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

Cover Page

Order ID : P5164

Project ID : NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258

Client : AECOM Technical Services, Inc.

Lab Sample Number	Client Sample Number
P5164-01	RE108D2-20241206
P5164-02	RE108D1-20241206
P5164-03	RE105D1-20241206
P5164-04	RE105D2-20241206
P5164-05	TB
P5164-06	FB-20241206

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: 12/12/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

284 Sheffield Street, Mountainside NJ 07092 Tel. 908-789-8900 Fax: 908-789-8922

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

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **P5164**

	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: **MAYUR DESAI** **Date:** **12/12/2024**

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

LAB CHRONICLE

OrderID:	P5164	**OrderDate:**	12/6/2024 1:09:00 PM
Client:	AECOM Technical Services, Inc.	**Project:**	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258
Contact:	Eleanor Vivadou	**Location:**	L61,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5164-01	**RE108D2-20241206**	**Water**			**12/06/24**			**12/06/24**
			VOCMS Group1	8260-Low			12/09/24	
P5164-02	**RE108D1-20241206**	**Water**			**12/06/24**			**12/06/24**
			VOCMS Group1	8260-Low			12/09/24	
P5164-03	**RE105D1-20241206**	**Water**			**12/06/24**			**12/06/24**
			VOCMS Group1	8260-Low			12/09/24	
P5164-04	**RE105D2-20241206**	**Water**			**12/06/24**			**12/06/24**
			VOCMS Group1	8260-Low			12/09/24	
P5164-05	**TB**	**Water**			**12/06/24**			**12/06/24**
			VOCMS Group1	8260-Low			12/10/24	
P5164-06	**FB-20241206**	**Water**			**12/06/24**			**12/06/24**
			VOCMS Group1	8260-Low			12/09/24	

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

Hit Summary Sheet
SW-846

SDG No.: P5164

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	**RE108D2-20241206**								
P5164-01	RE108D2-2024120(	Water	Trichloroethene	1300		6.40	15.0	20.0	ug/L
			Total Voc :	1300					
			Total Concentration:	1300					
Client ID:	**RE108D1-20241206**								
P5164-02	RE108D1-2024120(	Water	1,1,2-Trichlorotrifluoroethane	0.33	J	0.25	0.50	1.00	ug/L
P5164-02	RE108D1-2024120(	Water	Acetone	1.60	J	1.40	3.80	5.00	ug/L
P5164-02	RE108D1-2024120(	Water	Trichloroethene	24.5		0.32	0.75	1.00	ug/L
P5164-02	RE108D1-2024120(	Water	Tetrachloroethene	2.30		0.25	0.50	1.00	ug/L
			Total Voc :	28.7					
			Total Concentration:	28.7					
Client ID:	**RE105D1-20241206**								
P5164-03	RE105D1-2024120(	Water	Dichlorodifluoromethane	1.10		0.21	0.50	1.00	ug/L
P5164-03	RE105D1-2024120(	Water	1,1,2-Trichlorotrifluoroethane	6.10		0.25	0.50	1.00	ug/L
P5164-03	RE105D1-2024120(	Water	1,1-Dichloroethene	0.76	J	0.26	0.75	1.00	ug/L
P5164-03	RE105D1-2024120(	Water	Methylene Chloride	0.36	J	0.32	0.50	1.00	ug/L
P5164-03	RE105D1-2024120(	Water	Trichloroethene	39.6		0.32	0.75	1.00	ug/L
			Total Voc :	47.9					
			Total Concentration:	47.9					
Client ID:	**RE105D2-20241206**								
P5164-04	RE105D2-2024120(	Water	1,1,2-Trichlorotrifluoroethane	18.8	J	5.00	10.0	20.0	ug/L
P5164-04	RE105D2-2024120(	Water	Trichloroethene	1600		6.40	15.0	20.0	ug/L
			Total Voc :	1620					
			Total Concentration:	1620					
Client ID:	**TB**								
P5164-05	TB	Water	Chloromethane	1.20		0.35	0.50	1.00	ug/L
P5164-05	TB	Water	Acetone	1.40	J	1.40	3.80	5.00	ug/L
P5164-05	TB	Water	Methylene Chloride	0.58	J	0.32	0.50	1.00	ug/L
			Total Voc :	3.18					
			Total Concentration:	3.18					
Client ID:	**FB-20241206**								
P5164-06	FB-20241206	Water	Acetone	3.10	J	1.40	3.80	5.00	ug/L
P5164-06	FB-20241206	Water	Methylene Chloride	0.45	J	0.32	0.50	1.00	ug/L
			Total Voc :	3.55					
			Total Concentration:	3.55					



QC SUMMARY

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

Surrogate Summary

SDG No.: P5164

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P5164-01	RE108D2-20241206	1,2-Dichloroethane-d4	50	51.2	102	81	118
		Dibromofluoromethane	50	46.1	92	80	119
		Toluene-d8	50	50.6	101	89	112
		4-Bromofluorobenzene	50	52.0	104	85	114
P5164-02	RE108D1-20241206	1,2-Dichloroethane-d4	50	50.6	101	81	118
		Dibromofluoromethane	50	46.6	93	80	119
		Toluene-d8	50	49.5	99	89	112
		4-Bromofluorobenzene	50	46.7	93	85	114
P5164-03	RE105D1-20241206	1,2-Dichloroethane-d4	50	50.3	101	81	118
		Dibromofluoromethane	50	45.7	91	80	119
		Toluene-d8	50	49.5	99	89	112
		4-Bromofluorobenzene	50	48.2	96	85	114
P5164-04	RE105D2-20241206	1,2-Dichloroethane-d4	50	50.5	101	81	118
		Dibromofluoromethane	50	46.1	92	80	119
		Toluene-d8	50	49.5	99	89	112
		4-Bromofluorobenzene	50	51.5	103	85	114
P5164-05	TB	1,2-Dichloroethane-d4	50	49.5	99	81	118
		Dibromofluoromethane	50	45.5	91	80	119
		Toluene-d8	50	49.0	98	89	112
		4-Bromofluorobenzene	50	48.2	96	85	114
P5164-06	FB-20241206	1,2-Dichloroethane-d4	50	53.2	106	81	118
		Dibromofluoromethane	50	44.7	89	80	119
		Toluene-d8	50	49.8	100	89	112
		4-Bromofluorobenzene	50	49.6	99	85	114
VX1209WBL01	VX1209WBL01	1,2-Dichloroethane-d4	50	52.4	105	81	118
		Dibromofluoromethane	50	46.4	93	80	119
		Toluene-d8	50	50.1	100	89	112
		4-Bromofluorobenzene	50	49.2	98	85	114
VX1209WBS01	VX1209WBS01	1,2-Dichloroethane-d4	50	51.2	102	81	118
		Dibromofluoromethane	50	50.4	101	80	119
		Toluene-d8	50	48.7	97	89	112
		4-Bromofluorobenzene	50	50.9	102	85	114
VX1209WBSD0	VX1209WBSD01	1,2-Dichloroethane-d4	50	55.7	111	81	118
		Dibromofluoromethane	50	52.0	104	80	119
		Toluene-d8	50	50.9	102	89	112
		4-Bromofluorobenzene	50	53.8	108	85	114
VX1210WBL01	VX1210WBL01	1,2-Dichloroethane-d4	50	49.7	99	81	118
		Dibromofluoromethane	50	46.4	93	80	119
		Toluene-d8	50	49.1	98	89	112
		4-Bromofluorobenzene	50	47.5	95	85	114
VX1210WBS01	VX1210WBS01	1,2-Dichloroethane-d4	50	52.6	105	81	118
		Dibromofluoromethane	50	50.9	102	80	119
		Toluene-d8	50	49.6	99	89	112
		4-Bromofluorobenzene	50	51.7	103	85	114

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5164

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low **Datafile :** VX044178.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1209WBS01	Dichlorodifluoromethane	20	14.8	ug/L	74			32	152	
	Chloromethane	20	15.9	ug/L	79			50	139	
	Vinyl chloride	20	16.0	ug/L	80			58	137	
	Bromomethane	20	19.4	ug/L	97			53	141	
	Chloroethane	20	19.9	ug/L	100			60	138	
	Trichlorofluoromethane	20	19.5	ug/L	98			65	141	
	1,1,2-Trichlorotrifluoroethane	20	18.1	ug/L	91			70	136	
	1,1-Dichloroethene	20	16.9	ug/L	85			71	131	
	Acetone	100	96.9	ug/L	97			39	160	
	Carbon disulfide	20	13.9	ug/L	70			64	133	
	Methyl tert-butyl Ether	20	20.2	ug/L	101			71	124	
	Methyl Acetate	20	19.8	ug/L	99			56	136	
	Methylene Chloride	20	17.9	ug/L	90			74	124	
	trans-1,2-Dichloroethene	20	17.8	ug/L	89			75	124	
	1,1-Dichloroethane	20	19.0	ug/L	95			77	125	
	Cyclohexane	20	17.9	ug/L	90			71	130	
	2-Butanone	100	99.5	ug/L	100			56	143	
	Carbon Tetrachloride	20	18.2	ug/L	91			72	136	
	cis-1,2-Dichloroethene	20	18.5	ug/L	93			78	123	
	Bromochloromethane	20	21.7	ug/L	109			78	123	
	Chloroform	20	19.4	ug/L	97			79	124	
	1,1,1-Trichloroethane	20	19.3	ug/L	97			74	131	
	Methylcyclohexane	20	18.1	ug/L	91			72	132	
	Benzene	20	18.5	ug/L	93			79	120	
	1,2-Dichloroethane	20	20.0	ug/L	100			73	128	
	Trichloroethene	20	15.8	ug/L	79			79	123	
	1,2-Dichloropropane	20	19.2	ug/L	96			78	122	
	Bromodichloromethane	20	19.3	ug/L	97			79	125	
	4-Methyl-2-Pentanone	100	100	ug/L	100			67	130	
	Toluene	20	19.6	ug/L	98			80	121	
	t-1,3-Dichloropropene	20	18.9	ug/L	95			73	127	
	cis-1,3-Dichloropropene	20	19.1	ug/L	96			75	124	
	1,1,2-Trichloroethane	20	19.4	ug/L	97			80	119	
	2-Hexanone	100	100	ug/L	100			57	139	
	Dibromochloromethane	20	18.9	ug/L	95			74	126	
	1,2-Dibromoethane	20	20.0	ug/L	100			77	121	
	Tetrachloroethene	20	19.9	ug/L	100			74	129	
	Chlorobenzene	20	18.9	ug/L	95			82	118	
	Ethyl Benzene	20	19.7	ug/L	99			79	121	
	m/p-Xylenes	40	38.8	ug/L	97			80	121	
	o-Xylene	20	20.2	ug/L	101			78	122	
	Styrene	20	19.6	ug/L	98			78	123	
	Bromoform	20	17.1	ug/L	86			66	130	
	Isopropylbenzene	20	20.2	ug/L	101			72	131	
	1,1,2,2-Tetrachloroethane	20	20.1	ug/L	101			71	121	
	1,3-Dichlorobenzene	20	19.2	ug/L	96			80	119	
	1,4-Dichlorobenzene	20	19.0	ug/L	95			79	118	
	1,2-Dichlorobenzene	20	19.2	ug/L	96			80	119	

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5164

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low **Datafile :** VX044178.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1209WBS01	1,2-Dibromo-3-Chloropropane	20	19.6	ug/L	98			62	128	
	1,2,4-Trichlorobenzene	20	18.6	ug/L	93			69	130	
	1,2,3-Trichlorobenzene	20	19.3	ug/L	97			69	129	

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5164

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low **Datafile :** VX044194.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1209WBSD01	Dichlorodifluoromethane	20	16.0	ug/L	80	8		32	152	20
	Chloromethane	20	18.1	ug/L	91	14		50	139	20
	Vinyl chloride	20	18.3	ug/L	92	14		58	137	20
	Bromomethane	20	21.0	ug/L	105	8		53	141	20
	Chloroethane	20	25.4	ug/L	127	24	*	60	138	20
	Trichlorofluoromethane	20	19.8	ug/L	99	1		65	141	20
	1,1,2-Trichlorotrifluoroethane	20	18.3	ug/L	92	1		70	136	20
	1,1-Dichloroethene	20	19.1	ug/L	96	12		71	131	20
	Acetone	100	100	ug/L	100	3		39	160	20
	Carbon disulfide	20	13.8	ug/L	69	1		64	133	20
	Methyl tert-butyl Ether	20	21.9	ug/L	110	9		71	124	20
	Methyl Acetate	20	21.5	ug/L	108	9		56	136	20
	Methylene Chloride	20	19.9	ug/L	100	11		74	124	20
	trans-1,2-Dichloroethene	20	19.5	ug/L	98	10		75	124	20
	1,1-Dichloroethane	20	21.2	ug/L	106	11		77	125	20
	Cyclohexane	20	18.8	ug/L	94	4		71	130	20
	2-Butanone	100	110	ug/L	110	10		56	143	20
	Carbon Tetrachloride	20	19.4	ug/L	97	6		72	136	20
	cis-1,2-Dichloroethene	20	21.3	ug/L	106	13		78	123	20
	Bromochloromethane	20	18.9	ug/L	95	14		78	123	20
	Chloroform	20	22.3	ug/L	112	14		79	124	20
	1,1,1-Trichloroethane	20	21.3	ug/L	106	9		74	131	20
	Methylcyclohexane	20	18.4	ug/L	92	1		72	132	20
	Benzene	20	20.2	ug/L	101	8		79	120	20
	1,2-Dichloroethane	20	21.5	ug/L	108	8		73	128	20
	Trichloroethene	20	17.9	ug/L	90	13		79	123	20
	1,2-Dichloropropane	20	20.0	ug/L	100	4		78	122	20
	Bromodichloromethane	20	20.4	ug/L	102	5		79	125	20
	4-Methyl-2-Pentanone	100	110	ug/L	110	10		67	130	20
	Toluene	20	20.8	ug/L	104	6		80	121	20
	t-1,3-Dichloropropene	20	19.8	ug/L	99	4		73	127	20
	cis-1,3-Dichloropropene	20	20.2	ug/L	101	5		75	124	20
	1,1,2-Trichloroethane	20	21.5	ug/L	108	11		80	119	20
	2-Hexanone	100	120	ug/L	120	18		57	139	20
	Dibromochloromethane	20	19.8	ug/L	99	4		74	126	20
	1,2-Dibromoethane	20	21.3	ug/L	106	6		77	121	20
	Tetrachloroethene	20	19.6	ug/L	98	2		74	129	20
	Chlorobenzene	20	20.0	ug/L	100	5		82	118	20
	Ethyl Benzene	20	20.9	ug/L	104	5		79	121	20
	m/p-Xylenes	40	41.4	ug/L	104	7		80	121	20
	o-Xylene	20	21.3	ug/L	106	5		78	122	20
	Styrene	20	21.1	ug/L	106	8		78	123	20
	Bromoform	20	17.5	ug/L	88	2		66	130	20
	Isopropylbenzene	20	21.9	ug/L	110	9		72	131	20
	1,1,2,2-Tetrachloroethane	20	22.2	ug/L	111	9		71	121	20
	1,3-Dichlorobenzene	20	20.6	ug/L	103	7		80	119	20
	1,4-Dichlorobenzene	20	20.0	ug/L	100	5		79	118	20
	1,2-Dichlorobenzene	20	21.3	ug/L	106	10		80	119	20

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **P5164**

Client: **AECOM Technical Services, Inc.**

Analytical Method: **SW8260-Low** **Datafile :** VX044194.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1209WBSD01	1,2-Dibromo-3-Chloropropane	20	20.7	ug/L	104	6		62	128	20
	1,2,4-Trichlorobenzene	20	19.4	ug/L	97	4		69	130	20
	1,2,3-Trichlorobenzene	20	20.0	ug/L	100	3		69	129	20

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5164

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low **Datafile :** VX044201.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1210WBS01	Dichlorodifluoromethane	20	15.1	ug/L	76			32	152	
	Chloromethane	20	15.9	ug/L	79			50	139	
	Vinyl chloride	20	17.7	ug/L	89			58	137	
	Bromomethane	20	20.3	ug/L	102			53	141	
	Chloroethane	20	21.4	ug/L	107			60	138	
	Trichlorofluoromethane	20	19.2	ug/L	96			65	141	
	1,1,2-Trichlorotrifluoroethane	20	18.1	ug/L	91			70	136	
	1,1-Dichloroethene	20	17.5	ug/L	88			71	131	
	Acetone	100	91.1	ug/L	91			39	160	
	Carbon disulfide	20	12.9	ug/L	65			64	133	
	Methyl tert-butyl Ether	20	20.4	ug/L	102			71	124	
	Methyl Acetate	20	20.4	ug/L	102			56	136	
	Methylene Chloride	20	18.4	ug/L	92			74	124	
	trans-1,2-Dichloroethene	20	17.6	ug/L	88			75	124	
	1,1-Dichloroethane	20	19.2	ug/L	96			77	125	
	Cyclohexane	20	17.7	ug/L	89			71	130	
	2-Butanone	100	100	ug/L	100			56	143	
	Carbon Tetrachloride	20	18.3	ug/L	92			72	136	
	cis-1,2-Dichloroethene	20	19.2	ug/L	96			78	123	
	Bromochloromethane	20	21.3	ug/L	106			78	123	
	Chloroform	20	20.1	ug/L	101			79	124	
	1,1,1-Trichloroethane	20	20.2	ug/L	101			74	131	
	Methylcyclohexane	20	16.8	ug/L	84			72	132	
	Benzene	20	19.0	ug/L	95			79	120	
	1,2-Dichloroethane	20	20.2	ug/L	101			73	128	
	Trichloroethene	20	16.4	ug/L	82			79	123	
	1,2-Dichloropropane	20	19.7	ug/L	99			78	122	
	Bromodichloromethane	20	20.0	ug/L	100			79	125	
	4-Methyl-2-Pentanone	100	110	ug/L	110			67	130	
	Toluene	20	19.9	ug/L	100			80	121	
	t-1,3-Dichloropropene	20	18.8	ug/L	94			73	127	
	cis-1,3-Dichloropropene	20	18.8	ug/L	94			75	124	
	1,1,2-Trichloroethane	20	20.2	ug/L	101			80	119	
	2-Hexanone	100	110	ug/L	110			57	139	
	Dibromochloromethane	20	18.8	ug/L	94			74	126	
	1,2-Dibromoethane	20	20.6	ug/L	103			77	121	
	Tetrachloroethene	20	19.9	ug/L	100			74	129	
	Chlorobenzene	20	19.6	ug/L	98			82	118	
	Ethyl Benzene	20	20.0	ug/L	100			79	121	
	m/p-Xylenes	40	40.3	ug/L	101			80	121	
	o-Xylene	20	20.3	ug/L	102			78	122	
	Styrene	20	20.2	ug/L	101			78	123	
	Bromoform	20	17.7	ug/L	89			66	130	
	Isopropylbenzene	20	20.1	ug/L	101			72	131	
	1,1,2,2-Tetrachloroethane	20	20.7	ug/L	104			71	121	
	1,3-Dichlorobenzene	20	19.0	ug/L	95			80	119	
	1,4-Dichlorobenzene	20	19.4	ug/L	97			79	118	
	1,2-Dichlorobenzene	20	19.7	ug/L	99			80	119	

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5164

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low **Datafile :** VX044201.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1210WBS01	1,2-Dibromo-3-Chloropropane	20	19.1	ug/L	96			62	128	
	1,2,4-Trichlorobenzene	20	17.4	ug/L	87			69	130	
	1,2,3-Trichlorobenzene	20	19.0	ug/L	95			69	129	

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

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX1209WBL01

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5164 SAS No.: P5164 SDG NO.: P5164

Lab File ID: VX044176.D Lab Sample ID: VX1209WBL01

Date Analyzed: 12/09/2024 Time Analyzed: 10:35

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
VX1209WBS01	VX1209WBS01	VX044178.D	12/09/2024
FB-20241206	P5164-06	VX044186.D	12/09/2024
RE108D1-20241206	P5164-02	VX044188.D	12/09/2024
RE105D1-20241206	P5164-03	VX044189.D	12/09/2024
RE108D2-20241206	P5164-01	VX044192.D	12/09/2024
RE105D2-20241206	P5164-04	VX044193.D	12/09/2024
VX1209WBSD01	VX1209WBSD01	VX044194.D	12/09/2024

COMMENTS:

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

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX1210WBL01

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5164 SAS No.: P5164 SDG NO.: P5164

Lab File ID: VX044199.D Lab Sample ID: VX1210WBL01

Date Analyzed: 12/10/2024 Time Analyzed: 11:35

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
TB	P5164-05	VX044200.D	12/10/2024
VX1210WBS01	VX1210WBS01	VX044201.D	12/10/2024

COMMENTS:

Raw Data: **VX043924.D**

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5164 SAS No.: P5164 SDG NO.: P5164

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: **VX044173.D**

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5164 SAS No.: P5164 SDG NO.: P5164

Lab File ID: VX044173.D BFB Injection Date: 12/09/2024

Instrument ID: MSVOA_X BFB Injection Time: 09:06

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	21.5
75	30.0 - 60.0% of mass 95	57.2
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	0.6 (0.8) 1
174	50.0 - 100.0% of mass 95	69.6
175	5.0 - 9.0% of mass 174	5.4 (7.8) 1
176	95.0 - 101.0% of mass 174	68.7 (98.7) 1
177	5.0 - 9.0% of mass 176	4.3 (6.2) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX044174.D	12/09/2024	09:42
VX1209WBL01	VX1209WBL01	VX044176.D	12/09/2024	10:35
VX1209WBS01	VX1209WBS01	VX044178.D	12/09/2024	11:24
FB-20241206	P5164-06	VX044186.D	12/09/2024	14:30
RE108D1-20241206	P5164-02	VX044188.D	12/09/2024	15:17
RE105D1-20241206	P5164-03	VX044189.D	12/09/2024	15:40
RE108D2-20241206	P5164-01	VX044192.D	12/09/2024	16:51
RE105D2-20241206	P5164-04	VX044193.D	12/09/2024	17:14
VX1209WBSD01	VX1209WBSD01	VX044194.D	12/09/2024	17:37
VSTDCCC050EC	VSTDCCC050	VX044195.D	12/09/2024	18:00

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5164 SAS No.: P5164 SDG NO.: P5164

Lab File ID: VX044196.D BFB Injection Date: 12/10/2024

Instrument ID: MSVOA_X BFB Injection Time: 09:01

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	21.7
75	30.0 - 60.0% of mass 95	57.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.4 (0.6) 1
174	50.0 - 100.0% of mass 95	70.2
175	5.0 - 9.0% of mass 174	5.4 (7.7) 1
176	95.0 - 101.0% of mass 174	69.5 (99) 1
177	5.0 - 9.0% of mass 176	4.3 (6.2) 2

1-Value is % mass 174 2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX044197.D	12/10/2024	10:43
VX1210WBL01	VX1210WBL01	VX044199.D	12/10/2024	11:35
TB	P5164-05	VX044200.D	12/10/2024	11:59
VX1210WBS01	VX1210WBS01	VX044201.D	12/10/2024	12:22
VSTDCCC050EC	VSTDCCC050	VX044217.D	12/10/2024	18:44

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5164 SAS No.: P5164 SDG NO.: P5164

Lab File ID: VX044174.D Date Analyzed: 12/09/2024

Instrument ID: MSVOA_X Time Analyzed: 09:42

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	128814	5.54	227273	6.75	196952	10.05
UPPER LIMIT	257628	6.038	454546	7.251	393904	10.549
LOWER LIMIT	64407	5.038	113637	6.251	98476	9.549
EPA SAMPLE NO.						
RE108D2-20241206	107002	5.55	205381	6.76	184408	10.06
RE108D1-20241206	120459	5.54	226191	6.76	192858	10.06
RE105D1-20241206	108813	5.54	204658	6.76	176157	10.06
RE105D2-20241206	109323	5.55	207584	6.76	182923	10.06
FB-20241206	105637	5.55	204810	6.76	181265	10.06
VX1209WBL01	127252	5.54	245969	6.76	212379	10.05
VX1209WBS01	138067	5.55	244472	6.76	208975	10.05
VX1209WBSD01	135757	5.55	248673	6.76	215697	10.06

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.

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5164 SAS No.: P5164 SDG NO.: P5164

Lab File ID: VX044174.D Date Analyzed: 12/09/2024

Instrument ID: MSVOA_X Time Analyzed: 09:42

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

	IS4 AREA #	RT #				
12 HOUR STD	97559	12.018				
UPPER LIMIT	195118	12.518				
LOWER LIMIT	48779.5	11.518				
EPA SAMPLE NO.						
RE108D2-20241206	80855	12.02				
RE108D1-20241206	74622	12.02				
RE105D1-20241206	70850	12.02				
RE105D2-20241206	82399	12.02				
FB-20241206	74280	12.02				
VX1209WBL01	90543	12.02				
VX1209WBS01	95808	12.02				
VX1209WBSD01	96570	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:	AECOM Technical Services, Inc.	Date Collected:	12/06/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/06/24
Client Sample ID:	RE108D2-20241206	SDG No.:	P5164
Lab Sample ID:	P5164-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044192.D	20		12/09/24 16:51	VX120924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	10.0	U	4.20	10.0	20.0	ug/L
74-87-3	Chloromethane	10.0	U	7.00	10.0	20.0	ug/L
75-01-4	Vinyl Chloride	15.0	U	6.80	15.0	20.0	ug/L
74-83-9	Bromomethane	75.0	U	27.2	75.0	100	ug/L
75-00-3	Chloroethane	15.0	U	11.2	15.0	20.0	ug/L
75-69-4	Trichlorofluoromethane	10.0	U	6.80	10.0	20.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	10.0	U	5.00	10.0	20.0	ug/L
75-35-4	1,1-Dichloroethene	15.0	U	5.20	15.0	20.0	ug/L
67-64-1	Acetone	75.0	U	27.8	75.0	100	ug/L
75-15-0	Carbon Disulfide	15.0	U	6.40	15.0	20.0	ug/L
1634-04-4	Methyl tert-butyl Ether	10.0	U	3.20	10.0	20.0	ug/L
79-20-9	Methyl Acetate	15.0	U	12.0	15.0	20.0	ug/L
75-09-2	Methylene Chloride	10.0	U	6.40	10.0	20.0	ug/L
156-60-5	trans-1,2-Dichloroethene	10.0	U	5.00	10.0	20.0	ug/L
75-34-3	1,1-Dichloroethane	10.0	U	4.60	10.0	20.0	ug/L
110-82-7	Cyclohexane	50.0	U	32.4	50.0	100	ug/L
78-93-3	2-Butanone	50.0	U	26.0	50.0	100	ug/L
56-23-5	Carbon Tetrachloride	10.0	U	5.00	10.0	20.0	ug/L
156-59-2	cis-1,2-Dichloroethene	15.0	U	5.00	15.0	20.0	ug/L
74-97-5	Bromochloromethane	10.0	U	3.60	10.0	20.0	ug/L
67-66-3	Chloroform	10.0	U	5.20	10.0	20.0	ug/L
71-55-6	1,1,1-Trichloroethane	10.0	U	3.80	10.0	20.0	ug/L
108-87-2	Methylcyclohexane	10.0	U	3.80	10.0	20.0	ug/L
71-43-2	Benzene	10.0	U	3.20	10.0	20.0	ug/L
107-06-2	1,2-Dichloroethane	10.0	U	4.80	10.0	20.0	ug/L
79-01-6	Trichloroethene	1300		6.40	15.0	20.0	ug/L
78-87-5	1,2-Dichloropropane	10.0	U	3.80	10.0	20.0	ug/L
75-27-4	Bromodichloromethane	10.0	U	4.80	10.0	20.0	ug/L
108-10-1	4-Methyl-2-Pentanone	50.0	U	15.0	50.0	100	ug/L
108-88-3	Toluene	10.0	U	3.60	10.0	20.0	ug/L

Raw Data: **VX044192.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/06/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/06/24
Client Sample ID:	RE108D2-20241206	SDG No.:	P5164
Lab Sample ID:	P5164-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044192.D	20		12/09/24 16:51	VX120924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	10.0	U	4.20	10.0	20.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	10.0	U	3.60	10.0	20.0	ug/L
79-00-5	1,1,2-Trichloroethane	10.0	U	4.20	10.0	20.0	ug/L
591-78-6	2-Hexanone	50.0	U	22.6	50.0	100	ug/L
124-48-1	Dibromochloromethane	10.0	U	3.60	10.0	20.0	ug/L
106-93-4	1,2-Dibromoethane	10.0	U	3.20	10.0	20.0	ug/L
127-18-4	Tetrachloroethene	10.0	U	5.00	10.0	20.0	ug/L
108-90-7	Chlorobenzene	10.0	U	2.60	10.0	20.0	ug/L
100-41-4	Ethyl Benzene	10.0	U	3.20	10.0	20.0	ug/L
179601-23-1	m/p-Xylenes	20.0	U	6.20	20.0	40.0	ug/L
95-47-6	o-Xylene	10.0	U	2.80	10.0	20.0	ug/L
100-42-5	Styrene	10.0	U	3.20	10.0	20.0	ug/L
75-25-2	Bromoform	10.0	U	4.20	10.0	20.0	ug/L
98-82-8	Isopropylbenzene	10.0	U	2.60	10.0	20.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	10.0	U	5.40	10.0	20.0	ug/L
541-73-1	1,3-Dichlorobenzene	10.0	U	4.80	10.0	20.0	ug/L
106-46-7	1,4-Dichlorobenzene	10.0	U	5.40	10.0	20.0	ug/L
95-50-1	1,2-Dichlorobenzene	10.0	U	3.80	10.0	20.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	15.0	U	9.20	15.0	20.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	10.0	U	8.40	10.0	20.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	15.0	U	10.2	15.0	20.0	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.2		81 - 118		102%	SPK: 50
1868-53-7	Dibromofluoromethane	46.1		80 - 119		92%	SPK: 50
2037-26-5	Toluene-d8	50.6		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.0		85 - 114		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	107000	5.55				
540-36-3	1,4-Difluorobenzene	205000	6.757				
3114-55-4	Chlorobenzene-d5	184000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	80900	12.024				

Raw Data: **VX044192.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/06/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/06/24
Client Sample ID:	RE108D2-20241206	SDG No.:	P5164
Lab Sample ID:	P5164-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044192.D	20		12/09/24 16:51	VX120924

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: **VX044192.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044192.D
Acq On : 09 Dec 2024 16:51
Operator : JC/MD
Sample : P5164-01 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20241206

Quant Time: Dec 10 01:45:49 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

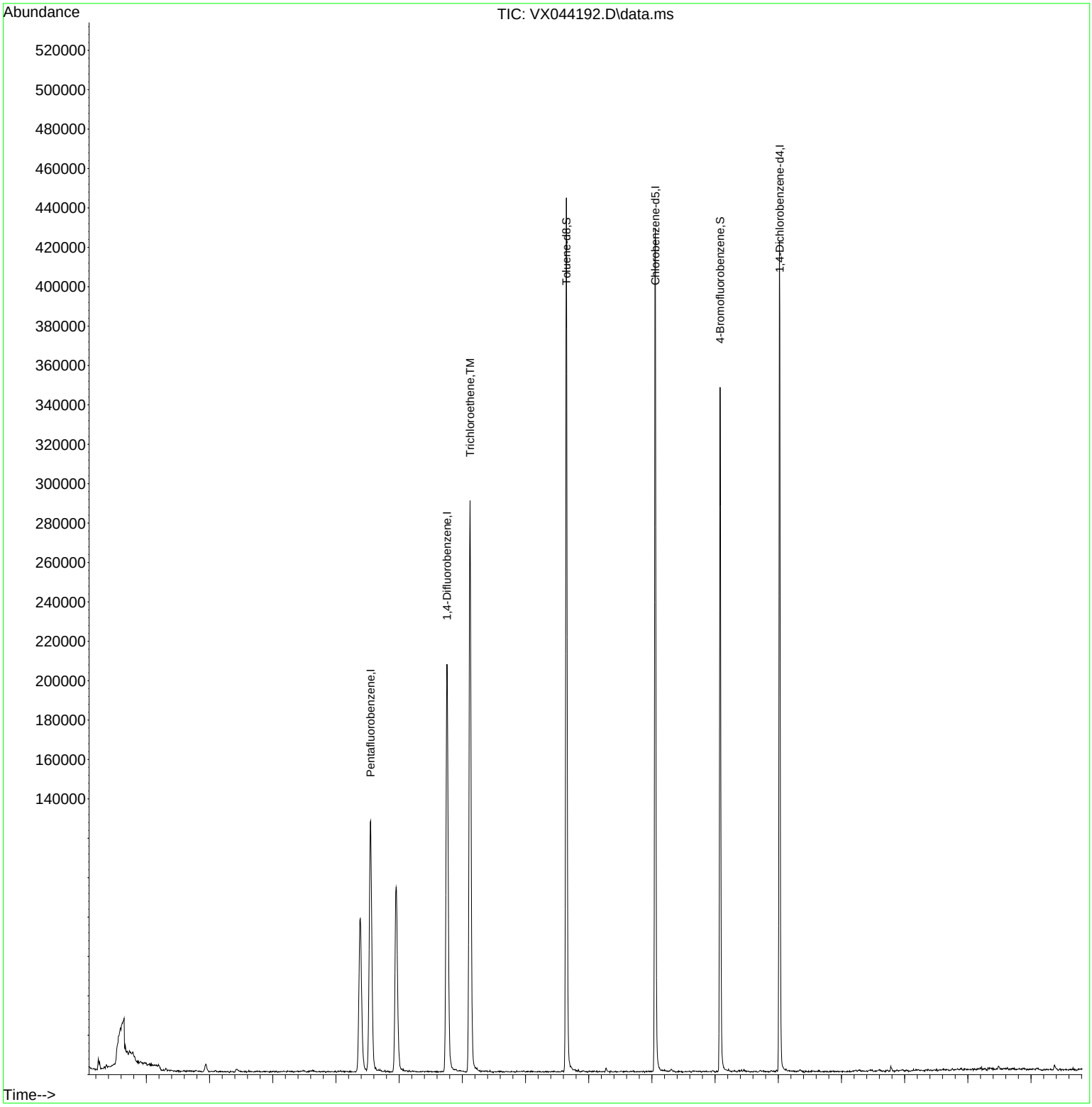
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	107002	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.757	114	205381	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	184408	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	80855	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	93887	51.157	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.320%			
35) Dibromofluoromethane	5.385	113	67725	46.148	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 92.300%			
50) Toluene-d8	8.647	98	256043	50.613	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.220%			
62) 4-Bromofluorobenzene	11.079	95	89607	52.047	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.100%			
Target Compounds						Qvalue
16) Acetone	2.380	43	744	0.883	ug/l #	75
44) Trichloroethene	7.123	130	104717	64.937	ug/l	93

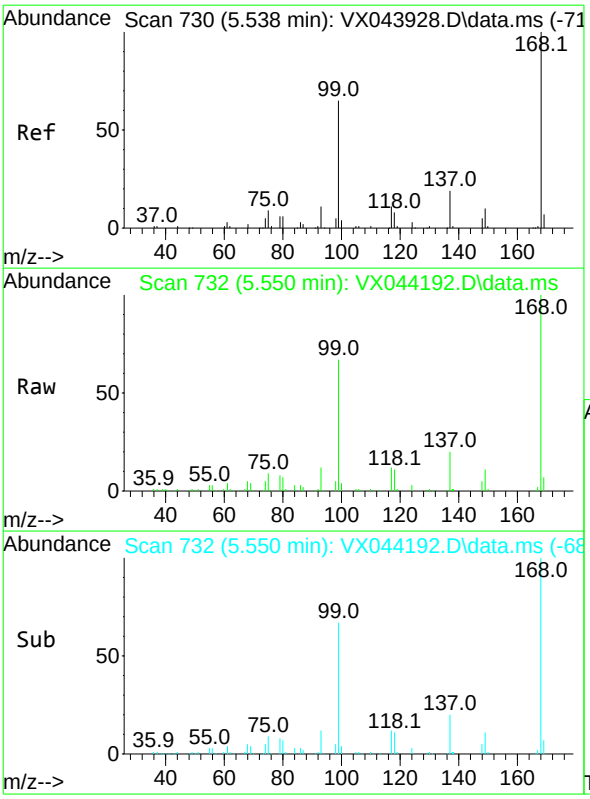
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044192.D
Acq On : 09 Dec 2024 16:51
Operator : JC/MD
Sample : P5164-01 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20241206

Quant Time: Dec 10 01:45:49 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



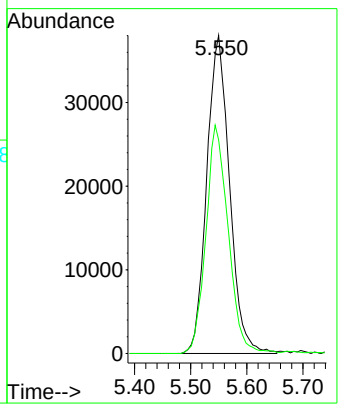


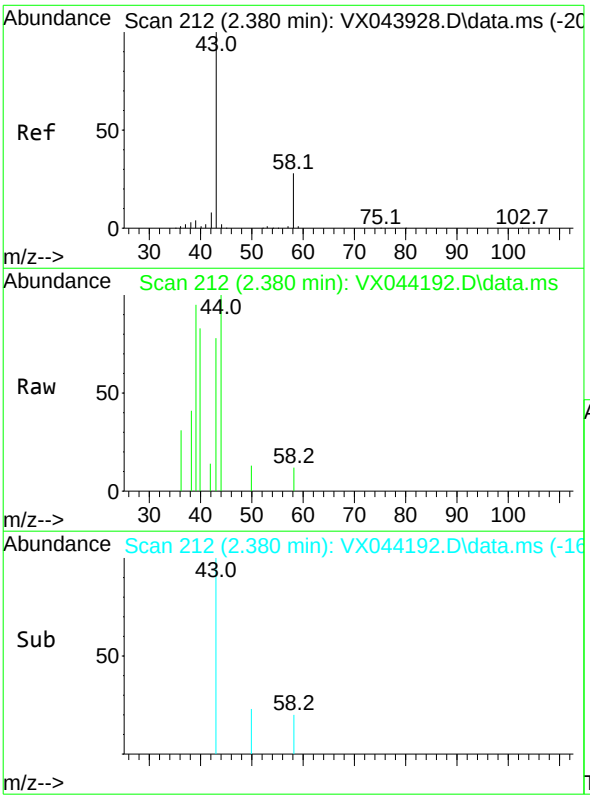
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. 0.012 min
Lab File: VX044192.D
Acq: 09 Dec 2024 16:51

Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20241206

Tgt Ion:168 Resp: 107002

Ion	Ratio	Lower	Upper
168	100		
99	67.2	51.8	77.8

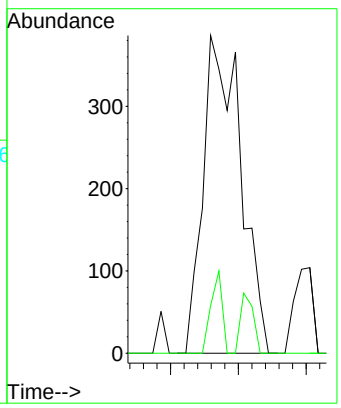


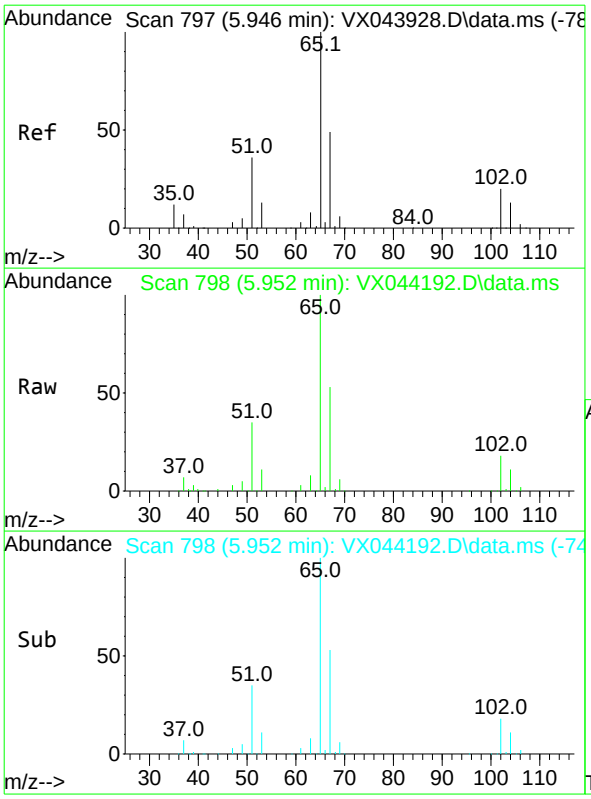


#16
Acetone
Concen: 0.883 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX044192.D
Acq: 09 Dec 2024 16:51

Tgt Ion: 43 Resp: 744

Ion	Ratio	Lower	Upper
43	100		
58	15.0	22.7	34.1#



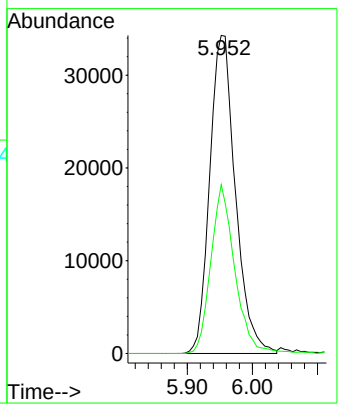


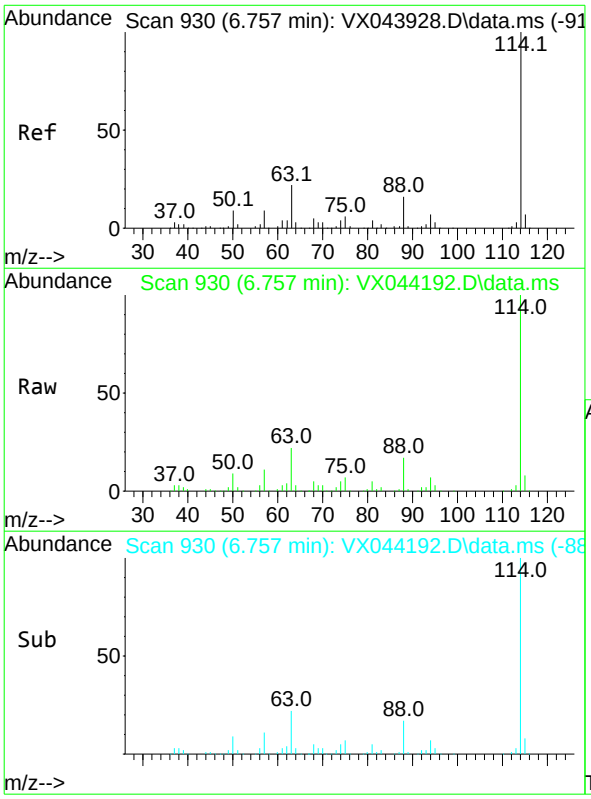
#33
1,2-Dichloroethane-d4
Concen: 51.157 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.006 min
Lab File: VX044192.D
Acq: 09 Dec 2024 16:51

Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20241206

Tgt Ion: 65 Resp: 93887

Ion	Ratio	Lower	Upper
65	100		
67	49.4	0.0	100.8

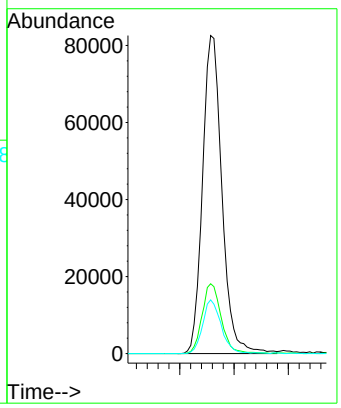


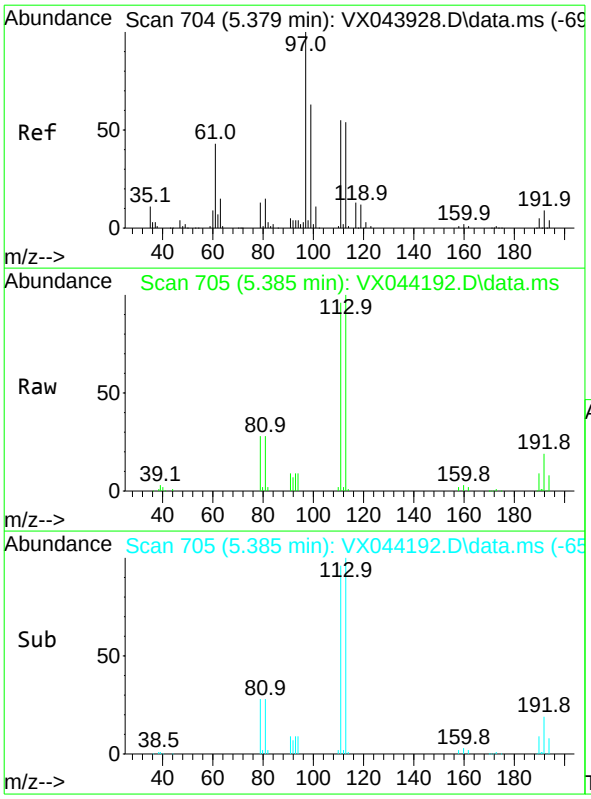


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044192.D
Acq: 09 Dec 2024 16:51

Tgt Ion:114 Resp: 205381

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	44.0
88	16.9	0.0	32.4



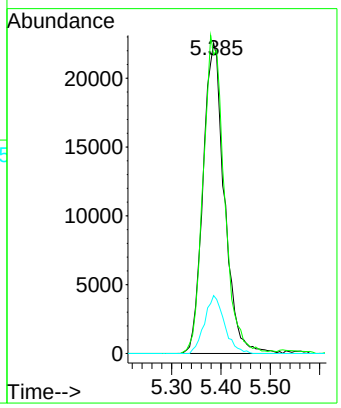


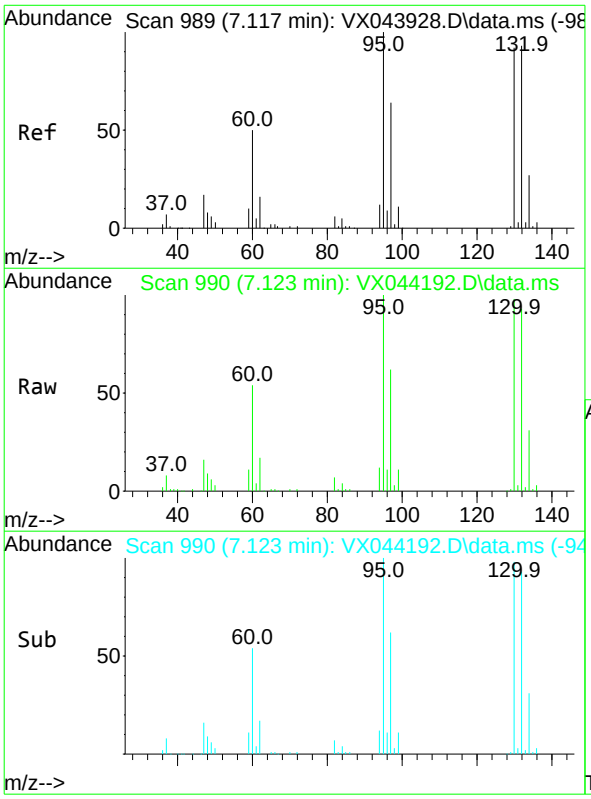
#35
Dibromofluoromethane
Concen: 46.148 ug/l
RT: 5.385 min Scan# 70
Delta R.T. 0.006 min
Lab File: VX044192.D
Acq: 09 Dec 2024 16:51

Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20241206

Tgt Ion:113 Resp: 67725

Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.0	121.4
192	17.4	13.0	19.6

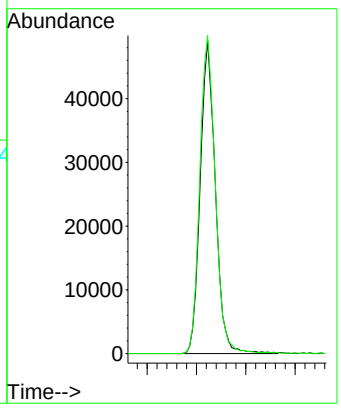


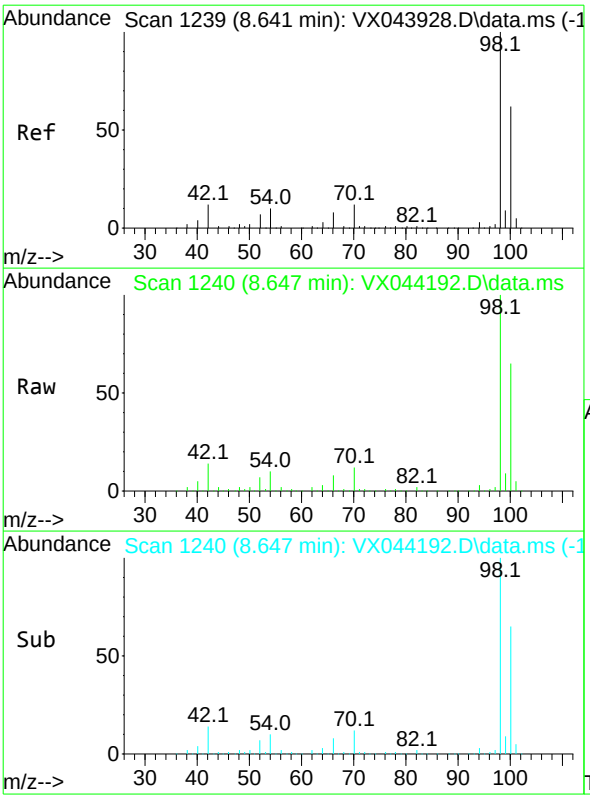


#44
Trichloroethene
Concen: 64.937 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX044192.D
Acq: 09 Dec 2024 16:51

Tgt Ion:130 Resp: 104717

Ion	Ratio	Lower	Upper
130	100		
95	101.7	0.0	217.8



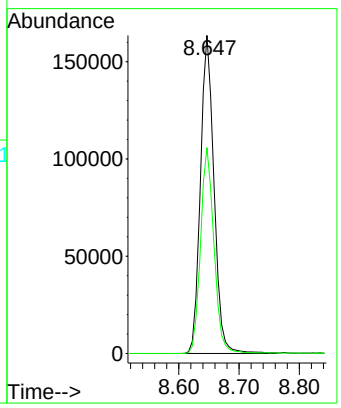


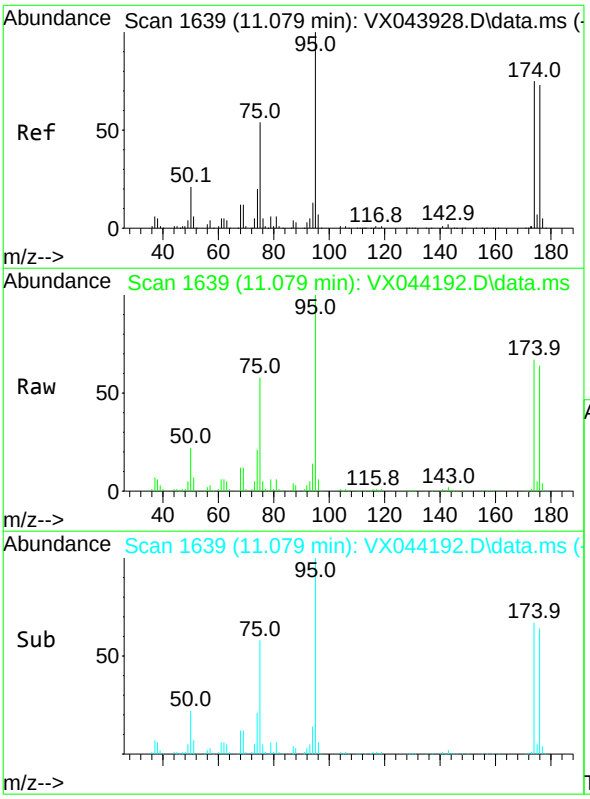
#50
Toluene-d8
Concen: 50.613 ug/l
RT: 8.647 min Scan# 12
Delta R.T. 0.006 min
Lab File: VX044192.D
Acq: 09 Dec 2024 16:51

Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20241206

Tgt Ion: 98 Resp: 256043

Ion	Ratio	Lower	Upper
98	100		
100	63.8	52.6	79.0

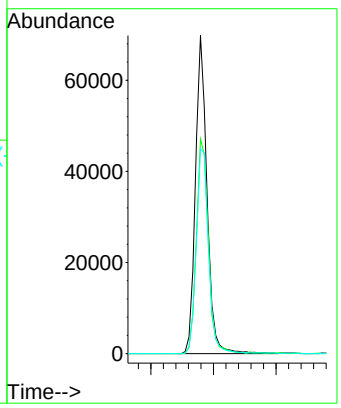


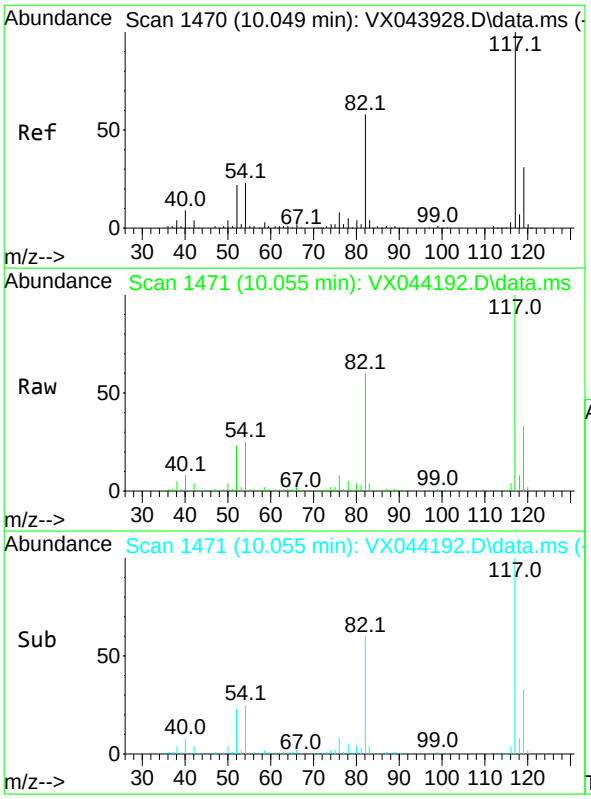


#62
4-Bromofluorobenzene
Concen: 52.047 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044192.D
Acq: 09 Dec 2024 16:51

Tgt Ion: 95 Resp: 89607

Ion	Ratio	Lower	Upper
95	100		
174	70.1	0.0	150.4
176	68.0	0.0	146.0



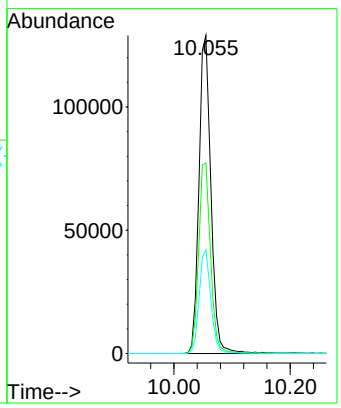


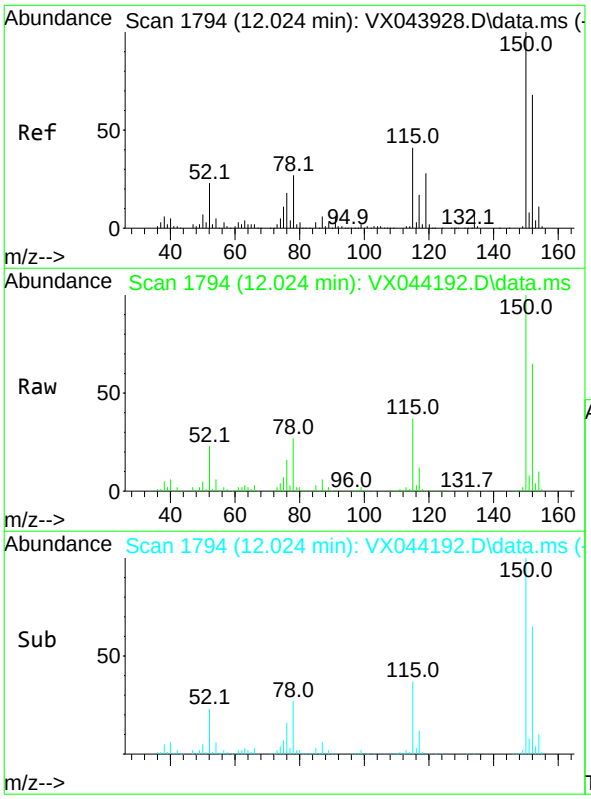
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044192.D
Acq: 09 Dec 2024 16:51

Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20241206

Tgt Ion:117 Resp: 184408

Ion	Ratio	Lower	Upper
117	100		
82	59.8	46.4	69.6
119	32.6	24.6	37.0

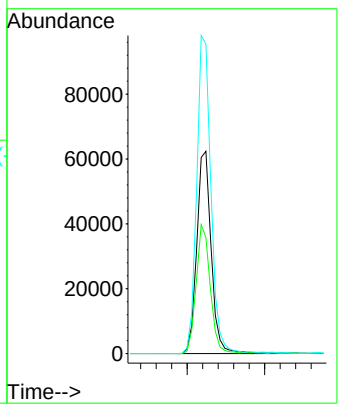




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX044192.D
Acq: 09 Dec 2024 16:51

Tgt Ion:152 Resp: 80855

Ion	Ratio	Lower	Upper
152	100		
115	61.7	45.4	136.2
150	153.9	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:	AECOM Technical Services, Inc.	Date Collected:	12/06/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/06/24
Client Sample ID:	RE108D1-20241206	SDG No.:	P5164
Lab Sample ID:	P5164-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044188.D	1		12/09/24 15:17	VX120924

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	0.33	J	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	24.5		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:	AECOM Technical Services, Inc.	Date Collected:	12/06/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/06/24
Client Sample ID:	RE108D1-20241206	SDG No.:	P5164
Lab Sample ID:	P5164-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044188.D	1		12/09/24 15:17	VX120924

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	2.30		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	46.7		80 - 119		93%	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	120000	5.543				
540-36-3	1,4-Difluorobenzene	226000	6.757				
3114-55-4	Chlorobenzene-d5	193000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	74600	12.024				

Raw Data: **VX044188.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/06/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/06/24
Client Sample ID:	RE108D1-20241206	SDG No.:	P5164
Lab Sample ID:	P5164-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044188.D	1		12/09/24 15:17	VX120924

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: **VX044188.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044188.D
Acq On : 09 Dec 2024 15:17
Operator : JC/MD
Sample : P5164-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20241206

Quant Time: Dec 10 01:43:30 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

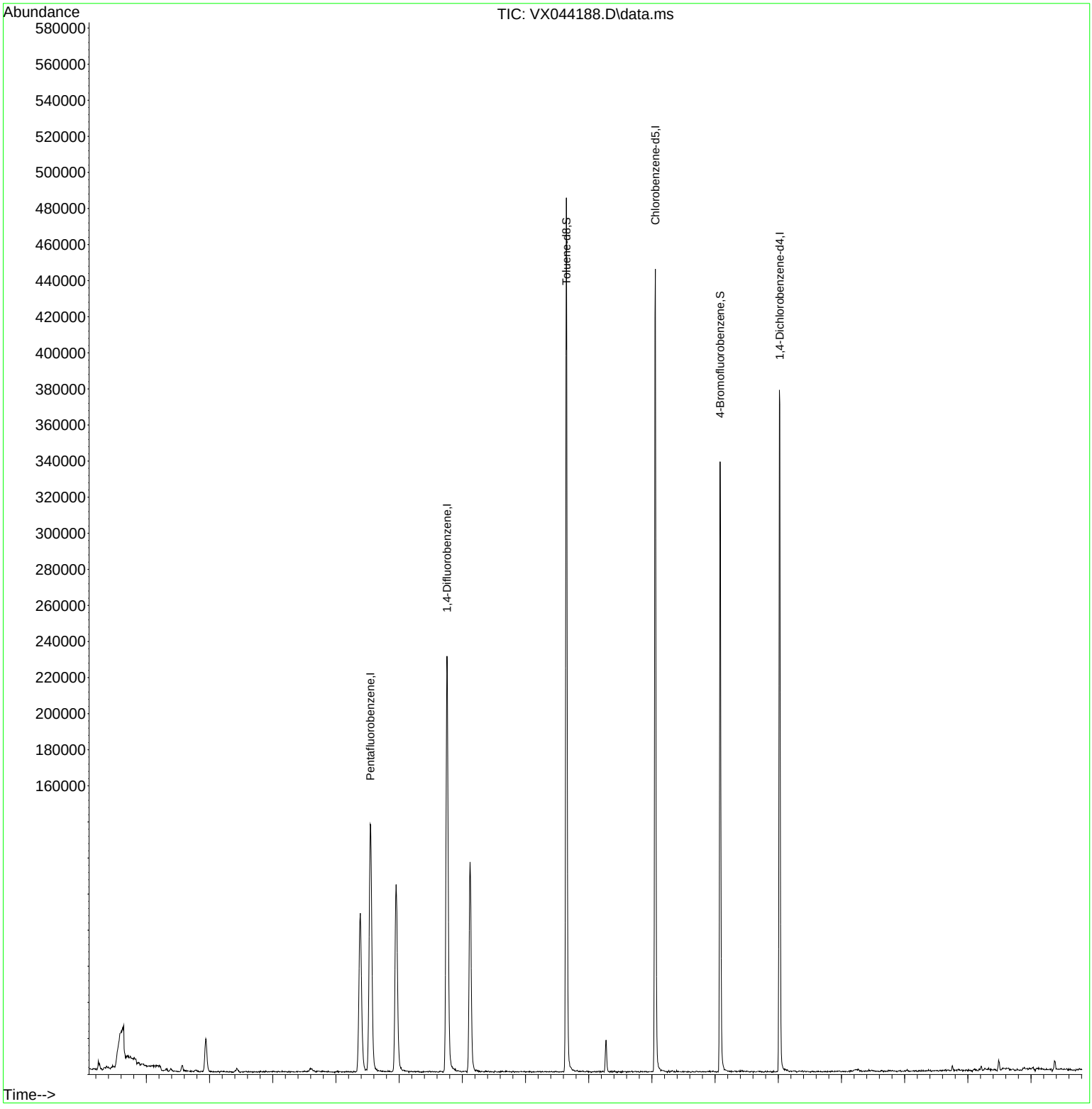
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	120459	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	226191	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	192858	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	74622	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	104646	50.650	ug/l	0.01
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.300%			
35) Dibromofluoromethane	5.385	113	75400	46.651	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.300%			
50) Toluene-d8	8.646	98	275938	49.528	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.060%			
62) 4-Bromofluorobenzene	11.079	95	88621	46.739	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.480%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.312	101	478	0.328	ug/l #	76
16) Acetone	2.385	43	1505	1.586	ug/l	99
44) Trichloroethene	7.122	130	43452	24.467	ug/l	99
64) Tetrachloroethene	9.274	164	2879	2.264	ug/l	94

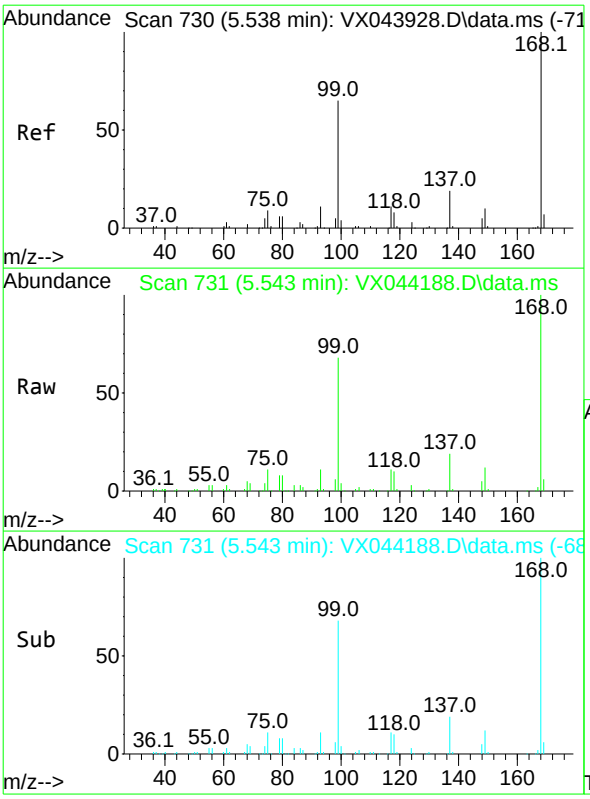
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044188.D
Acq On : 09 Dec 2024 15:17
Operator : JC/MD
Sample : P5164-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20241206

Quant Time: Dec 10 01:43:30 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



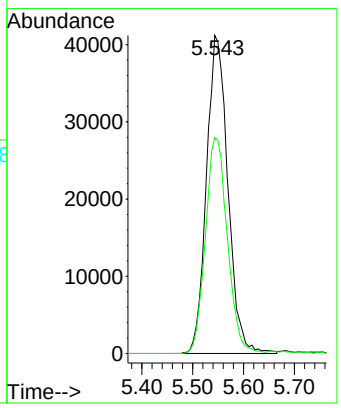


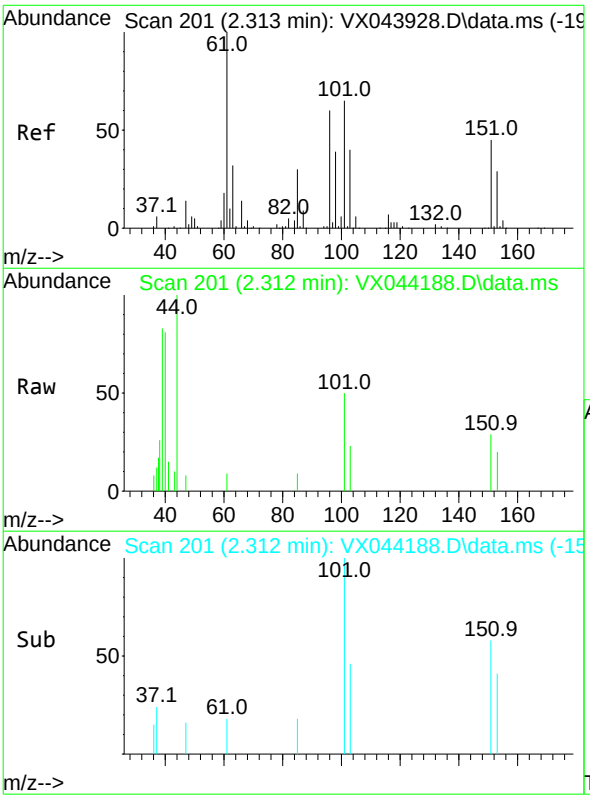
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 73
Delta R.T. 0.005 min
Lab File: VX044188.D
Acq: 09 Dec 2024 15:17

Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20241206

Tgt Ion:168 Resp: 120459

Ion	Ratio	Lower	Upper
168	100		
99	67.9	51.8	77.8

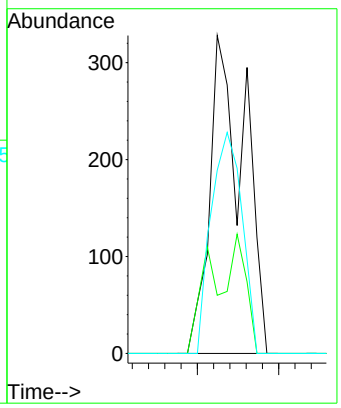


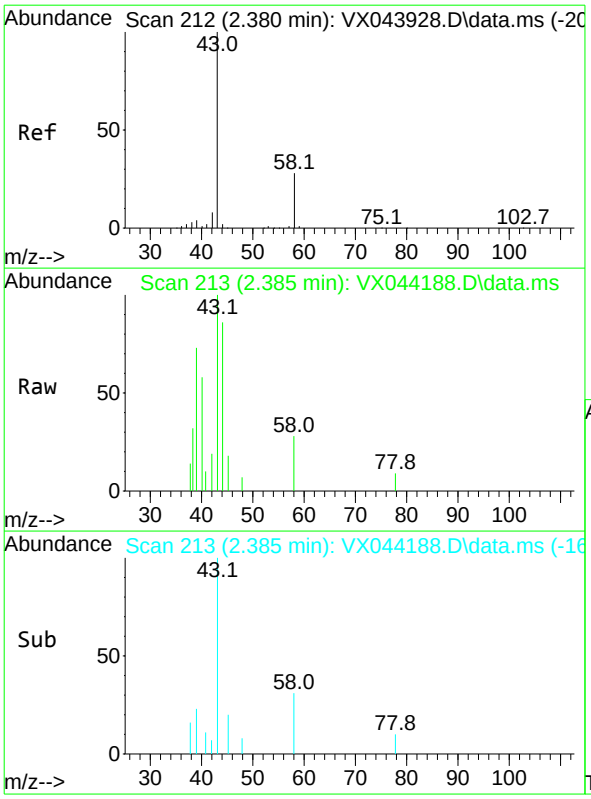


#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.328 ug/l
RT: 2.312 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX044188.D
Acq: 09 Dec 2024 15:17

Tgt Ion:101 Resp: 478

Ion	Ratio	Lower	Upper
101	100		
85	17.2	37.9	56.9#
151	63.2	57.5	86.3



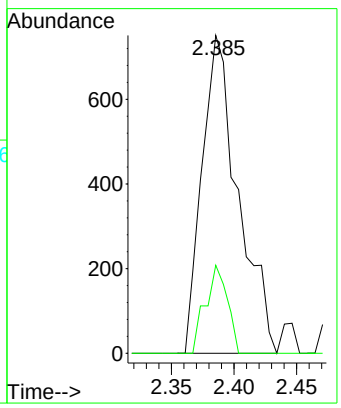


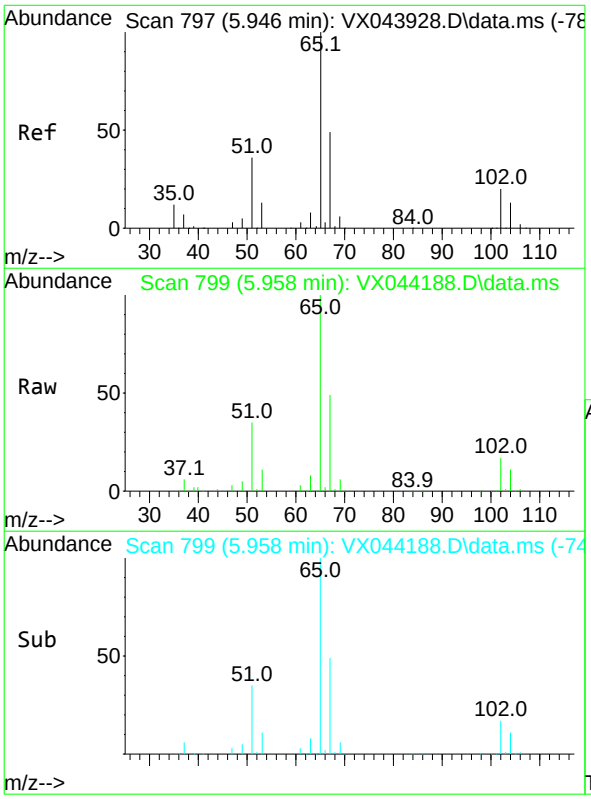
#16
Acetone
Concen: 1.586 ug/l
RT: 2.385 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX044188.D
Acq: 09 Dec 2024 15:17

Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20241206

Tgt Ion: 43 Resp: 1505

Ion	Ratio	Lower	Upper
43	100		
58	27.7	22.7	34.1

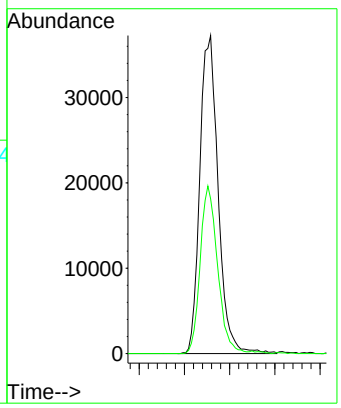


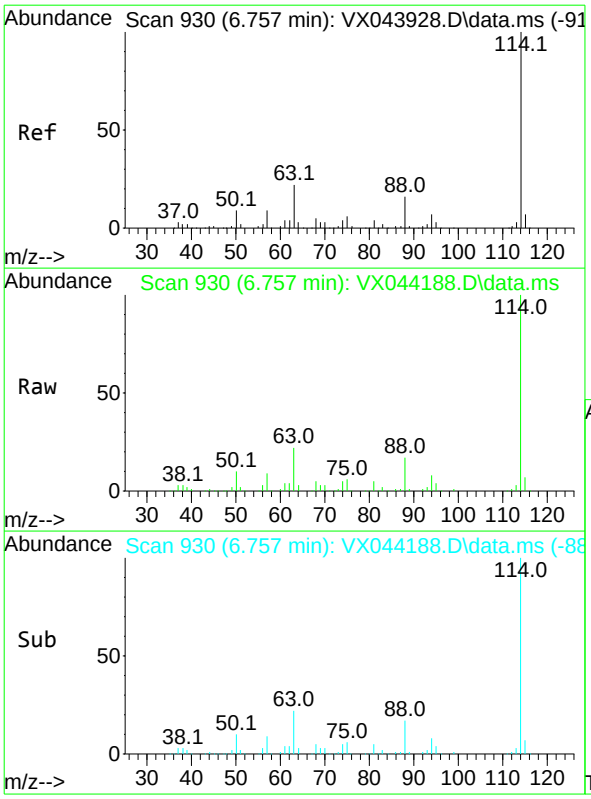


#33
1,2-Dichloroethane-d4
Concen: 50.650 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.012 min
Lab File: VX044188.D
Acq: 09 Dec 2024 15:17

Tgt Ion: 65 Resp: 104646

Ion	Ratio	Lower	Upper
65	100		
67	50.0	0.0	100.8



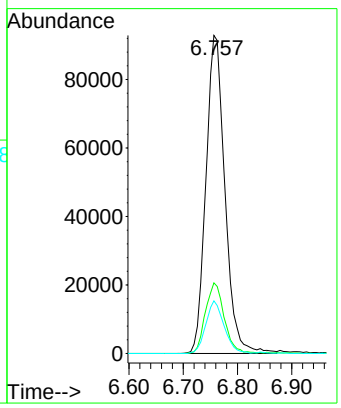


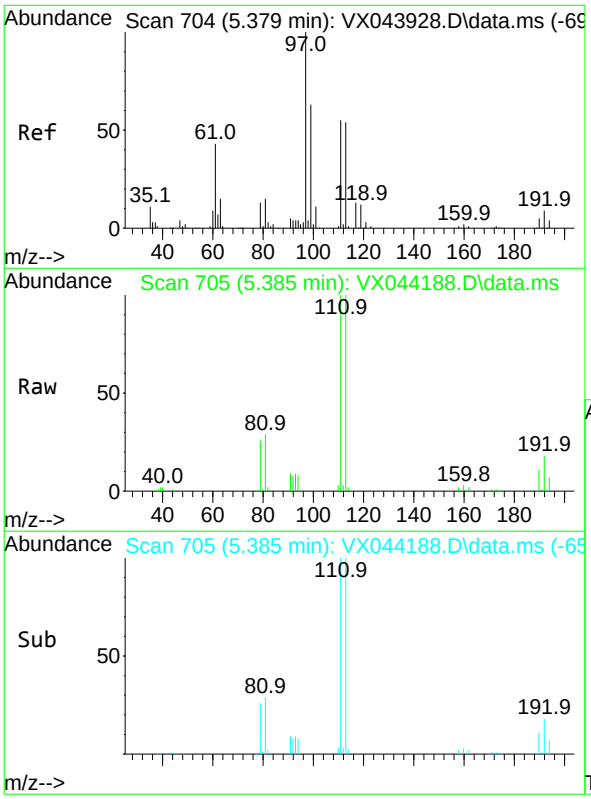
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. -0.000 min
Lab File: VX044188.D
Acq: 09 Dec 2024 15:17

Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20241206

Tgt Ion:114 Resp: 226191

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	44.0
88	16.5	0.0	32.4

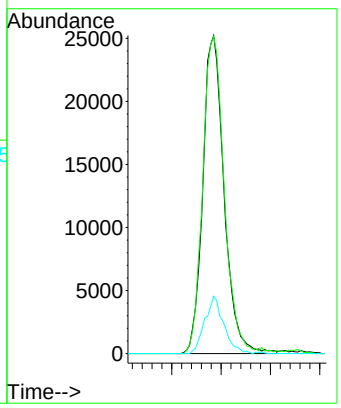


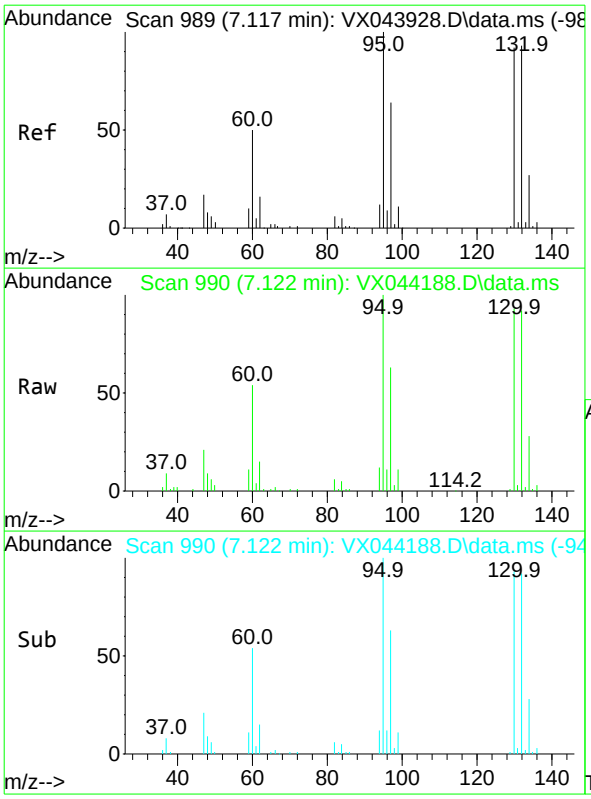


#35
Dibromofluoromethane
Concen: 46.651 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX044188.D
Acq: 09 Dec 2024 15:17

Tgt Ion:113 Resp: 75400

Ion	Ratio	Lower	Upper
113	100		
111	101.1	81.0	121.4
192	16.1	13.0	19.6



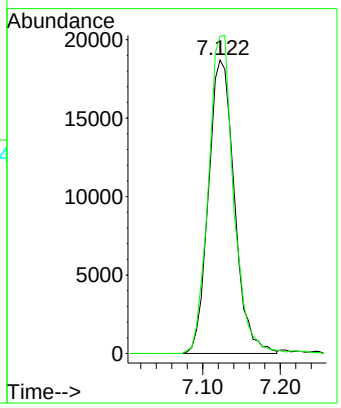


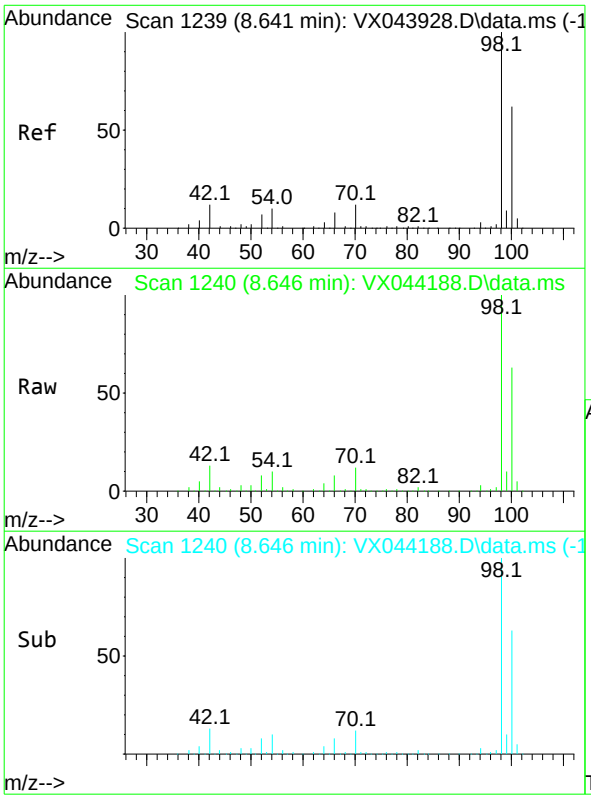
#44
Trichloroethene
Concen: 24.467 ug/l
RT: 7.122 min Scan# 99
Delta R.T. 0.006 min
Lab File: VX044188.D
Acq: 09 Dec 2024 15:17

Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20241206

Tgt Ion:130 Resp: 43452

Ion	Ratio	Lower	Upper
130	100		
95	108.1	0.0	217.8

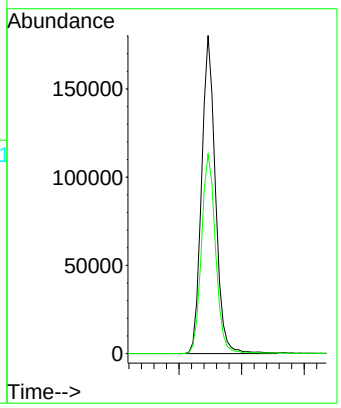


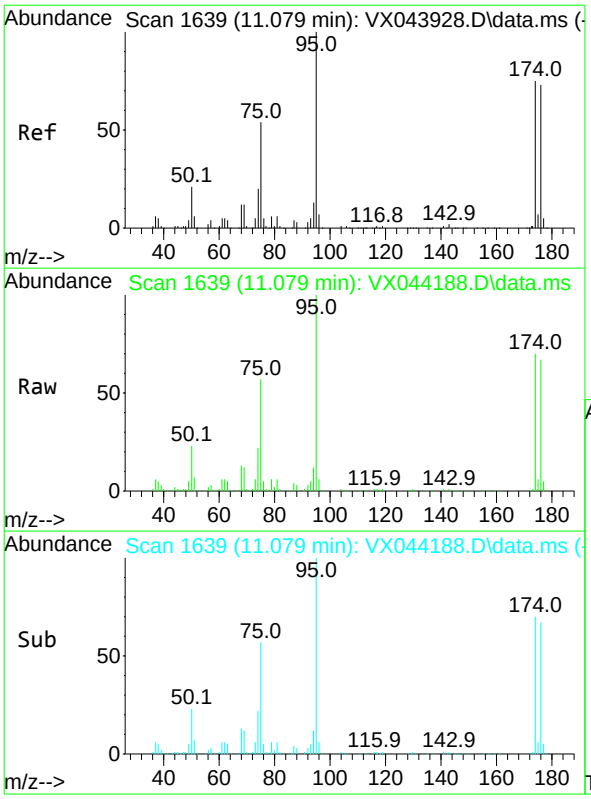


#50
Toluene-d8
Concen: 49.528 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX044188.D
Acq: 09 Dec 2024 15:17

Tgt Ion: 98 Resp: 275938

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.6	79.0



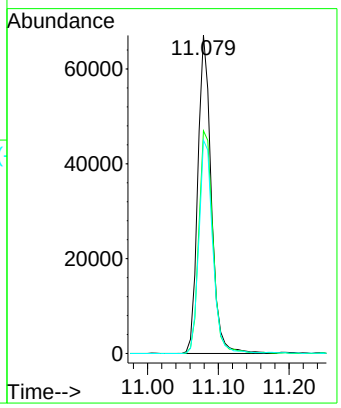


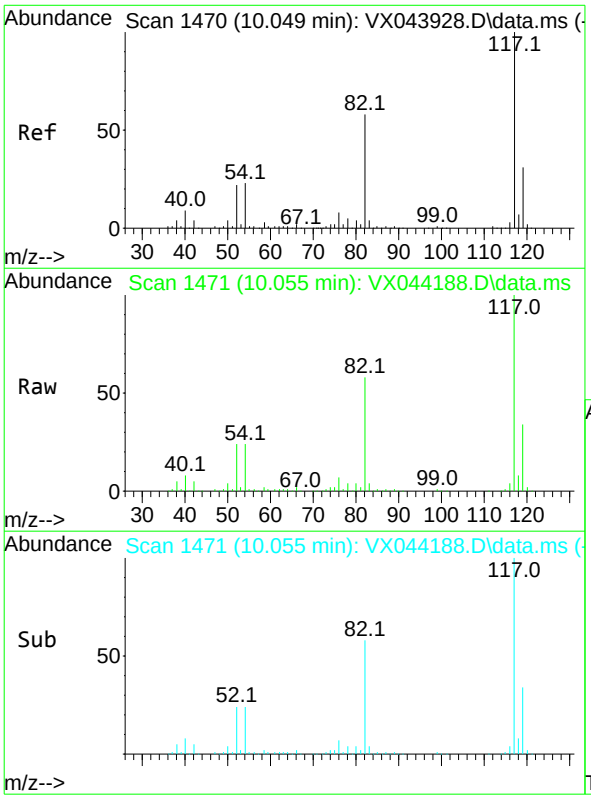
#62
4-Bromofluorobenzene
Concen: 46.739 ug/l
RT: 11.079 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044188.D
Acq: 09 Dec 2024 15:17

Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20241206

Tgt Ion: 95 Resp: 88621

Ion	Ratio	Lower	Upper
95	100		
174	73.3	0.0	150.4
176	69.1	0.0	146.0

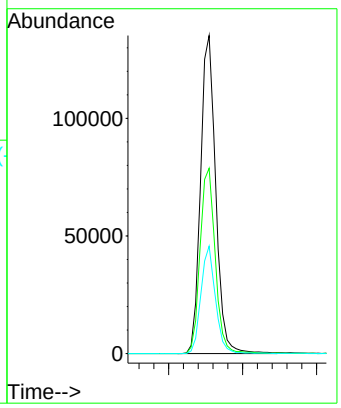


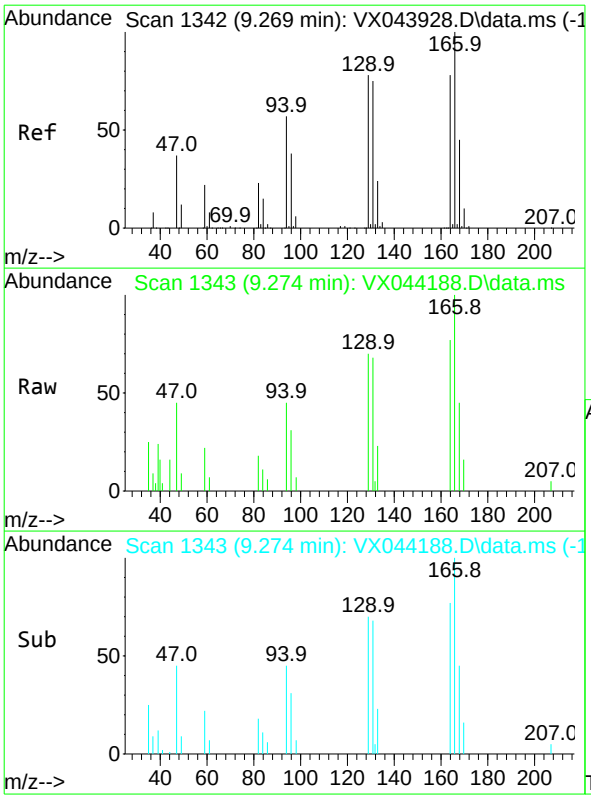


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX044188.D
Acq: 09 Dec 2024 15:17

Tgt Ion:117 Resp: 192858

Ion	Ratio	Lower	Upper
117	100		
82	58.3	46.4	69.6
119	33.8	24.6	37.0



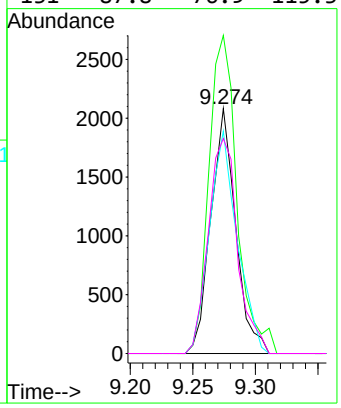


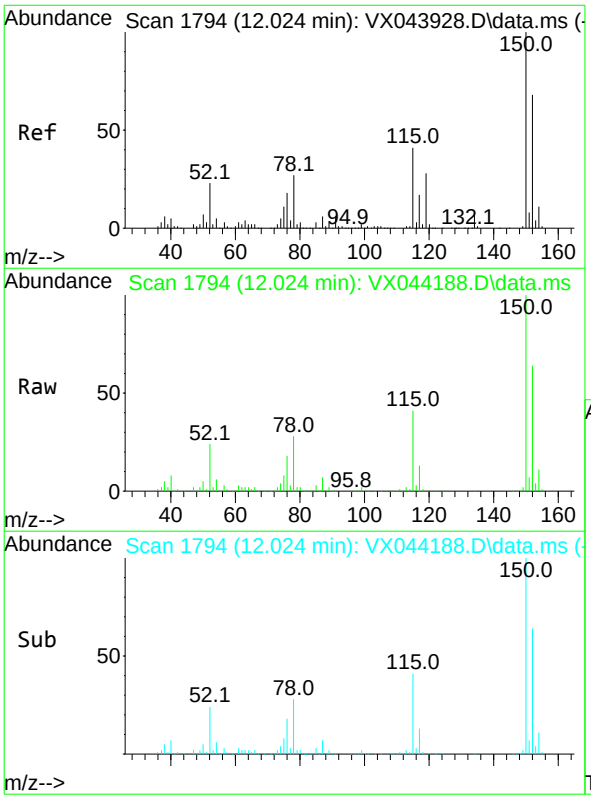
#64
Tetrachloroethene
Concen: 2.264 ug/l
RT: 9.274 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX044188.D
Acq: 09 Dec 2024 15:17

Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20241206

Tgt Ion:164 Resp: 2879

Ion	Ratio	Lower	Upper
164	100		
166	129.9	102.1	153.1
129	90.8	79.6	119.4
131	87.8	76.9	115.3

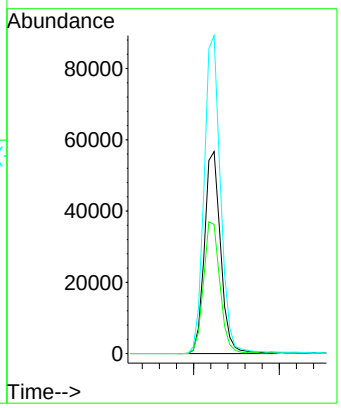




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX044188.D
Acq: 09 Dec 2024 15:17

Tgt Ion:152 Resp: 74622

Ion	Ratio	Lower	Upper
152	100		
115	66.2	45.4	136.2
150	160.7	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:	AECOM Technical Services, Inc.	Date Collected:	12/06/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/06/24
Client Sample ID:	RE105D1-20241206	SDG No.:	P5164
Lab Sample ID:	P5164-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044189.D	1		12/09/24 15:40	VX120924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1.10		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	6.10		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.76	J	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	0.36	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	39.6		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:	AECOM Technical Services, Inc.	Date Collected:	12/06/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/06/24
Client Sample ID:	RE105D1-20241206	SDG No.:	P5164
Lab Sample ID:	P5164-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044189.D	1		12/09/24 15:40	VX120924

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	50.3		81 - 118		101%	SPK: 50
1868-53-7	Dibromofluoromethane	45.7		80 - 119		91%	SPK: 50
2037-26-5	Toluene-d8	49.5		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.2		85 - 114		96%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	109000	5.544				
540-36-3	1,4-Difluorobenzene	205000	6.757				
3114-55-4	Chlorobenzene-d5	176000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	70900	12.024				

Raw Data: **VX044189.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/06/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/06/24
Client Sample ID:	RE105D1-20241206	SDG No.:	P5164
Lab Sample ID:	P5164-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044189.D	1		12/09/24 15:40	VX120924

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\VX120924\
Data File : VX044189.D
Acq On : 09 Dec 2024 15:40
Operator : JC/MD
Sample : P5164-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE105D1-20241206

Quant Time: Dec 10 01:43:56 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

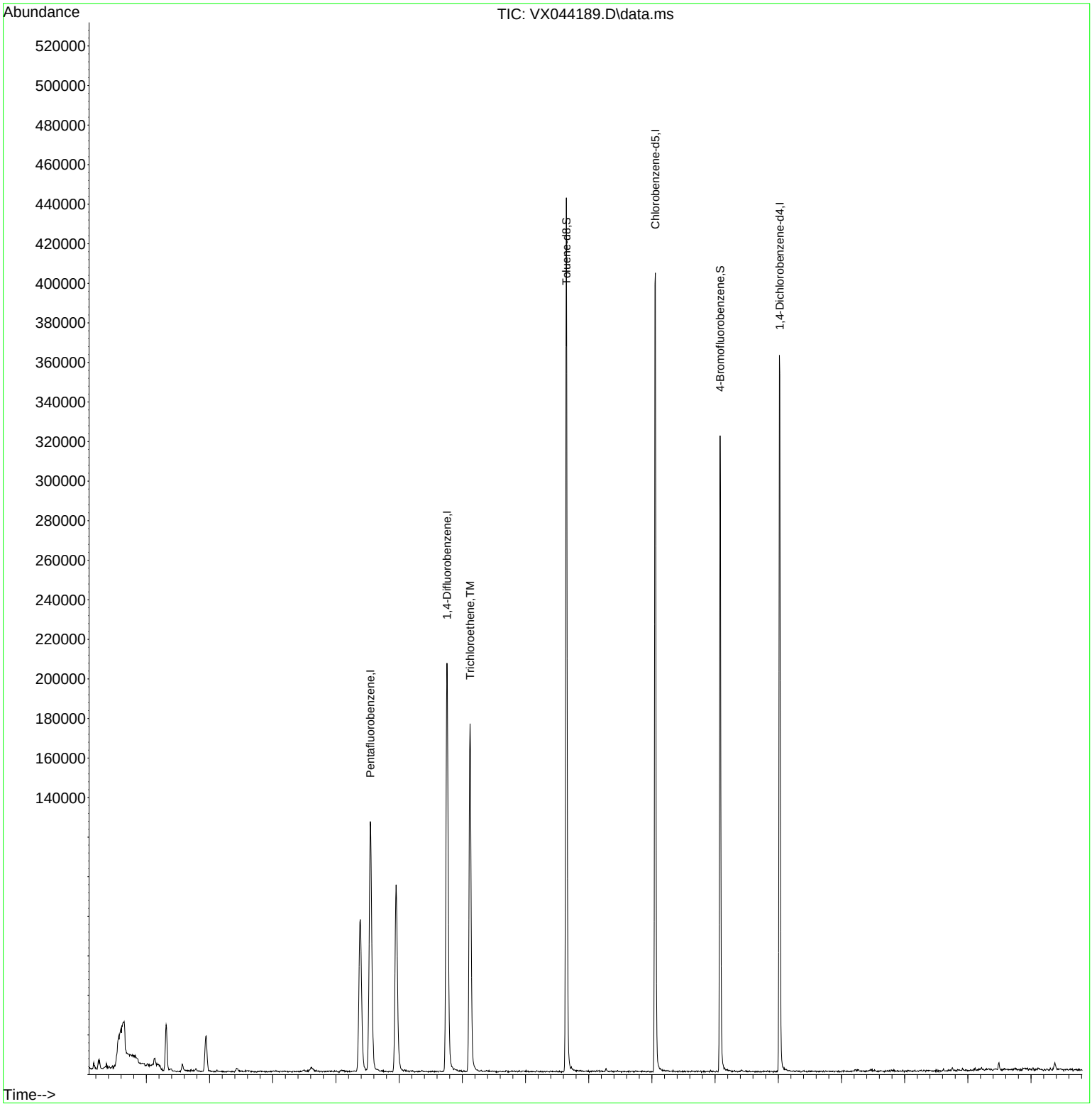
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	108813	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	204658	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	176157	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	70850	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	93943	50.336	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.680%			
35) Dibromofluoromethane	5.379	113	66846	45.710	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 91.420%			
50) Toluene-d8	8.647	98	249398	49.474	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.940%			
62) 4-Bromofluorobenzene	11.079	95	82640	48.170	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.340%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	1508	1.094	ug/l	89
3) Chloromethane	1.301	50	415	0.286	ug/l #	73
9) 1,1,2-Trichlorotrifluo...	2.313	101	7968	6.056	ug/l	95
12) 1,1-Dichloroethene	2.307	96	958	0.764	ug/l #	74
16) Acetone	2.386	43	1077	1.256	ug/l	93
20) Methylene Chloride	2.782	84	530	0.364	ug/l #	76
44) Trichloroethene	7.123	130	63691	39.636	ug/l	100

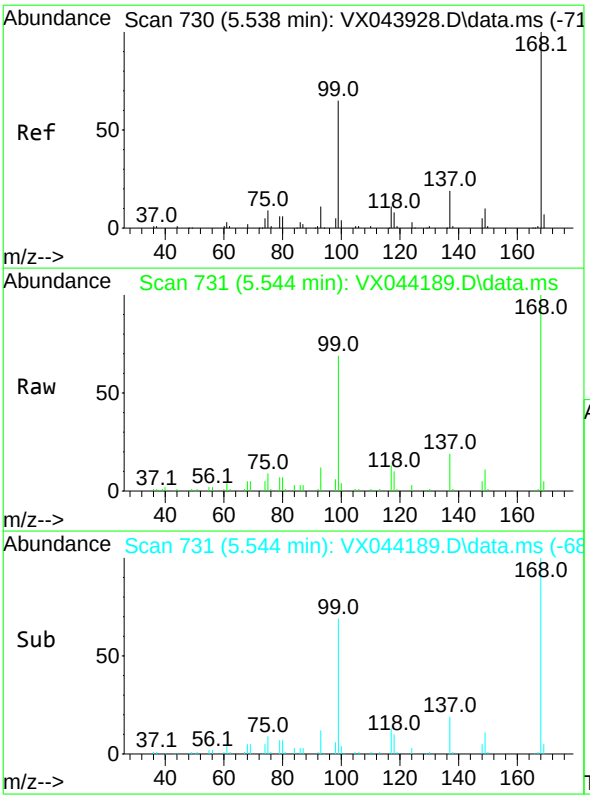
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044189.D
Acq On : 09 Dec 2024 15:40
Operator : JC/MD
Sample : P5164-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE105D1-20241206

Quant Time: Dec 10 01:43:56 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



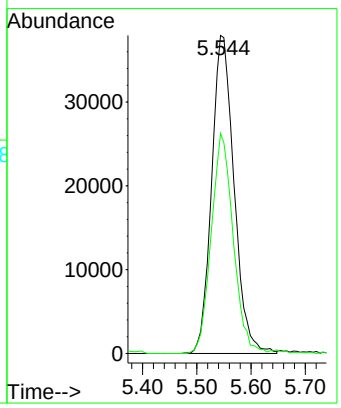


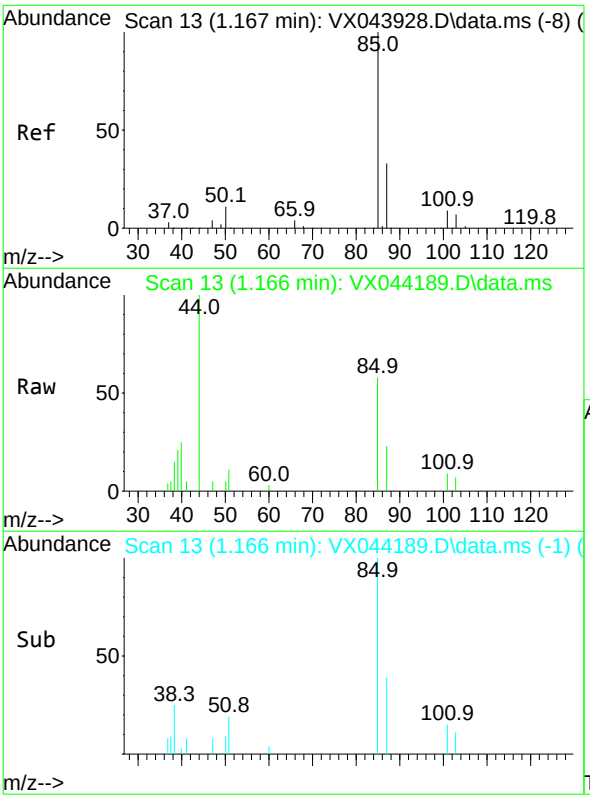
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. 0.006 min
Lab File: VX044189.D
Acq: 09 Dec 2024 15:40

Instrument :
MSVOA_X
ClientSampleId :
RE105D1-20241206

Tgt Ion:168 Resp: 108813

Ion	Ratio	Lower	Upper
168	100		
99	69.2	51.8	77.8

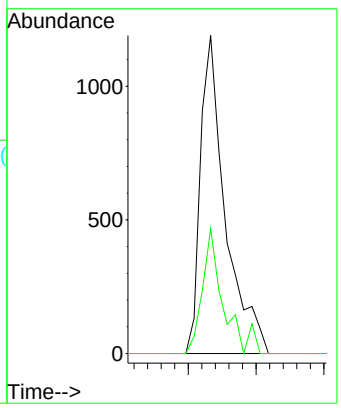


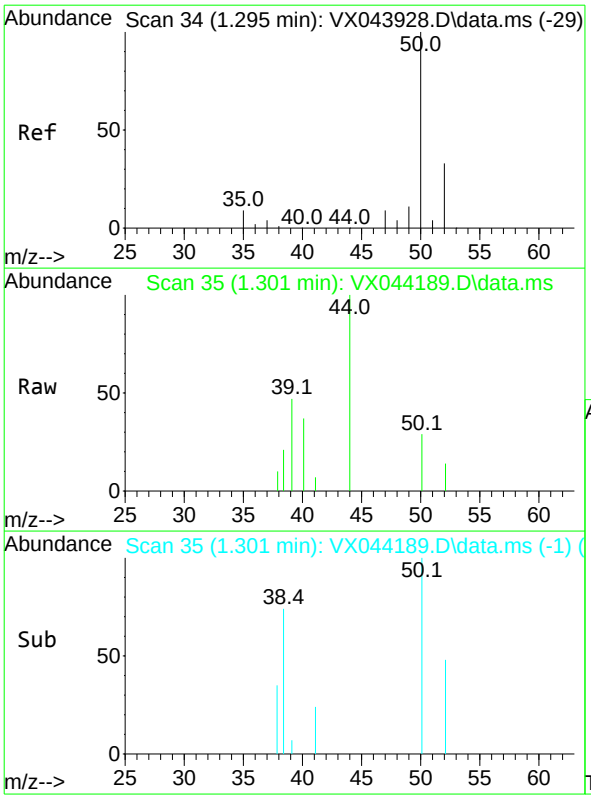


#2
Dichlorodifluoromethane
Concen: 1.094 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044189.D
Acq: 09 Dec 2024 15:40

Tgt Ion: 85 Resp: 1508

Ion	Ratio	Lower	Upper
85	100		
87	39.2	16.6	49.8



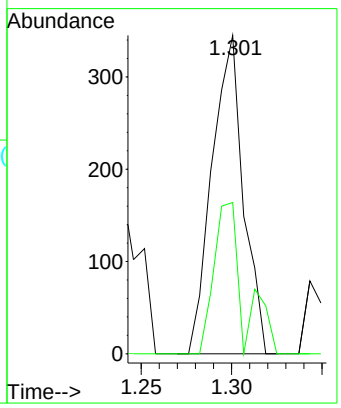


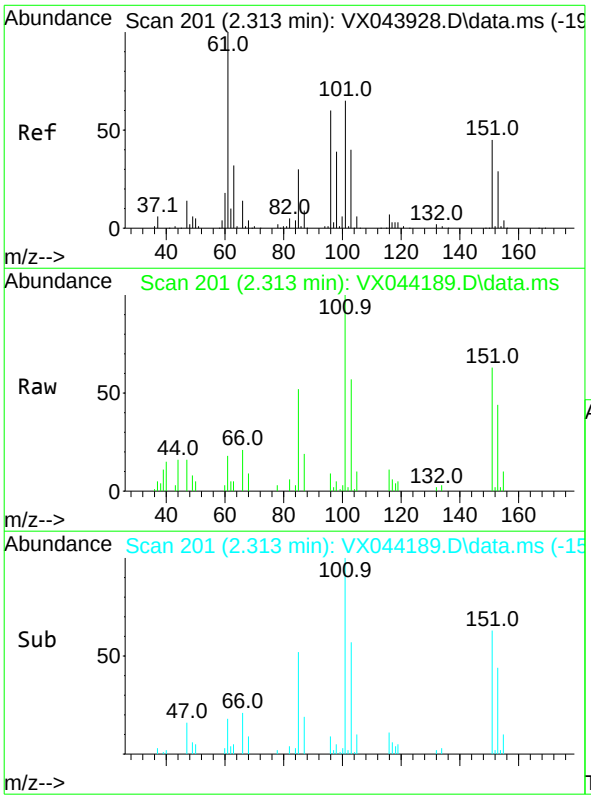
#3
Chloromethane
Concen: 0.286 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX044189.D
Acq: 09 Dec 2024 15:40

Instrument :
MSVOA_X
ClientSampleId :
RE105D1-20241206

Tgt Ion: 50 Resp: 415

Ion	Ratio	Lower	Upper
50	100		
52	47.5	26.1	39.1#

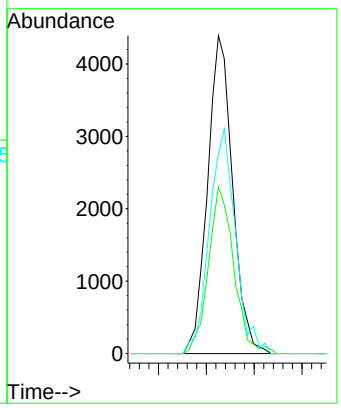


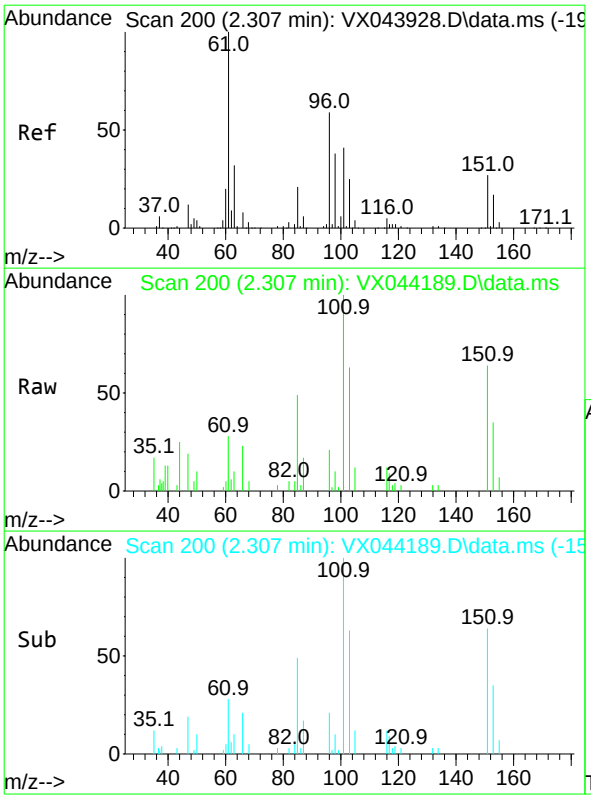


#9
1,1,2-Trichlorotrifluoroethane
Concen: 6.056 ug/l
RT: 2.313 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX044189.D
Acq: 09 Dec 2024 15:40

Tgt Ion:101 Resp: 7968

Ion	Ratio	Lower	Upper
101	100		
85	53.2	37.9	56.9
151	73.8	57.5	86.3



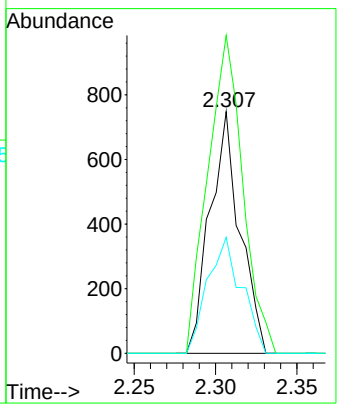


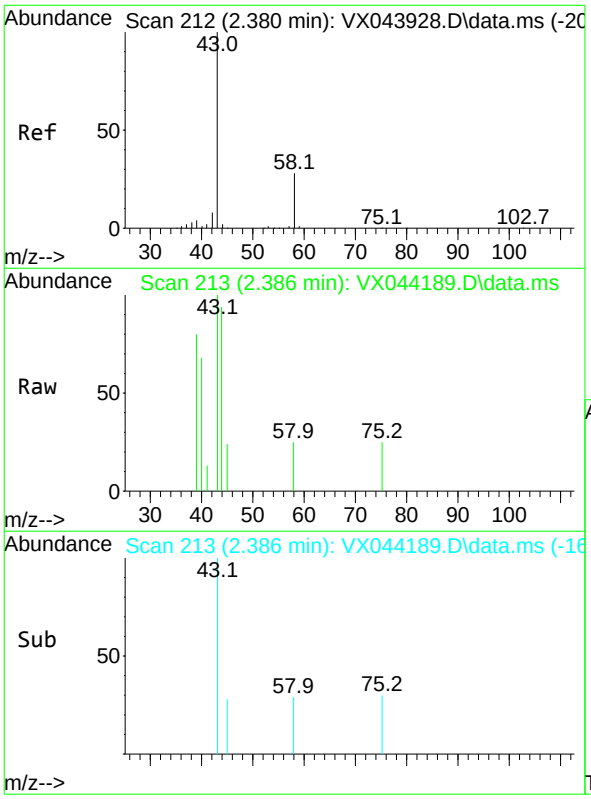
#12
1,1-Dichloroethene
Concen: 0.764 ug/l
RT: 2.307 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044189.D
Acq: 09 Dec 2024 15:40

Instrument :
MSVOA_X
ClientSampleId :
RE105D1-20241206

Tgt Ion: 96 Resp: 958

Ion	Ratio	Lower	Upper
96	100		
61	131.6	135.5	203.3#
98	48.0	50.8	76.2#

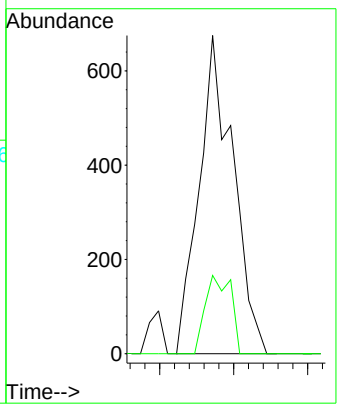


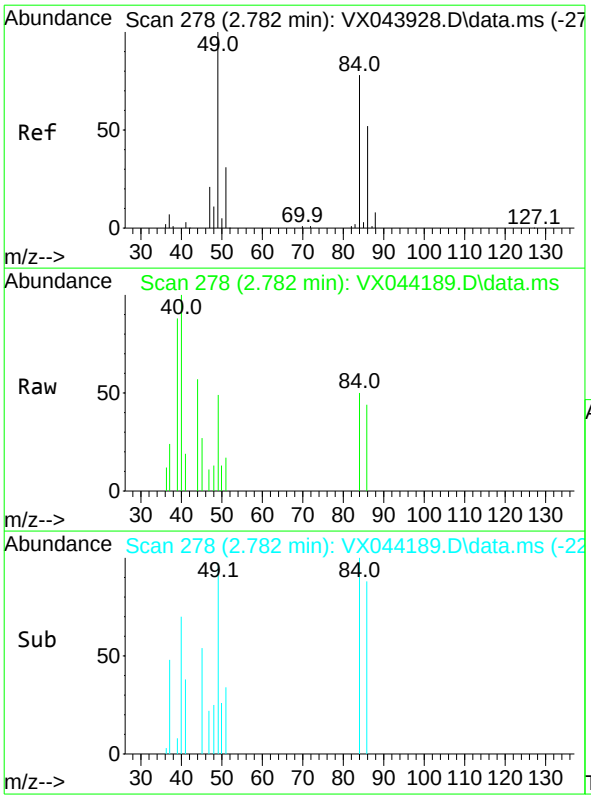


#16
Acetone
Concen: 1.256 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX044189.D
Acq: 09 Dec 2024 15:40

Tgt Ion: 43 Resp: 1077

Ion	Ratio	Lower	Upper
43	100		
58	24.6	22.7	34.1



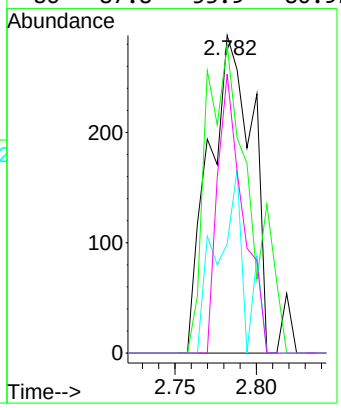


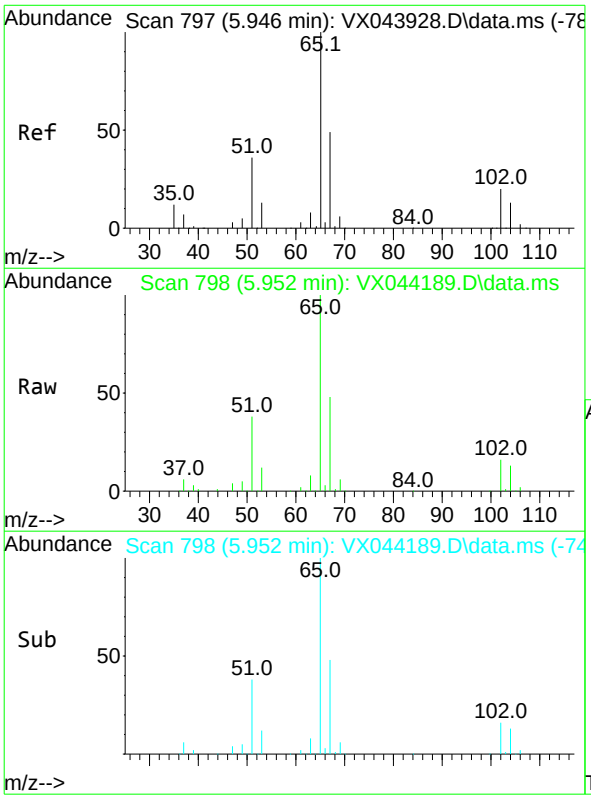
#20
Methylene Chloride
Concen: 0.364 ug/l
RT: 2.782 min Scan# 27
Delta R.T. -0.000 min
Lab File: VX044189.D
Acq: 09 Dec 2024 15:40

Instrument :
MSVOA_X
ClientSampleId :
RE105D1-20241206

Tgt Ion: 84 Resp: 530

Ion	Ratio	Lower	Upper
84	100		
49	96.9	102.7	154.1#
51	34.4	31.7	47.5
86	87.8	53.9	80.9#

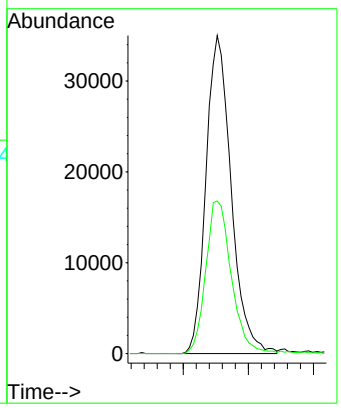


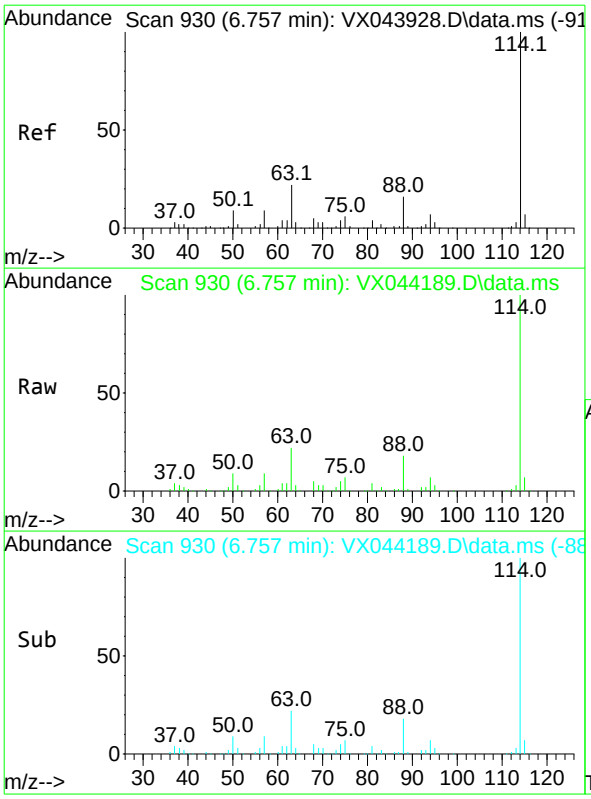


#33
1,2-Dichloroethane-d4
Concen: 50.336 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX044189.D
Acq: 09 Dec 2024 15:40

Tgt Ion: 65 Resp: 93943

Ion	Ratio	Lower	Upper
65	100		
67	48.6	0.0	100.8



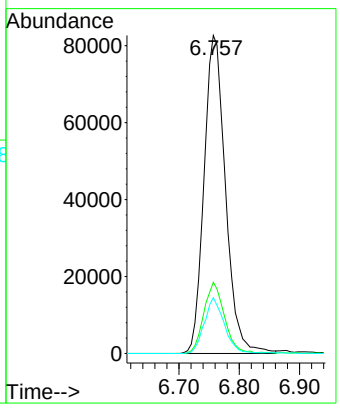


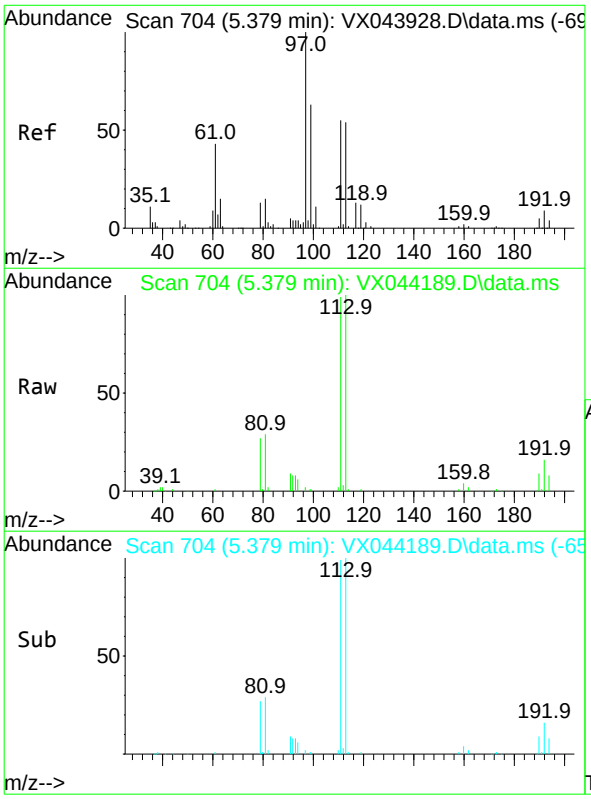
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. -0.000 min
Lab File: VX044189.D
Acq: 09 Dec 2024 15:40

Instrument :
MSVOA_X
ClientSampleId :
RE105D1-20241206

Tgt Ion:114 Resp: 204658

Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	44.0
88	17.5	0.0	32.4

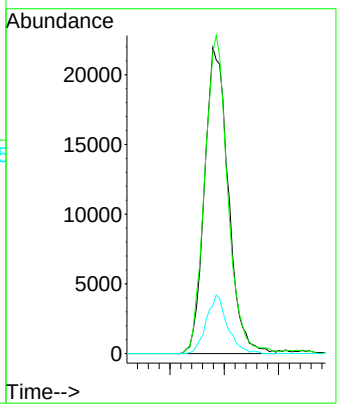


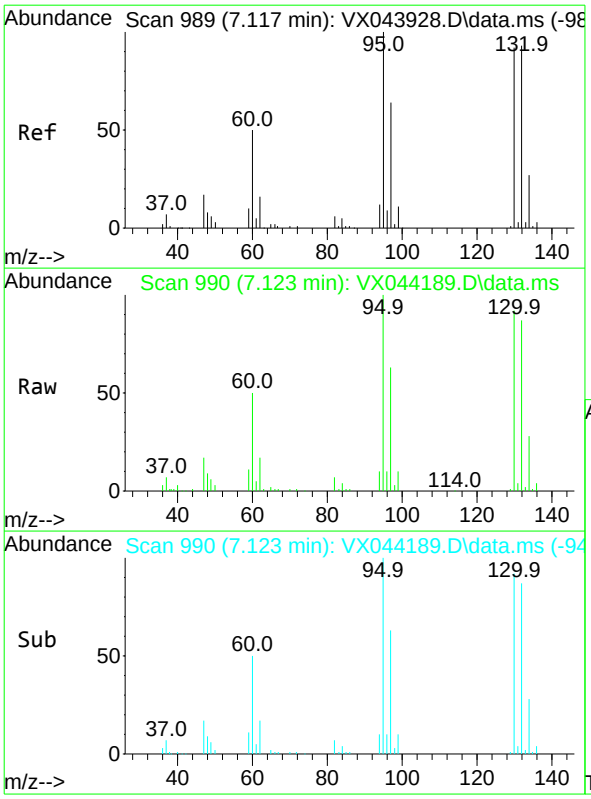


#35
Dibromofluoromethane
Concen: 45.710 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX044189.D
Acq: 09 Dec 2024 15:40

Tgt Ion:113 Resp: 66846

Ion	Ratio	Lower	Upper
113	100		
111	100.9	81.0	121.4
192	17.0	13.0	19.6



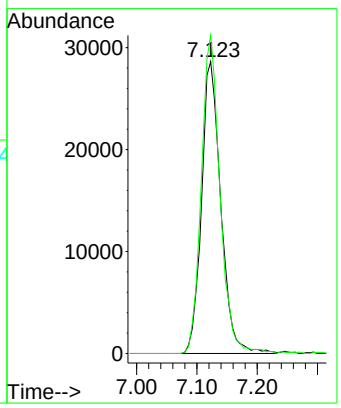


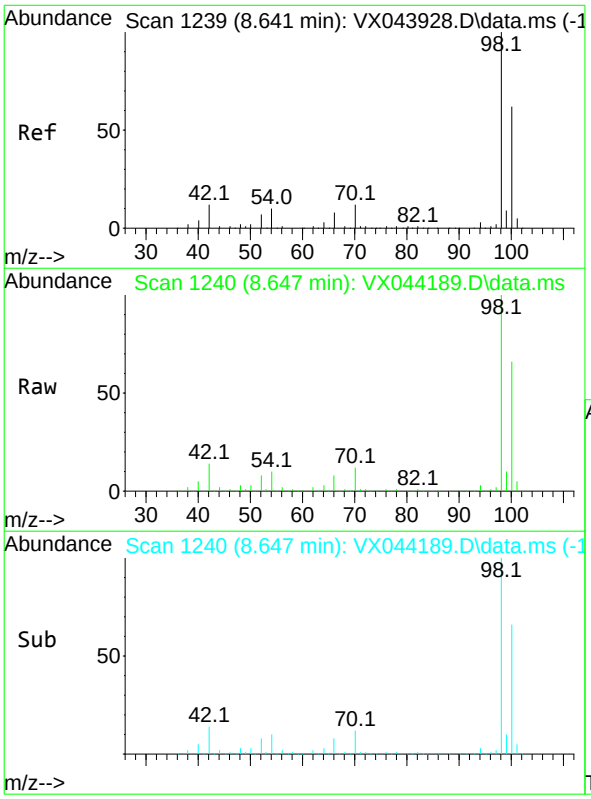
#44
Trichloroethene
Concen: 39.636 ug/l
RT: 7.123 min Scan# 99
Delta R.T. 0.006 min
Lab File: VX044189.D
Acq: 09 Dec 2024 15:40

Instrument :
MSVOA_X
ClientSampleId :
RE105D1-20241206

Tgt Ion:130 Resp: 63691

Ion	Ratio	Lower	Upper
130	100		
95	108.9	0.0	217.8

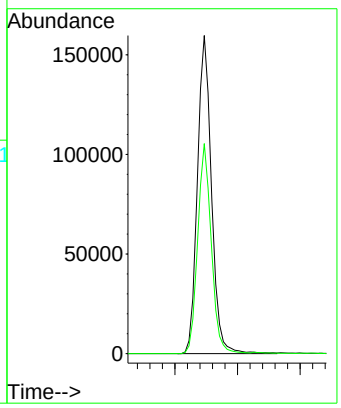


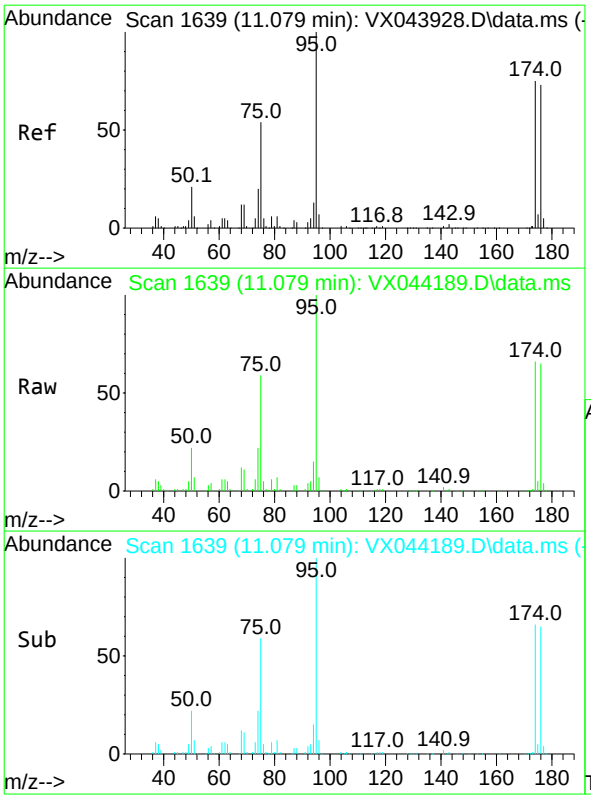


#50
Toluene-d8
Concen: 49.474 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX044189.D
Acq: 09 Dec 2024 15:40

Tgt Ion: 98 Resp: 249398

Ion	Ratio	Lower	Upper
98	100		
100	63.7	52.6	79.0



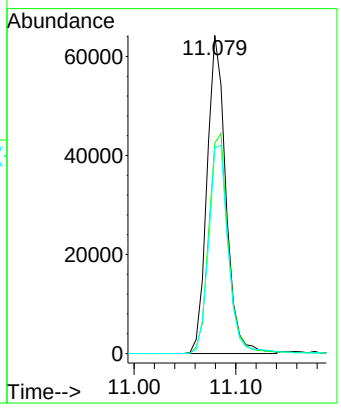


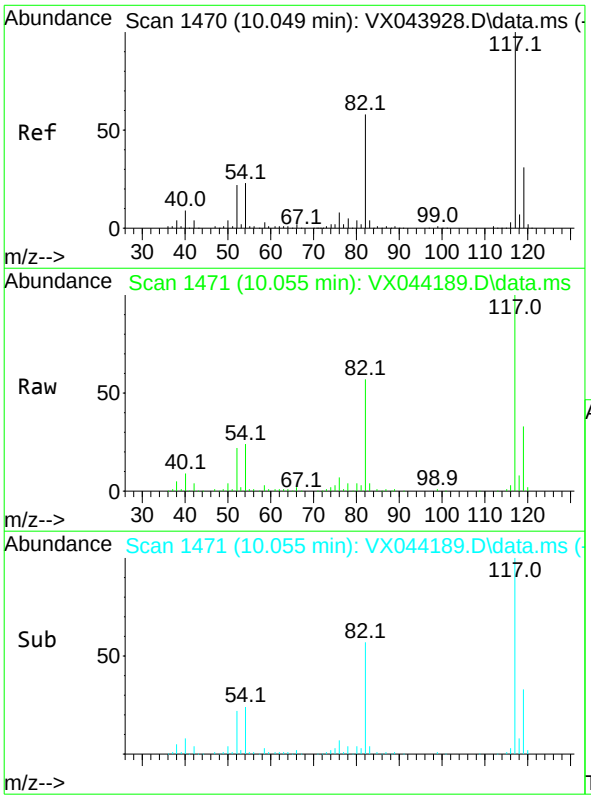
#62
4-Bromofluorobenzene
Concen: 48.170 ug/l
RT: 11.079 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044189.D
Acq: 09 Dec 2024 15:40

Instrument :
MSVOA_X
ClientSampleId :
RE105D1-20241206

Tgt Ion: 95 Resp: 82640

Ion	Ratio	Lower	Upper
95	100		
174	72.0	0.0	150.4
176	68.4	0.0	146.0

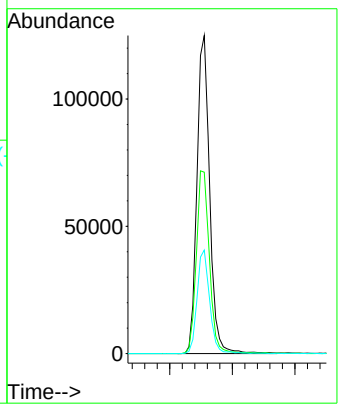


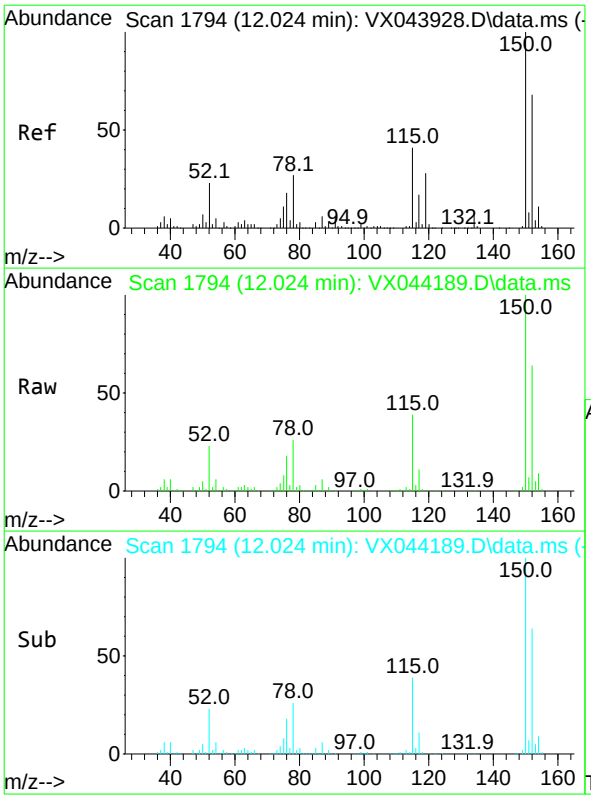


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX044189.D
Acq: 09 Dec 2024 15:40

Tgt Ion:117 Resp: 176157

Ion	Ratio	Lower	Upper
117	100		
82	57.0	46.4	69.6
119	32.5	24.6	37.0



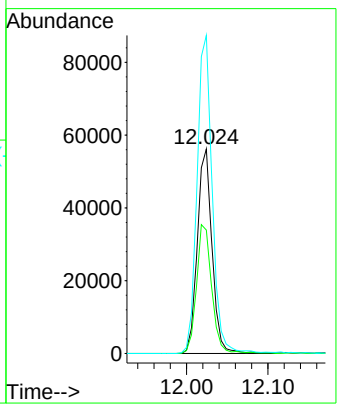


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044189.D
Acq: 09 Dec 2024 15:40

Instrument :
MSVOA_X
ClientSampleId :
RE105D1-20241206

Tgt Ion:152 Resp: 70850

Ion	Ratio	Lower	Upper
152	100		
115	64.9	45.4	136.2
150	159.7	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:	AECOM Technical Services, Inc.	Date Collected:	12/06/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/06/24
Client Sample ID:	RE105D2-20241206	SDG No.:	P5164
Lab Sample ID:	P5164-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044193.D	20		12/09/24 17:14	VX120924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	10.0	U	4.20	10.0	20.0	ug/L
74-87-3	Chloromethane	10.0	U	7.00	10.0	20.0	ug/L
75-01-4	Vinyl Chloride	15.0	U	6.80	15.0	20.0	ug/L
74-83-9	Bromomethane	75.0	U	27.2	75.0	100	ug/L
75-00-3	Chloroethane	15.0	U	11.2	15.0	20.0	ug/L
75-69-4	Trichlorofluoromethane	10.0	U	6.80	10.0	20.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.8	J	5.00	10.0	20.0	ug/L
75-35-4	1,1-Dichloroethene	15.0	U	5.20	15.0	20.0	ug/L
67-64-1	Acetone	75.0	U	27.8	75.0	100	ug/L
75-15-0	Carbon Disulfide	15.0	U	6.40	15.0	20.0	ug/L
1634-04-4	Methyl tert-butyl Ether	10.0	U	3.20	10.0	20.0	ug/L
79-20-9	Methyl Acetate	15.0	U	12.0	15.0	20.0	ug/L
75-09-2	Methylene Chloride	10.0	U	6.40	10.0	20.0	ug/L
156-60-5	trans-1,2-Dichloroethene	10.0	U	5.00	10.0	20.0	ug/L
75-34-3	1,1-Dichloroethane	10.0	U	4.60	10.0	20.0	ug/L
110-82-7	Cyclohexane	50.0	U	32.4	50.0	100	ug/L
78-93-3	2-Butanone	50.0	U	26.0	50.0	100	ug/L
56-23-5	Carbon Tetrachloride	10.0	U	5.00	10.0	20.0	ug/L
156-59-2	cis-1,2-Dichloroethene	15.0	U	5.00	15.0	20.0	ug/L
74-97-5	Bromochloromethane	10.0	U	3.60	10.0	20.0	ug/L
67-66-3	Chloroform	10.0	U	5.20	10.0	20.0	ug/L
71-55-6	1,1,1-Trichloroethane	10.0	U	3.80	10.0	20.0	ug/L
108-87-2	Methylcyclohexane	10.0	U	3.80	10.0	20.0	ug/L
71-43-2	Benzene	10.0	U	3.20	10.0	20.0	ug/L
107-06-2	1,2-Dichloroethane	10.0	U	4.80	10.0	20.0	ug/L
79-01-6	Trichloroethene	1600		6.40	15.0	20.0	ug/L
78-87-5	1,2-Dichloropropane	10.0	U	3.80	10.0	20.0	ug/L
75-27-4	Bromodichloromethane	10.0	U	4.80	10.0	20.0	ug/L
108-10-1	4-Methyl-2-Pentanone	50.0	U	15.0	50.0	100	ug/L
108-88-3	Toluene	10.0	U	3.60	10.0	20.0	ug/L

Raw Data: **VX044193.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/06/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/06/24
Client Sample ID:	RE105D2-20241206	SDG No.:	P5164
Lab Sample ID:	P5164-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044193.D	20		12/09/24 17:14	VX120924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	10.0	U	4.20	10.0	20.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	10.0	U	3.60	10.0	20.0	ug/L
79-00-5	1,1,2-Trichloroethane	10.0	U	4.20	10.0	20.0	ug/L
591-78-6	2-Hexanone	50.0	U	22.6	50.0	100	ug/L
124-48-1	Dibromochloromethane	10.0	U	3.60	10.0	20.0	ug/L
106-93-4	1,2-Dibromoethane	10.0	U	3.20	10.0	20.0	ug/L
127-18-4	Tetrachloroethene	10.0	U	5.00	10.0	20.0	ug/L
108-90-7	Chlorobenzene	10.0	U	2.60	10.0	20.0	ug/L
100-41-4	Ethyl Benzene	10.0	U	3.20	10.0	20.0	ug/L
179601-23-1	m/p-Xylenes	20.0	U	6.20	20.0	40.0	ug/L
95-47-6	o-Xylene	10.0	U	2.80	10.0	20.0	ug/L
100-42-5	Styrene	10.0	U	3.20	10.0	20.0	ug/L
75-25-2	Bromoform	10.0	U	4.20	10.0	20.0	ug/L
98-82-8	Isopropylbenzene	10.0	U	2.60	10.0	20.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	10.0	U	5.40	10.0	20.0	ug/L
541-73-1	1,3-Dichlorobenzene	10.0	U	4.80	10.0	20.0	ug/L
106-46-7	1,4-Dichlorobenzene	10.0	U	5.40	10.0	20.0	ug/L
95-50-1	1,2-Dichlorobenzene	10.0	U	3.80	10.0	20.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	15.0	U	9.20	15.0	20.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	10.0	U	8.40	10.0	20.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	15.0	U	10.2	15.0	20.0	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.5		81 - 118		101%	SPK: 50
1868-53-7	Dibromofluoromethane	46.1		80 - 119		92%	SPK: 50
2037-26-5	Toluene-d8	49.5		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.5		85 - 114		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	109000	5.55				
540-36-3	1,4-Difluorobenzene	208000	6.757				
3114-55-4	Chlorobenzene-d5	183000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	82400	12.024				

Raw Data: **VX044193.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/06/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/06/24
Client Sample ID:	RE105D2-20241206	SDG No.:	P5164
Lab Sample ID:	P5164-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044193.D	20		12/09/24 17:14	VX120924

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\VX120924\
Data File : VX044193.D
Acq On : 09 Dec 2024 17:14
Operator : JC/MD
Sample : P5164-04 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE105D2-20241206

Quant Time: Dec 10 01:46:17 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

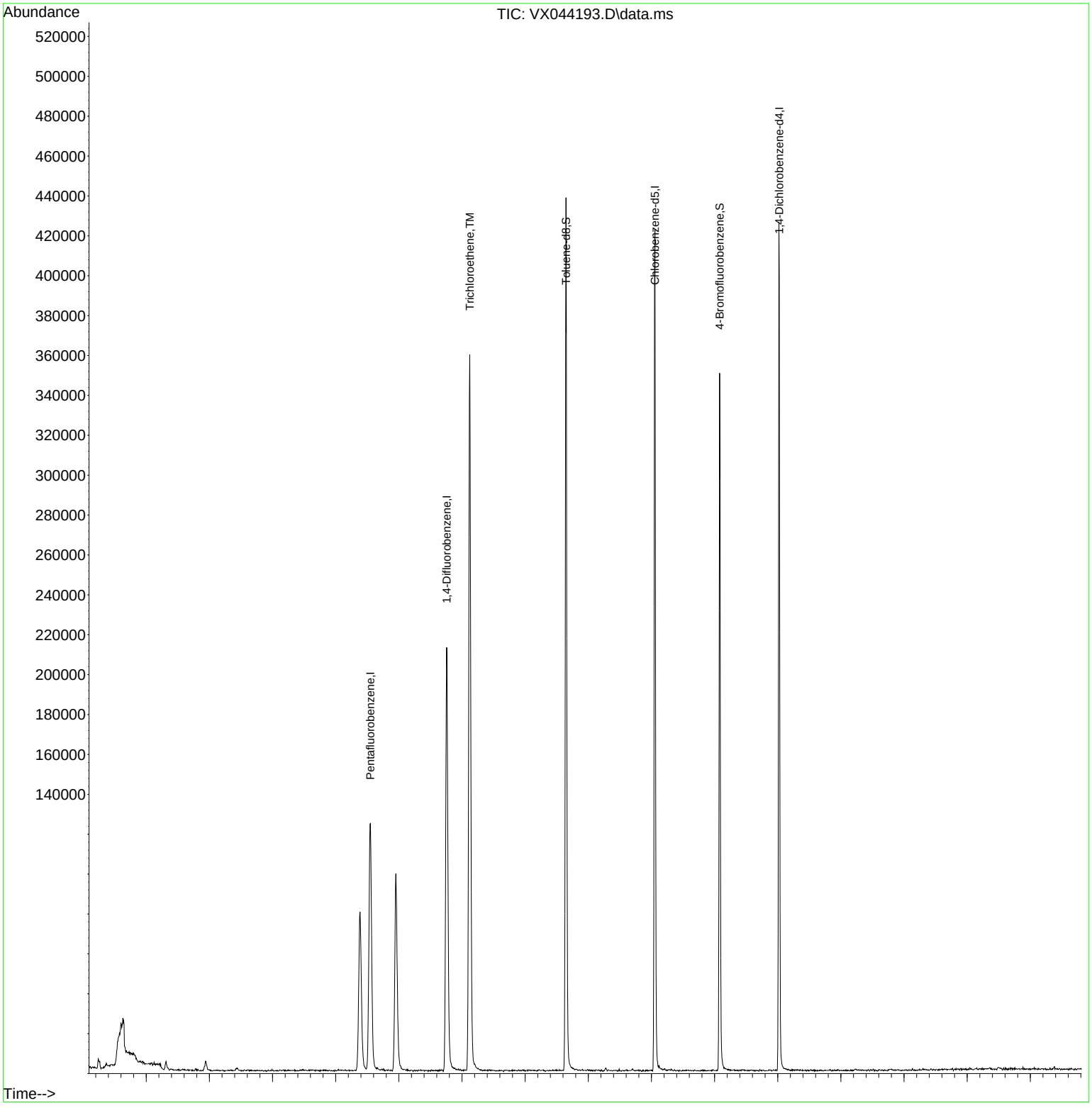
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	109323	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.757	114	207584	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	182923	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	82399	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	94710	50.510	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.020%			
35) Dibromofluoromethane	5.379	113	68391	46.108	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 92.220%			
50) Toluene-d8	8.647	98	252866	49.455	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.900%			
62) 4-Bromofluorobenzene	11.079	95	89579	51.479	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.960%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.313	101	1244	0.941	ug/l	96
44) Trichloroethene	7.123	130	129632	79.535	ug/l	97

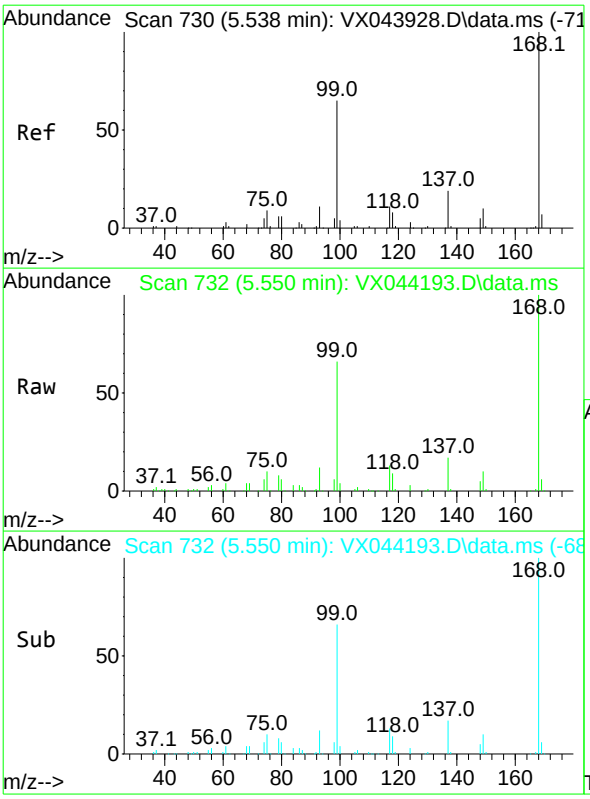
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044193.D
Acq On : 09 Dec 2024 17:14
Operator : JC/MD
Sample : P5164-04 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE105D2-20241206

Quant Time: Dec 10 01:46:17 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



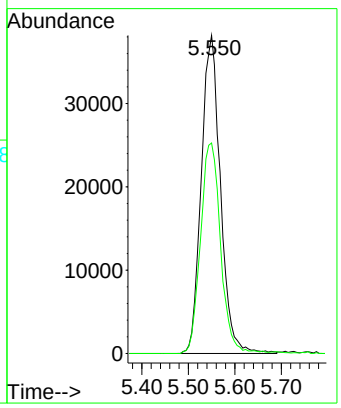


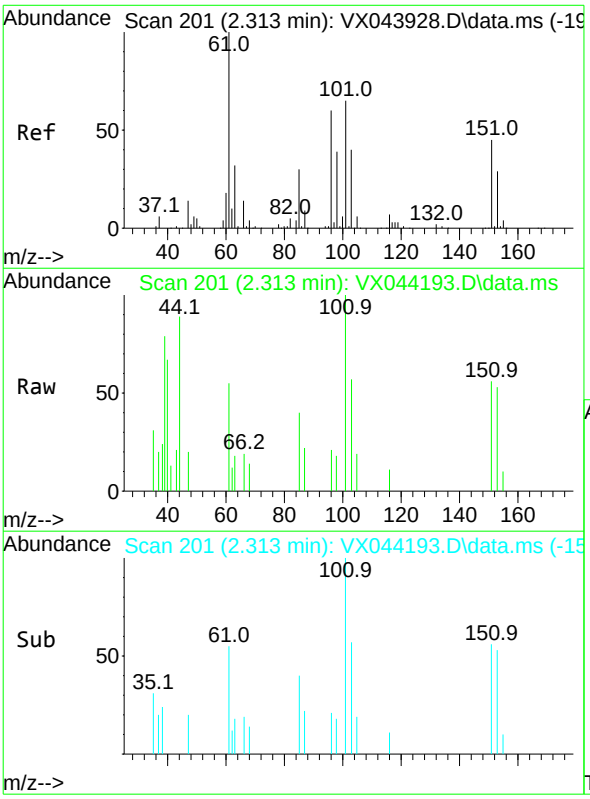
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. 0.012 min
Lab File: VX044193.D
Acq: 09 Dec 2024 17:14

Instrument :
MSVOA_X
ClientSampleId :
RE105D2-20241206

Tgt Ion:168 Resp: 109323

Ion	Ratio	Lower	Upper
168	100		
99	66.2	51.8	77.8

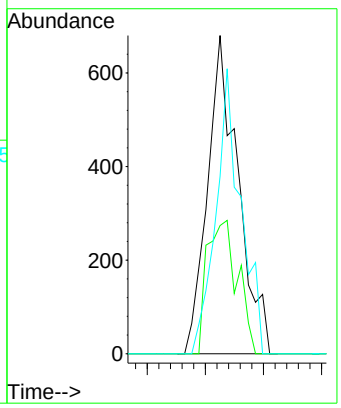


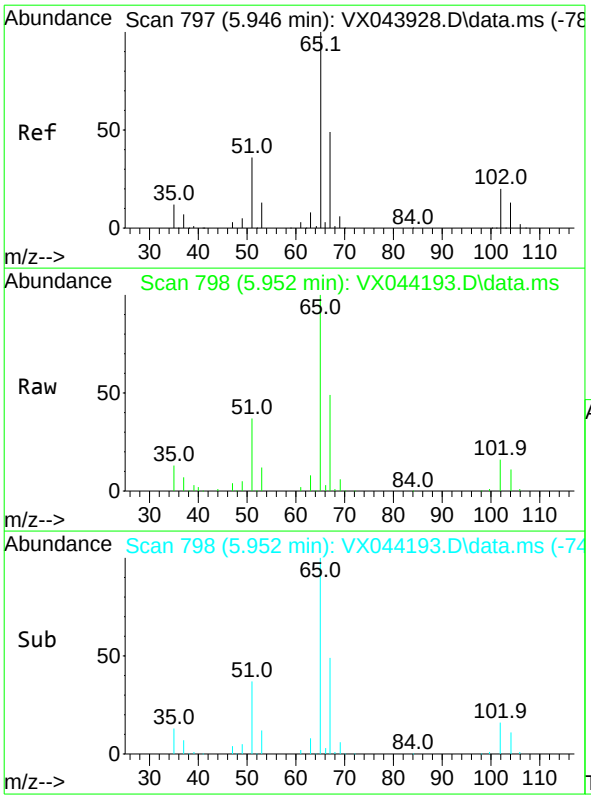


#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.941 ug/l
RT: 2.313 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX044193.D
Acq: 09 Dec 2024 17:14

Tgt Ion:101 Resp: 1244

Ion	Ratio	Lower	Upper
101	100		
85	41.6	37.9	56.9
151	72.9	57.5	86.3



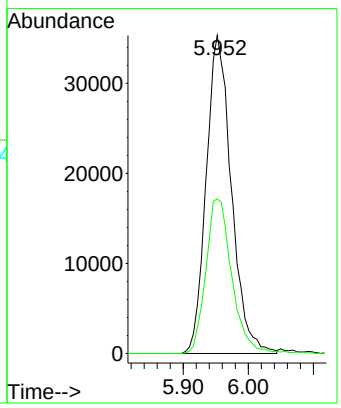


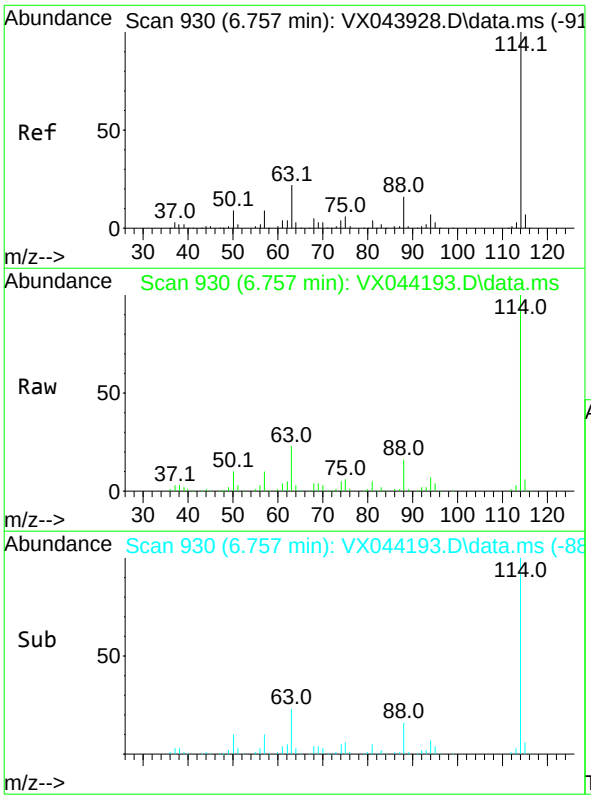
#33
1,2-Dichloroethane-d4
Concen: 50.510 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.006 min
Lab File: VX044193.D
Acq: 09 Dec 2024 17:14

Instrument :
MSVOA_X
ClientSampleId :
RE105D2-20241206

Tgt Ion: 65 Resp: 94710

Ion	Ratio	Lower	Upper
65	100		
67	50.0	0.0	100.8

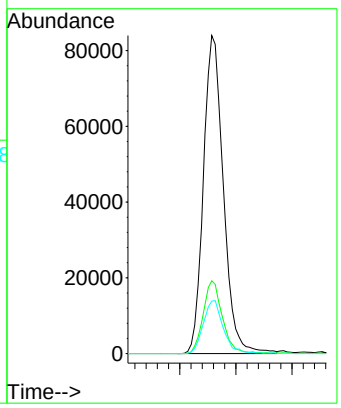


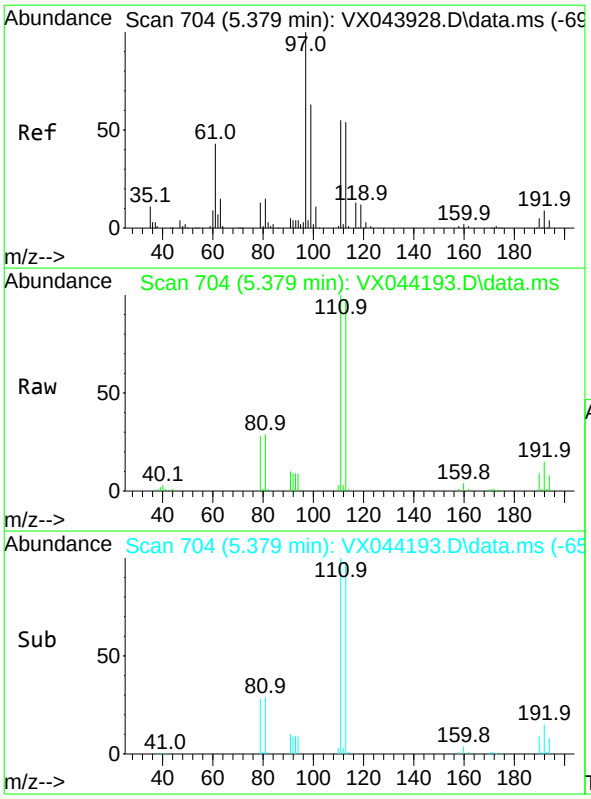


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044193.D
Acq: 09 Dec 2024 17:14

Tgt Ion:114 Resp: 207584

Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	44.0
88	16.5	0.0	32.4



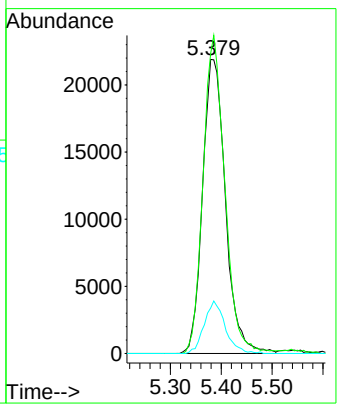


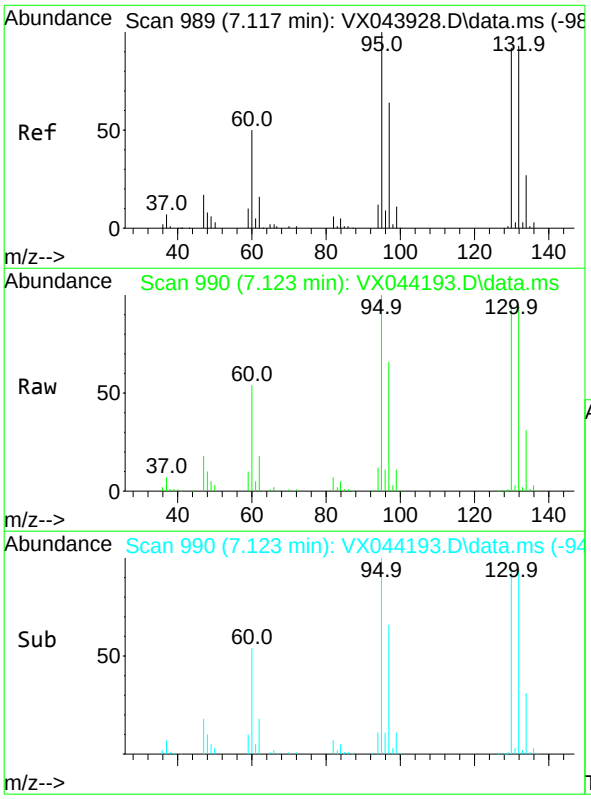
#35
Dibromofluoromethane
Concen: 46.108 ug/l
RT: 5.379 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX044193.D
Acq: 09 Dec 2024 17:14

Instrument :
MSVOA_X
ClientSampleId :
RE105D2-20241206

Tgt Ion:113 Resp: 68391

Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.0	121.4
192	16.5	13.0	19.6

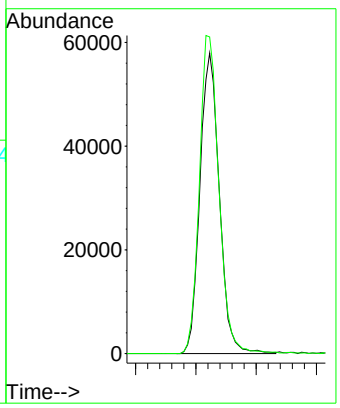


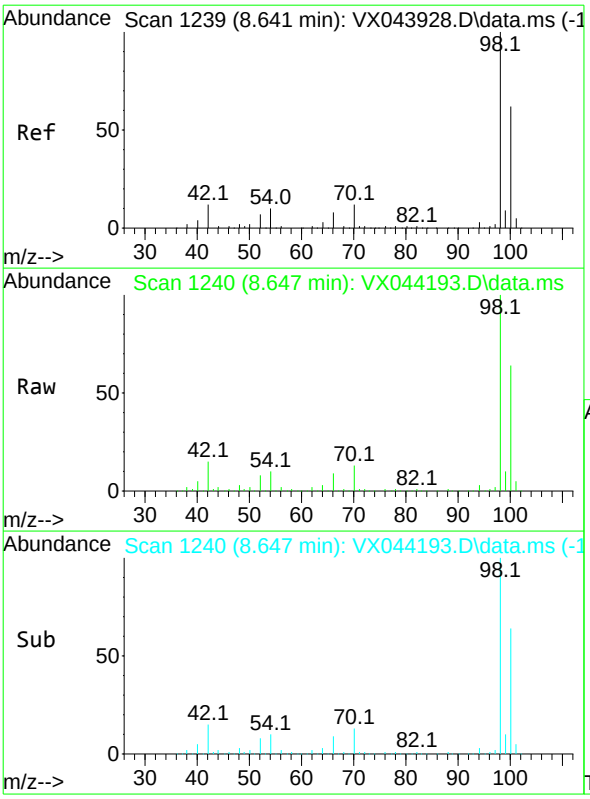


#44
Trichloroethene
Concen: 79.535 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX044193.D
Acq: 09 Dec 2024 17:14

Tgt Ion:130 Resp: 129632

Ion	Ratio	Lower	Upper
130	100		
95	105.4	0.0	217.8



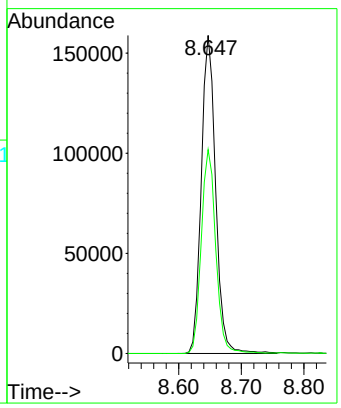


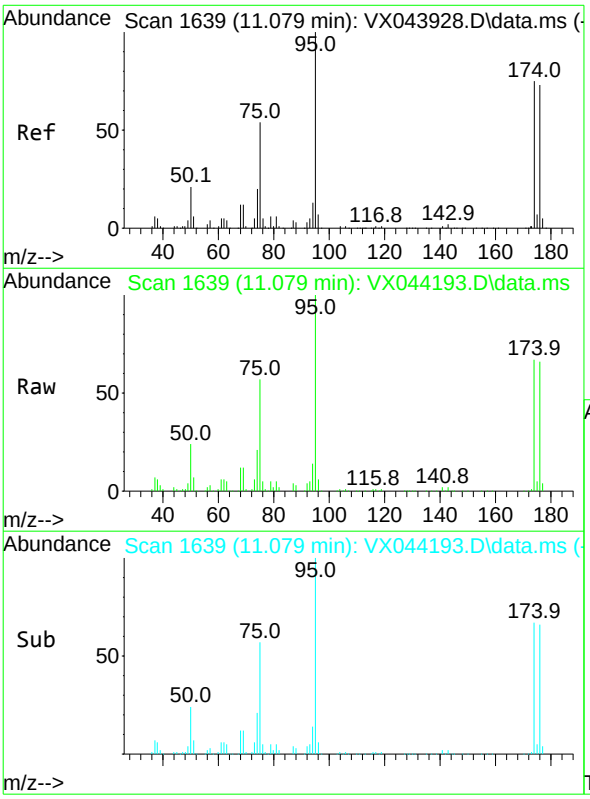
#50
Toluene-d8
Concen: 49.455 ug/l
RT: 8.647 min Scan# 12
Delta R.T. 0.006 min
Lab File: VX044193.D
Acq: 09 Dec 2024 17:14

Instrument :
MSVOA_X
ClientSampleId :
RE105D2-20241206

Tgt Ion: 98 Resp: 252866

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.6	79.0

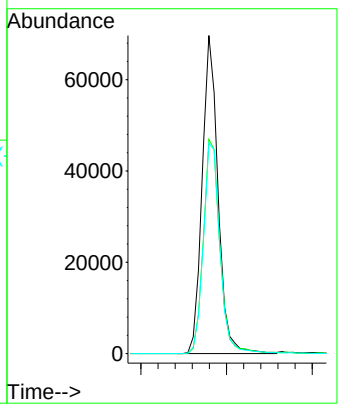


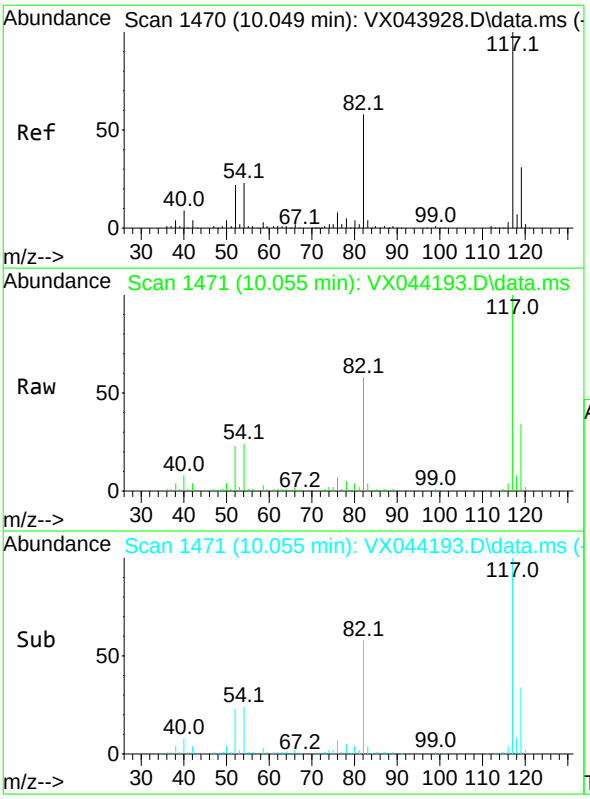


#62
4-Bromofluorobenzene
Concen: 51.479 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044193.D
Acq: 09 Dec 2024 17:14

Tgt Ion: 95 Resp: 89579

Ion	Ratio	Lower	Upper
95	100		
174	70.5	0.0	150.4
176	69.1	0.0	146.0



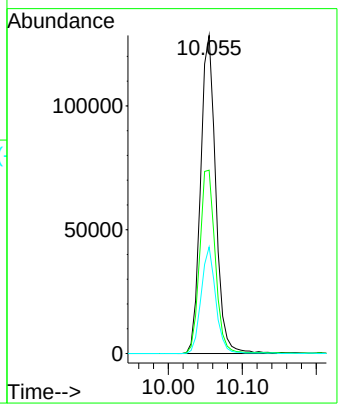


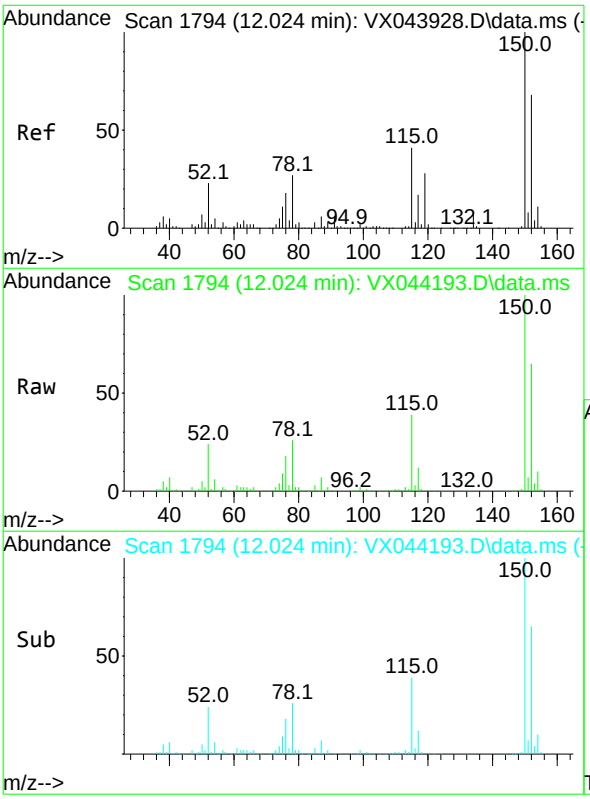
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044193.D
Acq: 09 Dec 2024 17:14

Instrument :
MSVOA_X
ClientSampleId :
RE105D2-20241206

Tgt Ion:117 Resp: 182923

Ion	Ratio	Lower	Upper
117	100		
82	57.6	46.4	69.6
119	33.5	24.6	37.0

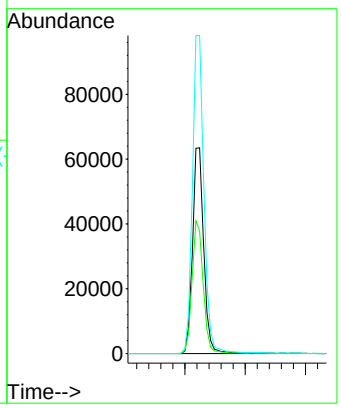




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX044193.D
Acq: 09 Dec 2024 17:14

Tgt Ion:152 Resp: 82399

Ion	Ratio	Lower	Upper
152	100		
115	63.6	45.4	136.2
150	157.0	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:	AECOM Technical Services, Inc.	Date Collected:	12/06/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/06/24
Client Sample ID:	TB	SDG No.:	P5164
Lab Sample ID:	P5164-05	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044200.D	1		12/10/24 11:59	VX121024

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	1.20		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	1.40	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	0.58	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

Raw Data: **VX044200.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/06/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/06/24
Client Sample ID:	TB	SDG No.:	P5164
Lab Sample ID:	P5164-05	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044200.D	1		12/10/24 11:59	VX121024

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	49.5		81 - 118		99%	SPK: 50
1868-53-7	Dibromofluoromethane	45.5		80 - 119		91%	SPK: 50
2037-26-5	Toluene-d8	49.0		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.2		85 - 114		96%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	112000	5.55				
540-36-3	1,4-Difluorobenzene	212000	6.757				
3114-55-4	Chlorobenzene-d5	185000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	76800	12.024				

Raw Data: **VX044200.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/06/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/06/24
Client Sample ID:	TB	SDG No.:	P5164
Lab Sample ID:	P5164-05	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044200.D	1		12/10/24 11:59	VX121024

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\VX121024\
Data File : VX044200.D
Acq On : 10 Dec 2024 11:59
Operator : JC/MD
Sample : P5164-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB

Quant Time: Dec 11 01:28:12 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

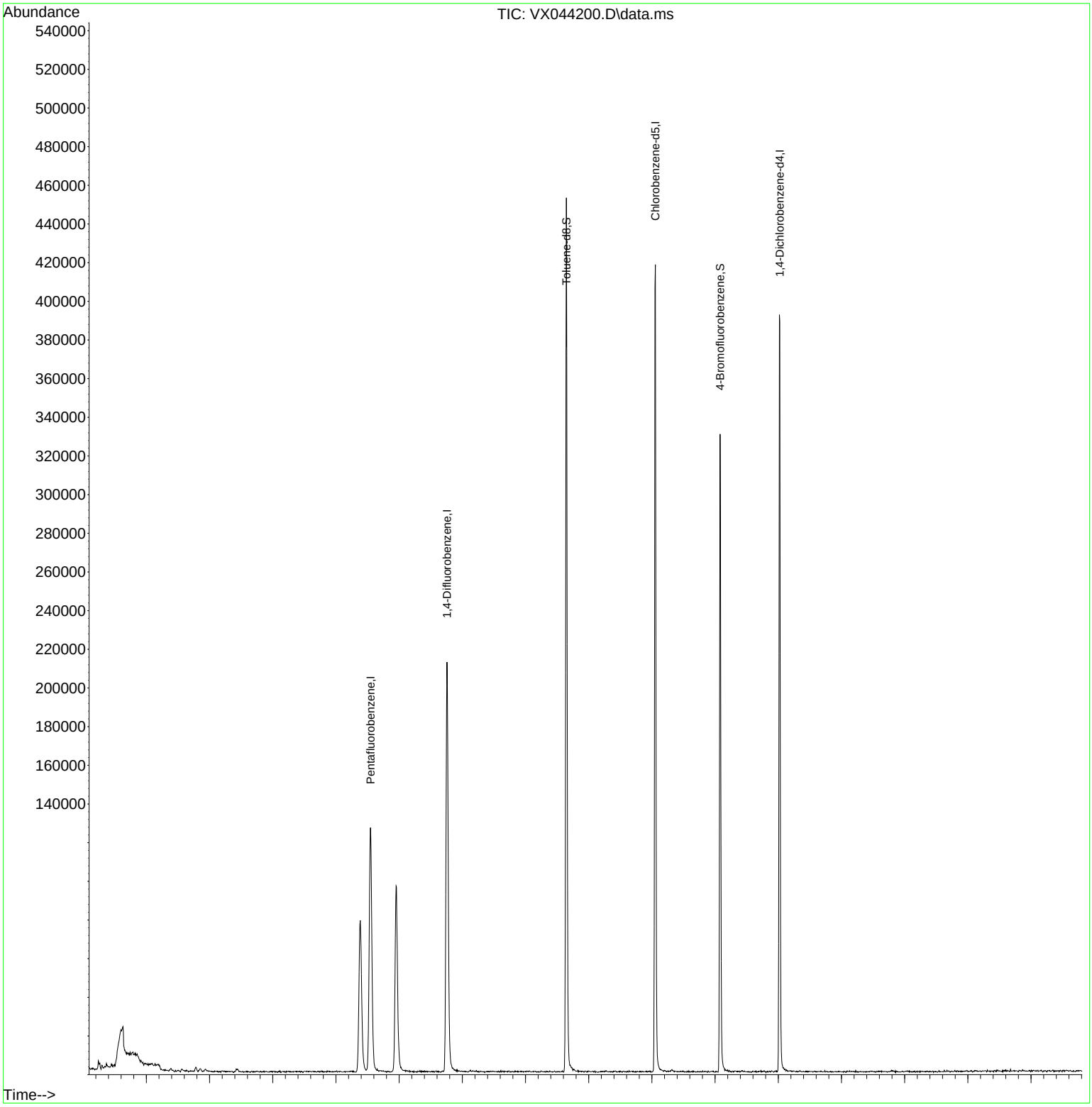
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	112437	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.757	114	211530	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	185283	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	76755	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	95552	49.548	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.100%		
35) Dibromofluoromethane	5.379	113	68775	45.501	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.000%		
50) Toluene-d8	8.647	98	255312	49.002	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.000%		
62) 4-Bromofluorobenzene	11.079	95	85535	48.238	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	96.480%		
Target Compounds						Qvalue
3) Chloromethane	1.300	50	1780	1.188	ug/l #	78
16) Acetone	2.386	43	1228	1.386	ug/l	94
20) Methylene Chloride	2.782	84	872	0.580	ug/l #	47

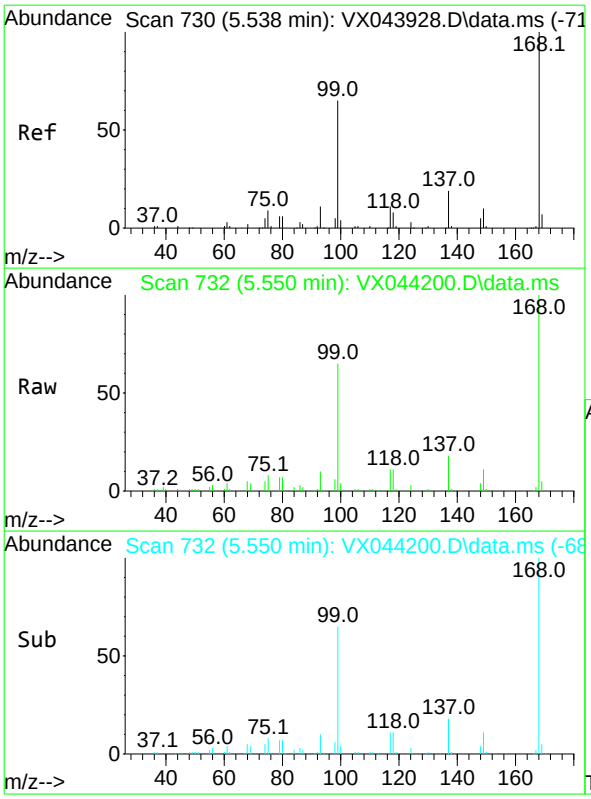
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044200.D
Acq On : 10 Dec 2024 11:59
Operator : JC/MD
Sample : P5164-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB

Quant Time: Dec 11 01:28:12 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



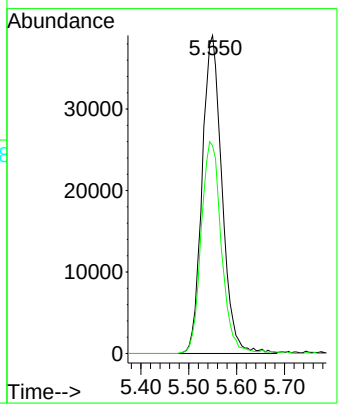


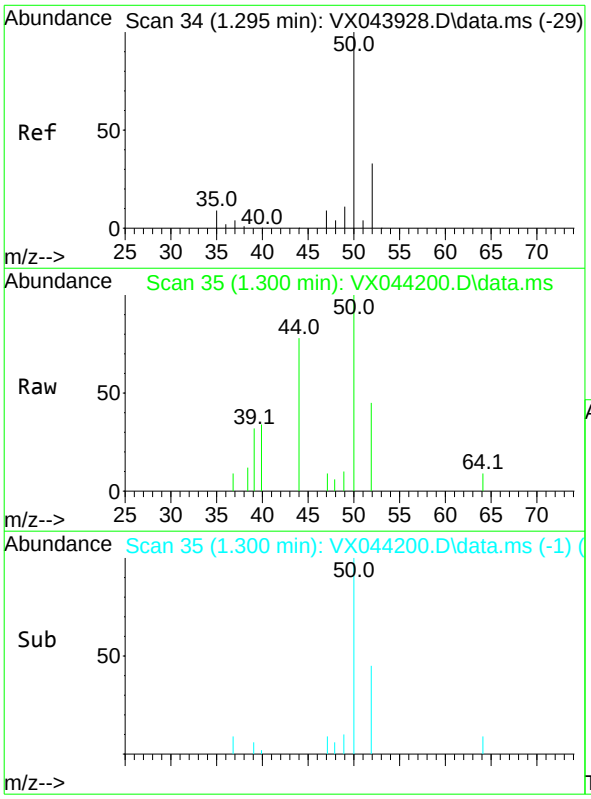
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. 0.012 min
Lab File: VX044200.D
Acq: 10 Dec 2024 11:59

Instrument :
MSVOA_X
ClientSampleId :
TB

Tgt Ion:168 Resp: 112437

Ion	Ratio	Lower	Upper
168	100		
99	65.3	51.8	77.8

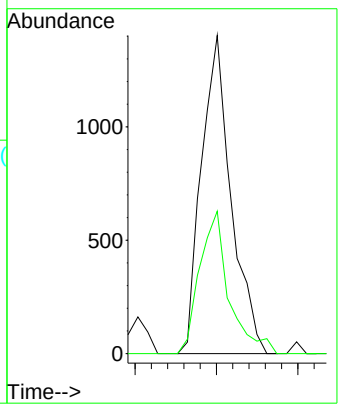


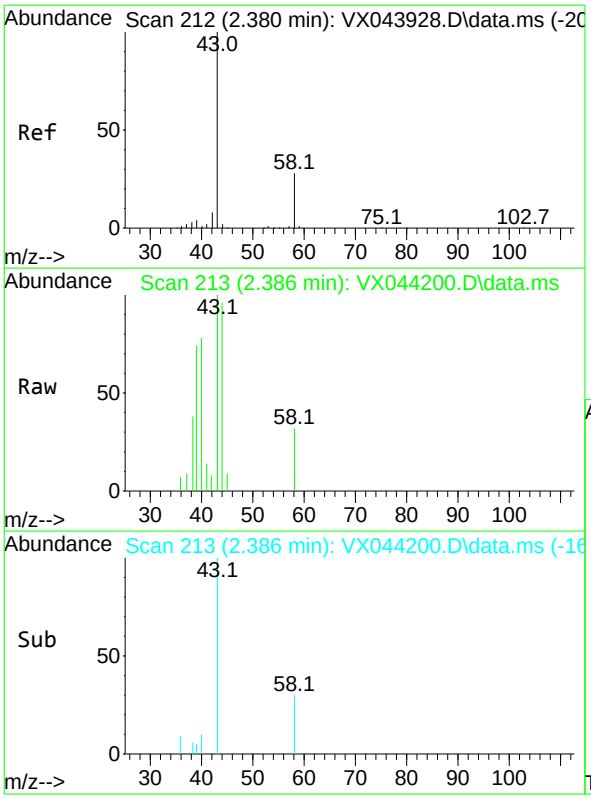


#3
Chloromethane
Concen: 1.188 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX044200.D
Acq: 10 Dec 2024 11:59

Tgt Ion: 50 Resp: 1780

Ion	Ratio	Lower	Upper
50	100		
52	44.8	26.1	39.1#



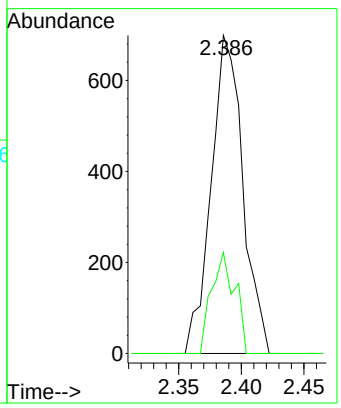


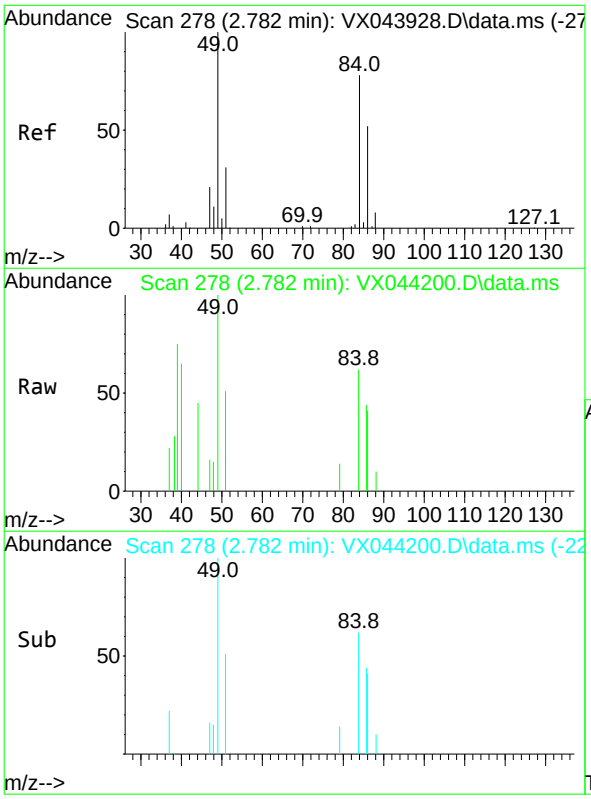
#16
Acetone
Concen: 1.386 ug/l
RT: 2.386 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX044200.D
Acq: 10 Dec 2024 11:59

Instrument :
MSVOA_X
ClientSampleId :
TB

Tgt Ion: 43 Resp: 1228

Ion	Ratio	Lower	Upper
43	100		
58	31.8	22.7	34.1

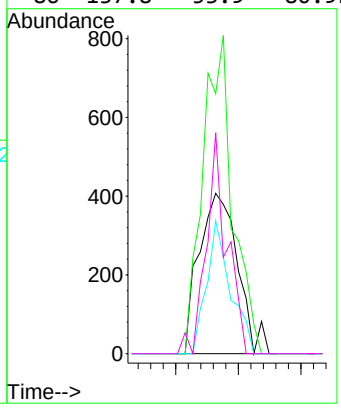




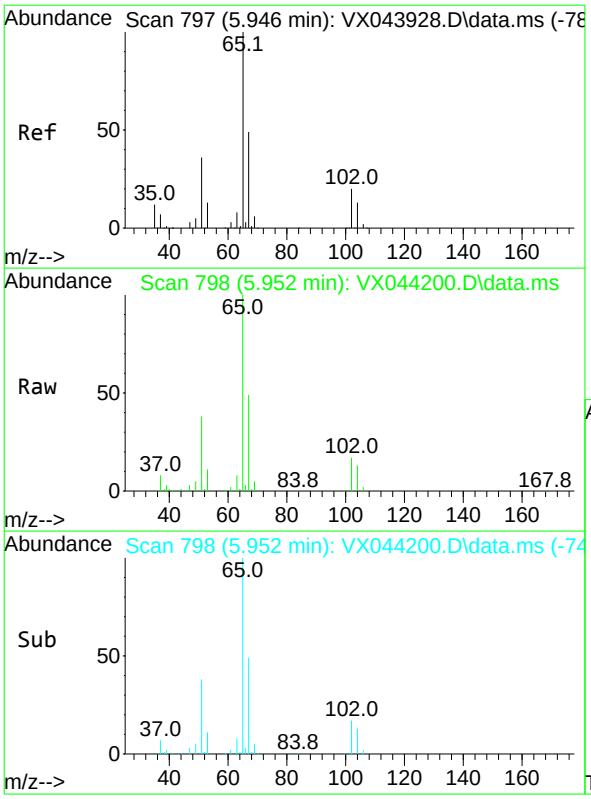
#20
Methylene Chloride
Concen: 0.580 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044200.D
Acq: 10 Dec 2024 11:59

Tgt Ion: 84 Resp: 872

Ion	Ratio	Lower	Upper
84	100		
49	162.2	102.7	154.1#
51	82.8	31.7	47.5#
86	137.8	53.9	80.9#



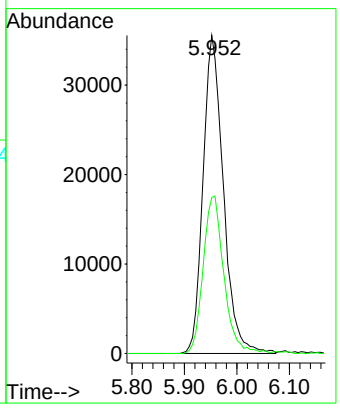
Instrument :
MSVOA_X
ClientSampleId :
TB

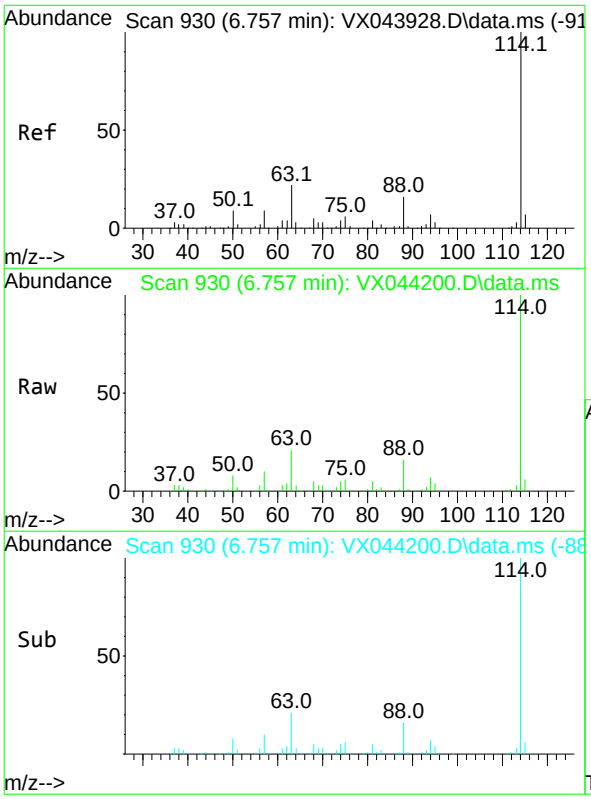


#33
1,2-Dichloroethane-d4
Concen: 49.548 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.006 min
Lab File: VX044200.D
Acq: 10 Dec 2024 11:59

Tgt Ion: 65 Resp: 95552

Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	100.8

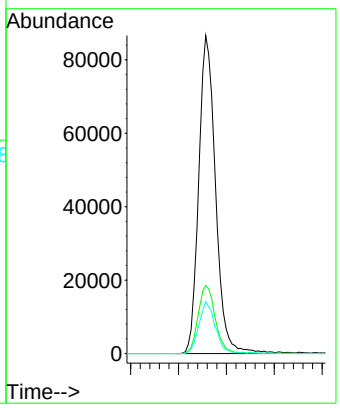


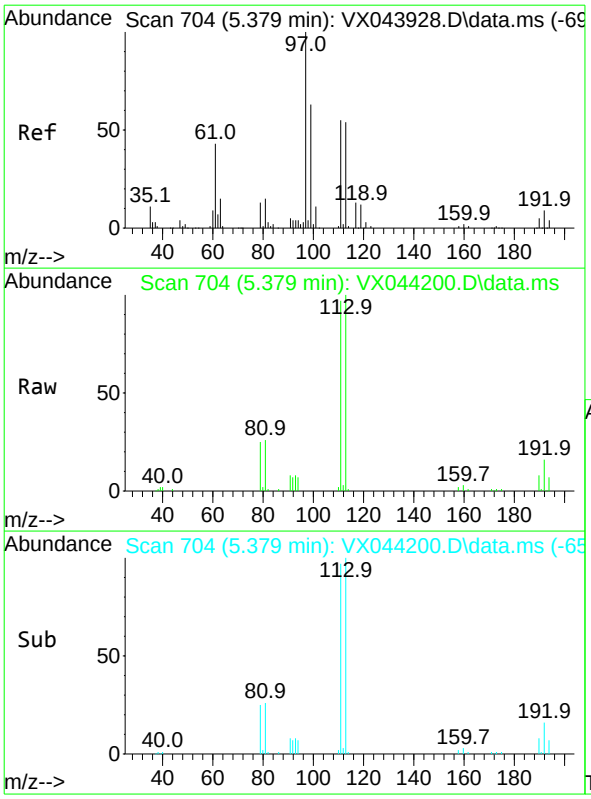


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044200.D
Acq: 10 Dec 2024 11:59

Tgt Ion:114 Resp: 211530

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	44.0
88	16.3	0.0	32.4



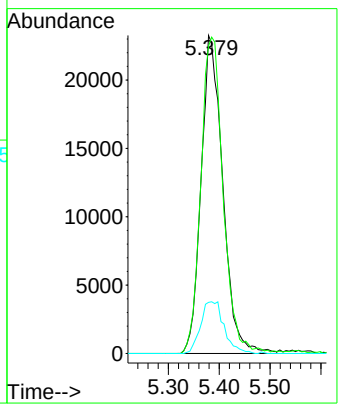


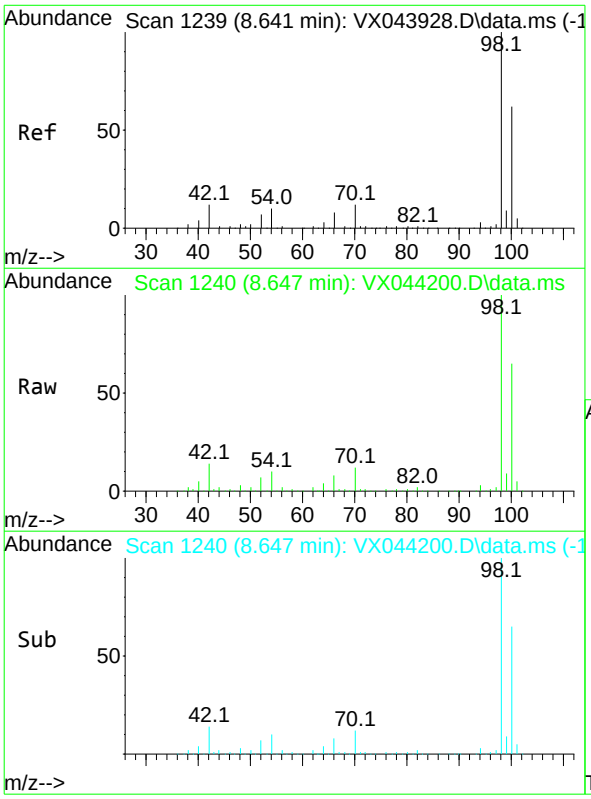
#35
Dibromofluoromethane
Concen: 45.501 ug/l
RT: 5.379 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX044200.D
Acq: 10 Dec 2024 11:59

Instrument :
MSVOA_X
ClientSampleId :
TB

Tgt Ion:113 Resp: 68775

Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.0	121.4
192	17.6	13.0	19.6

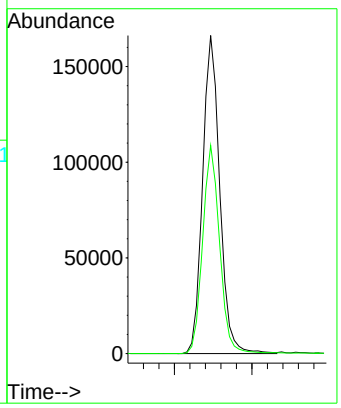


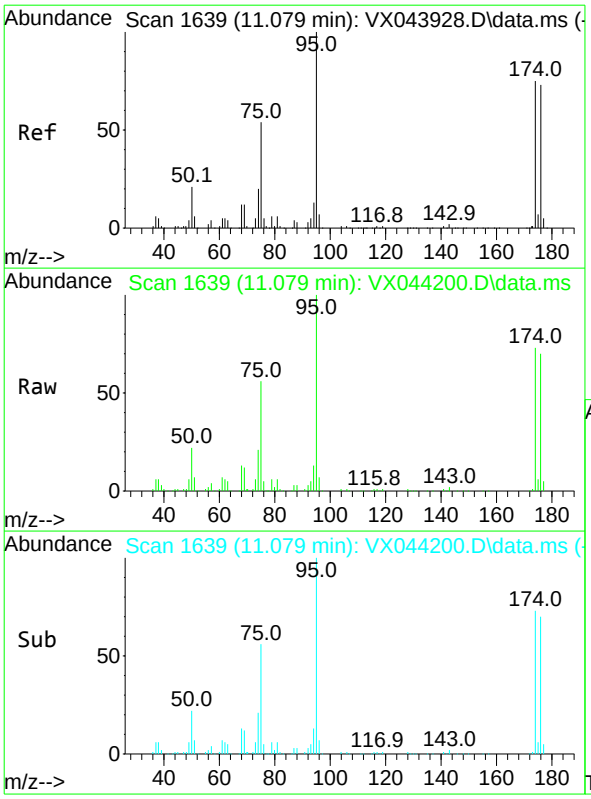


#50
Toluene-d8
Concen: 49.002 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX044200.D
Acq: 10 Dec 2024 11:59

Tgt Ion: 98 Resp: 255312

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.6	79.0



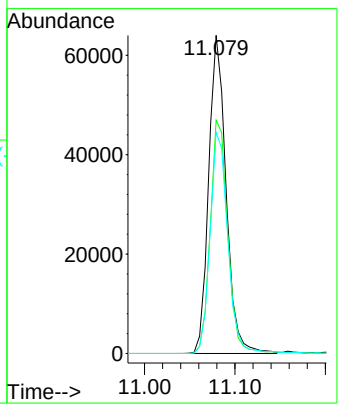


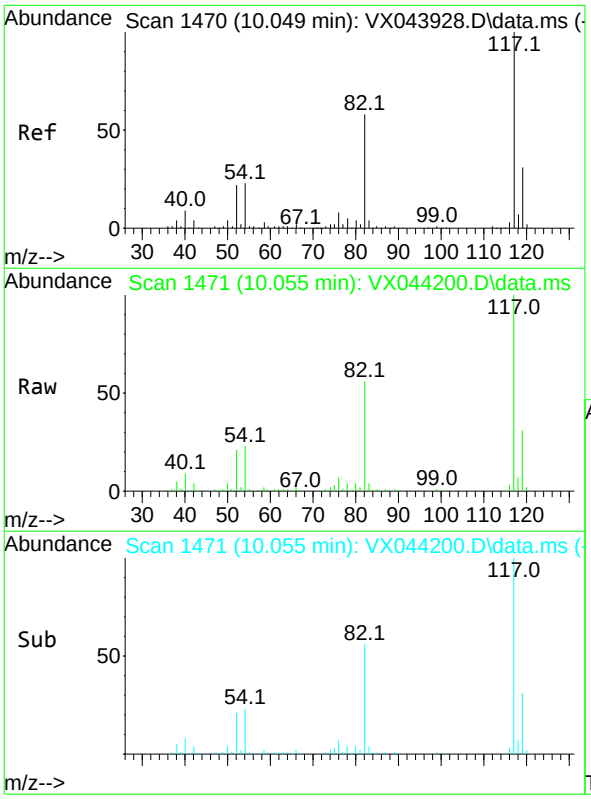
#62
4-Bromofluorobenzene
Concen: 48.238 ug/l
RT: 11.079 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044200.D
Acq: 10 Dec 2024 11:59

Instrument :
MSVOA_X
ClientSampleId :
TB

Tgt Ion: 95 Resp: 85535

Ion	Ratio	Lower	Upper
95	100		
174	74.3	0.0	150.4
176	71.1	0.0	146.0

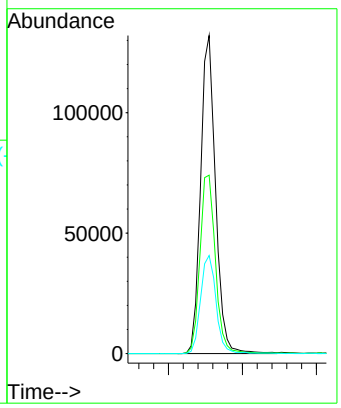


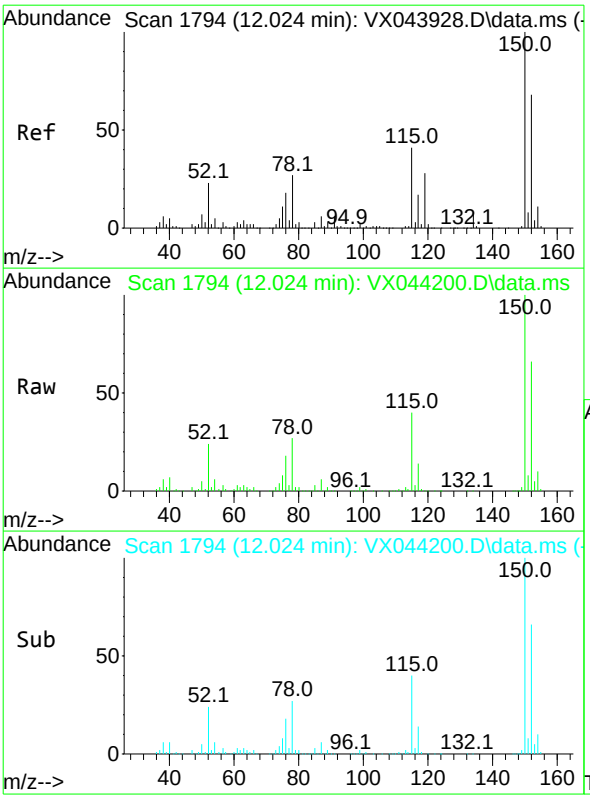


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX044200.D
Acq: 10 Dec 2024 11:59

Tgt Ion:117 Resp: 185283

Ion	Ratio	Lower	Upper
117	100		
82	56.1	46.4	69.6
119	30.8	24.6	37.0



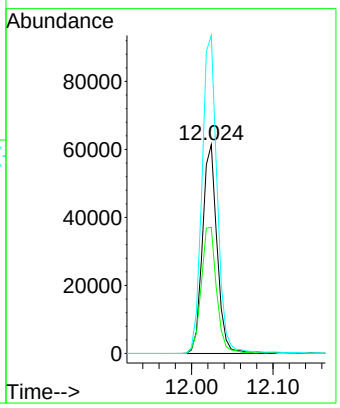


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044200.D
Acq: 10 Dec 2024 11:59

Instrument :
MSVOA_X
ClientSampleId :
TB

Tgt Ion:152 Resp: 76755

Ion	Ratio	Lower	Upper
152	100		
115	63.4	45.4	136.2
150	158.9	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:	AECOM Technical Services, Inc.	Date Collected:	12/06/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/06/24
Client Sample ID:	FB-20241206	SDG No.:	P5164
Lab Sample ID:	P5164-06	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044186.D	1		12/09/24 14:30	VX120924

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	3.10	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	0.45	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

Raw Data: **VX044186.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/06/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/06/24
Client Sample ID:	FB-20241206	SDG No.:	P5164
Lab Sample ID:	P5164-06	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044186.D	1		12/09/24 14:30	VX120924

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	53.2		81 - 118		106%	SPK: 50
1868-53-7	Dibromofluoromethane	44.7		80 - 119		89%	SPK: 50
2037-26-5	Toluene-d8	49.8		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.6		85 - 114		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	106000	5.55				
540-36-3	1,4-Difluorobenzene	205000	6.757				
3114-55-4	Chlorobenzene-d5	181000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	74300	12.024				

Raw Data: **VX044186.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/06/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/06/24
Client Sample ID:	FB-20241206	SDG No.:	P5164
Lab Sample ID:	P5164-06	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044186.D	1		12/09/24 14:30	VX120924

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: **VX044186.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044186.D
Acq On : 09 Dec 2024 14:30
Operator : JC/MD
Sample : P5164-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FB-20241206

Quant Time: Dec 10 01:42:40 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

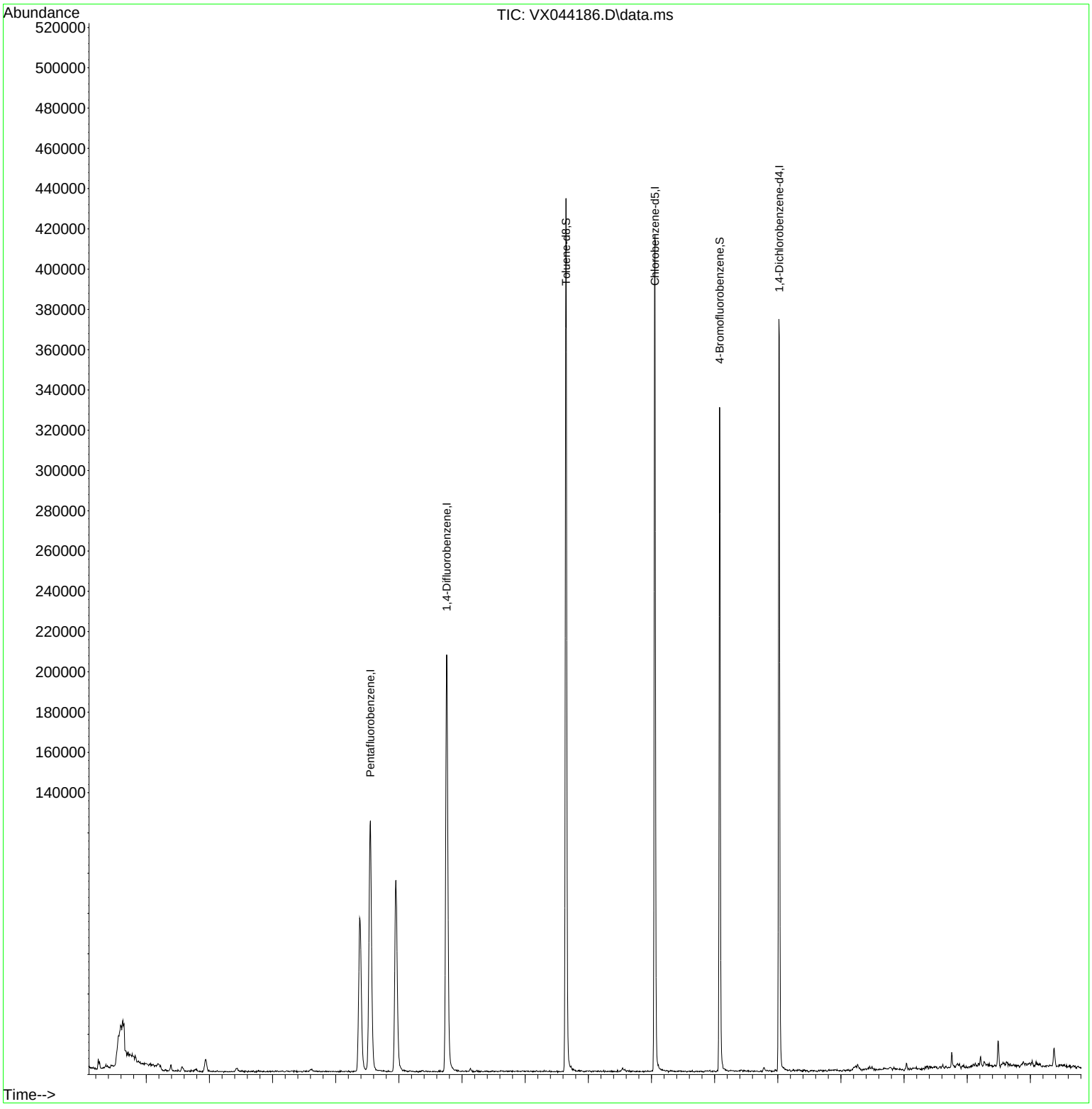
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	105637	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.757	114	204810	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	181265	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	74280	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	96390	53.200	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.400%			
35) Dibromofluoromethane	5.385	113	65368	44.666	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 89.340%			
50) Toluene-d8	8.647	98	251001	49.755	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.520%			
62) 4-Bromofluorobenzene	11.079	95	85098	49.566	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.140%			
Target Compounds						Qvalue
16) Acetone	2.386	43	2612	3.139	ug/l #	89
20) Methylene Chloride	2.776	84	630	0.446	ug/l #	66

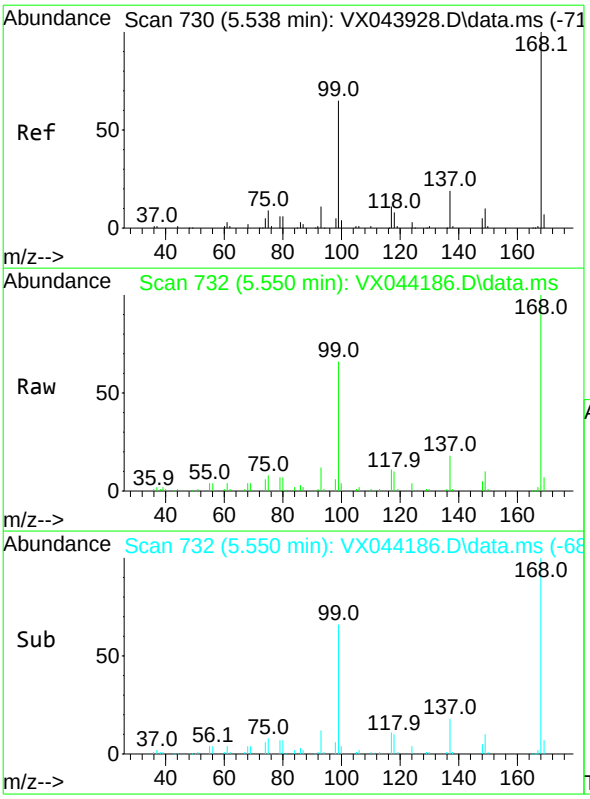
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044186.D
Acq On : 09 Dec 2024 14:30
Operator : JC/MD
Sample : P5164-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FB-20241206

Quant Time: Dec 10 01:42:40 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



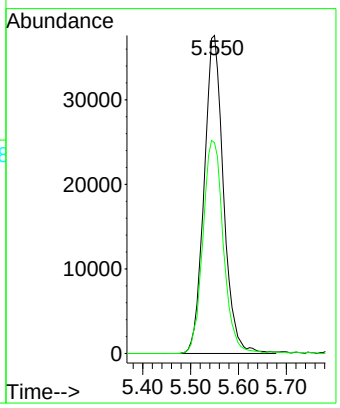


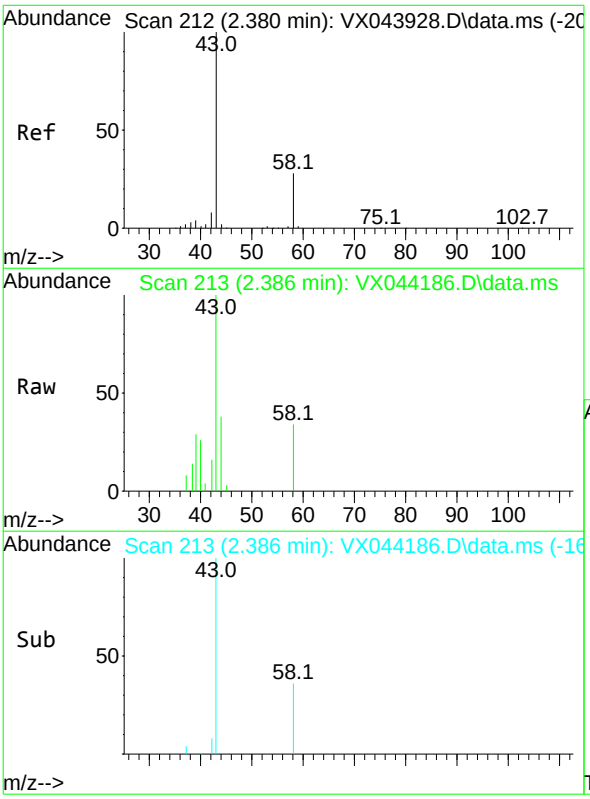
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. 0.012 min
Lab File: VX044186.D
Acq: 09 Dec 2024 14:30

Instrument :
MSVOA_X
ClientSampleId :
FB-20241206

Tgt Ion:168 Resp: 105637

Ion	Ratio	Lower	Upper
168	100		
99	66.3	51.8	77.8

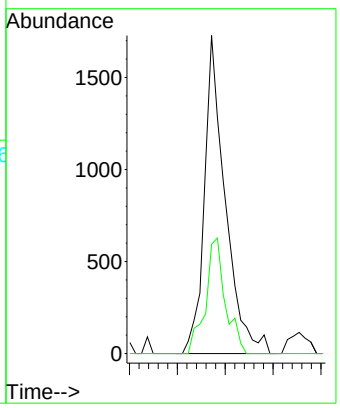


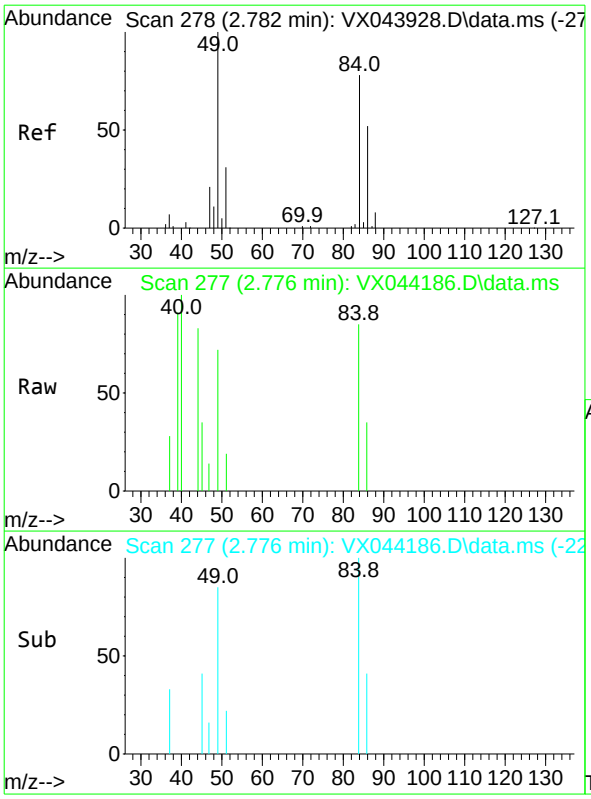


#16
Acetone
Concen: 3.139 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX044186.D
Acq: 09 Dec 2024 14:30

Tgt Ion: 43 Resp: 2612

Ion	Ratio	Lower	Upper
43	100		
58	34.4	22.7	34.1#



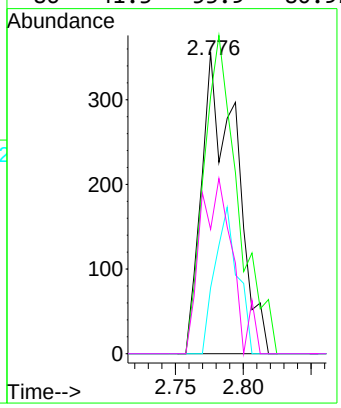


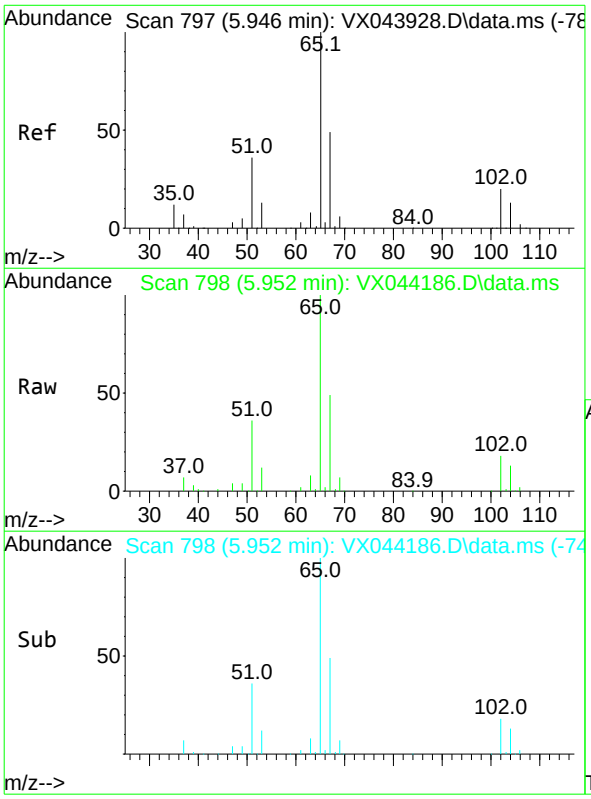
#20
Methylene Chloride
Concen: 0.446 ug/l
RT: 2.776 min Scan# 27
Delta R.T. -0.006 min
Lab File: VX044186.D
Acq: 09 Dec 2024 14:30

