746 + 0.01250ml of VP128762 + 0.01250ml of VP131134 + 0.01250ml of VP131317 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP131750	11/22/2024	11/23/2024	John Carlone	None	None	Mahesh Dadoda 11/23/2024

FROM 39.94450ml of W3112 + 0.00500ml of VP128766 + 0.00500ml of VP130430 + 0.00800ml of VP131746 + 0.01250ml of VP128762 + 0.01250ml of VP131134 + 0.01250ml of VP131317 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
218	BFB, 25PPM	VP131767	11/22/2024	05/18/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/27/2024

FROM 0.50000ml of V13391 + 49.50000ml of V14154 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP131793	11/25/2024	11/26/2024	John Carlone	None	None	Mahesh Dadoda 11/27/2024

FROM 39.98400ml of W3112 + 0.01600ml of VP131767 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP131794	11/25/2024	11/26/2024	John Carlone	None	None	Mahesh Dadoda 11/27/2024

FROM 39.94450ml of W3112 + 0.00500ml of VP128766 + 0.00500ml of VP130430 + 0.00800ml of VP131746 + 0.01250ml of VP128762 + 0.01250ml of VP131134 + 0.01250ml of VP131317 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP131795	11/25/2024	11/26/2024	John Carlone	None	None	Mahesh Dadoda 11/27/2024

FROM 39.94450ml of W3112 + 0.00500ml of VP128766 + 0.00500ml of VP130430 + 0.00800ml of VP131746 + 0.01250ml of VP128762 + 0.01250ml of VP131134 + 0.01250ml of VP131317 = Final Quantity: 40.000 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	121321	12/13/2024	06/25/2024 / SAM	03/30/2022 / SAM	V12794

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	121321	12/13/2024	06/25/2024 / SAM	03/30/2022 / SAM	V12798

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30067 / BFB tuneing solution	A0191805	12/08/2024	12/08/2023 / SAM	01/13/2023 / SAM	V13390

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30067 / BFB tuneing solution	A0191805	11/22/2025	11/22/2024 / SAM	01/13/2023 / SAM	V13391

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM	A0181905	12/14/2024	06/14/2024 / SAM	01/23/2023 / SAM	V13444

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	01/01/2025	07/01/2024 / SAM	01/27/2023 / SAM	V13462

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	01/01/2025	07/01/2024 / SAM	01/27/2023 / SAM	V13463

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0196865	06/10/2025	06/10/2024 / SAM	04/12/2023 / SAM	V13707

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0194279	04/17/2025	10/17/2024 / SAM	05/31/2023 / SAM	V13797

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0194279	04/17/2025	10/17/2024 / SAM	05/31/2023 / SAM	V13810

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	032922	03/16/2025	09/16/2024 / SAM	11/22/2023 / SAM	V14018

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	032922	03/16/2025	09/16/2024 / SAM	11/22/2023 / SAM	V14019

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0205179	04/17/2025	10/17/2024 / SAM	12/22/2023 / SAM	V14107

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0205179	03/16/2025	09/16/2024 / SAM	12/22/2023 / SAM	V14108

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	02/28/2025	08/29/2024 / SAM	02/06/2024 / SAM	V14145

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	12/11/2024	06/11/2024 / pedro	02/06/2024 / SAM	V14147

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	11/23/2024	05/23/2024 / pedro	02/06/2024 / SAM	V14148

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	04/23/2025	10/23/2024 / Rajesh	02/06/2024 / SAM	V14150

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	05/18/2025	11/18/2024 / pedro	02/06/2024 / SAM	V14154

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	03/16/2025	09/16/2024 / SAM	02/20/2024 / SAM	V14171

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	03/16/2025	09/16/2024 / SAM	02/20/2024 / SAM	V14172

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0200785	04/17/2025	10/17/2024 / SAM	02/28/2024 / SAM	V14203

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0200785	04/17/2025	10/17/2024 / SAM	02/28/2024 / SAM	V14206

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0200785	03/16/2025	09/16/2024 / SAM	02/28/2024 / SAM	V14215

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555581 / Custom Standard, 8260 Internal Std [CS 5179-1]	A0210184	11/22/2025	11/22/2024 / SAM	04/15/2024 / SAM	V14289

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	09/30/2025	09/16/2024 / SAM	08/15/2024 / SAM	V14436

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	03/16/2025	09/16/2024 / SAM	08/15/2024 / SAM	V14443

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	103024	11/30/2024	11/04/2024 / SAM	11/01/2024 / SAM	V14573

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	103024	11/30/2024	11/04/2024 / SAM	11/01/2024 / SAM	V14574

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	103024	11/30/2024	11/04/2024 / SAM	11/01/2024 / SAM	V14575

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Lot#
Methanol EG359-USQ12

Formulated By: Prashant Chauhan 021624 DATE

Reviewed By: Pedro L. Rentas 021624 DATE

Weight(s) shown below were combined and diluted to (mL):	100.0	0.021	Flask Uncertainty
		5E-05	Balance Uncertainty

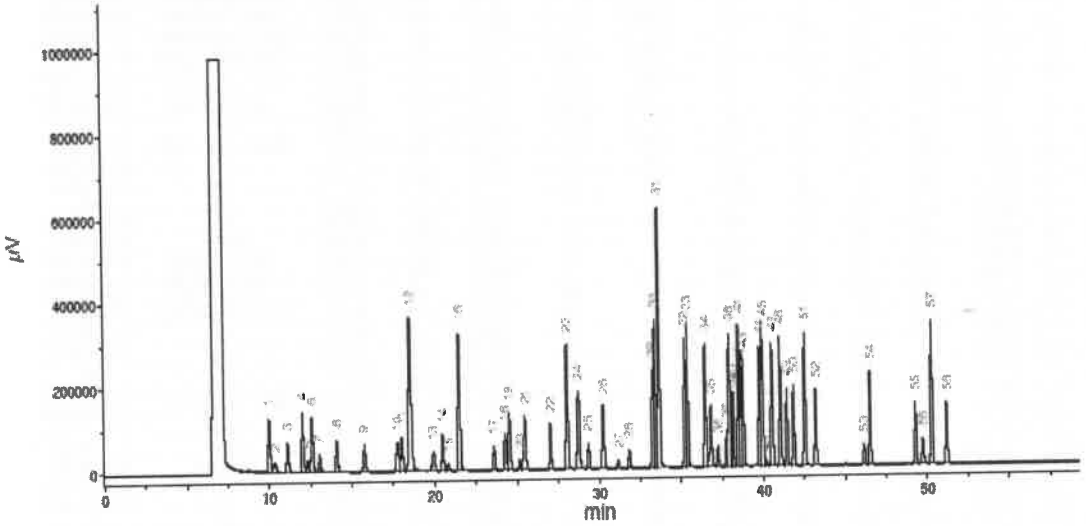
Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3. Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0486)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	IK18CAS000(	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7. Ethyl methacrylate	(0361)	06126PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8. Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11. Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12. Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14. 2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15. Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16. 1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17. Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 848mg/kg
19. cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20. trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22. 1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23. Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25. Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26. Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28. 2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29. Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.6	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30. 1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32. 1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33. 1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34. 1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35. 1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36. 1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37. cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38. trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.8	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (46mg/m3/8H)(skin)	orl-rat 836mg/kg
43. Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44. 1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45. Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46. Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47. n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51. Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56. 1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.6	22.9	98-06-6	N/A	N/A
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61. 2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65. 1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66. Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67. n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 6040mg/kg
68. o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69. p-Xylene	35163	101923	0.05	5.00	40000.6	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening sample, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty References: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 [2000µg/mL in MeOH]"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,2-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.46
13	Isobutanol/1,1,1-Trichloroethane	19.91
14	1,1-Dichloropropene	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.49
17	Trichloroethene	23.58
18	1,2-Dichloropropane	24.28
19	Methyl methacrylate	24.52
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.05
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.24
27	Dibromochloromethane	31.16
28	1,2-Dibromoethene	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.88
32	o-Xylene	35.22
33	Styrene	35.38
34	Isopropylbenzene/Bromoform	36.18
35	cis-1,4-Dichloro-2-Butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.93
39	trans-1,4-Dichloro-2-Butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.80
42	2-Chlorotoluene	38.82
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.53
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.46
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	**1-352-323-3500**
		Date Prepared/Revised	January 1, 2023

Section II - Hazards Identification

GHS Classification In accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — Vapours may form explosive mixture with air.
Conditions to avoid — Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid — Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Lot#
Methanol EG359-USQ12

Formulated By: Prashant Chauhan 021624 DATE

Reviewed By: Pedro L. Rentas 021624 DATE

Weight(s) shown below were combined and diluted to (mL):	100.0	0.021	Flask Uncertainty
		5E-05	Balance Uncertainty