Instrument :
MSVOA_X
ClientSampleId :
FB-20241206

Tgt Ion: 84 Resp: 630

Ion	Ratio	Lower	Upper
84	100		
49	85.4	102.7	154.1#
51	21.9	31.7	47.5#
86	41.3	53.9	80.9#

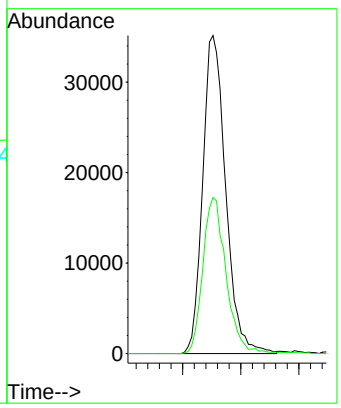


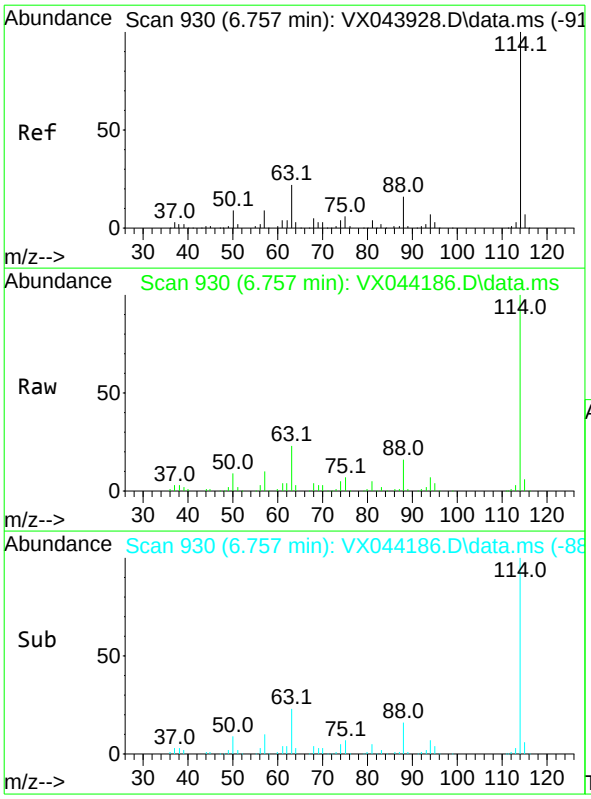


#33
1,2-Dichloroethane-d4
Concen: 53.200 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX044186.D
Acq: 09 Dec 2024 14:30

Tgt Ion: 65 Resp: 96390

Ion	Ratio	Lower	Upper
65	100		
67	49.5	0.0	100.8



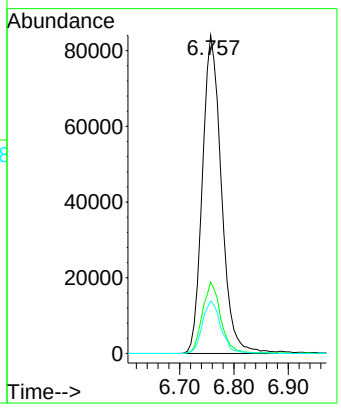


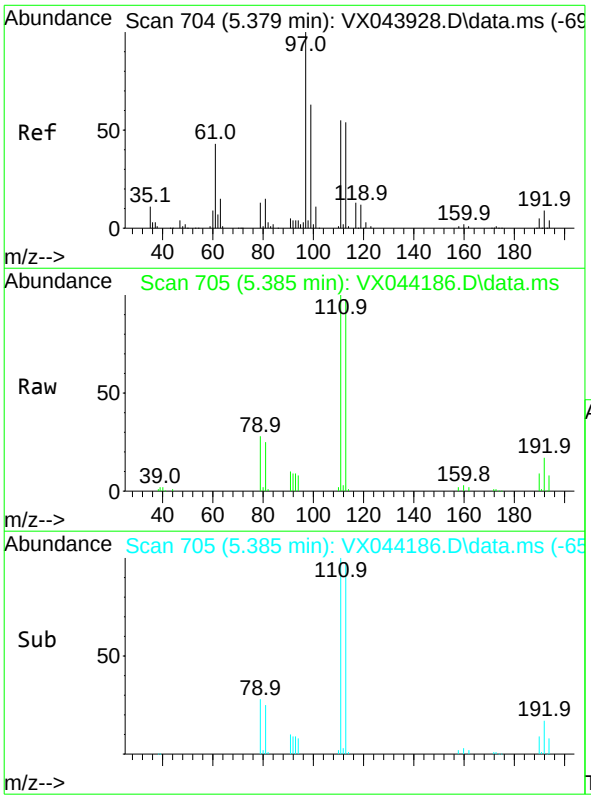
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. -0.000 min
Lab File: VX044186.D
Acq: 09 Dec 2024 14:30

Instrument :
MSVOA_X
ClientSampleId :
FB-20241206

Tgt Ion:114 Resp: 204810

Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	44.0
88	16.5	0.0	32.4

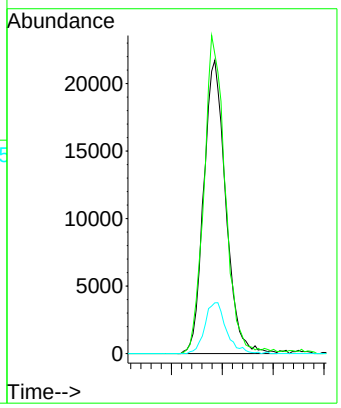


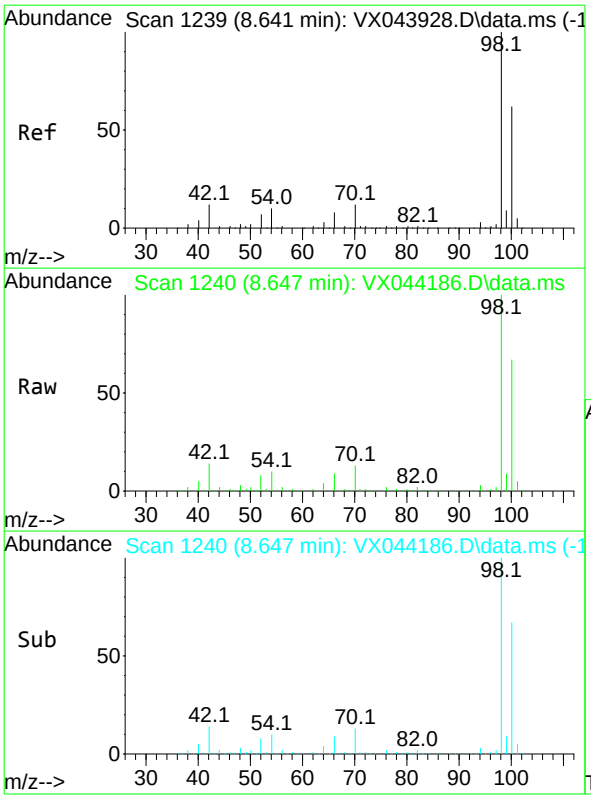


#35
Dibromofluoromethane
Concen: 44.666 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX044186.D
Acq: 09 Dec 2024 14:30

Tgt Ion:113 Resp: 65368

Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.0	121.4
192	16.9	13.0	19.6



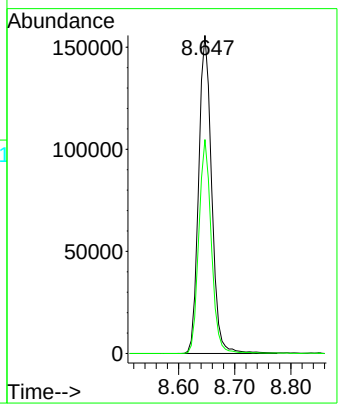


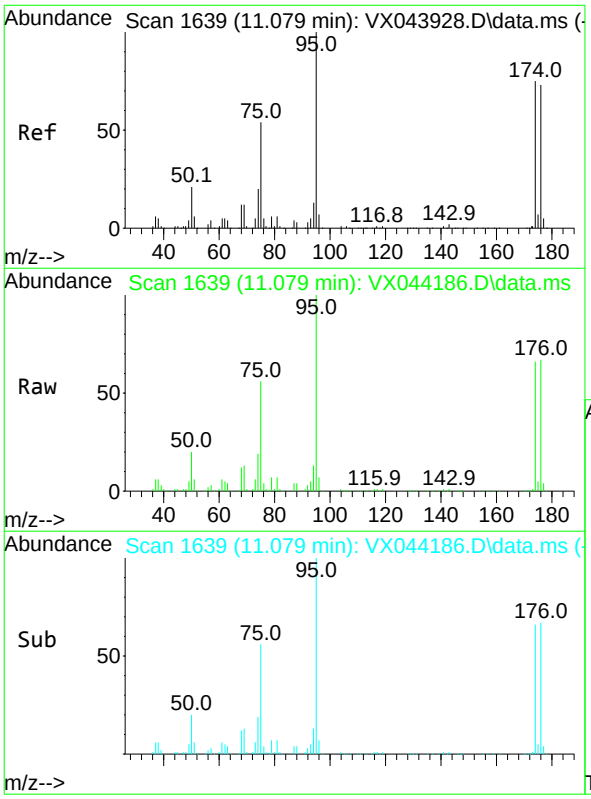
#50
Toluene-d8
Concen: 49.755 ug/l
RT: 8.647 min Scan# 12
Delta R.T. 0.006 min
Lab File: VX044186.D
Acq: 09 Dec 2024 14:30

Instrument :
MSVOA_X
ClientSampleId :
FB-20241206

Tgt Ion: 98 Resp: 251001

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.6	79.0

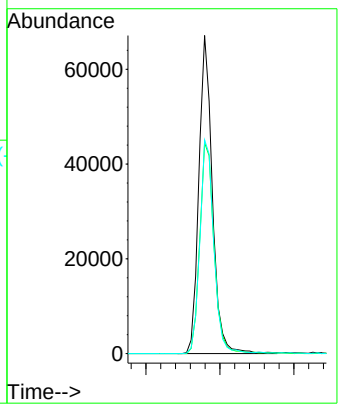


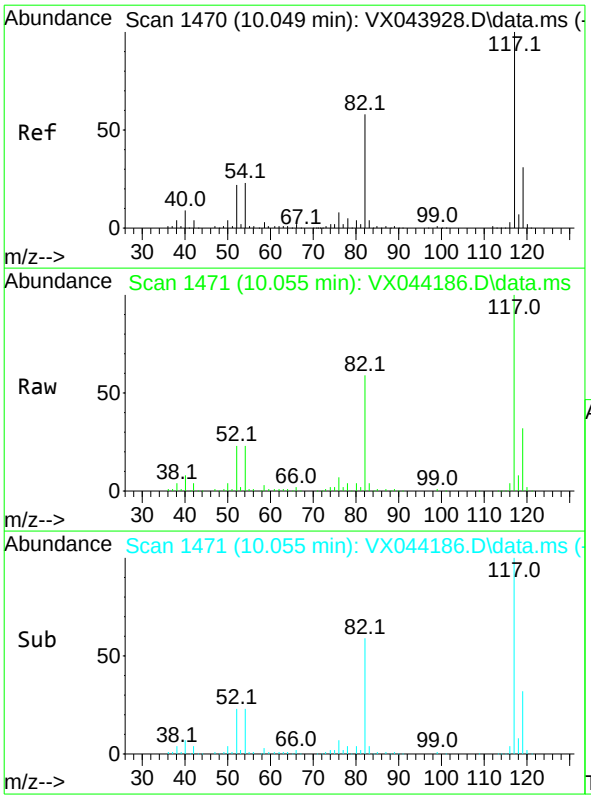


#62
4-Bromofluorobenzene
Concen: 49.566 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044186.D
Acq: 09 Dec 2024 14:30

Tgt Ion: 95 Resp: 85098

Ion	Ratio	Lower	Upper
95	100		
174	70.0	0.0	150.4
176	69.2	0.0	146.0



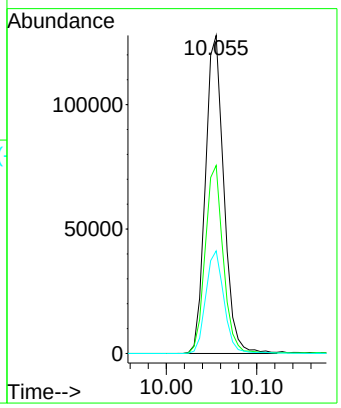


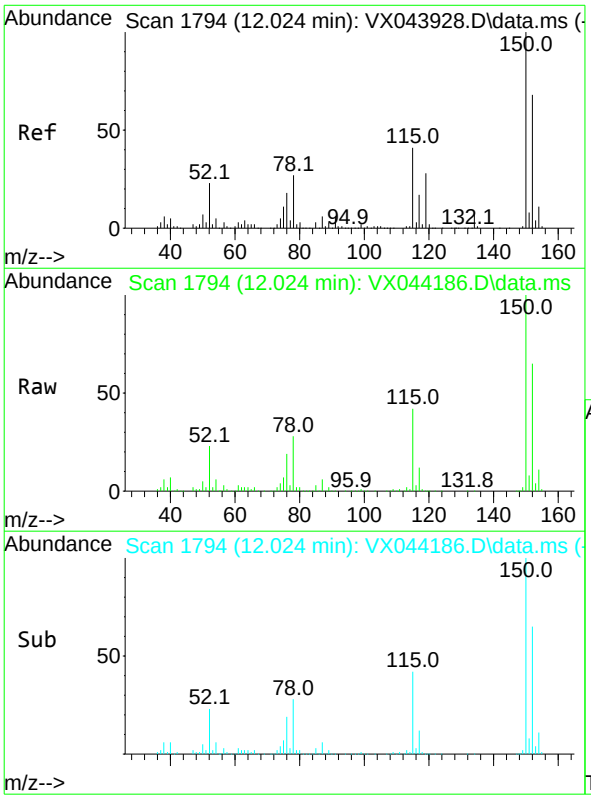
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044186.D
Acq: 09 Dec 2024 14:30

Instrument :
MSVOA_X
ClientSampleId :
FB-20241206

Tgt Ion:117 Resp: 181265

Ion	Ratio	Lower	Upper
117	100		
82	59.1	46.4	69.6
119	32.3	24.6	37.0

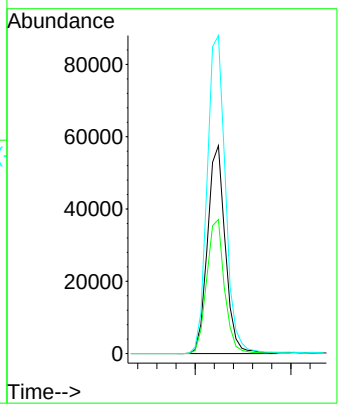




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX044186.D
Acq: 09 Dec 2024 14:30

Tgt Ion:152 Resp: 74280

Ion	Ratio	Lower	Upper
152	100		
115	64.3	45.4	136.2
150	157.9	0.0	353.0



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: AECO15

Lab Code: CHEM Case No.: P5164 SAS No.: P5164 SDG No.: P5164

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: AECO15

Lab Code: CHEM Case No.: P5164 SAS No.: P5164 SDG No.: P5164

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

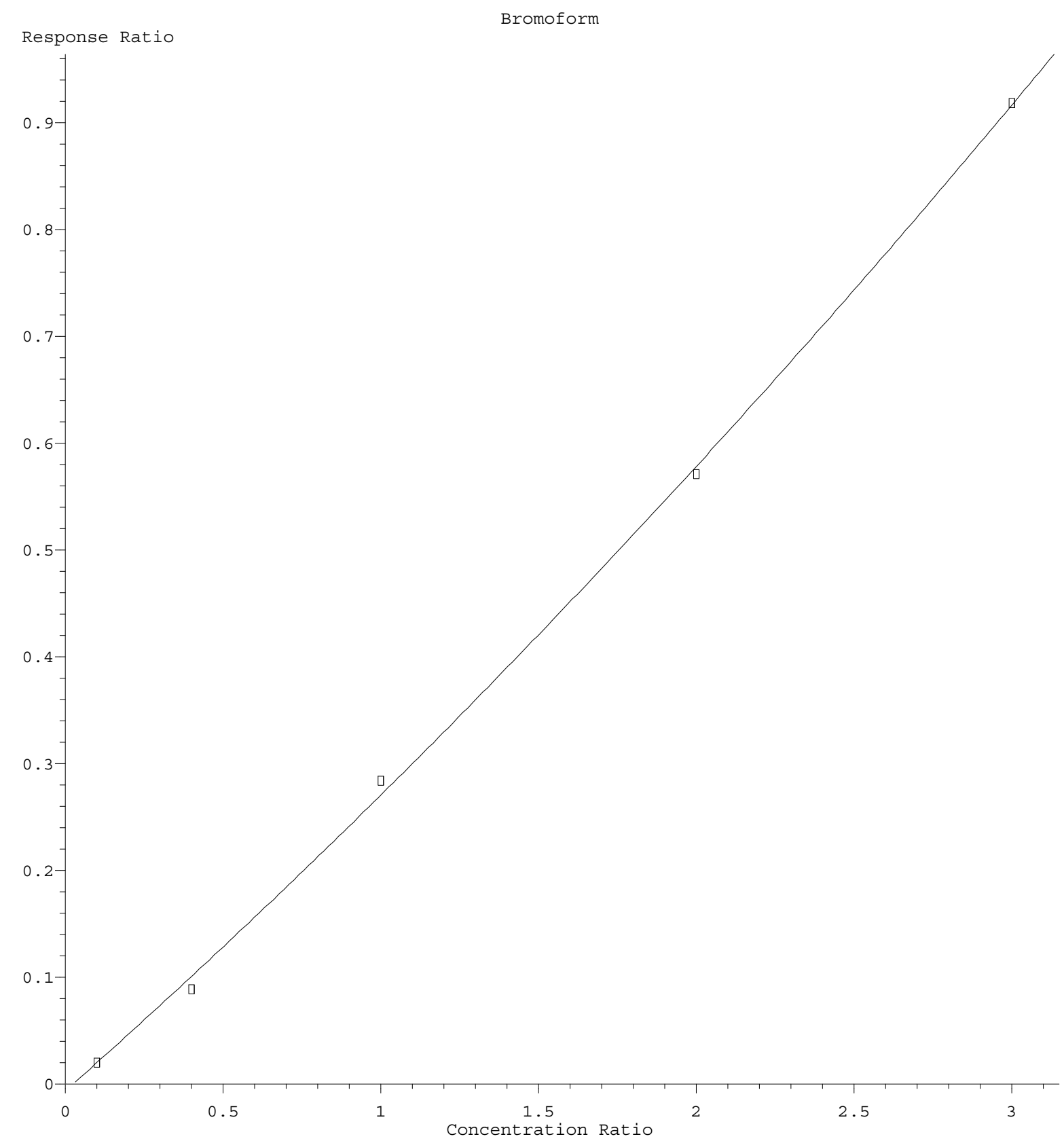
Calibration Files
1 =VX043925.D 5 =VX043926.D 20 =VX043927.D 50 =VX043928.D 100 =VX043929.D 150 =VX043930.D

		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

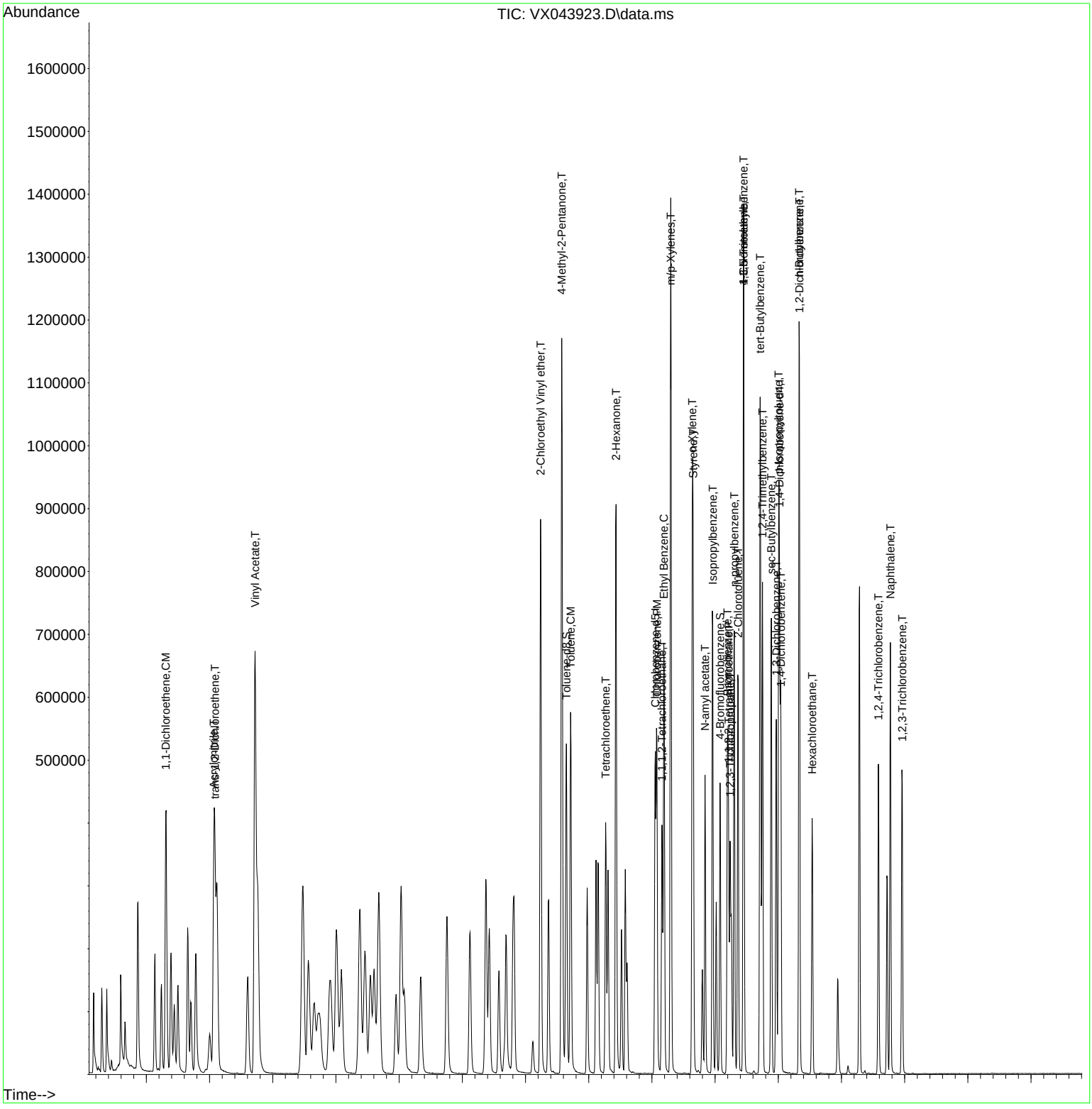
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043923.D
Acq On : 20 Nov 2024 19:16
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

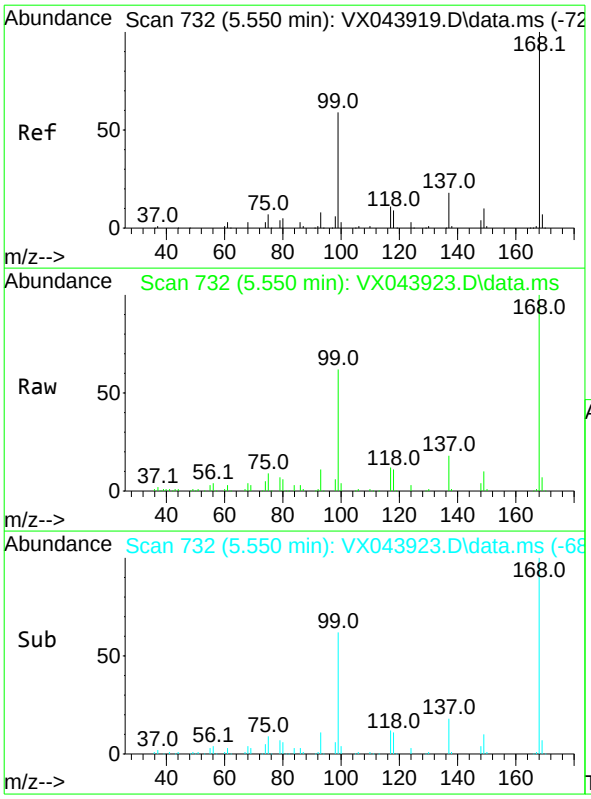
Quant Time: Nov 21 07:05:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 07:00:56 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations APPROVED

Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

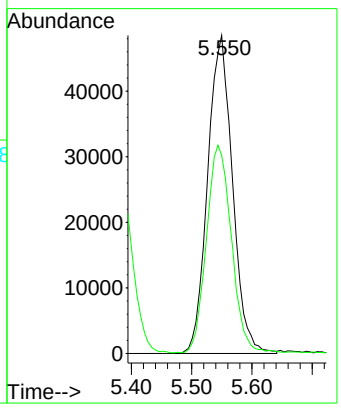




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion:168 Resp: 138810

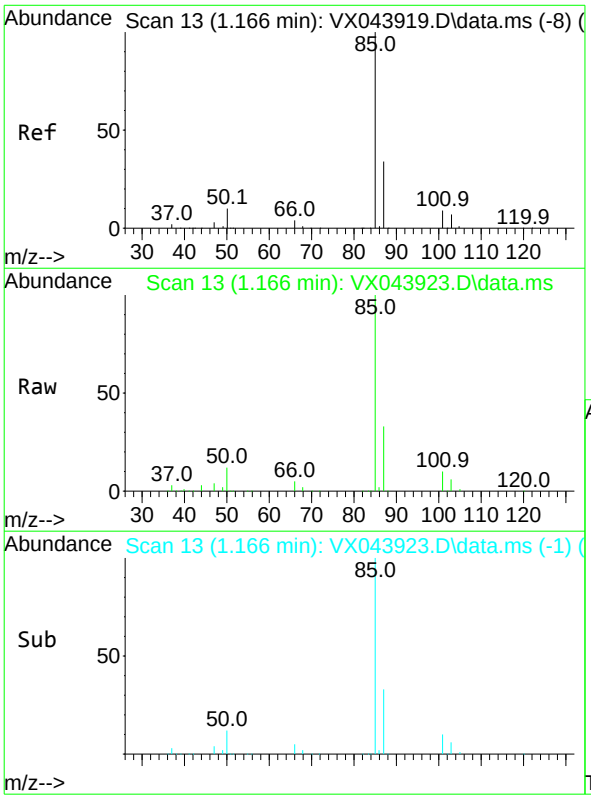
Ion	Ratio	Lower	Upper
168	100		
99	62.0	46.9	70.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

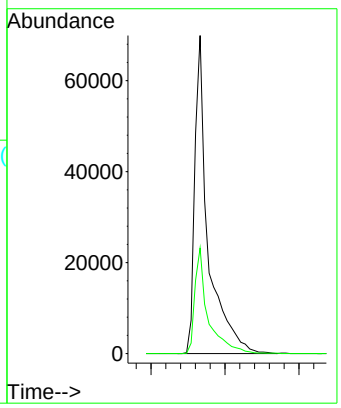
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

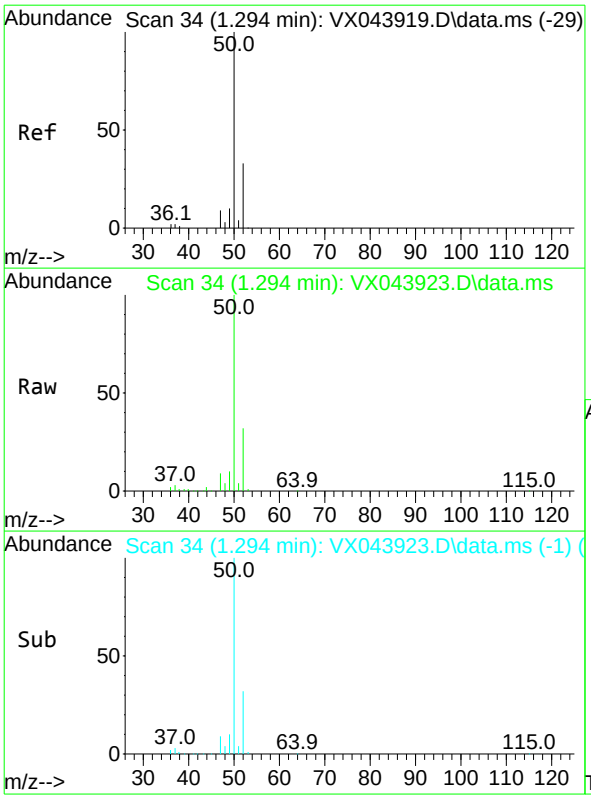


#2
Dichlorodifluoromethane
Concen: 62.046 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 85 Resp: 87148

Ion	Ratio	Lower	Upper
85	100		
87	33.2	17.1	51.2

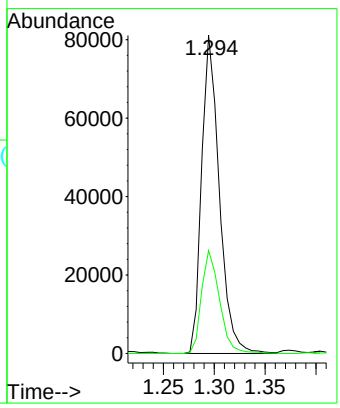




#3
Chloromethane
Concen: 55.867 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 50 Resp: 98071

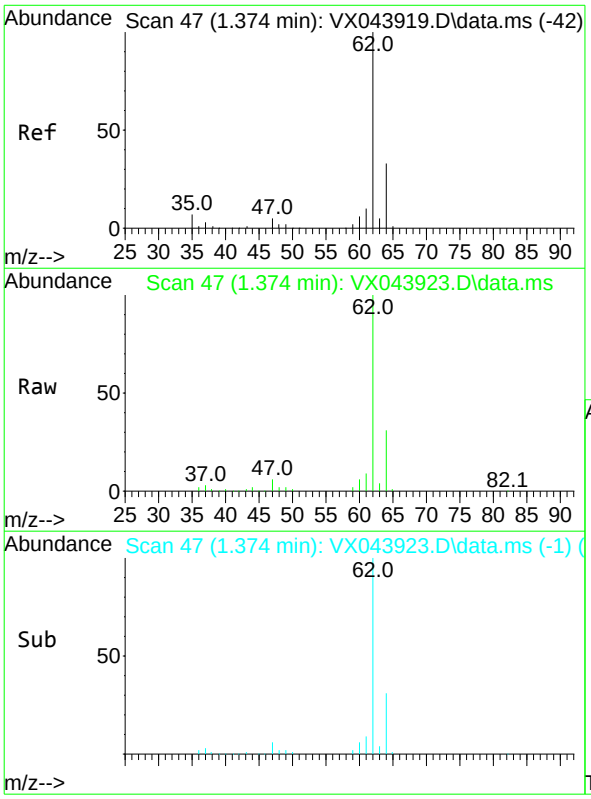
Ion	Ratio	Lower	Upper
50	100		
52	32.4	26.2	39.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

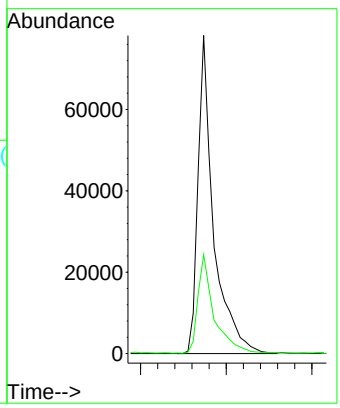
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

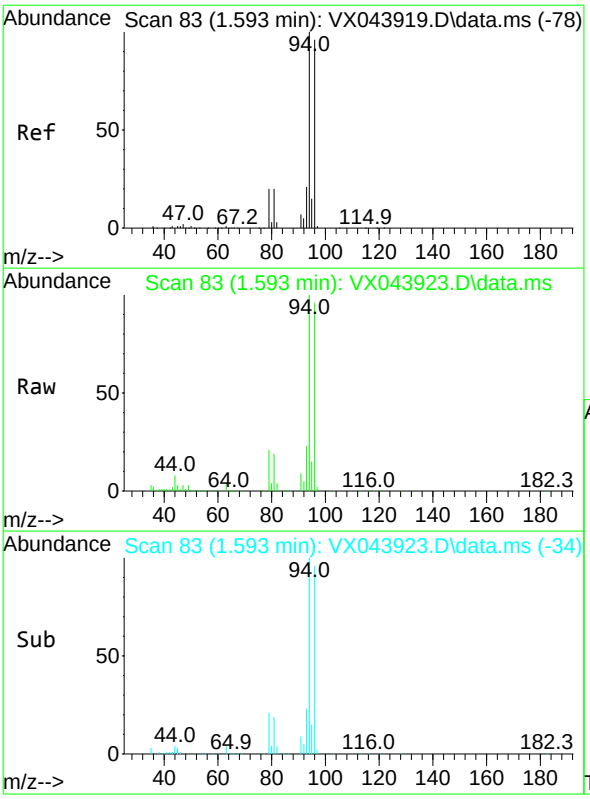


#4
Vinyl Chloride
Concen: 55.940 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 62 Resp: 98663

Ion	Ratio	Lower	Upper
62	100		
64	30.9	26.1	39.1

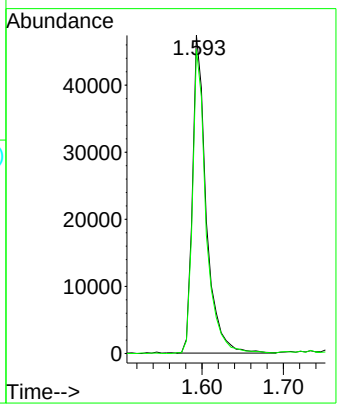




#5
Bromomethane
Concen: 69.459 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 94 Resp: 55648

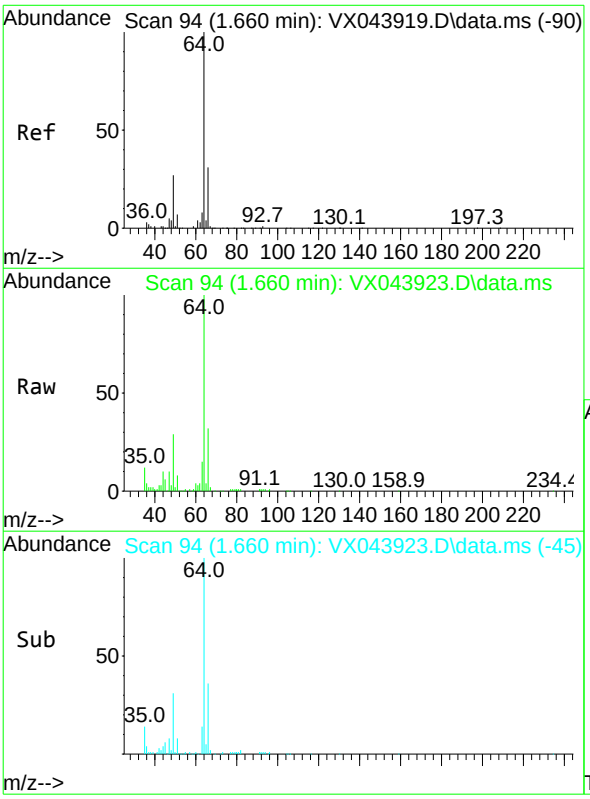
Ion	Ratio	Lower	Upper
94	100		
96	95.6	76.5	114.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

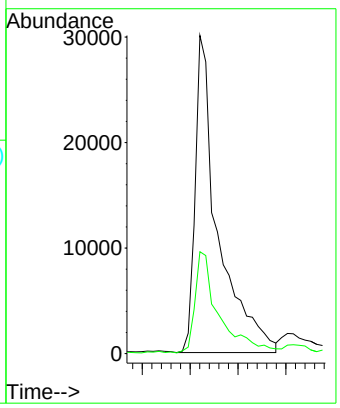
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

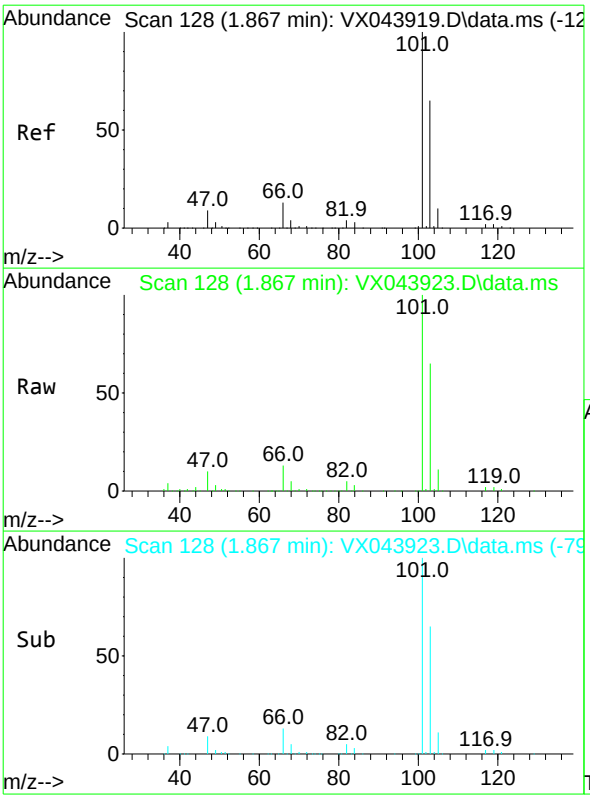


#6
Chloroethane
Concen: 58.791 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 64 Resp: 49530

Ion	Ratio	Lower	Upper
64	100		
66	31.9	24.9	37.3

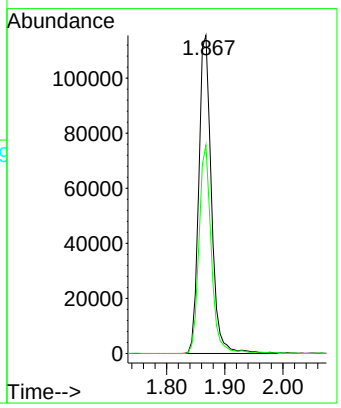




#7
Trichlorofluoromethane
Concen: 69.274 ug/l
RT: 1.867 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion:101 Resp: 174189

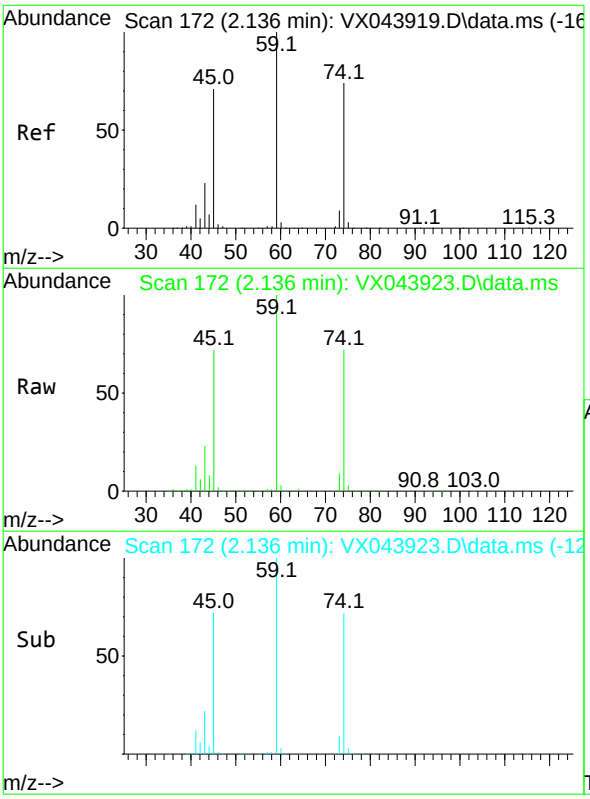
Ion	Ratio	Lower	Upper
101	100		
103	65.5	52.2	78.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

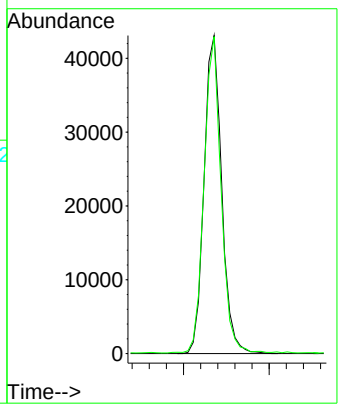
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

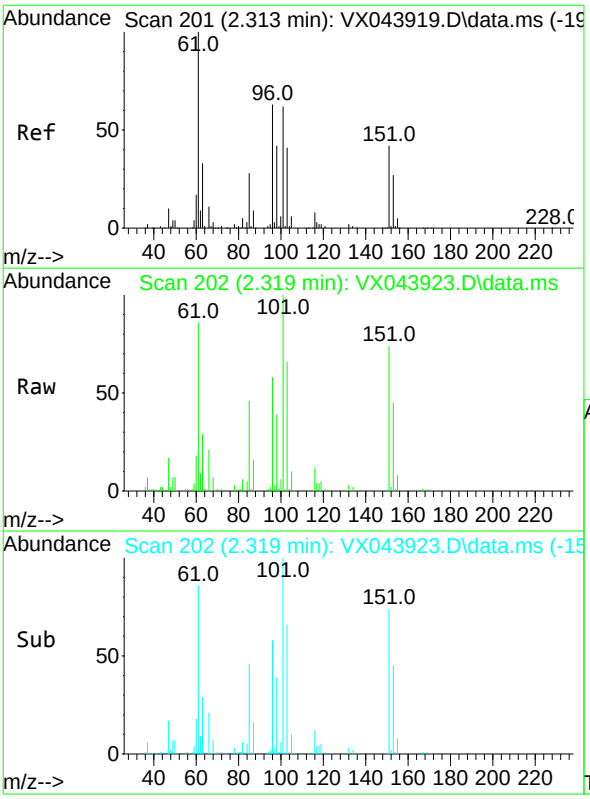


#8
Diethyl Ether
Concen: 64.776 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

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

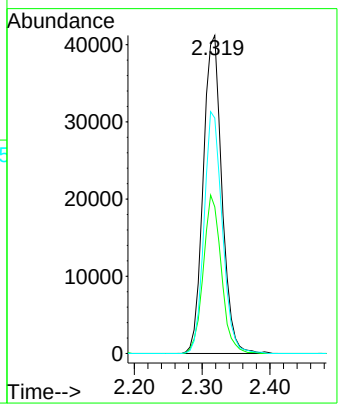
Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

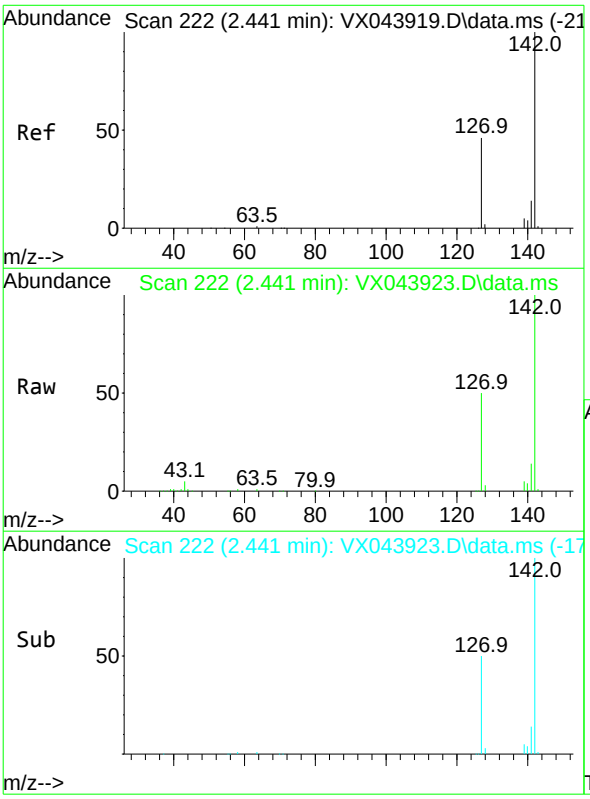
Tgt Ion:101 Resp: 78888

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

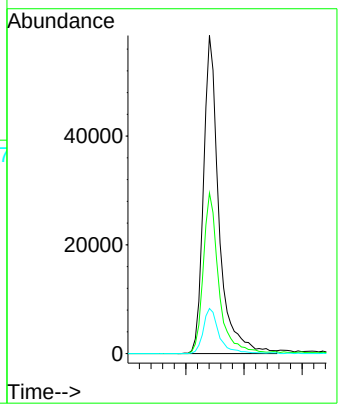


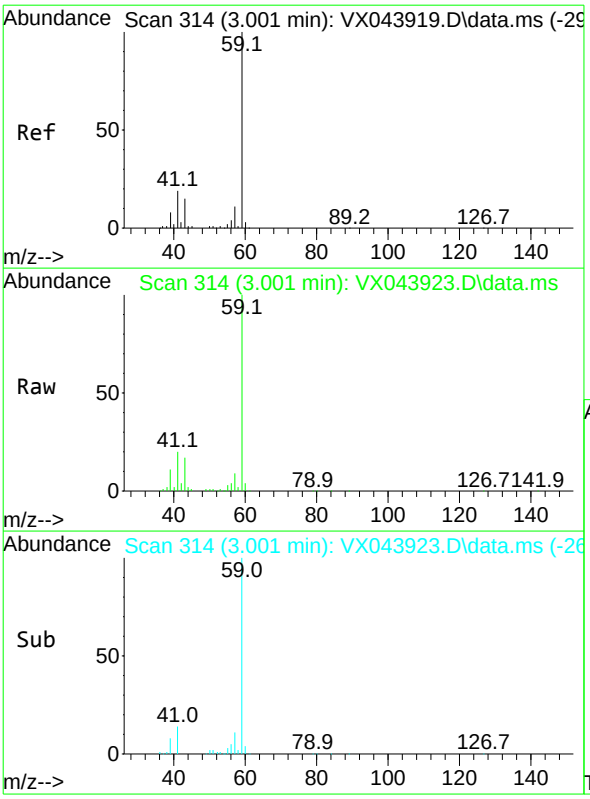


#10
Methyl Iodide
Concen: 51.664 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

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

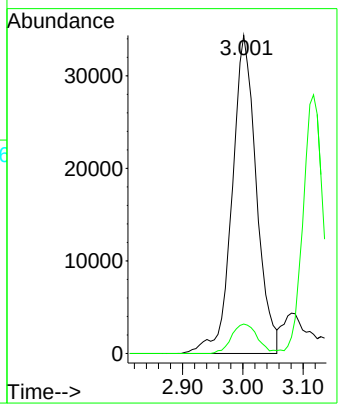




#11
Tert butyl alcohol
Concen: 283.818 ug/l
RT: 3.001 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 59 Resp: 96228

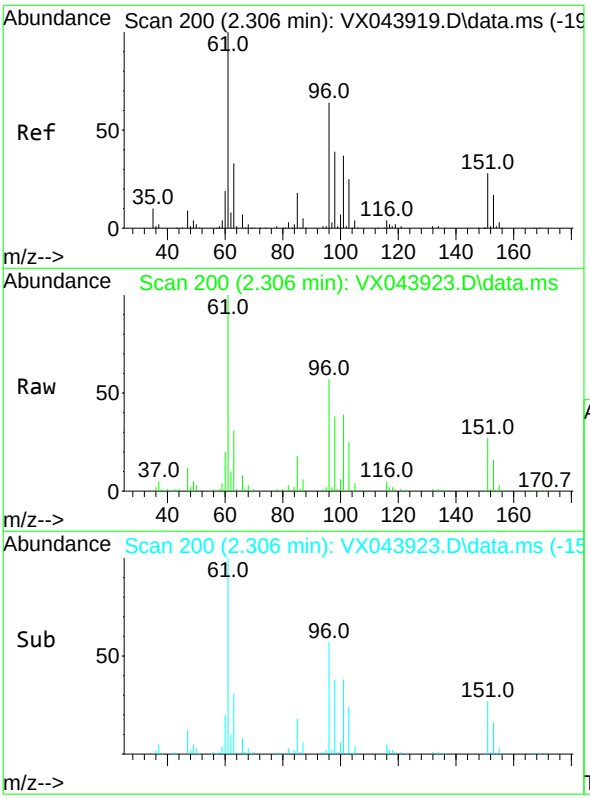
Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.2	12.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

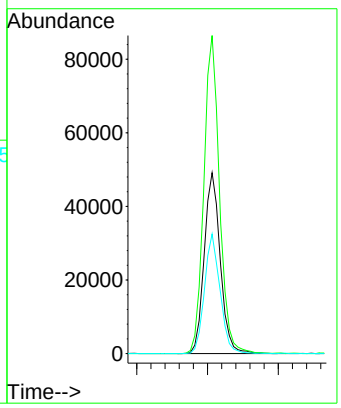
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

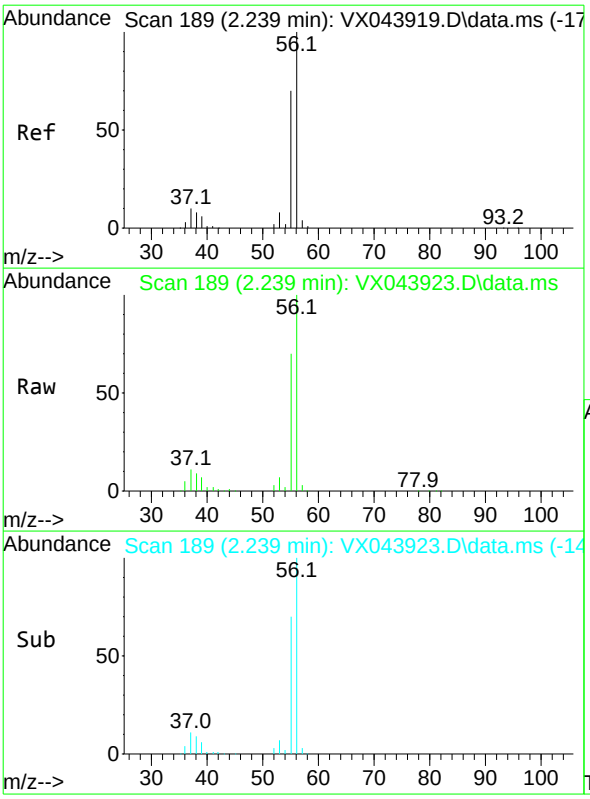


#12
1,1-Dichloroethene
Concen: 53.599 ug/l
RT: 2.306 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

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

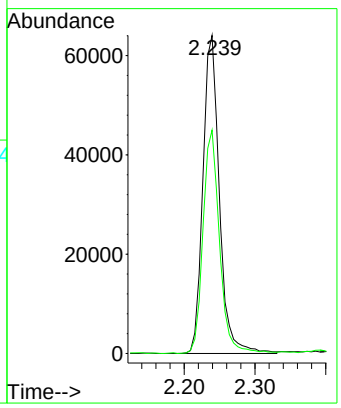




#13
Acrolein
Concen: 272.556 ug/l
RT: 2.239 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 56 Resp: 103637

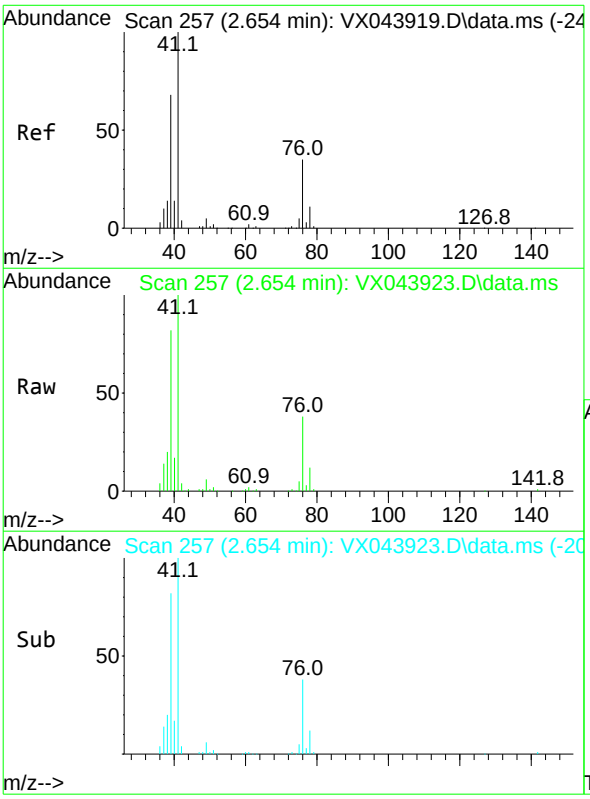
Ion	Ratio	Lower	Upper
56	100		
55	70.5	56.1	84.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

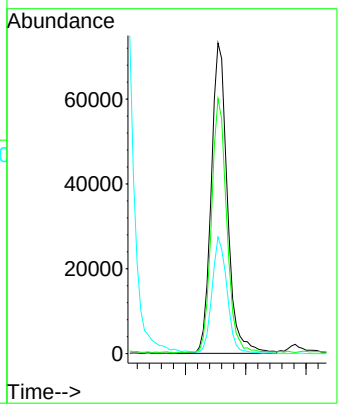
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

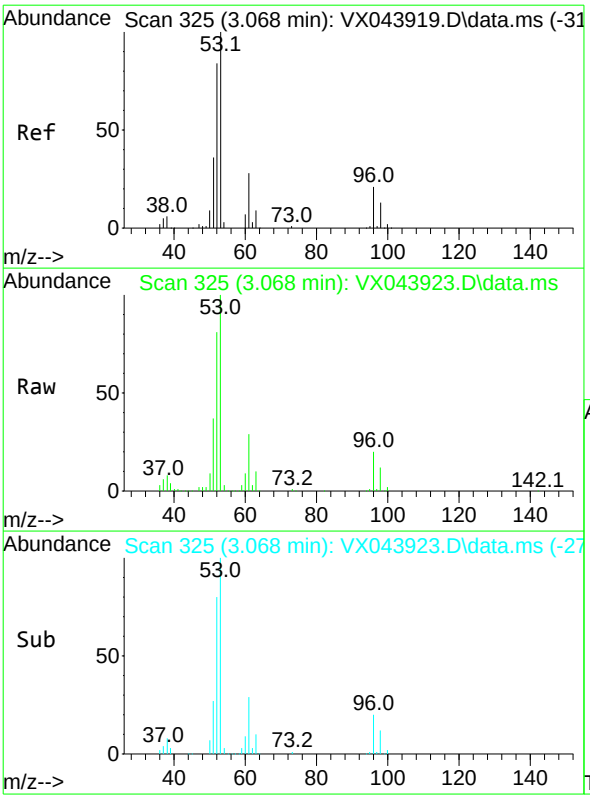


#14
Allyl chloride
Concen: 58.343 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

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

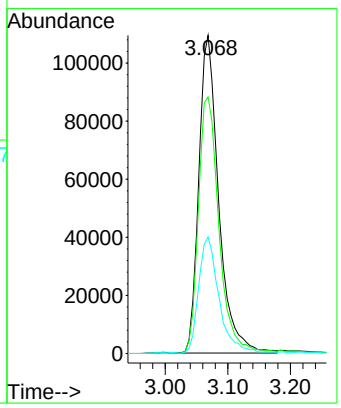




#15
Acrylonitrile
Concen: 276.221 ug/l
RT: 3.068 min Scan# 32
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 53 Resp: 241080

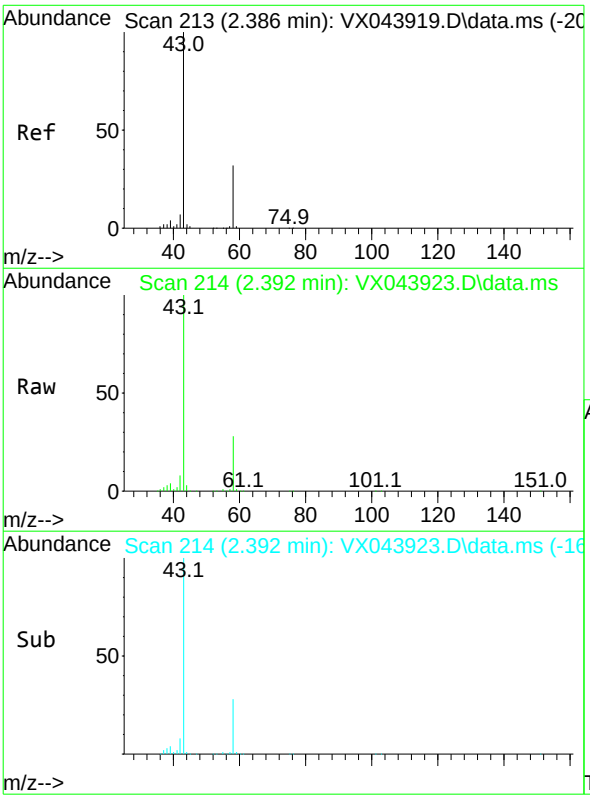
Ion	Ratio	Lower	Upper
53	100		
52	83.9	65.8	98.8
51	37.5	28.6	42.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

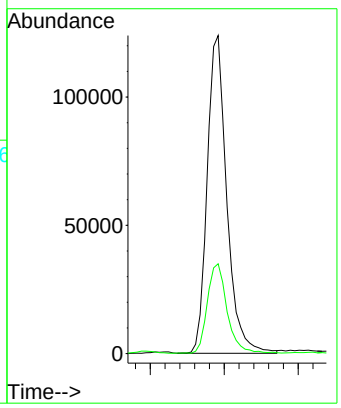
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

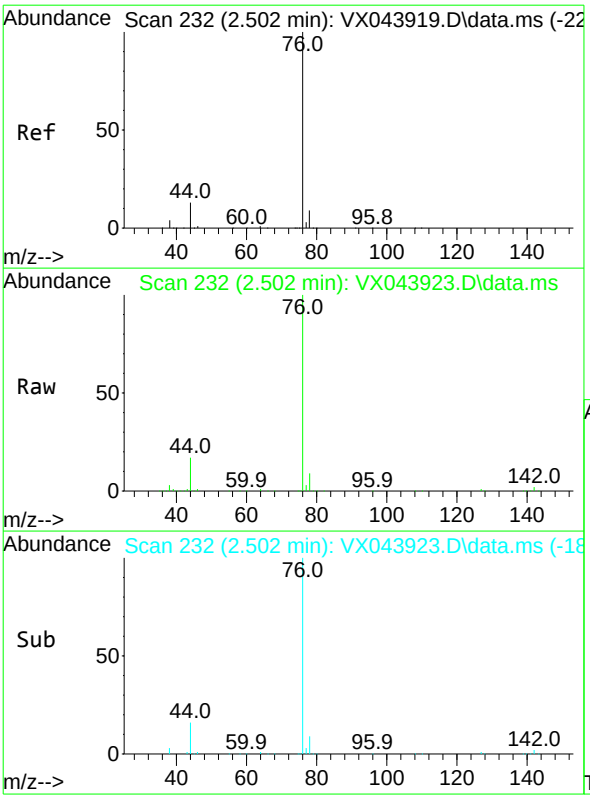


#16
Acetone
Concen: 265.748 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 43 Resp: 227575

Ion	Ratio	Lower	Upper
43	100		
58	28.1	25.8	38.6

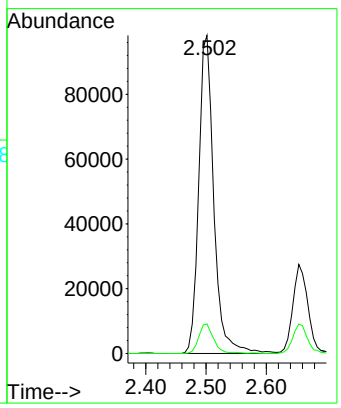




#17
Carbon Disulfide
Concen: 54.052 ug/l
RT: 2.502 min Scan# 23
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 76 Resp: 170454

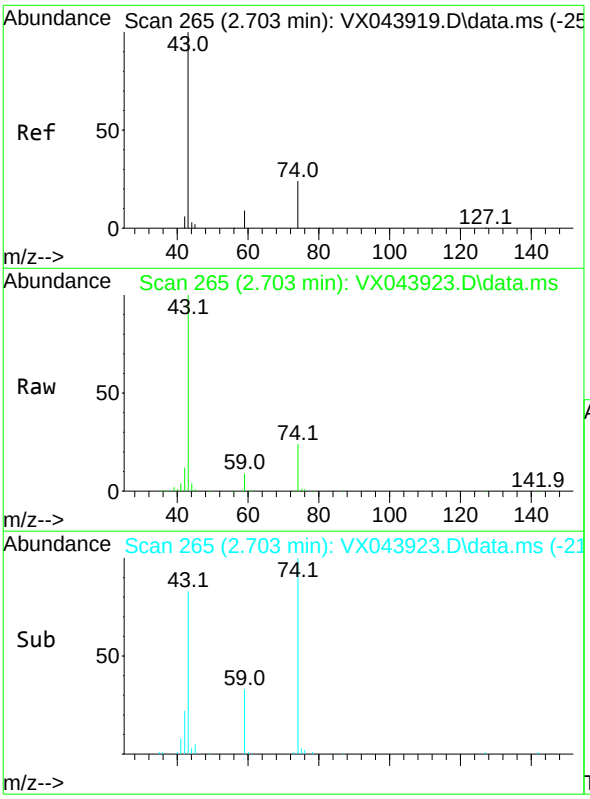
Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations APPROVED

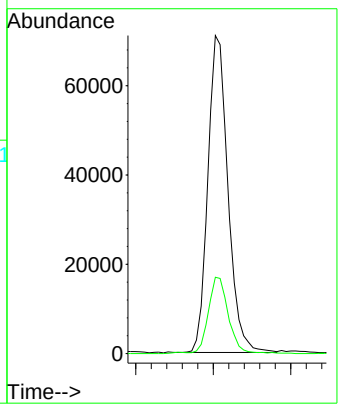
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

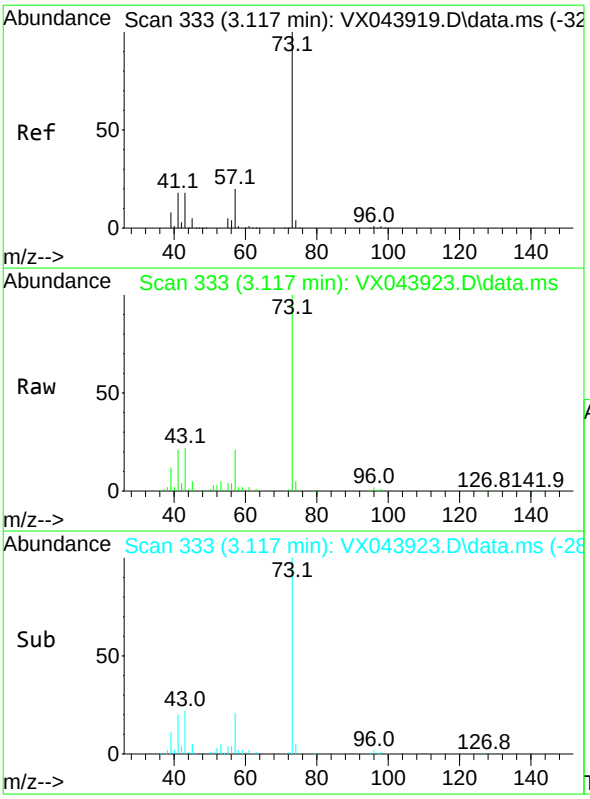


#18
Methyl Acetate
Concen: 54.593 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 43 Resp: 128026

Ion	Ratio	Lower	Upper
43	100		
74	24.0	20.1	30.1

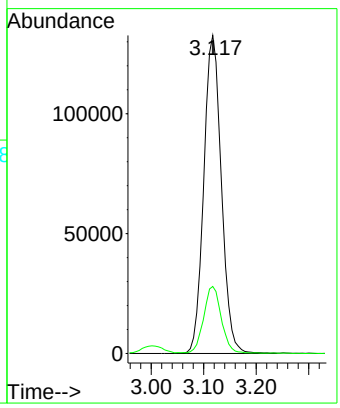




#19
Methyl tert-butyl Ether
Concen: 57.868 ug/l
RT: 3.117 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 73 Resp: 308920

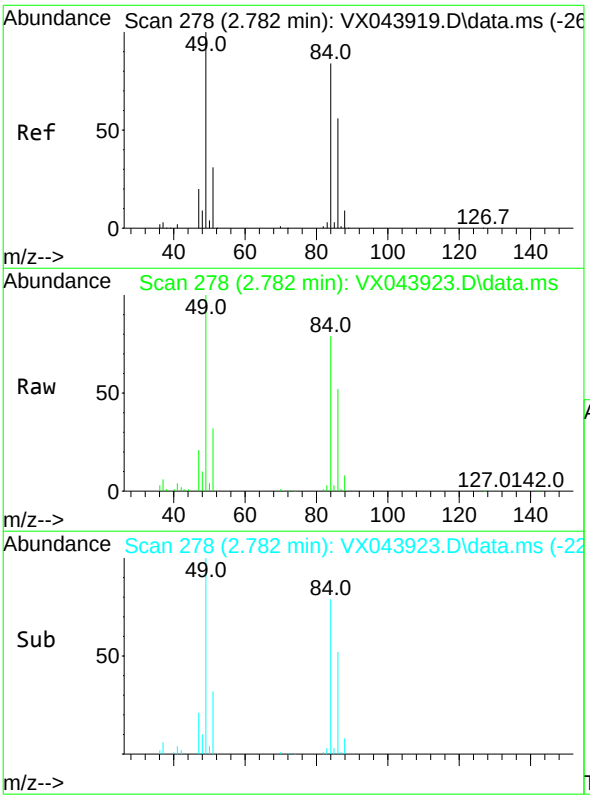
Ion	Ratio	Lower	Upper
73	100		
57	21.0	16.4	24.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

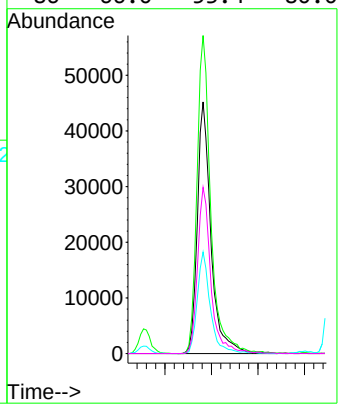
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

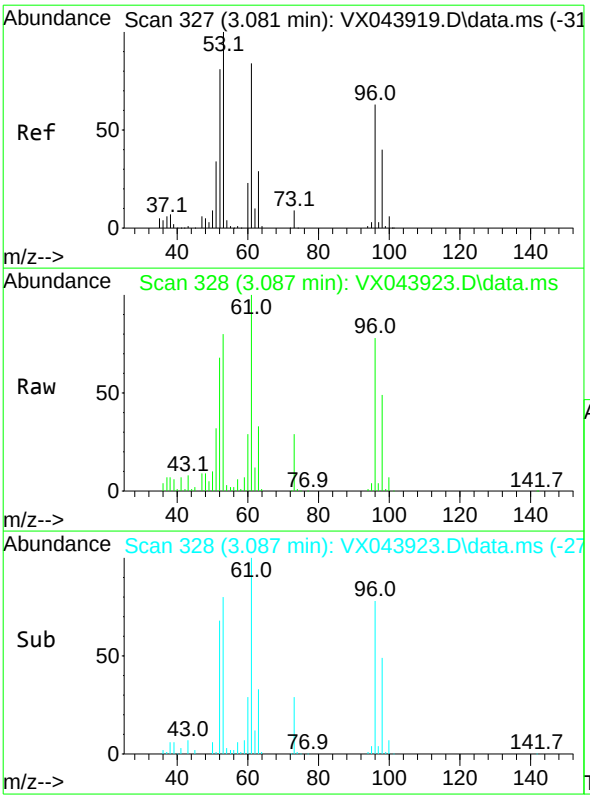


#20
Methylene Chloride
Concen: 51.368 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

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

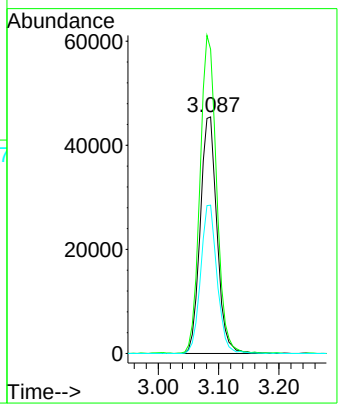




#21
trans-1,2-Dichloroethene
Concen: 55.548 ug/l
RT: 3.087 min Scan# 32
Delta R.T. 0.006 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 96 Resp: 87463

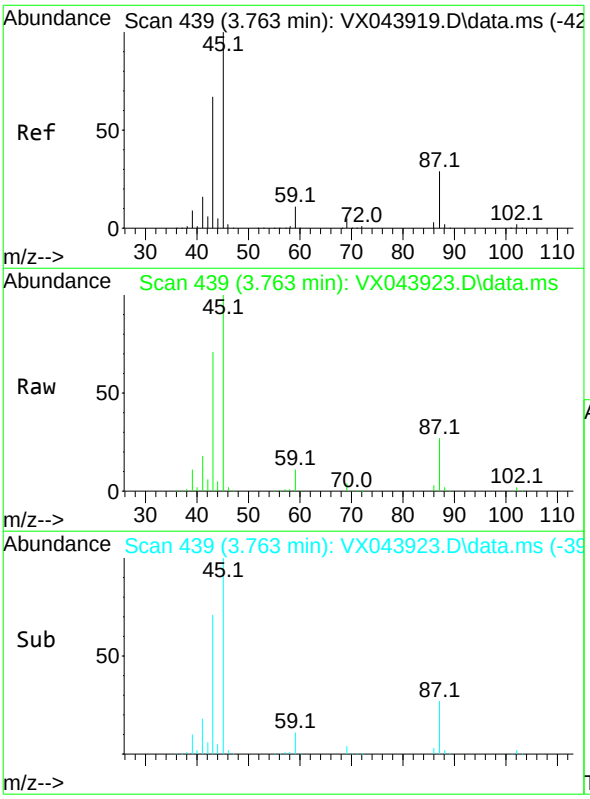
Ion	Ratio	Lower	Upper
96	100		
61	128.4	106.4	159.6
98	62.7	50.9	76.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

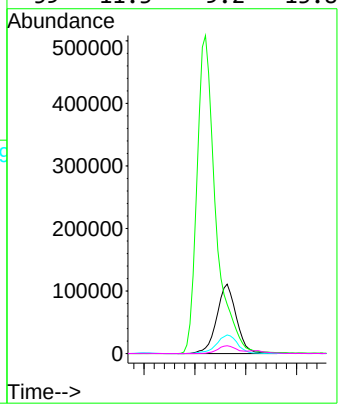
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

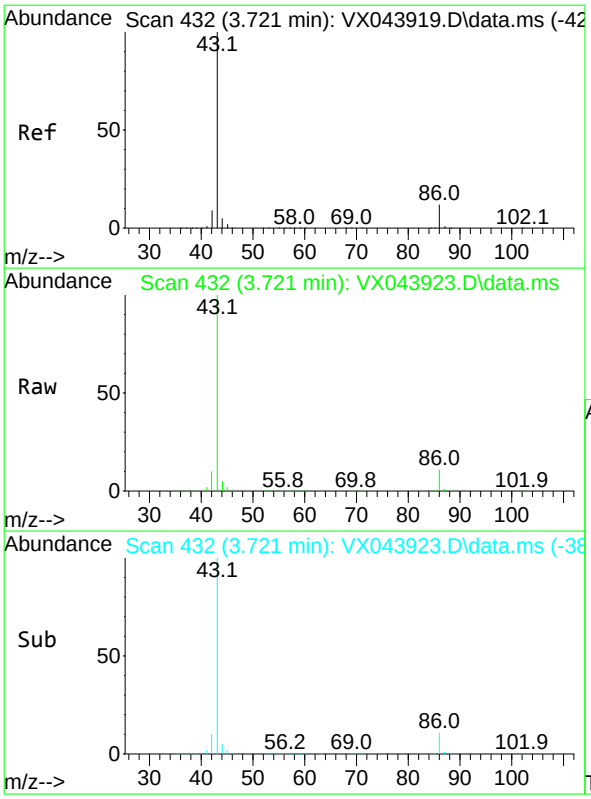


#22
Diisopropyl ether
Concen: 58.005 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

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

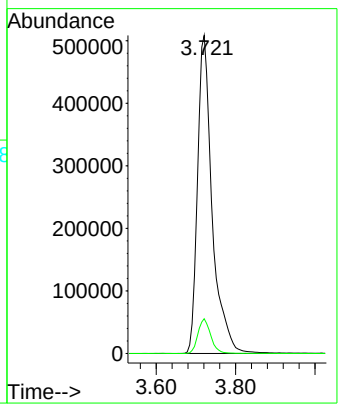




#23
Vinyl Acetate
Concen: 314.256 ug/l
RT: 3.721 min Scan# 43
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 43 Resp: 1303089

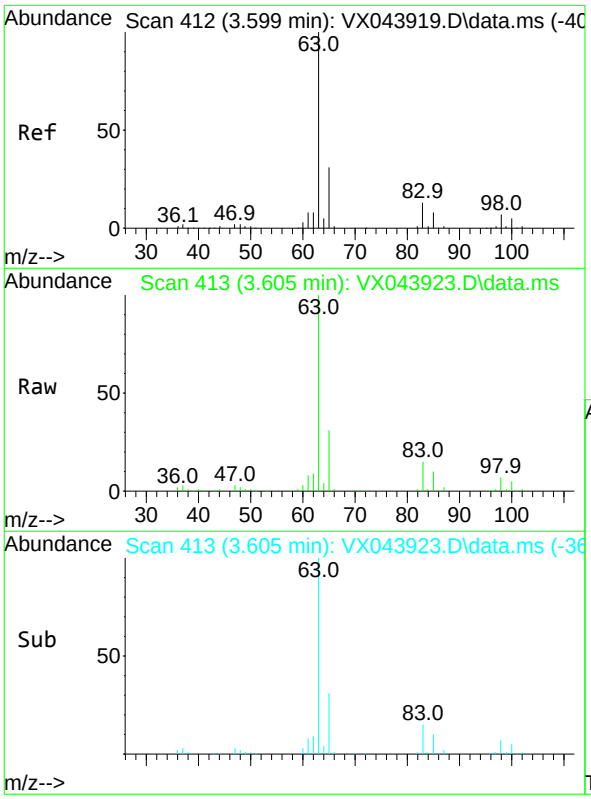
Ion	Ratio	Lower	Upper
43	100		
86	10.9	9.4	14.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

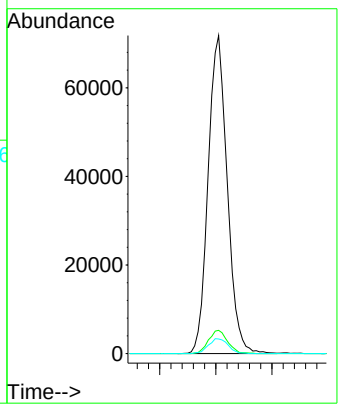
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

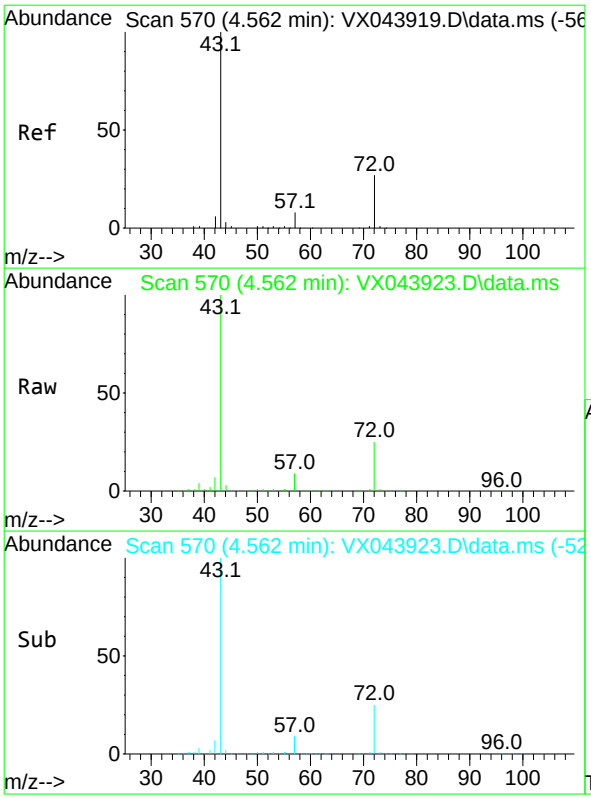


#24
1,1-Dichloroethane
Concen: 56.478 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

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

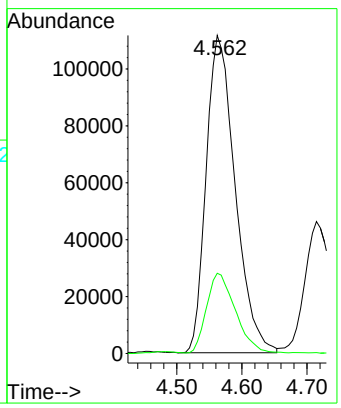




#25
2-Butanone
Concen: 288.244 ug/l
RT: 4.562 min Scan# 57
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 43 Resp: 345310

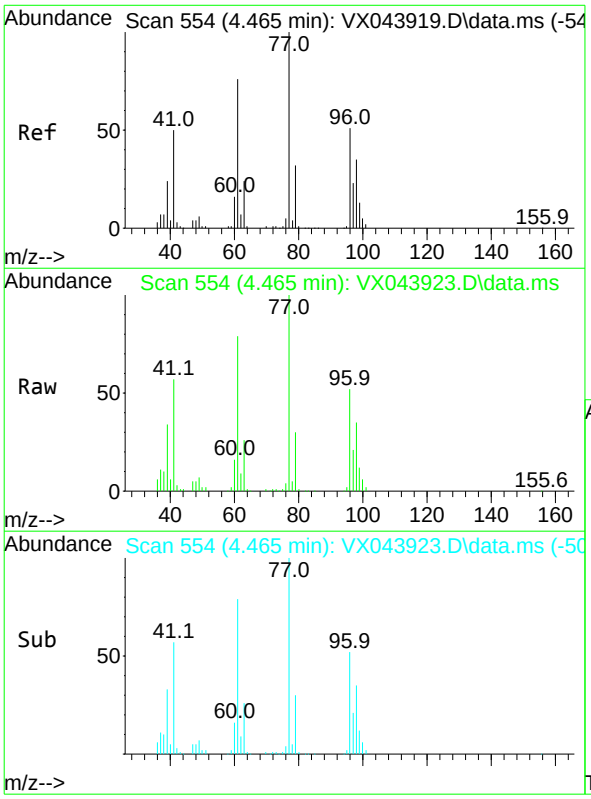
Ion	Ratio	Lower	Upper
43	100		
72	24.9	21.3	31.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

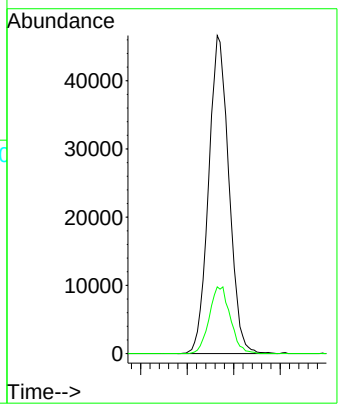
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

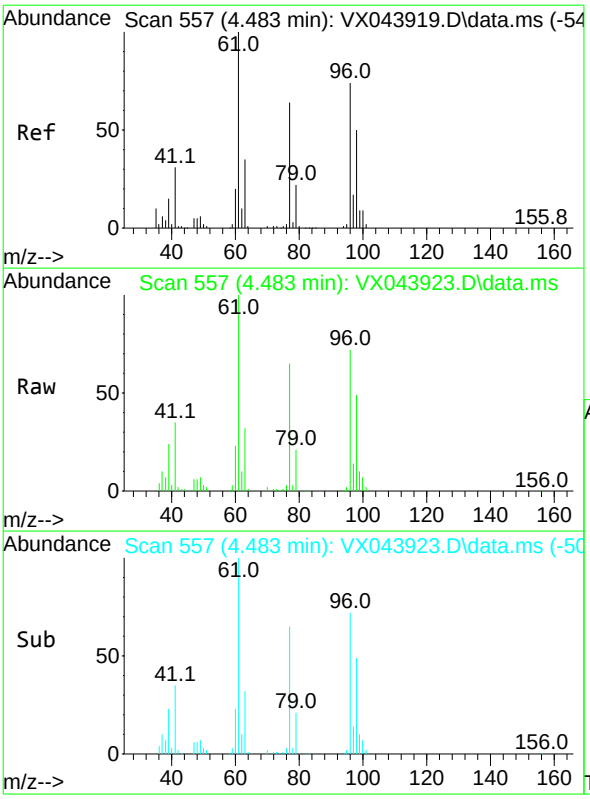


#26
2,2-Dichloropropane
Concen: 57.127 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 77 Resp: 141245

Ion	Ratio	Lower	Upper
77	100		
97	21.8	11.7	35.1

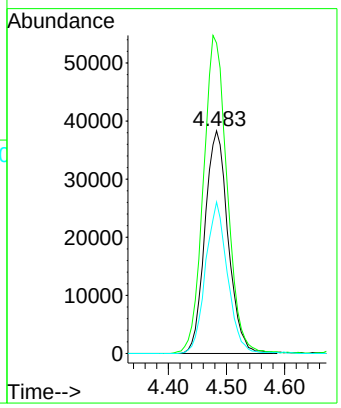




#27
cis-1,2-Dichloroethene
Concen: 54.236 ug/l
RT: 4.483 min Scan# 55
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 96 Resp: 106274

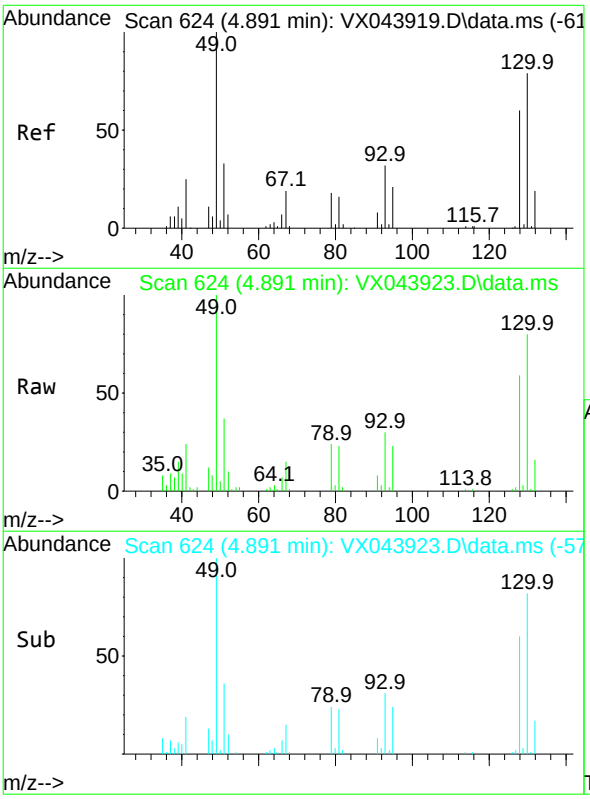
Ion	Ratio	Lower	Upper
96	100		
61	145.9	0.0	279.4
98	64.2	0.0	131.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

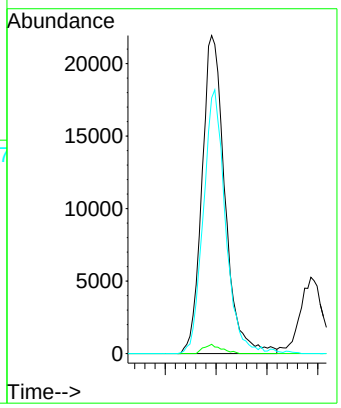
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

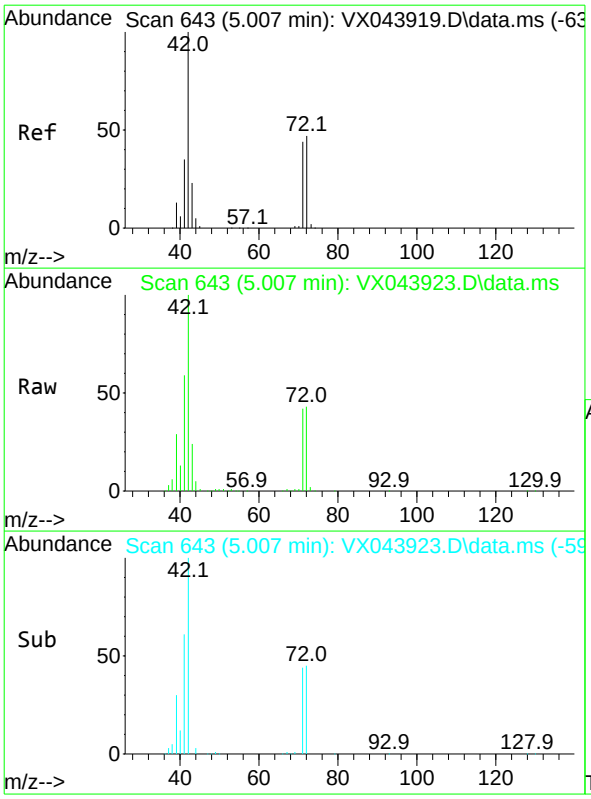


#28
Bromochloromethane
Concen: 54.265 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

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

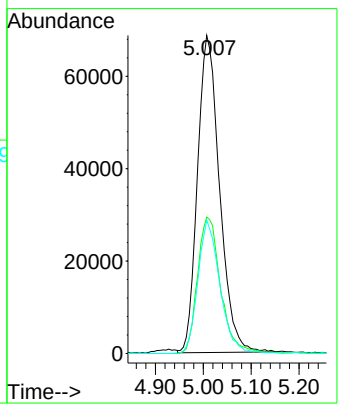




#29
Tetrahydrofuran
Concen: 284.374 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 42 Resp: 220135

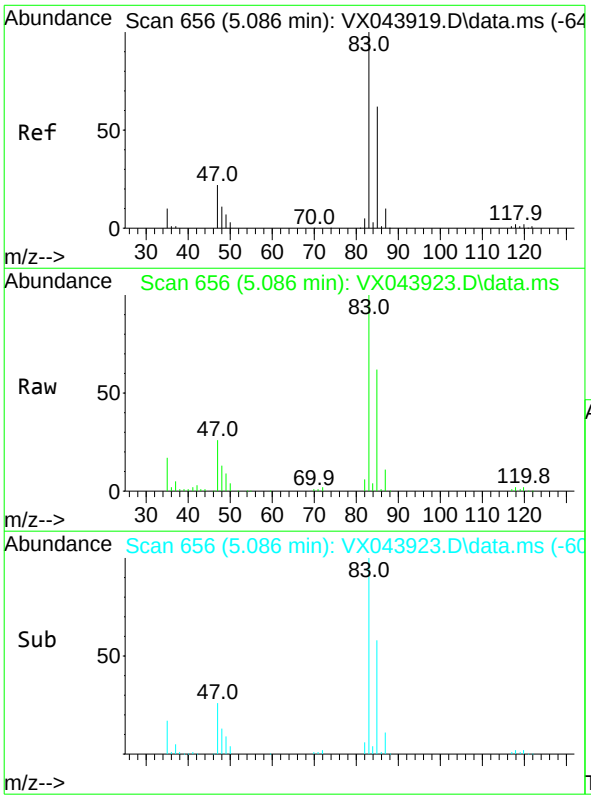
Ion	Ratio	Lower	Upper
42	100		
72	45.1	37.9	56.9
71	41.9	34.8	52.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

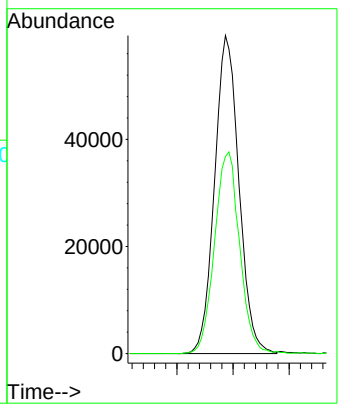
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

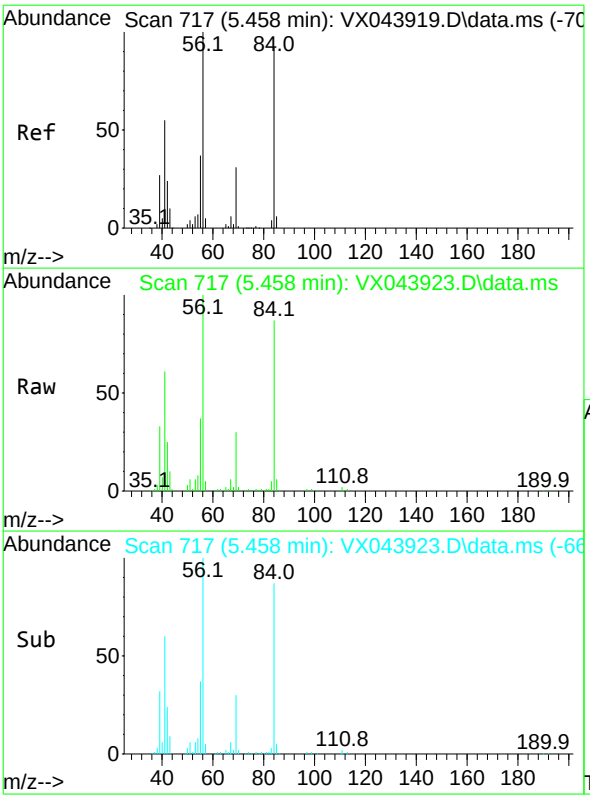


#30
Chloroform
Concen: 57.044 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 83 Resp: 178903

Ion	Ratio	Lower	Upper
83	100		
85	61.9	49.7	74.5

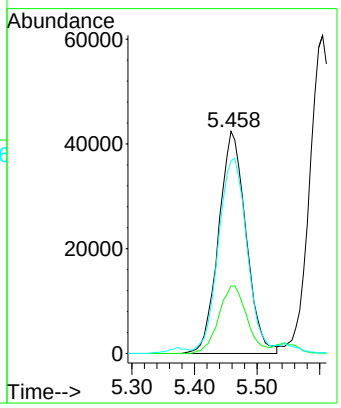




#31
Cyclohexane
Concen: 52.818 ug/l
RT: 5.458 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 56 Resp: 128800

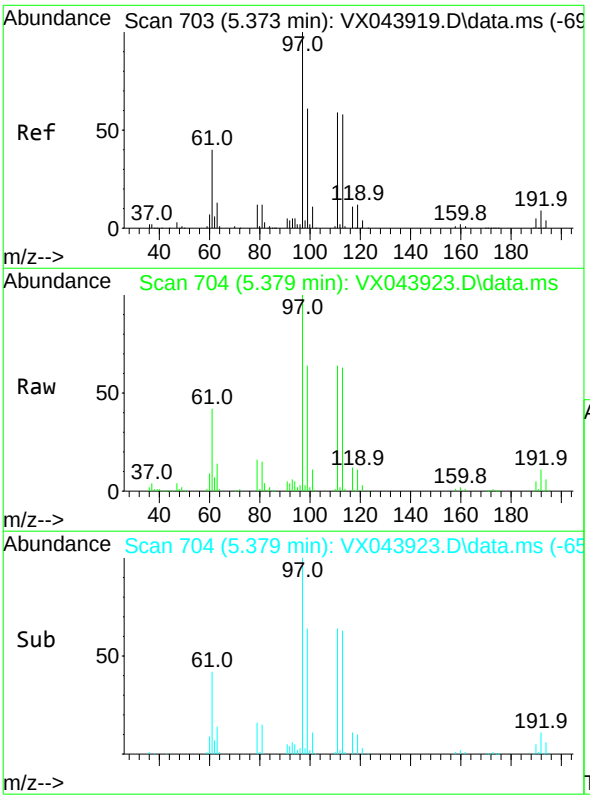
Ion	Ratio	Lower	Upper
56	100		
69	30.4	24.9	37.3
84	84.0	73.8	110.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

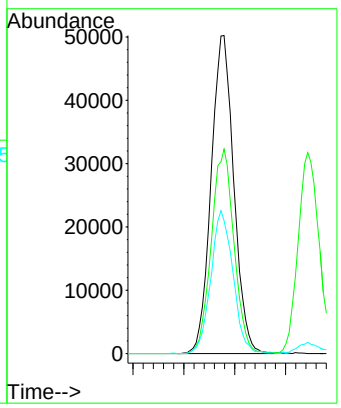
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

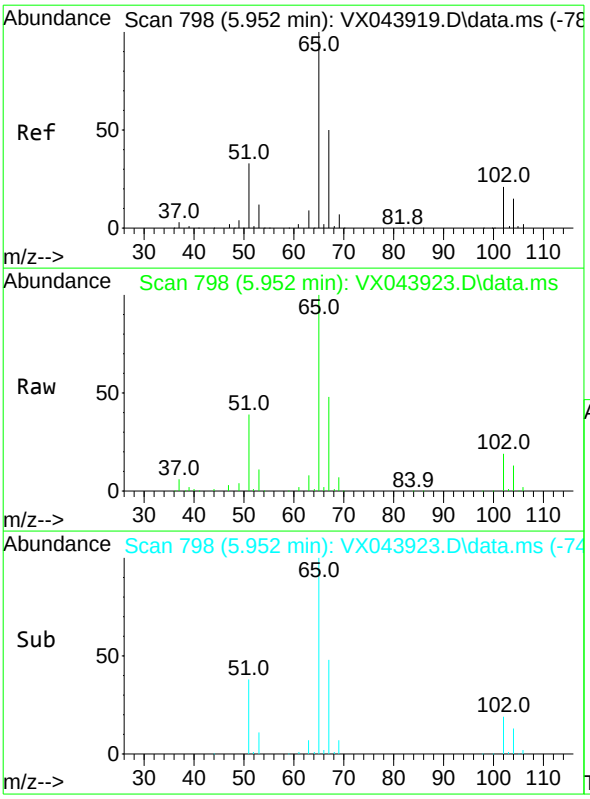


#32
1,1,1-Trichloroethane
Concen: 58.048 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

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

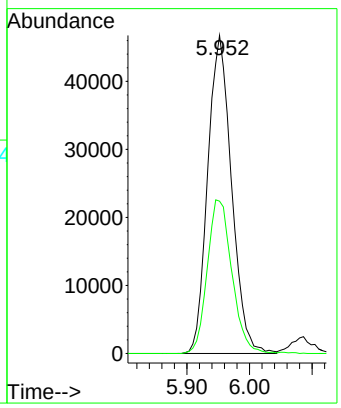




#33
1,2-Dichloroethane-d4
Concen: 58.016 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 65 Resp: 123698

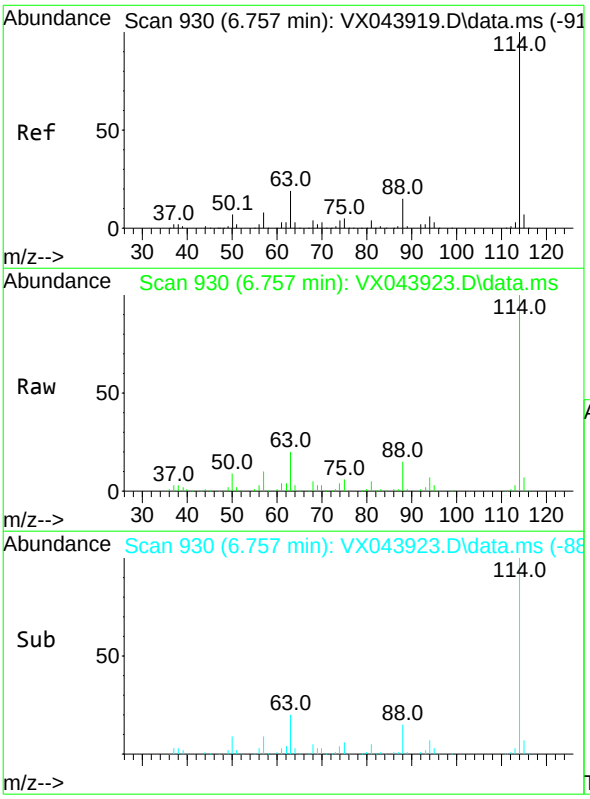
Ion	Ratio	Lower	Upper
65	100		
67	49.9	0.0	103.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations APPROVED

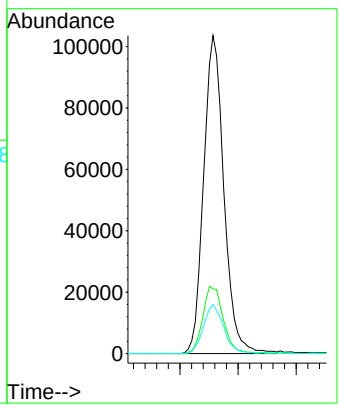
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

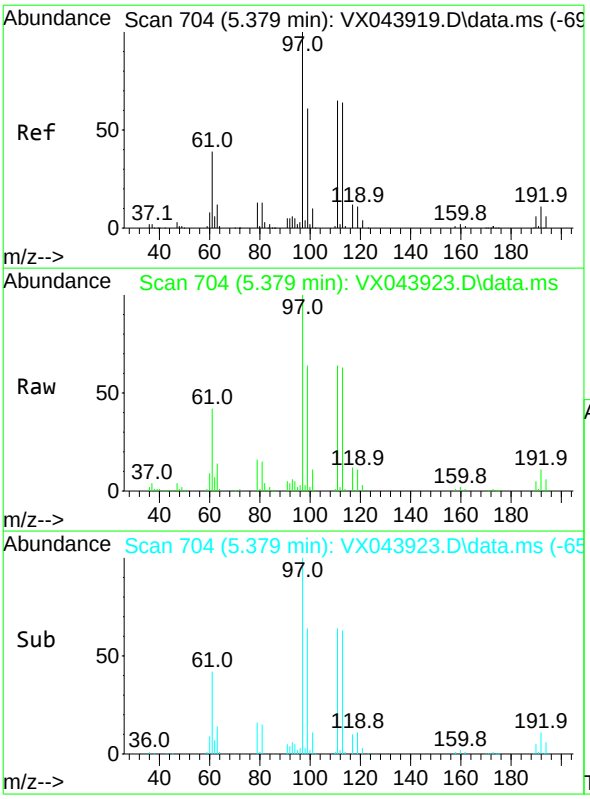


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

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

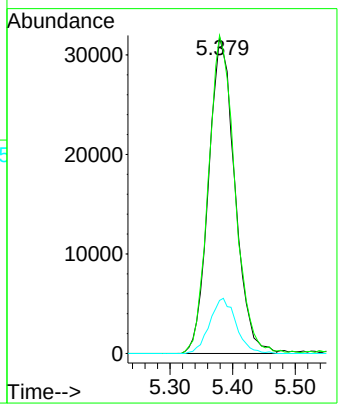
Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

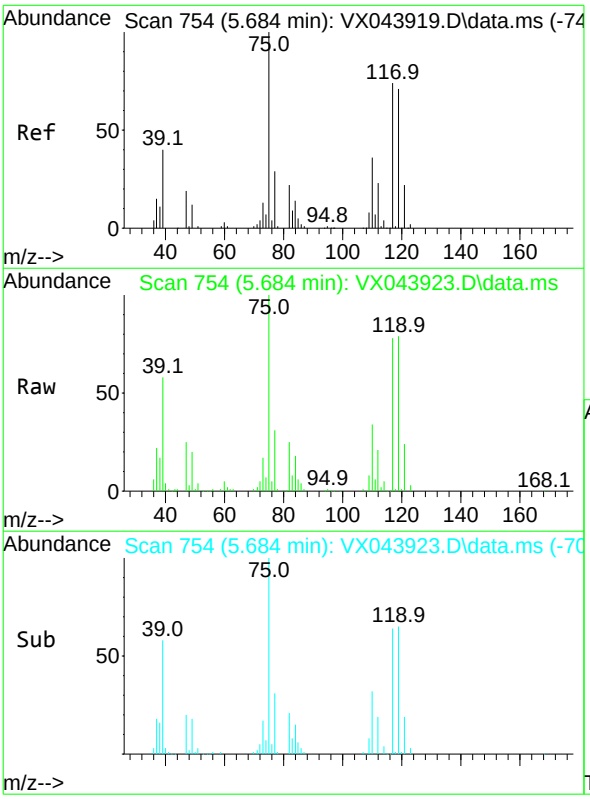
Tgt Ion:113 Resp: 92258

Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.0	121.6
192	17.6	14.2	21.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

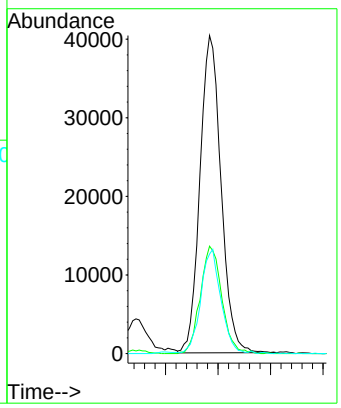


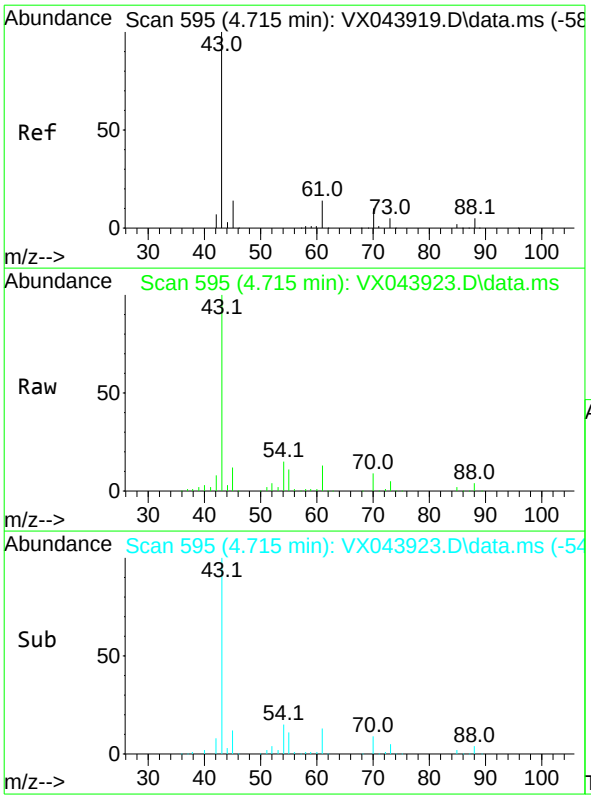


#36
1,1-Dichloropropene
Concen: 53.685 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

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

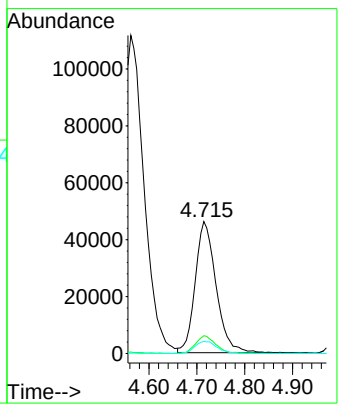




#37
Ethyl Acetate
Concen: 59.057 ug/l
RT: 4.715 min Scan# 59
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 43 Resp: 139478

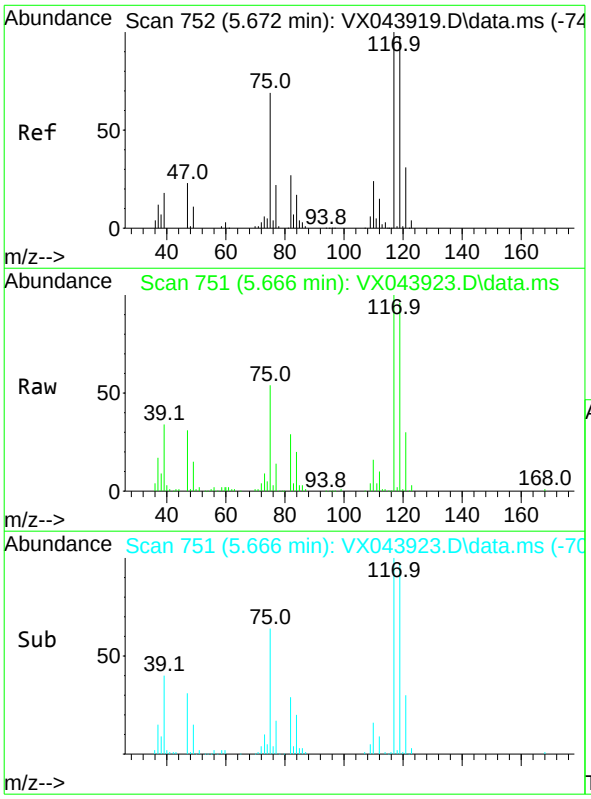
Ion	Ratio	Lower	Upper
43	100		
61	13.2	11.5	17.3
70	9.9	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

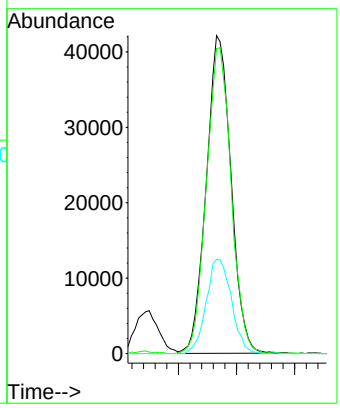
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

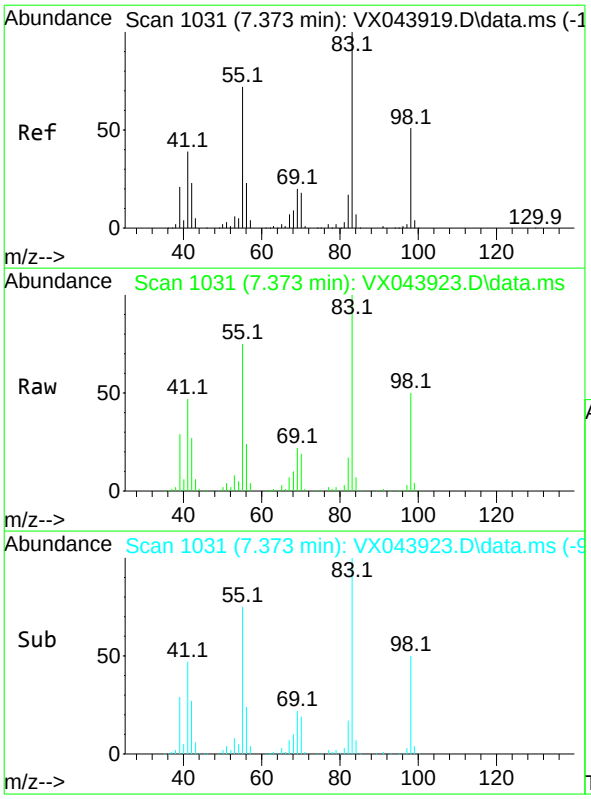


#38
Carbon Tetrachloride
Concen: 56.086 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

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

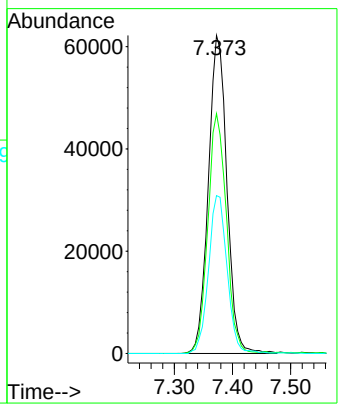




#39
Methylcyclohexane
Concen: 52.543 ug/l
RT: 7.373 min Scan# 10
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 83 Resp: 138032

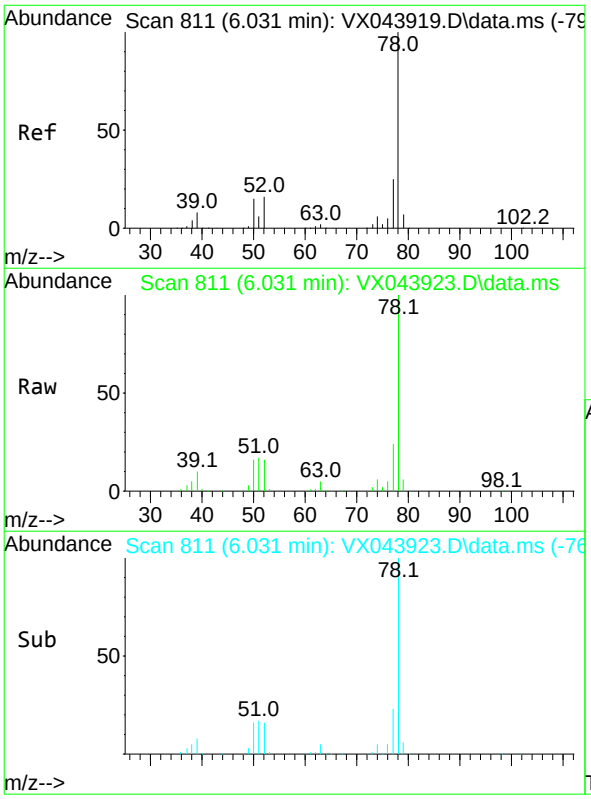
Ion	Ratio	Lower	Upper
83	100		
55	75.4	57.9	86.9
98	49.6	40.5	60.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

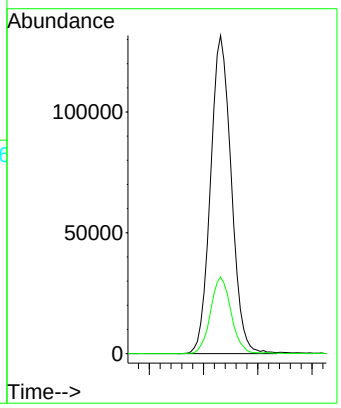
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

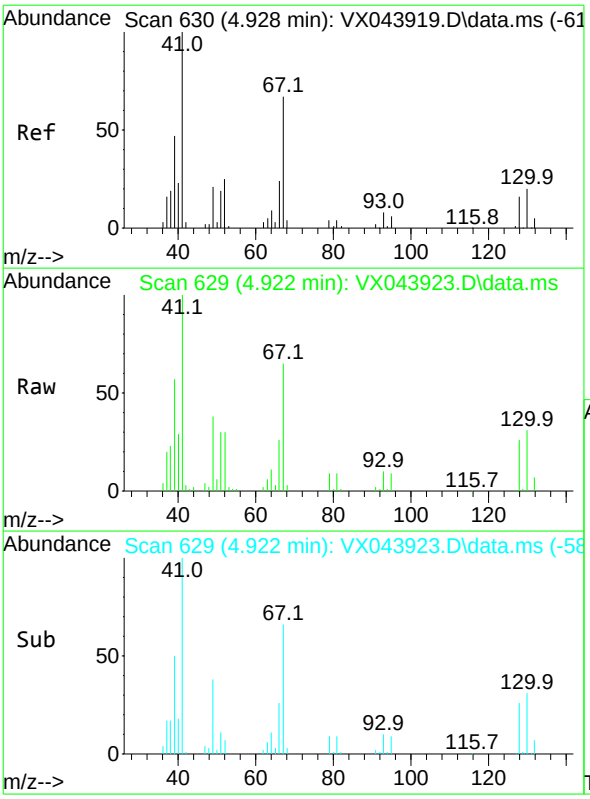


#40
Benzene
Concen: 53.028 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 78 Resp: 349857

Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.8	29.8

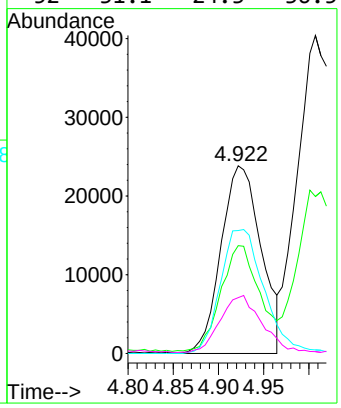




#41
Methacrylonitrile
Concen: 59.928 ug/l
RT: 4.922 min Scan# 62
Delta R.T. -0.006 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 41 Resp: 73757

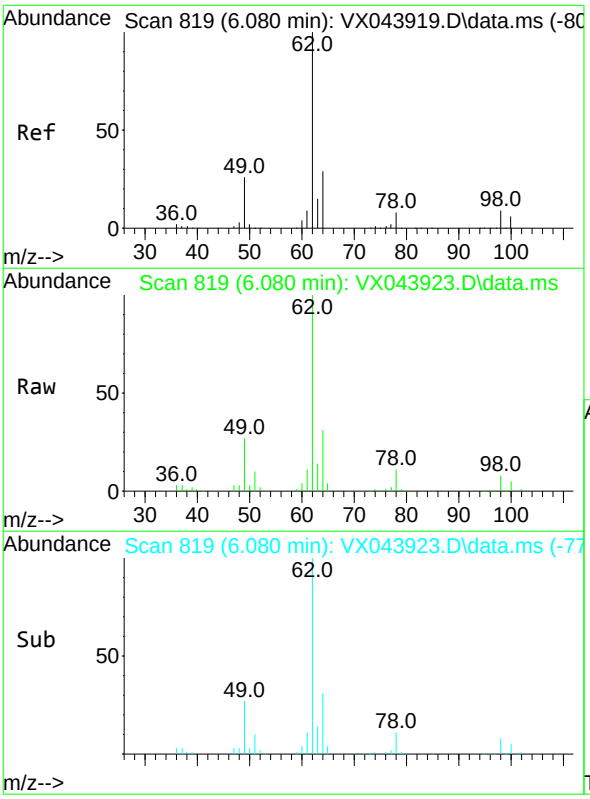
Ion	Ratio	Lower	Upper
41	100		
39	54.4	41.2	61.8
67	71.8	60.3	90.5
52	31.1	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

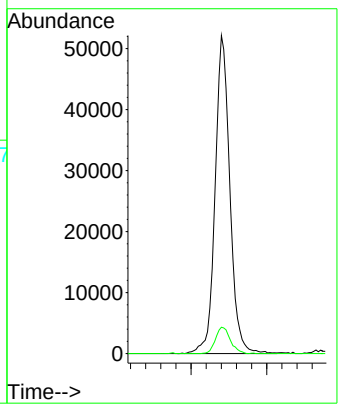
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

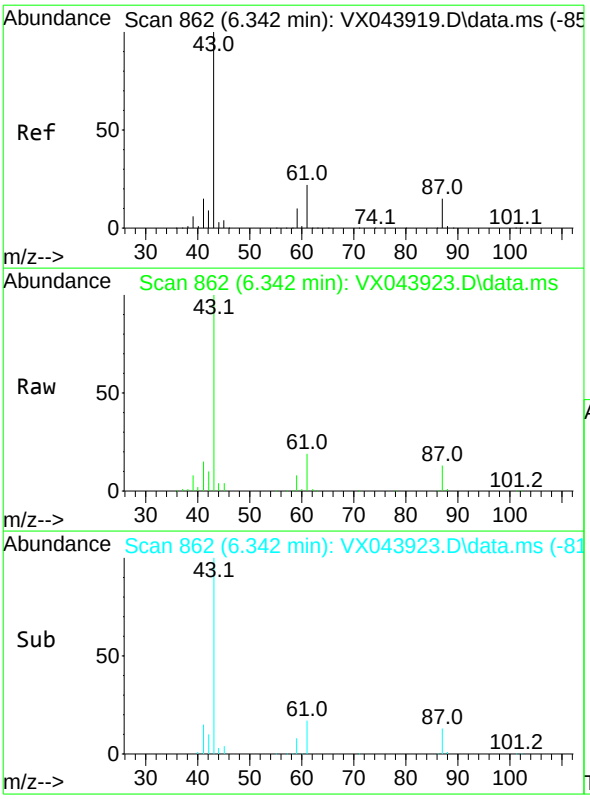


#42
1,2-Dichloroethane
Concen: 58.882 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 62 Resp: 141058

Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	18.6

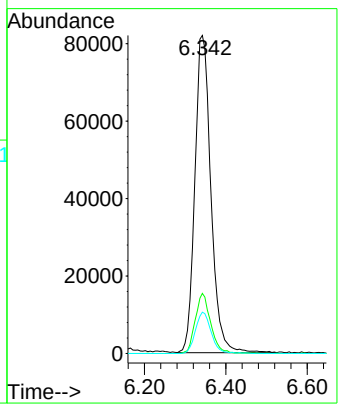




#43
Isopropyl Acetate
Concen: 60.266 ug/l
RT: 6.342 min Scan# 86
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 43 Resp: 224533

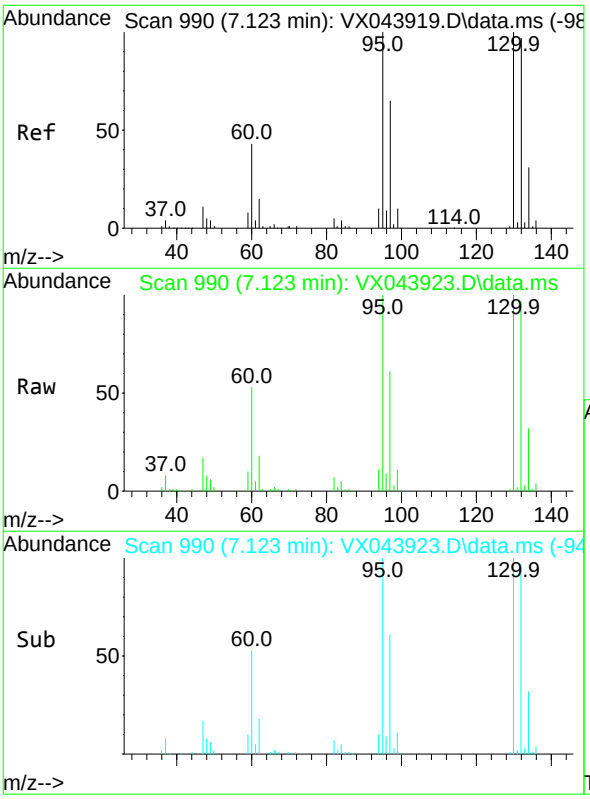
Ion	Ratio	Lower	Upper
43	100		
61	18.1	16.9	25.3
87	12.7	11.9	17.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

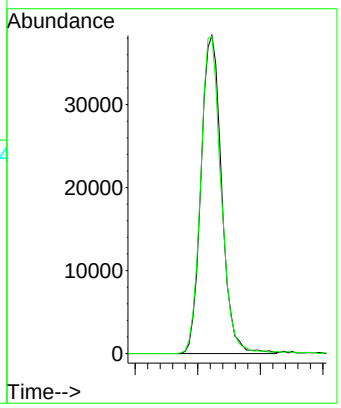
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

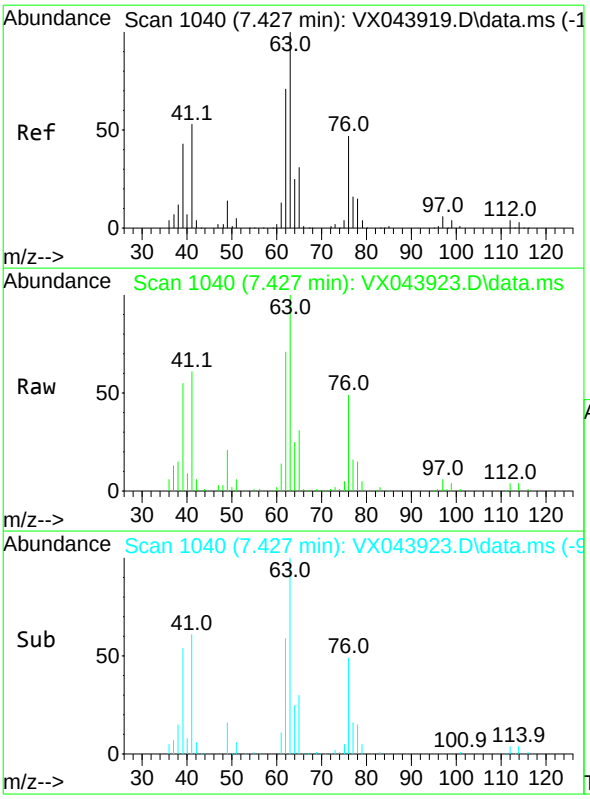


#44
Trichloroethene
Concen: 48.004 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion:130 Resp: 87313

Ion	Ratio	Lower	Upper
130	100		
95	99.7	0.0	200.8

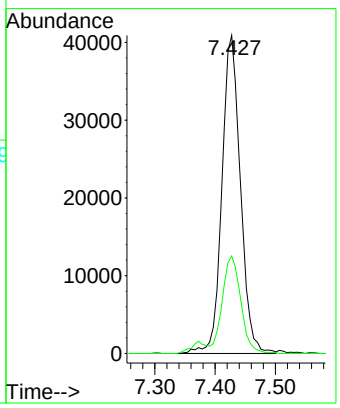




#45
1,2-Dichloropropane
Concen: 53.869 ug/l
RT: 7.427 min Scan# 10
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 63 Resp: 87107

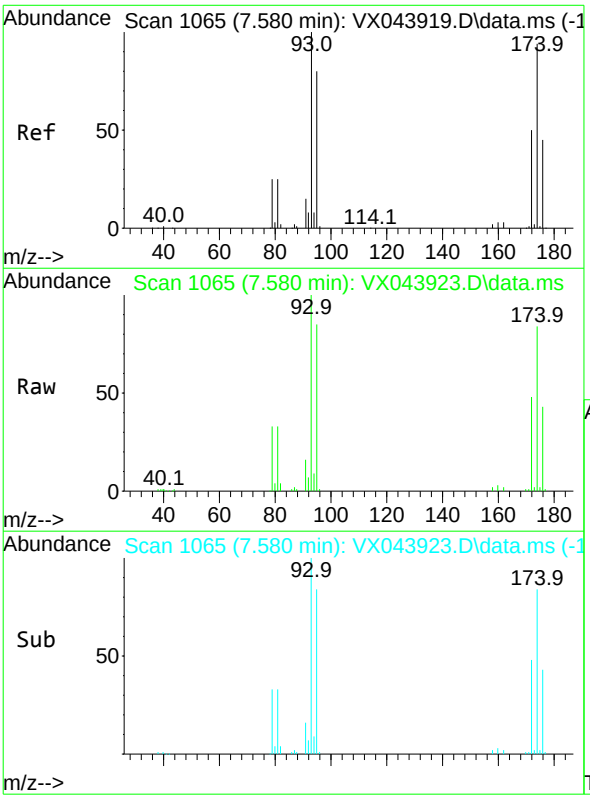
Ion	Ratio	Lower	Upper
63	100		
65	30.6	24.5	36.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

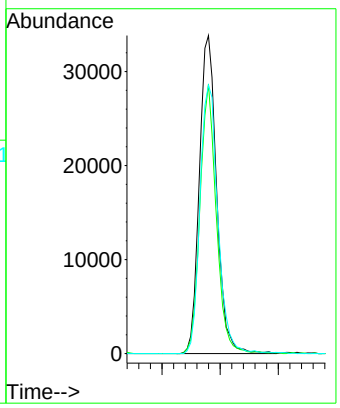
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

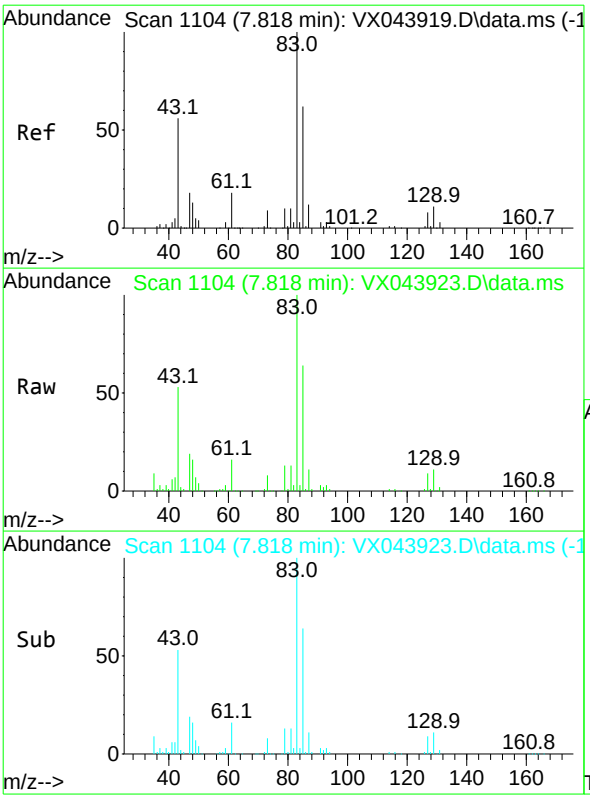


#46
Dibromomethane
Concen: 57.366 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

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

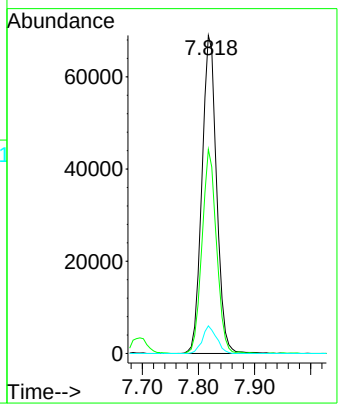




#47
Bromodichloromethane
Concen: 58.559 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 83 Resp: 125370

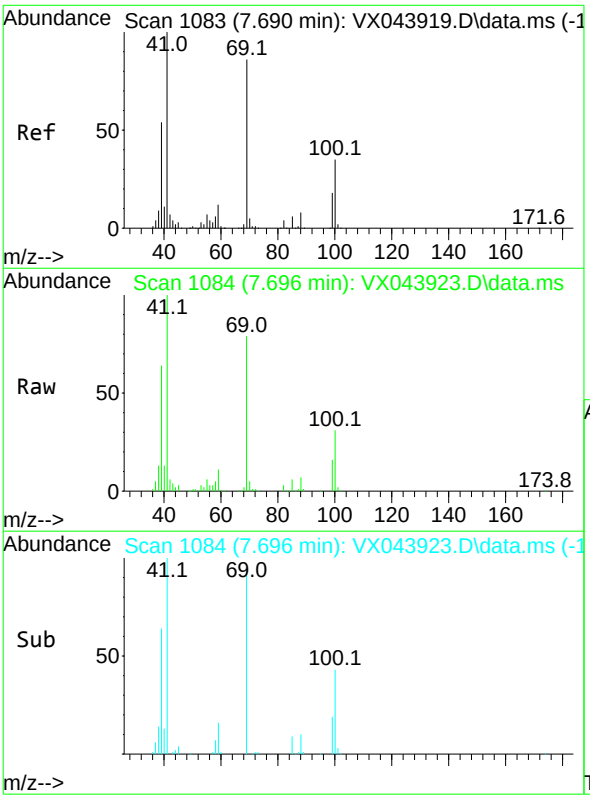
Ion	Ratio	Lower	Upper
83	100		
85	64.2	49.4	74.0
127	8.7	6.2	9.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations APPROVED

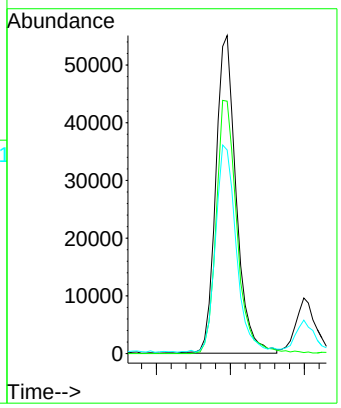
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

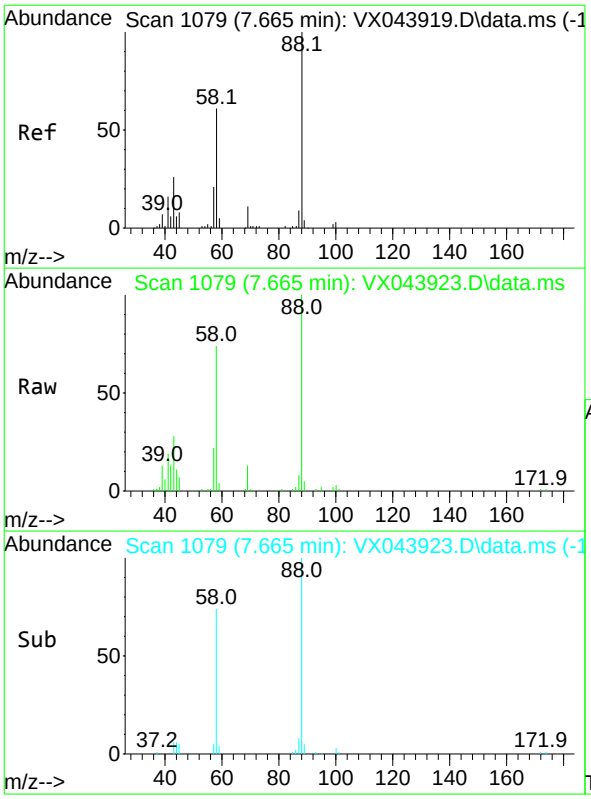


#48
Methyl methacrylate
Concen: 56.995 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

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#

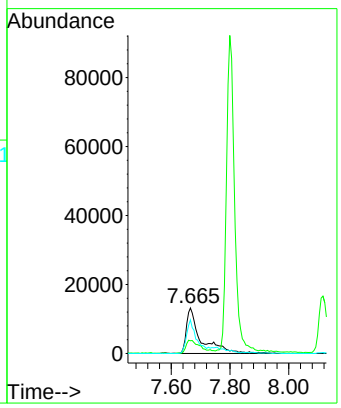




#49
1,4-Dioxane
Concen: 1161.399 ug/l m
RT: 7.665 min Scan# 10
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 88 Resp: 45681

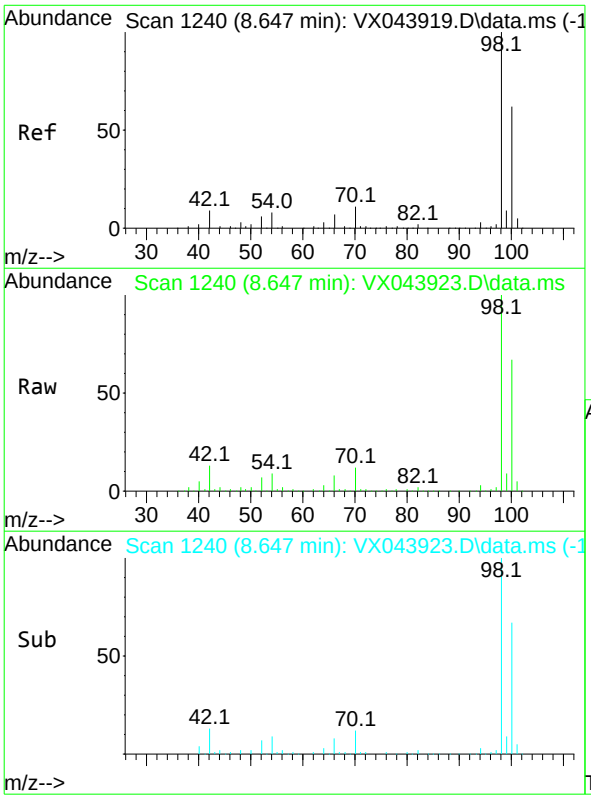
Ion	Ratio	Lower	Upper
88	100		
43	30.0	17.4	26.0#
58	49.2	41.0	61.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

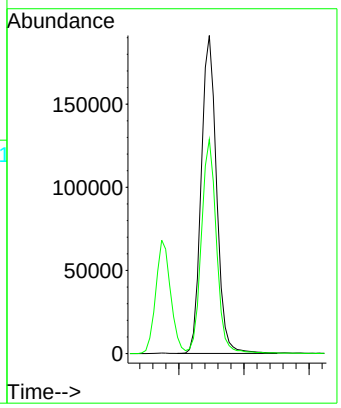
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

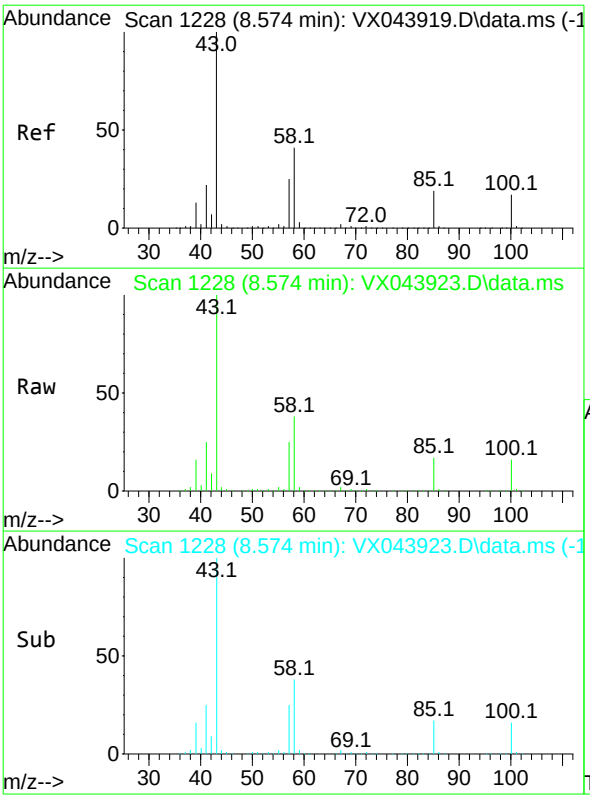


#50
Toluene-d8
Concen: 55.587 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 98 Resp: 312682

Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.0	79.6

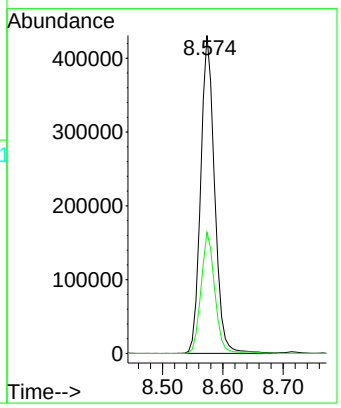




#51
4-Methyl-2-Pentanone
Concen: 296.806 ug/l
RT: 8.574 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 43 Resp: 689501

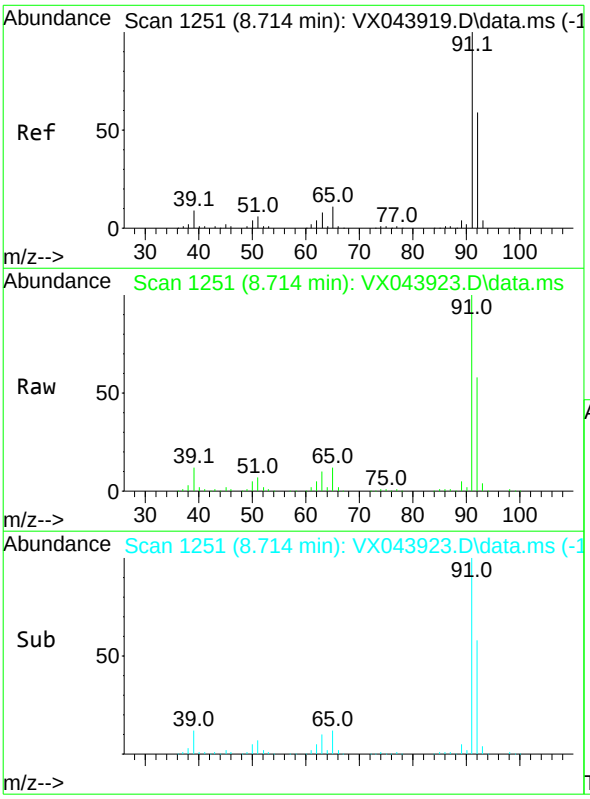
Ion	Ratio	Lower	Upper
43	100		
58	37.4	32.4	48.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

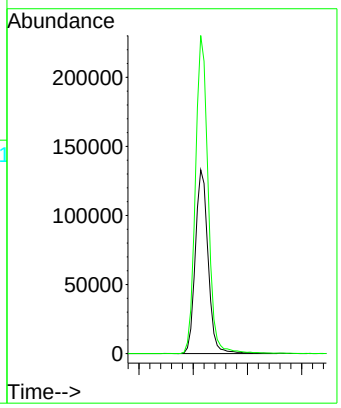
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

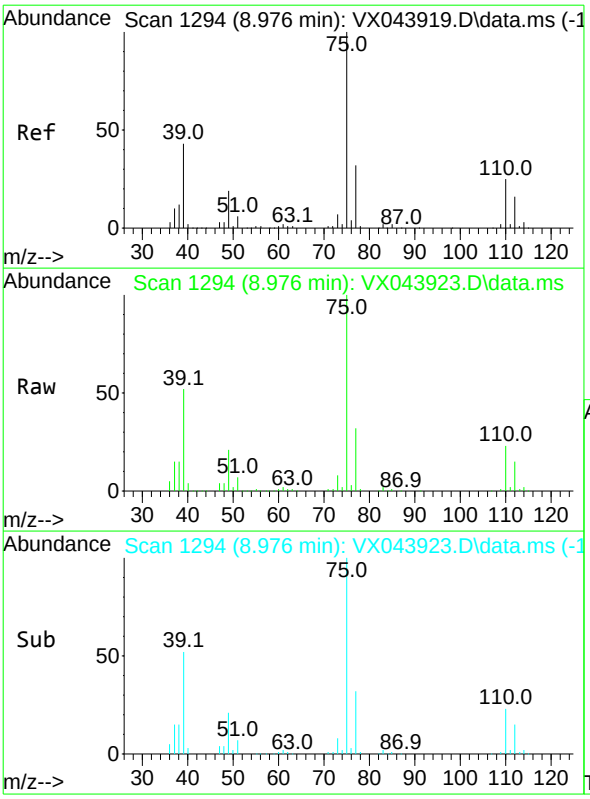


#52
Toluene
Concen: 57.032 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 92 Resp: 217080

Ion	Ratio	Lower	Upper
92	100		
91	171.9	136.2	204.4

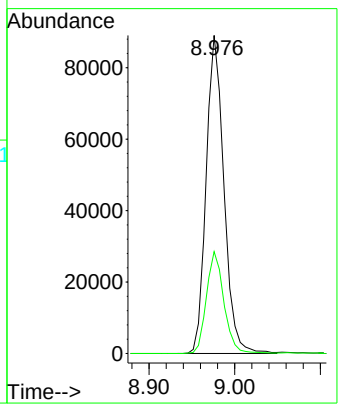




#53
t-1,3-Dichloropropene
Concen: 59.078 ug/l
RT: 8.976 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 75 Resp: 128331

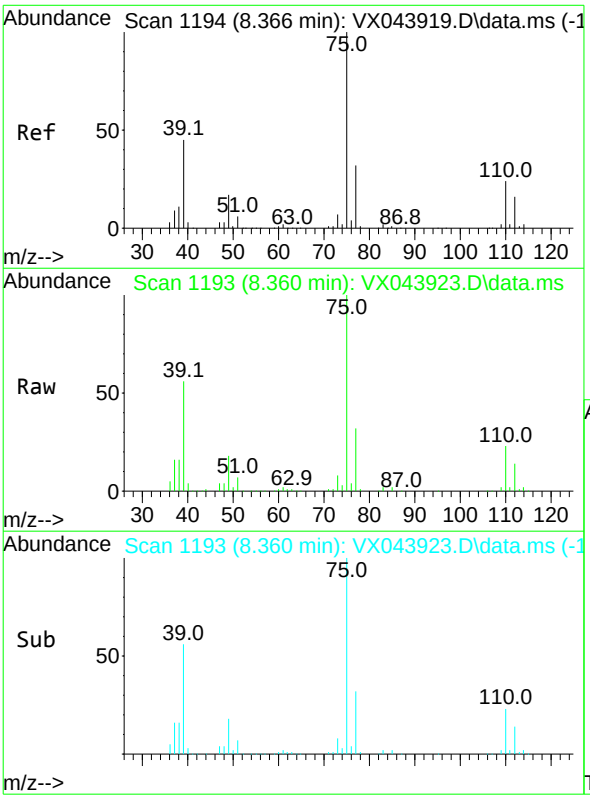
Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

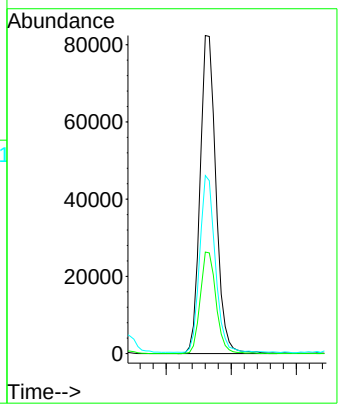
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

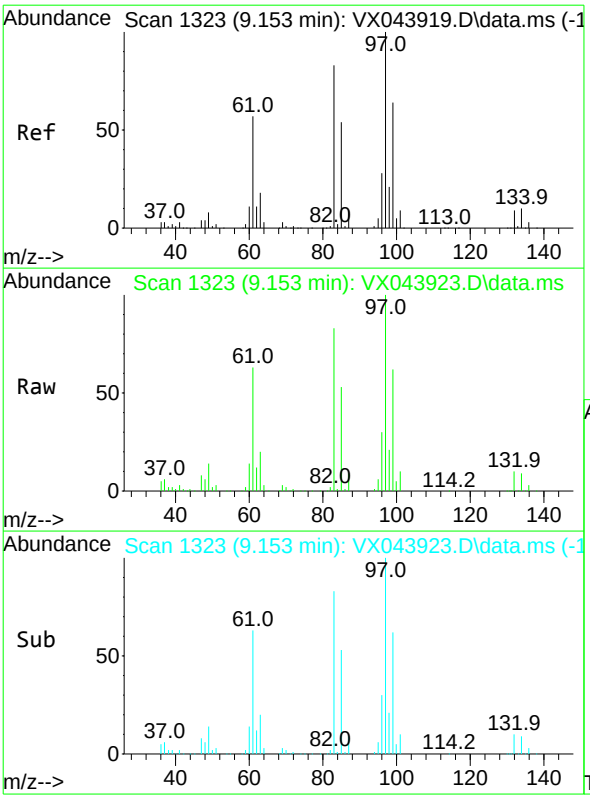


#54
cis-1,3-Dichloropropene
Concen: 56.813 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

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#

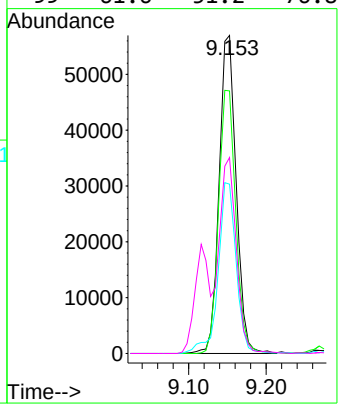




#55
1,1,2-Trichloroethane
Concen: 58.565 ug/l
RT: 9.153 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 97 Resp: 86975

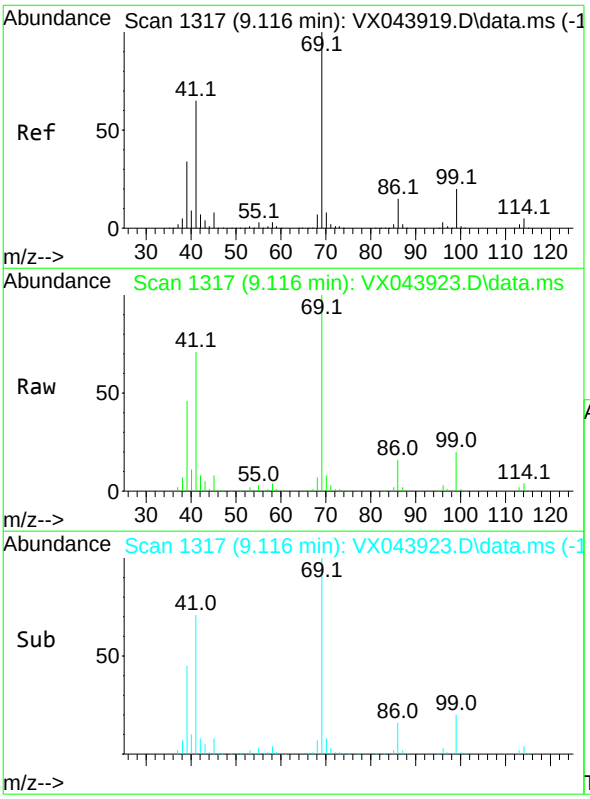
Ion	Ratio	Lower	Upper
97	100		
83	82.6	66.5	99.7
85	53.2	43.4	65.2
99	61.6	51.2	76.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations APPROVED

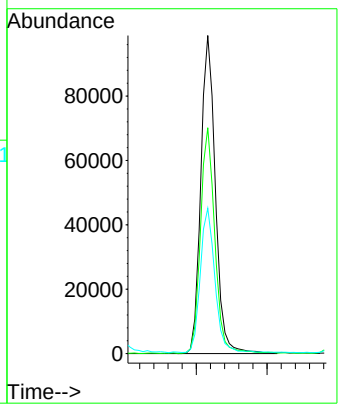
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

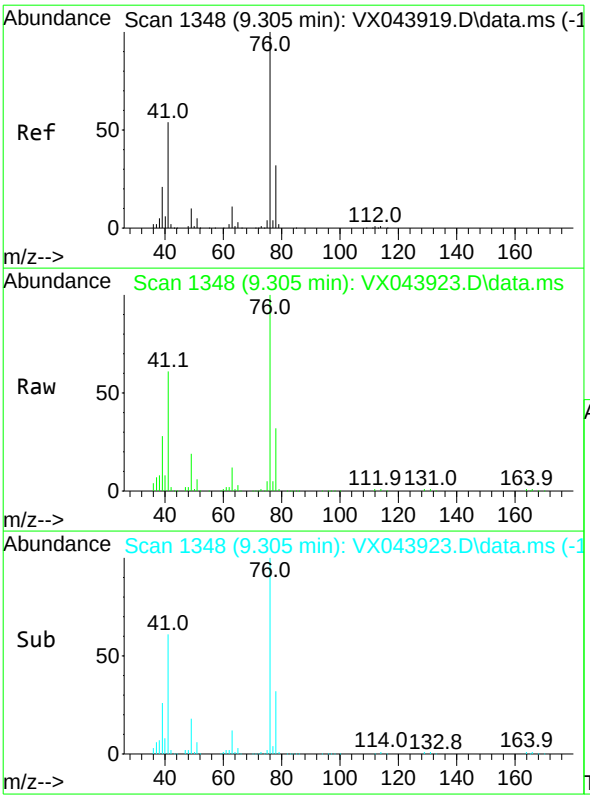


#56
Ethyl methacrylate
Concen: 60.268 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

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#

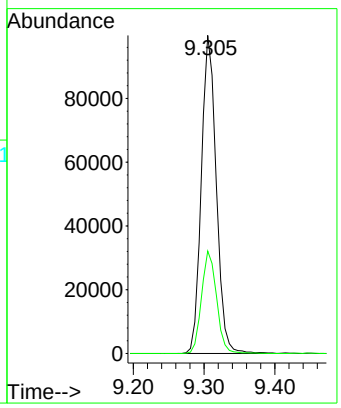




#57
1,3-Dichloropropane
Concen: 58.860 ug/l
RT: 9.305 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 76 Resp: 146448

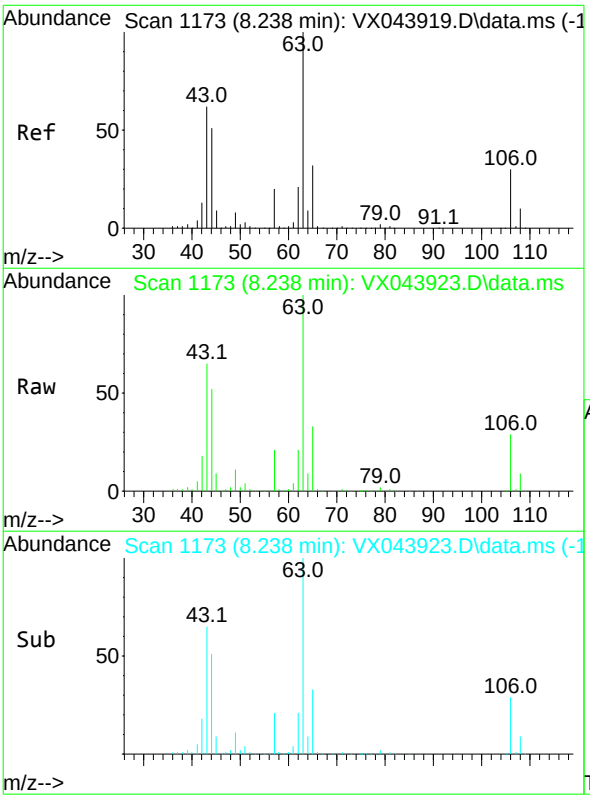
Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

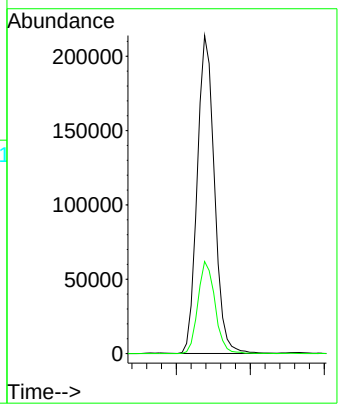
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

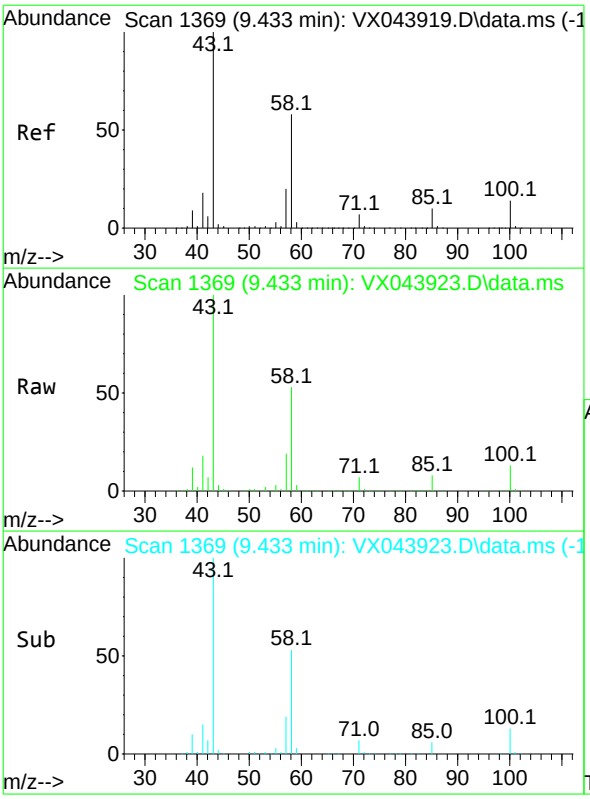


#58
2-Chloroethyl Vinyl ether
Concen: 280.598 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 63 Resp: 346010

Ion	Ratio	Lower	Upper
63	100		
106	28.7	23.8	35.6

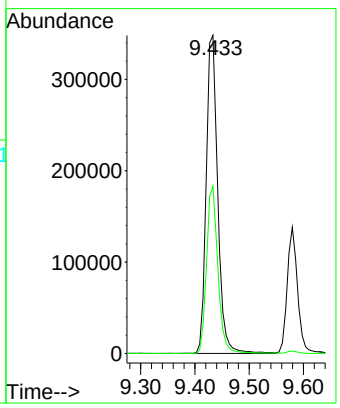




#59
2-Hexanone
Concen: 313.432 ug/l
RT: 9.433 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 43 Resp: 513732

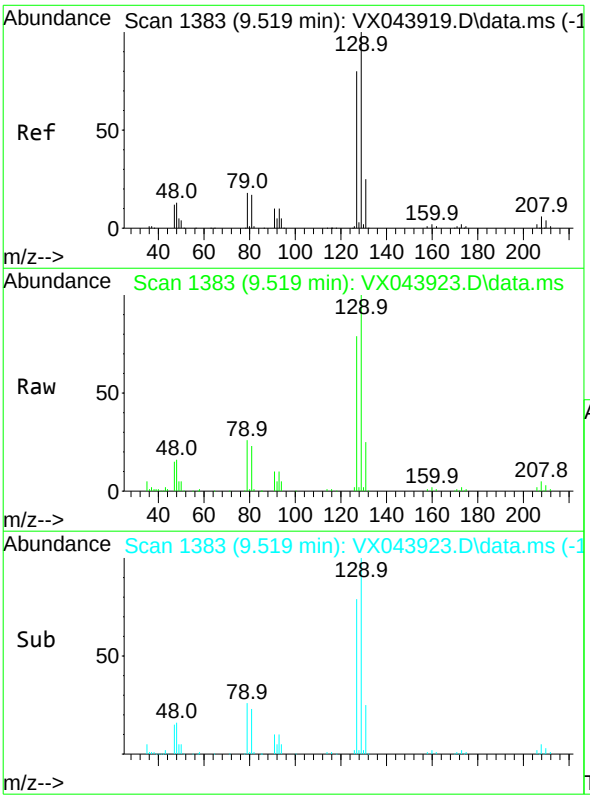
Ion	Ratio	Lower	Upper
43	100		
58	52.0	28.3	84.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

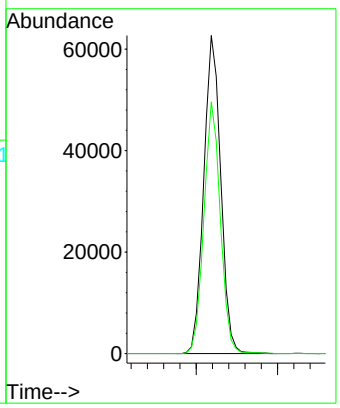
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

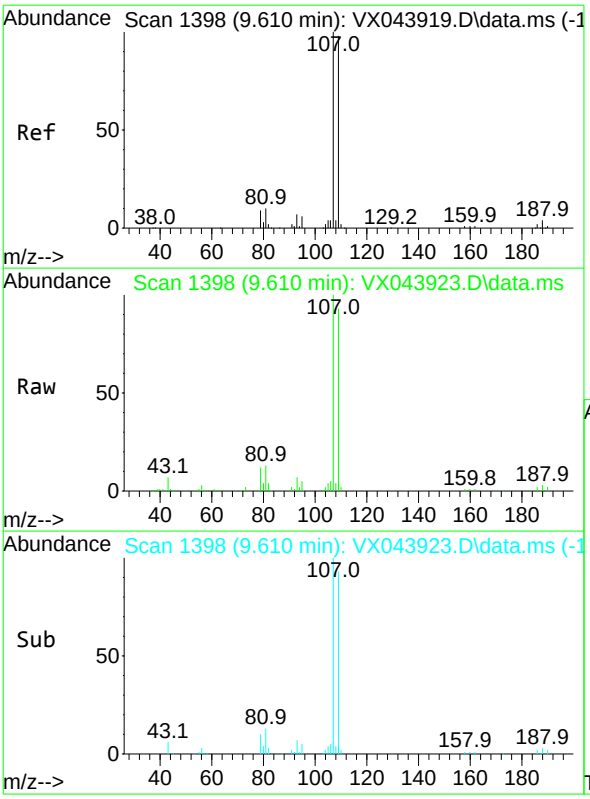


#60
Dibromochloromethane
Concen: 62.789 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion:129 Resp: 90863

Ion	Ratio	Lower	Upper
129	100		
127	76.7	38.6	115.8

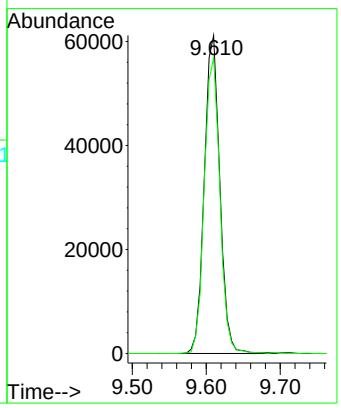




#61
1,2-Dibromoethane
Concen: 57.509 ug/l
RT: 9.610 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion:107 Resp: 89087

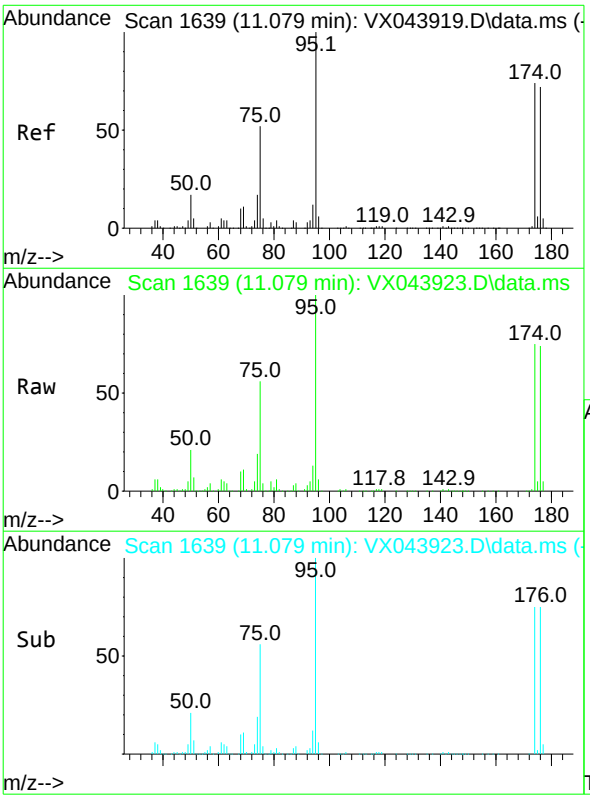
Ion	Ratio	Lower	Upper
107	100		
109	93.5	76.2	114.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

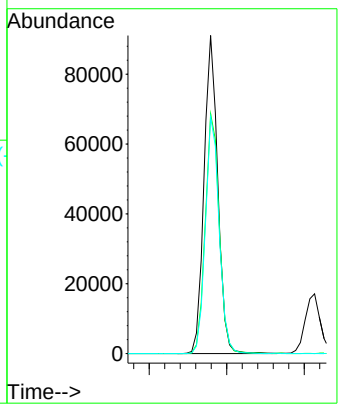
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

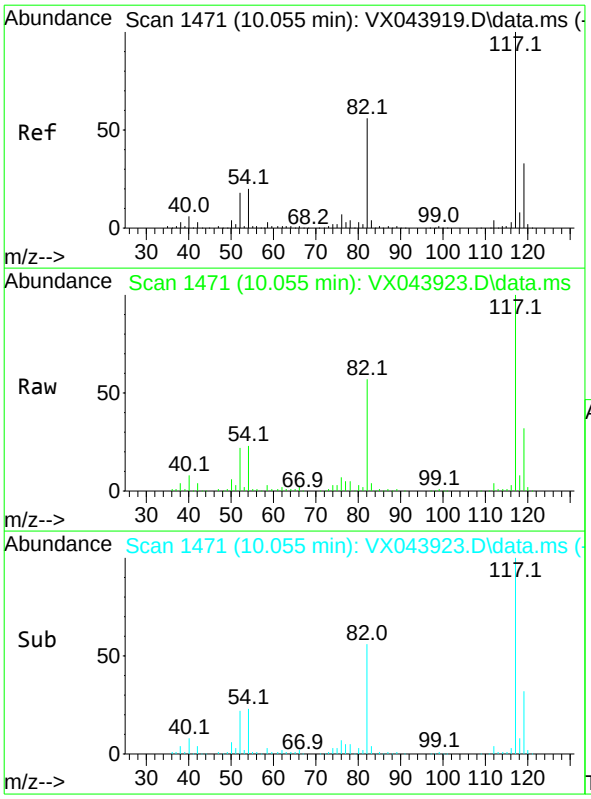


#62
4-Bromofluorobenzene
Concen: 60.492 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

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

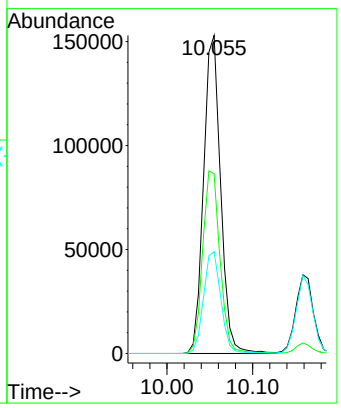




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion:117 Resp: 211620

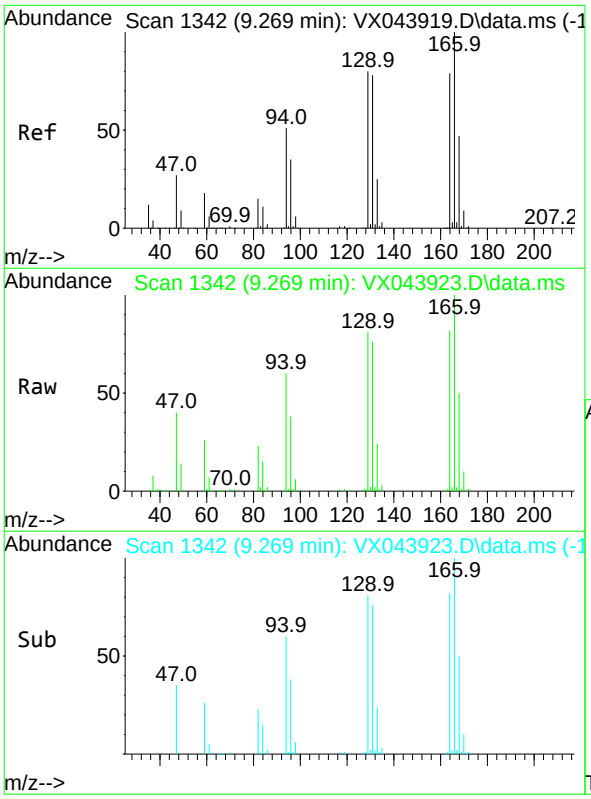
Ion	Ratio	Lower	Upper
117	100		
82	56.5	44.6	67.0
119	32.0	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

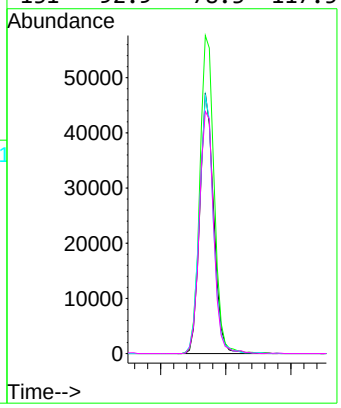
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

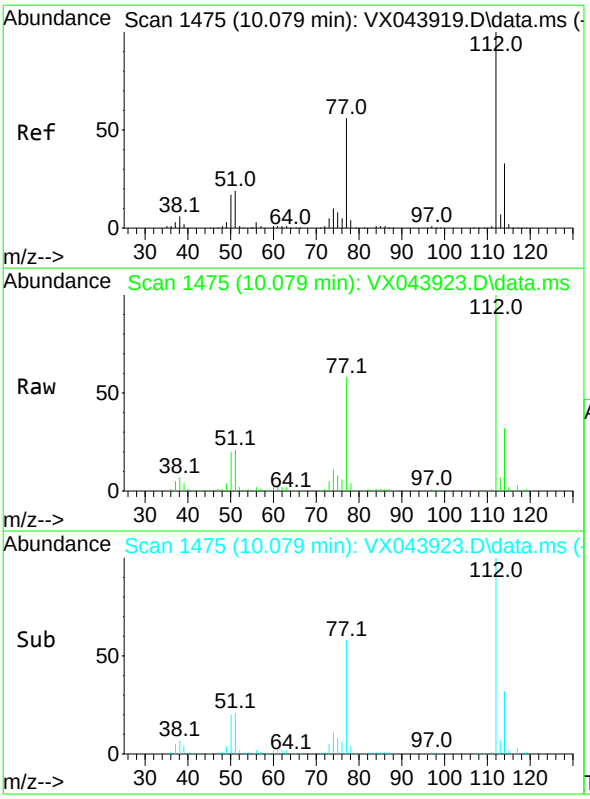


#64
Tetrachloroethene
Concen: 51.529 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

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

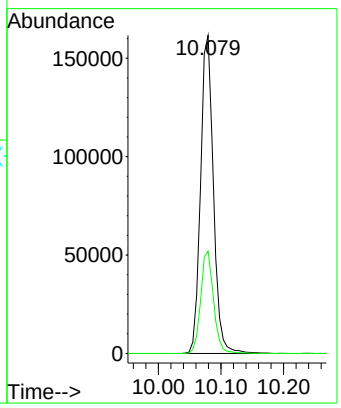




#65
Chlorobenzene
Concen: 52.143 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion:112 Resp: 230498

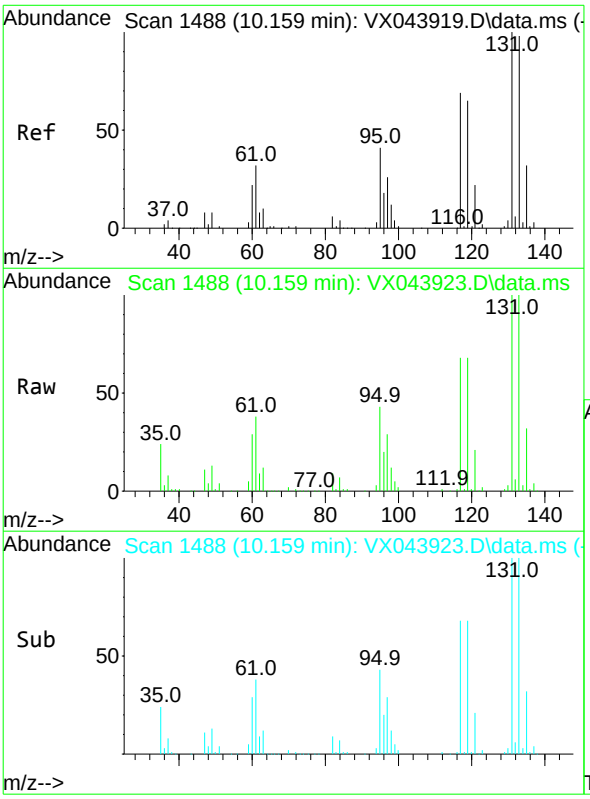
Ion	Ratio	Lower	Upper
112	100		
114	32.2	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

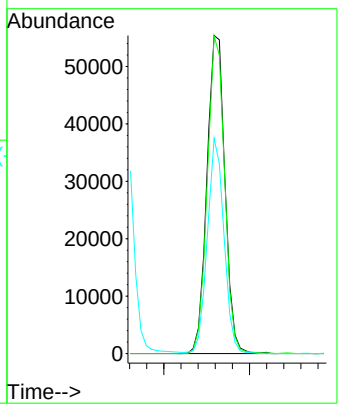
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

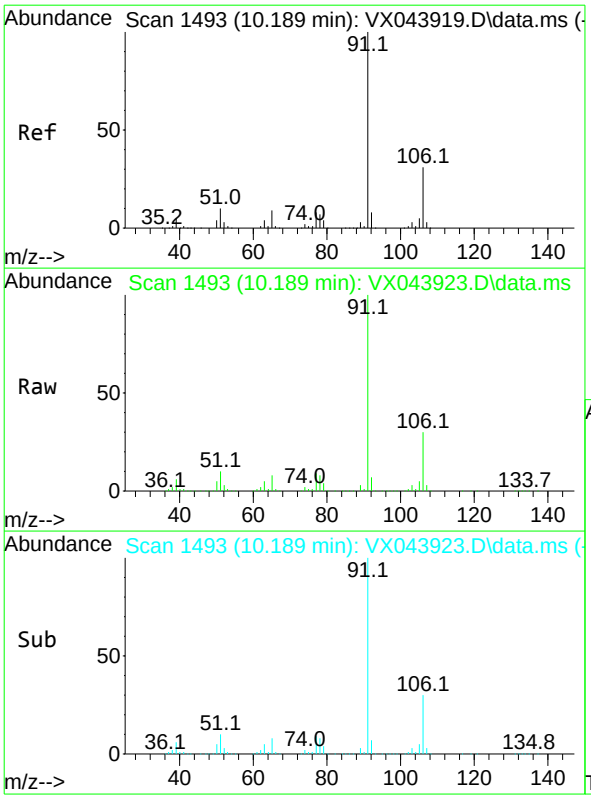


#66
1,1,1,2-Tetrachloroethane
Concen: 54.848 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

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

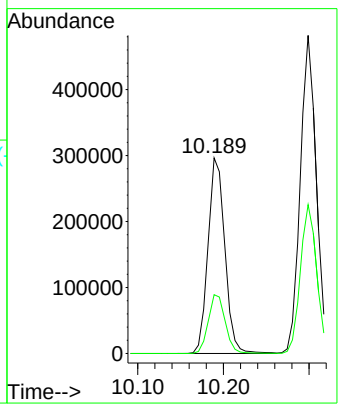
Tgt Ion: 91 Resp: 404866

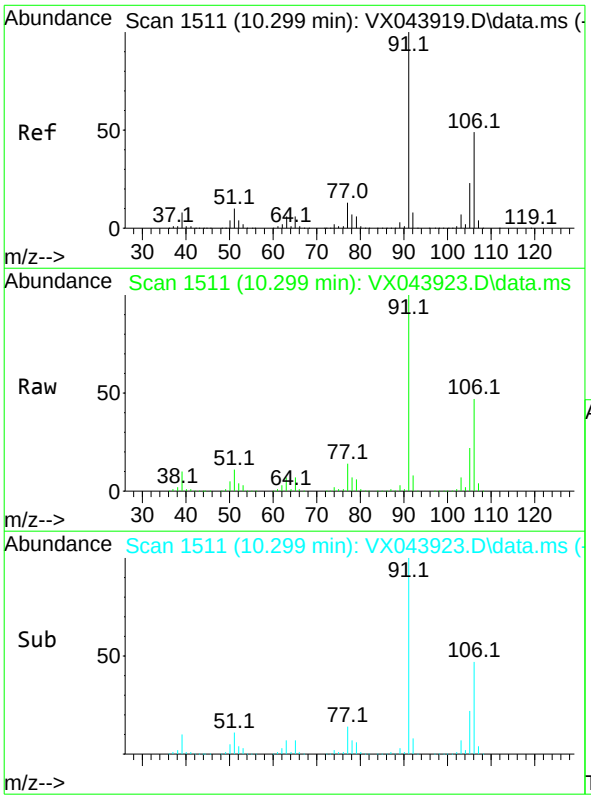
Ion	Ratio	Lower	Upper
91	100		
106	30.1	25.0	37.4

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

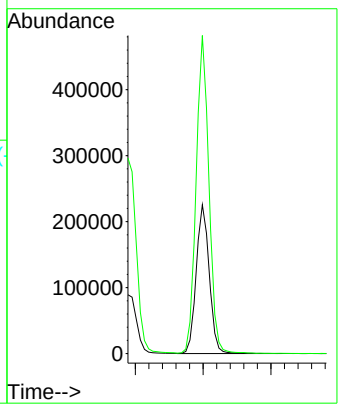


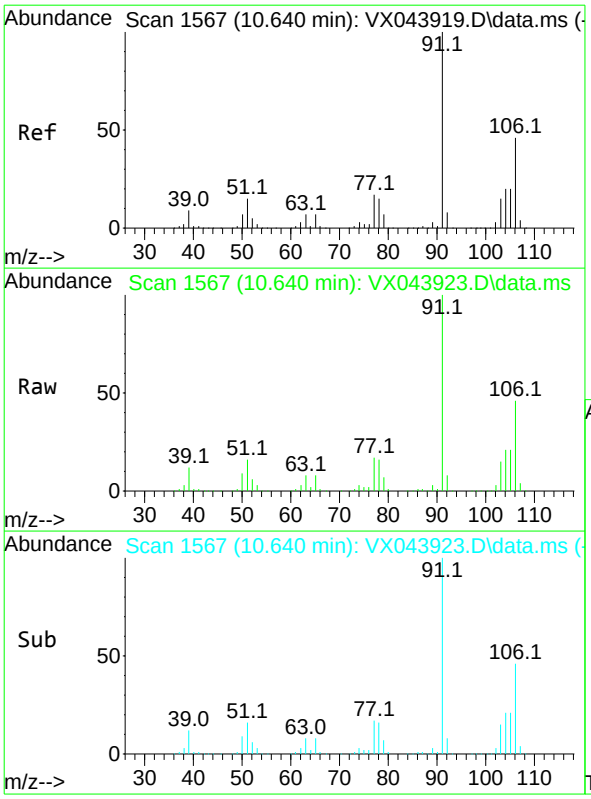


#68
m/p-Xylenes
Concen: 108.500 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

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

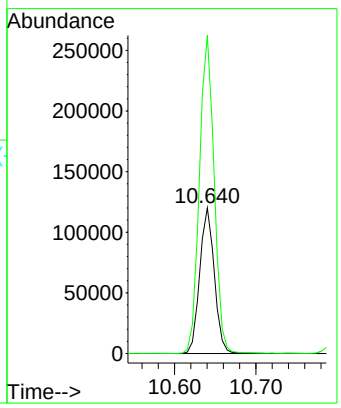
Tgt Ion:106 Resp: 149788

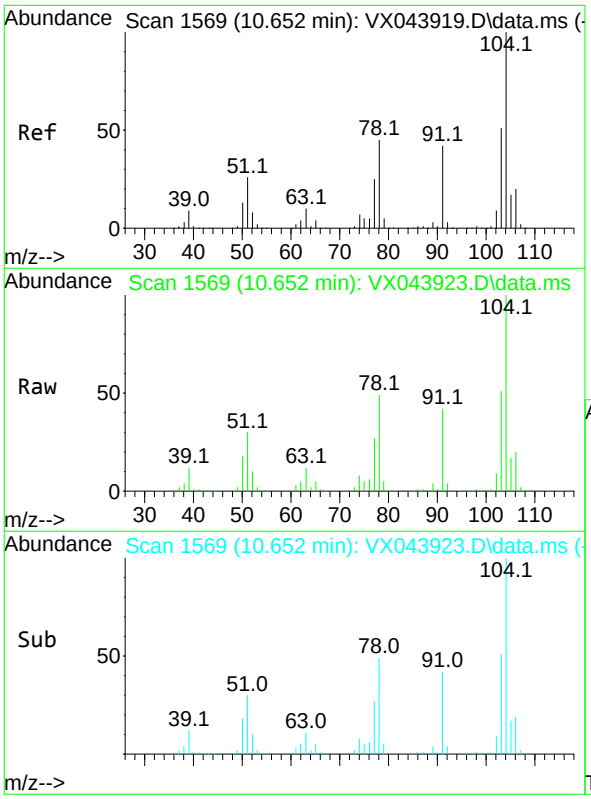
Ion	Ratio	Lower	Upper
106	100		
91	220.6	109.6	328.6

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

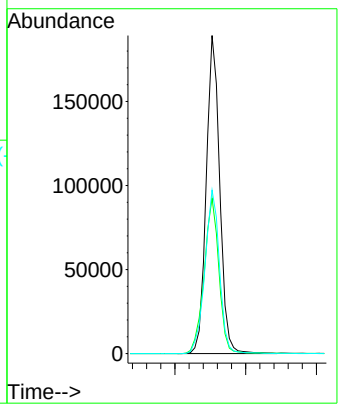


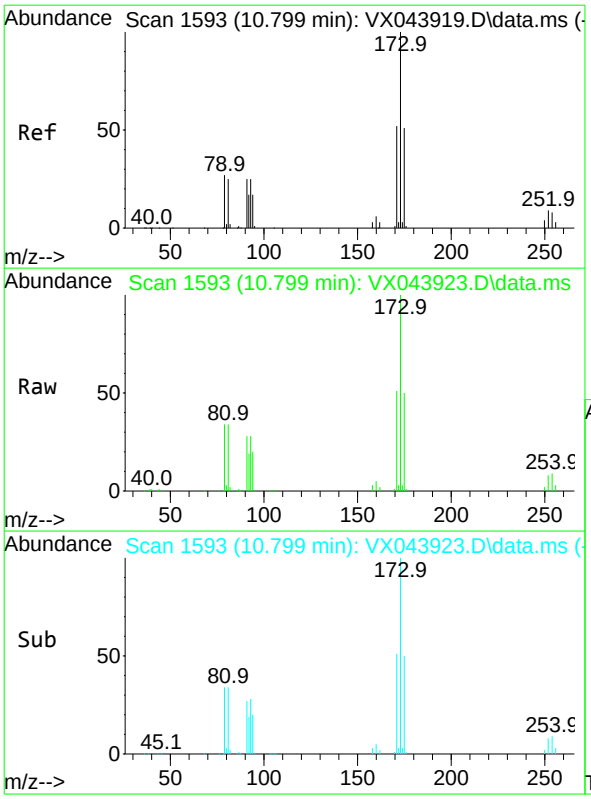


#70
Styrene
Concen: 56.236 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

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

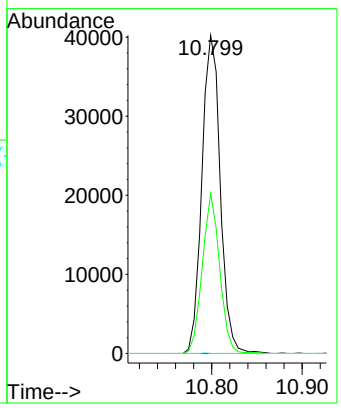




#71
Bromoform
Concen: 49.198 ug/l
RT: 10.799 min Scan# 15
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion:173 Resp: 56733

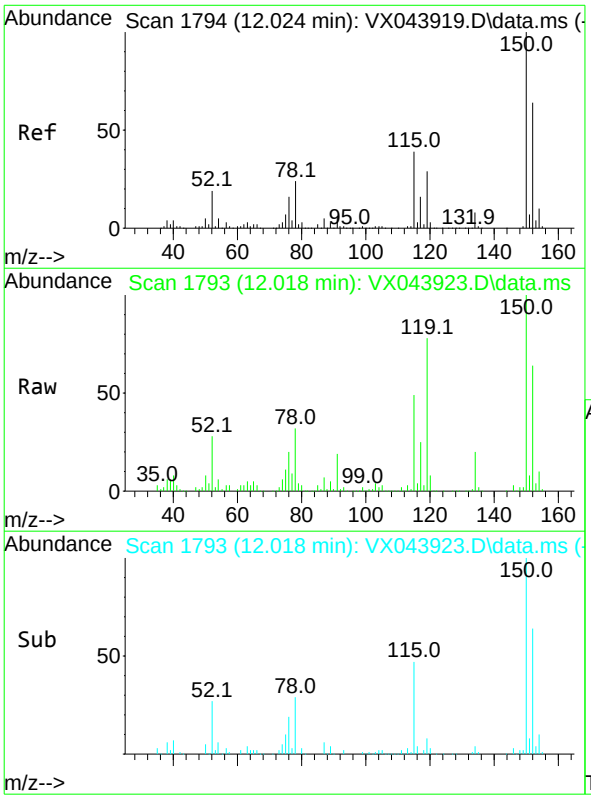
Ion	Ratio	Lower	Upper
173	100		
175	47.4	24.6	73.8
254	0.0	0.1	0.1#



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

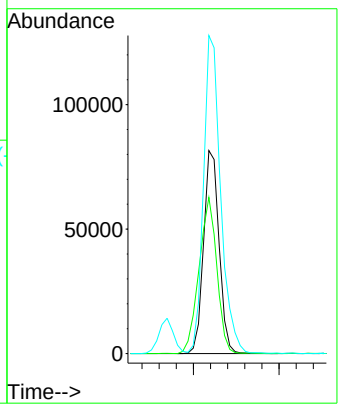
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

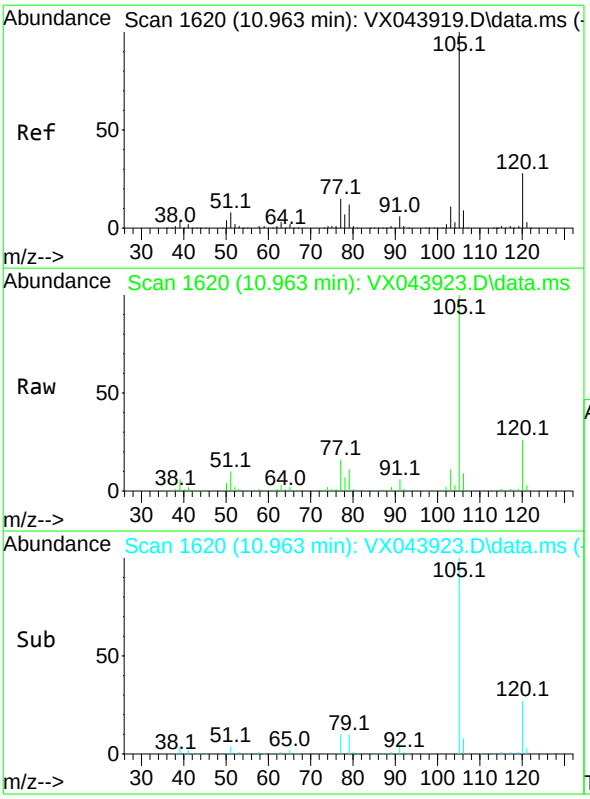


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

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

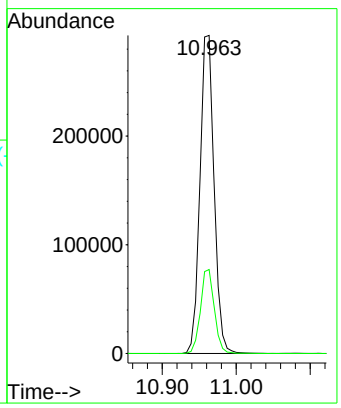




#73
Isopropylbenzene
Concen: 53.117 ug/l
RT: 10.963 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion:105 Resp: 387920

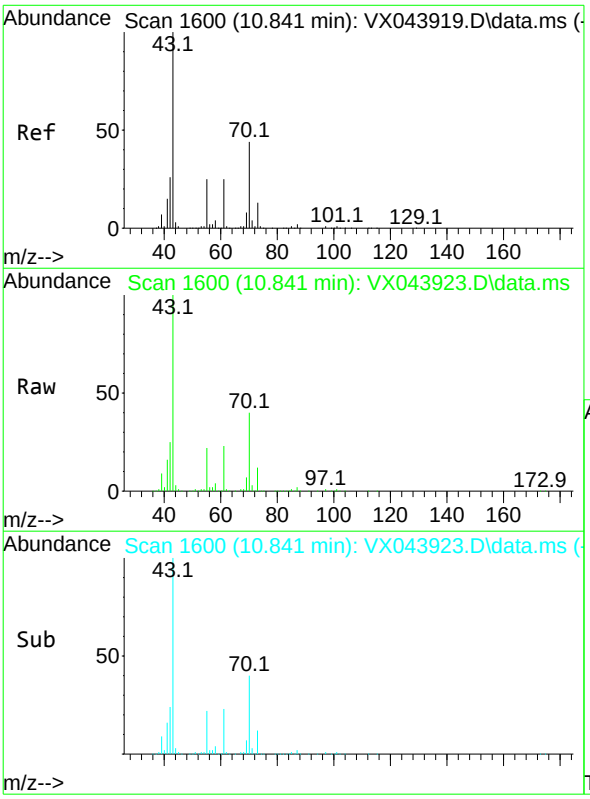
Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.3	39.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

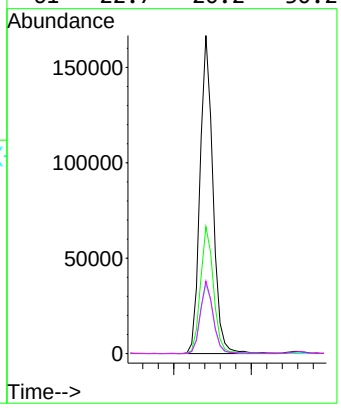
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

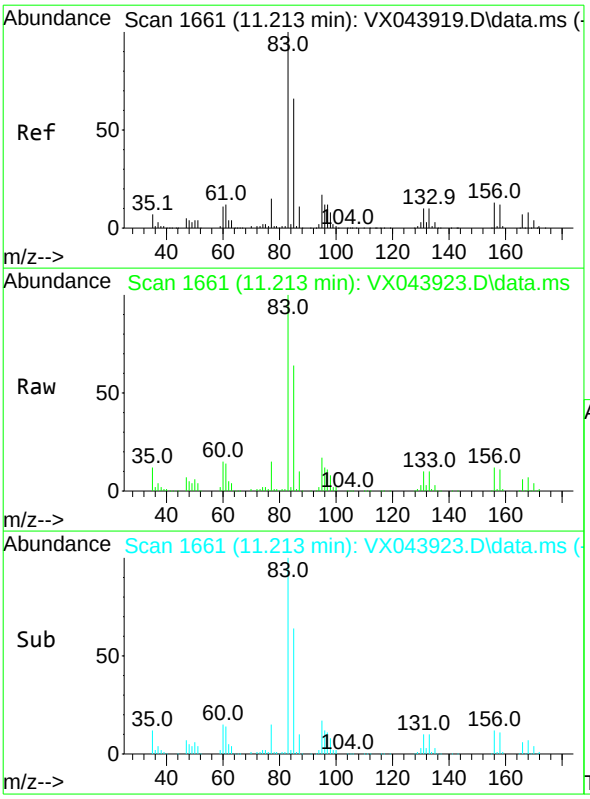


#74
N-amyl acetate
Concen: 51.587 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

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

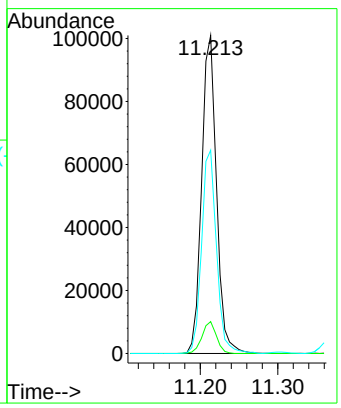




#75
1,1,2,2-Tetrachloroethane
Concen: 54.391 ug/l
RT: 11.213 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 83 Resp: 134303

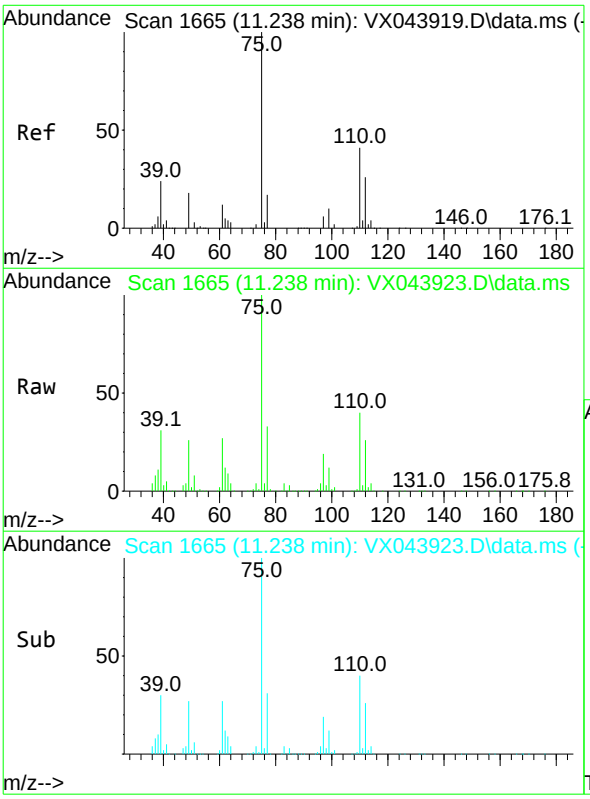
Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.1	15.3
85	64.2	32.3	96.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations APPROVED

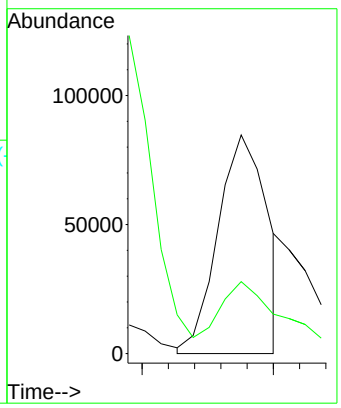
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

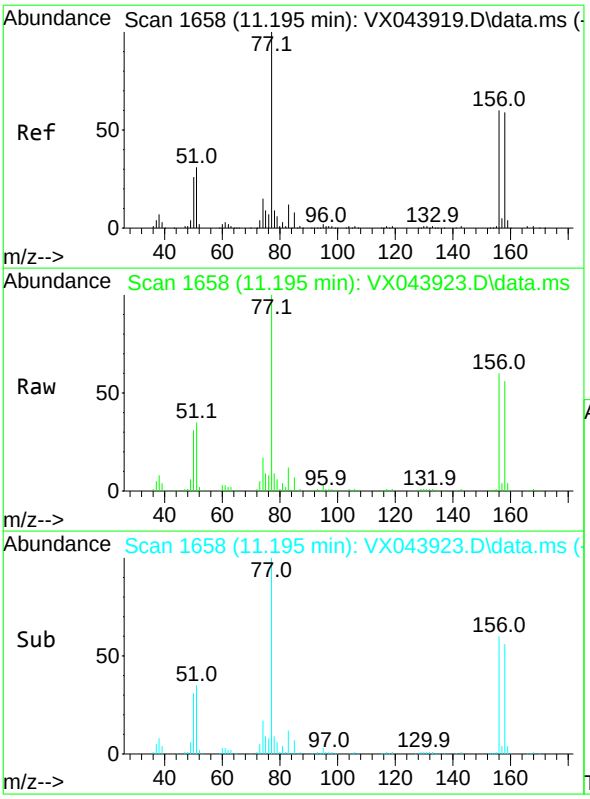


#76
1,2,3-Trichloropropane
Concen: 53.071 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 75 Resp: 110813

Ion	Ratio	Lower	Upper
75	100		
77	42.9	22.4	67.0

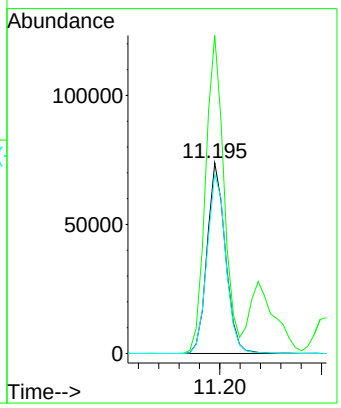




#77
Bromobenzene
Concen: 51.501 ug/l
RT: 11.195 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion:156 Resp: 92179

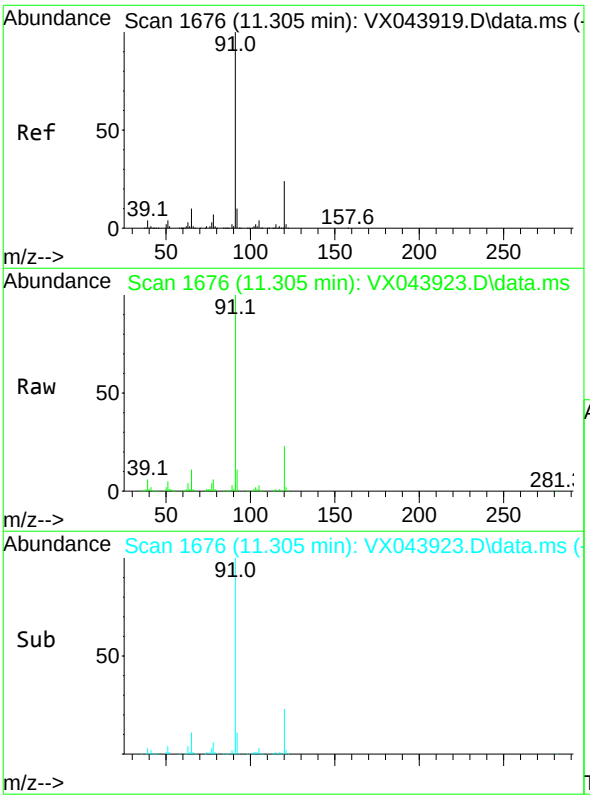
Ion	Ratio	Lower	Upper
156	100		
77	167.2	81.2	243.6
158	96.9	48.6	145.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

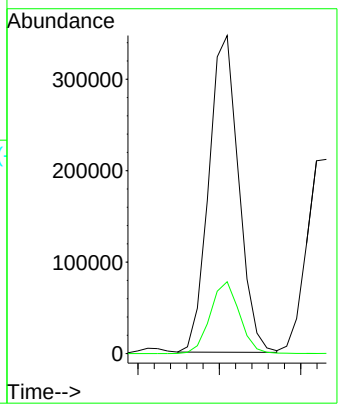
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

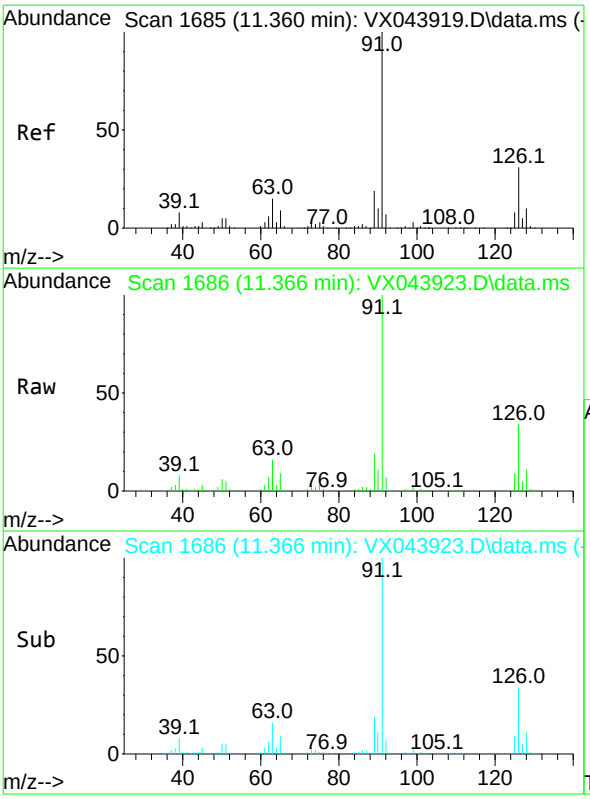


#78
n-propylbenzene
Concen: 54.835 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 91 Resp: 441866

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.5	34.5

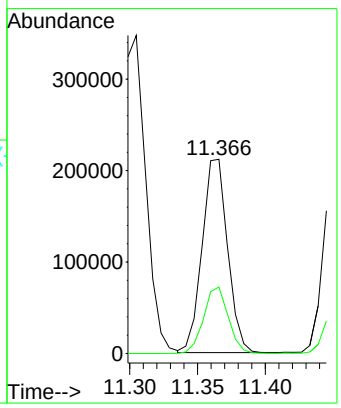




#79
2-Chlorotoluene
Concen: 54.025 ug/l
RT: 11.366 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 91 Resp: 277003

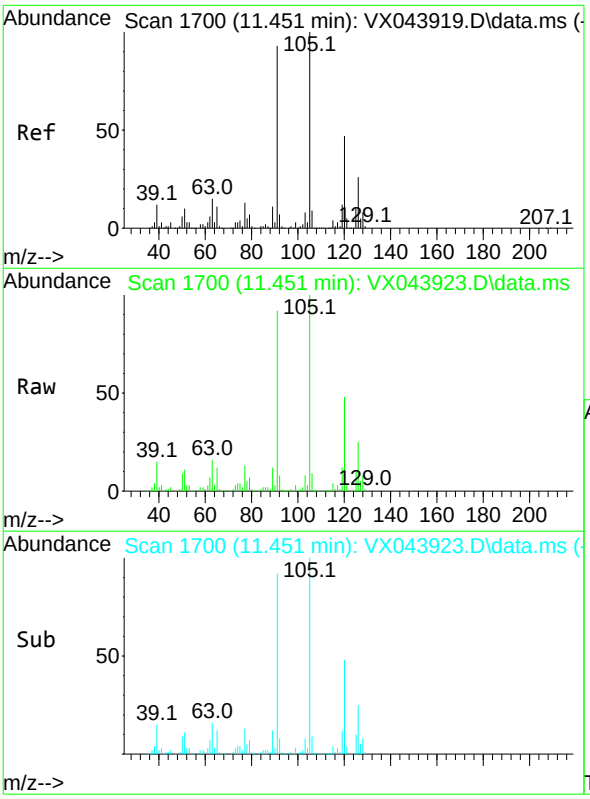
Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations APPROVED

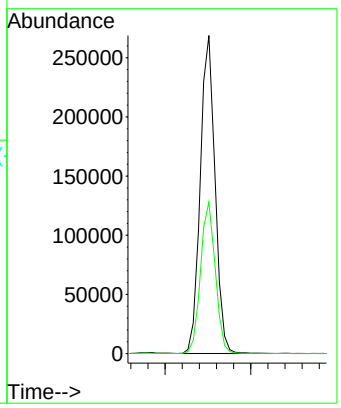
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

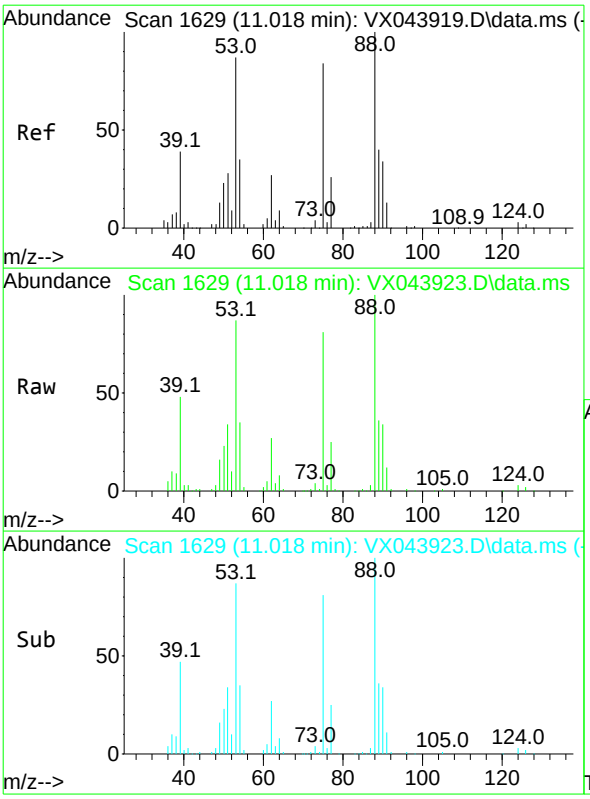


#80
1,3,5-Trimethylbenzene
Concen: 53.291 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

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

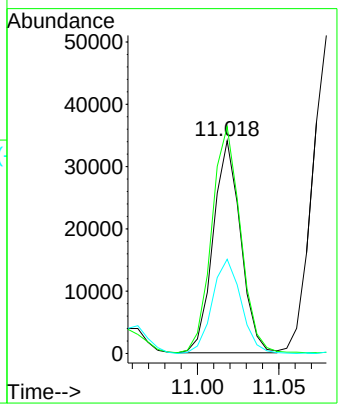
Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

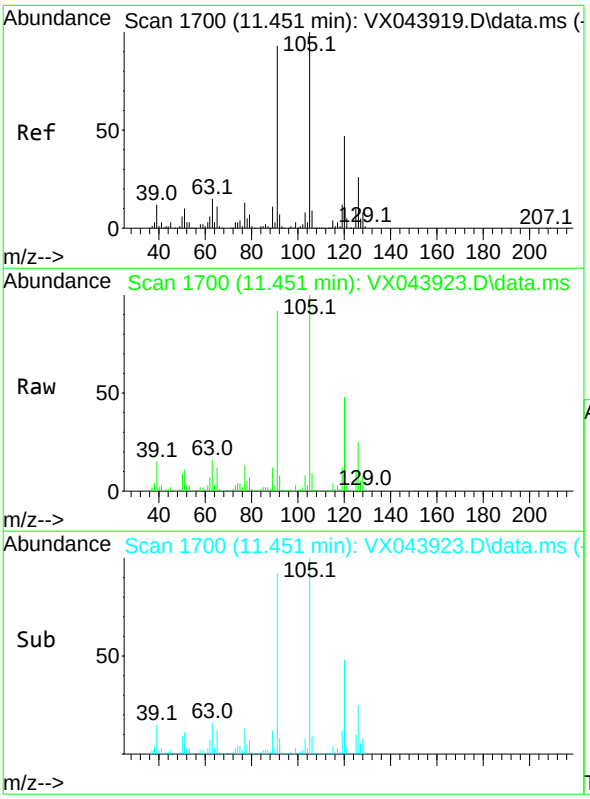
Tgt Ion: 75 Resp: 39924

Ion	Ratio	Lower	Upper
75	100		
53	111.9	81.7	122.5
89	46.9	38.6	57.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

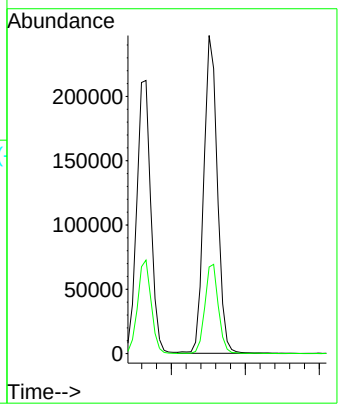


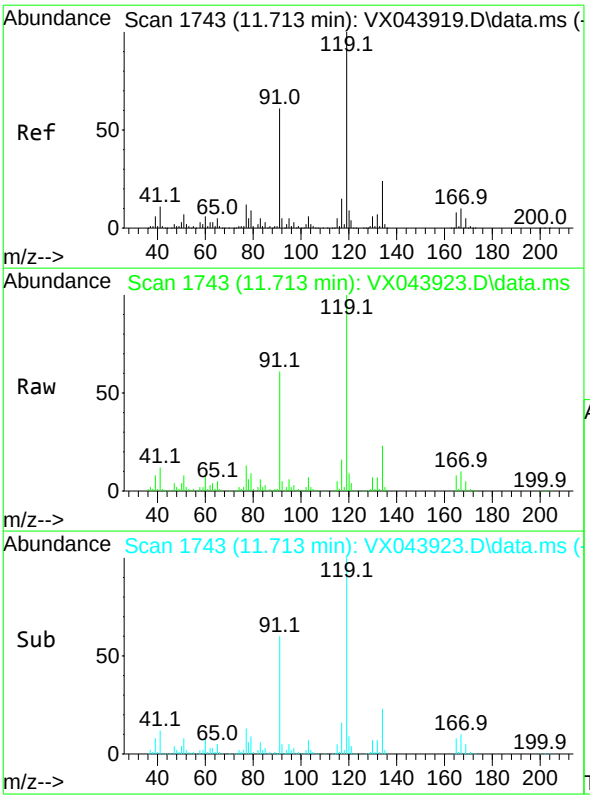


#82
4-Chlorotoluene
Concen: 53.165 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

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

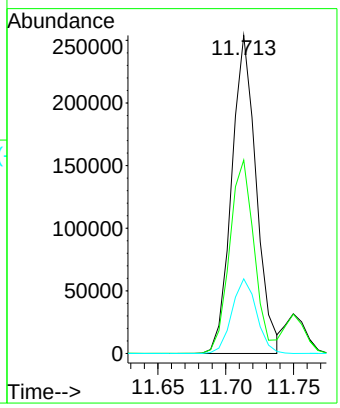
Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

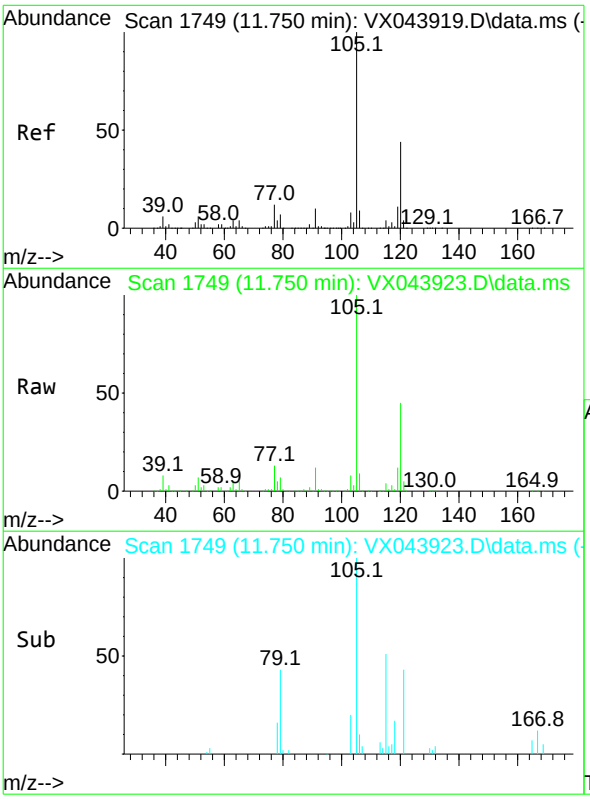
Tgt Ion:119 Resp: 320262

Ion	Ratio	Lower	Upper
119	100		
91	61.3	29.5	88.6
134	23.5	11.8	35.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

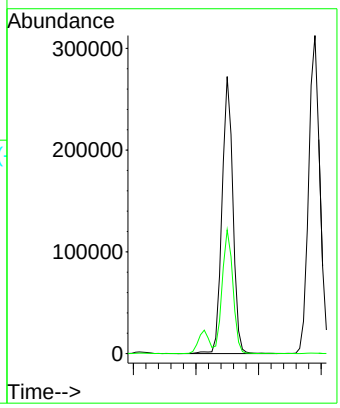


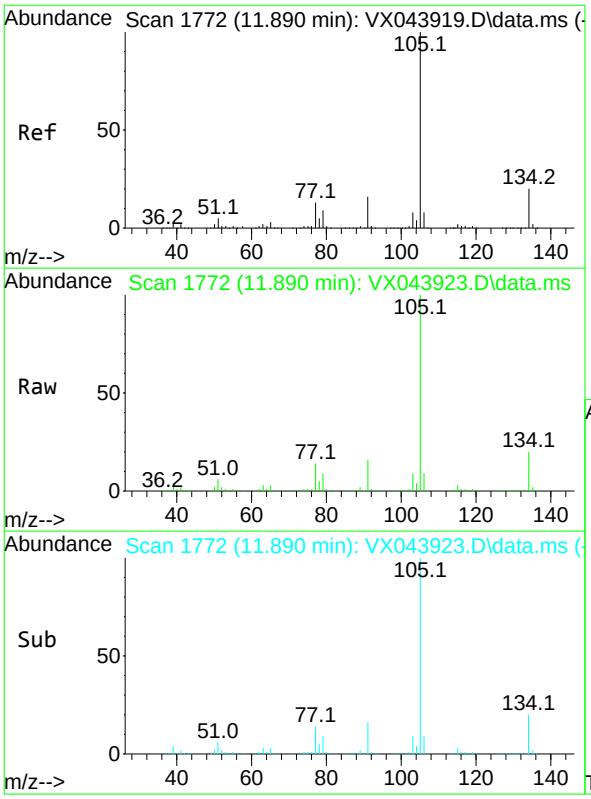


#84
1,2,4-Trimethylbenzene
Concen: 53.283 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

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

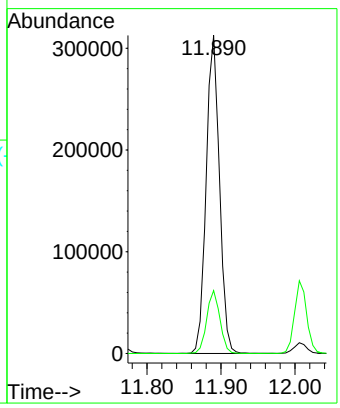
Tgt Ion:105 Resp: 389571

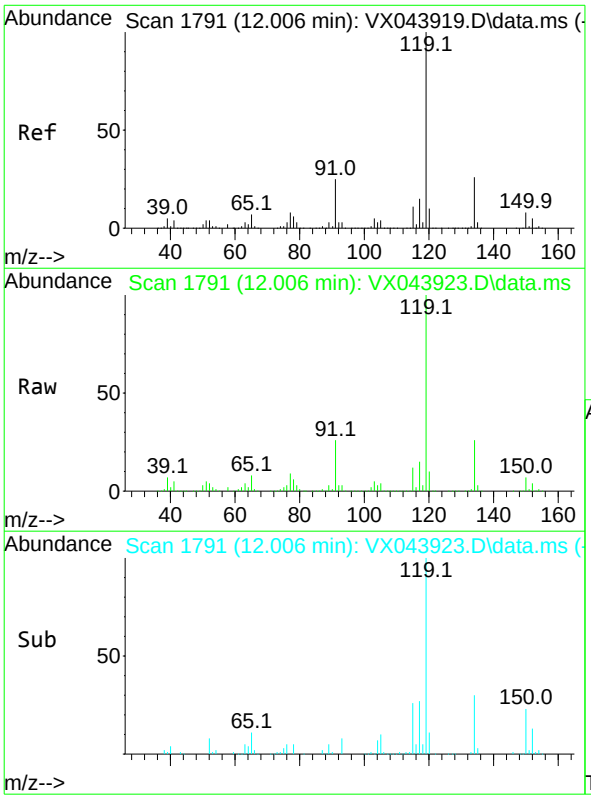
Ion	Ratio	Lower	Upper
105	100		
134	19.6	10.0	29.8

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

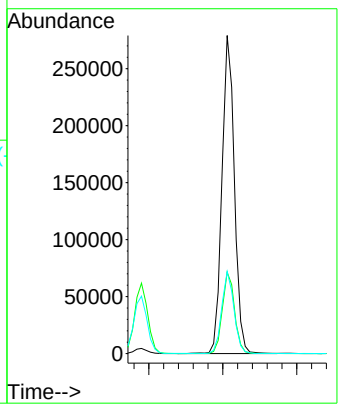


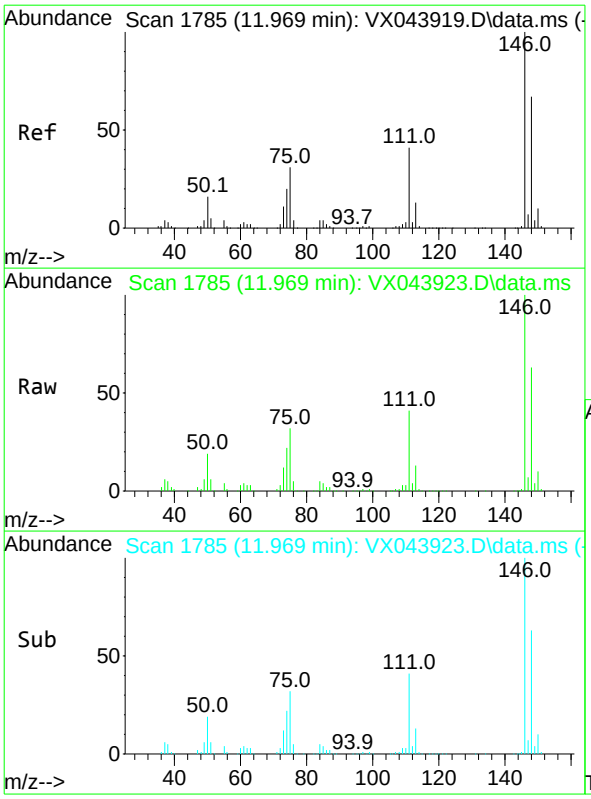


#86
p-Isopropyltoluene
Concen: 52.472 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

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

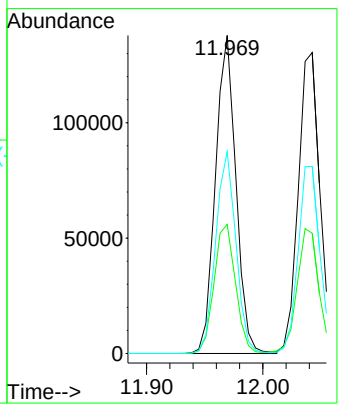
Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

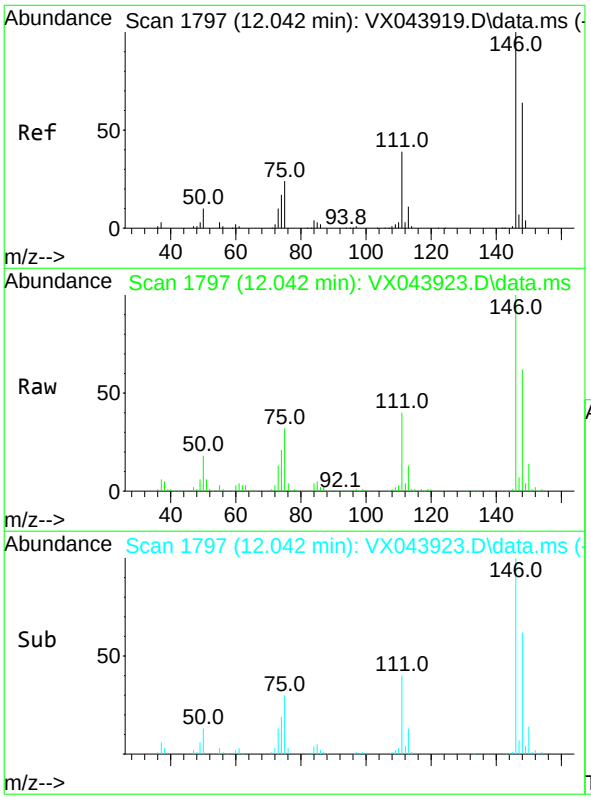
Tgt Ion:146 Resp: 168646

Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.8	62.2
148	62.9	31.8	95.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

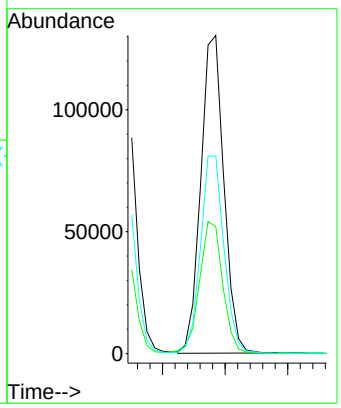


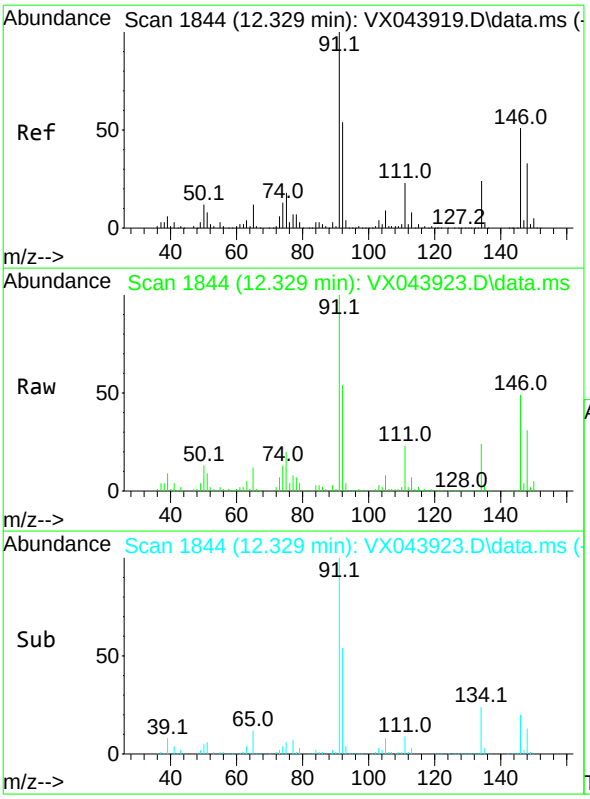


#88
1,4-Dichlorobenzene
Concen: 49.126 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

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

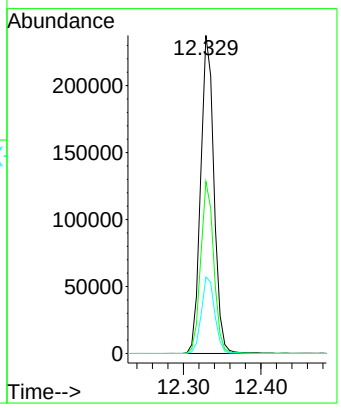




#89
n-Butylbenzene
Concen: 53.527 ug/l
RT: 12.329 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 91 Resp: 283194

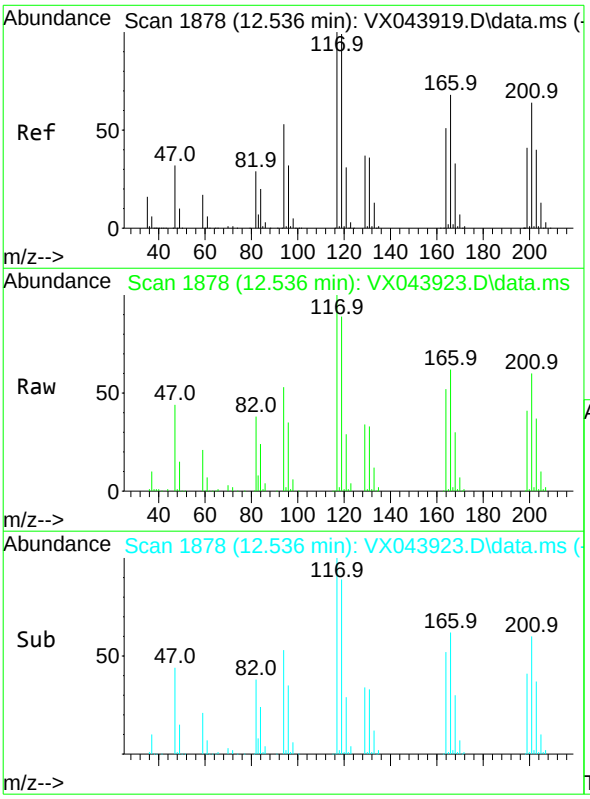
Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.9	80.6
134	24.3	12.9	38.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations APPROVED

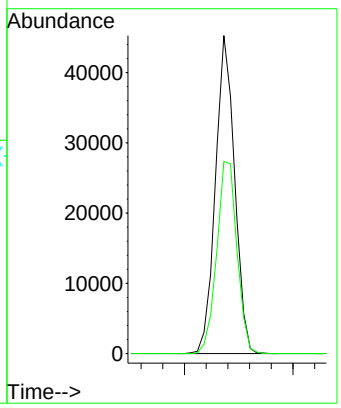
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

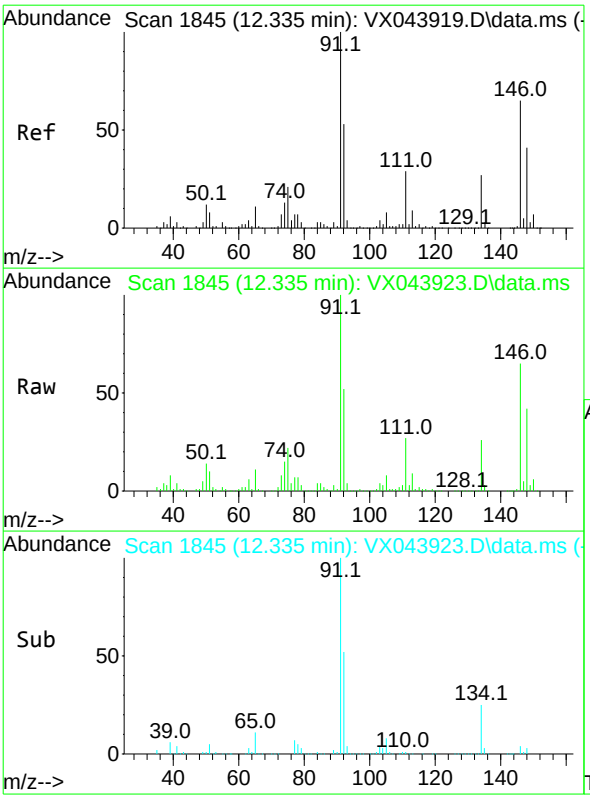


#90
Hexachloroethane
Concen: 46.087 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion:117 Resp: 55605

Ion	Ratio	Lower	Upper
117	100		
201	63.8	34.1	102.3

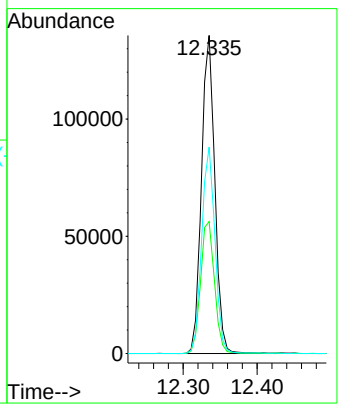




#91
1,2-Dichlorobenzene
Concen: 48.926 ug/l
RT: 12.335 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion:146 Resp: 169920

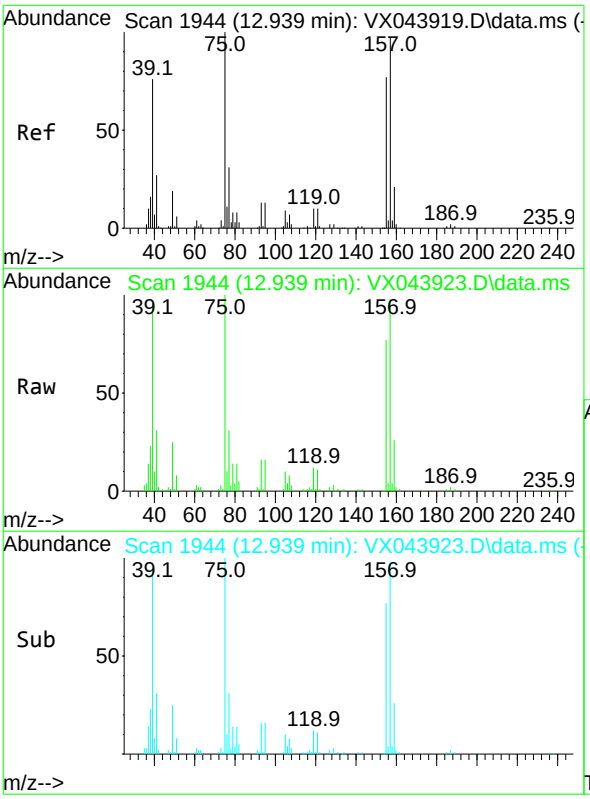
Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.7	65.1
148	65.0	31.6	94.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

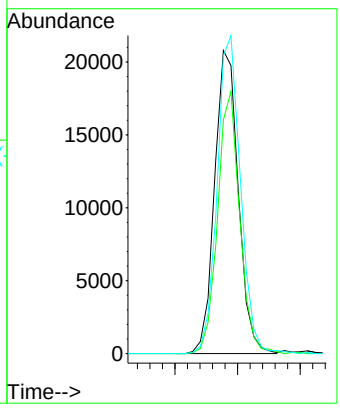
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

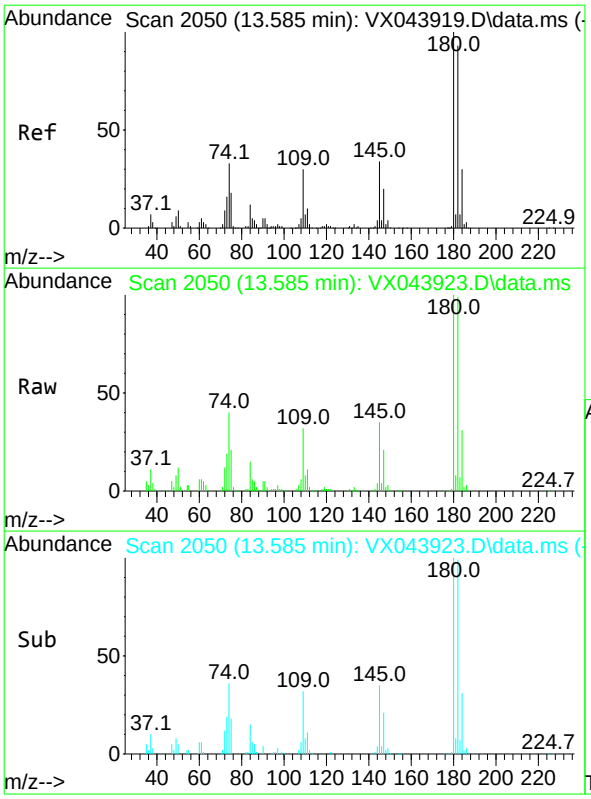


#92
1,2-Dibromo-3-Chloropropane
Concen: 45.200 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

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

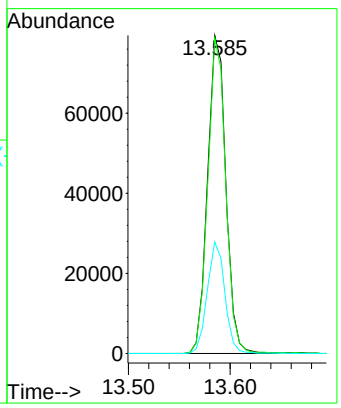
Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

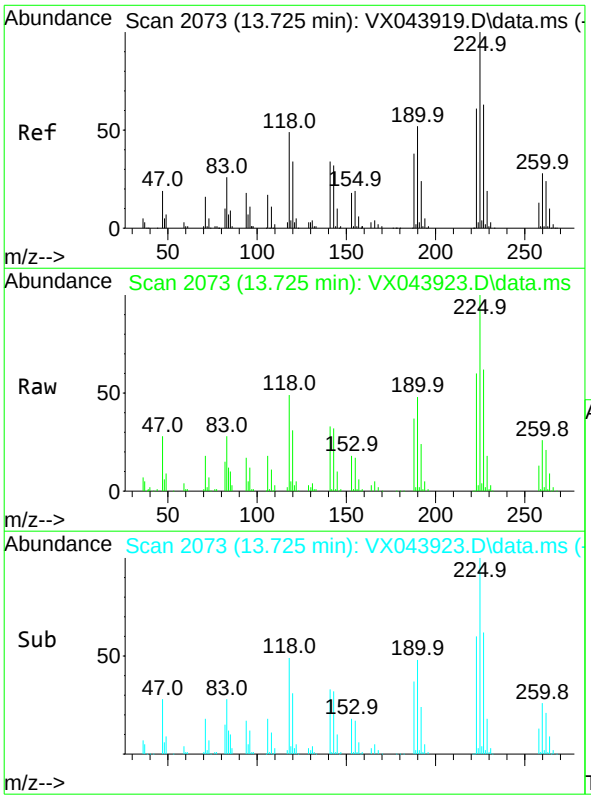
Tgt Ion:180 Resp: 98885

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

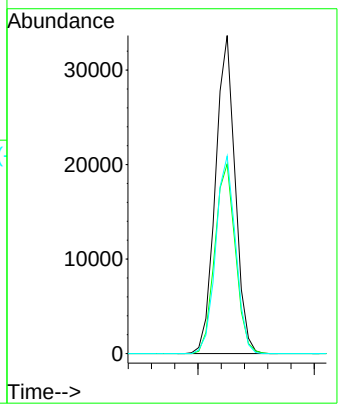


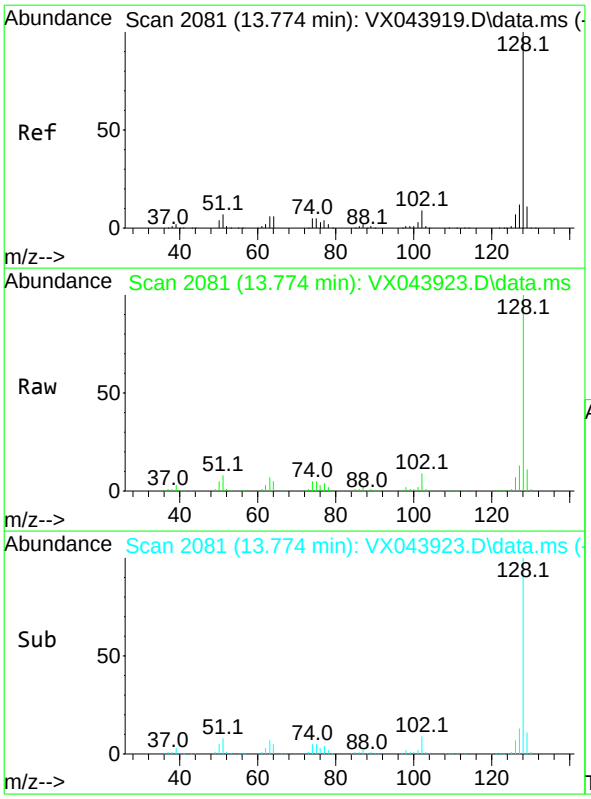


#94
Hexachlorobutadiene
Concen: 47.658 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

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

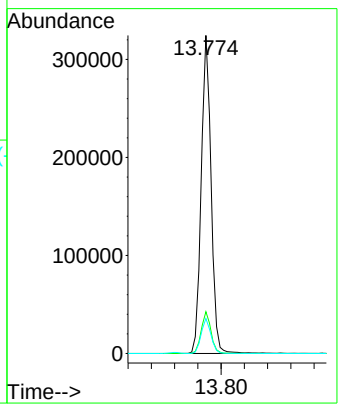




#95
Naphthalene
Concen: 50.468 ug/l
RT: 13.774 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion:128 Resp: 381936

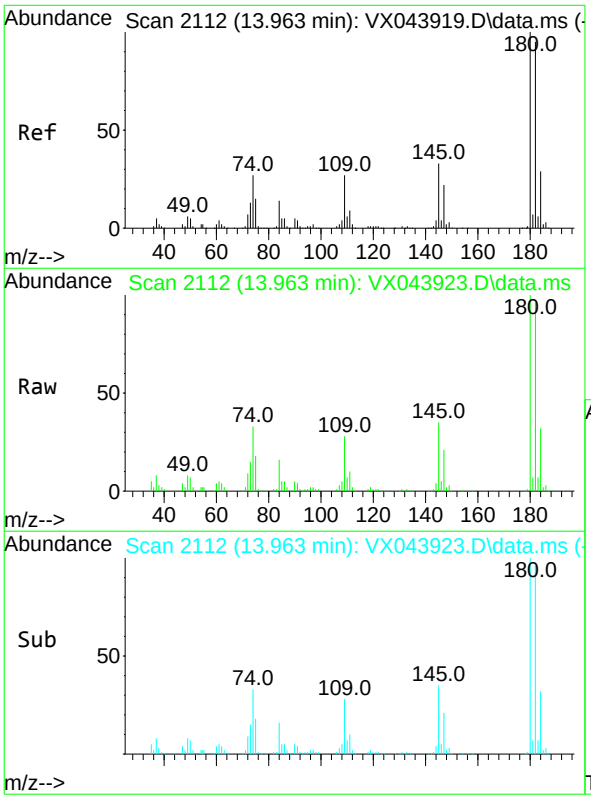
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.1	15.1
129	10.9	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

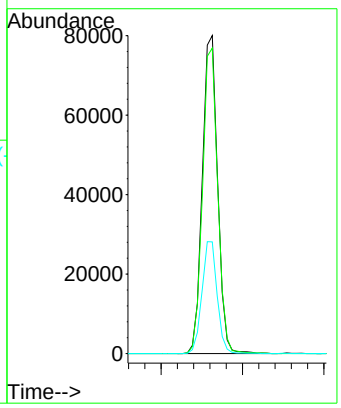
Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024



#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 (QT 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

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 22 03:27:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

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	0.000	65	0d	0.000	ug/l	
Spiked Amount 50.000	Range 74 - 125		Recovery =	0.000%#		
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	
Spiked Amount 50.000	Range 75 - 124		Recovery =	0.000%#		
50) Toluene-d8	0.000	98	0d	0.000	ug/l	
Spiked Amount 50.000	Range 86 - 113		Recovery =	0.000%#		
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount 50.000	Range 77 - 121		Recovery =	0.000%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	1889	1.001	ug/l	88
3) Chloromethane	1.295	50	1723	0.868	ug/l	90
4) Vinyl Chloride	1.374	62	2010	0.951	ug/l #	81
6) Chloroethane	1.666	64	1724	1.339	ug/l #	82
7) Trichlorofluoromethane	1.874	101	3093	0.819	ug/l	92
8) Diethyl Ether	2.136	74	1421	1.032	ug/l	75
9) 1,1,2-Trichlorotrifluo...	2.313	101	1764	0.979	ug/l	94
12) 1,1-Dichloroethene	2.300	96	1775	1.034	ug/l #	62
14) Allyl chloride	2.654	41	2371	0.845	ug/l	87
15) Acrylonitrile	3.063	53	4483	4.485	ug/l	95
16) Acetone	2.386	43	5977	5.093	ug/l #	86
17) Carbon Disulfide	2.502	76	3223	0.910	ug/l	99
18) Methyl Acetate	2.703	43	2775	1.015	ug/l	97
19) Methyl tert-butyl Ether	3.105	73	5162	0.828	ug/l	94
20) Methylene Chloride	2.782	84	2099	1.054	ug/l #	73
21) trans-1,2-Dichloroethene	3.081	96	1624	0.916	ug/l	97
22) Diisopropyl ether	3.751	45	4882	0.814	ug/l #	30
23) Vinyl Acetate	3.727	43	18541	3.613	ug/l	98
24) 1,1-Dichloroethane	3.593	63	2919	0.844	ug/l #	94
25) 2-Butanone	4.581	43	6676	4.408	ug/l	92
26) 2,2-Dichloropropane	4.459	77	2687	0.860	ug/l	86
27) cis-1,2-Dichloroethene	4.495	96	2007	0.916	ug/l	89
28) Bromochloromethane	4.904	49	1494m	0.981	ug/l	
29) Tetrahydrofuran	5.013	42	4264	4.593	ug/l	95
30) Chloroform	5.093	83	3187	0.856	ug/l #	76
32) 1,1,1-Trichloroethane	5.373	97	2600	0.810	ug/l #	46
36) 1,1-Dichloropropene	5.690	75	1993	0.859	ug/l #	80
37) Ethyl Acetate	4.733	43	2692m	0.935	ug/l	
38) Carbon Tetrachloride	5.660	117	2287	0.877	ug/l #	78
39) Methylcyclohexane	7.379	83	2835	0.941	ug/l	90
40) Benzene	6.032	78	6312	0.873	ug/l #	84
41) Methacrylonitrile	4.934	41	1141m	0.774	ug/l	
42) 1,2-Dichloroethane	6.086	62	2602	0.896	ug/l	84
43) Isopropyl Acetate	6.355	43	3881	0.847	ug/l #	90
44) Trichloroethene	7.123	130	2850	1.393	ug/l	82
45) 1,2-Dichloropropane	7.428	63	1503	0.849	ug/l	100

Quantitation Report (QT 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

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 22 03:27:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Dibromomethane	7.580	93	1246	0.890	ug/l		94
47) Bromodichloromethane	7.824	83	1819	0.724	ug/l	#	93
48) Methyl methacrylate	7.702	41	2017m	0.917	ug/l		
49) 1,4-Dioxane	7.671	88	613	16.166	ug/l	#	50
51) 4-Methyl-2-Pentanone	8.574	43	11392	4.073	ug/l		96
52) Toluene	8.714	92	3313	0.766	ug/l		82
53) t-1,3-Dichloropropene	8.988	75	1776	0.694	ug/l	#	86
54) cis-1,3-Dichloropropene	8.366	75	2132	0.759	ug/l	#	84
55) 1,1,2-Trichloroethane	9.153	97	1496	0.838	ug/l	#	85
56) Ethyl methacrylate	9.122	69	1973	0.709	ug/l	#	82
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		93
59) 2-Hexanone	9.439	43	7726	3.675	ug/l		99
60) Dibromochloromethane	9.519	129	1296	0.723	ug/l		93
61) 1,2-Dibromoethane	9.610	107	1342	0.743	ug/l	#	80
64) Tetrachloroethene	9.269	164	1329	0.924	ug/l		88
65) Chlorobenzene	10.073	112	4585	0.957	ug/l	#	86
66) 1,1,1,2-Tetrachloroethane	10.165	131	1136	0.731	ug/l	#	66
67) Ethyl Benzene	10.195	91	6890	0.848	ug/l	#	86
68) m/p-Xylenes	10.305	106	5324	1.758	ug/l		95
69) o-Xylene	10.640	106	2370	0.801	ug/l		95
70) Styrene	10.665	104	3751	0.767	ug/l		97
71) Bromoform	10.799	173	632	1.756	ug/l	#	87
73) Isopropylbenzene	10.964	105	6379	0.894	ug/l		94
74) N-amyl acetate	10.848	43	2319	0.701	ug/l		93
75) 1,1,2,2-Tetrachloroethane	11.214	83	2224	0.910	ug/l		83
76) 1,2,3-Trichloropropane	11.244	75	1603m	0.801	ug/l		
77) Bromobenzene	11.201	156	1475	0.866	ug/l		94
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		96
82) 4-Chlorotoluene	11.457	91	4940	0.868	ug/l		94
83) tert-Butylbenzene	11.713	119	4794	0.824	ug/l		96
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		94
86) p-Isopropyltoluene	12.012	119	4187	0.723	ug/l		87
87) 1,3-Dichlorobenzene	11.969	146	2934	0.946	ug/l		93
88) 1,4-Dichlorobenzene	12.043	146	3212m	1.020	ug/l		
89) n-Butylbenzene	12.335	91	3522	0.690	ug/l		93
90) Hexachloroethane	12.536	117	835	0.848	ug/l		86
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		65
93) 1,2,4-Trichlorobenzene	13.597	180	1576	0.854	ug/l		78
94) Hexachlorobutadiene	13.725	225	709	0.972	ug/l		89
95) Naphthalene	13.780	128	4837	0.728	ug/l		99
96) 1,2,3-Trichlorobenzene	13.963	180	1398	0.749	ug/l		81

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

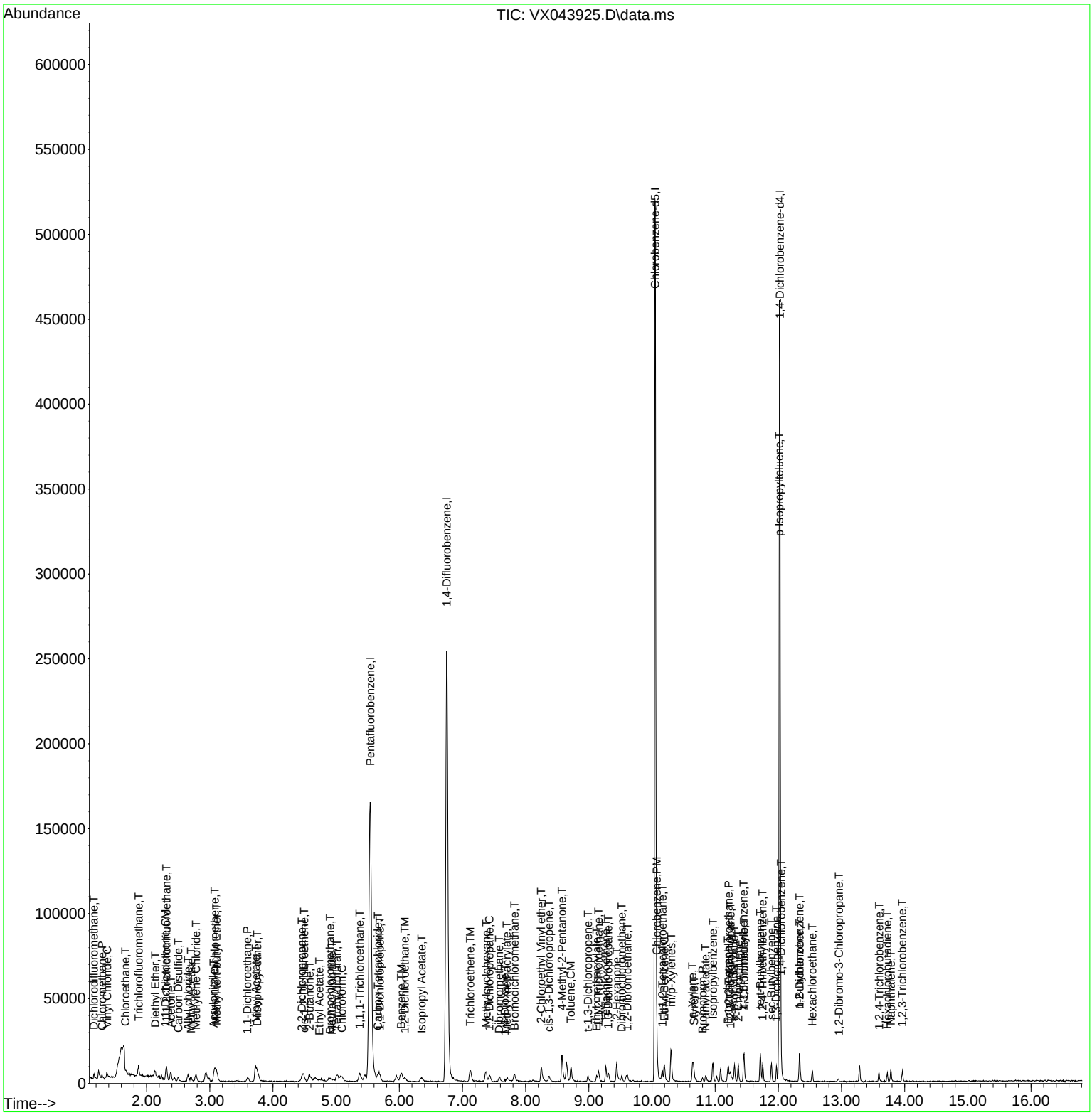
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043925.D
Acq On : 21 Nov 2024 09:47
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

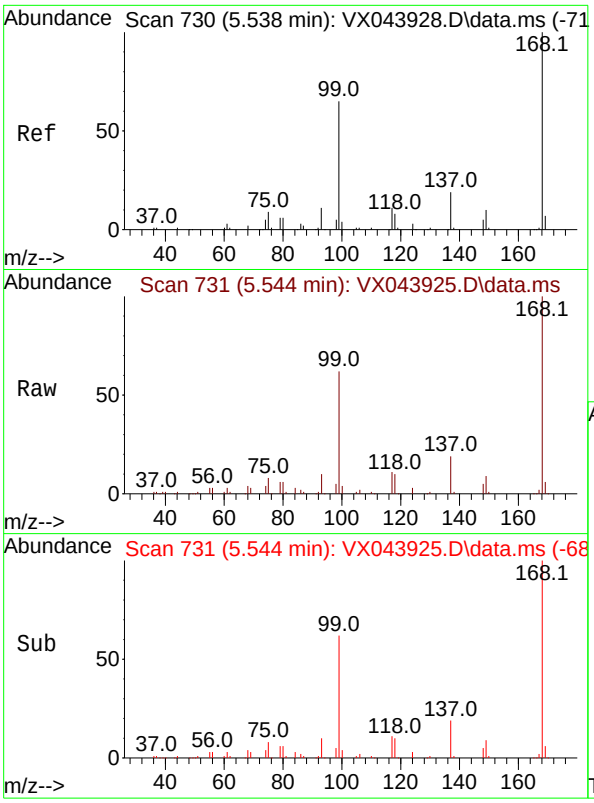
Quant Time: Nov 22 03:27:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

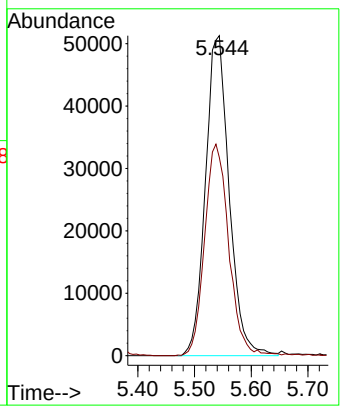




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:168 Resp: 14898

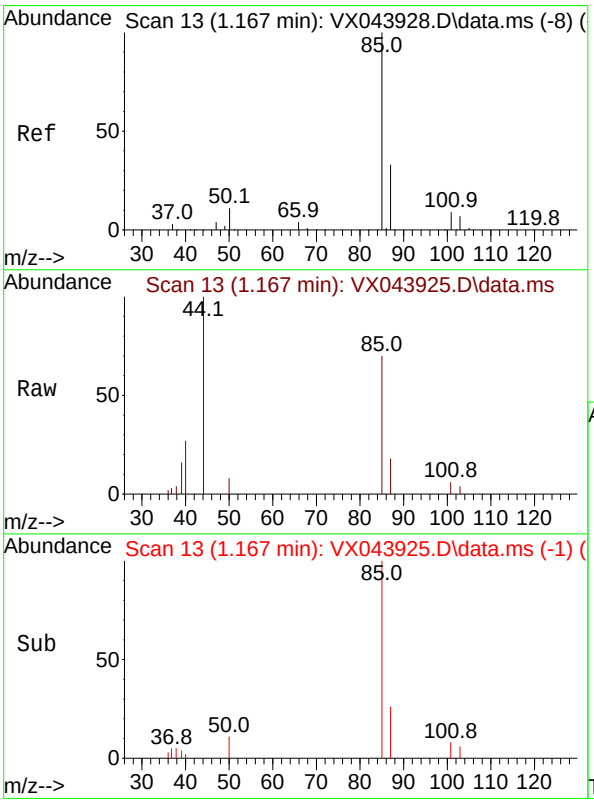
Ion	Ratio	Lower	Upper
168	100		
99	61.8	51.8	77.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

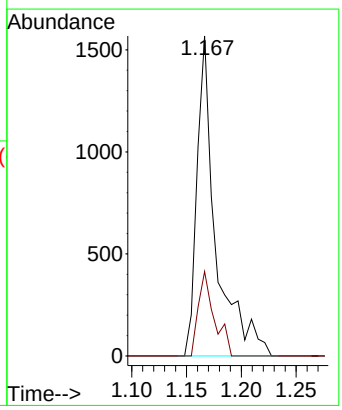
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

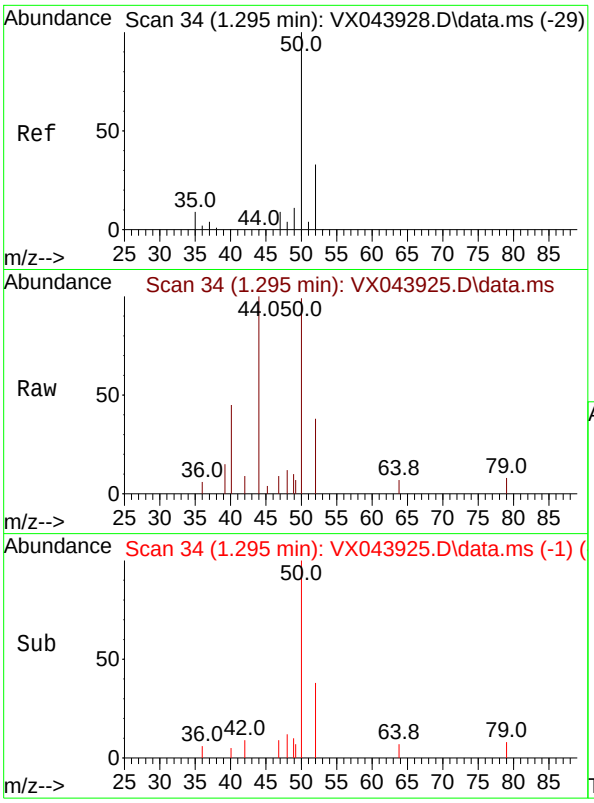


#2
Dichlorodifluoromethane
Concen: 1.001 ug/l
RT: 1.167 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 85 Resp: 1889

Ion	Ratio	Lower	Upper
85	100		
87	26.4	16.6	49.8





#3
Chloromethane
Concen: 0.868 ug/l
RT: 1.295 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

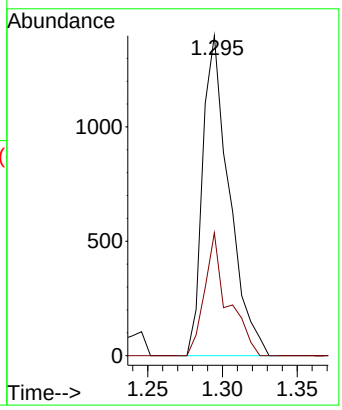
Tgt Ion: 50 Resp: 172

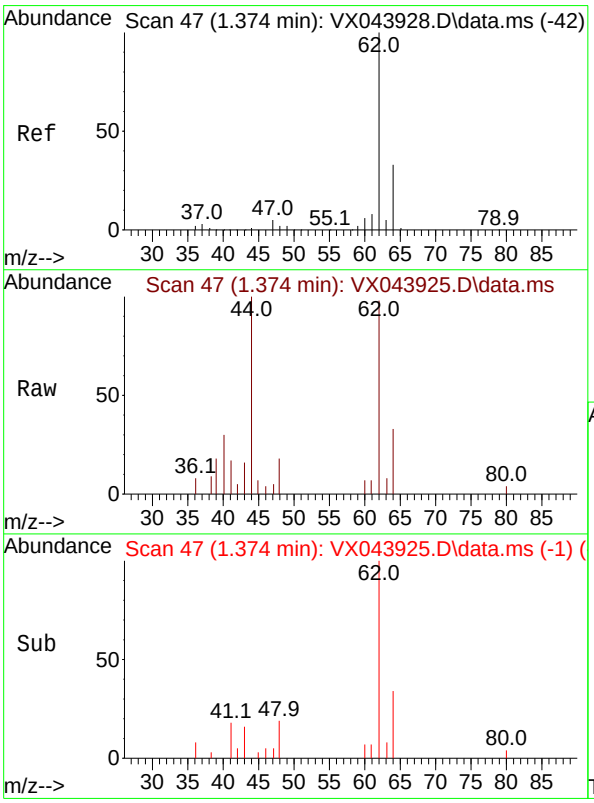
Ion	Ratio	Lower	Upper
50	100		
52	38.4	26.1	39.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

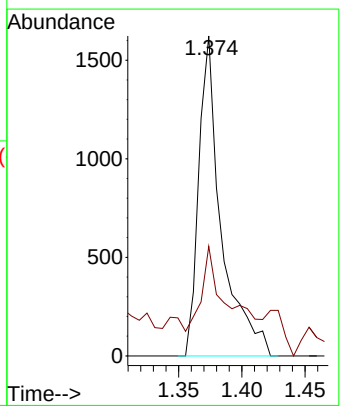


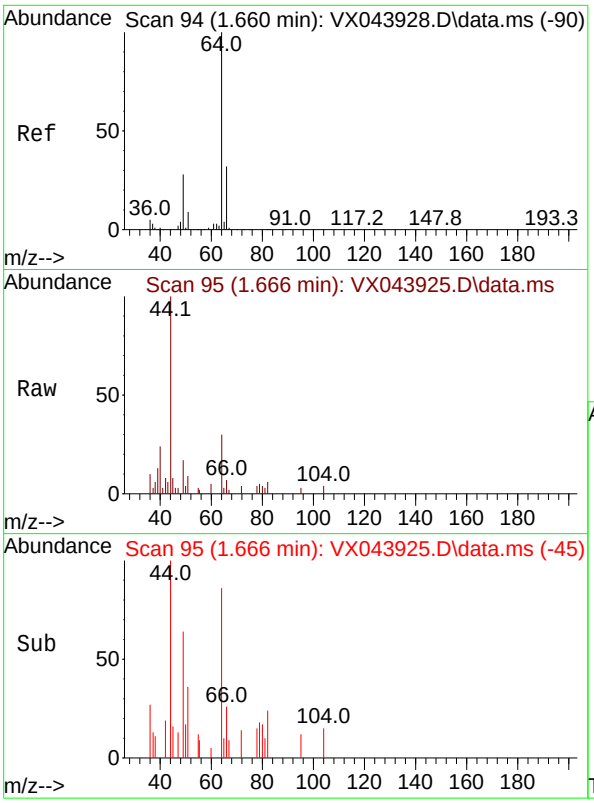


#4
Vinyl Chloride
Concen: 0.951 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 62 Resp: 2010

Ion	Ratio	Lower	Upper
62	100		
64	22.4	26.2	39.4#





#6
Chloroethane
Concen: 1.339 ug/l
RT: 1.666 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

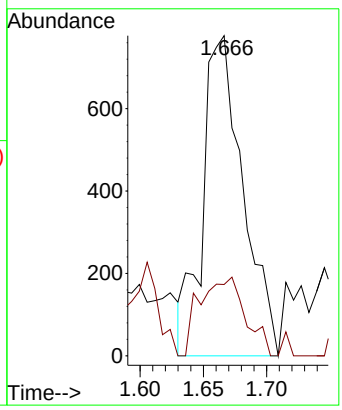
Tgt Ion: 64 Resp: 172

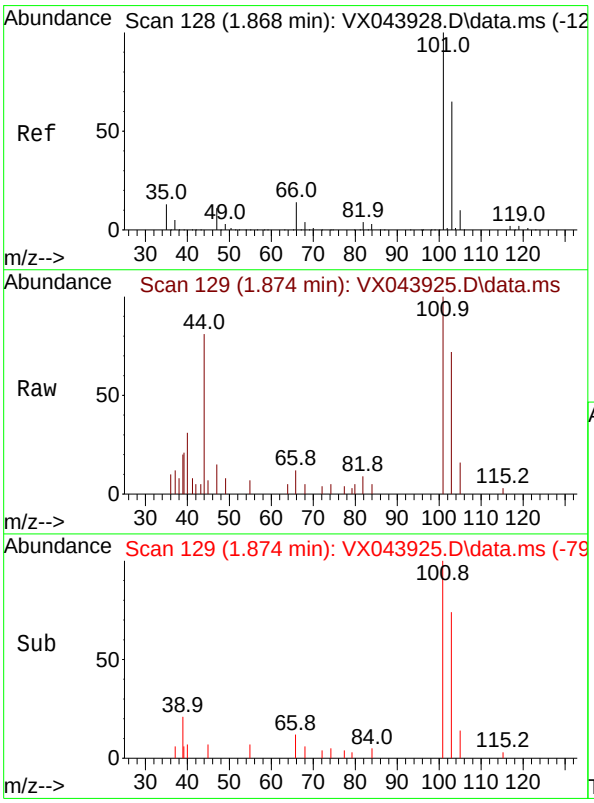
Ion	Ratio	Lower	Upper
64	100		
66	22.3	25.9	38.9#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

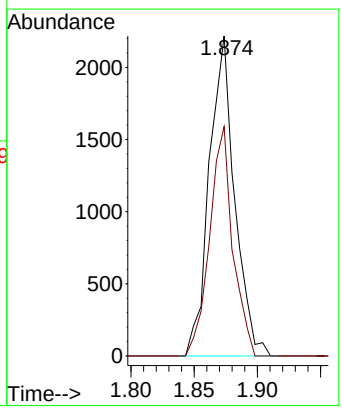


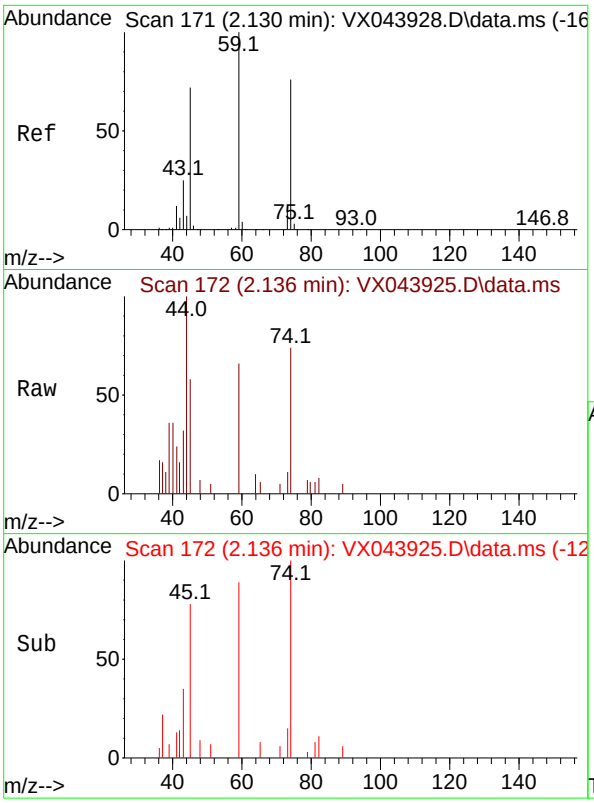


#7
Trichlorofluoromethane
Concen: 0.819 ug/l
RT: 1.874 min Scan# 129
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:101 Resp: 3093

Ion	Ratio	Lower	Upper
101	100		
103	71.6	52.2	78.2





#8
Diethyl Ether
Concen: 1.032 ug/l
RT: 2.136 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

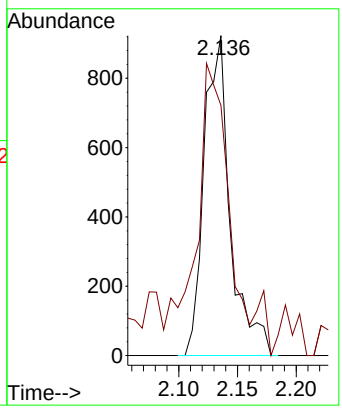
Tgt Ion: 74 Resp: 142

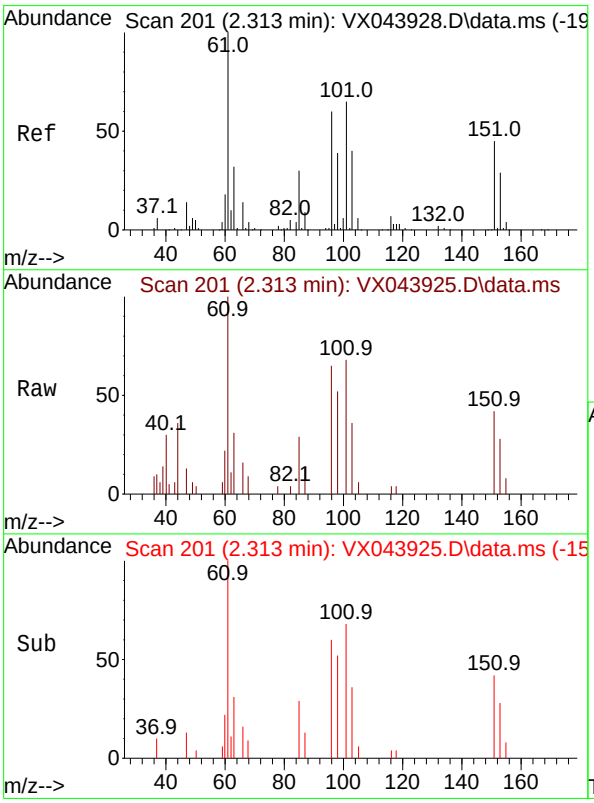
Ion	Ratio	Lower	Upper
74	100		
45	120.1	47.9	143.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

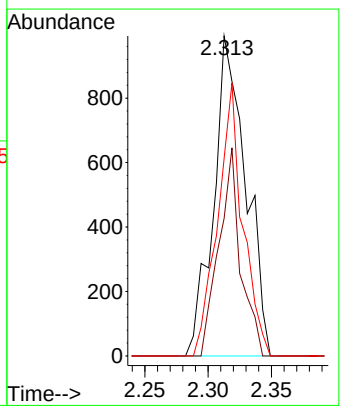


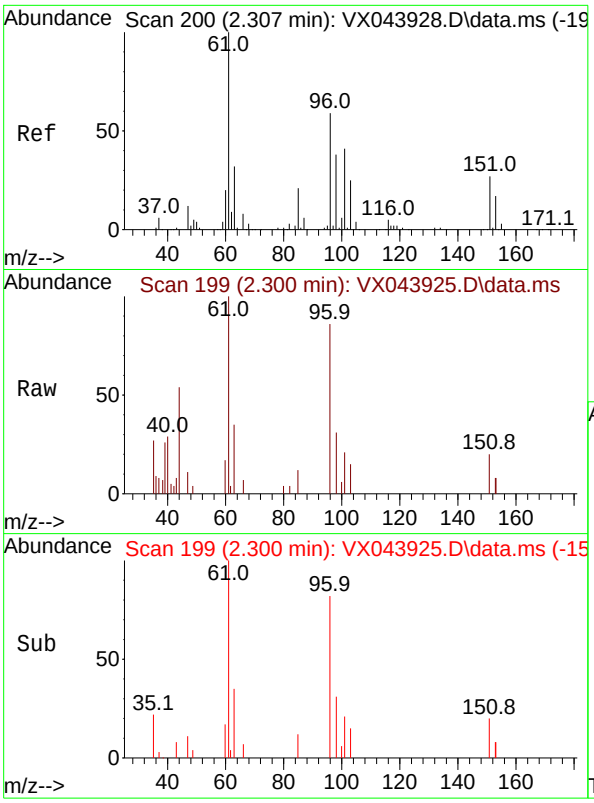


#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.979 ug/l
RT: 2.313 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:101 Resp: 1764

Ion	Ratio	Lower	Upper
101	100		
85	43.5	37.9	56.9
151	66.1	57.5	86.3

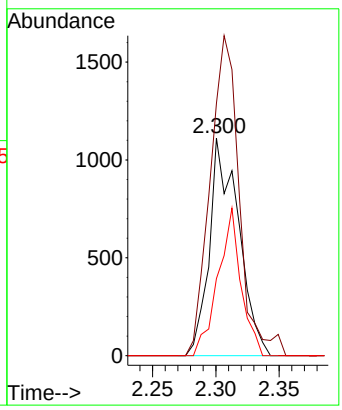




#12
1,1-Dichloroethene
Concen: 1.034 ug/l
RT: 2.300 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 96 Resp: 177

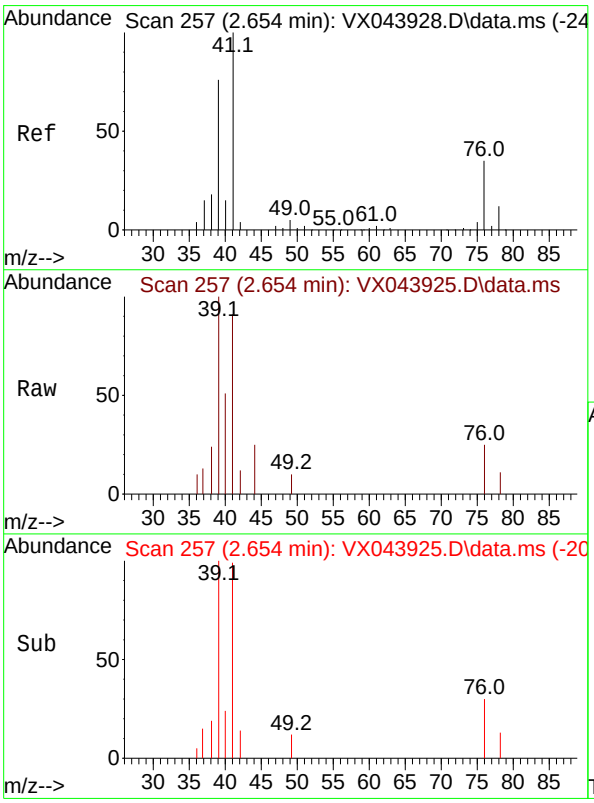
Ion	Ratio	Lower	Upper
96	100		
61	115.9	135.5	203.3#
98	35.4	50.8	76.2#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

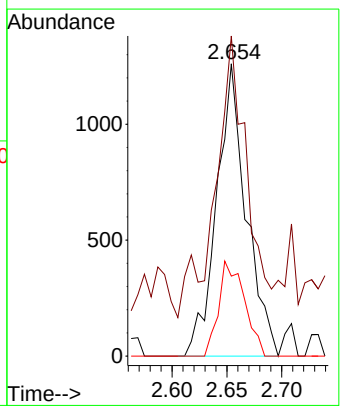
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

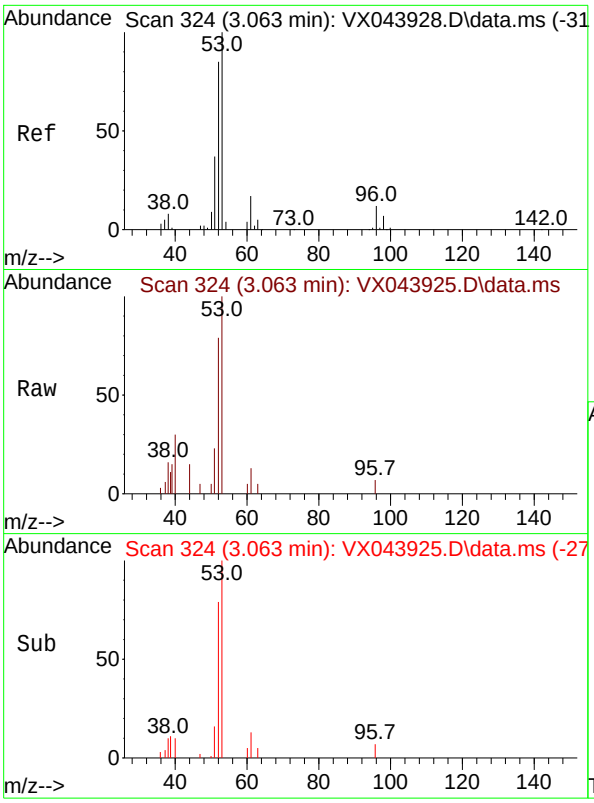


#14
Allyl chloride
Concen: 0.845 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 41 Resp: 2371

Ion	Ratio	Lower	Upper
41	100		
39	85.9	59.5	89.3
76	28.3	27.4	41.2

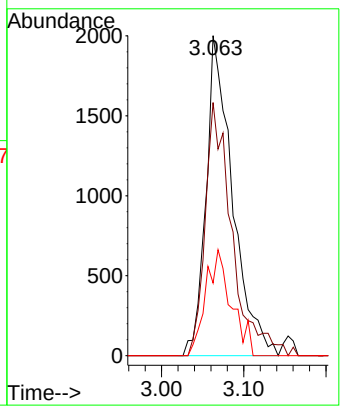




#15
Acrylonitrile
Concen: 4.485 ug/l
RT: 3.063 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 53 Resp: 448

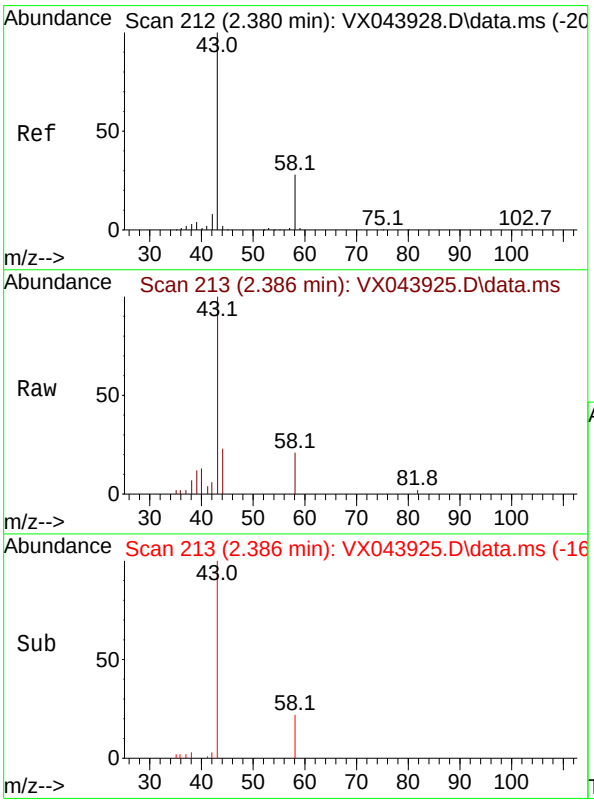
Ion	Ratio	Lower	Upper
53	100		
52	80.0	66.5	99.7
51	31.9	30.2	45.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

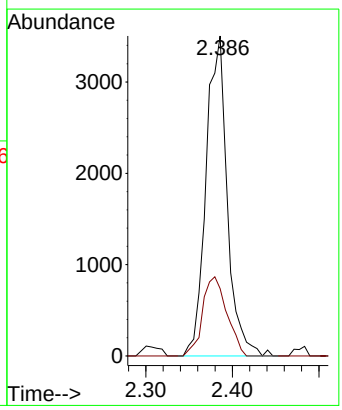
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

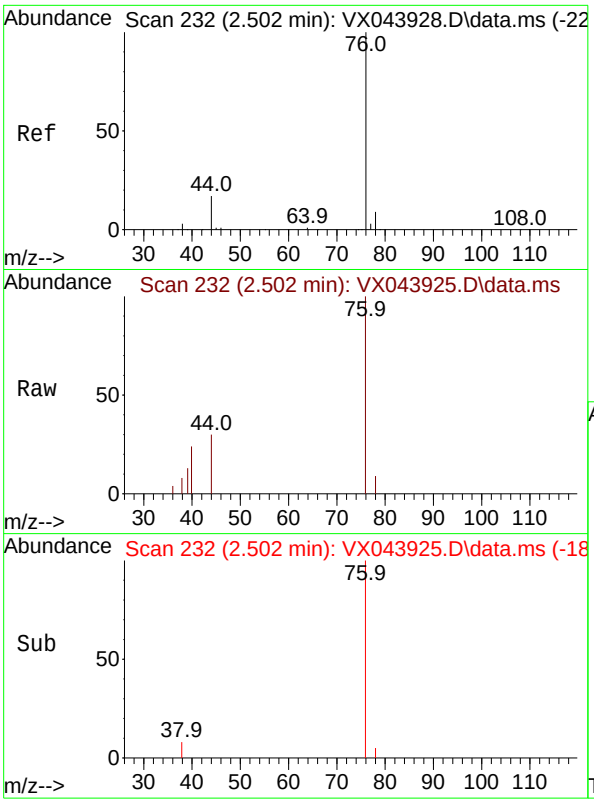


#16
Acetone
Concen: 5.093 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 43 Resp: 5977

Ion	Ratio	Lower	Upper
43	100		
58	21.1	22.7	34.1#





#17
Carbon Disulfide
Concen: 0.910 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

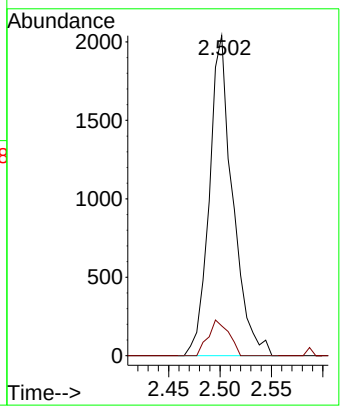
Tgt Ion: 76 Resp: 322

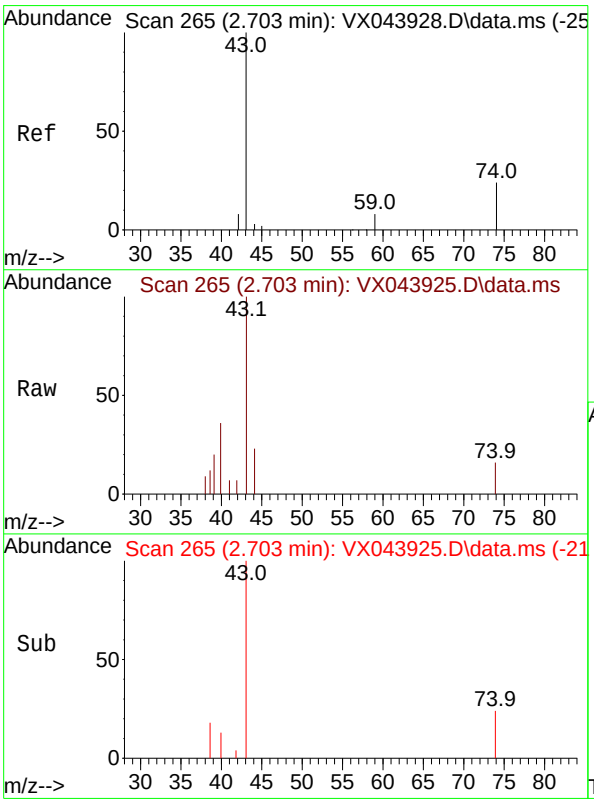
Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.0	10.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

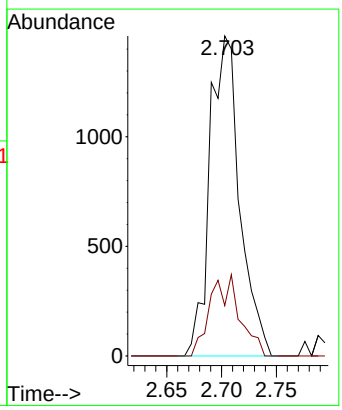


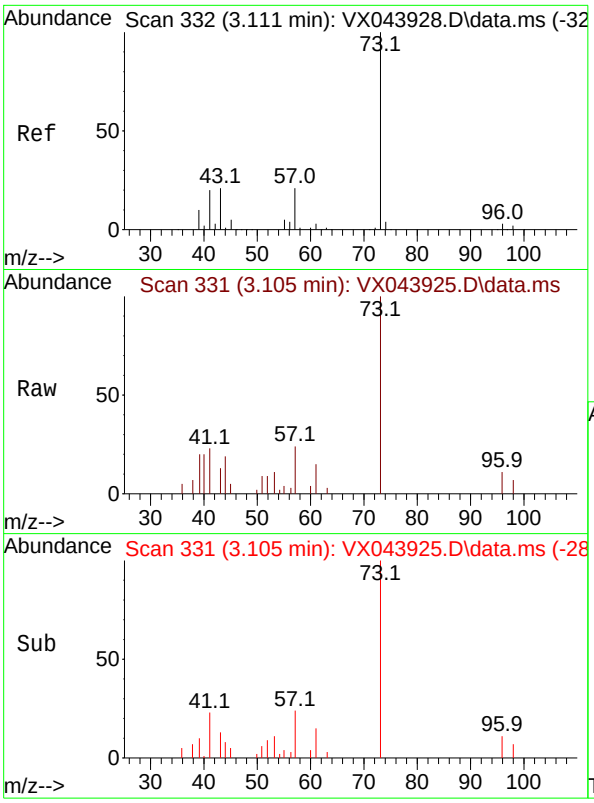


#18
Methyl Acetate
Concen: 1.015 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 43 Resp: 2775

Ion	Ratio	Lower	Upper
43	100		
74	24.9	18.9	28.3

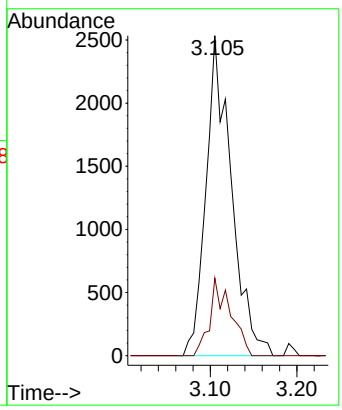




#19
Methyl tert-butyl Ether
Concen: 0.828 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 73 Resp: 516

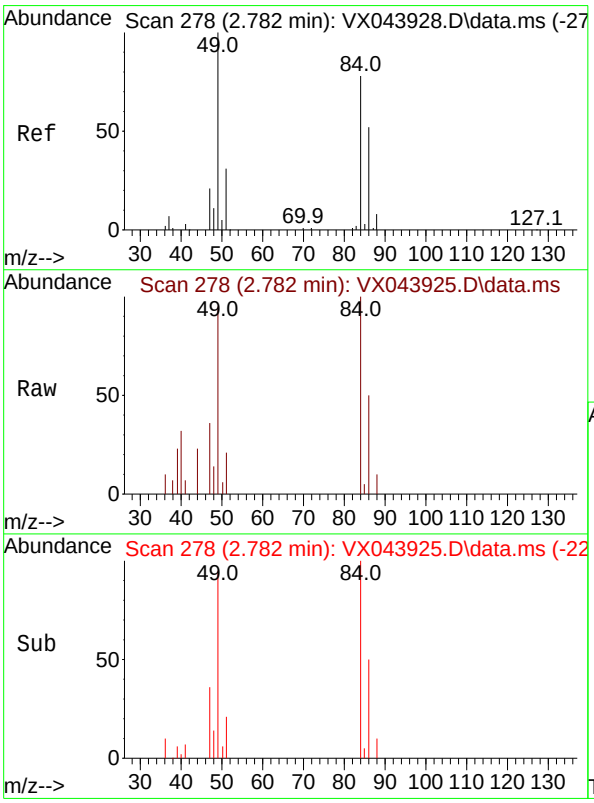
Ion	Ratio	Lower	Upper
73	100		
57	24.3	17.0	25.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

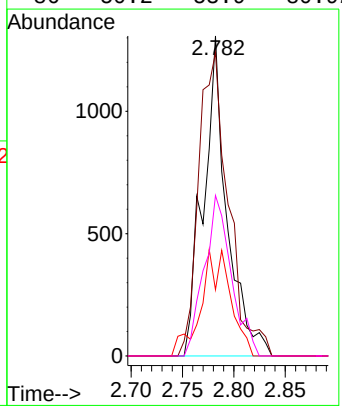
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

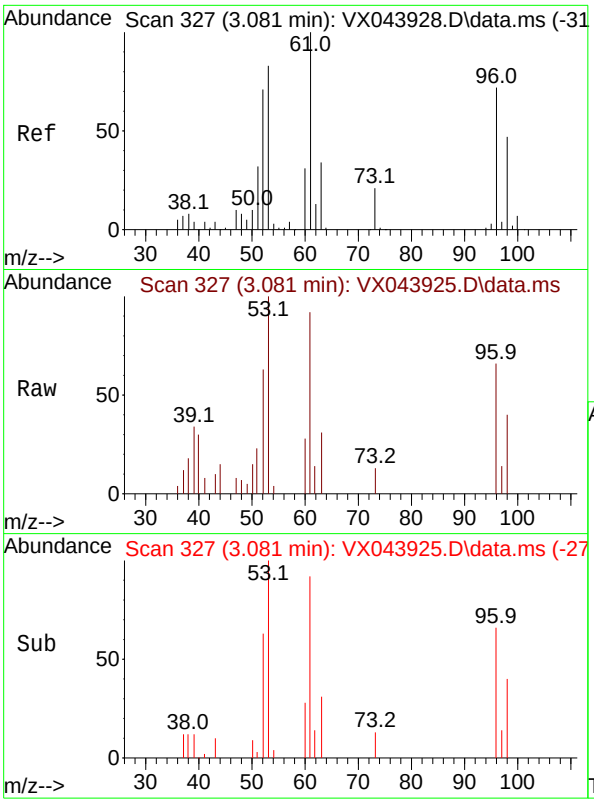


#20
Methylene Chloride
Concen: 1.054 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 84 Resp: 2099

Ion	Ratio	Lower	Upper
84	100		
49	94.8	102.7	154.1#
51	20.7	31.7	47.5#
86	50.2	53.9	80.9#

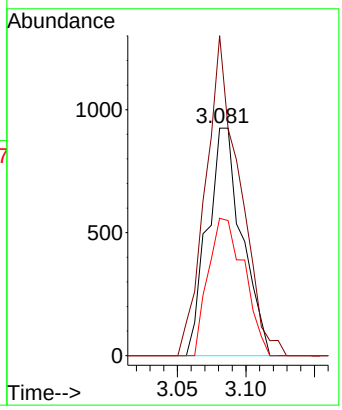




#21
trans-1,2-Dichloroethene
Concen: 0.916 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 96 Resp: 162

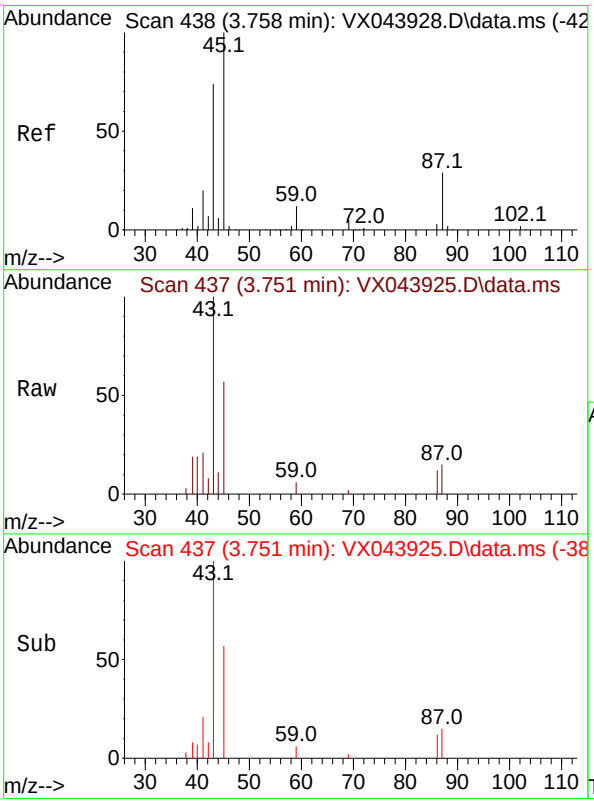
Ion	Ratio	Lower	Upper
96	100		
61	140.6	111.8	167.6
98	60.4	52.7	79.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

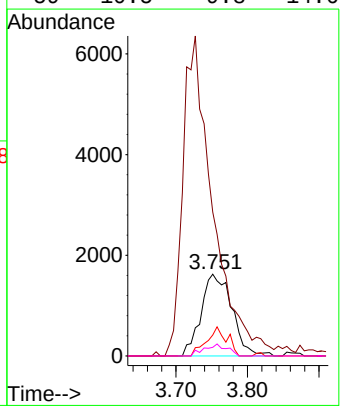
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

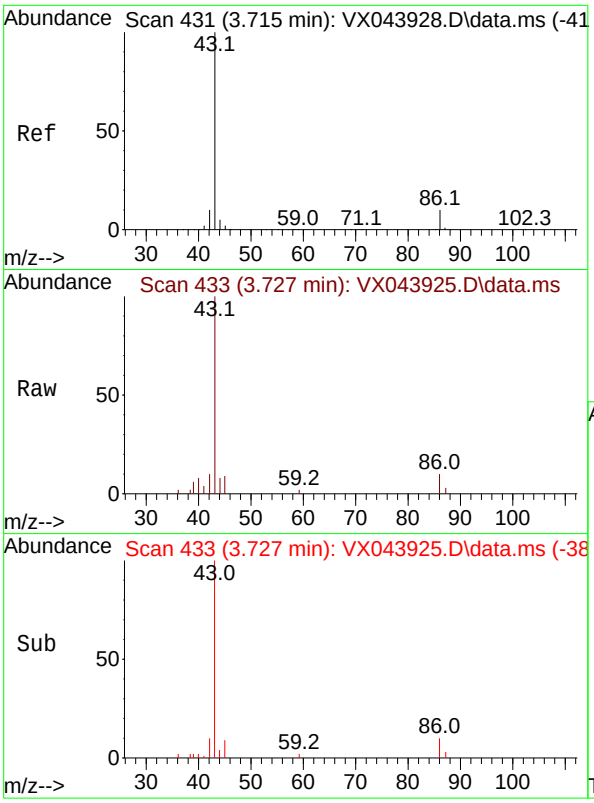


#22
Diisopropyl ether
Concen: 0.814 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 45 Resp: 4882

Ion	Ratio	Lower	Upper
45	100		
43	164.2	59.6	89.4#
87	25.6	22.9	34.3
59	10.5	9.8	14.6

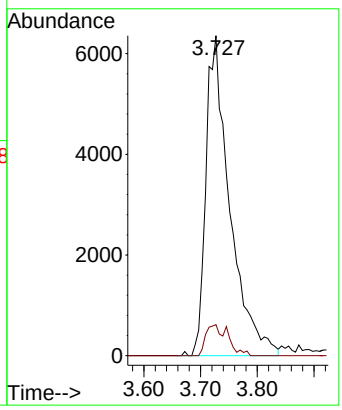




#23
Vinyl Acetate
Concen: 3.613 ug/l
RT: 3.727 min Scan# 4
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 43 Resp: 1854

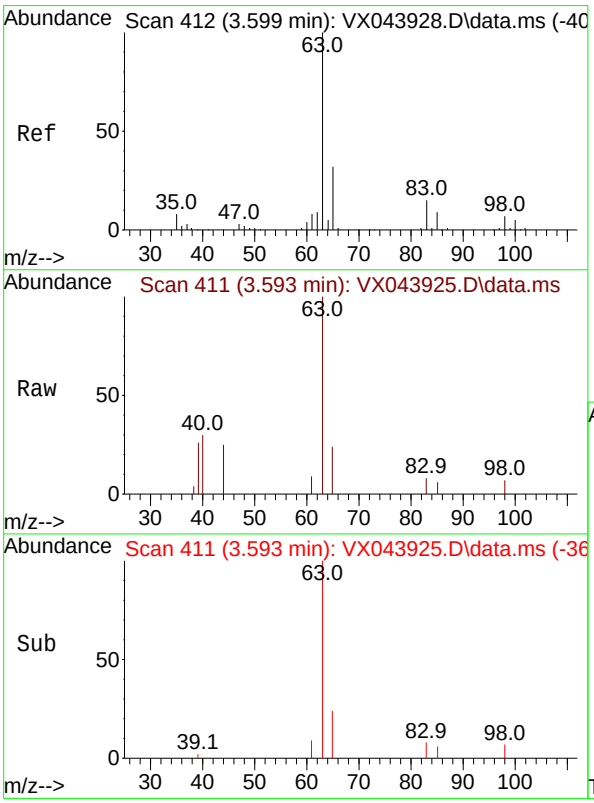
Ion	Ratio	Lower	Upper
43	100		
86	9.7	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

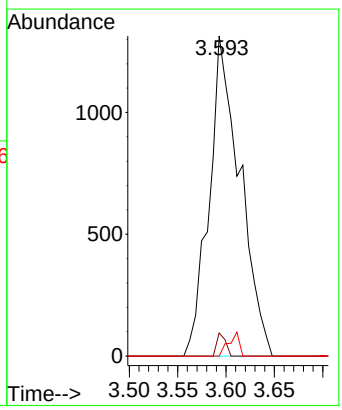
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

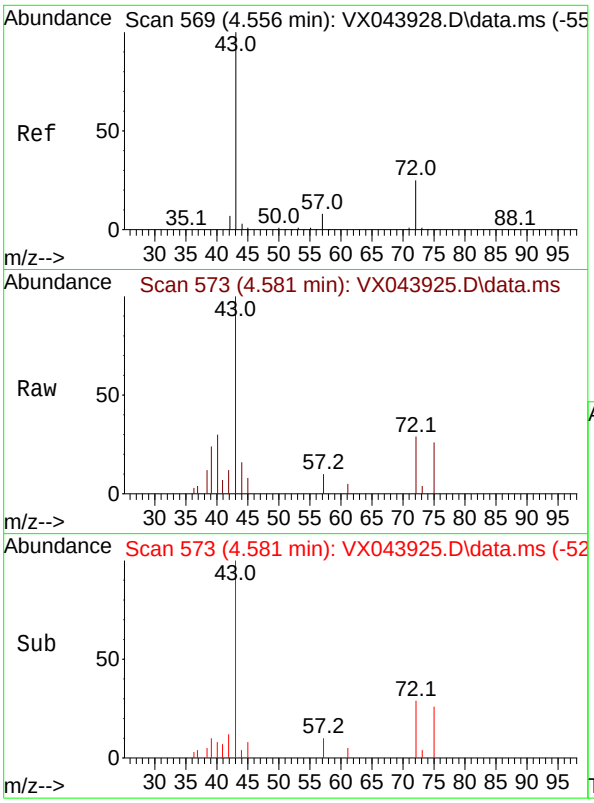


#24
1,1-Dichloroethane
Concen: 0.844 ug/l
RT: 3.593 min Scan# 411
Delta R.T. -0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 63 Resp: 2919

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.5	10.6
100	0.0	2.4	7.1#





#25
2-Butanone
Concen: 4.408 ug/l
RT: 4.581 min Scan# 5
Delta R.T. 0.024 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

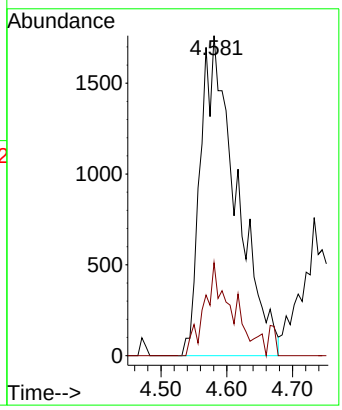
Tgt Ion: 43 Resp: 667

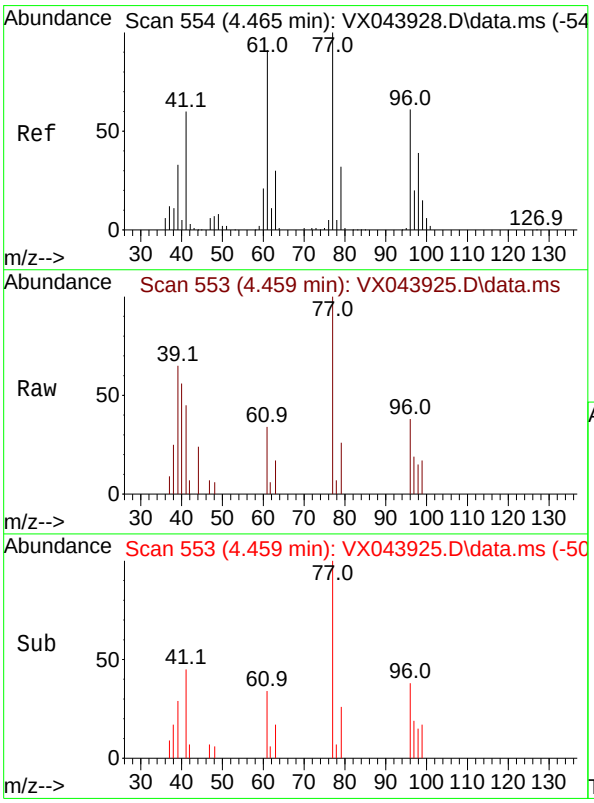
Ion	Ratio	Lower	Upper
43	100		
72	29.1	20.2	30.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

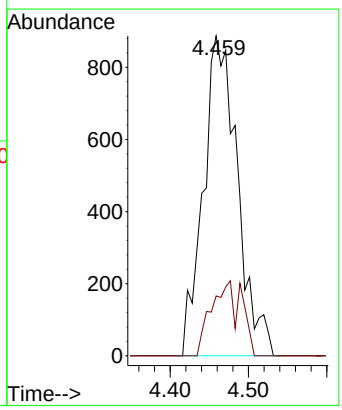


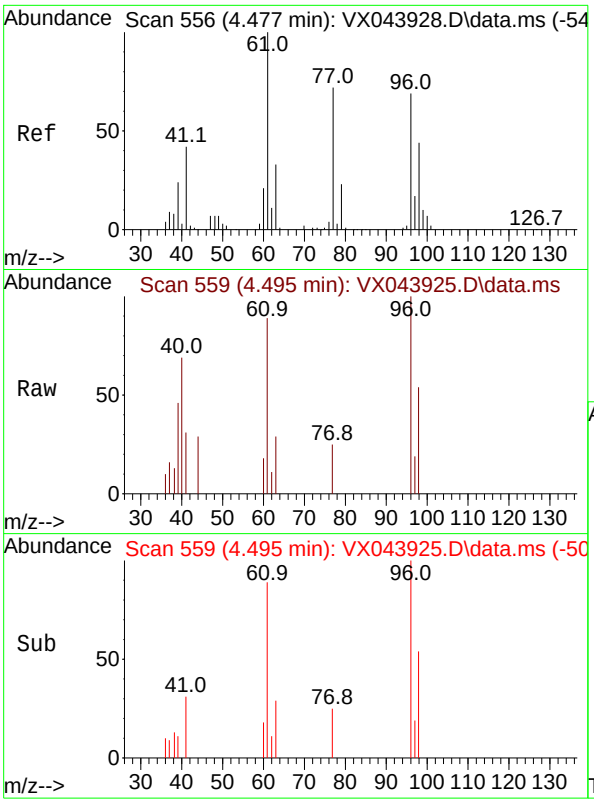


#26
2,2-Dichloropropane
Concen: 0.860 ug/l
RT: 4.459 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 77 Resp: 2687

Ion	Ratio	Lower	Upper
77	100		
97	15.1	10.8	32.3





#27
cis-1,2-Dichloroethene
Concen: 0.916 ug/l
RT: 4.495 min Scan# 5
Delta R.T. 0.018 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

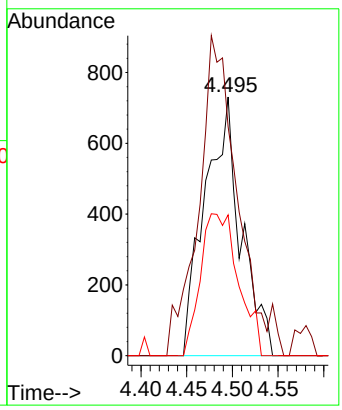
Tgt Ion: 96 Resp: 200

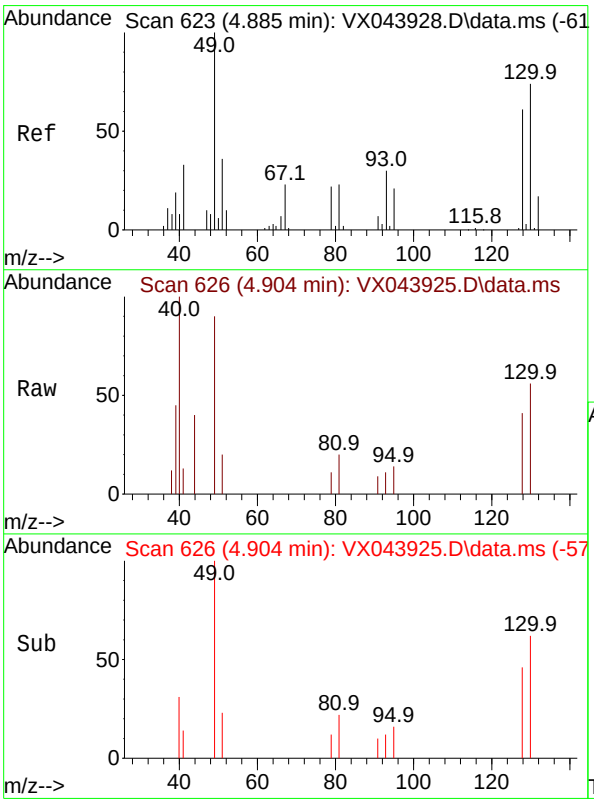
Ion	Ratio	Lower	Upper
96	100		
61	133.7	0.0	297.4
98	57.8	0.0	127.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

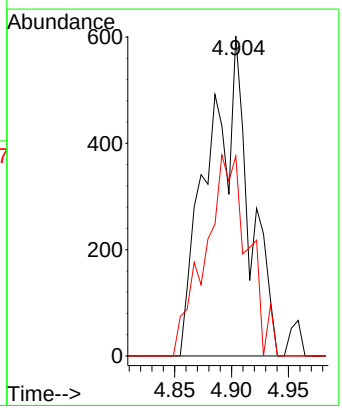


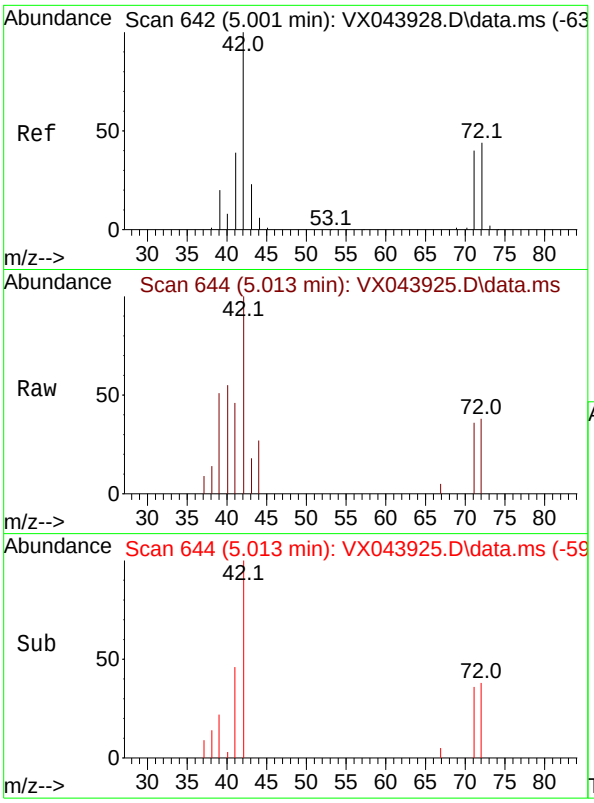


#28
Bromochloromethane
Concen: 0.981 ug/l m
RT: 4.904 min Scan# 626
Delta R.T. 0.018 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 49 Resp: 1494

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	66.9	59.0	88.6





#29
Tetrahydrofuran
Concen: 4.593 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

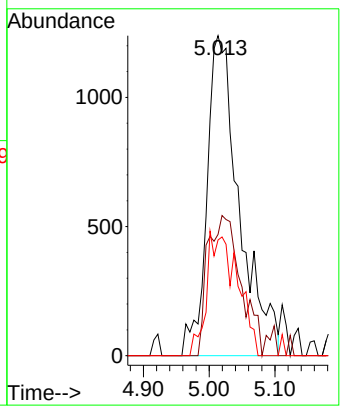
Tgt Ion: 42 Resp: 426

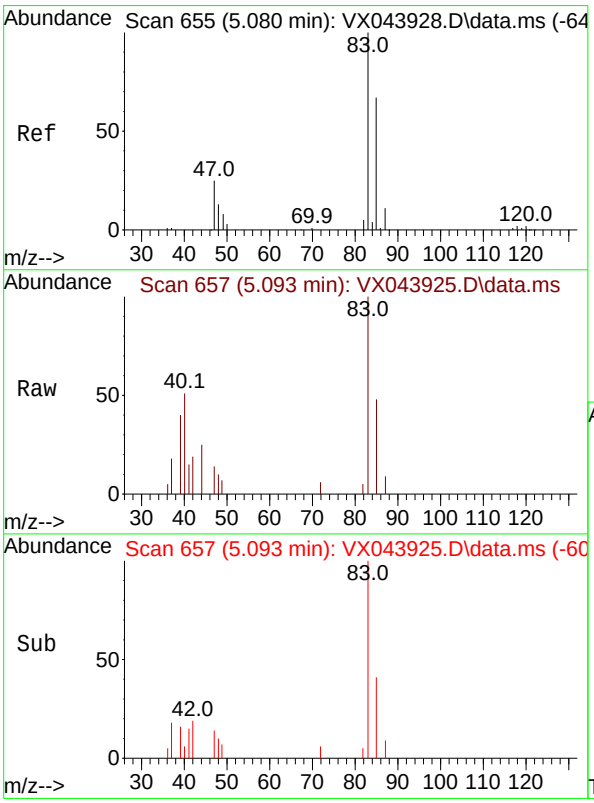
Ion	Ratio	Lower	Upper
42	100		
72	44.5	36.4	54.6
71	36.6	33.4	50.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

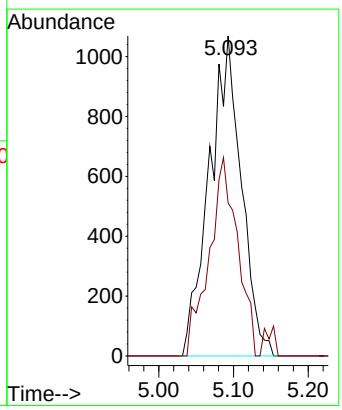


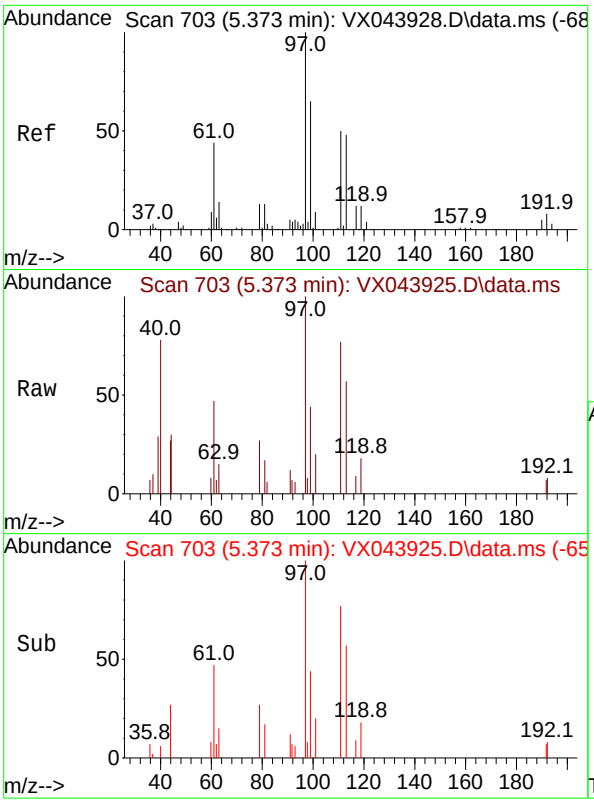


#30
Chloroform
Concen: 0.856 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 83 Resp: 3187

Ion	Ratio	Lower	Upper
83	100		
85	47.8	53.5	80.3#





#32
1,1,1-Trichloroethane
Concen: 0.810 ug/l
RT: 5.373 min Scan# 7(
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

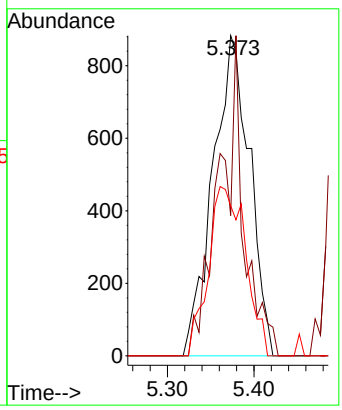
Tgt Ion: 97 Resp: 260(

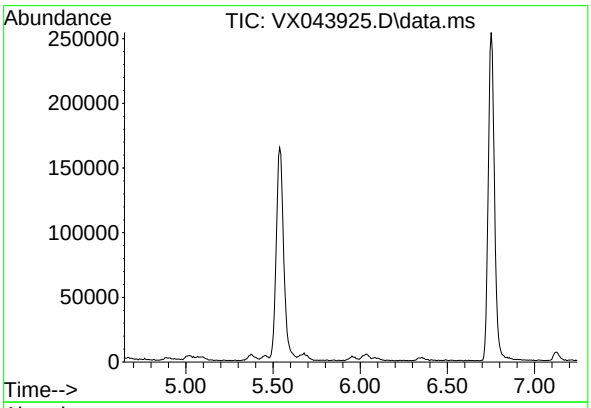
Ion	Ratio	Lower	Upper
97	100		
99	0.0	50.8	76.2#
61	53.3	35.4	53.2#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



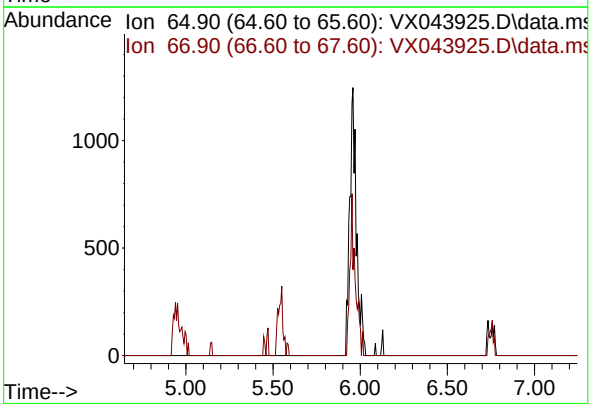


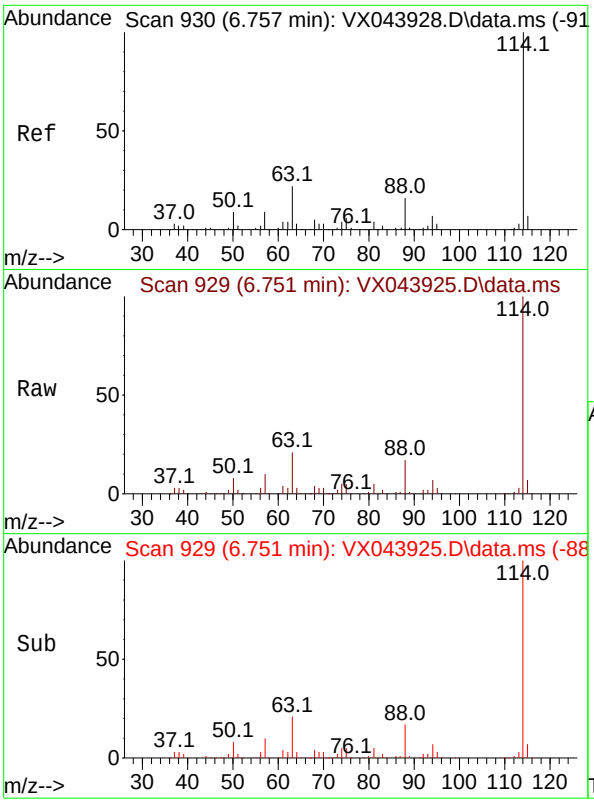
#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 5.95 min

Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 65

Sig	Exp Ratio
65	100
67	50.4





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 9
Delta R.T. -0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

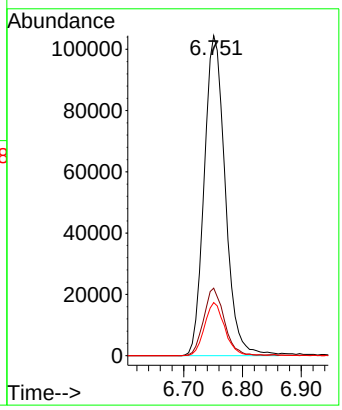
Tgt Ion:114 Resp: 26056

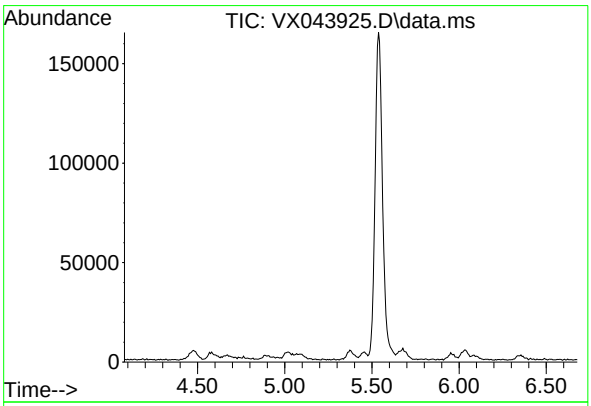
Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	44.0
88	16.6	0.0	32.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



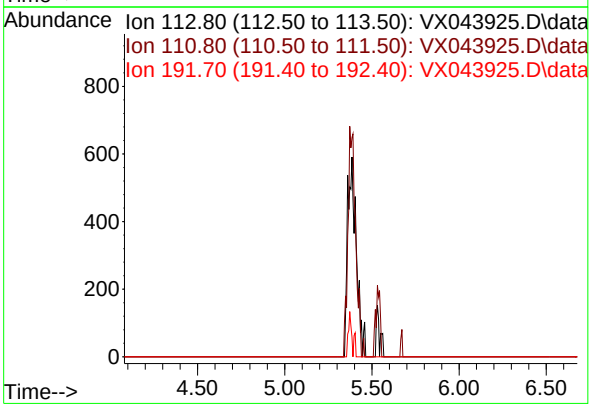


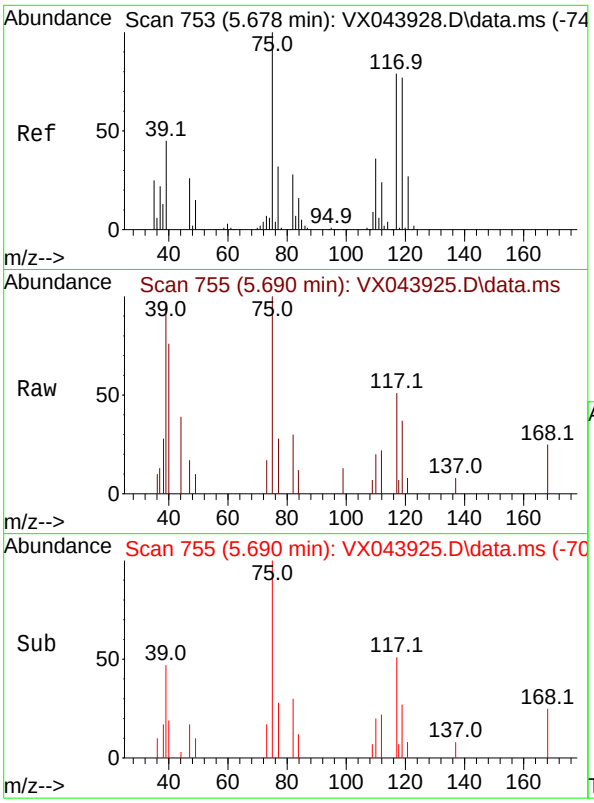
#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 5.38 min

Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 113

Sig	Exp Ratio
113	100
111	101.2
192	16.3





#36
1,1-Dichloropropene
Concen: 0.859 ug/l
RT: 5.690 min Scan# 7
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

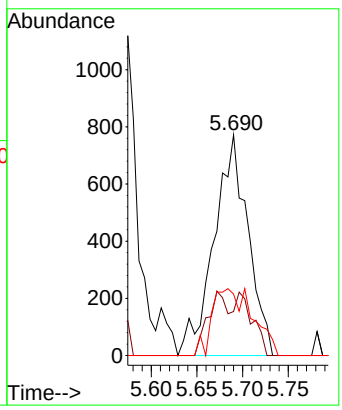
Tgt Ion: 75 Resp: 199

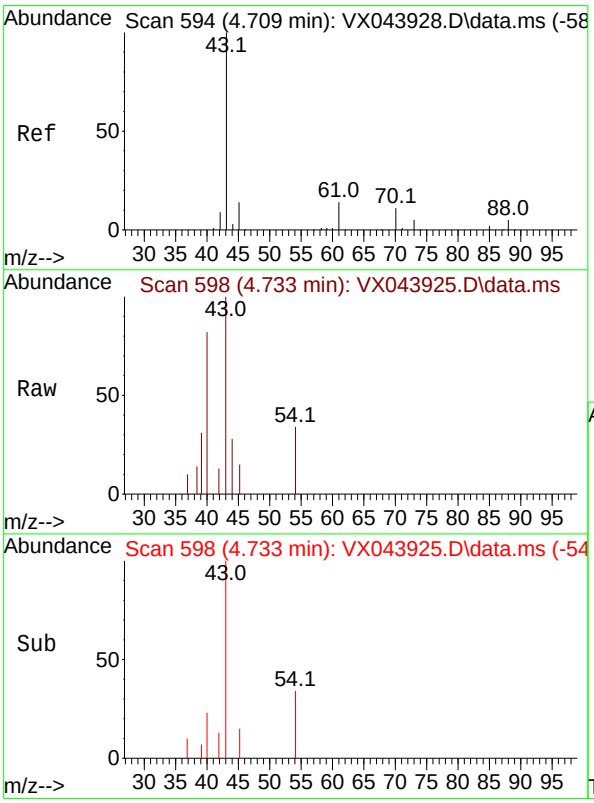
Ion	Ratio	Lower	Upper
75	100		
110	16.7	17.4	52.2#
77	36.6	25.8	38.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

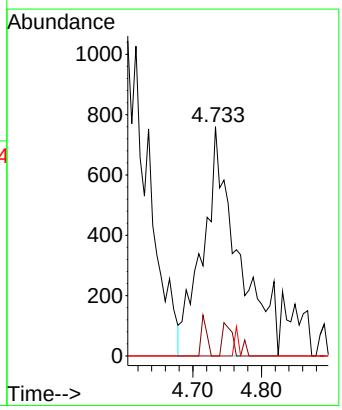


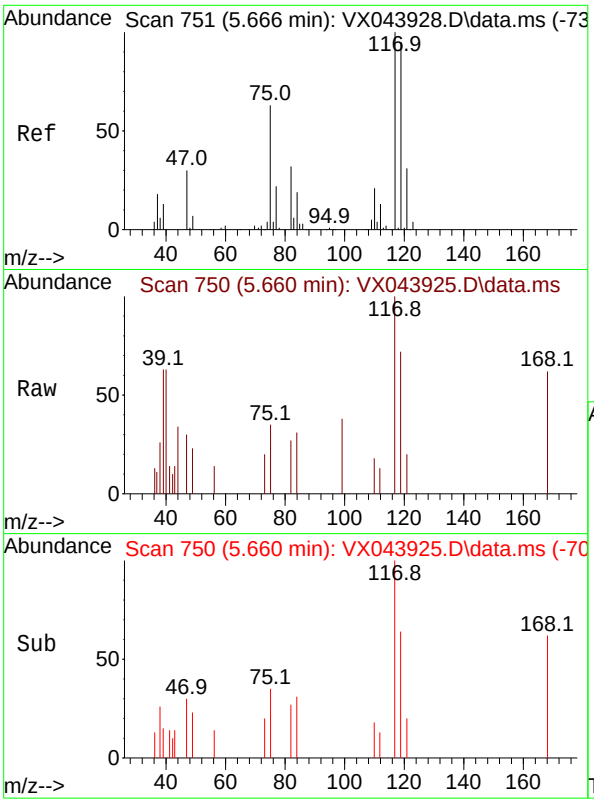


#37
Ethyl Acetate
Concen: 0.935 ug/l m
RT: 4.733 min Scan# 598
Delta R.T. 0.024 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 43 Resp: 2692

Ion	Ratio	Lower	Upper
43	100		
61	3.8	10.7	16.1#
70	0.0	8.0	12.0#





#38
Carbon Tetrachloride
Concen: 0.877 ug/l
RT: 5.660 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

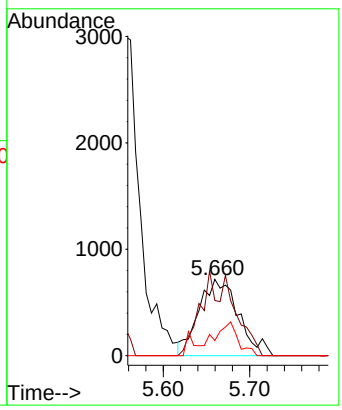
Tgt Ion:117 Resp: 228

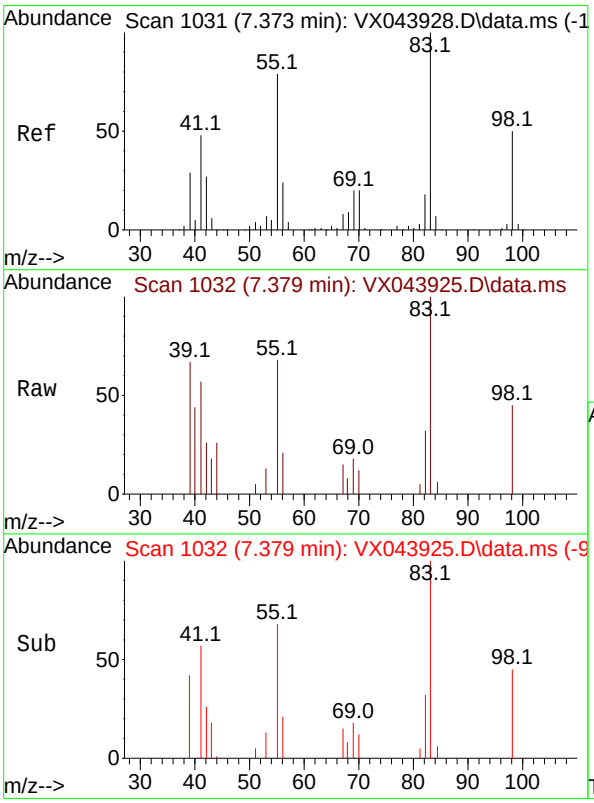
Ion	Ratio	Lower	Upper
117	100		
119	72.4	75.2	112.8#
121	19.7	24.5	36.7#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

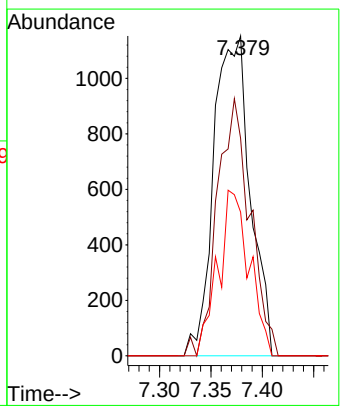


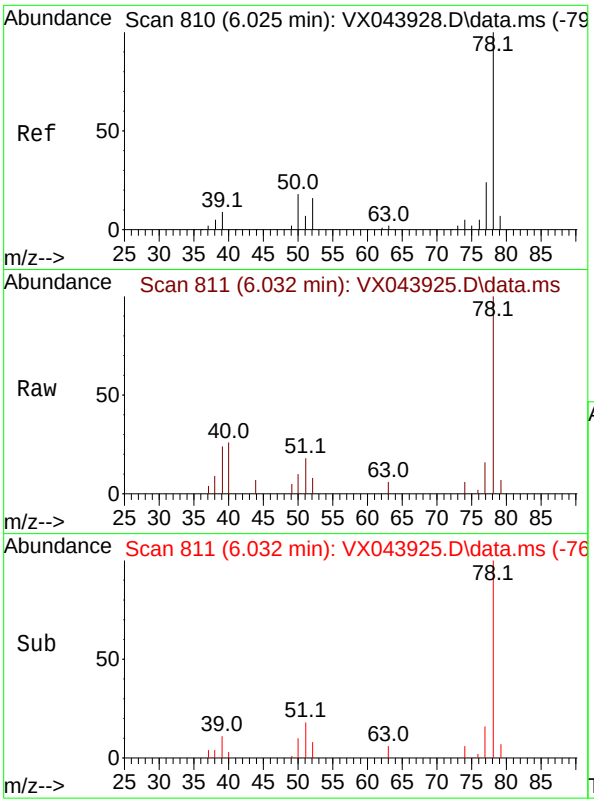


#39
Methylcyclohexane
Concen: 0.941 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 83 Resp: 2835

Ion	Ratio	Lower	Upper
83	100		
55	68.0	63.1	94.7
98	44.9	40.0	60.0





#40
Benzene
Concen: 0.873 ug/l
RT: 6.032 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

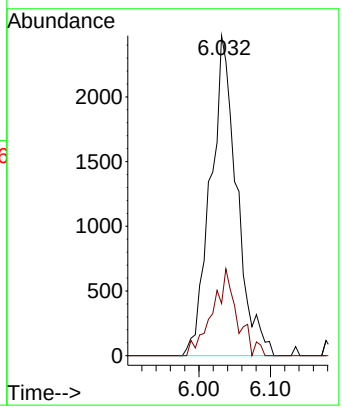
Tgt Ion: 78 Resp: 631

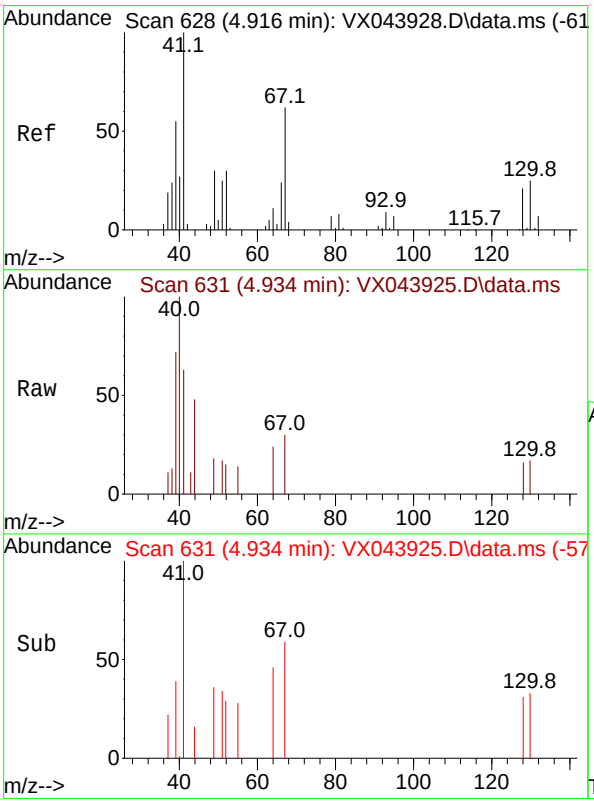
Ion	Ratio	Lower	Upper
78	100		
77	16.3	19.2	28.8#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

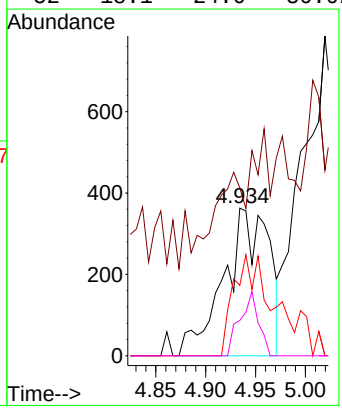


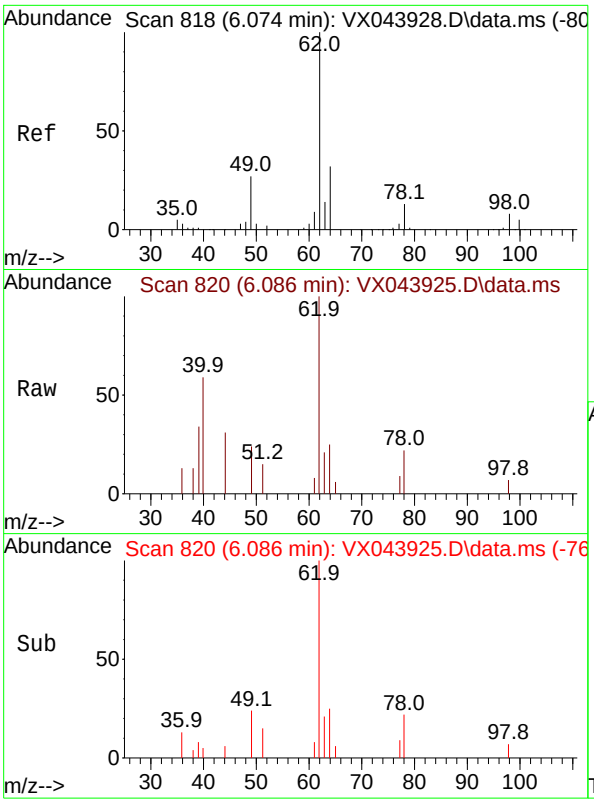


#41
Methacrylonitrile
Concen: 0.774 ug/l m
RT: 4.934 min Scan# 631
Delta R.T. 0.018 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 41 Resp: 1141

Ion	Ratio	Lower	Upper
41	100		
39	22.2	41.7	62.5#
67	57.0	55.8	83.8
52	18.1	24.0	36.0#





#42
1,2-Dichloroethane
Concen: 0.896 ug/l
RT: 6.086 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

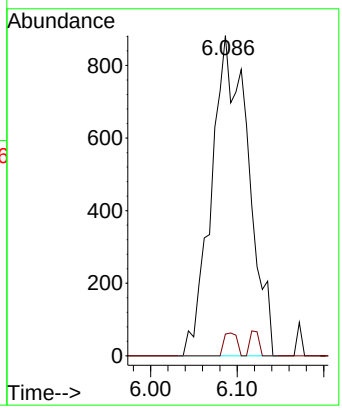
Tgt Ion: 62 Resp: 260

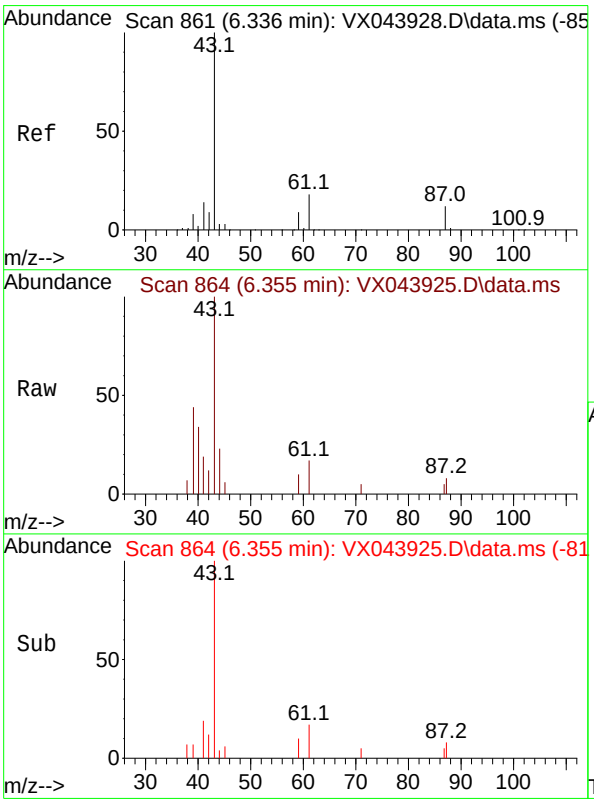
Ion	Ratio	Lower	Upper
62	100		
98	2.5	0.0	16.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

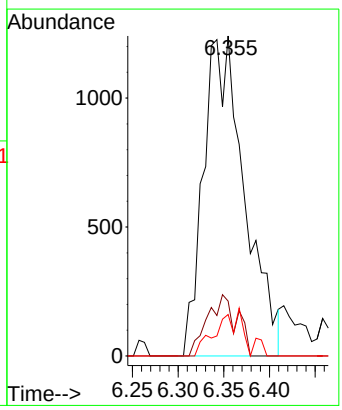


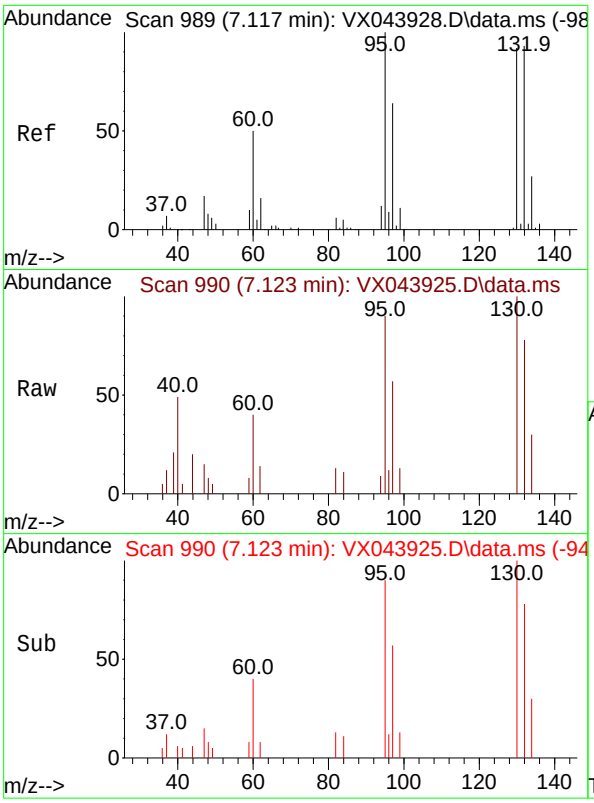


#43
Isopropyl Acetate
Concen: 0.847 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.018 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 43 Resp: 3881

Ion	Ratio	Lower	Upper
43	100		
61	13.8	14.5	21.7#
87	8.9	10.2	15.2#





#44
Trichloroethene
Concen: 1.393 ug/l
RT: 7.123 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

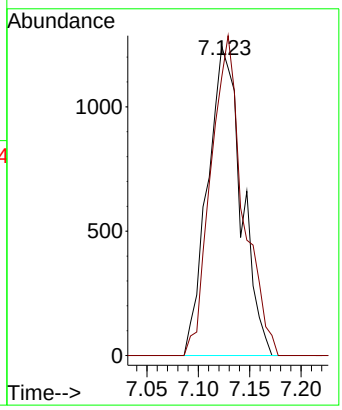
Tgt Ion:130 Resp: 285

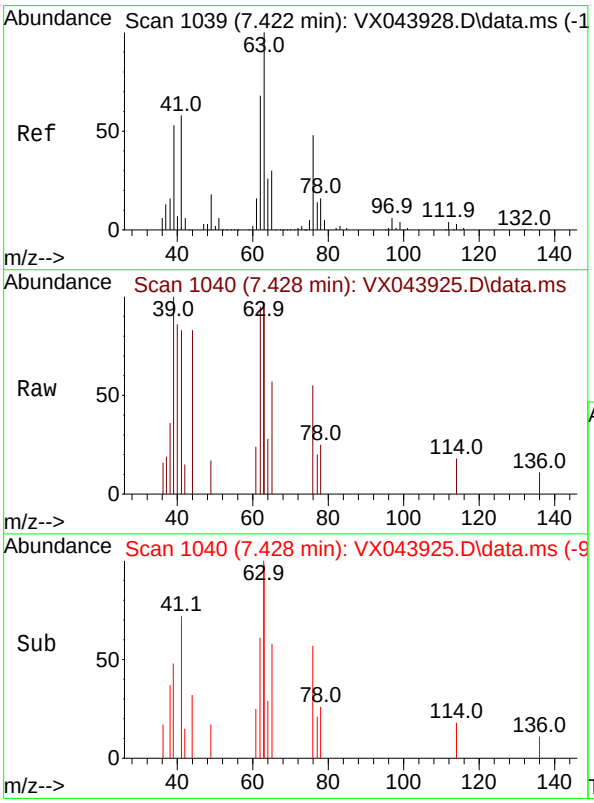
Ion	Ratio	Lower	Upper
130	100		
95	90.0	0.0	217.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

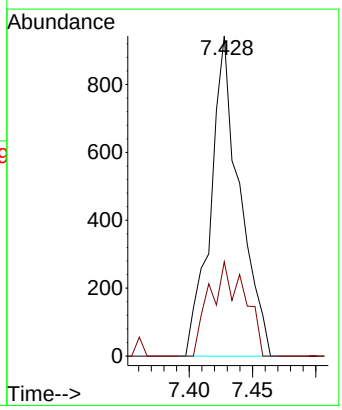


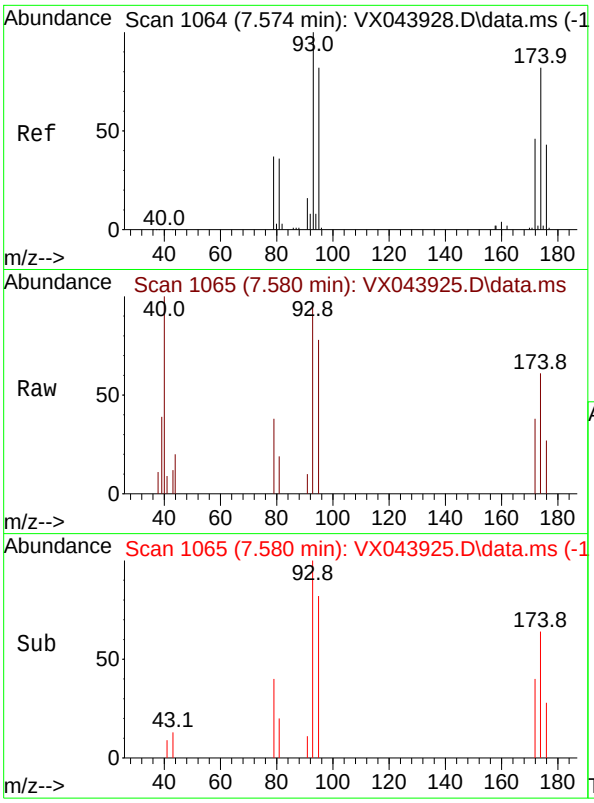


#45
1,2-Dichloropropane
Concen: 0.849 ug/l
RT: 7.428 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 63 Resp: 1503

Ion	Ratio	Lower	Upper
63	100		
65	29.5	23.8	35.6

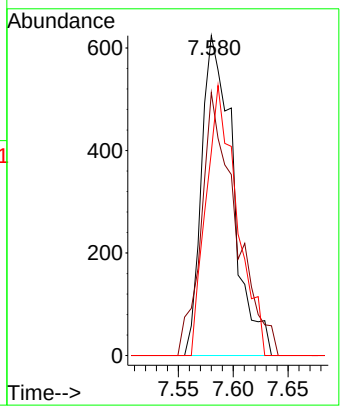




#46
Dibromomethane
Concen: 0.890 ug/l
RT: 7.580 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 93 Resp: 124

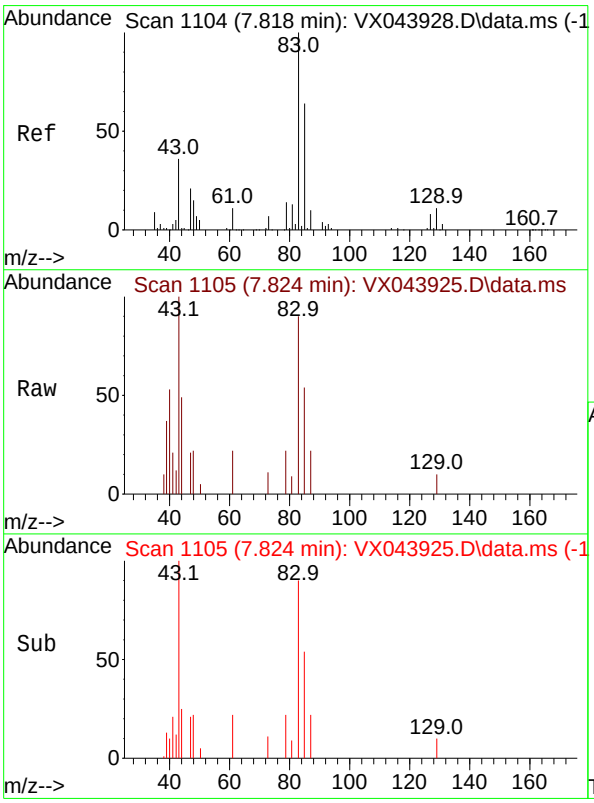
Ion	Ratio	Lower	Upper
93	100		
95	90.4	66.2	99.4
174	83.1	69.6	104.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

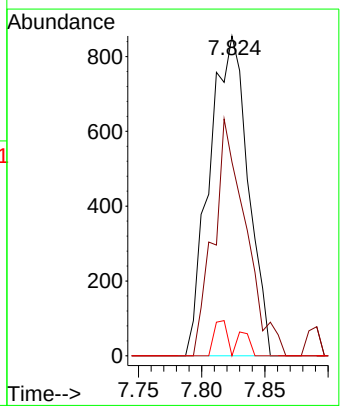
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

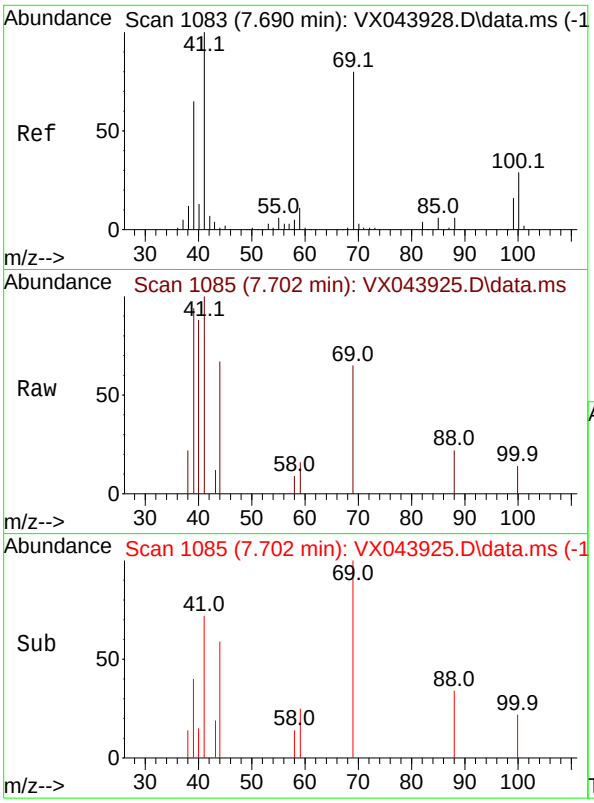


#47
Bromodichloromethane
Concen: 0.724 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 83 Resp: 1819

Ion	Ratio	Lower	Upper
83	100		
85	60.6	51.4	77.0
127	0.0	6.6	10.0#





#48
Methyl methacrylate
Concen: 0.917 ug/l m
RT: 7.702 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

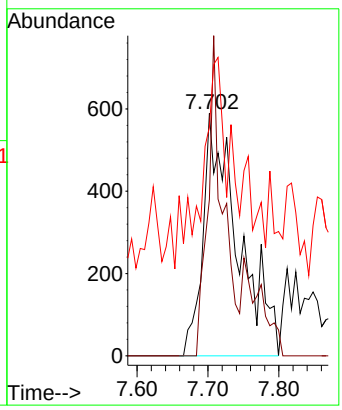
Tgt Ion: 41 Resp: 201

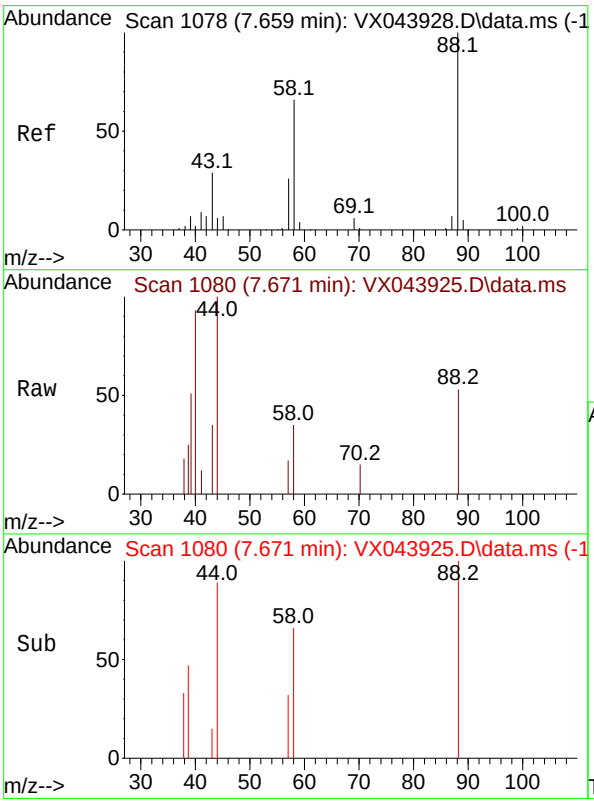
Ion	Ratio	Lower	Upper
41	100		
69	57.5	64.6	97.0#
39	40.3	53.3	79.9#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

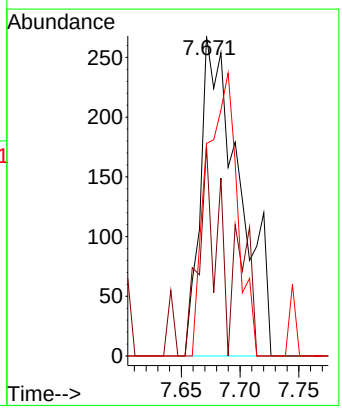


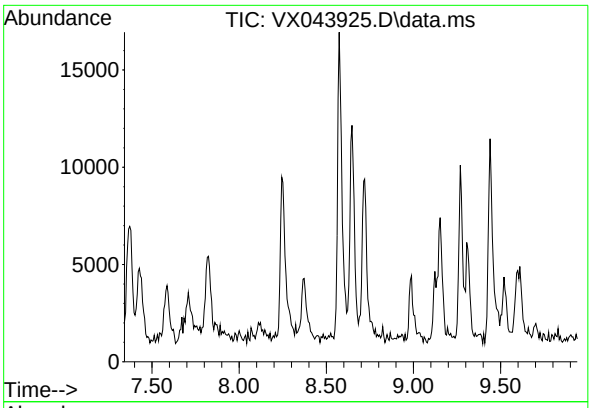


#49
1,4-Dioxane
Concen: 16.166 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 88 Resp: 613

Ion	Ratio	Lower	Upper
88	100		
43	31.0	26.8	40.2
58	0.0	45.4	68.2#





#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 8.64 min

Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

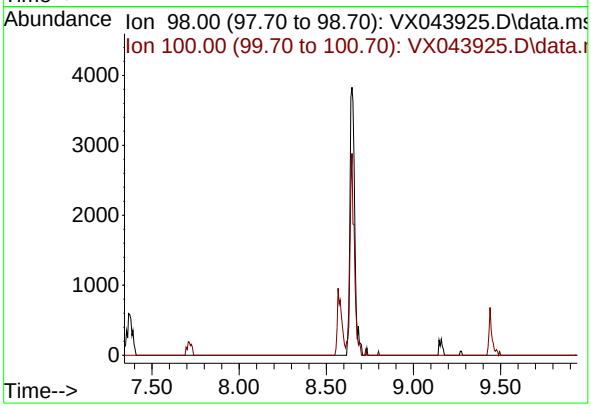
Tgt Ion: 98

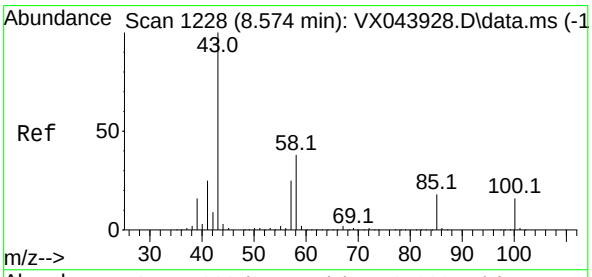
Sig	Exp Ratio
98	100
100	65.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

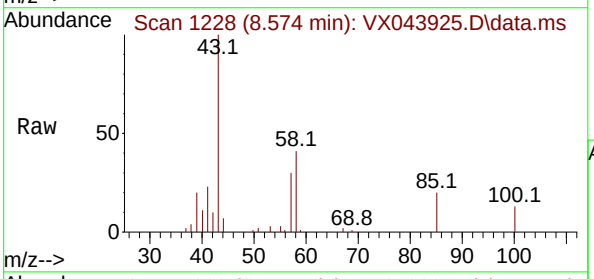


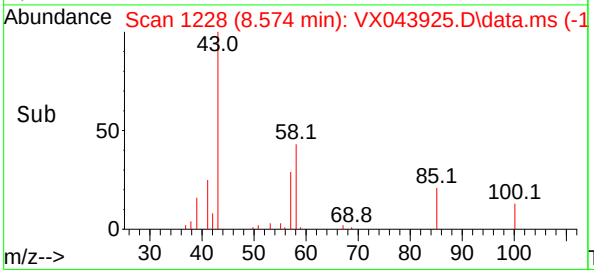


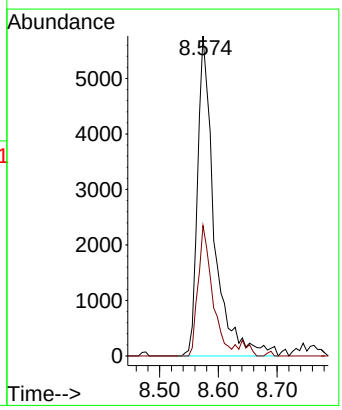
#51
4-Methyl-2-Pentanone
Concen: 4.073 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

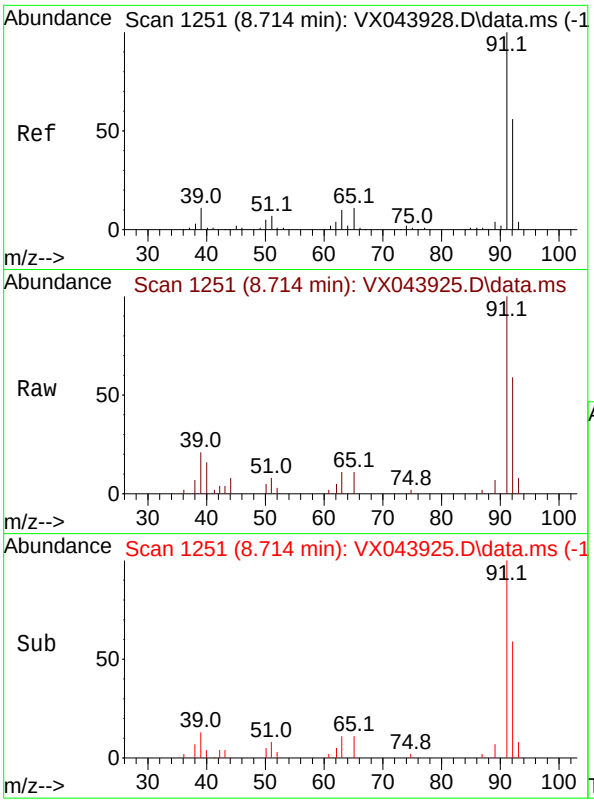
Tgt Ion: 43 Resp: 11392

Ion	Ratio	Lower	Upper
43	100		
58	34.9	30.0	45.0









#52
Toluene
Concen: 0.766 ug/l
RT: 8.714 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

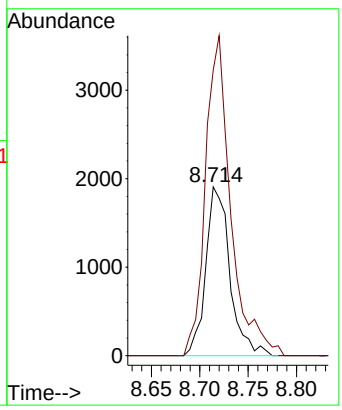
Tgt Ion: 92 Resp: 331

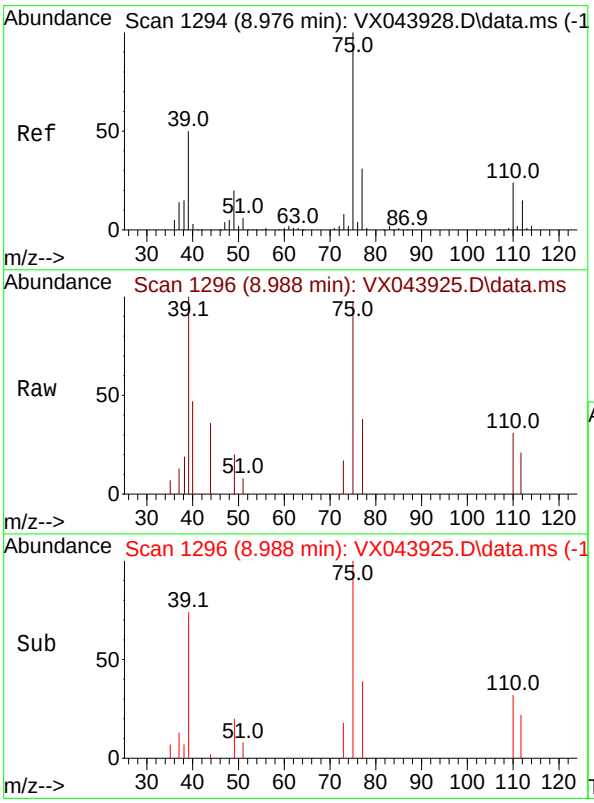
Ion	Ratio	Lower	Upper
92	100		
91	199.1	139.7	209.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

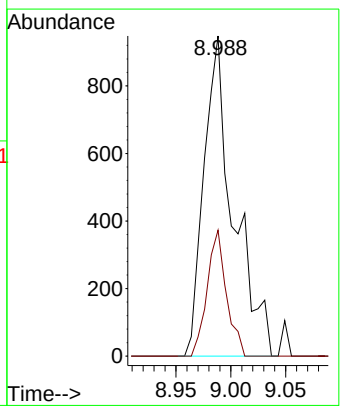


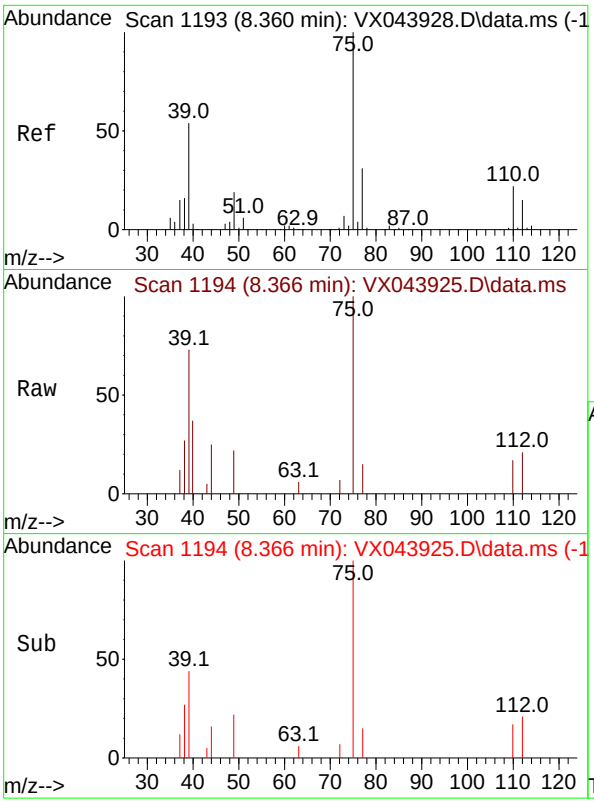


#53
t-1,3-Dichloropropene
Concen: 0.694 ug/l
RT: 8.988 min Scan# 1296
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 75 Resp: 1776

Ion	Ratio	Lower	Upper
75	100		
77	39.3	25.1	37.7#





#54
cis-1,3-Dichloropropene
Concen: 0.759 ug/l
RT: 8.366 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

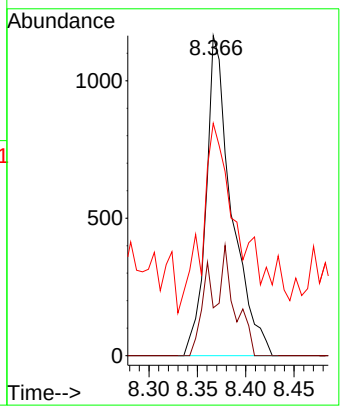
Tgt Ion: 75 Resp: 213

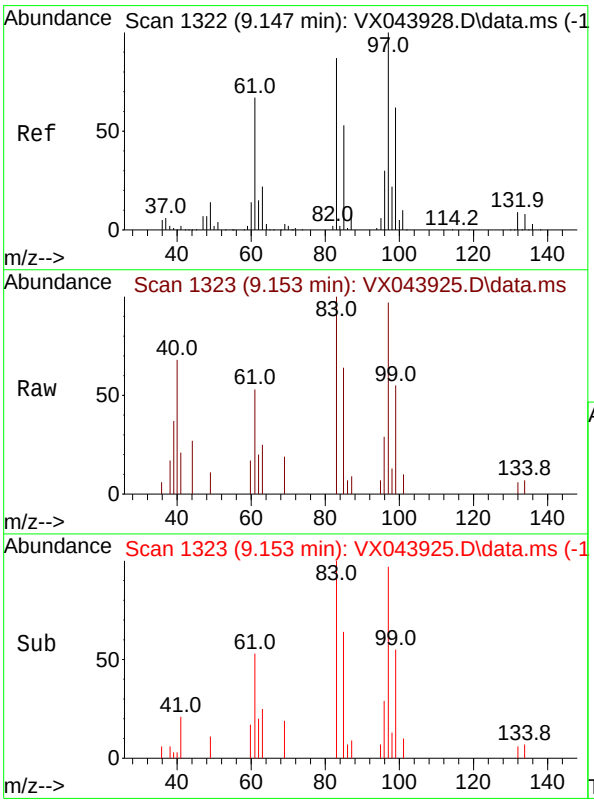
Ion	Ratio	Lower	Upper
75	100		
77	14.9	25.2	37.8#
39	59.3	43.1	64.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

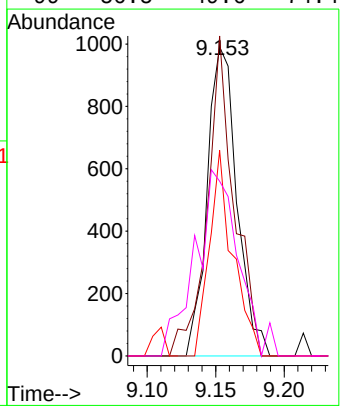


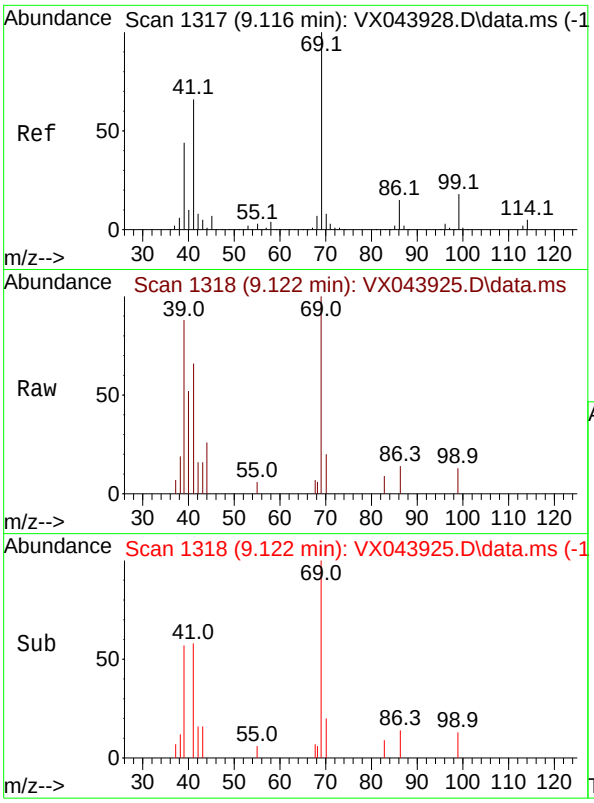


#55
1,1,2-Trichloroethane
Concen: 0.838 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 97 Resp: 1496

Ion	Ratio	Lower	Upper
97	100		
83	103.5	69.4	104.0
85	66.5	42.3	63.5#
99	56.5	49.6	74.4

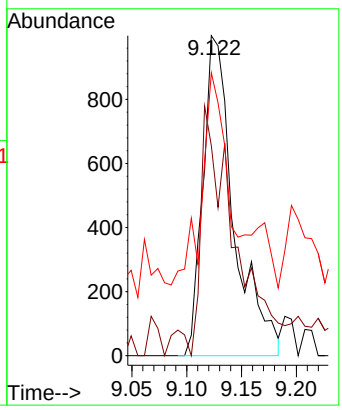




#56
Ethyl methacrylate
Concen: 0.709 ug/l
RT: 9.122 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 69 Resp: 197

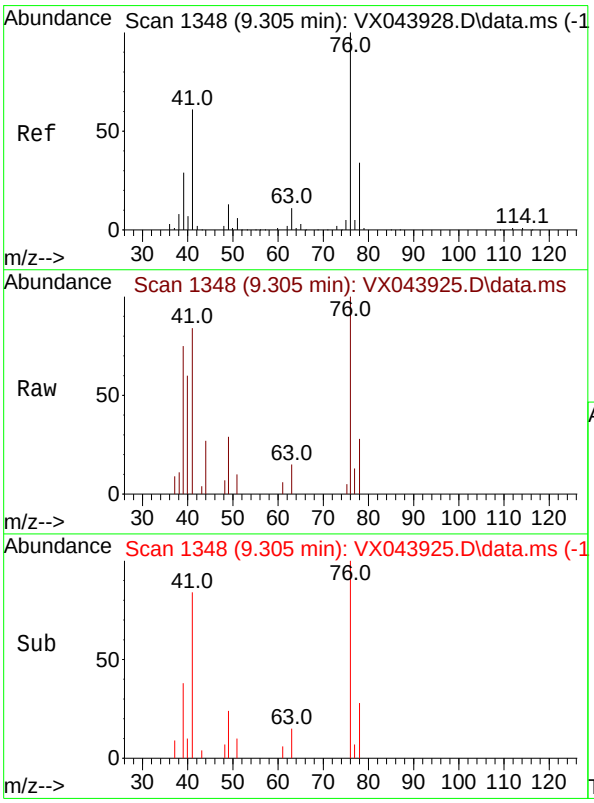
Ion	Ratio	Lower	Upper
69	100		
41	85.3	55.8	83.8#
39	56.7	36.7	55.1#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

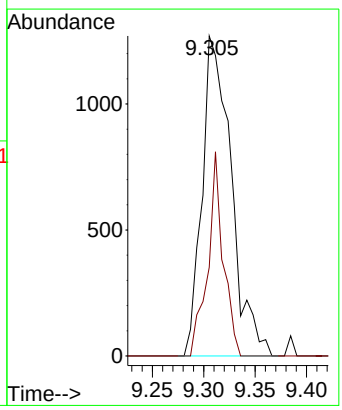
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

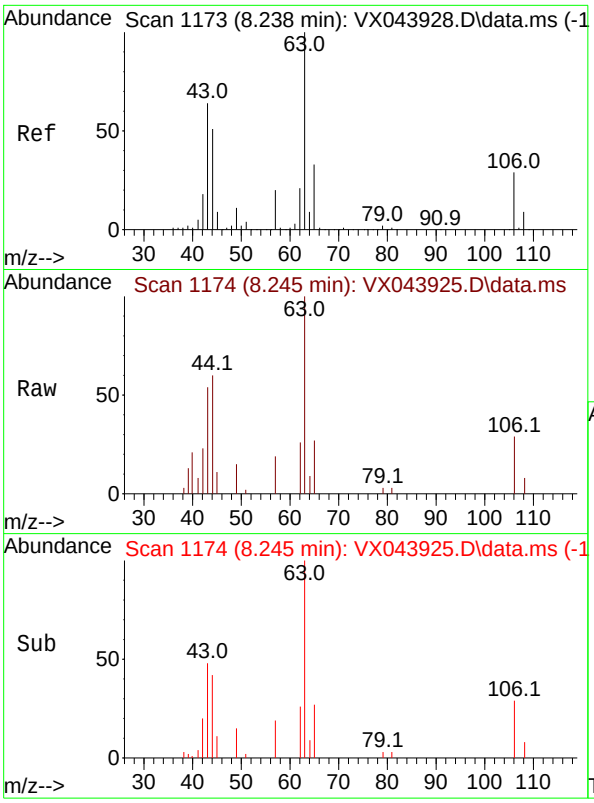


#57
1,3-Dichloropropane
Concen: 0.832 ug/l
RT: 9.305 min Scan# 1348
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 76 Resp: 2502

Ion	Ratio	Lower	Upper
76	100		
78	33.6	26.0	39.0





#58
2-Chloroethyl Vinyl ether
Concen: 2.662 ug/l
RT: 8.245 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

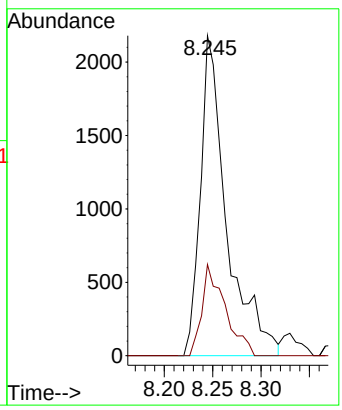
Tgt Ion: 63 Resp: 413

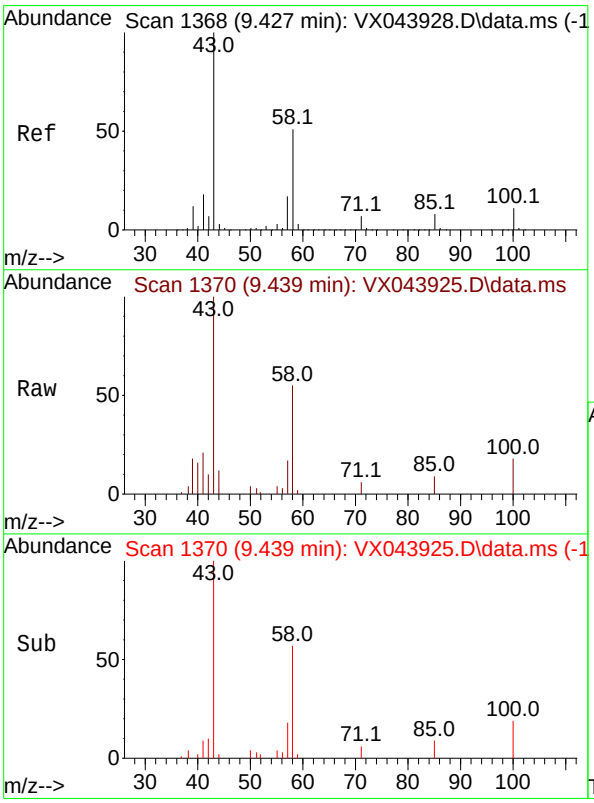
Ion	Ratio	Lower	Upper
63	100		
106	25.2	23.0	34.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

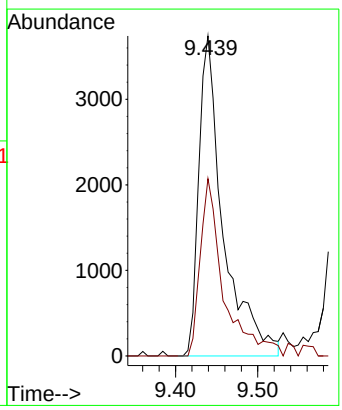


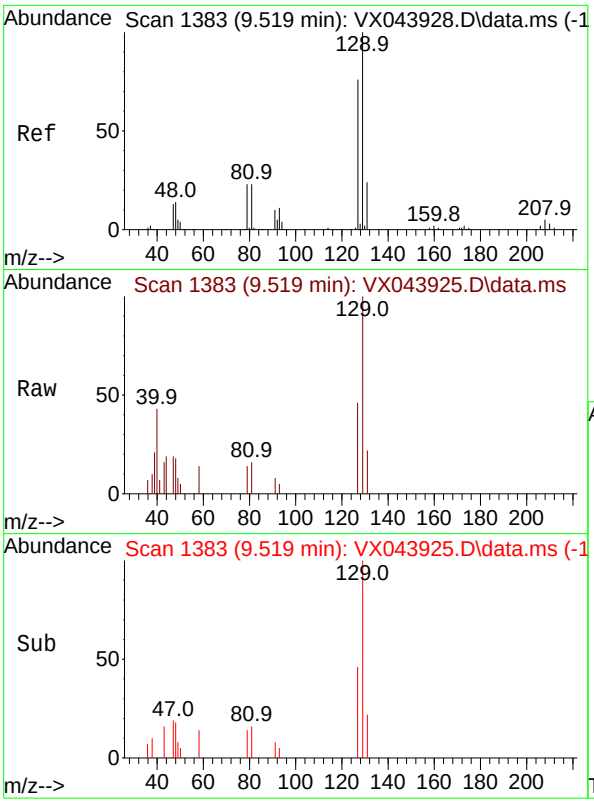


#59
2-Hexanone
Concen: 3.675 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 43 Resp: 7726

Ion	Ratio	Lower	Upper
43	100		
58	52.6	25.9	77.6

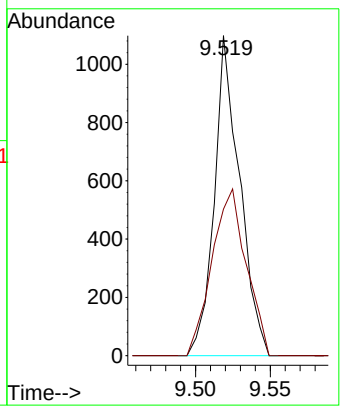




#60
Dibromochloromethane
Concen: 0.723 ug/l
RT: 9.519 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:129 Resp: 129

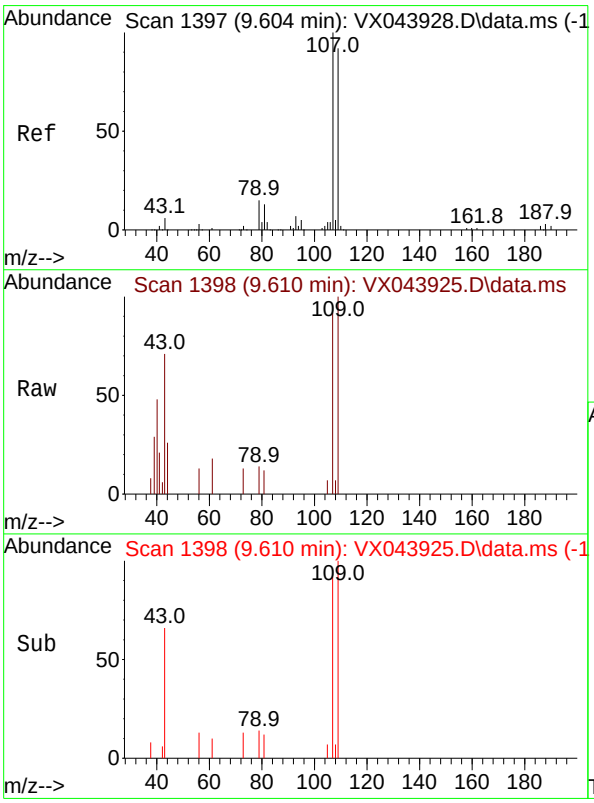
Ion	Ratio	Lower	Upper
129	100		
127	70.6	38.2	114.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

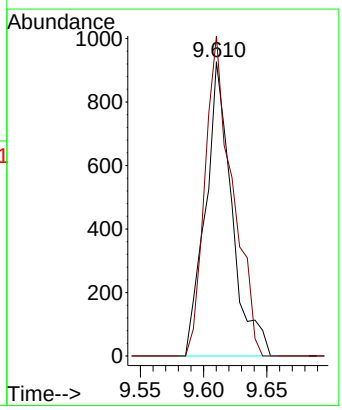
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

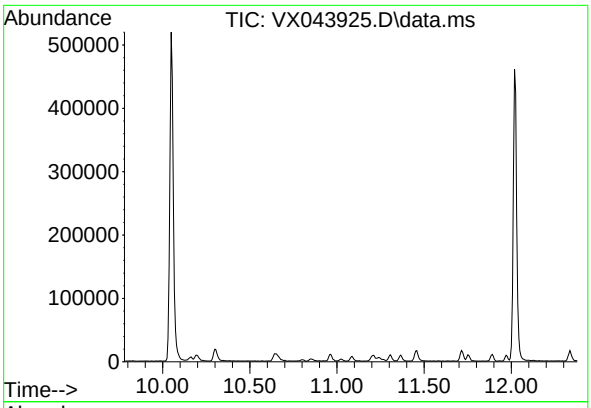


#61
1,2-Dibromoethane
Concen: 0.743 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:107 Resp: 1342

Ion	Ratio	Lower	Upper
107	100		
109	113.3	75.2	112.8#





#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 11.08 min

Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

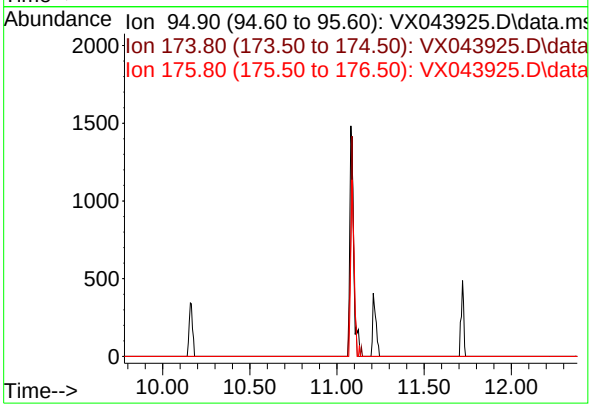
Tgt Ion: 95

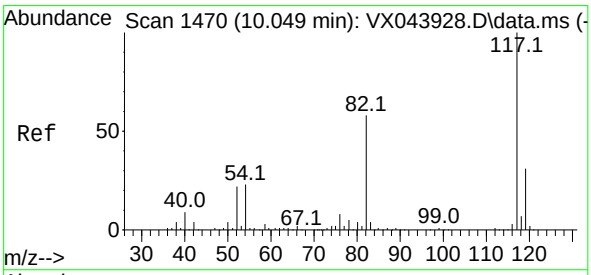
Sig	Exp Ratio
95	100
174	75.2
176	73.0

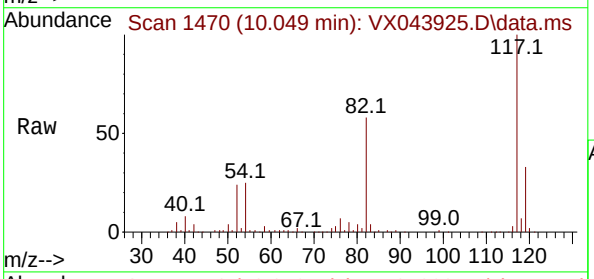
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

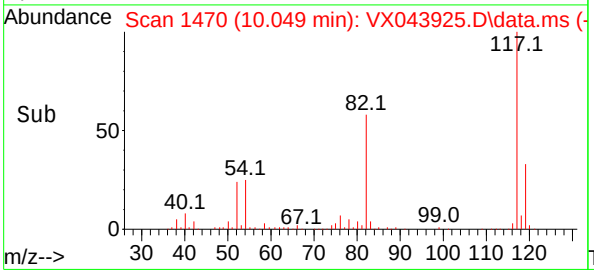
Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024





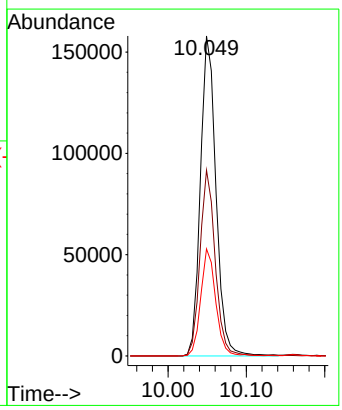


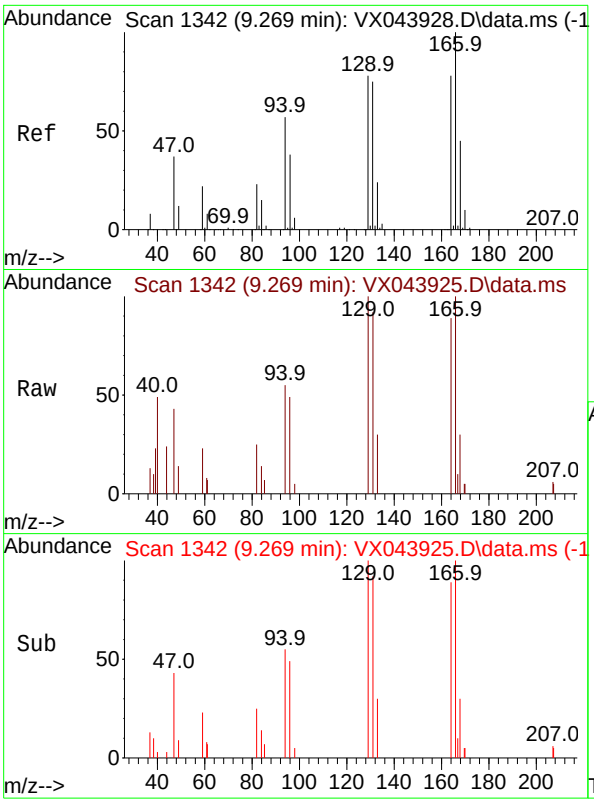


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:117 Resp: 218244

Ion	Ratio	Lower	Upper
117	100		
82	58.1	46.4	69.6
119	33.5	24.6	37.0

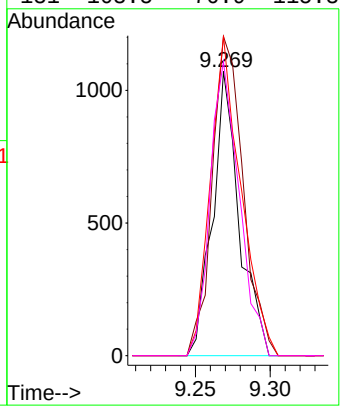




#64
Tetrachloroethene
Concen: 0.924 ug/l
RT: 9.269 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:164 Resp: 132

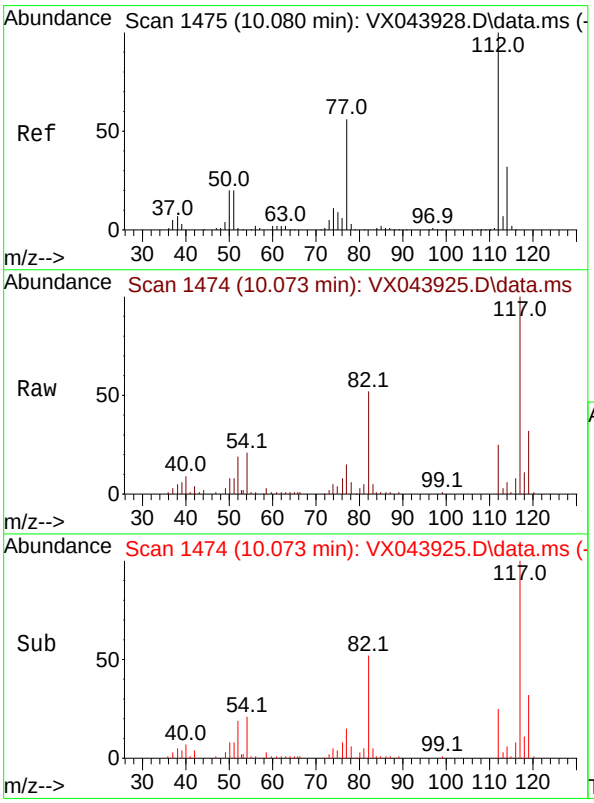
Ion	Ratio	Lower	Upper
164	100		
166	112.3	102.1	153.1
129	112.6	79.6	119.4
131	103.5	76.9	115.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

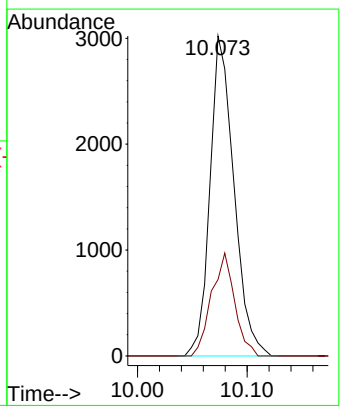
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

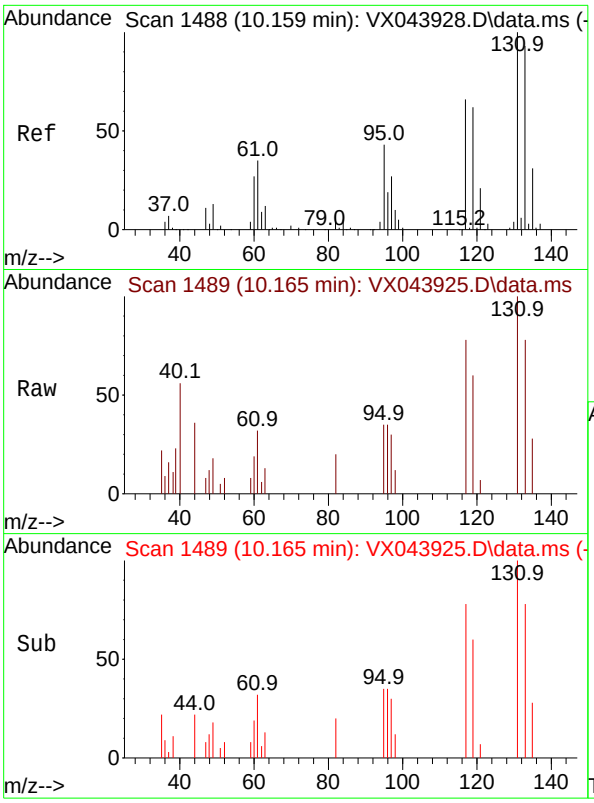


#65
Chlorobenzene
Concen: 0.957 ug/l
RT: 10.073 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:112 Resp: 4585

Ion	Ratio	Lower	Upper
112	100		
114	23.9	25.4	38.0#





#66
1,1,1,2-Tetrachloroethane
Concen: 0.731 ug/l
RT: 10.165 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

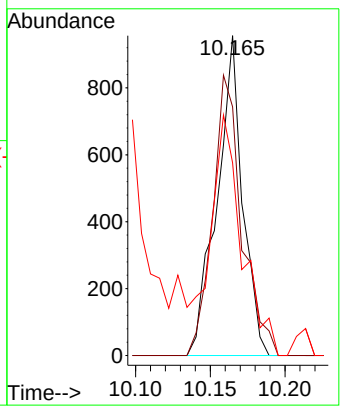
Tgt Ion:131 Resp: 113

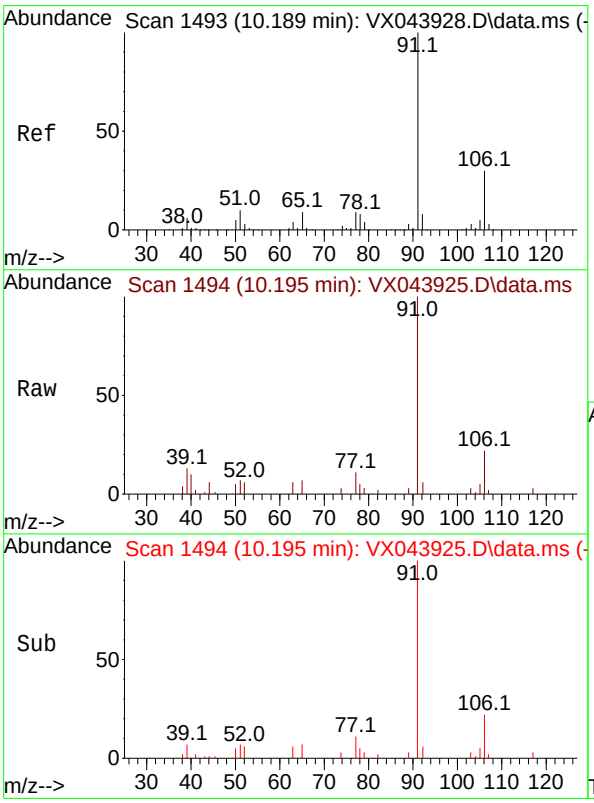
Ion	Ratio	Lower	Upper
131	100		
133	100.0	48.2	144.6
119	0.0	31.5	94.5#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

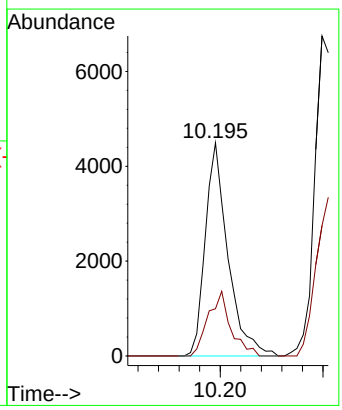


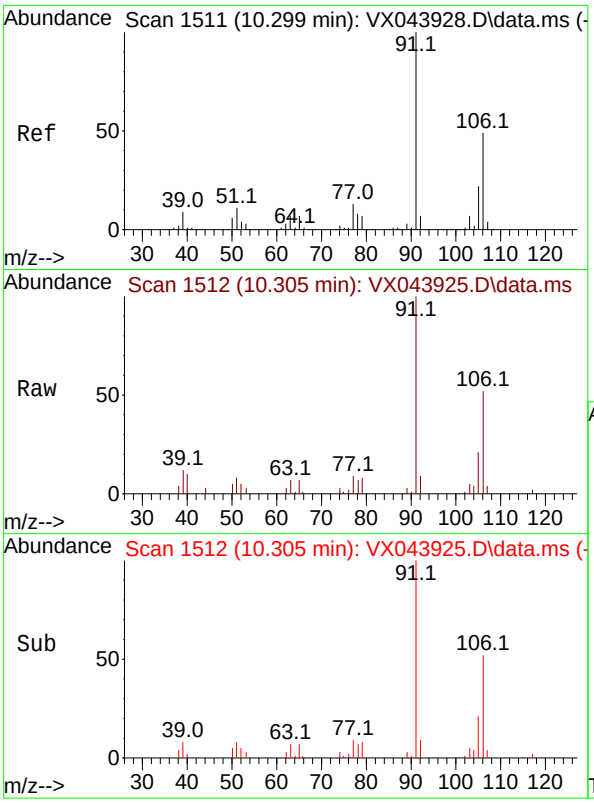


#67
Ethyl Benzene
Concen: 0.848 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 91 Resp: 6890

Ion	Ratio	Lower	Upper
91	100		
106	22.2	23.6	35.4#





#68
m/p-Xylenes
Concen: 1.758 ug/l
RT: 10.305 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

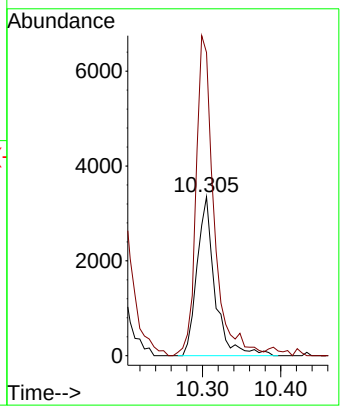
Tgt Ion:106 Resp: 532

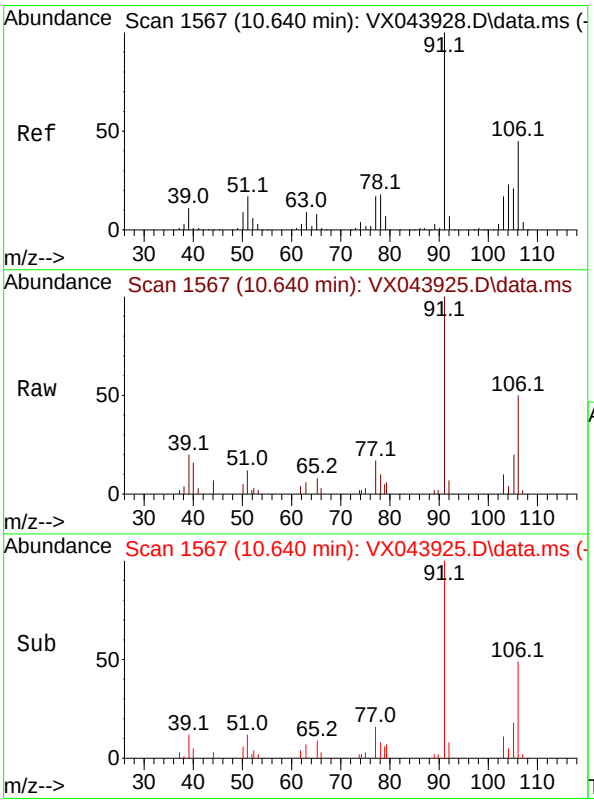
Ion	Ratio	Lower	Upper
106	100		
91	201.7	168.1	252.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

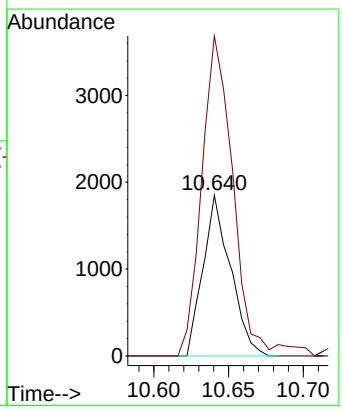


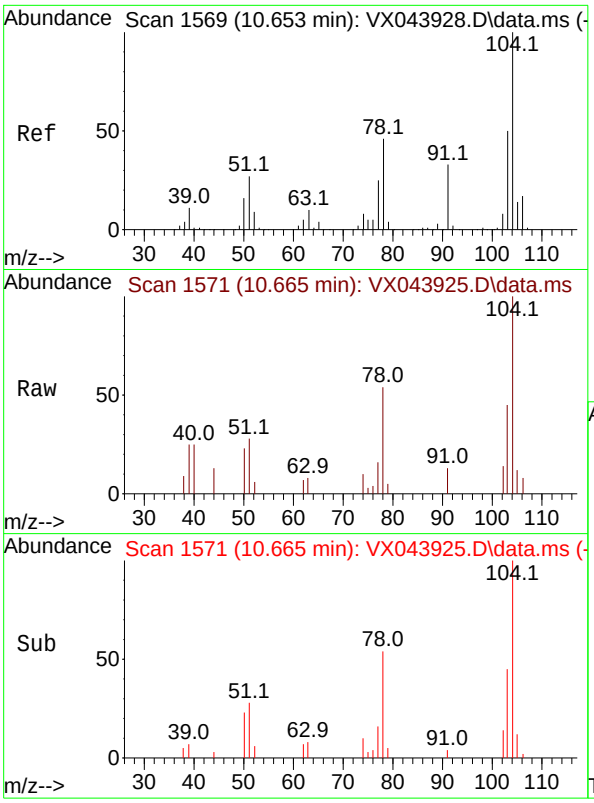


#69
o-Xylene
Concen: 0.801 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:106 Resp: 2370

Ion	Ratio	Lower	Upper
106	100		
91	228.1	110.2	330.6

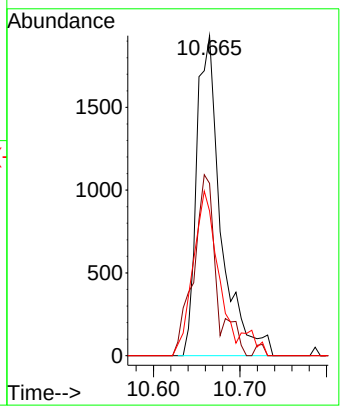




#70
Styrene
Concen: 0.767 ug/l
RT: 10.665 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:104 Resp: 375

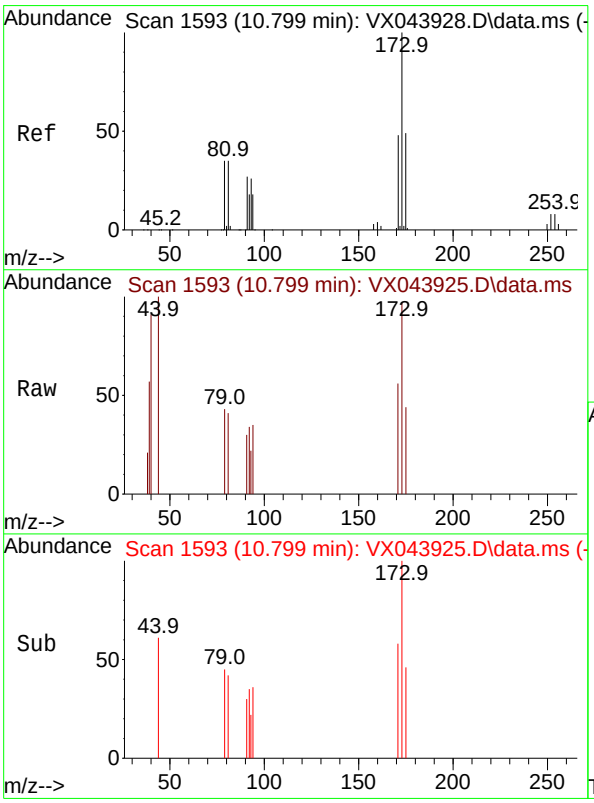
Ion	Ratio	Lower	Upper
104	100		
78	54.0	42.2	63.2
103	52.8	44.7	67.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

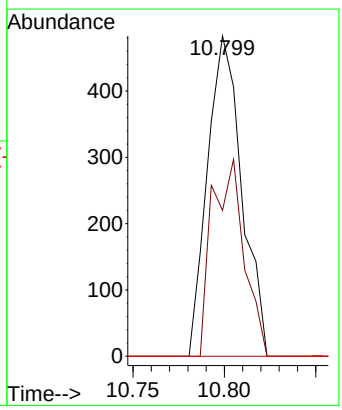
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

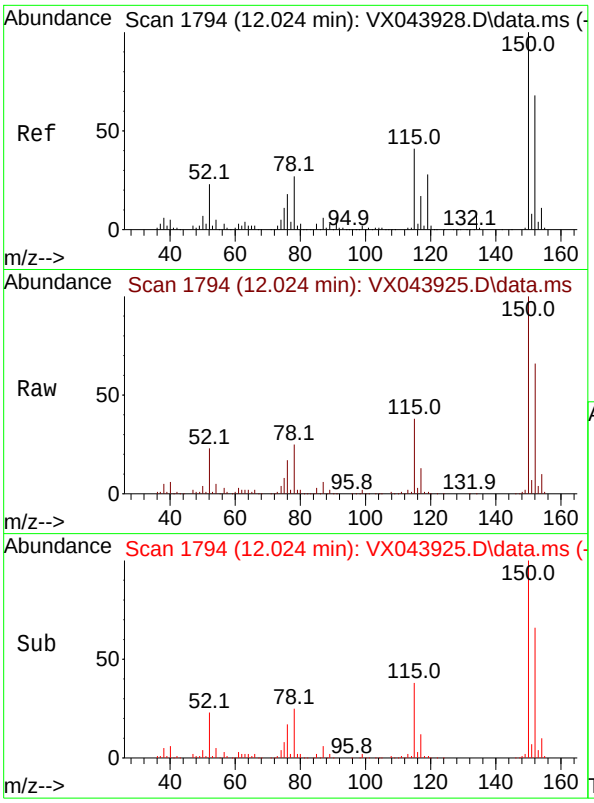


#71
Bromoform
Concen: 1.756 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:173 Resp: 632

Ion	Ratio	Lower	Upper
173	100		
175	57.1	24.1	72.2
254	0.0	0.0	0.0

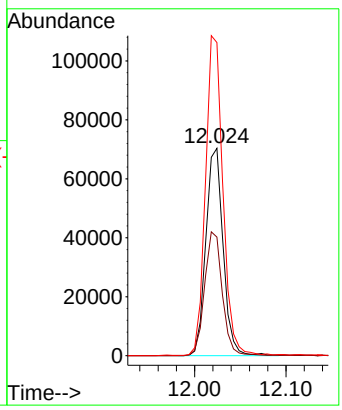




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:152 Resp: 9285

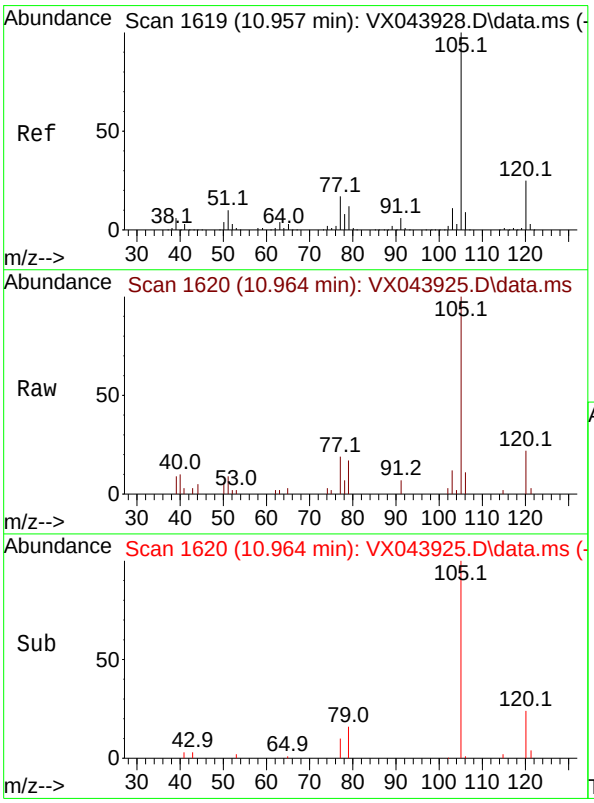
Ion	Ratio	Lower	Upper
152	100		
115	60.8	45.4	136.2
150	154.3	0.0	353.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

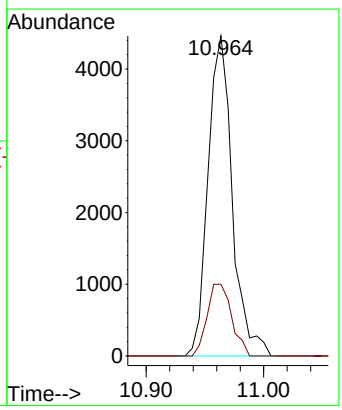
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

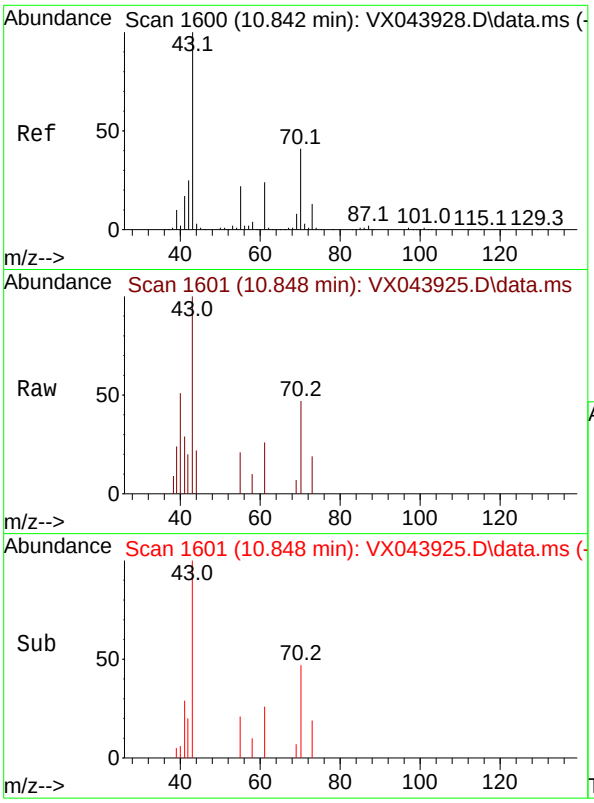


#73
Isopropylbenzene
Concen: 0.894 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:105 Resp: 6379

Ion	Ratio	Lower	Upper
105	100		
120	22.8	13.0	38.9

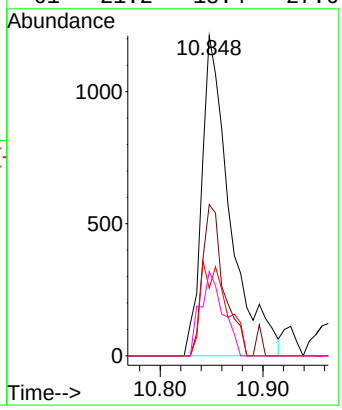




#74
N-amyl acetate
Concen: 0.701 ug/l
RT: 10.848 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 43 Resp: 231

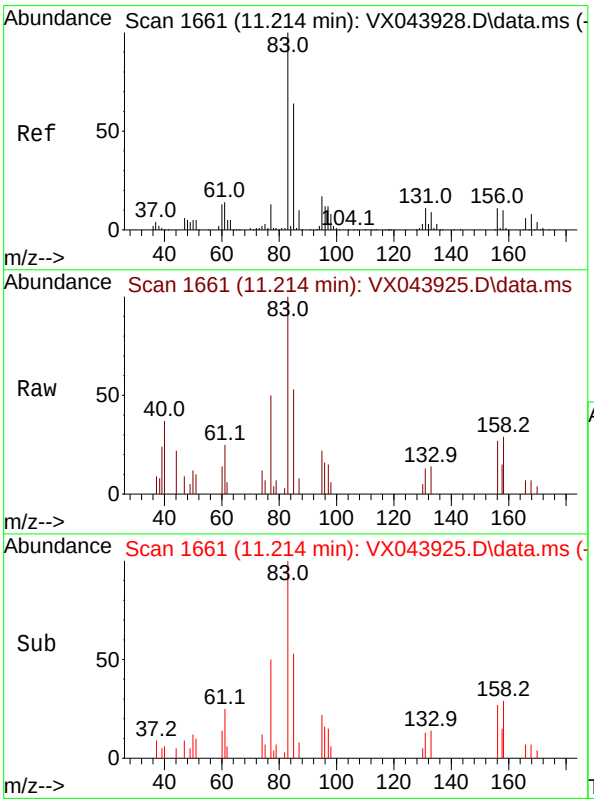
Ion	Ratio	Lower	Upper
43	100		
70	35.9	32.2	48.2
55	26.8	18.1	27.1
61	21.2	18.4	27.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

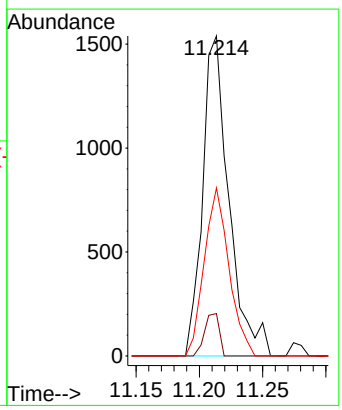
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

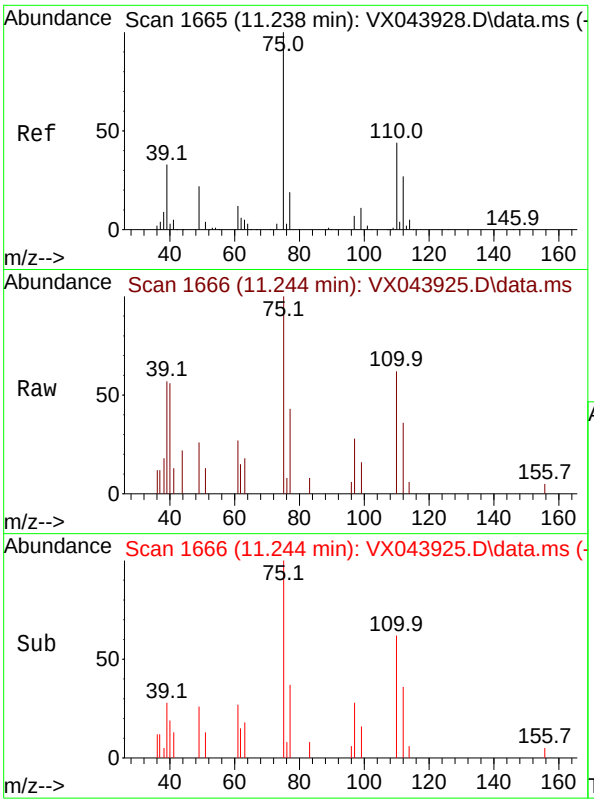


#75
1,1,2,2-Tetrachloroethane
Concen: 0.910 ug/l
RT: 11.214 min Scan# 1661
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 83 Resp: 2224

Ion	Ratio	Lower	Upper
83	100		
131	7.5	5.1	15.2
85	49.5	32.2	96.6





#76
1,2,3-Trichloropropane
Concen: 0.801 ug/l m
RT: 11.244 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

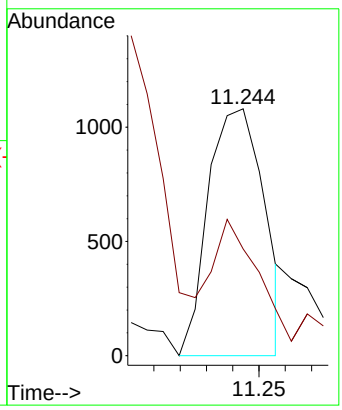
Tgt Ion: 75 Resp: 160

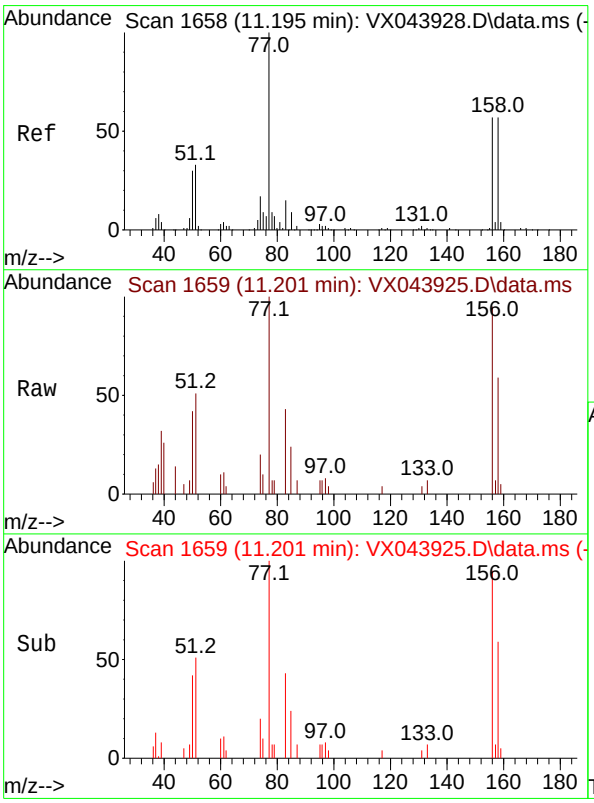
Ion	Ratio	Lower	Upper
75	100		
77	54.3	21.8	65.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

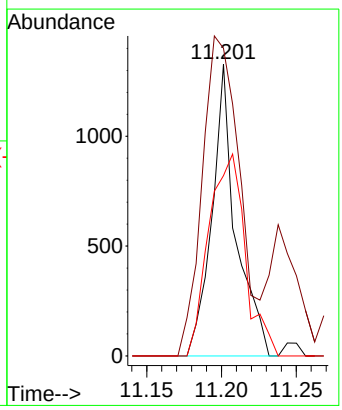


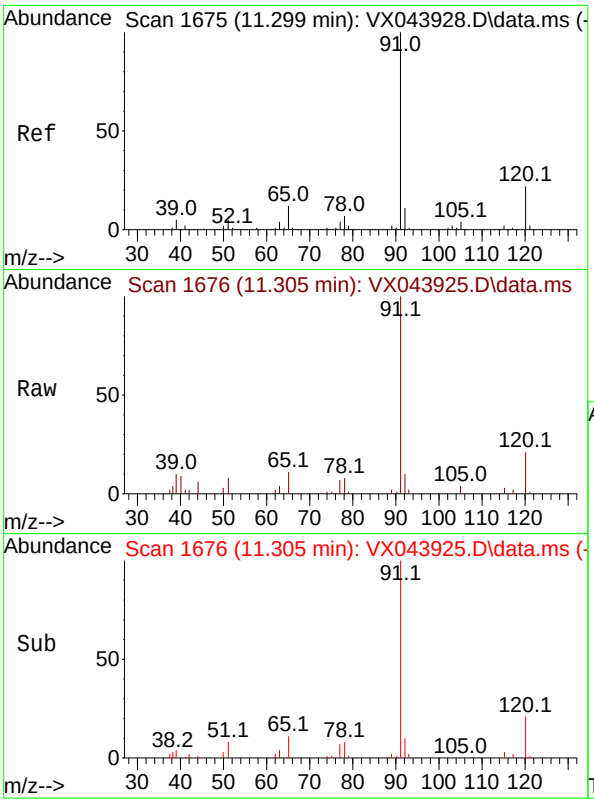


#77
Bromobenzene
Concen: 0.866 ug/l
RT: 11.201 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:156 Resp: 1475

Ion	Ratio	Lower	Upper
156	100		
77	171.7	83.4	250.1
158	105.1	47.6	142.8





#78
n-propylbenzene
Concen: 0.854 ug/l
RT: 11.305 min Scan# 1(
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

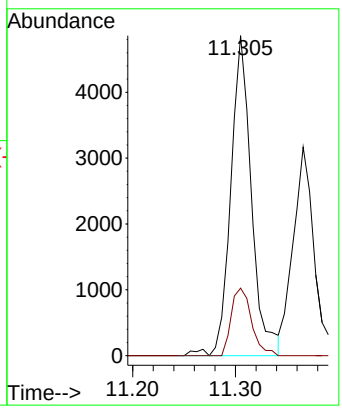
Tgt Ion: 91 Resp: 681(

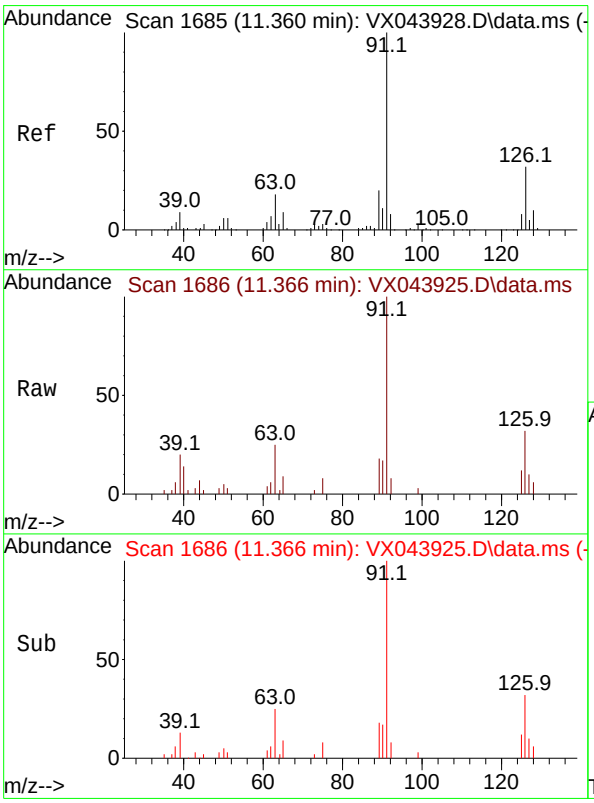
Ion	Ratio	Lower	Upper
91	100		
120	20.6	11.5	34.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

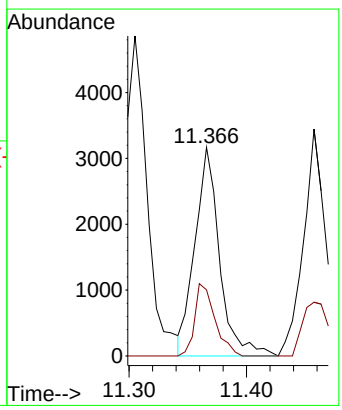


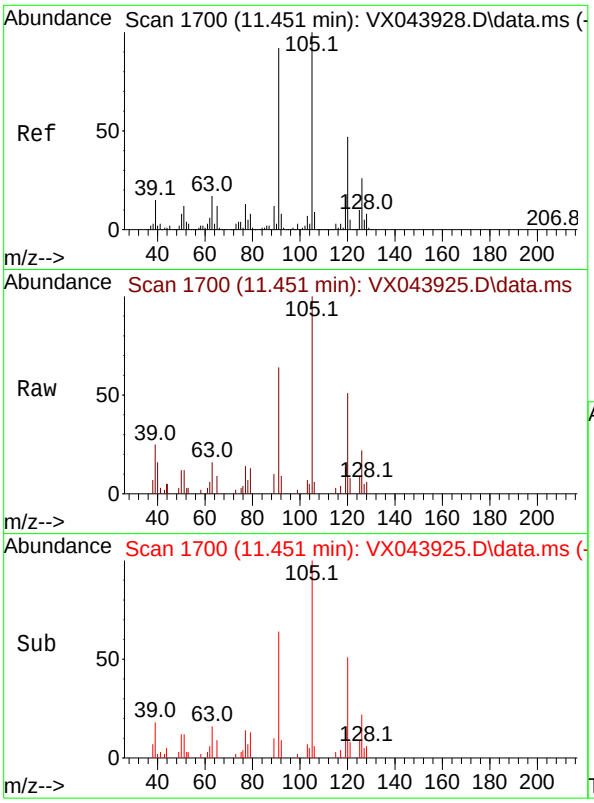


#79
2-Chlorotoluene
Concen: 0.916 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 91 Resp: 4618

Ion	Ratio	Lower	Upper
91	100		
126	28.5	16.6	49.8





#80
1,3,5-Trimethylbenzene
Concen: 0.855 ug/l
RT: 11.451 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

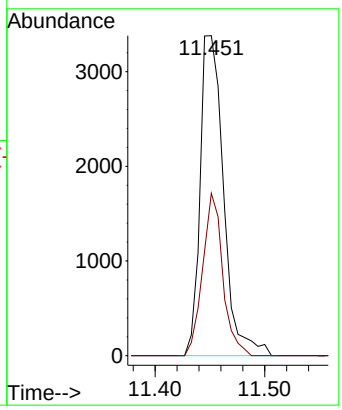
Tgt Ion:105 Resp: 502

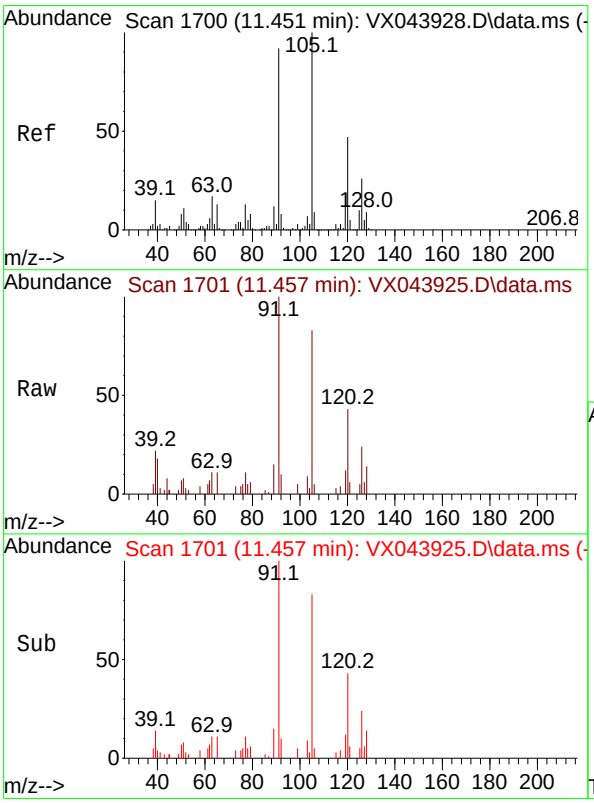
Ion	Ratio	Lower	Upper
105	100		
120	43.6	23.3	69.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

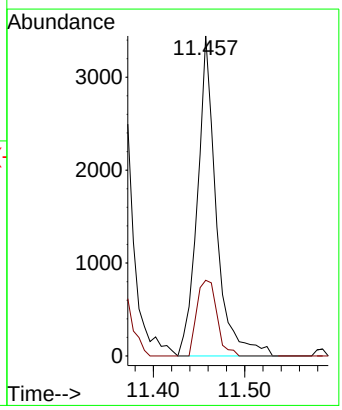


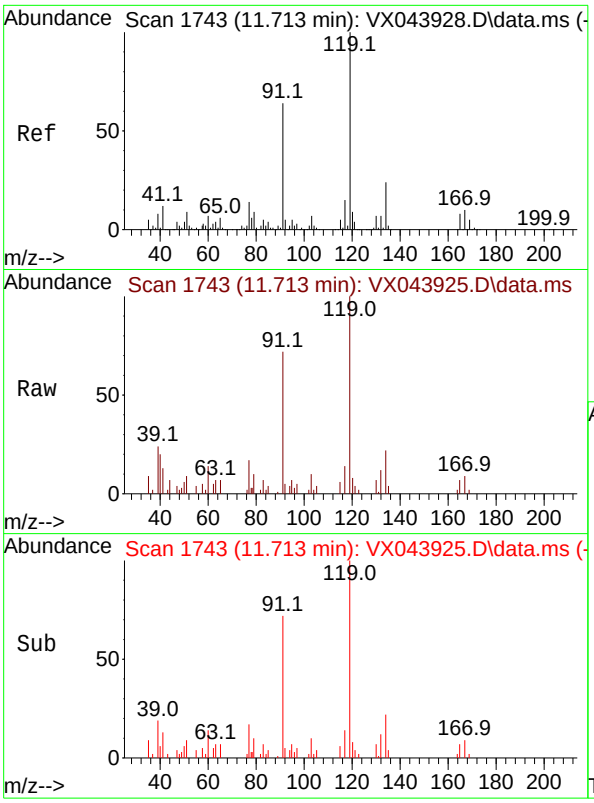


#82
4-Chlorotoluene
Concen: 0.868 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 91 Resp: 4940

Ion	Ratio	Lower	Upper
91	100		
126	25.2	14.3	42.9

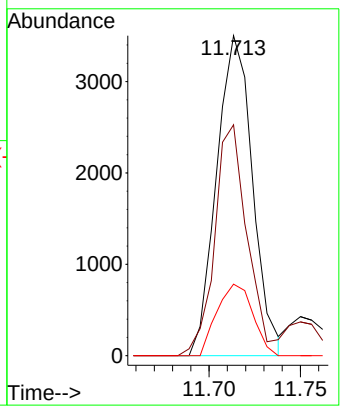




#83
tert-Butylbenzene
Concen: 0.824 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:119 Resp: 479

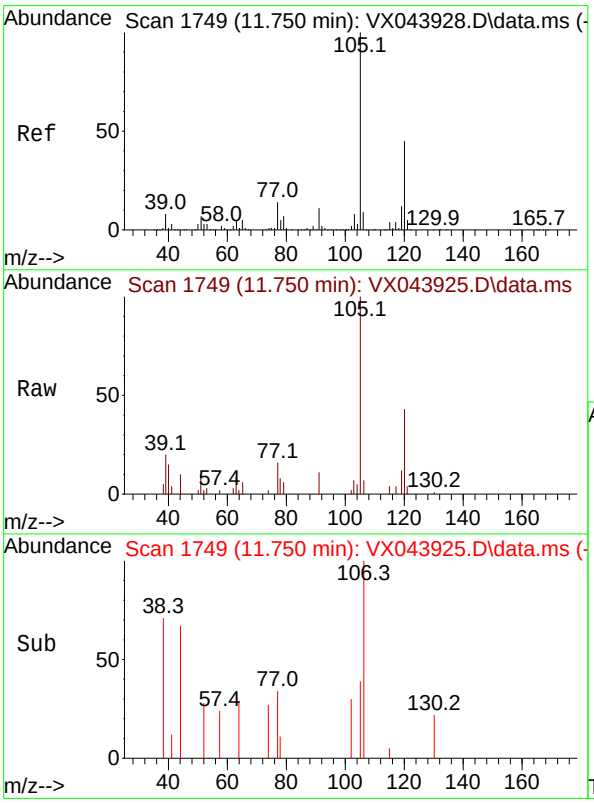
Ion	Ratio	Lower	Upper
119	100		
91	65.8	31.0	93.0
134	22.3	11.6	34.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

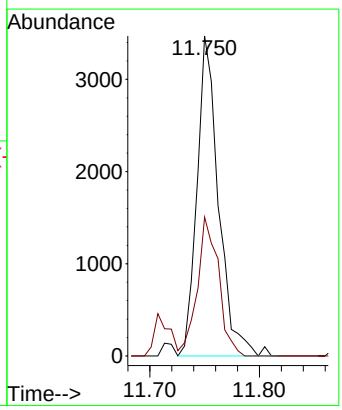
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

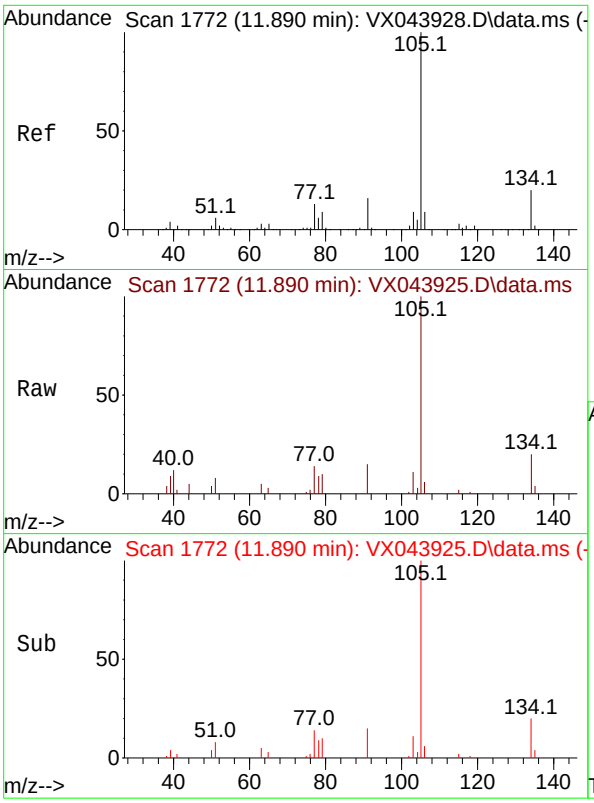


#84
1,2,4-Trimethylbenzene
Concen: 0.812 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:105 Resp: 4748

Ion	Ratio	Lower	Upper
105	100		
120	42.8	21.9	65.7

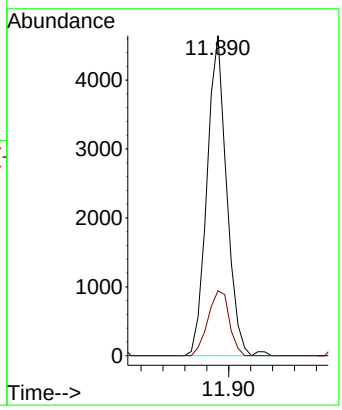




#85
sec-Butylbenzene
Concen: 0.812 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:105 Resp: 578

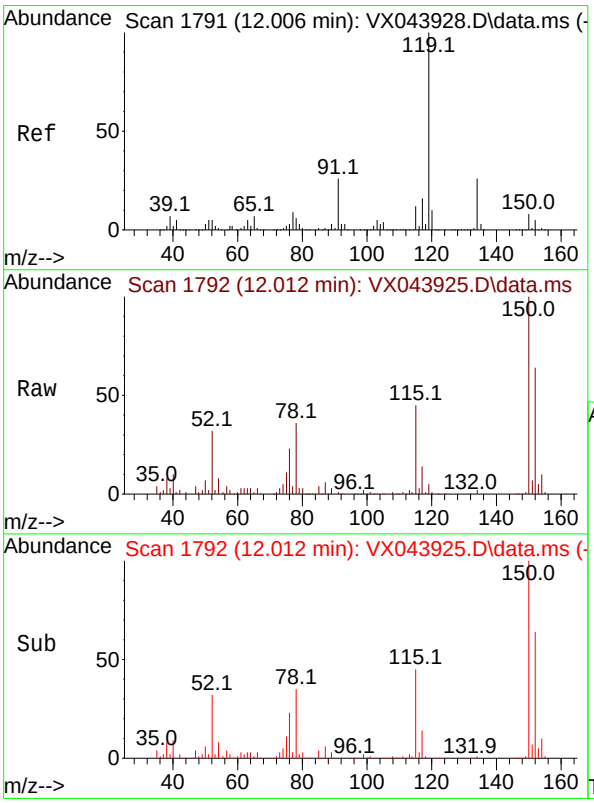
Ion	Ratio	Lower	Upper
105	100		
134	22.0	9.7	29.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

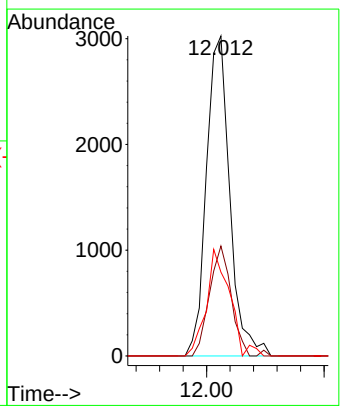
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

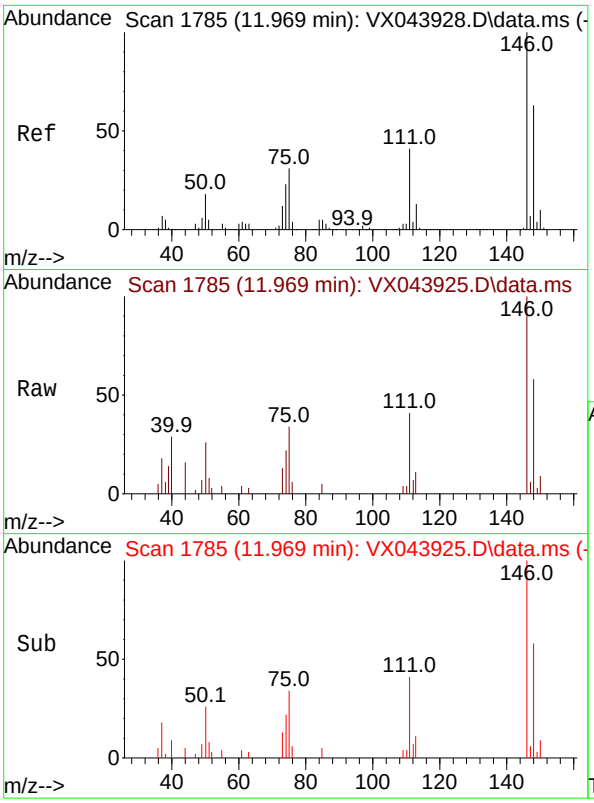


#86
p-Isopropyltoluene
Concen: 0.723 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:119 Resp: 4187