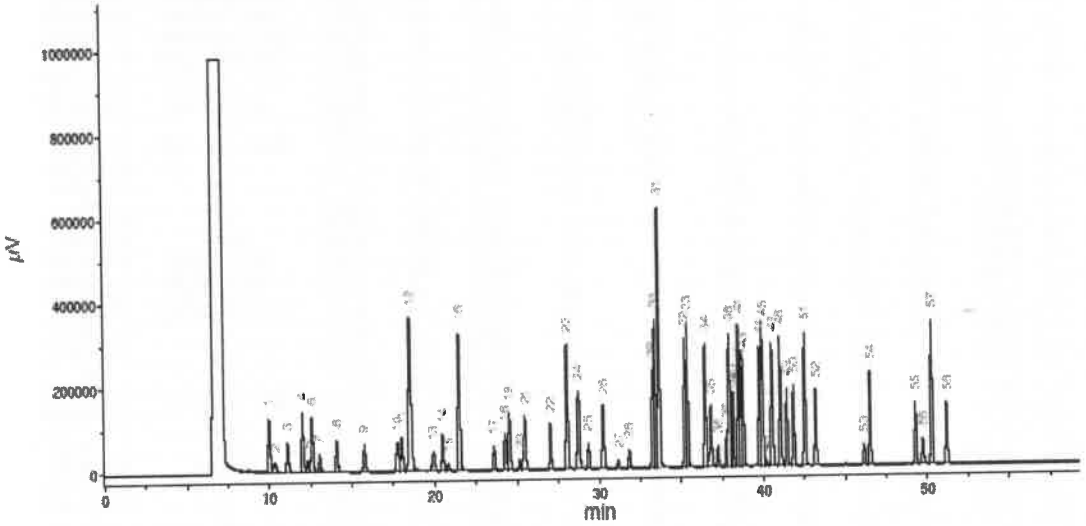
Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3. Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0486)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	IK18CAS000(	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7. Ethyl methacrylate	(0361)	06126PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8. Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11. Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12. Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14. 2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15. Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16. 1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17. Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 848mg/kg
19. cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20. trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22. 1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23. Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25. Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26. Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28. 2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29. Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.6	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30. 1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32. 1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33. 1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34. 1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35. 1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36. 1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37. cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38. trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.8	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (46mg/m3/8H)(skin)	orl-rat 836mg/kg
43. Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44. 1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45. Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46. Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47. n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51. Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56. 1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.6	22.9	98-06-6	N/A	N/A
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61. 2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65. 1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66. Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67. n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 6040mg/kg
68. o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69. p-Xylene	35163	101923	0.05	5.00	40000.6	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening sample, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty References: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 [2000µg/mL in MeOH]"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,2-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.46
13	Isobutanol/1,1,1-Trichloroethane	19.91
14	1,1-Dichloropropene	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.49
17	Trichloroethene	23.58
18	1,2-Dichloropropane	24.28
19	Methyl methacrylate	24.52
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.05
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.24
27	Dibromochloromethane	31.16
28	1,2-Dibromoethene	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.88
32	o-Xylene	35.22
33	Styrene	35.38
34	Isopropylbenzene/Bromoform	36.18
35	cis-1,4-Dichloro-2-Butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.93
39	trans-1,4-Dichloro-2-Butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.80
42	2-Chlorotoluene	38.82
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.53
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.46
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.
PO Box 5585
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Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	**1-352-323-3500**
		Date Prepared/Revised	January 1, 2023

Section II - Hazards Identification

GHS Classification In accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — Vapours may form explosive mixture with air.
Conditions to avoid — Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid — Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
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Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

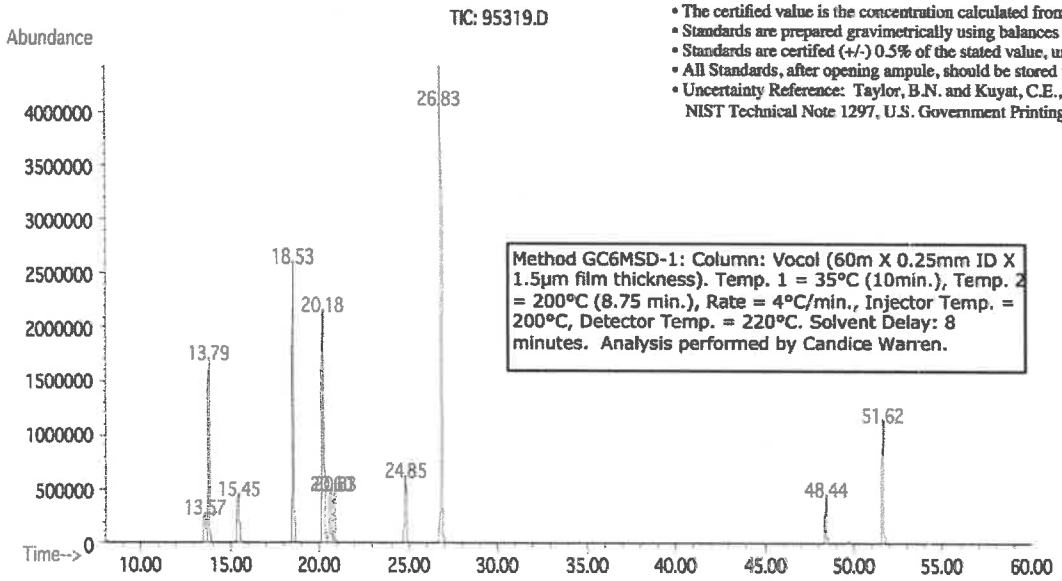
Part Number: 95319
Lot Number: 032922
Description: Revised Additions Mix
11 components
Expiration Date: 032925
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6UTB 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.012 Flask Uncertainty

Solvent(s): Methanol **Lot#** EC592-US

Formulated By: Prashant Chauhan 032922 DATE

Reviewed By: Pedro L. Rentas 032922 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrylonitrile	7	4718CK	10000	99	0.2	1.01015	1.01030	10001.5	40.5	107-13-1	N/A	orl-rat 78 mg/kg
2. 1-Chlorobutane	1072	MKCM5711	2000	99.99	0.2	0.20003	0.20020	2001.7	8.1	109-69-3	N/A	orl-rat 2670mg/kg
3. Cyclohexane	1023	28930	2000	99	0.2	0.20203	0.20215	2001.2	8.2	110-82-7	300 ppm (1050mg/m3/8H)	orl-rat 12705mg/kg
4. Di-isopropyl ether (DIPE)	987	00412MX	2000	99	0.2	0.20203	0.20215	2001.2	8.2	108-20-3	500 ppm (2100mg/m3/8H)	orl-rat 8470mg/kg
5. 1,4-Dioxane	373	03853KE	40000	99	0.2	4.04060	4.04100	40004.0	161.9	123-91-1	25 ppm (90mg/m3/8H)(skin)	orl-mus 5700mg/kg
6. Hexachloroethane	199	12604HBV	2000	99	0.2	0.20203	0.20213	2001.0	8.2	67-72-1	1 ppm (10mg/m3/8H)(skin)	orl-gpg 4970mg/kg
7. Methylcyclohexane	1627	08046KN	2000	99	0.2	0.20203	0.20215	2001.2	8.2	108-87-2	N/A	N/A
8. Methyl tert-butyl ether (MTBE)	209	02197JJ	2000	99.8	0.2	0.20041	0.20055	2001.4	8.1	1634-04-4	N/A	orl-rat 4g/kg
9. Propionitrile	349	1395468	20000	99	0.2	2.02030	2.02045	20001.5	81.0	107-12-0	N/A	orl-rat 39mg/kg
10. Tetrahydrofuran	380	SHBH8330	10000	99.9	0.2	1.00105	1.00120	10001.5	40.1	109-99-9	20 ppm (590mg/m3/8H)	orl-rat 1650mg/kg
11. 1,2,3,4-Tetramethylbenzene	491	AP01	2000	93	0.2	0.21506	0.21520	2001.3	8.7	488-23-3	N/A	orl-rat 6408mg/kg



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Method GC6MSD-1: Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Temp. 1 = 35°C (10min.), Temp. 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Solvent Delay: 8 minutes. Analysis performed by Candice Warren.

Name	MSD RT (min.)
Methyl tert-butyl ether (MTBE)	13.56
Acrylonitrile	13.79
Di-isopropyl ether	15.44
Propionitrile	18.53
Tetrahydrofuran	20.17
Cyclohexane	20.58
1-Chlorobutane	20.83
Methylcyclohexane	24.84
1,4-Dioxane	26.84
Hexachloroethane	48.44
1,2,3,4-Tetramethylbenzene	51.62

Absolute Standards Inc.

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Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2023

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components:	CAS#:	LD50 Oral - Rat	OSHA PEL	% (optional)
Methanol	67-56-1	2,769 mg/kg	200 ppm	> 99

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
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www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

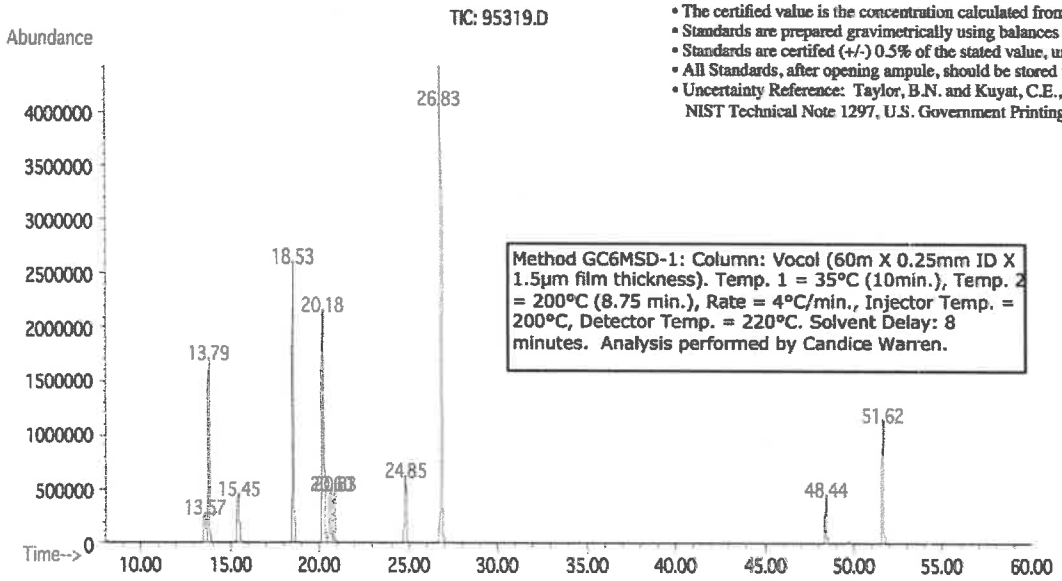
Part Number: 95319
Lot Number: 032922
Description: Revised Additions Mix
11 components
Expiration Date: 032925
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6UTB 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.012 Flask Uncertainty