Ion	Ratio	Lower	Upper
119	100		
134	31.8	13.0	38.9
91	33.2	13.0	38.9

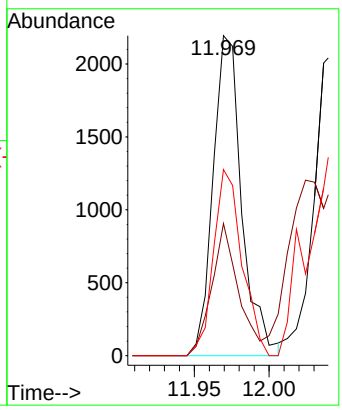




#87
1,3-Dichlorobenzene
Concen: 0.946 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:146 Resp: 293

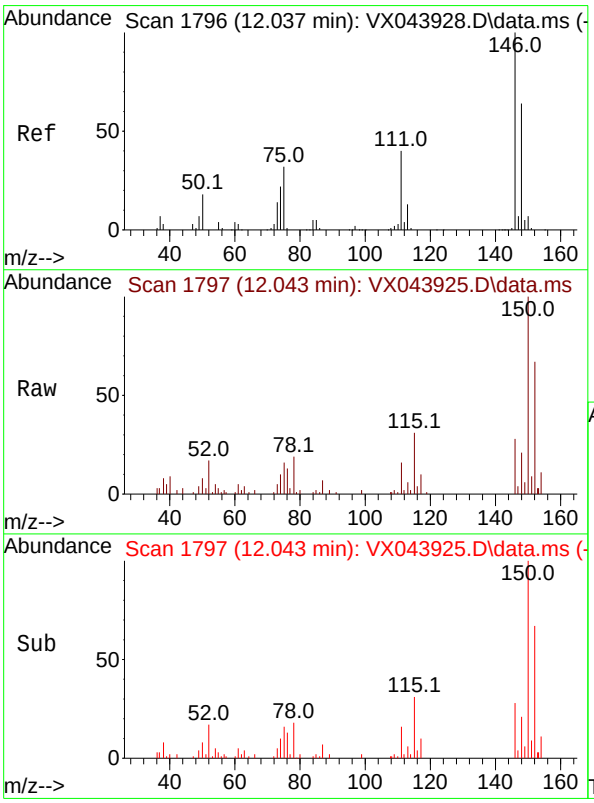
Ion	Ratio	Lower	Upper
146	100		
111	38.3	21.1	63.3
148	57.6	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

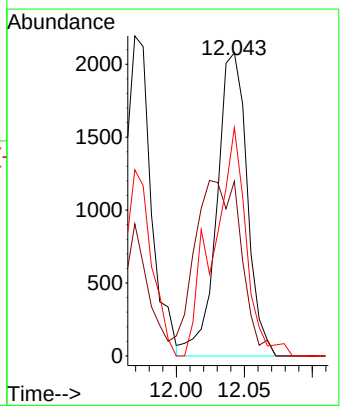
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

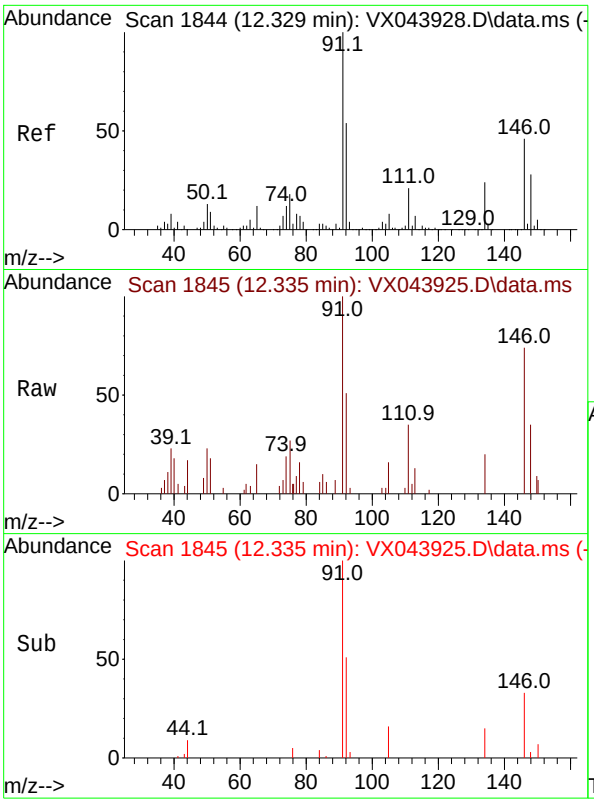


#88
1,4-Dichlorobenzene
Concen: 1.020 ug/l m
RT: 12.043 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:146 Resp: 3212

Ion	Ratio	Lower	Upper
146	100		
111	35.0	20.1	60.3
148	52.6	30.9	92.8

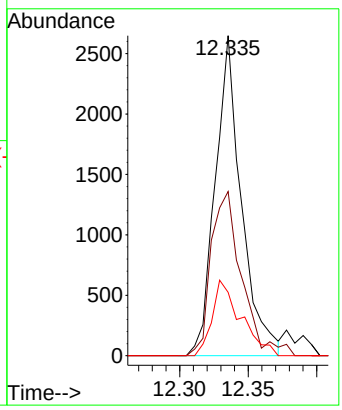




#89
n-Butylbenzene
Concen: 0.690 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 91 Resp: 352

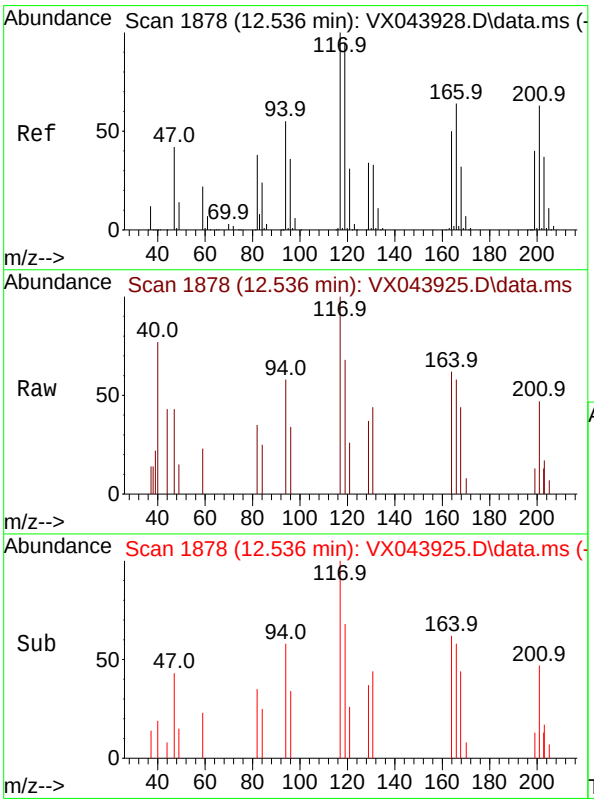
Ion	Ratio	Lower	Upper
91	100		
92	59.8	26.6	79.8
134	25.8	12.4	37.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

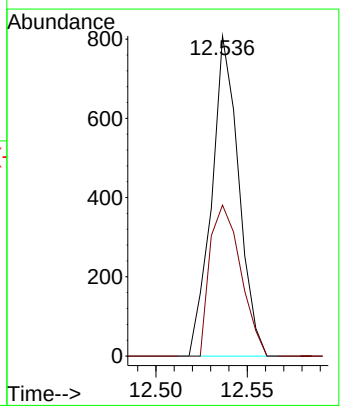
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

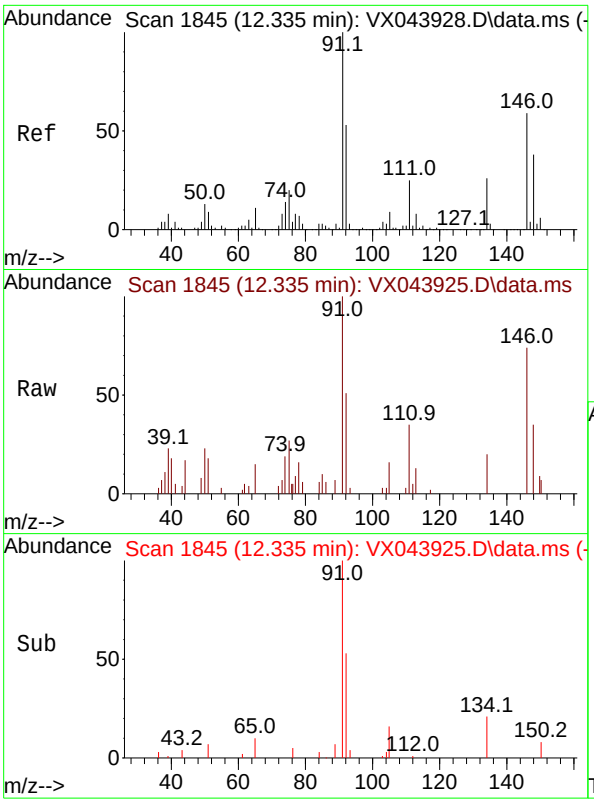


#90
Hexachloroethane
Concen: 0.848 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:117 Resp: 835

Ion	Ratio	Lower	Upper
117	100		
201	53.7	32.4	97.0





#91
1,2-Dichlorobenzene
Concen: 0.893 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

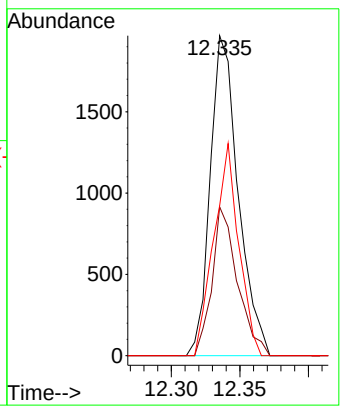
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

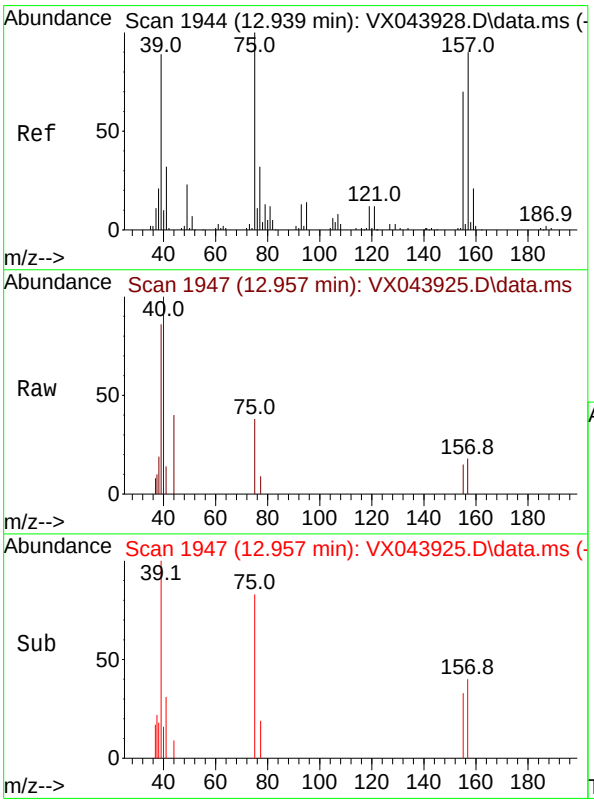
Tgt Ion:146 Resp: 279

Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.5	64.5
148	58.8	31.9	95.5

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

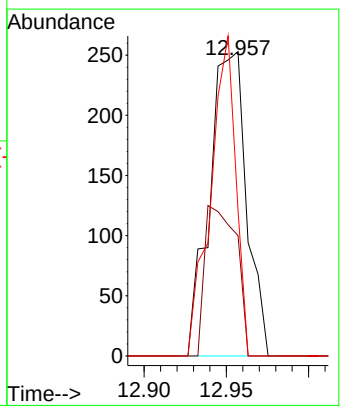


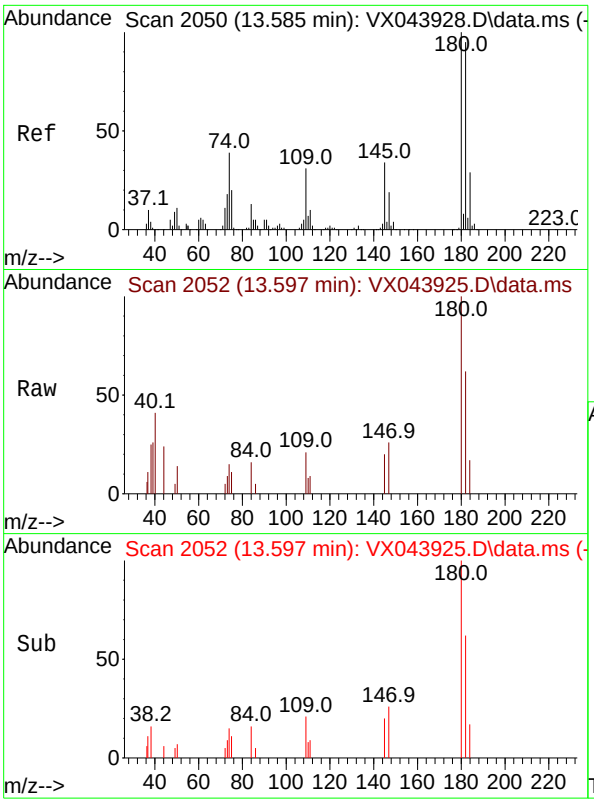


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.807 ug/l
RT: 12.957 min Scan# 1947
Delta R.T. 0.018 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 75 Resp: 395

Ion	Ratio	Lower	Upper
75	100		
155	42.0	40.1	120.2
157	71.6	49.6	149.0

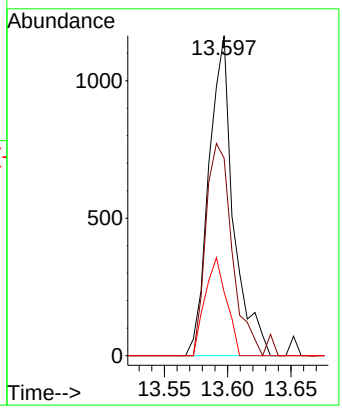




#93
1,2,4-Trichlorobenzene
Concen: 0.854 ug/l
RT: 13.597 min Scan# 2
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:180 Resp: 157

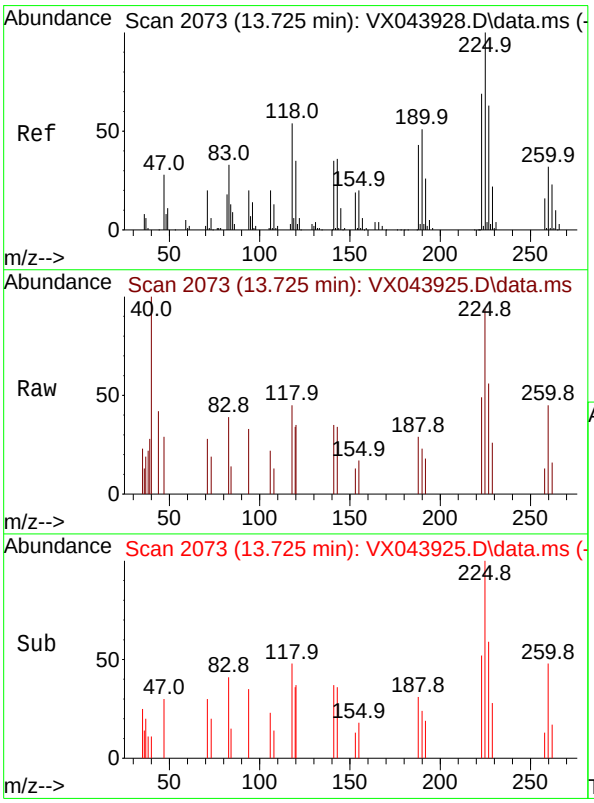
Ion	Ratio	Lower	Upper
180	100		
182	70.6	48.0	144.2
145	26.6	16.8	50.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

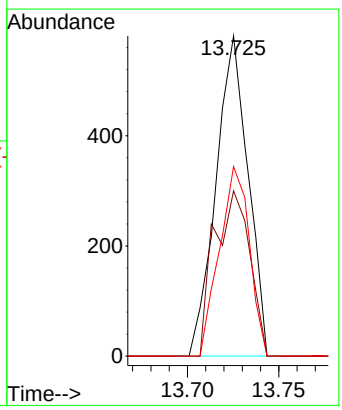
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

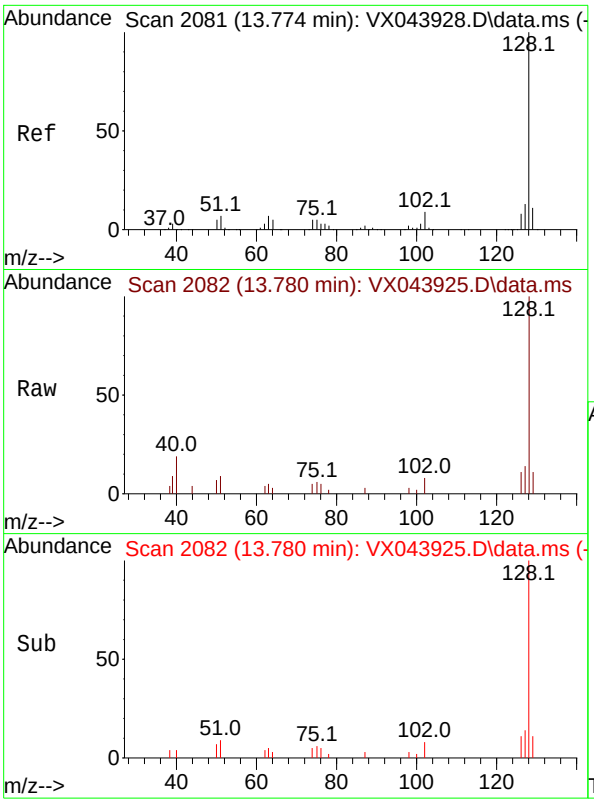


#94
Hexachlorobutadiene
Concen: 0.972 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:225 Resp: 709

Ion	Ratio	Lower	Upper
225	100		
223	57.1	32.9	98.6
227	55.3	31.6	94.8

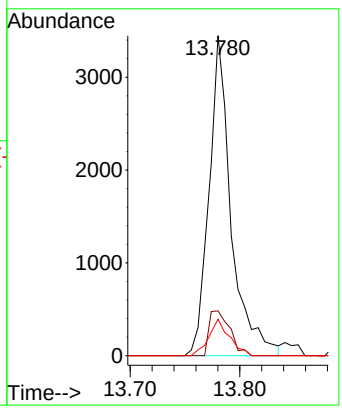




#95
Naphthalene
Concen: 0.728 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:128 Resp: 483

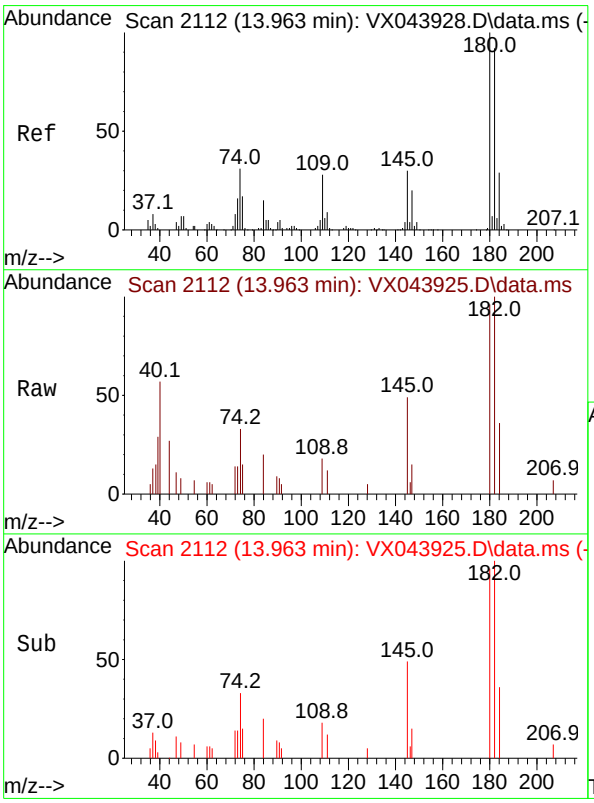
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	10.6	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

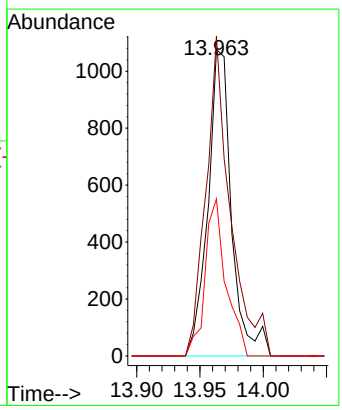
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#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	45.6	136.8
145	45.3	16.4	49.4



Quantitation Report (QT 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 22 03:28:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 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	4.997	ug/l	87
3) Chloromethane	1.294	50	9980	4.965	ug/l	98
4) Vinyl Chloride	1.373	62	10682	4.996	ug/l	100
5) Bromomethane	1.593	94	6415	4.877	ug/l	90
6) Chloroethane	1.666	64	6474	4.969	ug/l	99
7) Trichlorofluoromethane	1.867	101	19099	4.996	ug/l	91
8) Diethyl Ether	2.129	74	6480	4.651	ug/l	88
9) 1,1,2-Trichlorotrifluo...	2.318	101	8824	4.839	ug/l	98
10) Methyl Iodide	2.440	142	9897	4.346	ug/l	98
11) Tert butyl alcohol	2.995	59	9278m	22.349	ug/l	
12) 1,1-Dichloroethene	2.306	96	7987	4.597	ug/l	87
13) Acrolein	2.239	56	11940	27.287	ug/l	97
14) Allyl chloride	2.654	41	12874	4.534	ug/l	96
15) Acrylonitrile	3.062	53	24290	24.010	ug/l	99
16) Acetone	2.385	43	29886	25.159	ug/l	95
17) Carbon Disulfide	2.495	76	14415	4.022	ug/l #	94
18) Methyl Acetate	2.702	43	13127	4.745	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	30022	4.759	ug/l #	88
20) Methylene Chloride	2.782	84	9895	4.909	ug/l	95
21) trans-1,2-Dichloroethene	3.080	96	8486	4.730	ug/l #	80
22) Diisopropyl ether	3.757	45	29102	4.794	ug/l #	65
23) Vinyl Acetate	3.721	43	116242	22.382	ug/l	100
24) 1,1-Dichloroethane	3.599	63	16857	4.813	ug/l	98
25) 2-Butanone	4.568	43	36680	23.931	ug/l	96
26) 2,2-Dichloropropane	4.458	77	15040	4.755	ug/l #	76
27) cis-1,2-Dichloroethene	4.477	96	10153	4.579	ug/l	96
28) Bromochloromethane	4.891	49	9210	5.974	ug/l	100
29) Tetrahydrofuran	5.007	42	23518	25.028	ug/l	96
30) Chloroform	5.086	83	18661	4.954	ug/l	97
31) Cyclohexane	5.458	56	13740	4.767	ug/l #	85
32) 1,1,1-Trichloroethane	5.379	97	15162	4.667	ug/l	96
36) 1,1-Dichloropropene	5.690	75	11406	4.834	ug/l	97
37) Ethyl Acetate	4.720	43	14551m	4.968	ug/l	
38) Carbon Tetrachloride	5.665	117	12348	4.658	ug/l	97
39) Methylcyclohexane	7.372	83	14721	4.803	ug/l	95
40) Benzene	6.031	78	36283	4.937	ug/l	94

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 22 03:28:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 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	4.907	ug/l	#	95
42) 1,2-Dichloroethane	6.080	62	14467	4.901	ug/l		99
43) Isopropyl Acetate	6.348	43	22267	4.777	ug/l		99
44) Trichloroethene	7.128	130	9852	4.736	ug/l		92
45) 1,2-Dichloropropane	7.427	63	8525	4.736	ug/l		91
46) Dibromomethane	7.586	93	6372	4.475	ug/l		93
47) Bromodichloromethane	7.823	83	11249	4.405	ug/l		96
48) Methyl methacrylate	7.695	41	10190	4.556	ug/l		95
49) 1,4-Dioxane	7.677	88	4090m	106.070	ug/l		
51) 4-Methyl-2-Pentanone	8.573	43	69843	24.556	ug/l		97
52) Toluene	8.714	92	22218	5.051	ug/l		96
53) t-1,3-Dichloropropene	8.982	75	10937	4.200	ug/l		94
54) cis-1,3-Dichloropropene	8.366	75	12253	4.292	ug/l		94
55) 1,1,2-Trichloroethane	9.152	97	9000	4.957	ug/l		94
56) Ethyl methacrylate	9.116	69	12381	4.378	ug/l		96
57) 1,3-Dichloropropane	9.311	76	15211	4.973	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.238	63	43351	27.673	ug/l		100
59) 2-Hexanone	9.433	43	52072	24.357	ug/l		100
60) Dibromochloromethane	9.518	129	7738	4.247	ug/l		99
61) 1,2-Dibromoethane	9.610	107	8985	4.894	ug/l		98
64) Tetrachloroethene	9.274	164	7642	5.185	ug/l		93
65) Chlorobenzene	10.079	112	24792	5.050	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.158	131	7421	4.661	ug/l		96
67) Ethyl Benzene	10.195	91	40927	4.920	ug/l		95
68) m/p-Xylenes	10.305	106	29635	9.553	ug/l		99
69) o-Xylene	10.640	106	14856	4.905	ug/l		98
70) Styrene	10.658	104	22907	4.573	ug/l		97
71) Bromoform	10.799	173	4476	5.004	ug/l	#	99
73) Isopropylbenzene	10.957	105	37958	5.109	ug/l		99
74) N-amyl acetate	10.841	43	15928	4.627	ug/l		97
75) 1,1,2,2-Tetrachloroethane	11.213	83	13107	5.152	ug/l		100
76) 1,2,3-Trichloropropane	11.237	75	12040m	5.776	ug/l		
77) Bromobenzene	11.195	156	9259	5.224	ug/l		97
78) n-propylbenzene	11.305	91	39774	4.793	ug/l		98
79) 2-Chlorotoluene	11.366	91	26740	5.096	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	30114	4.926	ug/l		97
81) trans-1,4-Dichloro-2-b...	11.018	75	2880	3.707	ug/l	#	77
82) 4-Chlorotoluene	11.451	91	29049	4.903	ug/l		96
83) tert-Butylbenzene	11.713	119	29934	4.940	ug/l		97
84) 1,2,4-Trimethylbenzene	11.750	105	30674	5.040	ug/l		97
85) sec-Butylbenzene	11.890	105	37899	5.105	ug/l		96
86) p-Isopropyltoluene	12.006	119	29412	4.878	ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	16008	4.959	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	15837	4.831	ug/l		89
89) n-Butylbenzene	12.335	91	24938	4.691	ug/l		99
90) Hexachloroethane	12.536	117	4279	4.173	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	16747	5.140	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	2454	4.814	ug/l		85
93) 1,2,4-Trichlorobenzene	13.591	180	8746	4.553	ug/l		98
94) Hexachlorobutadiene	13.725	225	3713	4.891	ug/l		97
95) Naphthalene	13.774	128	32485	4.698	ug/l		99
96) 1,2,3-Trichlorobenzene	13.963	180	9280	4.773	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

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 22 03:28:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 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

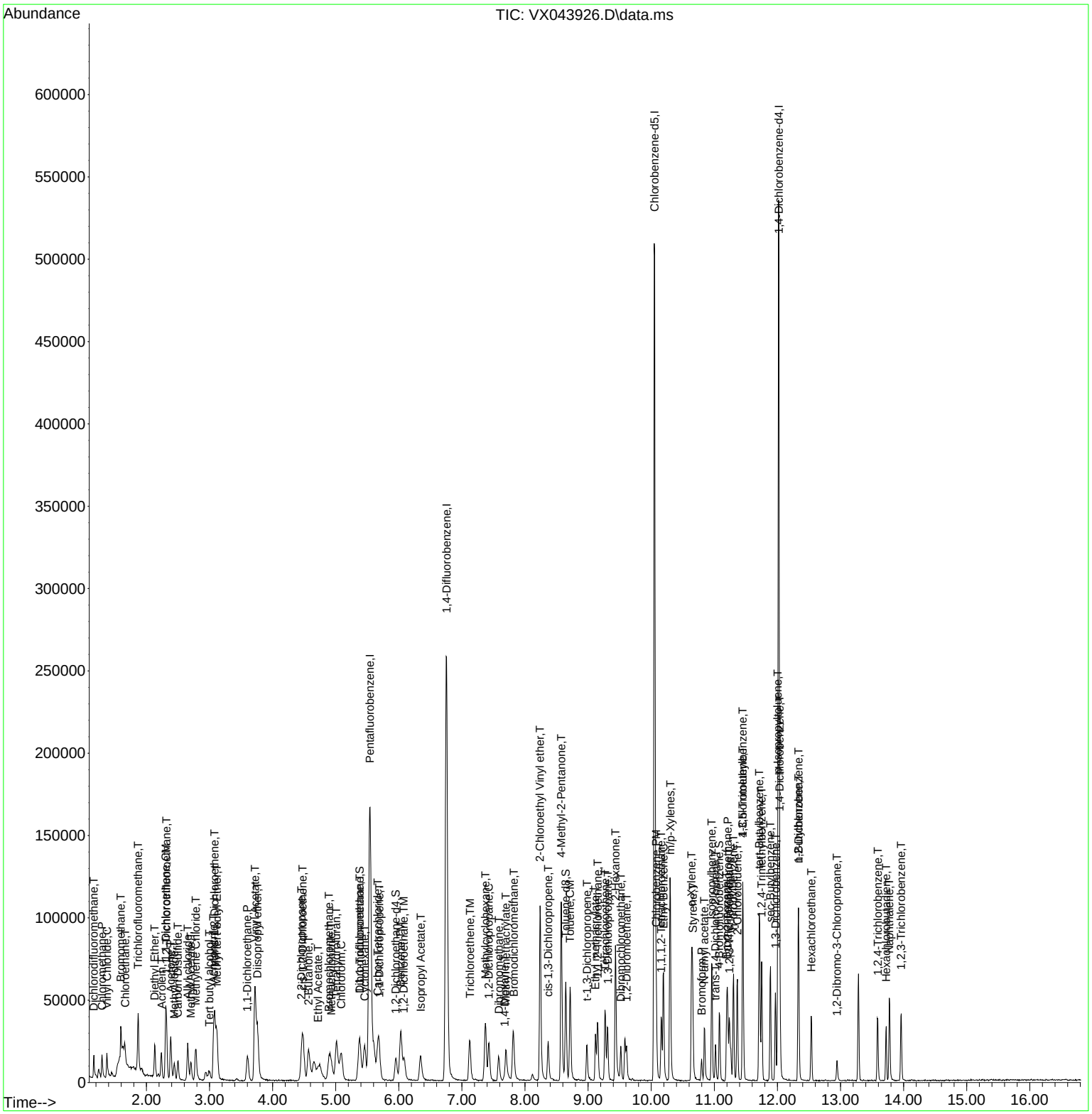
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043926.D
Acq On : 21 Nov 2024 10:14
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

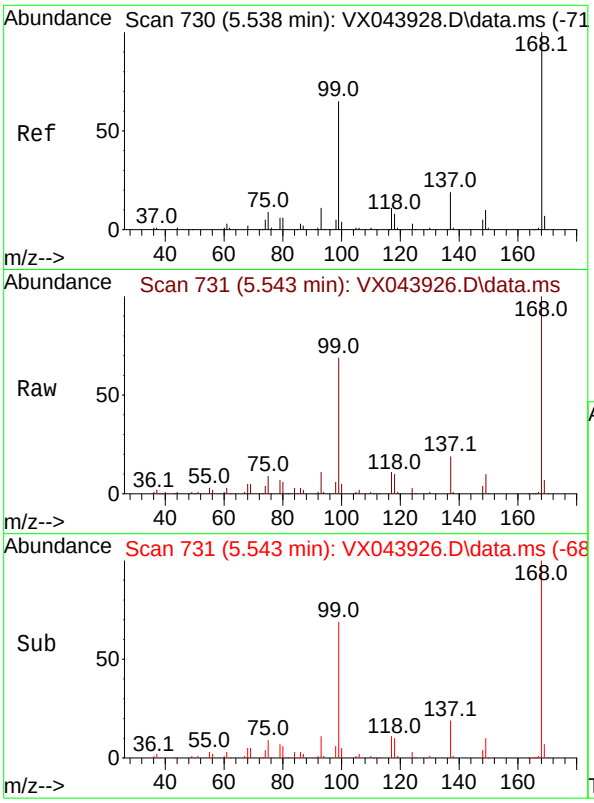
Quant Time: Nov 22 03:28:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

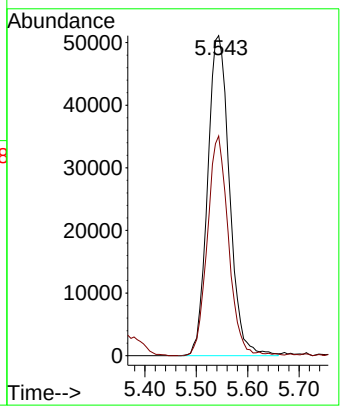




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. 0.005 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:168 Resp: 15079

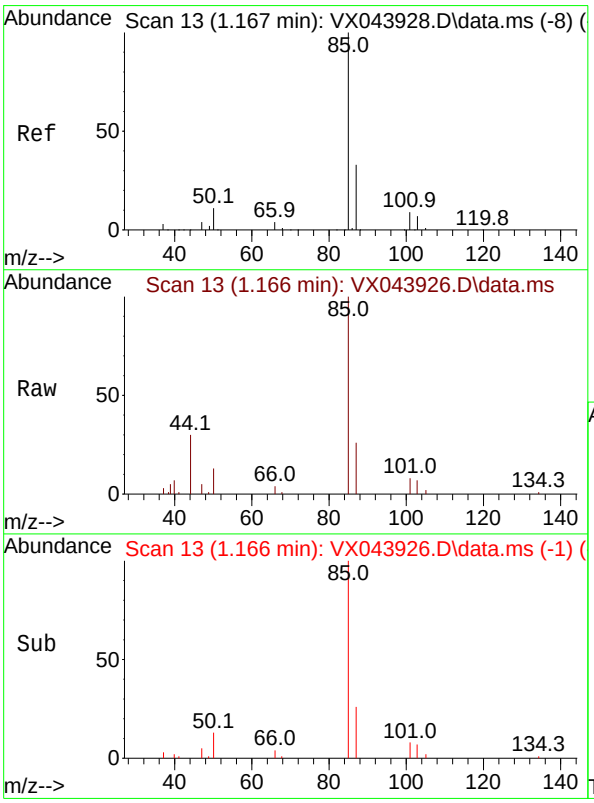
Ion	Ratio	Lower	Upper
168	100		
99	68.6	51.8	77.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

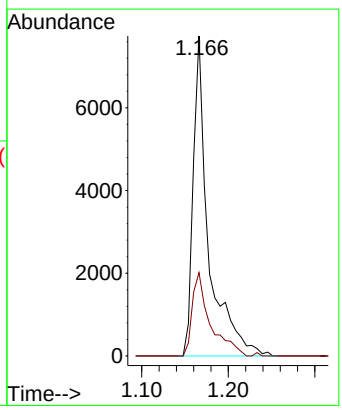
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

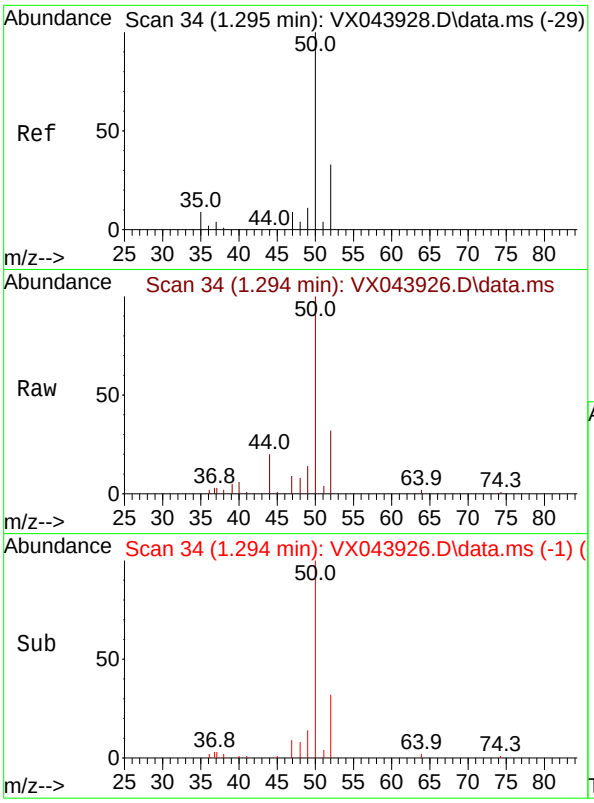


#2
Dichlorodifluoromethane
Concen: 4.997 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 85 Resp: 9545

Ion	Ratio	Lower	Upper
85	100		
87	26.0	16.6	49.8

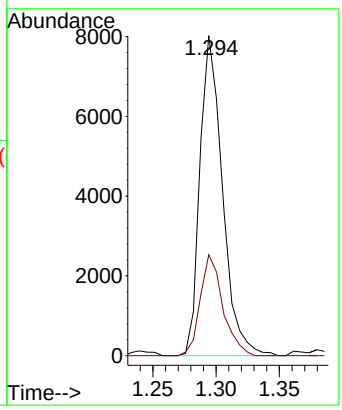




#3
Chloromethane
Concen: 4.965 ug/l
RT: 1.294 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 50 Resp: 998

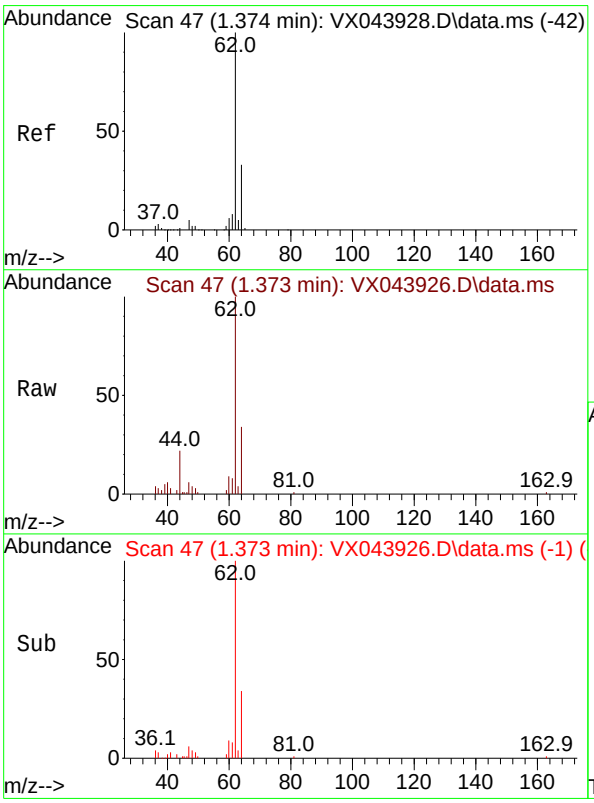
Ion	Ratio	Lower	Upper
50	100		
52	31.5	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

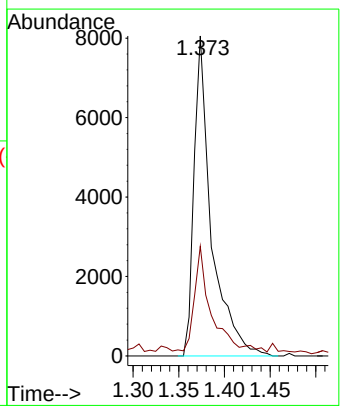
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

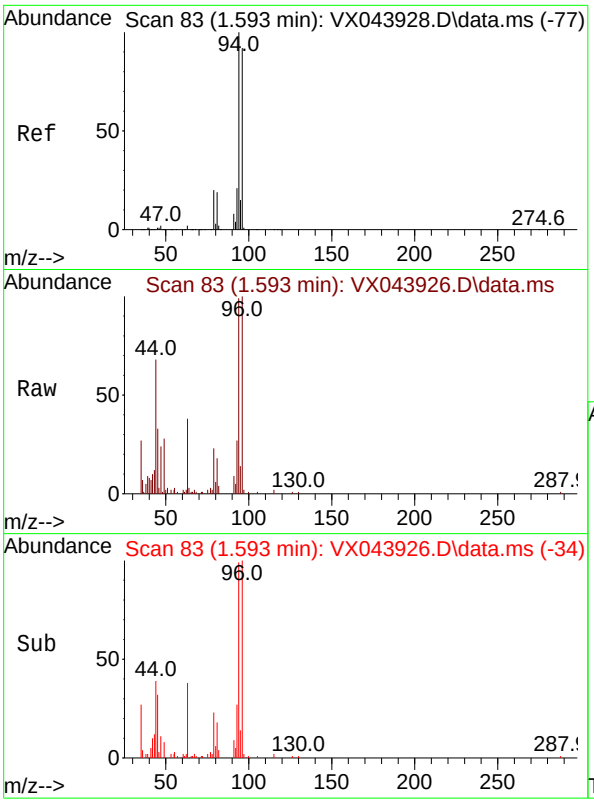


#4
Vinyl Chloride
Concen: 4.996 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 62 Resp: 10682

Ion	Ratio	Lower	Upper
62	100		
64	32.8	26.2	39.4

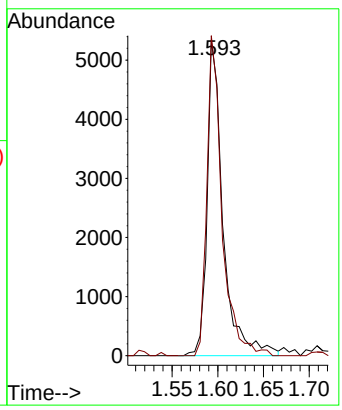




#5
Bromomethane
Concen: 4.877 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 94 Resp: 641

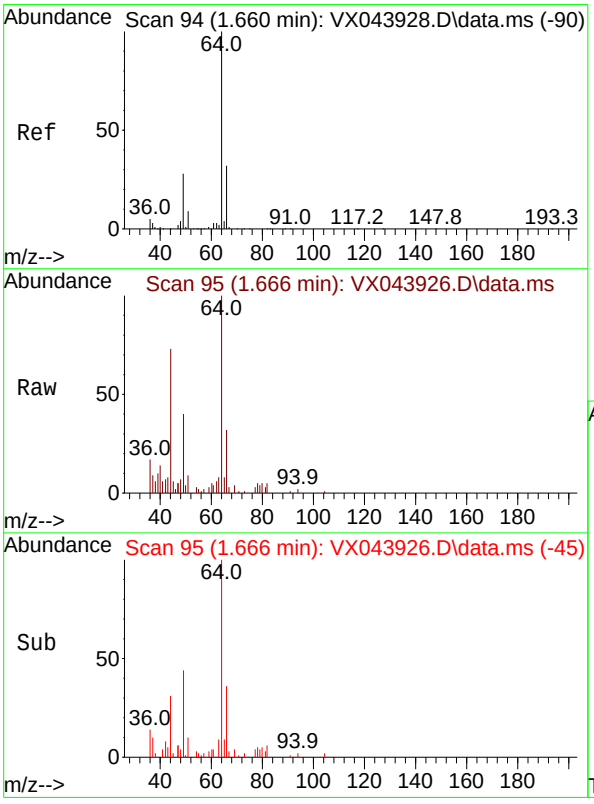
Ion	Ratio	Lower	Upper
94	100		
96	101.5	73.9	110.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

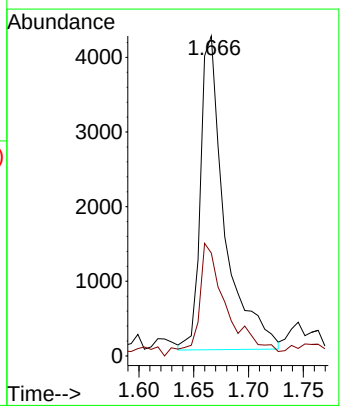
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

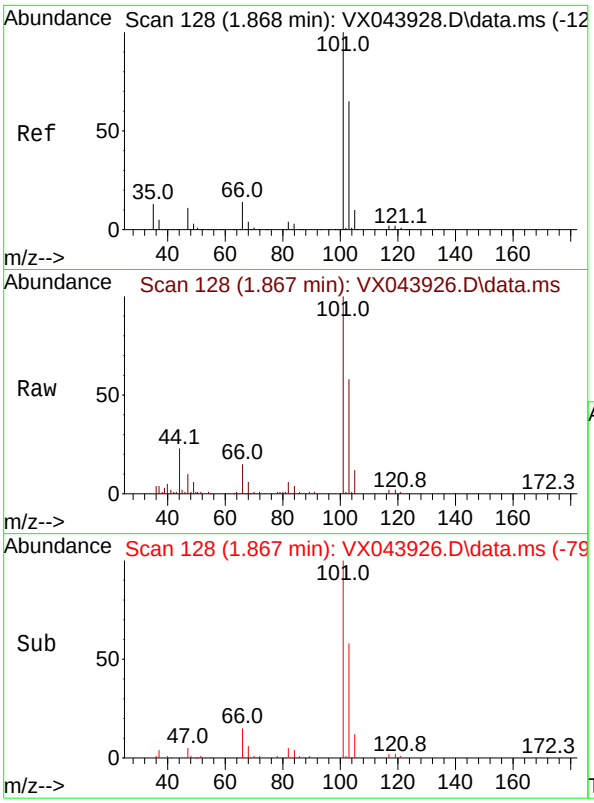


#6
Chloroethane
Concen: 4.969 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 64 Resp: 6474

Ion	Ratio	Lower	Upper
64	100		
66	31.8	25.9	38.9

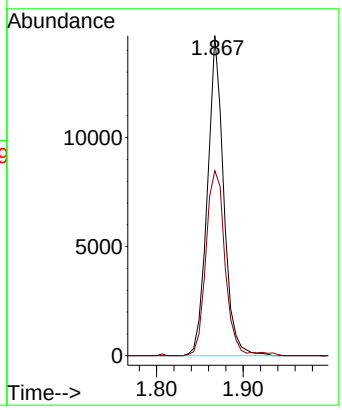




#7
Trichlorofluoromethane
Concen: 4.996 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:101 Resp: 1909

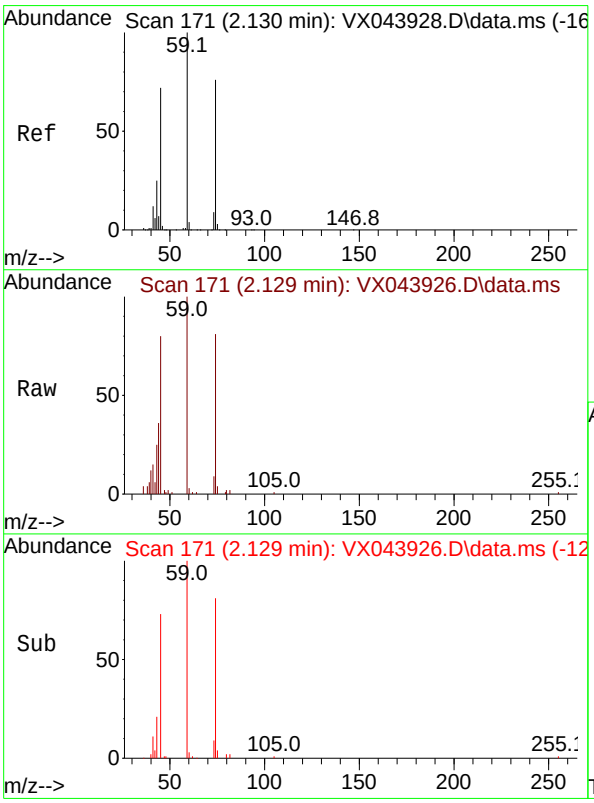
Ion	Ratio	Lower	Upper
101	100		
103	57.8	52.2	78.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

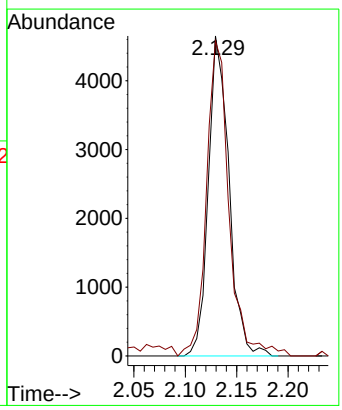
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

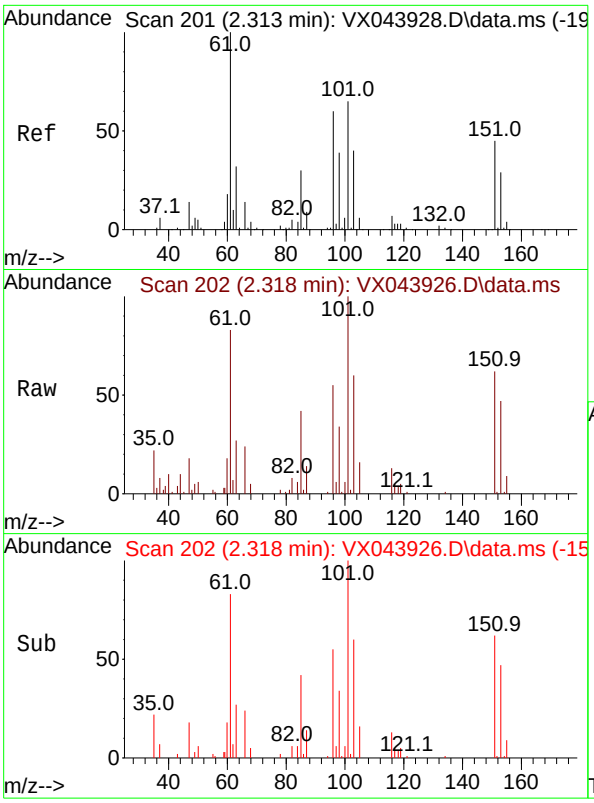


#8
Diethyl Ether
Concen: 4.651 ug/l
RT: 2.129 min Scan# 171
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 74 Resp: 6480

Ion	Ratio	Lower	Upper
74	100		
45	106.9	47.9	143.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.839 ug/l
RT: 2.318 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

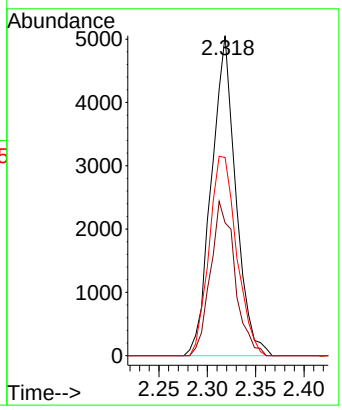
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

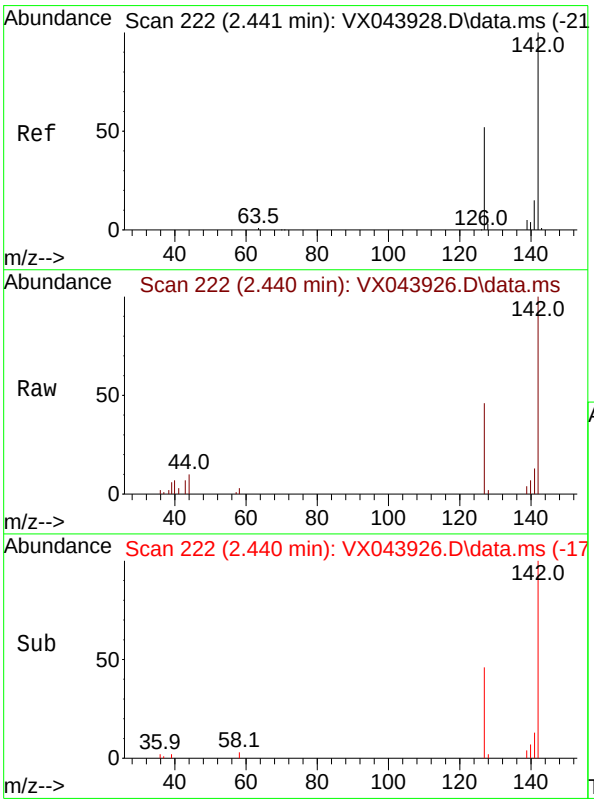
Tgt Ion:101 Resp: 882

Ion	Ratio	Lower	Upper
101	100		
85	48.4	37.9	56.9
151	70.3	57.5	86.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

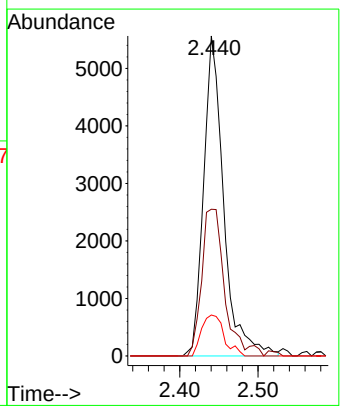


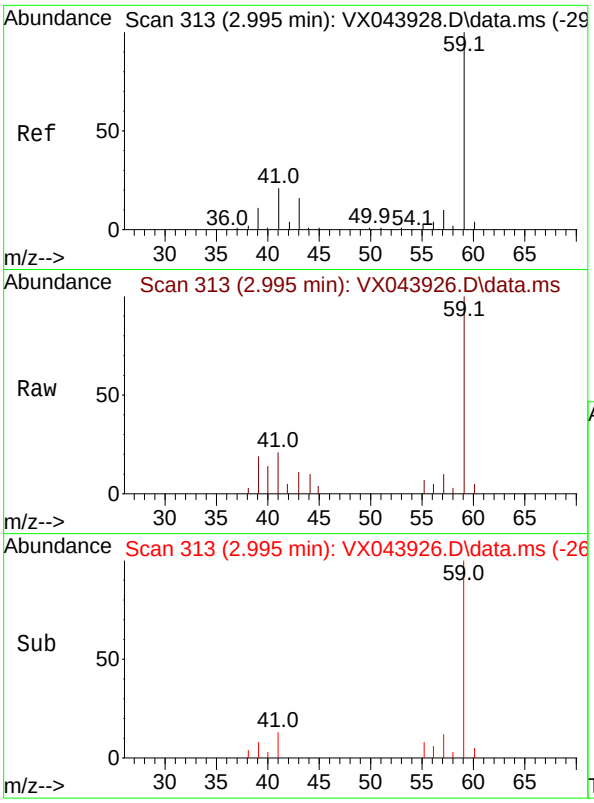


#10
Methyl Iodide
Concen: 4.346 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:142 Resp: 9897

Ion	Ratio	Lower	Upper
142	100		
127	52.4	40.7	61.1
141	14.4	12.0	18.0

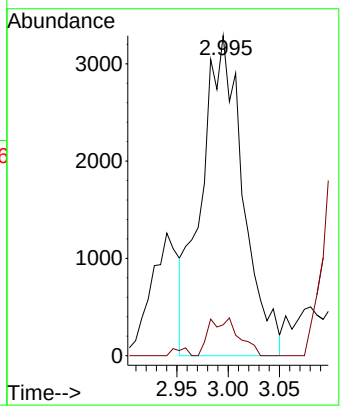




#11
Tert butyl alcohol
Concen: 22.349 ug/l m
RT: 2.995 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 59 Resp: 927

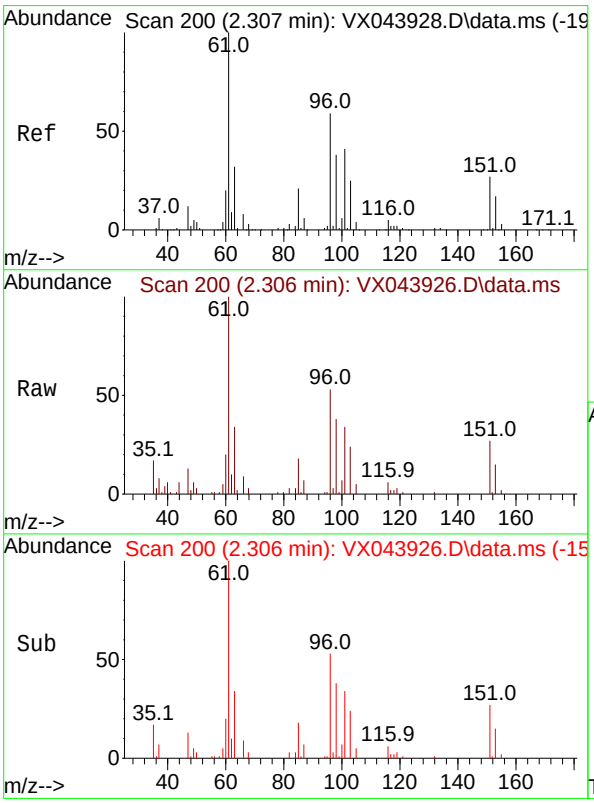
Ion	Ratio	Lower	Upper
59	100		
57	8.4	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

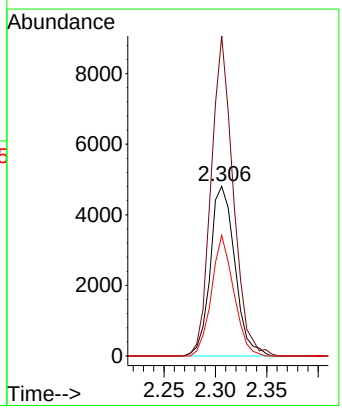
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

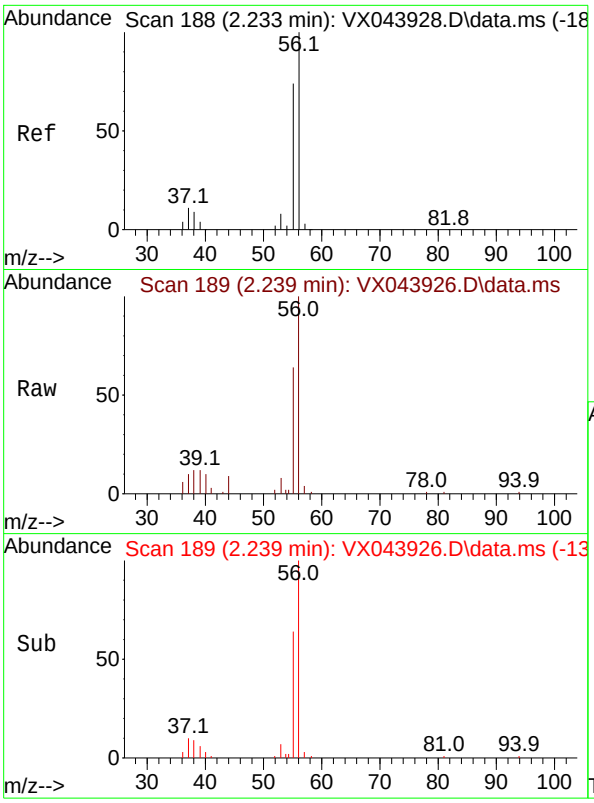


#12
1,1-Dichloroethene
Concen: 4.597 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 96 Resp: 7987

Ion	Ratio	Lower	Upper
96	100		
61	188.7	135.5	203.3
98	71.1	50.8	76.2

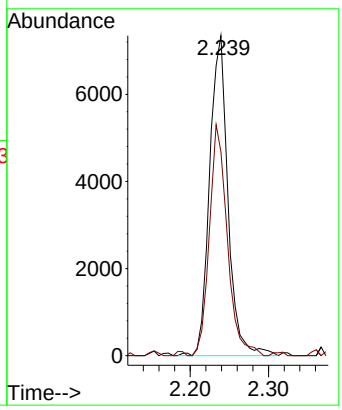




#13
Acrolein
Concen: 27.287 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 56 Resp: 1194

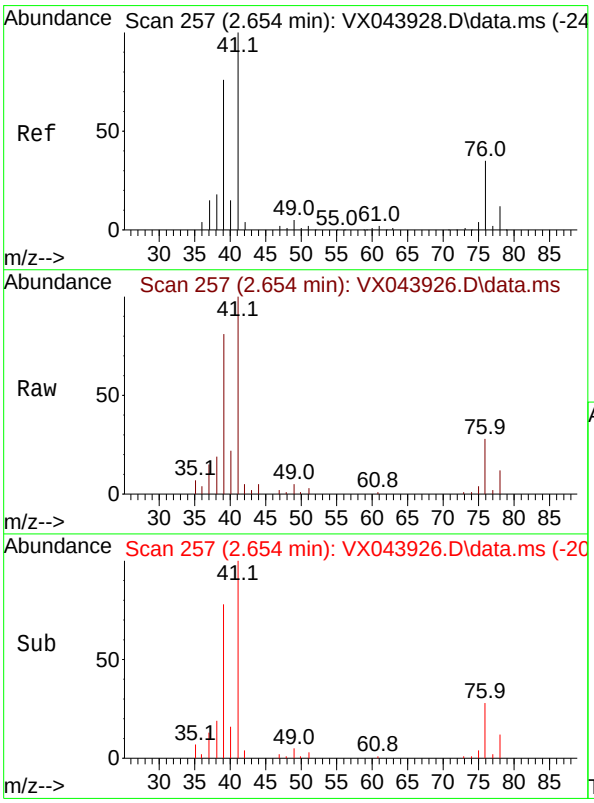
Ion	Ratio	Lower	Upper
56	100		
55	70.5	58.2	87.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

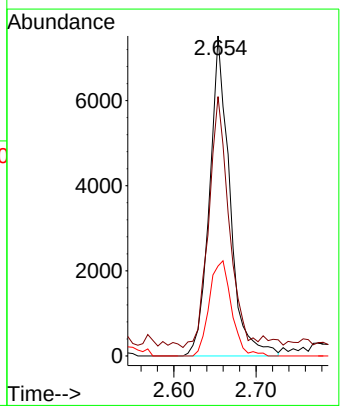
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

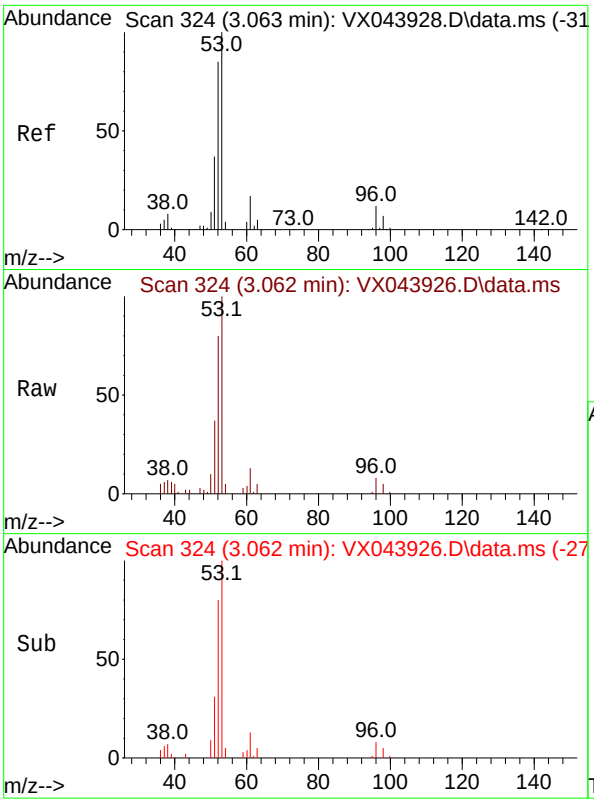


#14
Allyl chloride
Concen: 4.534 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 41 Resp: 12874

Ion	Ratio	Lower	Upper
41	100		
39	78.5	59.5	89.3
76	32.4	27.4	41.2

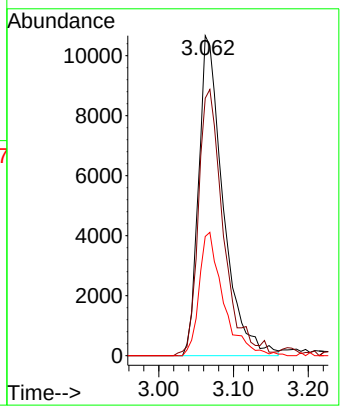




#15
Acrylonitrile
Concen: 24.010 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 53 Resp: 2429

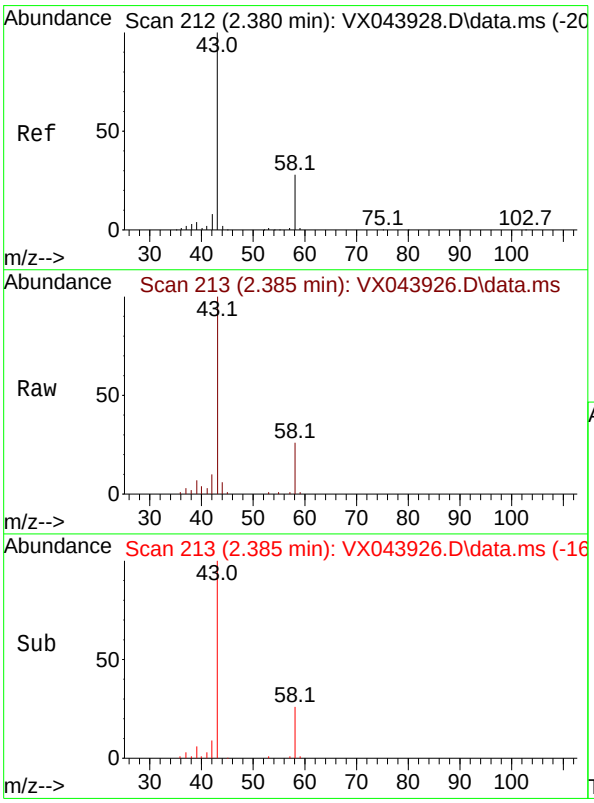
Ion	Ratio	Lower	Upper
53	100		
52	84.7	66.5	99.7
51	38.0	30.2	45.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

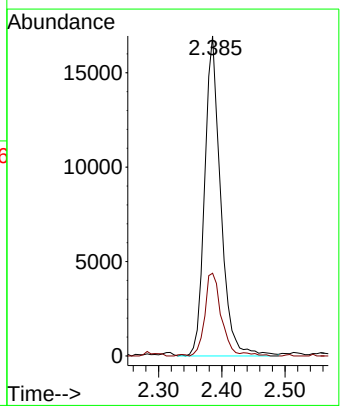
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

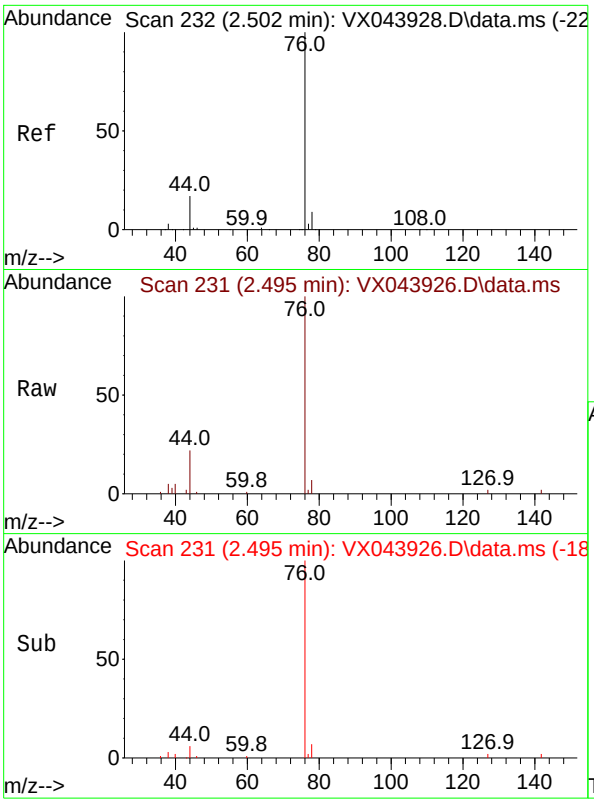


#16
Acetone
Concen: 25.159 ug/l
RT: 2.385 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 43 Resp: 29886

Ion	Ratio	Lower	Upper
43	100		
58	25.9	22.7	34.1





#17
Carbon Disulfide
Concen: 4.022 ug/l
RT: 2.495 min Scan# 2
Delta R.T. -0.007 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

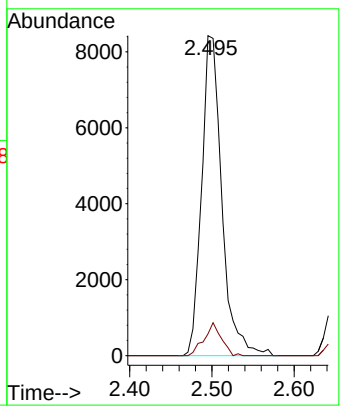
Tgt Ion: 76 Resp: 1441

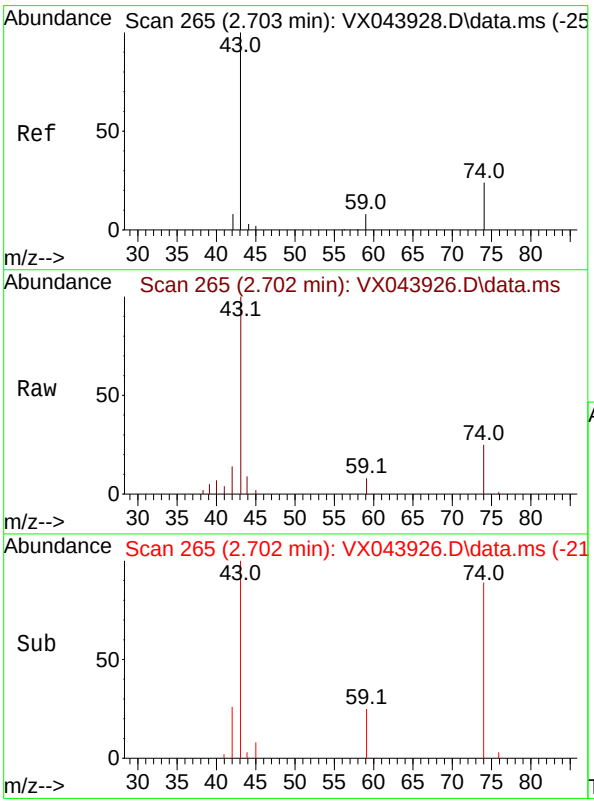
Ion	Ratio	Lower	Upper
76	100		
78	6.8	7.0	10.6#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

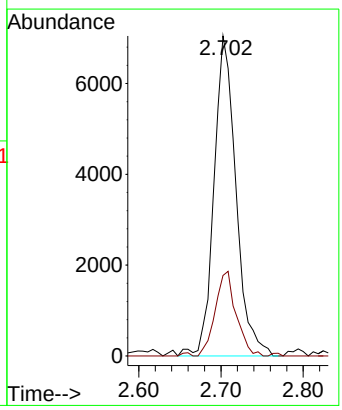


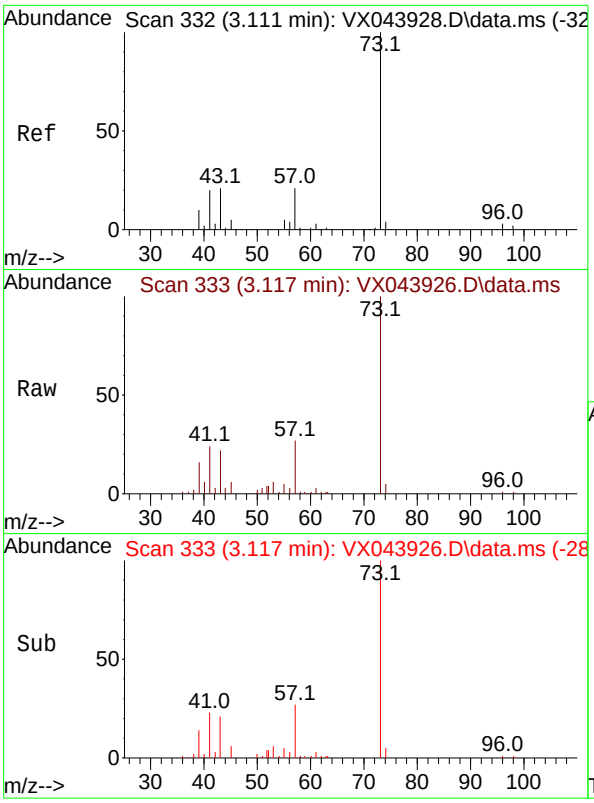


#18
Methyl Acetate
Concen: 4.745 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 43 Resp: 13127

Ion	Ratio	Lower	Upper
43	100		
74	25.0	18.9	28.3





#19
Methyl tert-butyl Ether
Concen: 4.759 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

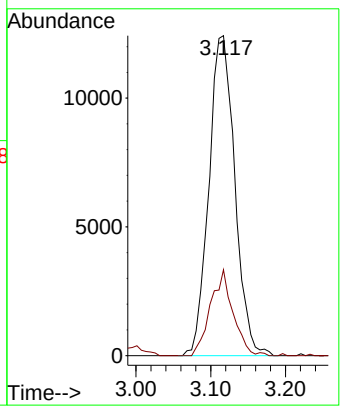
Tgt Ion: 73 Resp: 3002

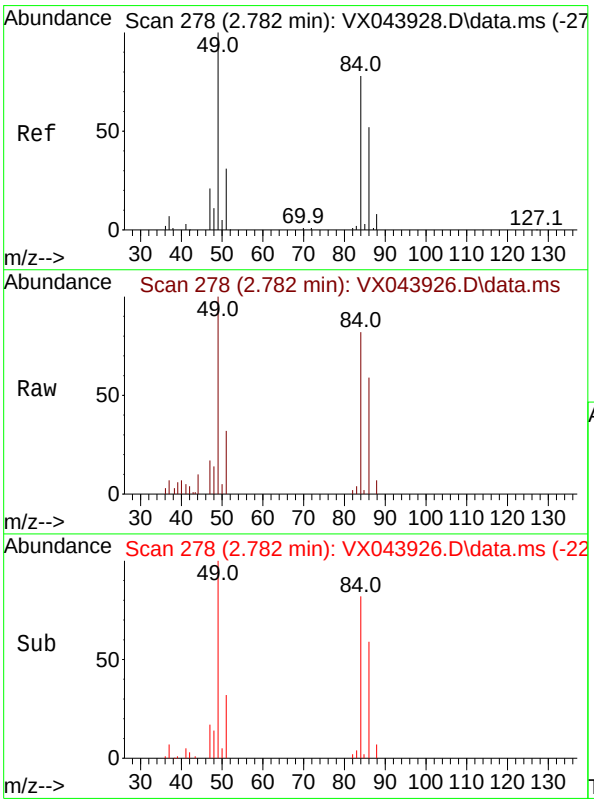
Ion	Ratio	Lower	Upper
73	100		
57	26.8	17.0	25.6#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

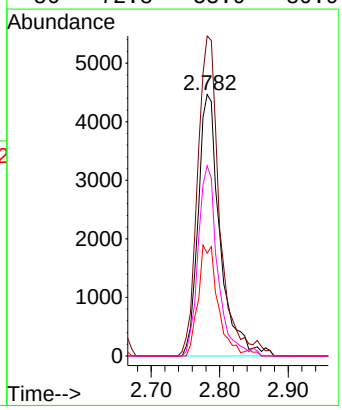


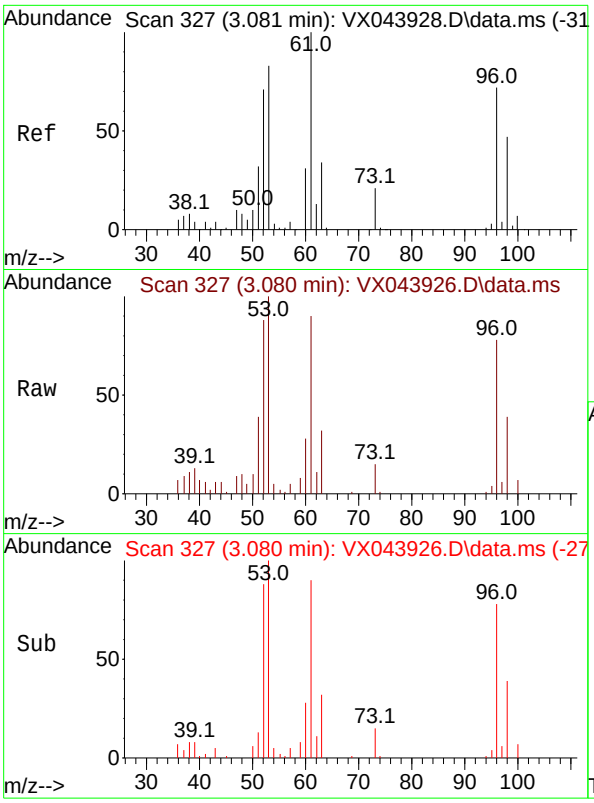


#20
Methylene Chloride
Concen: 4.909 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 84 Resp: 9895

Ion	Ratio	Lower	Upper
84	100		
49	122.4	102.7	154.1
51	39.3	31.7	47.5
86	72.8	53.9	80.9





#21
trans-1,2-Dichloroethene
Concen: 4.730 ug/l
RT: 3.080 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

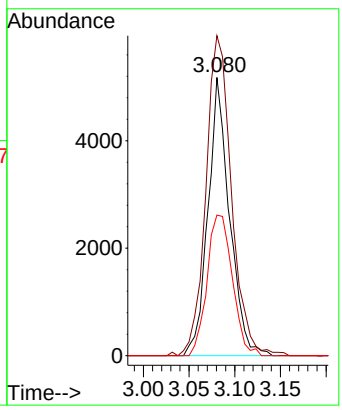
Tgt Ion: 96 Resp: 848

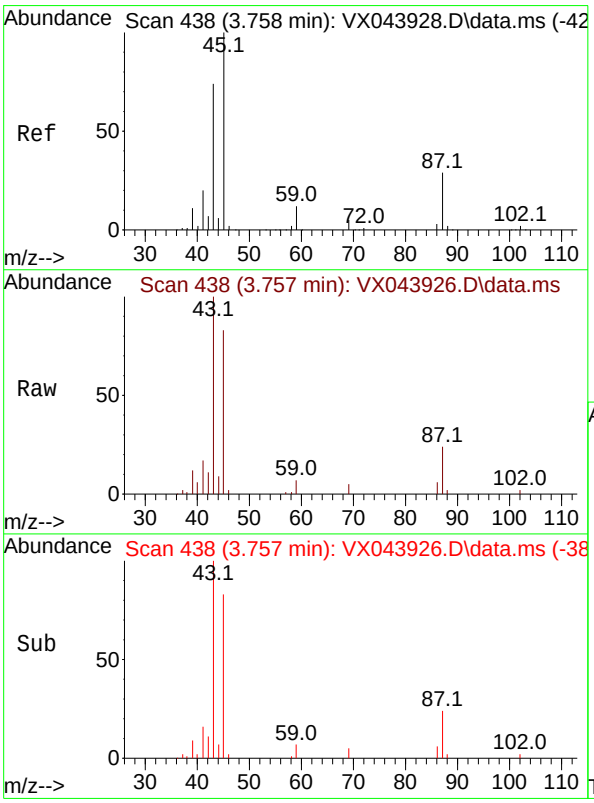
Ion	Ratio	Lower	Upper
96	100		
61	115.0	111.8	167.6
98	50.6	52.7	79.1#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

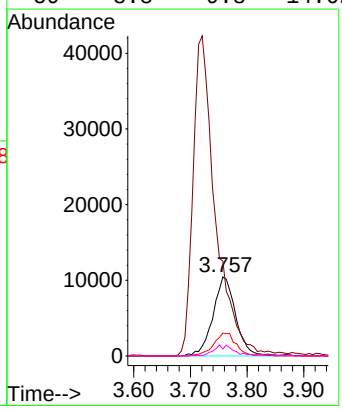


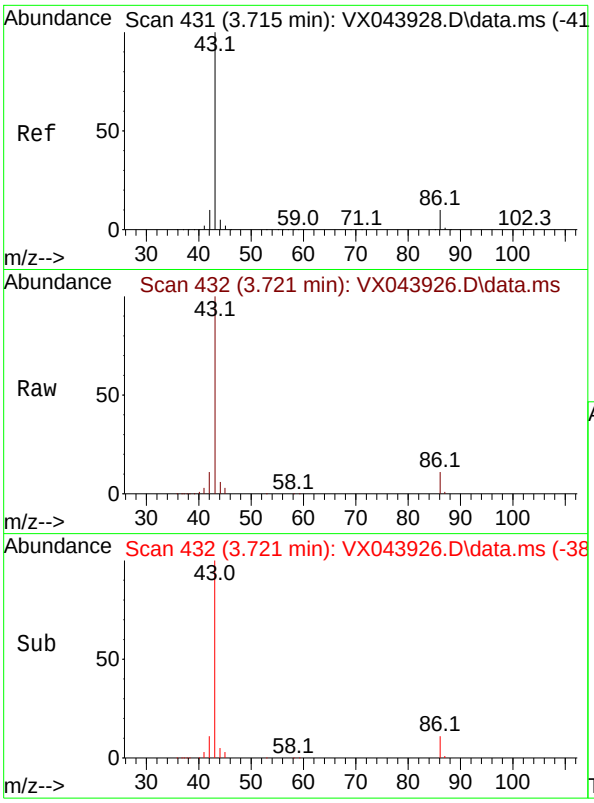


#22
Diisopropyl ether
Concen: 4.794 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 45 Resp: 29102

Ion	Ratio	Lower	Upper
45	100		
43	118.7	59.6	89.4#
87	29.0	22.9	34.3
59	8.8	9.8	14.6#





#23
Vinyl Acetate
Concen: 22.382 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

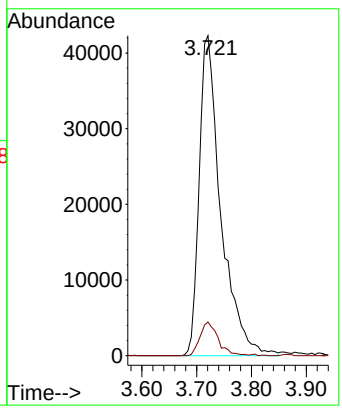
Tgt Ion: 43 Resp: 11624

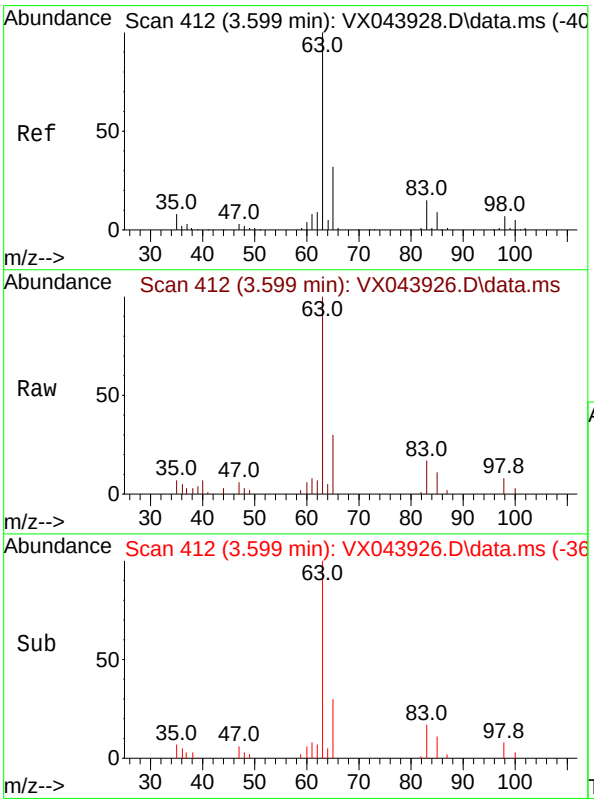
Ion	Ratio	Lower	Upper
43	100		
86	10.5	8.3	12.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

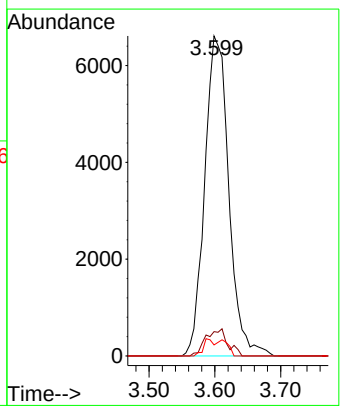


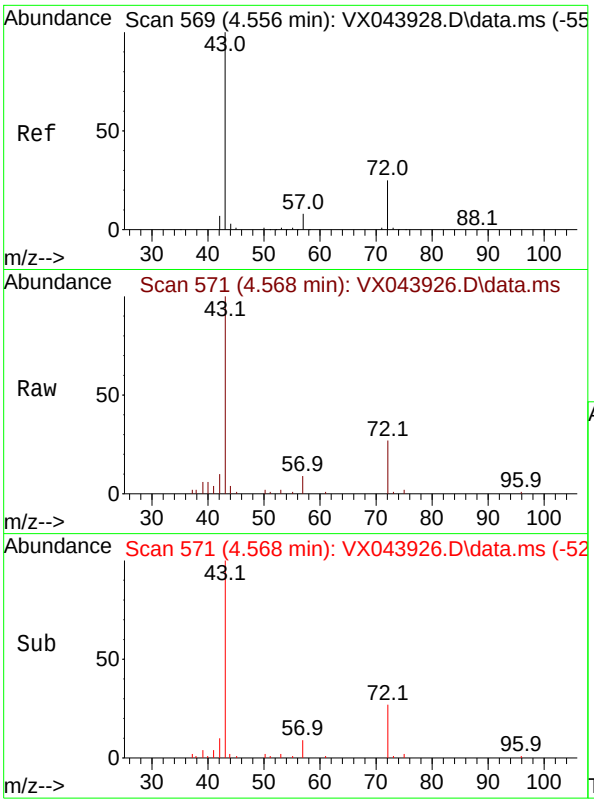


#24
1,1-Dichloroethane
Concen: 4.813 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 63 Resp: 16857

Ion	Ratio	Lower	Upper
63	100		
98	7.6	3.5	10.6
100	3.5	2.4	7.1





#25
2-Butanone
Concen: 23.931 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

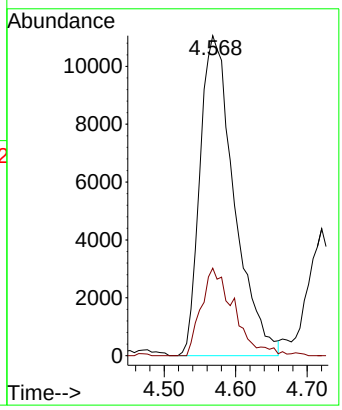
Tgt Ion: 43 Resp: 3668

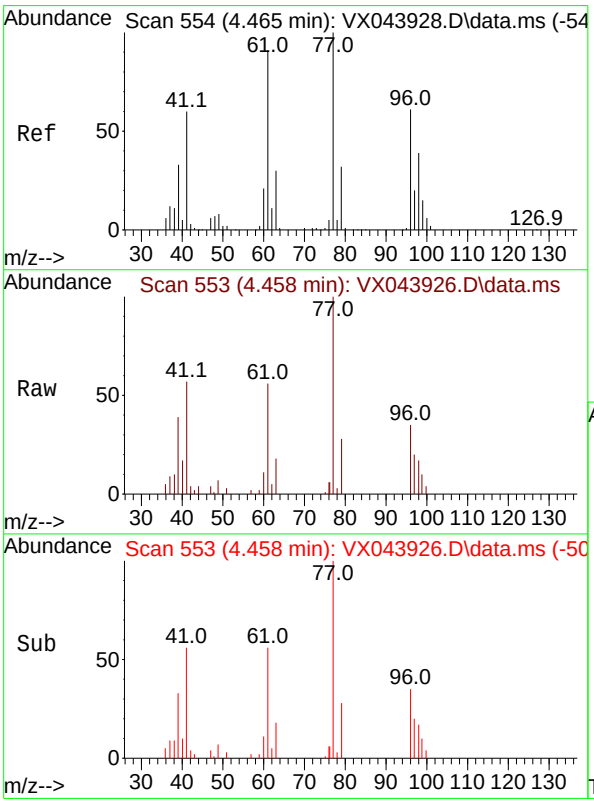
Ion	Ratio	Lower	Upper
43	100		
72	27.4	20.2	30.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

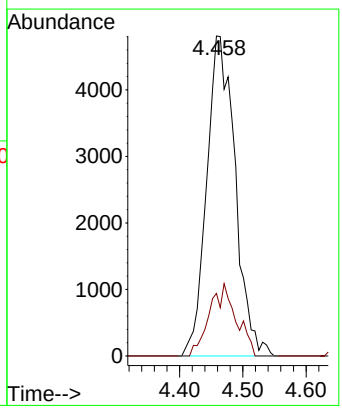


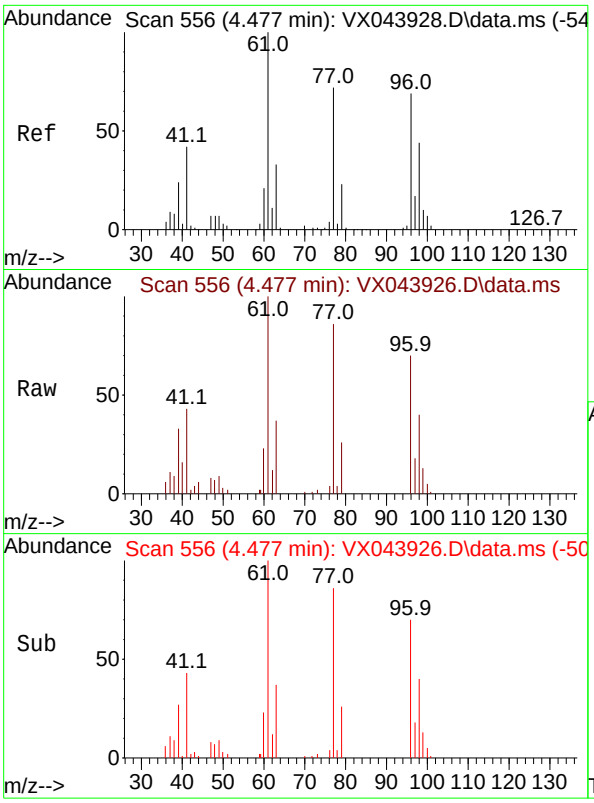


#26
2,2-Dichloropropane
Concen: 4.755 ug/l
RT: 4.458 min Scan# 553
Delta R.T. -0.007 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 77 Resp: 15040

Ion	Ratio	Lower	Upper
77	100		
97	10.0	10.8	32.3#





#27
cis-1,2-Dichloroethene
Concen: 4.579 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

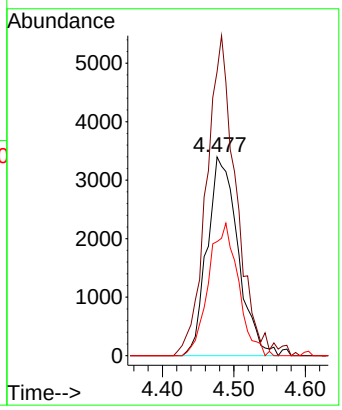
Tgt Ion: 96 Resp: 1015

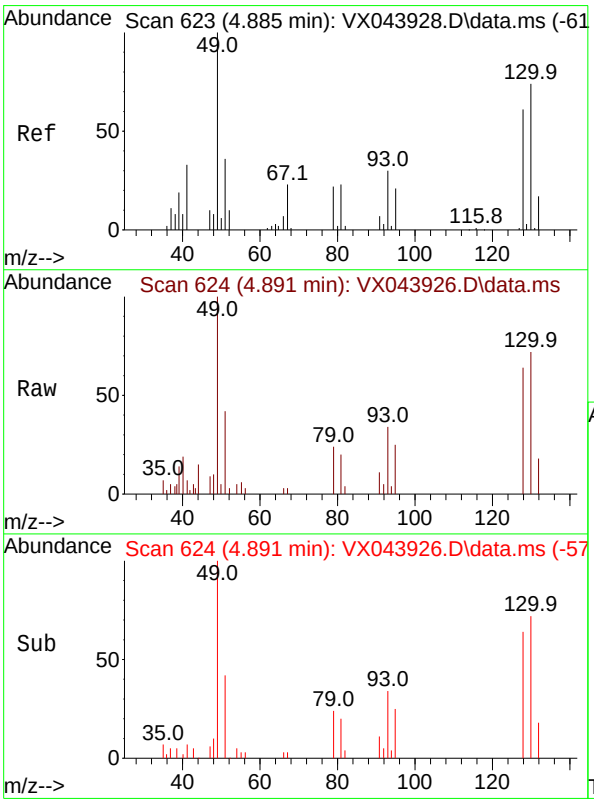
Ion	Ratio	Lower	Upper
96	100		
61	155.7	0.0	297.4
98	64.3	0.0	127.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

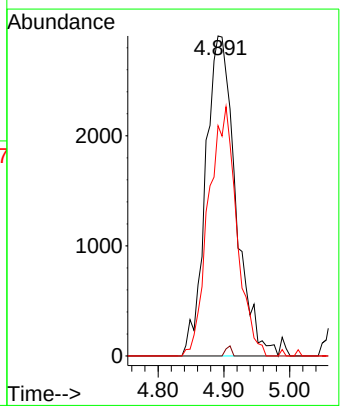


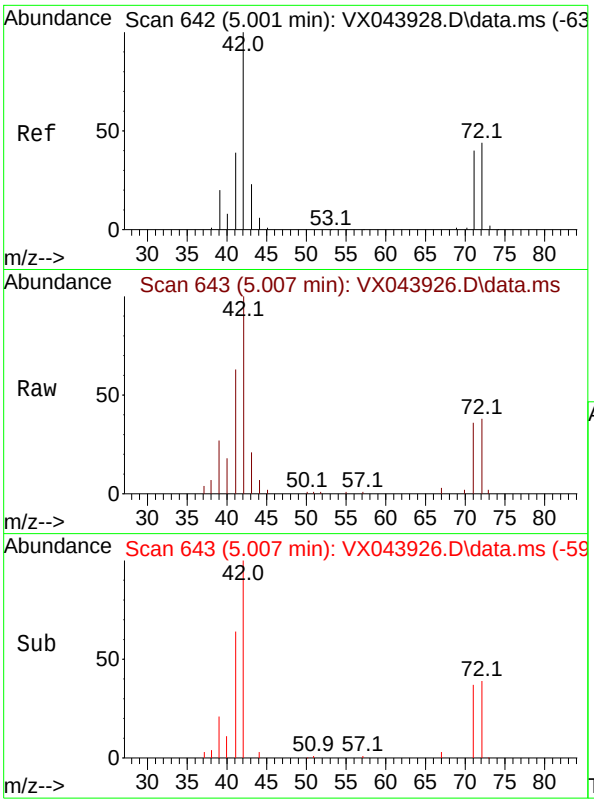


#28
Bromochloromethane
Concen: 5.974 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 49 Resp: 9210

Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	4.0
130	73.5	59.0	88.6





#29
Tetrahydrofuran
Concen: 25.028 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

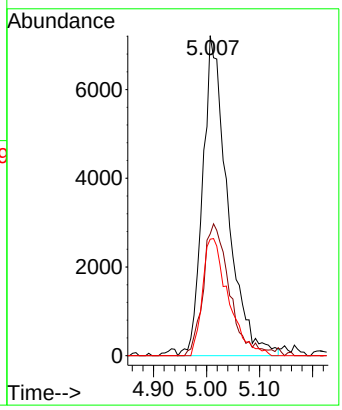
Tgt Ion: 42 Resp: 2351

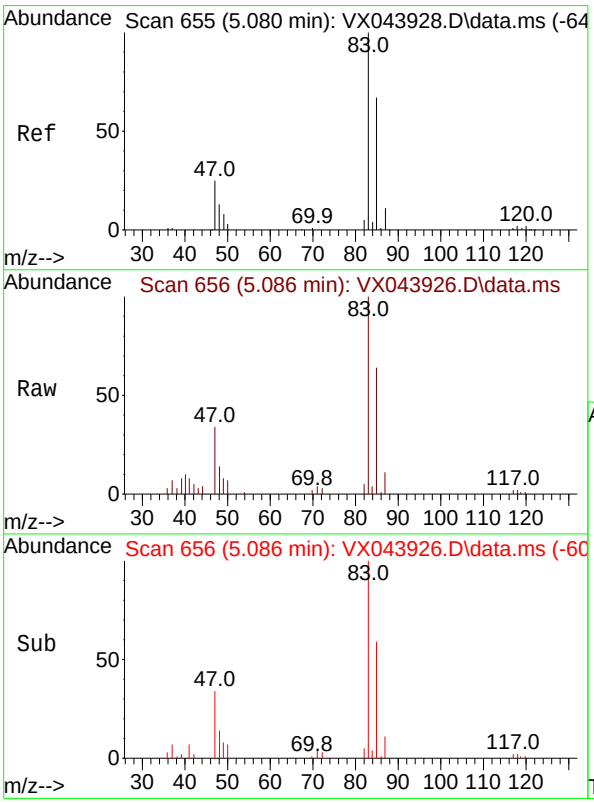
Ion	Ratio	Lower	Upper
42	100		
72	43.4	36.4	54.6
71	38.1	33.4	50.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

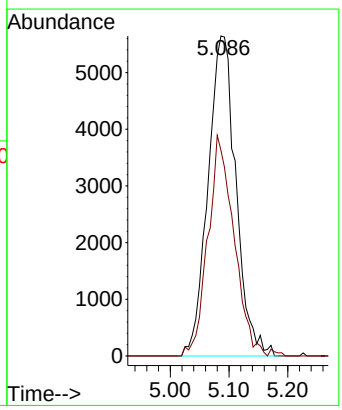


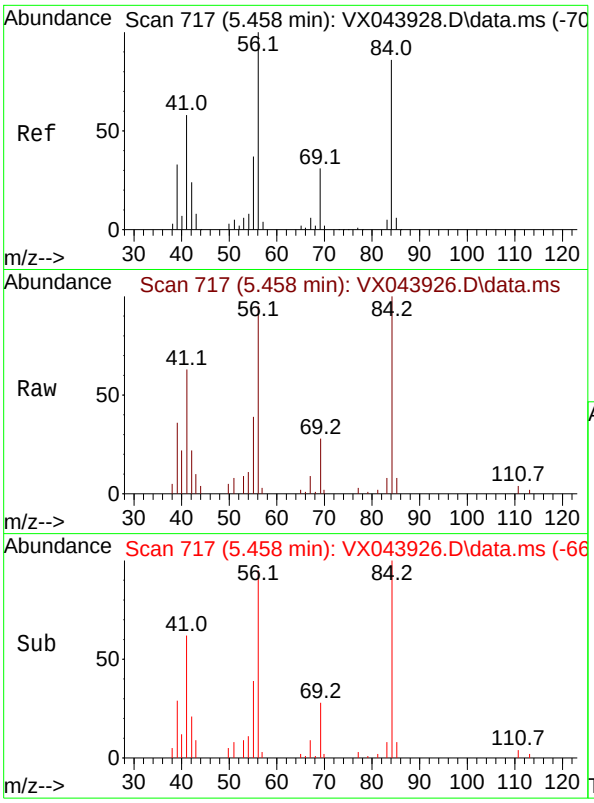


#30
Chloroform
Concen: 4.954 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 83 Resp: 18661

Ion	Ratio	Lower	Upper
83	100		
85	64.3	53.5	80.3





#31
Cyclohexane
Concen: 4.767 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

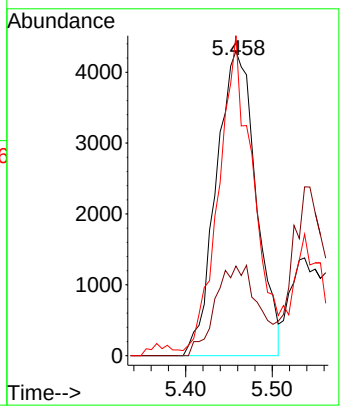
Tgt Ion: 56 Resp: 1374

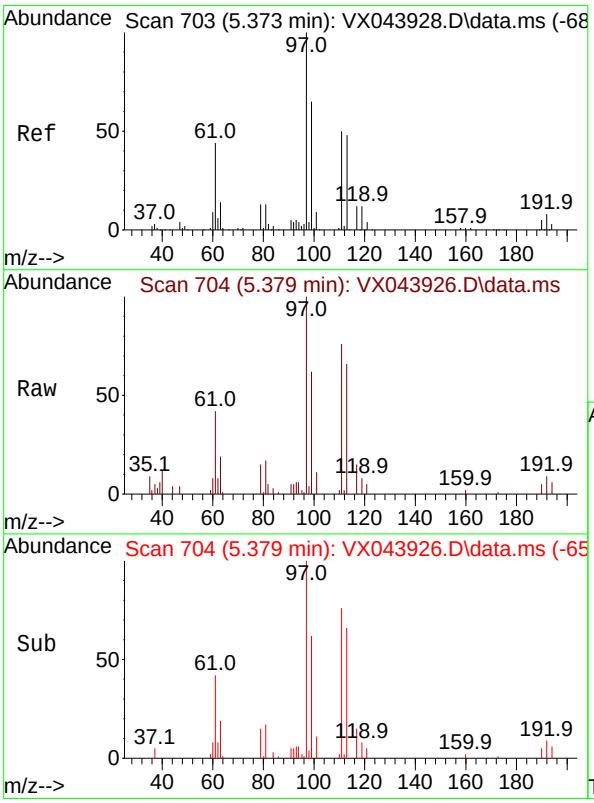
Ion	Ratio	Lower	Upper
56	100		
69	29.5	24.7	37.1
84	103.2	68.7	103.1#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

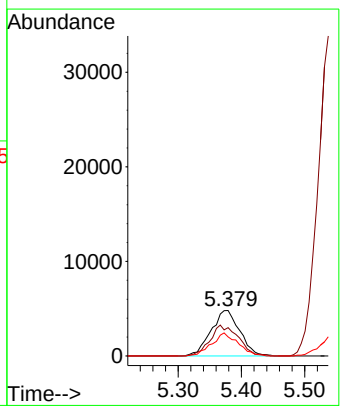


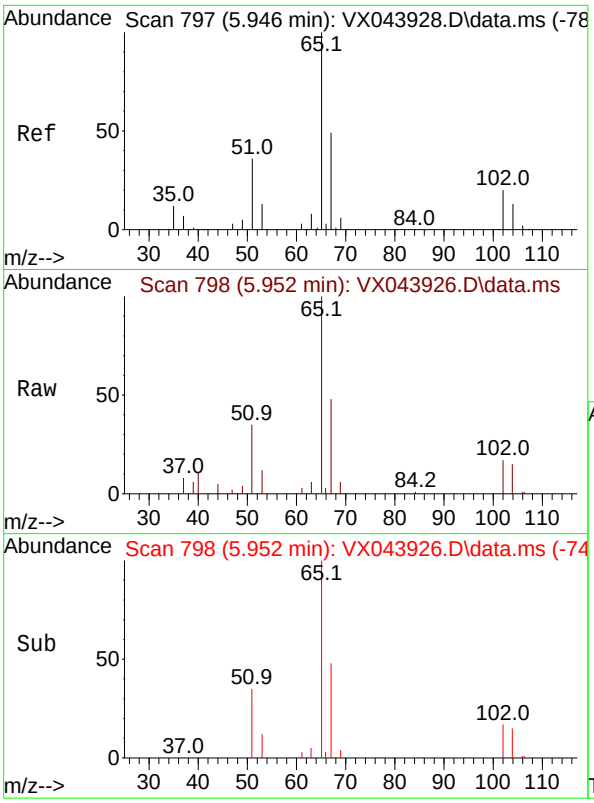


#32
1,1,1-Trichloroethane
Concen: 4.667 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 97 Resp: 15162

Ion	Ratio	Lower	Upper
97	100		
99	66.9	50.8	76.2
61	46.2	35.4	53.2

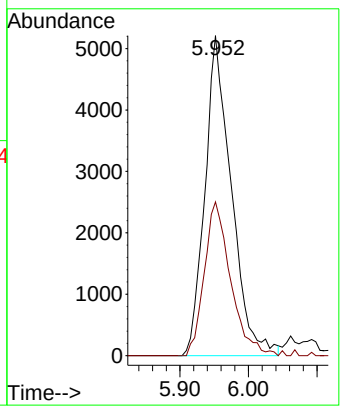




#33
1,2-Dichloroethane-d4
Concen: 5.398 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 65 Resp: 1396

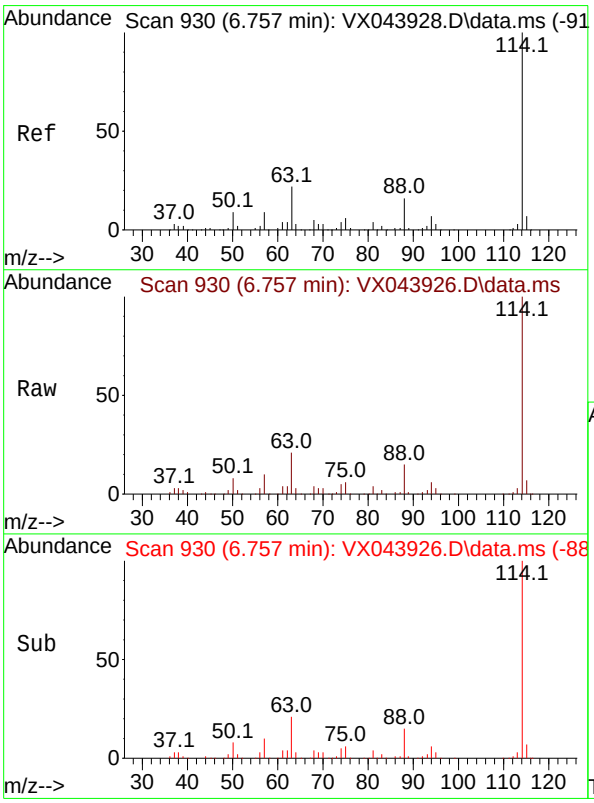
Ion	Ratio	Lower	Upper
65	100		
67	47.8	0.0	100.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

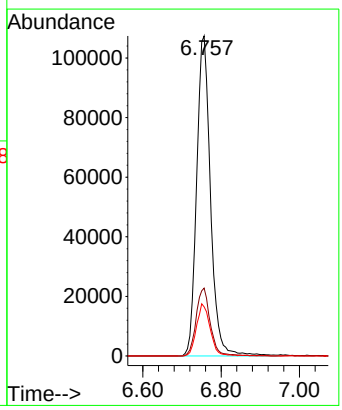
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

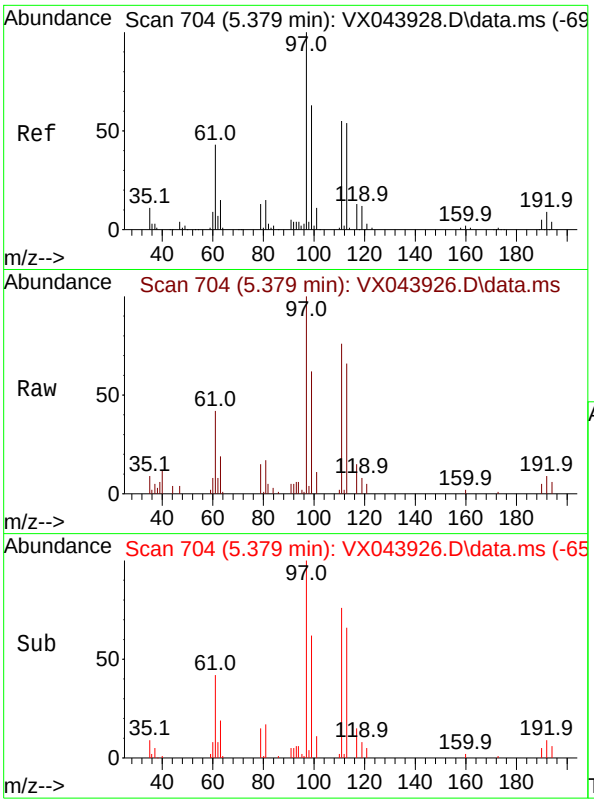


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:114 Resp: 264969

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	44.0
88	15.4	0.0	32.4





#35
Dibromofluoromethane
Concen: 5.198 ug/l
RT: 5.379 min Scan# 7(
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

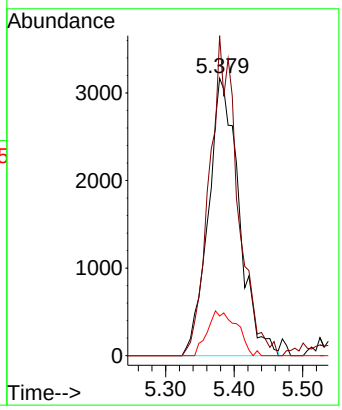
Tgt Ion:113 Resp: 984

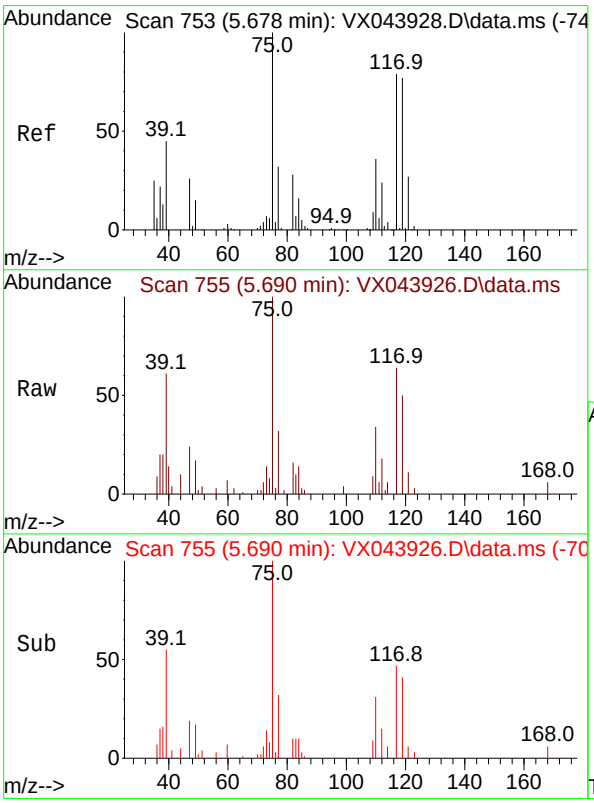
Ion	Ratio	Lower	Upper
113	100		
111	107.2	81.0	121.4
192	15.6	13.0	19.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

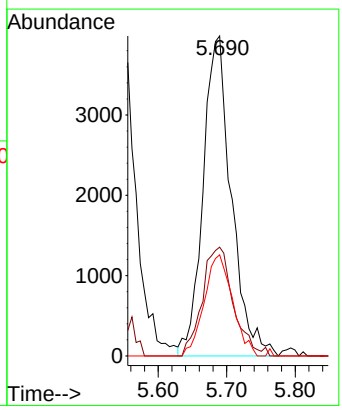


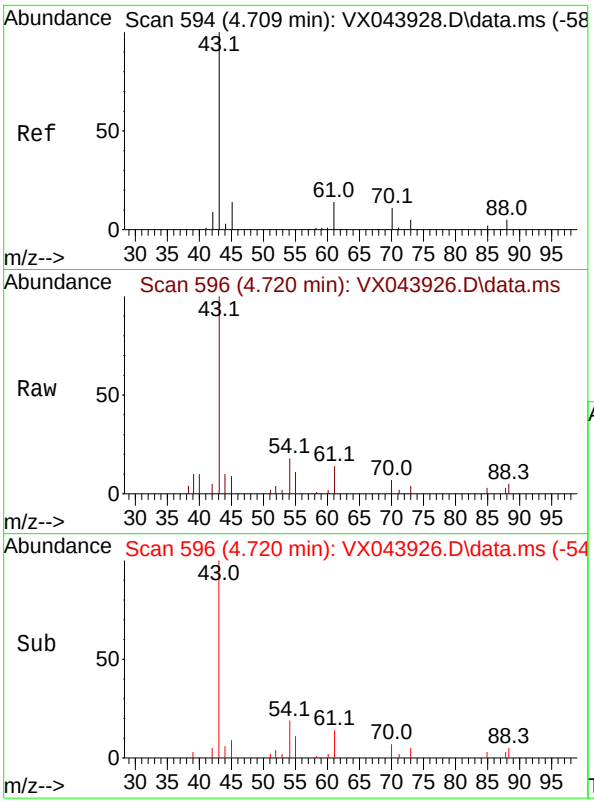


#36
1,1-Dichloropropene
Concen: 4.834 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.012 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 75 Resp: 11406

Ion	Ratio	Lower	Upper
75	100		
110	37.4	17.4	52.2
77	31.6	25.8	38.8

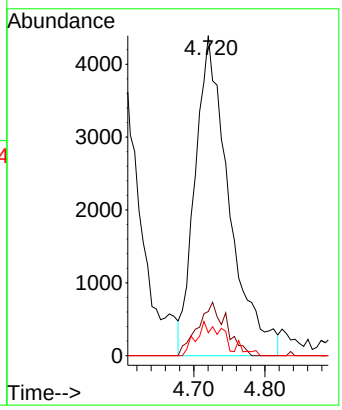




#37
Ethyl Acetate
Concen: 4.968 ug/l m
RT: 4.720 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 43 Resp: 1455

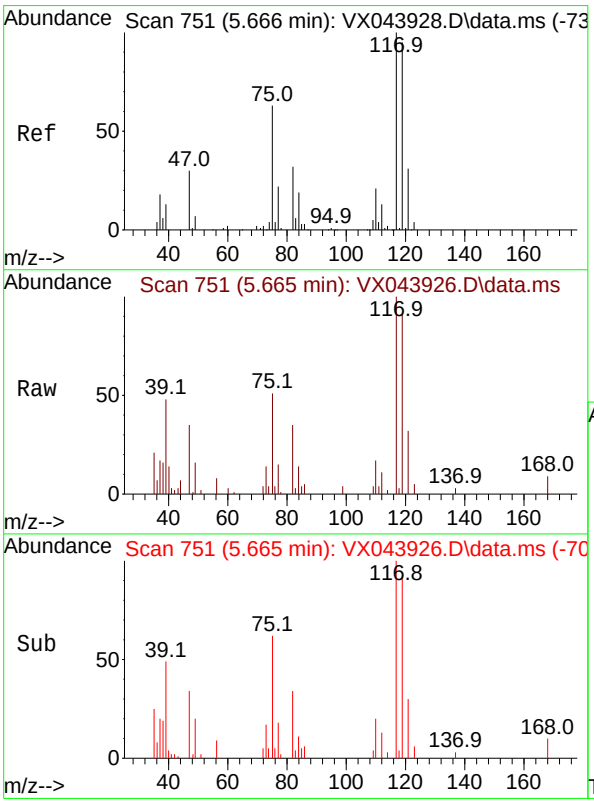
Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.7	16.1
70	7.8	8.0	12.0#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

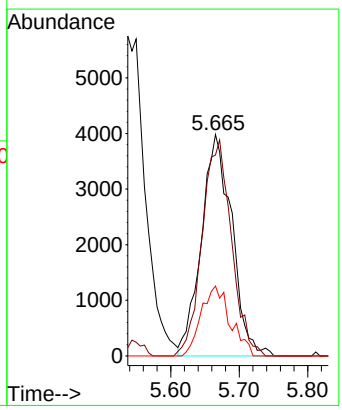
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

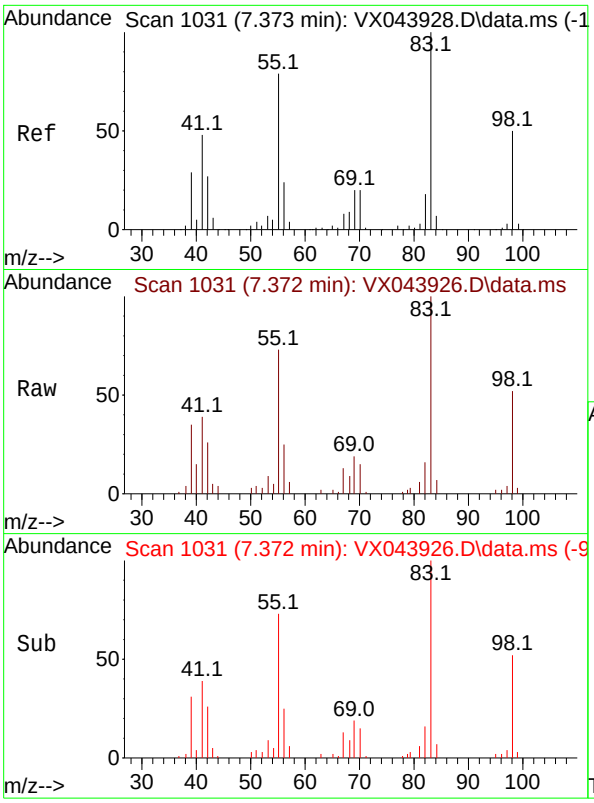


#38
Carbon Tetrachloride
Concen: 4.658 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:117 Resp: 12348

Ion	Ratio	Lower	Upper
117	100		
119	90.7	75.2	112.8
121	31.5	24.5	36.7

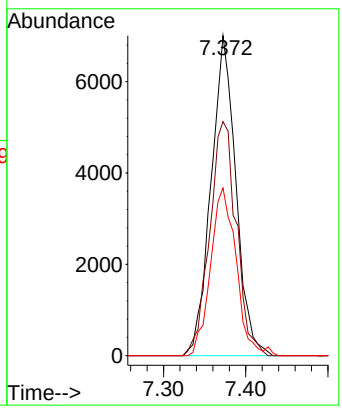




#39
Methylcyclohexane
Concen: 4.803 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 83 Resp: 1472

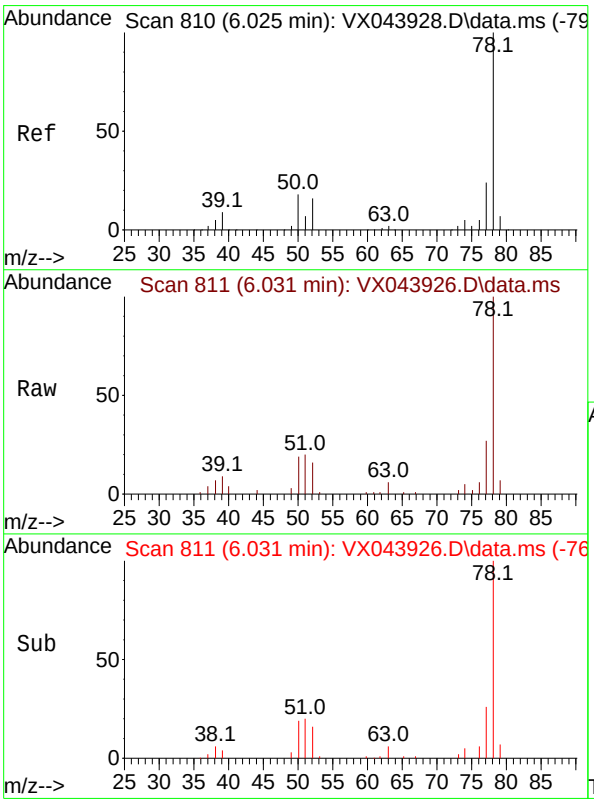
Ion	Ratio	Lower	Upper
83	100		
55	73.1	63.1	94.7
98	52.4	40.0	60.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

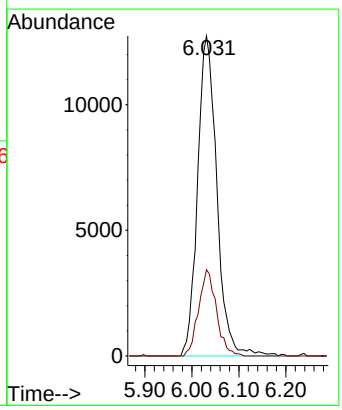
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

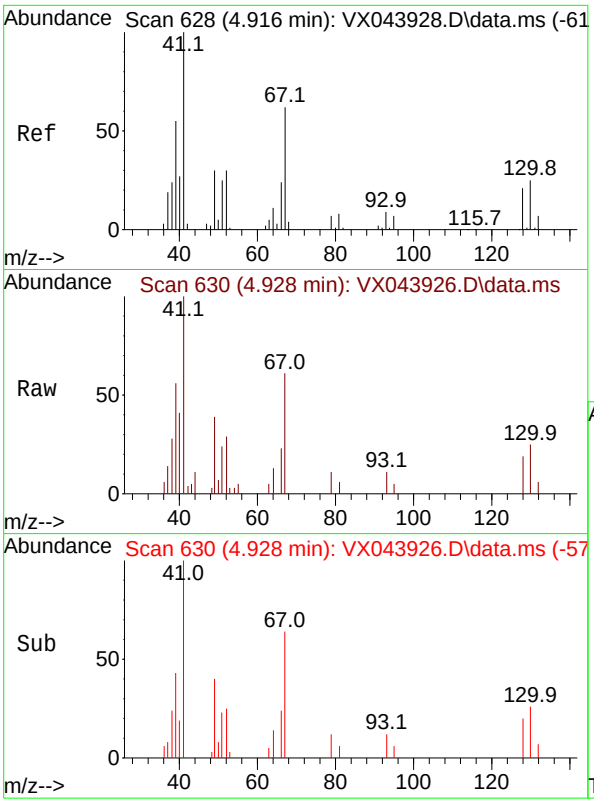


#40
Benzene
Concen: 4.937 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 78 Resp: 36283

Ion	Ratio	Lower	Upper
78	100		
77	27.0	19.2	28.8

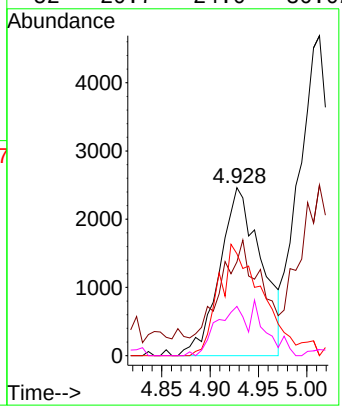




#41
Methacrylonitrile
Concen: 4.907 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.012 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 41 Resp: 735

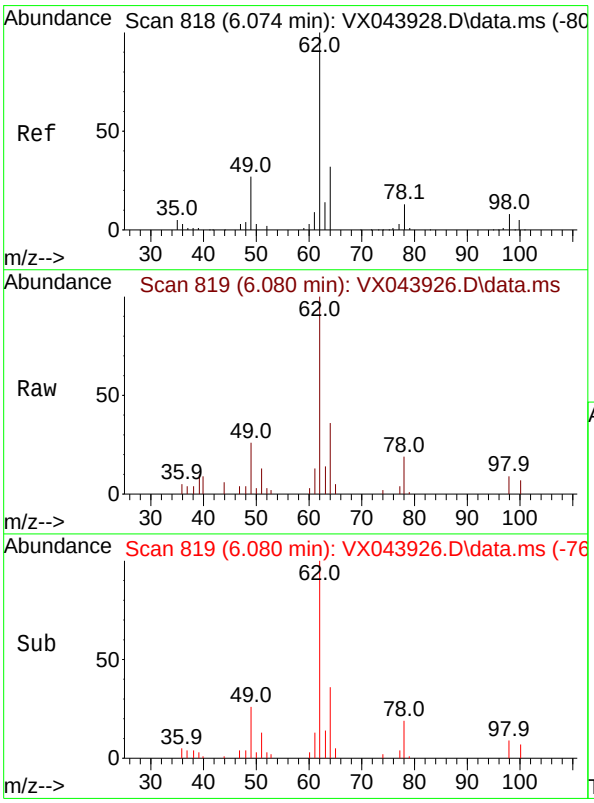
Ion	Ratio	Lower	Upper
41	100		
39	52.5	41.7	62.5
67	72.4	55.8	83.8
52	20.7	24.0	36.0#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

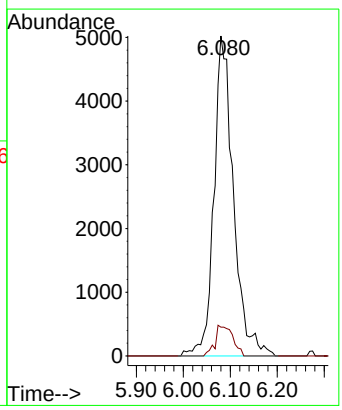
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

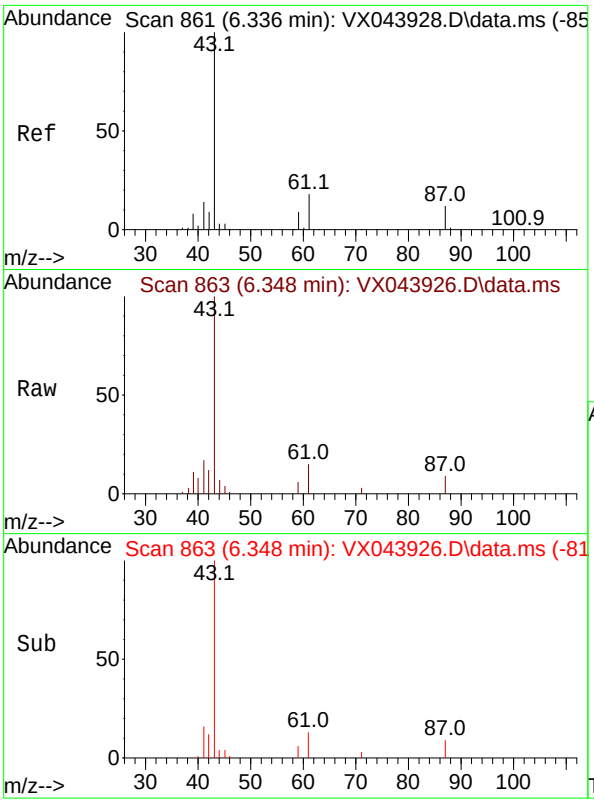


#42
1,2-Dichloroethane
Concen: 4.901 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 62 Resp: 14467

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	16.4

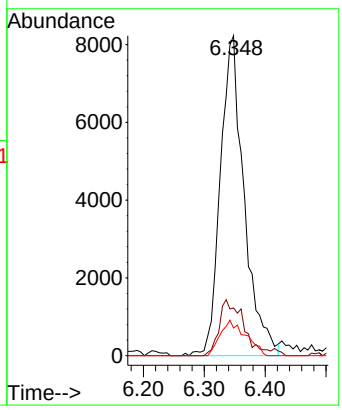




#43
Isopropyl Acetate
Concen: 4.777 ug/l
RT: 6.348 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 43 Resp: 2226

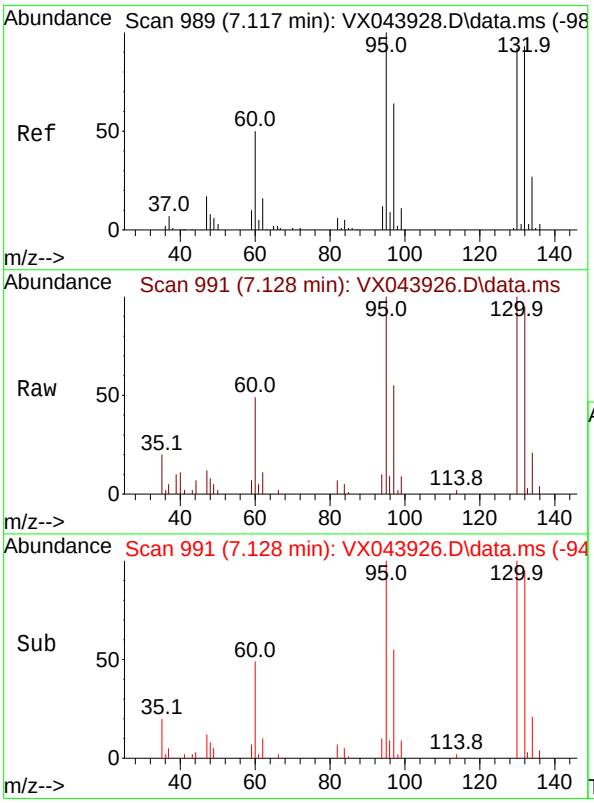
Ion	Ratio	Lower	Upper
43	100		
61	18.0	14.5	21.7
87	11.9	10.2	15.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

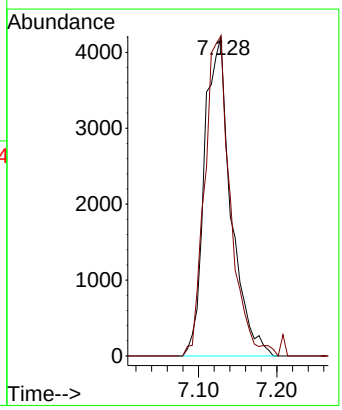
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

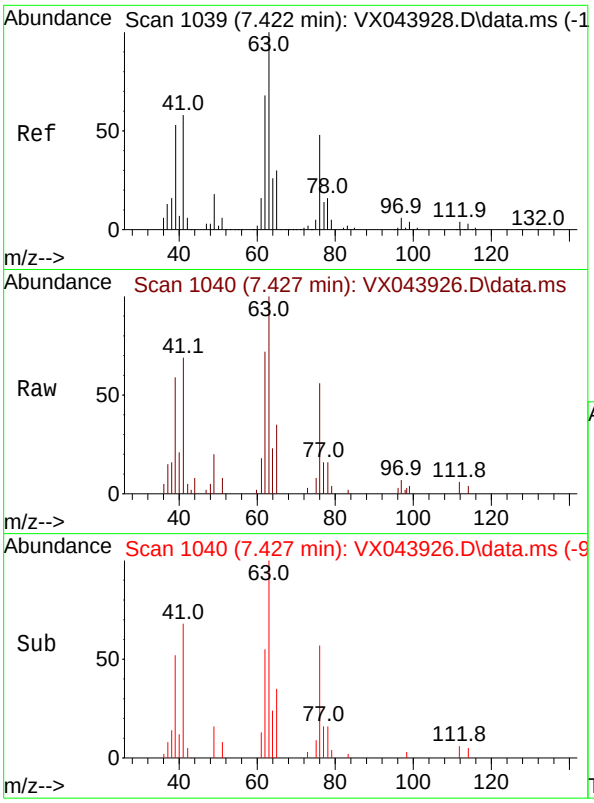


#44
Trichloroethene
Concen: 4.736 ug/l
RT: 7.128 min Scan# 991
Delta R.T. 0.012 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:130 Resp: 9852

Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	217.8





#45
1,2-Dichloropropane
Concen: 4.736 ug/l
RT: 7.427 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

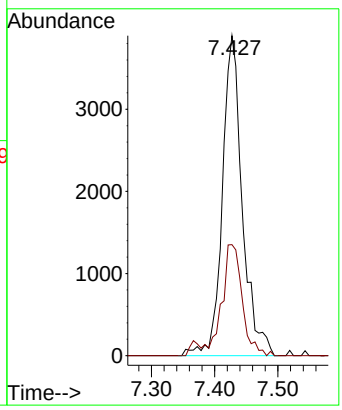
Tgt Ion: 63 Resp: 852

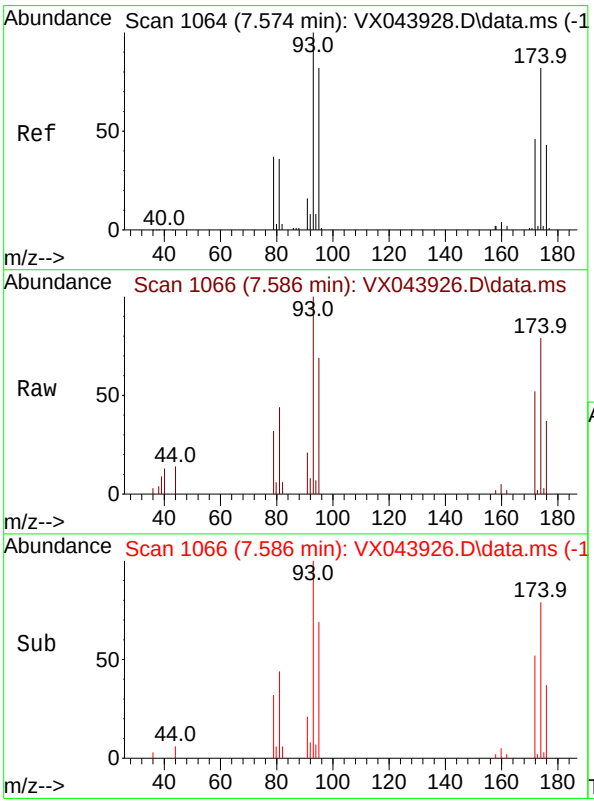
Ion	Ratio	Lower	Upper
63	100		
65	34.7	23.8	35.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

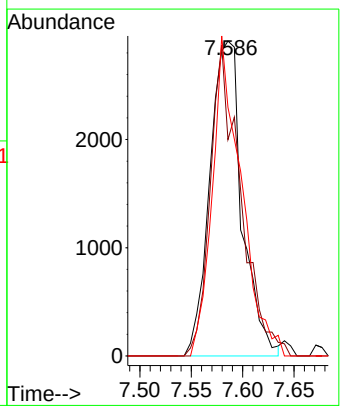


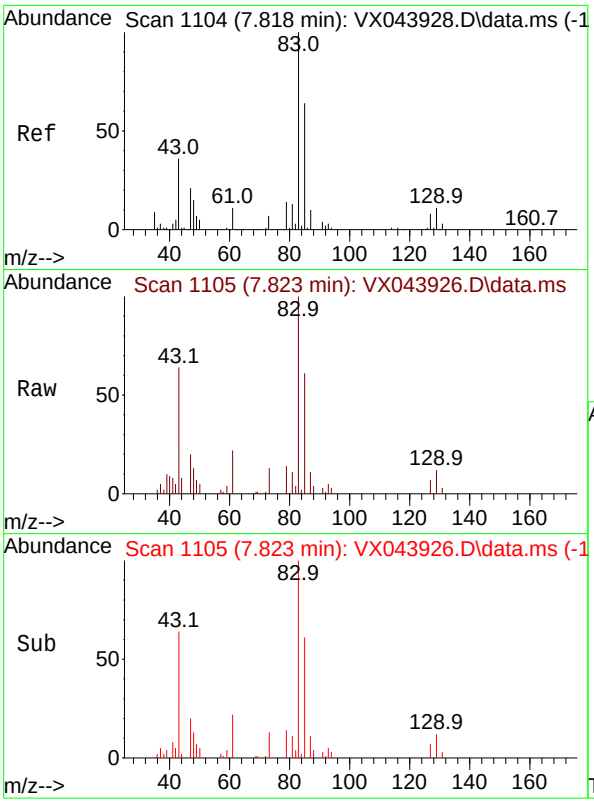


#46
Dibromomethane
Concen: 4.475 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.012 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 93 Resp: 6372

Ion	Ratio	Lower	Upper
93	100		
95	92.5	66.2	99.4
174	90.3	69.6	104.4

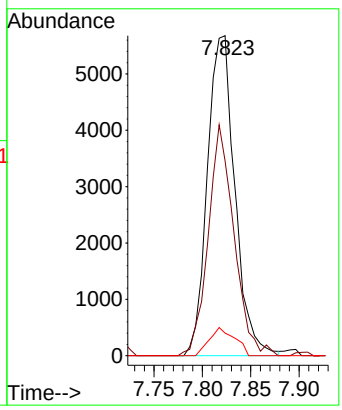




#47
Bromodichloromethane
Concen: 4.405 ug/l
RT: 7.823 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 83 Resp: 1124

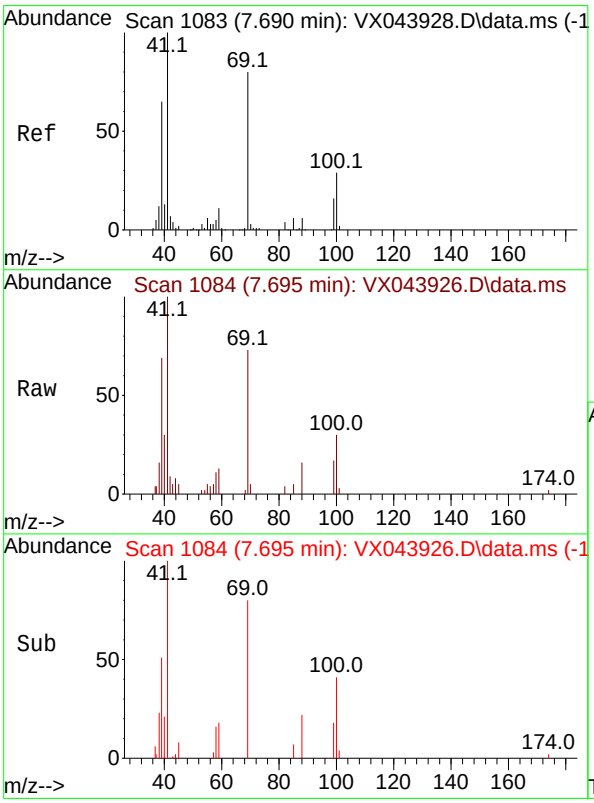
Ion	Ratio	Lower	Upper
83	100		
85	60.8	51.4	77.0
127	7.1	6.6	10.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

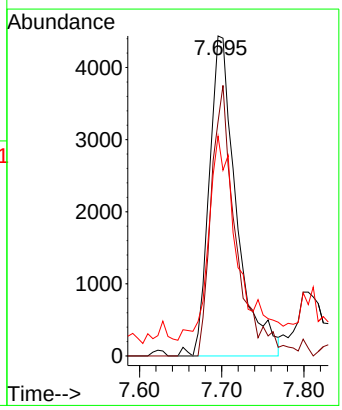
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

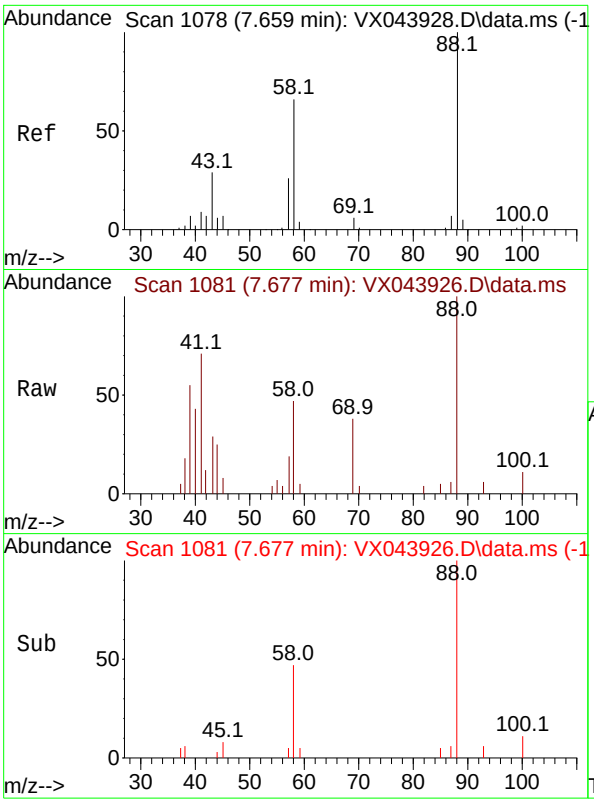


#48
Methyl methacrylate
Concen: 4.556 ug/l
RT: 7.695 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 41 Resp: 10190

Ion	Ratio	Lower	Upper
41	100		
69	77.6	64.6	97.0
39	60.5	53.3	79.9





#49
1,4-Dioxane
Concen: 106.070 ug/l m
RT: 7.677 min Scan# 1
Delta R.T. 0.018 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

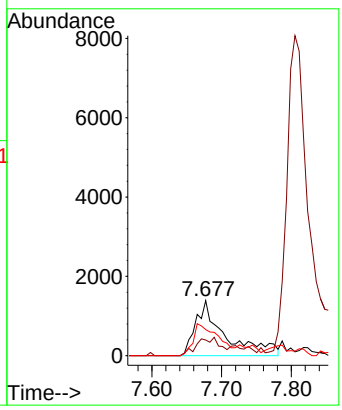
Tgt Ion: 88 Resp: 409

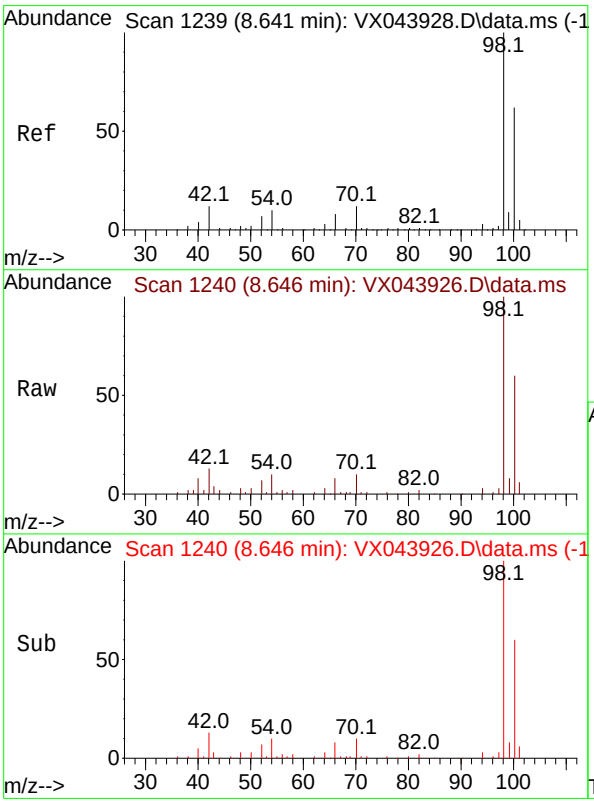
Ion	Ratio	Lower	Upper
88	100		
43	0.0	26.8	40.2#
58	49.5	45.4	68.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

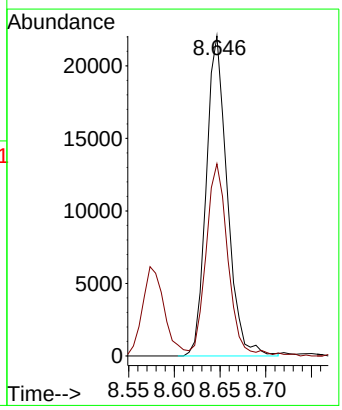


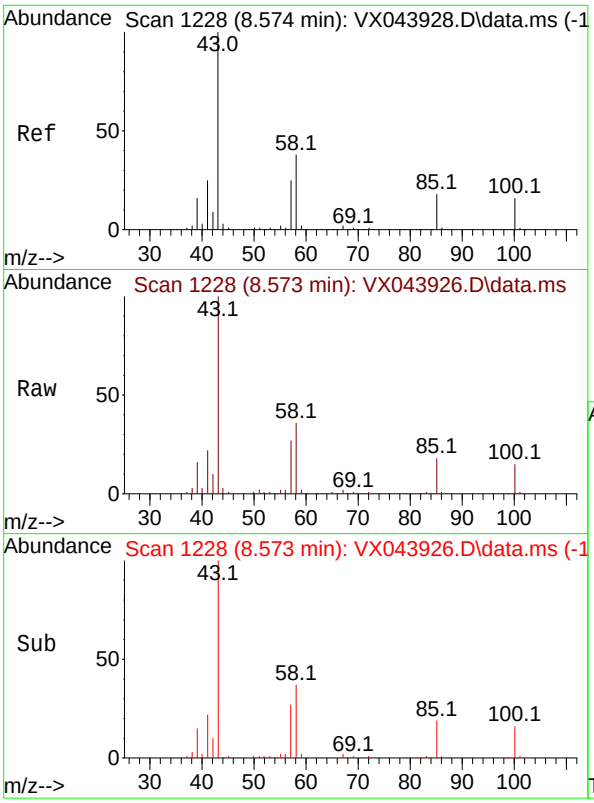


#50
Toluene-d8
Concen: 5.389 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 98 Resp: 35173

Ion	Ratio	Lower	Upper
98	100		
100	62.7	52.6	79.0





#51
4-Methyl-2-Pentanone
Concen: 24.556 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

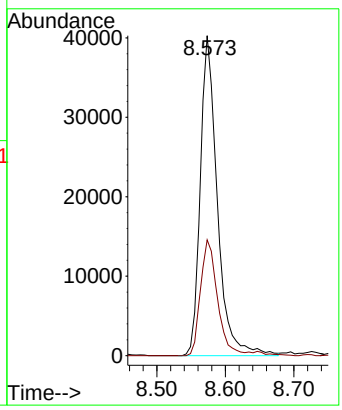
Tgt Ion: 43 Resp: 6984

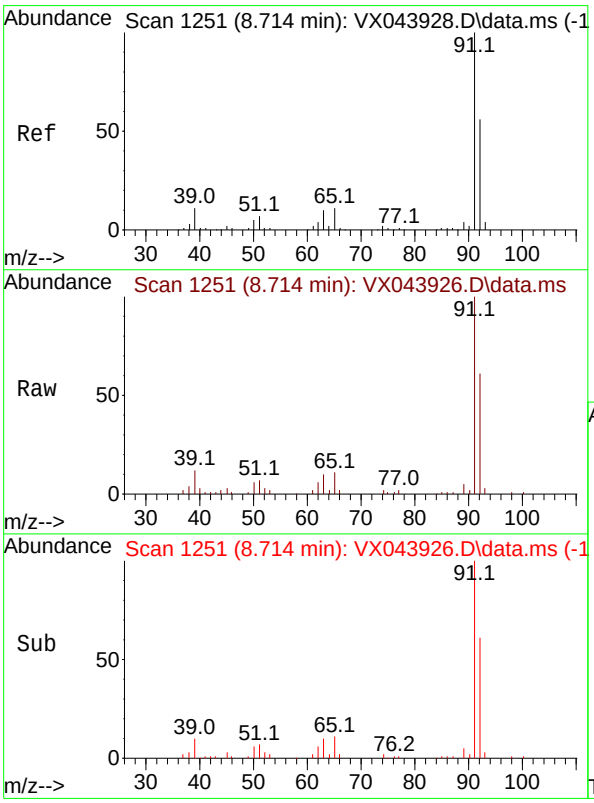
Ion	Ratio	Lower	Upper
43	100		
58	35.9	30.0	45.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

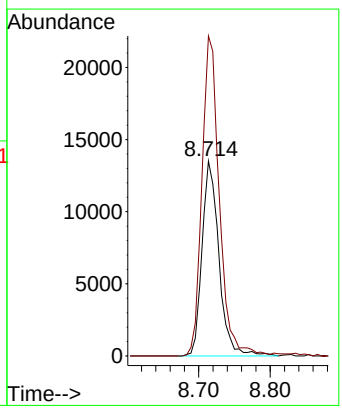


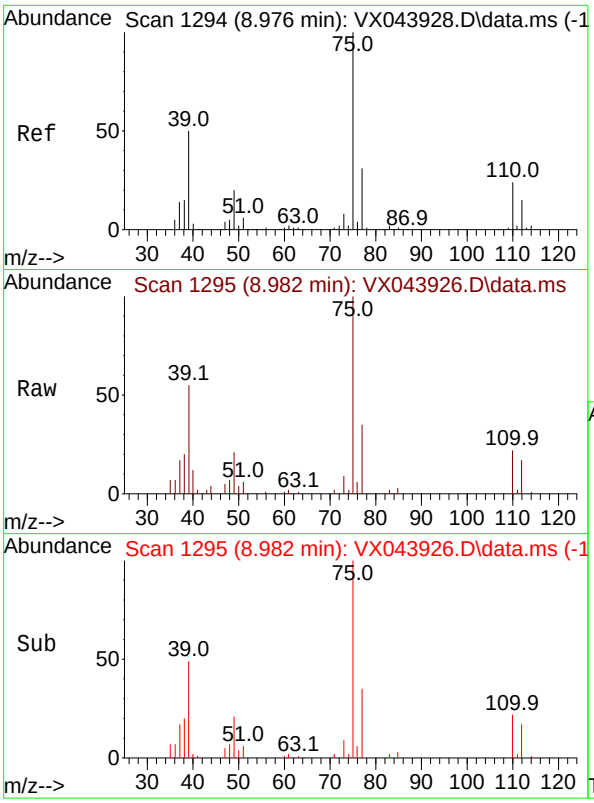


#52
Toluene
Concen: 5.051 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 92 Resp: 22218

Ion	Ratio	Lower	Upper
92	100		
91	168.5	139.7	209.5

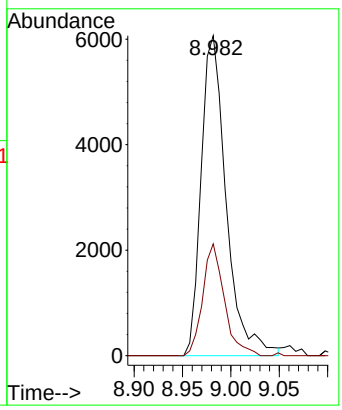




#53
t-1,3-Dichloropropene
Concen: 4.200 ug/l
RT: 8.982 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 75 Resp: 1093

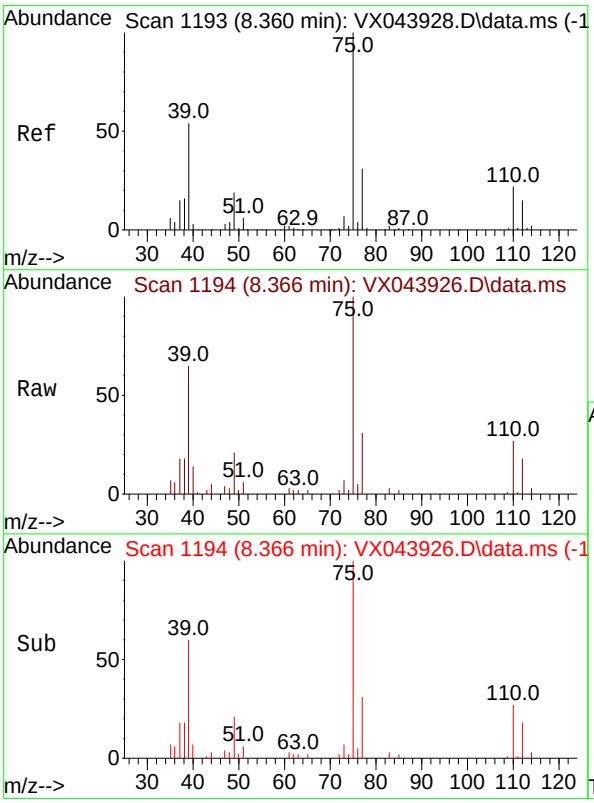
Ion	Ratio	Lower	Upper
75	100		
77	35.0	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

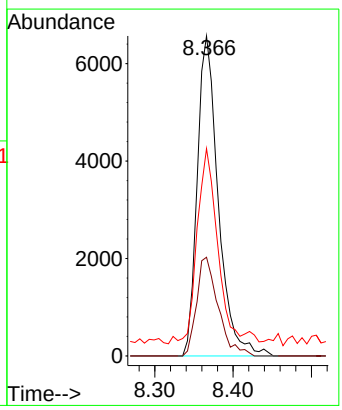
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

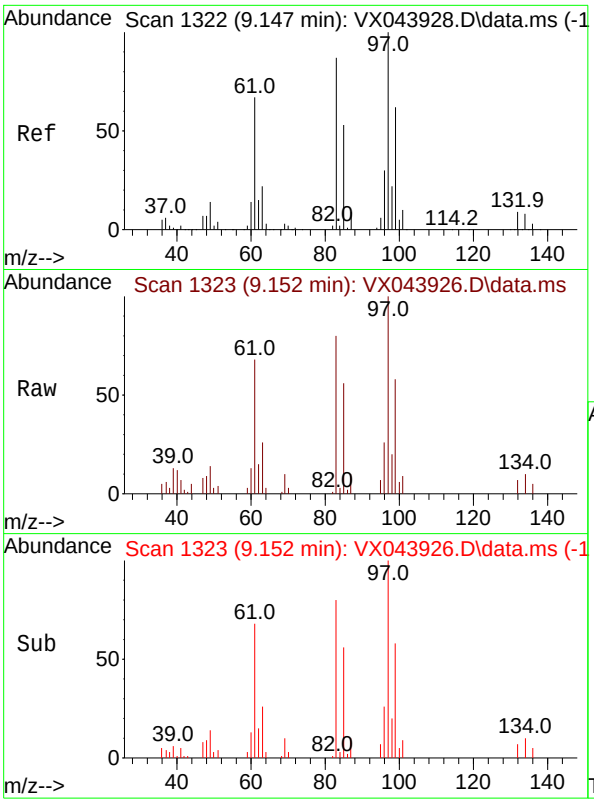


#54
cis-1,3-Dichloropropene
Concen: 4.292 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 75 Resp: 12253

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.2	37.8
39	60.0	43.1	64.7

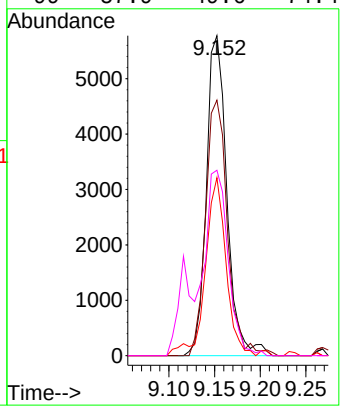




#55
1,1,2-Trichloroethane
Concen: 4.957 ug/l
RT: 9.152 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 97 Resp: 900

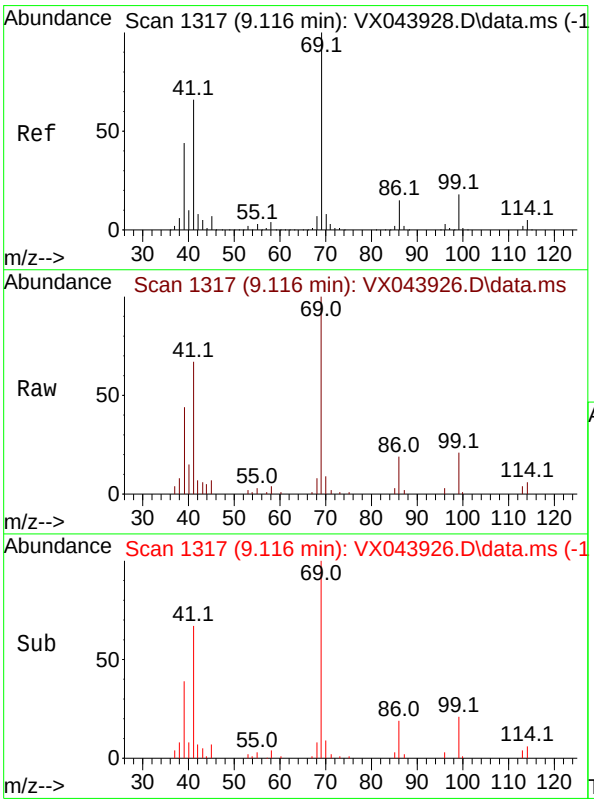
Ion	Ratio	Lower	Upper
97	100		
83	79.8	69.4	104.0
85	55.6	42.3	63.5
99	57.9	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

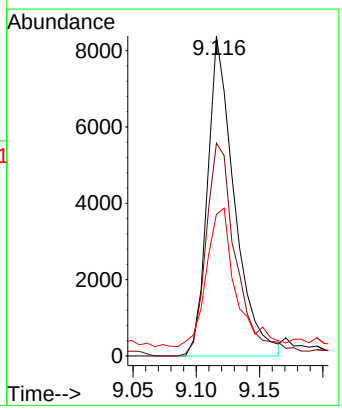
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

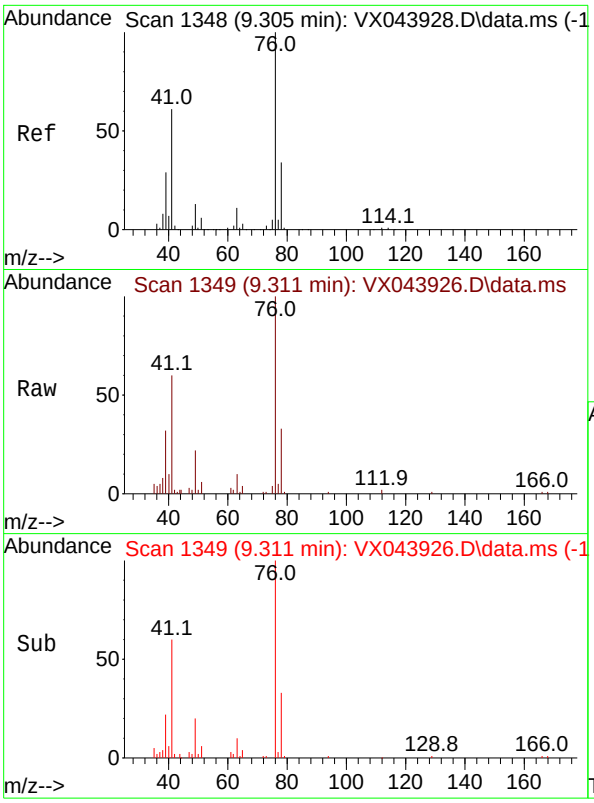


#56
Ethyl methacrylate
Concen: 4.378 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 69 Resp: 12381

Ion	Ratio	Lower	Upper
69	100		
41	75.0	55.8	83.8
39	46.7	36.7	55.1





#57
1,3-Dichloropropane
Concen: 4.973 ug/l
RT: 9.311 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

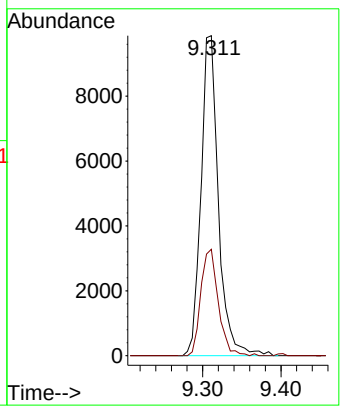
Tgt Ion: 76 Resp: 1521

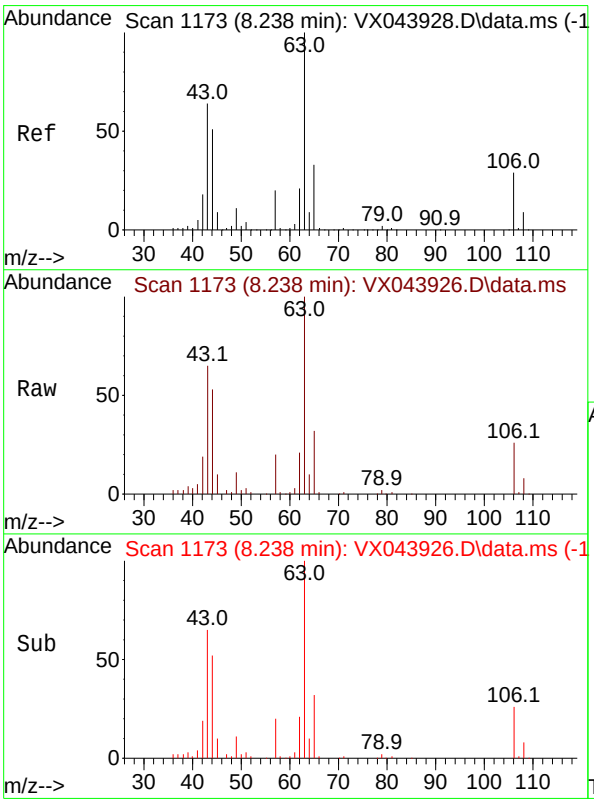
Ion	Ratio	Lower	Upper
76	100		
78	33.4	26.0	39.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

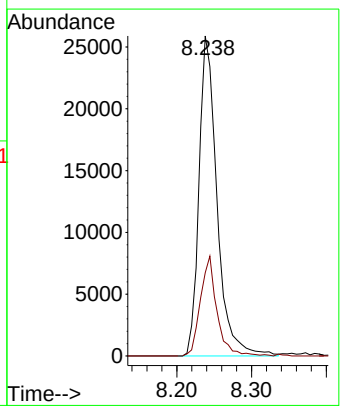


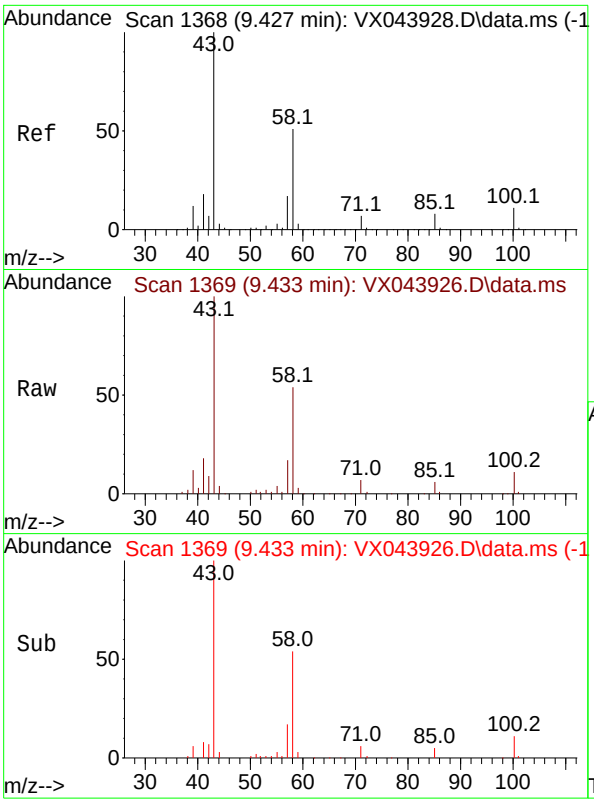


#58
2-Chloroethyl Vinyl ether
Concen: 27.673 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 63 Resp: 43351

Ion	Ratio	Lower	Upper
63	100		
106	28.6	23.0	34.6





#59
2-Hexanone
Concen: 24.357 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

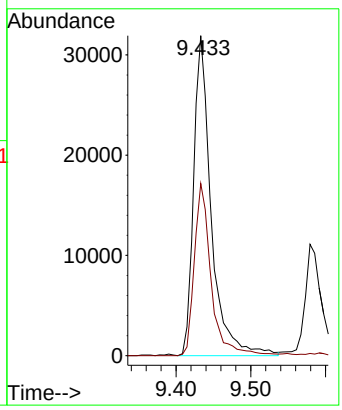
Tgt Ion: 43 Resp: 5207

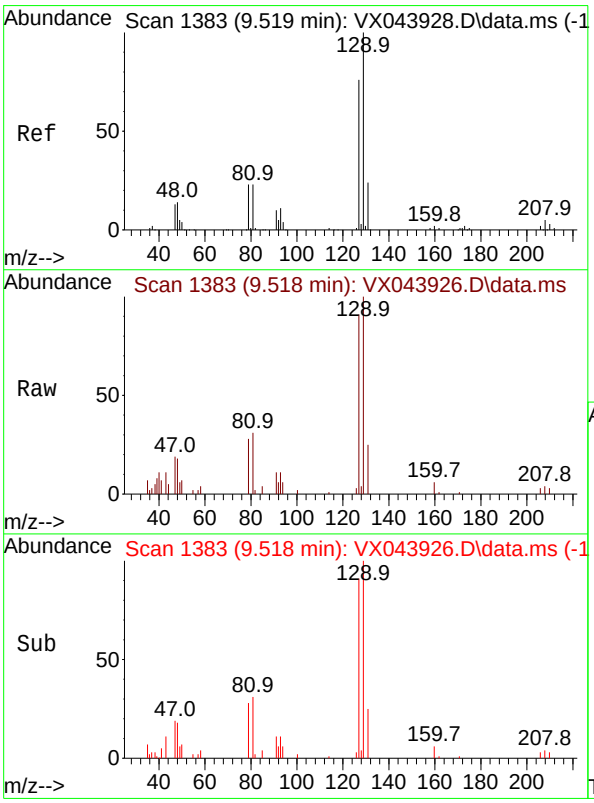
Ion	Ratio	Lower	Upper
43	100		
58	51.4	25.9	77.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

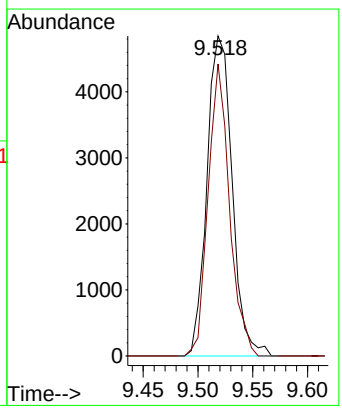


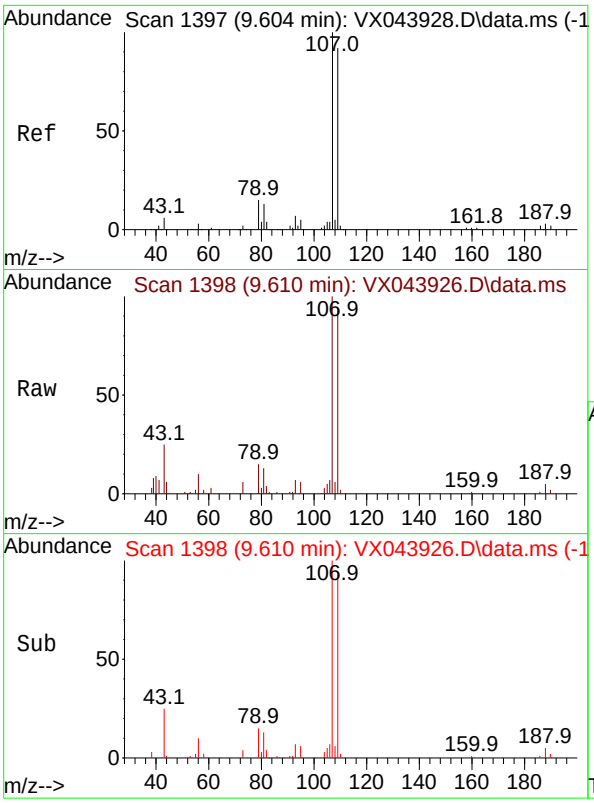


#60
Dibromochloromethane
Concen: 4.247 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:129 Resp: 7738

Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.2	114.6





#61
1,2-Dibromoethane
Concen: 4.894 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

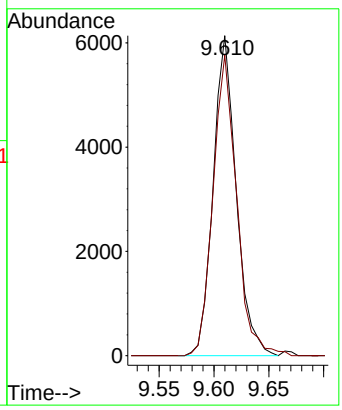
Tgt Ion:107 Resp: 898

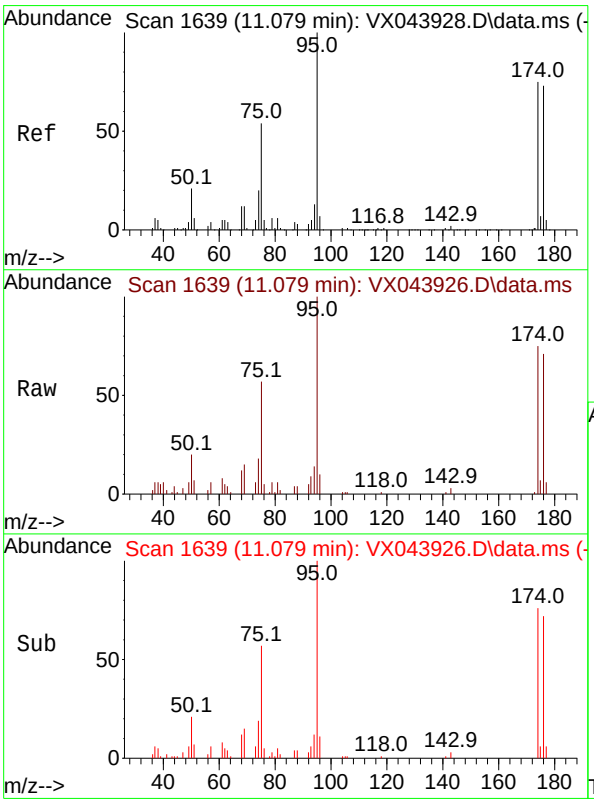
Ion	Ratio	Lower	Upper
107	100		
109	96.2	75.2	112.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

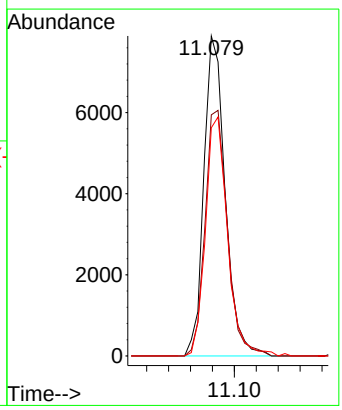


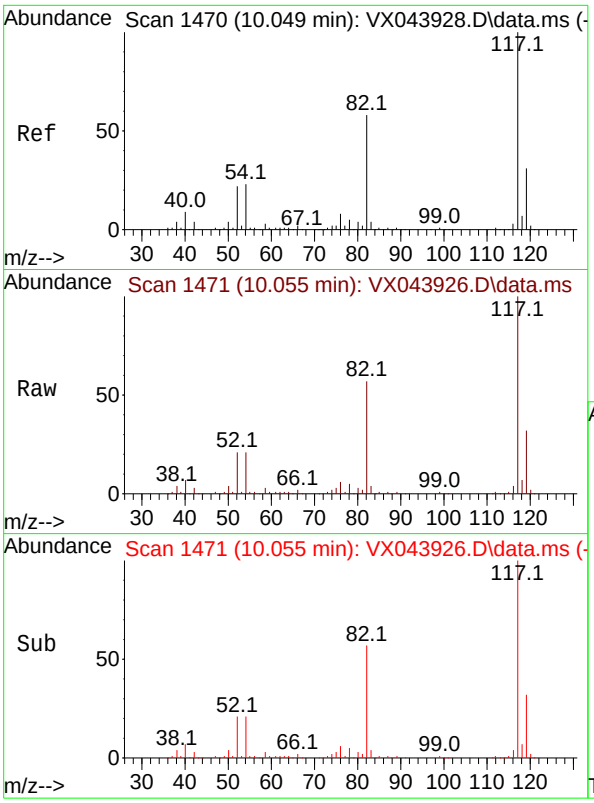


#62
4-Bromofluorobenzene
Concen: 4.780 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 95 Resp: 10618

Ion	Ratio	Lower	Upper
95	100		
174	80.9	0.0	150.4
176	77.6	0.0	146.0

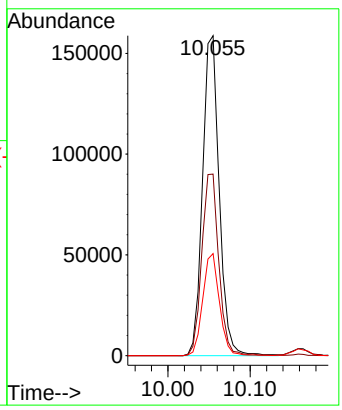




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:117 Resp: 22351

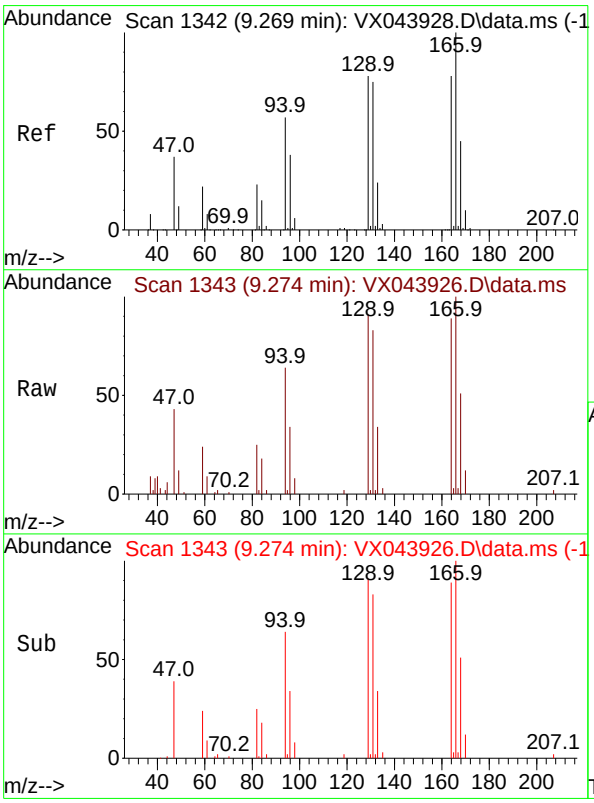
Ion	Ratio	Lower	Upper
117	100		
82	56.8	46.4	69.6
119	31.9	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

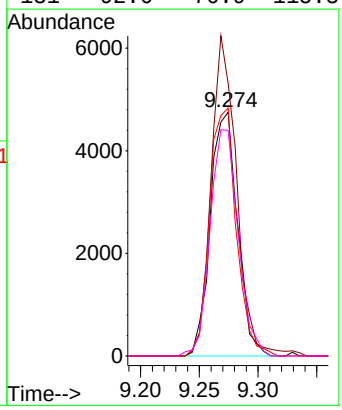
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

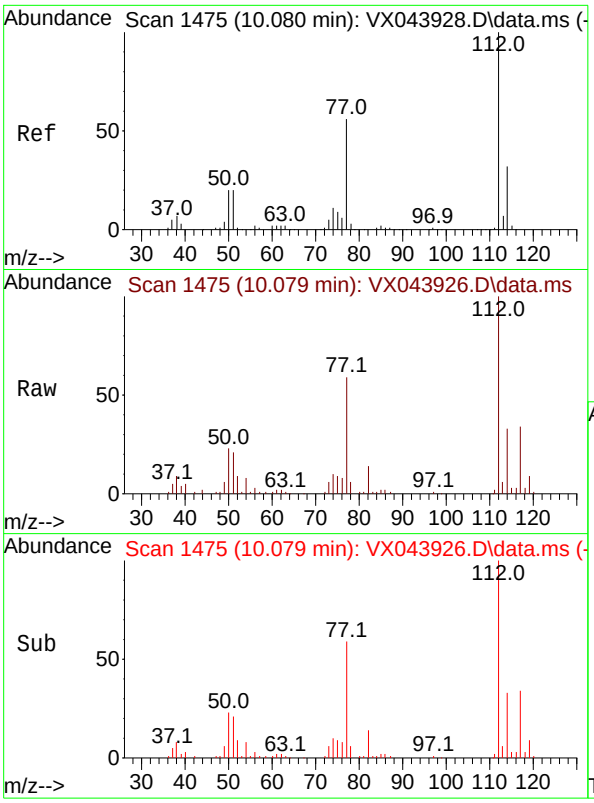


#64
Tetrachloroethene
Concen: 5.185 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:164 Resp: 7642

Ion	Ratio	Lower	Upper
164	100		
166	111.9	102.1	153.1
129	101.7	79.6	119.4
131	92.6	76.9	115.3





#65
Chlorobenzene
Concen: 5.050 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

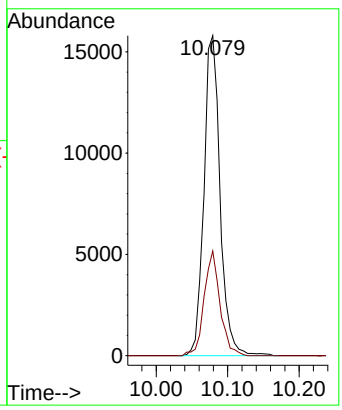
Tgt Ion:112 Resp: 2479

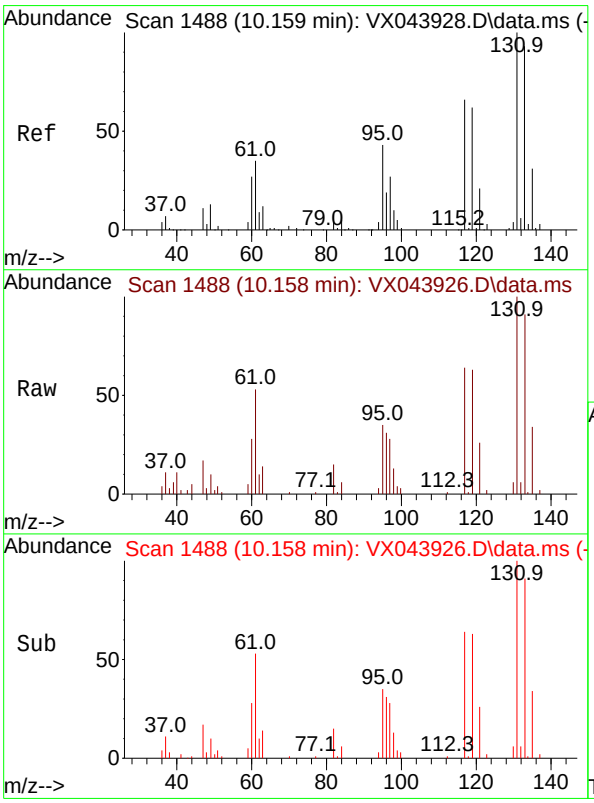
Ion	Ratio	Lower	Upper
112	100		
114	32.7	25.4	38.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

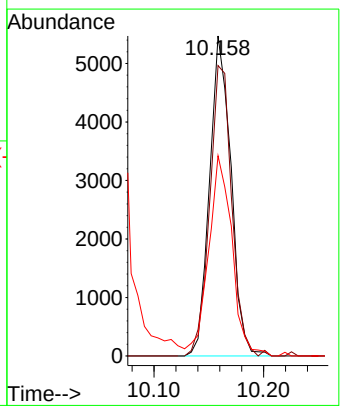


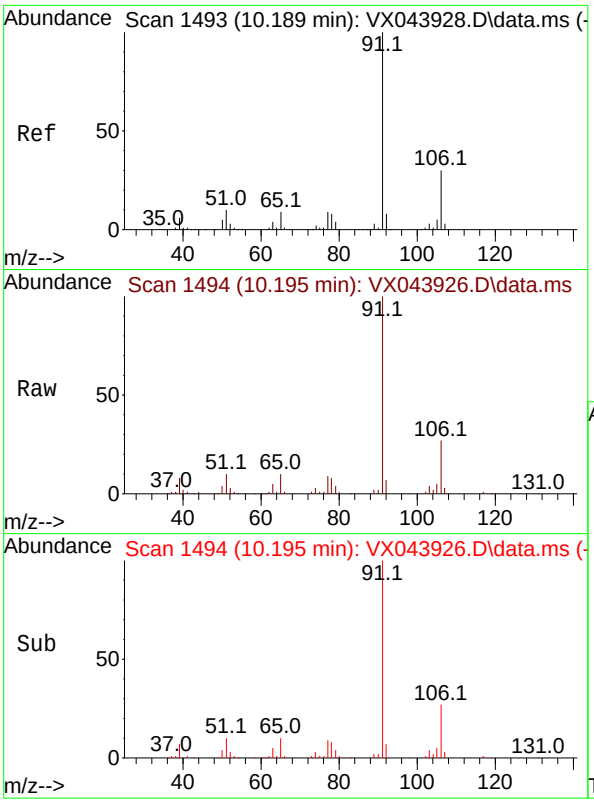


#66
1,1,1,2-Tetrachloroethane
Concen: 4.661 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:131 Resp: 7421

Ion	Ratio	Lower	Upper
131	100		
133	94.1	48.2	144.6
119	68.3	31.5	94.5





#67
Ethyl Benzene
Concen: 4.920 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

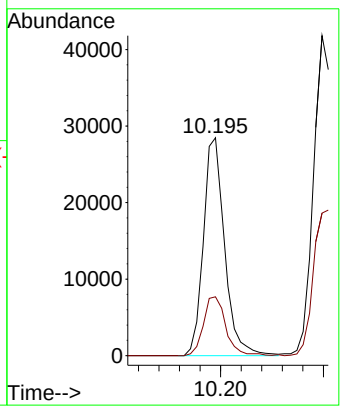
Tgt Ion: 91 Resp: 4092

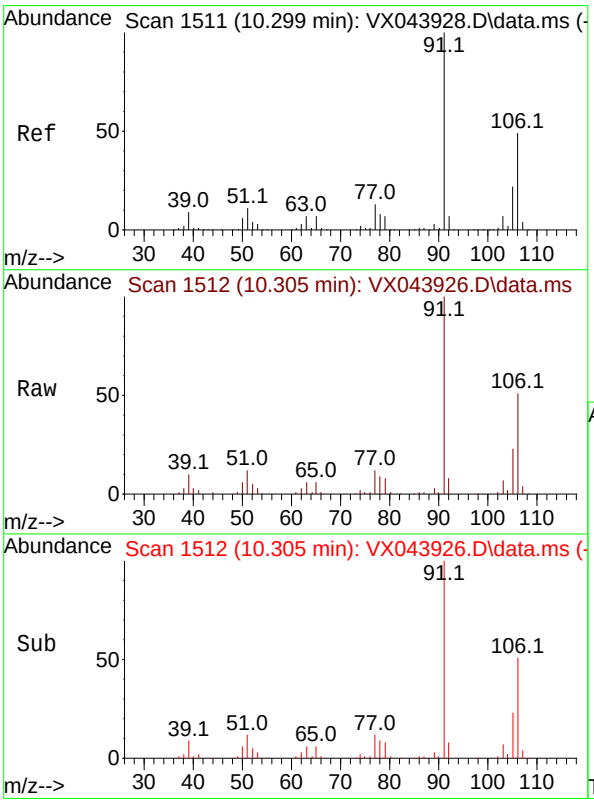
Ion	Ratio	Lower	Upper
91	100		
106	27.0	23.6	35.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

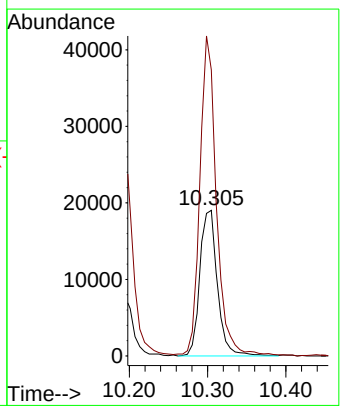


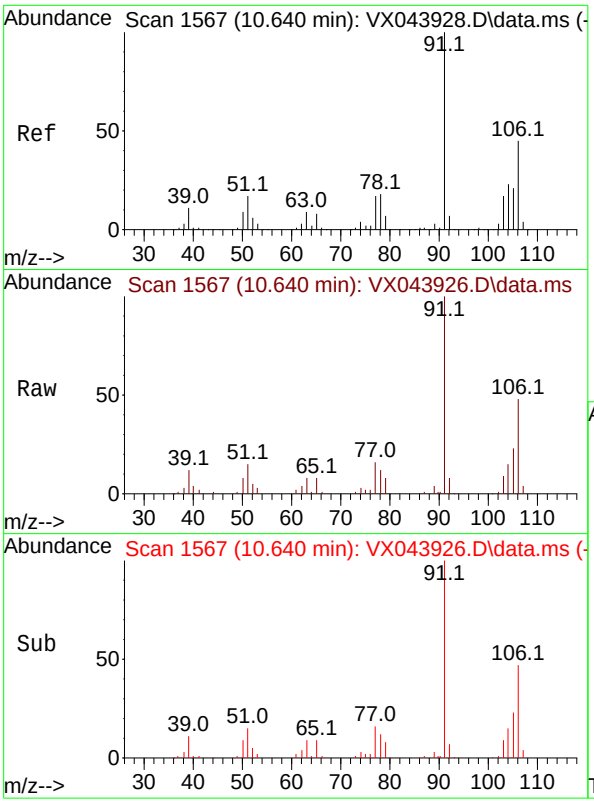


#68
m/p-Xylenes
Concen: 9.553 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:106 Resp: 29635

Ion	Ratio	Lower	Upper
106	100		
91	208.0	168.1	252.1





#69
o-Xylene
Concen: 4.905 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

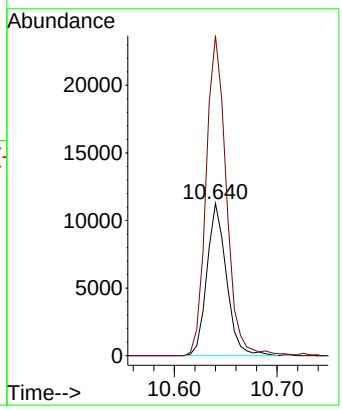
Tgt Ion:106 Resp: 1485

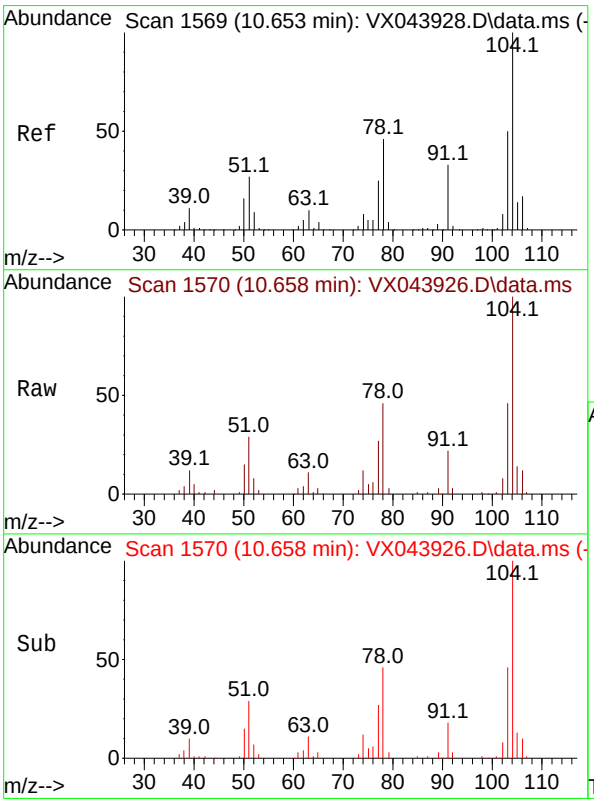
Ion	Ratio	Lower	Upper
106	100		
91	217.8	110.2	330.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

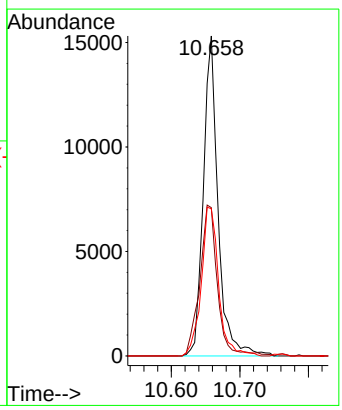


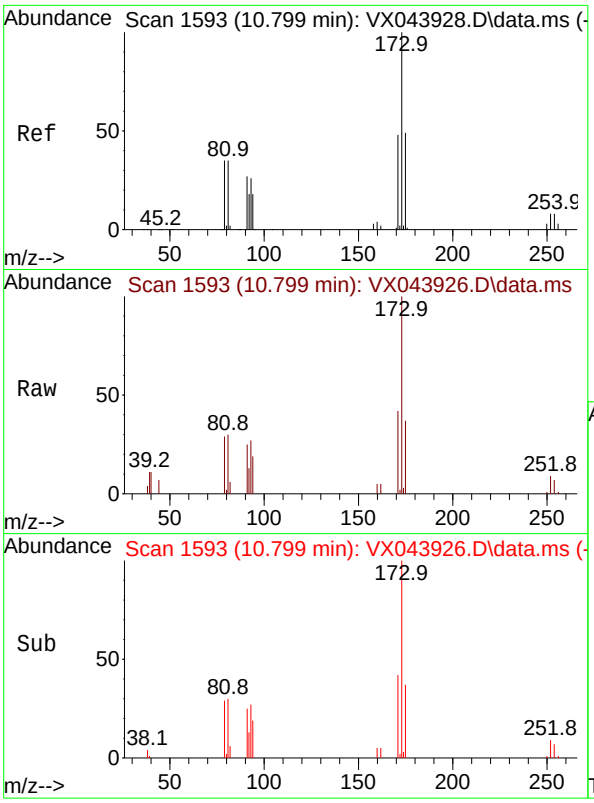


#70
Styrene
Concen: 4.573 ug/l
RT: 10.658 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:104 Resp: 22907

Ion	Ratio	Lower	Upper
104	100		
78	56.4	42.2	63.2
103	54.8	44.7	67.1

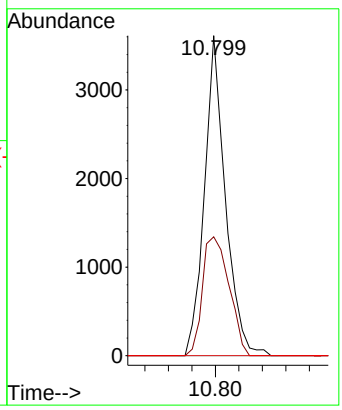




#71
Bromoform
Concen: 5.004 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:173 Resp: 447

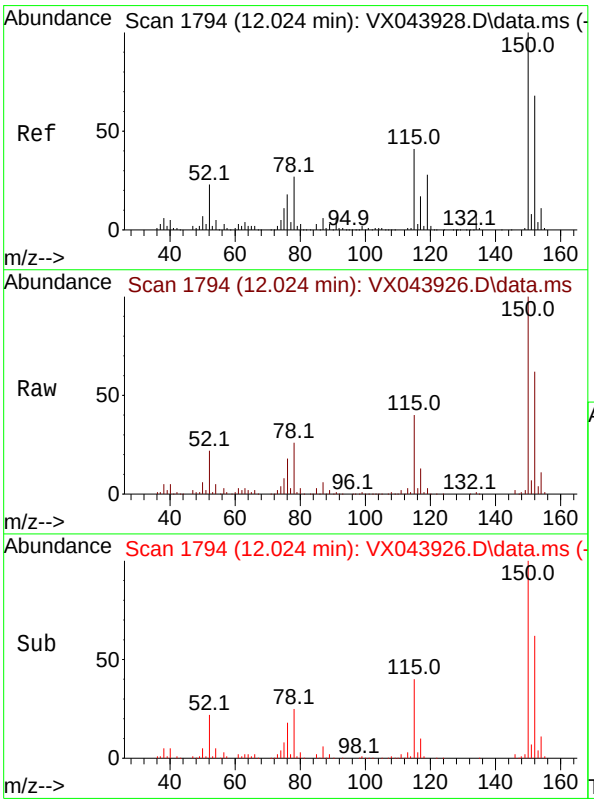
Ion	Ratio	Lower	Upper
173	100		
175	47.1	24.1	72.2
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

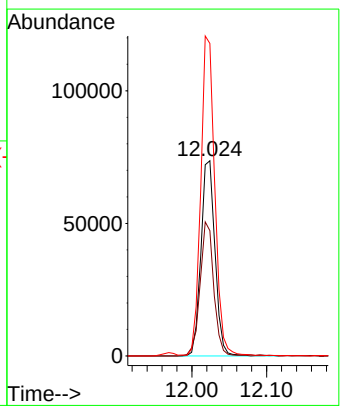
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

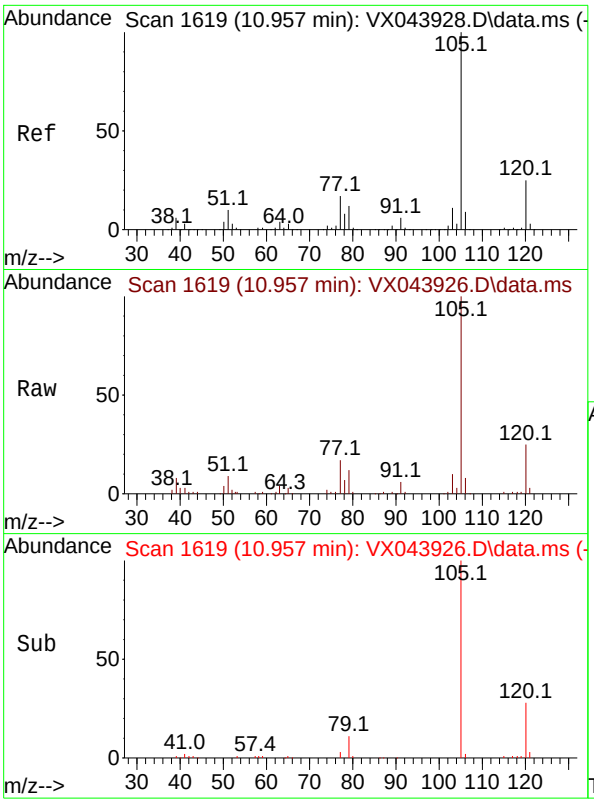


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:152 Resp: 96662

Ion	Ratio	Lower	Upper
152	100		
115	66.4	45.4	136.2
150	162.1	0.0	353.0

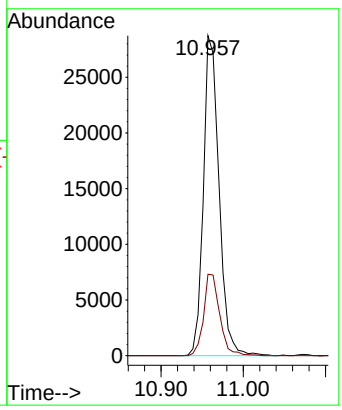




#73
Isopropylbenzene
Concen: 5.109 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:105 Resp: 3795

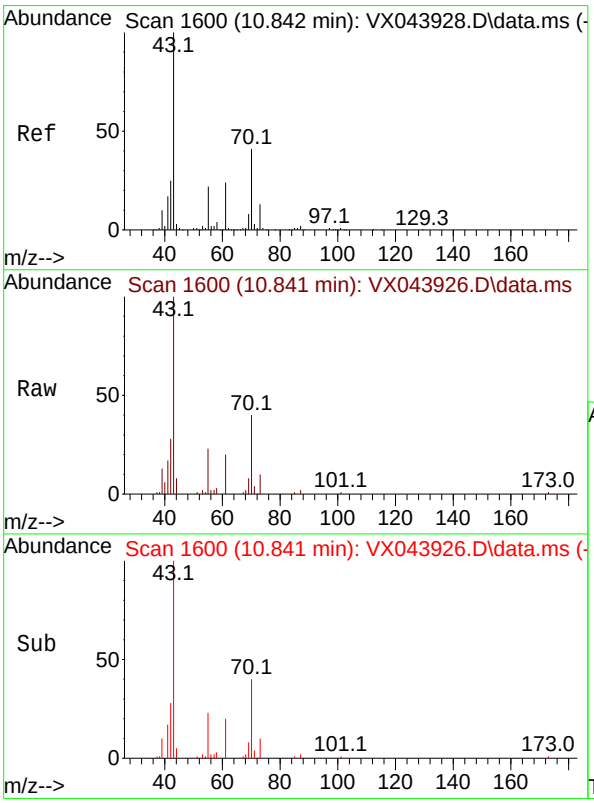
Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.0	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

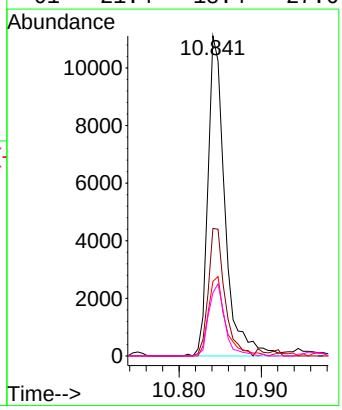
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

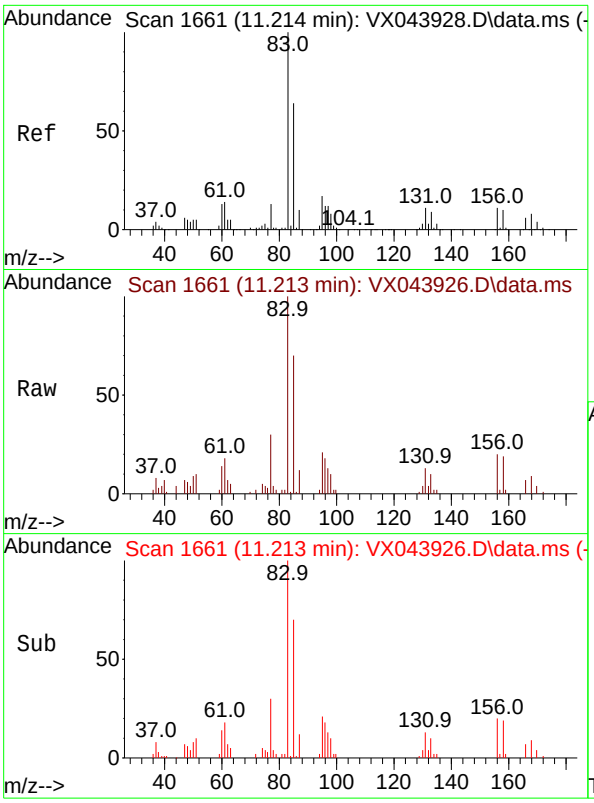


#74
N-amyl acetate
Concen: 4.627 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 43 Resp: 15928

Ion	Ratio	Lower	Upper
43	100		
70	38.5	32.2	48.2
55	24.8	18.1	27.1
61	21.4	18.4	27.6

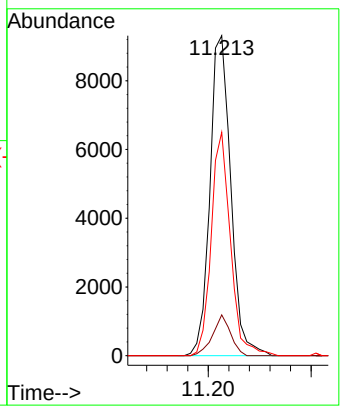




#75
1,1,2,2-Tetrachloroethane
Concen: 5.152 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 83 Resp: 1310

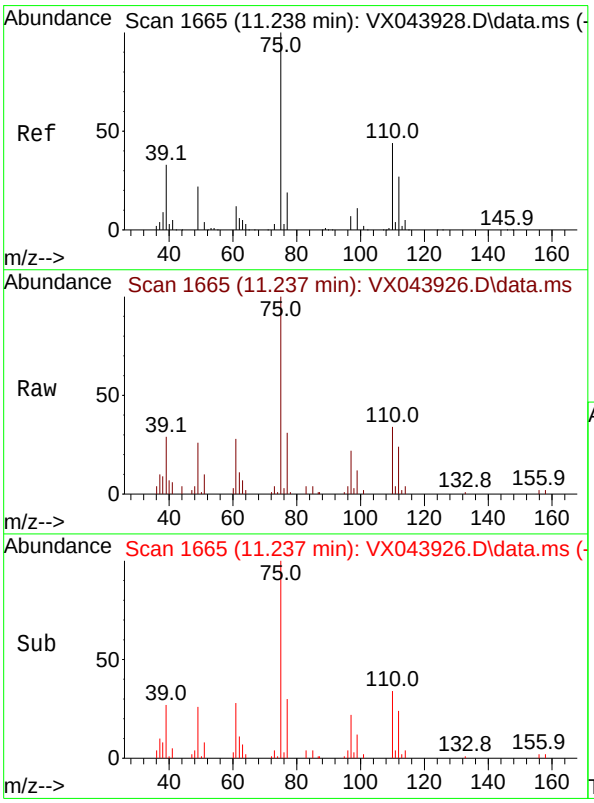
Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.1	15.2
85	64.3	32.2	96.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

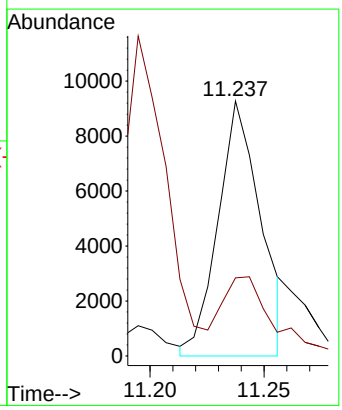
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

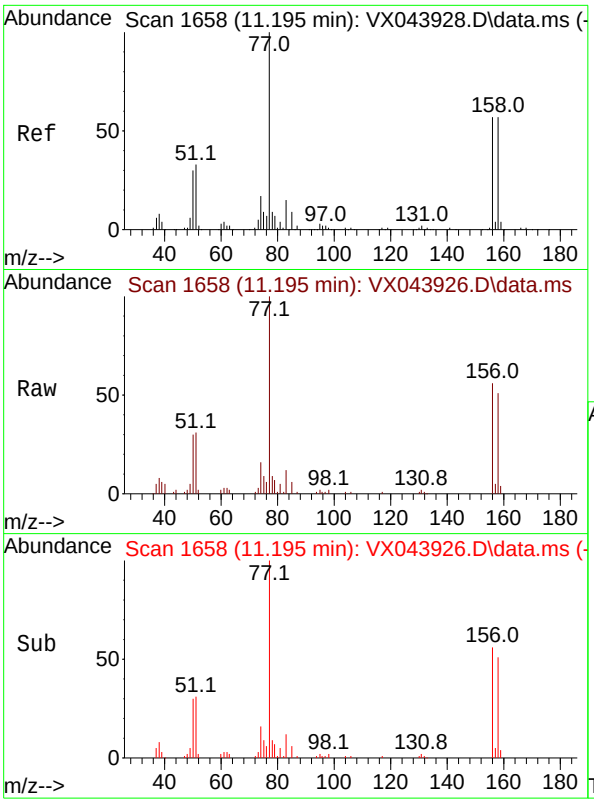


#76
1,2,3-Trichloropropane
Concen: 5.776 ug/l m
RT: 11.237 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 75 Resp: 12040

Ion	Ratio	Lower	Upper
75	100		
77	37.4	21.8	65.3

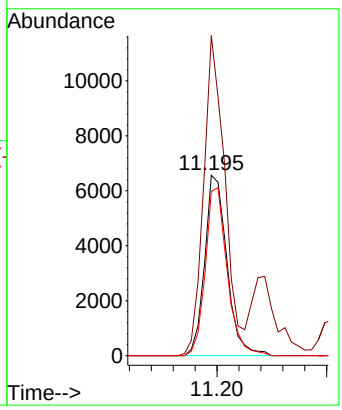




#77
Bromobenzene
Concen: 5.224 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:156 Resp: 925

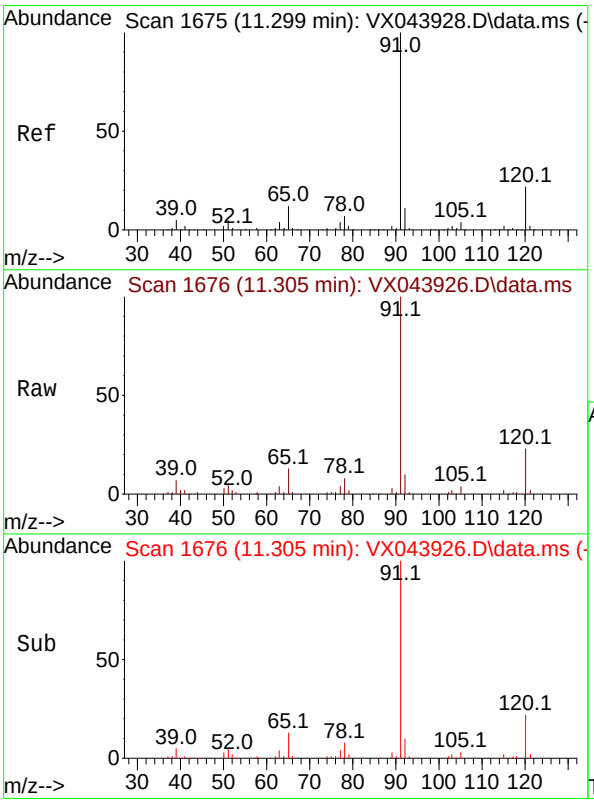
Ion	Ratio	Lower	Upper
156	100		
77	169.5	83.4	250.1
158	91.6	47.6	142.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

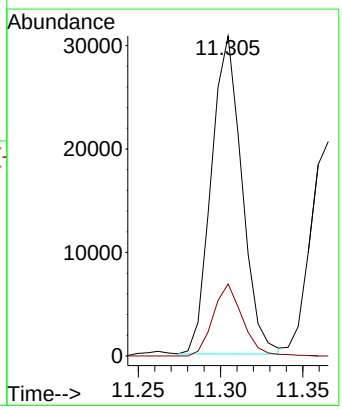
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

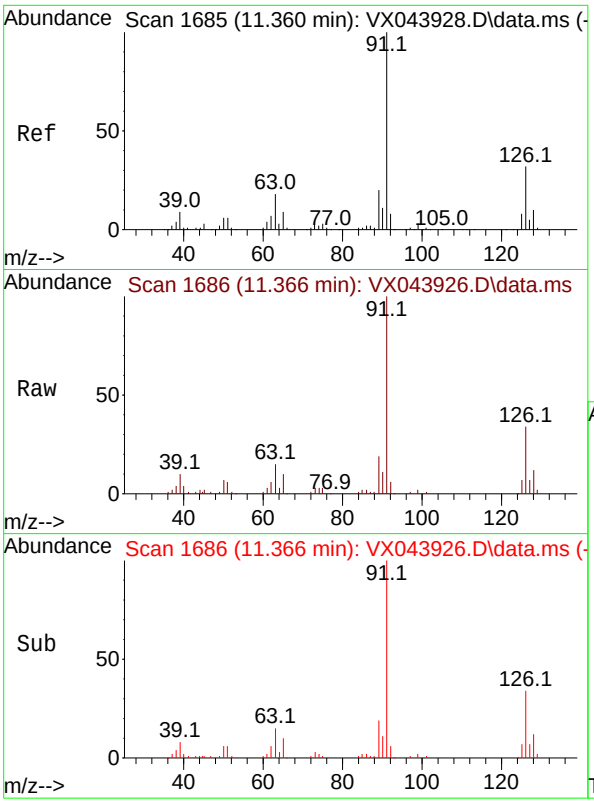


#78
n-propylbenzene
Concen: 4.793 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 91 Resp: 39774

Ion	Ratio	Lower	Upper
91	100		
120	21.7	11.5	34.4





#79
2-Chlorotoluene
Concen: 5.096 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

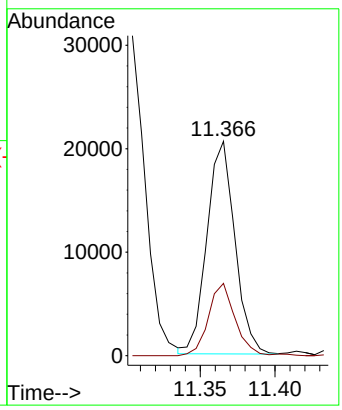
Tgt Ion: 91 Resp: 2674

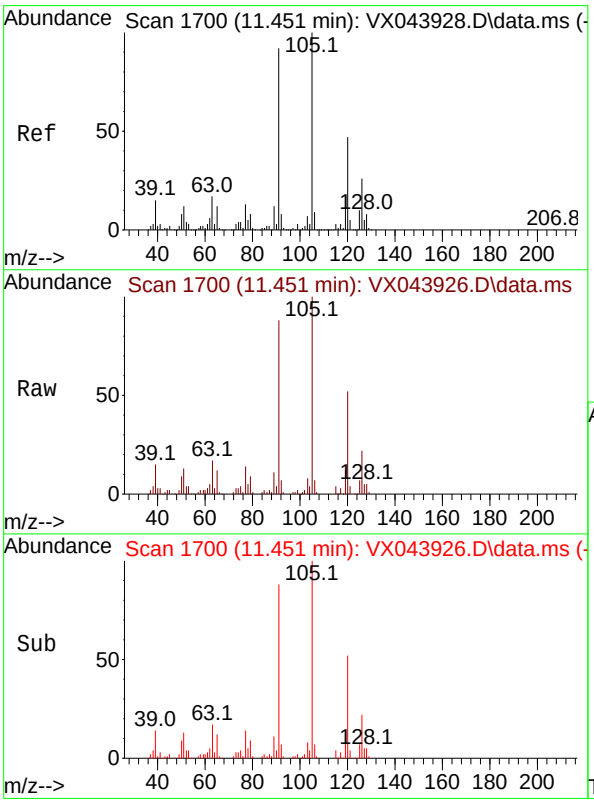
Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.6	49.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

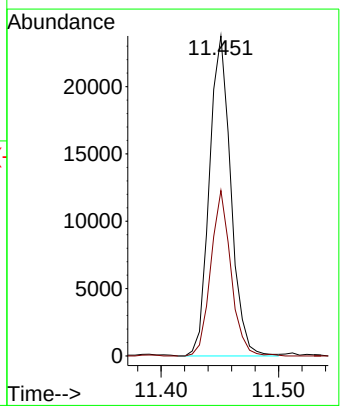


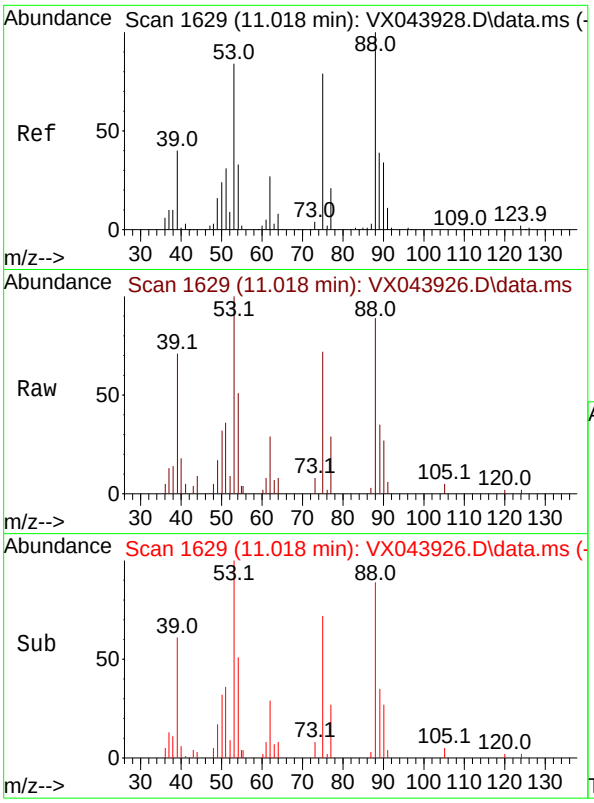


#80
1,3,5-Trimethylbenzene
Concen: 4.926 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:105 Resp: 30114

Ion	Ratio	Lower	Upper
105	100		
120	48.6	23.3	69.8





#81
trans-1,4-Dichloro-2-butene
Concen: 3.707 ug/l
RT: 11.018 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

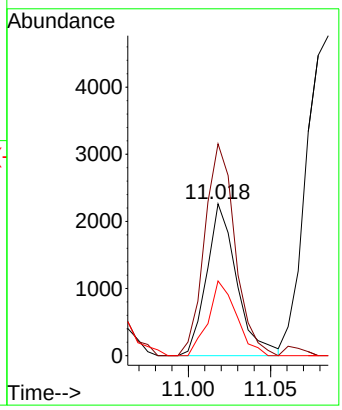
Tgt Ion: 75 Resp: 288(

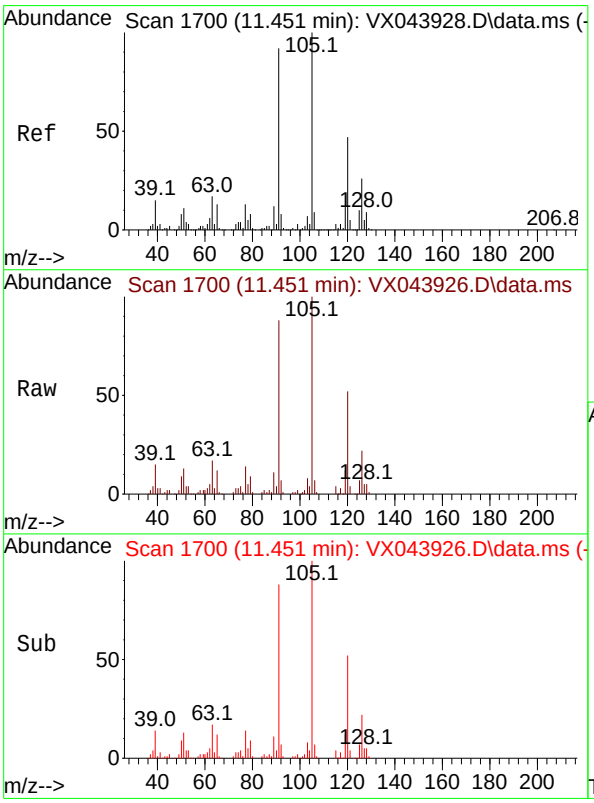
Ion	Ratio	Lower	Upper
75	100		
53	141.1	86.7	130.1#
89	45.9	38.2	57.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

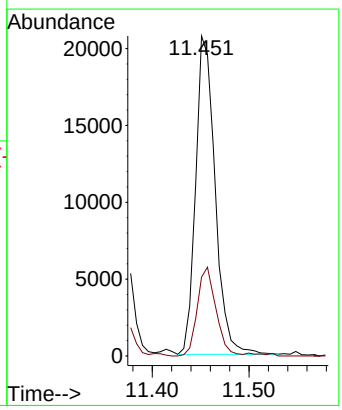


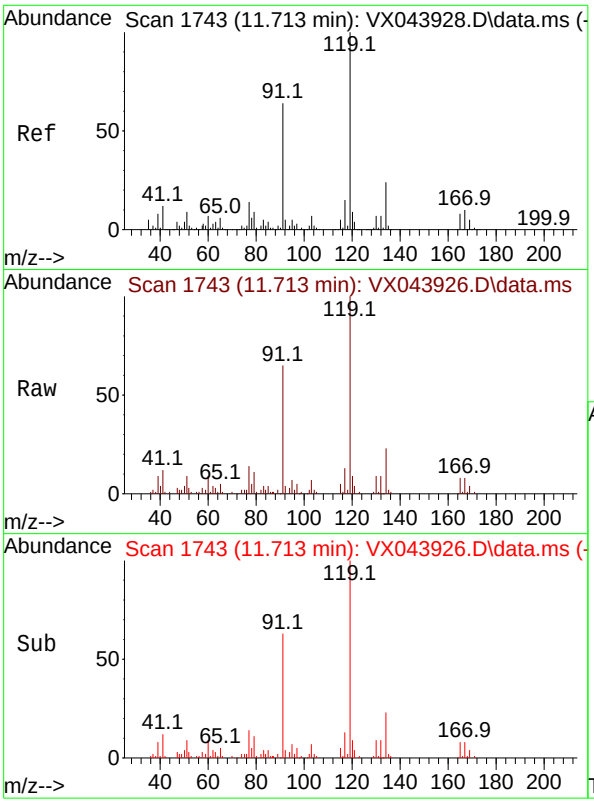


#82
4-Chlorotoluene
Concen: 4.903 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 91 Resp: 29049

Ion	Ratio	Lower	Upper
91	100		
126	26.7	14.3	42.9





#83
tert-Butylbenzene
Concen: 4.940 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

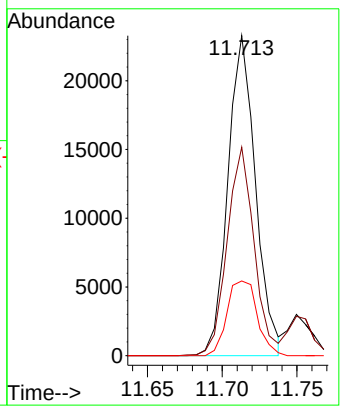
Tgt Ion:119 Resp: 2993

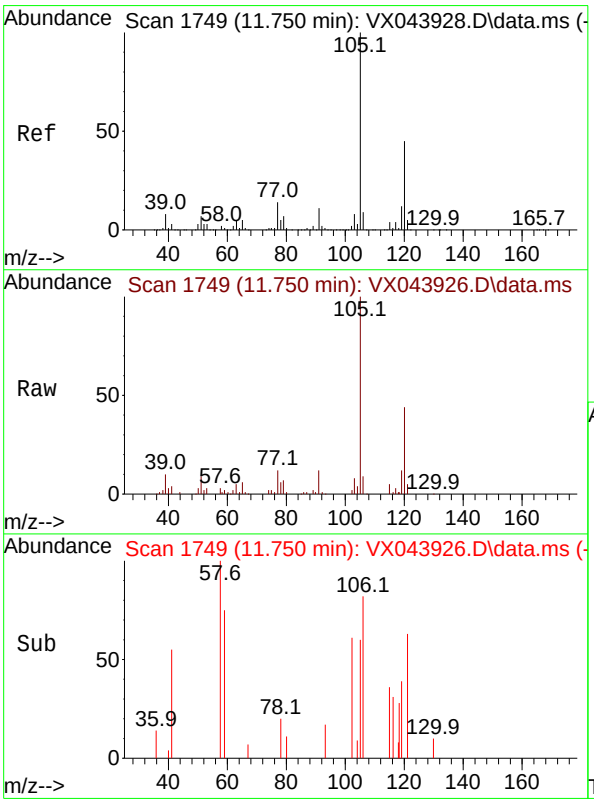
Ion	Ratio	Lower	Upper
119	100		
91	63.8	31.0	93.0
134	25.6	11.6	34.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

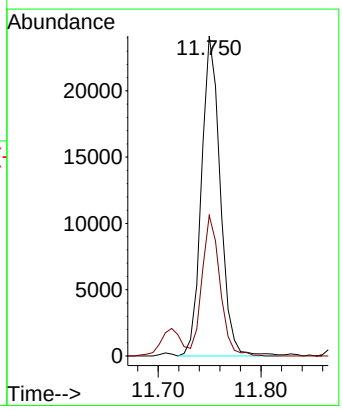


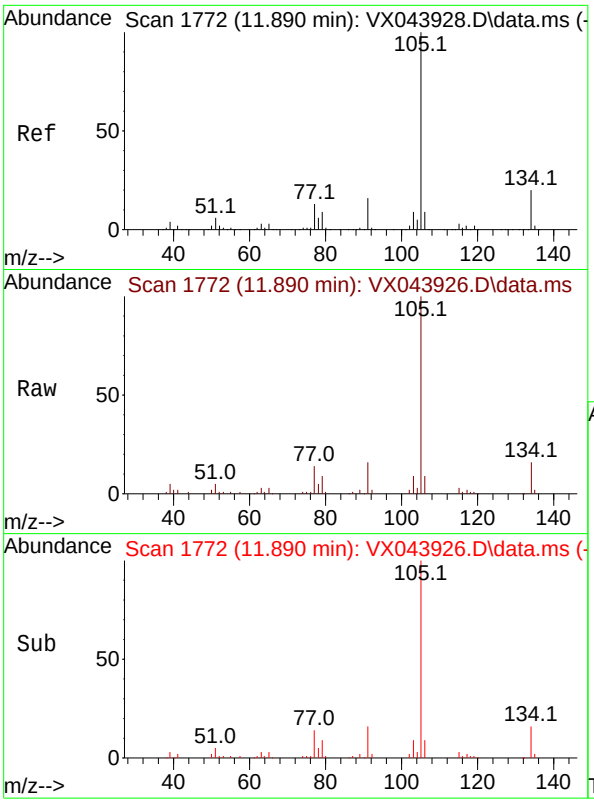


#84
1,2,4-Trimethylbenzene
Concen: 5.040 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:105 Resp: 30674

Ion	Ratio	Lower	Upper
105	100		
120	41.6	21.9	65.7





#85
sec-Butylbenzene
Concen: 5.105 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

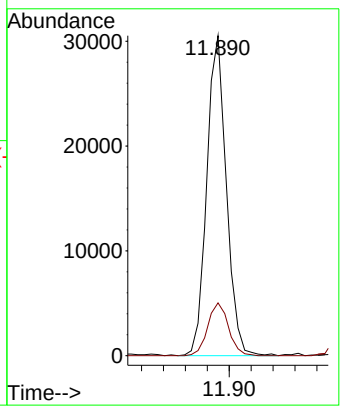
Tgt Ion:105 Resp: 3789

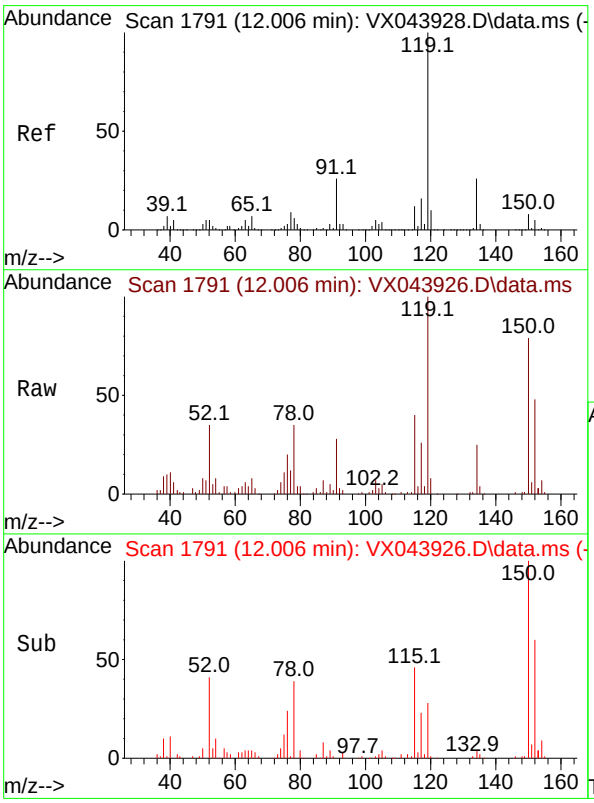
Ion	Ratio	Lower	Upper
105	100		
134	17.5	9.7	29.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

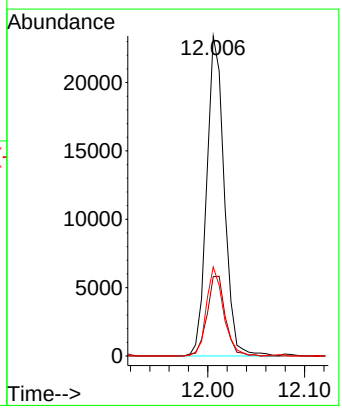


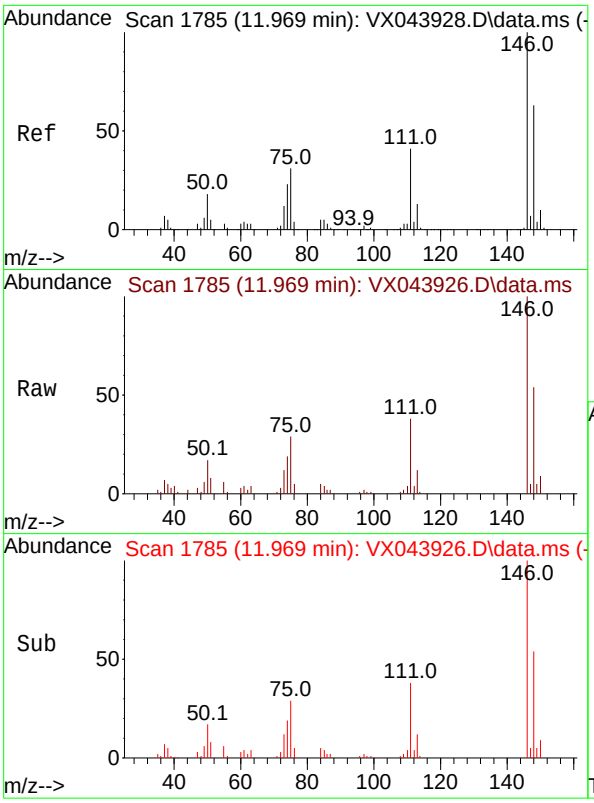


#86
p-Isopropyltoluene
Concen: 4.878 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:119 Resp: 29412

Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.0	38.9
91	27.3	13.0	38.9

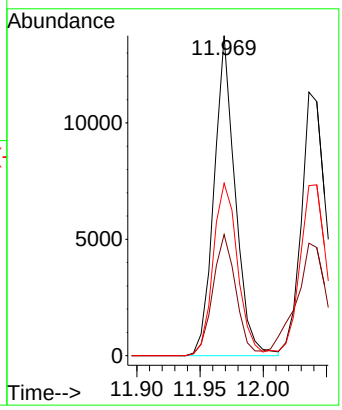




#87
1,3-Dichlorobenzene
Concen: 4.959 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:146 Resp: 1600

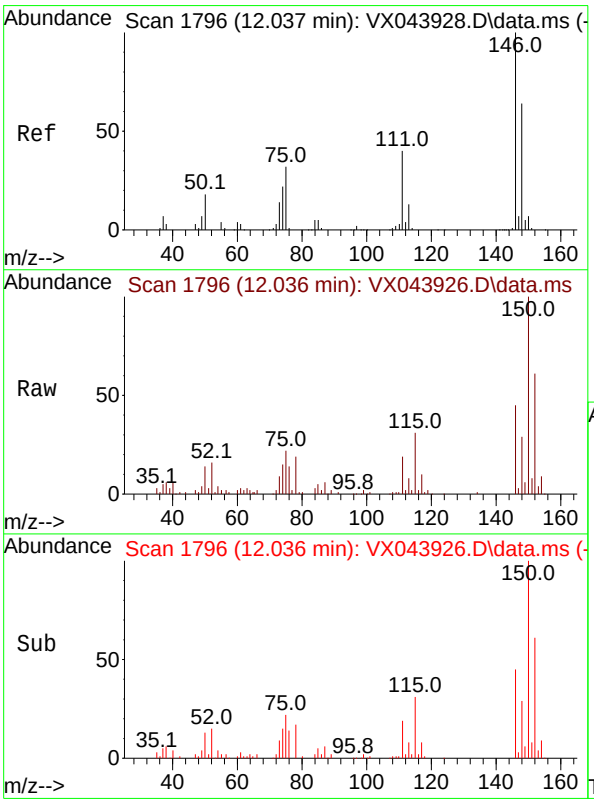
Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.1	63.3
148	62.9	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

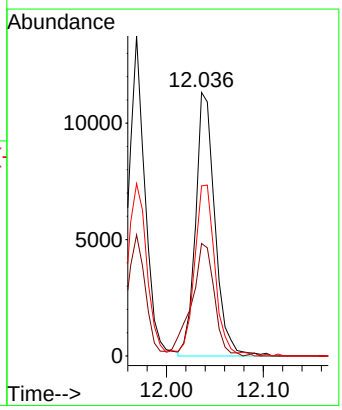
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

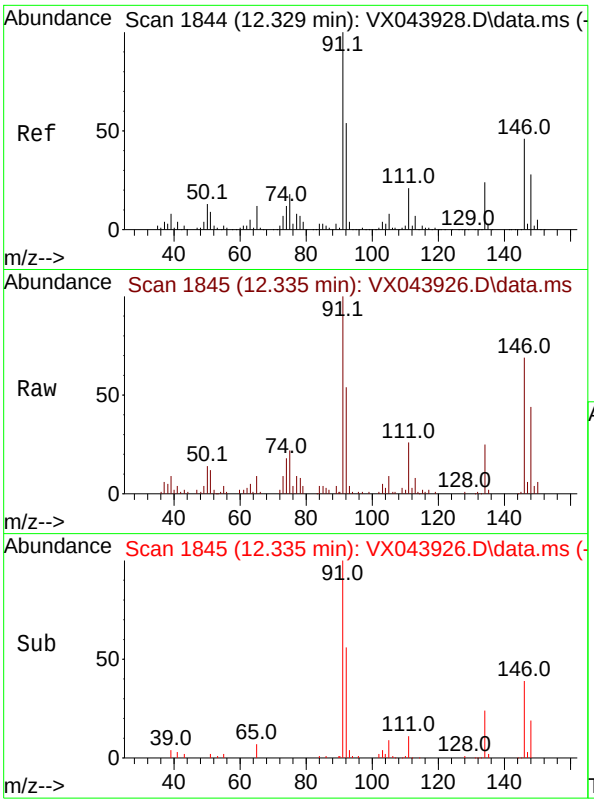


#88
1,4-Dichlorobenzene
Concen: 4.831 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:146 Resp: 15837

Ion	Ratio	Lower	Upper
146	100		
111	50.2	20.1	60.3
148	67.9	30.9	92.8





#89
n-Butylbenzene
Concen: 4.691 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

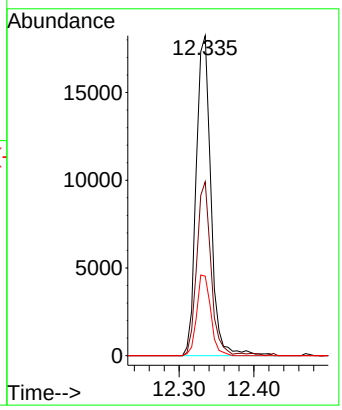
Tgt Ion: 91 Resp: 2493

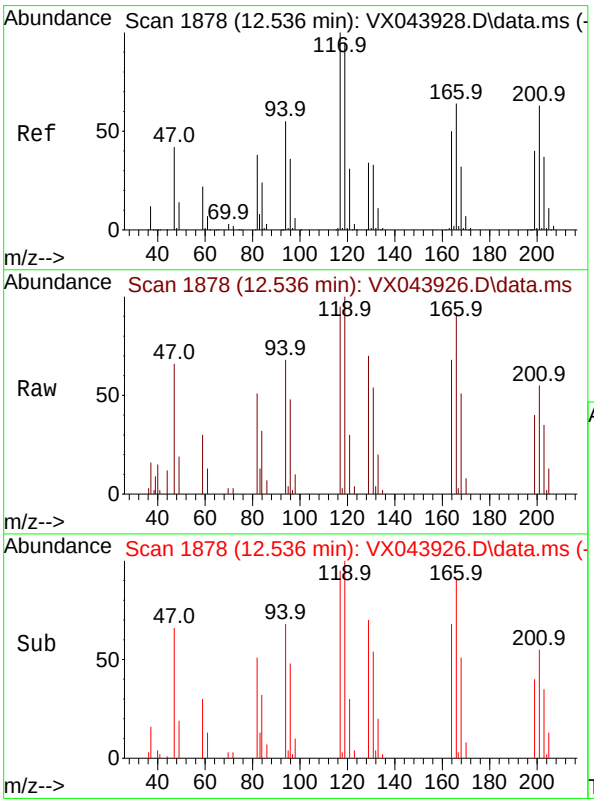
Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.6	79.8
134	23.9	12.4	37.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

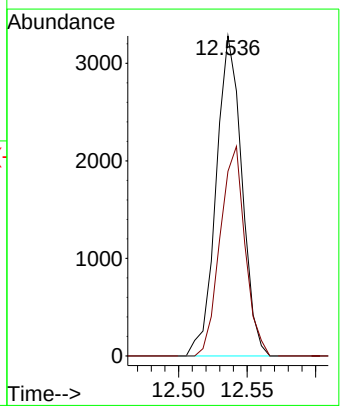


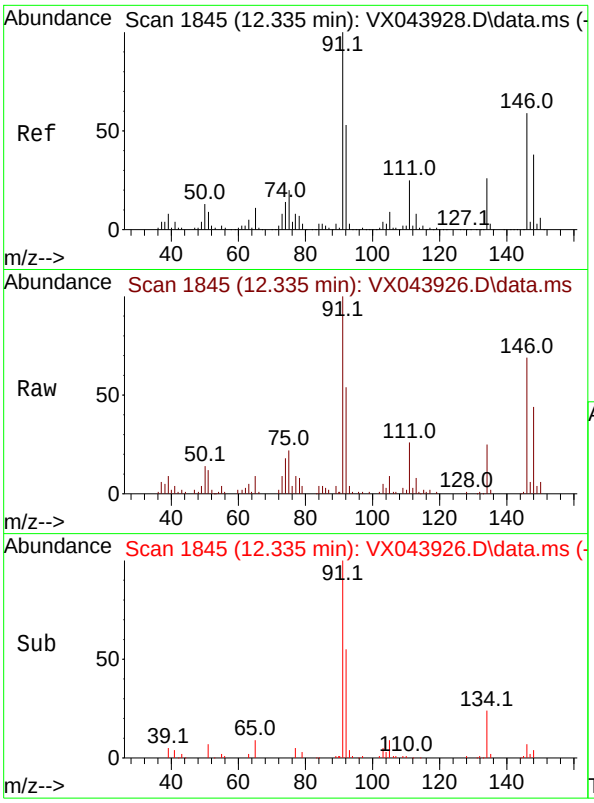


#90
Hexachloroethane
Concen: 4.173 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:117 Resp: 4279

Ion	Ratio	Lower	Upper
117	100		
201	63.6	32.4	97.0

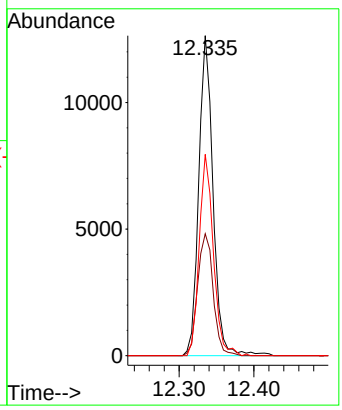




#91
1,2-Dichlorobenzene
Concen: 5.140 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:146 Resp: 1674

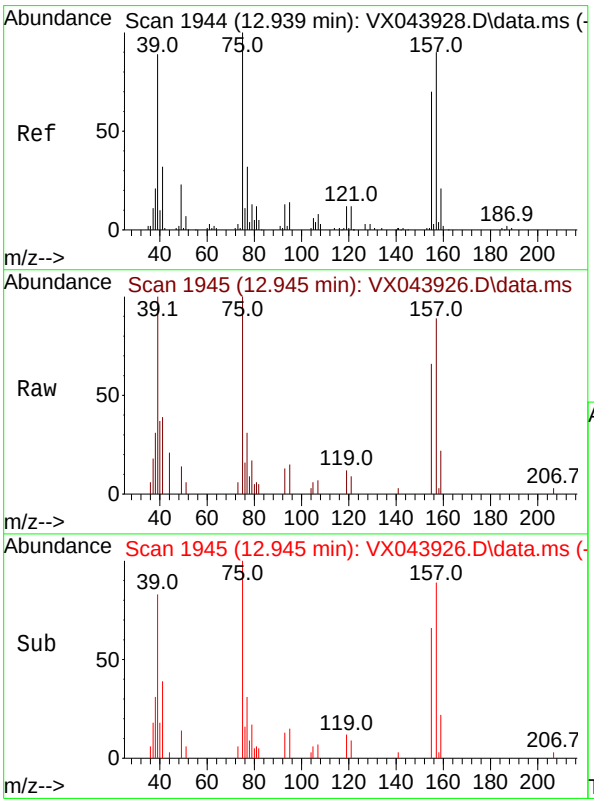
Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.5	64.5
148	62.4	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

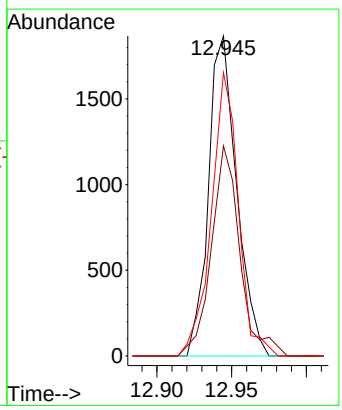
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

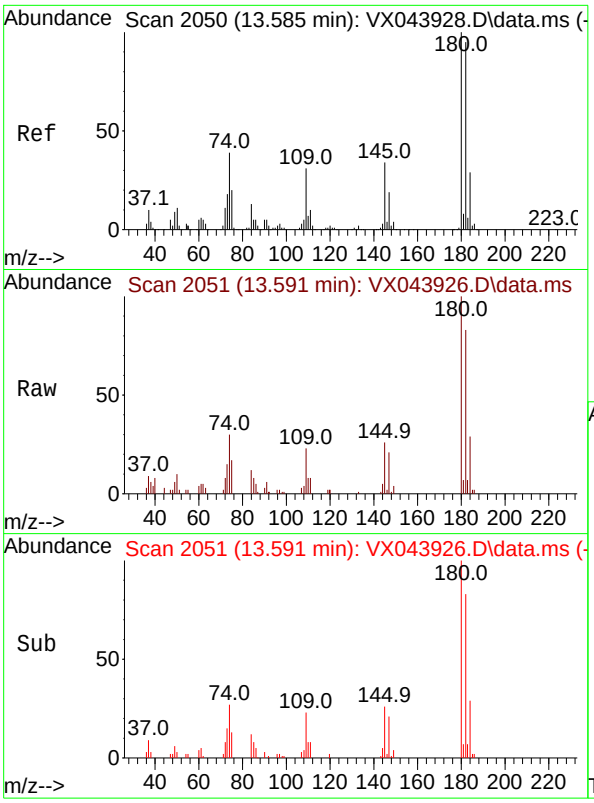


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.814 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 75 Resp: 2454

Ion	Ratio	Lower	Upper
75	100		
155	66.2	40.1	120.2
157	84.5	49.6	149.0





#93
1,2,4-Trichlorobenzene
Concen: 4.553 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

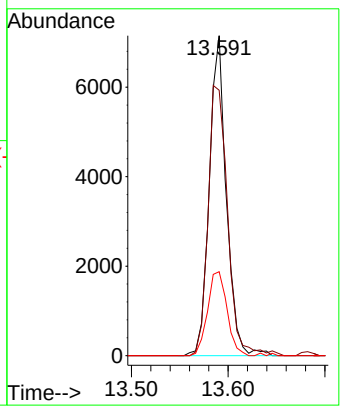
Tgt Ion:180 Resp: 874

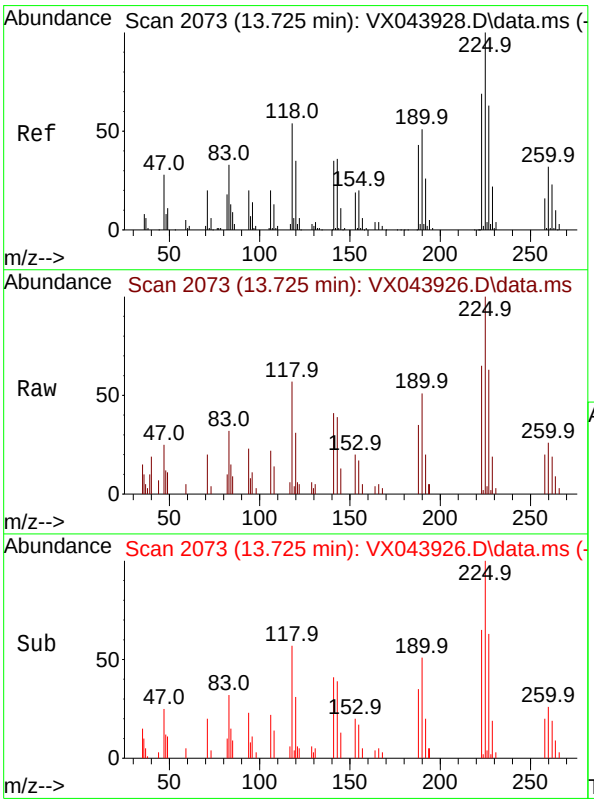
Ion	Ratio	Lower	Upper
180	100		
182	96.9	48.0	144.2
145	30.0	16.8	50.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

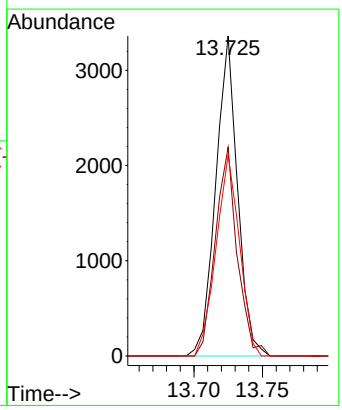


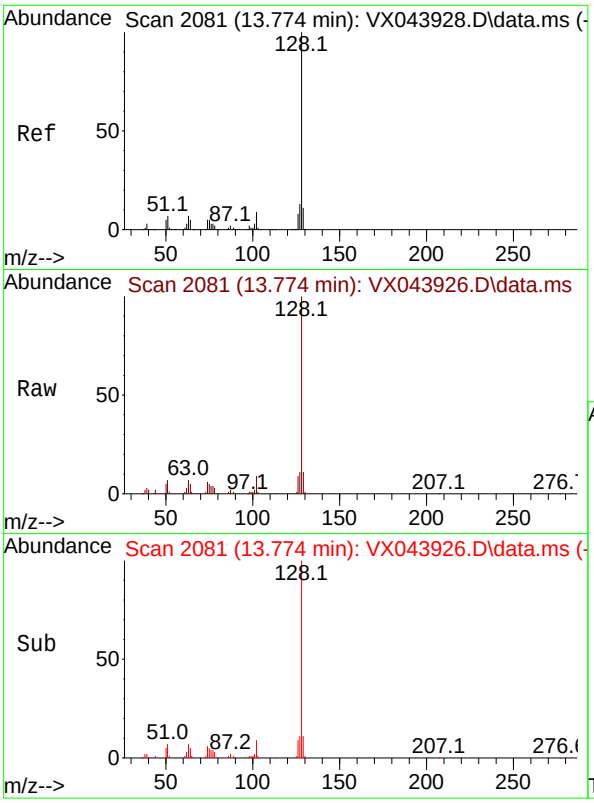


#94
Hexachlorobutadiene
Concen: 4.891 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:225 Resp: 3713

Ion	Ratio	Lower	Upper
225	100		
223	65.4	32.9	98.6
227	67.5	31.6	94.8

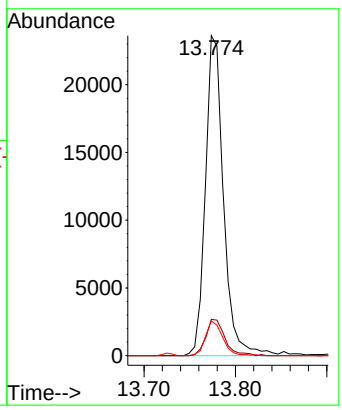




#95
Naphthalene
Concen: 4.698 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:128 Resp: 3248

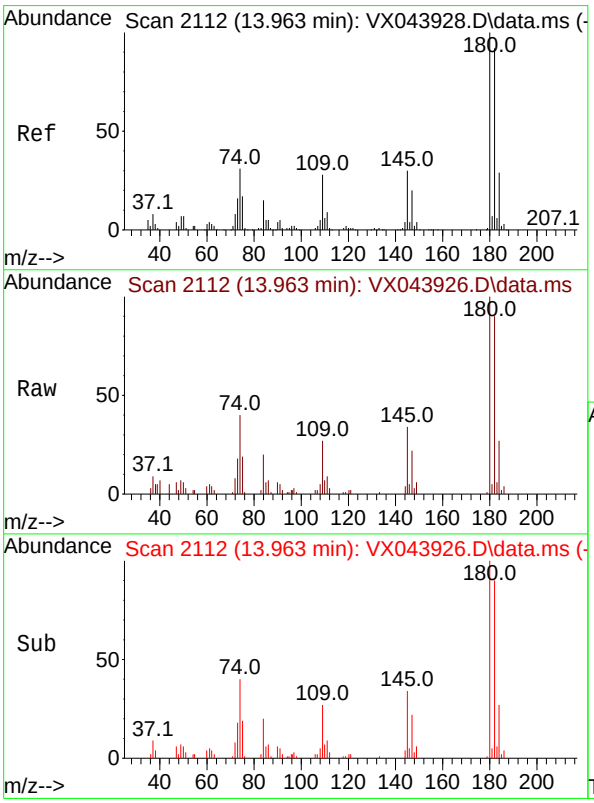
Ion	Ratio	Lower	Upper
128	100		
127	12.0	10.2	15.2
129	10.4	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

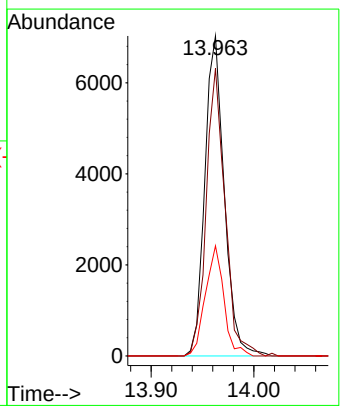
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#96
1,2,3-Trichlorobenzene
Concen: 4.773 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	45.6	136.8
145	32.7	16.4	49.4



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

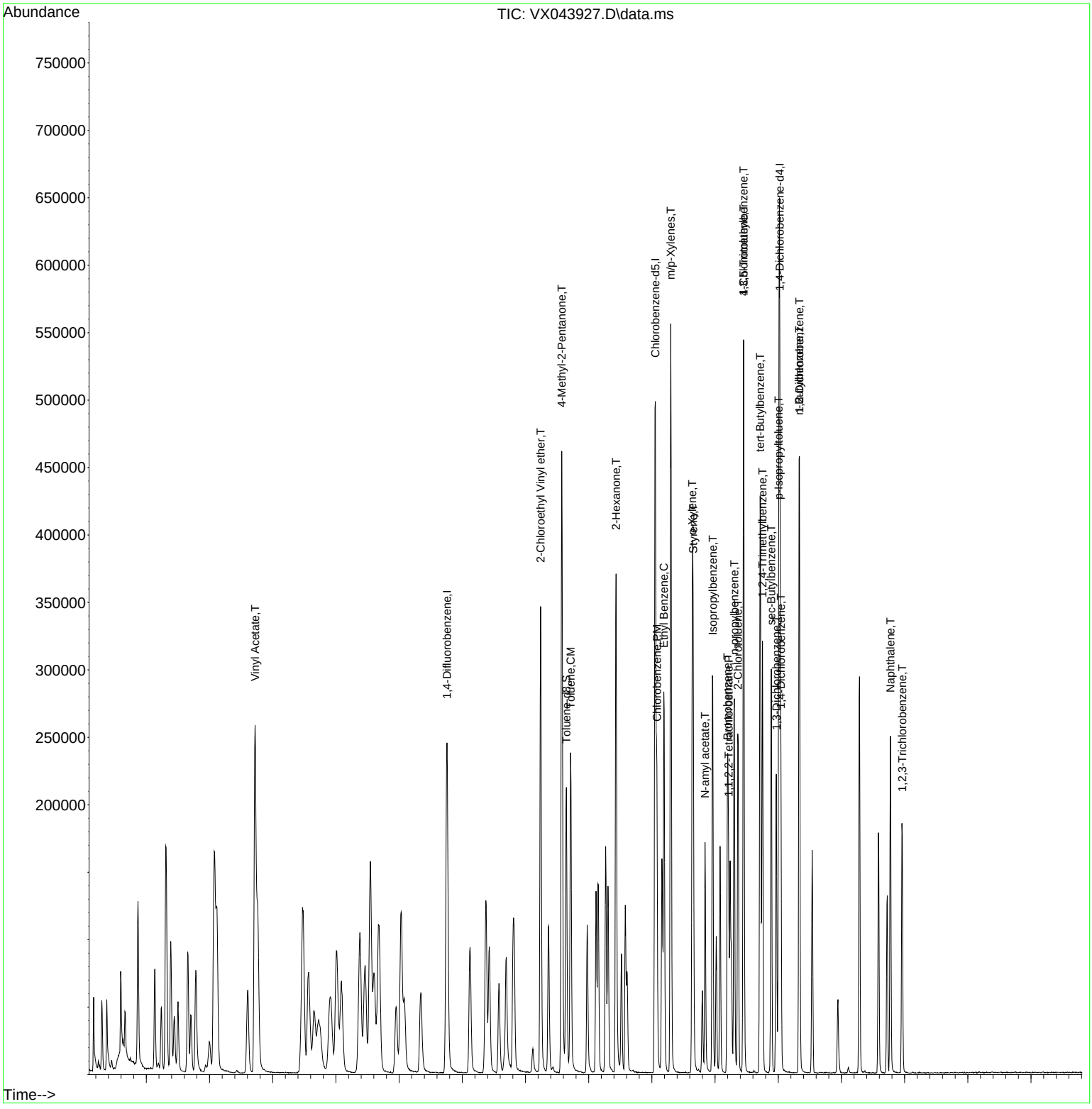
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043927.D
Acq On : 21 Nov 2024 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

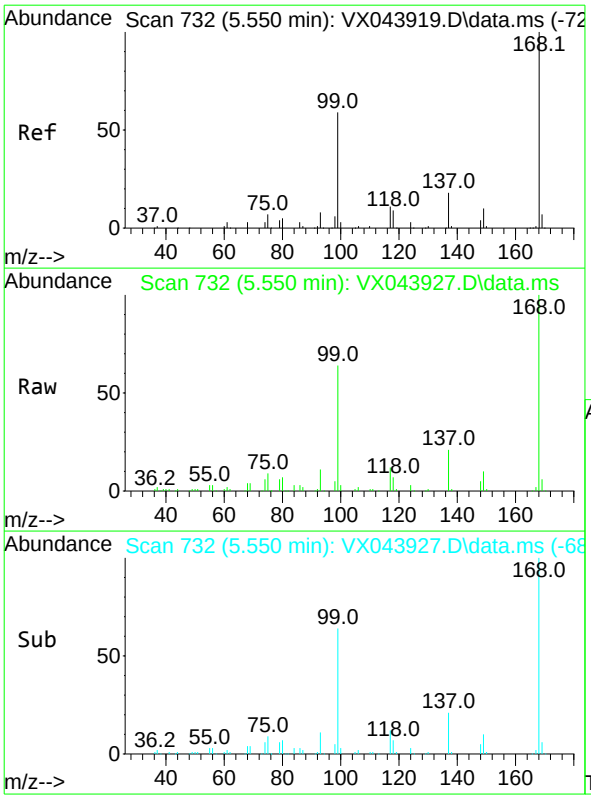
Quant Time: Nov 21 11:27:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 11:25:29 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

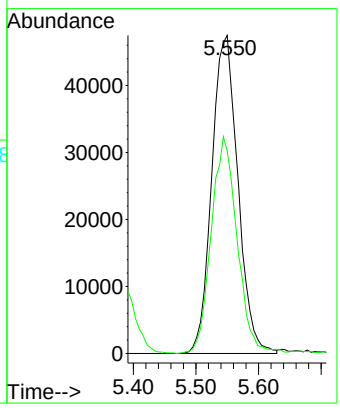




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:168 Resp: 137617

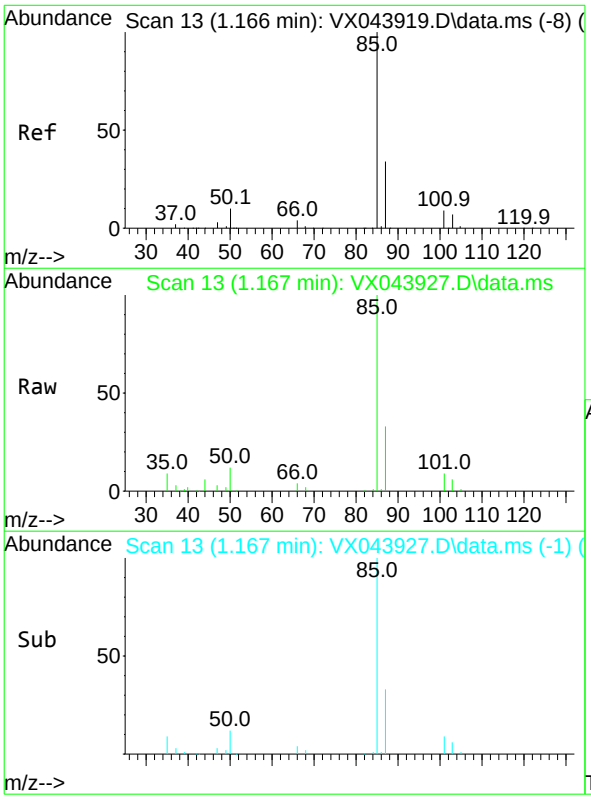
Ion	Ratio	Lower	Upper
168	100		
99	63.7	46.9	70.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

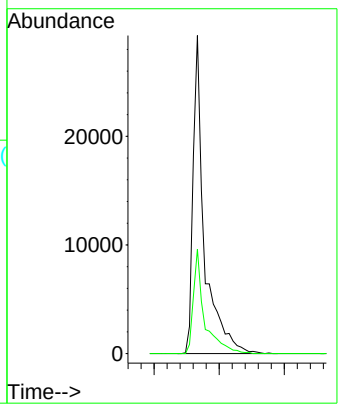
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

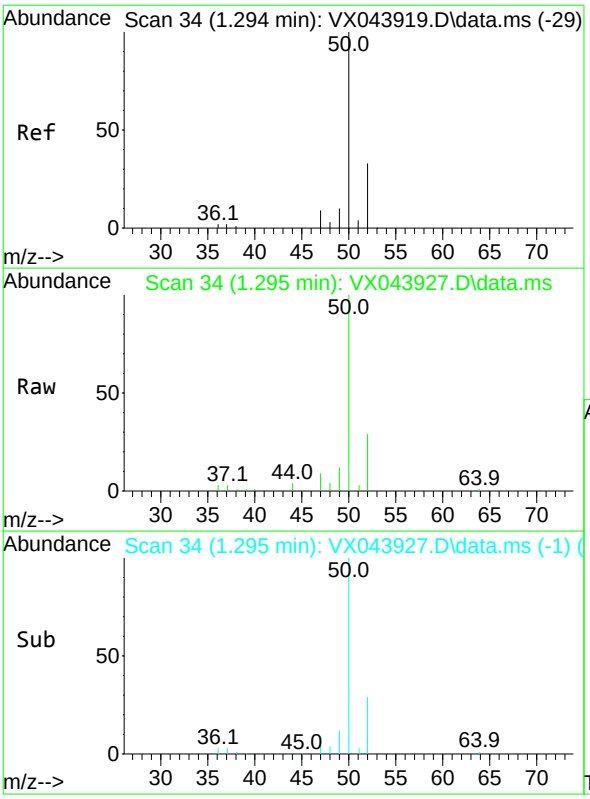


#2
Dichlorodifluoromethane
Concen: 25.327 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 85 Resp: 35268

Ion	Ratio	Lower	Upper
85	100		
87	32.8	17.1	51.2

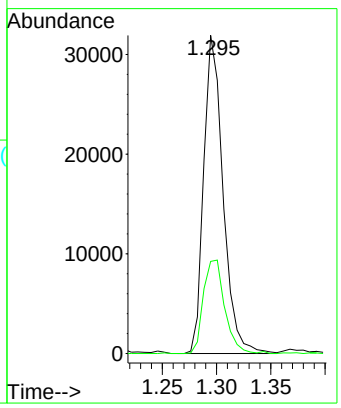




#3
Chloromethane
Concen: 22.767 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 50 Resp: 39622

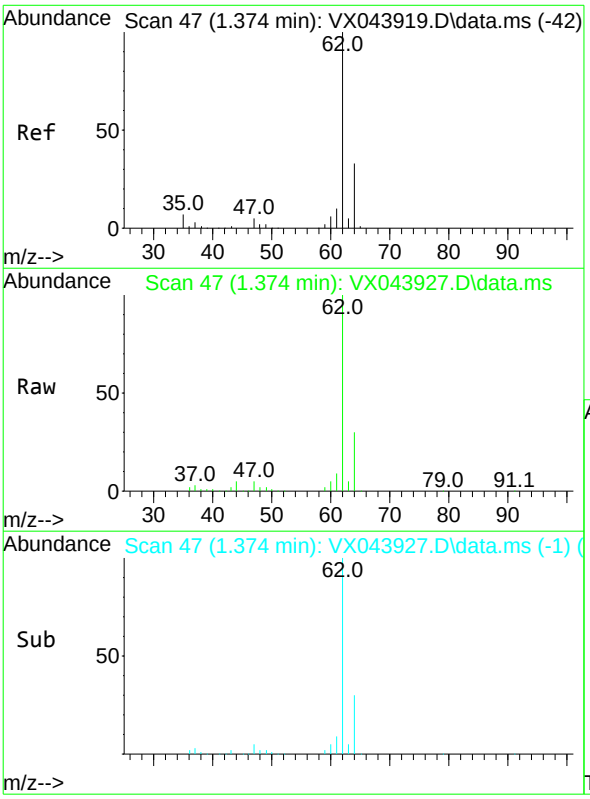
Ion	Ratio	Lower	Upper
50	100		
52	28.9	26.2	39.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

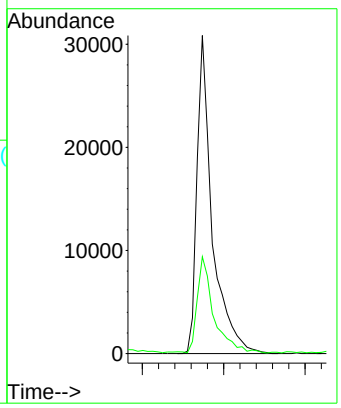
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

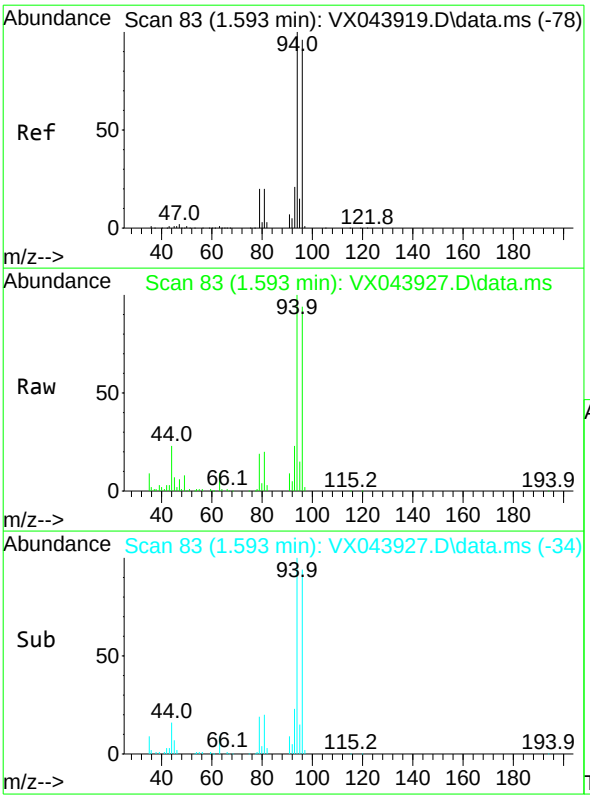


#4
Vinyl Chloride
Concen: 22.975 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 62 Resp: 40173

Ion	Ratio	Lower	Upper
62	100		
64	30.0	26.1	39.1

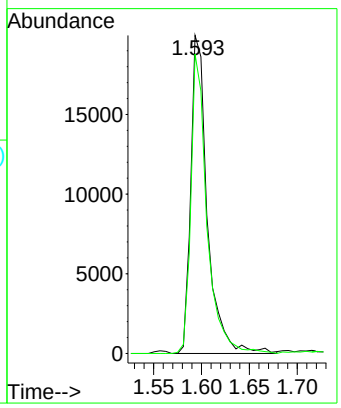




#5
Bromomethane
Concen: 30.357 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 94 Resp: 24112

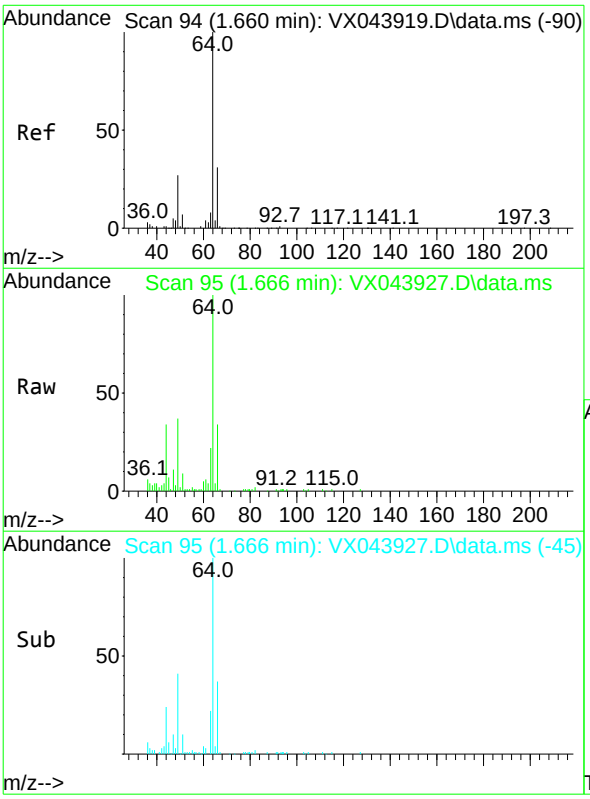
Ion	Ratio	Lower	Upper
94	100		
96	94.1	76.5	114.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

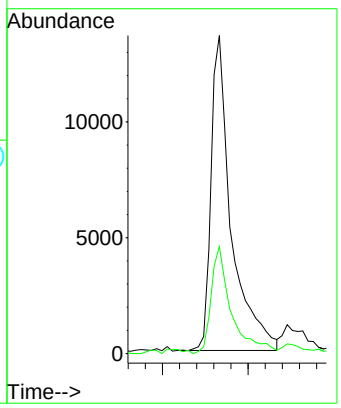
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

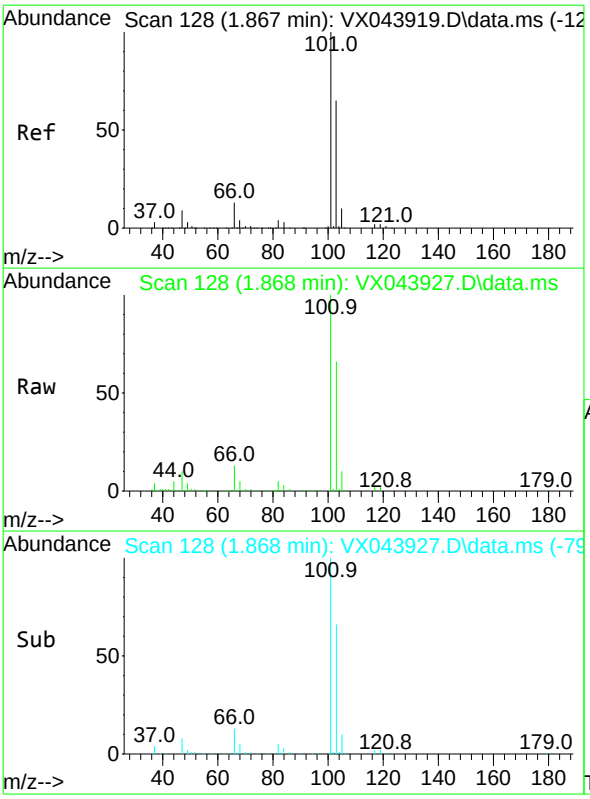


#6
Chloroethane
Concen: 26.595 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 64 Resp: 22213

Ion	Ratio	Lower	Upper
64	100		
66	32.9	24.9	37.3

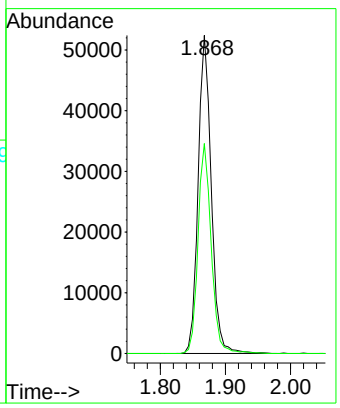




#7
Trichlorofluoromethane
Concen: 29.469 ug/l
RT: 1.868 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:101 Resp: 73464

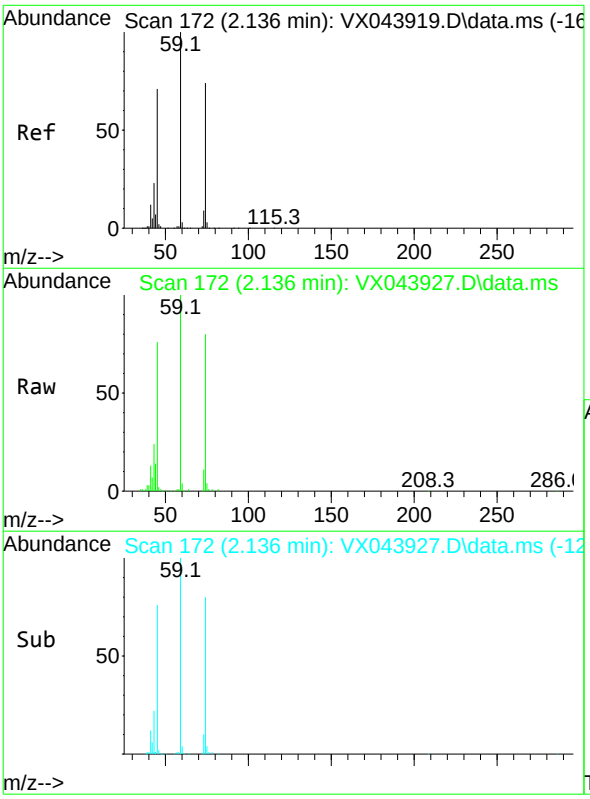
Ion	Ratio	Lower	Upper
101	100		
103	66.0	52.2	78.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

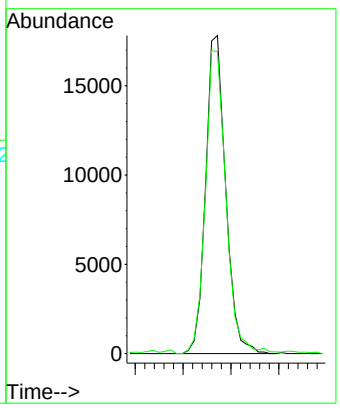
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

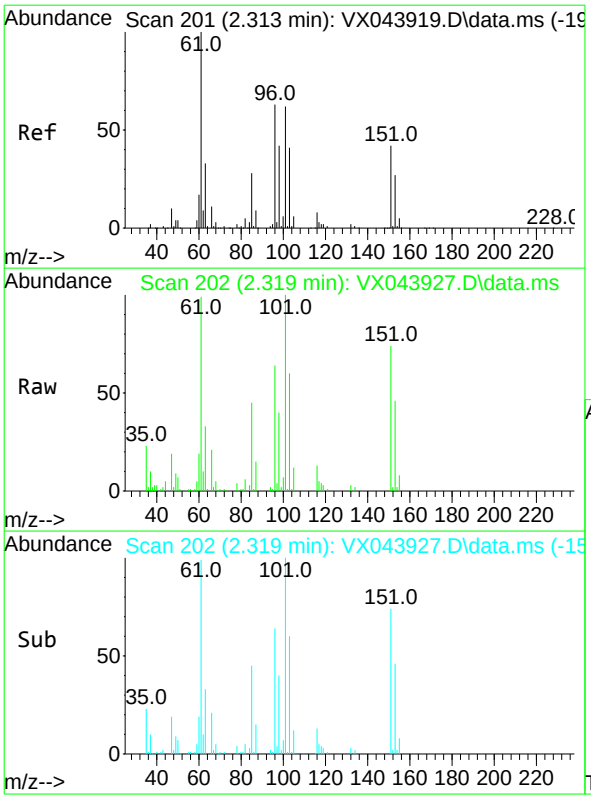


#8
Diethyl Ether
Concen: 27.531 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

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

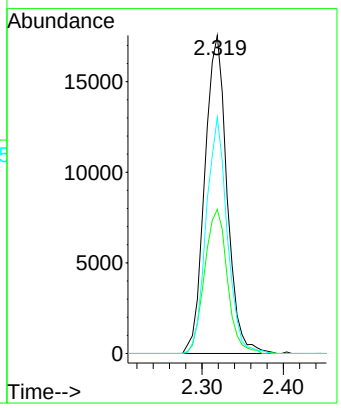
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

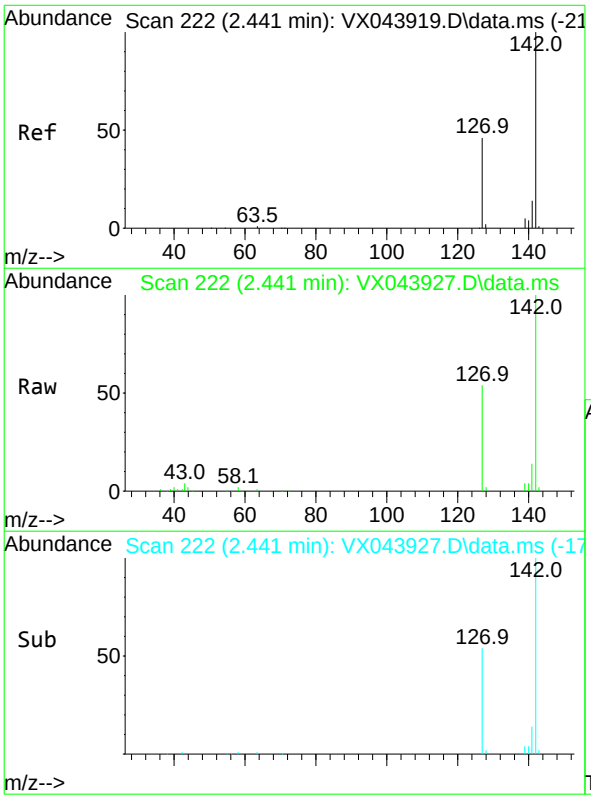
Tgt Ion:101 Resp: 33284

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

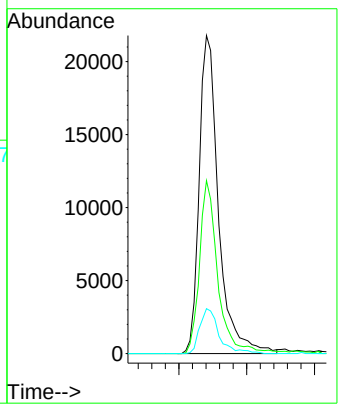


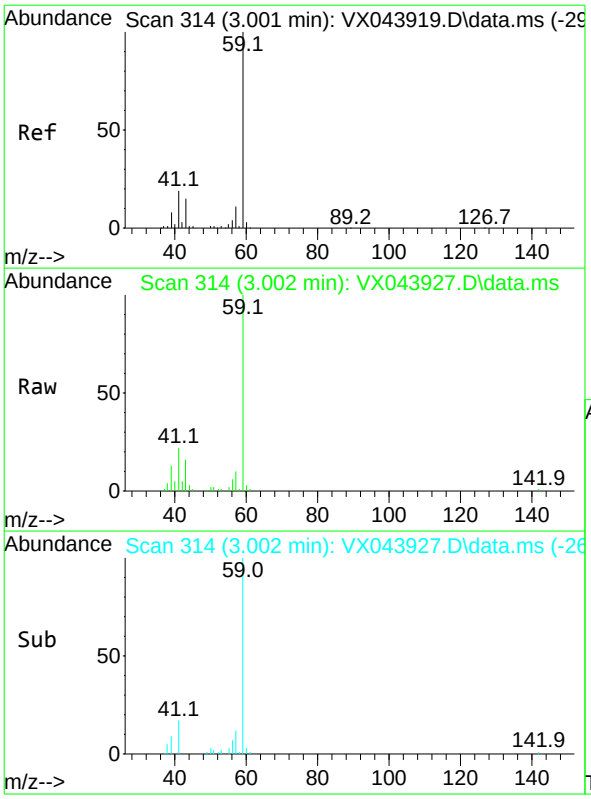


#10
Methyl Iodide
Concen: 20.733 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

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

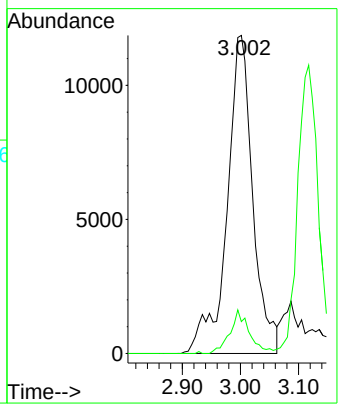




#11
Tert butyl alcohol
Concen: 108.748 ug/l
RT: 3.002 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 59 Resp: 36554

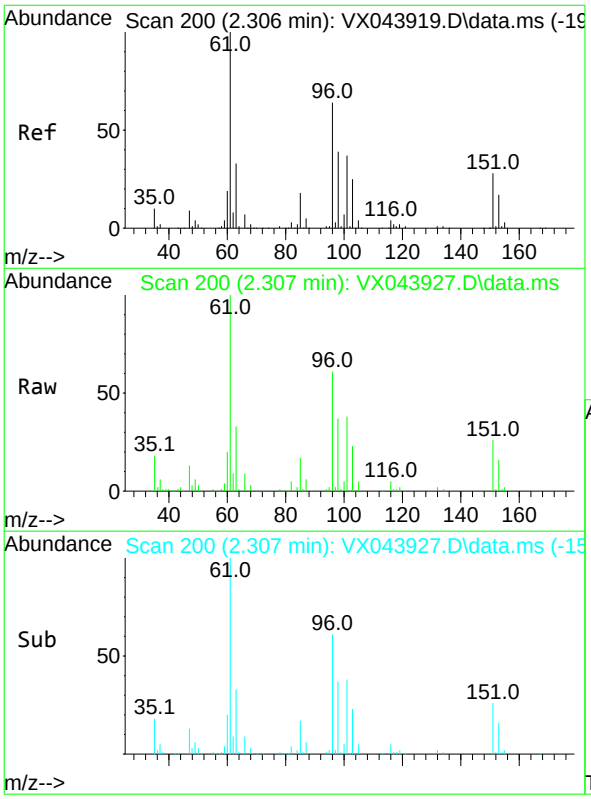
Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

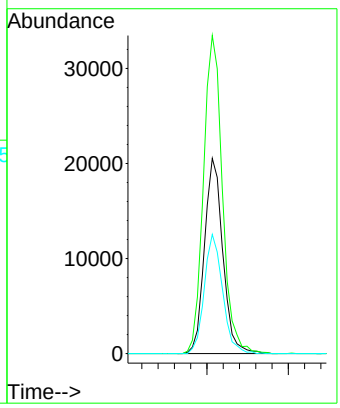
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

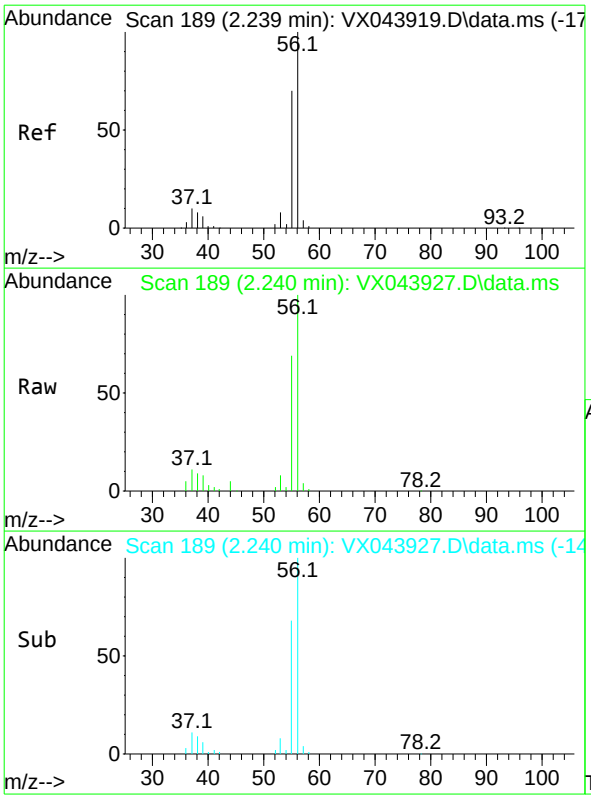


#12
1,1-Dichloroethene
Concen: 22.474 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

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

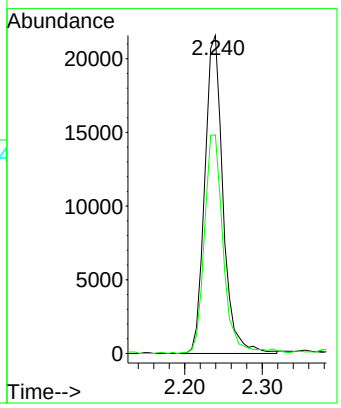




#13
Acrolein
Concen: 93.505 ug/l
RT: 2.240 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 56 Resp: 35249

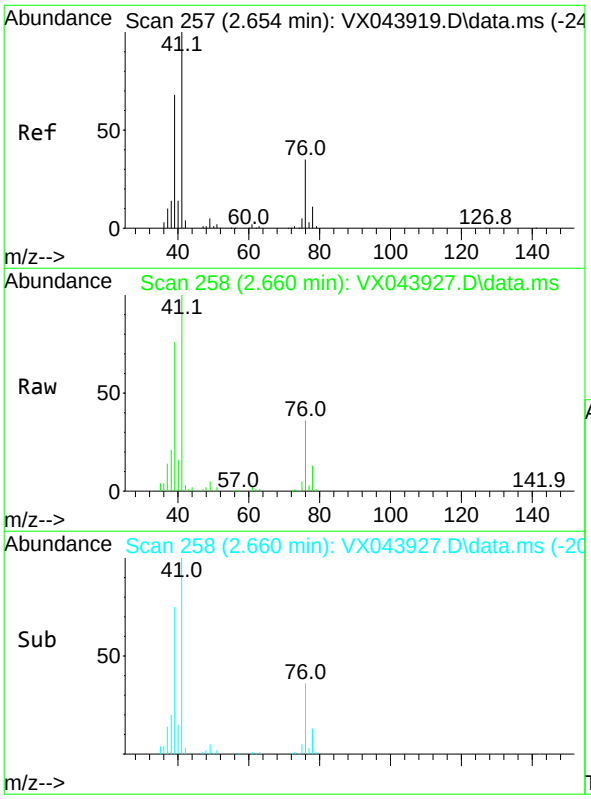
Ion	Ratio	Lower	Upper
56	100		
55	71.2	56.1	84.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

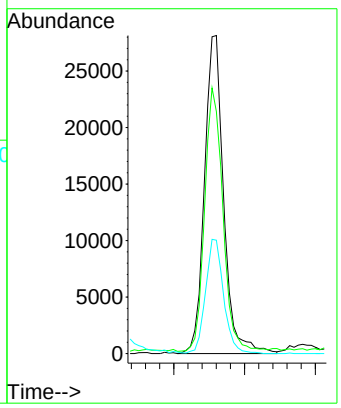
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

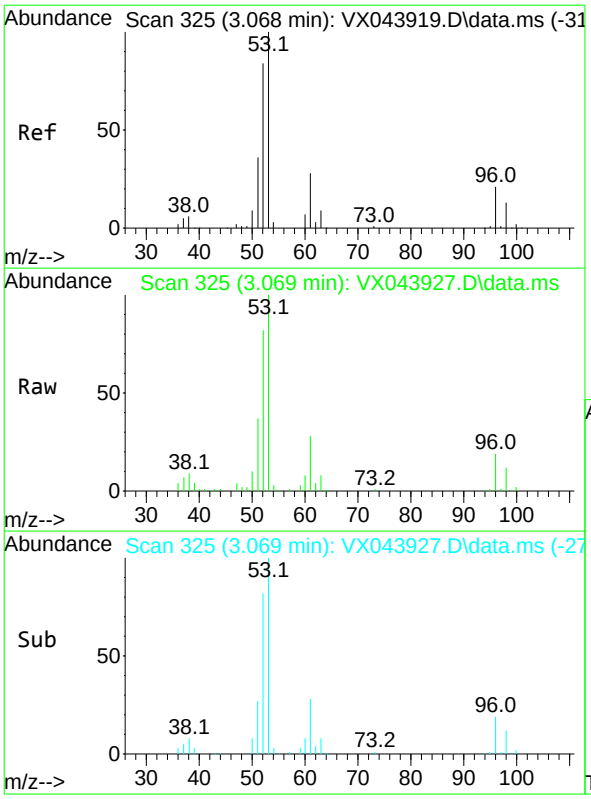


#14
Allyl chloride
Concen: 22.853 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

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

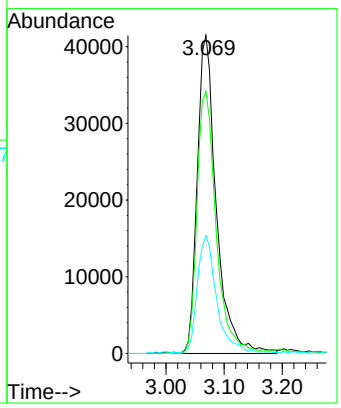




#15
Acrylonitrile
Concen: 109.118 ug/l
RT: 3.069 min Scan# 32
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 53 Resp: 94417

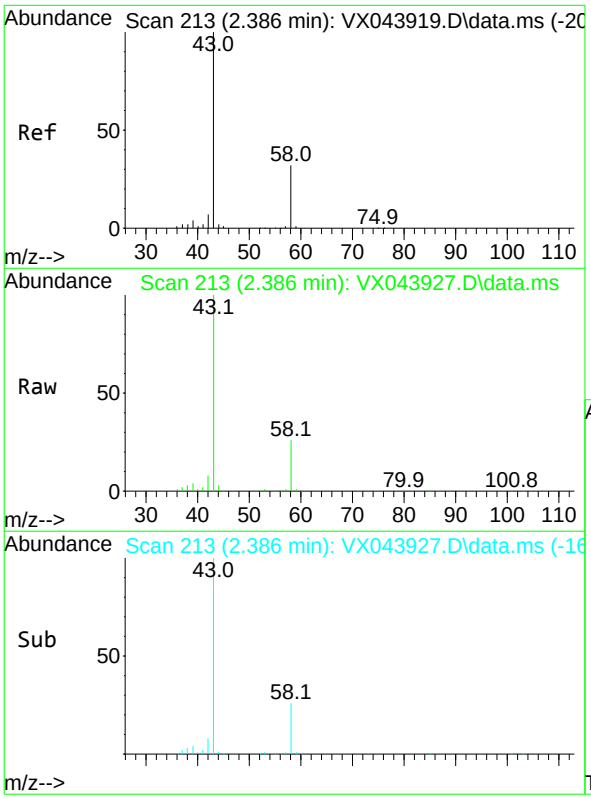
Ion	Ratio	Lower	Upper
53	100		
52	83.1	65.8	98.8
51	37.1	28.6	42.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

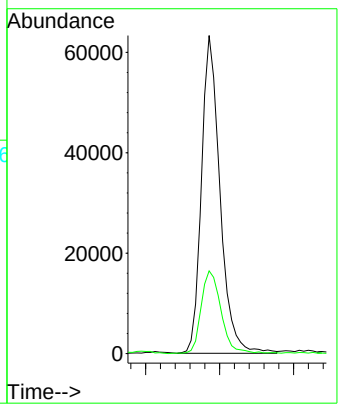
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

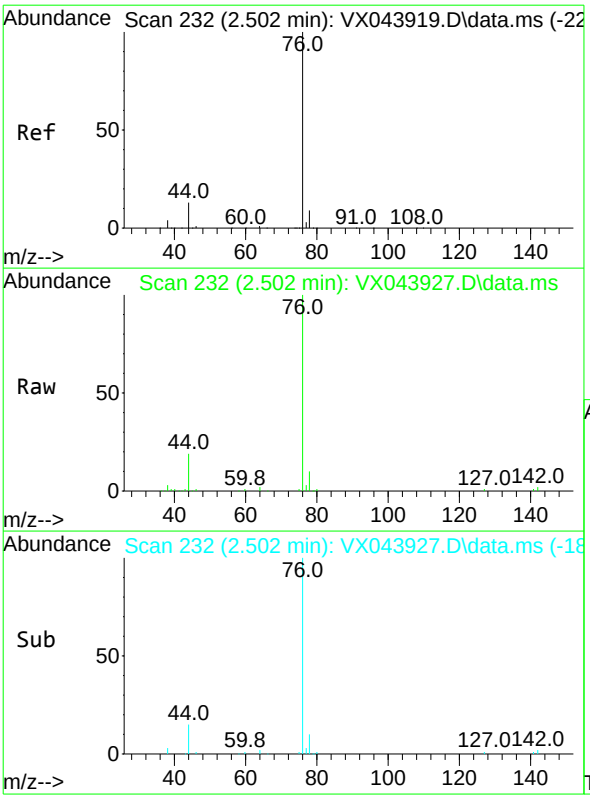


#16
Acetone
Concen: 130.004 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 43 Resp: 110373

Ion	Ratio	Lower	Upper
43	100		
58	25.9	25.8	38.6

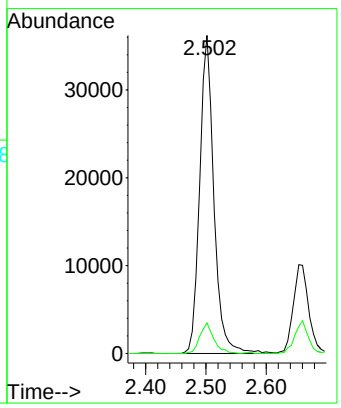




#17
Carbon Disulfide
Concen: 18.983 ug/l
RT: 2.502 min Scan# 23
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 76 Resp: 59349

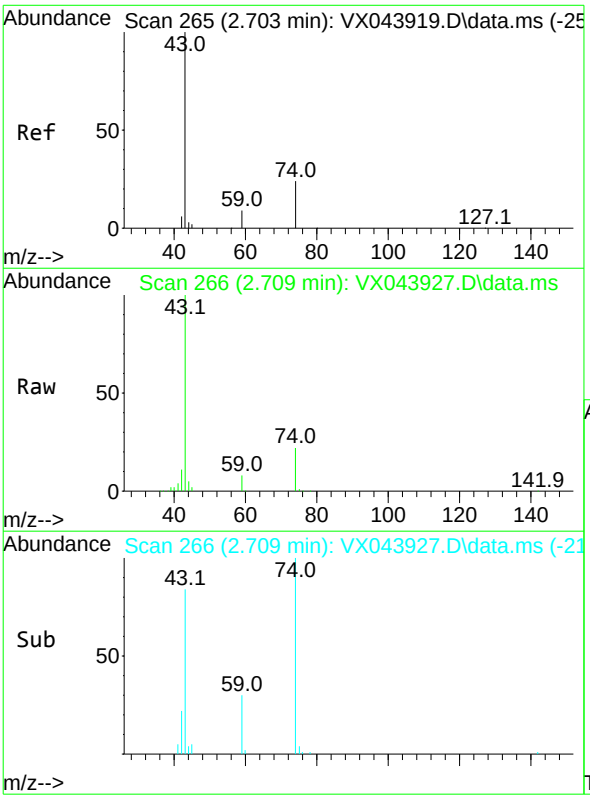
Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.3	10.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

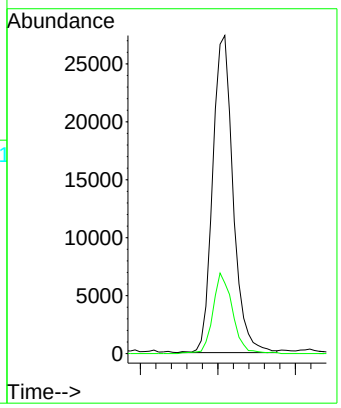
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

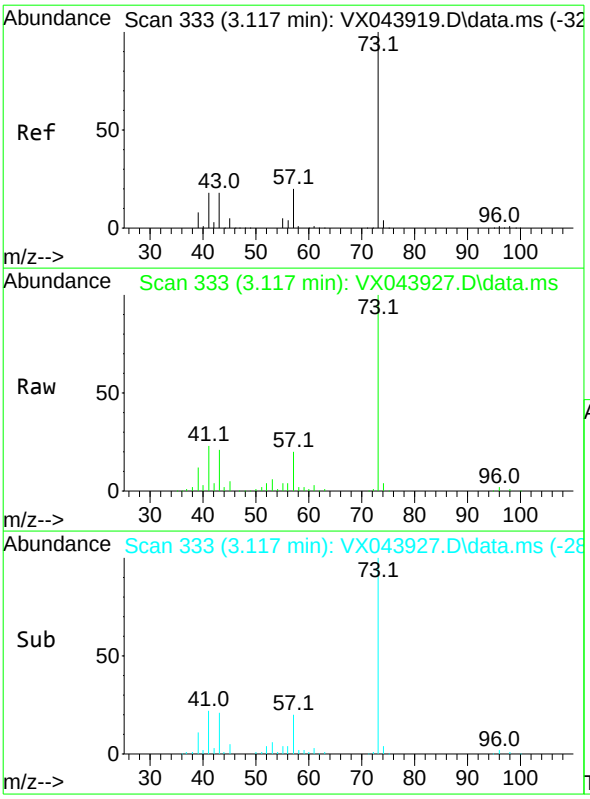


#18
Methyl Acetate
Concen: 21.564 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

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

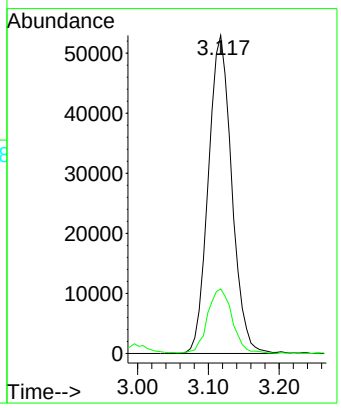
Tgt Ion: 73 Resp: 121776

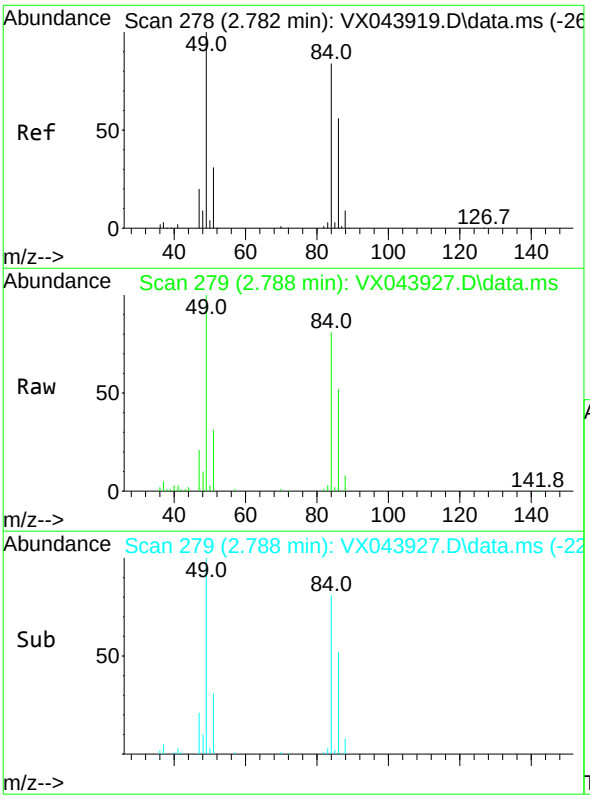
Ion	Ratio	Lower	Upper
73	100		
57	20.3	16.4	24.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

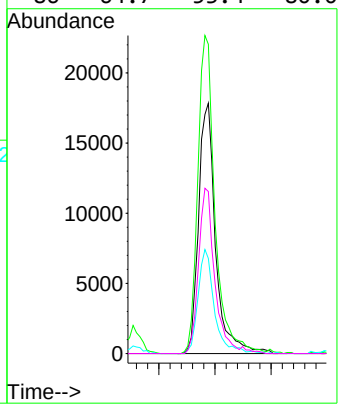


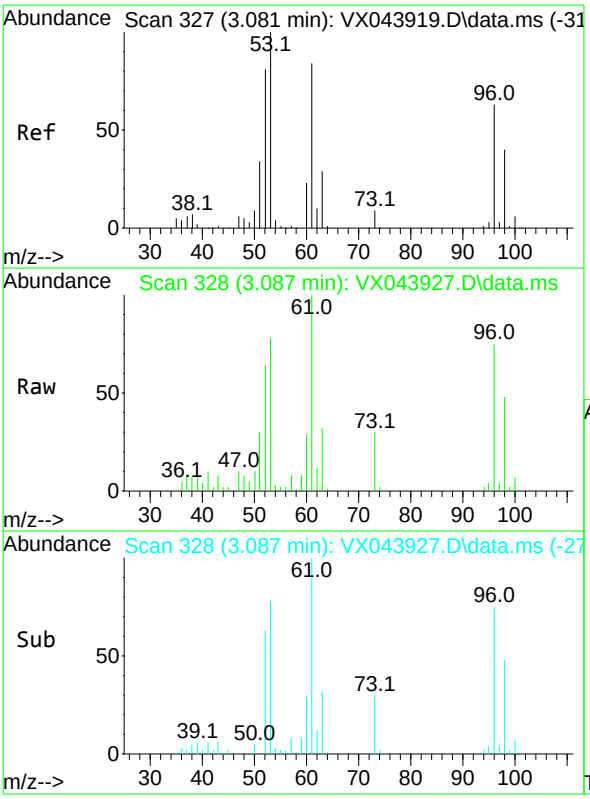


#20
Methylene Chloride
Concen: 21.177 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

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

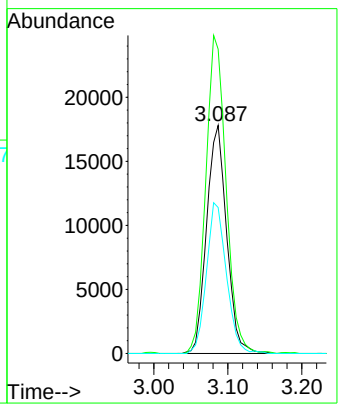




#21
trans-1,2-Dichloroethene
Concen: 21.489 ug/l
RT: 3.087 min Scan# 32
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 96 Resp: 33545

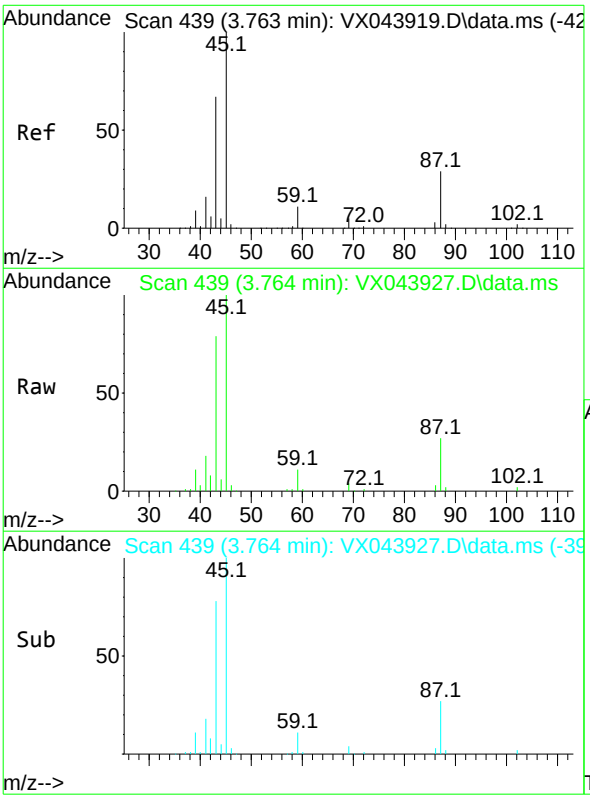
Ion	Ratio	Lower	Upper
96	100		
61	133.4	106.4	159.6
98	64.0	50.9	76.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

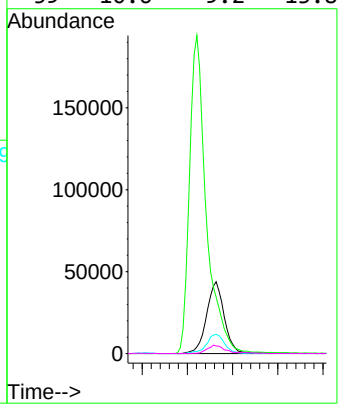
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

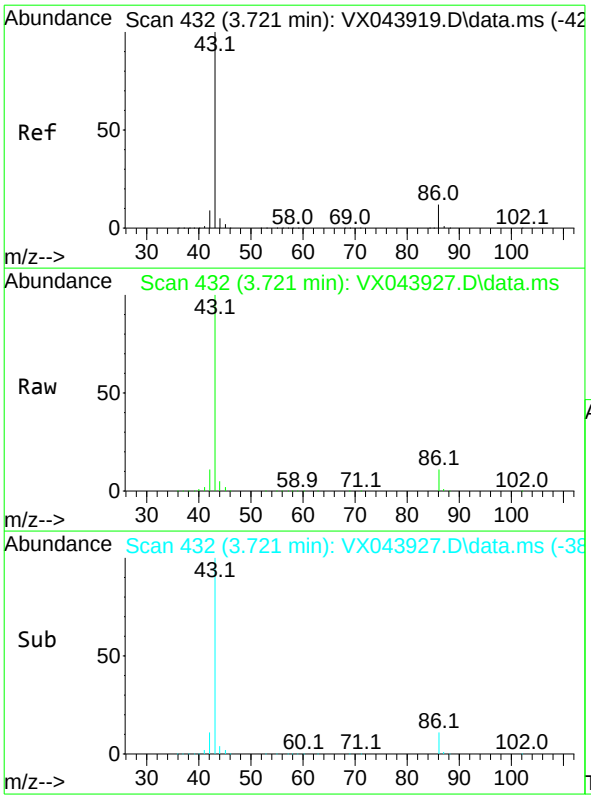


#22
Diisopropyl ether
Concen: 23.557 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

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

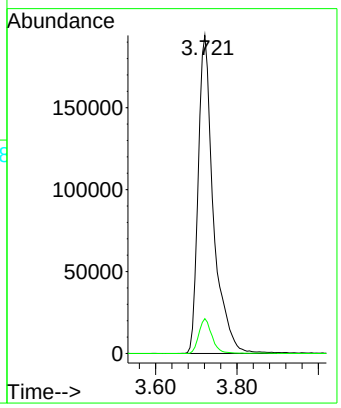




#23
Vinyl Acetate
Concen: 122.699 ug/l
RT: 3.721 min Scan# 43
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 43 Resp: 504408

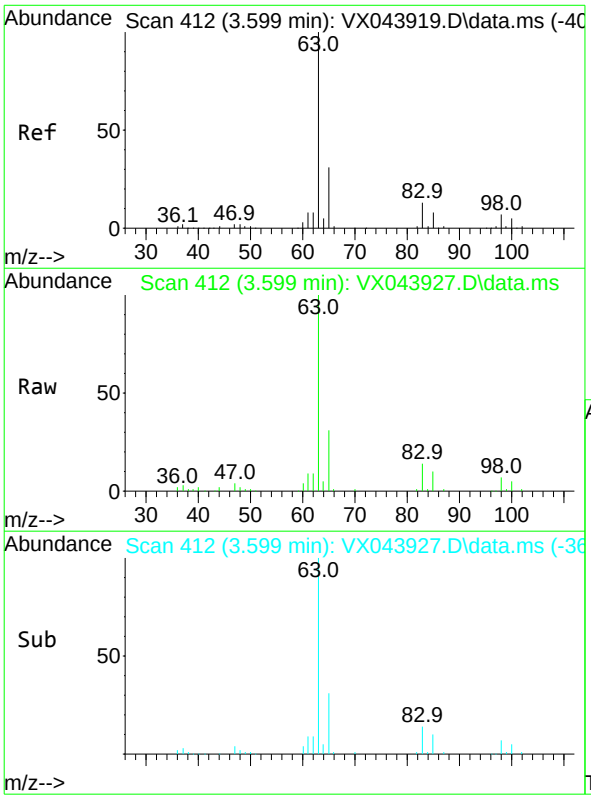
Ion	Ratio	Lower	Upper
43	100		
86	11.0	9.4	14.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

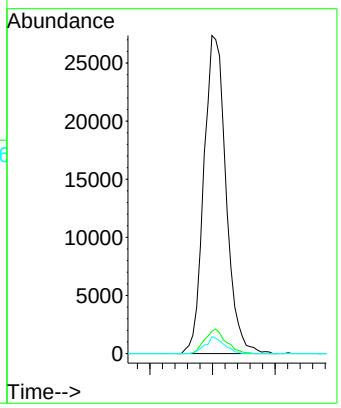
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

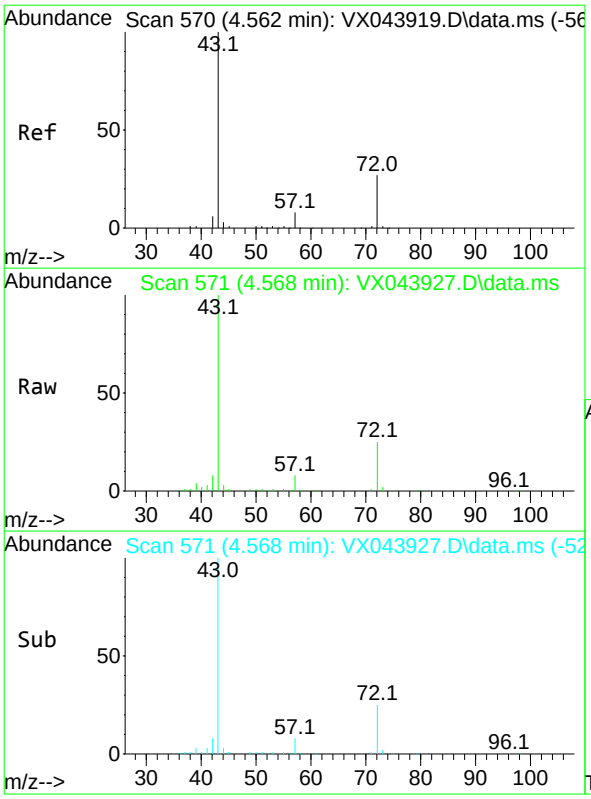


#24
1,1-Dichloroethane
Concen: 22.540 ug/l
RT: 3.599 min Scan# 412
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

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

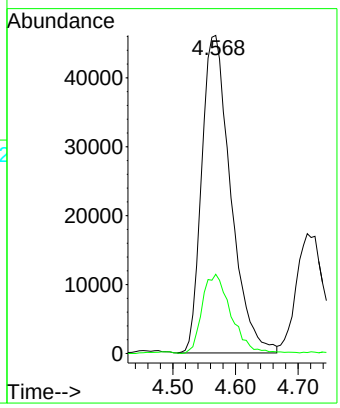




#25
2-Butanone
Concen: 124.741 ug/l
RT: 4.568 min Scan# 57
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 43 Resp: 148152

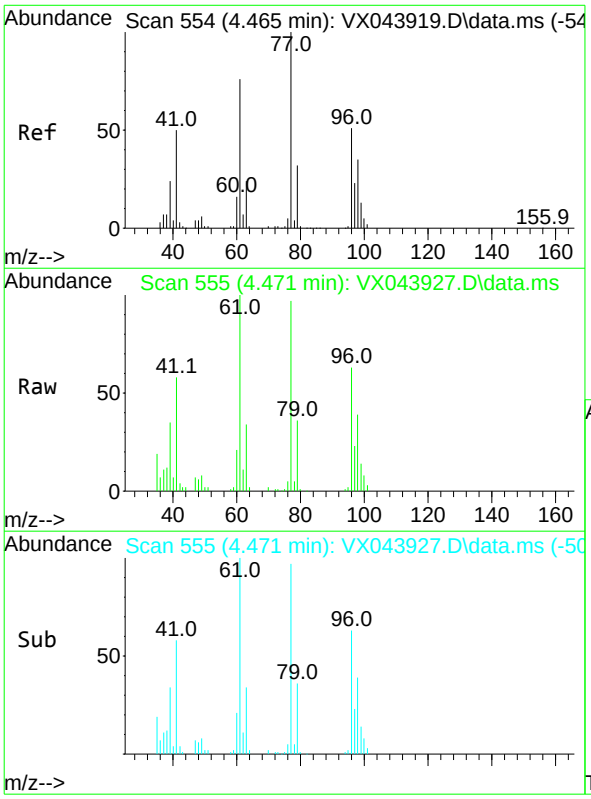
Ion	Ratio	Lower	Upper
43	100		
72	24.8	21.3	31.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

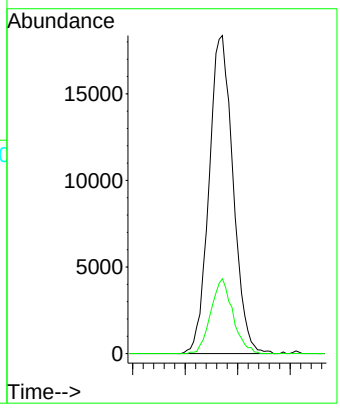
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

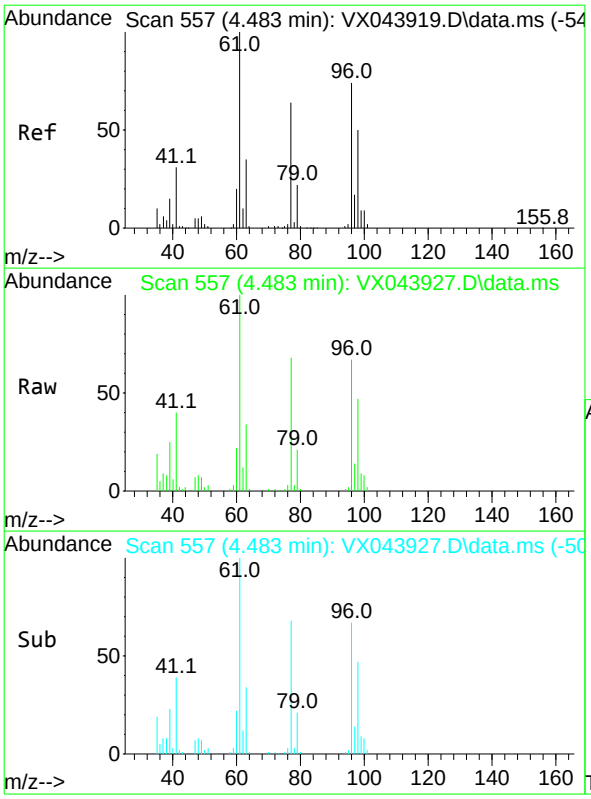


#26
2,2-Dichloropropane
Concen: 23.843 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 77 Resp: 58444

Ion	Ratio	Lower	Upper
77	100		
97	21.5	11.7	35.1

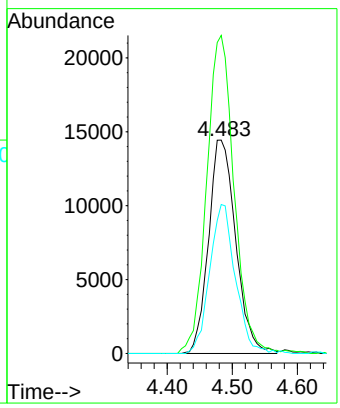




#27
cis-1,2-Dichloroethene
Concen: 21.551 ug/l
RT: 4.483 min Scan# 55
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 96 Resp: 41866

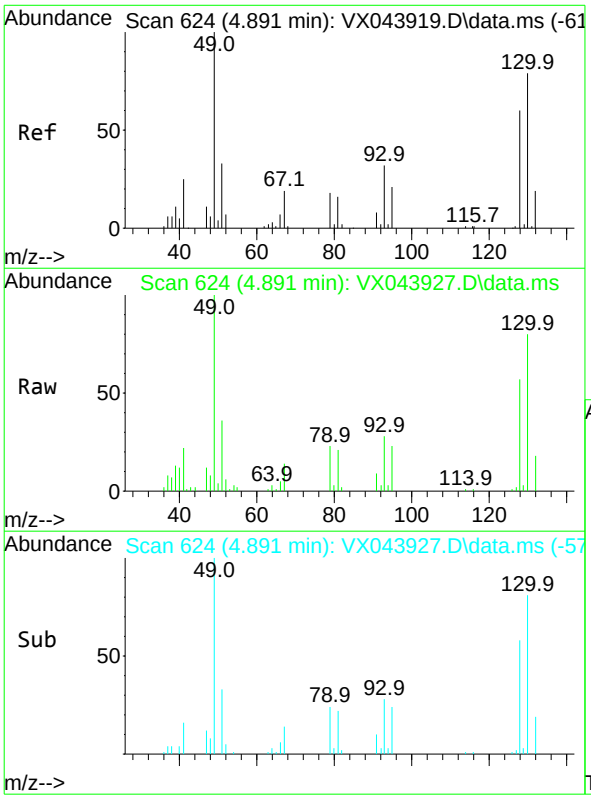
Ion	Ratio	Lower	Upper
96	100		
61	149.9	0.0	279.4
98	66.3	0.0	131.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

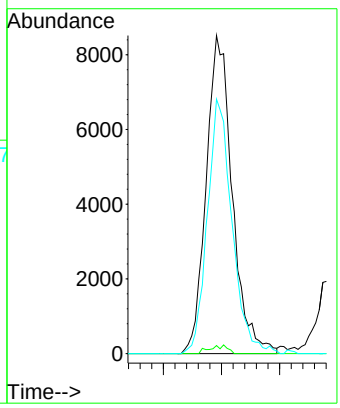
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

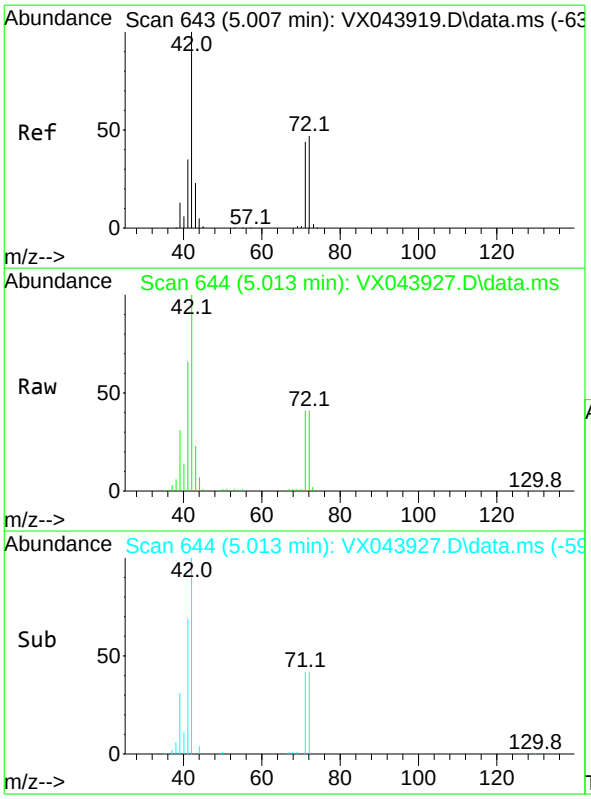


#28
Bromochloromethane
Concen: 21.119 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

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

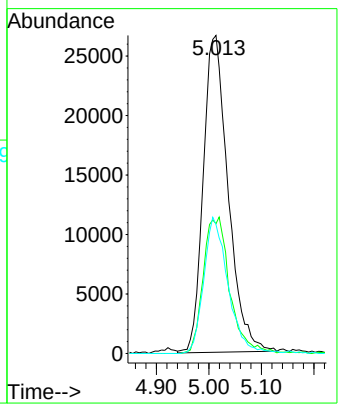




#29
Tetrahydrofuran
Concen: 114.321 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 42 Resp: 87736

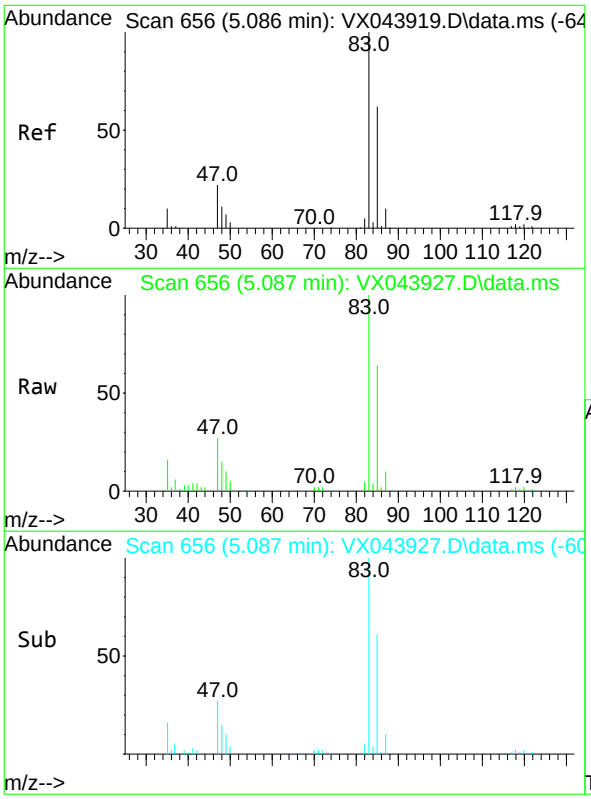
Ion	Ratio	Lower	Upper
42	100		
72	45.8	37.9	56.9
71	42.0	34.8	52.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

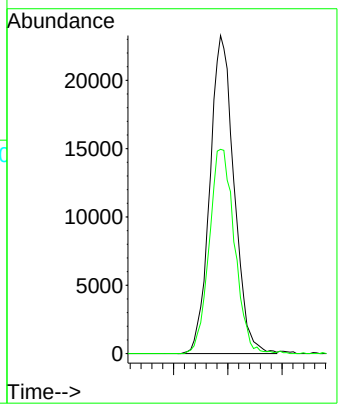
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

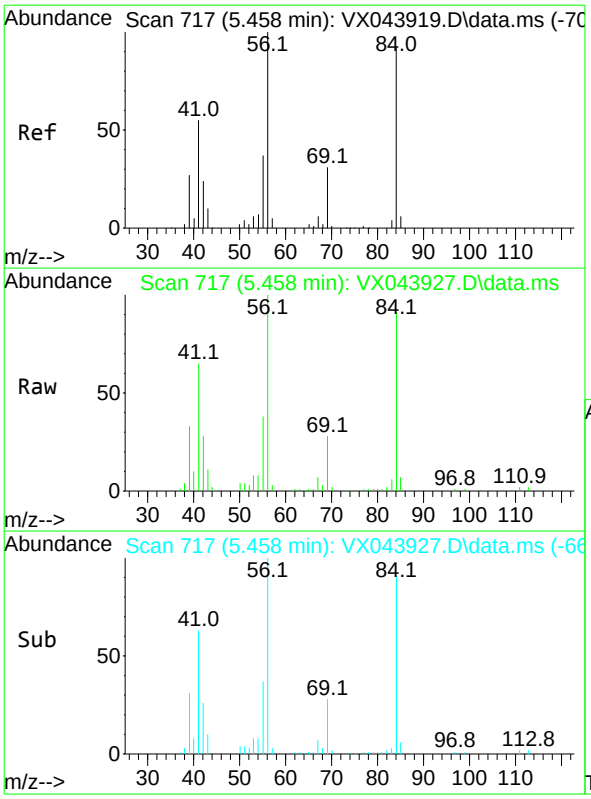


#30
Chloroform
Concen: 23.172 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

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

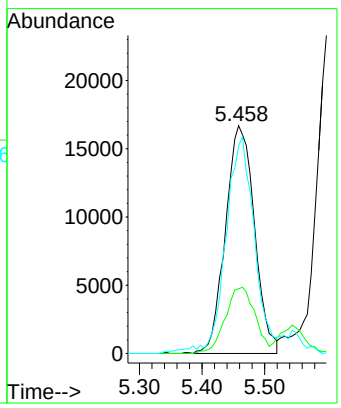
Tgt Ion: 56 Resp: 53731

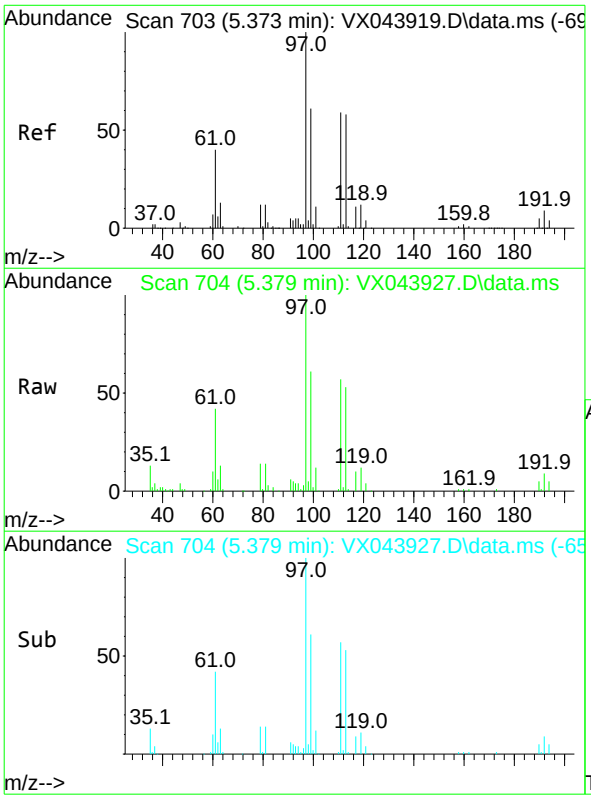
Ion	Ratio	Lower	Upper
56	100		
69	28.4	24.9	37.3
84	89.6	73.8	110.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

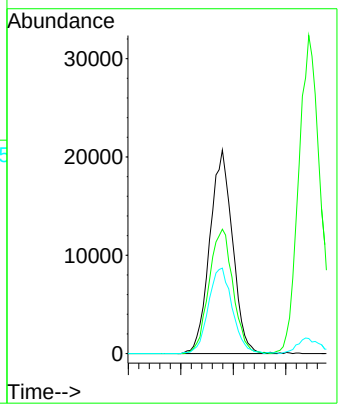


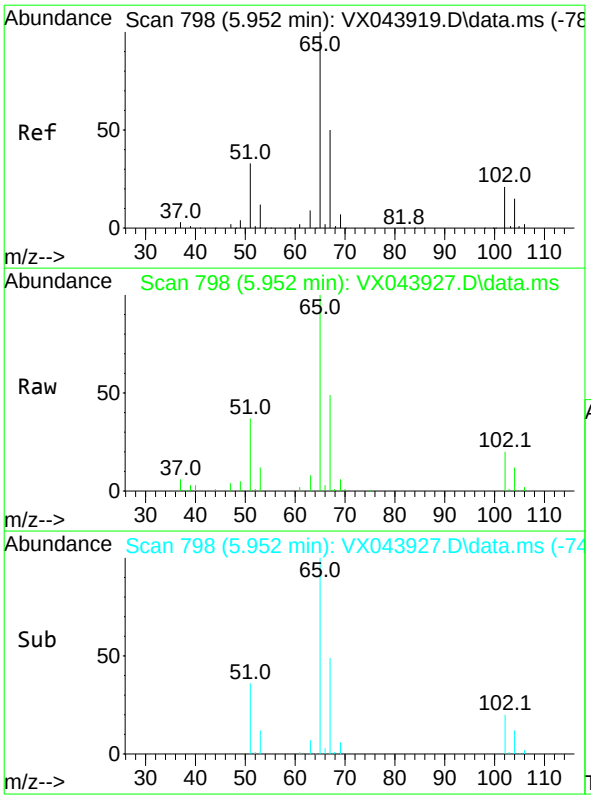


#32
1,1,1-Trichloroethane
Concen: 23.474 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

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

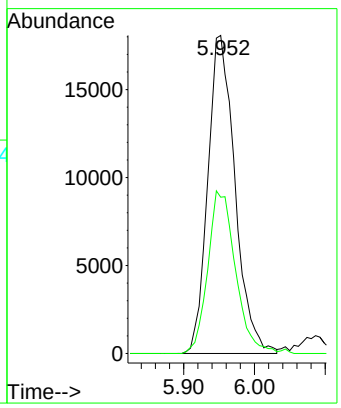




#33
1,2-Dichloroethane-d4
Concen: 22.821 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 65 Resp: 48239

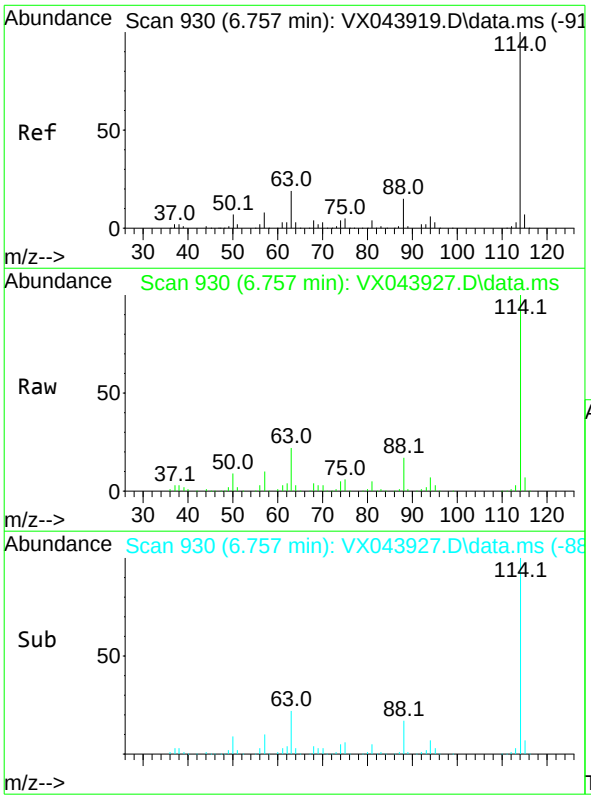
Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	103.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

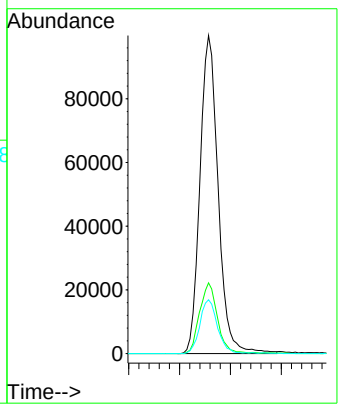
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

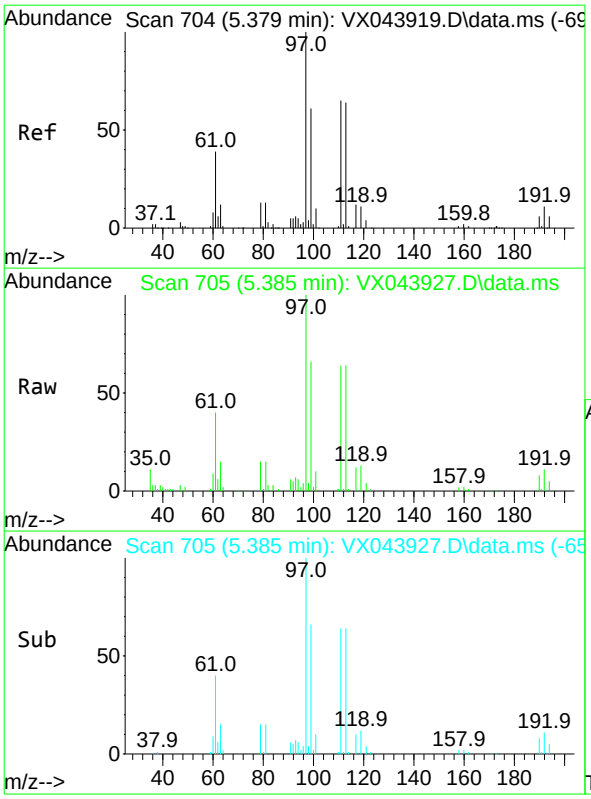


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

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

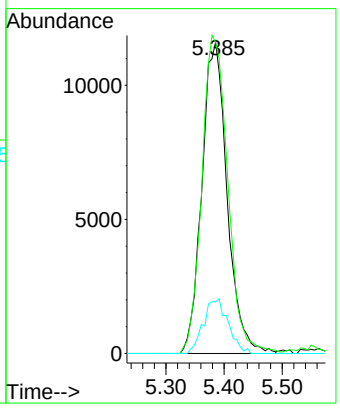




#35
Dibromofluoromethane
Concen: 21.040 ug/l
RT: 5.385 min Scan# 70
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:113 Resp: 35015

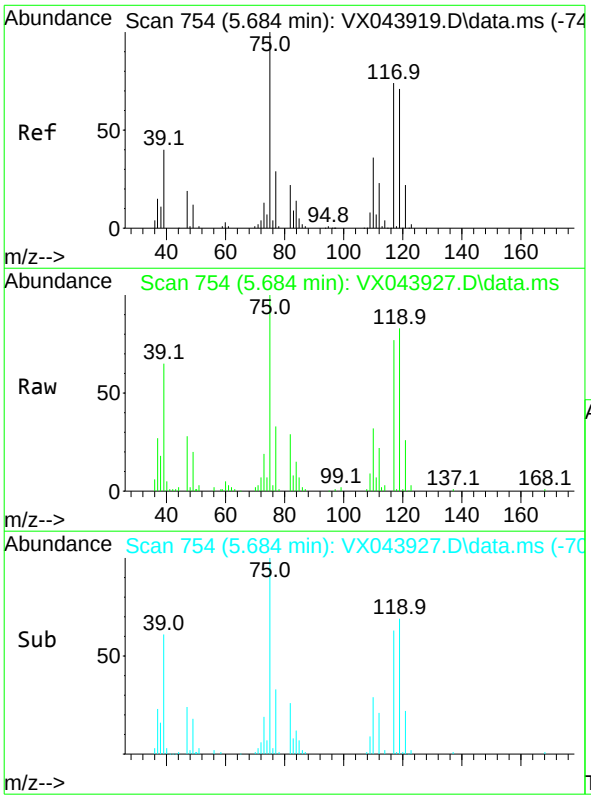
Ion	Ratio	Lower	Upper
113	100		
111	105.0	81.0	121.6
192	17.1	14.2	21.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

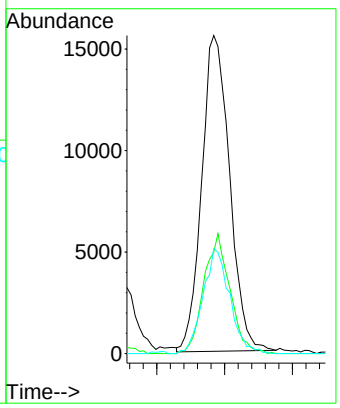
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

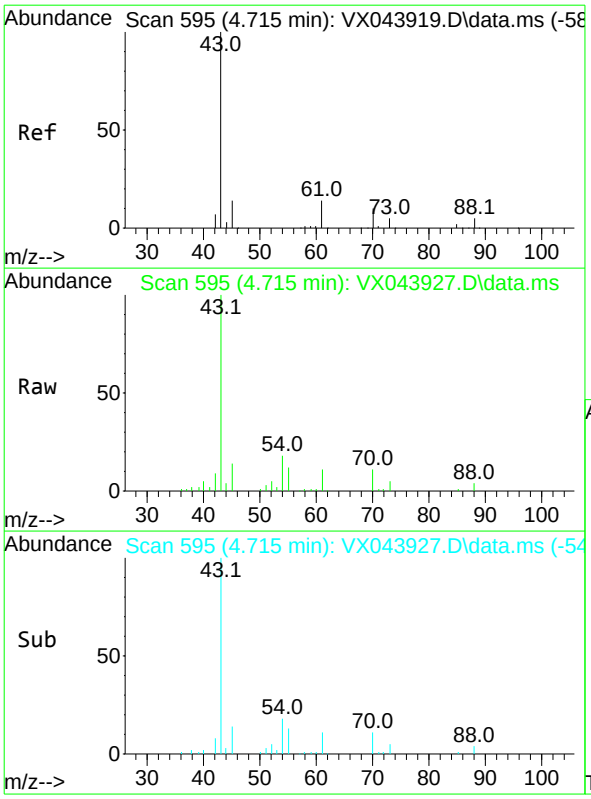


#36
1,1-Dichloropropene
Concen: 21.438 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

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

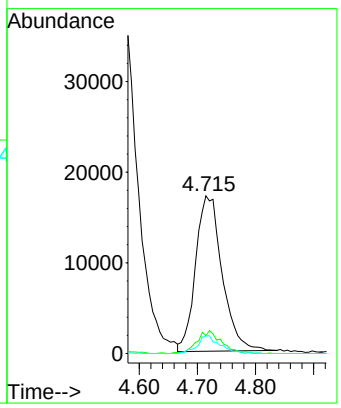
Tgt Ion: 43 Resp: 54426

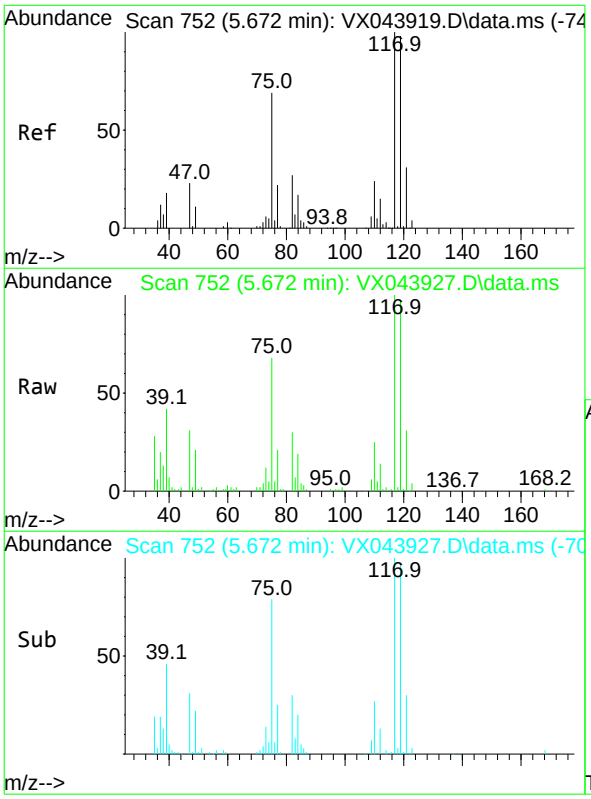
Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.5	17.3
70	9.5	8.7	13.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

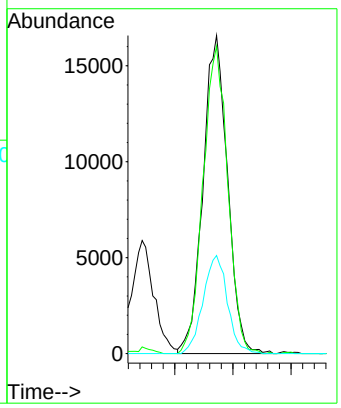


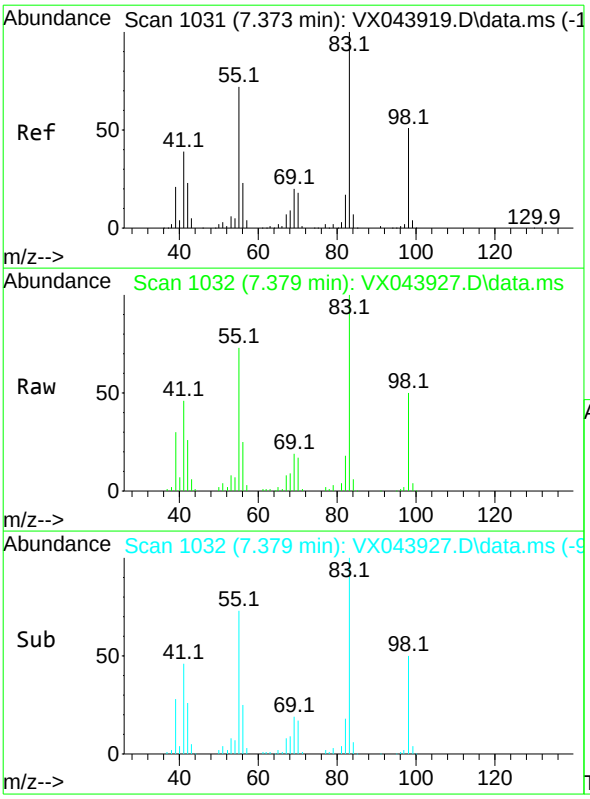


#38
Carbon Tetrachloride
Concen: 22.179 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

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

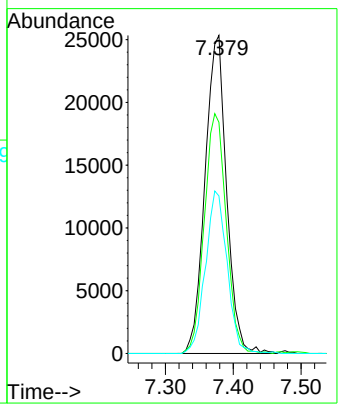




#39
Methylcyclohexane
Concen: 21.551 ug/l
RT: 7.379 min Scan# 10
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 83 Resp: 55958

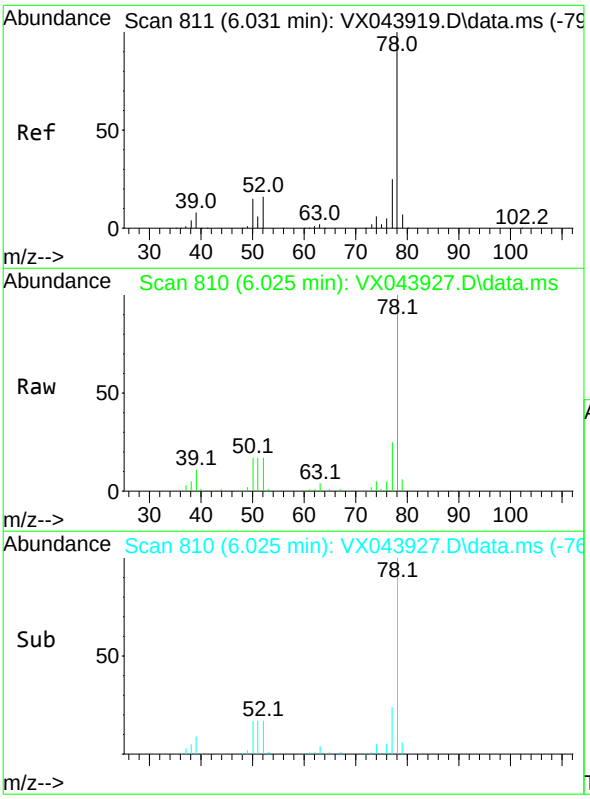
Ion	Ratio	Lower	Upper
83	100		
55	72.7	57.9	86.9
98	49.5	40.5	60.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

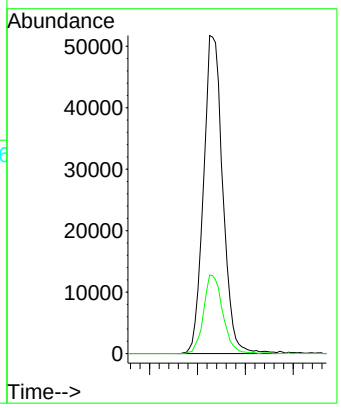
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

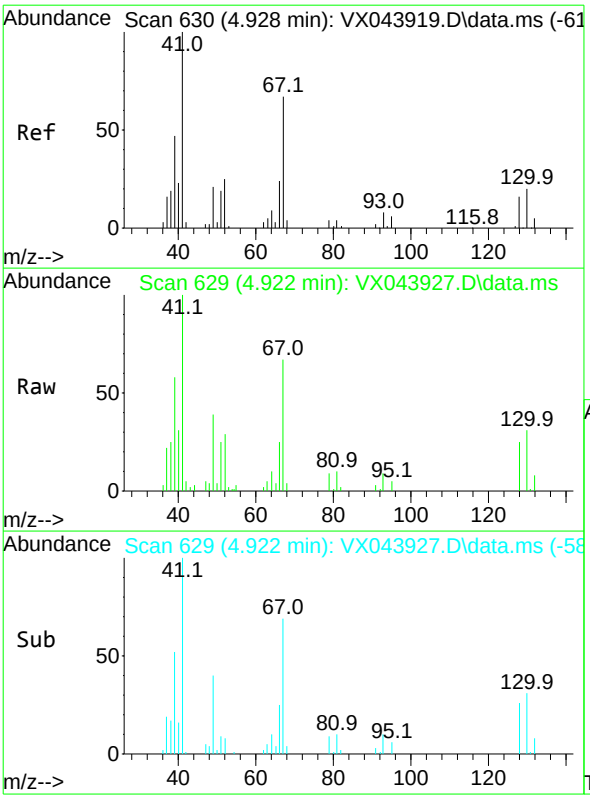


#40
Benzene
Concen: 22.144 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 78 Resp: 144401

Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.8	29.8

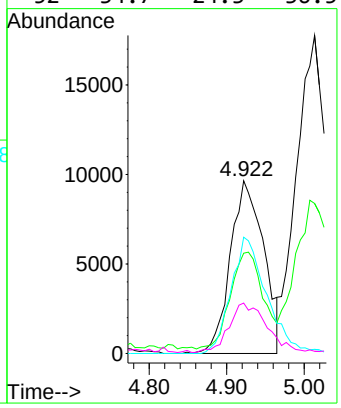




#41
Methacrylonitrile
Concen: 23.789 ug/l
RT: 4.922 min Scan# 62
Delta R.T. -0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 41 Resp: 28938

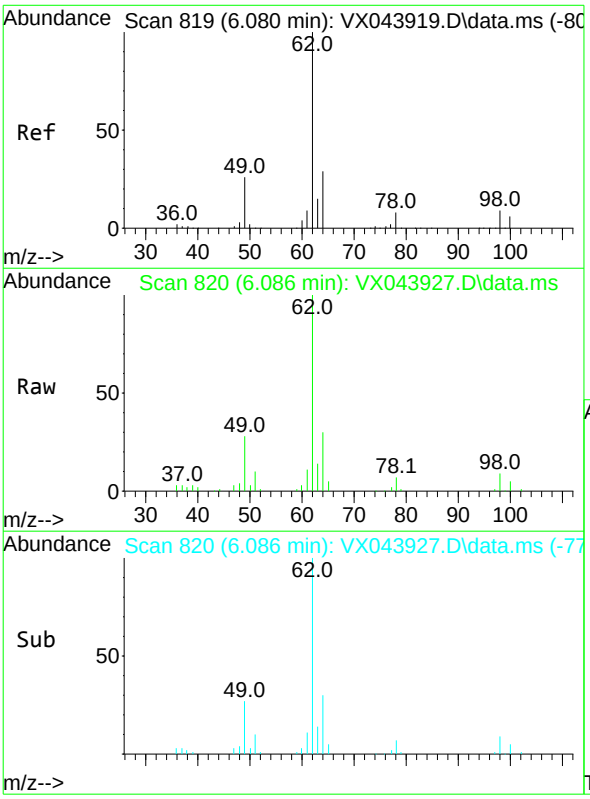
Ion	Ratio	Lower	Upper
41	100		
39	55.1	41.2	61.8
67	72.7	60.3	90.5
52	34.7	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

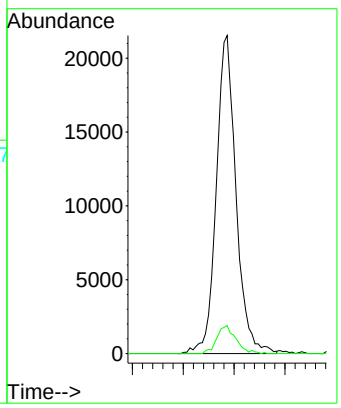
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

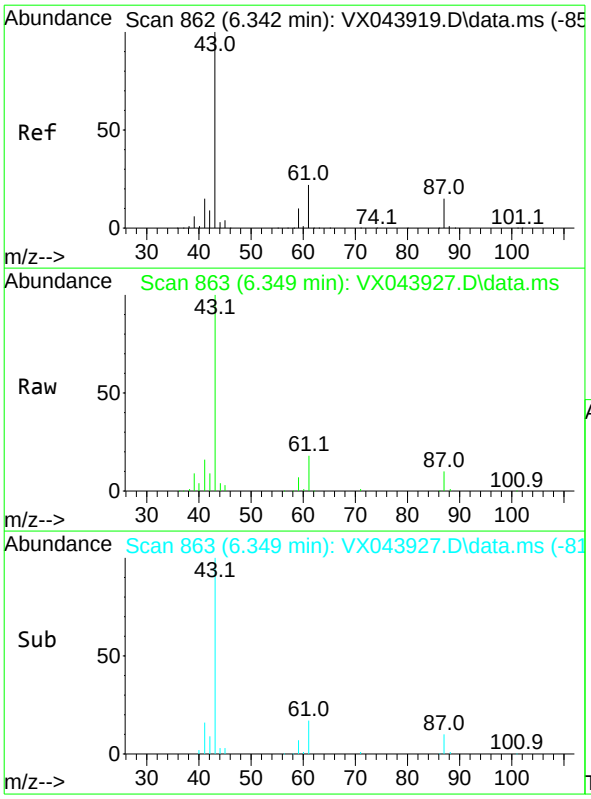


#42
1,2-Dichloroethane
Concen: 24.487 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 62 Resp: 57981

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	18.6

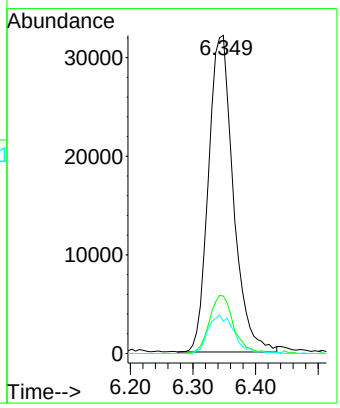




#43
Isopropyl Acetate
Concen: 24.054 ug/l
RT: 6.349 min Scan# 86
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 43 Resp: 88577

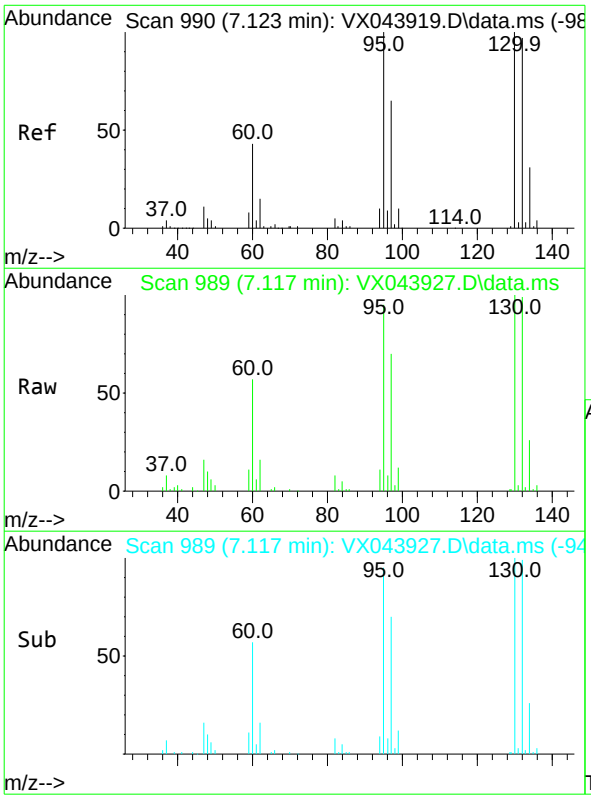
Ion	Ratio	Lower	Upper
43	100		
61	17.9	16.9	25.3
87	12.6	11.9	17.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

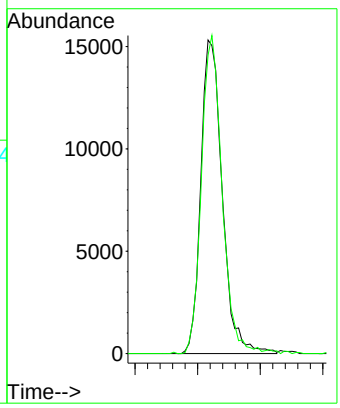
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

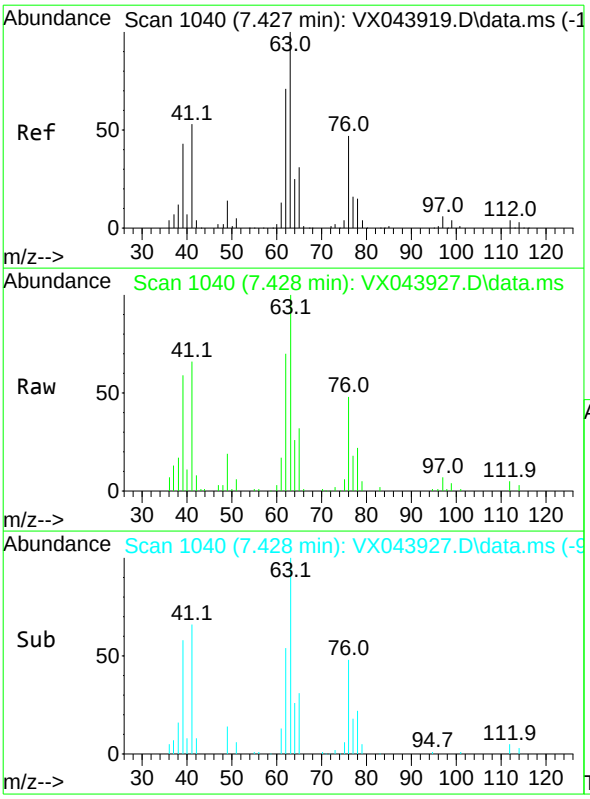


#44
Trichloroethene
Concen: 20.270 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:130 Resp: 36440

Ion	Ratio	Lower	Upper
130	100		
95	95.2	0.0	200.8

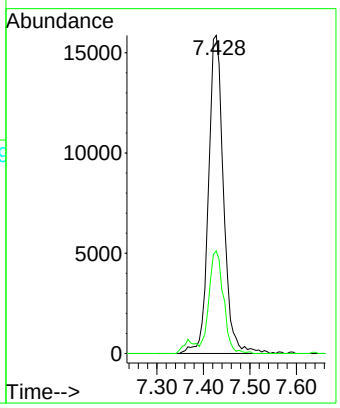




#45
1,2-Dichloropropane
Concen: 22.394 ug/l
RT: 7.428 min Scan# 10
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 63 Resp: 35791

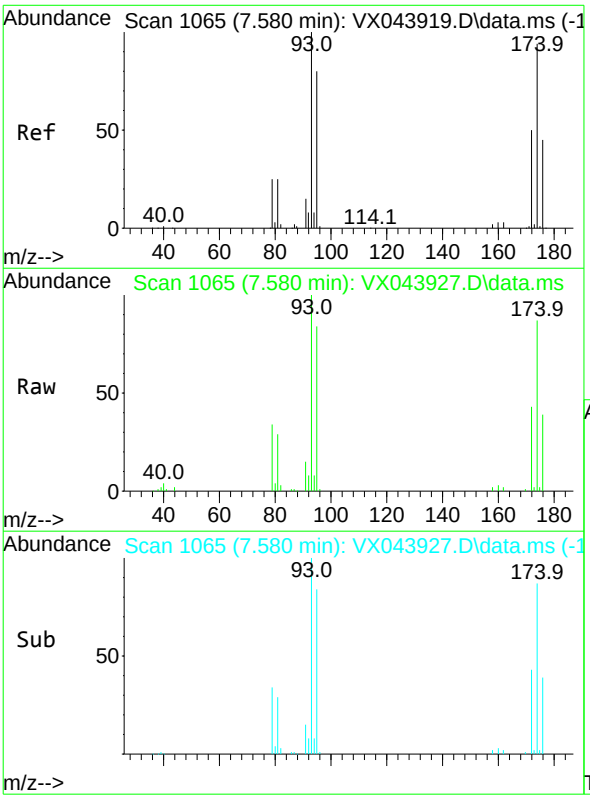
Ion	Ratio	Lower	Upper
63	100		
65	32.2	24.5	36.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

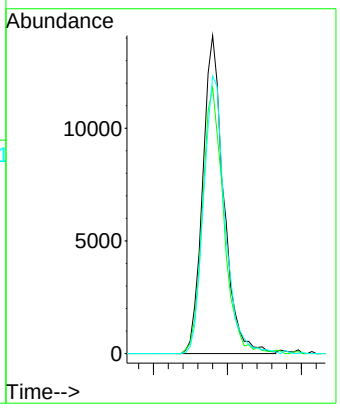
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

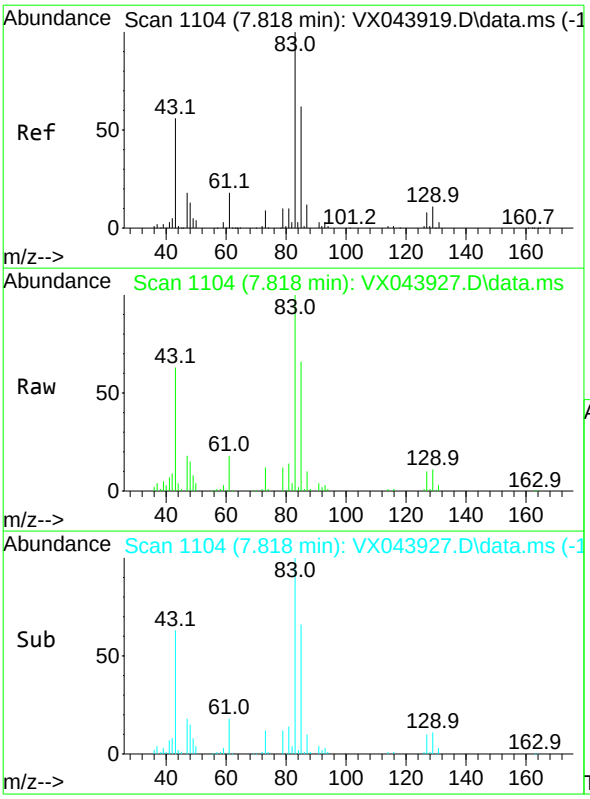


#46
Dibromomethane
Concen: 23.082 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

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

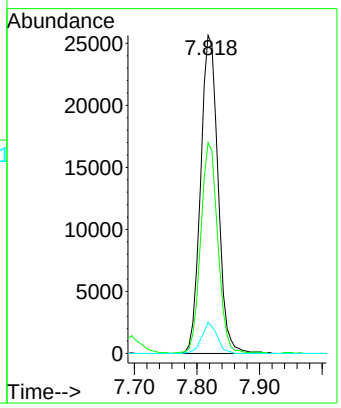




#47
Bromodichloromethane
Concen: 23.471 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 83 Resp: 49665

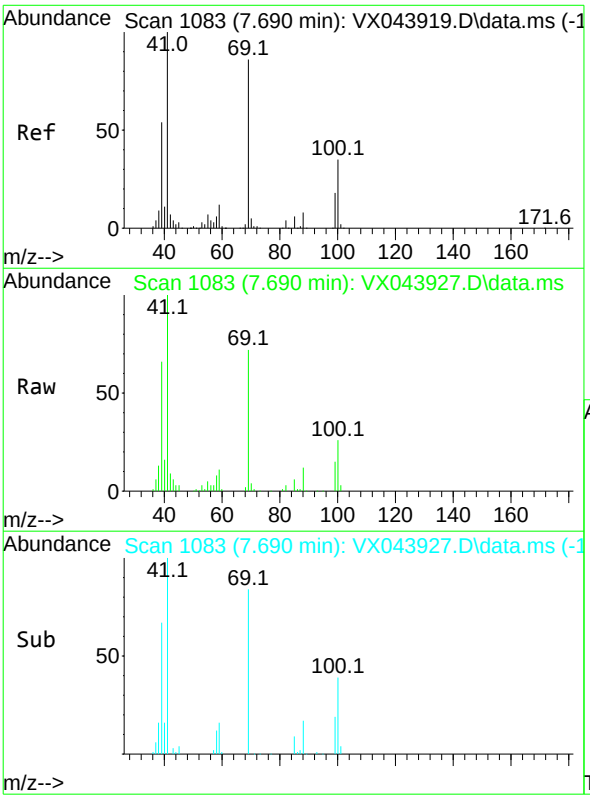
Ion	Ratio	Lower	Upper
83	100		
85	66.3	49.4	74.0
127	9.7	6.2	9.4#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

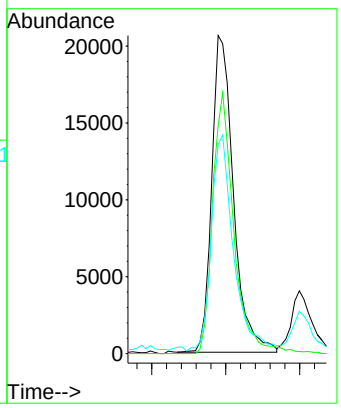
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

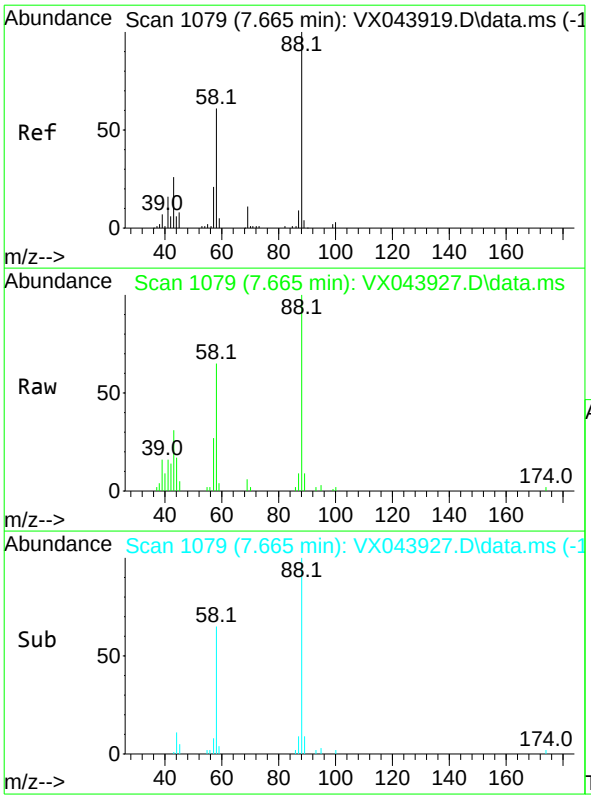


#48
Methyl methacrylate
Concen: 22.991 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

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#

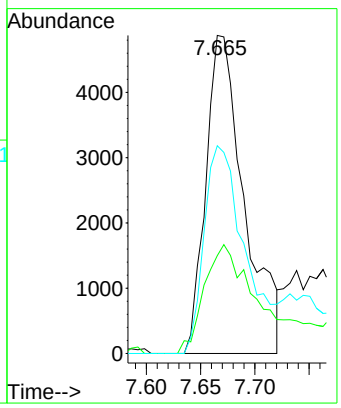




#49
1,4-Dioxane
Concen: 310.503 ug/l
RT: 7.665 min Scan# 10
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 88 Resp: 12071

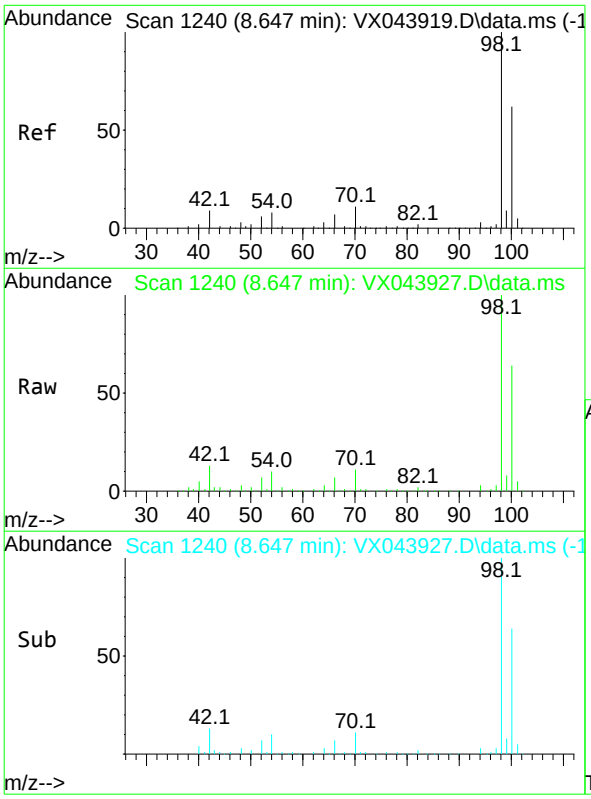
Ion	Ratio	Lower	Upper
88	100		
43	52.5	17.4	26.0#
58	69.7	41.0	61.6#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

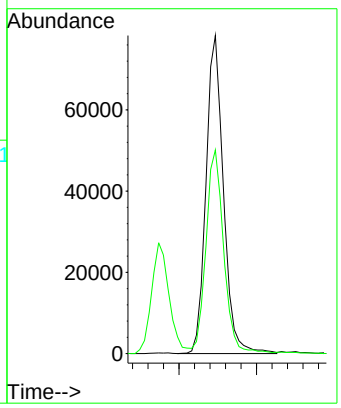
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

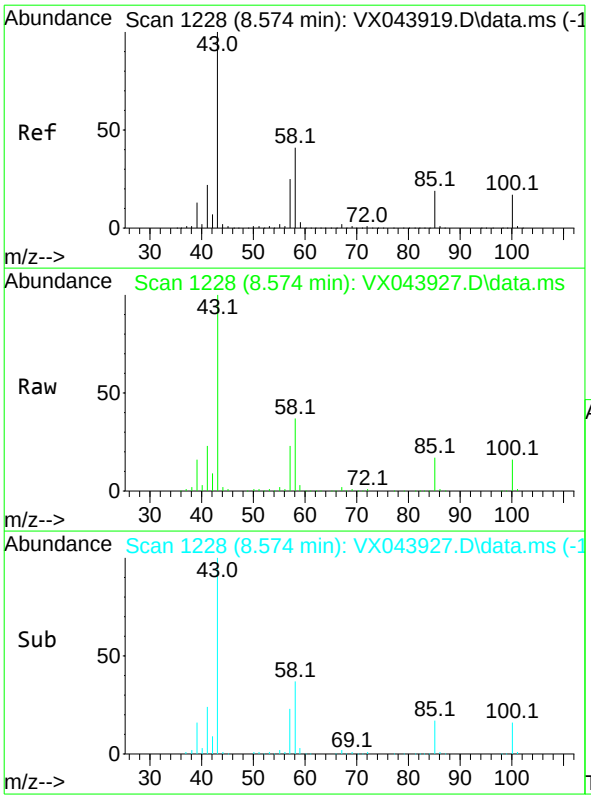


#50
Toluene-d8
Concen: 22.060 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 98 Resp: 122646

Ion	Ratio	Lower	Upper
98	100		
100	63.8	53.0	79.6

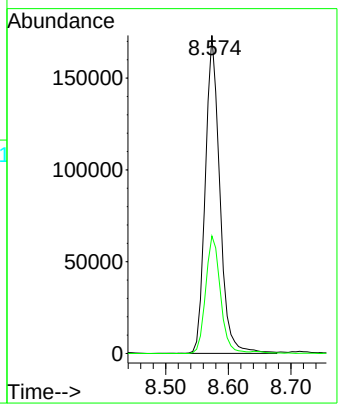




#51
4-Methyl-2-Pentanone
Concen: 121.285 ug/l
RT: 8.574 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 43 Resp: 278479

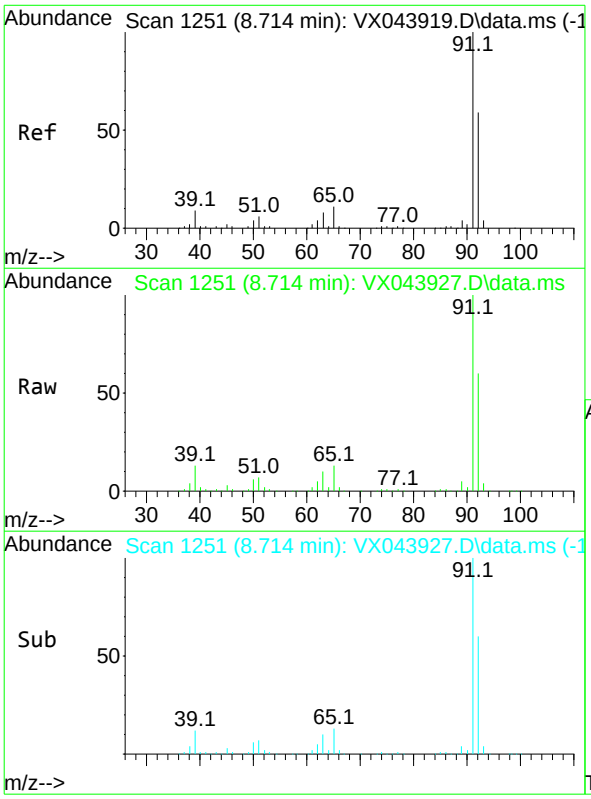
Ion	Ratio	Lower	Upper
43	100		
58	37.6	32.4	48.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

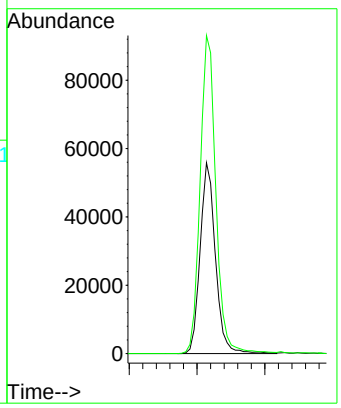
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

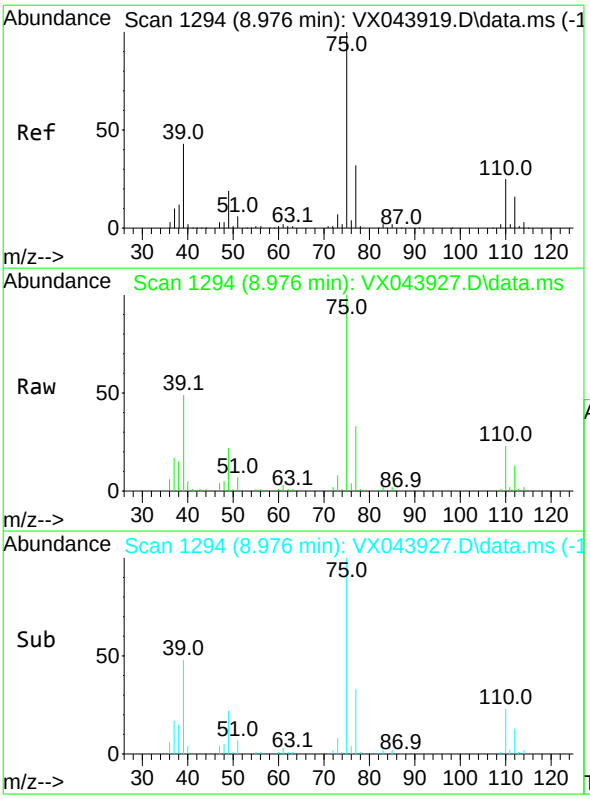


#52
Toluene
Concen: 23.277 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 92 Resp: 87569

Ion	Ratio	Lower	Upper
92	100		
91	171.0	136.2	204.4

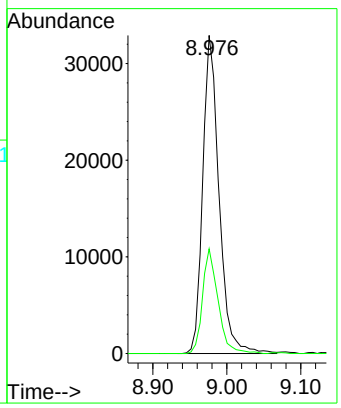




#53
t-1,3-Dichloropropene
Concen: 23.425 ug/l
RT: 8.976 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 75 Resp: 50294

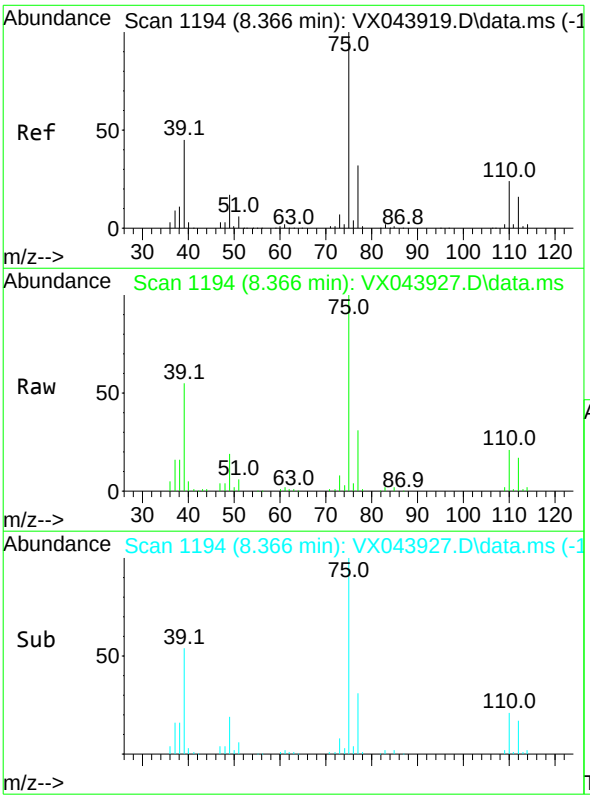
Ion	Ratio	Lower	Upper
75	100		
77	32.9	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

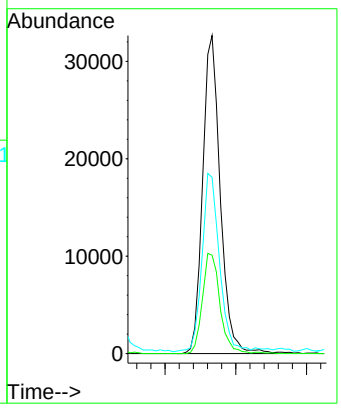
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

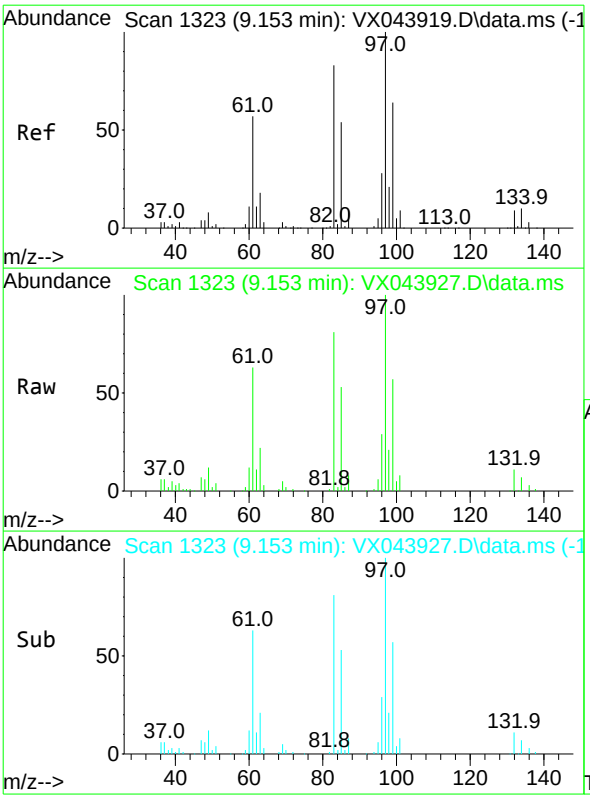


#54
cis-1,3-Dichloropropene
Concen: 23.184 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

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#

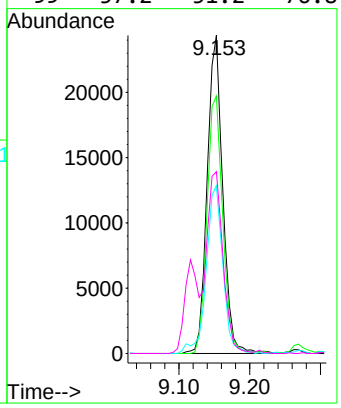




#55
1,1,2-Trichloroethane
Concen: 25.308 ug/l
RT: 9.153 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 97 Resp: 37148

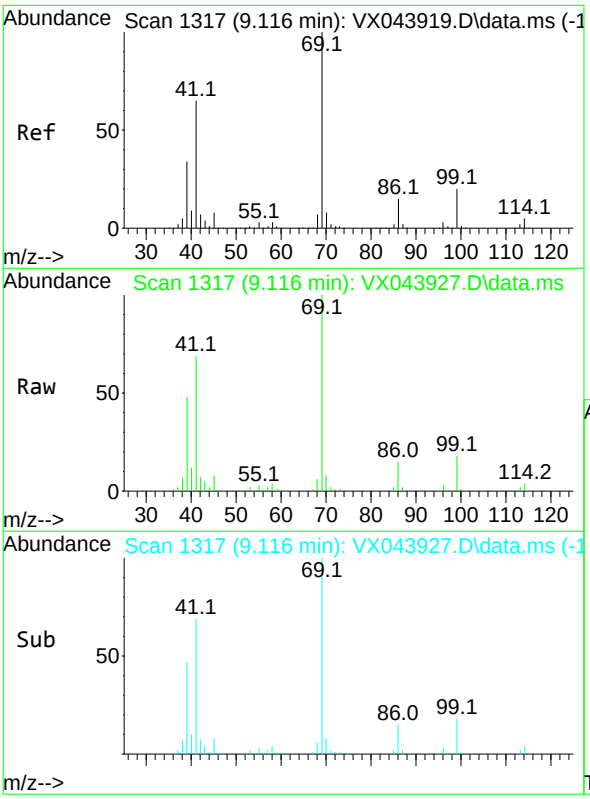
Ion	Ratio	Lower	Upper
97	100		
83	81.0	66.5	99.7
85	52.7	43.4	65.2
99	57.2	51.2	76.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

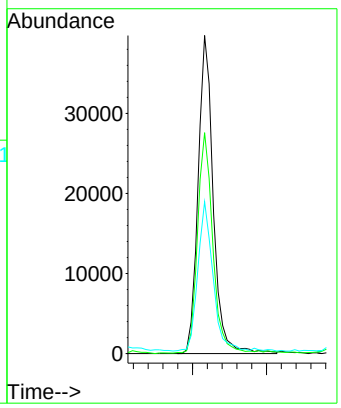
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

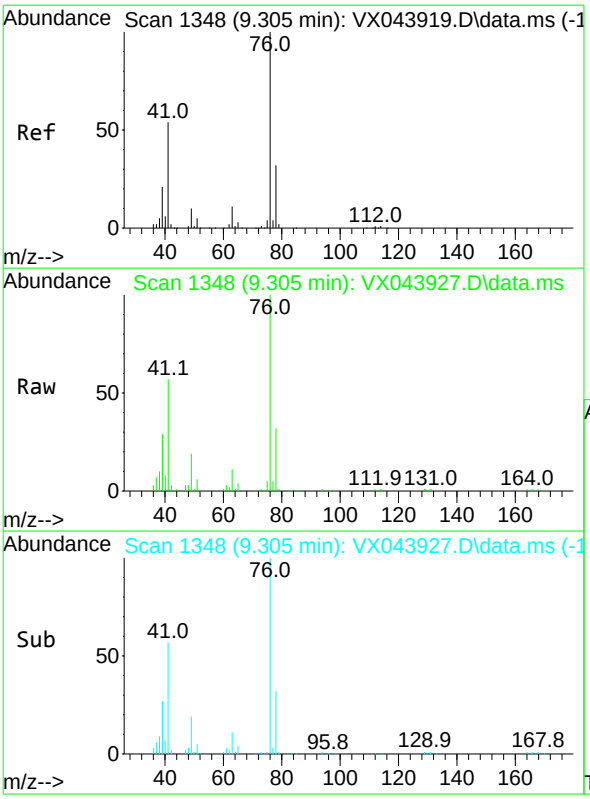


#56
Ethyl methacrylate
Concen: 24.347 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

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#

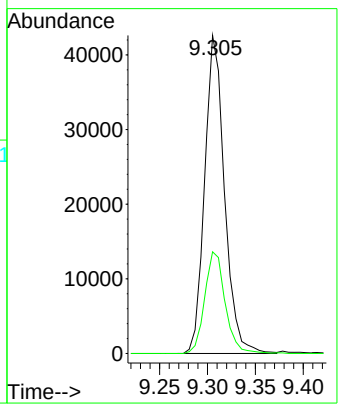




#57
1,3-Dichloropropane
Concen: 24.976 ug/l
RT: 9.305 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 76 Resp: 61420

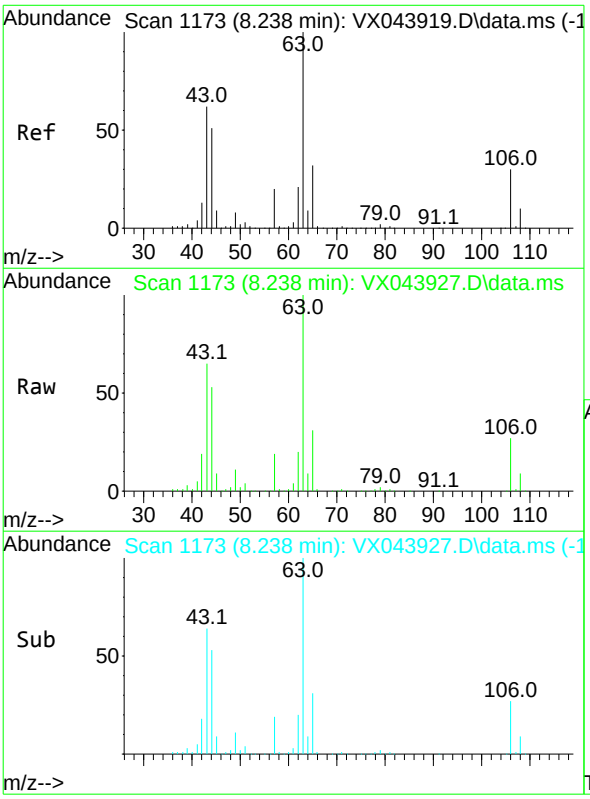
Ion	Ratio	Lower	Upper
76	100		
78	33.0	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

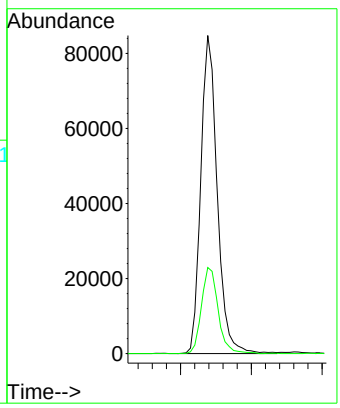
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

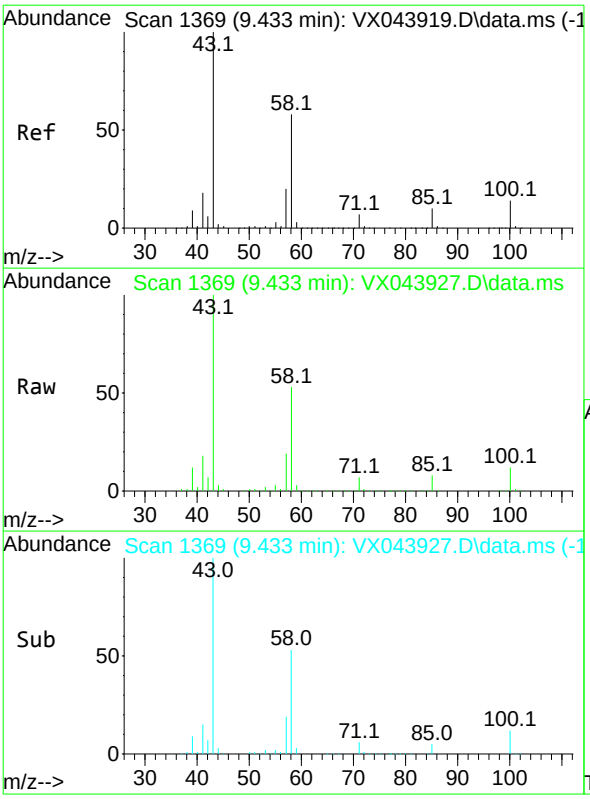


#58
2-Chloroethyl Vinyl ether
Concen: 112.277 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 63 Resp: 136842

Ion	Ratio	Lower	Upper
63	100		
106	27.4	23.8	35.6

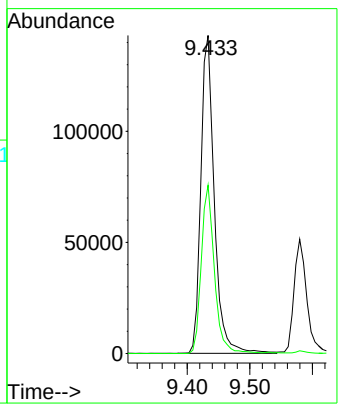




#59
2-Hexanone
Concen: 131.869 ug/l
RT: 9.433 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 43 Resp: 213629

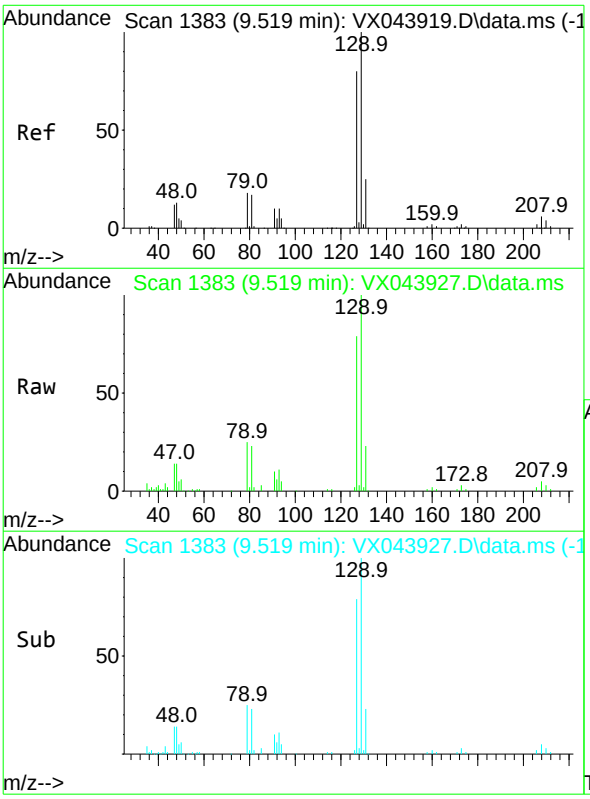
Ion	Ratio	Lower	Upper
43	100		
58	51.6	28.3	84.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

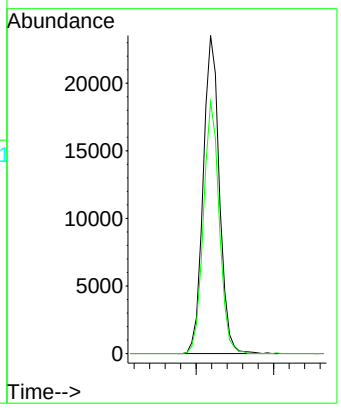
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

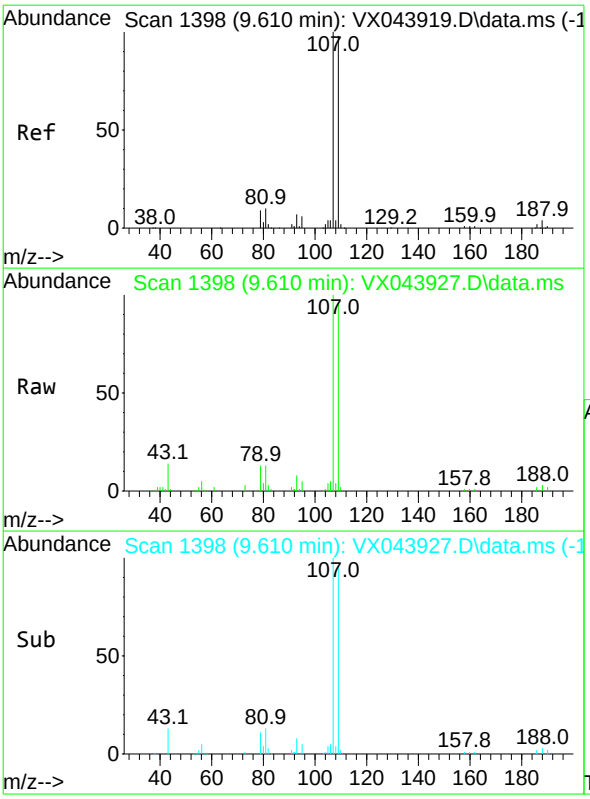


#60
Dibromochloromethane
Concen: 23.864 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:129 Resp: 34133

Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.6	115.8

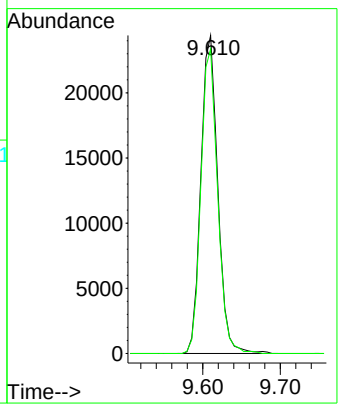




#61
1,2-Dibromoethane
Concen: 24.156 ug/l
RT: 9.610 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:107 Resp: 36985

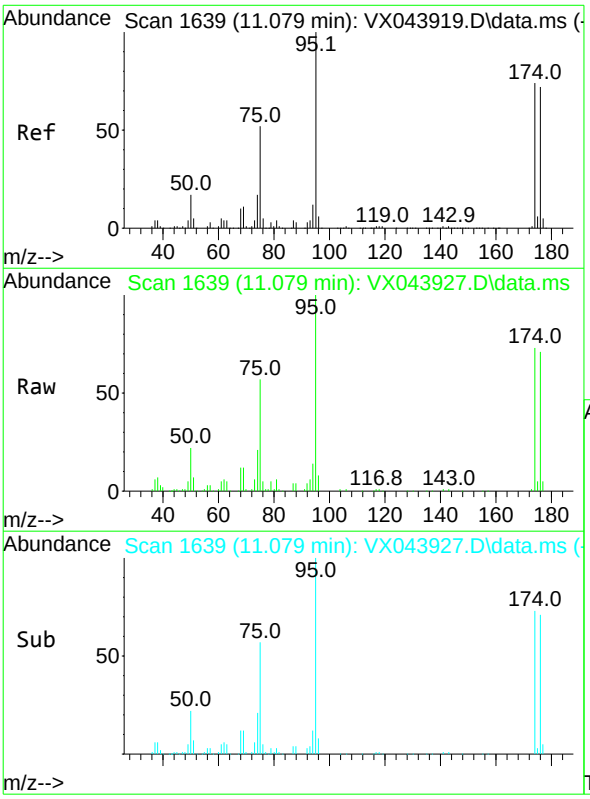
Ion	Ratio	Lower	Upper
107	100		
109	94.7	76.2	114.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

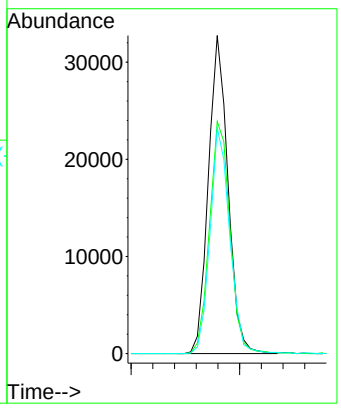
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

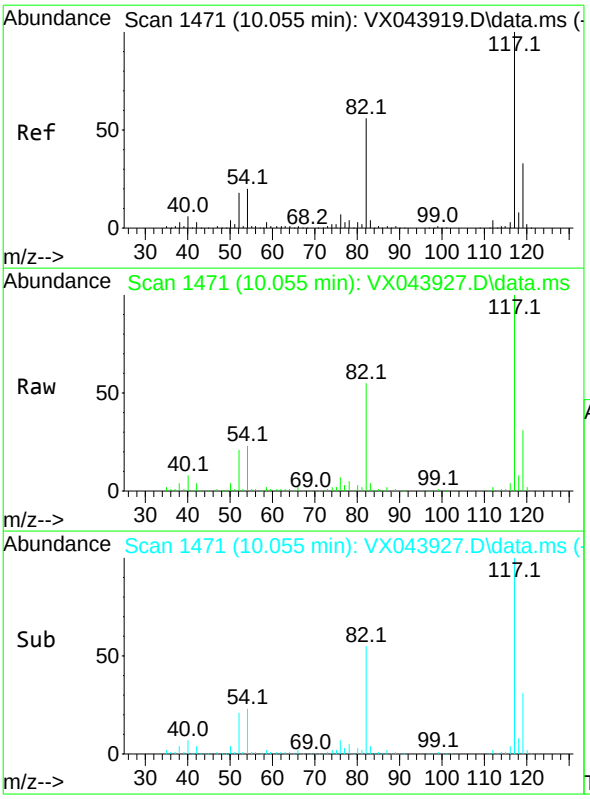


#62
4-Bromofluorobenzene
Concen: 22.365 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

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

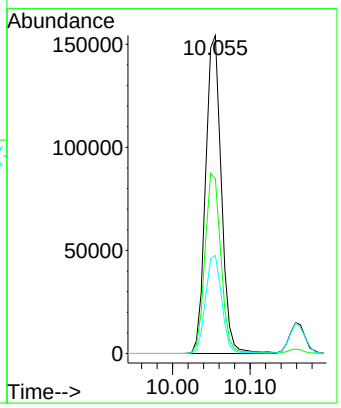




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:117 Resp: 217871

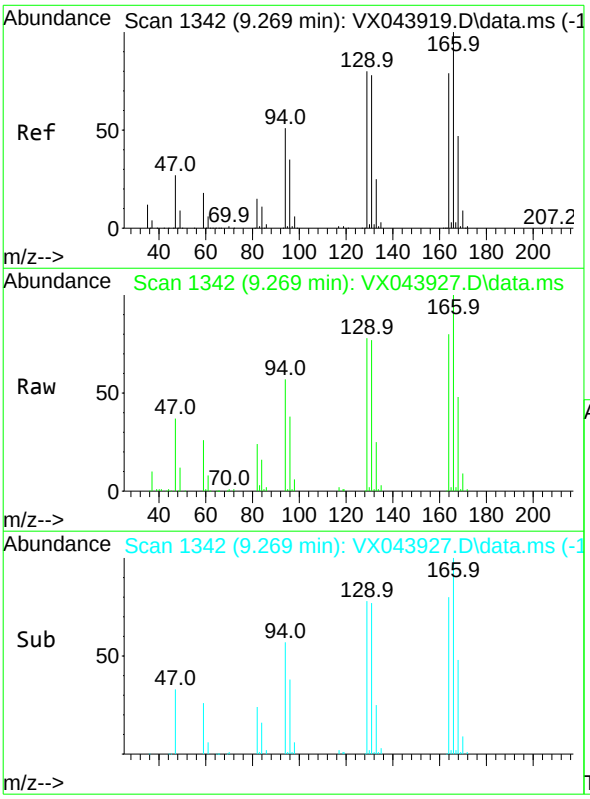
Ion	Ratio	Lower	Upper
117	100		
82	54.9	44.6	67.0
119	30.8	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

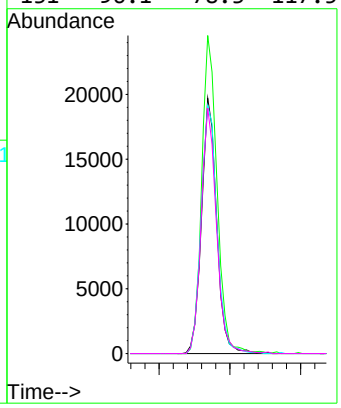
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

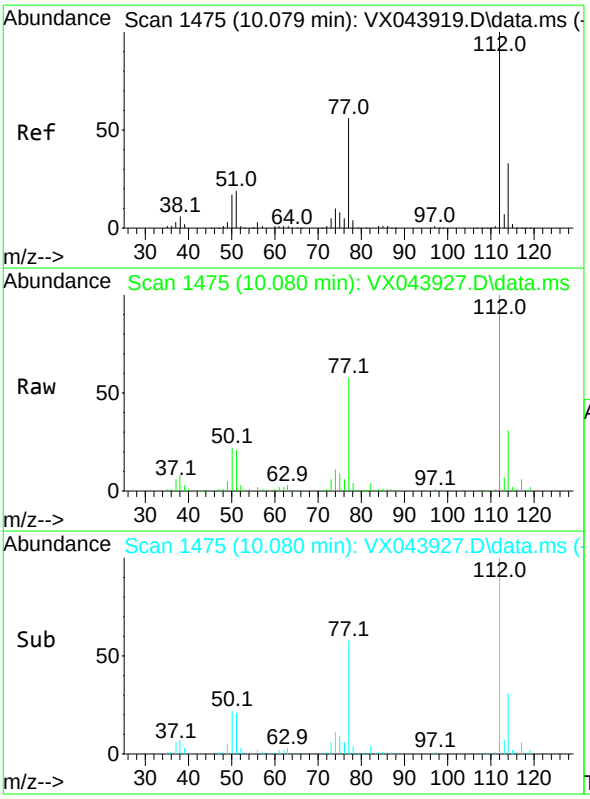


#64
Tetrachloroethene
Concen: 20.948 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

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

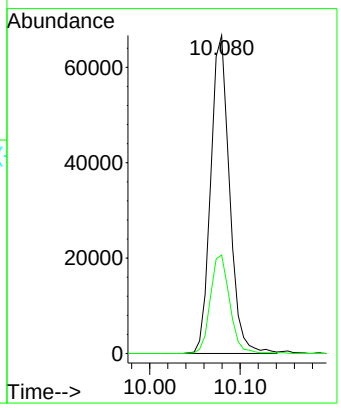




#65
Chlorobenzene
Concen: 21.197 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:112 Resp: 96469

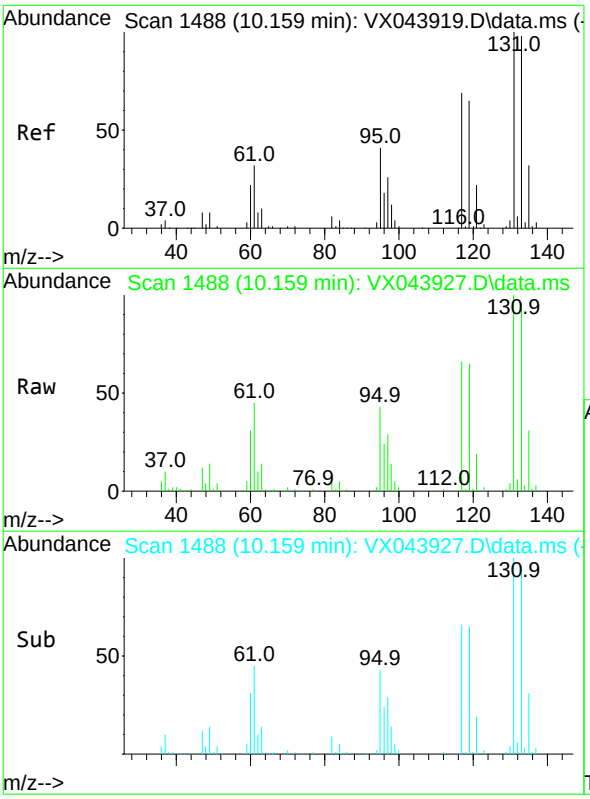
Ion	Ratio	Lower	Upper
112	100		
114	31.0	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

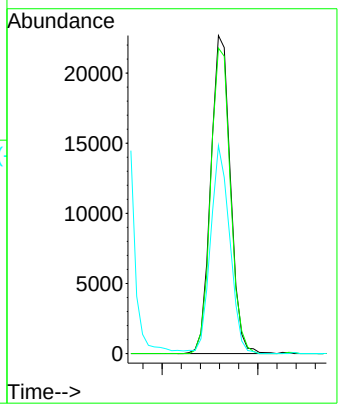
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

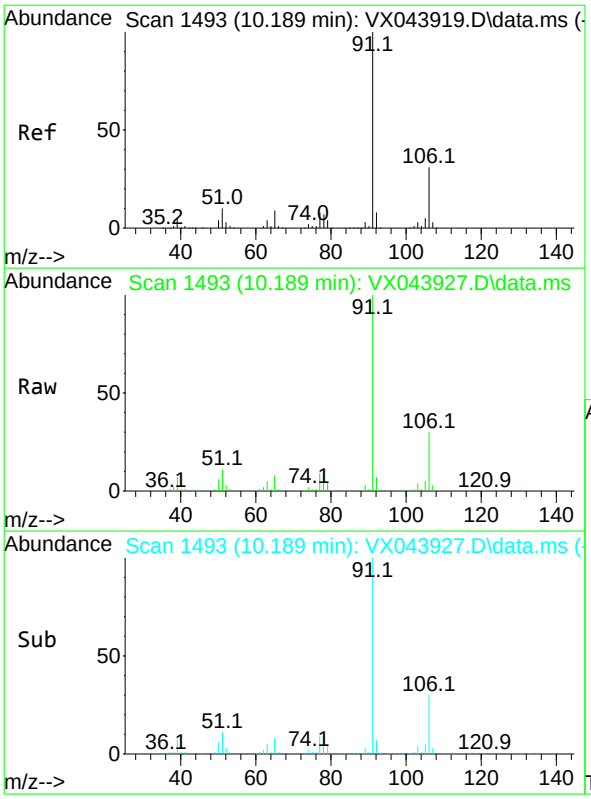


#66
1,1,1,2-Tetrachloroethane
Concen: 21.360 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

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

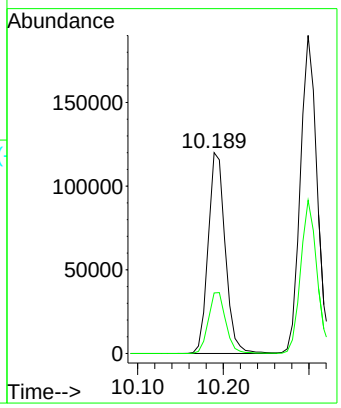
Tgt Ion: 91 Resp: 166435

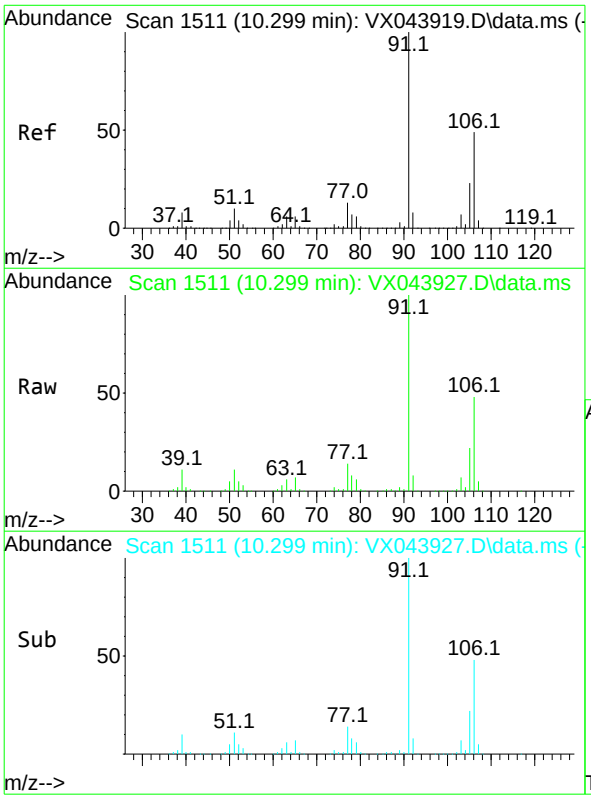
Ion	Ratio	Lower	Upper
91	100		
106	30.1	25.0	37.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

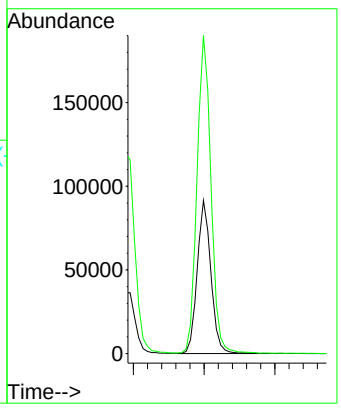


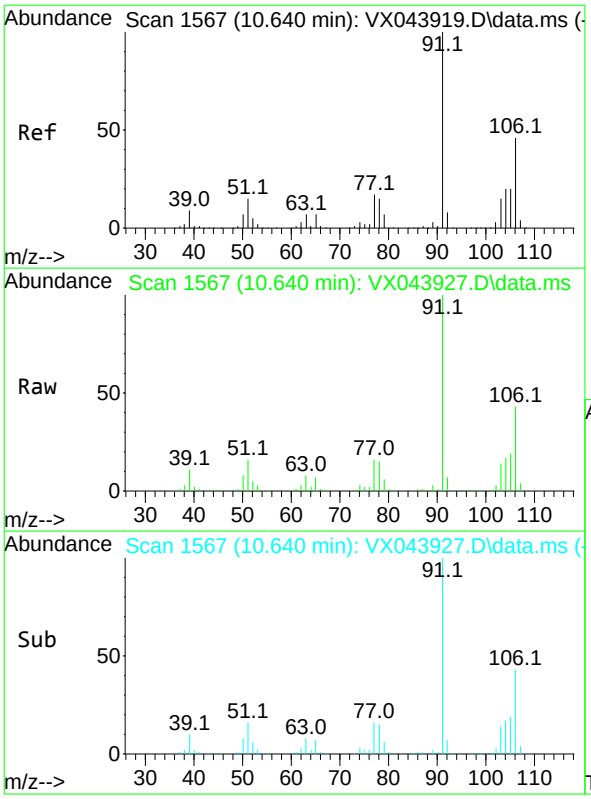


#68
m/p-Xylenes
Concen: 42.997 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:106 Resp: 122658

Ion	Ratio	Lower	Upper
106	100		
91	211.9	163.3	244.9

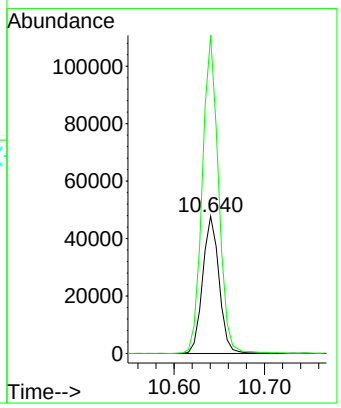




#69
o-Xylene
Concen: 21.648 ug/l
RT: 10.640 min Scan# 15
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:106 Resp: 60254

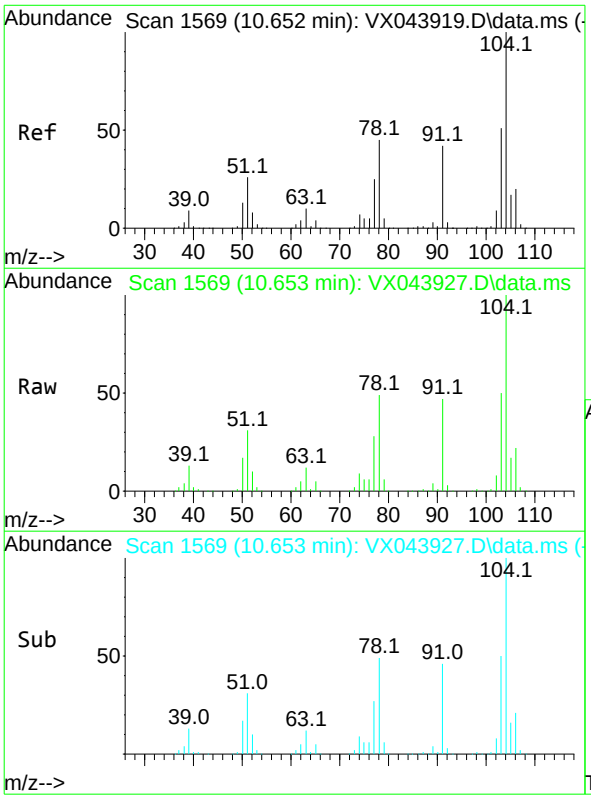
Ion	Ratio	Lower	Upper
106	100		
91	229.5	109.6	328.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

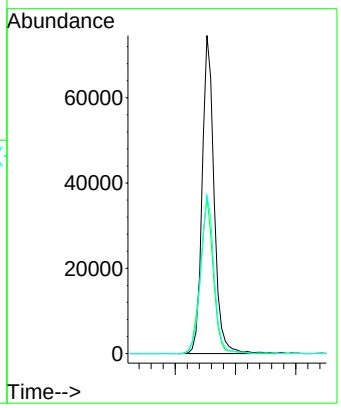
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

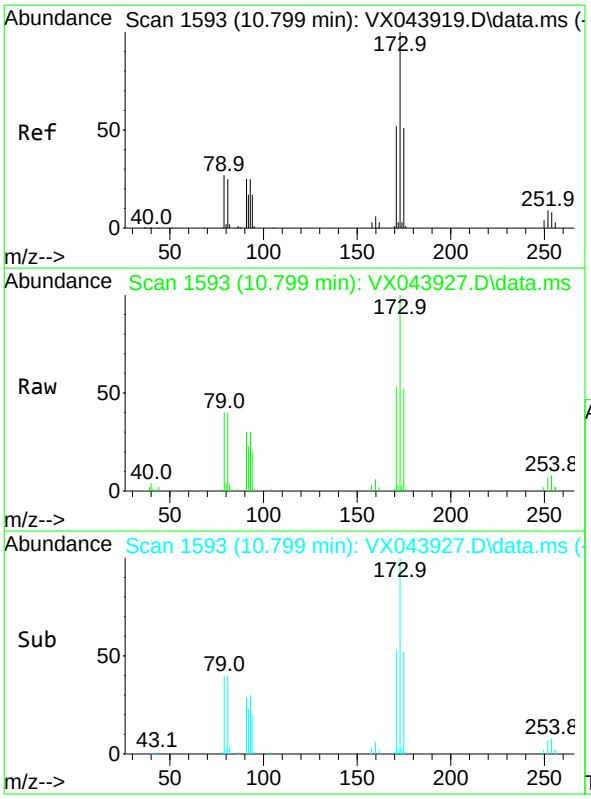


#70
Styrene
Concen: 22.308 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

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

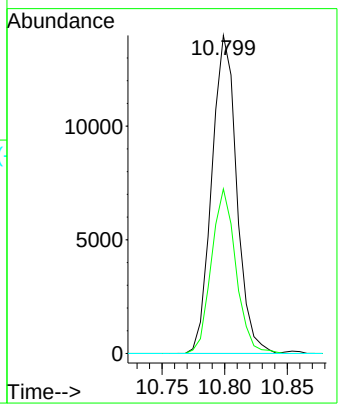




#71
Bromoform
Concen: 19.555 ug/l
RT: 10.799 min Scan# 15
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:173 Resp: 19329

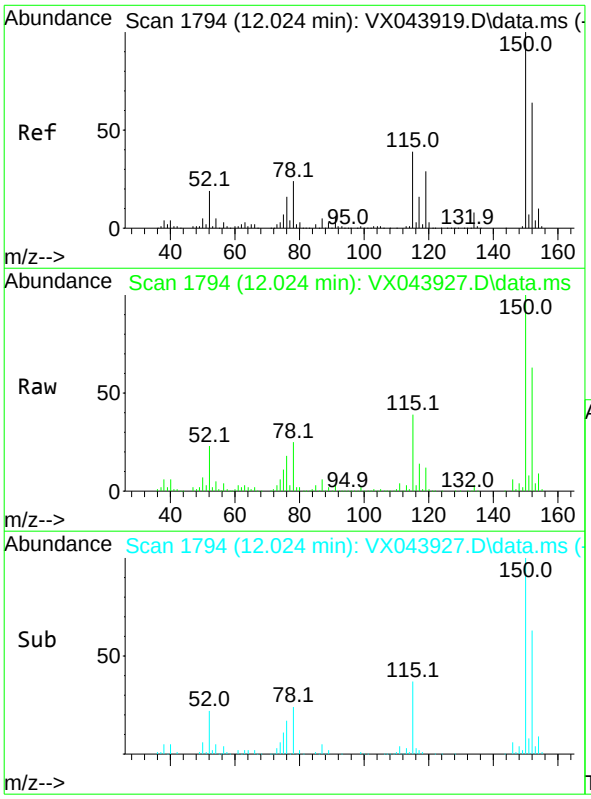
Ion	Ratio	Lower	Upper
173	100		
175	51.0	24.6	73.8
254	0.0	0.1	0.1#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

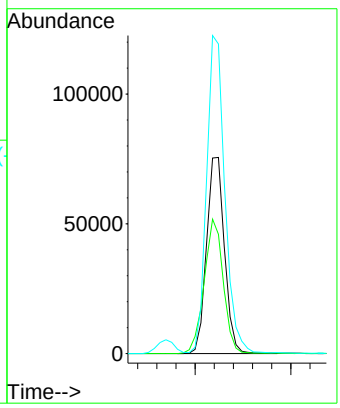
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

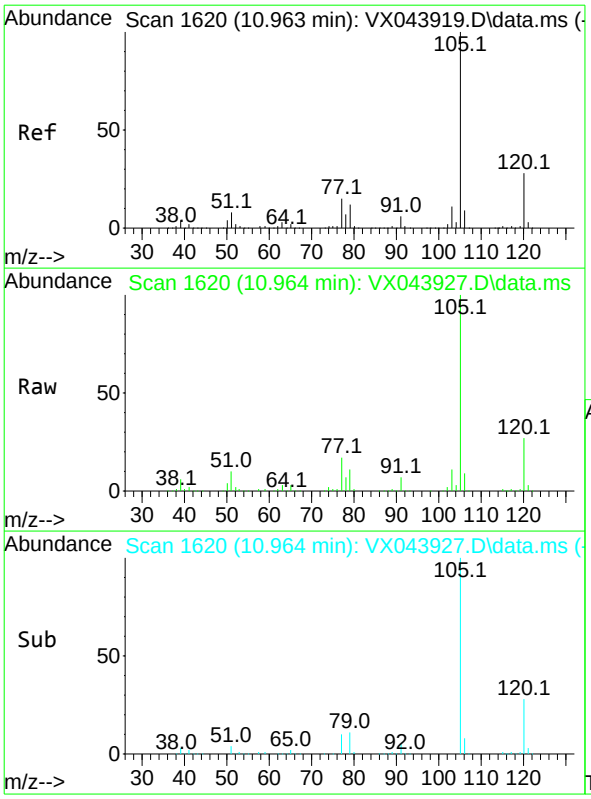


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

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

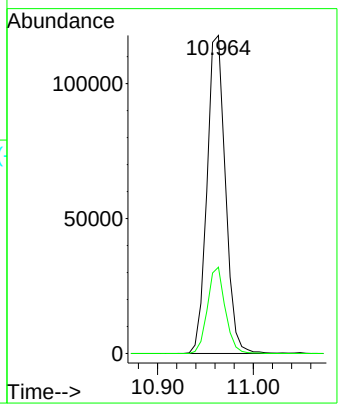




#73
Isopropylbenzene
Concen: 22.393 ug/l
RT: 10.964 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:105 Resp: 157405

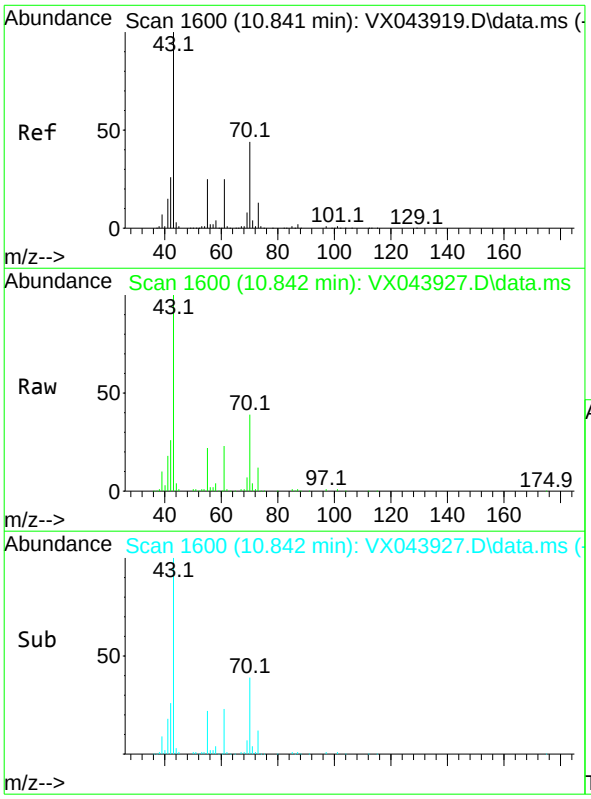
Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.3	39.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

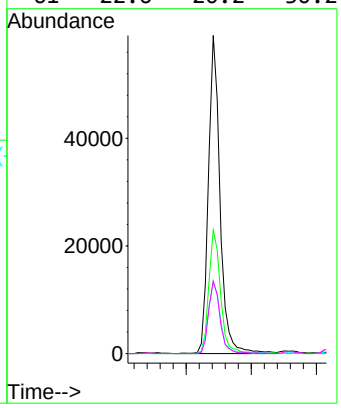
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

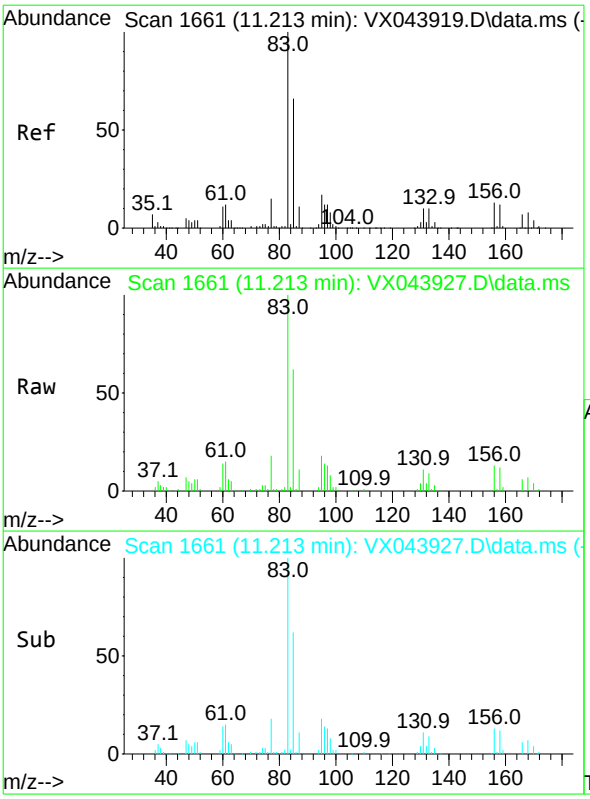


#74
N-amyl acetate
Concen: 23.459 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

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

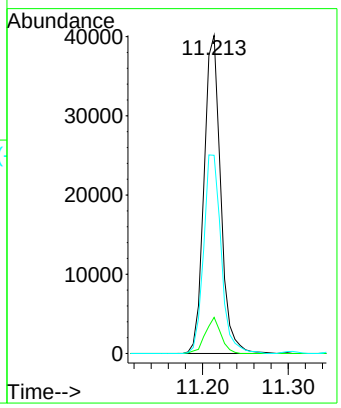




#75
1,1,2,2-Tetrachloroethane
Concen: 22.787 ug/l
RT: 11.213 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 83 Resp: 54158

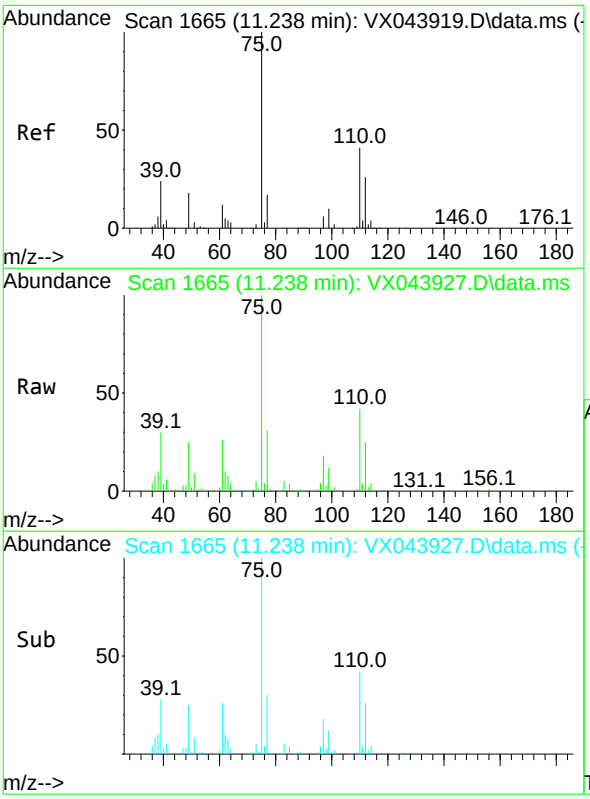
Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.1	15.3
85	65.7	32.3	96.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

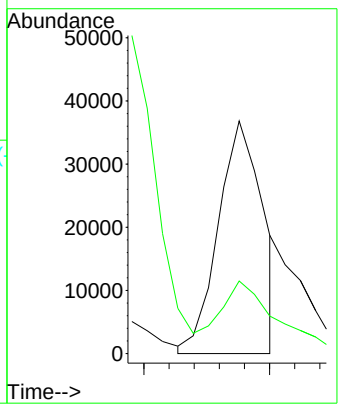
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

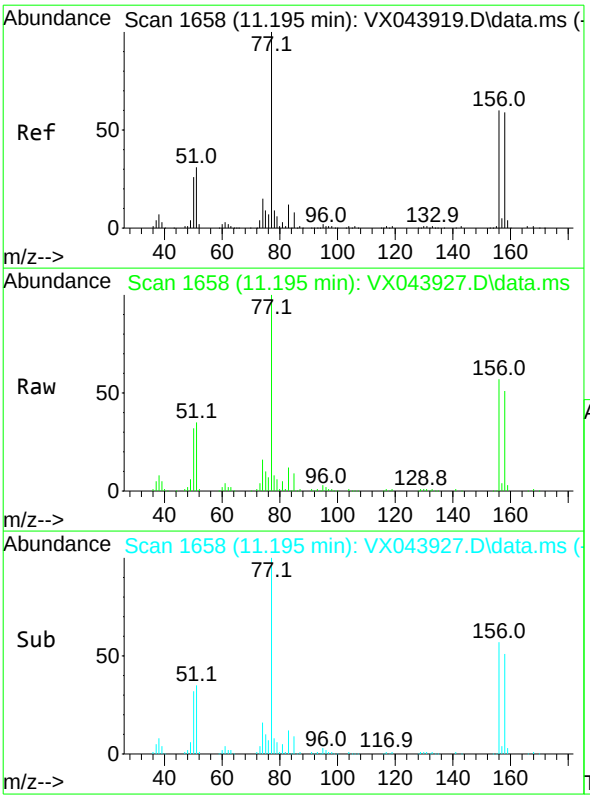


#76
1,2,3-Trichloropropane
Concen: 22.601 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 75 Resp: 45423

Ion	Ratio	Lower	Upper
75	100		
77	40.9	22.4	67.0

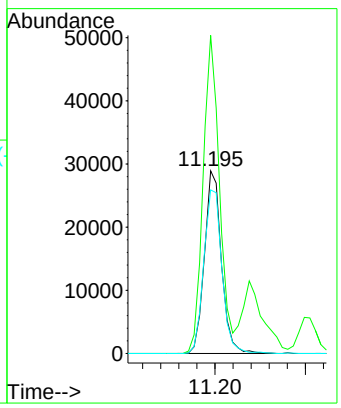




#77
Bromobenzene
Concen: 21.843 ug/l
RT: 11.195 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:156 Resp: 37631

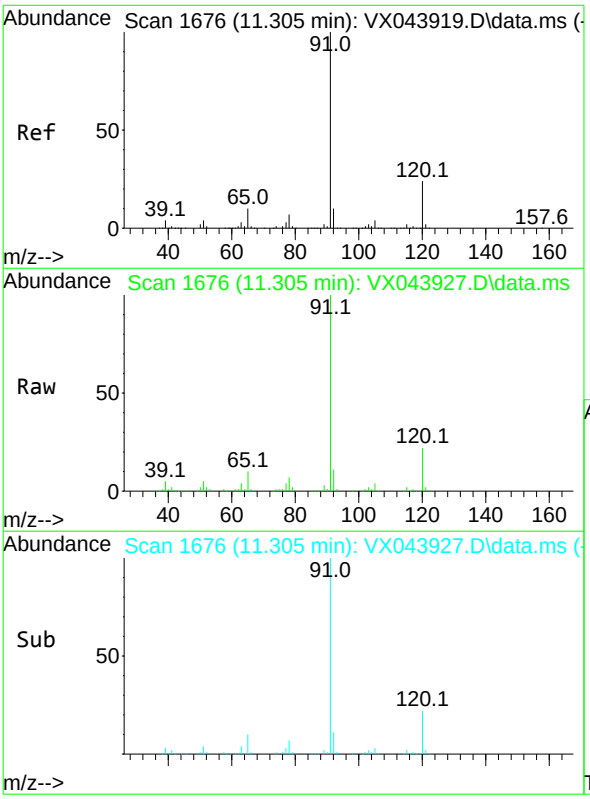
Ion	Ratio	Lower	Upper
156	100		
77	167.6	81.2	243.6
158	96.0	48.6	145.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

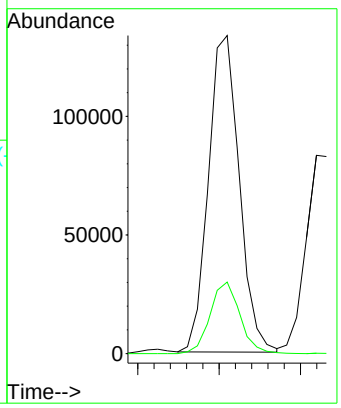
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

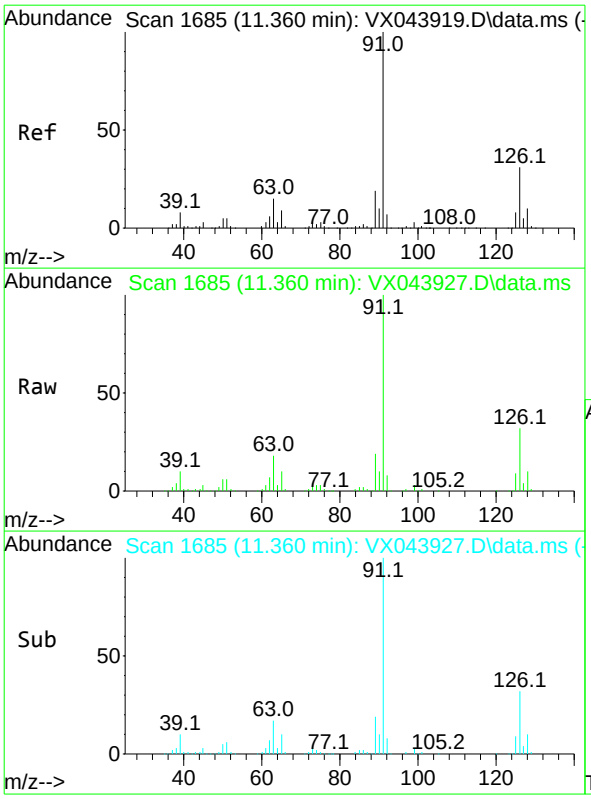


#78
n-propylbenzene
Concen: 22.696 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 91 Resp: 176034

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.5	34.5

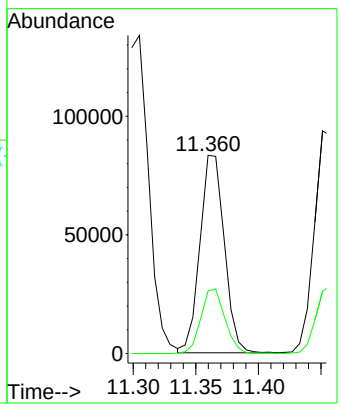




#79
2-Chlorotoluene
Concen: 22.894 ug/l
RT: 11.360 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 91 Resp: 112986

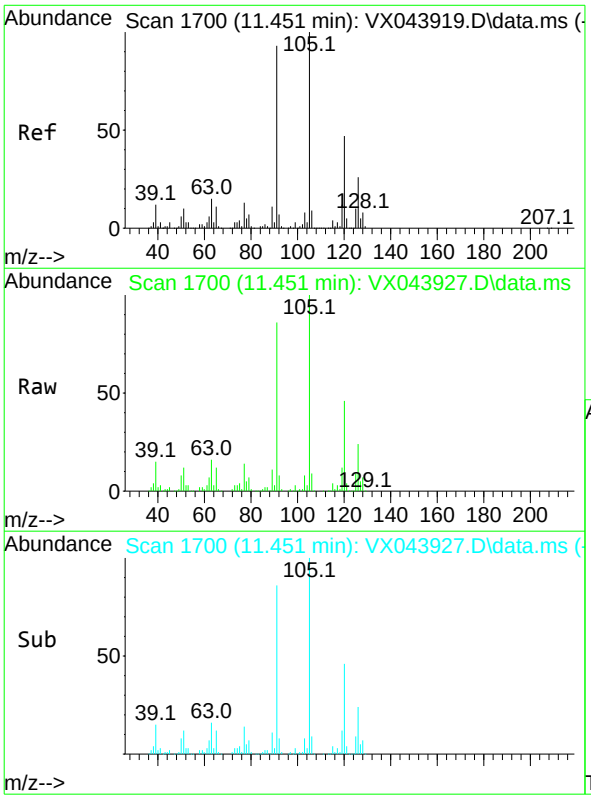
Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