Solvent(s): Methanol **Lot#** EC592-US

Formulated By: Prashant Chauhan 032922 DATE

Reviewed By: Pedro L. Rentas 032922 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrylonitrile	7	4718CK	10000	99	0.2	1.01015	1.01030	10001.5	40.5	107-13-1	N/A	orl-rat 78 mg/kg
2. 1-Chlorobutane	1072	MKCM5711	2000	99.99	0.2	0.20003	0.20020	2001.7	8.1	109-69-3	N/A	orl-rat 2670mg/kg
3. Cyclohexane	1023	28930	2000	99	0.2	0.20203	0.20215	2001.2	8.2	110-82-7	300 ppm (1050mg/m3/8H)	orl-rat 12705mg/kg
4. Di-isopropyl ether (DIPE)	987	00412MX	2000	99	0.2	0.20203	0.20215	2001.2	8.2	108-20-3	500 ppm (2100mg/m3/8H)	orl-rat 8470mg/kg
5. 1,4-Dioxane	373	03853KE	40000	99	0.2	4.04060	4.04100	40004.0	161.9	123-91-1	25 ppm (90mg/m3/8H)(skin)	orl-mus 5700mg/kg
6. Hexachloroethane	199	12604HBV	2000	99	0.2	0.20203	0.20213	2001.0	8.2	67-72-1	1 ppm (10mg/m3/8H)(skin)	orl-gpg 4970mg/kg
7. Methylcyclohexane	1627	08046KN	2000	99	0.2	0.20203	0.20215	2001.2	8.2	108-87-2	N/A	N/A
8. Methyl tert-butyl ether (MTBE)	209	02197JJ	2000	99.8	0.2	0.20041	0.20055	2001.4	8.1	1634-04-4	N/A	orl-rat 4g/kg
9. Propionitrile	349	1395468	20000	99	0.2	2.02030	2.02045	20001.5	81.0	107-12-0	N/A	orl-rat 39mg/kg
10. Tetrahydrofuran	380	SHBH8330	10000	99.9	0.2	1.00105	1.00120	10001.5	40.1	109-99-9	20 ppm (590mg/m3/8H)	orl-rat 1650mg/kg
11. 1,2,3,4-Tetramethylbenzene	491	AP01	2000	93	0.2	0.21506	0.21520	2001.3	8.7	488-23-3	N/A	orl-rat 6408mg/kg



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Method GC6MSD-1: Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Temp. 1 = 35°C (10min.), Temp. 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Solvent Delay: 8 minutes. Analysis performed by Candice Warren.

Name	MSD RT (min.)
Methyl tert-butyl ether (MTBE)	13.56
Acrylonitrile	13.79
Di-isopropyl ether	15.44
Propionitrile	18.53
Tetrahydrofuran	20.17
Cyclohexane	20.58
1-Chlorobutane	20.83
Methylcyclohexane	24.84
1,4-Dioxane	26.84
Hexachloroethane	48.44
1,2,3,4-Tetramethylbenzene	51.62

Absolute Standards Inc.

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Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2023

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components:	CAS#:	LD50 Oral - Rat	OSHA PEL	% (optional)
Methanol	67-56-1	2,769 mg/kg	200 ppm	> 99

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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Certified Reference Material CRM

5 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 103024
Description: Acrolein

Expiration Date: 113024
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

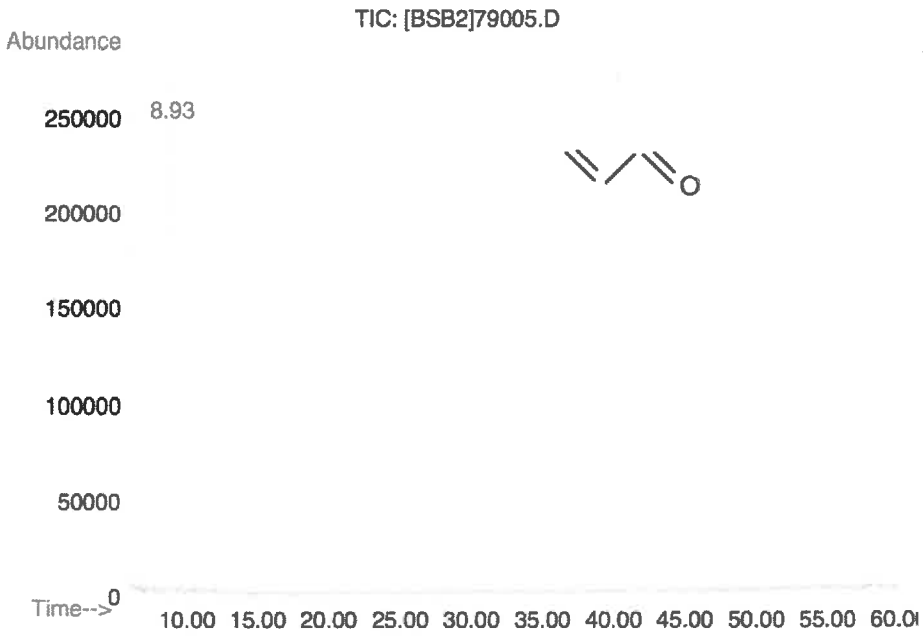
Solvent(s): **Lot#**
Water 072324Q

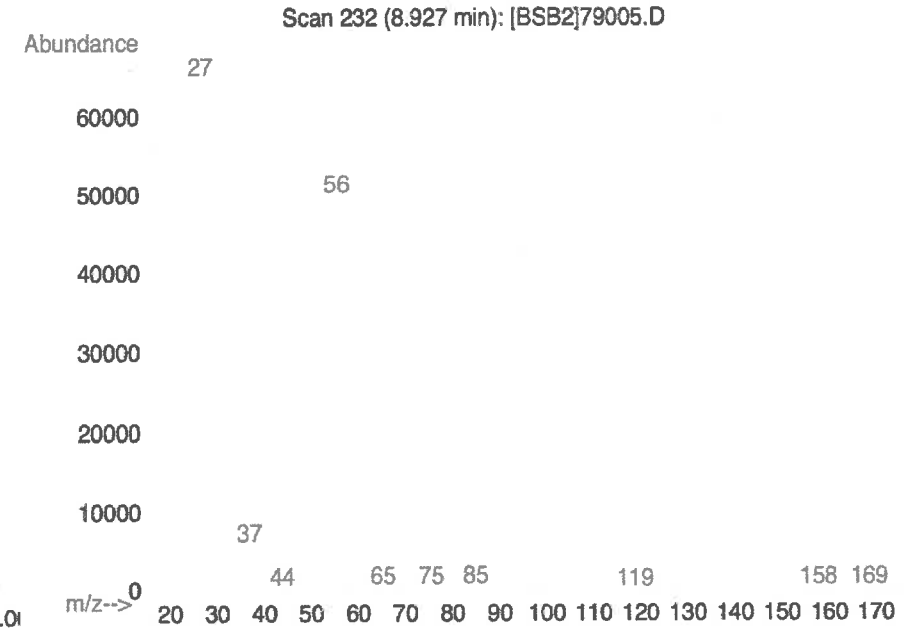
Formulated By:	Lawrence Barry	103024 DATE
Reviewed By:	Pedro L. Rentas	103024 DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 20.0 0.002 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755R02H	5000	97	0.5	0.10307	0.10322	5007.0	51.9	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).**
- **Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN WATER**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	**Use in ventilated area**	**H315**	**Causes skin and eye irritation.**
P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
		P305,351,338	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Water	CAS#: 7732-18-5	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water CAS#: 7732-18-5 TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water Completely miscible

Appearance and Odor CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions NA
Conditions to avoid NA
Materials to avoid NA
Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat NA
LC50 Inhalation - Rat NA
LD50 Dermal - Guinea pig NA
Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50 NA
EC50 NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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Certified Reference Material CRM

5 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 103024
Description: Acrolein

Expiration Date: 113024
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

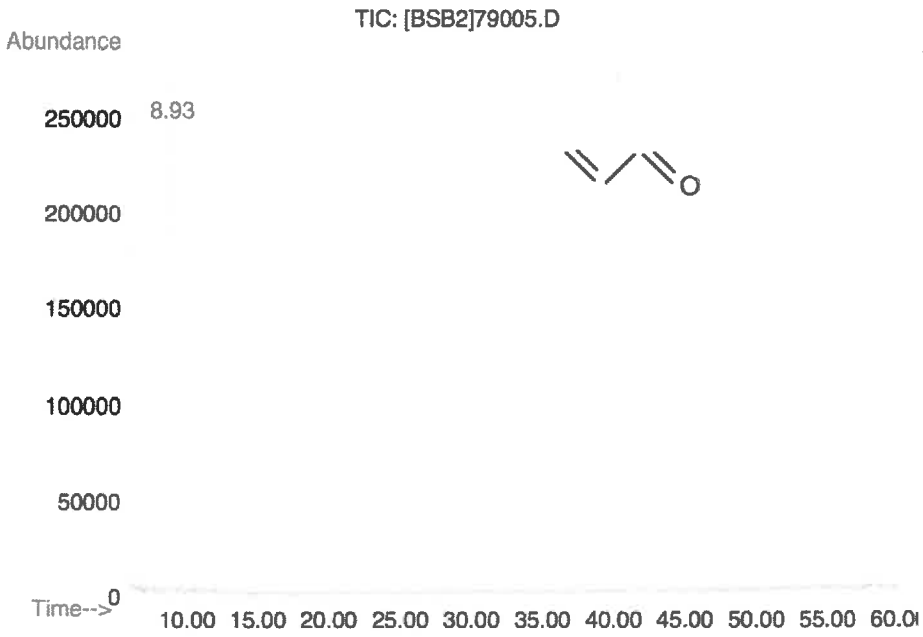
Solvent(s): **Lot#**
Water 072324Q

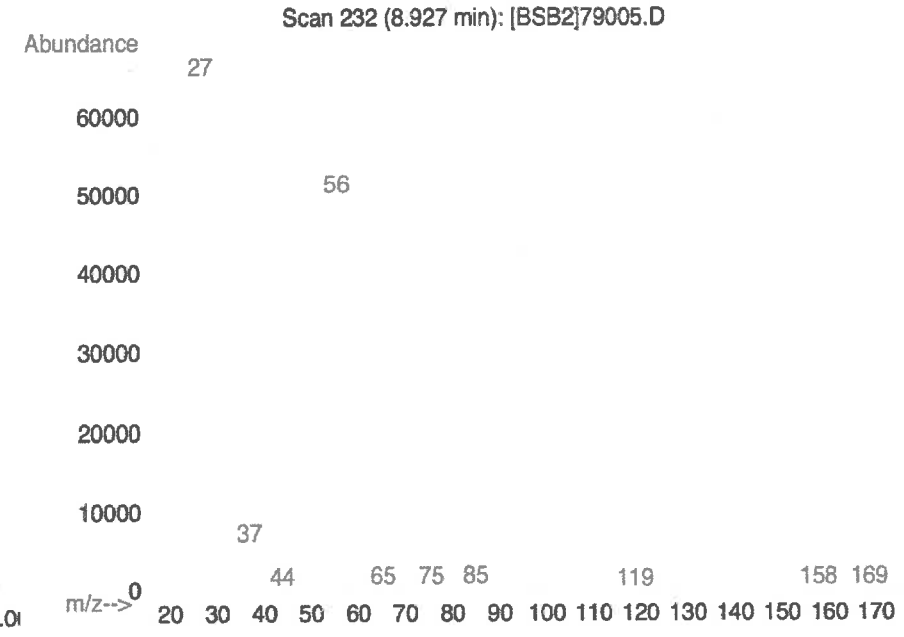
Formulated By:	Lawrence Barry	103024 DATE
Reviewed By:	Pedro L. Rentas	103024 DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 20.0 0.002 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755R02H	5000	97	0.5	0.10307	0.10322	5007.0	51.9	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

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Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	**Use in ventilated area**	**H315**	**Causes skin and eye irritation.**
P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
		P305,351,338	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Water	CAS#: 7732-18-5	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water CAS#: 7732-18-5 TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water Completely miscible

Appearance and Odor CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions NA
Conditions to avoid NA
Materials to avoid NA
Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat NA
LC50 Inhalation - Rat NA
LD50 Dermal - Guinea pig NA
Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50 NA
EC50 NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

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CERTIFIED WEIGHT REPORT

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Nominal Concentration (µg/mL): 5000
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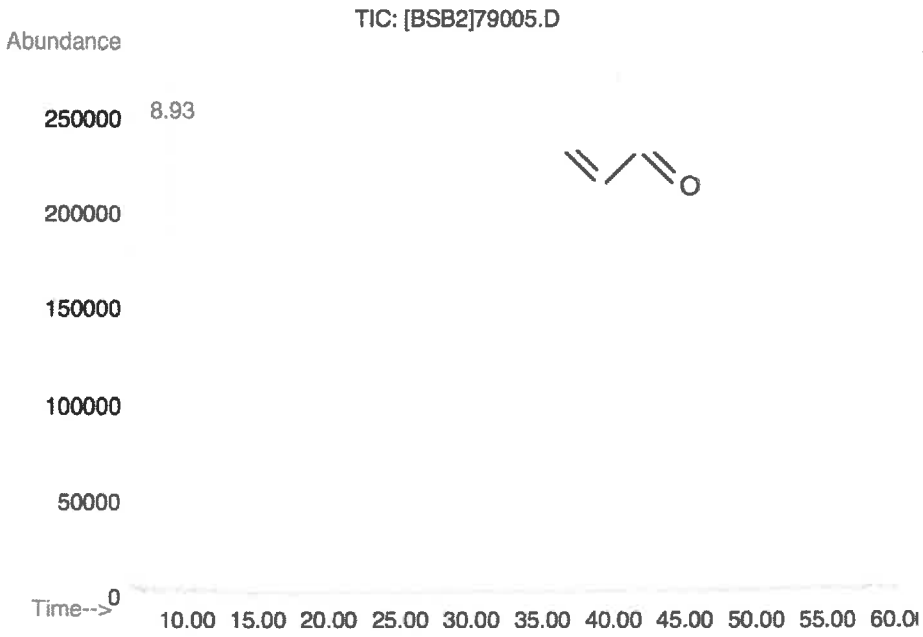
Solvent(s): **Lot#**
Water 072324Q

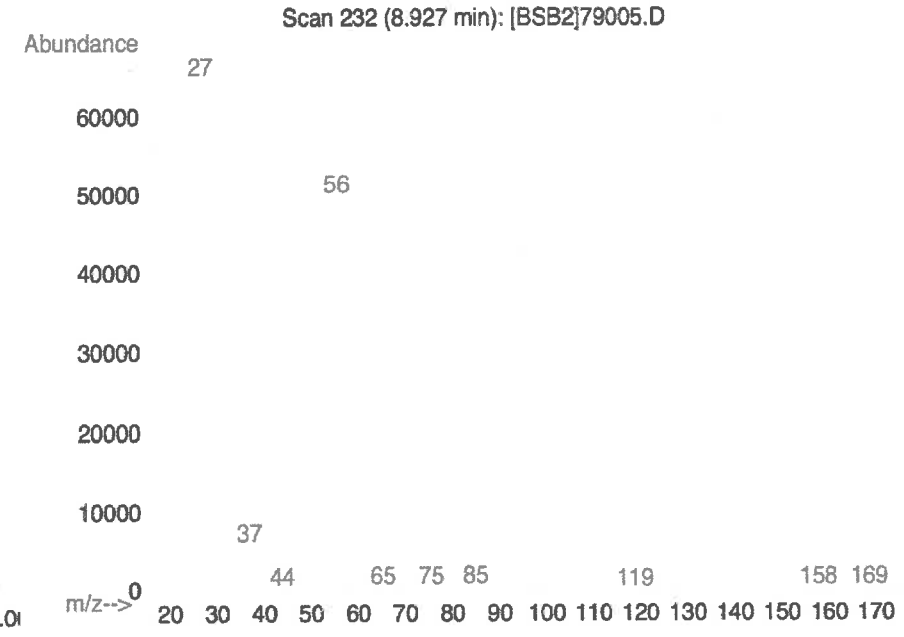
Formulated By:	Lawrence Barry	103024 DATE
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5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 20.0 0.002 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755R02H	5000	97	0.5	0.10307	0.10322	5007.0	51.9	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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Safety Data Sheet (SDS) GHS/OSHA Compliant

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	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

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GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	**Use in ventilated area**	**H315**	**Causes skin and eye irritation.**
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Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Water	CAS#: 7732-18-5	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

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Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water CAS#: 7732-18-5 TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water Completely miscible

Appearance and Odor CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions NA
Conditions to avoid NA
Materials to avoid NA
Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat NA
LC50 Inhalation - Rat NA
LD50 Dermal - Guinea pig NA
Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50 NA
EC50 NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 121321
Description: 2-Chloroethyl vinyl ether