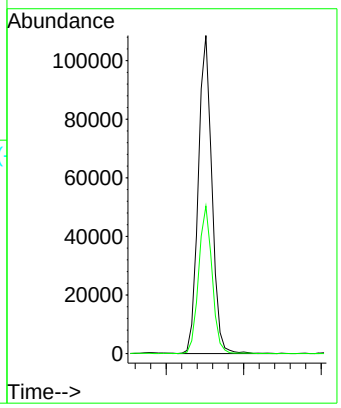
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

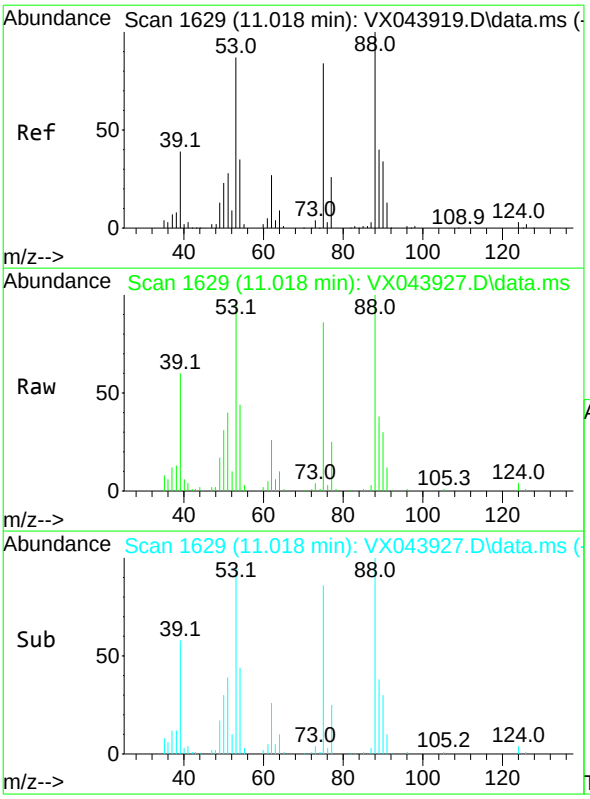


#80
1,3,5-Trimethylbenzene
Concen: 22.662 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

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

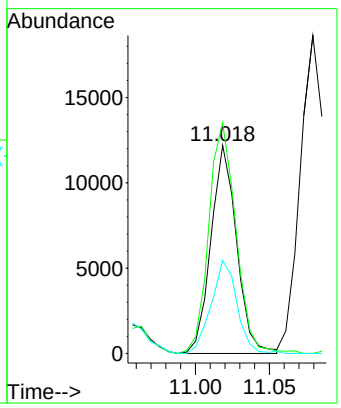
Tgt Ion: 75 Resp: 14743

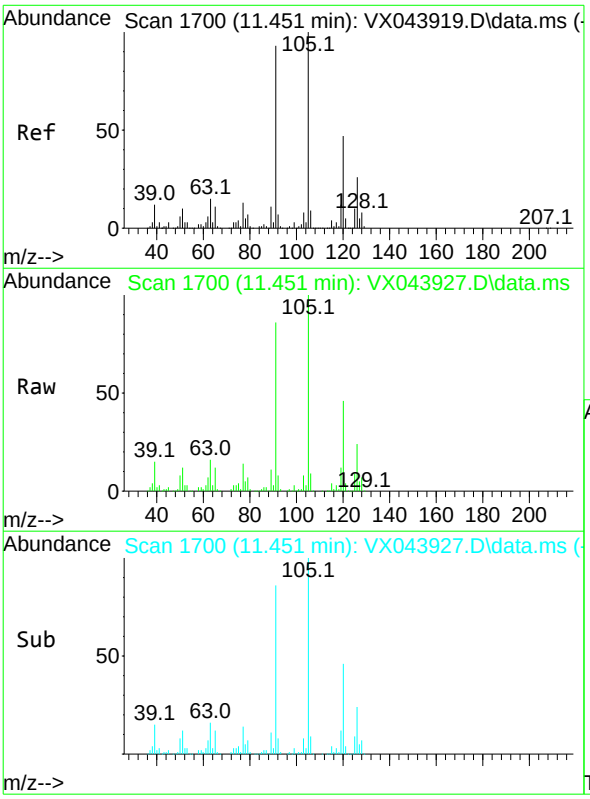
Ion	Ratio	Lower	Upper
75	100		
53	116.9	81.7	122.5
89	44.8	38.6	57.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

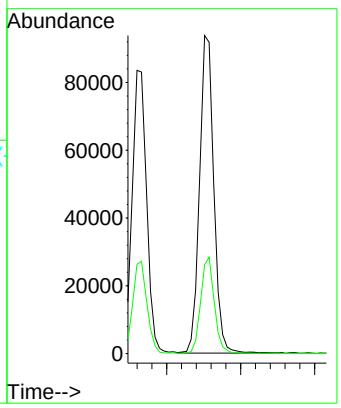


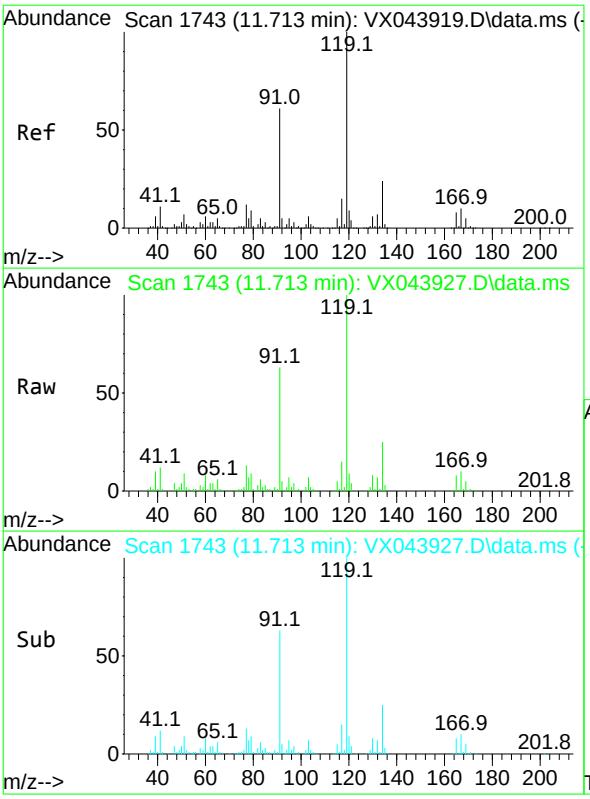


#82
4-Chlorotoluene
Concen: 22.085 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 91 Resp: 125521

Ion	Ratio	Lower	Upper
91	100		
126	29.2	14.4	43.2

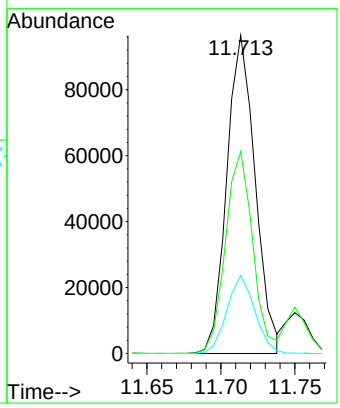




#83
tert-Butylbenzene
Concen: 21.582 ug/l
RT: 11.713 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:119 Resp: 128636

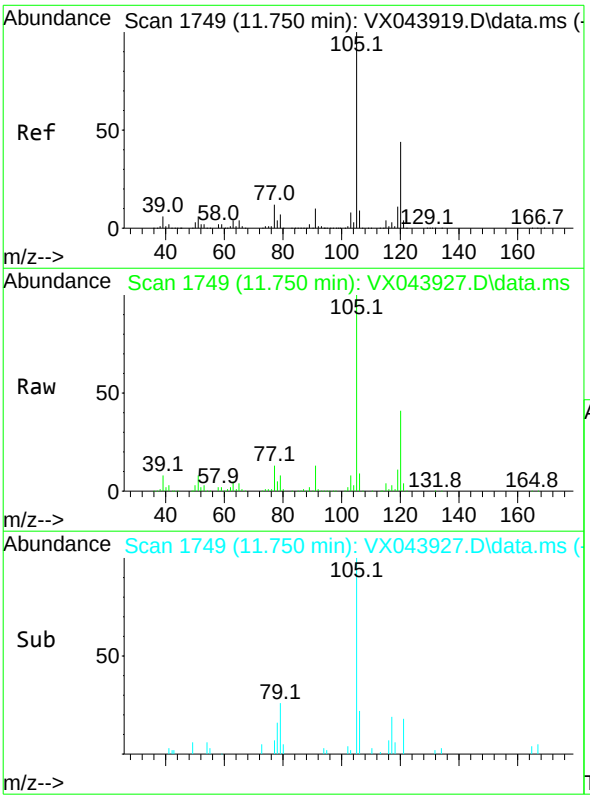
Ion	Ratio	Lower	Upper
119	100		
91	61.4	29.5	88.6
134	24.2	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

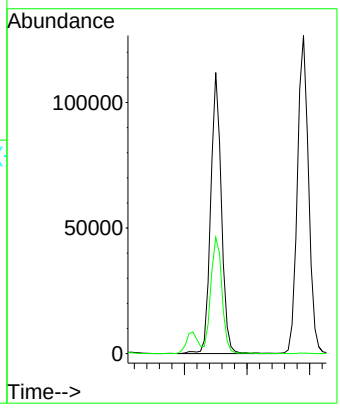
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

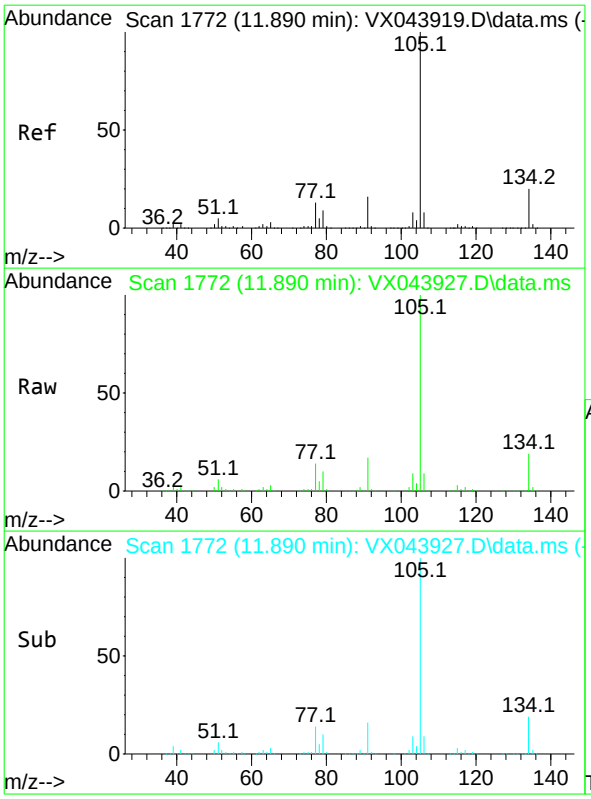


#84
1,2,4-Trimethylbenzene
Concen: 22.408 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:105 Resp: 132595

Ion	Ratio	Lower	Upper
105	100		
120	42.9	21.7	65.1

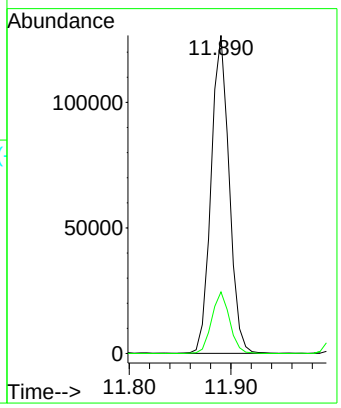




#85
sec-Butylbenzene
Concen: 21.962 ug/l
RT: 11.890 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:105 Resp: 156312

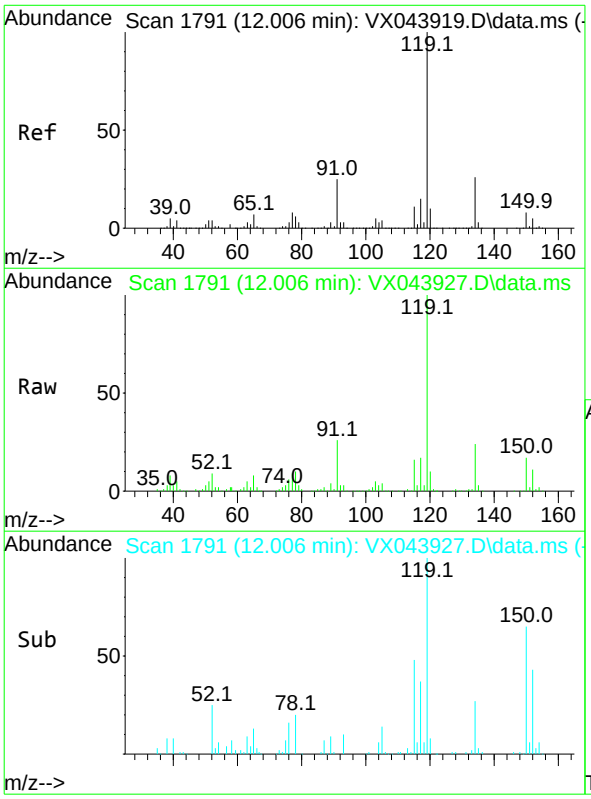
Ion	Ratio	Lower	Upper
105	100		
134	19.1	10.0	29.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

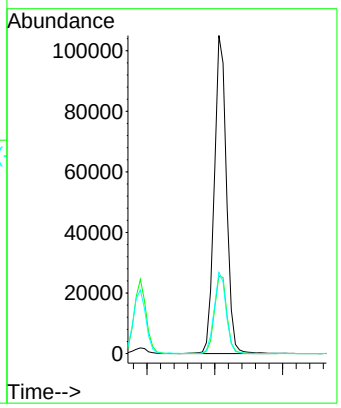
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

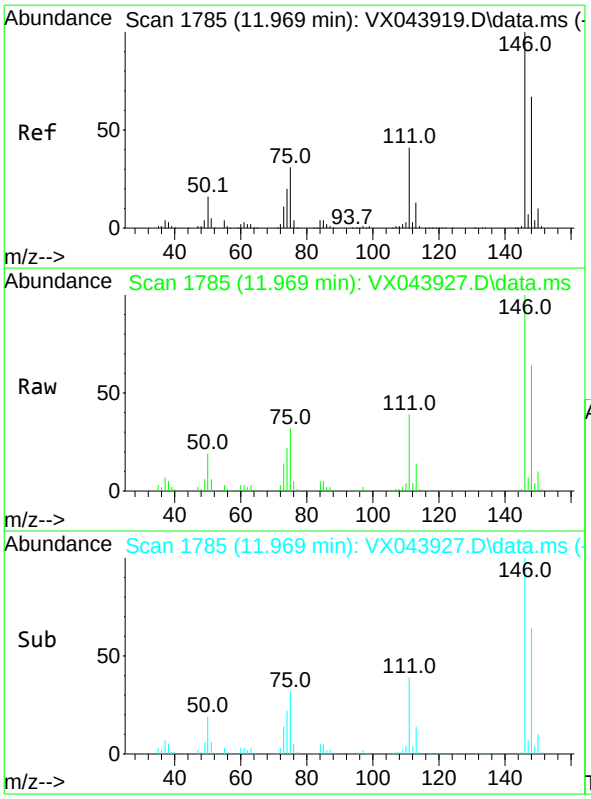


#86
p-Isopropyltoluene
Concen: 21.854 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

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

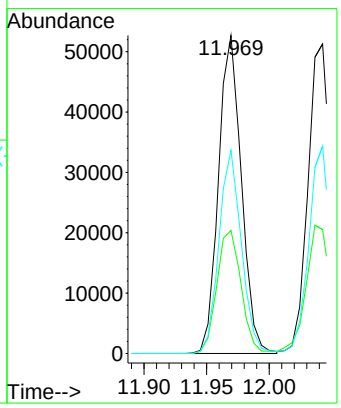




#87
1,3-Dichlorobenzene
Concen: 20.986 ug/l
RT: 11.969 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:146 Resp: 67003

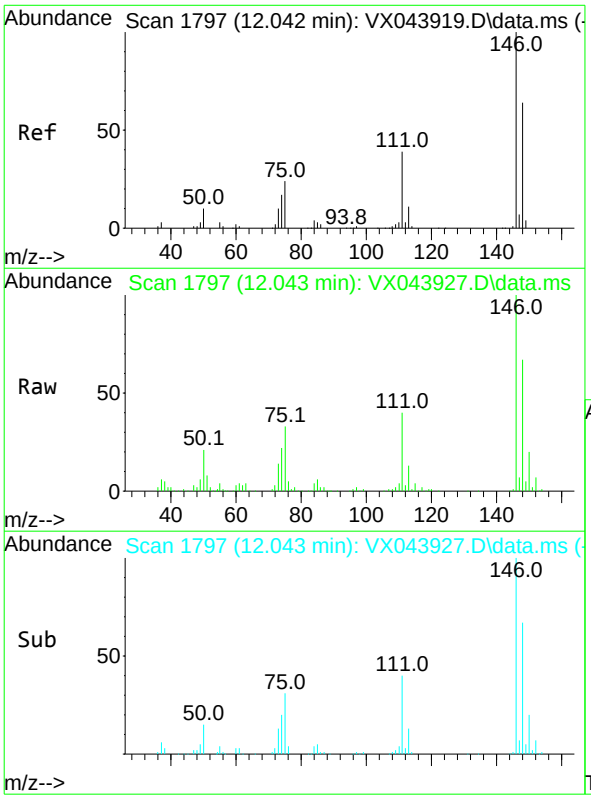
Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.8	62.2
148	62.8	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

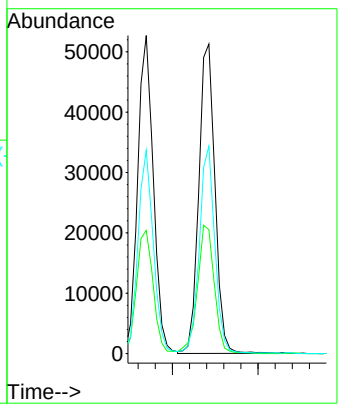
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

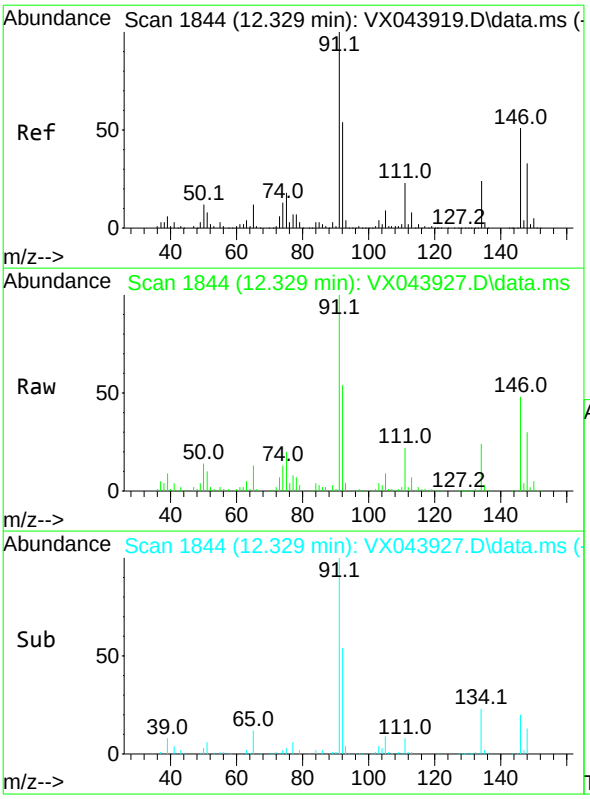


#88
1,4-Dichlorobenzene
Concen: 20.527 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

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

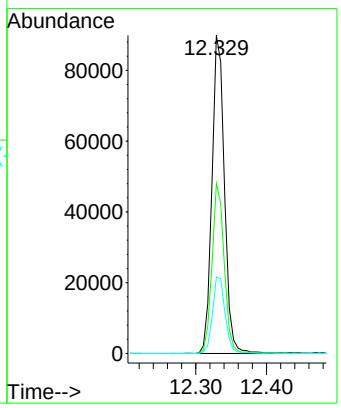
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

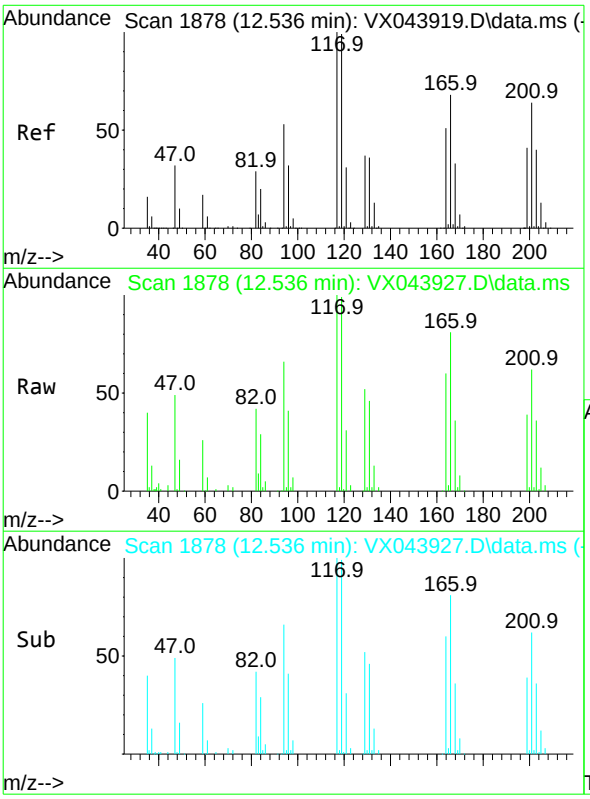
Tgt Ion: 91 Resp: 110491

Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.9	80.6
134	24.4	12.9	38.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

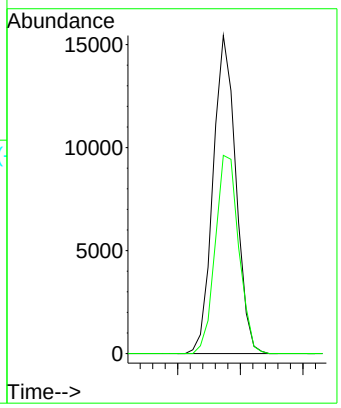


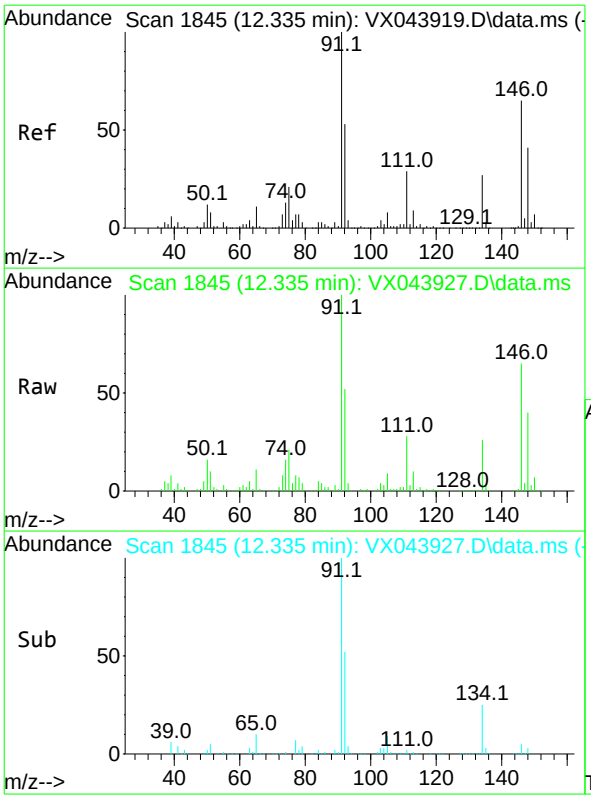


#90
Hexachloroethane
Concen: 19.432 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:117 Resp: 19547

Ion	Ratio	Lower	Upper
117	100		
201	64.5	34.1	102.3

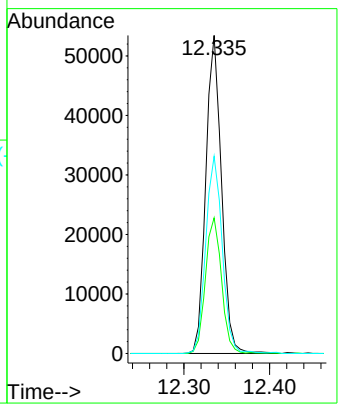




#91
1,2-Dichlorobenzene
Concen: 20.298 ug/l
RT: 12.335 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:146 Resp: 67852

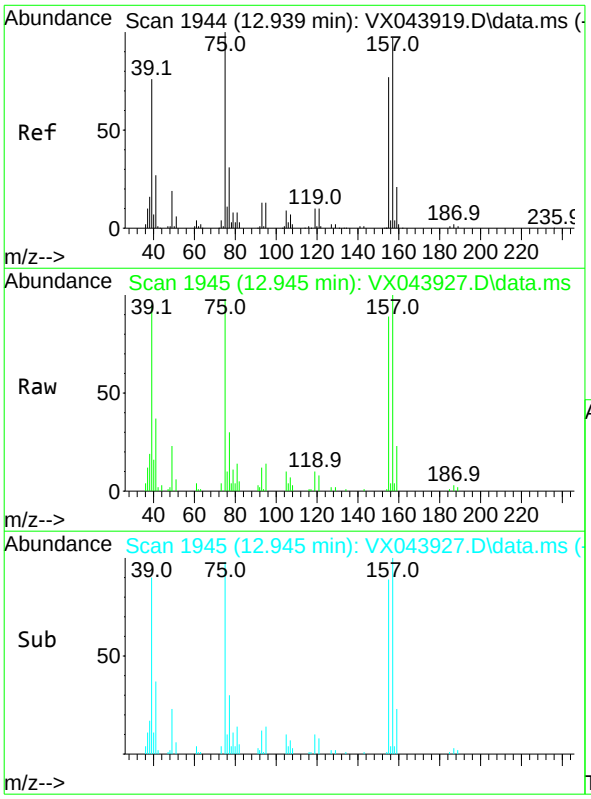
Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.7	65.1
148	65.4	31.6	94.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

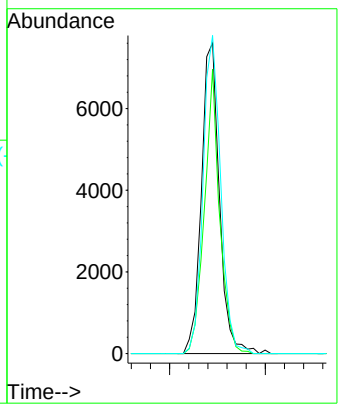
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

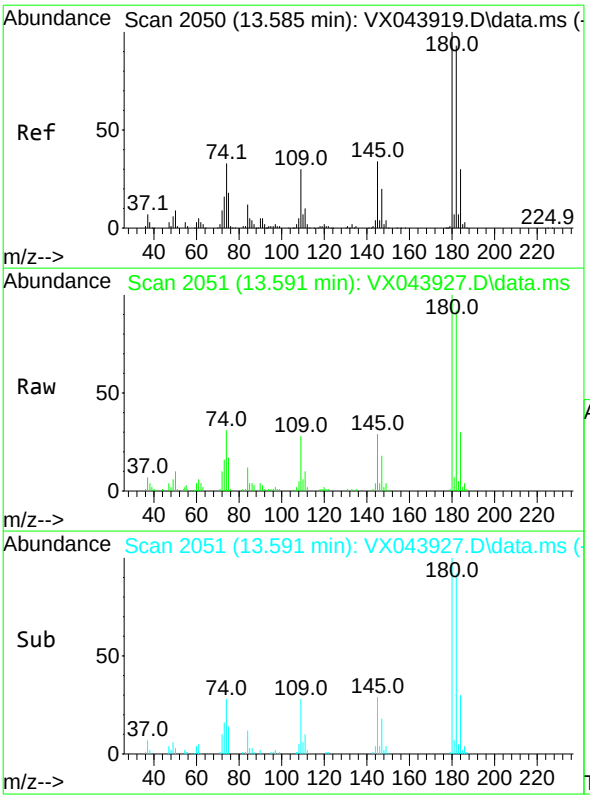


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.259 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

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

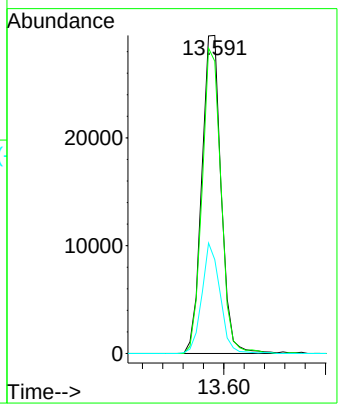




#93
1,2,4-Trichlorobenzene
Concen: 19.894 ug/l
RT: 13.591 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:180 Resp: 38866

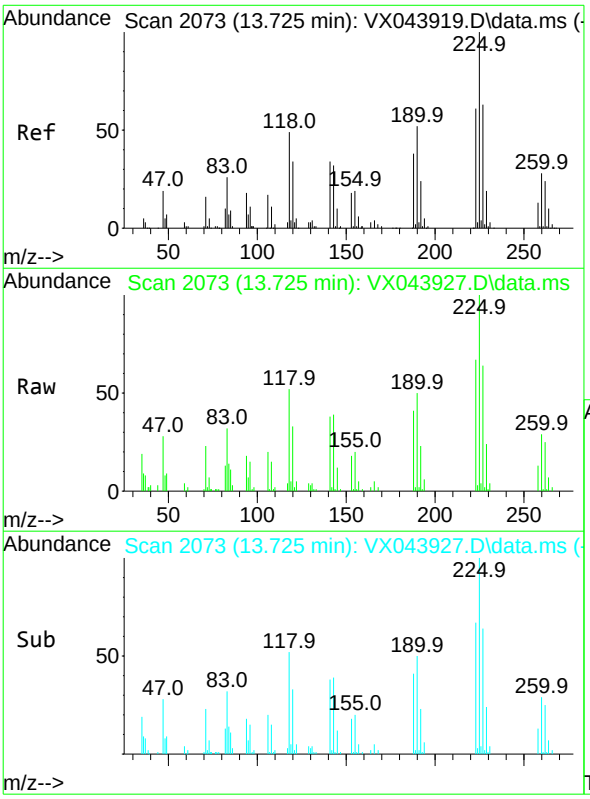
Ion	Ratio	Lower	Upper
180	100		
182	93.9	46.8	140.4
145	32.7	16.4	49.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

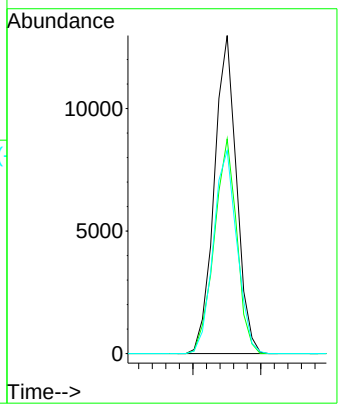
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

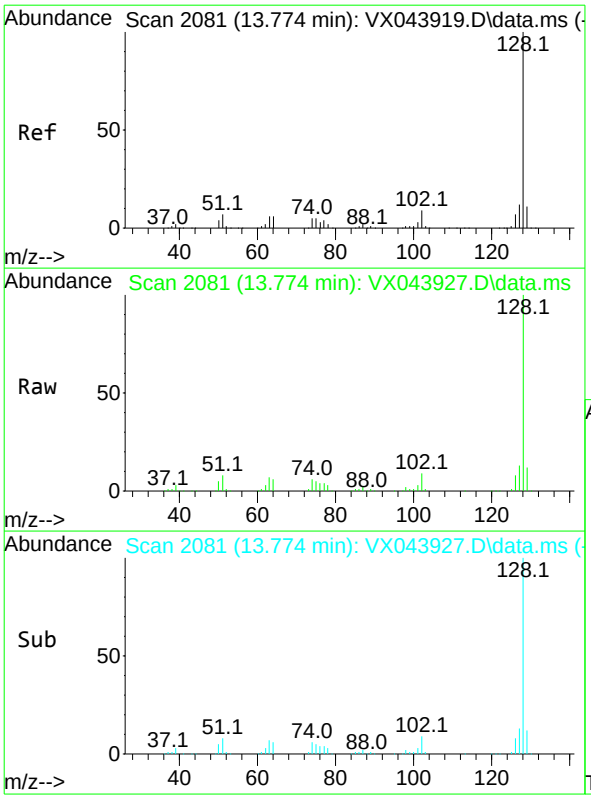


#94
Hexachlorobutadiene
Concen: 18.508 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

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

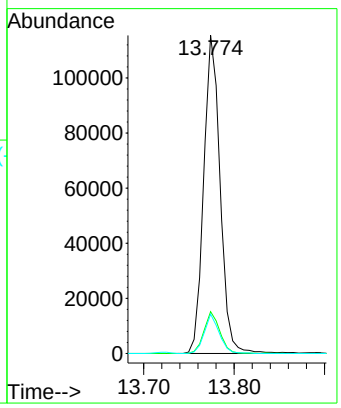




#95
Naphthalene
Concen: 19.999 ug/l
RT: 13.774 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:128 Resp: 145678

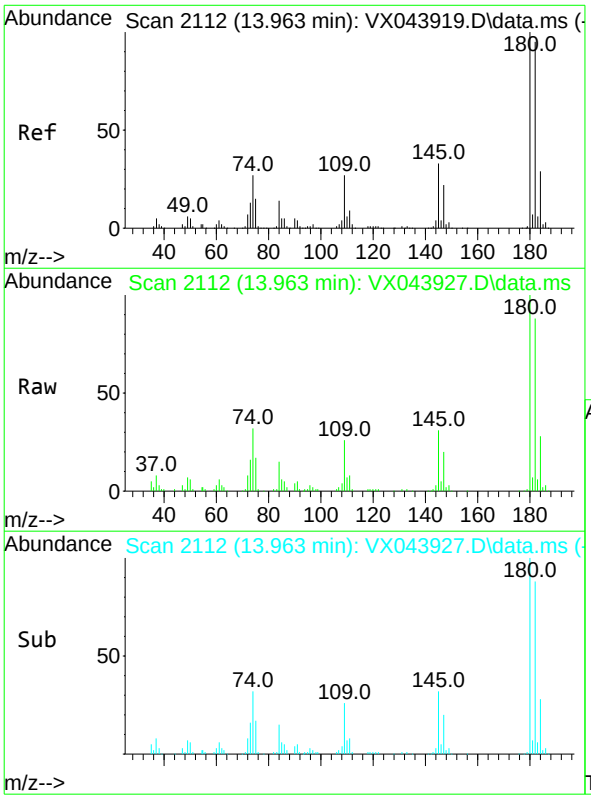
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	11.3	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

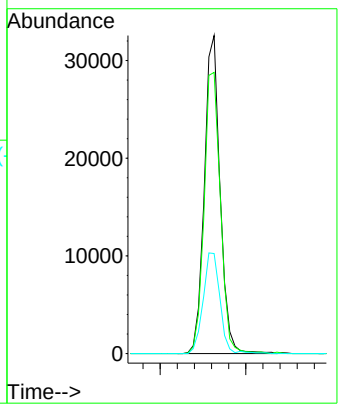
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#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

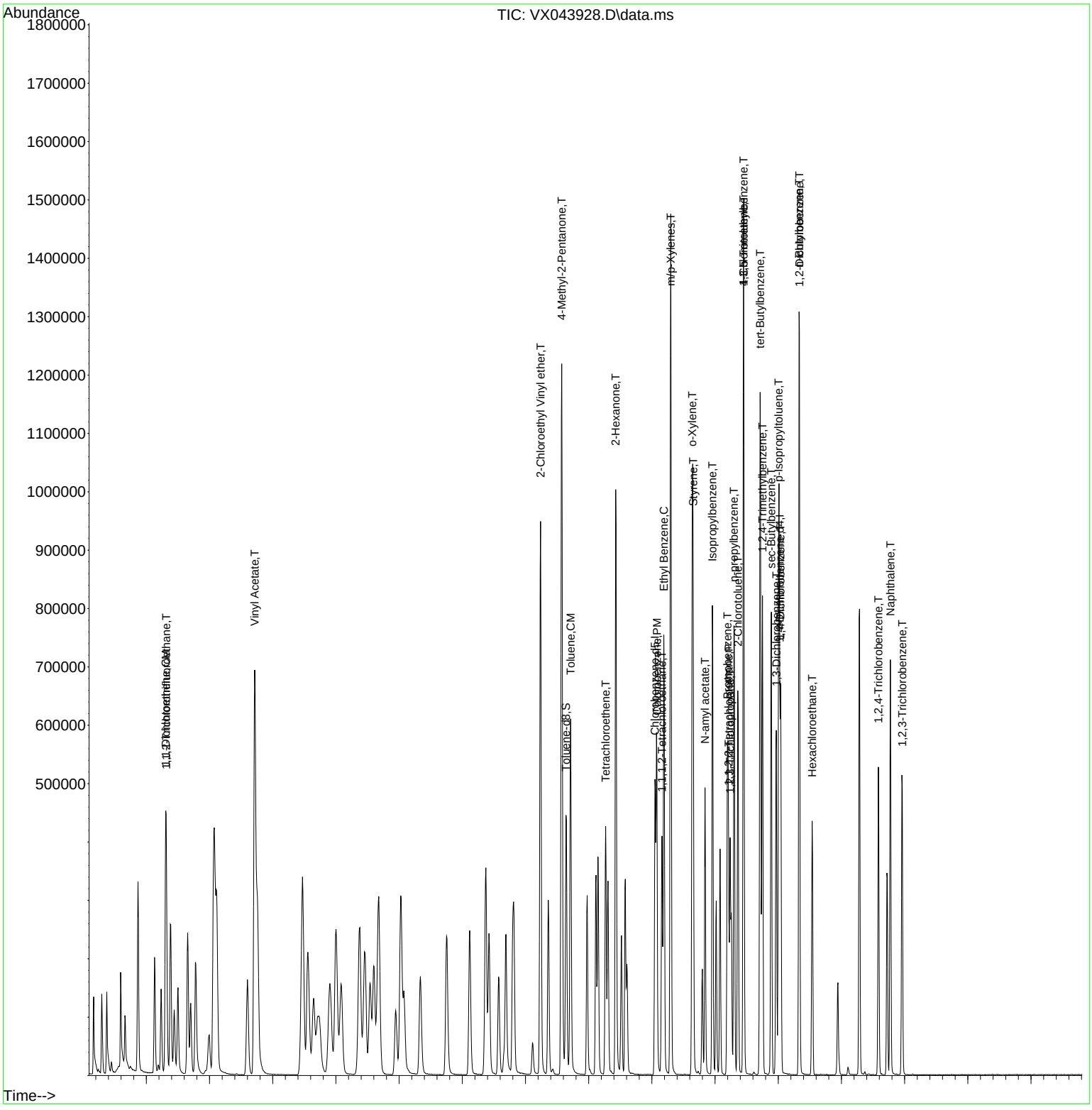
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043928.D
Acq On : 21 Nov 2024 11:17
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

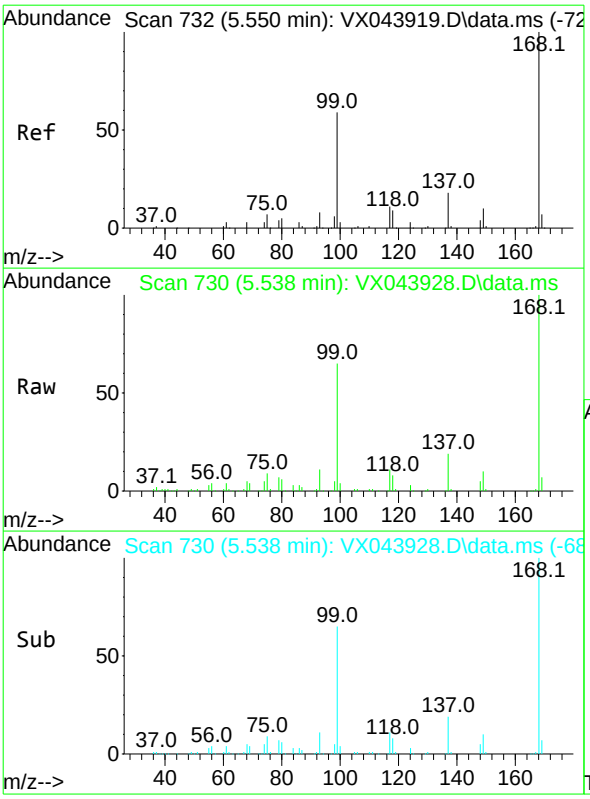
Quant Time: Nov 21 12:14:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 11:25:29 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

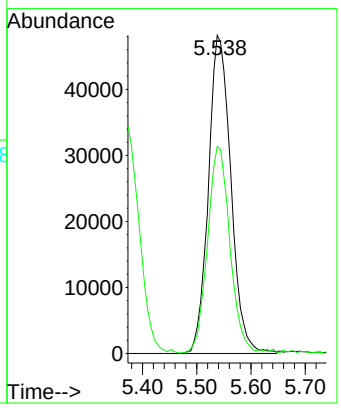




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 73
Delta R.T. -0.012 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:168 Resp: 138578

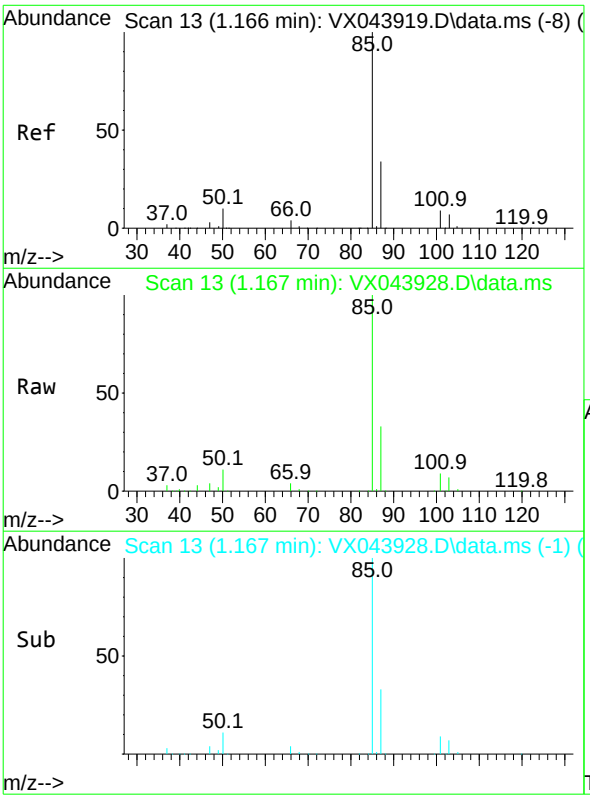
Ion	Ratio	Lower	Upper
168	100		
99	64.8	46.9	70.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

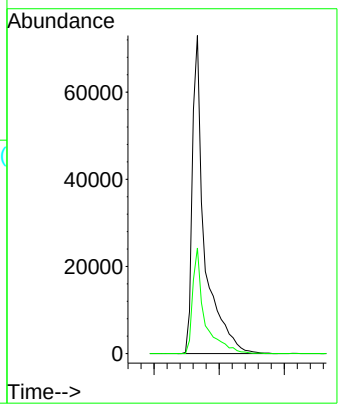
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

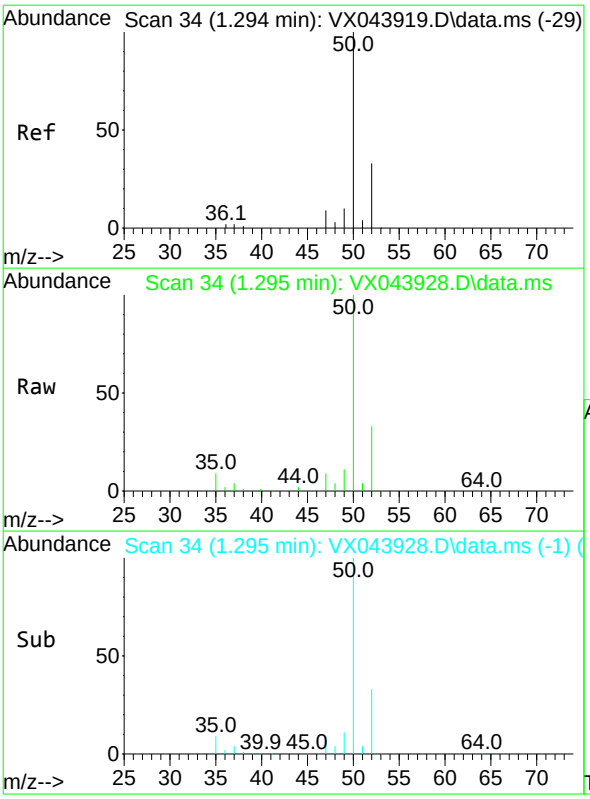


#2
Dichlorodifluoromethane
Concen: 67.600 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 85 Resp: 94790

Ion	Ratio	Lower	Upper
85	100		
87	33.2	17.1	51.2

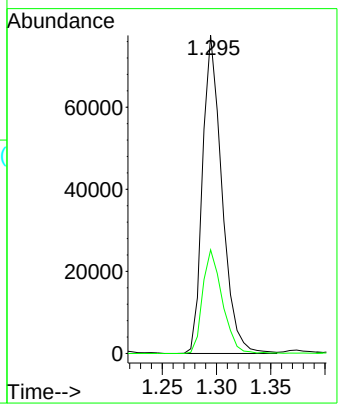




#3
Chloromethane
Concen: 55.148 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 50 Resp: 96646

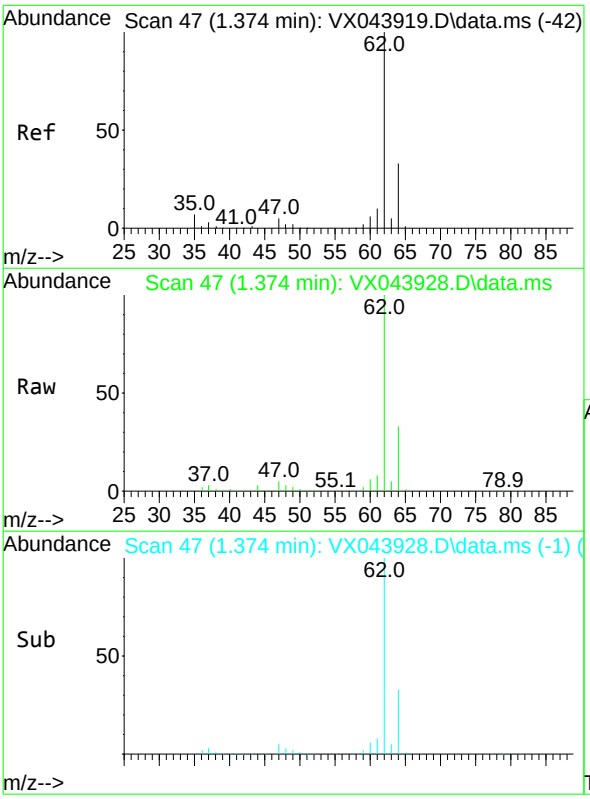
Ion	Ratio	Lower	Upper
50	100		
52	32.6	26.2	39.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

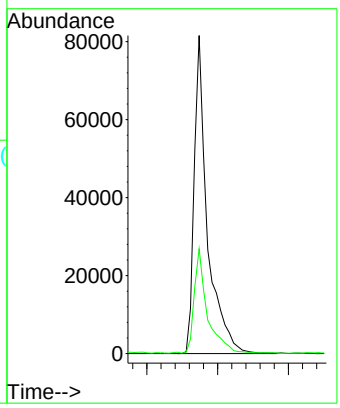
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

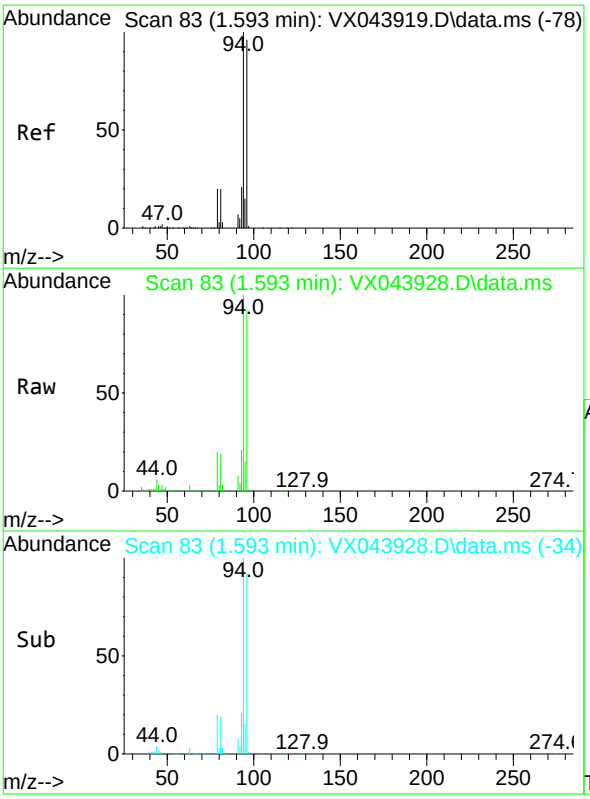


#4
Vinyl Chloride
Concen: 59.966 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 62 Resp: 105586

Ion	Ratio	Lower	Upper
62	100		
64	32.8	26.1	39.1

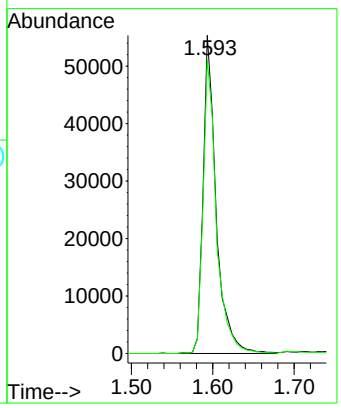




#5
Bromomethane
Concen: 77.177 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 94 Resp: 61728

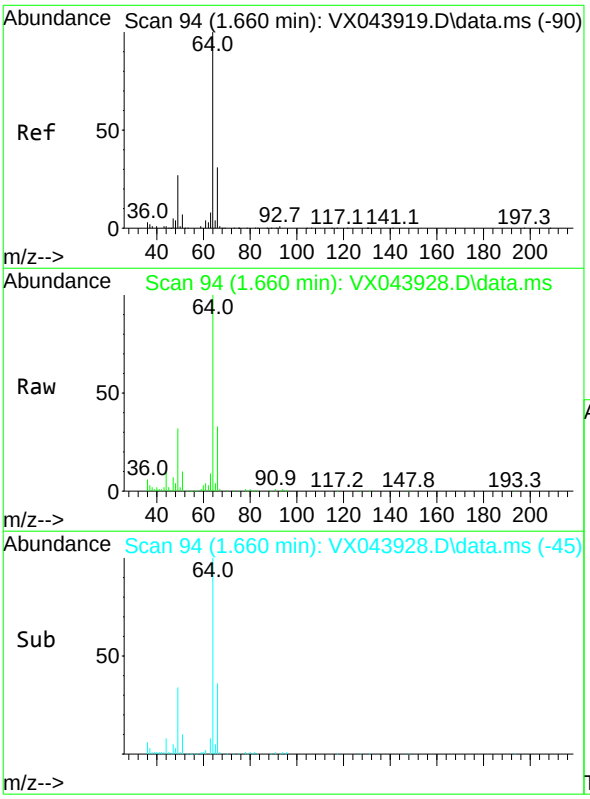
Ion	Ratio	Lower	Upper
94	100		
96	92.4	76.5	114.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

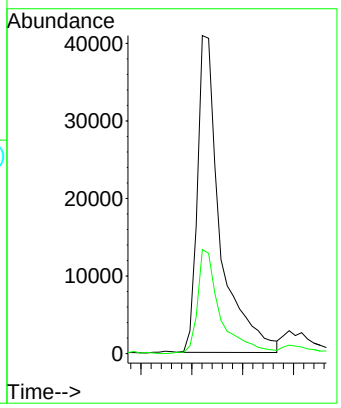
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

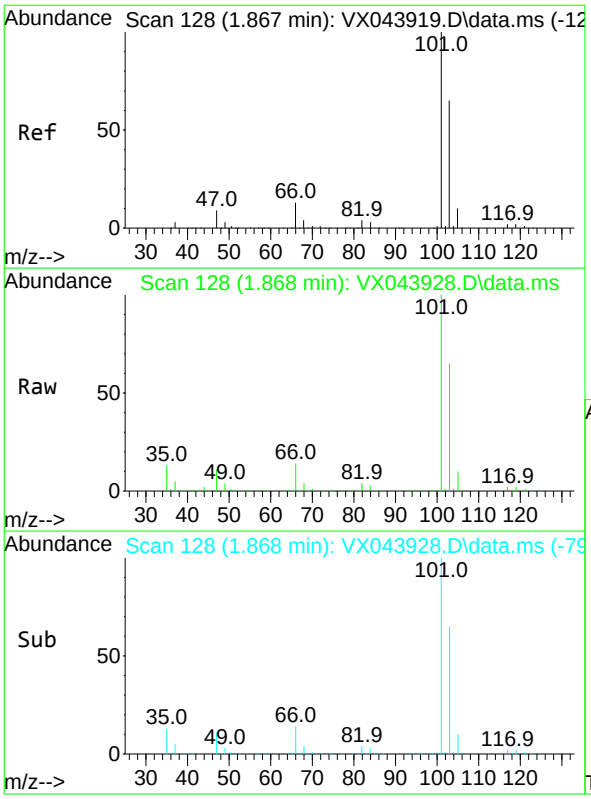


#6
Chloroethane
Concen: 75.594 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 64 Resp: 63580

Ion	Ratio	Lower	Upper
64	100		
66	32.4	24.9	37.3

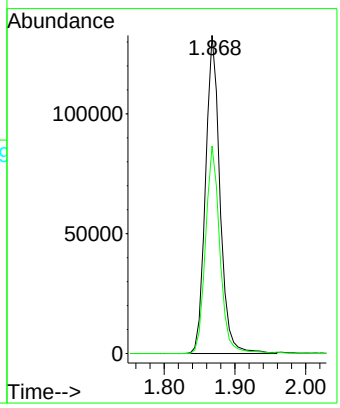




#7
Trichlorofluoromethane
Concen: 74.909 ug/l
RT: 1.868 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:101 Resp: 188045

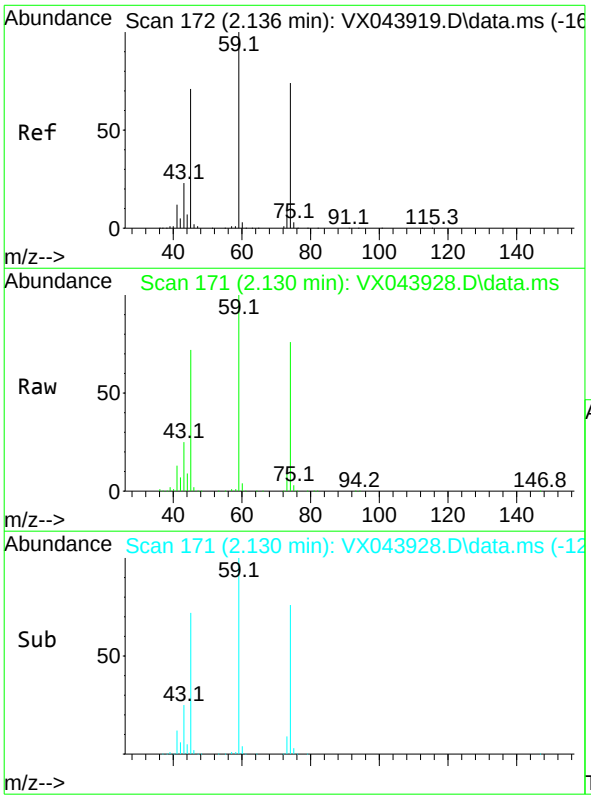
Ion	Ratio	Lower	Upper
101	100		
103	65.2	52.2	78.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

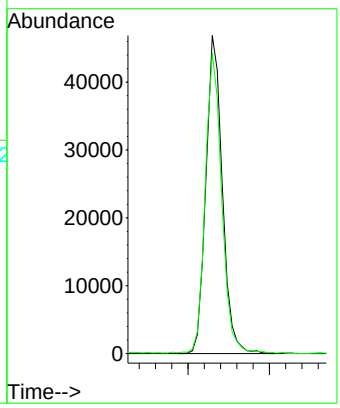
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

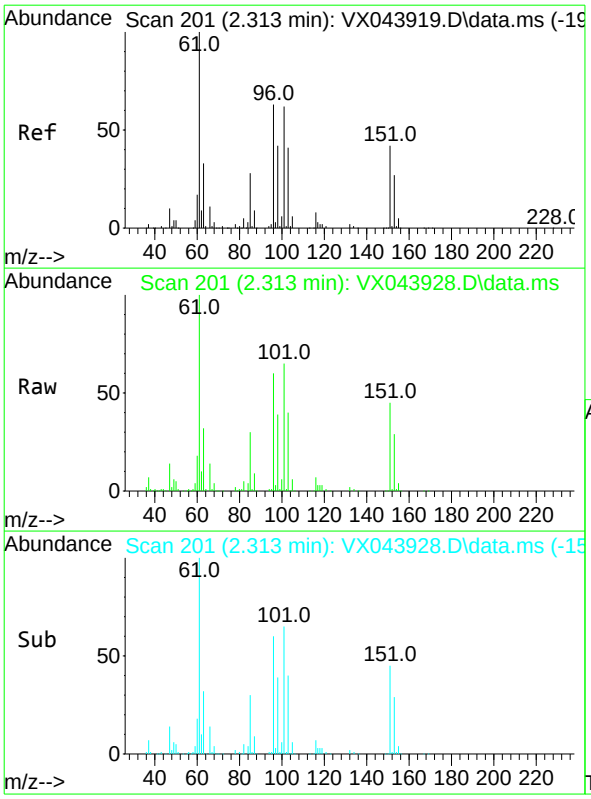


#8
Diethyl Ether
Concen: 69.383 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 74 Resp: 65665

Ion	Ratio	Lower	Upper
74	100		
45	95.7	49.9	149.6

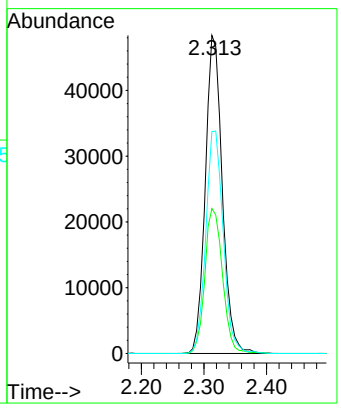




#9
1,1,2-Trichlorotrifluoroethane
Concen: 61.367 ug/l
RT: 2.313 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:101 Resp: 91167

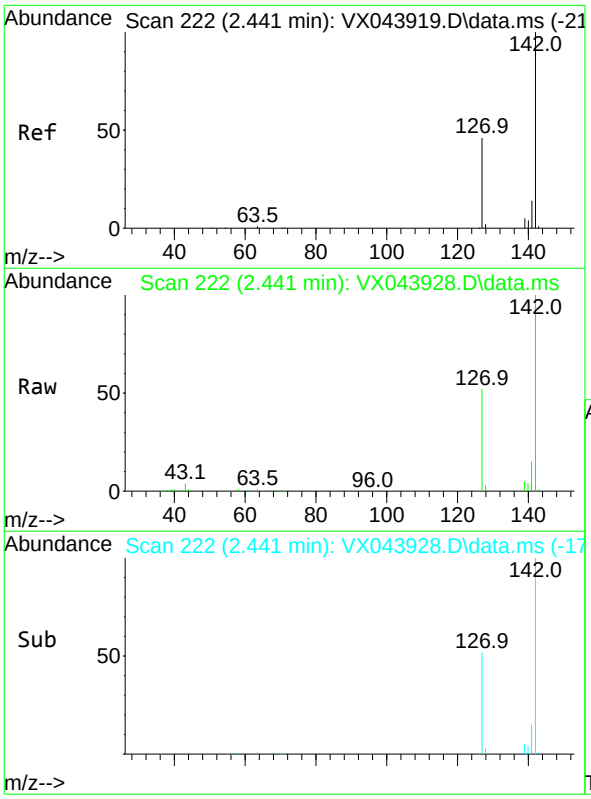
Ion	Ratio	Lower	Upper
101	100		
85	47.4	36.6	54.8
151	71.9	59.8	89.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

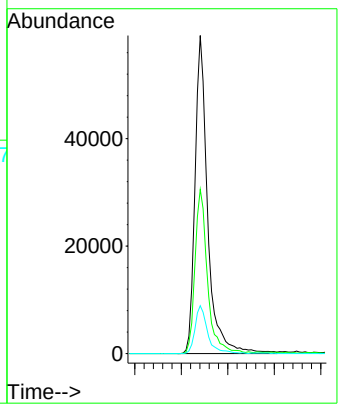
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

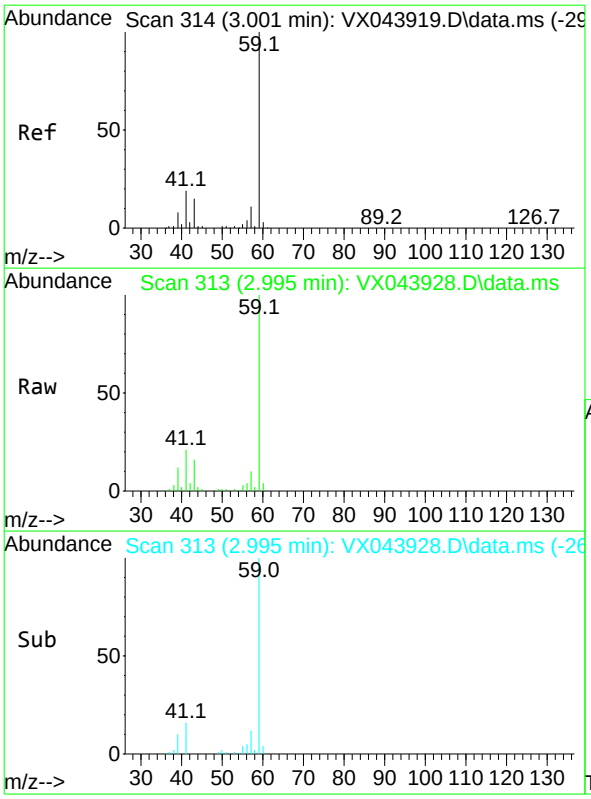


#10
Methyl Iodide
Concen: 53.608 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

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

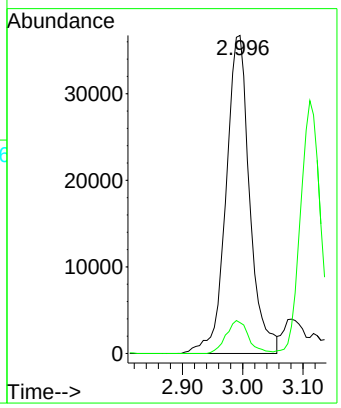




#11
Tert butyl alcohol
Concen: 295.821 ug/l
RT: 2.995 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 59 Resp: 100130

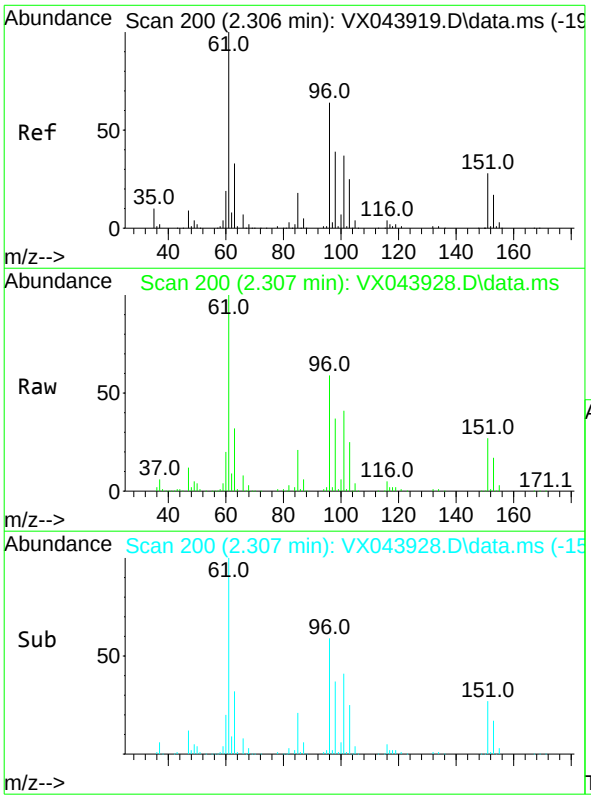
Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.2	12.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

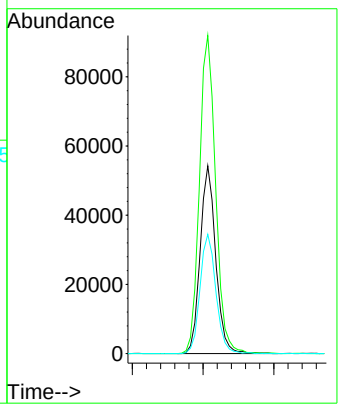
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

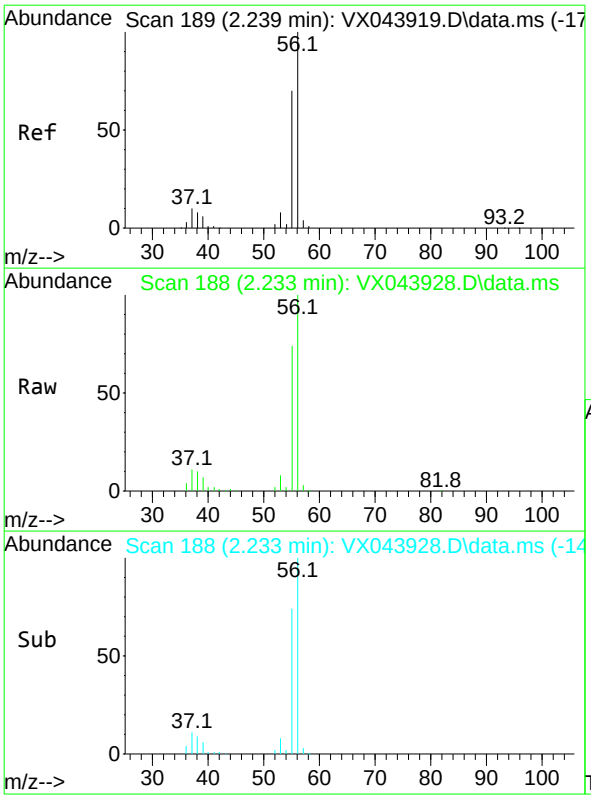


#12
1,1-Dichloroethene
Concen: 57.625 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

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

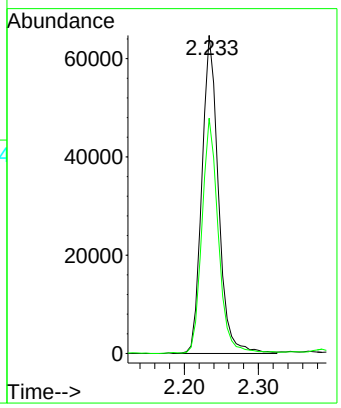




#13
Acrolein
Concen: 265.136 ug/l
RT: 2.233 min Scan# 18
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 56 Resp: 100647

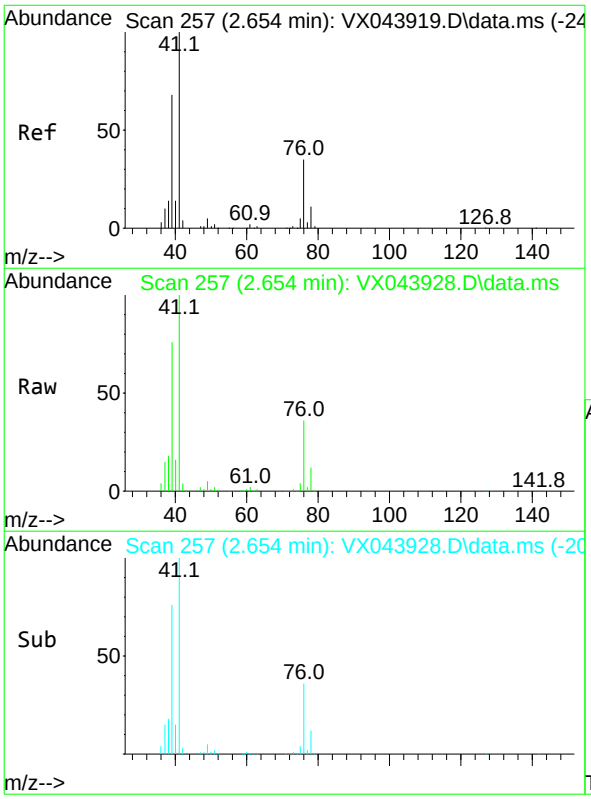
Ion	Ratio	Lower	Upper
56	100		
55	72.7	56.1	84.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

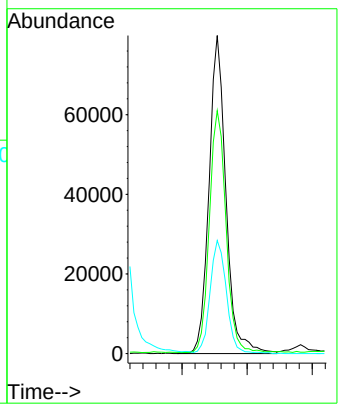
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

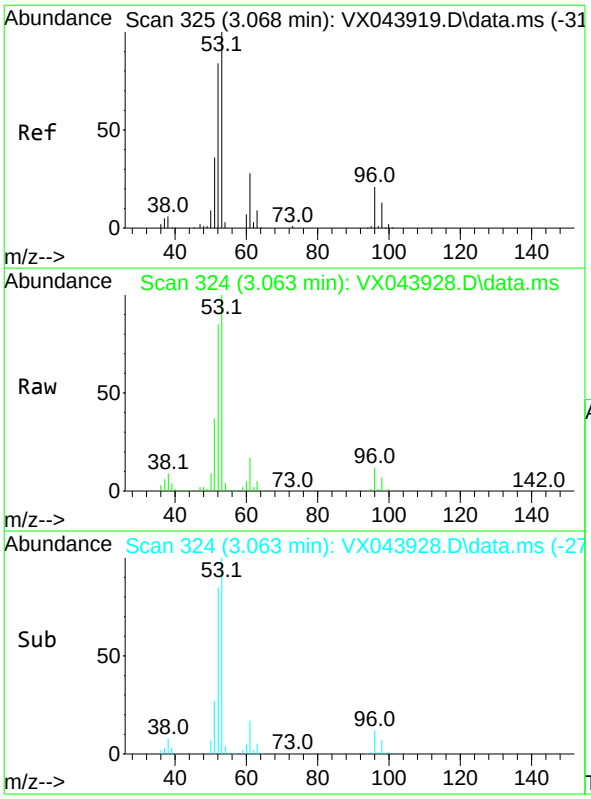


#14
Allyl chloride
Concen: 61.883 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

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

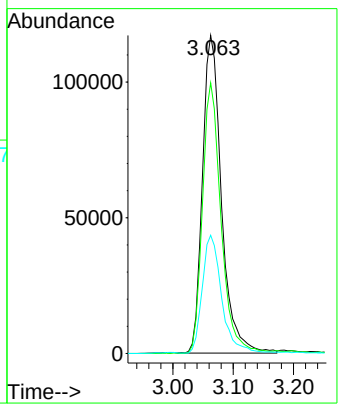
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

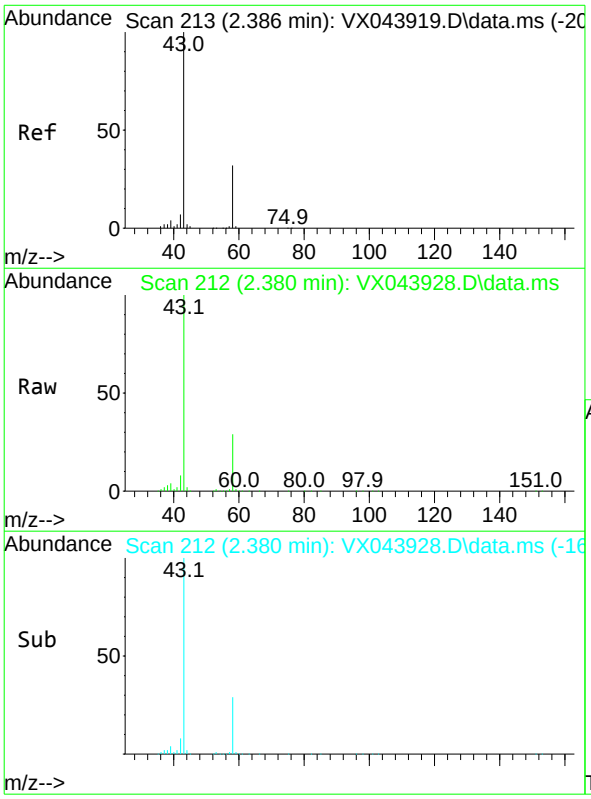
Tgt Ion: 53 Resp: 256493

Ion	Ratio	Lower	Upper
53	100		
52	83.1	65.8	98.8
51	37.8	28.6	42.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

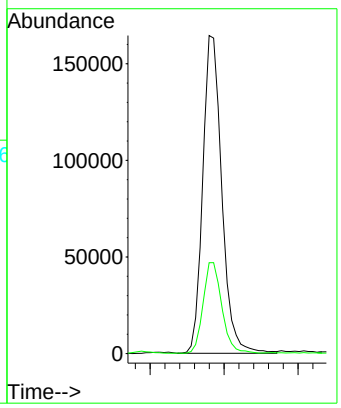


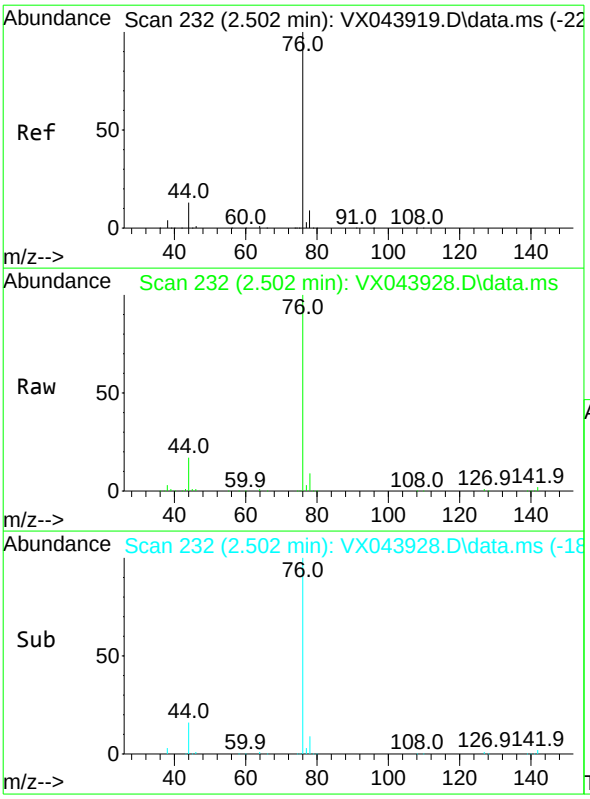


#16
Acetone
Concen: 344.605 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 43 Resp: 294611

Ion	Ratio	Lower	Upper
43	100		
58	28.4	25.8	38.6

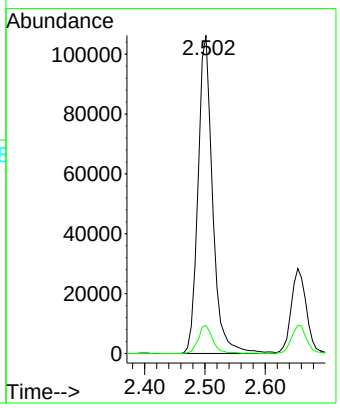




#17
Carbon Disulfide
Concen: 56.633 ug/l
RT: 2.502 min Scan# 23
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 76 Resp: 178294

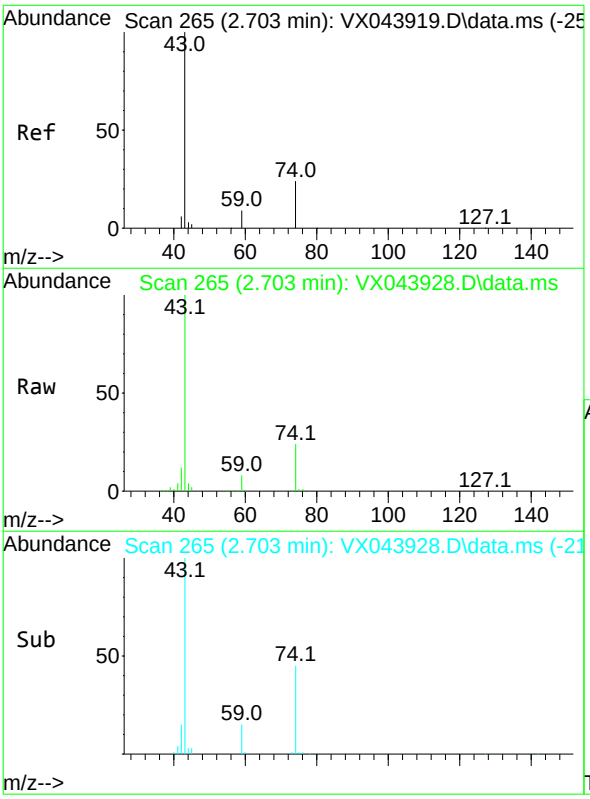
Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.3	10.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

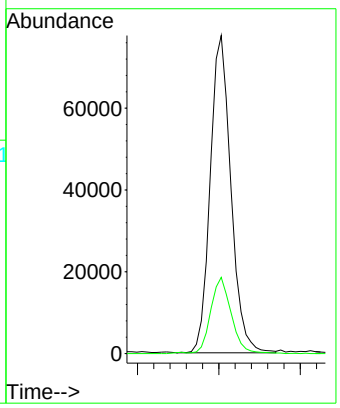
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

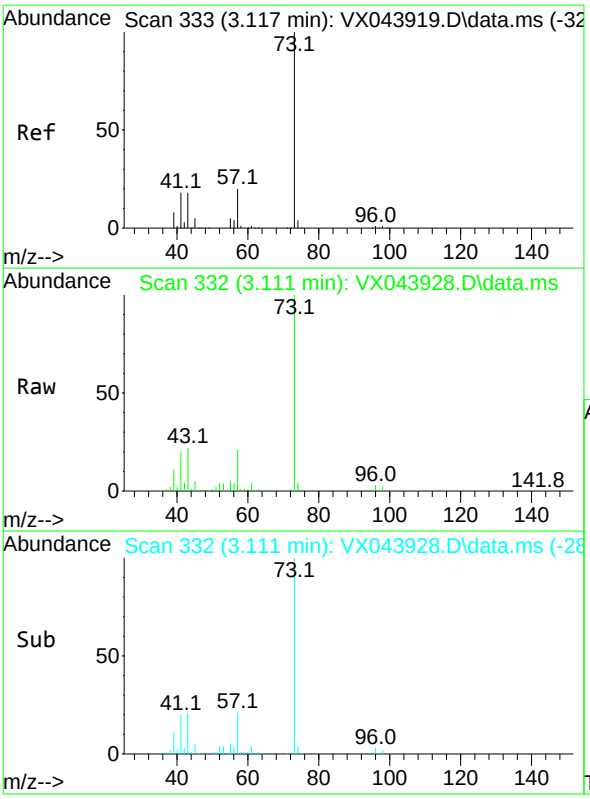


#18
Methyl Acetate
Concen: 58.404 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 43 Resp: 136735

Ion	Ratio	Lower	Upper
43	100		
74	23.6	20.1	30.1

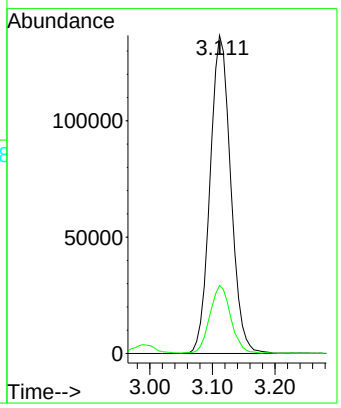




#19
Methyl tert-butyl Ether
Concen: 58.872 ug/l
RT: 3.111 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 73 Resp: 313754

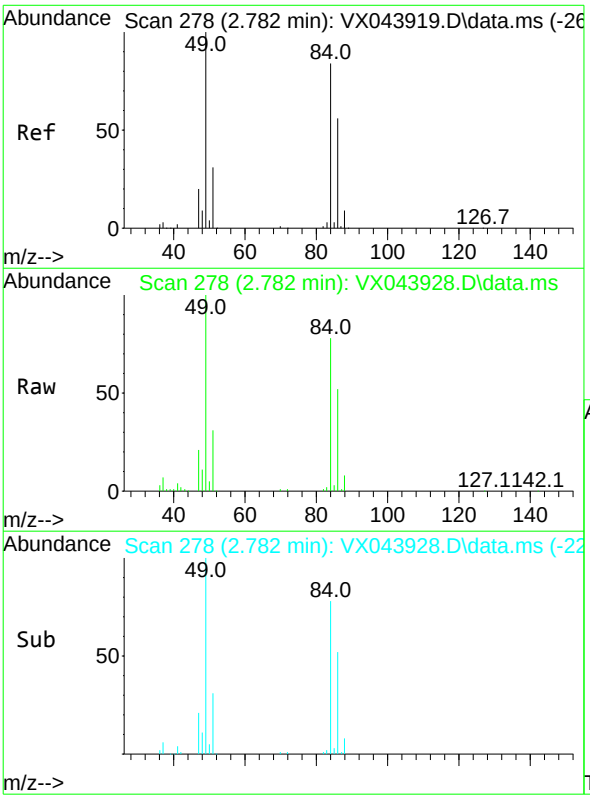
Ion	Ratio	Lower	Upper
73	100		
57	21.3	16.4	24.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

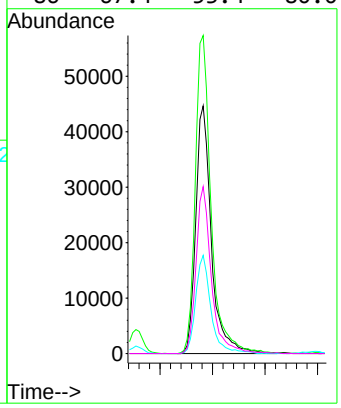
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

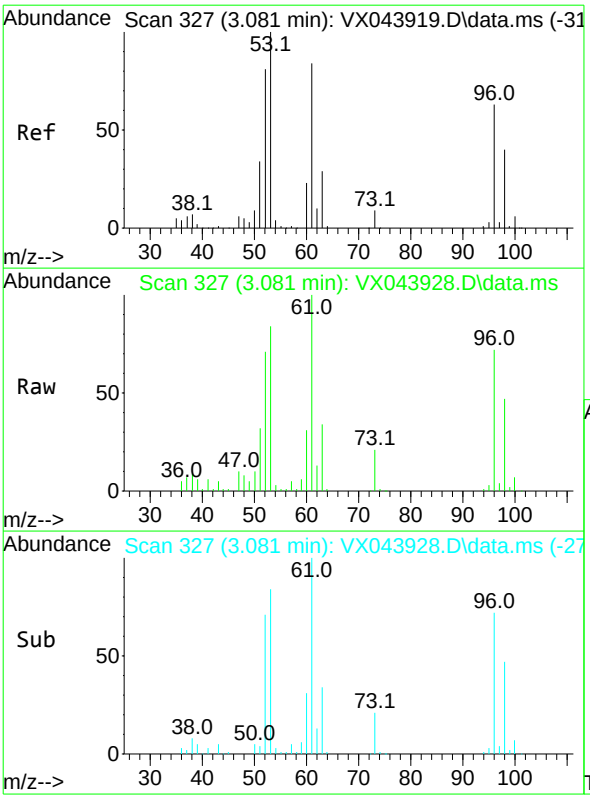


#20
Methylene Chloride
Concen: 51.676 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

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

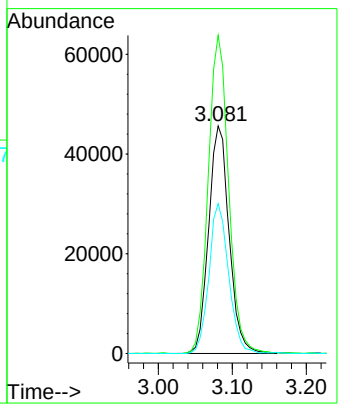




#21
trans-1,2-Dichloroethene
Concen: 55.825 ug/l
RT: 3.081 min Scan# 32
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 96 Resp: 87752

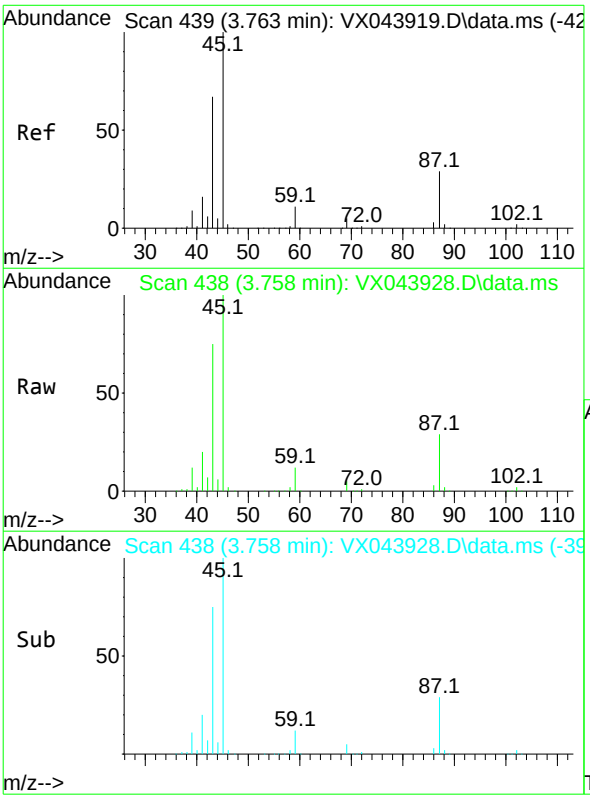
Ion	Ratio	Lower	Upper
96	100		
61	139.7	106.4	159.6
98	65.9	50.9	76.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

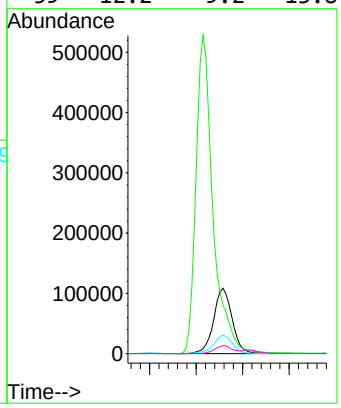
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

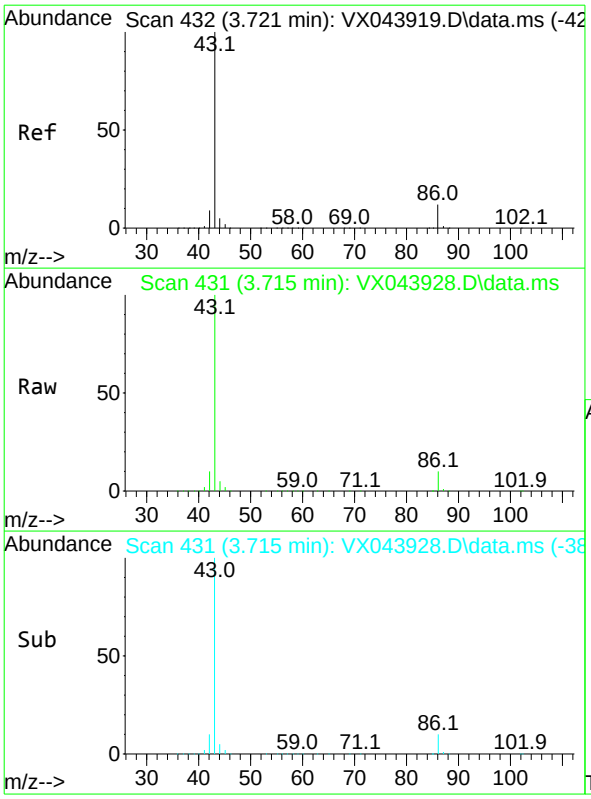


#22
Diisopropyl ether
Concen: 58.668 ug/l
RT: 3.758 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

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

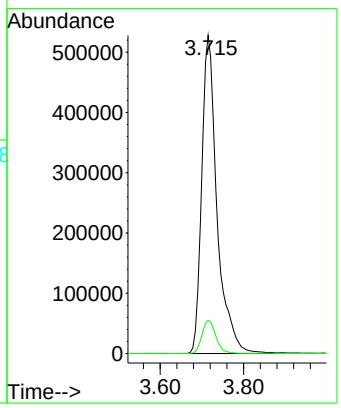




#23
Vinyl Acetate
Concen: 324.875 ug/l
RT: 3.715 min Scan# 43
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 43 Resp: 1344870

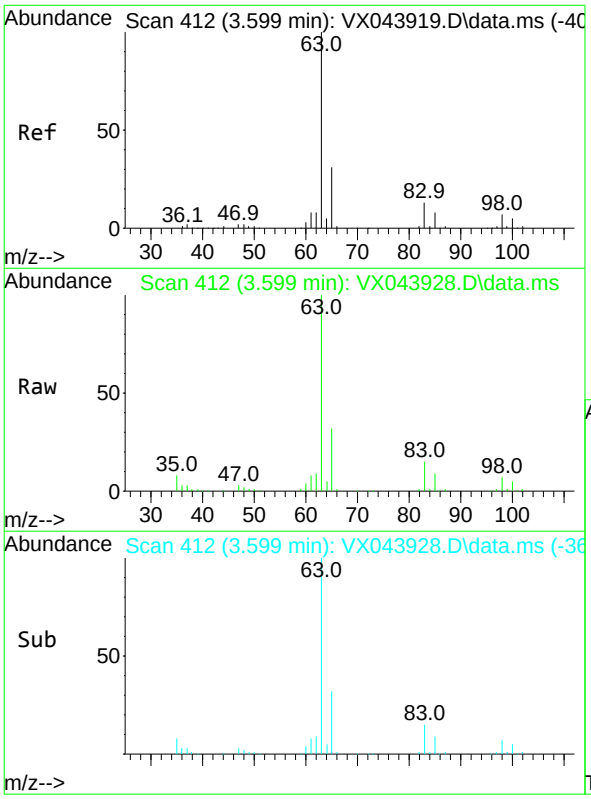
Ion	Ratio	Lower	Upper
43	100		
86	10.4	9.4	14.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

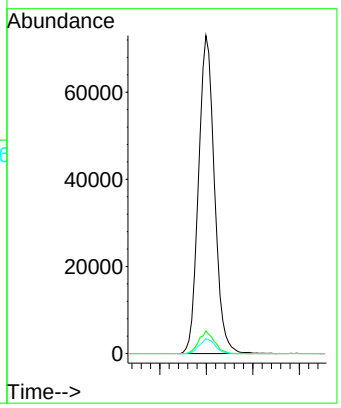
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

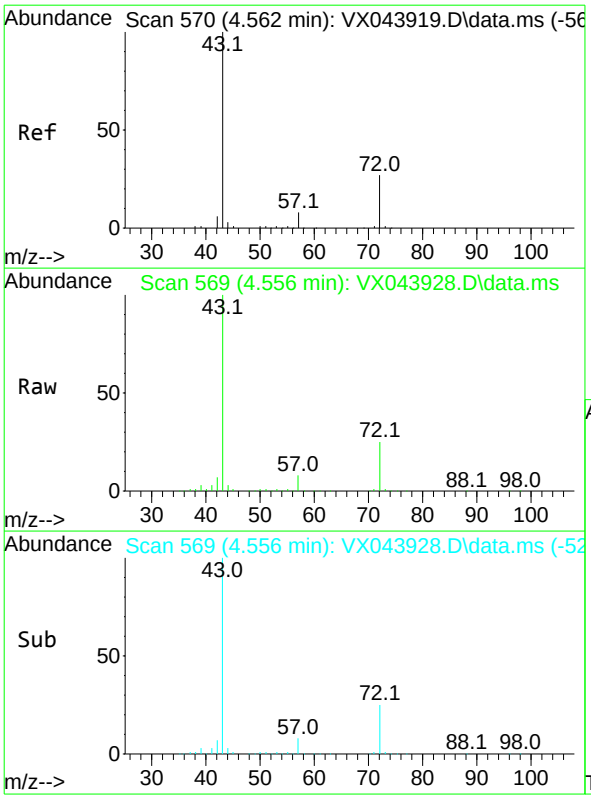


#24
1,1-Dichloroethane
Concen: 57.932 ug/l
RT: 3.599 min Scan# 412
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

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

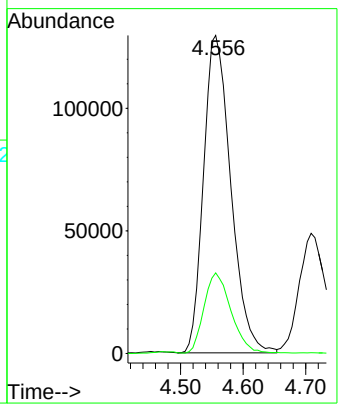




#25
2-Butanone
Concen: 328.247 ug/l
RT: 4.556 min Scan# 56
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 43 Resp: 392575

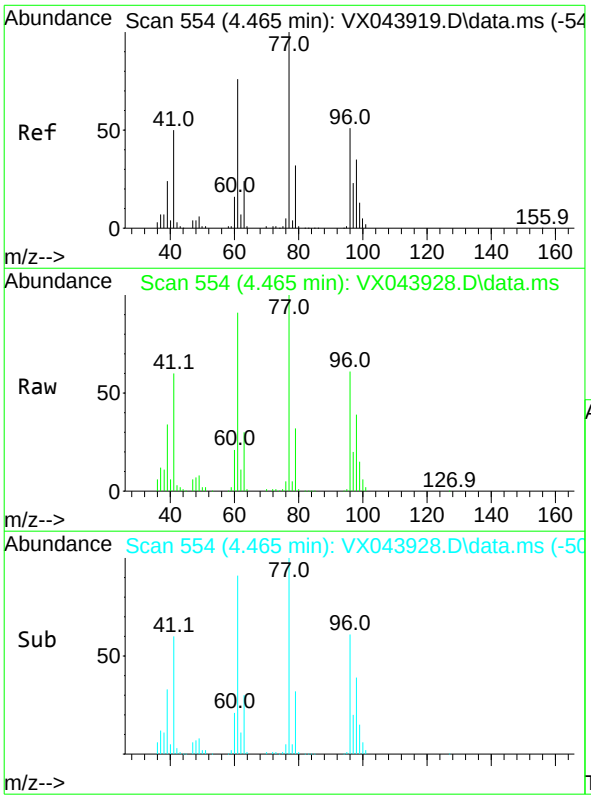
Ion	Ratio	Lower	Upper
43	100		
72	25.2	21.3	31.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

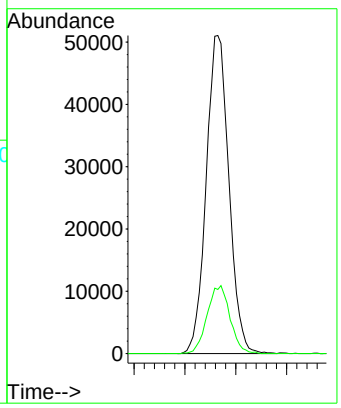
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

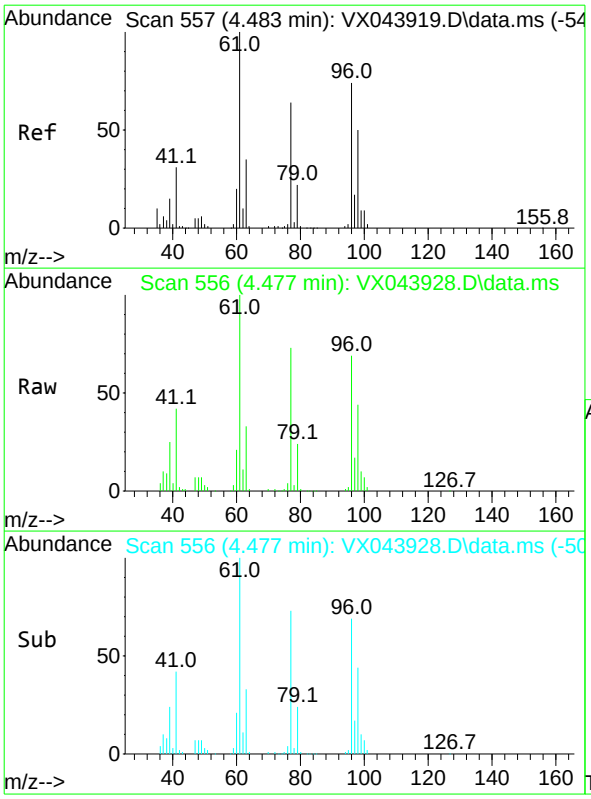


#26
2,2-Dichloropropane
Concen: 64.072 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

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

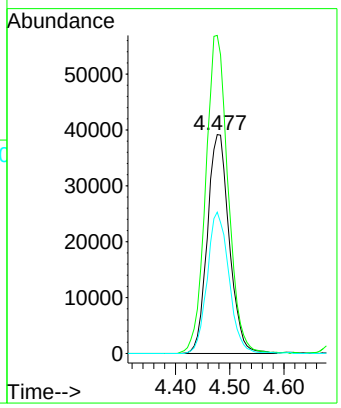
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

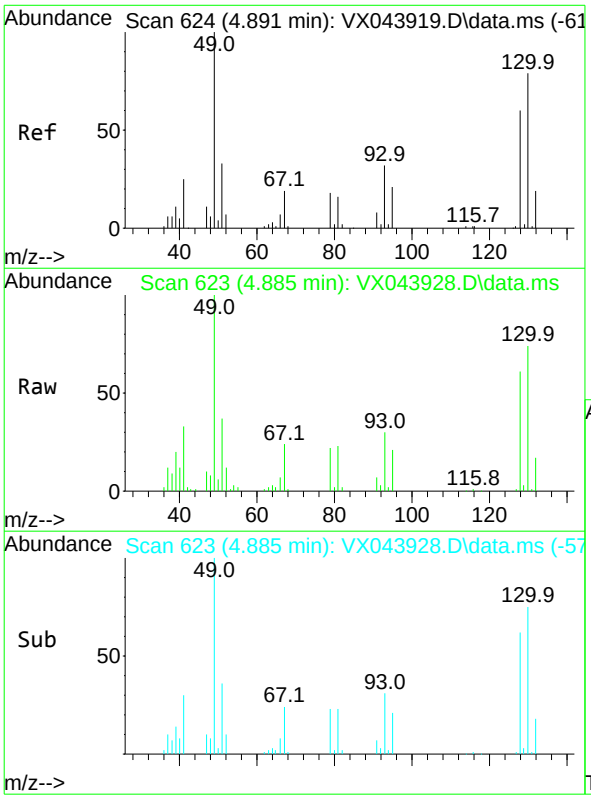
Tgt Ion: 96 Resp: 109742

Ion	Ratio	Lower	Upper
96	100		
61	148.7	0.0	279.4
98	63.9	0.0	131.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

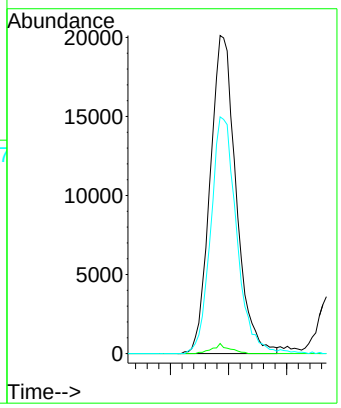


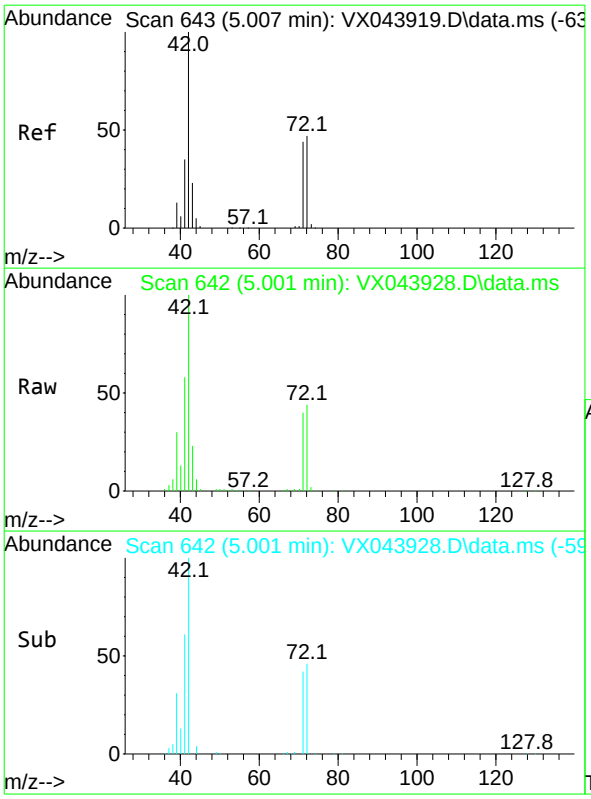


#28
Bromochloromethane
Concen: 49.360 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

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

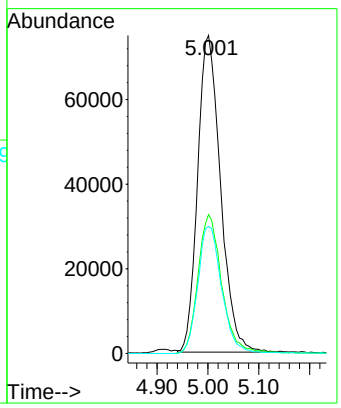




#29
Tetrahydrofuran
Concen: 303.060 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 42 Resp: 234208

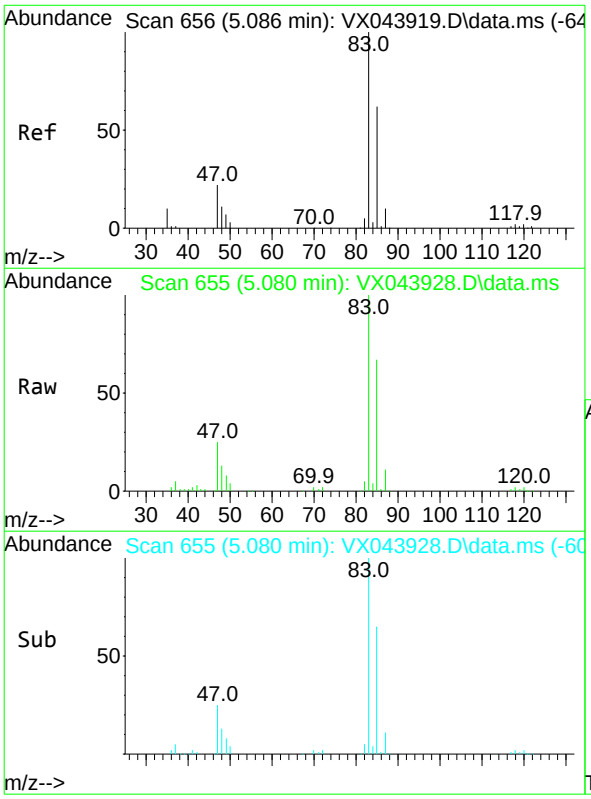
Ion	Ratio	Lower	Upper
42	100		
72	45.5	37.9	56.9
71	41.7	34.8	52.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

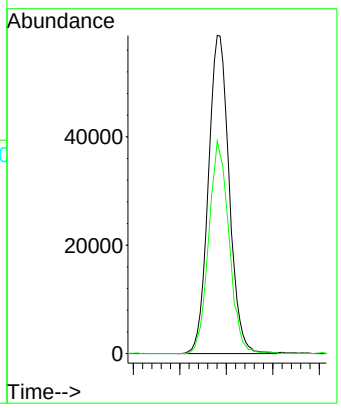
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

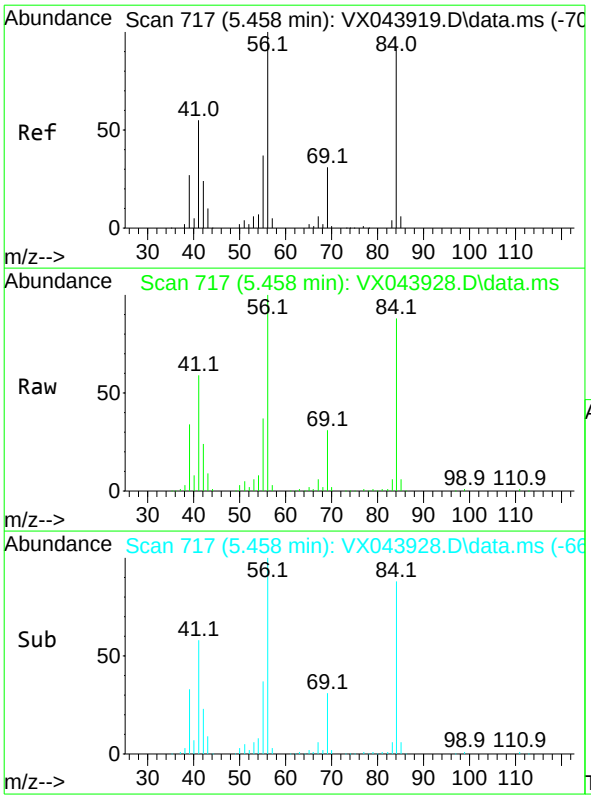


#30
Chloroform
Concen: 58.257 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

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

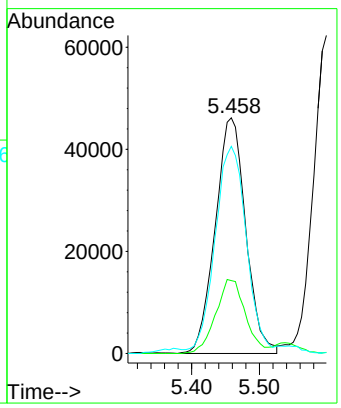
Tgt Ion: 56 Resp: 144224

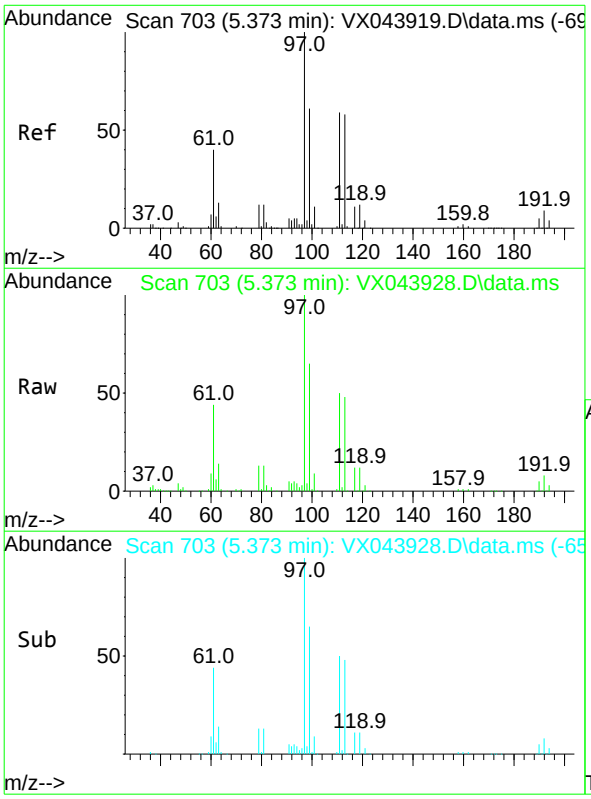
Ion	Ratio	Lower	Upper
56	100		
69	30.9	24.9	37.3
84	85.9	73.8	110.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

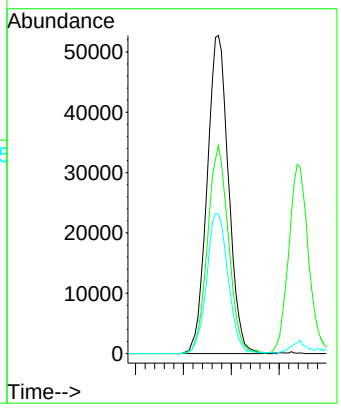


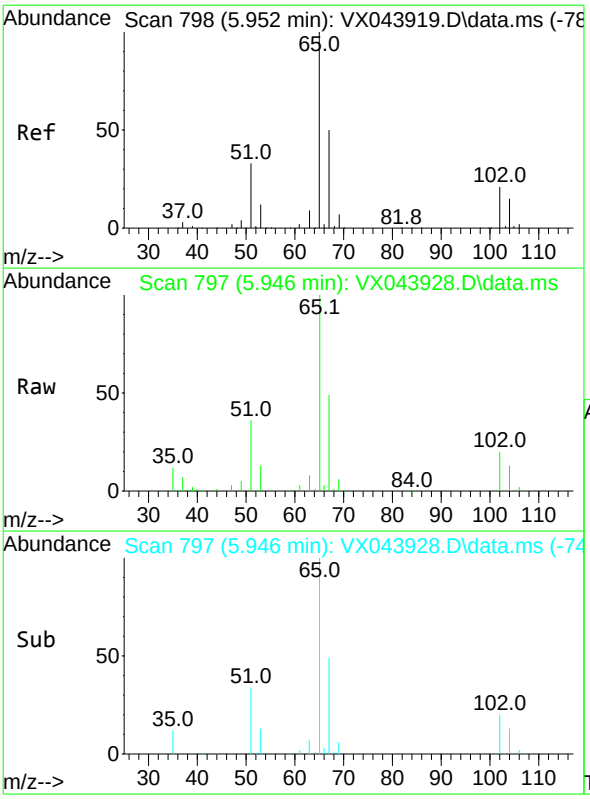


#32
1,1,1-Trichloroethane
Concen: 61.280 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

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

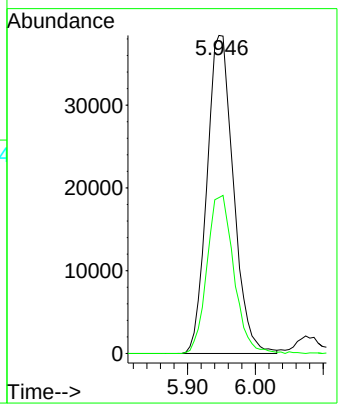




#33
1,2-Dichloroethane-d4
Concen: 48.899 ug/l
RT: 5.946 min Scan# 79
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 65 Resp: 104086

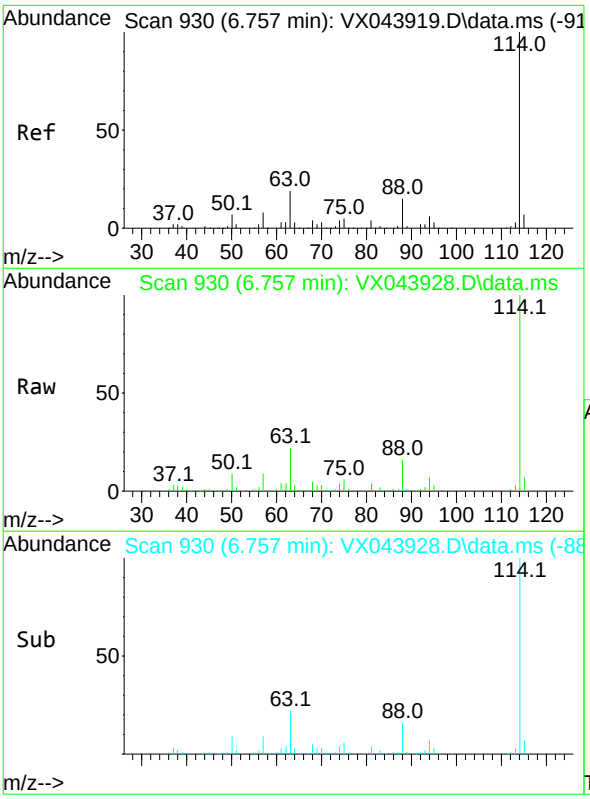
Ion	Ratio	Lower	Upper
65	100		
67	50.4	0.0	103.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

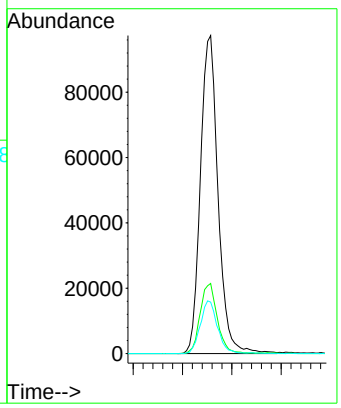
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

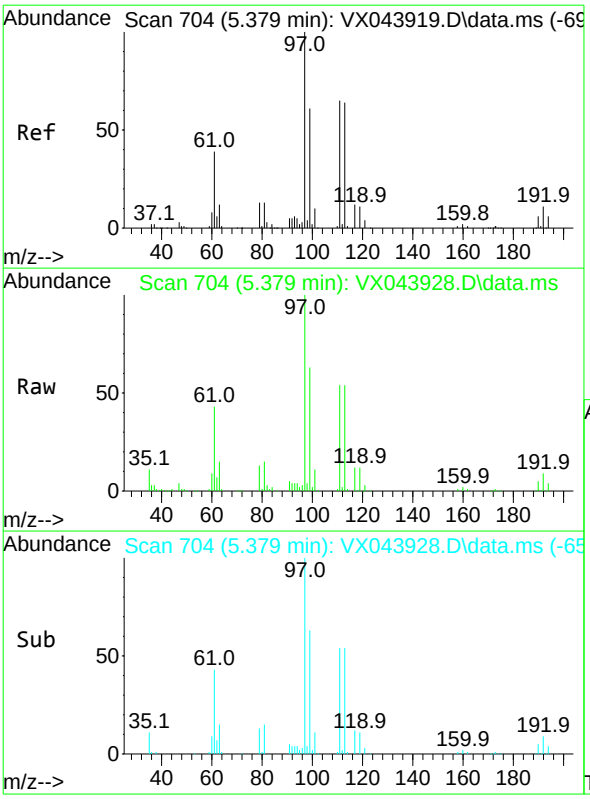


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

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

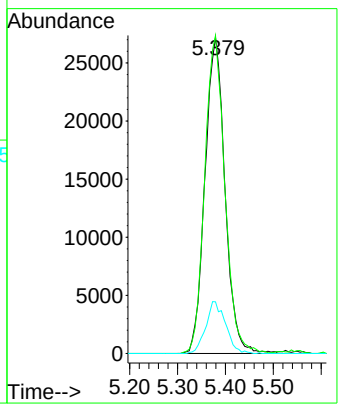
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

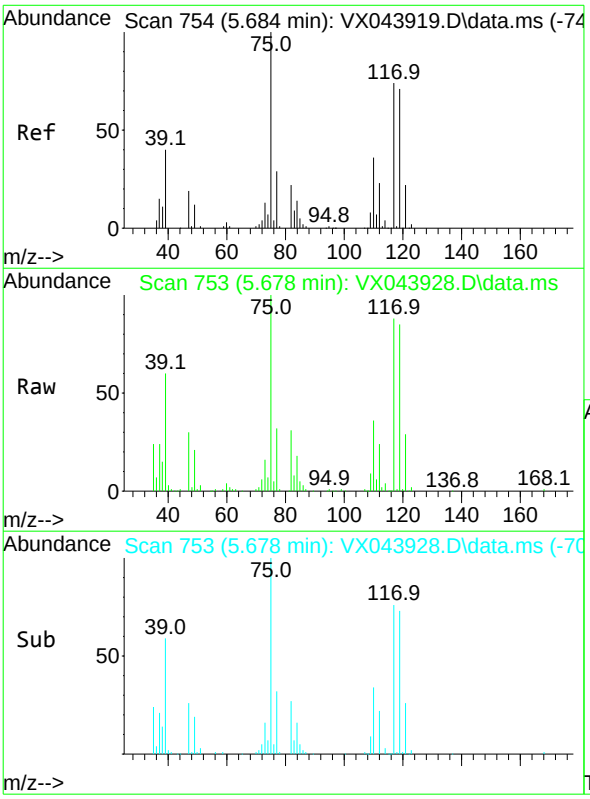
Tgt Ion:113 Resp: 78954

Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.0	121.6
192	16.3	14.2	21.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

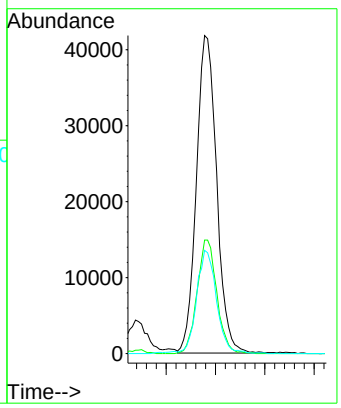


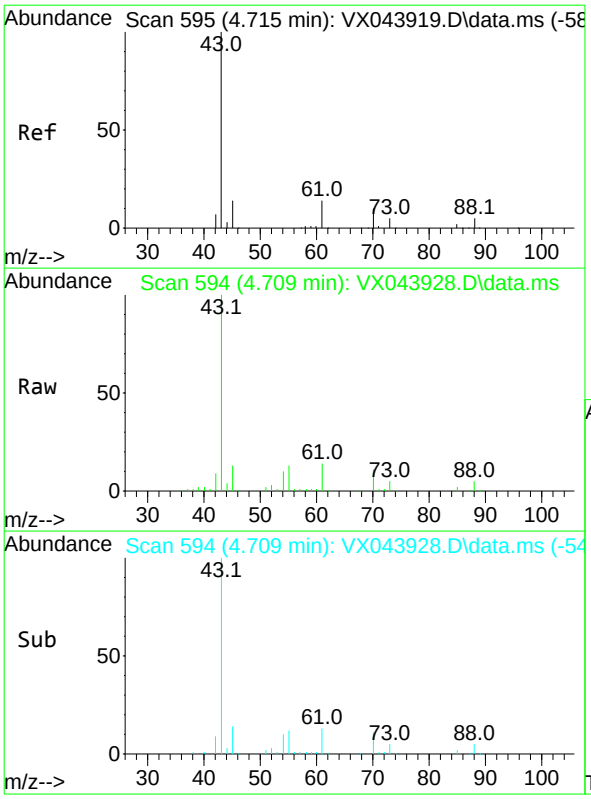


#36
1,1-Dichloropropene
Concen: 58.983 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

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

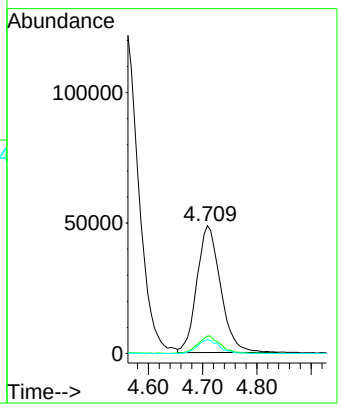




#37
Ethyl Acetate
Concen: 64.767 ug/l
RT: 4.709 min Scan# 59
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 43 Resp: 147393

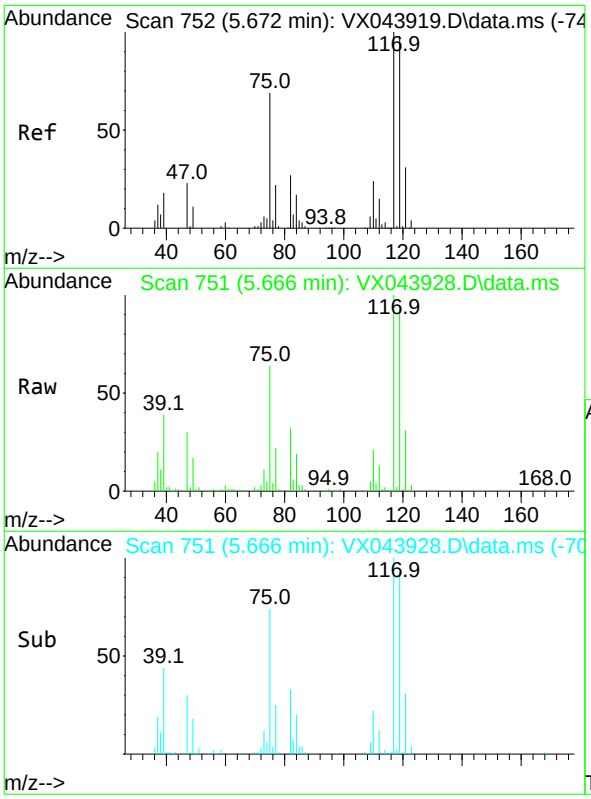
Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.5	17.3
70	10.0	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

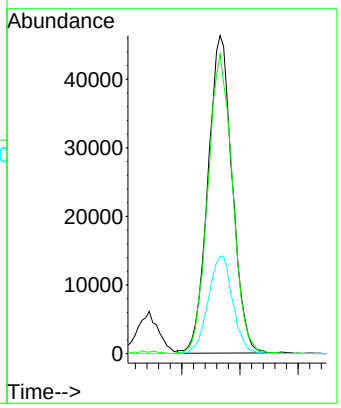
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

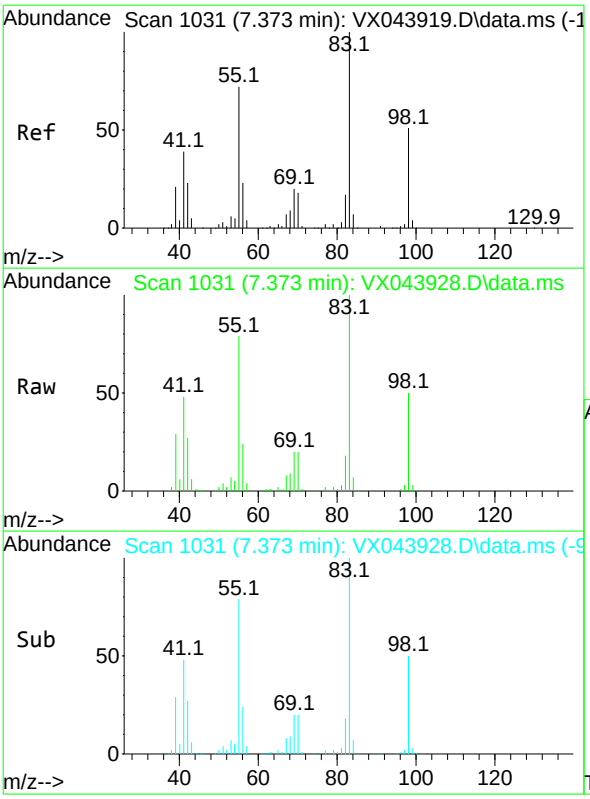


#38
Carbon Tetrachloride
Concen: 62.932 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

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

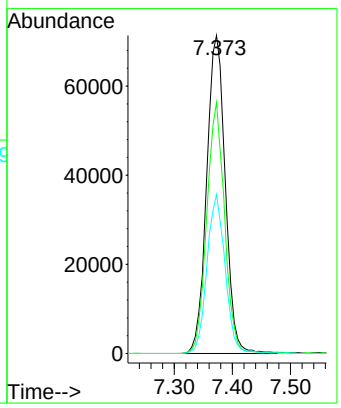




#39
Methylcyclohexane
Concen: 62.647 ug/l
RT: 7.373 min Scan# 10
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 83 Resp: 158586

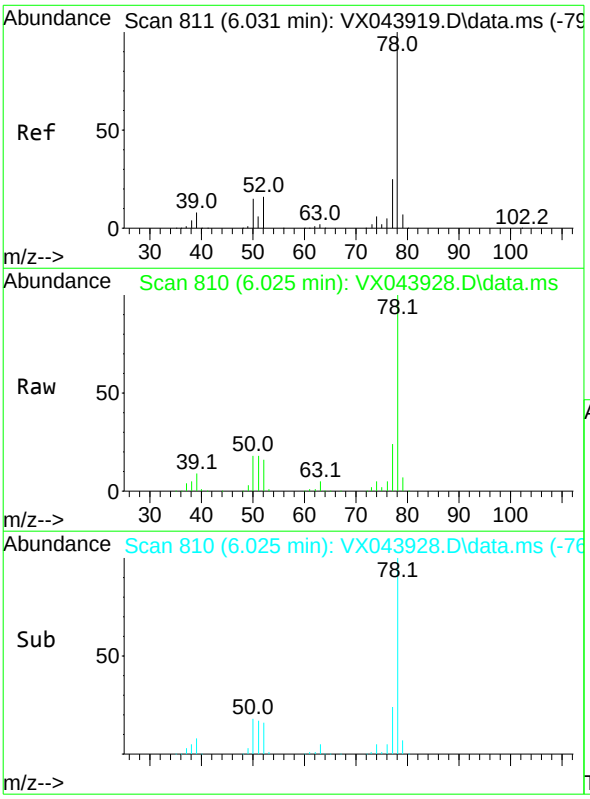
Ion	Ratio	Lower	Upper
83	100		
55	78.9	57.9	86.9
98	50.0	40.5	60.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

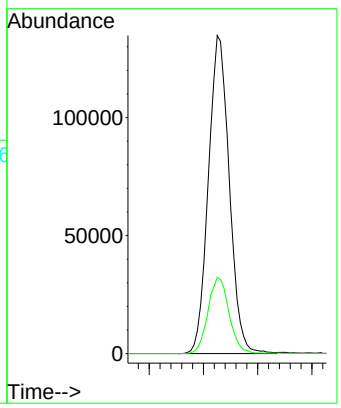
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

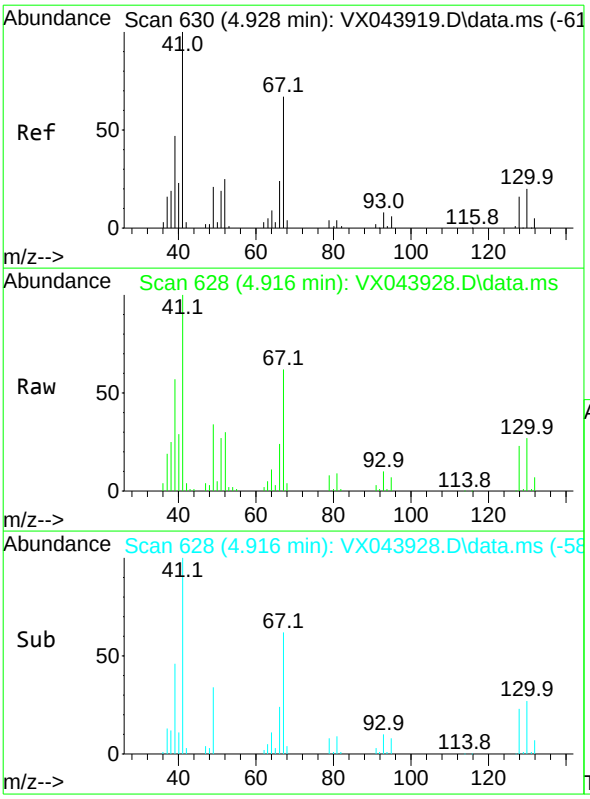


#40
Benzene
Concen: 56.780 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 78 Resp: 360978

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.8	29.8

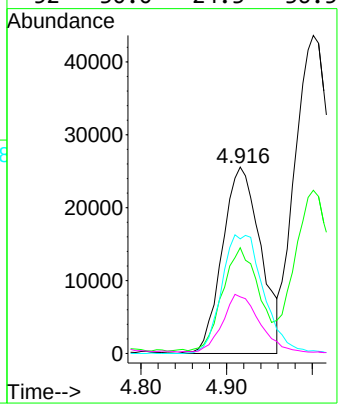




#41
Methacrylonitrile
Concen: 67.041 ug/l
RT: 4.916 min Scan# 62
Delta R.T. -0.012 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 41 Resp: 79507

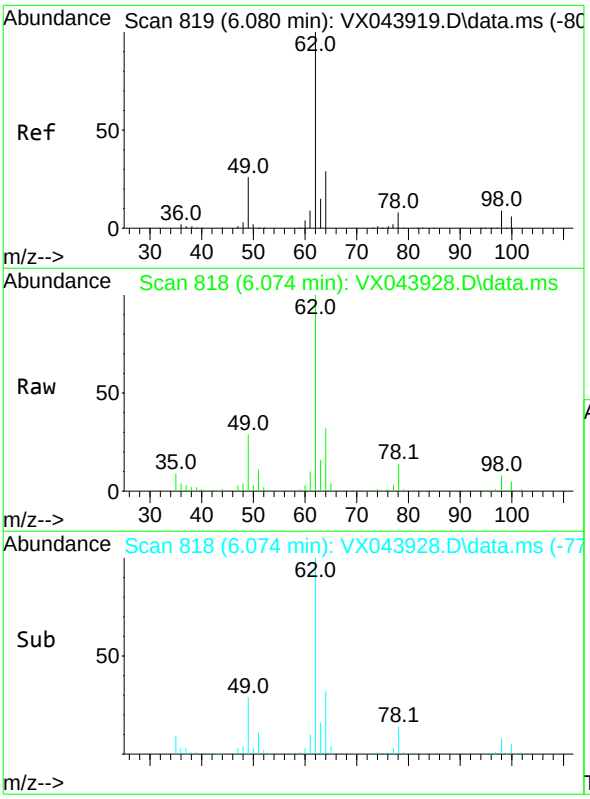
Ion	Ratio	Lower	Upper
41	100		
39	52.1	41.2	61.8
67	69.8	60.3	90.5
52	30.0	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

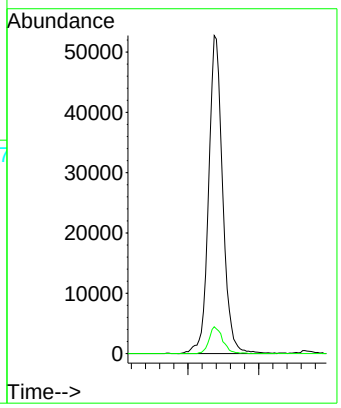
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

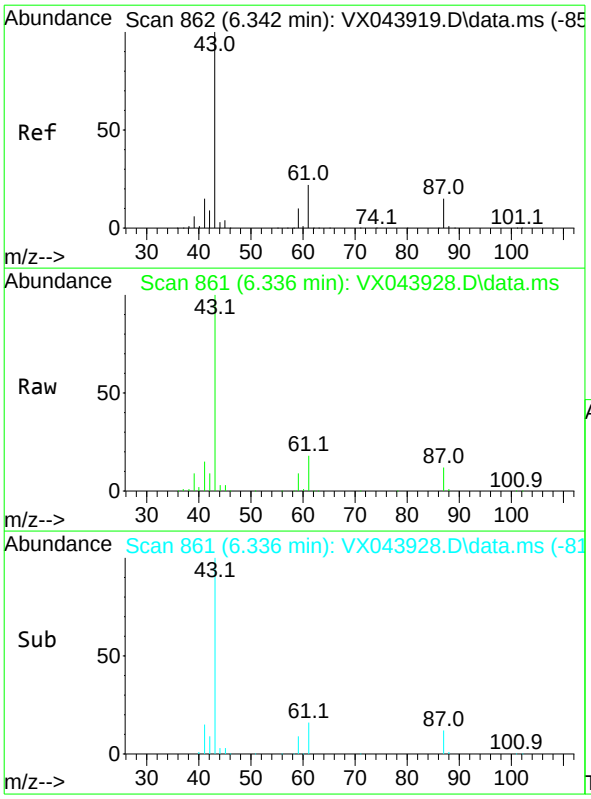


#42
1,2-Dichloroethane
Concen: 63.109 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 62 Resp: 145681

Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	18.6

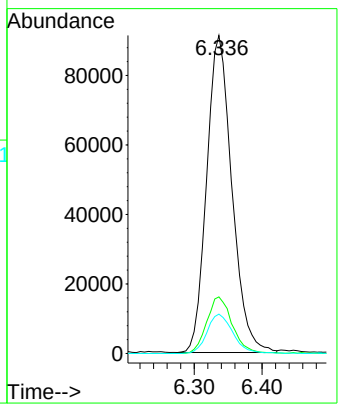




#43
Isopropyl Acetate
Concen: 65.697 ug/l
RT: 6.336 min Scan# 86
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 43 Resp: 235856

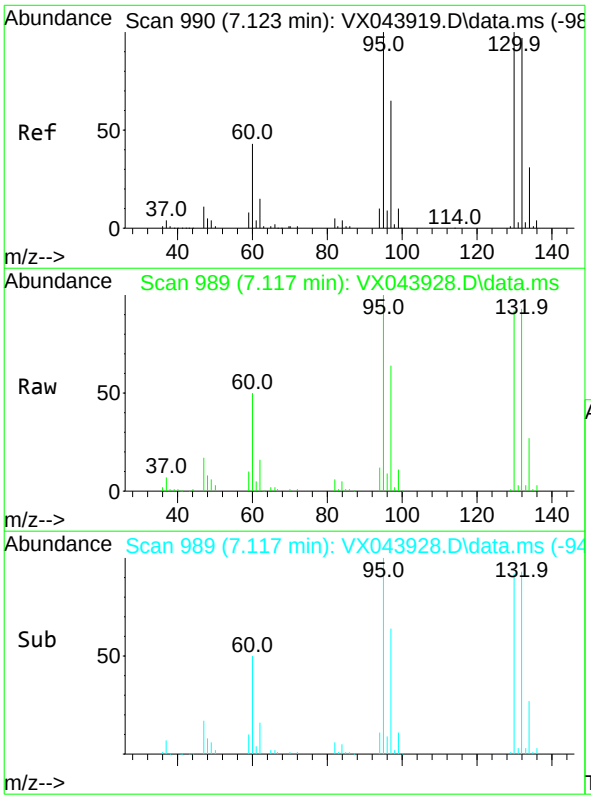
Ion	Ratio	Lower	Upper
43	100		
61	18.1	16.9	25.3
87	12.7	11.9	17.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

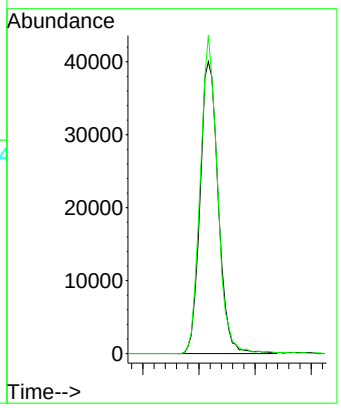
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

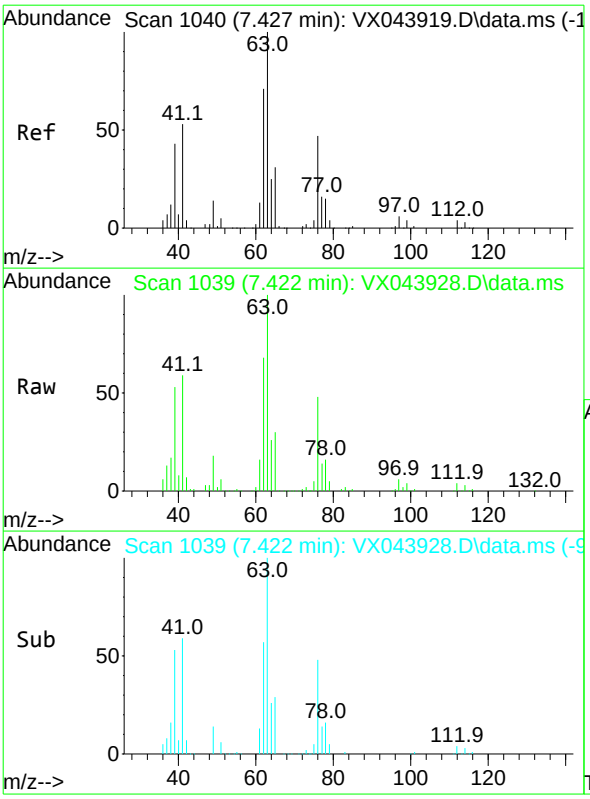


#44
Trichloroethene
Concen: 51.360 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:130 Resp: 90015

Ion	Ratio	Lower	Upper
130	100		
95	108.9	0.0	200.8

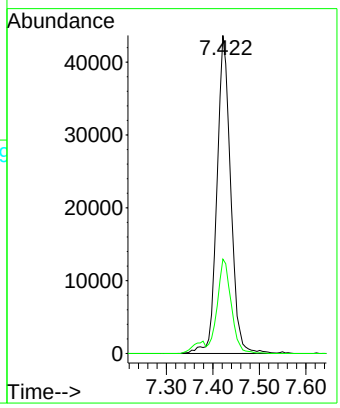




#45
1,2-Dichloropropane
Concen: 57.459 ug/l
RT: 7.422 min Scan# 10
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 63 Resp: 89529

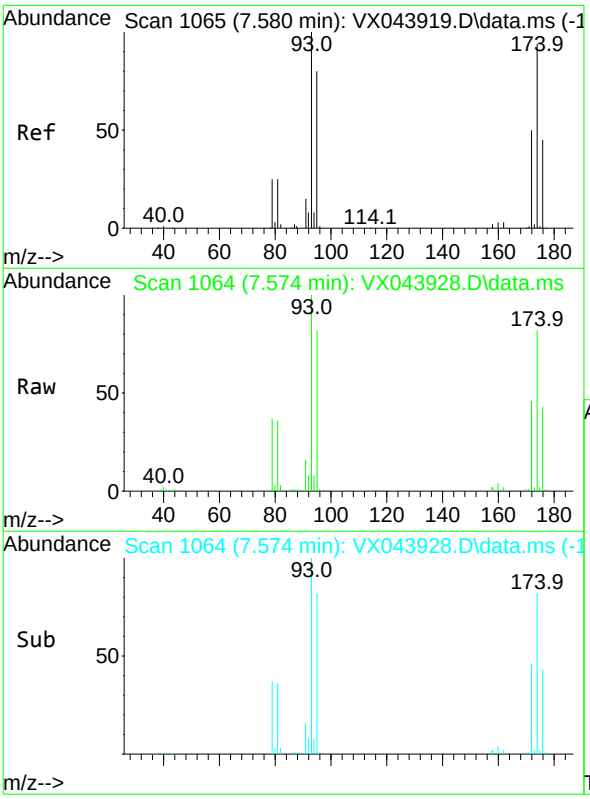
Ion	Ratio	Lower	Upper
63	100		
65	29.7	24.5	36.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

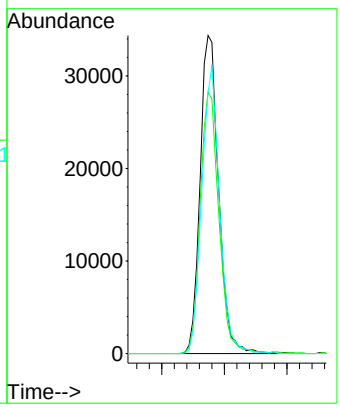
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

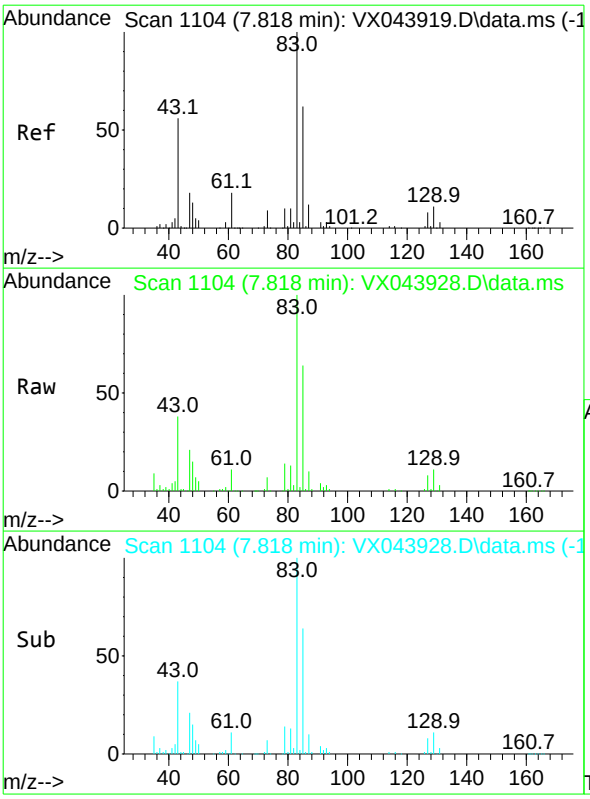


#46
Dibromomethane
Concen: 60.196 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

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

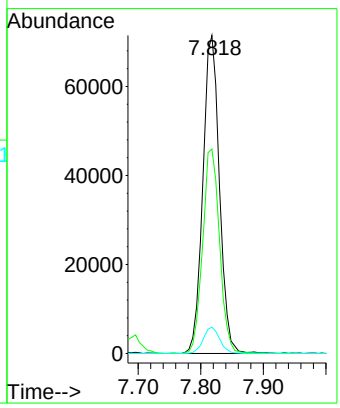
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

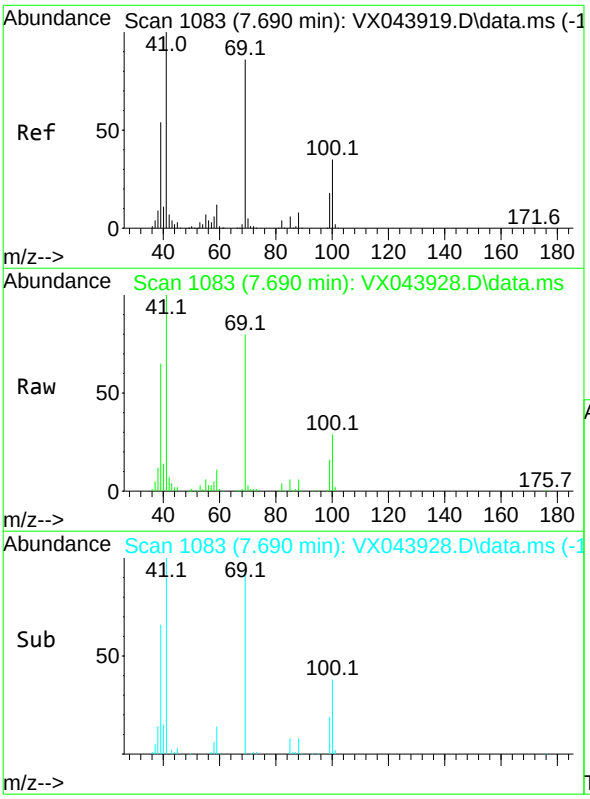
Tgt Ion: 83 Resp: 131365

Ion	Ratio	Lower	Upper
83	100		
85	64.2	49.4	74.0
127	8.3	6.2	9.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

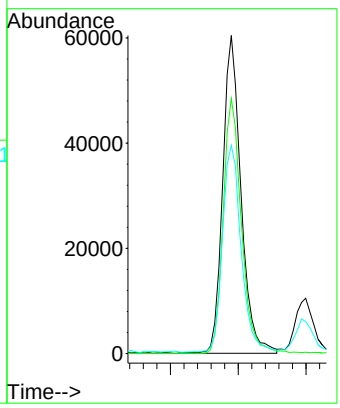


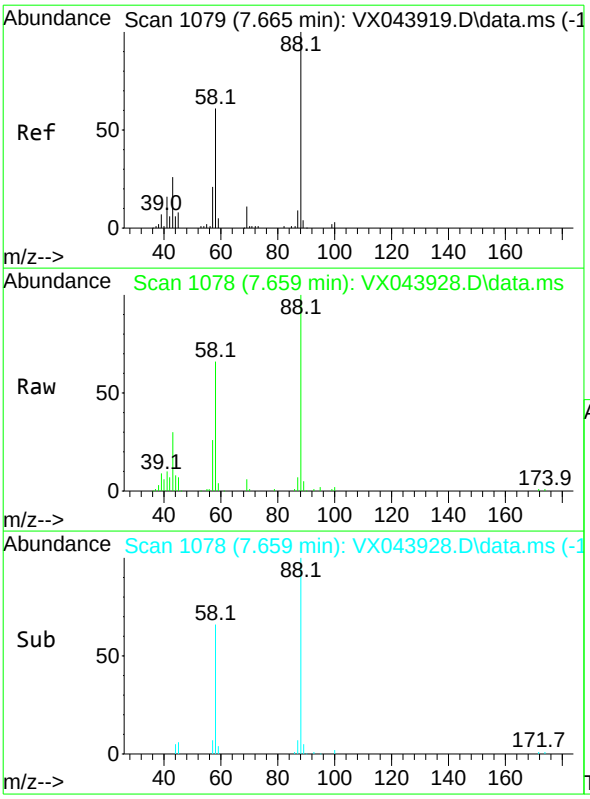


#48
Methyl methacrylate
Concen: 63.393 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

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#

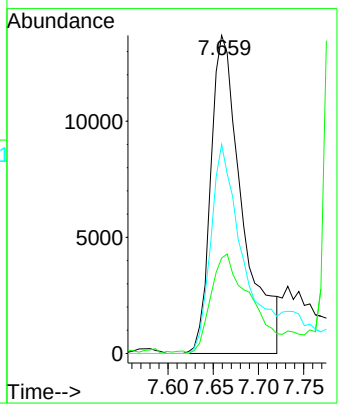




#49
1,4-Dioxane
Concen: 881.301 ug/l
RT: 7.659 min Scan# 10
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 88 Resp: 33402

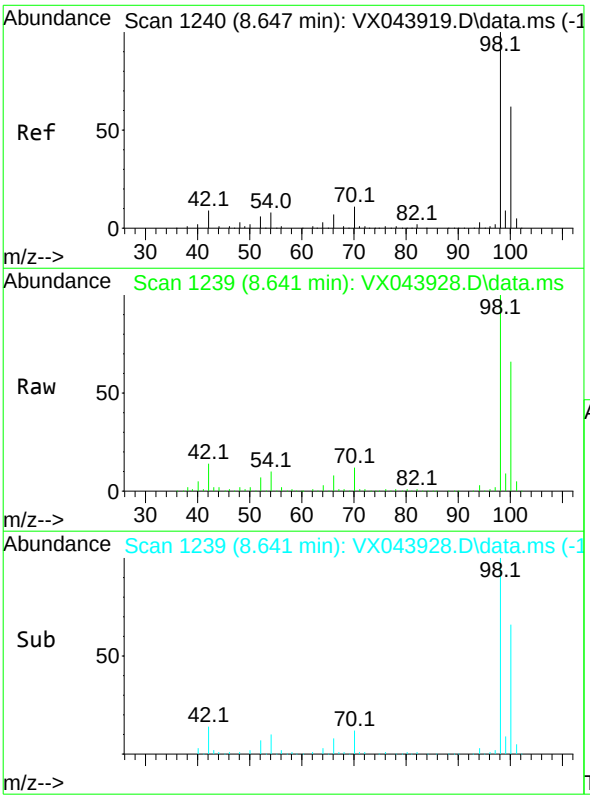
Ion	Ratio	Lower	Upper
88	100		
43	39.5	17.4	26.0#
58	66.8	41.0	61.6#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

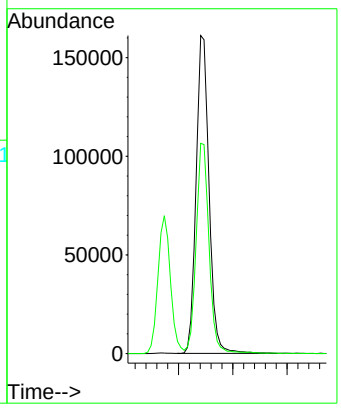
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

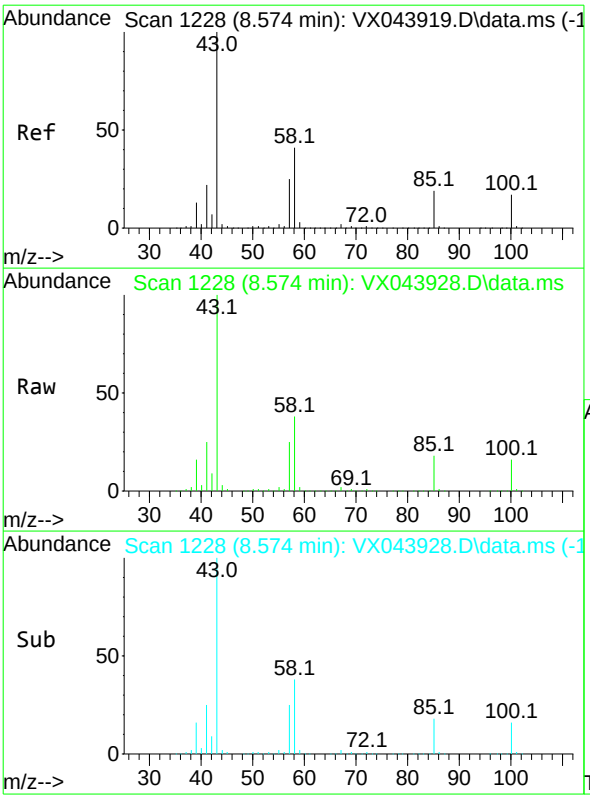


#50
Toluene-d8
Concen: 49.194 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 98 Resp: 266650

Ion	Ratio	Lower	Upper
98	100		
100	65.8	53.0	79.6

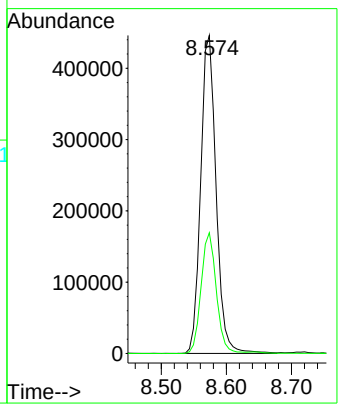




#51
4-Methyl-2-Pentanone
Concen: 327.265 ug/l
RT: 8.574 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 43 Resp: 732582

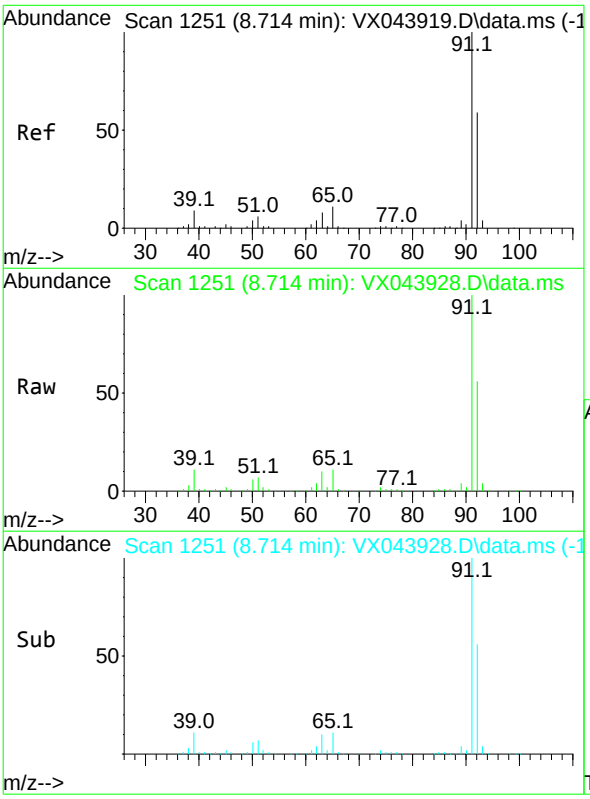
Ion	Ratio	Lower	Upper
43	100		
58	37.5	32.4	48.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

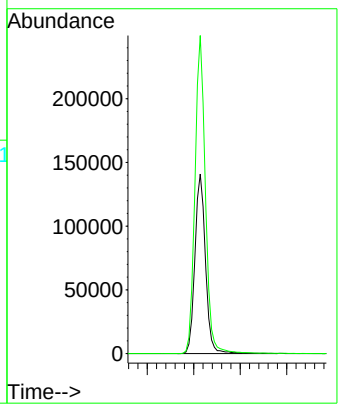
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

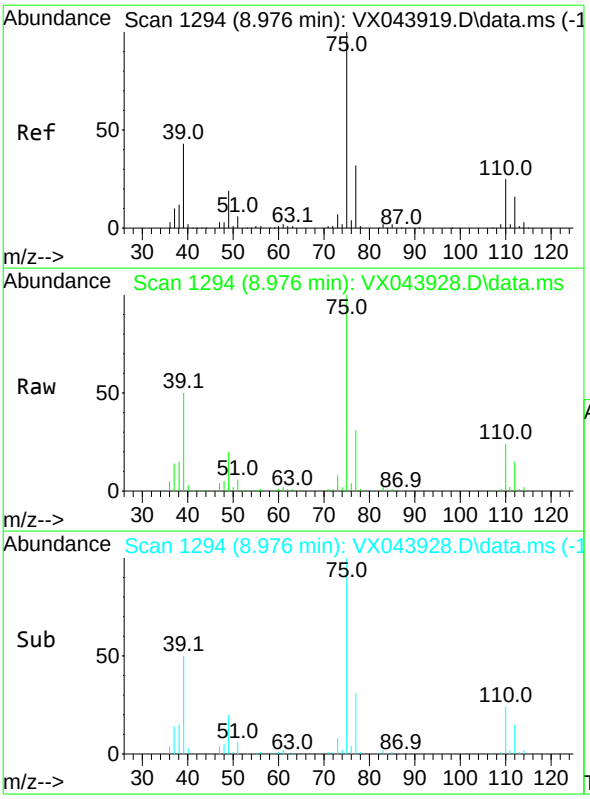


#52
Toluene
Concen: 60.664 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

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

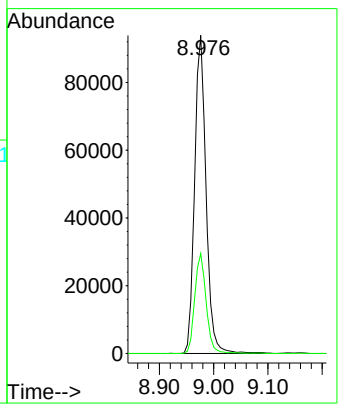
Tgt Ion: 75 Resp: 137451

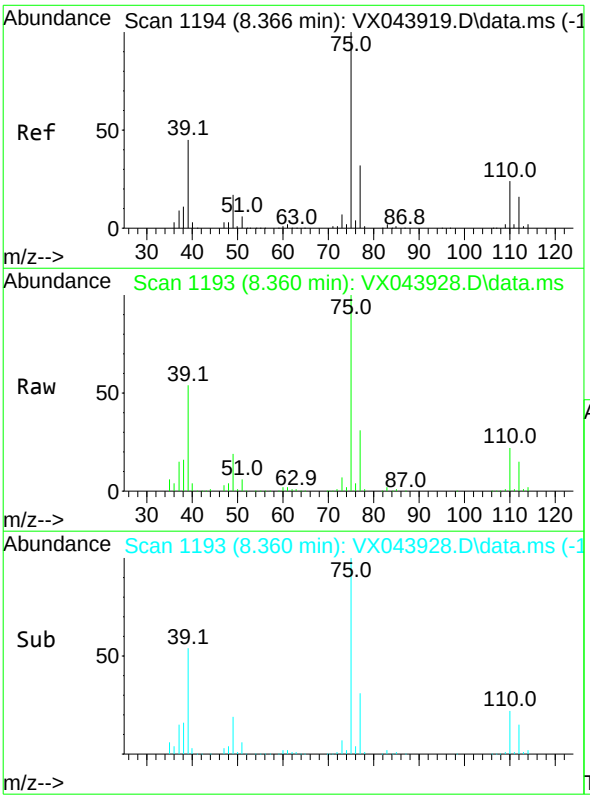
Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.9	38.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

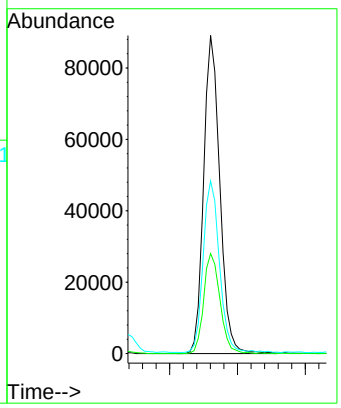


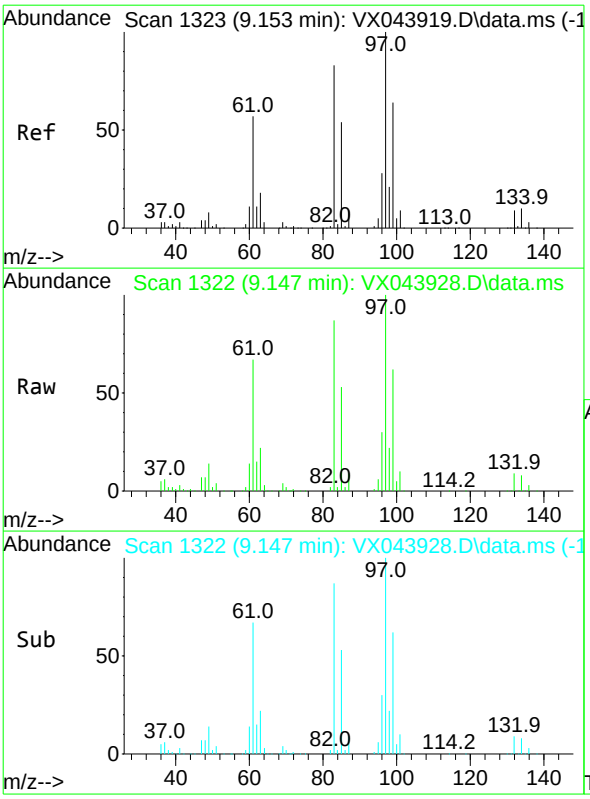


#54
cis-1,3-Dichloropropene
Concen: 62.243 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

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

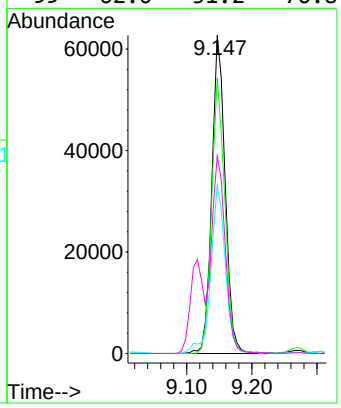




#55
1,1,2-Trichloroethane
Concen: 62.501 ug/l
RT: 9.147 min Scan# 13
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 97 Resp: 89441

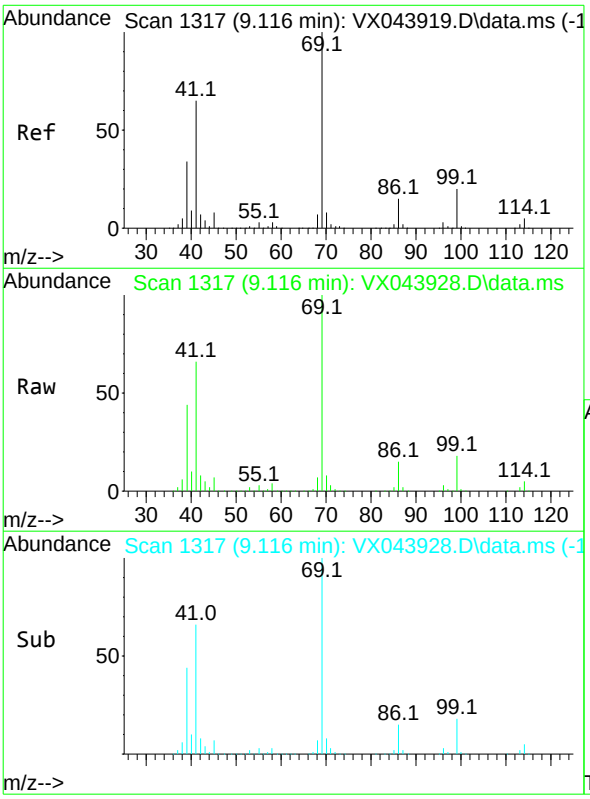
Ion	Ratio	Lower	Upper
97	100		
83	86.7	66.5	99.7
85	52.9	43.4	65.2
99	62.0	51.2	76.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

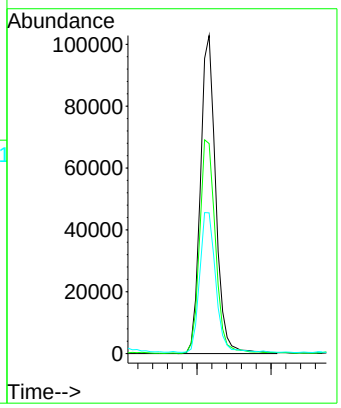
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

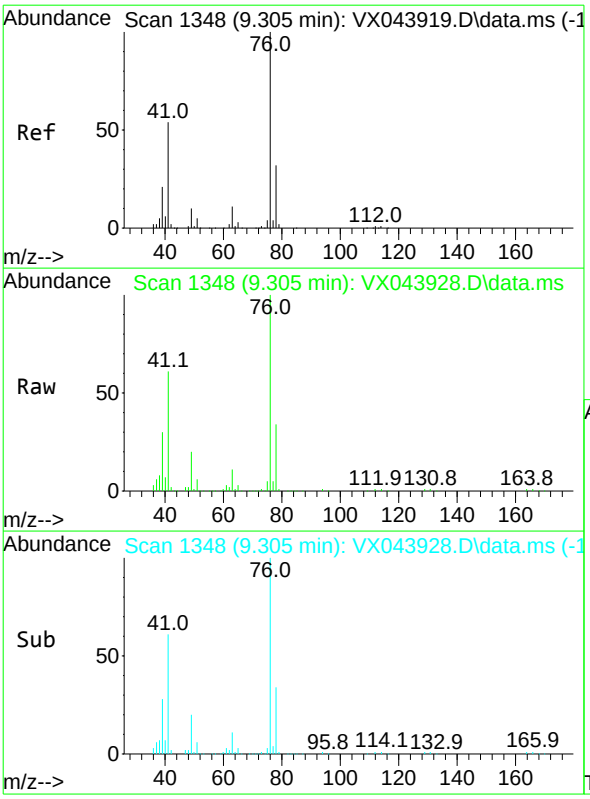


#56
Ethyl methacrylate
Concen: 65.443 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

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#

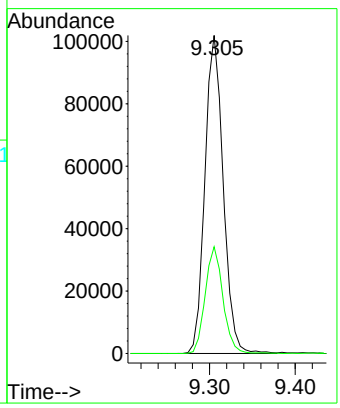




#57
1,3-Dichloropropane
Concen: 63.034 ug/l
RT: 9.305 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 76 Resp: 151124

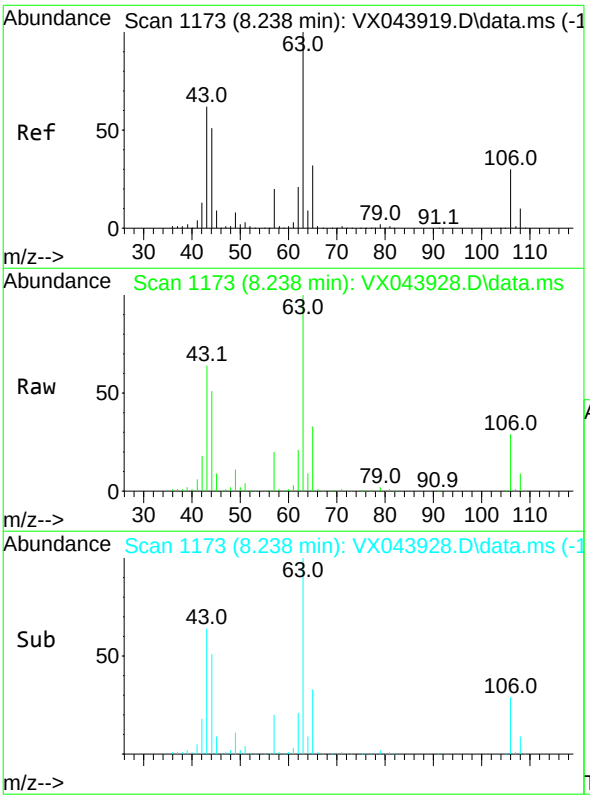
Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

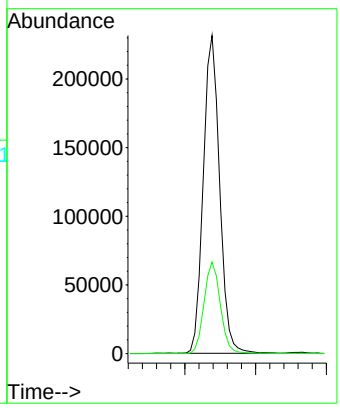
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

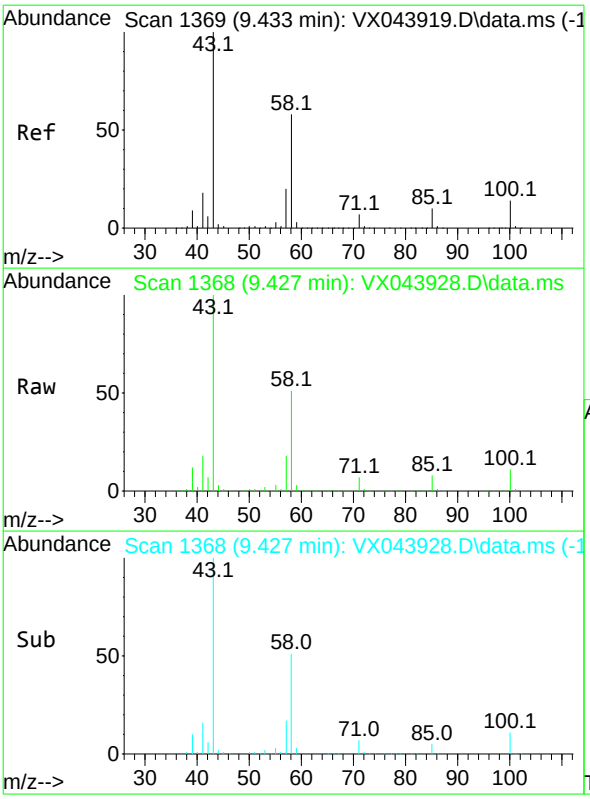


#58
2-Chloroethyl Vinyl ether
Concen: 312.467 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 63 Resp: 371281

Ion	Ratio	Lower	Upper
63	100		
106	28.8	23.8	35.6

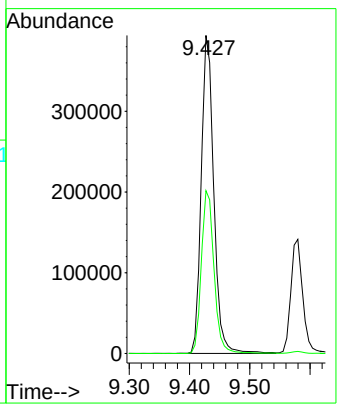




#59
2-Hexanone
Concen: 359.925 ug/l
RT: 9.427 min Scan# 13
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 43 Resp: 568460

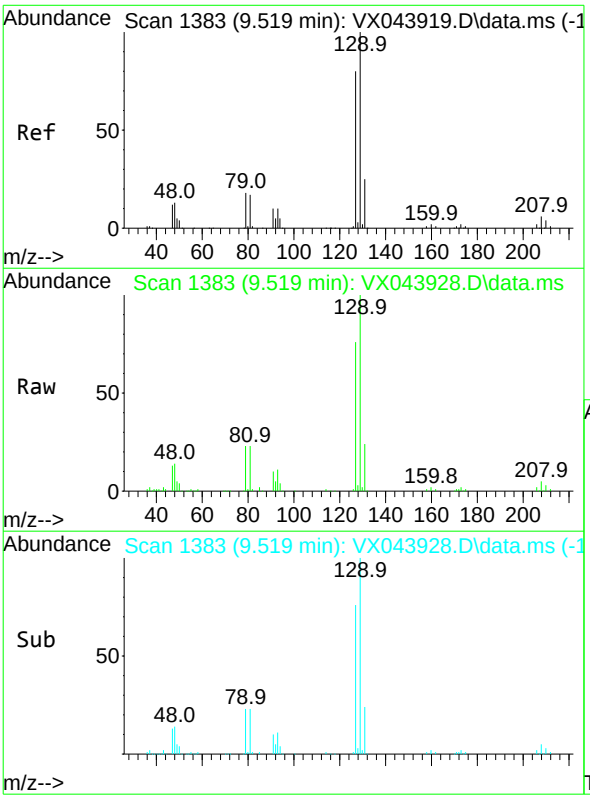
Ion	Ratio	Lower	Upper
43	100		
58	51.7	28.3	84.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

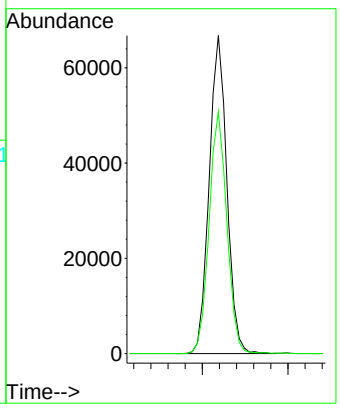
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

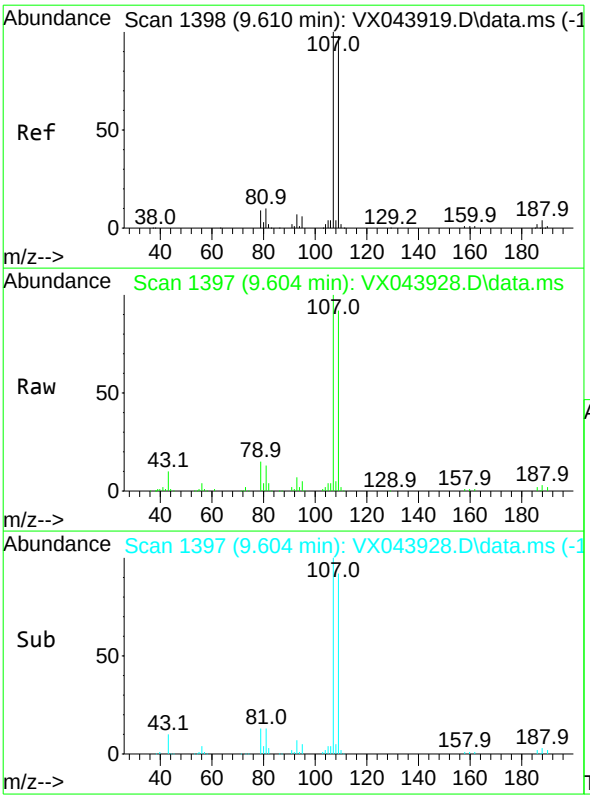


#60
Dibromochloromethane
Concen: 68.588 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:129 Resp: 95641

Ion	Ratio	Lower	Upper
129	100		
127	76.4	38.6	115.8

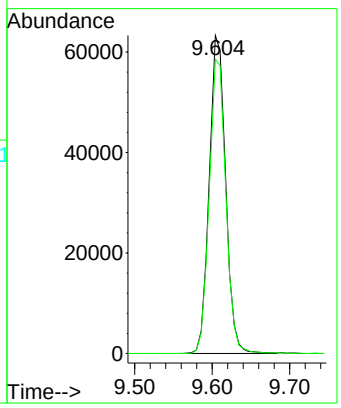




#61
1,2-Dibromoethane
Concen: 62.263 ug/l
RT: 9.604 min Scan# 13
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:107 Resp: 92940

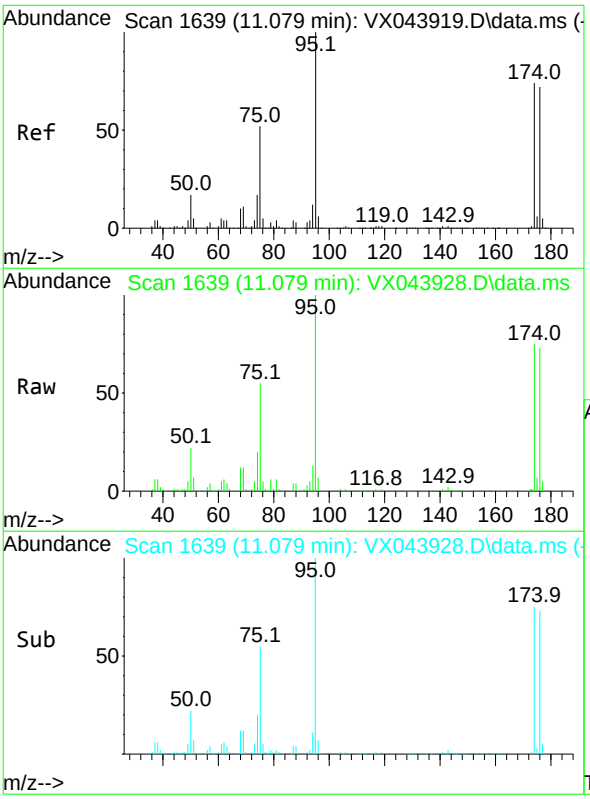
Ion	Ratio	Lower	Upper
107	100		
109	94.0	76.2	114.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

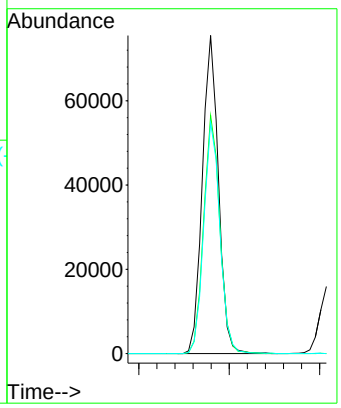
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

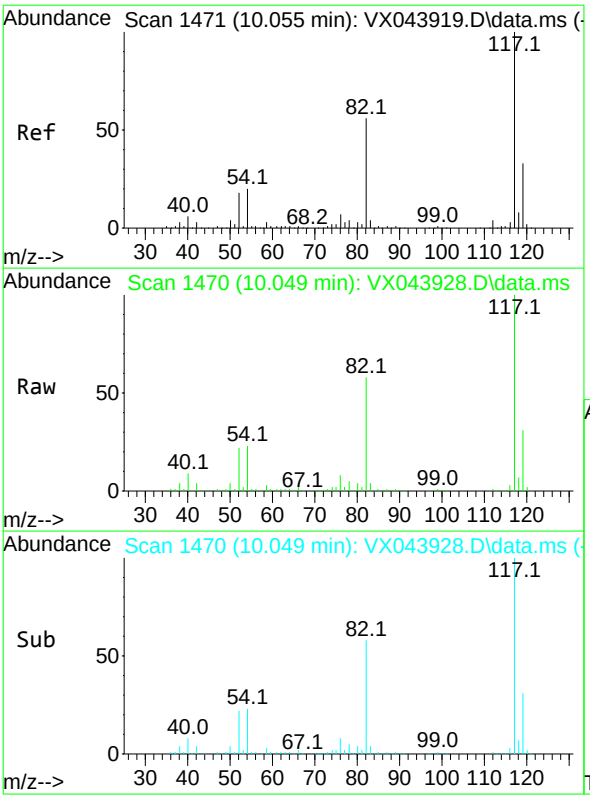


#62
4-Bromofluorobenzene
Concen: 52.209 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

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

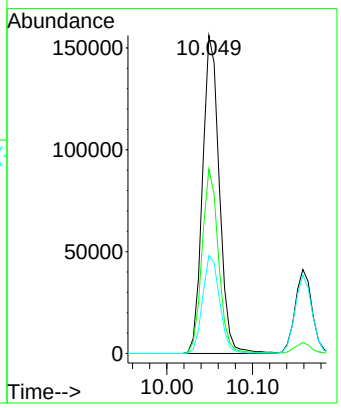




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:117 Resp: 212243

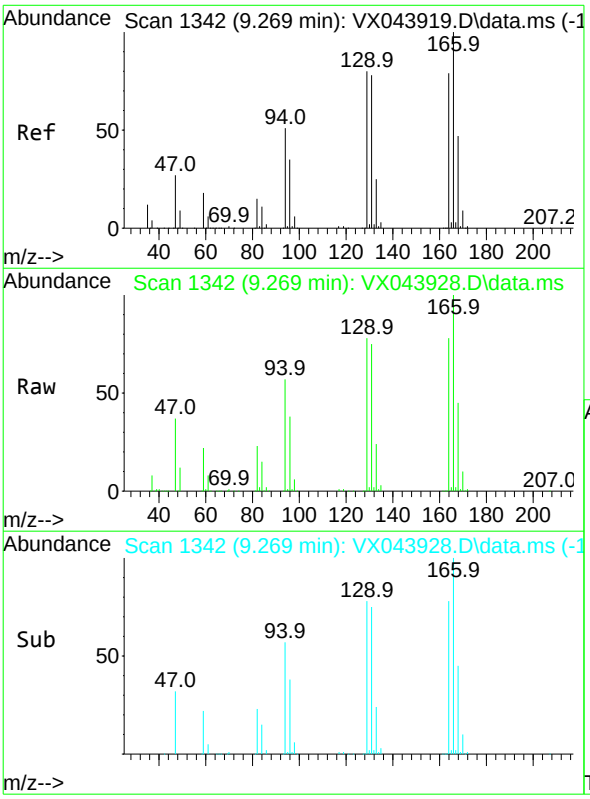
Ion	Ratio	Lower	Upper
117	100		
82	58.0	44.6	67.0
119	30.8	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

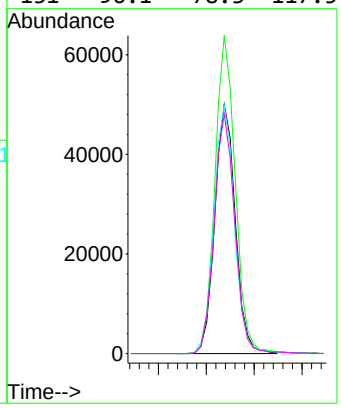
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

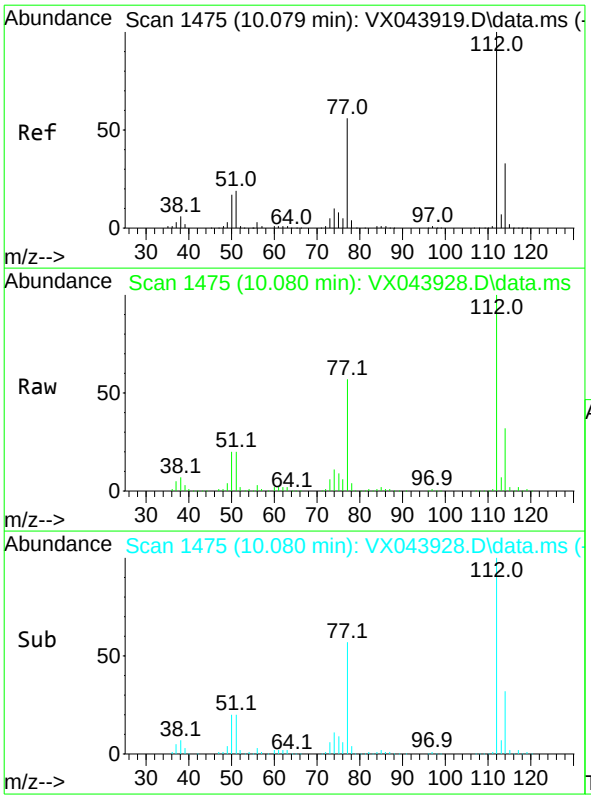


#64
Tetrachloroethene
Concen: 54.472 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

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

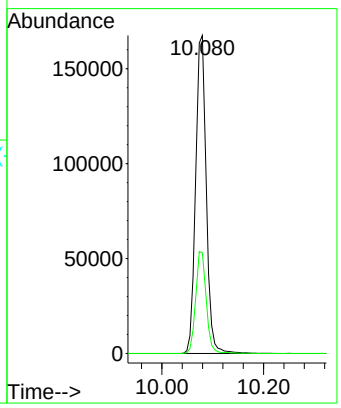




#65
Chlorobenzene
Concen: 54.828 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:112 Resp: 243080

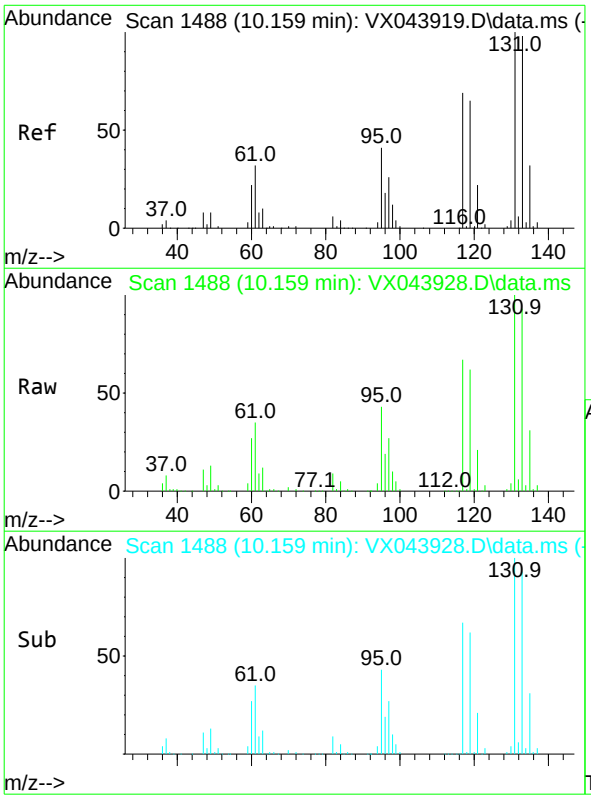
Ion	Ratio	Lower	Upper
112	100		
114	31.7	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

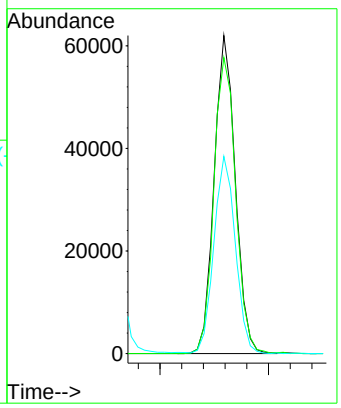
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

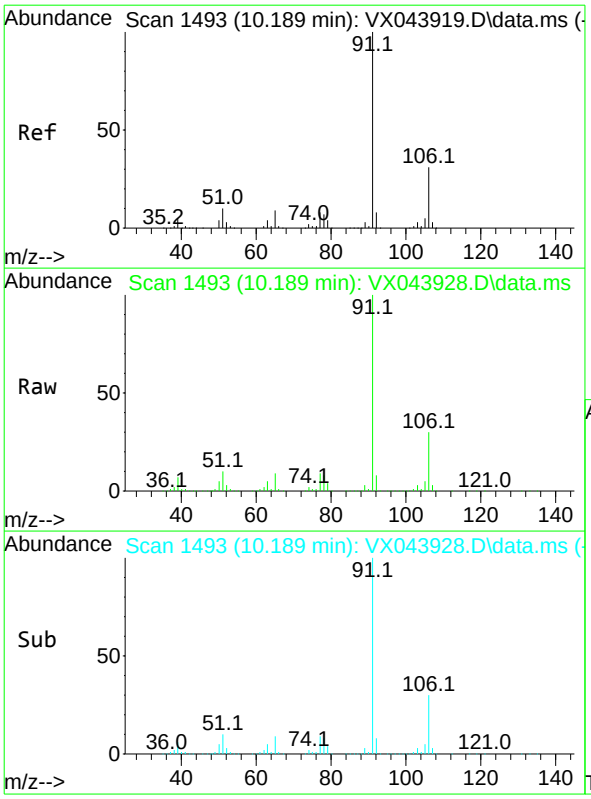


#66
1,1,1,2-Tetrachloroethane
Concen: 56.885 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

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

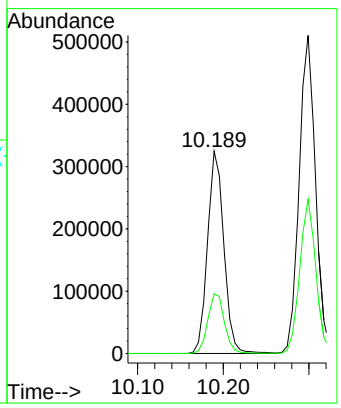
Tgt Ion: 91 Resp: 429559

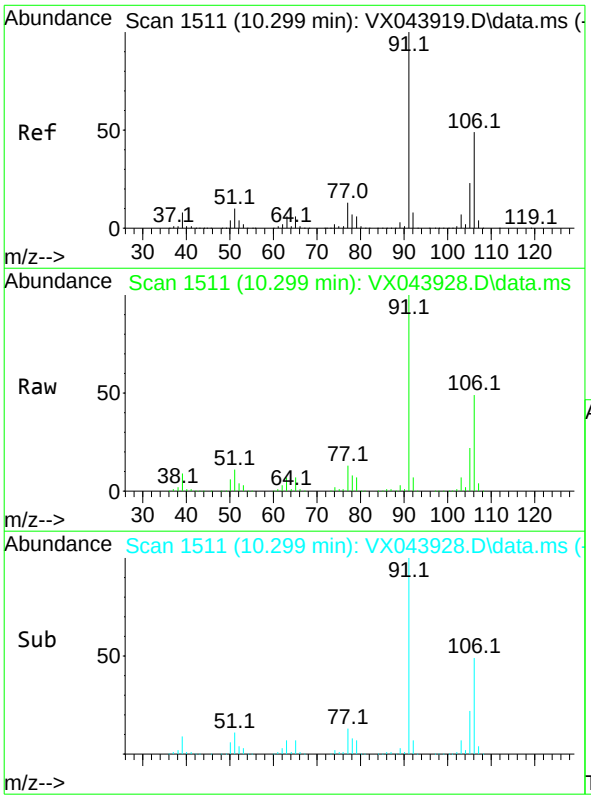
Ion	Ratio	Lower	Upper
91	100		
106	29.5	25.0	37.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

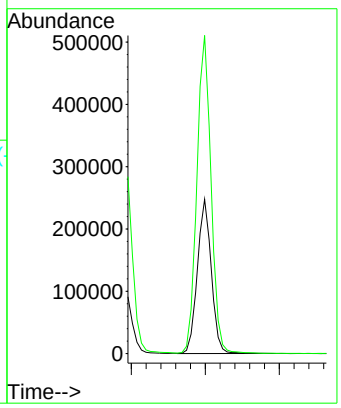


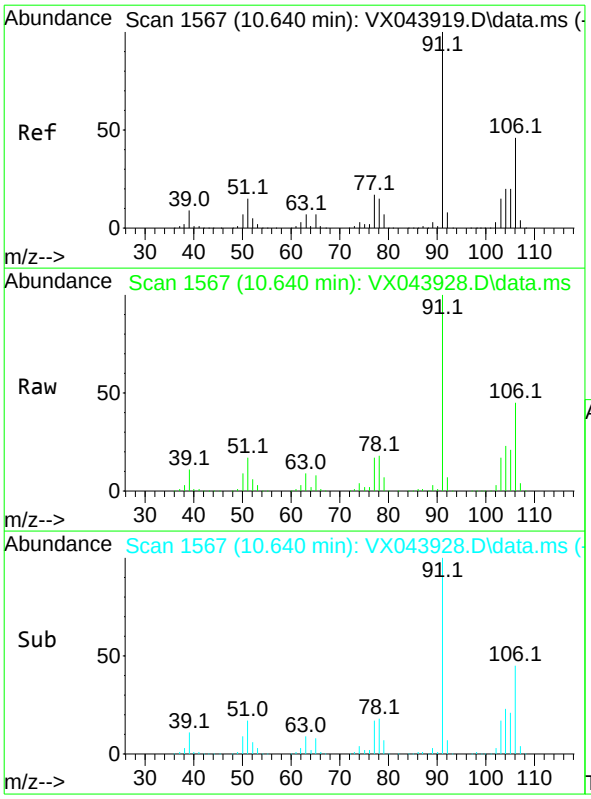


#68
m/p-Xylenes
Concen: 116.466 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:106 Resp: 323661

Ion	Ratio	Lower	Upper
106	100		
91	210.1	163.3	244.9

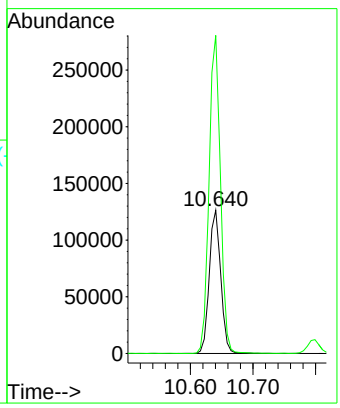




#69
o-Xylene
Concen: 59.245 ug/l
RT: 10.640 min Scan# 15
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:106 Resp: 160643

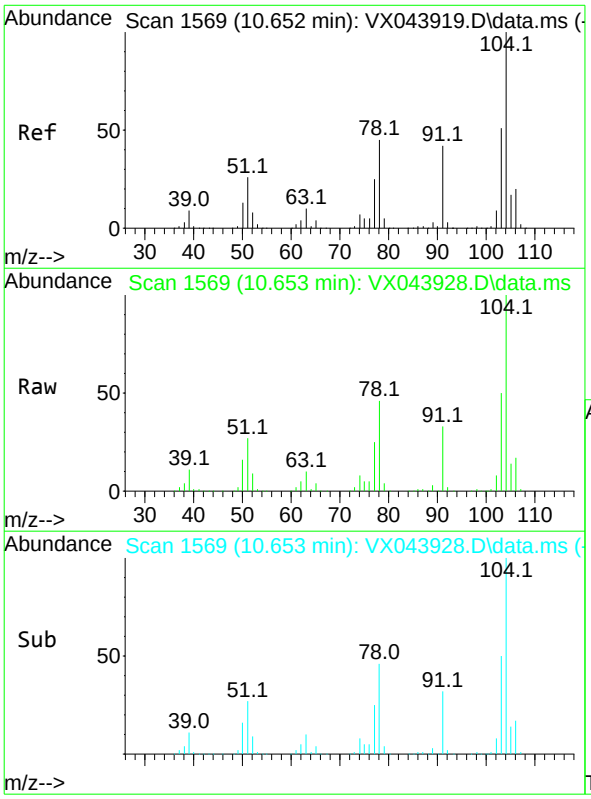
Ion	Ratio	Lower	Upper
106	100		
91	220.4	109.6	328.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

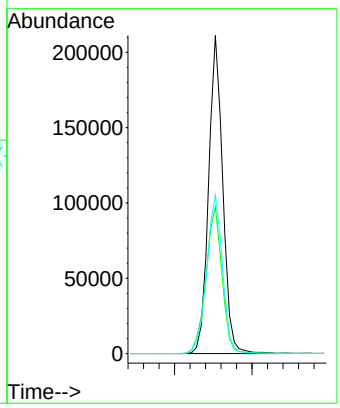
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

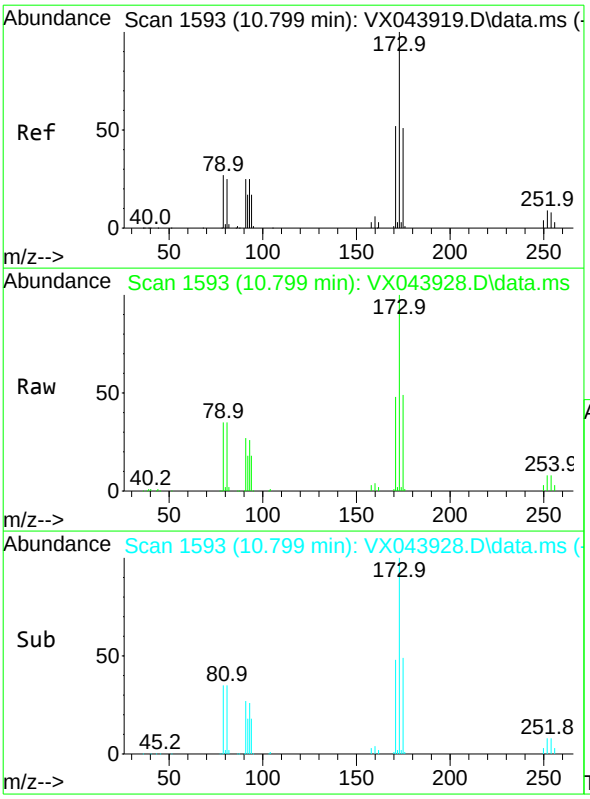


#70
Styrene
Concen: 59.974 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

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

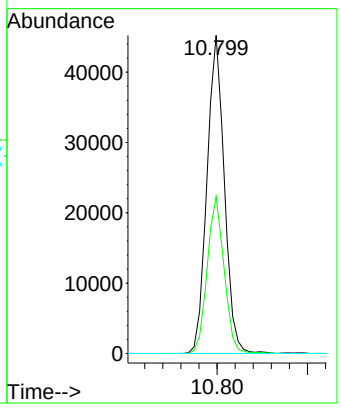




#71
Bromoform
Concen: 62.587 ug/l
RT: 10.799 min Scan# 15
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:173 Resp: 60267

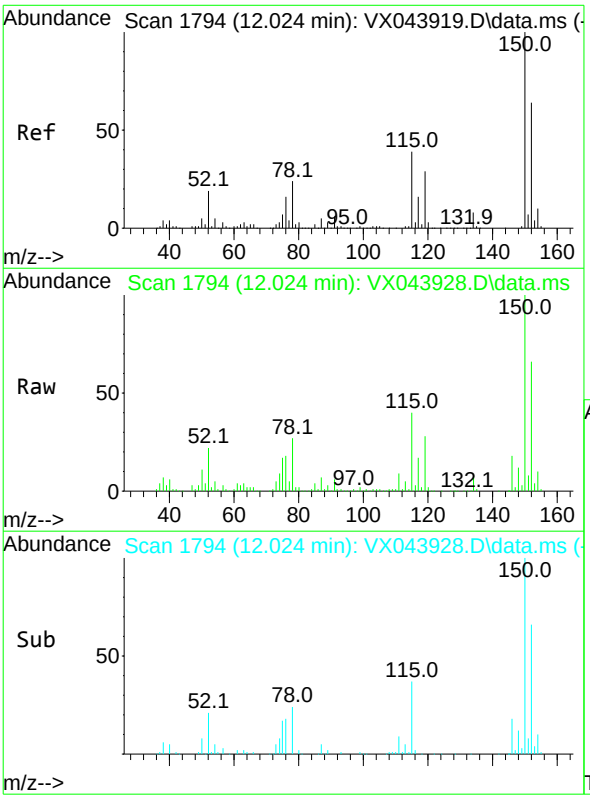
Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.6	73.8
254	0.0	0.1	0.1#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

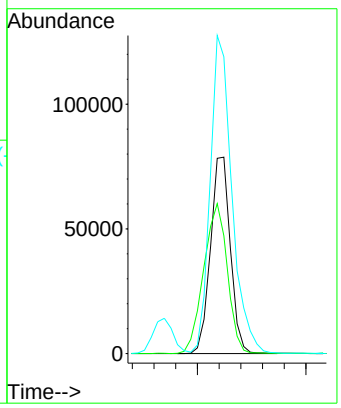
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

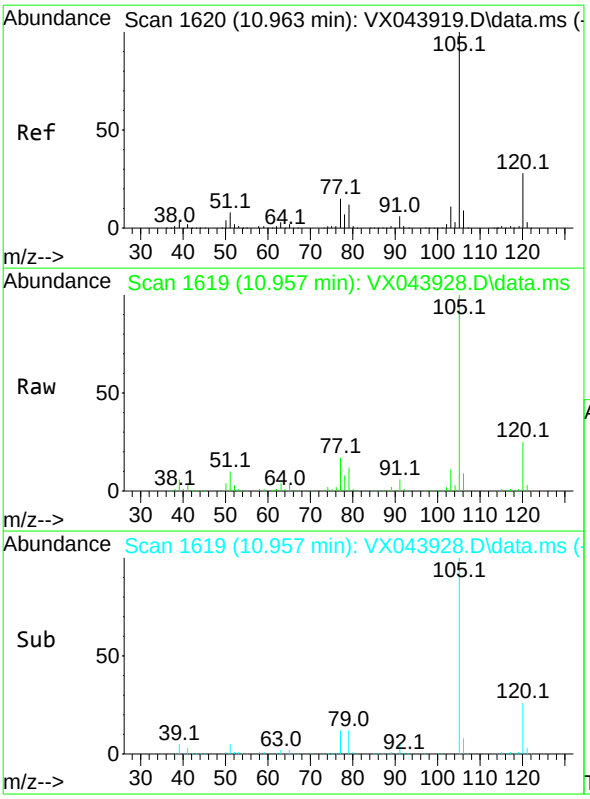


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

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

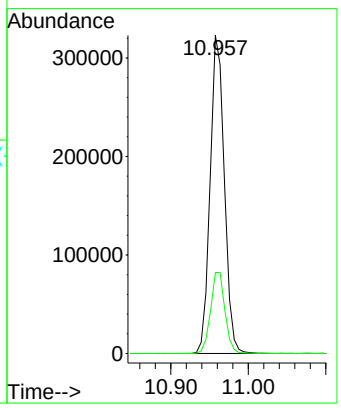




#73
Isopropylbenzene
Concen: 57.397 ug/l
RT: 10.957 min Scan# 16
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:105 Resp: 411000

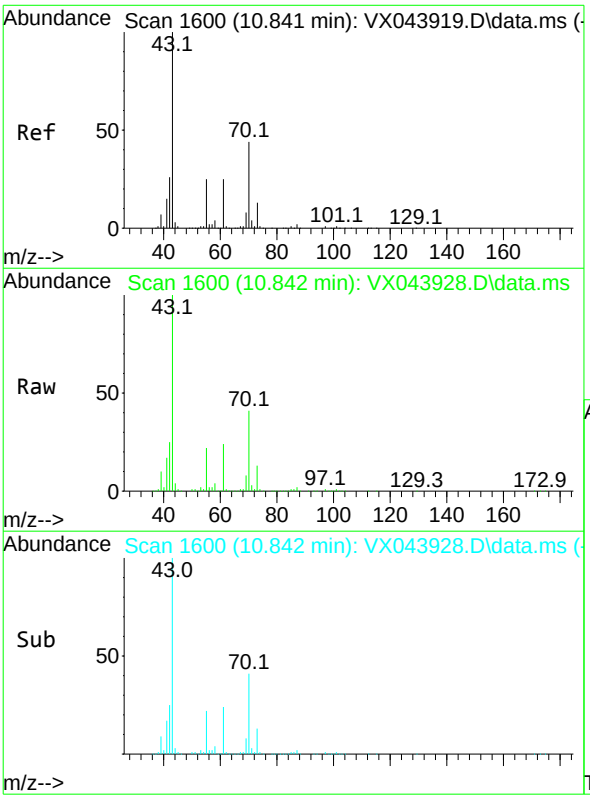
Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.3	39.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

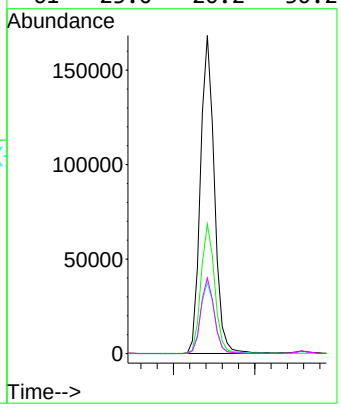
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

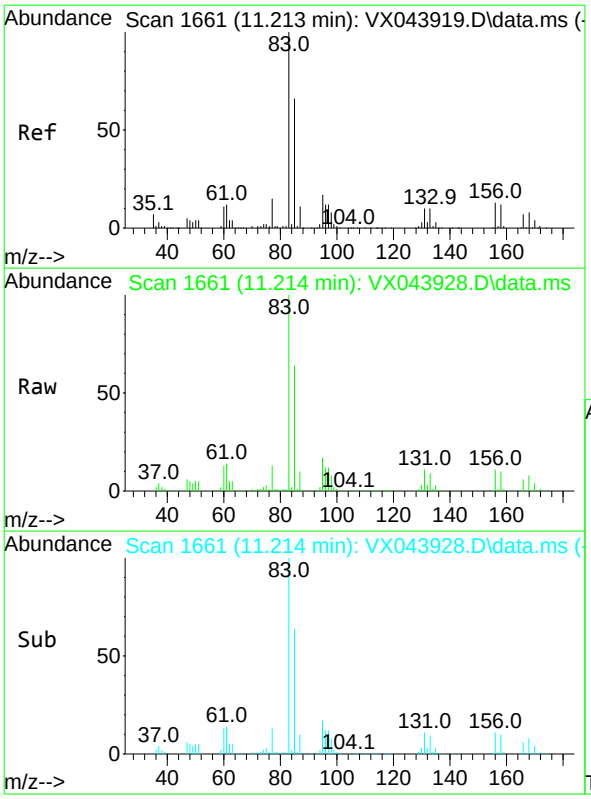


#74
N-amyl acetate
Concen: 62.704 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

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

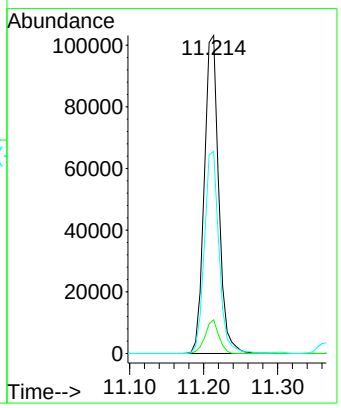




#75
1,1,2,2-Tetrachloroethane
Concen: 57.726 ug/l
RT: 11.214 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 83 Resp: 139756

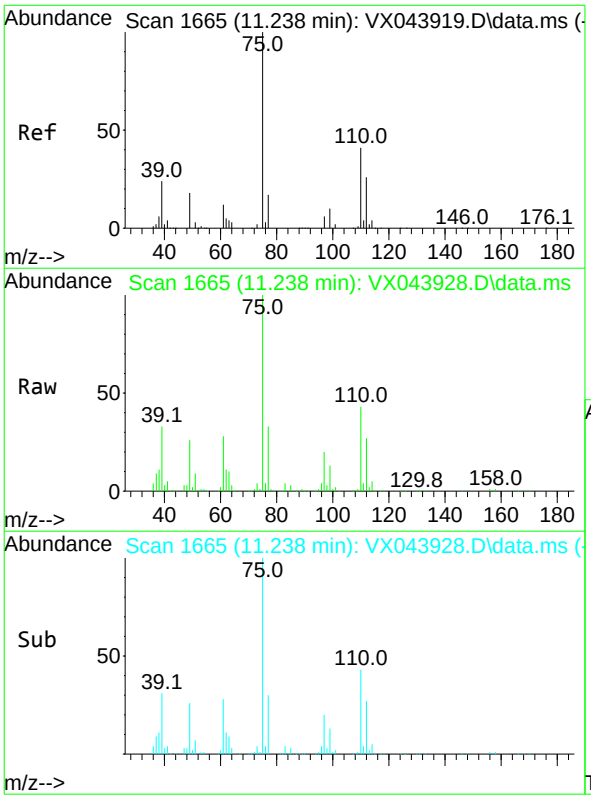
Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.1	15.3
85	64.4	32.3	96.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

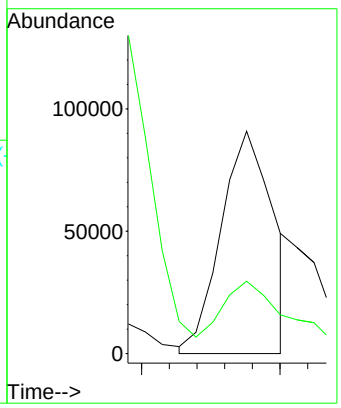
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

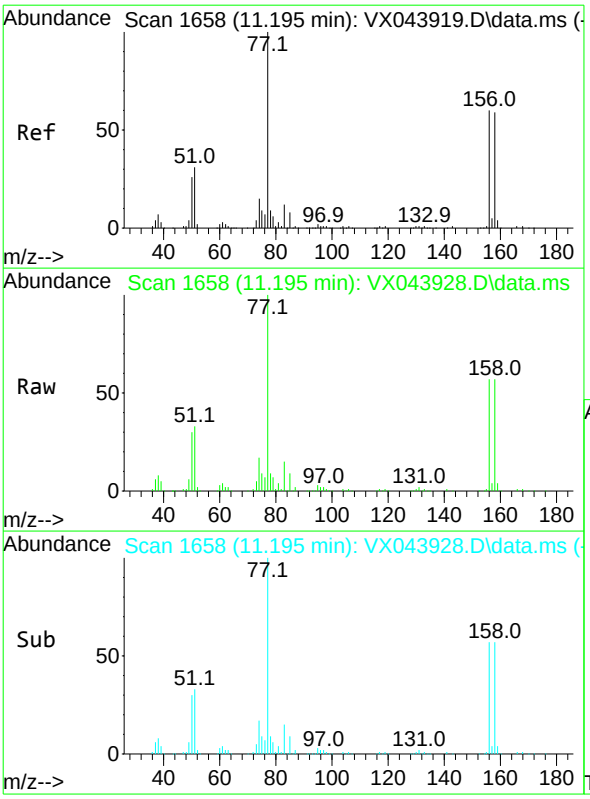


#76
1,2,3-Trichloropropane
Concen: 57.858 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 75 Resp: 118450

Ion	Ratio	Lower	Upper
75	100		
77	43.5	22.4	67.0

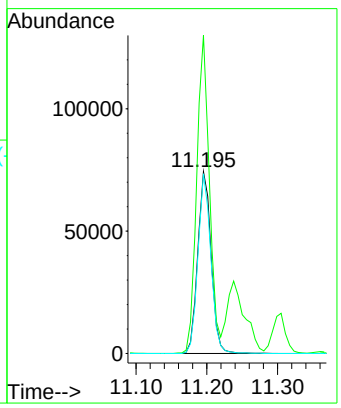




#77
Bromobenzene
Concen: 55.706 ug/l
RT: 11.195 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:156 Resp: 97761

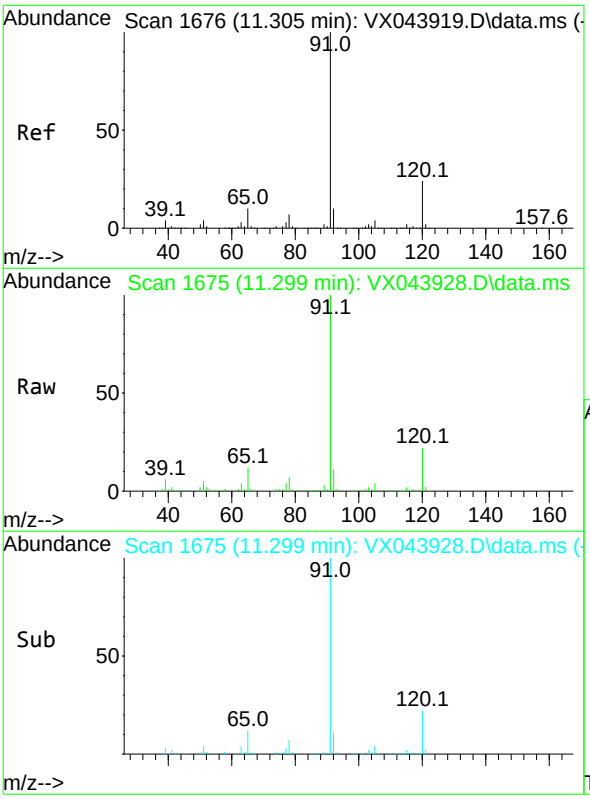
Ion	Ratio	Lower	Upper
156	100		
77	166.7	81.2	243.6
158	95.2	48.6	145.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

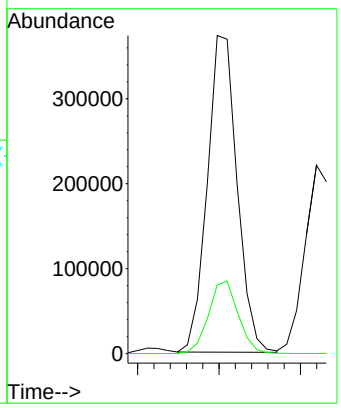
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

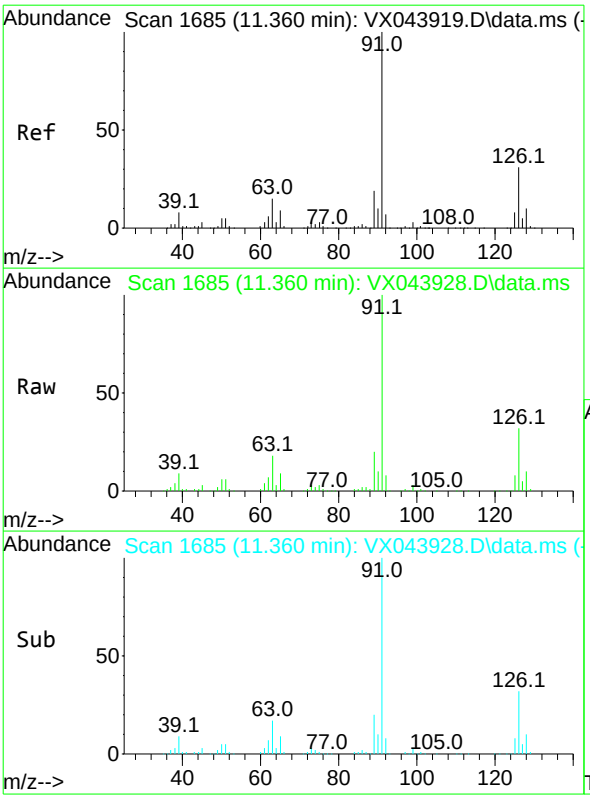


#78
n-propylbenzene
Concen: 60.094 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 91 Resp: 474802

Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.5	34.5

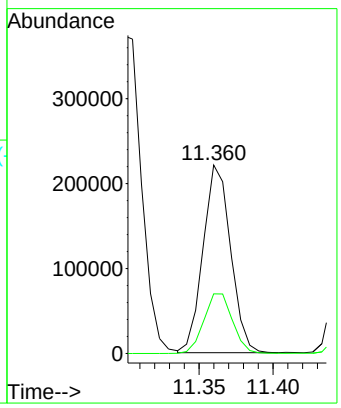




#79
2-Chlorotoluene
Concen: 57.018 ug/l
RT: 11.360 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 91 Resp: 286649

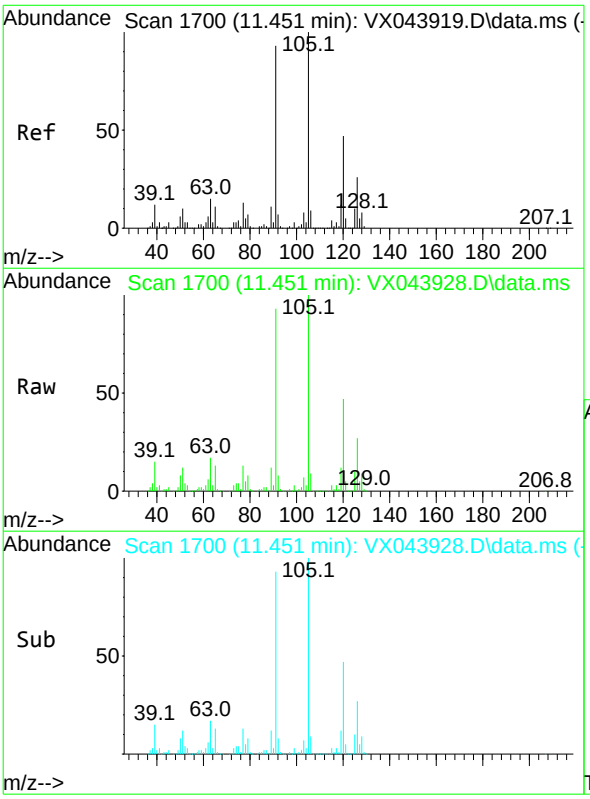
Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

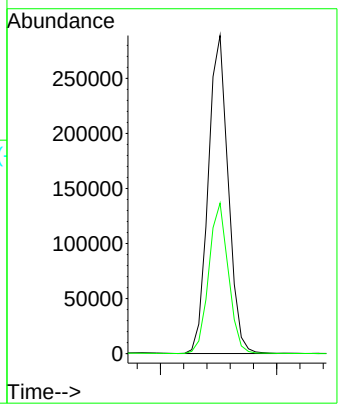
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

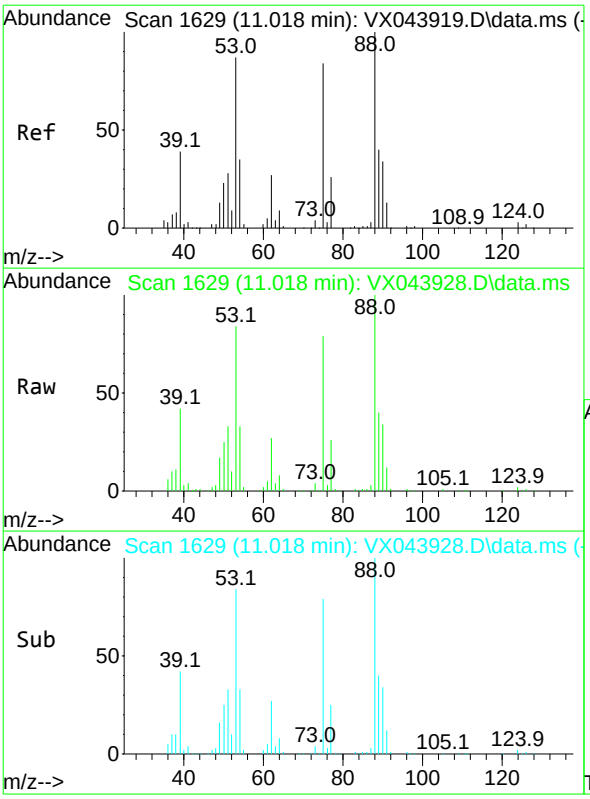


#80
1,3,5-Trimethylbenzene
Concen: 58.215 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

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

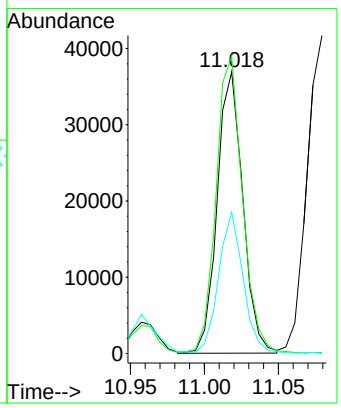
Tgt Ion: 75 Resp: 44450

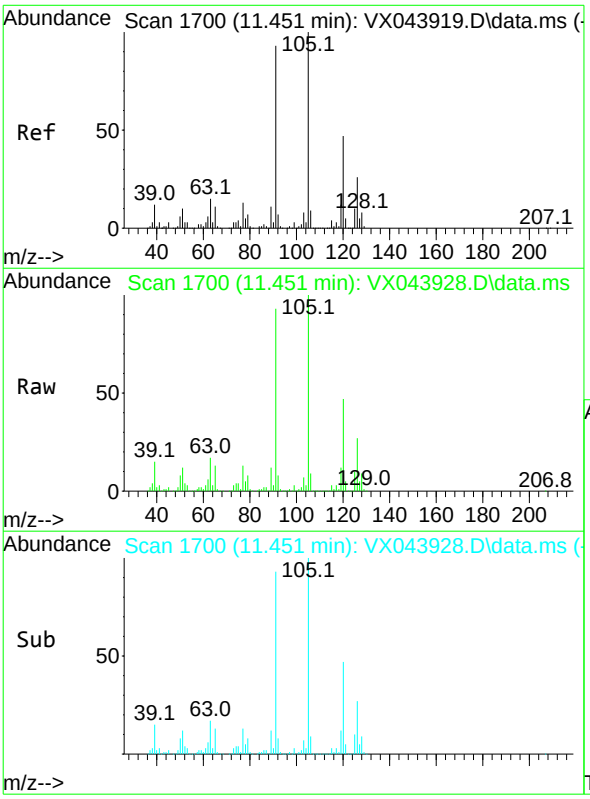
Ion	Ratio	Lower	Upper
75	100		
53	108.4	81.7	122.5
89	47.7	38.6	57.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

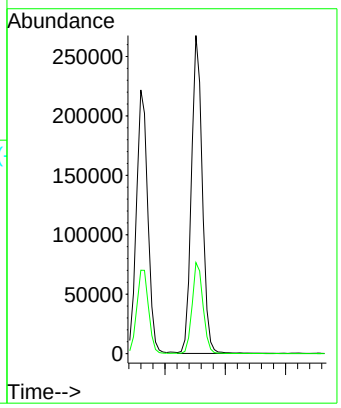


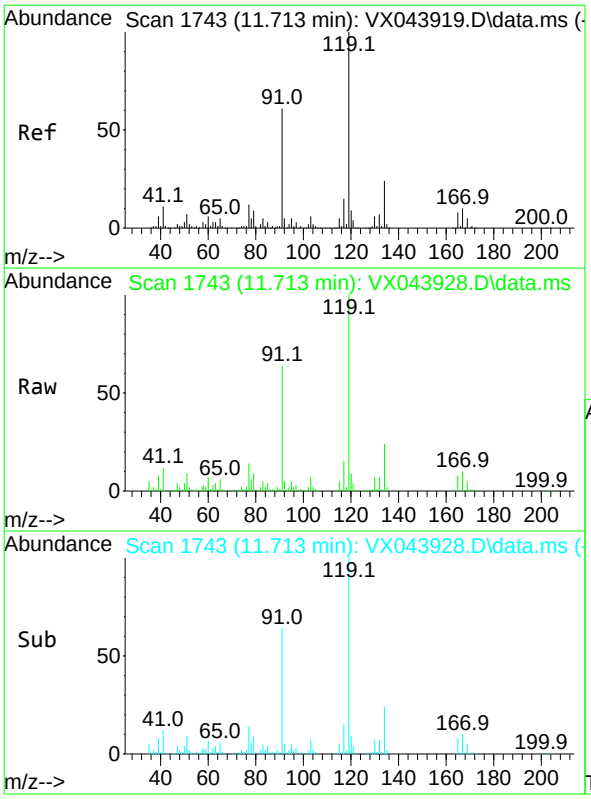


#82
4-Chlorotoluene
Concen: 57.679 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 91 Resp: 333946

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.4	43.2

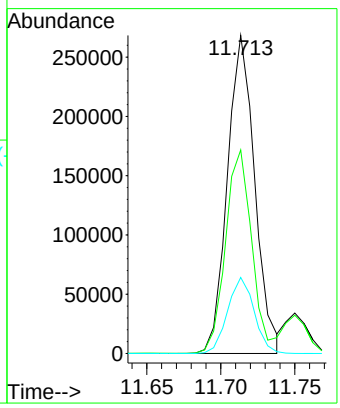




#83
tert-Butylbenzene
Concen: 56.841 ug/l
RT: 11.713 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:119 Resp: 345112

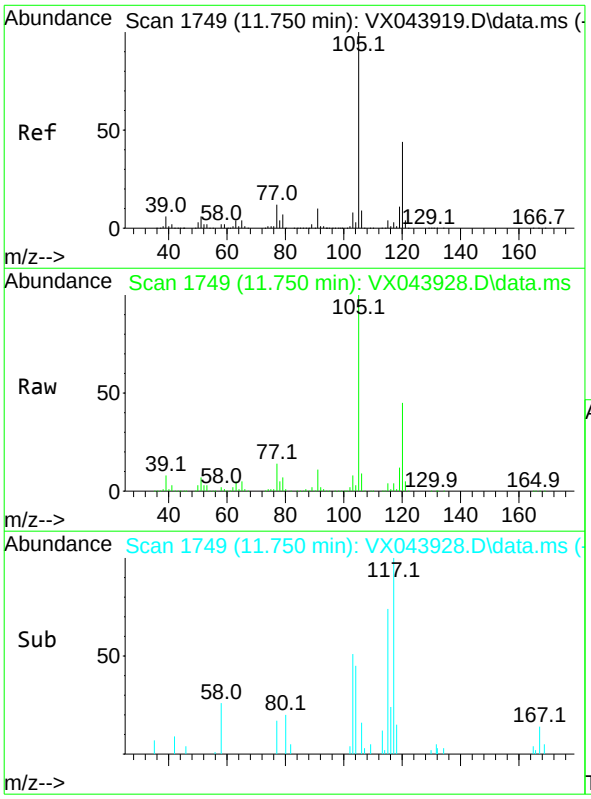
Ion	Ratio	Lower	Upper
119	100		
91	62.0	29.5	88.6
134	23.2	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

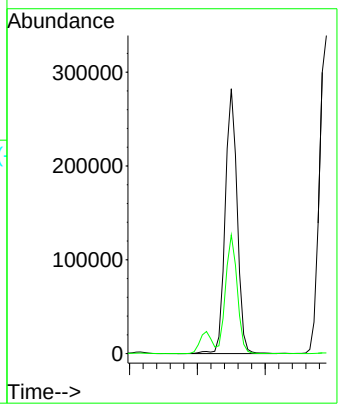
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

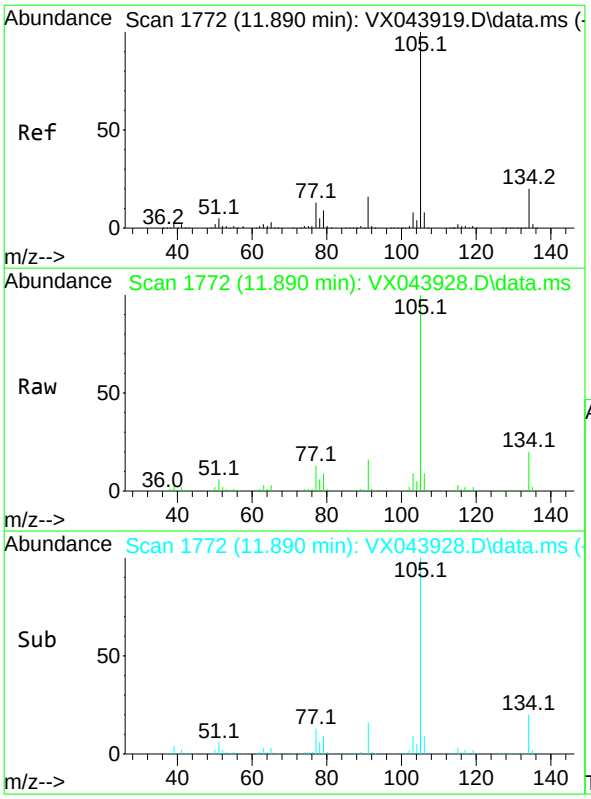


#84
1,2,4-Trimethylbenzene
Concen: 57.254 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:105 Resp: 345112

Ion	Ratio	Lower	Upper
105	100		
120	43.8	21.7	65.1

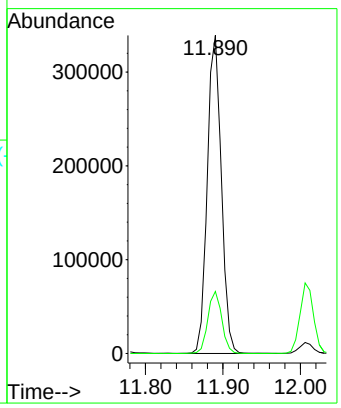




#85
sec-Butylbenzene
Concen: 58.794 ug/l
RT: 11.890 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:105 Resp: 426284

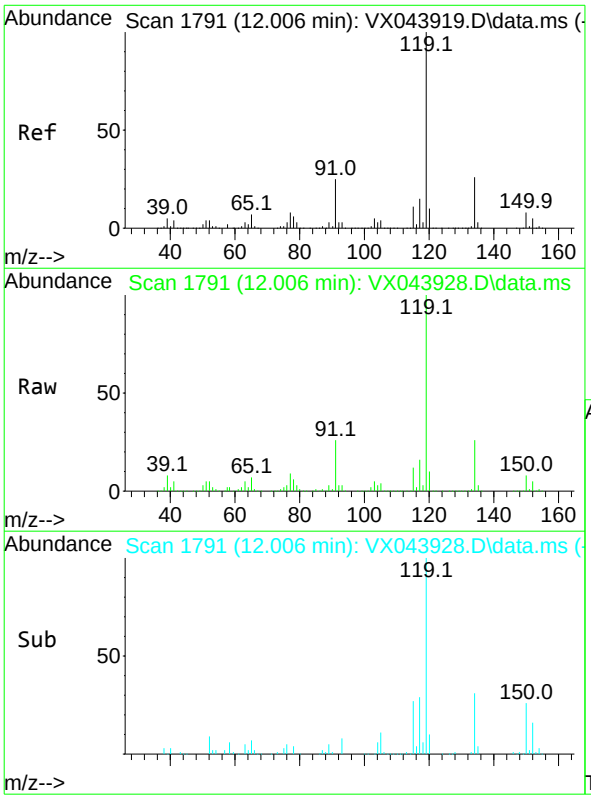
Ion	Ratio	Lower	Upper
105	100		
134	19.4	10.0	29.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

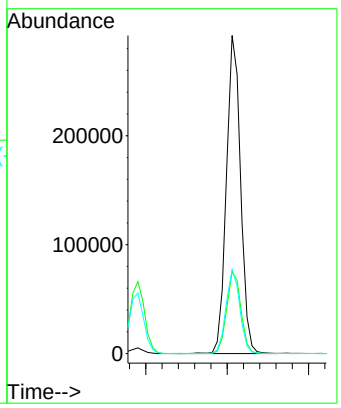
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

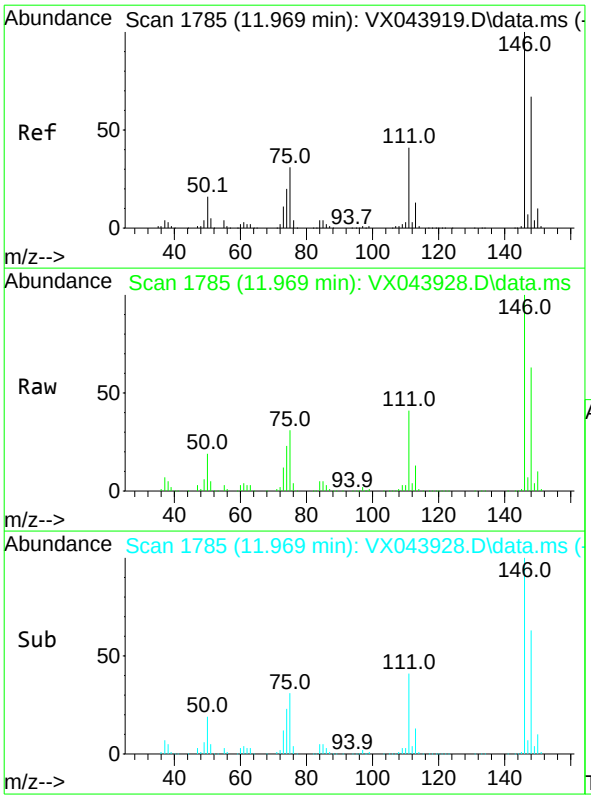


#86
p-Isopropyltoluene
Concen: 58.026 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

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

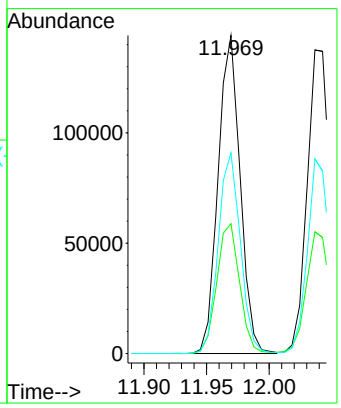




#87
1,3-Dichlorobenzene
Concen: 54.401 ug/l
RT: 11.969 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:146 Resp: 176936

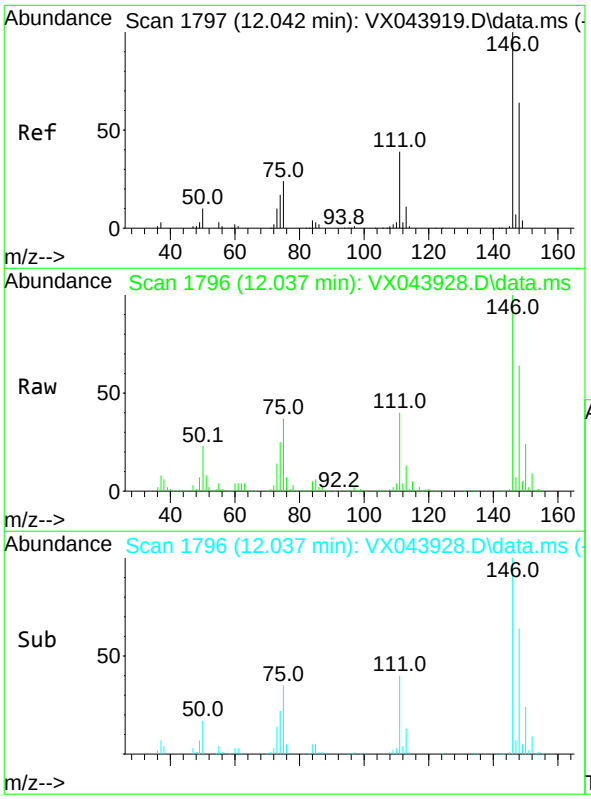
Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.8	62.2
148	63.4	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

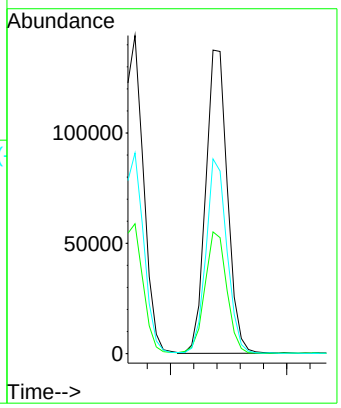
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

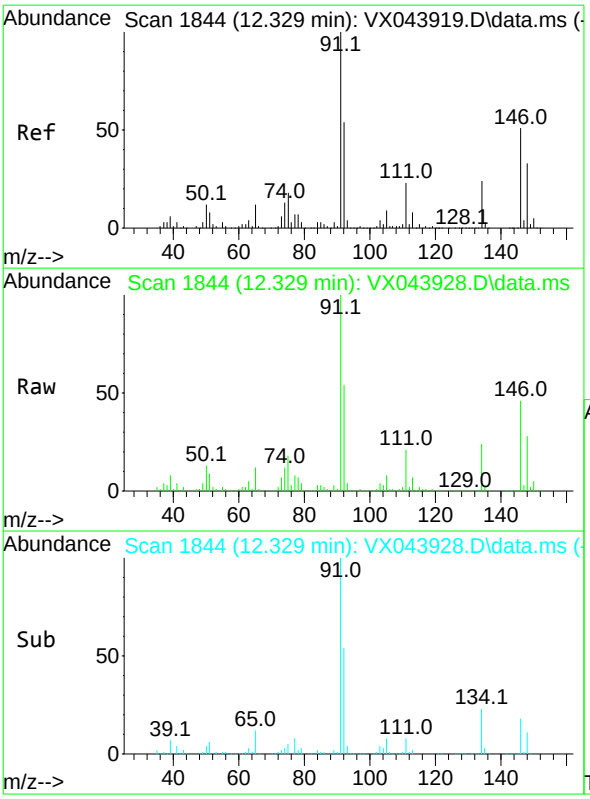


#88
1,4-Dichlorobenzene
Concen: 53.598 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

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

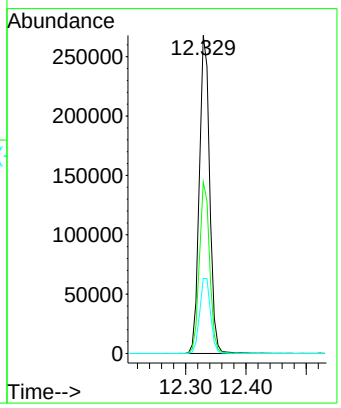




#89
n-Butylbenzene
Concen: 61.581 ug/l
RT: 12.329 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 91 Resp: 319448

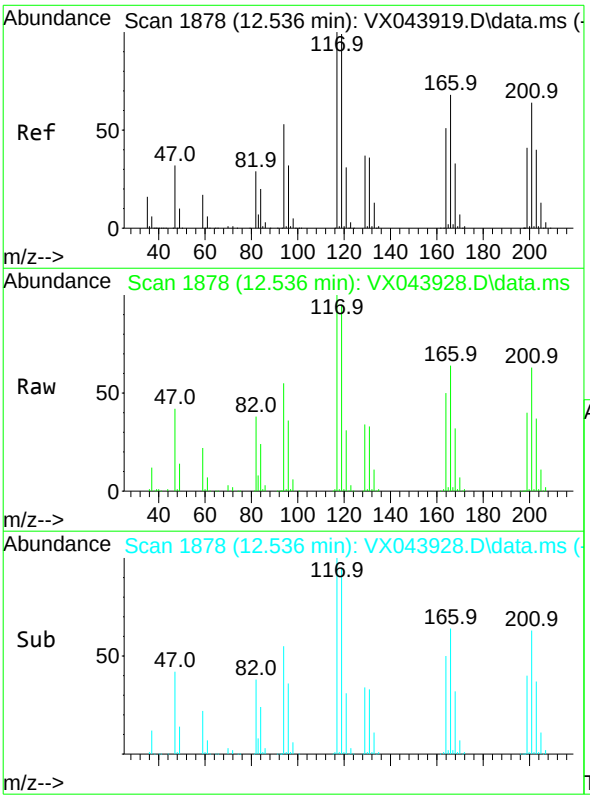
Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.9	80.6
134	24.8	12.9	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

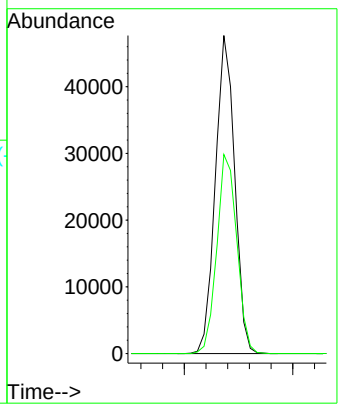
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

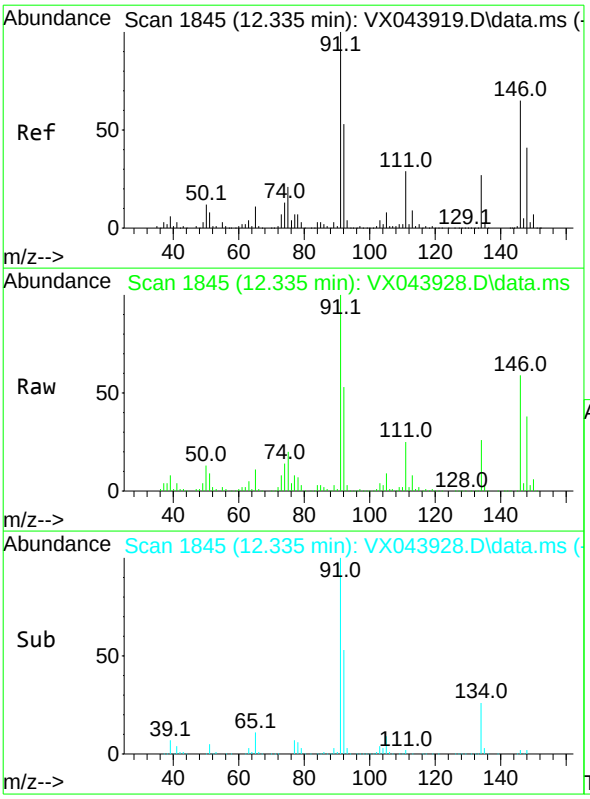


#90
Hexachloroethane
Concen: 57.586 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

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

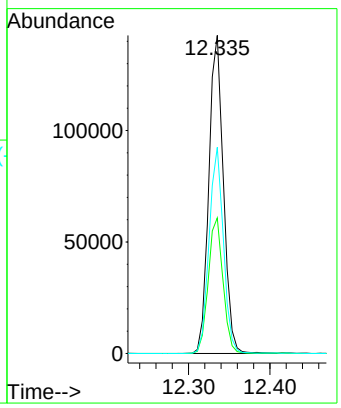
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

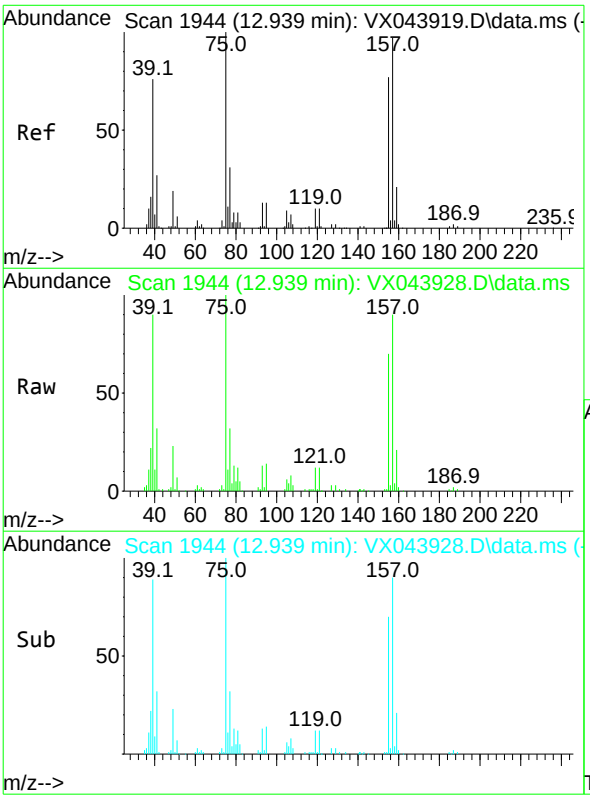
Tgt Ion:146 Resp: 177334

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

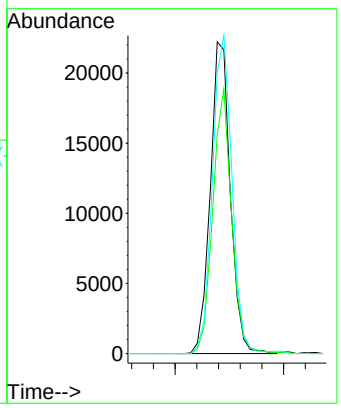


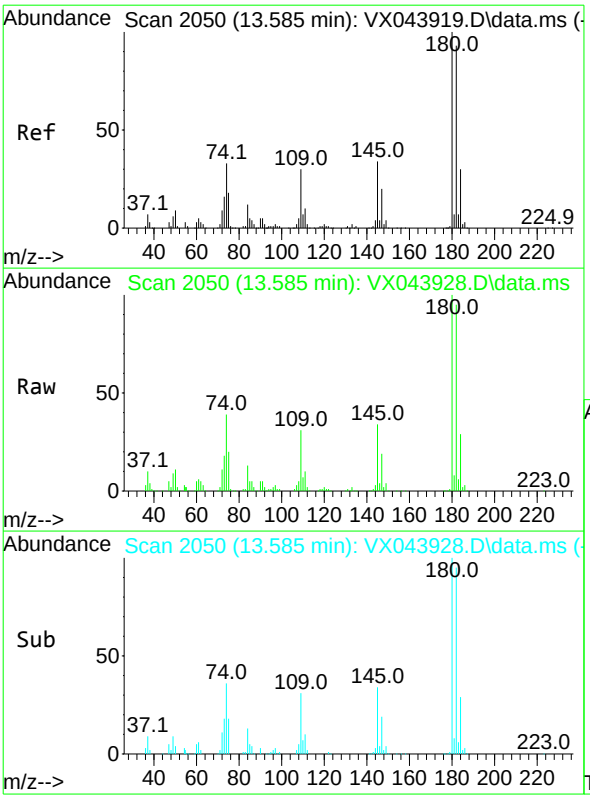


#92
1,2-Dibromo-3-Chloropropane
Concen: 56.961 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

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

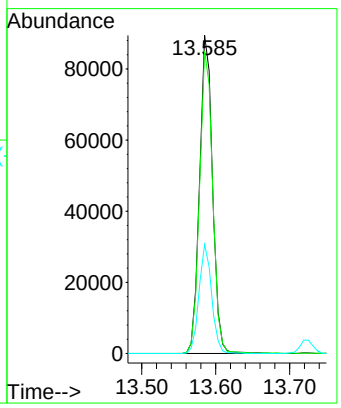




#93
1,2,4-Trichlorobenzene
Concen: 54.645 ug/l
RT: 13.585 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:180 Resp: 108749

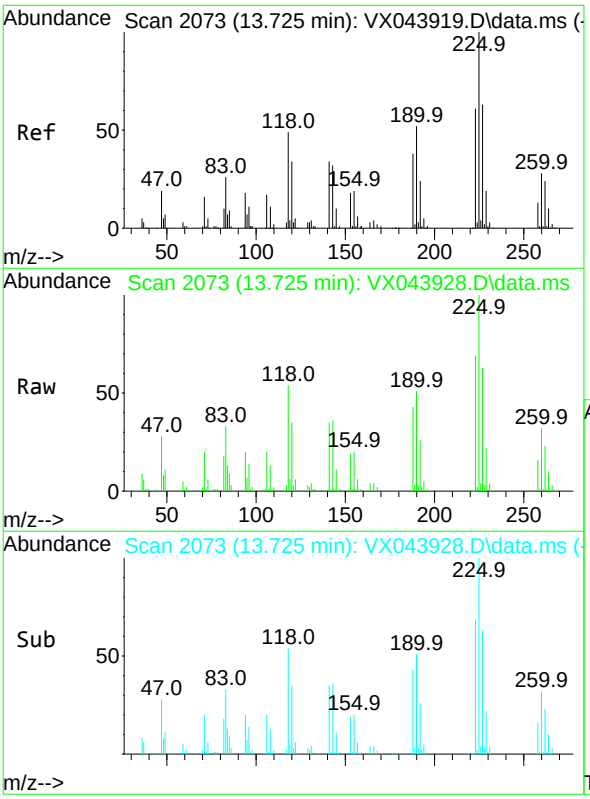
Ion	Ratio	Lower	Upper
180	100		
182	96.1	46.8	140.4
145	33.6	16.4	49.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

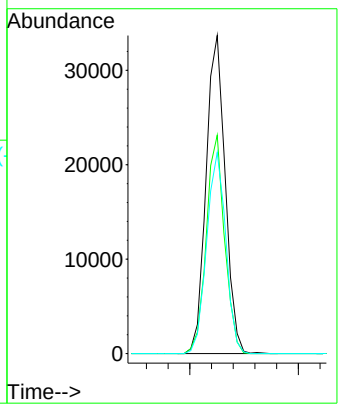
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

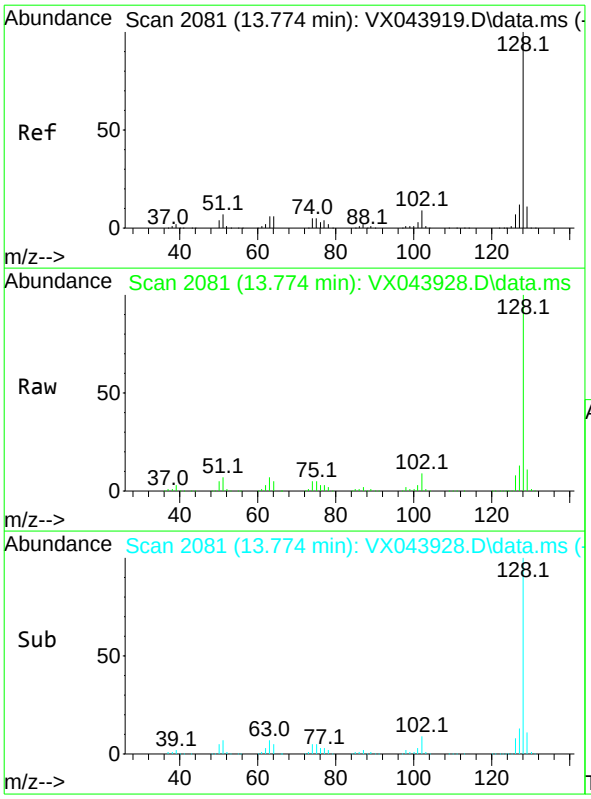


#94
Hexachlorobutadiene
Concen: 50.599 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

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

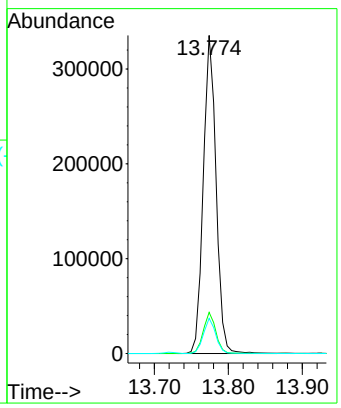




#95
Naphthalene
Concen: 54.142 ug/l
RT: 13.774 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:128 Resp: 401752

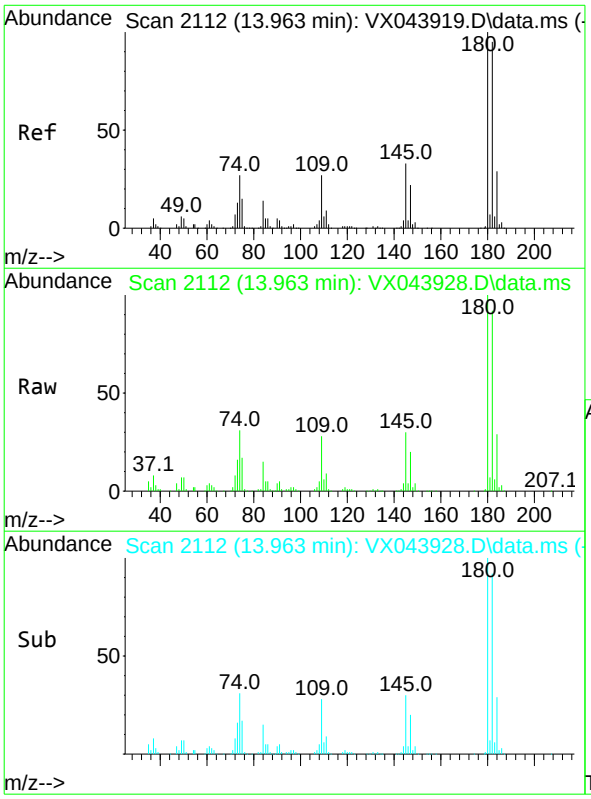
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.1	15.1
129	10.7	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

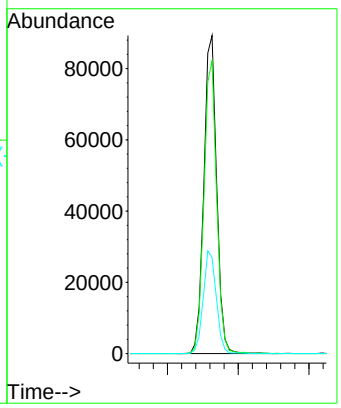
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#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

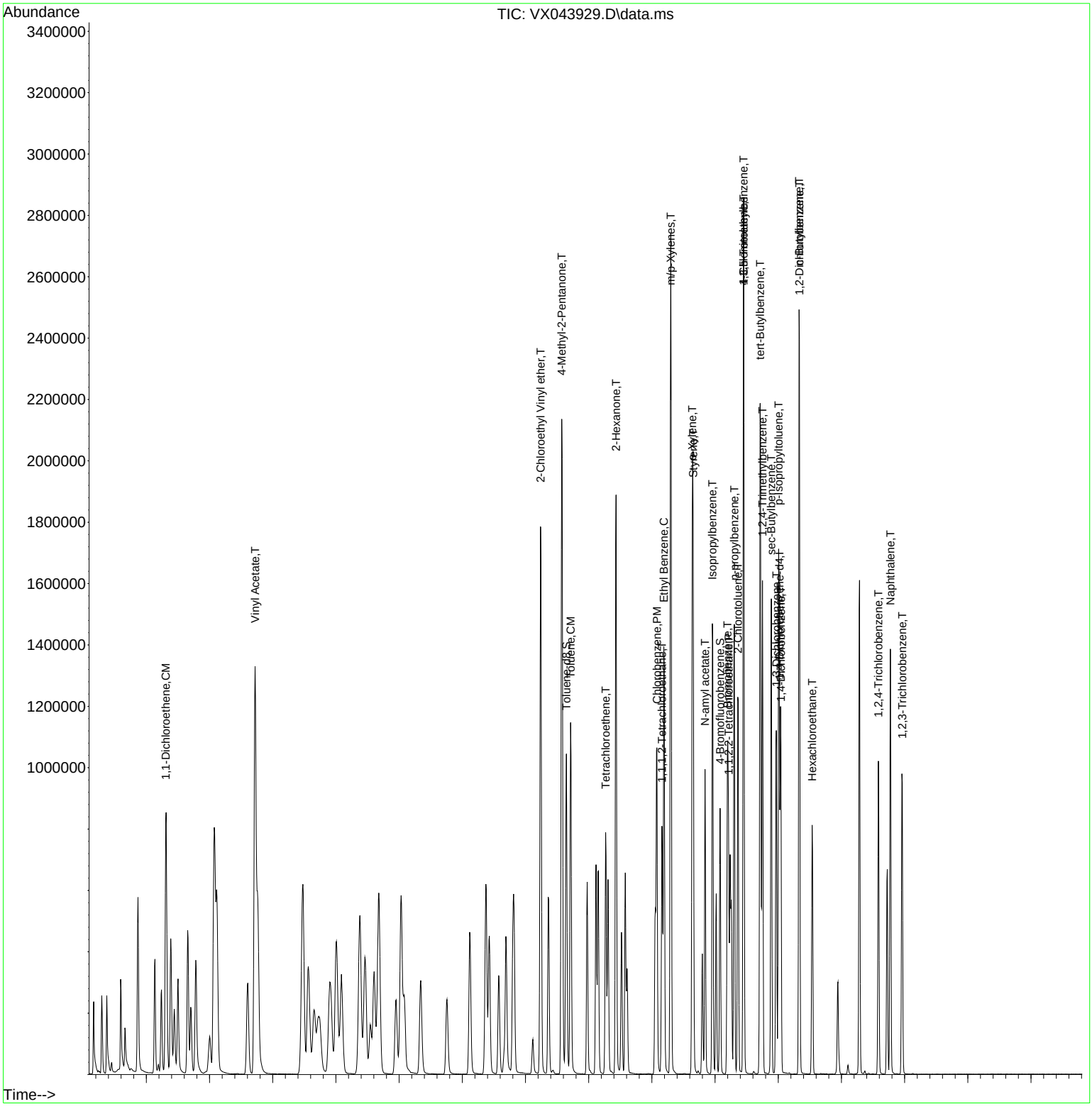
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043929.D
Acq On : 21 Nov 2024 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

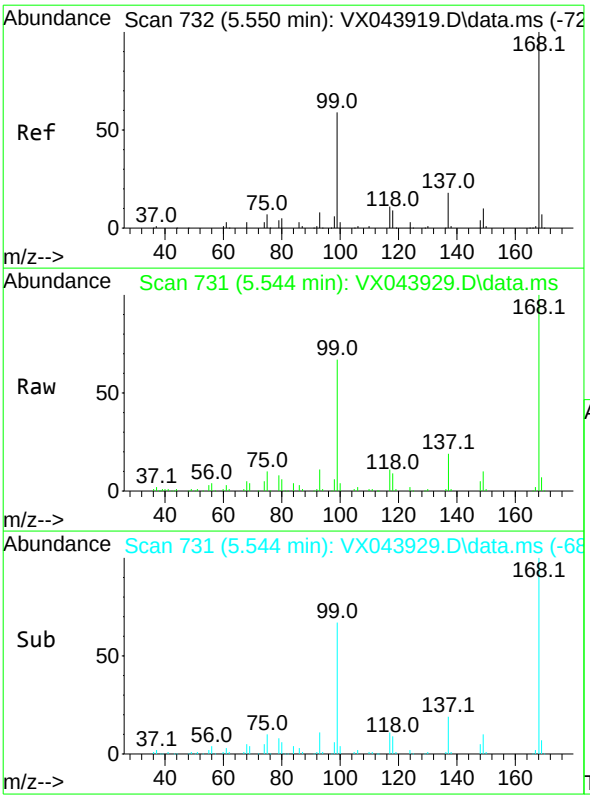
Quant Time: Nov 21 12:15:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 11:25:29 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

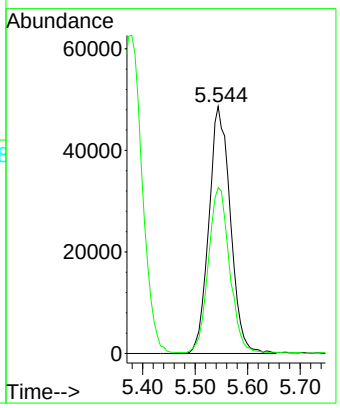




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. -0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:168 Resp: 138314

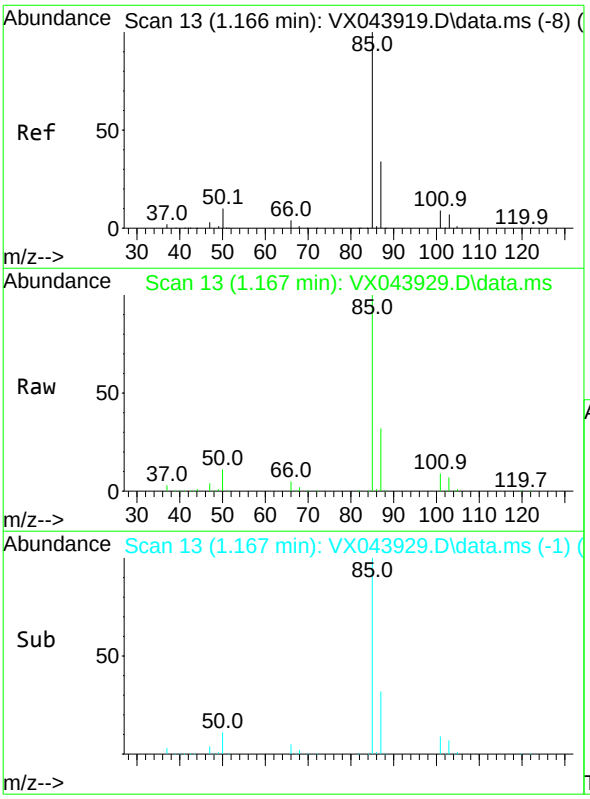
Ion	Ratio	Lower	Upper
168	100		
99	66.7	46.9	70.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

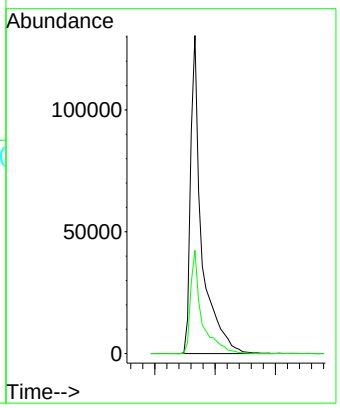
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

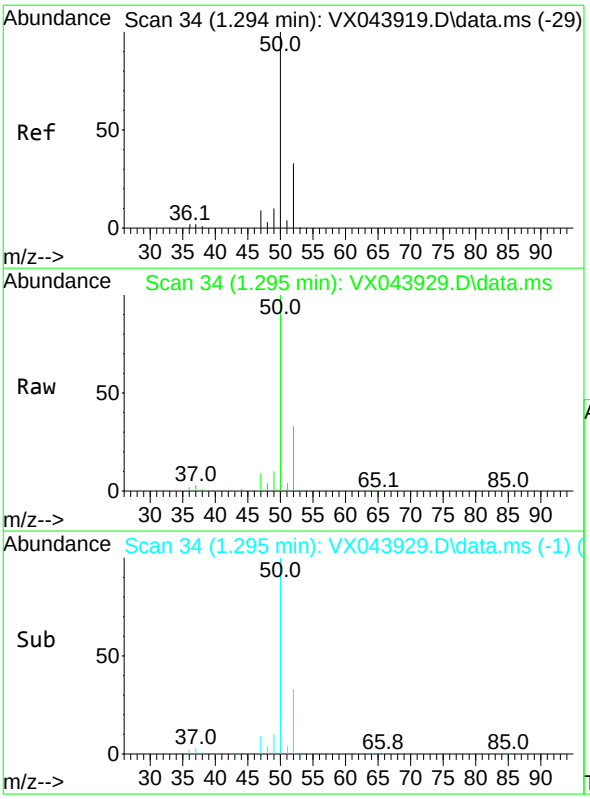


#2
Dichlorodifluoromethane
Concen: 118.713 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 85 Resp: 166145

Ion	Ratio	Lower	Upper
85	100		
87	32.5	17.1	51.2

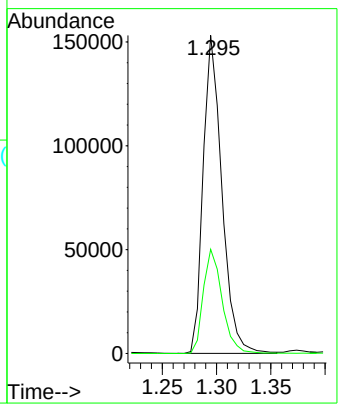




#3
Chloromethane
Concen: 105.136 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 50 Resp: 183899

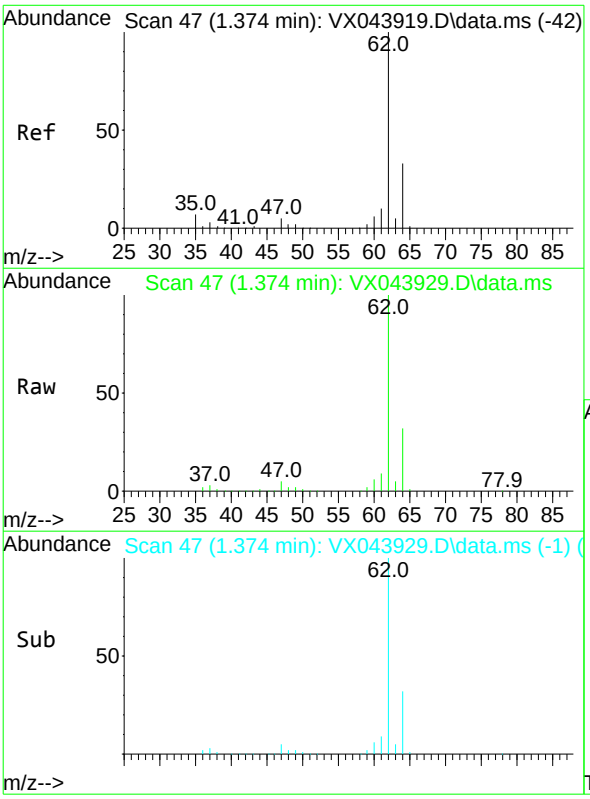
Ion	Ratio	Lower	Upper
50	100		
52	32.8	26.2	39.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

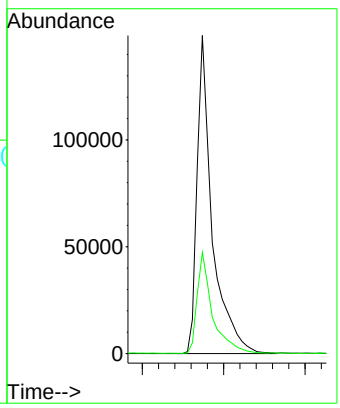
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

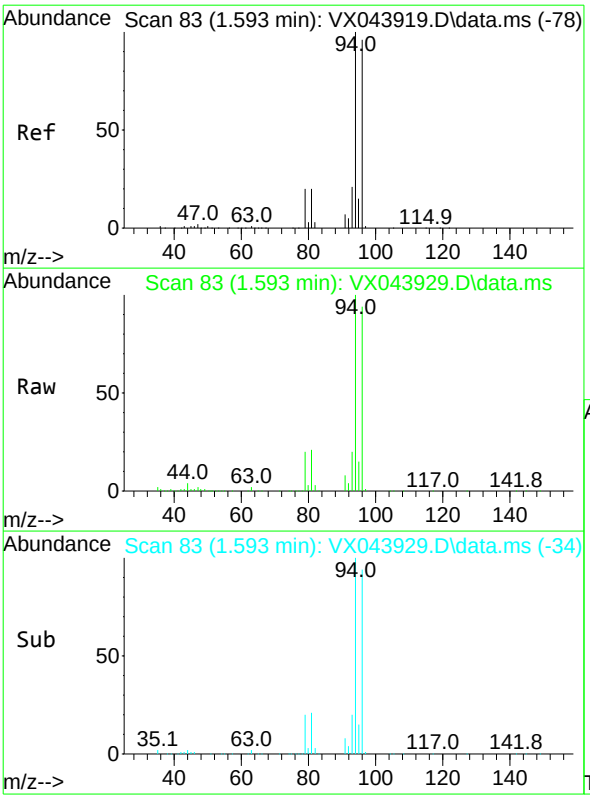


#4
Vinyl Chloride
Concen: 109.377 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 62 Resp: 192221

Ion	Ratio	Lower	Upper
62	100		
64	31.7	26.1	39.1

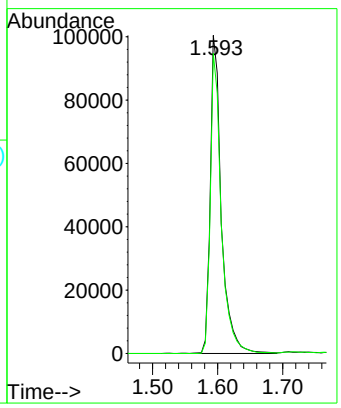




#5
Bromomethane
Concen: 148.807 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 94 Resp: 118792

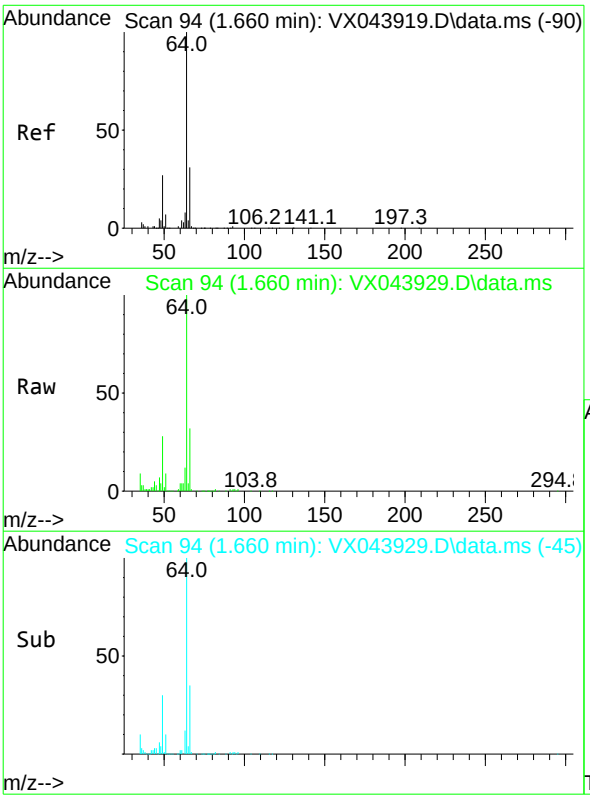
Ion	Ratio	Lower	Upper
94	100		
96	94.3	76.5	114.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

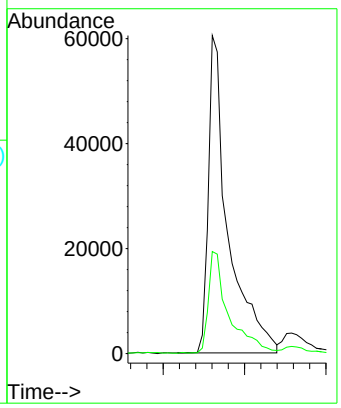
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

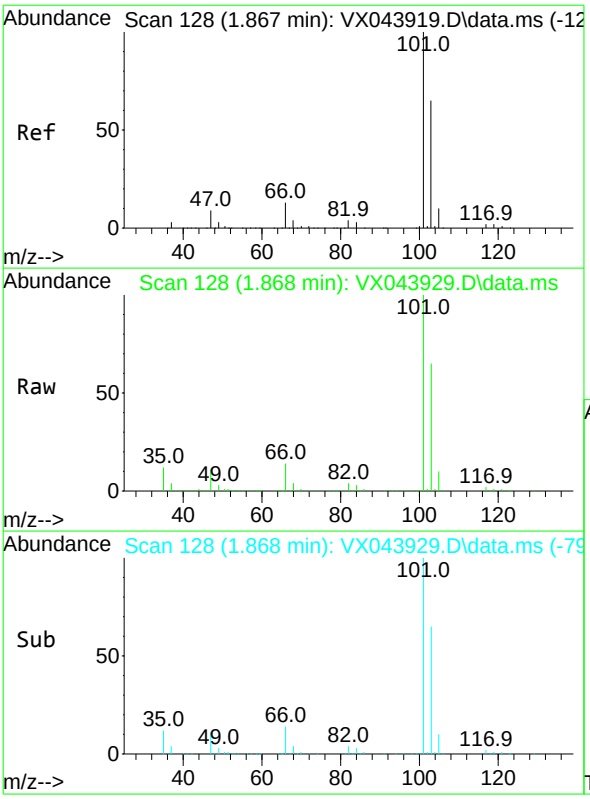


#6
Chloroethane
Concen: 121.286 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 64 Resp: 101816

Ion	Ratio	Lower	Upper
64	100		
66	32.0	24.9	37.3

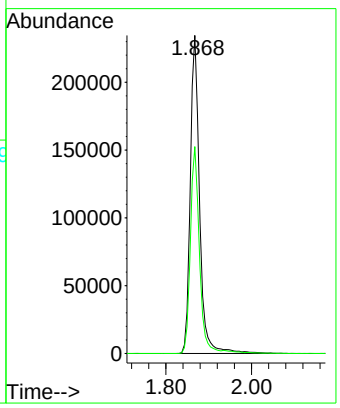




#7
Trichlorofluoromethane
Concen: 141.438 ug/l
RT: 1.868 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:101 Resp: 354375

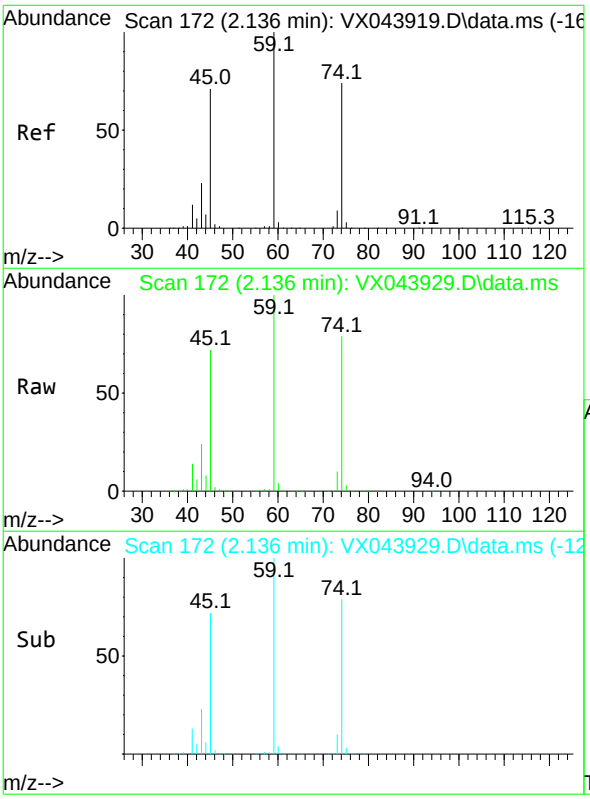
Ion	Ratio	Lower	Upper
101	100		
103	65.0	52.2	78.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

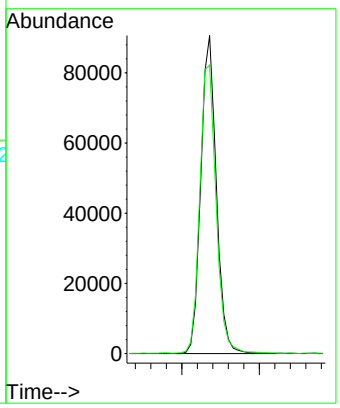
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

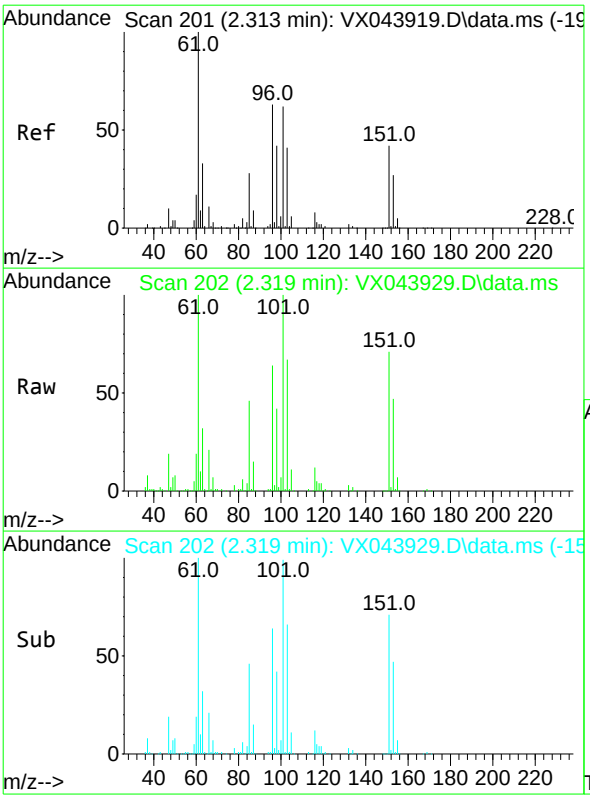


#8
Diethyl Ether
Concen: 133.219 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

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

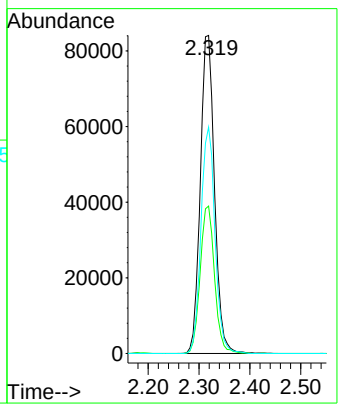
Tgt Ion:101 Resp: 162988

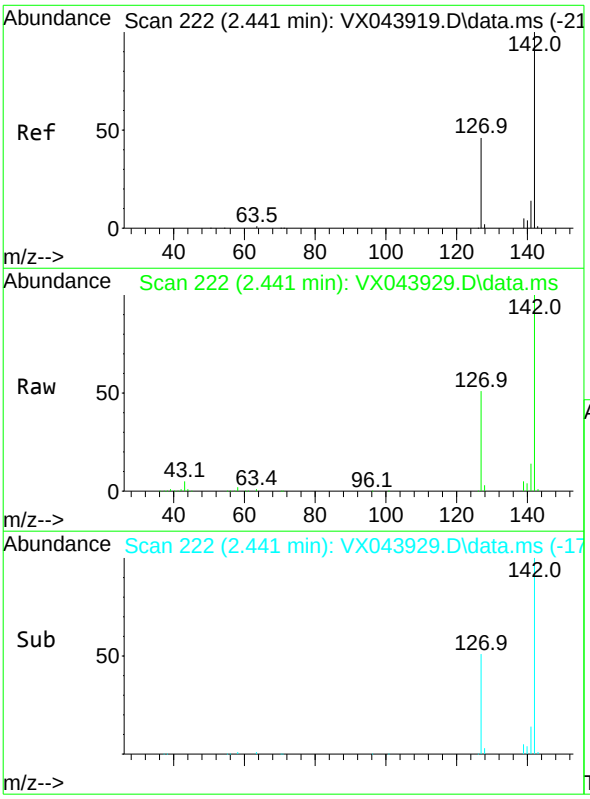
Ion	Ratio	Lower	Upper
101	100		
85	47.0	36.6	54.8
151	70.5	59.8	89.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

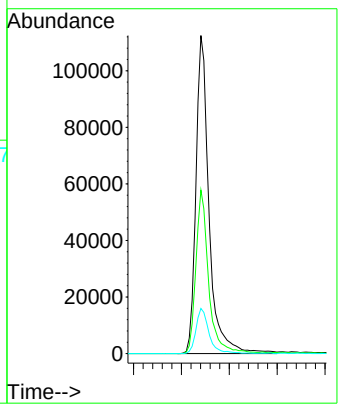


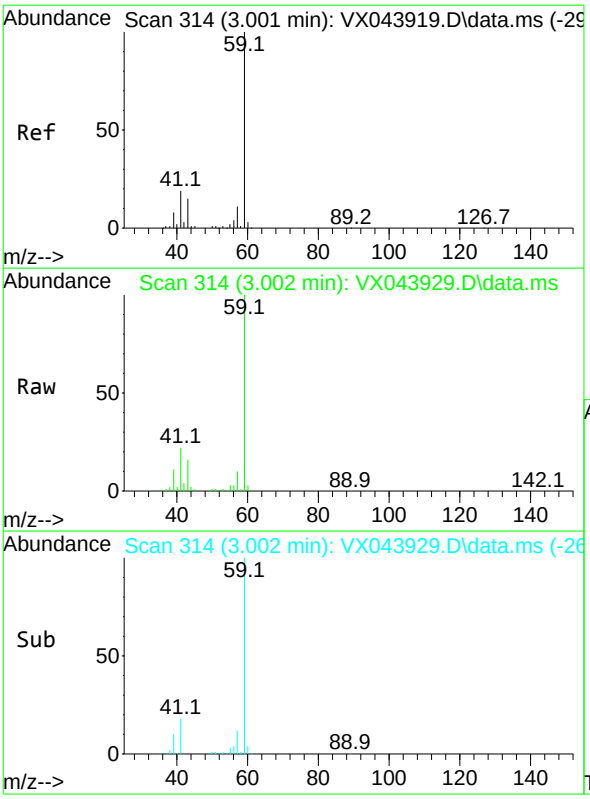


#10
Methyl Iodide
Concen: 102.481 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

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

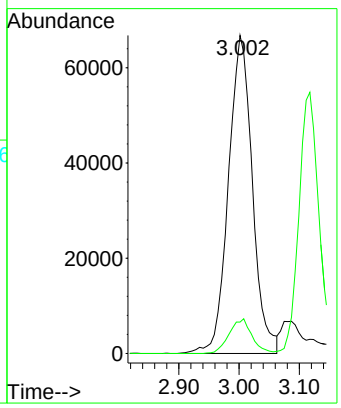




#11
Tert butyl alcohol
Concen: 546.882 ug/l
RT: 3.002 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 59 Resp: 184757

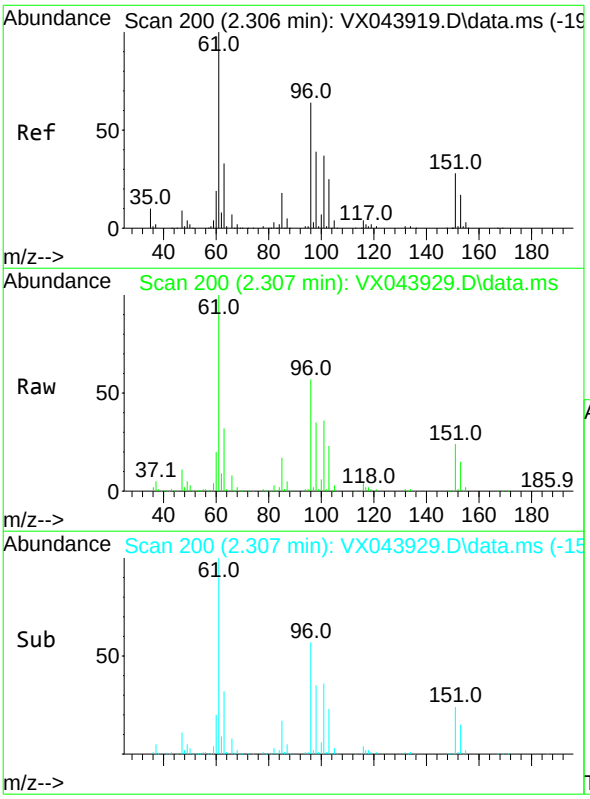
Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

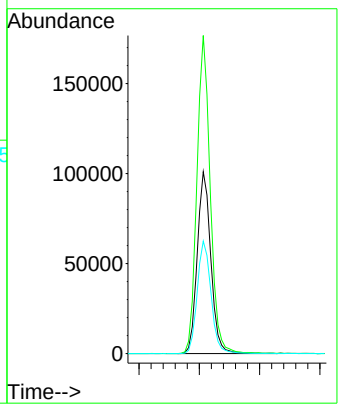
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

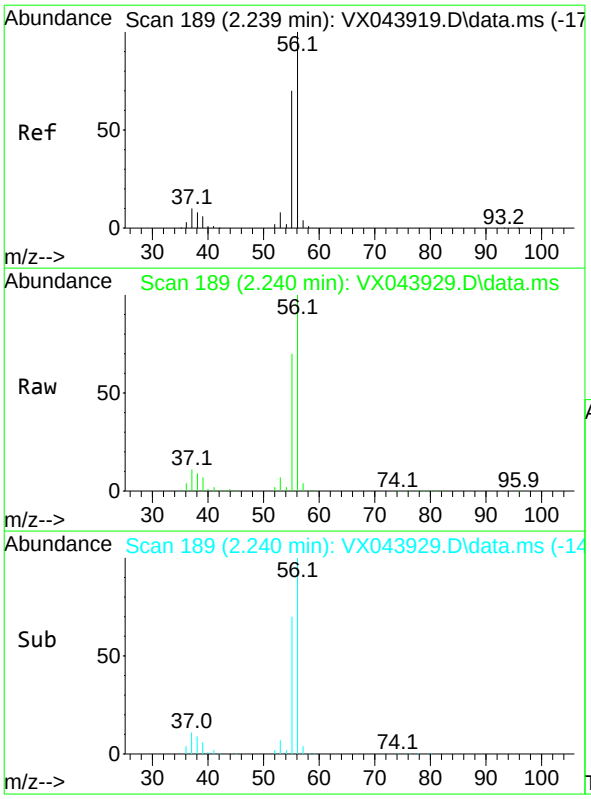


#12
1,1-Dichloroethene
Concen: 109.868 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

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

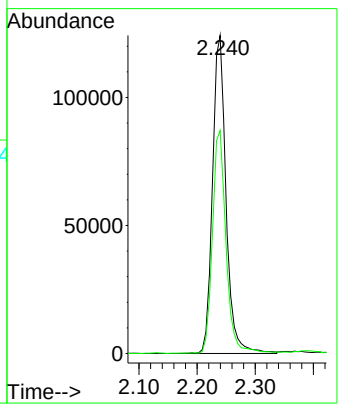




#13
Acrolein
Concen: 530.320 ug/l
RT: 2.240 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 56 Resp: 200929

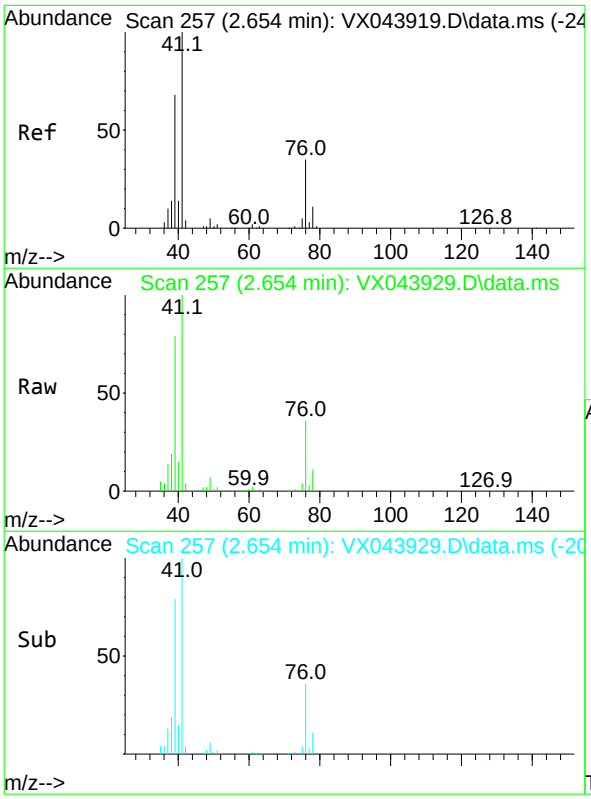
Ion	Ratio	Lower	Upper
56	100		
55	70.5	56.1	84.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

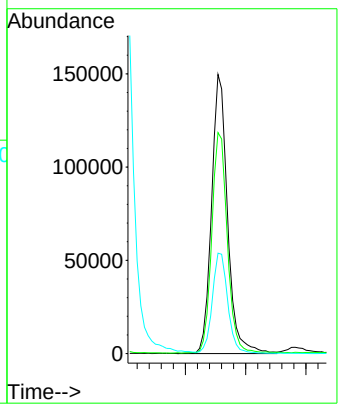
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

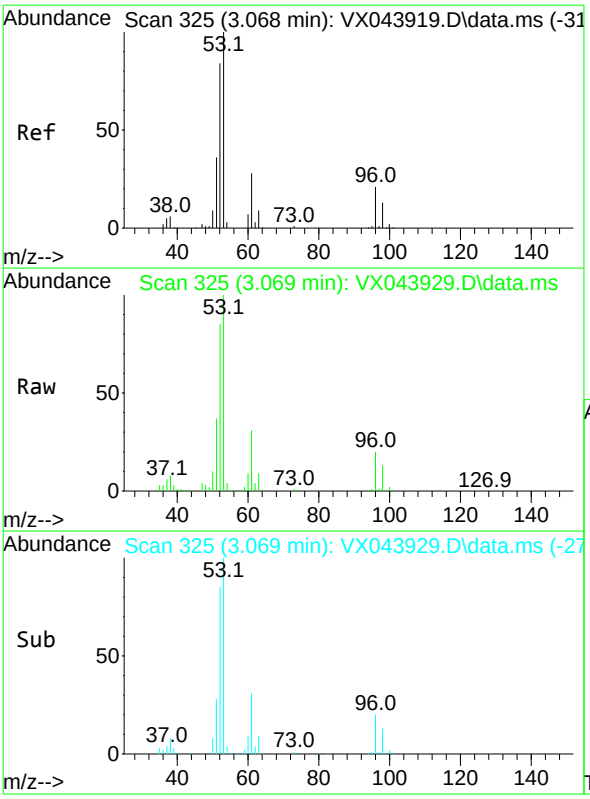


#14
Allyl chloride
Concen: 118.320 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

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

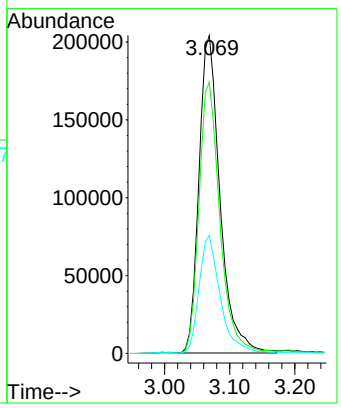




#15
Acrylonitrile
Concen: 527.361 ug/l
RT: 3.069 min Scan# 32
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 53 Resp: 458624

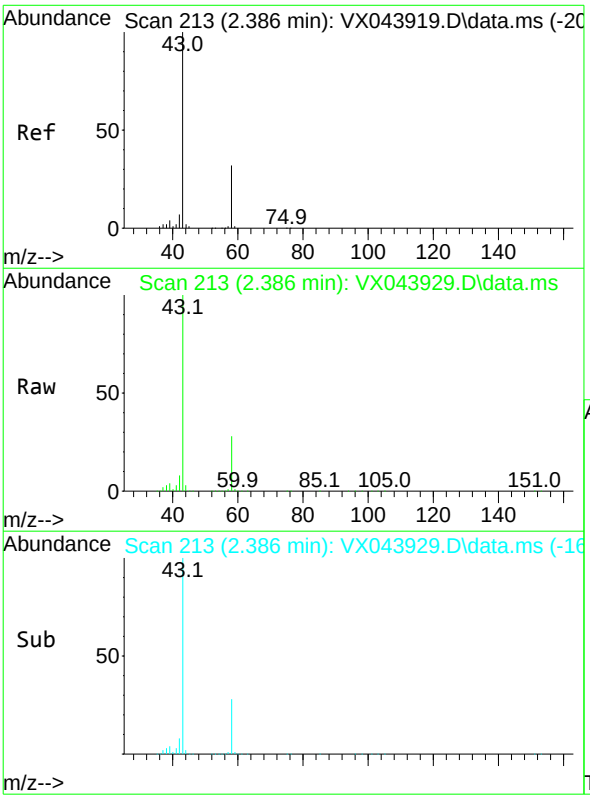
Ion	Ratio	Lower	Upper
53	100		
52	85.0	65.8	98.8
51	37.0	28.6	42.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

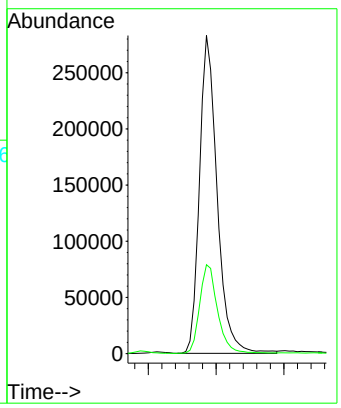
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

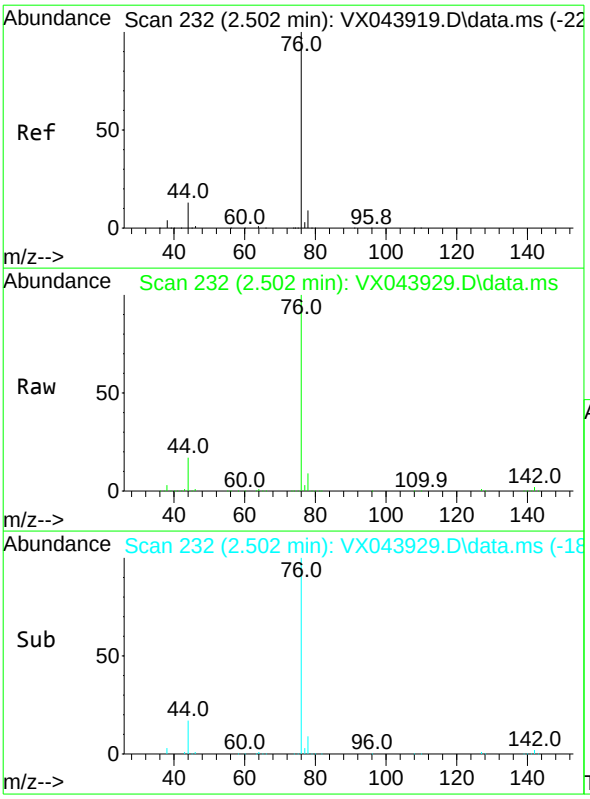


#16
Acetone
Concen: 598.985 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 43 Resp: 511112

Ion	Ratio	Lower	Upper
43	100		
58	27.9	25.8	38.6

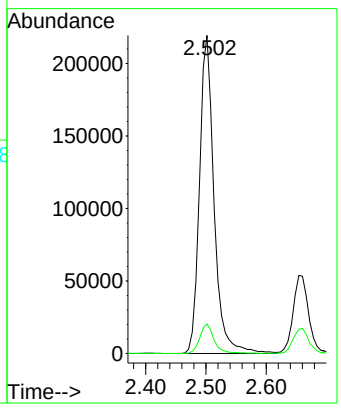




#17
Carbon Disulfide
Concen: 117.100 ug/l
RT: 2.502 min Scan# 23
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 76 Resp: 367958

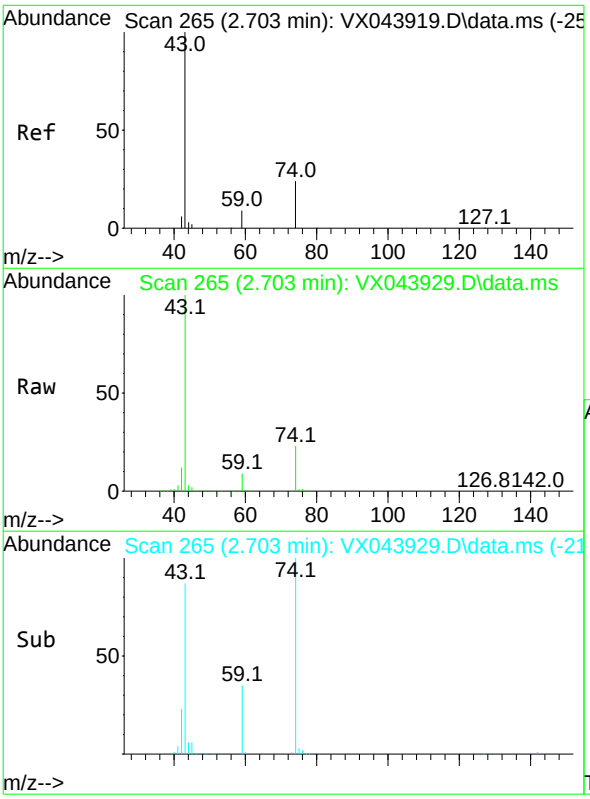
Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

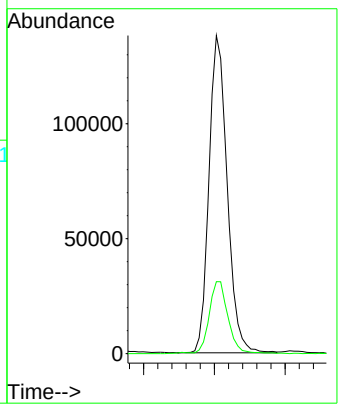
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

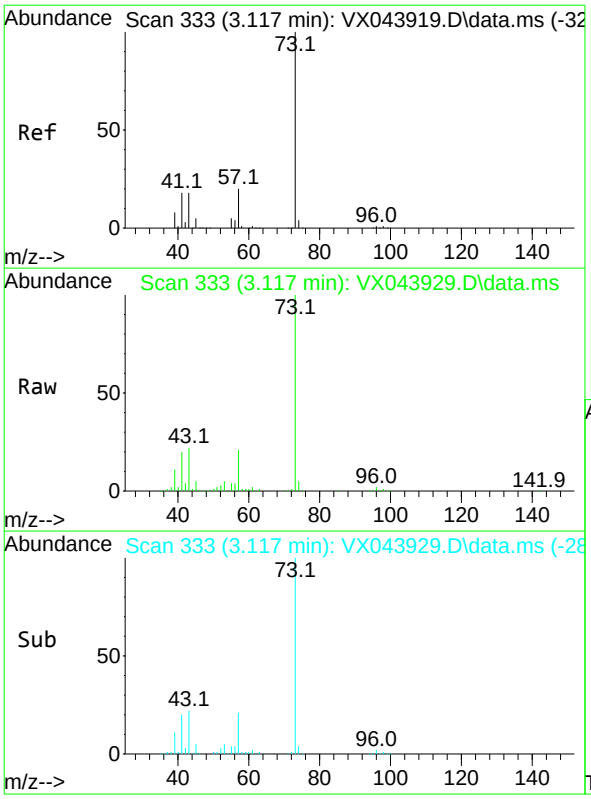


#18
Methyl Acetate
Concen: 105.800 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 43 Resp: 247225

Ion	Ratio	Lower	Upper
43	100		
74	23.3	20.1	30.1

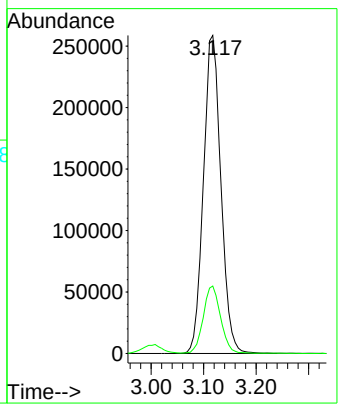




#19
Methyl tert-butyl Ether
Concen: 112.347 ug/l
RT: 3.117 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 73 Resp: 597600

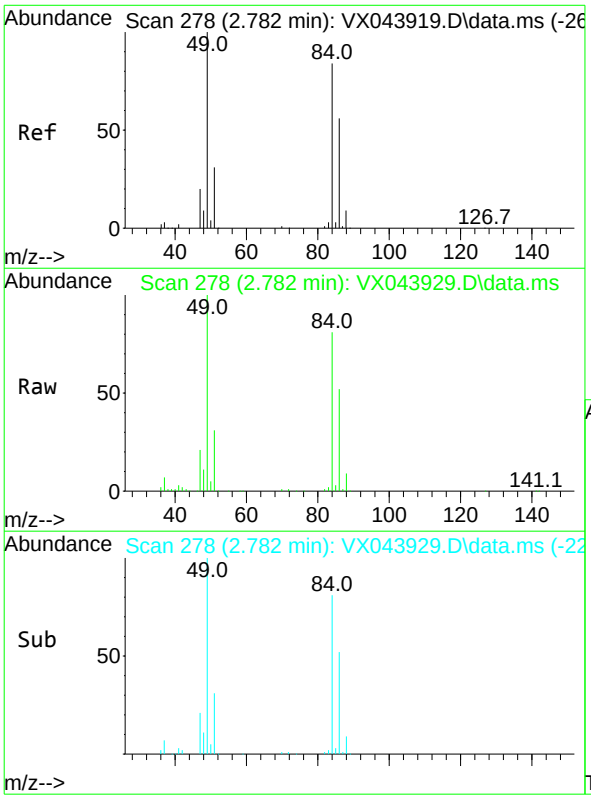
Ion	Ratio	Lower	Upper
73	100		
57	21.1	16.4	24.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

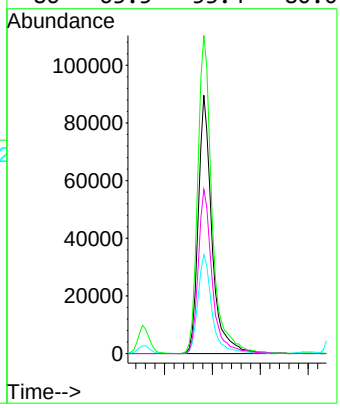
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

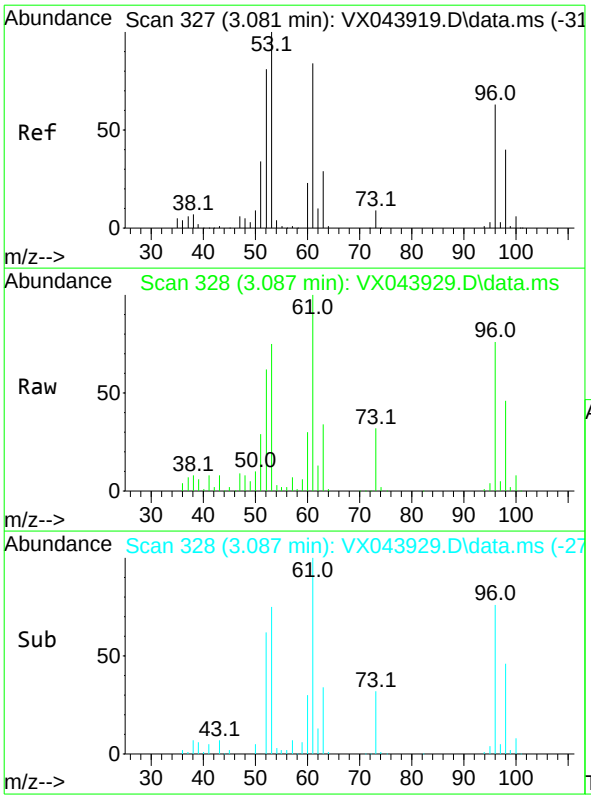


#20
Methylene Chloride
Concen: 99.663 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

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

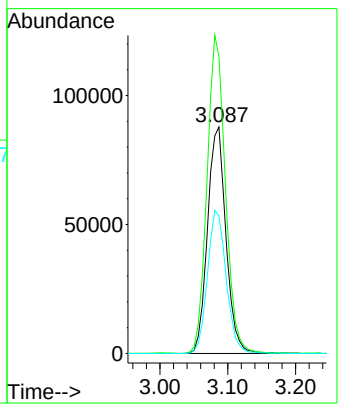




#21
trans-1,2-Dichloroethene
Concen: 105.798 ug/l
RT: 3.087 min Scan# 32
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 96 Resp: 165989

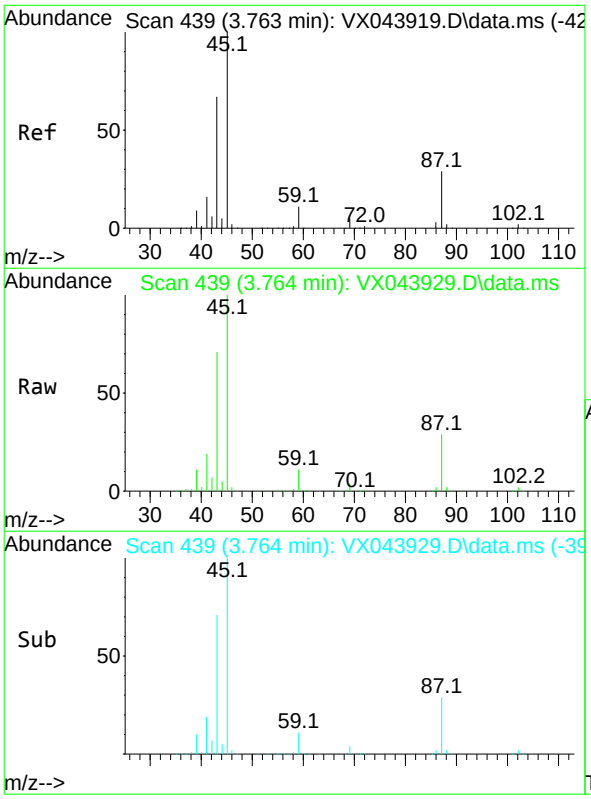
Ion	Ratio	Lower	Upper
96	100		
61	131.1	106.4	159.6
98	60.7	50.9	76.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

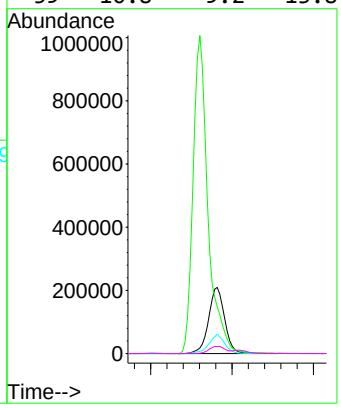
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

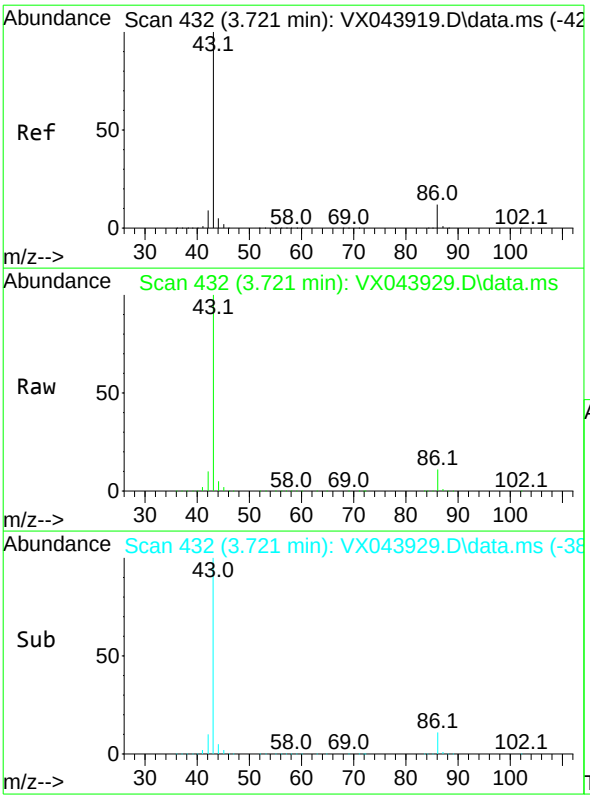


#22
Diisopropyl ether
Concen: 112.380 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

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

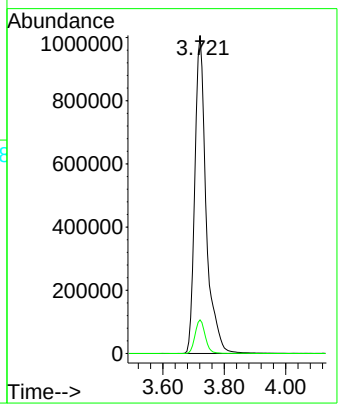




#23
Vinyl Acetate
Concen: 622.111 ug/l
RT: 3.721 min Scan# 43
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 43 Resp: 2570419

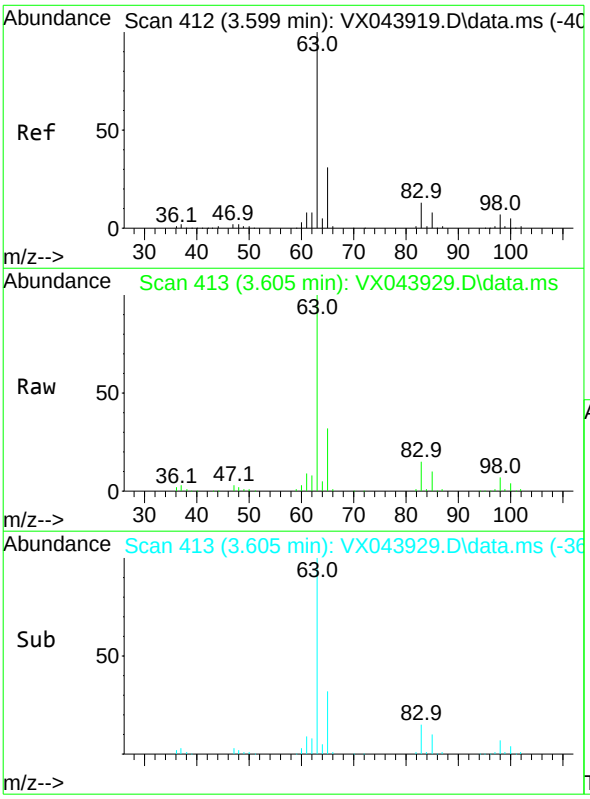
Ion	Ratio	Lower	Upper
43	100		
86	10.6	9.4	14.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

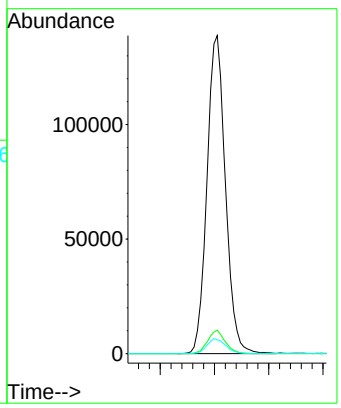
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

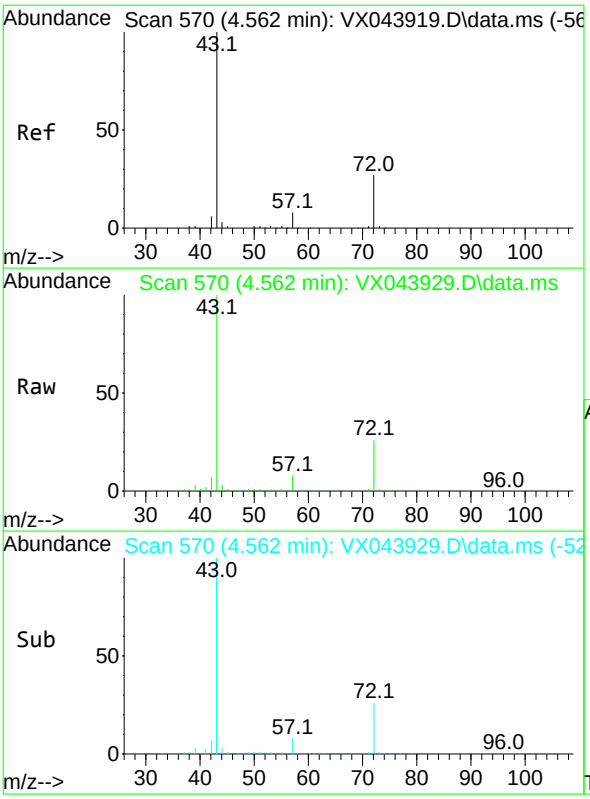


#24
1,1-Dichloroethane
Concen: 109.327 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

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

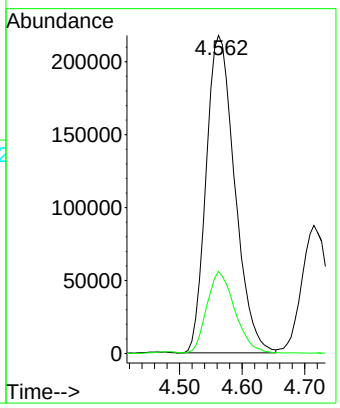




#25
2-Butanone
Concen: 578.867 ug/l
RT: 4.562 min Scan# 57
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 43 Resp: 690992

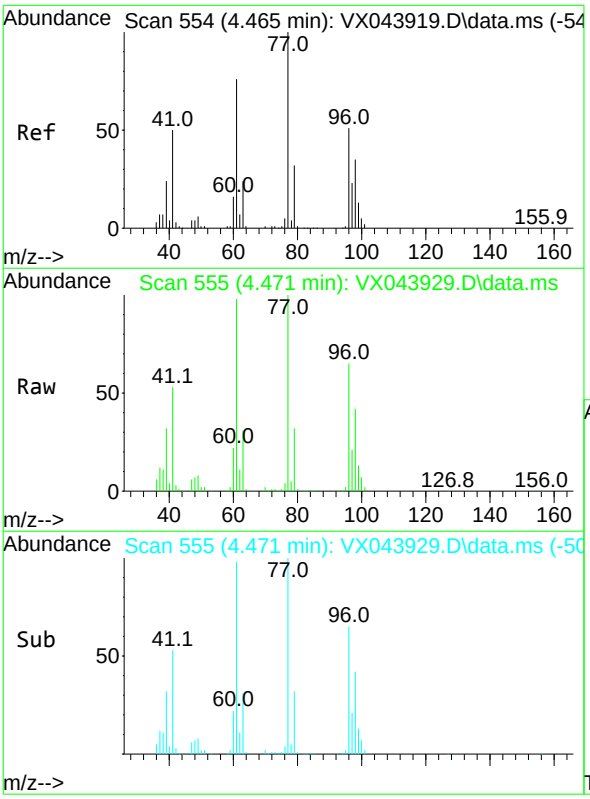
Ion	Ratio	Lower	Upper
43	100		
72	25.6	21.3	31.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

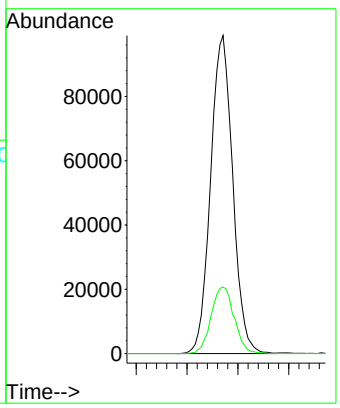
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

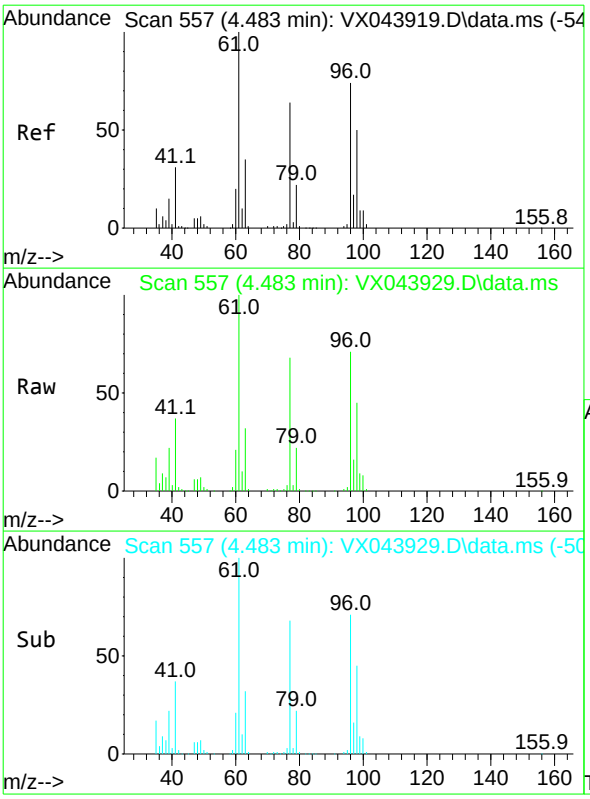


#26
2,2-Dichloropropane
Concen: 121.468 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 77 Resp: 299254

Ion	Ratio	Lower	Upper
77	100		
97	21.8	11.7	35.1

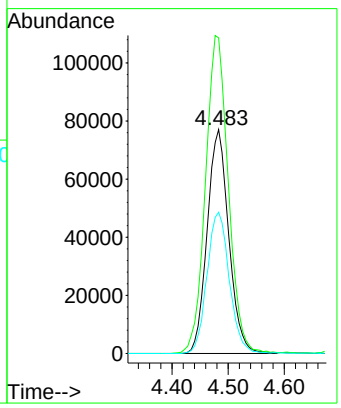




#27
cis-1,2-Dichloroethene
Concen: 105.613 ug/l
RT: 4.483 min Scan# 55
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 96 Resp: 206207

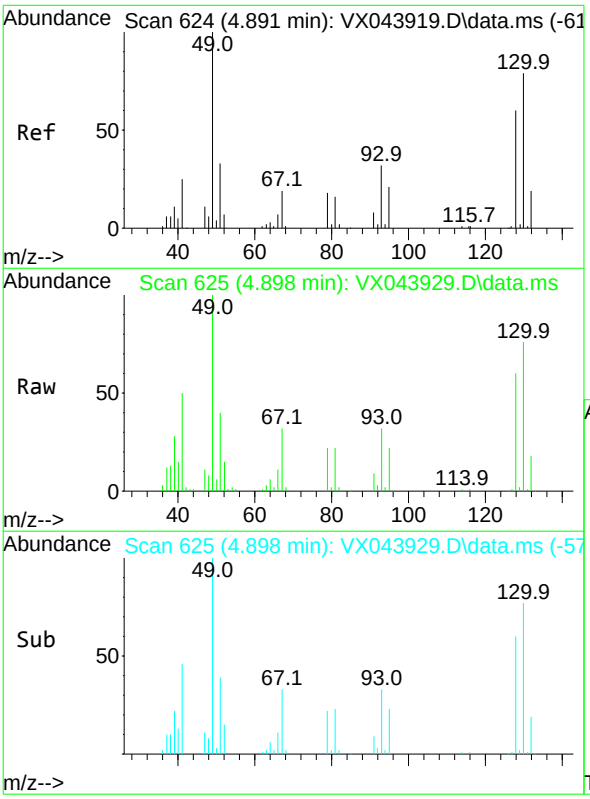
Ion	Ratio	Lower	Upper
96	100		
61	150.0	0.0	279.4
98	65.1	0.0	131.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

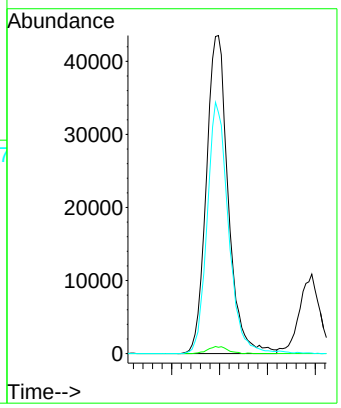
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

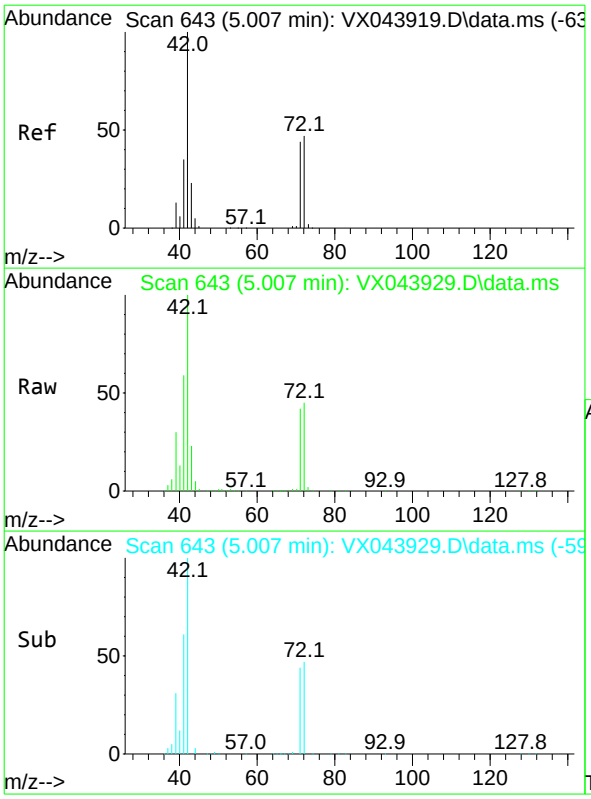


#28
Bromochloromethane
Concen: 109.575 ug/l
RT: 4.898 min Scan# 625
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

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

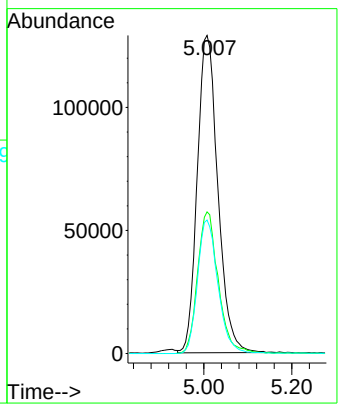




#29
Tetrahydrofuran
Concen: 543.649 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 42 Resp: 419337

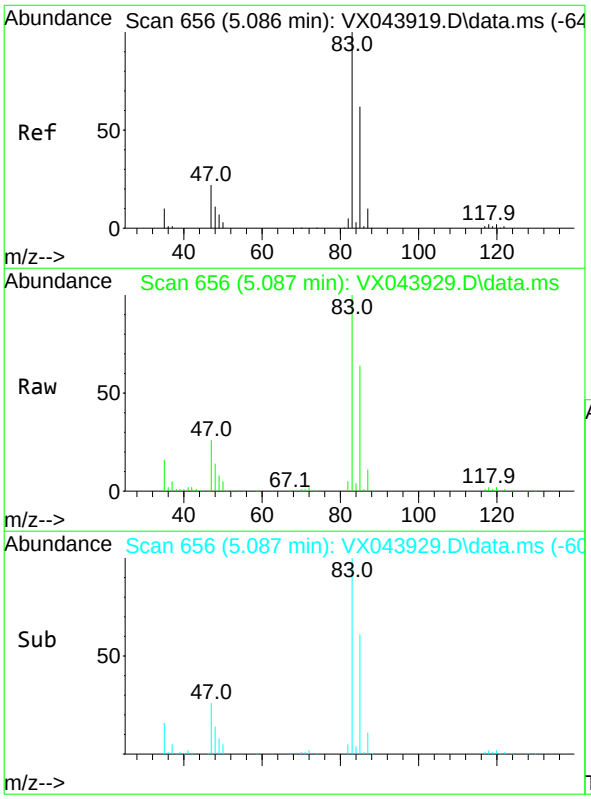
Ion	Ratio	Lower	Upper
42	100		
72	45.0	37.9	56.9
71	41.6	34.8	52.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

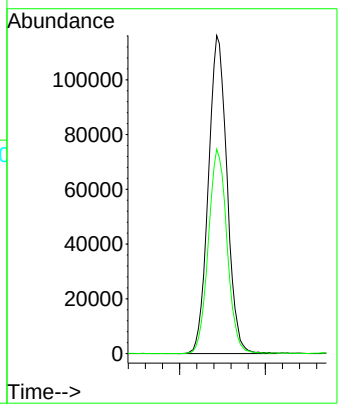
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

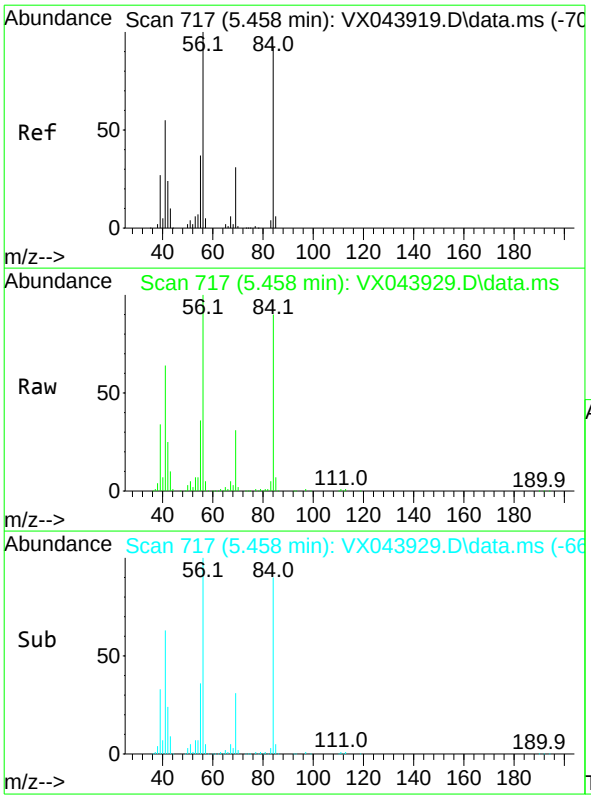


#30
Chloroform
Concen: 112.294 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 83 Resp: 350923

Ion	Ratio	Lower	Upper
83	100		
85	64.3	49.7	74.5

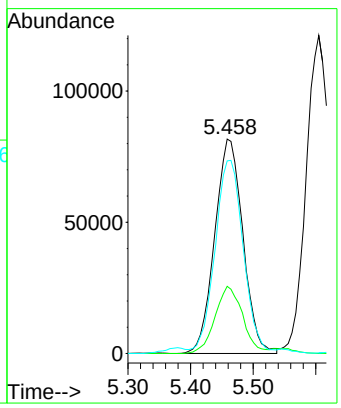




#31
Cyclohexane
Concen: 105.404 ug/l
RT: 5.458 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 56 Resp: 256114

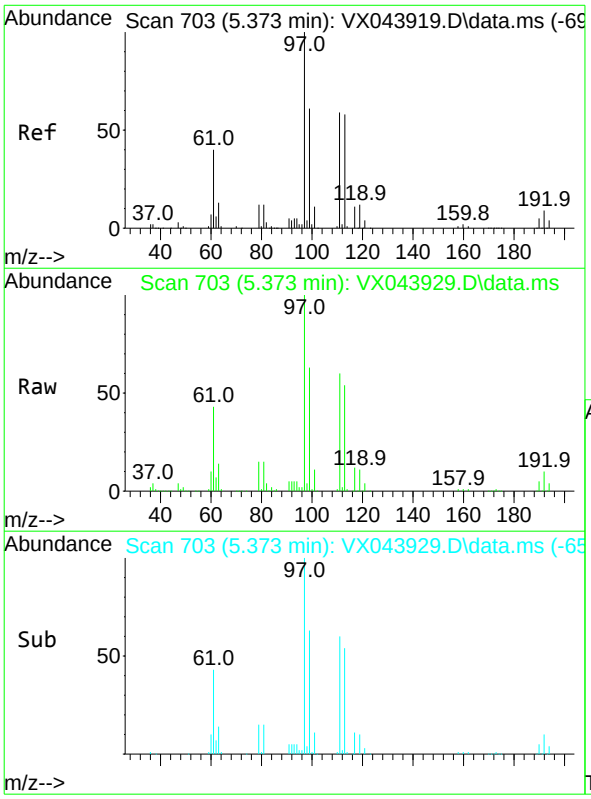
Ion	Ratio	Lower	Upper
56	100		
69	31.3	24.9	37.3
84	88.2	73.8	110.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

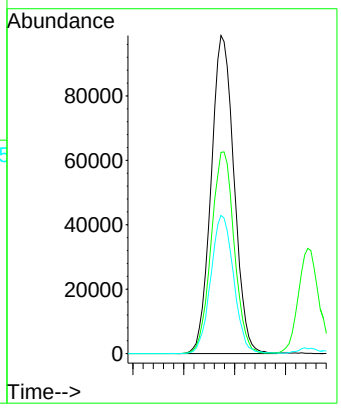
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

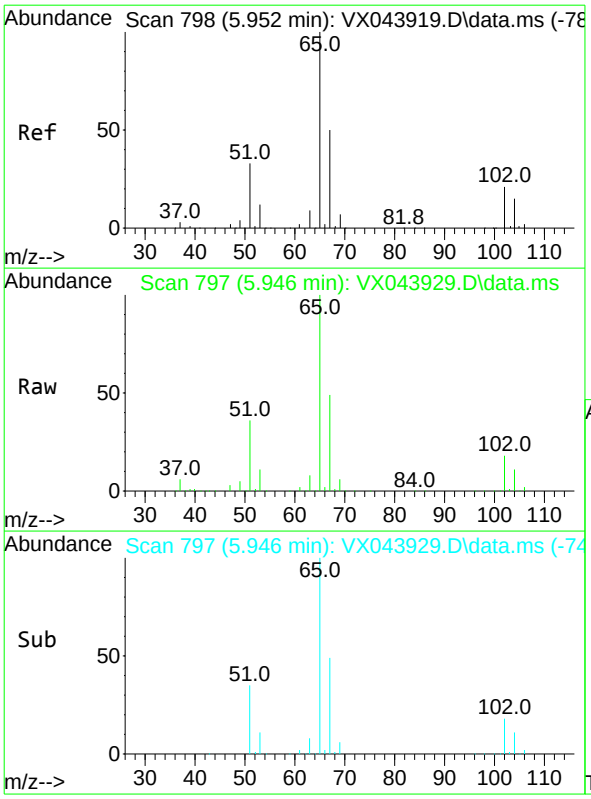


#32
1,1,1-Trichloroethane
Concen: 115.841 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

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

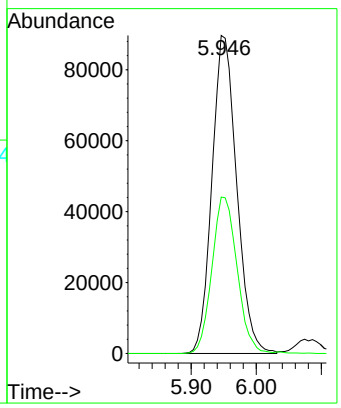




#33
1,2-Dichloroethane-d4
Concen: 111.333 ug/l
RT: 5.946 min Scan# 79
Delta R.T. -0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 65 Resp: 236531

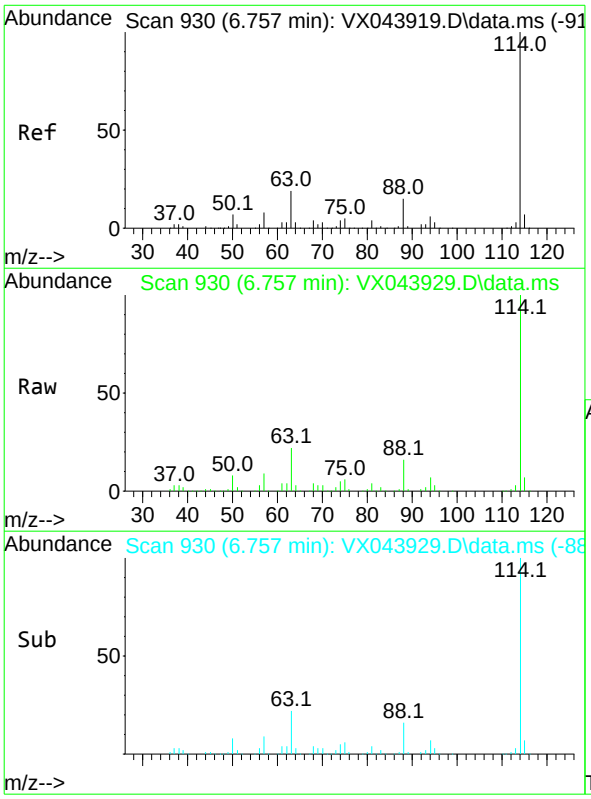
Ion	Ratio	Lower	Upper
65	100		
67	50.0	0.0	103.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

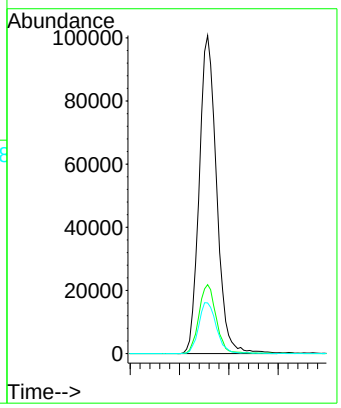
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

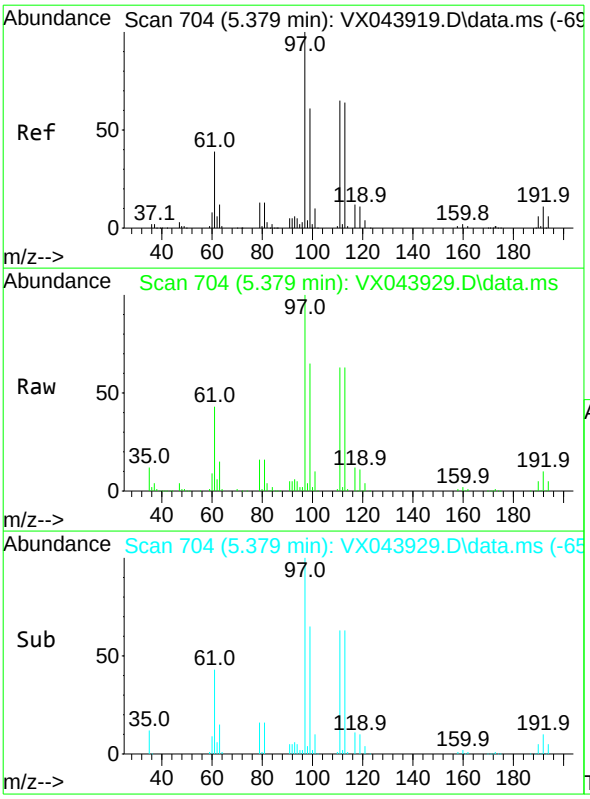


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

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

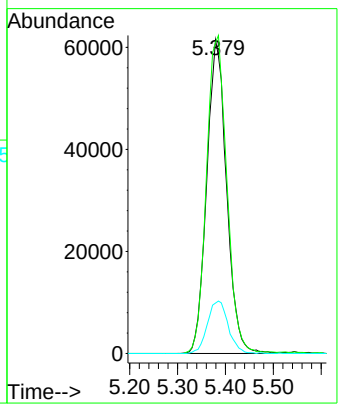
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

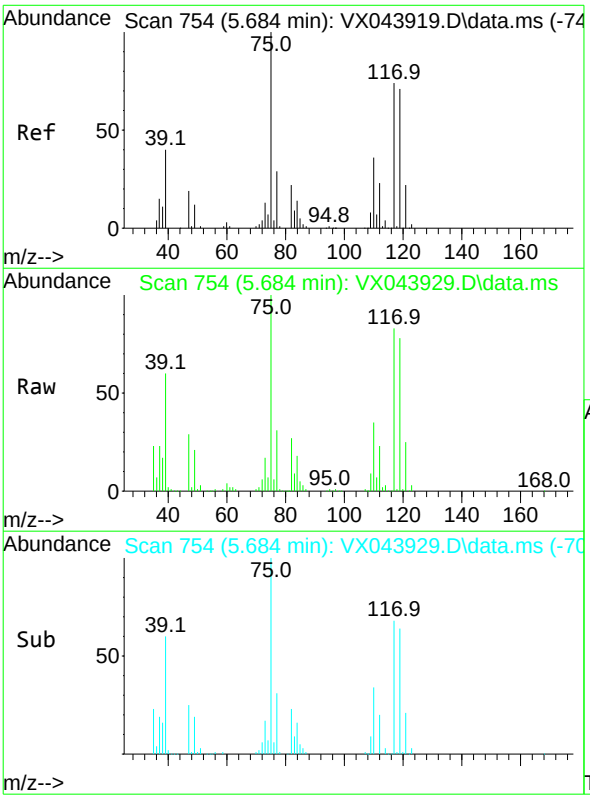
Tgt Ion:113 Resp: 176869

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

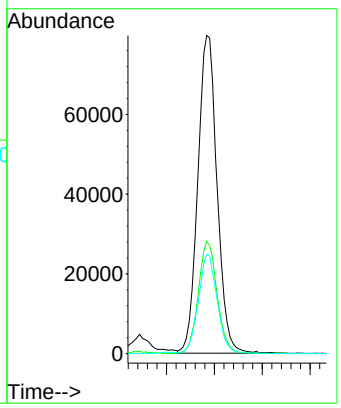


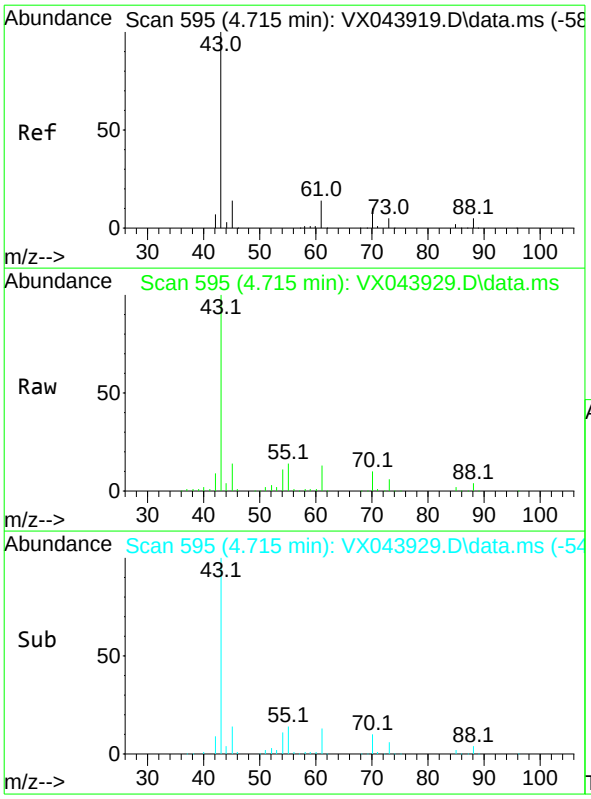


#36
1,1-Dichloropropene
Concen: 107.931 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

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

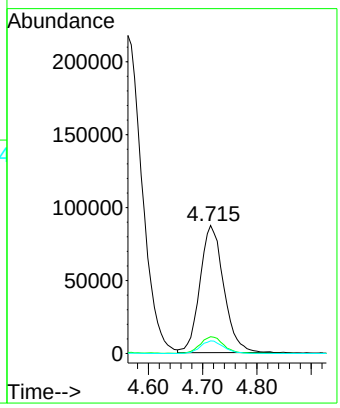
Tgt Ion: 43 Resp: 265631

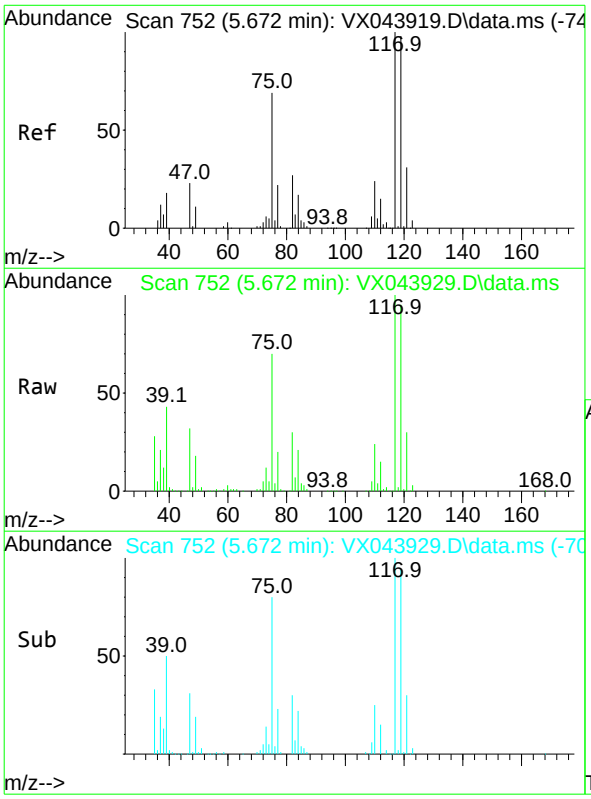
Ion	Ratio	Lower	Upper
43	100		
61	13.2	11.5	17.3
70	9.6	8.7	13.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

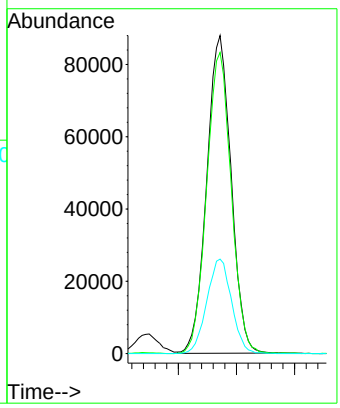


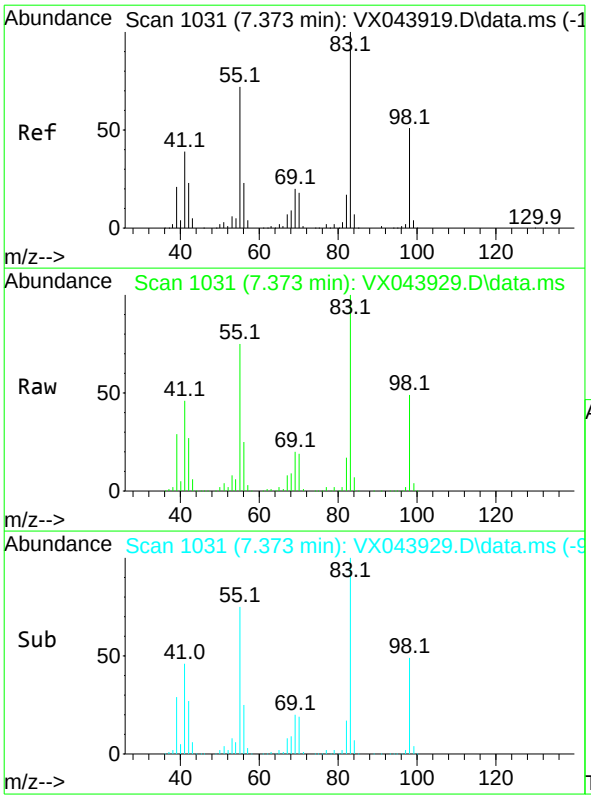


#38
Carbon Tetrachloride
Concen: 117.390 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

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

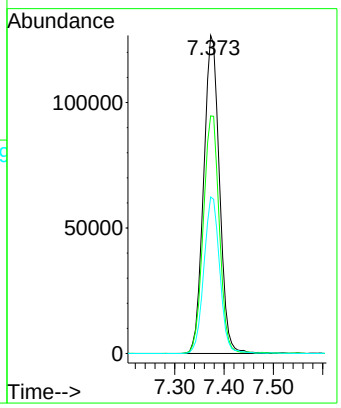




#39
Methylcyclohexane
Concen: 109.652 ug/l
RT: 7.373 min Scan# 10
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 83 Resp: 283075

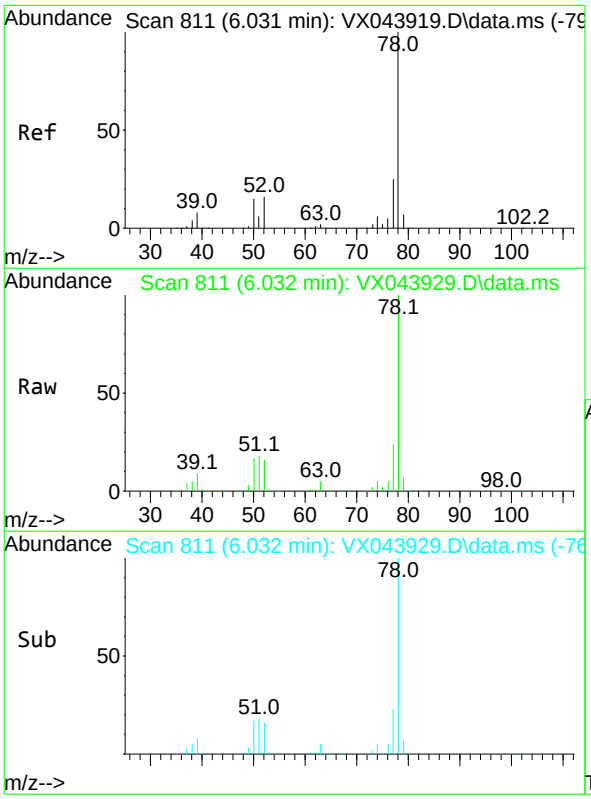
Ion	Ratio	Lower	Upper
83	100		
55	74.7	57.9	86.9
98	49.2	40.5	60.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

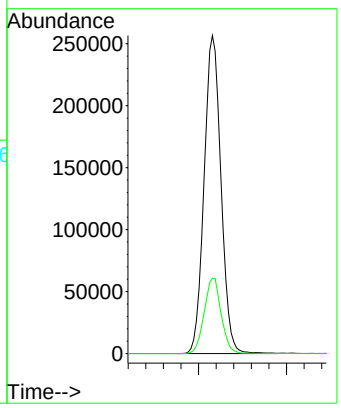
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

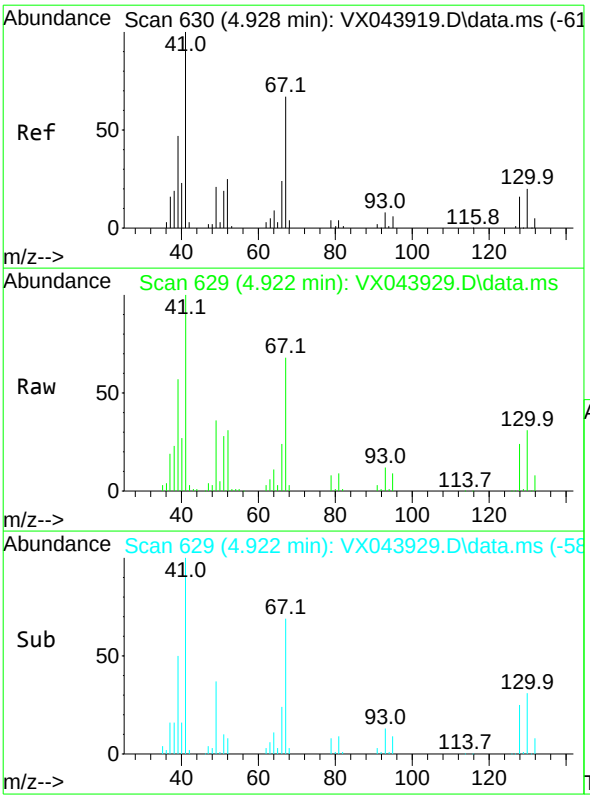


#40
Benzene
Concen: 105.520 ug/l
RT: 6.032 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 78 Resp: 684139

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.8	29.8

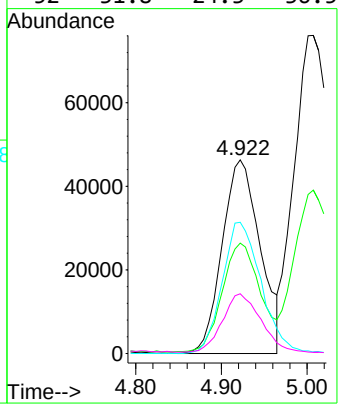




#41
Methacrylonitrile
Concen: 118.447 ug/l
RT: 4.922 min Scan# 62
Delta R.T. -0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 41 Resp: 143256

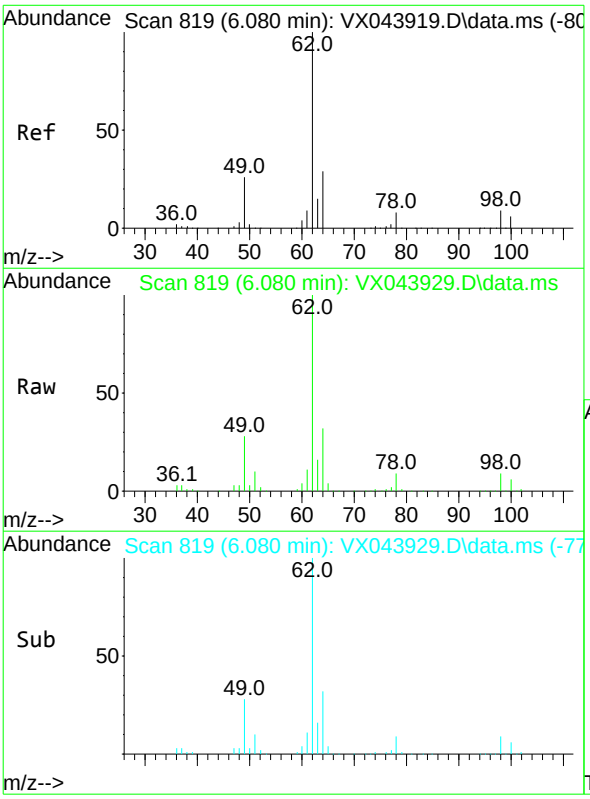
Ion	Ratio	Lower	Upper
41	100		
39	56.3	41.2	61.8
67	69.3	60.3	90.5
52	31.8	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

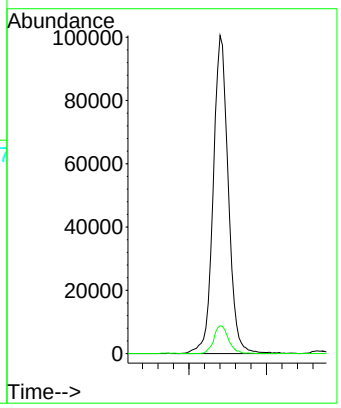
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

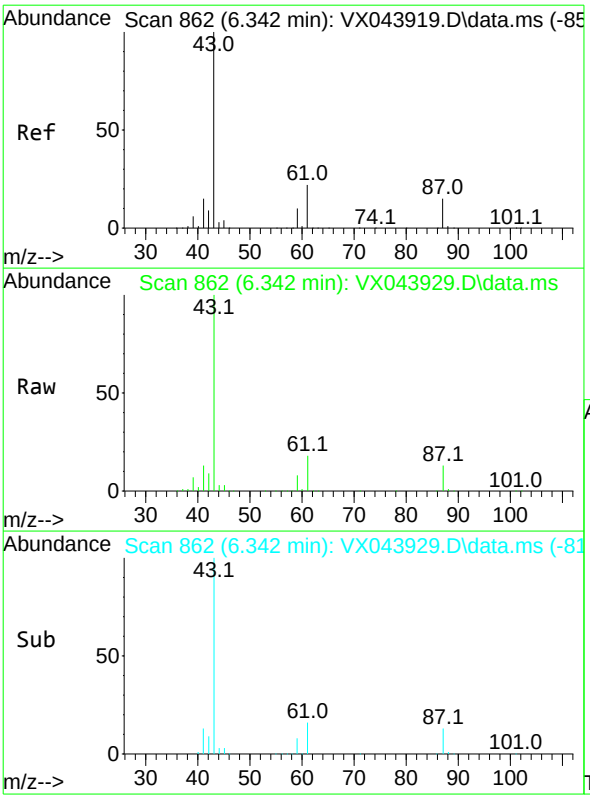


#42
1,2-Dichloroethane
Concen: 115.387 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 62 Resp: 271641

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	18.6

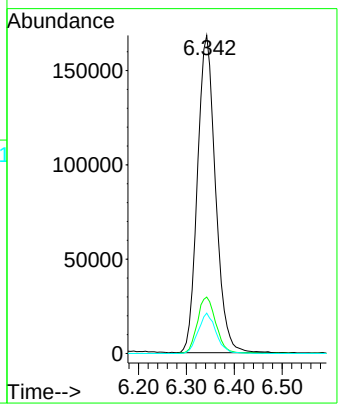




#43
Isopropyl Acetate
Concen: 120.346 ug/l
RT: 6.342 min Scan# 86
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 43 Resp: 440615

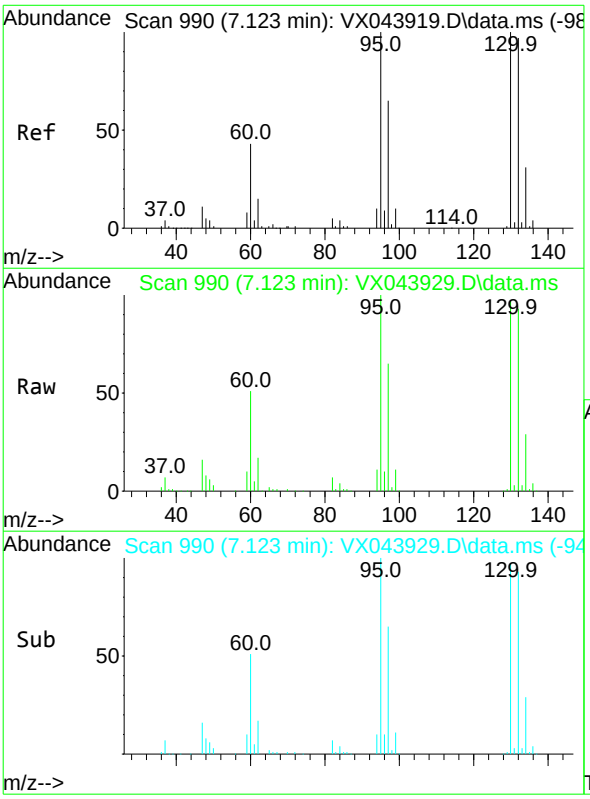
Ion	Ratio	Lower	Upper
43	100		
61	18.3	16.9	25.3
87	12.7	11.9	17.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

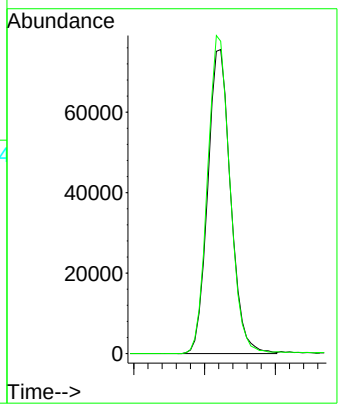
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

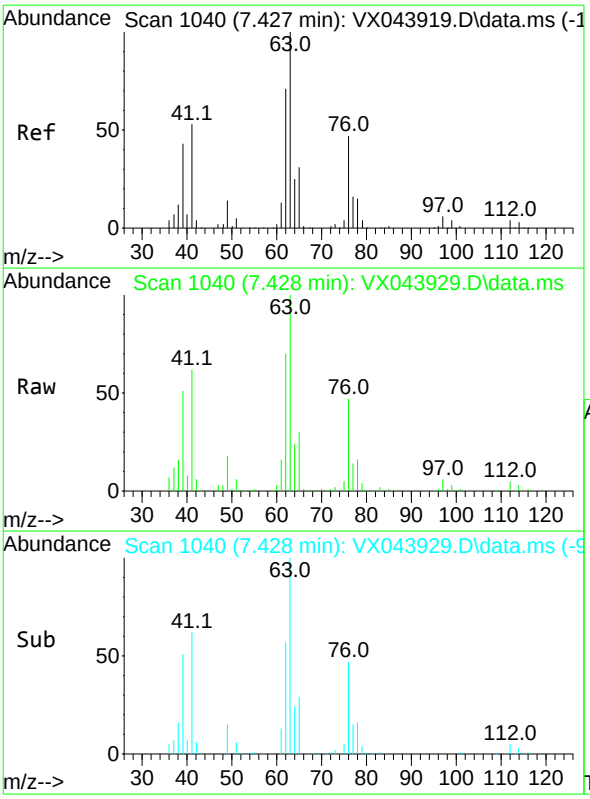


#44
Trichloroethene
Concen: 94.997 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:130 Resp: 169796

Ion	Ratio	Lower	Upper
130	100		
95	102.7	0.0	200.8

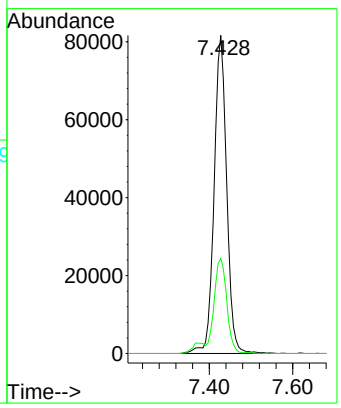




#45
1,2-Dichloropropane
Concen: 107.450 ug/l
RT: 7.428 min Scan# 10
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 63 Resp: 170741

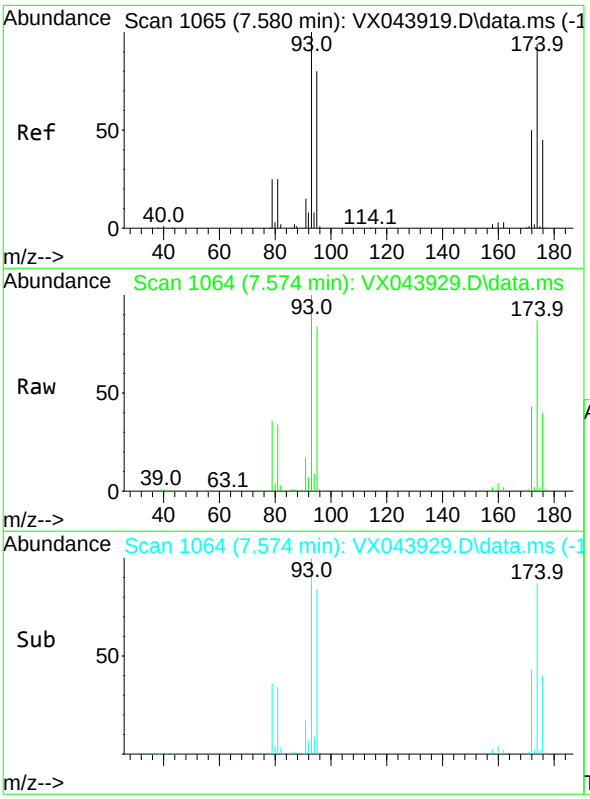
Ion	Ratio	Lower	Upper
63	100		
65	29.9	24.5	36.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

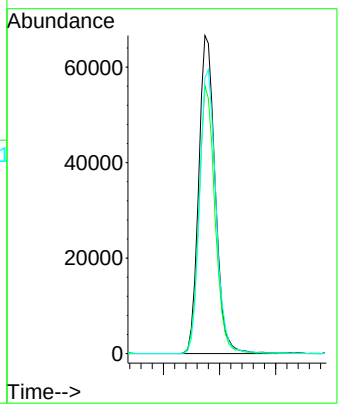
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

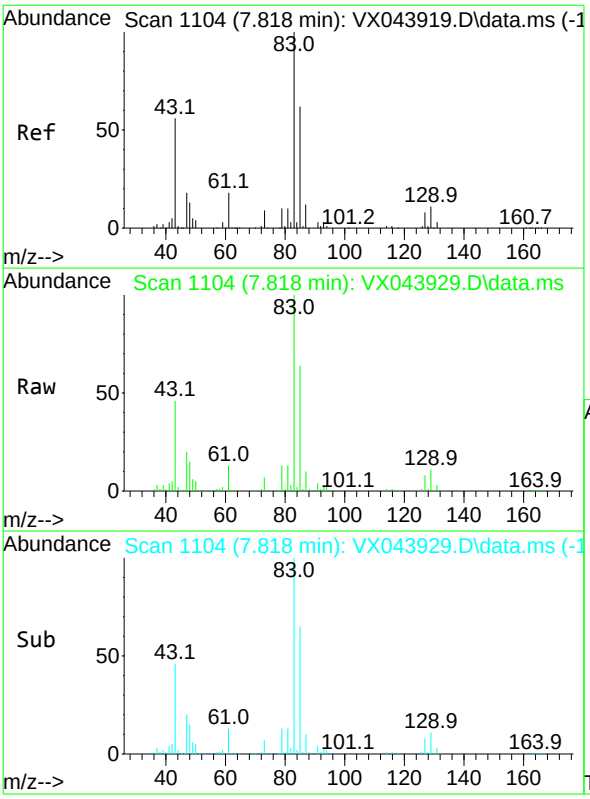


#46
Dibromomethane
Concen: 113.518 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

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

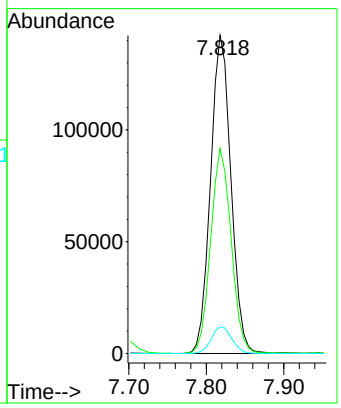




#47
Bromodichloromethane
Concen: 123.792 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 83 Resp: 260442

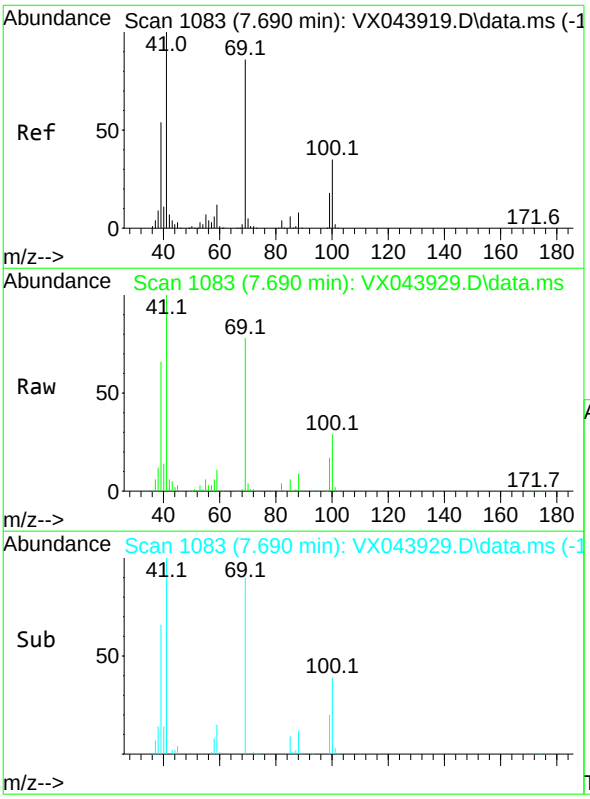
Ion	Ratio	Lower	Upper
83	100		
85	64.5	49.4	74.0
127	8.4	6.2	9.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

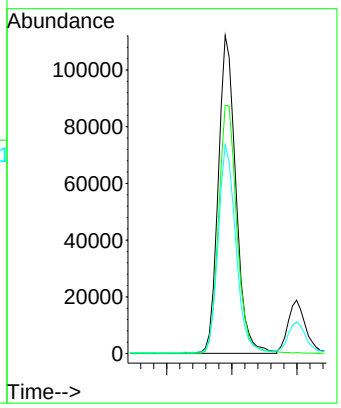
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

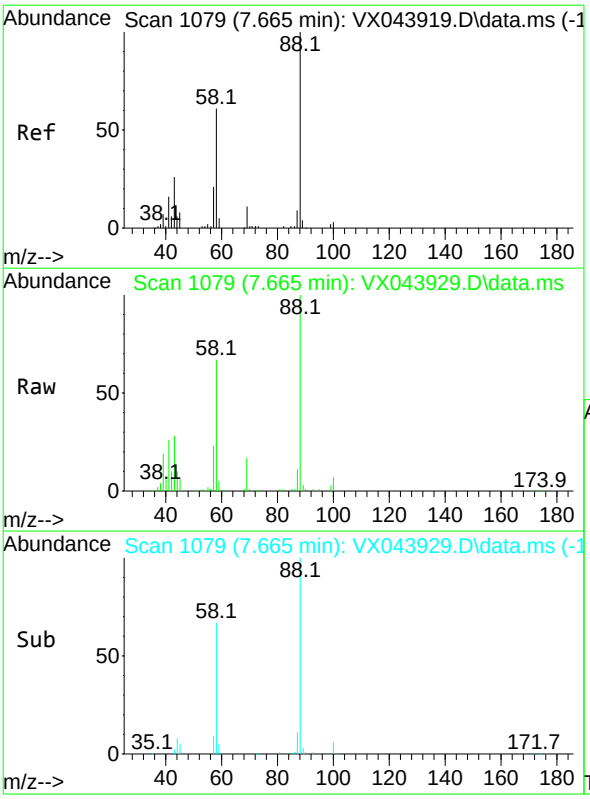


#48
Methyl methacrylate
Concen: 116.061 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

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

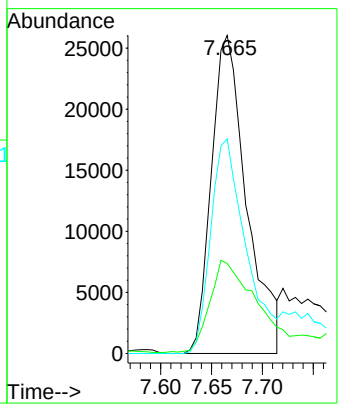




#49
1,4-Dioxane
Concen: 1625.913 ug/l
RT: 7.665 min Scan# 10
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 88 Resp: 62845

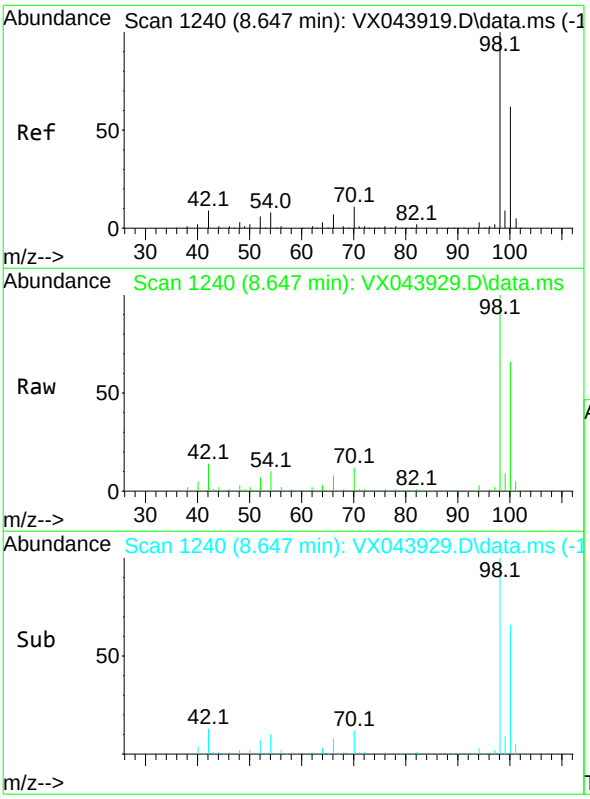
Ion	Ratio	Lower	Upper
88	100		
43	38.8	17.4	26.0#
58	67.9	41.0	61.6#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

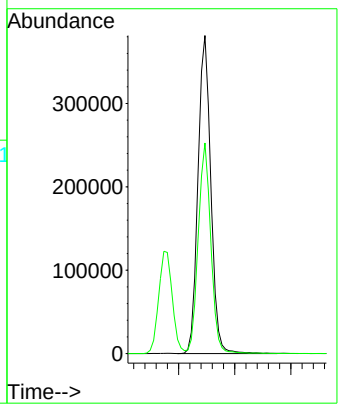
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

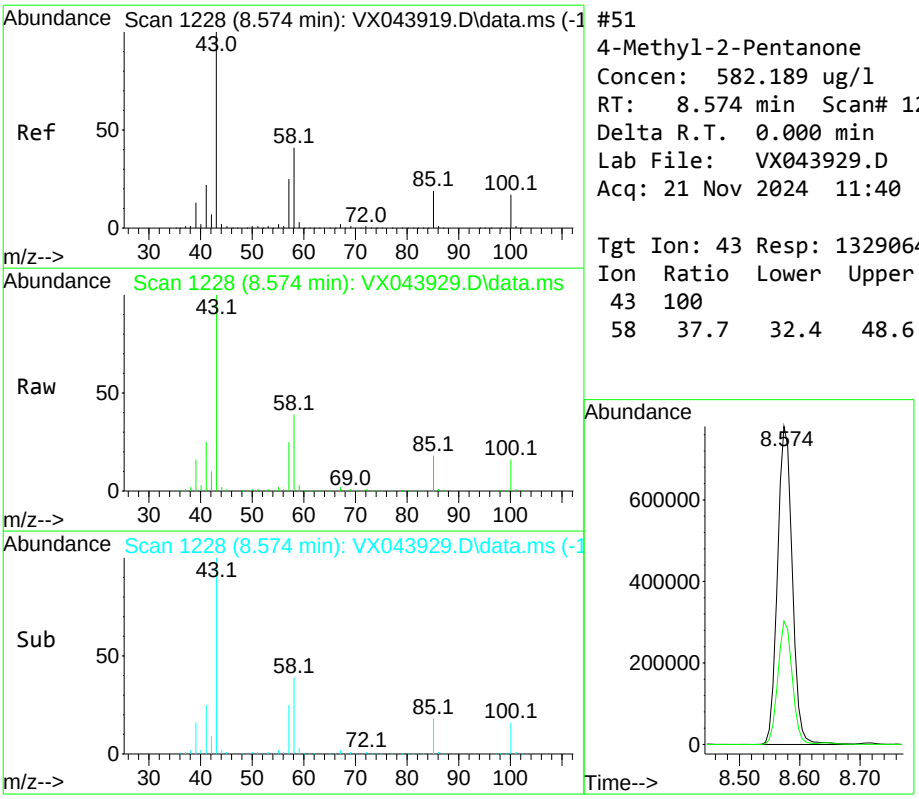


#50
Toluene-d8
Concen: 109.870 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

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

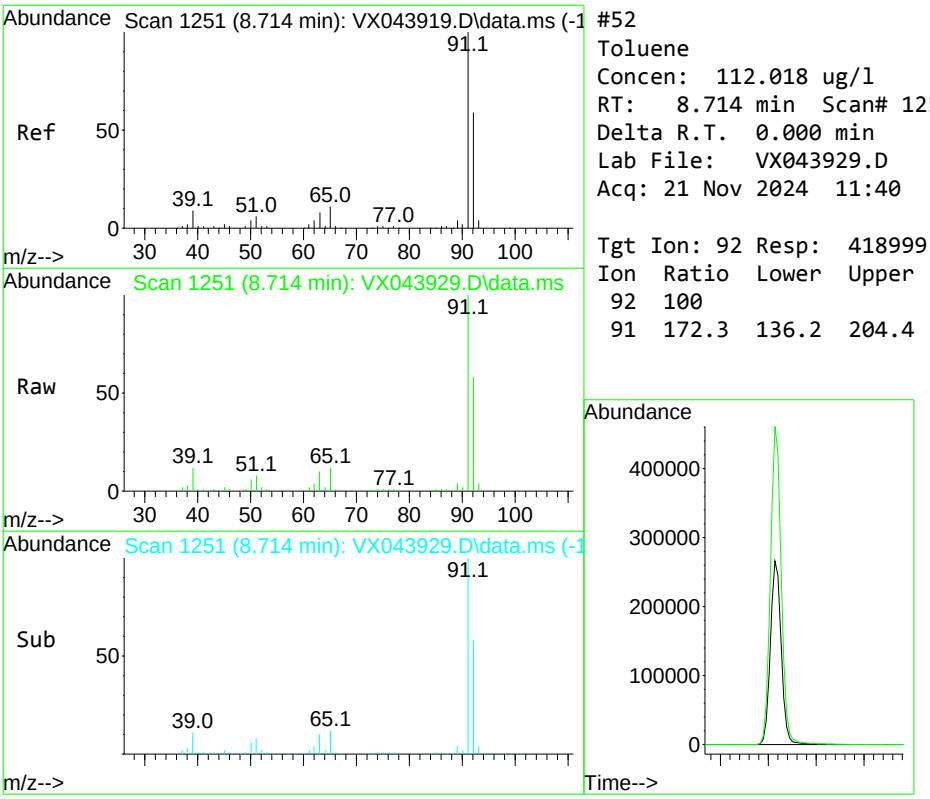
Tgt Ion: 43 Resp: 1329064

Ion	Ratio	Lower	Upper
43	100		
58	37.7	32.4	48.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

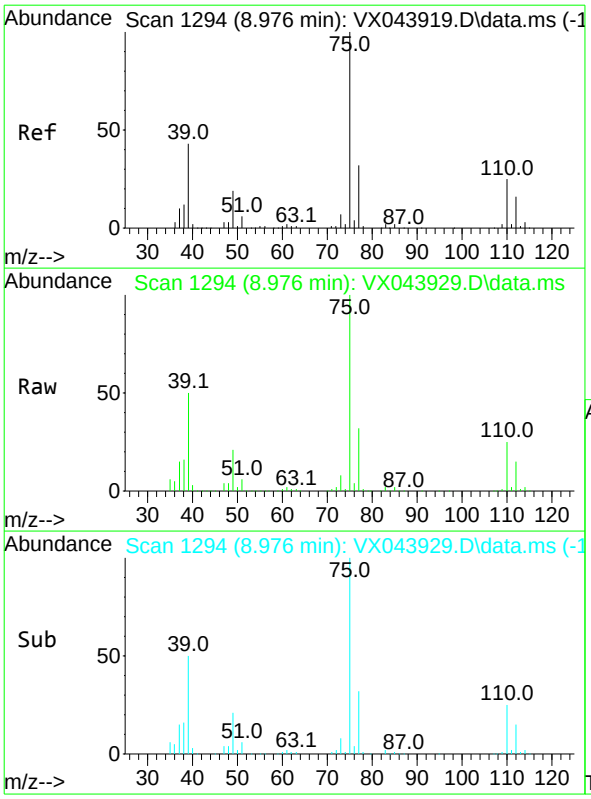
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#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

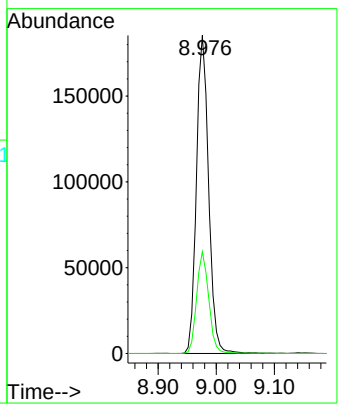
Ion	Ratio	Lower	Upper
92	100		
91	172.3	136.2	204.4



#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

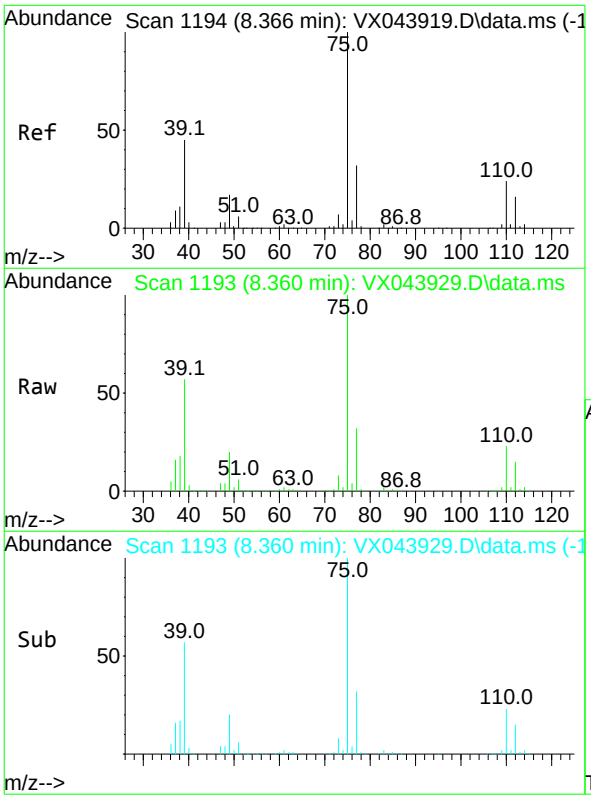
Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

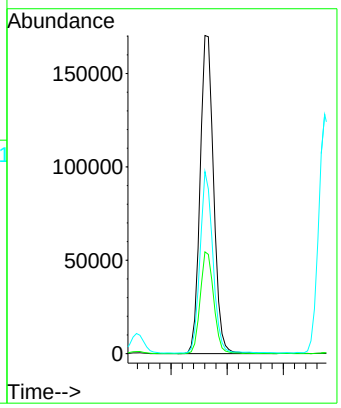
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

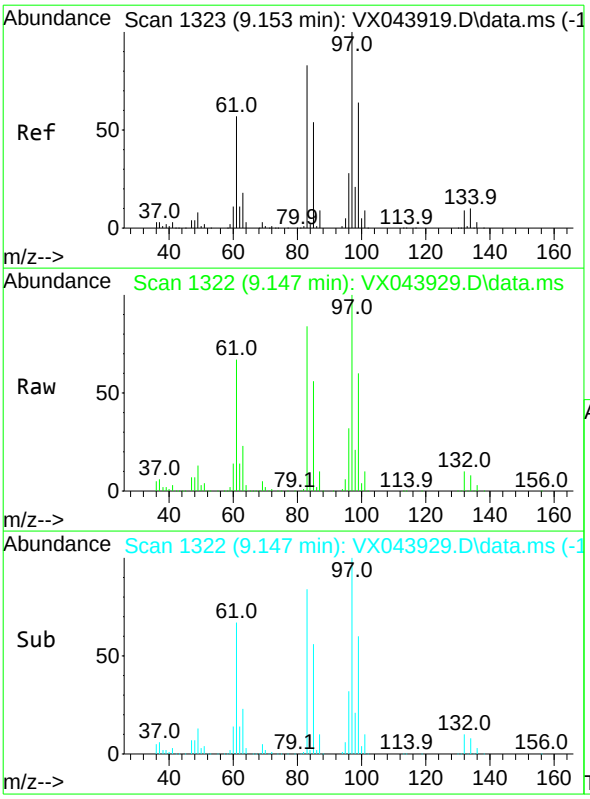


#54
cis-1,3-Dichloropropene
Concen: 118.077 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

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#

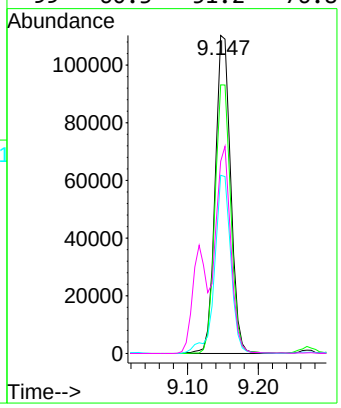




#55
1,1,2-Trichloroethane
Concen: 114.675 ug/l
RT: 9.147 min Scan# 13
Delta R.T. -0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 97 Resp: 167357

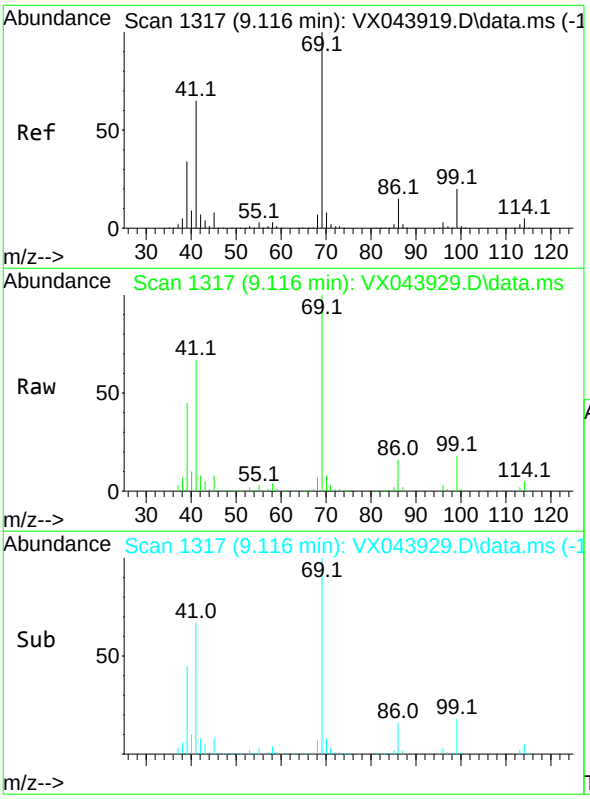
Ion	Ratio	Lower	Upper
97	100		
83	84.5	66.5	99.7
85	56.0	43.4	65.2
99	60.3	51.2	76.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

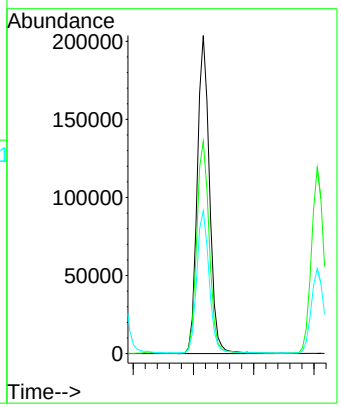
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

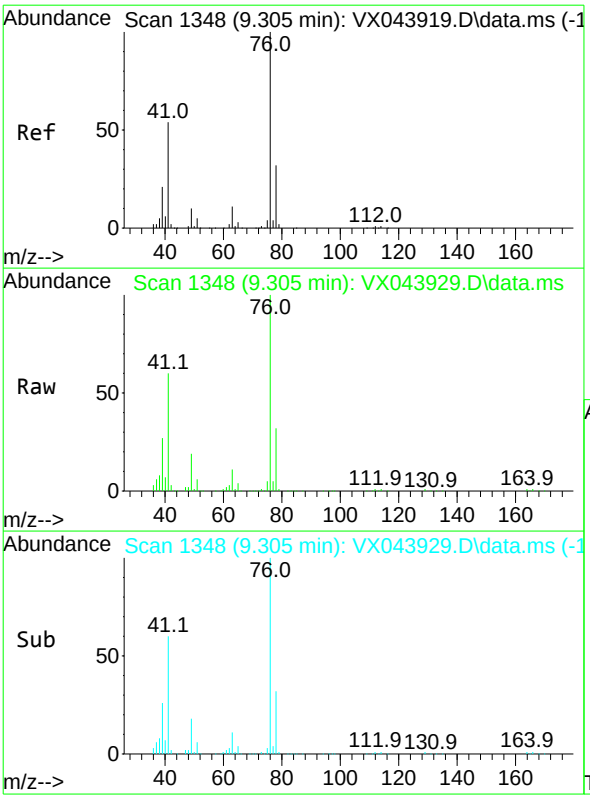


#56
Ethyl methacrylate
Concen: 124.157 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

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#

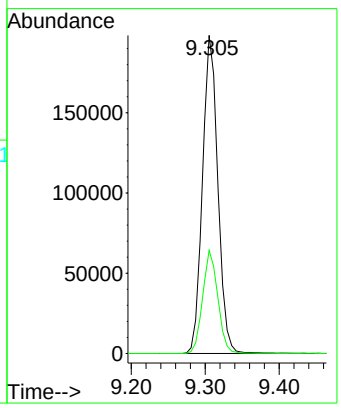




#57
1,3-Dichloropropane
Concen: 116.773 ug/l
RT: 9.305 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 76 Resp: 285511

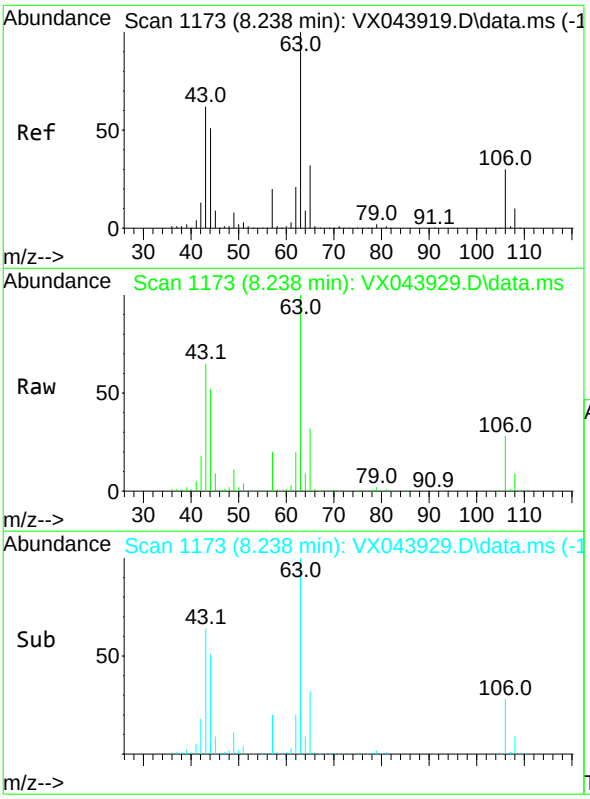
Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

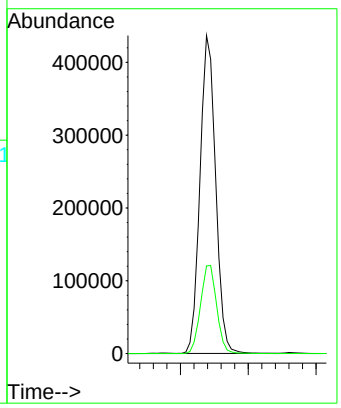
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

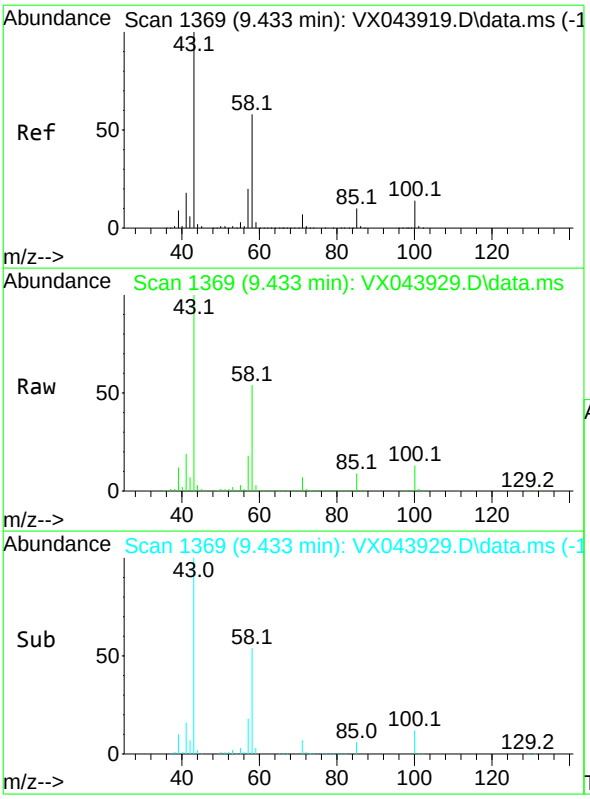


#58
2-Chloroethyl Vinyl ether
Concen: 576.637 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 63 Resp: 698756

Ion	Ratio	Lower	Upper
63	100		
106	28.6	23.8	35.6

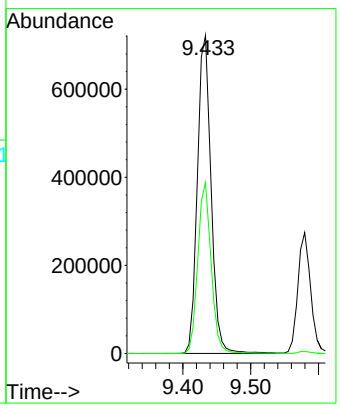




#59
2-Hexanone
Concen: 627.842 ug/l
RT: 9.433 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 43 Resp: 1011261

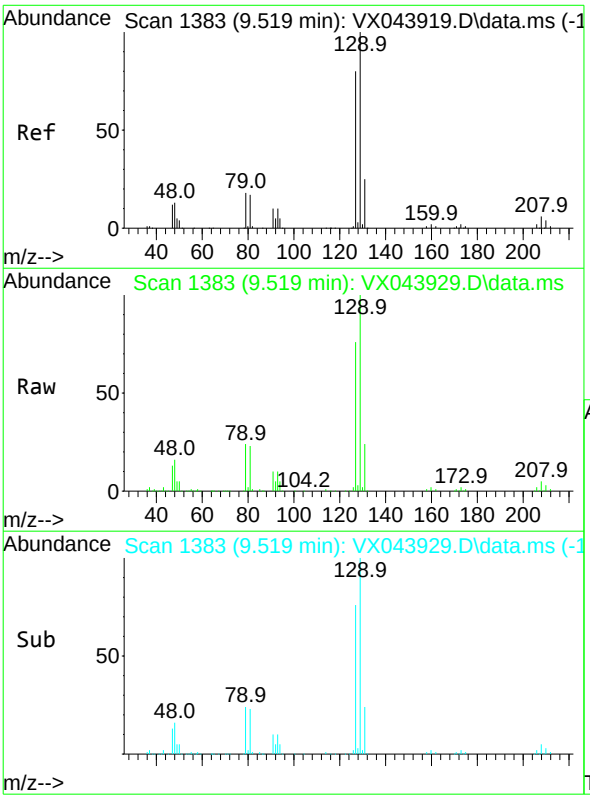
Ion	Ratio	Lower	Upper
43	100		
58	52.7	28.3	84.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

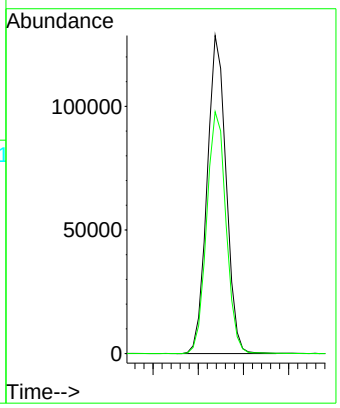
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

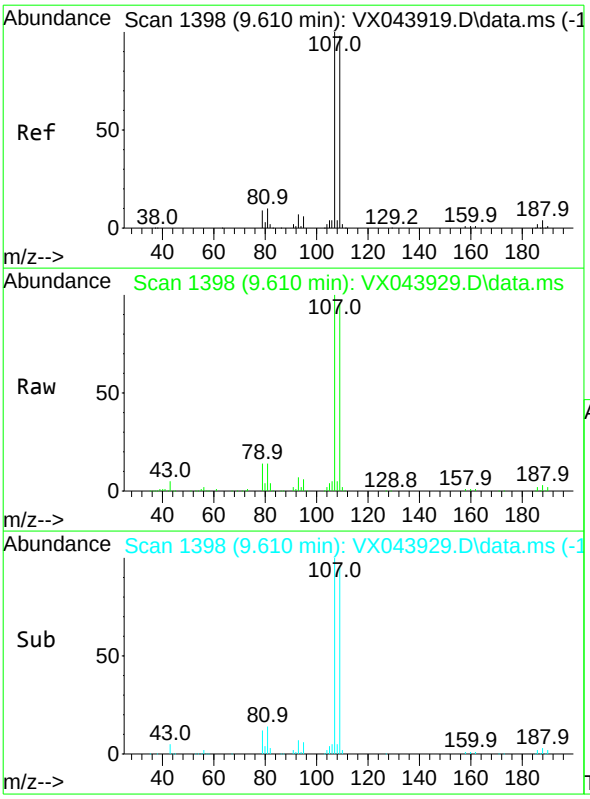


#60
Dibromochloromethane
Concen: 131.832 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:129 Resp: 187476

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.6	115.8

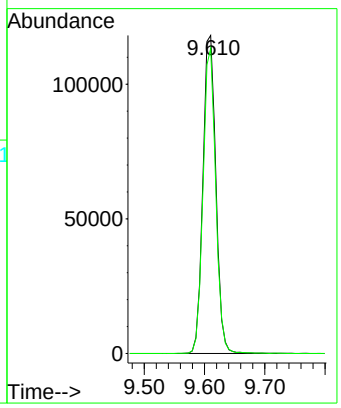




#61
1,2-Dibromoethane
Concen: 115.841 ug/l
RT: 9.610 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:107 Resp: 176345

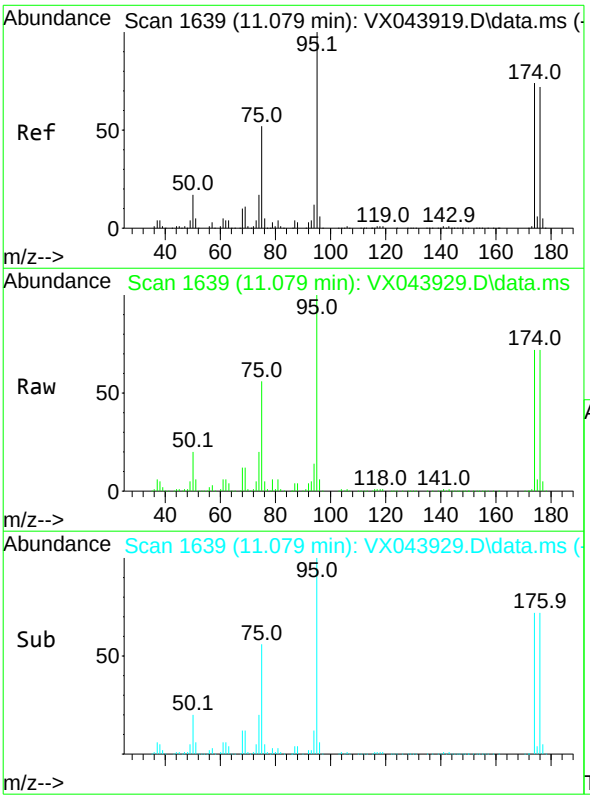
Ion	Ratio	Lower	Upper
107	100		
109	93.9	76.2	114.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

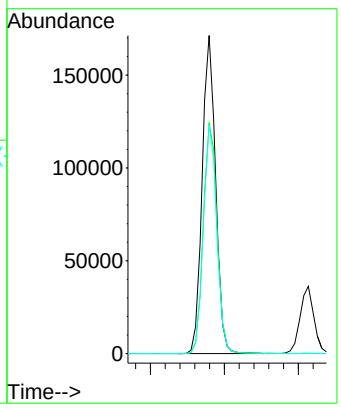
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

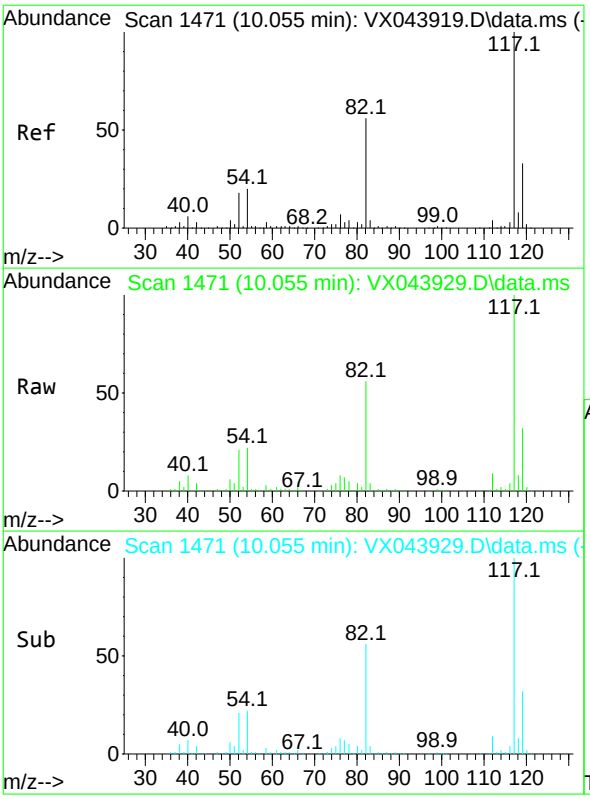


#62
4-Bromofluorobenzene
Concen: 118.228 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

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

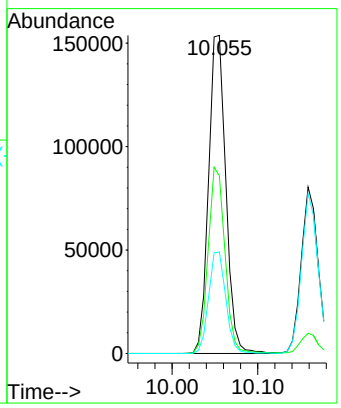




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:117 Resp: 215595

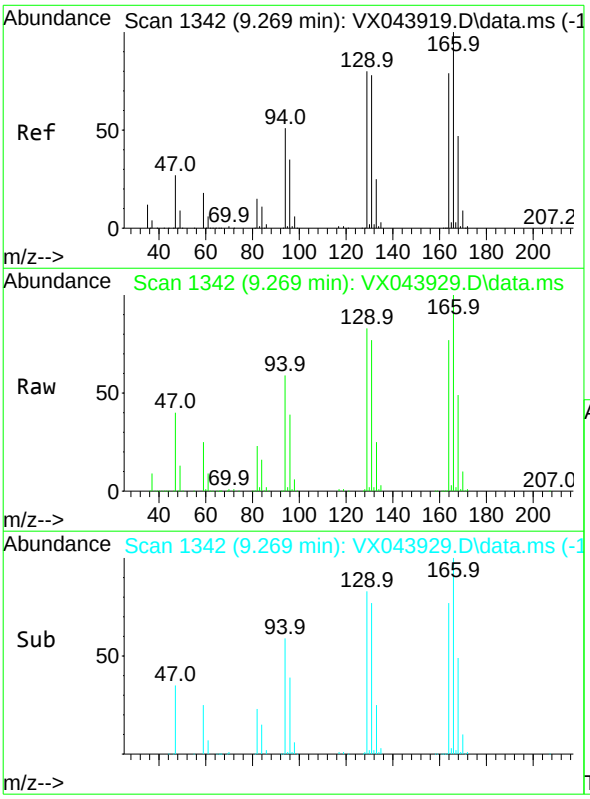
Ion	Ratio	Lower	Upper
117	100		
82	55.9	44.6	67.0
119	31.9	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

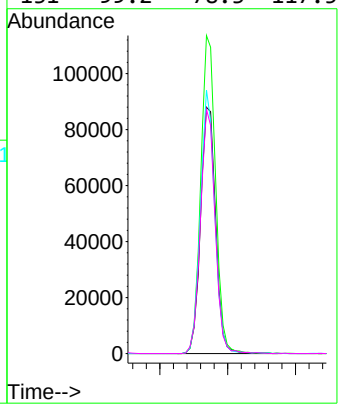
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

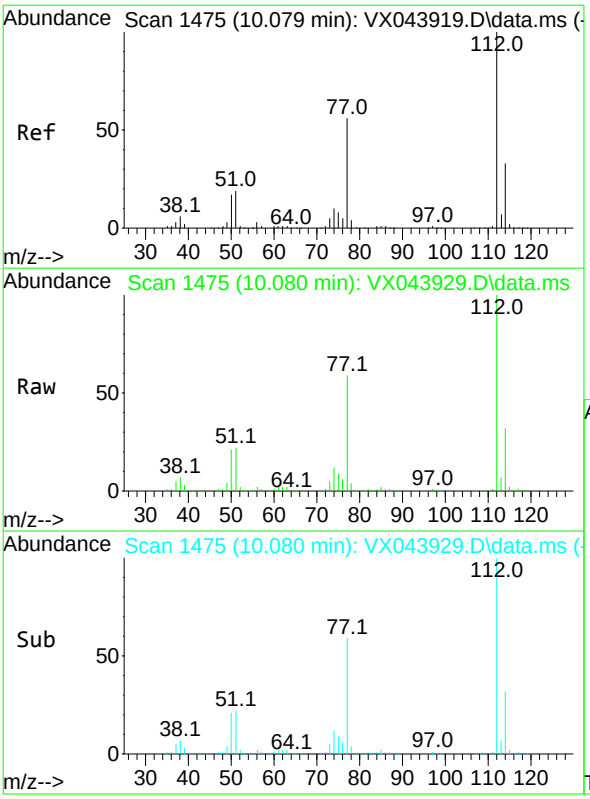


#64
Tetrachloroethene
Concen: 98.157 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

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

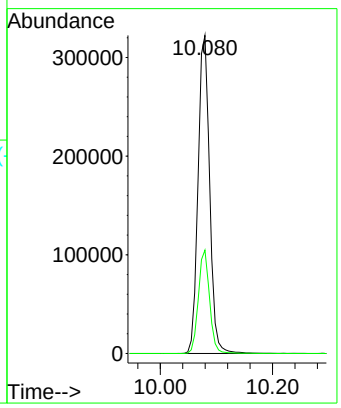




#65
Chlorobenzene
Concen: 102.382 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:112 Resp: 461076

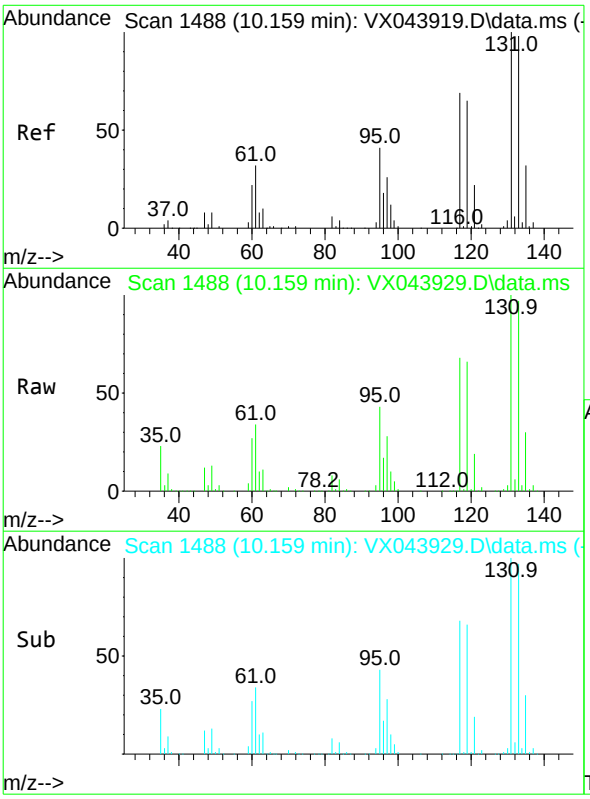
Ion	Ratio	Lower	Upper
112	100		
114	32.5	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

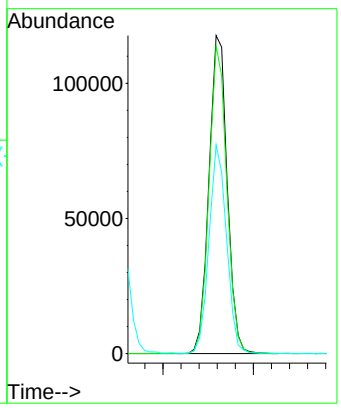
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

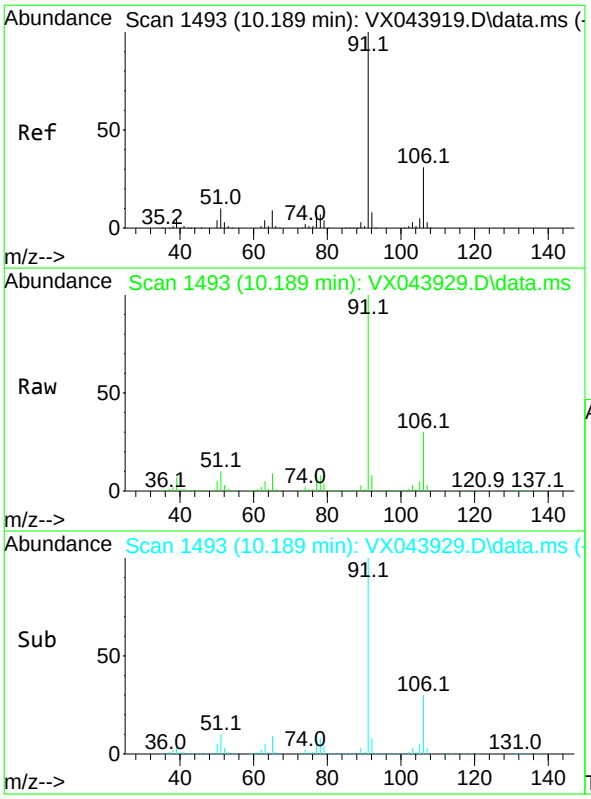


#66
1,1,1,2-Tetrachloroethane
Concen: 109.812 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

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

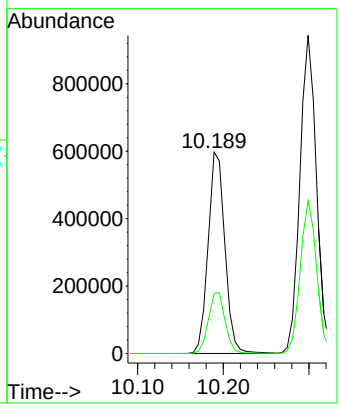




#67
Ethyl Benzene
Concen: 107.178 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 91 Resp: 812289

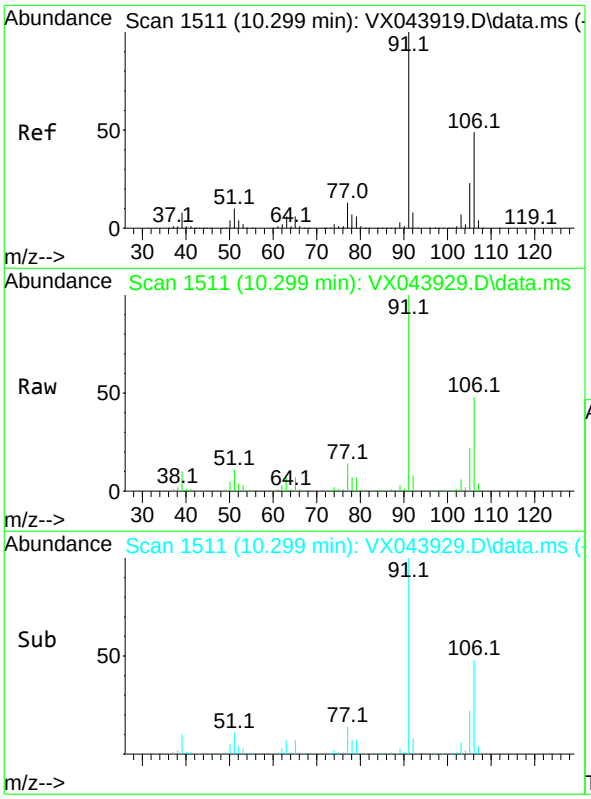
Ion	Ratio	Lower	Upper
91	100		
106	29.8	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

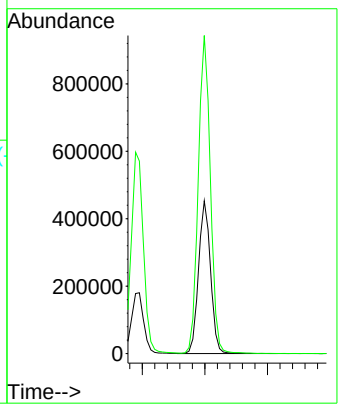
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

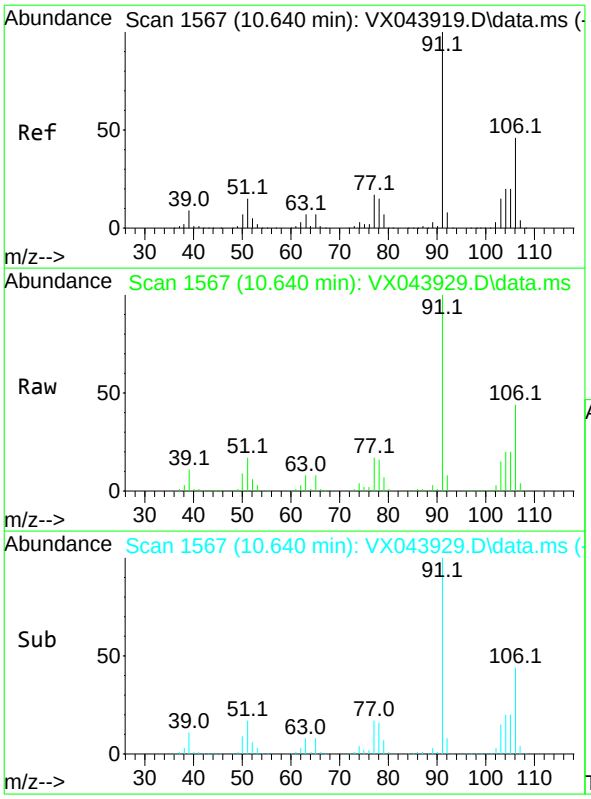


#68
m/p-Xylenes
Concen: 213.769 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:106 Resp: 603451

Ion	Ratio	Lower	Upper
106	100		
91	210.3	163.3	244.9

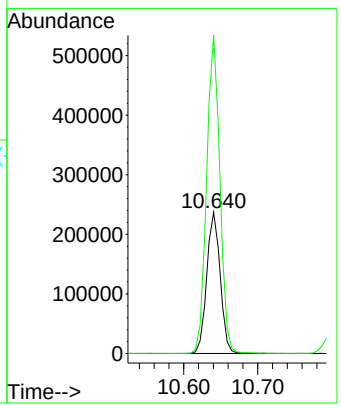




#69
o-Xylene
Concen: 108.462 ug/l
RT: 10.640 min Scan# 15
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:106 Resp: 298739

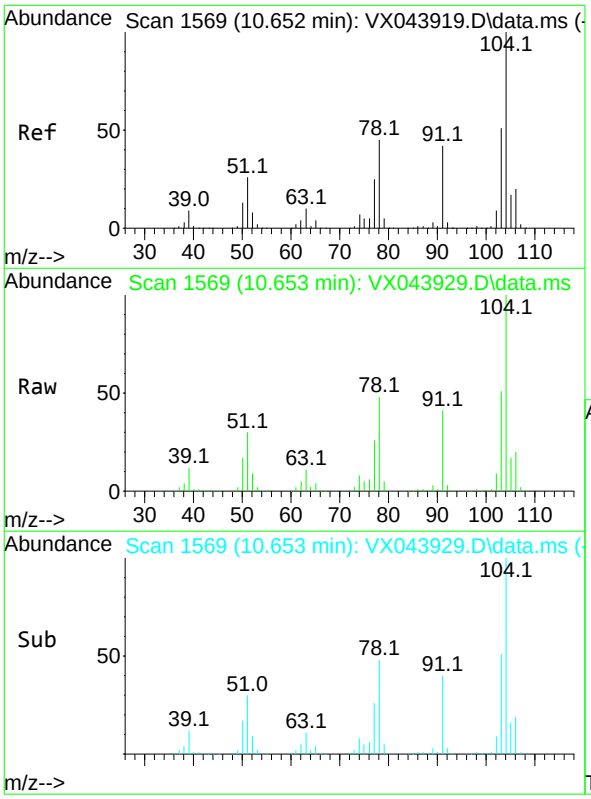
Ion	Ratio	Lower	Upper
106	100		
91	222.3	109.6	328.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

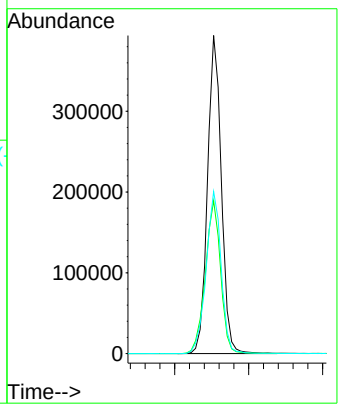
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

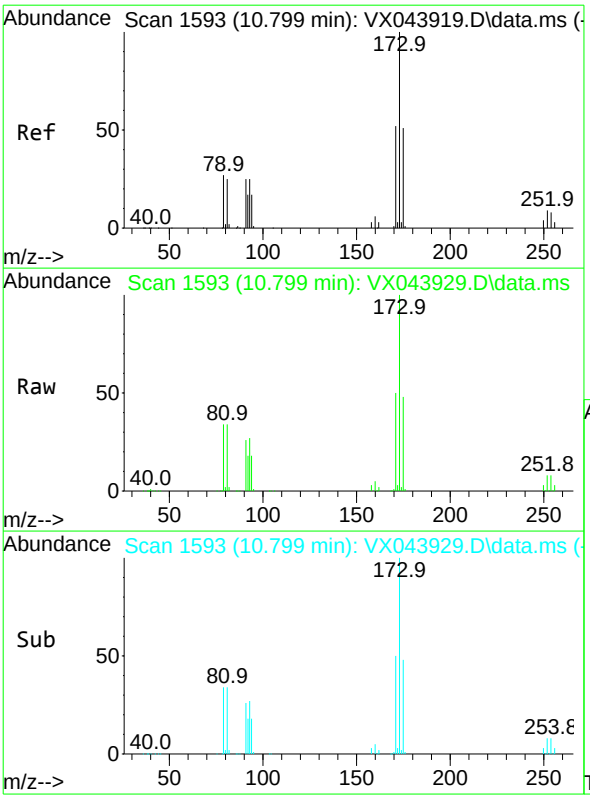


#70
Styrene
Concen: 112.628 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

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

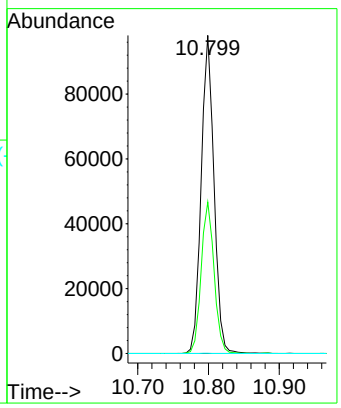




#71
Bromoform
Concen: 125.866 ug/l
RT: 10.799 min Scan# 15
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:173 Resp: 123114

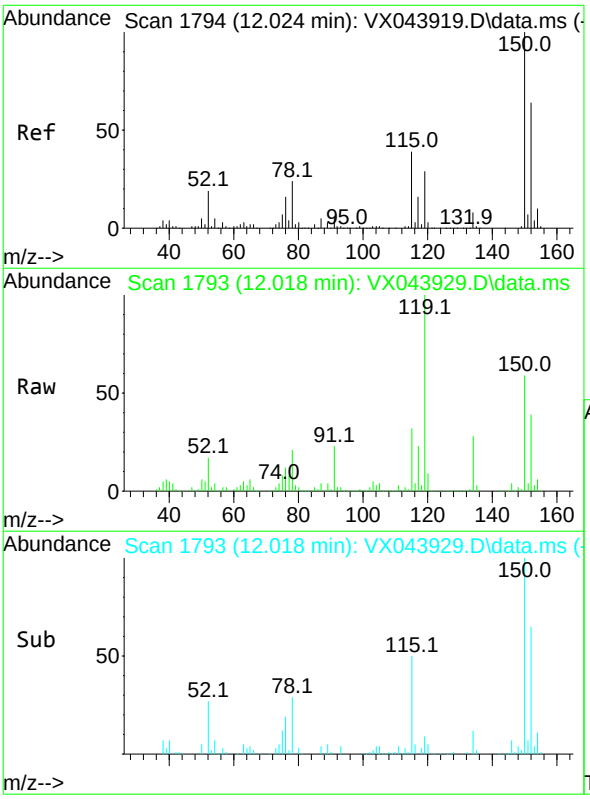
Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.6	73.8
254	0.0	0.1	0.1#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

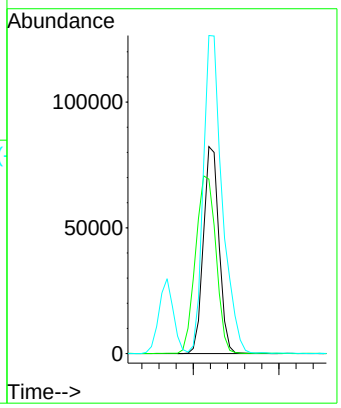
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

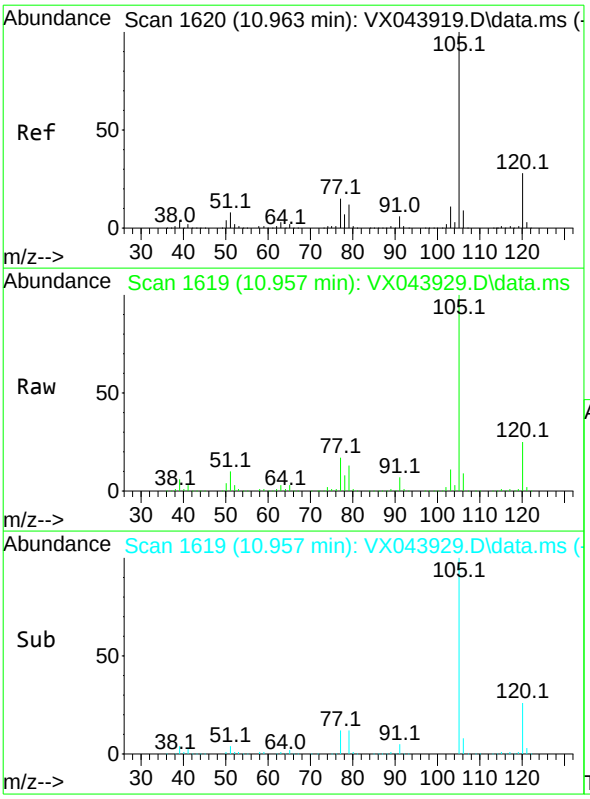


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

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

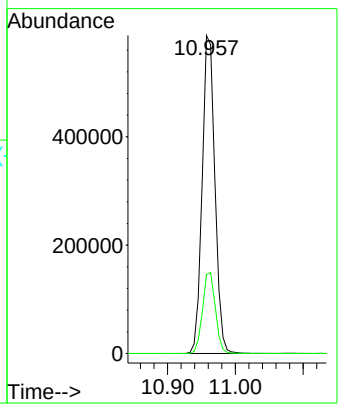




#73
Isopropylbenzene
Concen: 103.086 ug/l
RT: 10.957 min Scan# 16
Delta R.T. -0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:105 Resp: 765623

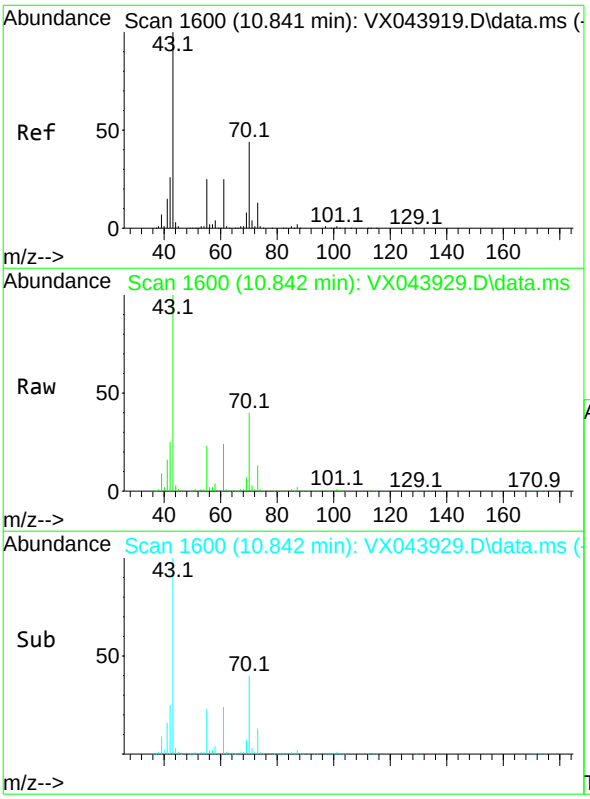
Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.3	39.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

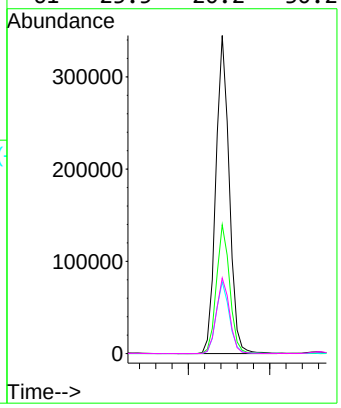
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

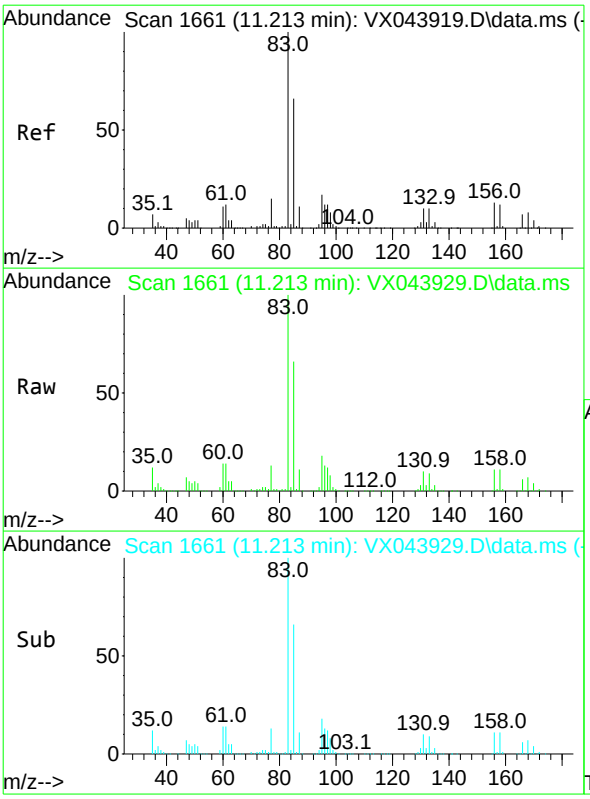


#74
N-amyl acetate
Concen: 119.112 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

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

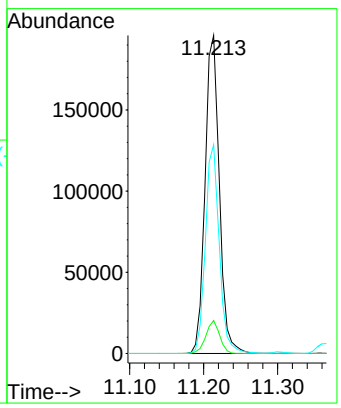




#75
1,1,2,2-Tetrachloroethane
Concen: 104.456 ug/l
RT: 11.213 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 83 Resp: 262302

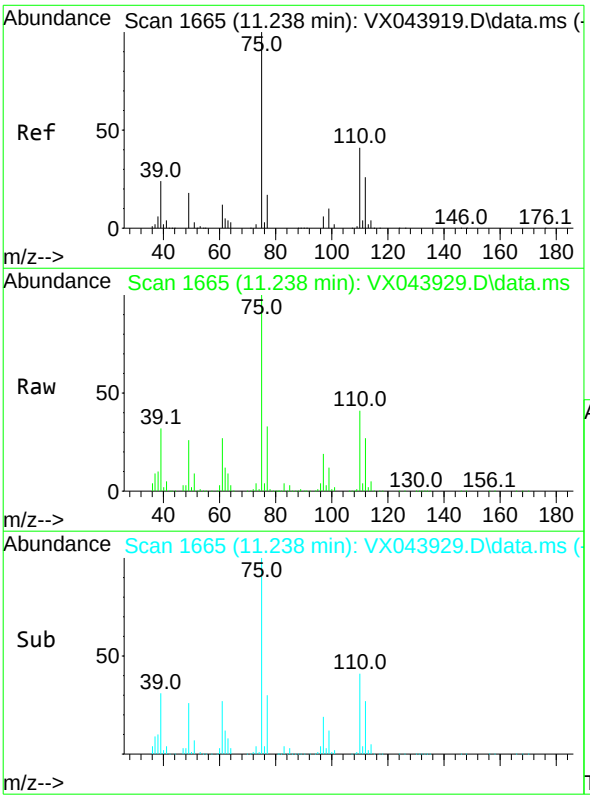
Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.1	15.3
85	64.1	32.3	96.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

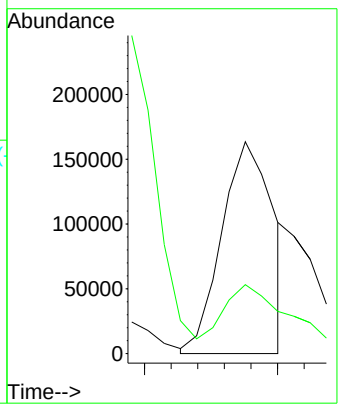
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

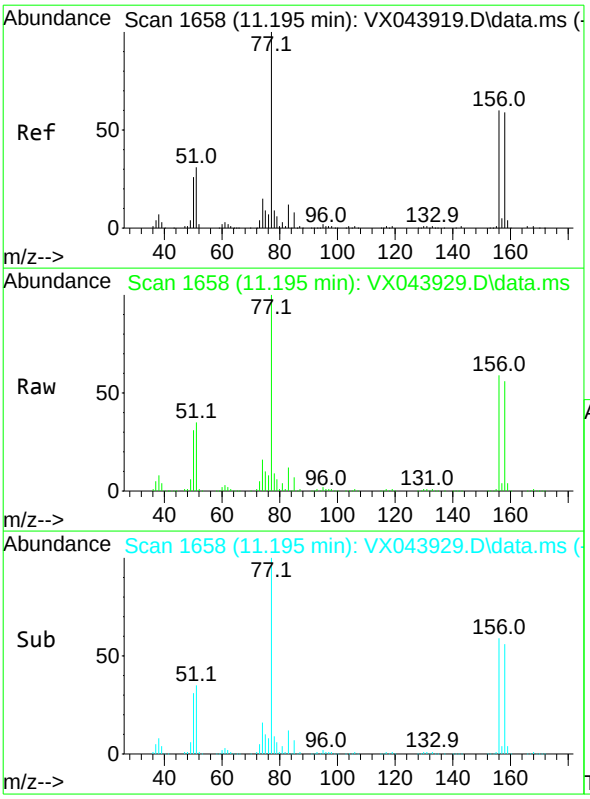


#76
1,2,3-Trichloropropane
Concen: 103.148 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 75 Resp: 219028

Ion	Ratio	Lower	Upper
75	100		
77	43.5	22.4	67.0

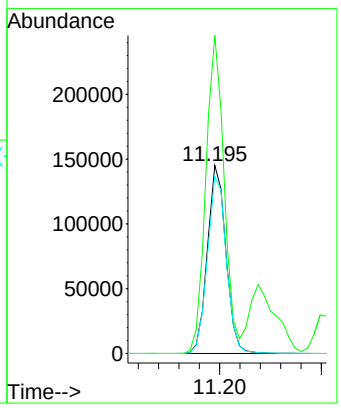




#77
Bromobenzene
Concen: 100.944 ug/l
RT: 11.195 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:156 Resp: 183742