Expiration Date: 121324
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

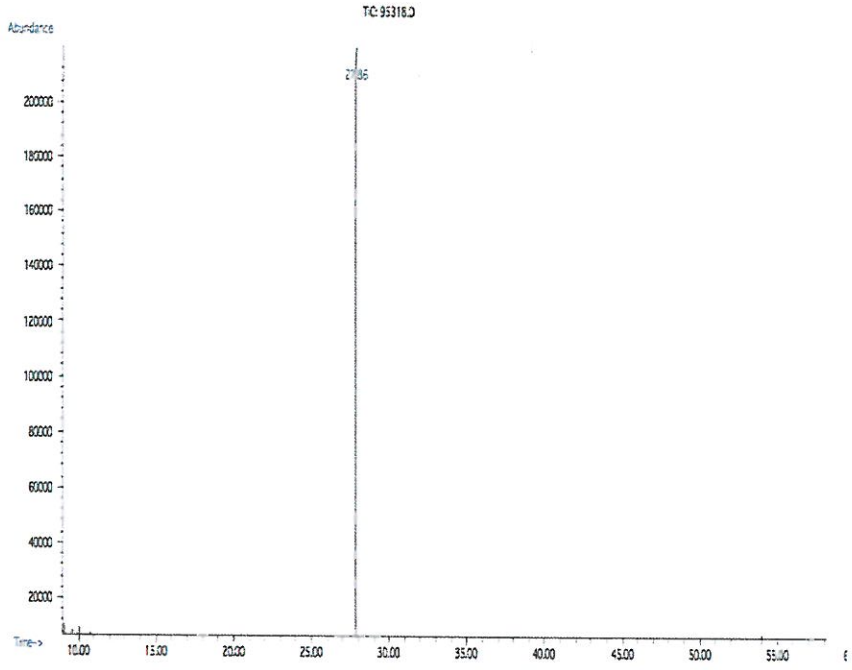
Solvent(s): **Lot#**
Methanol EA899-US

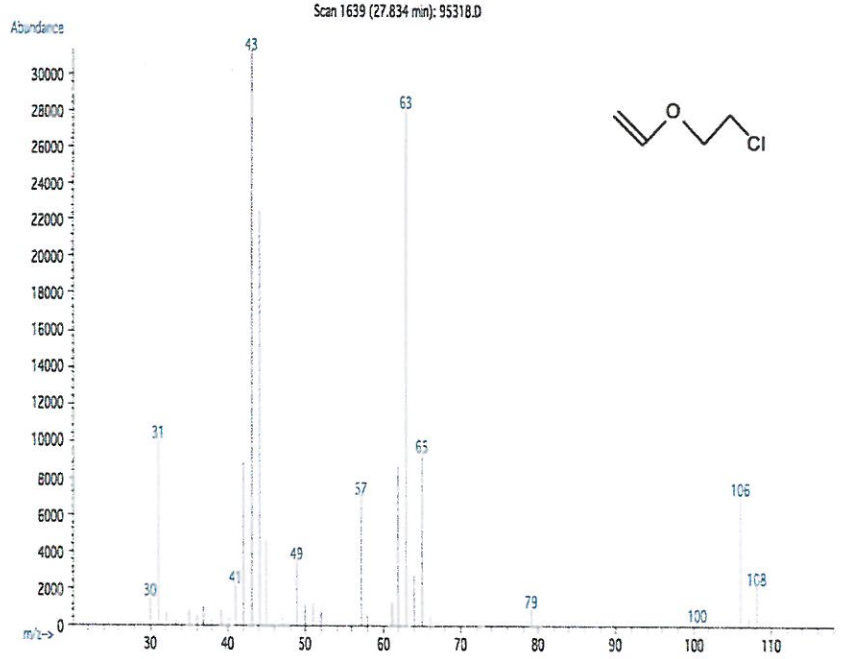
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 30.0 0.0003 Flask Uncertainty

		121321
Formulated By:	Benson Chan	DATE
		121321
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.30320	0.30411	10030.2	40.7	110-75-8	N/A	orl-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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Certified Reference Material CRM

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https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 121321
Description: 2-Chloroethyl vinyl ether

Expiration Date: 121324
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

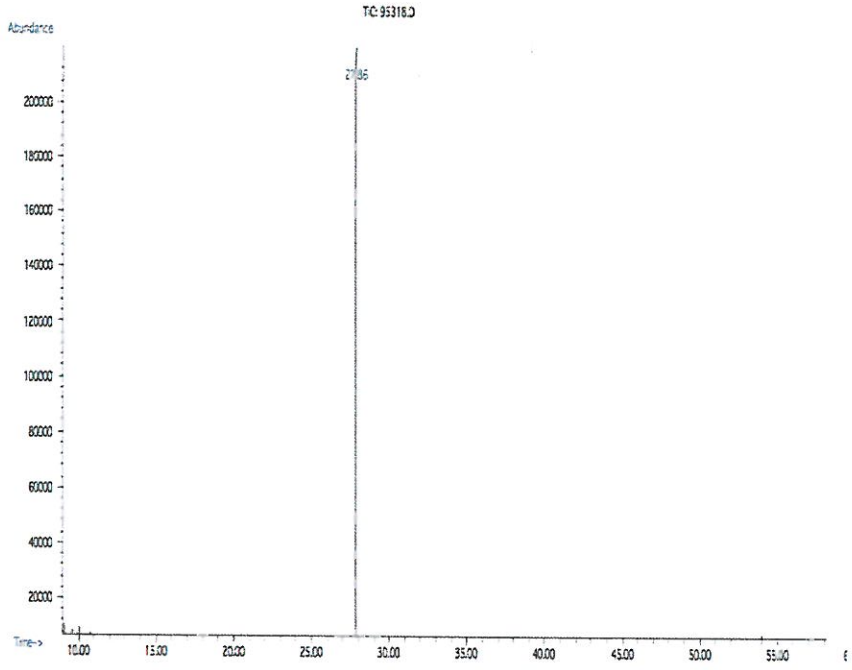
Solvent(s): **Lot#**
Methanol EA899-US

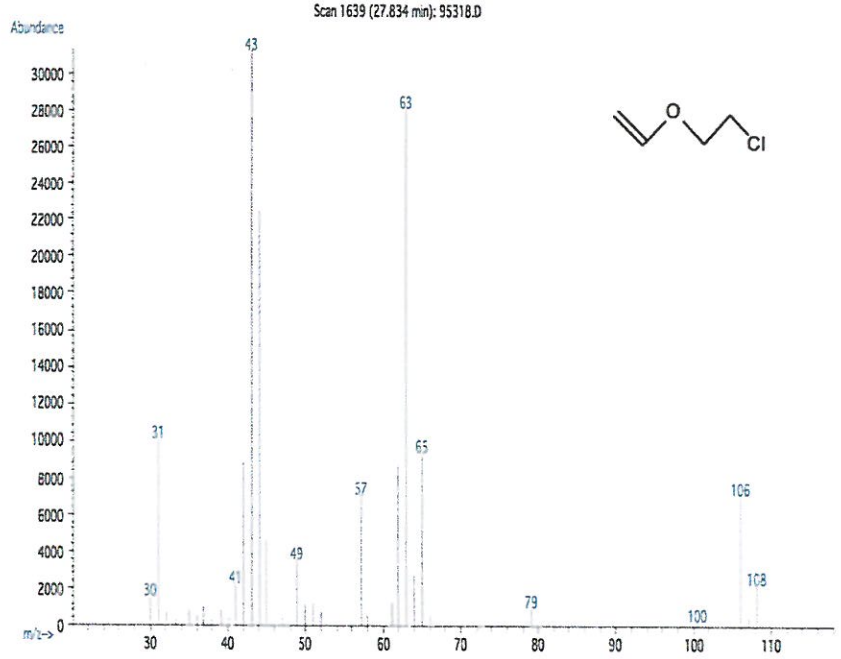
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 30.0 0.0003 Flask Uncertainty

		121321
Formulated By:	Benson Chan	DATE
		121321
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.30320	0.30411	10030.2	40.7	110-75-8	N/A	orl-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30470 **Lot No.:** A0181905

Description : tert-Butanol Standard

tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2025 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	tert-Butanol (TBA)	50,126.0 µg/mL	+/- 293.4988 µg/mL	Gravimetric
	CAS # 75-65-0 (Lot SHBM7694)		+/- 1,073.7654 µg/mL	Unstressed
	Purity 99%		+/- 1,104.9494 µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

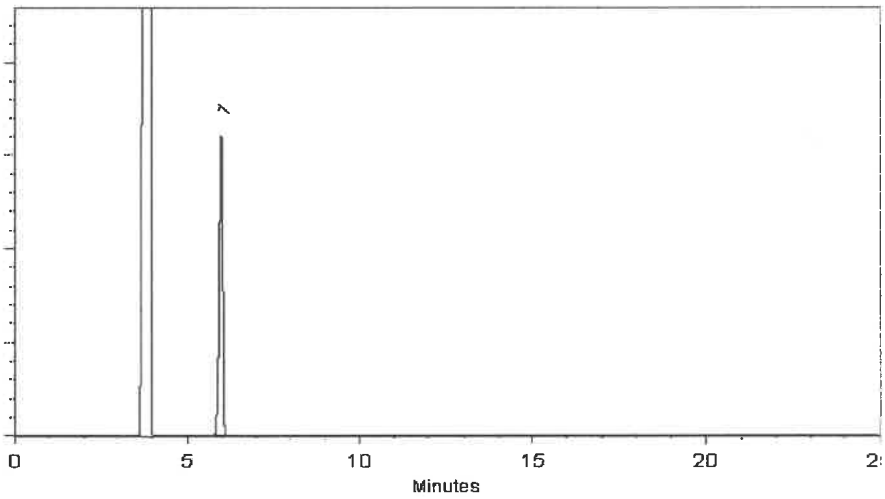
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

John Friedline - Operations Technician I

Date Mixed: 16-Feb-2022 **Balance:** B442140311

Marlina Cowan - Operations Tech I

Date Passed: 21-Feb-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30067 **Lot No.:** A0191805

Description : 4-Bromofluorobenzene Standard

4-Bromofluorobenzene Standard 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	2,483.9 µg/mL	+/- 139.5488

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

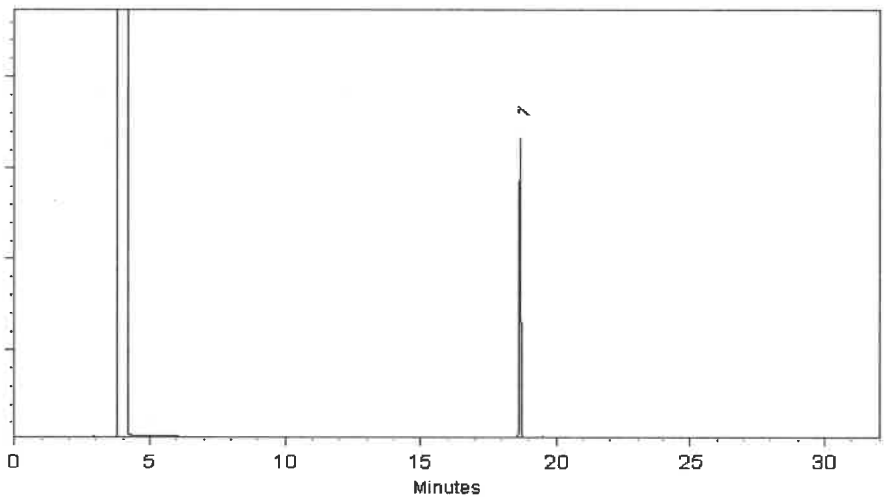
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Alicia Leathers - Operation Technician I **Date Mixed:** 17-Nov-2022 **Balance Serial #** B251644995

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 21-Nov-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30067 **Lot No.:** A0191805

Description : 4-Bromofluorobenzene Standard

4-Bromofluorobenzene Standard 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	2,483.9 µg/mL	+/- 139.5488

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

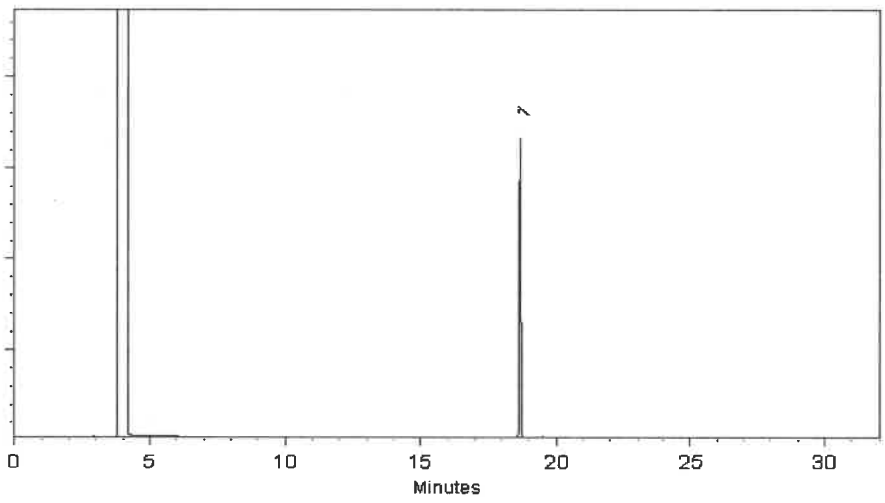
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Alicia Leathers - Operation Technician I **Date Mixed:** 17-Nov-2022 **Balance Serial #** B251644995

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 21-Nov-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

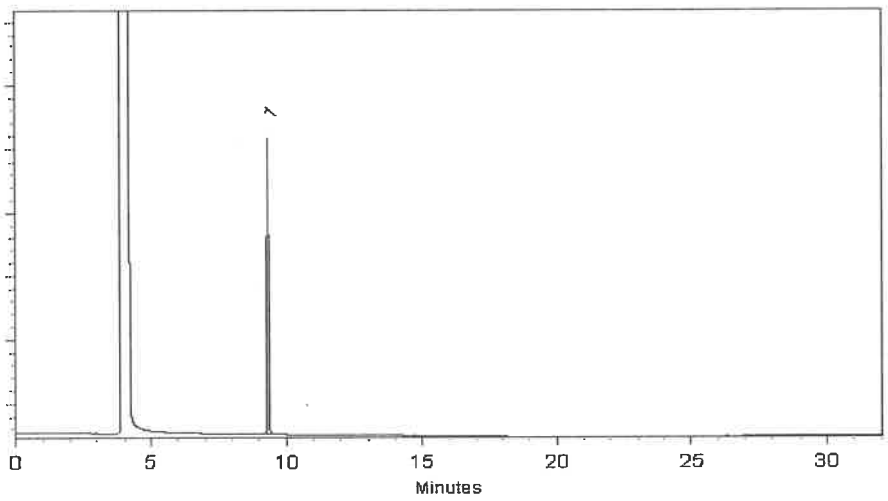
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

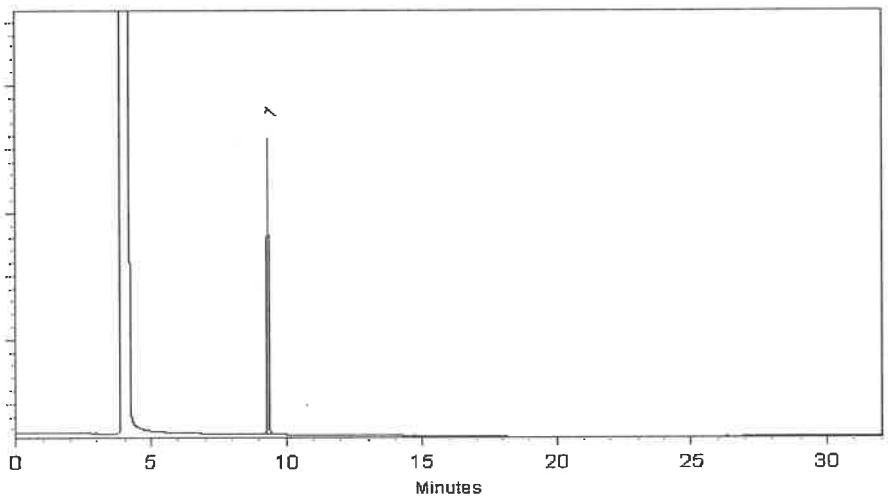
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0194279

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00012554	99%	2,001.5 µg/mL	+/- 112.7231
2	Chloromethane (methyl chloride)	74-87-3	SHBK6571	99%	2,001.2 µg/mL	+/- 112.5863
3	Vinyl chloride	75-01-4	00015559	99%	2,001.4 µg/mL	+/- 112.6561
4	Bromomethane (methyl bromide)	74-83-9	101604	99%	2,006.4 µg/mL	+/- 112.8262
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,001.9 µg/mL	+/- 112.5897
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCL8411	99%	2,000.8 µg/mL	+/- 112.6473

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

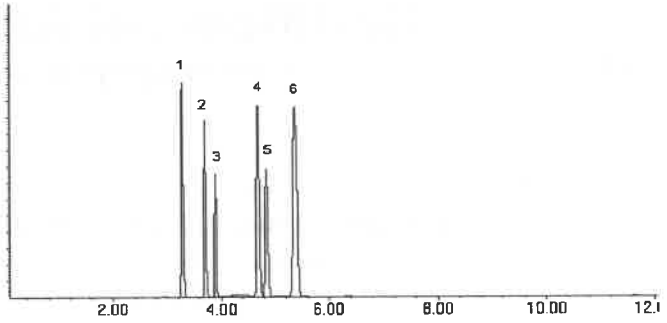
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 03-Feb-2023 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 07-Feb-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0194279

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00012554	99%	2,001.5 µg/mL	+/- 112.7231
2	Chloromethane (methyl chloride)	74-87-3	SHBK6571	99%	2,001.2 µg/mL	+/- 112.5863
3	Vinyl chloride	75-01-4	00015559	99%	2,001.4 µg/mL	+/- 112.6561
4	Bromomethane (methyl bromide)	74-83-9	101604	99%	2,006.4 µg/mL	+/- 112.8262
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,001.9 µg/mL	+/- 112.5897
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCL8411	99%	2,000.8 µg/mL	+/- 112.6473

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

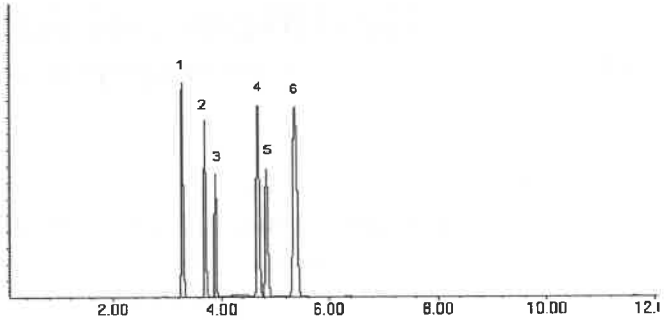
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 03-Feb-2023 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 07-Feb-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555582 **Lot No.:** A0196865

Description : Custom 8260A/B Surrogate Mix

Custom 8260A/B Surrogate Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2-Dichloroethane-d4	17060-07-0	PR-32845	99%	25,036.0 µg/mL	+/- 1,417.9179
2	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	25,132.0 µg/mL	+/- 1,423.3549
3	Dibromofluoromethane	1868-53-7	022013	99%	25,040.0 µg/mL	+/- 1,418.1445
4	Toluene-d8	2037-26-5	PR-33397	99%	25,028.0 µg/mL	+/- 1,417.4648

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 11-Apr-2023 **Balance:** 1127510105

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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Handling Notes:

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0200785

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	5,018.5 µg/mL	+/- 173.4162
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	5,016.0 µg/mL	+/- 173.3298
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,010.7 µg/mL	+/- 173.1455
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,015.0 µg/mL	+/- 173.2952

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

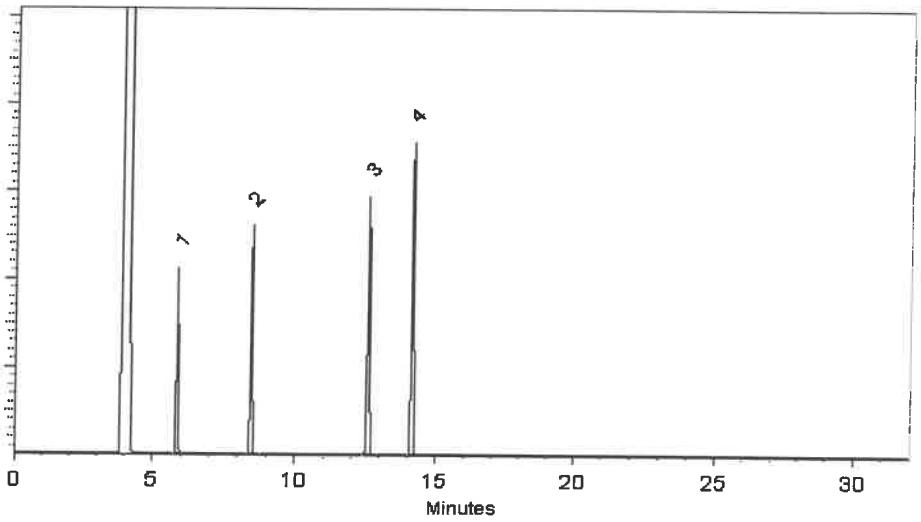
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 09-Aug-2023 **Balance Serial #** B707717271

Marlina Cowan – Operations Tech II ARM QC

Date Passed: 16-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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Manufacturing Notes:

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Handling Notes:

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0200785

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	5,018.5 µg/mL	+/- 173.4162
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	5,016.0 µg/mL	+/- 173.3298
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,010.7 µg/mL	+/- 173.1455
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,015.0 µg/mL	+/- 173.2952

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

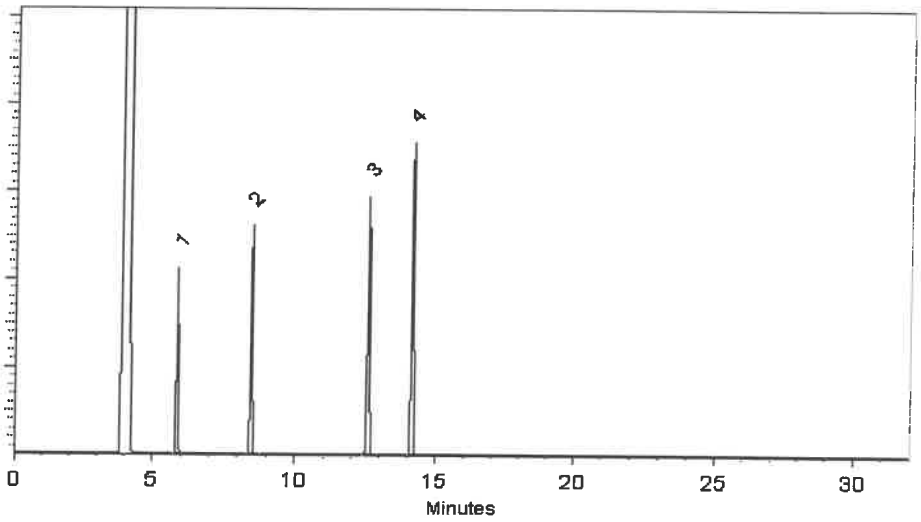
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 09-Aug-2023 **Balance Serial #** B707717271

Marlina Cowan – Operations Tech II ARM QC

Date Passed: 16-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0200785

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	5,018.5 µg/mL	+/- 173.4162
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	5,016.0 µg/mL	+/- 173.3298
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,010.7 µg/mL	+/- 173.1455
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,015.0 µg/mL	+/- 173.2952

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

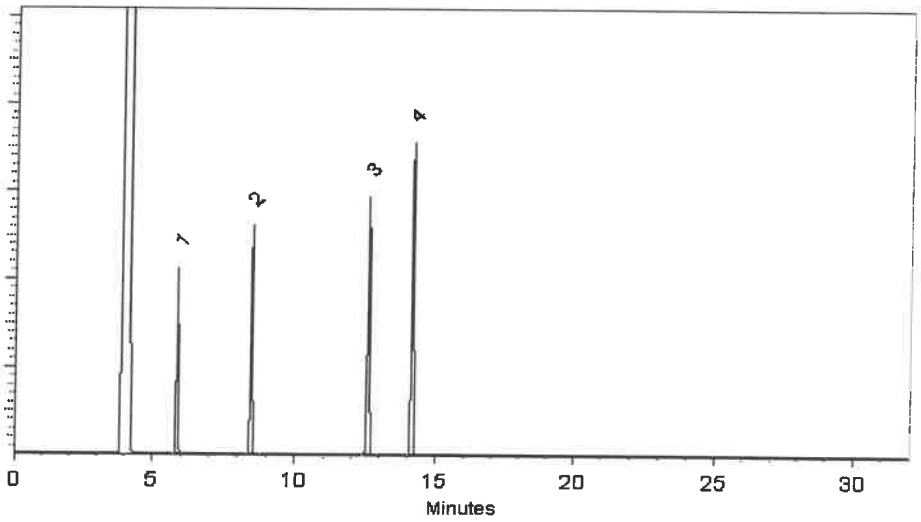
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 09-Aug-2023 **Balance Serial #** B707717271

Marlina Cowan – Operations Tech II ARM QC

Date Passed: 16-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0205179

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RP231030CTH	98%	8,075.2 µg/mL	+/- 279.1159

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

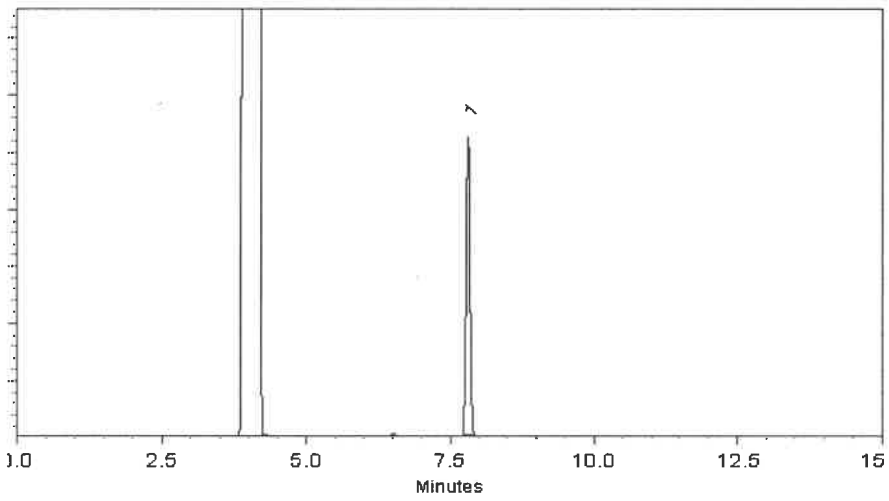
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Daniel Wasson - Operations Tech I **Date Mixed:** 06-Dec-2023 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 11-Dec-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0205179

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RP231030CTH	98%	8,075.2 µg/mL	+/- 279.1159

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

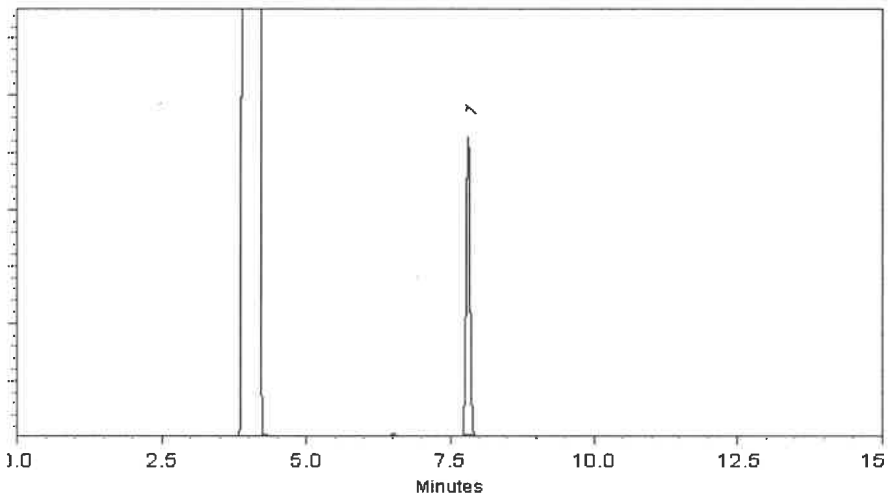
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Daniel Wasson - Operations Tech I **Date Mixed:** 06-Dec-2023 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 11-Dec-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

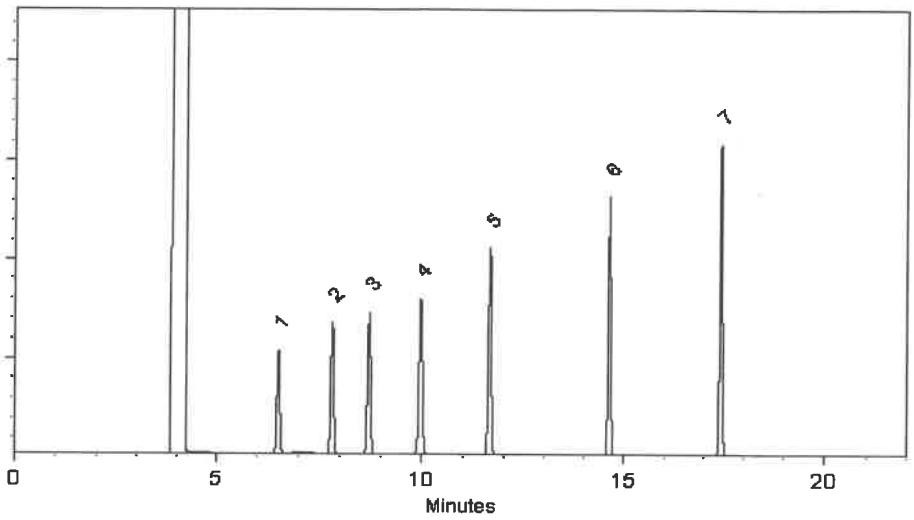
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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ACCREDITED
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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

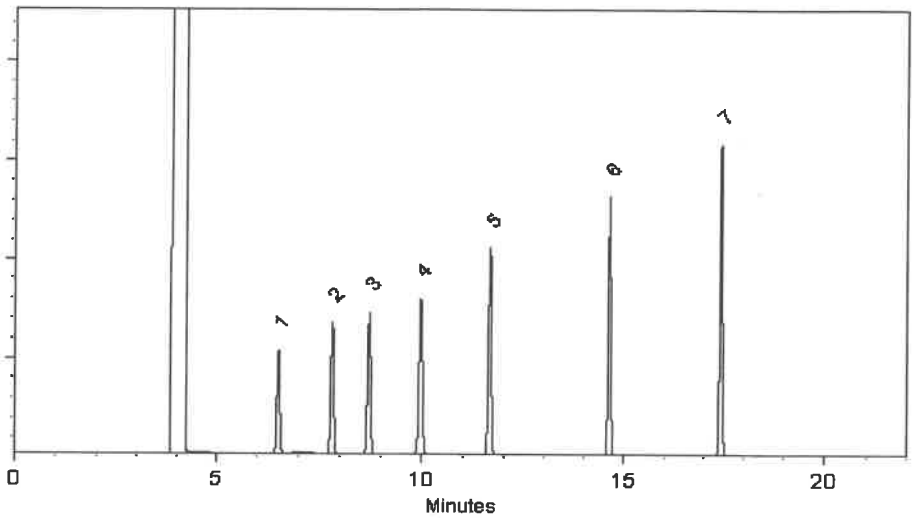
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555581 **Lot No.:** A0210184

Description : Custom 8260 Internal Standard Mix

Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	25,212.0 µg/mL	+/- 1,427.8857
2	1,4-Difluorobenzene	540-36-3	MKCS8657	99%	25,220.0 µg/mL	+/- 1,428.3388
3	Chlorobenzene-d5	3114-55-4	PR-31132	99%	25,116.0 µg/mL	+/- 1,422.4487
4	Pentafluorobenzene	363-72-4	MKCR9383	99%	25,180.0 µg/mL	+/- 1,426.0734

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 11-Apr-2024 **Balance:** 1127510105

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

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- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier
Jamie Ethier
Vice President Global Quality

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

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Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier

Jamie Ethier
Vice President Global Quality

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
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Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier
Jamie Ethier
Vice President Global Quality



SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. P4846 (1)
QUOTE NO.
COC Number 2042603

CLIENT INFORMATION (REPORT TO BE SENT TO:)
COMPANY: EA Engineering
ADDRESS:
CITY Sell STATE: PA ZIP
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION
PROJECT NAME: Former Scotia Navy Depot
PROJECT NO.: LOCATION:
PROJECT MANAGER: [illegible]
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION
BILL TO: PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION
FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION
☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B
☐ Other _____
☐ EDD FORMAT _____

ANALYSIS
1 VOC 8260 D
2 TOC SM5310B
3 MEE RSK-175
4 AIC-SM2320
5 Anions-SW9056A
6
7
8
9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
								A	C	C	E	E					← Specify Preservatives A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER
1.	FSND-MW-EVAL-03D-20241113	GW		X	11/13/24	0905	8	X	X	X	X	X					
2.	FSND-MW-EVAL-03S-20241113					0751											
3.	FSND-~~MW~~FD-3-20241113					0751											
4.	FSND-MW-EVAL-04S-20241113					1100											
5.	FSND-MW-EVAL-04D-20241~~13~~1113					1255	24										MS/MSD
6.	FSND-MW-26-20241113					1340	8										
7.	TB-1-20241113	DI				1600	2	X									
8.	FSND-RB-3-20241113					1617	8	X	X	X	X	X					
9.	FSND-MW-24-20241173					1305											
10.	FSWD-MW-15-20241113					1610											

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. [signature]	11/13/24 1808	1. [signature]
2. FedEx	11-14-24 0945	2. [signature]
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.6 °C
Comments:

Page 3 of 4

CLIENT: ☐ Hand Delivered ☐ Other _____
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

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WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. P4846(2)
QUOTE NO.
COC Number 2042604

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: EA Engineering
ADDRESS:
CITY STATE: ZIP:
ATTENTION: SAME
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Former Scotia Navy Depot
PROJECT NO.: LOCATION:
PROJECT MANAGER: AJ PAGE
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced ☐ US EPA CLP
- ☐ NYS ASP A ☐ NYS ASP B
- ☐ Other _____
- ☐ EDD FORMAT _____

ANALYSIS

1 VOC 8260D
2 TOC SW9533OB
3 MEE RSK175
4 ALK-SM2320
5 Anions SW9056A
6
7
8
9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
								A	C	C	E	E					← Specify Preservatives A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER
1.	FSND-MW-EVAL-02D-20241113				11/13/24	1125	8	X	X	X	X	X					
2.	FSND-MW-EVAL-02S-20241113					1025	8										
3.	FSND-FD-4-20241113					—											
4.	FSND-MW-EVAL-01D-20241113					0915											
5.	FSND-MW-EVAL-01S-20241113					0815											
6.	41113																
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	11/13/24 1800	1.
2. Fed Ex	11-14-24	2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.6 °C
Comments:

Page 4 of 4

CLIENT: ☐ Hand Delivered ☐ Other _____
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

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WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4846 EAEN05
Client Name : EA Engineering Science &
Client Contact : Jim Hayward
Invoice Name : EA Engineering Science &
Invoice Contact : Jim Hayward

Order Date : 11/14/2024 10:45:00 AM
Project Name : Scotia, NY - Annual Testing
Receive DateTime : 11/14/2024 9:45:00 AM
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : NYSDEC EDD V-4
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P4846-01	FSND-MW-EVAL-03D-20241113	Water	11/13/2024	09:05					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
P4846-02	FSND-MW-EVAL-~~03D~~-20241113 03S	Water	11/13/2024	07:51					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
P4846-03	FSND-FD-3-20241113	Water	11/13/2024	07:51					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
P4846-04	FSND-MW-EVAL-04S-20241113	Water	11/13/2024	11:00					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
P4846-05	FSND-MW-EVAL-04D-20241113	Water	11/13/2024	12:55					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
P4846-06	P4846-05MS	Water	11/13/2024	12:55					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
P4846-07	P4846-05MSD	Water	11/13/2024	12:55					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
P4846-08	FSND-MW-26-20241113	Water	11/13/2024	13:40					

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4846 EAEN05
Client Name : EA Engineering Science &
Client Contact : Jim Hayward
Invoice Name : EA Engineering Science &
Invoice Contact : Jim Hayward

Order Date : 11/14/2024 10:45:00 AM
Project Name : Scotia, NY - Annual Testing
Receive DateTime : 11/14/2024 9:45:00 AM
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : NYSDEC EDD V-4
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
P4846-09	TB-1-20241113	Water	11/13/2024	16:00					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
P4846-10	FSND-RB-3-20241113	Water	11/13/2024	16:17					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
P4846-11	FSND-MW-24-20241113	Water	11/13/2024	13:05					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
P4846-12	~~FSWD~~-MW-15-20241113 FSND	Water	11/13/2024	16:10					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
P4846-13	FSND-MW-EVAL-02D-20241113	Water	11/13/2024	11:25					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
P4846-14	FSND-MW-EVAL-02S-20241113	Water	11/13/2024	10:25					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
P4846-15	FSND-FD-4-20241113	Water	11/13/2024	10:25					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4846 EAEN05
Client Name : EA Engineering Science &
Client Contact : Jim Hayward
Invoice Name : EA Engineering Science &
Invoice Contact : Jim Hayward

Order Date : 11/14/2024 10:45:00 AM
Project Name : Scotia, NY - Annual Testing
Receive DateTime : 11/14/2024 9:45:00 AM
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : NYSDEC EDD V-4
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P4846-16	FSND-MW-EVAL-01D-20241113	Water	11/13/2024	09:15					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
P4846-17	FSND-MW-EVAL-01S-~~2021113~~ 20241113	Water	11/13/2024	09:15					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days

Relinguished By :
Date / Time : 11/14/24 1420

Received By :
Date / Time : 11.14.24 14:20
Storage Area : VOA Refridgerator Room