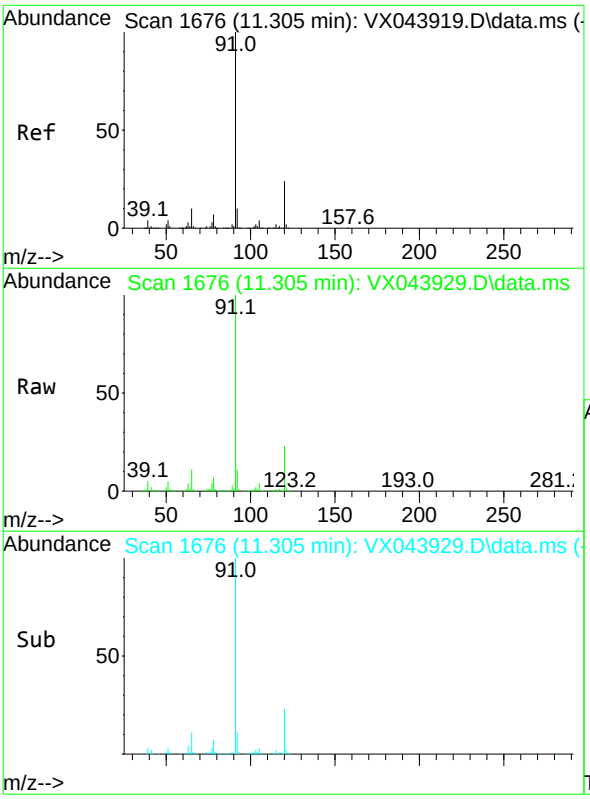
Ion	Ratio	Lower	Upper
156	100		
77	166.9	81.2	243.6
158	96.3	48.6	145.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

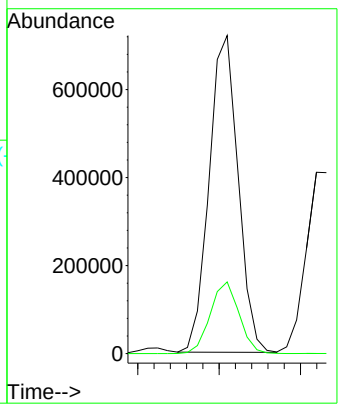
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

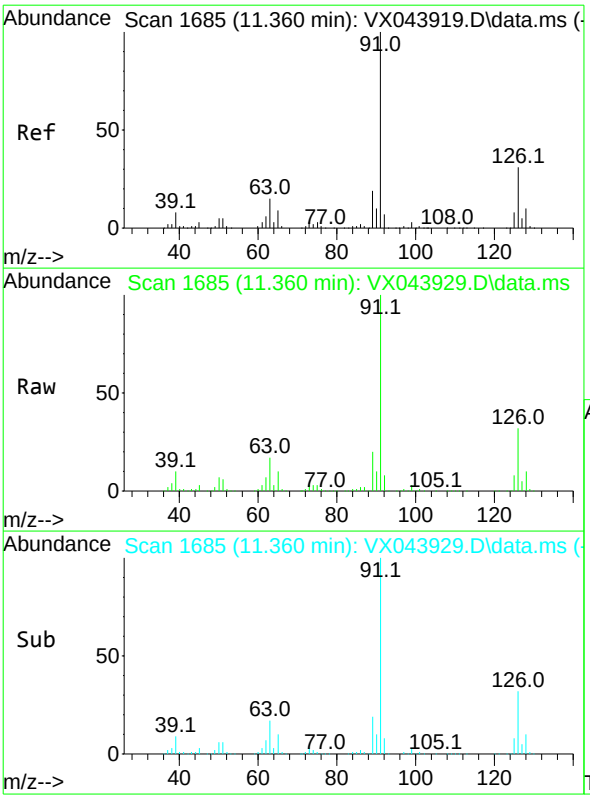


#78
n-propylbenzene
Concen: 108.835 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

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

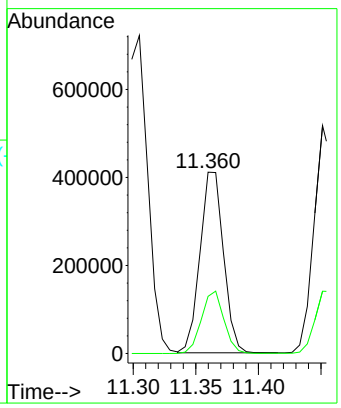
Tgt Ion: 91 Resp: 537190

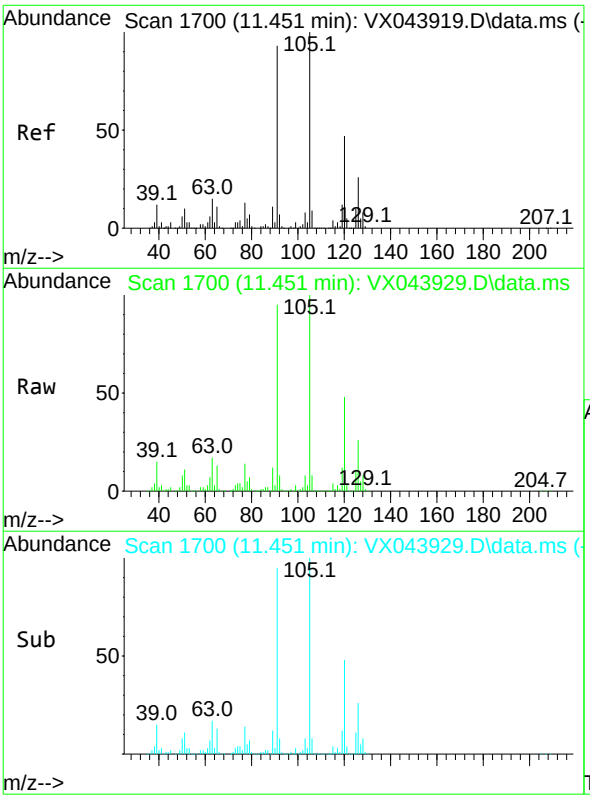
Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.4	49.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

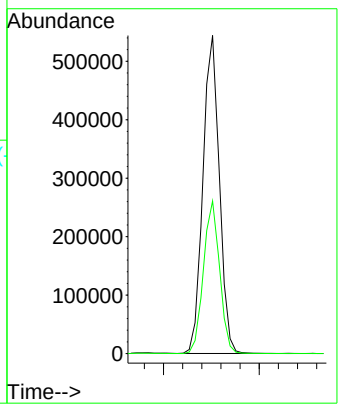


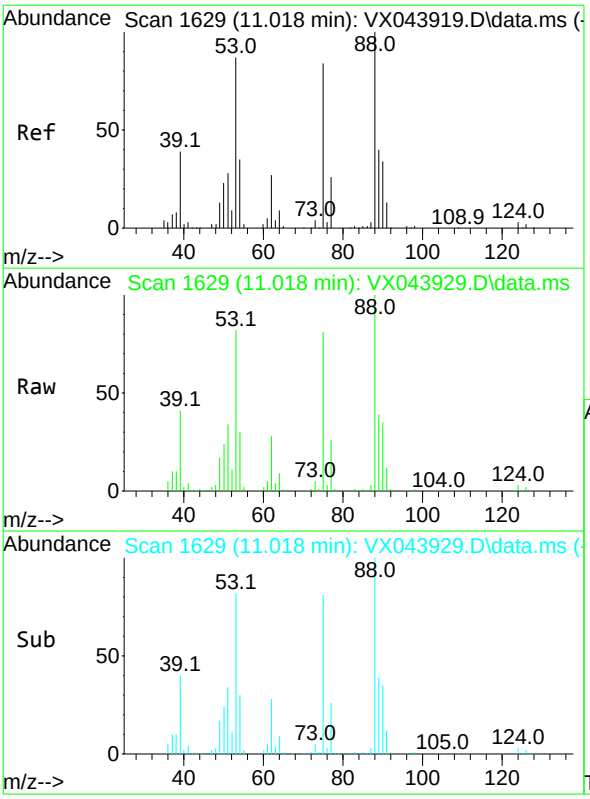


#80
1,3,5-Trimethylbenzene
Concen: 105.408 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

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

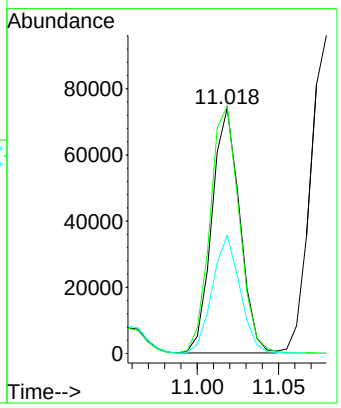
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

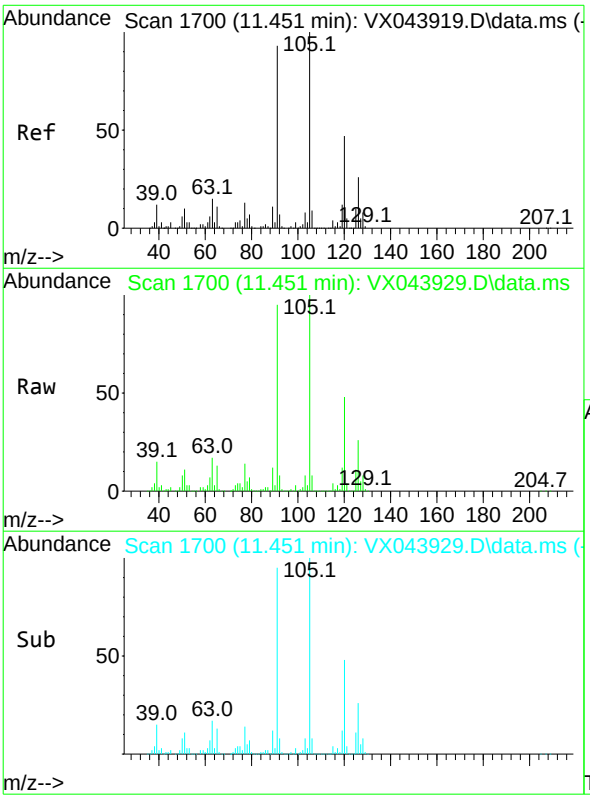
Tgt Ion: 75 Resp: 88041

Ion	Ratio	Lower	Upper
75	100		
53	106.0	81.7	122.5
89	48.3	38.6	57.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

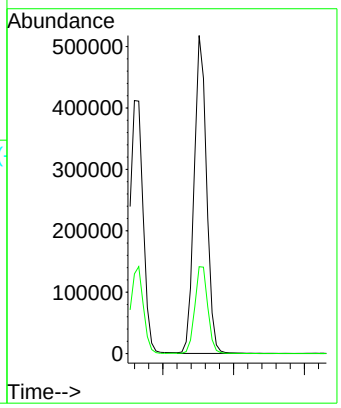


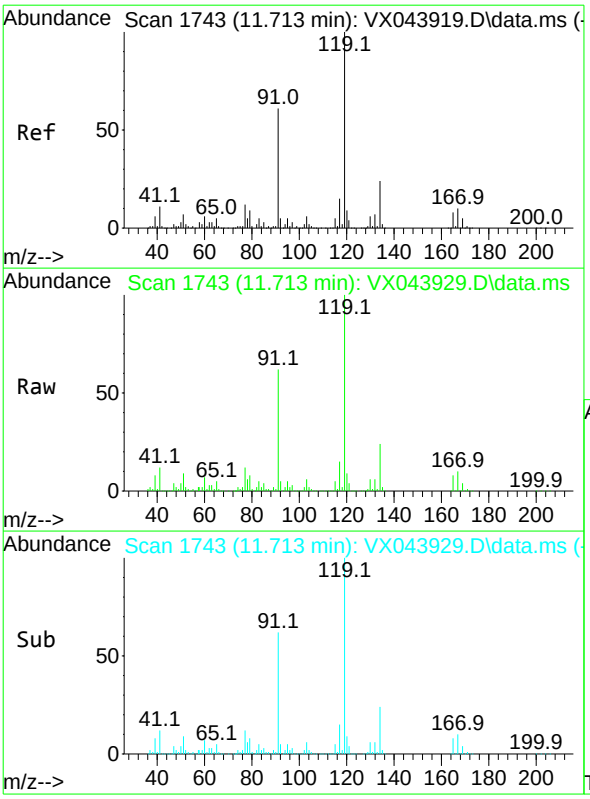


#82
4-Chlorotoluene
Concen: 104.841 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 91 Resp: 629590

Ion	Ratio	Lower	Upper
91	100		
126	28.7	14.4	43.2

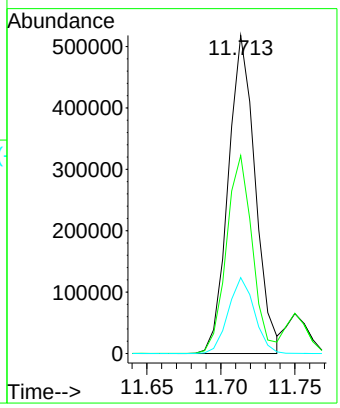




#83
tert-Butylbenzene
Concen: 104.157 ug/l
RT: 11.713 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:119 Resp: 655918

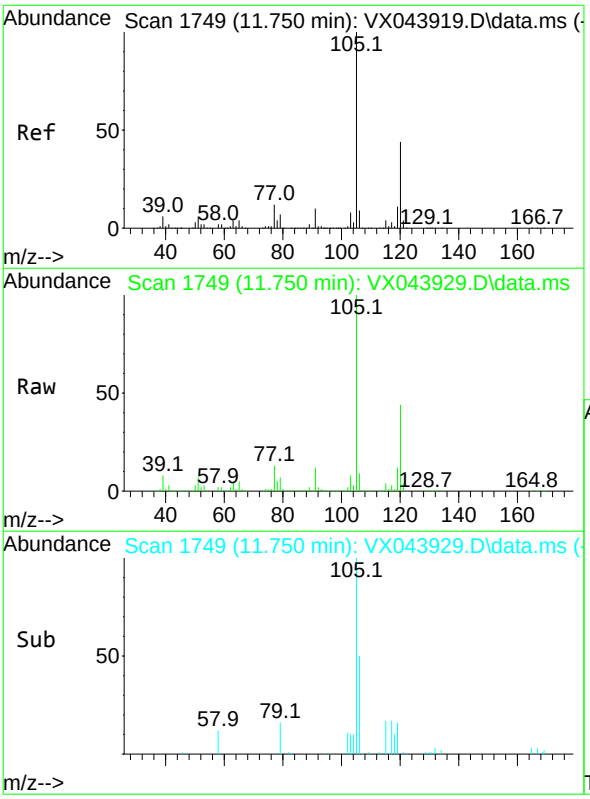
Ion	Ratio	Lower	Upper
119	100		
91	60.2	29.5	88.6
134	23.1	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

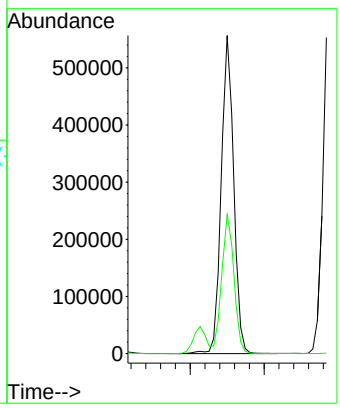
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

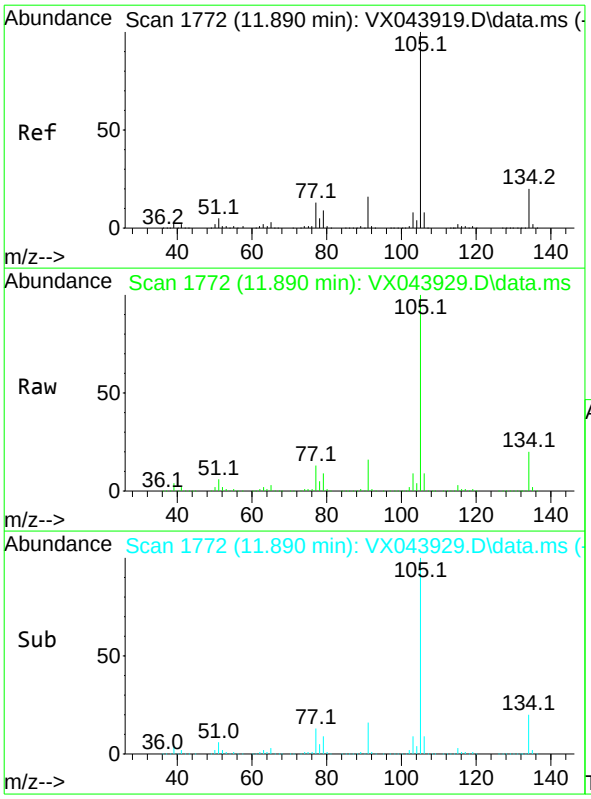


#84
1,2,4-Trimethylbenzene
Concen: 103.992 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

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

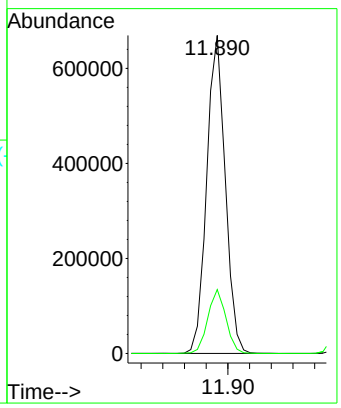
Tgt Ion:105 Resp: 793233

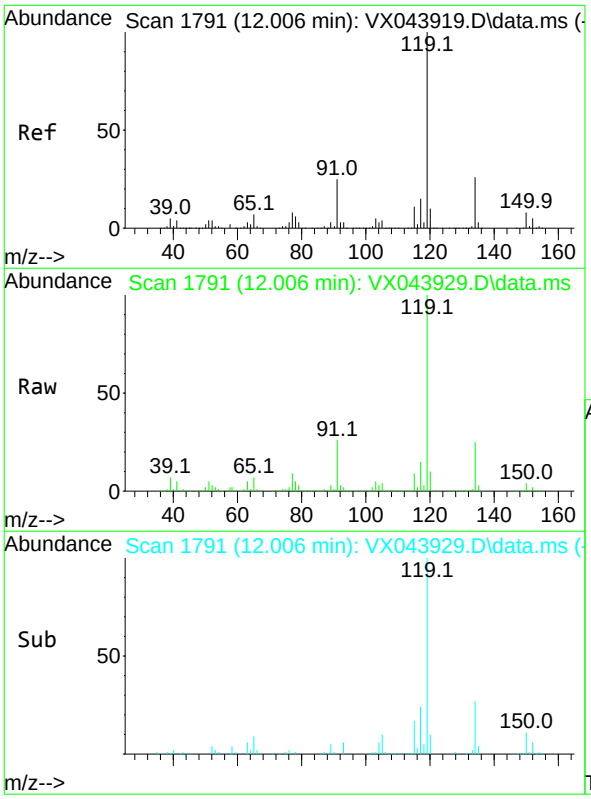
Ion	Ratio	Lower	Upper
105	100		
134	19.7	10.0	29.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

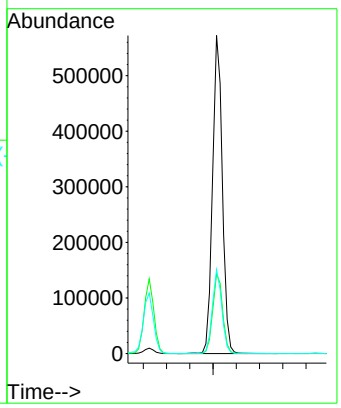


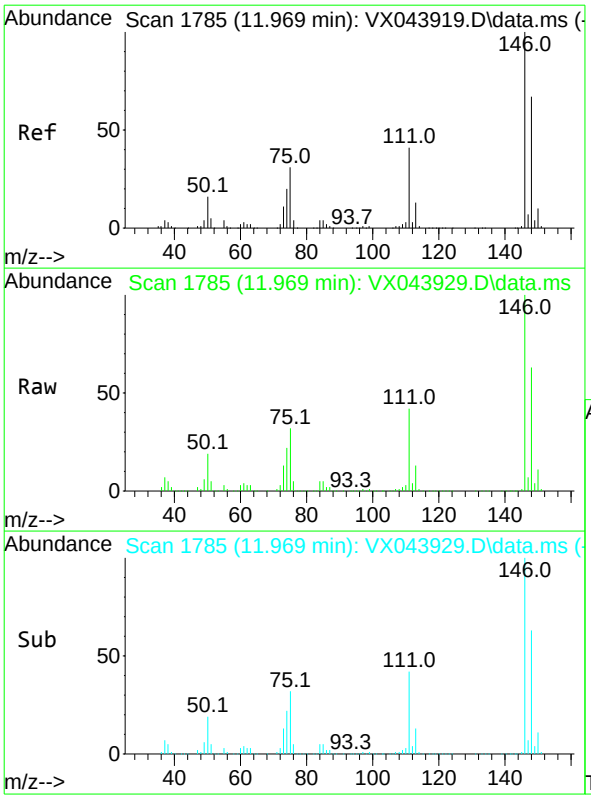


#86
p-Isopropyltoluene
Concen: 106.078 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

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

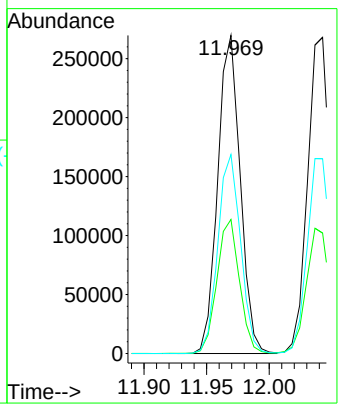




#87
1,3-Dichlorobenzene
Concen: 100.095 ug/l
RT: 11.969 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:146 Resp: 337665

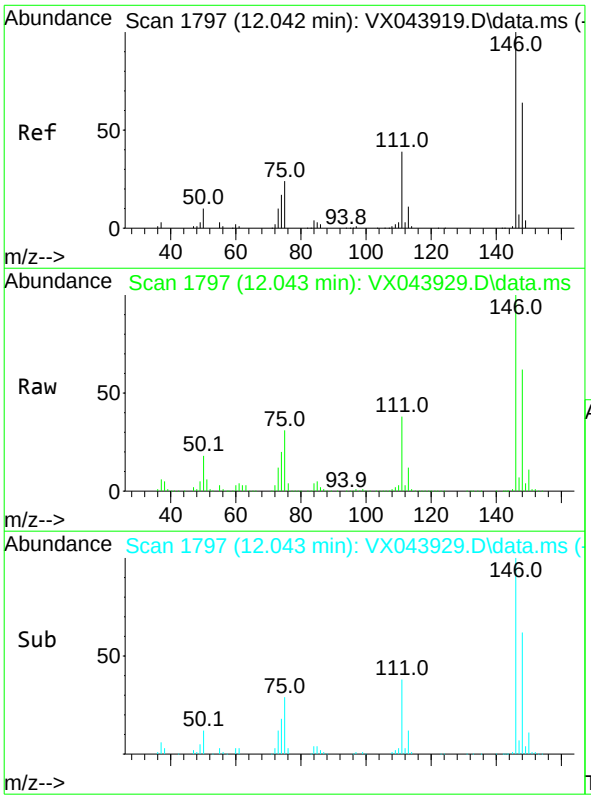
Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.8	62.2
148	63.1	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

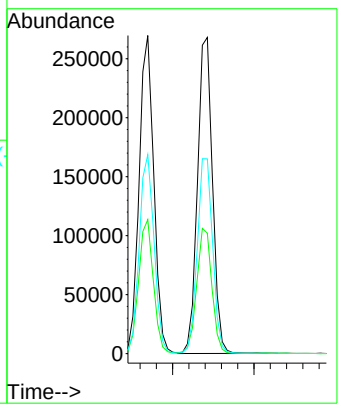
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

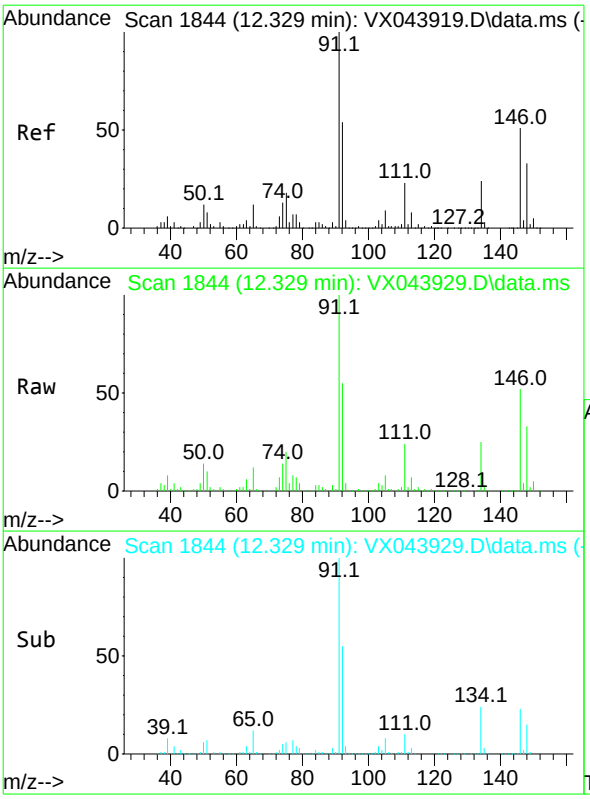


#88
1,4-Dichlorobenzene
Concen: 99.262 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

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

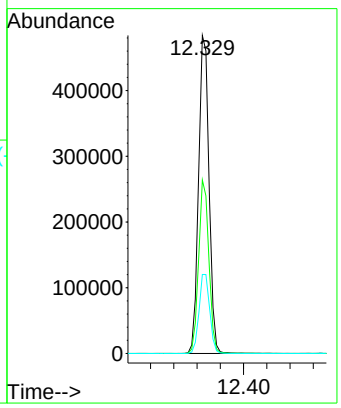
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

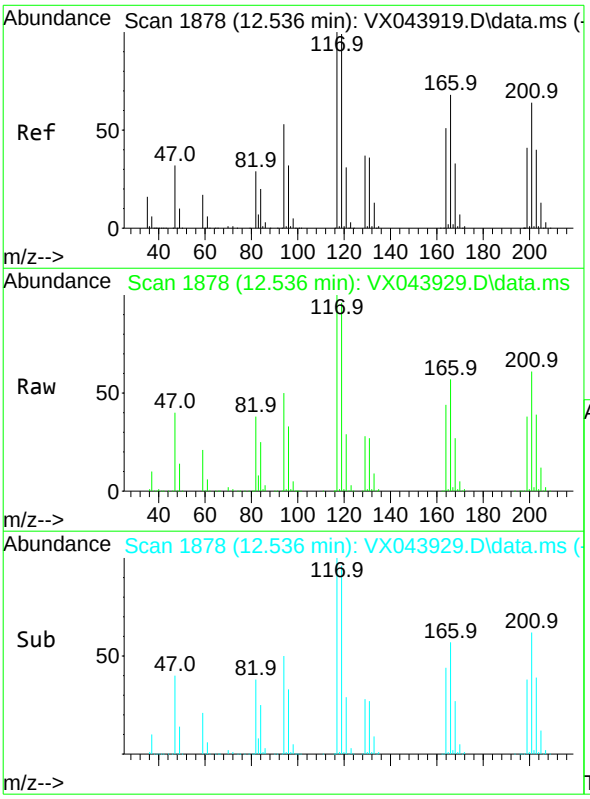
Tgt Ion: 91 Resp: 605284

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

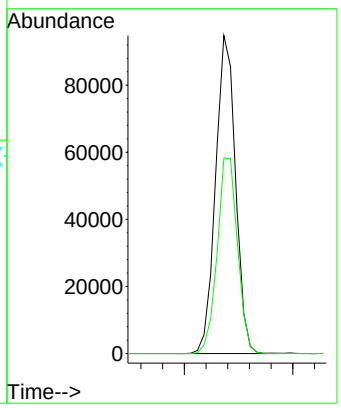


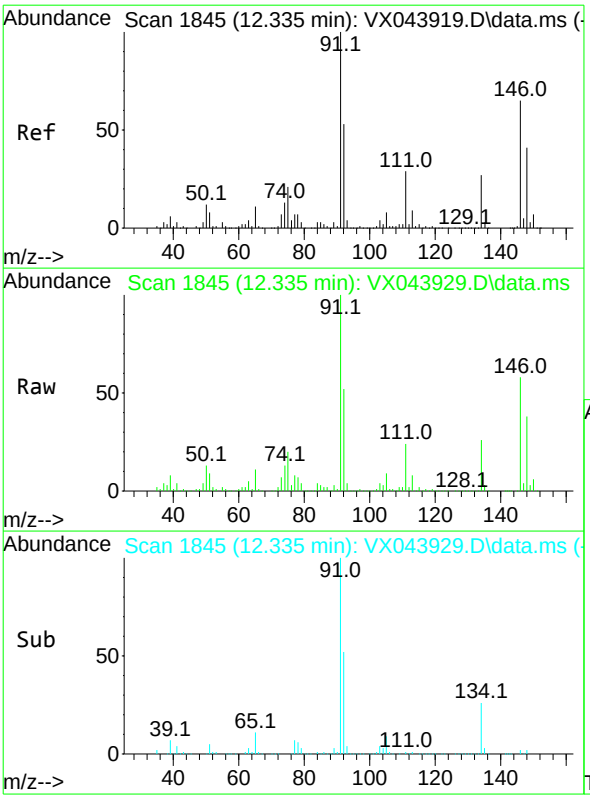


#90
Hexachloroethane
Concen: 113.763 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

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

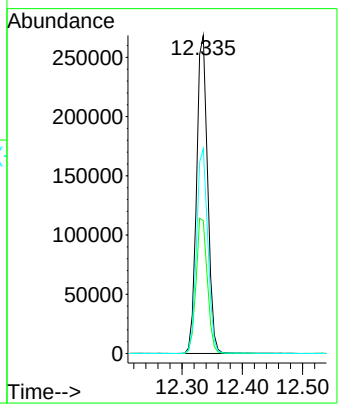
Tgt Ion:146 Resp: 341767

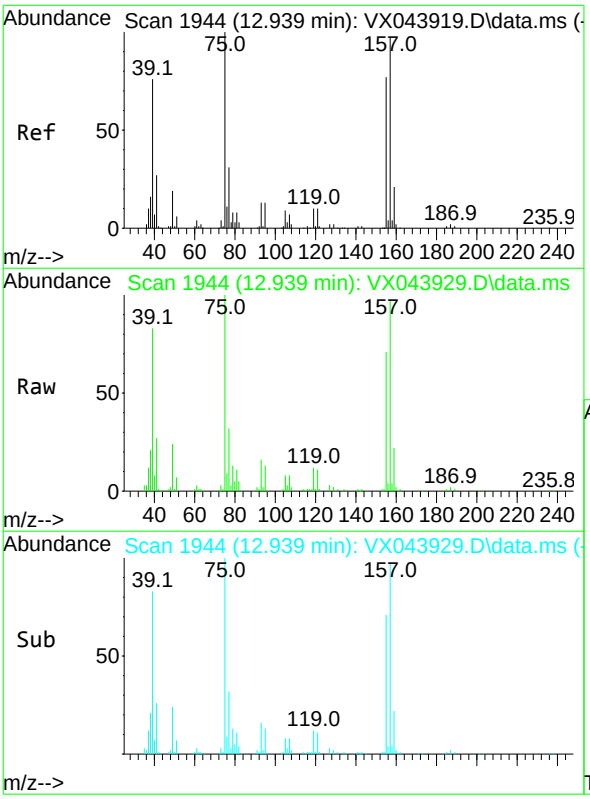
Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.7	65.1
148	65.0	31.6	94.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

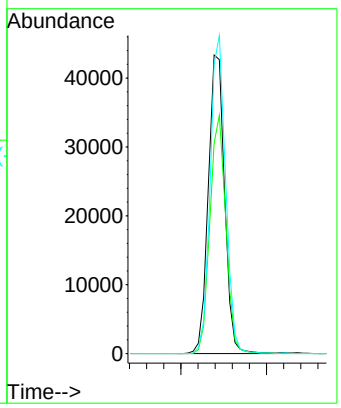


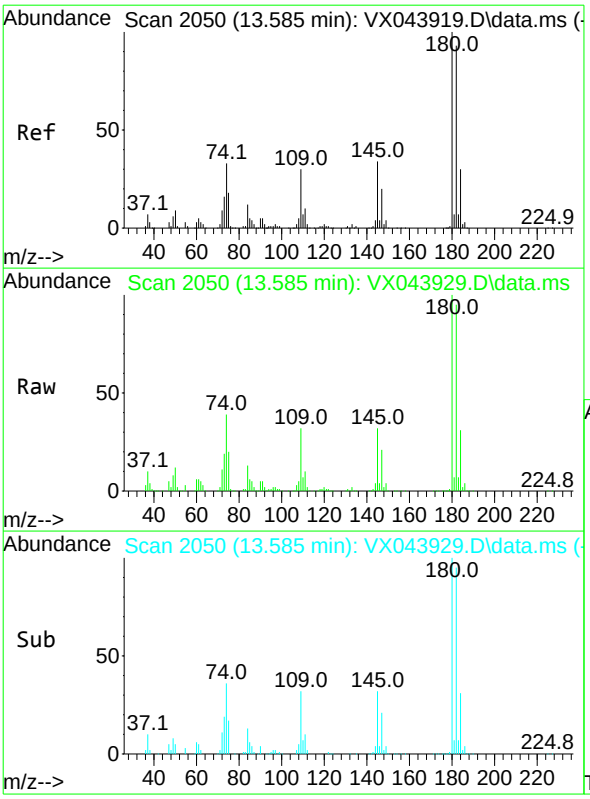


#92
1,2-Dibromo-3-Chloropropane
Concen: 110.517 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

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

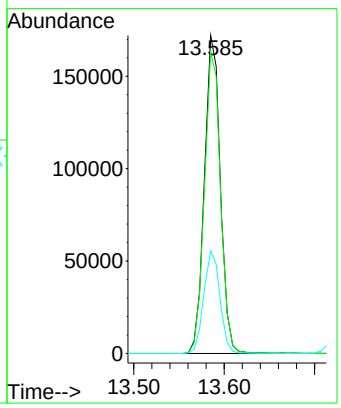




#93
1,2,4-Trichlorobenzene
Concen: 102.015 ug/l
RT: 13.585 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:180 Resp: 210571

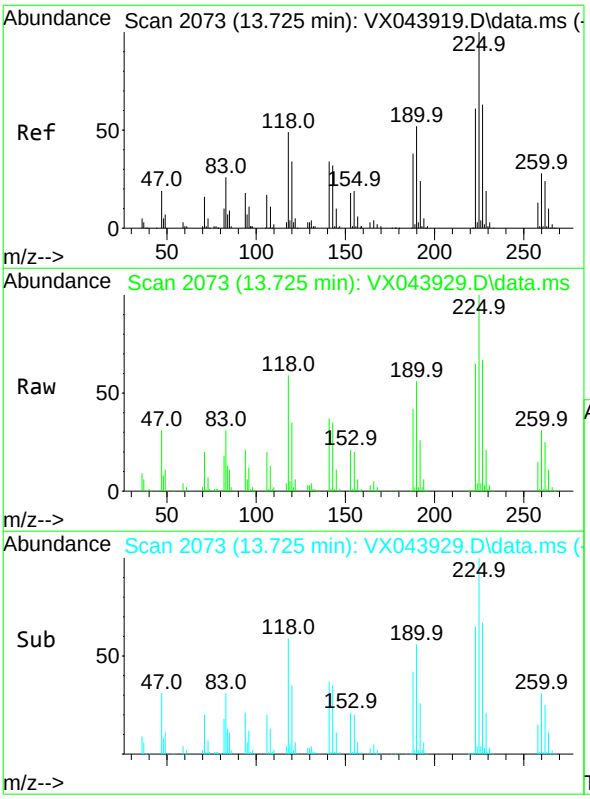
Ion	Ratio	Lower	Upper
180	100		
182	95.6	46.8	140.4
145	32.8	16.4	49.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

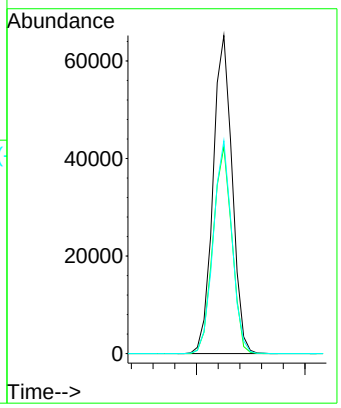
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

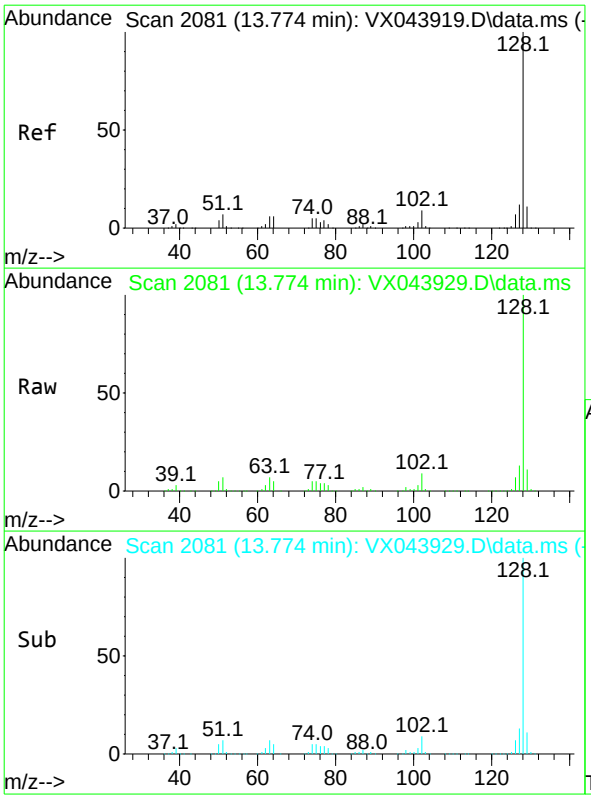


#94
Hexachlorobutadiene
Concen: 94.363 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

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

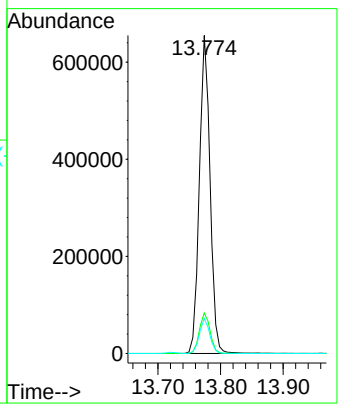




#95
Naphthalene
Concen: 100.923 ug/l
RT: 13.774 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:128 Resp: 776740

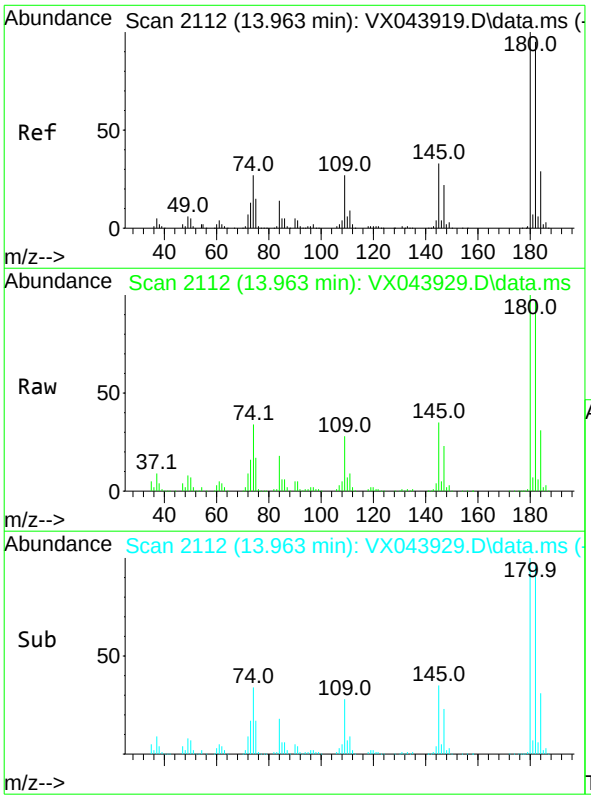
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.1	15.1
129	10.8	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

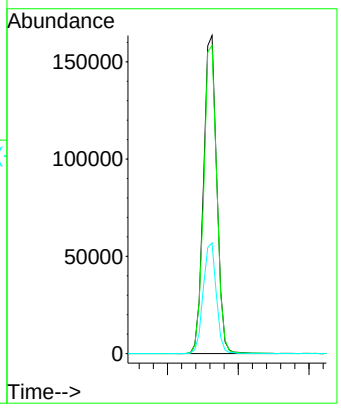
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#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

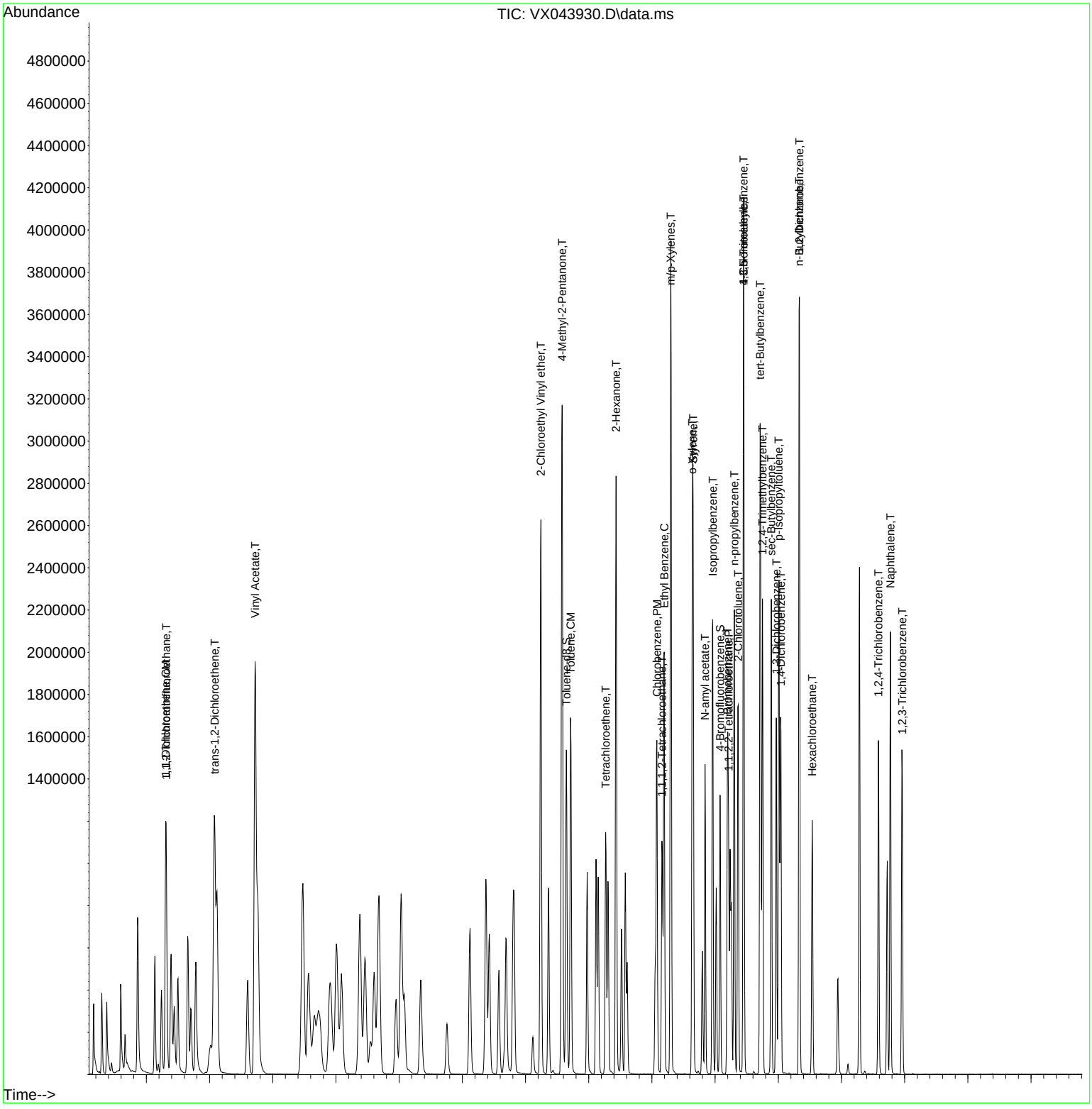
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043930.D
Acq On : 21 Nov 2024 12:03
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

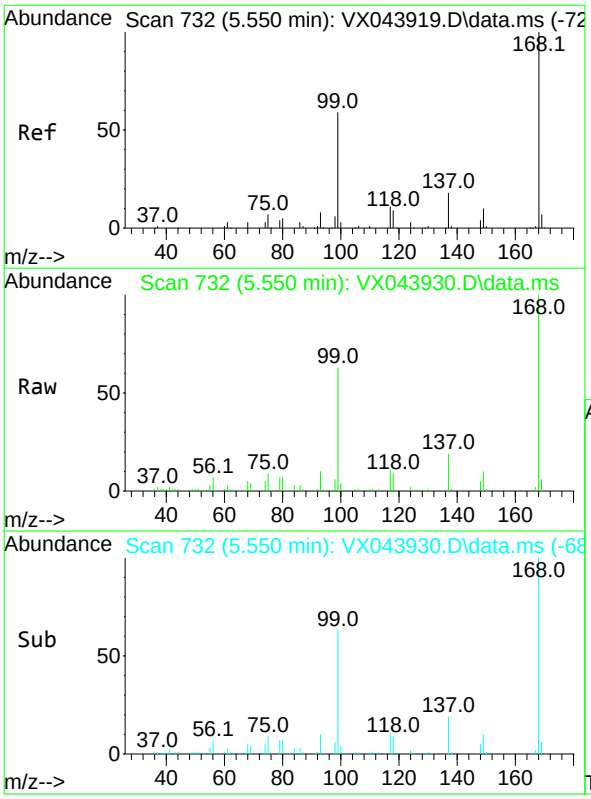
Quant Time: Nov 21 12:32:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 12:18:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

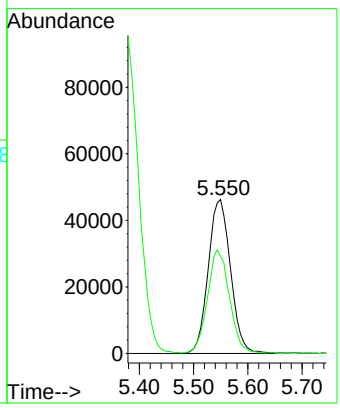




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:168 Resp: 132286

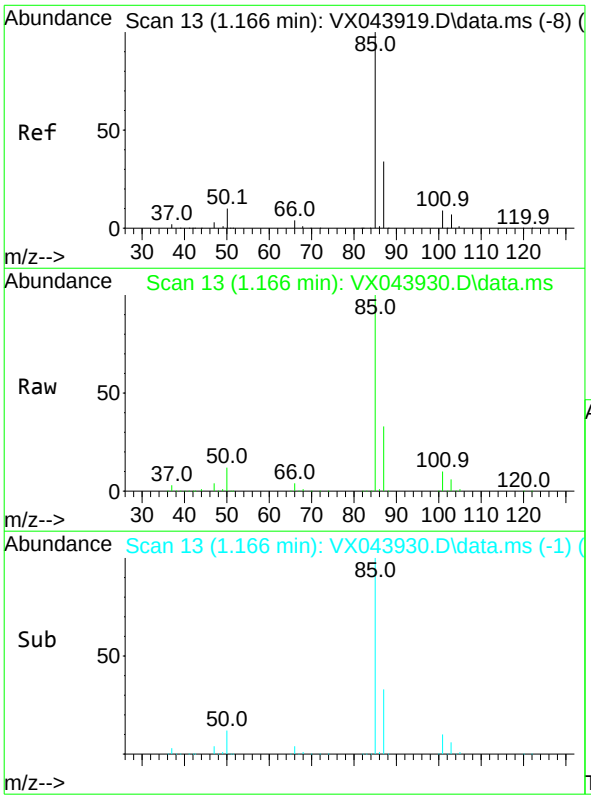
Ion	Ratio	Lower	Upper
168	100		
99	62.9	46.9	70.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

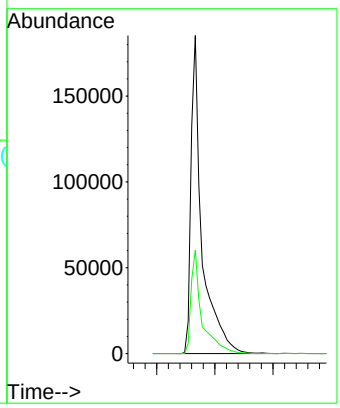
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

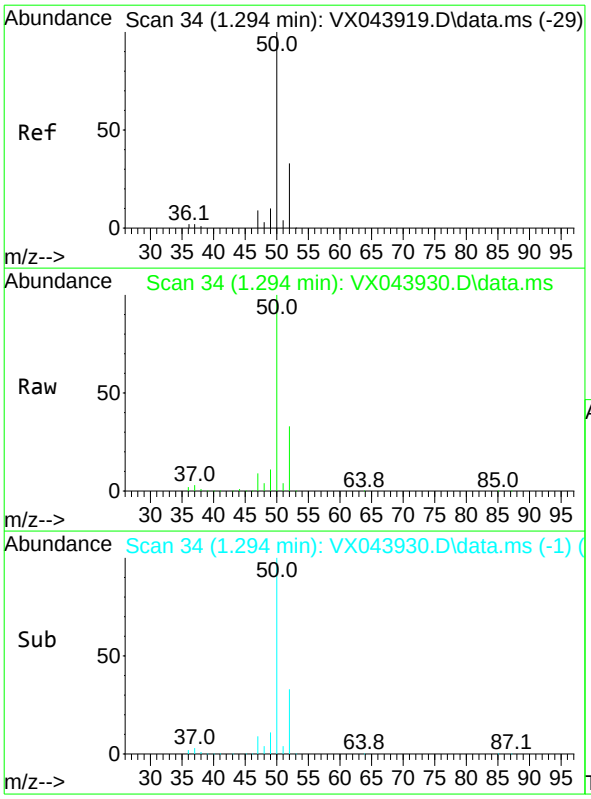


#2
Dichlorodifluoromethane
Concen: 180.335 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 85 Resp: 241389

Ion	Ratio	Lower	Upper
85	100		
87	32.5	17.1	51.2

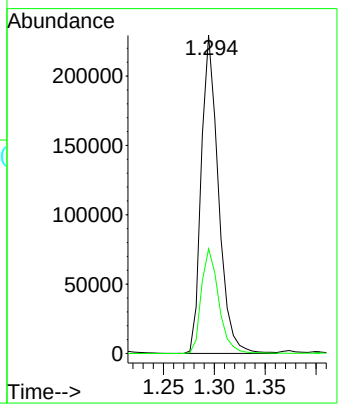




#3
Chloromethane
Concen: 160.659 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 50 Resp: 268770

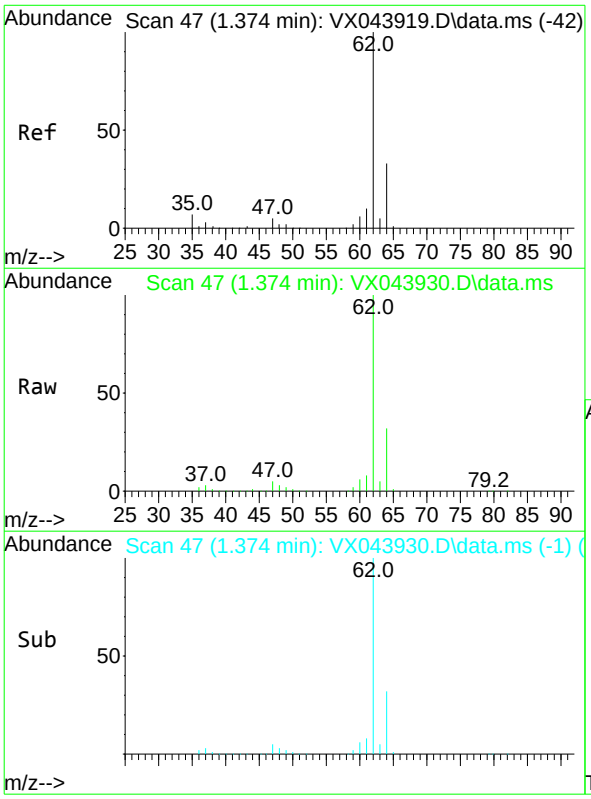
Ion	Ratio	Lower	Upper
50	100		
52	32.9	26.2	39.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

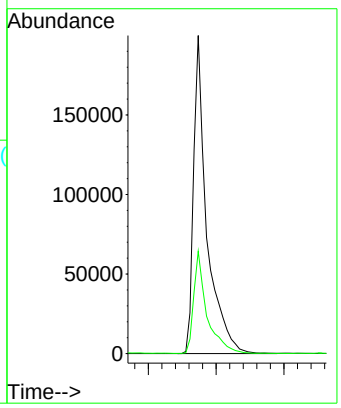
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

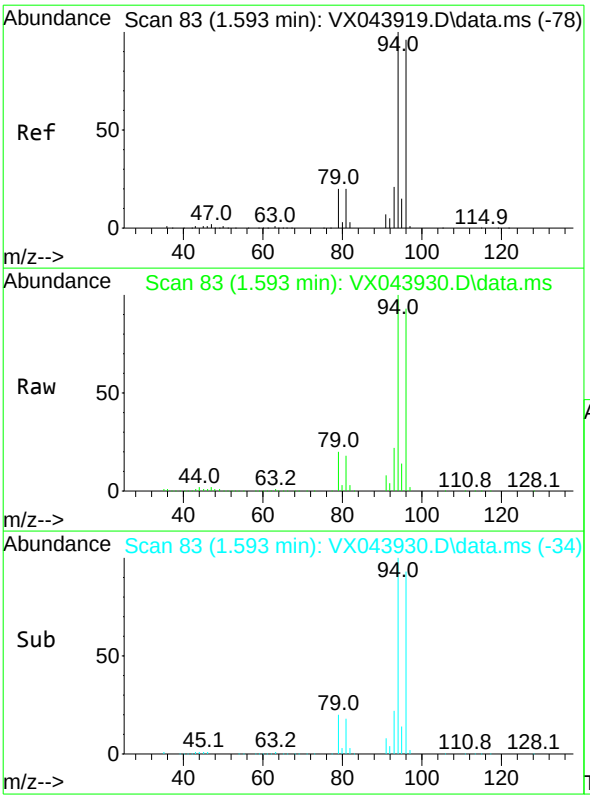


#4
Vinyl Chloride
Concen: 161.568 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 62 Resp: 271568

Ion	Ratio	Lower	Upper
62	100		
64	32.1	26.1	39.1

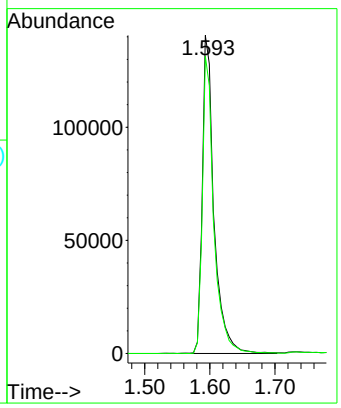




#5
Bromomethane
Concen: 229.967 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 94 Resp: 175581

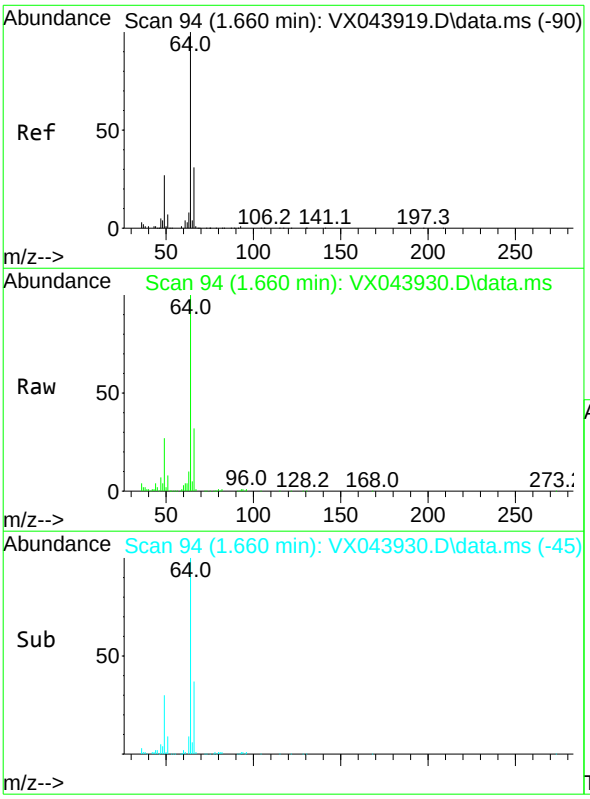
Ion	Ratio	Lower	Upper
94	100		
96	93.5	76.5	114.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

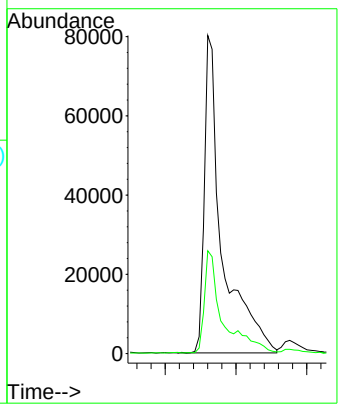
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

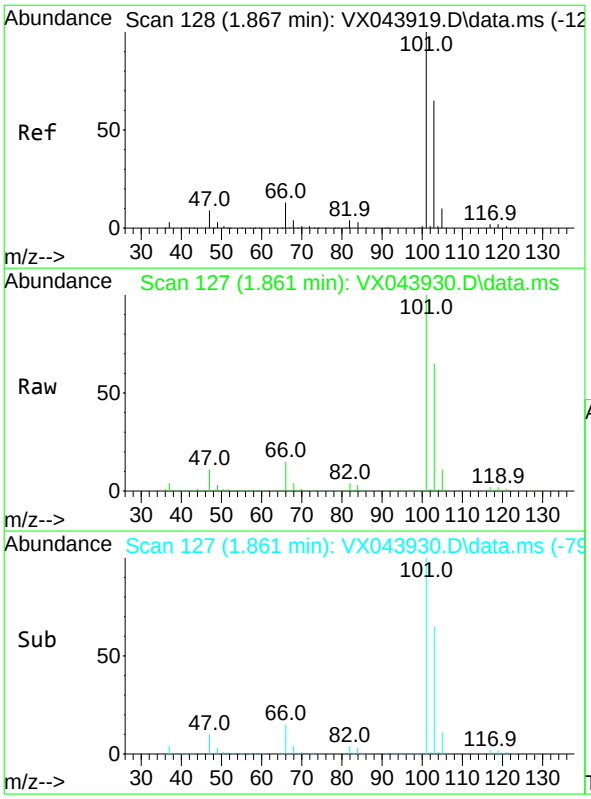


#6
Chloroethane
Concen: 174.839 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 64 Resp: 140375

Ion	Ratio	Lower	Upper
64	100		
66	32.0	24.9	37.3

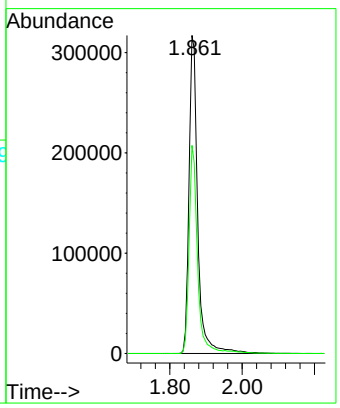




#7
Trichlorofluoromethane
Concen: 219.944 ug/l
RT: 1.861 min Scan# 12
Delta R.T. -0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:101 Resp: 527057

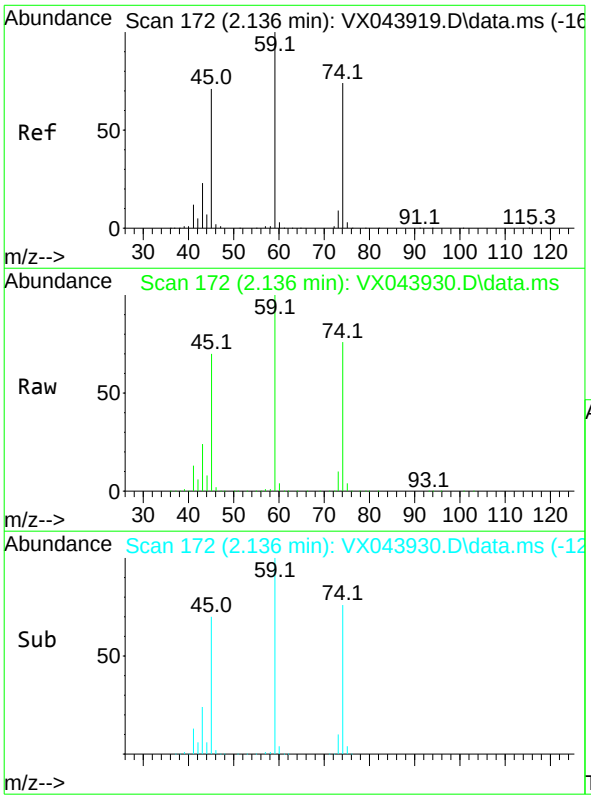
Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.2	78.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

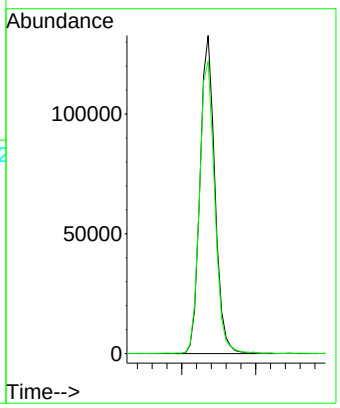
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

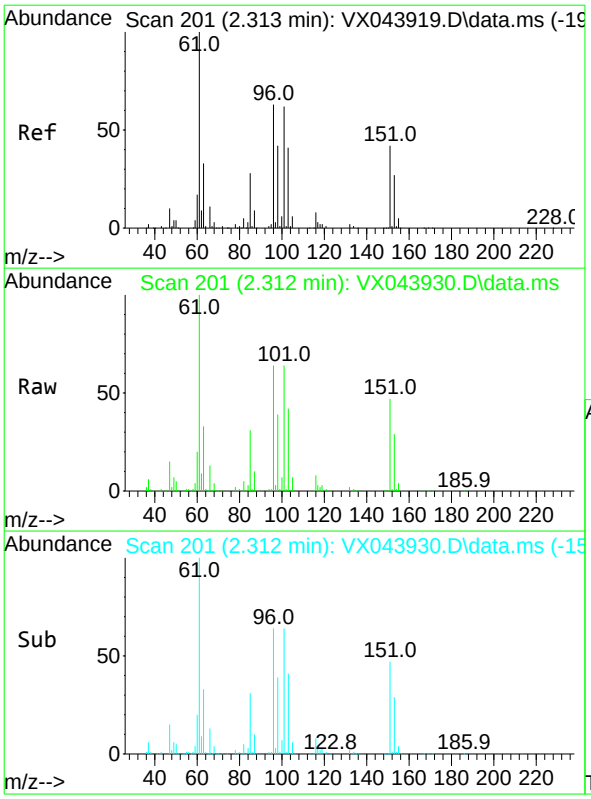


#8
Diethyl Ether
Concen: 204.934 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

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

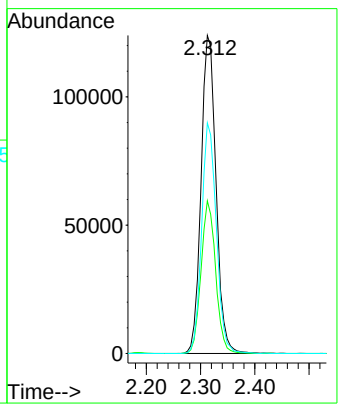
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

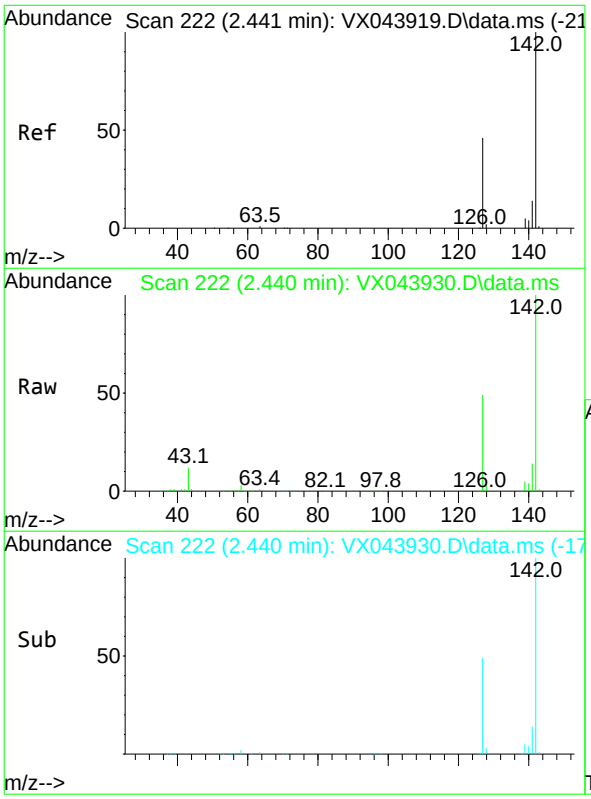
Tgt Ion:101 Resp: 237653

Ion	Ratio	Lower	Upper
101	100		
85	46.8	36.6	54.8
151	71.3	59.8	89.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

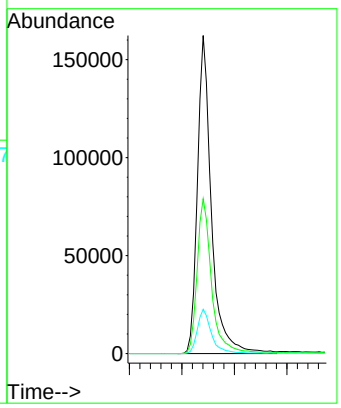


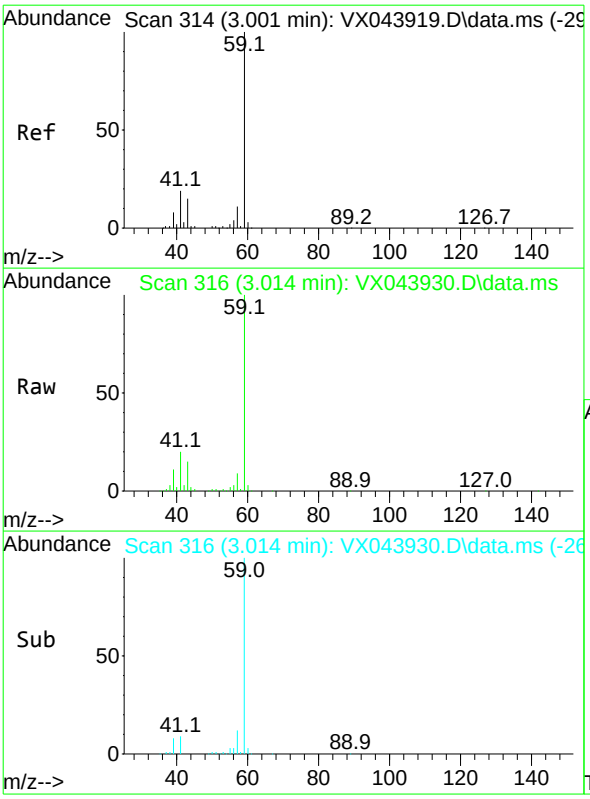


#10
Methyl Iodide
Concen: 150.207 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

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

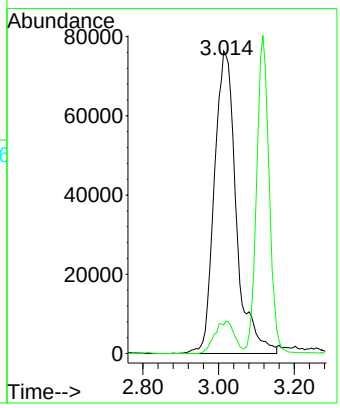




#11
Tert butyl alcohol
Concen: 947.555 ug/l
RT: 3.014 min Scan# 31
Delta R.T. 0.012 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 59 Resp: 306168

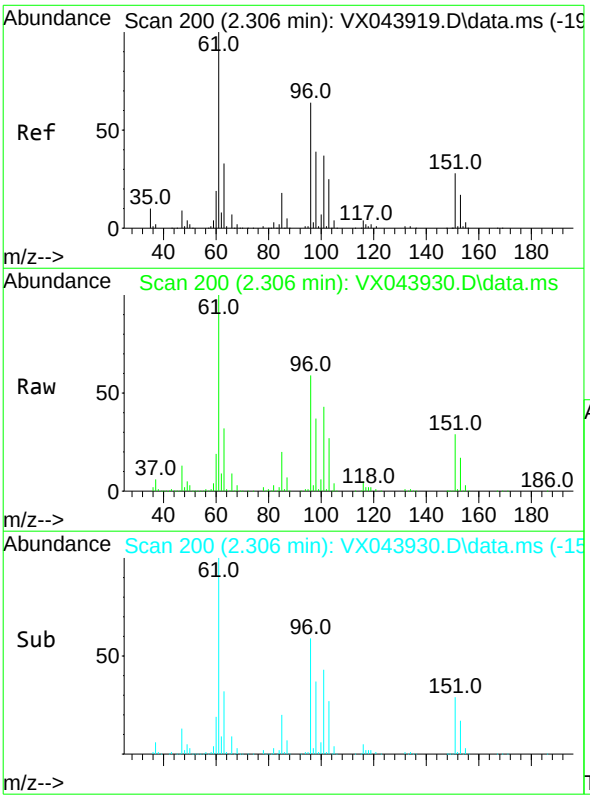
Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.2	12.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

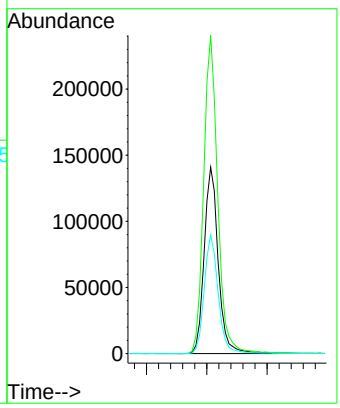
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

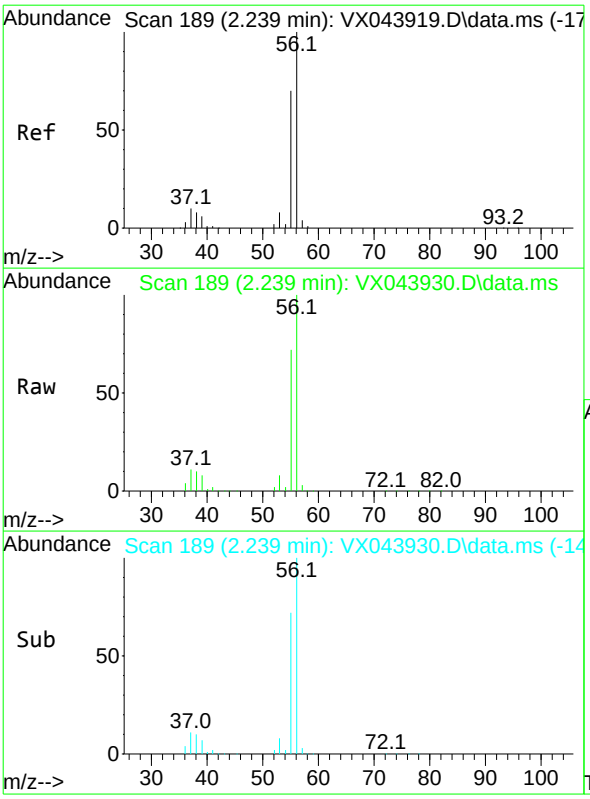


#12
1,1-Dichloroethene
Concen: 166.017 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

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

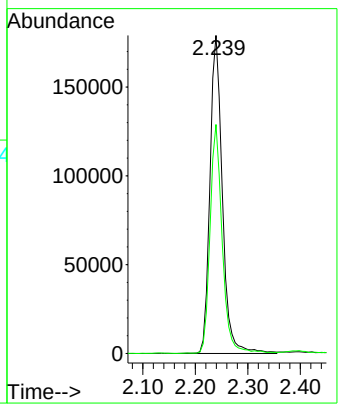




#13
Acrolein
Concen: 813.086 ug/l
RT: 2.239 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 56 Resp: 294638

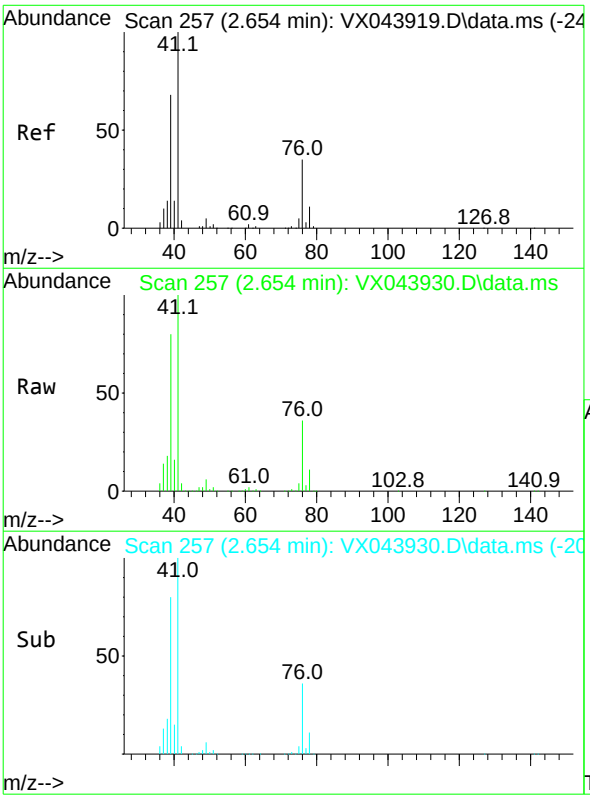
Ion	Ratio	Lower	Upper
56	100		
55	70.1	56.1	84.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

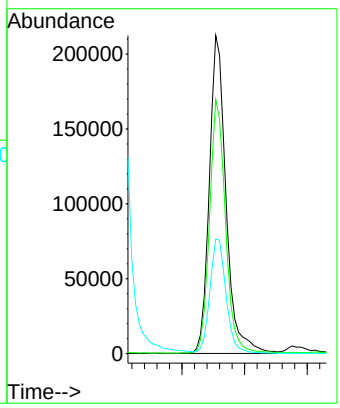
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

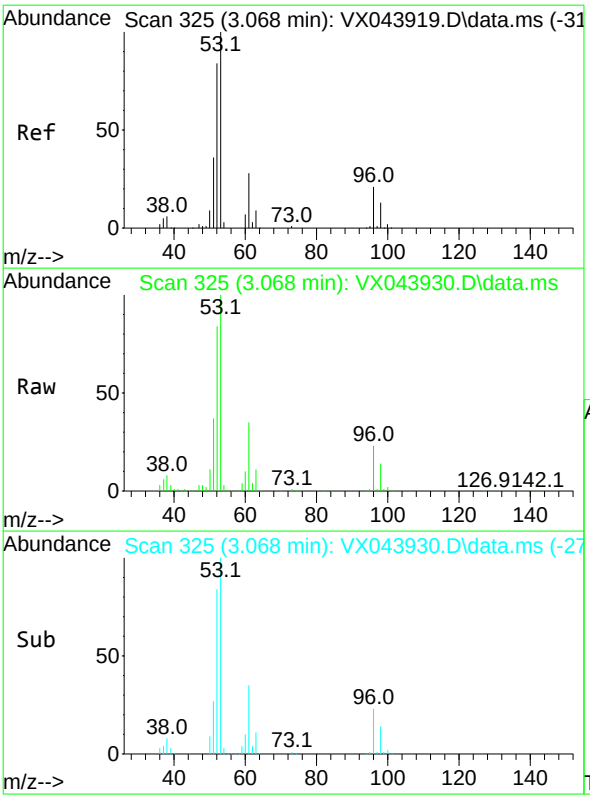


#14
Allyl chloride
Concen: 176.662 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

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

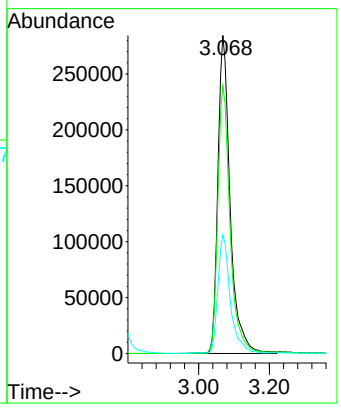




#15
Acrylonitrile
Concen: 822.558 ug/l
RT: 3.068 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 53 Resp: 684169

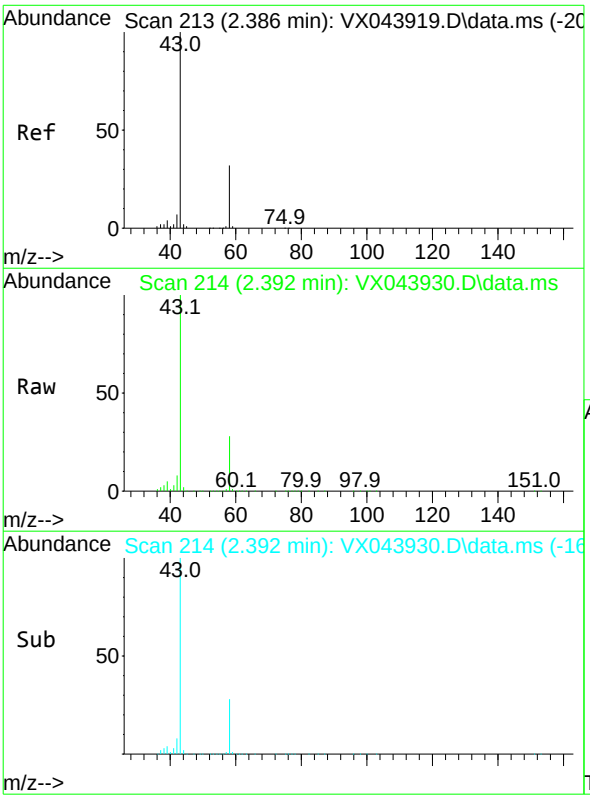
Ion	Ratio	Lower	Upper
53	100		
52	83.9	65.8	98.8
51	37.1	28.6	42.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

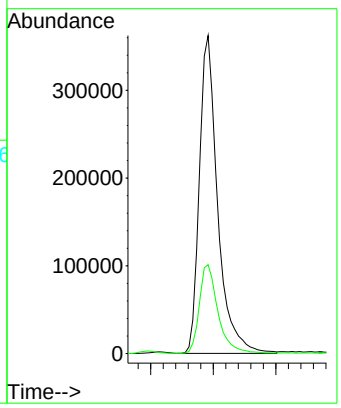
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

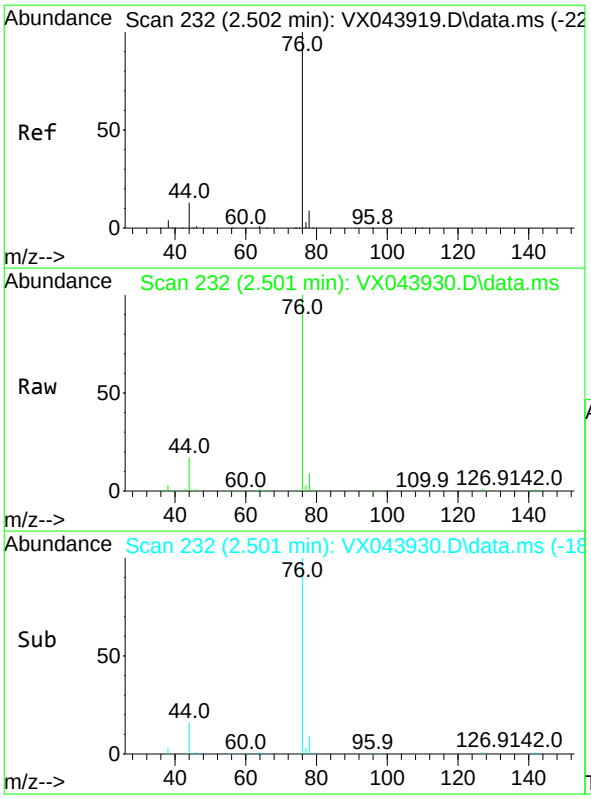


#16
Acetone
Concen: 899.588 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

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

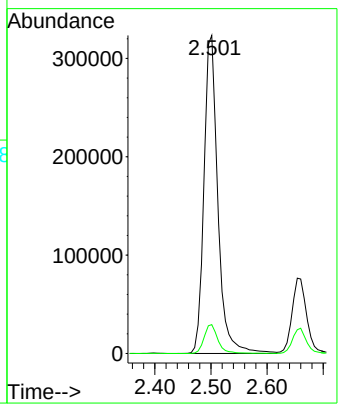
Tgt Ion: 76 Resp: 554853

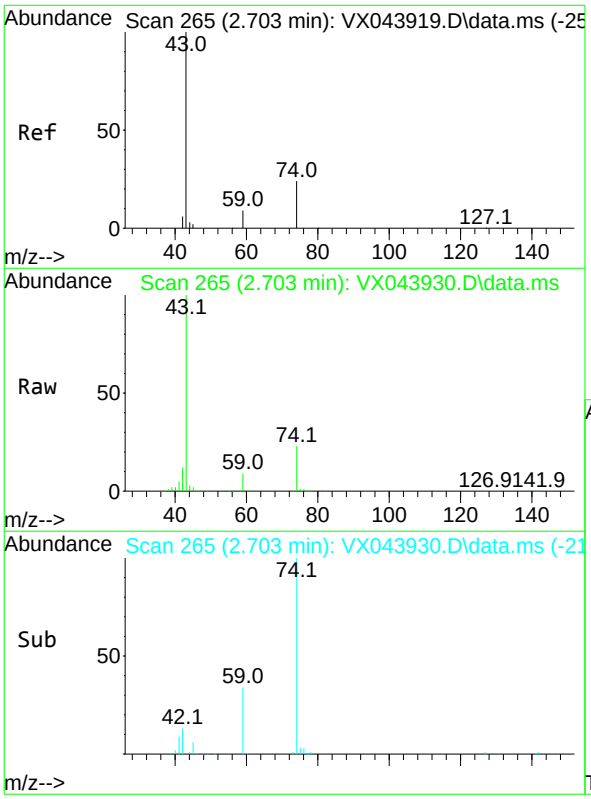
Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

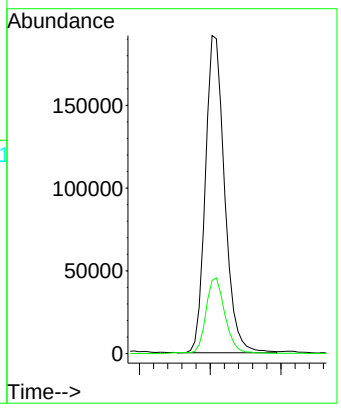


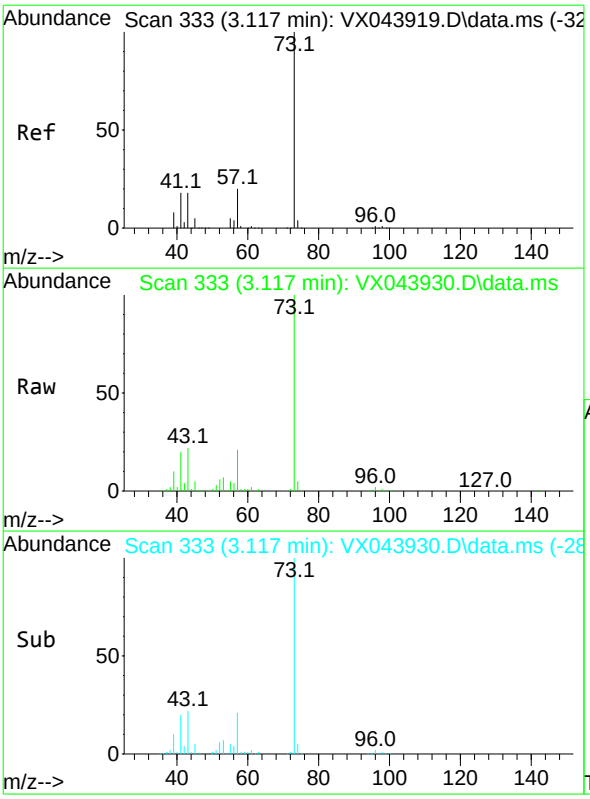


#18
Methyl Acetate
Concen: 161.681 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 43 Resp: 361338

Ion	Ratio	Lower	Upper
43	100		
74	24.0	20.1	30.1

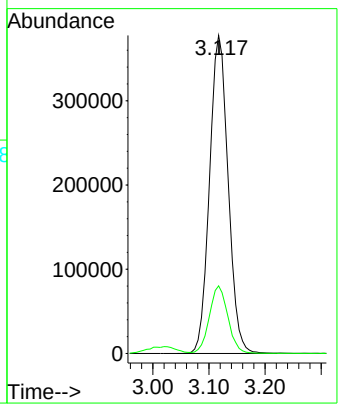




#19
Methyl tert-butyl Ether
Concen: 170.980 ug/l
RT: 3.117 min Scan# 33
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 73 Resp: 869848

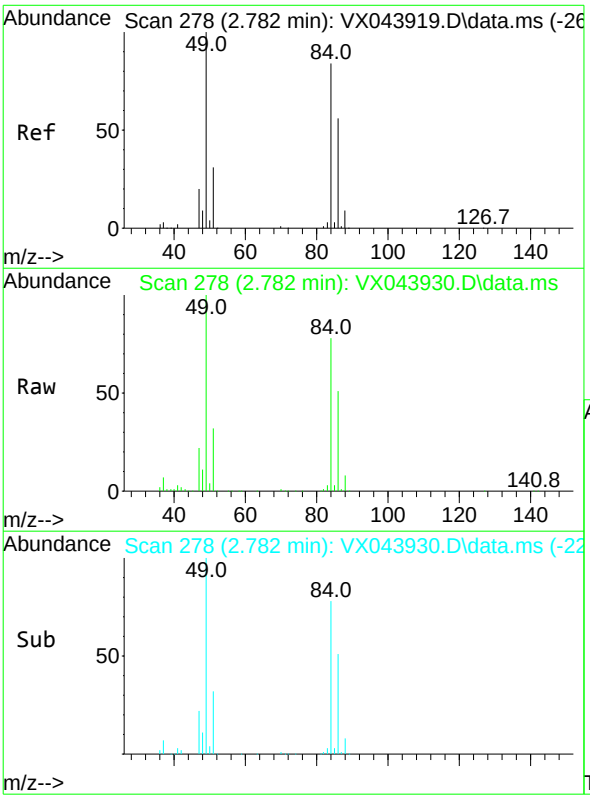
Ion	Ratio	Lower	Upper
73	100		
57	21.2	16.4	24.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

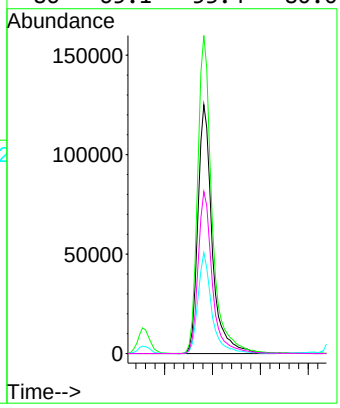
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

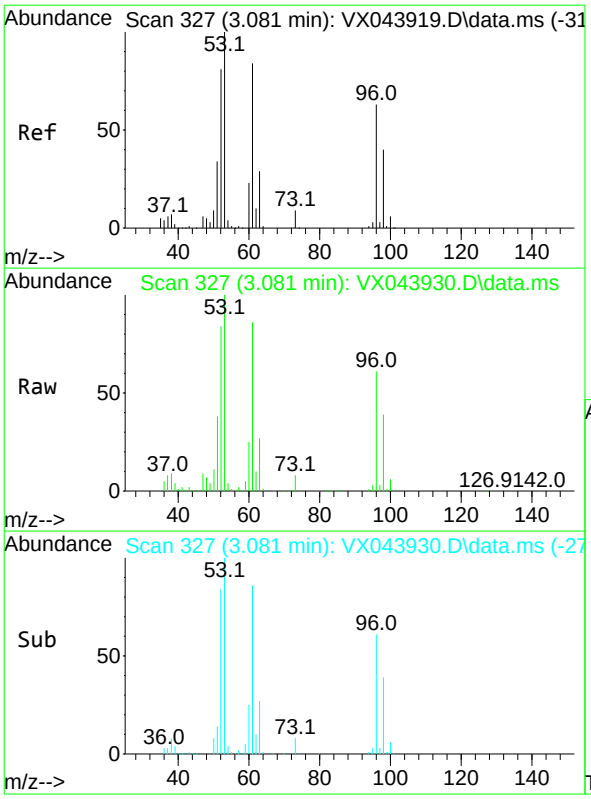


#20
Methylene Chloride
Concen: 152.260 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

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

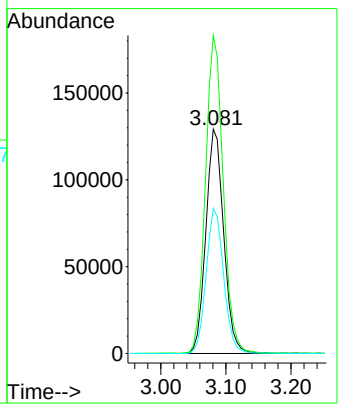




#21
trans-1,2-Dichloroethene
Concen: 163.596 ug/l
RT: 3.081 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 96 Resp: 245485

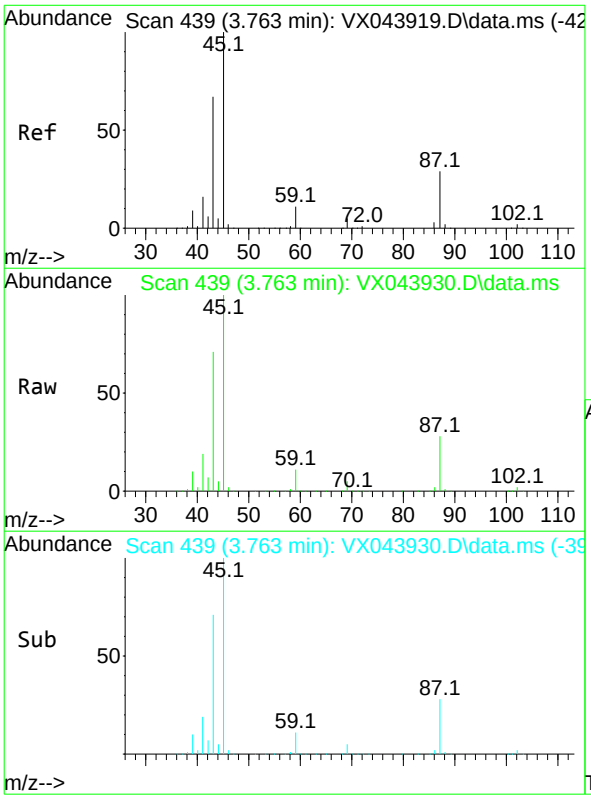
Ion	Ratio	Lower	Upper
96	100		
61	141.6	106.4	159.6
98	64.6	50.9	76.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

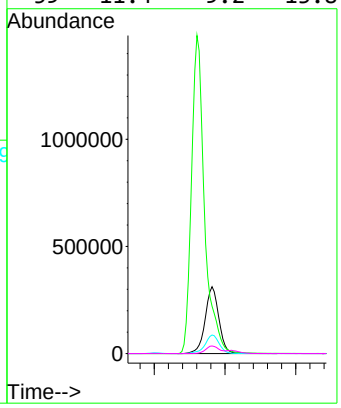
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

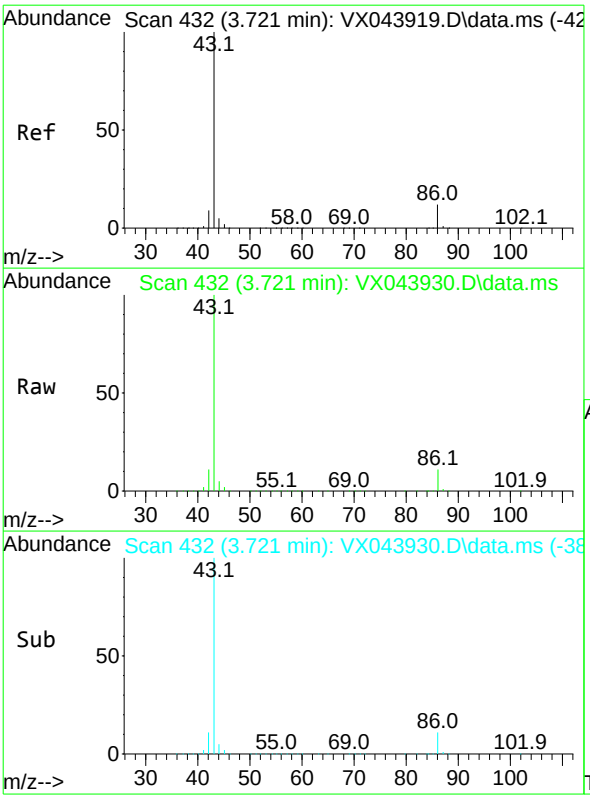


#22
Diisopropyl ether
Concen: 171.467 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

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

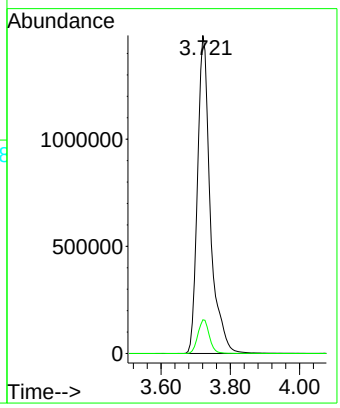




#23
Vinyl Acetate
Concen: 961.094 ug/l
RT: 3.721 min Scan# 43
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 43 Resp: 3797951

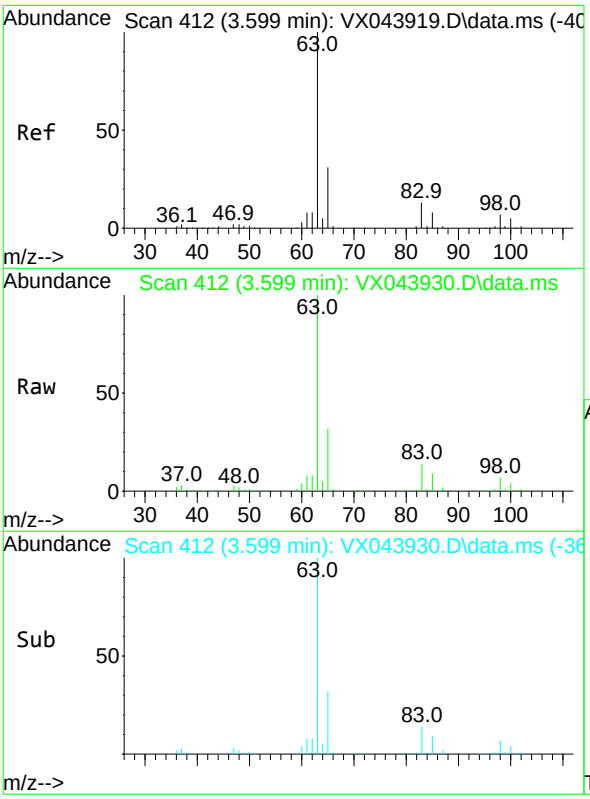
Ion	Ratio	Lower	Upper
43	100		
86	10.6	9.4	14.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

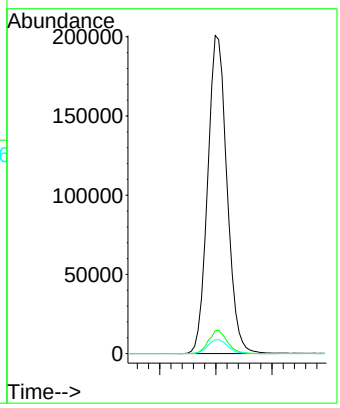
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

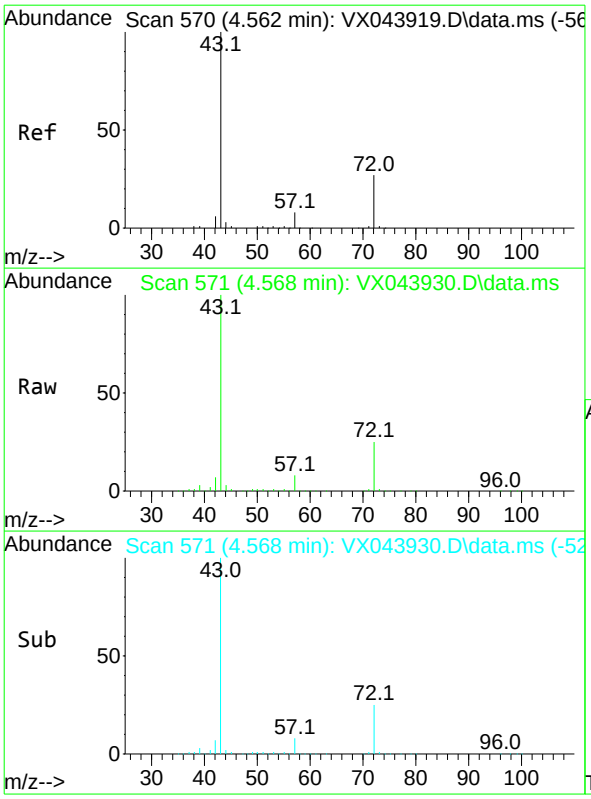


#24
1,1-Dichloroethane
Concen: 167.262 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

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

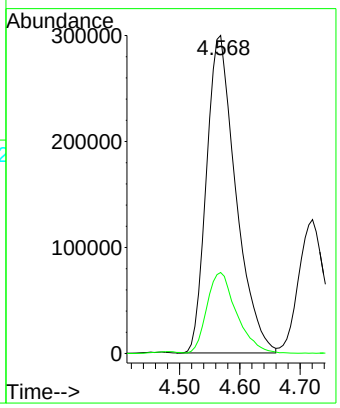
Tgt Ion: 43 Resp: 1012692

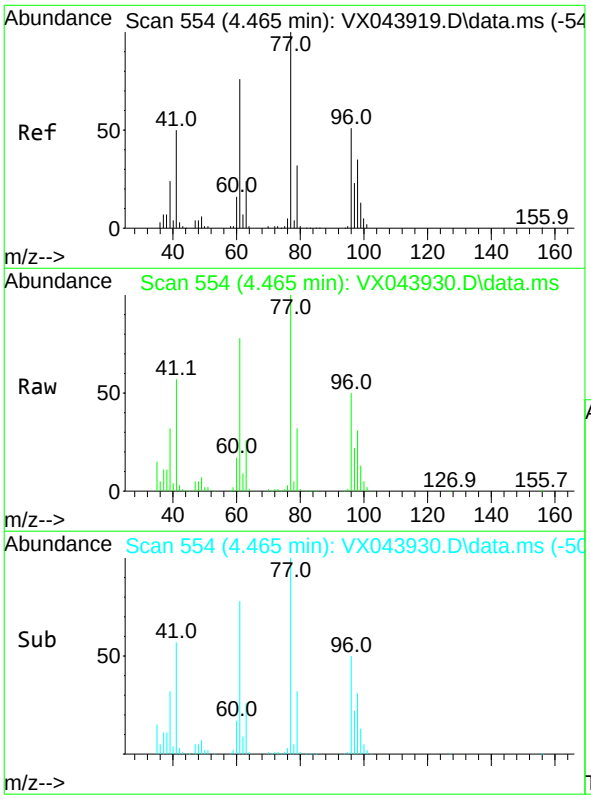
Ion	Ratio	Lower	Upper
43	100		
72	25.2	21.3	31.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

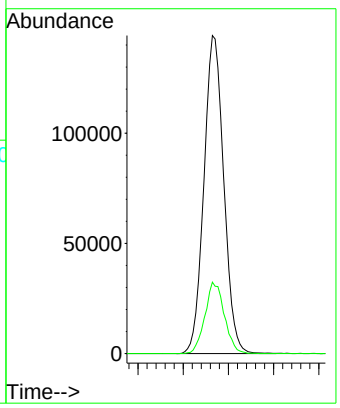


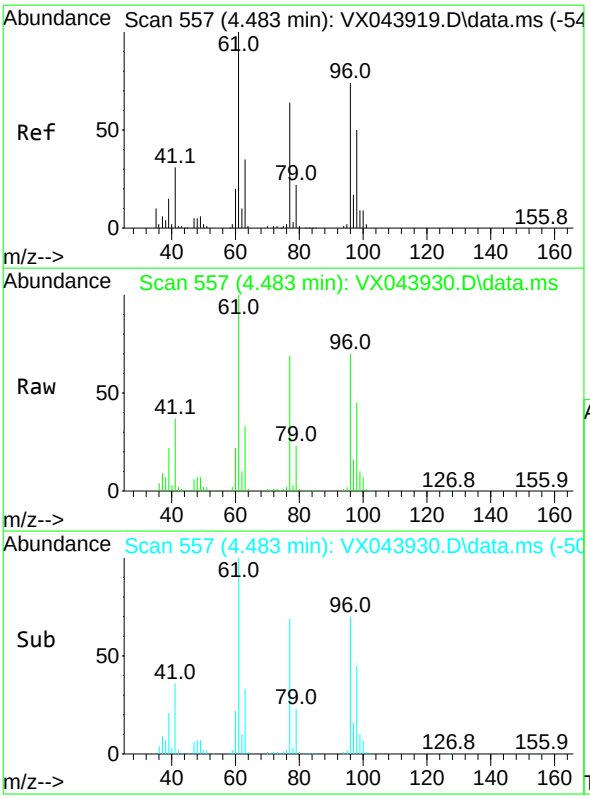


#26
2,2-Dichloropropane
Concen: 186.761 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 77 Resp: 440061

Ion	Ratio	Lower	Upper
77	100		
97	22.0	11.7	35.1

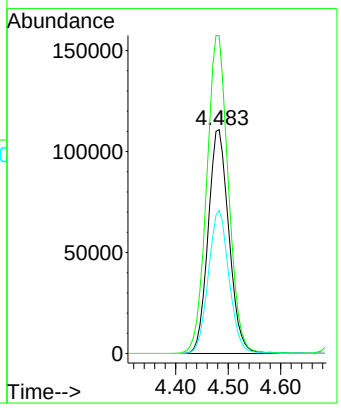




#27
cis-1,2-Dichloroethene
Concen: 162.978 ug/l
RT: 4.483 min Scan# 55
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 96 Resp: 304342

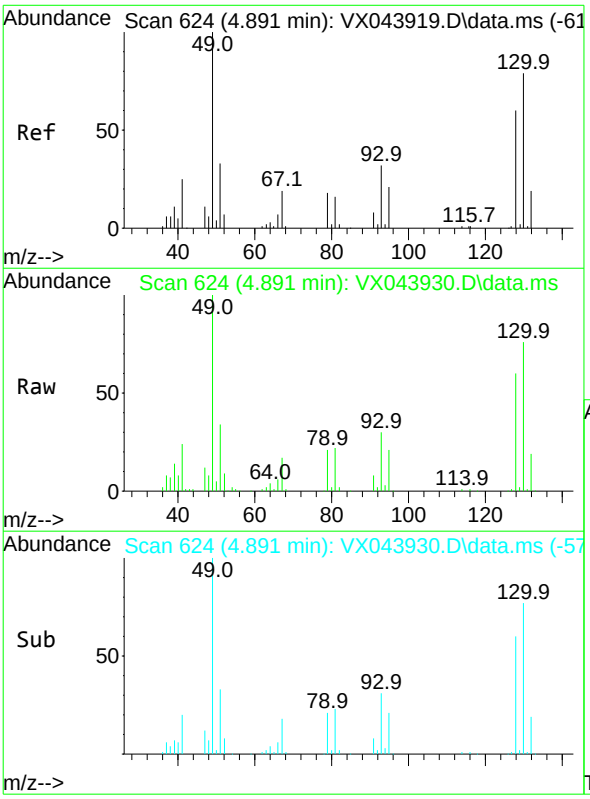
Ion	Ratio	Lower	Upper
96	100		
61	148.2	0.0	279.4
98	63.8	0.0	131.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

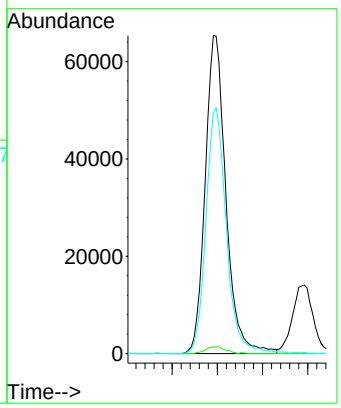
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

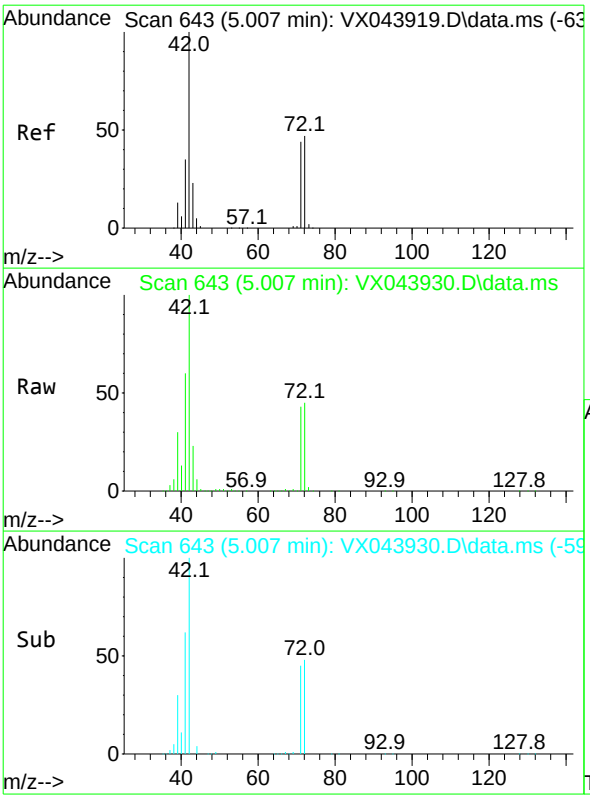


#28
Bromochloromethane
Concen: 172.194 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

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

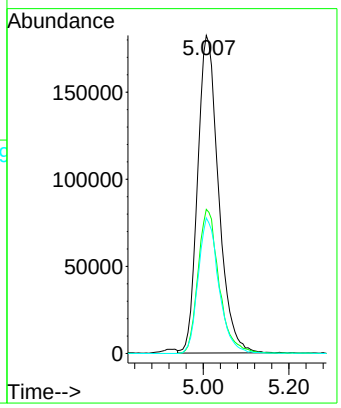




#29
Tetrahydrofuran
Concen: 836.734 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 42 Resp: 617277

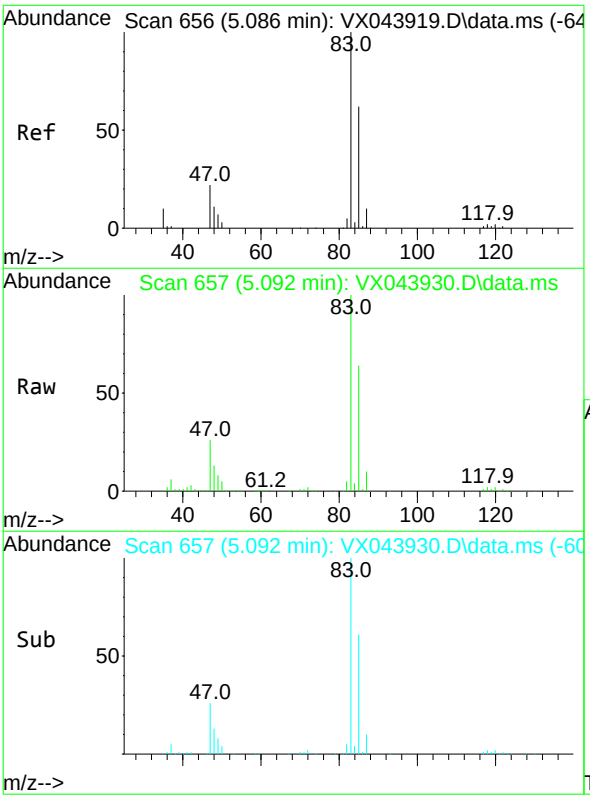
Ion	Ratio	Lower	Upper
42	100		
72	45.8	37.9	56.9
71	42.3	34.8	52.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

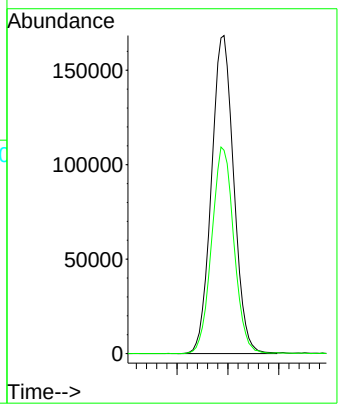
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

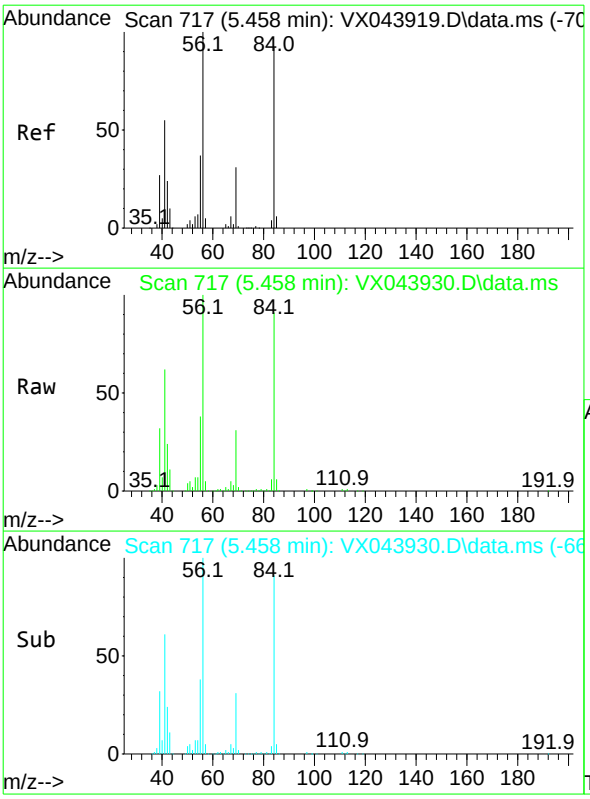


#30
Chloroform
Concen: 171.734 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

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

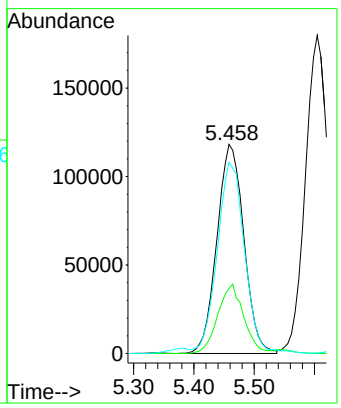
Tgt Ion: 56 Resp: 367157

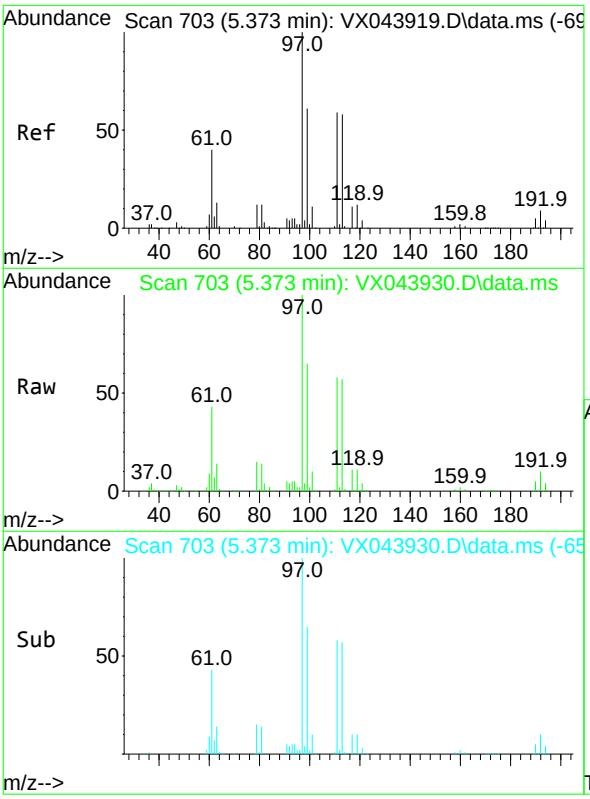
Ion	Ratio	Lower	Upper
56	100		
69	31.1	24.9	37.3
84	89.9	73.8	110.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

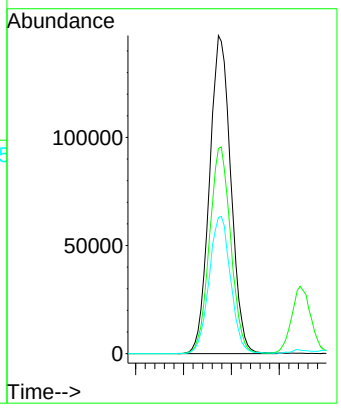


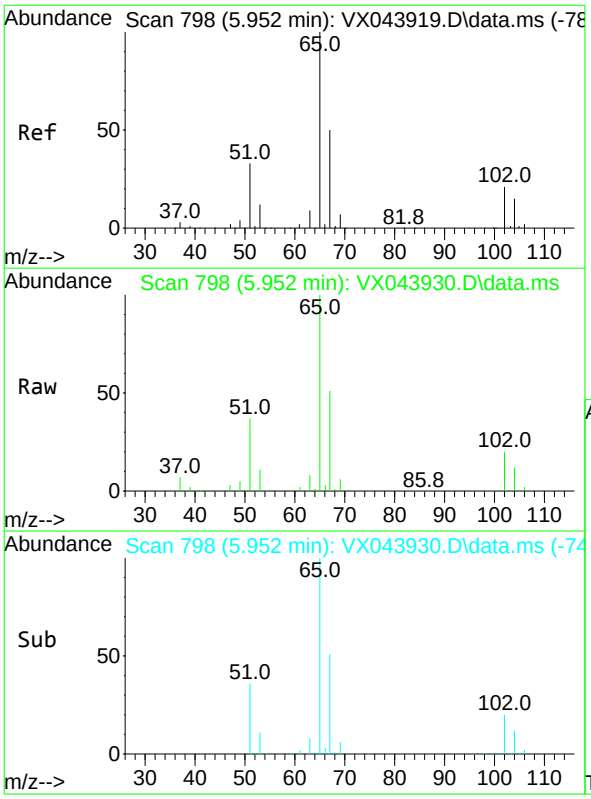


#32
1,1,1-Trichloroethane
Concen: 178.438 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

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

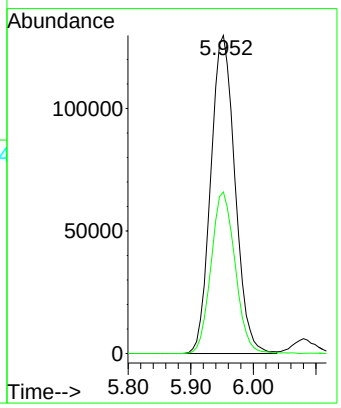




#33
1,2-Dichloroethane-d4
Concen: 171.797 ug/l
RT: 5.952 min Scan# 79
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 65 Resp: 349080

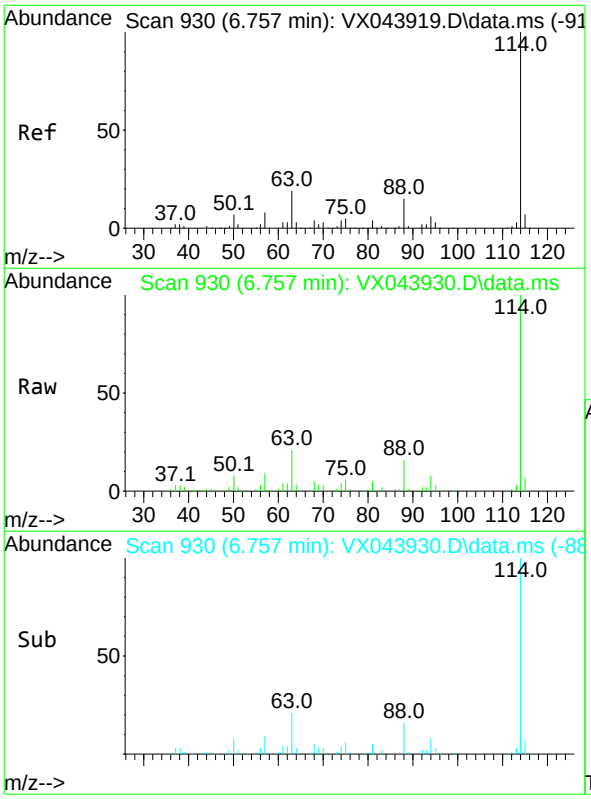
Ion	Ratio	Lower	Upper
65	100		
67	50.3	0.0	103.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

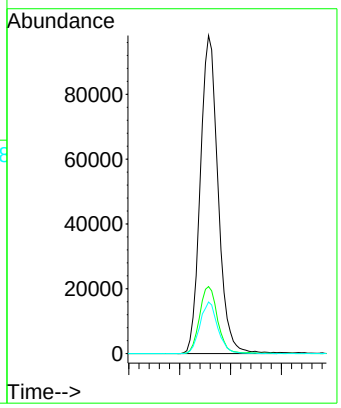
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

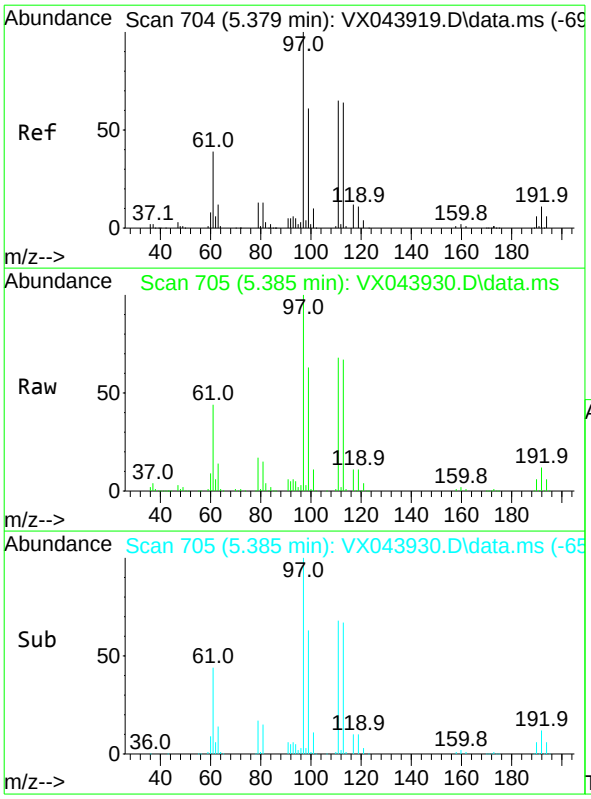


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

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

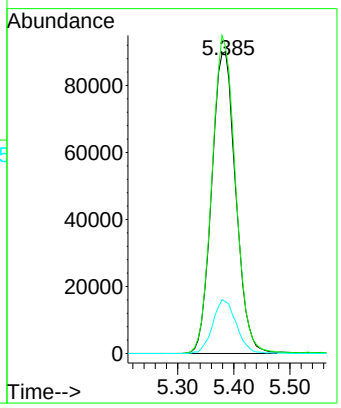




#35
Dibromofluoromethane
Concen: 168.036 ug/l
RT: 5.385 min Scan# 70
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:113 Resp: 268135

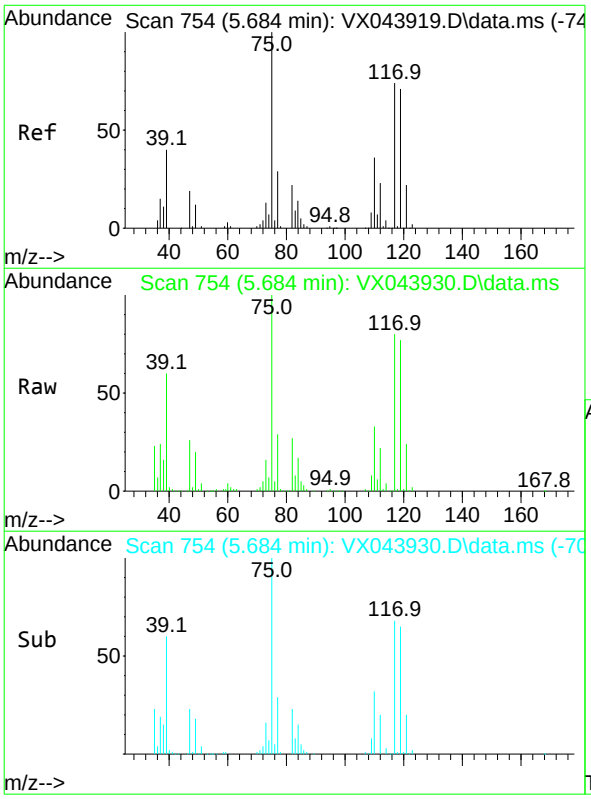
Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.0	121.6
192	17.6	14.2	21.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

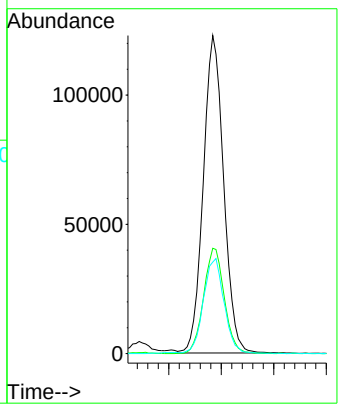
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

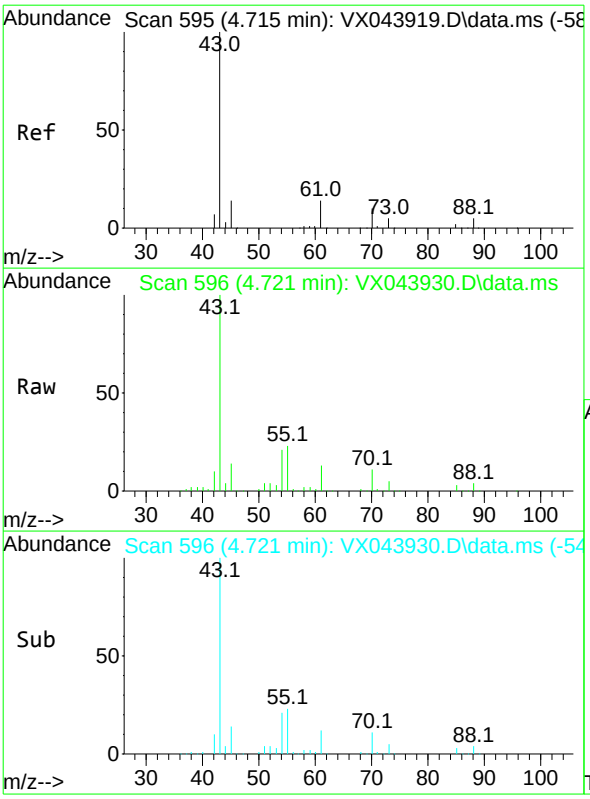


#36
1,1-Dichloropropene
Concen: 166.559 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

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

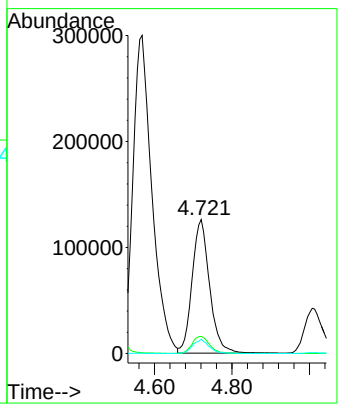




#37
Ethyl Acetate
Concen: 175.887 ug/l
RT: 4.721 min Scan# 59
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 43 Resp: 393670

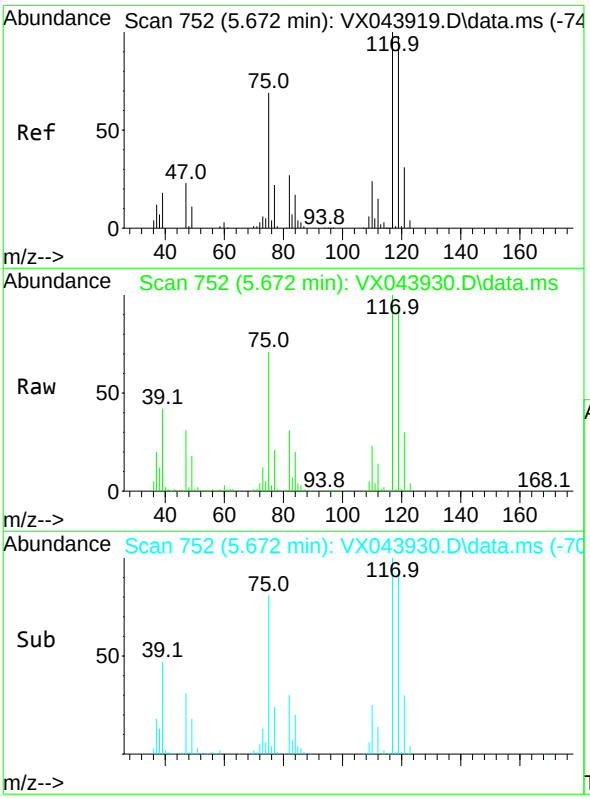
Ion	Ratio	Lower	Upper
43	100		
61	13.0	11.5	17.3
70	9.9	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

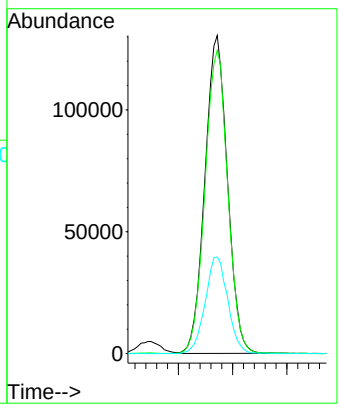
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

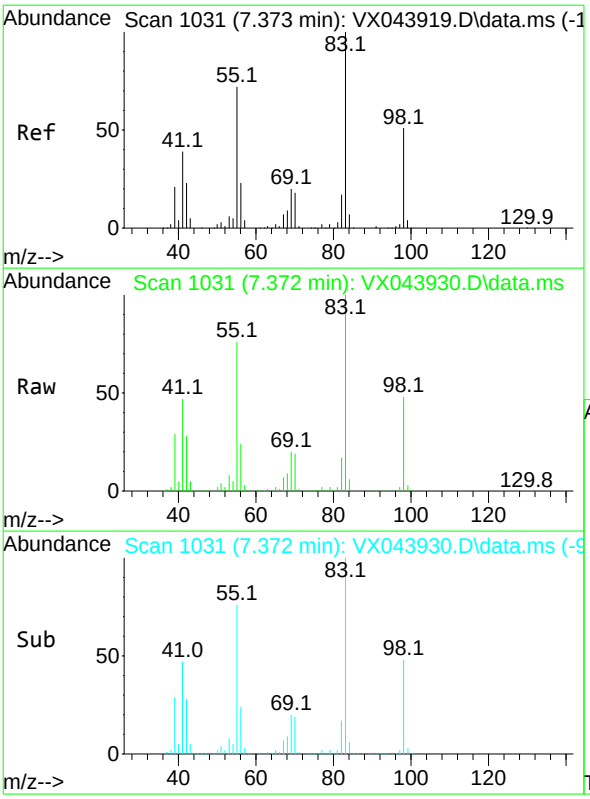


#38
Carbon Tetrachloride
Concen: 178.719 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

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

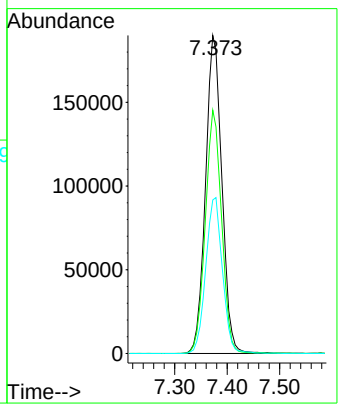




#39
Methylcyclohexane
Concen: 164.816 ug/l
RT: 7.372 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 83 Resp: 410333

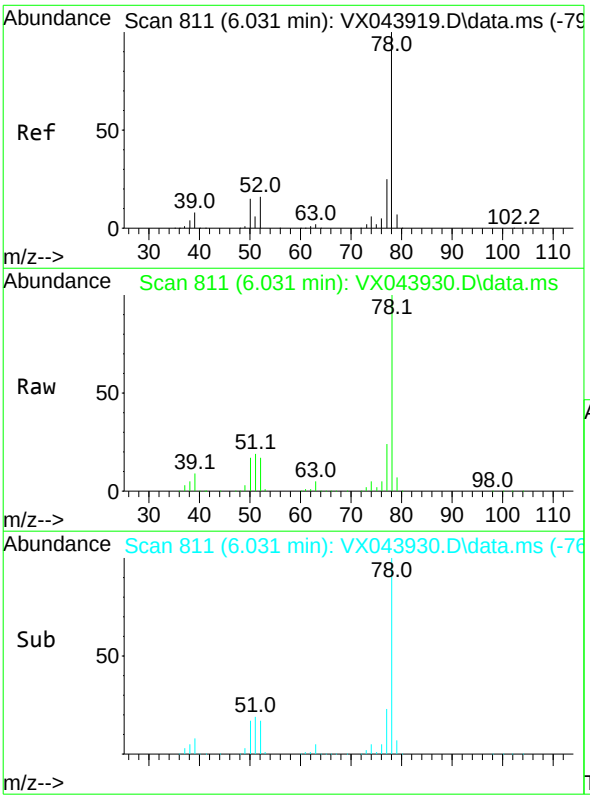
Ion	Ratio	Lower	Upper
83	100		
55	76.4	57.9	86.9
98	48.3	40.5	60.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

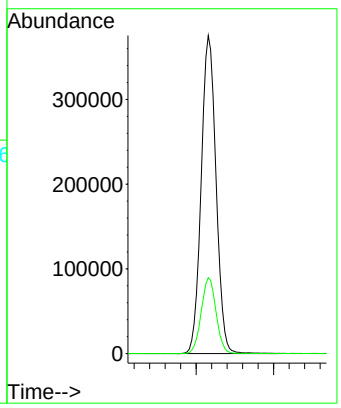
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

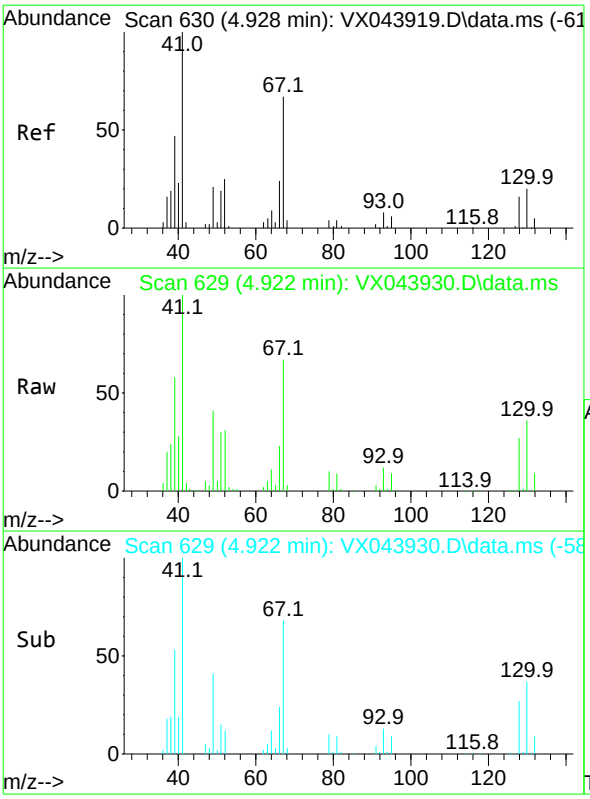


#40
Benzene
Concen: 159.808 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 78 Resp: 999210

Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.8	29.8

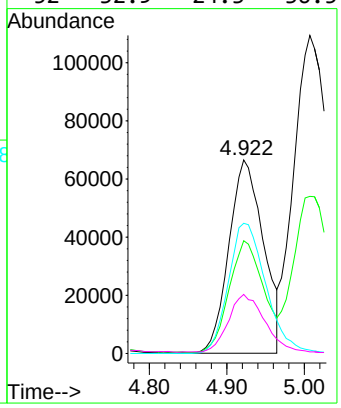




#41
Methacrylonitrile
Concen: 176.637 ug/l
RT: 4.922 min Scan# 62
Delta R.T. -0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 41 Resp: 206026

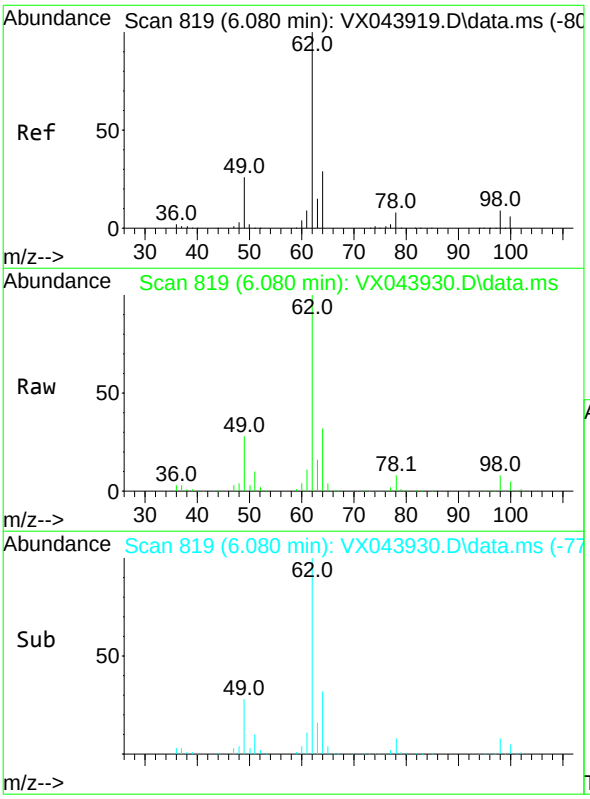
Ion	Ratio	Lower	Upper
41	100		
39	57.7	41.2	61.8
67	73.5	60.3	90.5
52	32.9	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

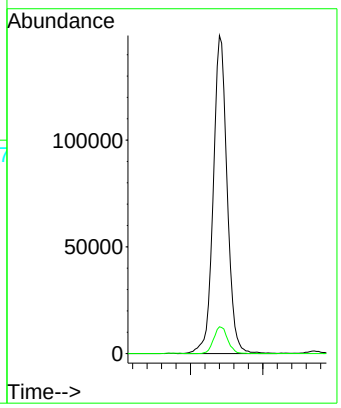
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

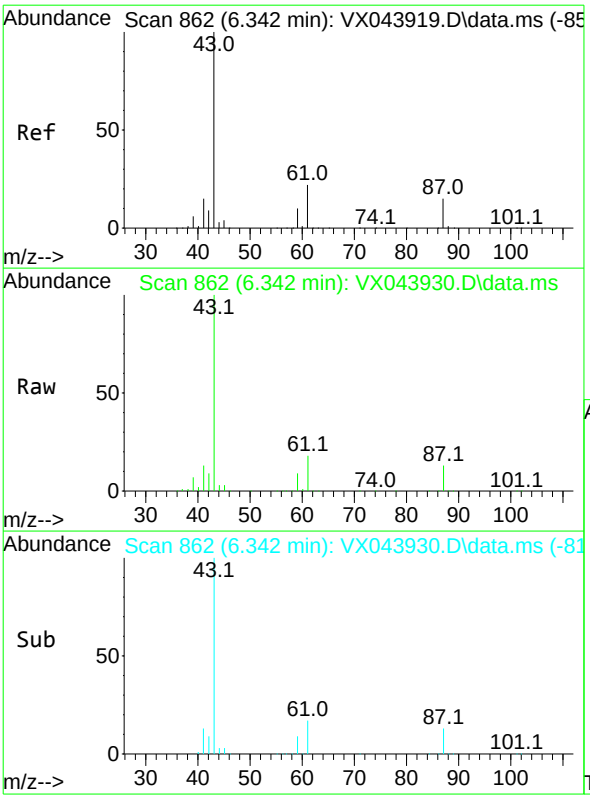


#42
1,2-Dichloroethane
Concen: 175.089 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 62 Resp: 397508

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	18.6

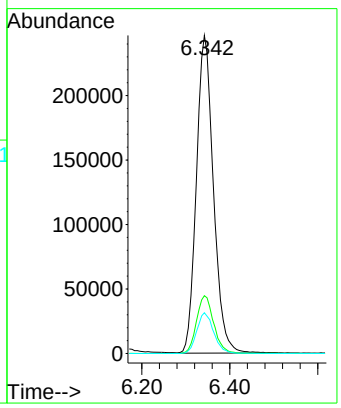




#43
Isopropyl Acetate
Concen: 187.445 ug/l
RT: 6.342 min Scan# 86
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 43 Resp: 661839

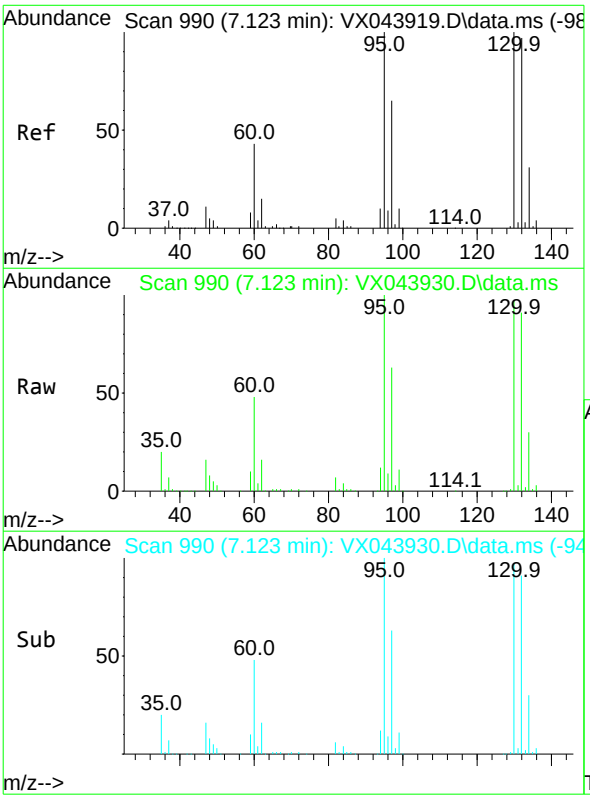
Ion	Ratio	Lower	Upper
43	100		
61	18.4	16.9	25.3
87	12.7	11.9	17.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

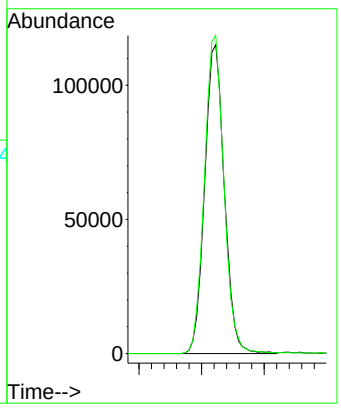
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

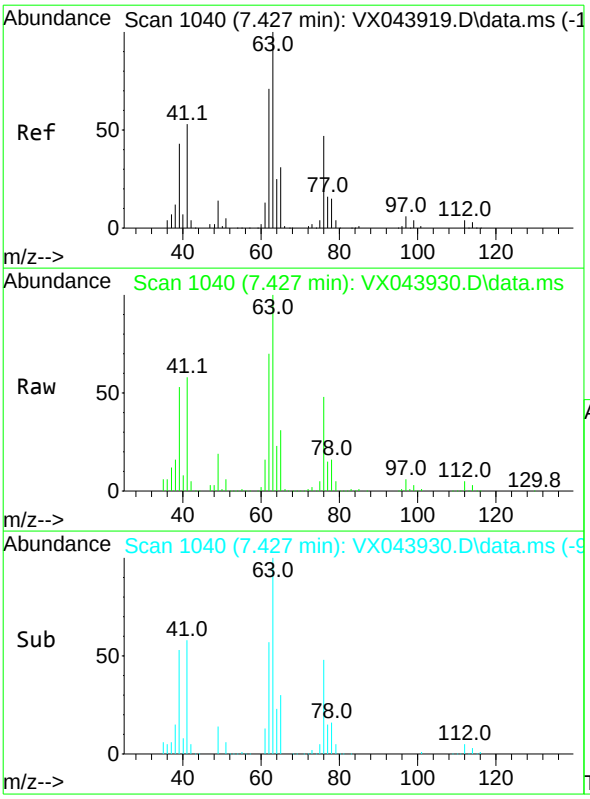


#44
Trichloroethene
Concen: 145.657 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:130 Resp: 251071

Ion	Ratio	Lower	Upper
130	100		
95	103.0	0.0	200.8

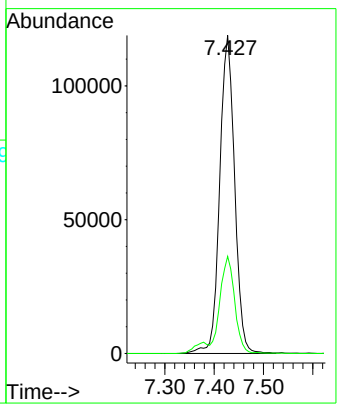




#45
1,2-Dichloropropane
Concen: 162.744 ug/l
RT: 7.427 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 63 Resp: 249394

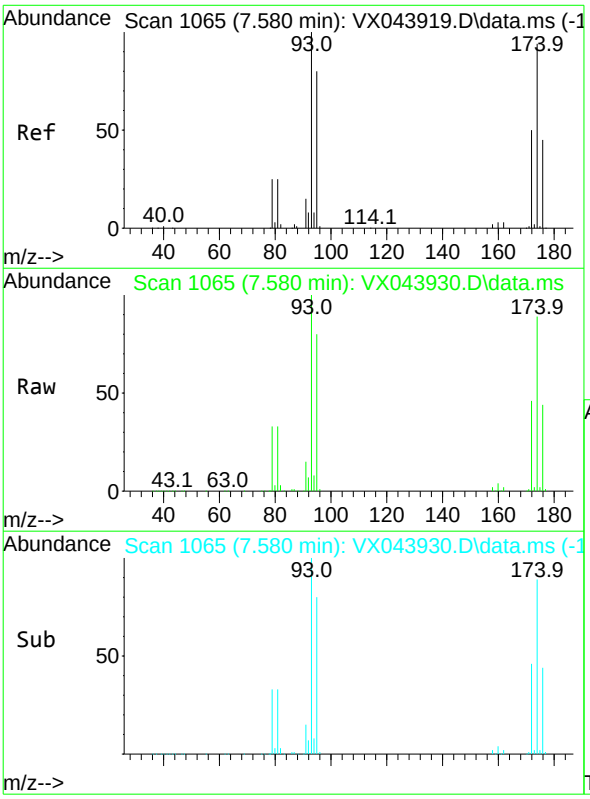
Ion	Ratio	Lower	Upper
63	100		
65	30.5	24.5	36.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

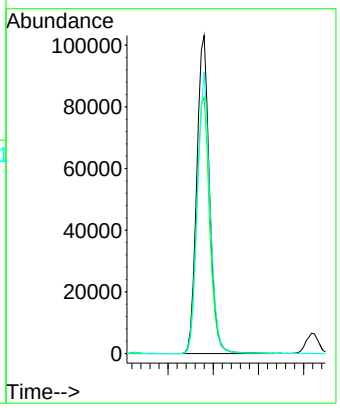
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

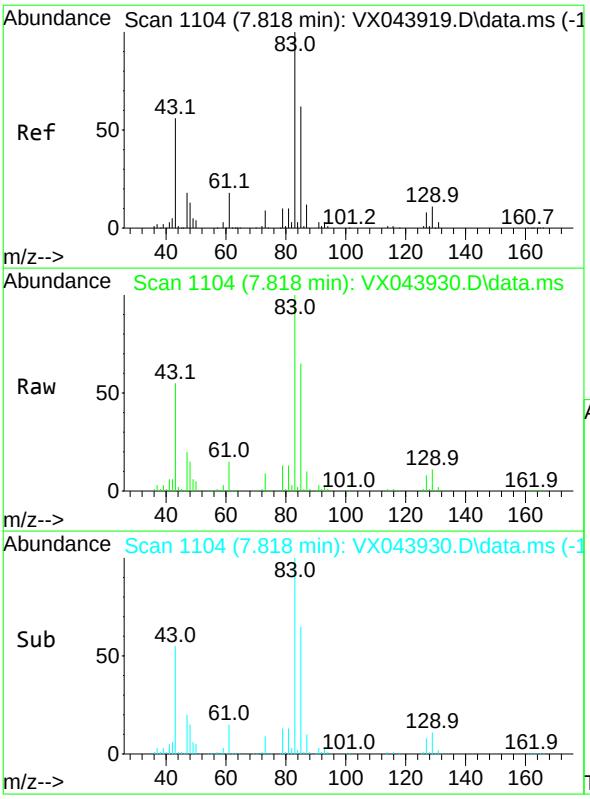


#46
Dibromomethane
Concen: 175.212 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

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

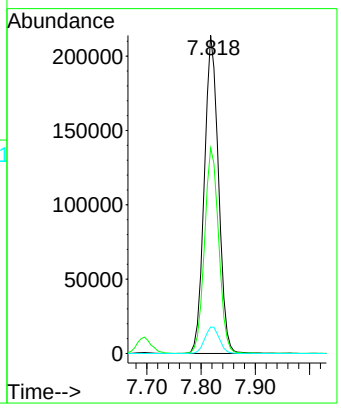




#47
Bromodichloromethane
Concen: 191.362 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 83 Resp: 388259

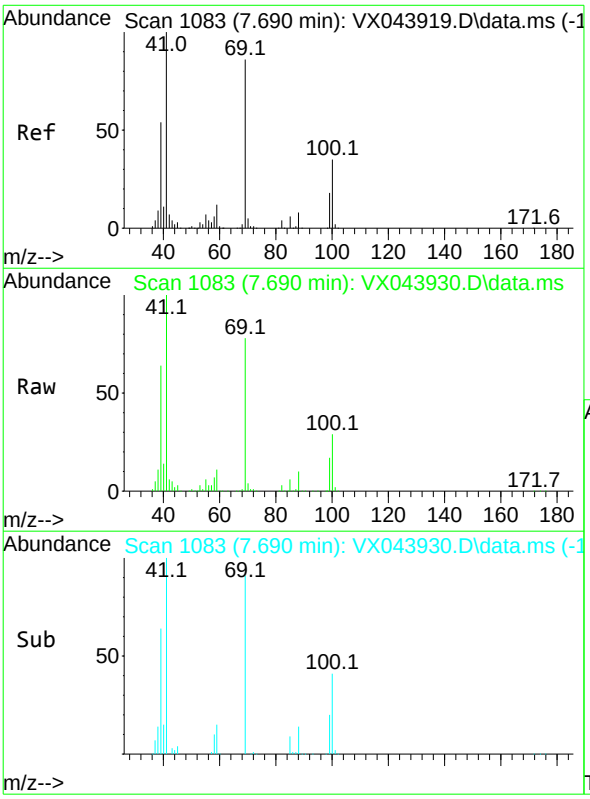
Ion	Ratio	Lower	Upper
83	100		
85	64.6	49.4	74.0
127	8.3	6.2	9.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

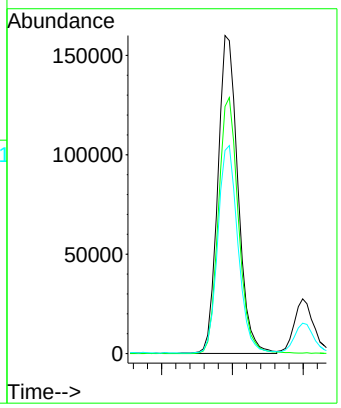
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

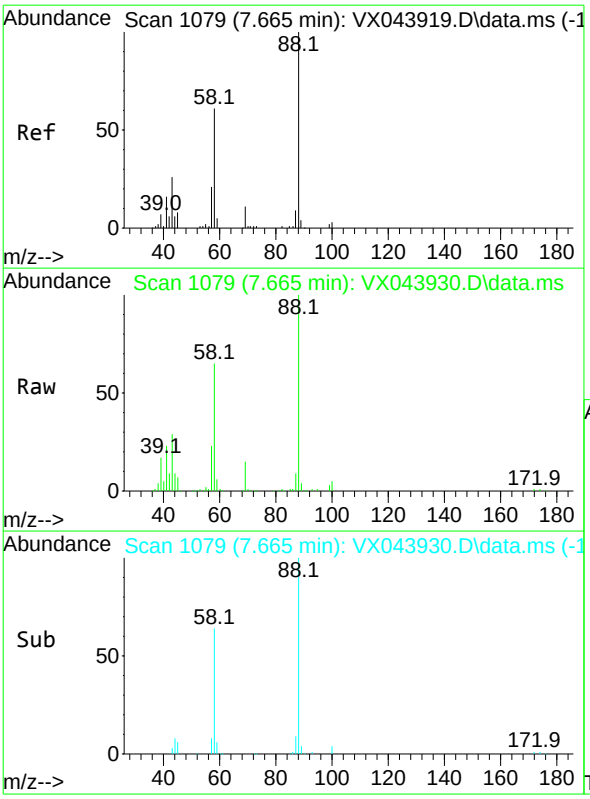


#48
Methyl methacrylate
Concen: 180.493 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

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

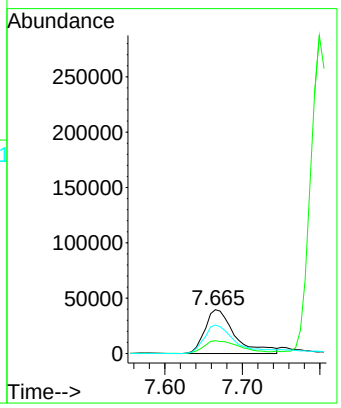
Tgt Ion: 88 Resp: 106634

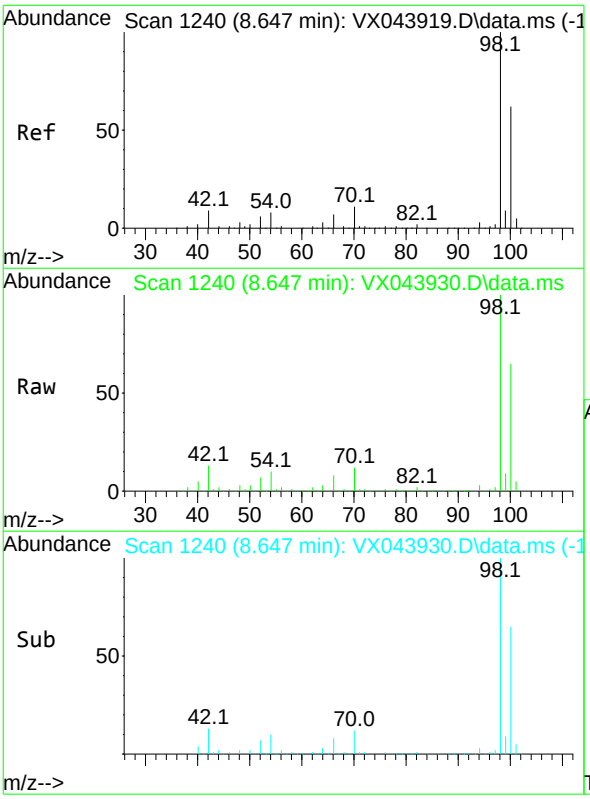
Ion	Ratio	Lower	Upper
88	100		
43	35.6	17.4	26.0#
58	66.2	41.0	61.6#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

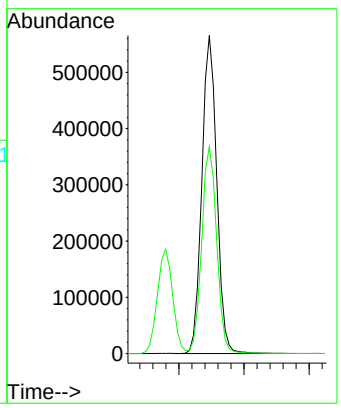


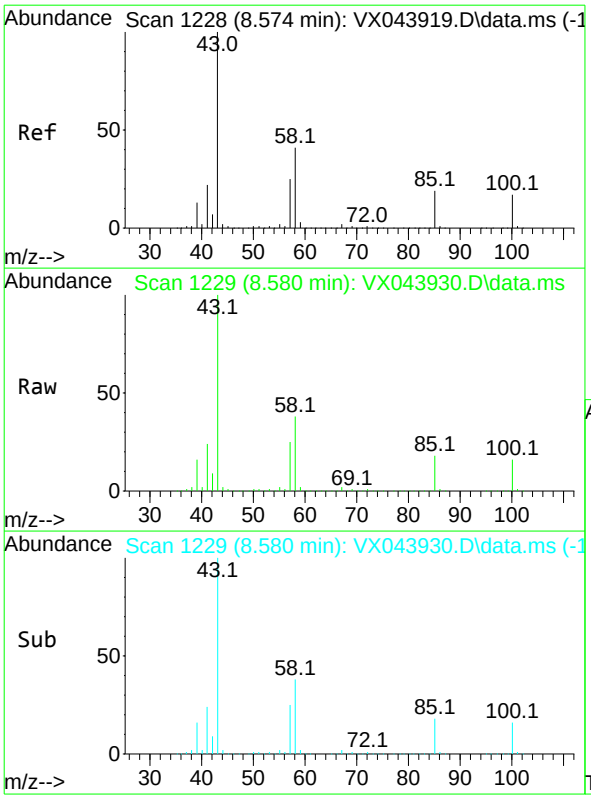


#50
Toluene-d8
Concen: 168.154 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 98 Resp: 896413

Ion	Ratio	Lower	Upper
98	100		
100	65.7	53.0	79.6

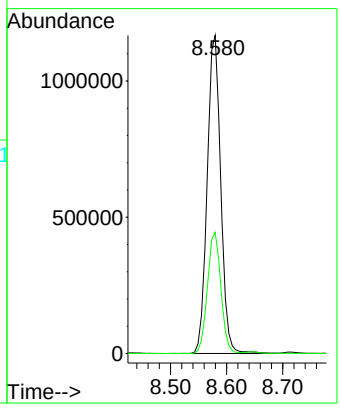




#51
4-Methyl-2-Pentanone
Concen: 887.971 ug/l
RT: 8.580 min Scan# 12
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 43 Resp: 1954925

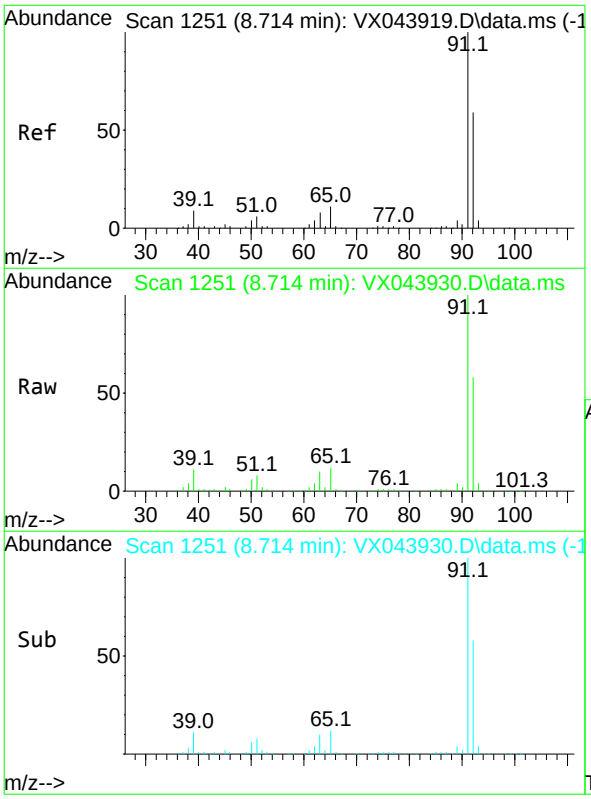
Ion	Ratio	Lower	Upper
43	100		
58	37.8	32.4	48.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

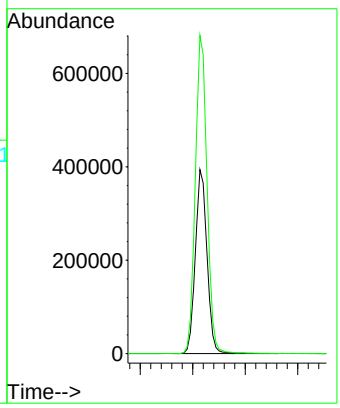
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

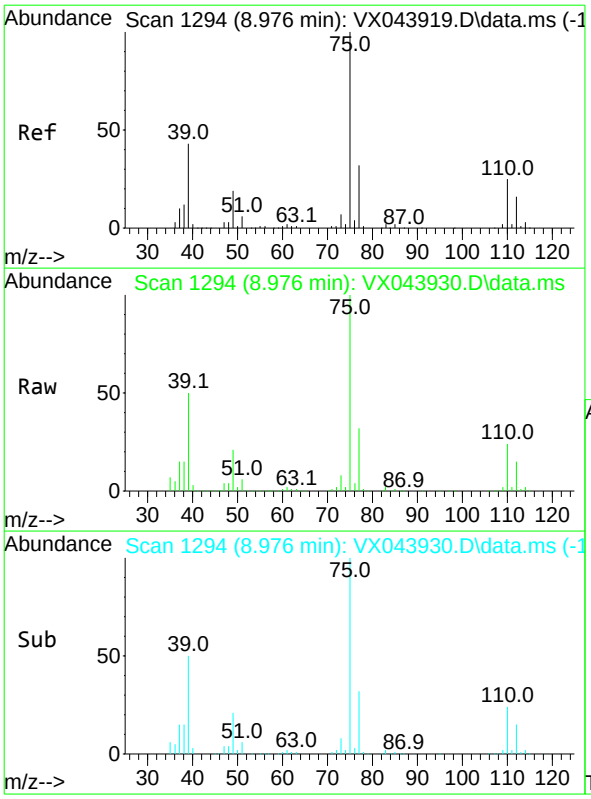


#52
Toluene
Concen: 168.323 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 92 Resp: 607179

Ion	Ratio	Lower	Upper
92	100		
91	173.9	136.2	204.4

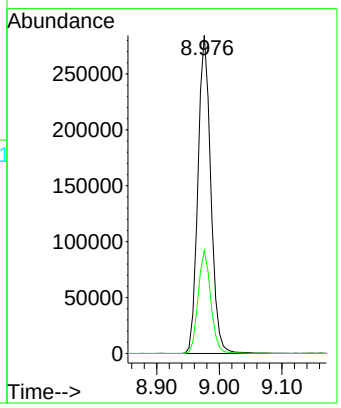




#53
t-1,3-Dichloropropene
Concen: 197.387 ug/l
RT: 8.976 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 75 Resp: 406346

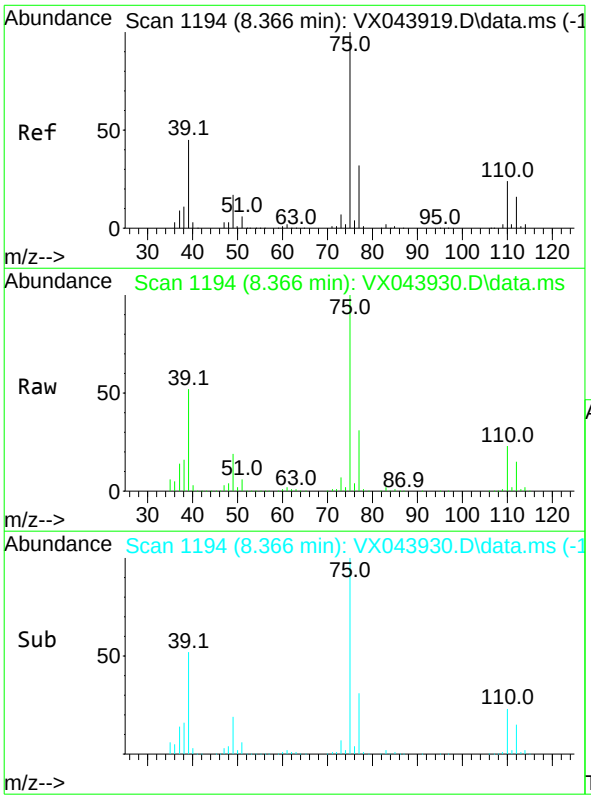
Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

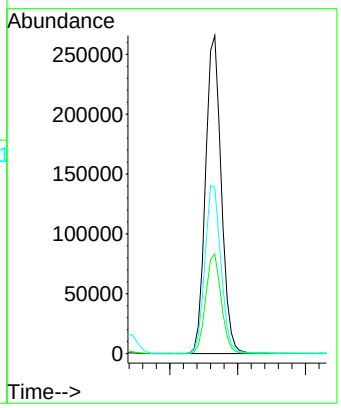
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

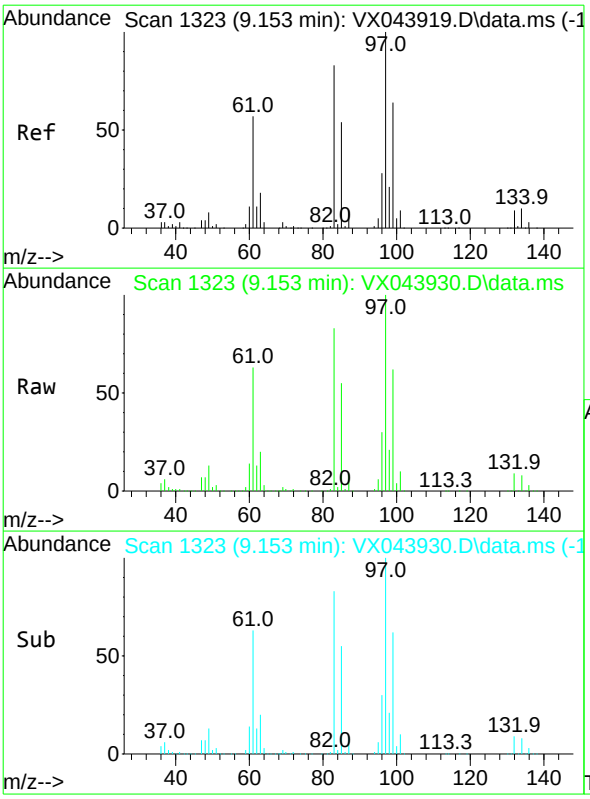


#54
cis-1,3-Dichloropropene
Concen: 183.704 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

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

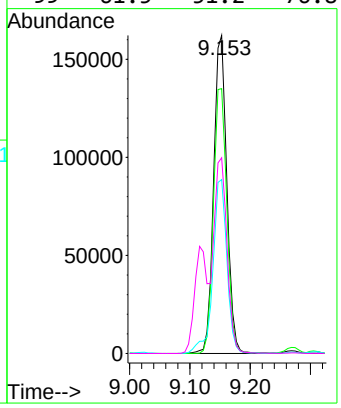




#55
1,1,2-Trichloroethane
Concen: 174.579 ug/l
RT: 9.153 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 97 Resp: 245706

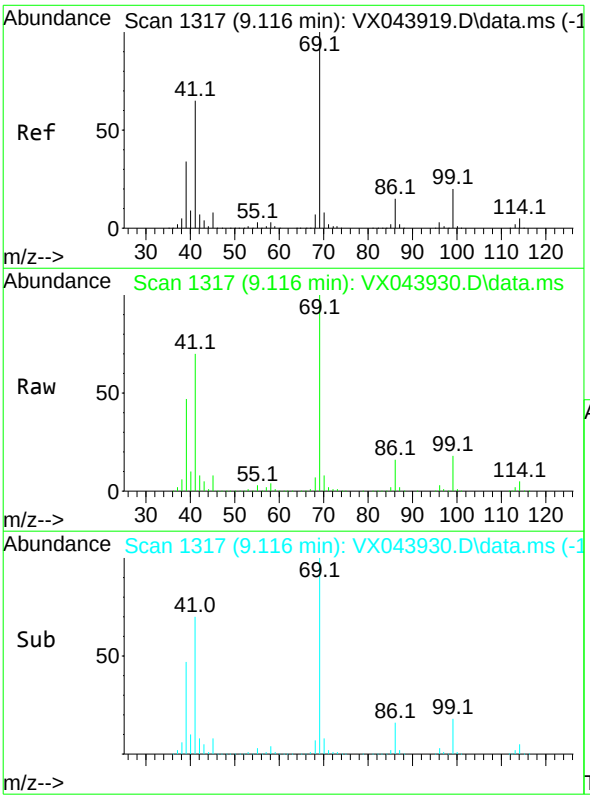
Ion	Ratio	Lower	Upper
97	100		
83	83.3	66.5	99.7
85	54.7	43.4	65.2
99	61.5	51.2	76.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

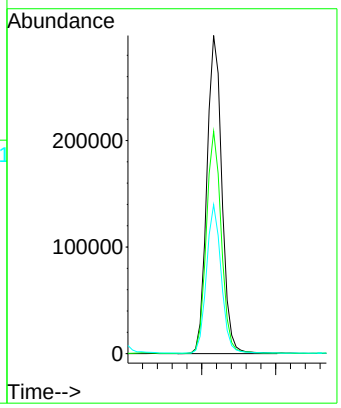
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

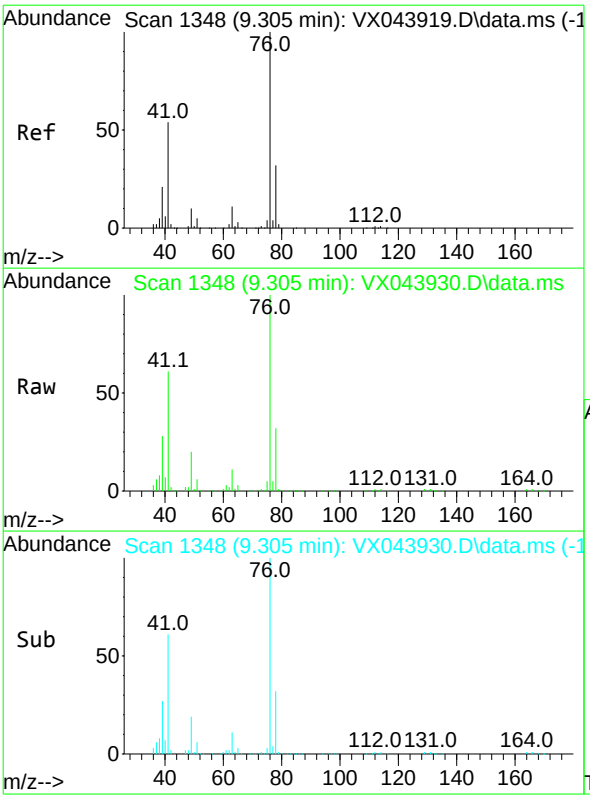


#56
Ethyl methacrylate
Concen: 188.658 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

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#

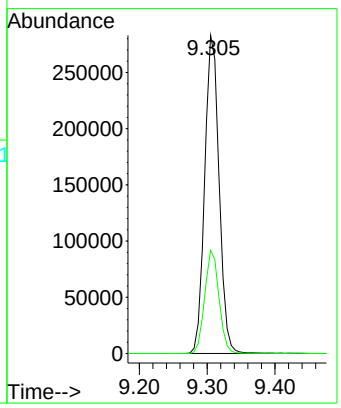




#57
1,3-Dichloropropane
Concen: 176.770 ug/l
RT: 9.305 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 76 Resp: 416811

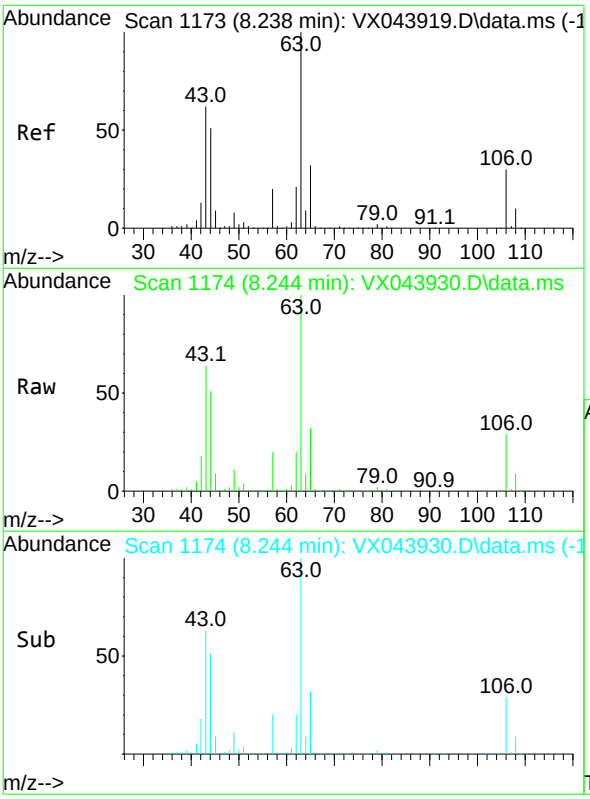
Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

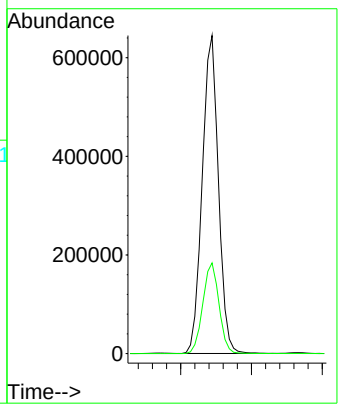
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

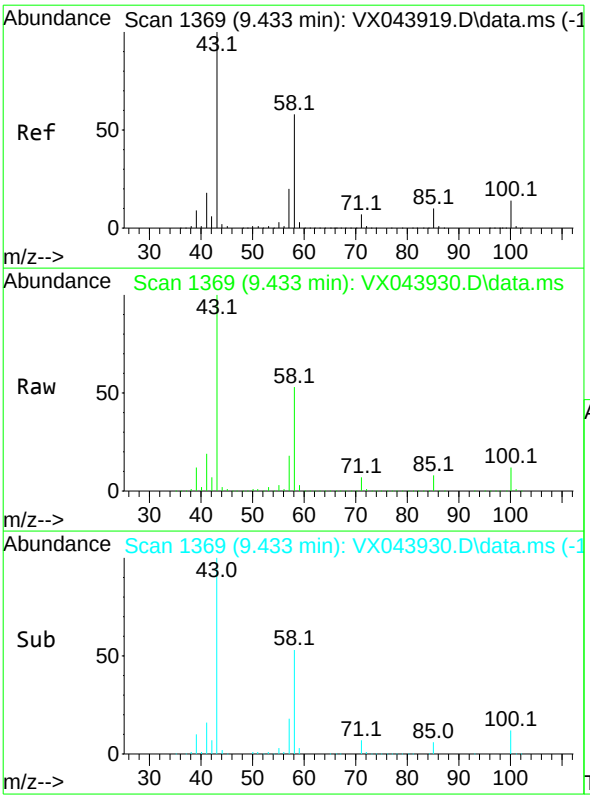


#58
2-Chloroethyl Vinyl ether
Concen: 875.887 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 63 Resp: 1023576

Ion	Ratio	Lower	Upper
63	100		
106	28.5	23.8	35.6

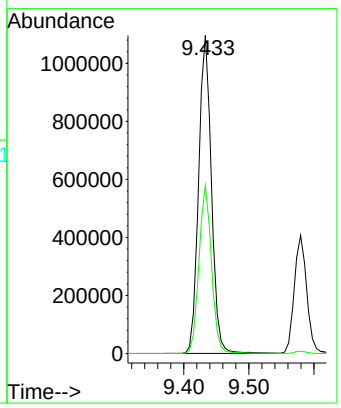




#59
2-Hexanone
Concen: 961.650 ug/l
RT: 9.433 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 43 Resp: 1493755

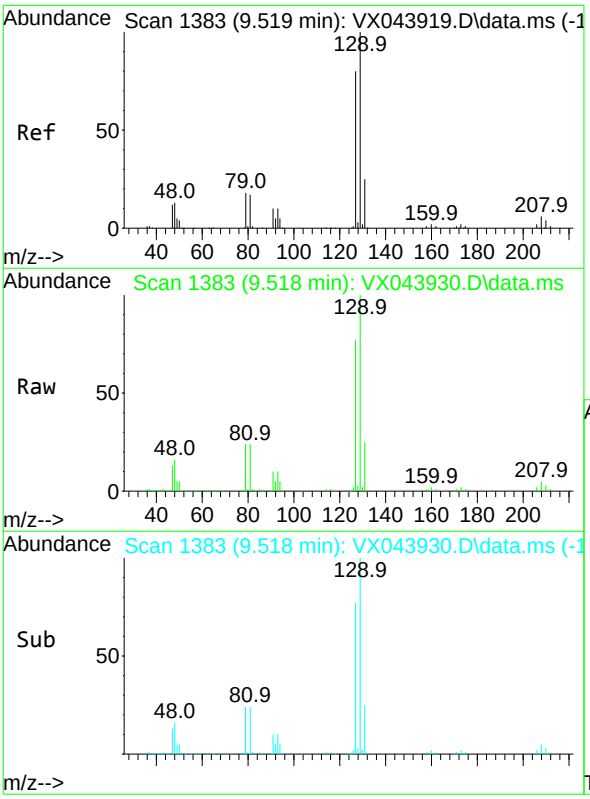
Ion	Ratio	Lower	Upper
43	100		
58	52.1	28.3	84.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

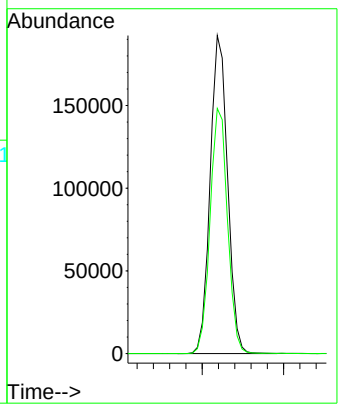
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

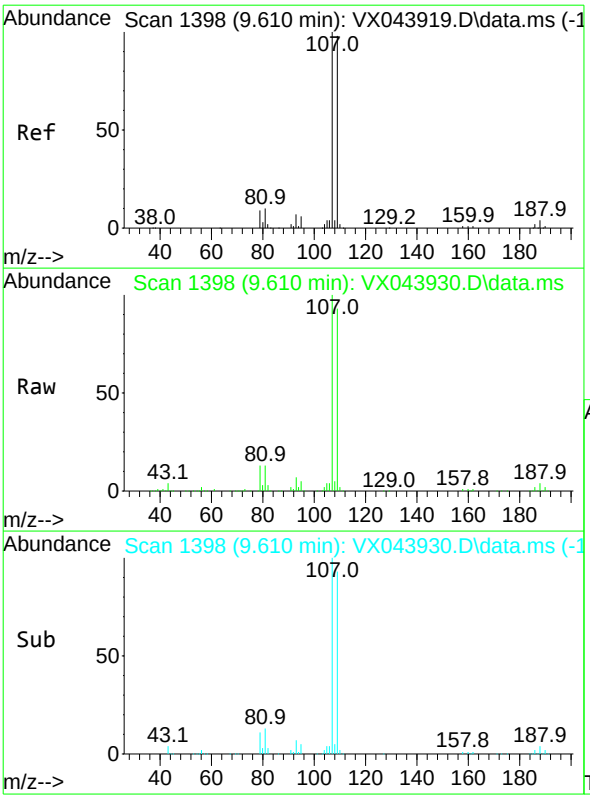


#60
Dibromochloromethane
Concen: 208.679 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:129 Resp: 286188

Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.6	115.8

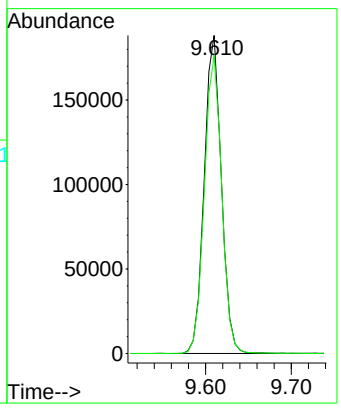




#61
1,2-Dibromoethane
Concen: 178.035 ug/l
RT: 9.610 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:107 Resp: 261369

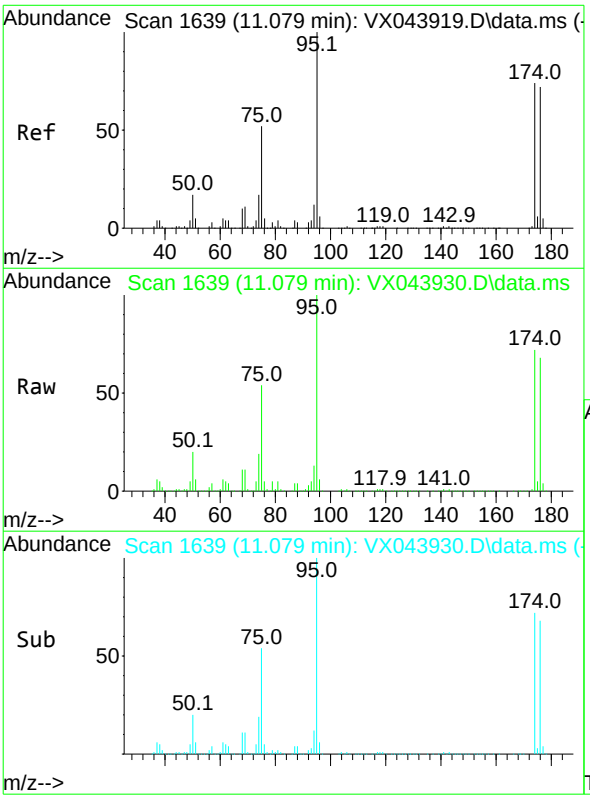
Ion	Ratio	Lower	Upper
107	100		
109	95.1	76.2	114.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

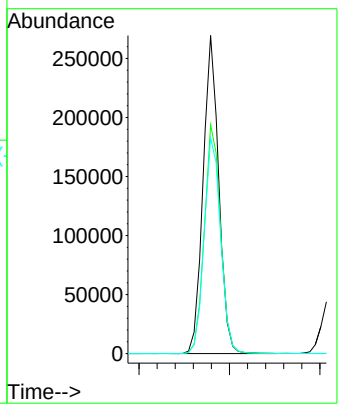
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

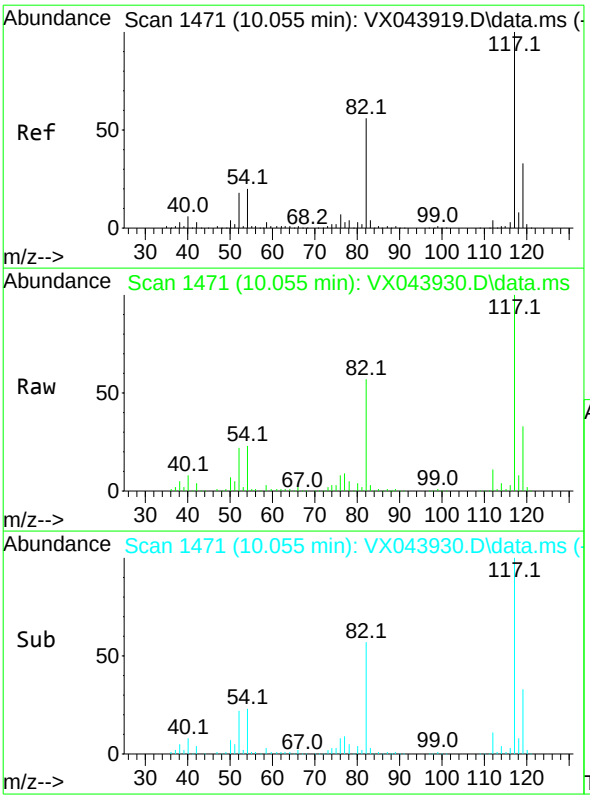


#62
4-Bromofluorobenzene
Concen: 184.279 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

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

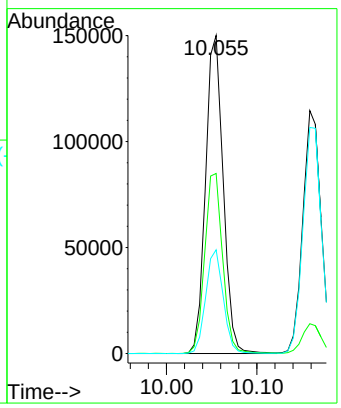
Tgt Ion:117 Resp: 203280

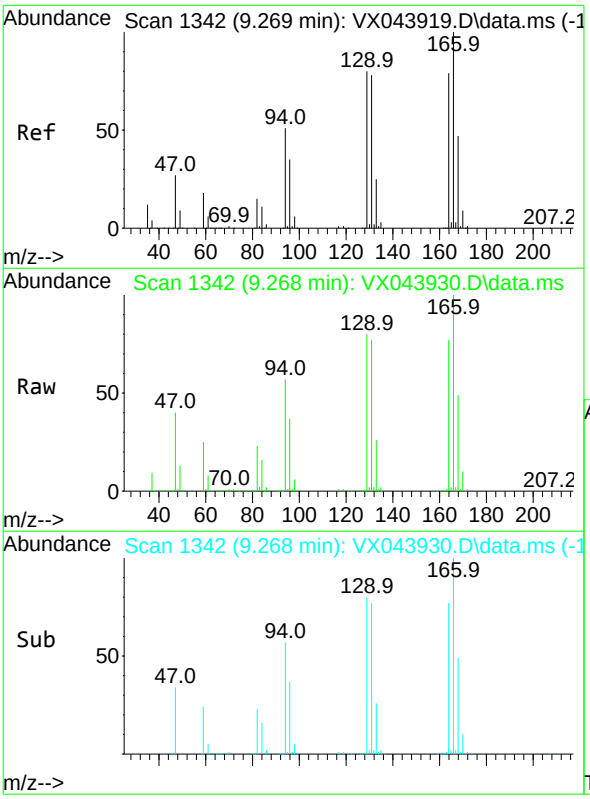
Ion	Ratio	Lower	Upper
117	100		
82	56.6	44.6	67.0
119	32.6	26.5	39.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

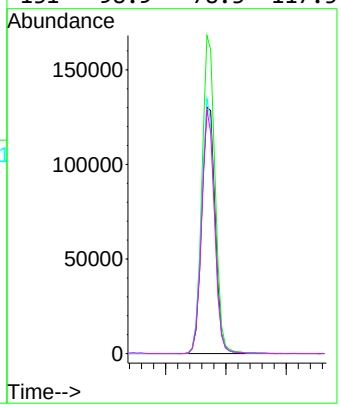


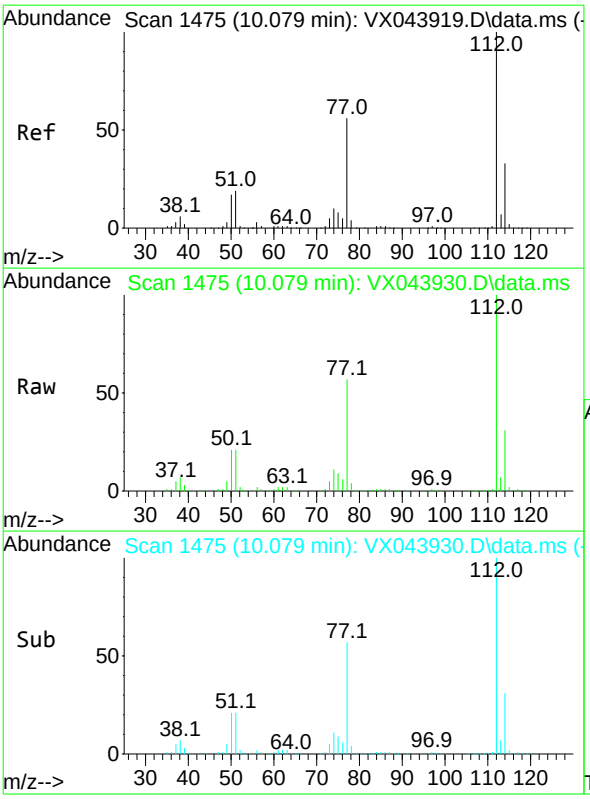


#64
Tetrachloroethene
Concen: 155.122 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

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

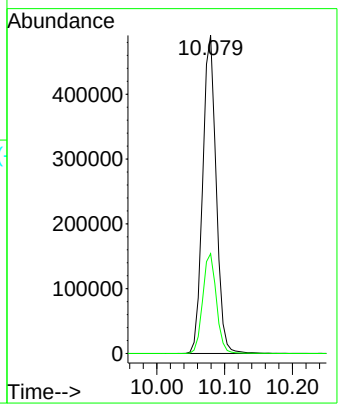




#65
Chlorobenzene
Concen: 159.085 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:112 Resp: 675513

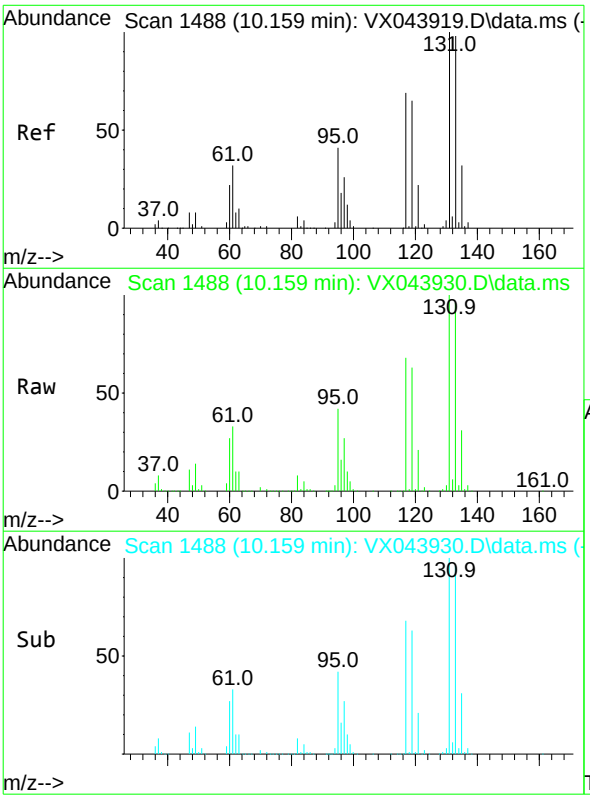
Ion	Ratio	Lower	Upper
112	100		
114	31.4	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

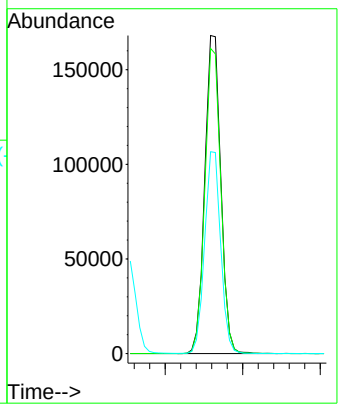
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

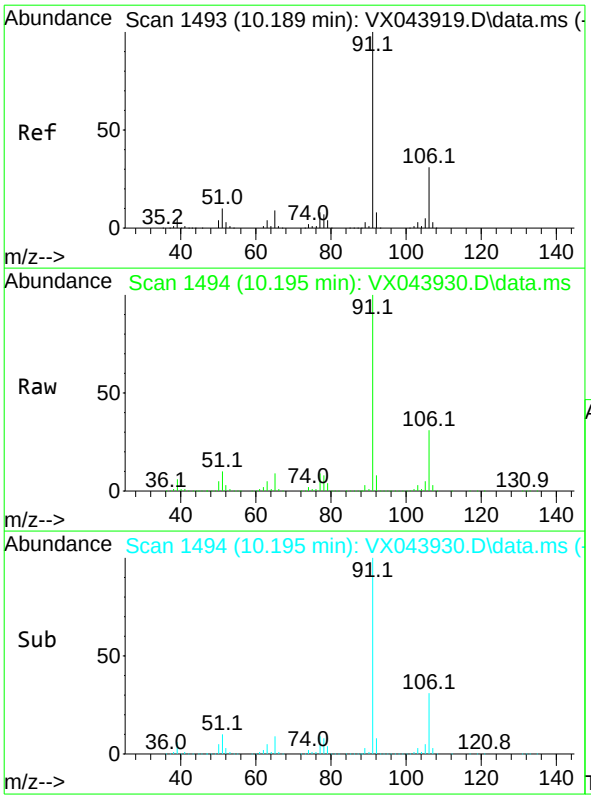


#66
1,1,1,2-Tetrachloroethane
Concen: 170.964 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

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

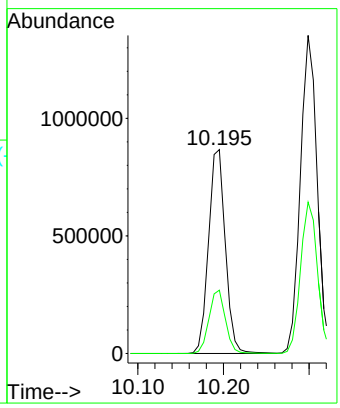




#67
Ethyl Benzene
Concen: 165.365 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 91 Resp: 1181693

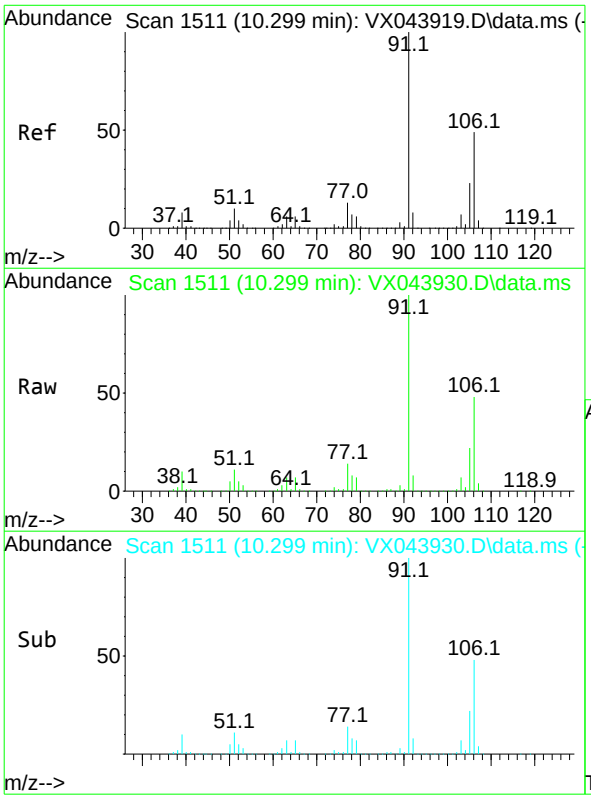
Ion	Ratio	Lower	Upper
91	100		
106	31.1	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

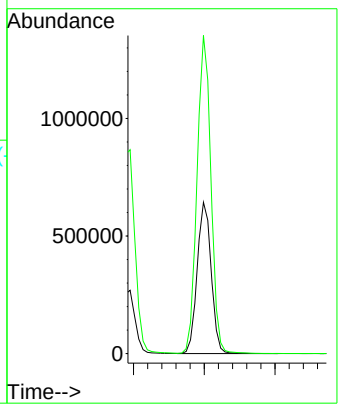
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

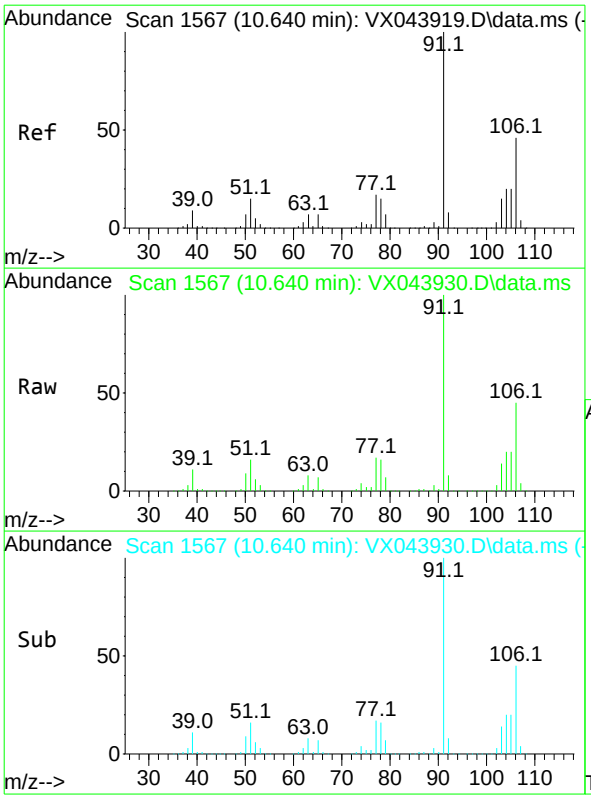


#68
m/p-Xylenes
Concen: 332.148 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:106 Resp: 884067

Ion	Ratio	Lower	Upper
106	100		
91	208.6	163.3	244.9

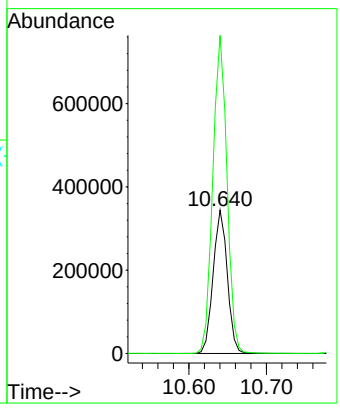




#69
o-Xylene
Concen: 168.240 ug/l
RT: 10.640 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:106 Resp: 436919

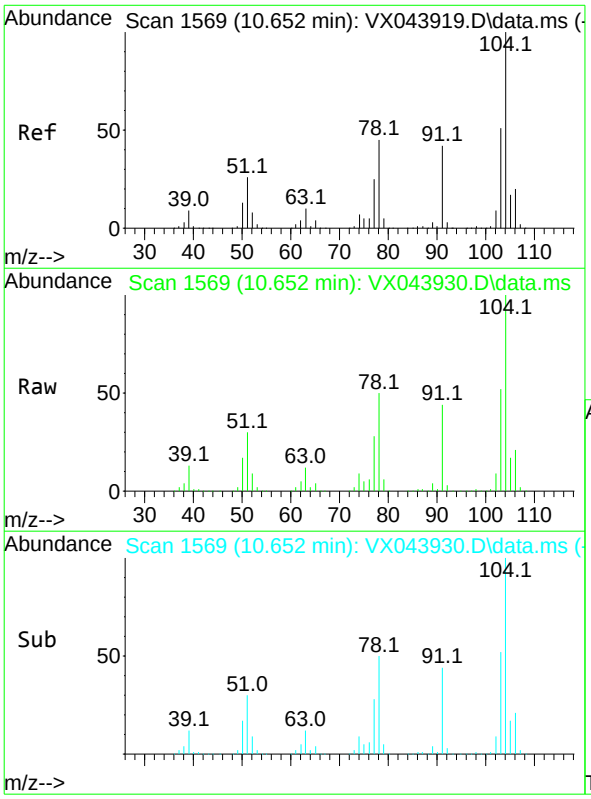
Ion	Ratio	Lower	Upper
106	100		
91	222.3	109.6	328.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

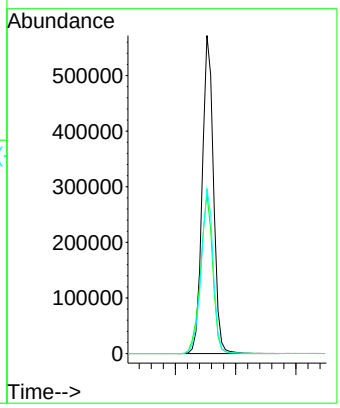
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

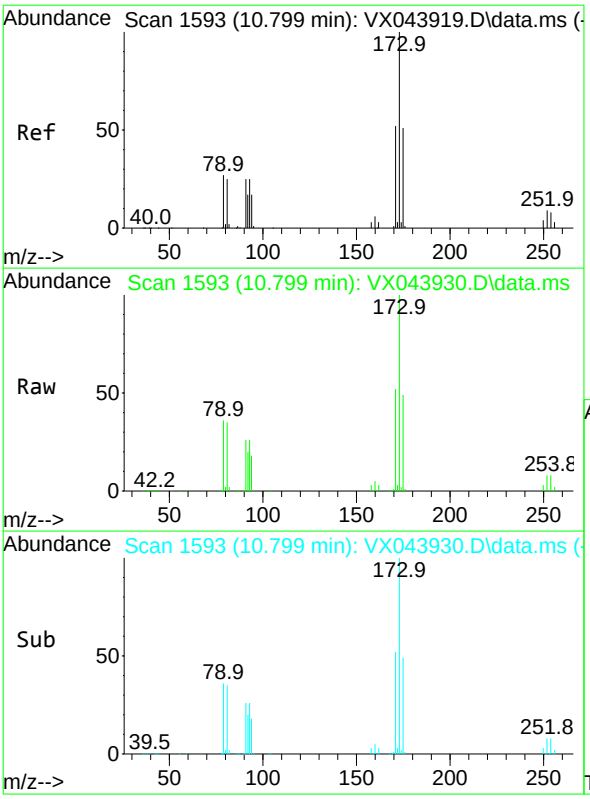


#70
Styrene
Concen: 173.379 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

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

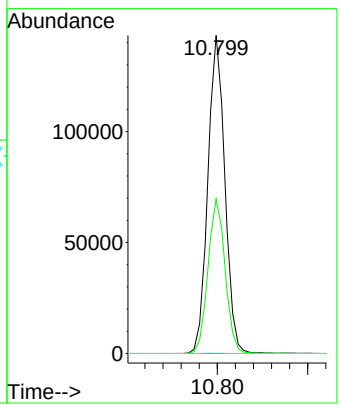
Tgt Ion:173 Resp: 186691

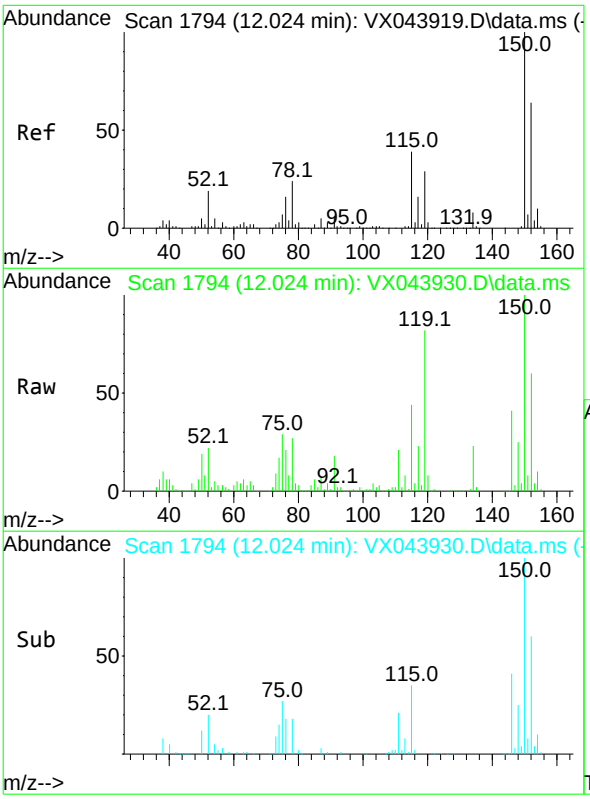
Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.6	73.8
254	0.1	0.1	0.1#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

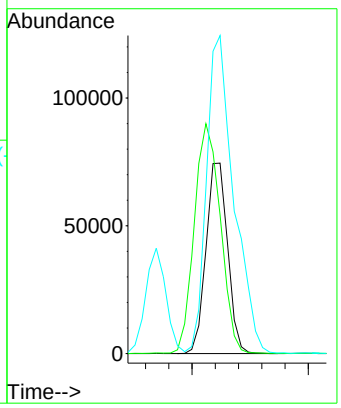


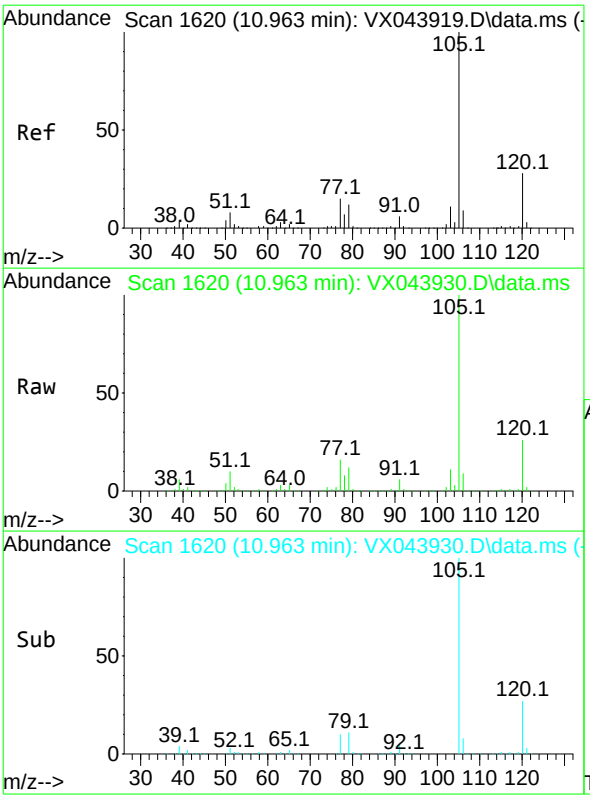


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

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

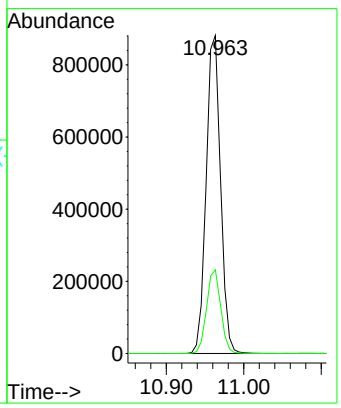




#73
Isopropylbenzene
Concen: 165.031 ug/l
RT: 10.963 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:105 Resp: 1135309

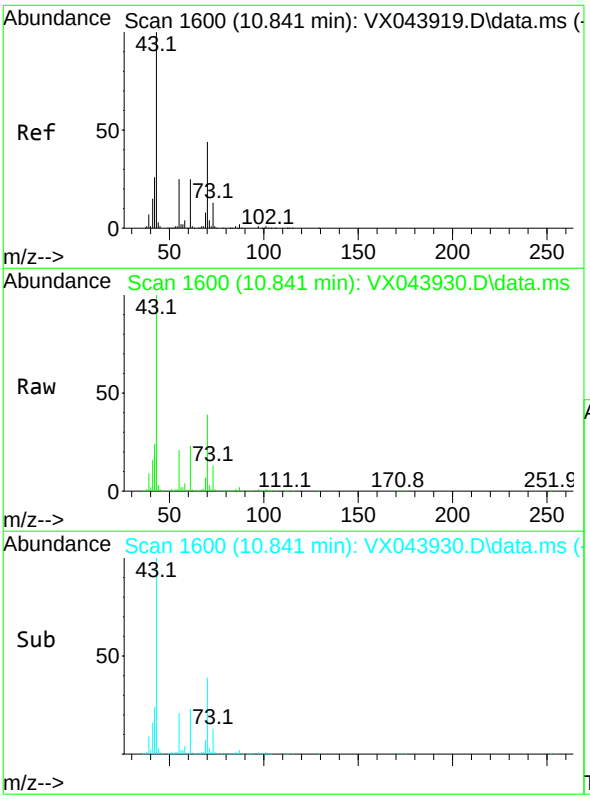
Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.3	39.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

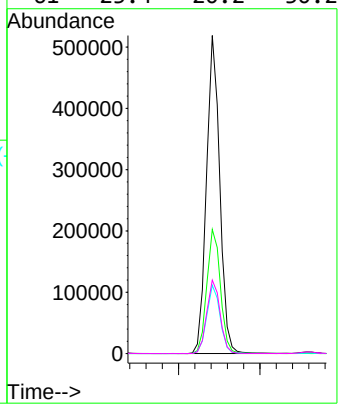
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

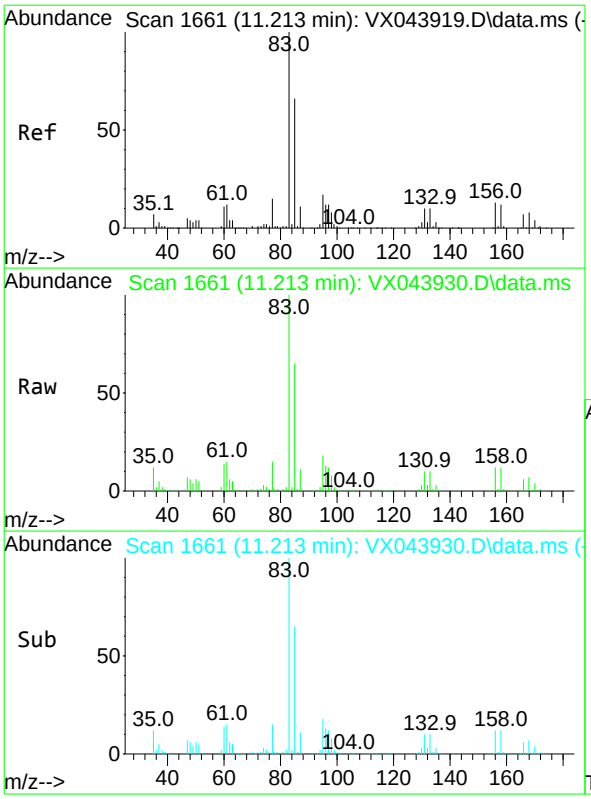


#74
N-amyl acetate
Concen: 159.995 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

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

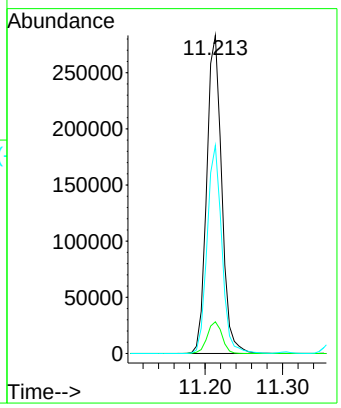
Tgt Ion: 83 Resp: 379947

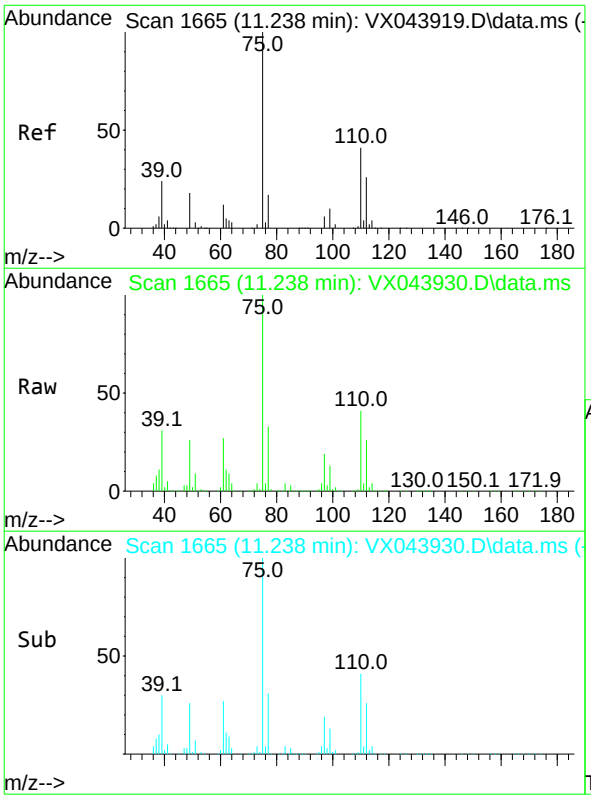
Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.1	15.3
85	64.1	32.3	96.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

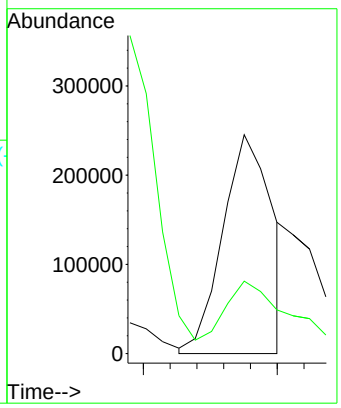


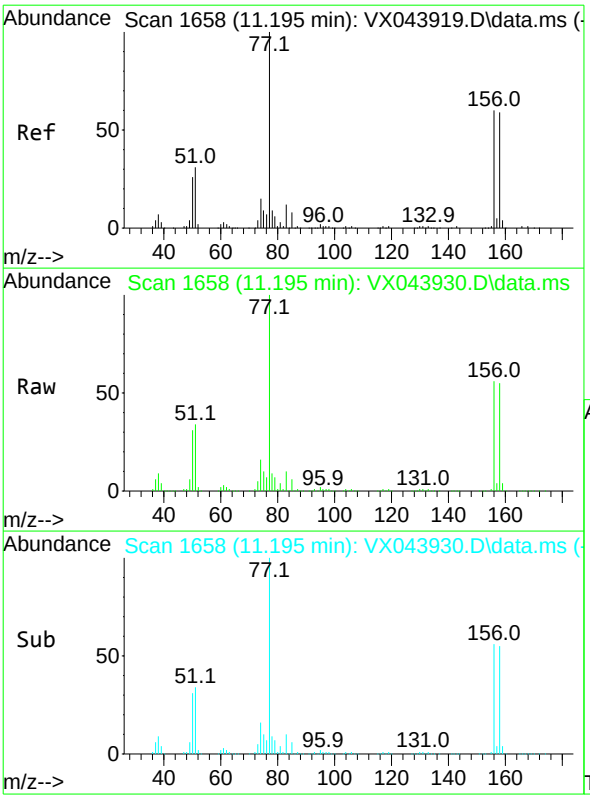


#76
1,2,3-Trichloropropane
Concen: 159.312 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

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

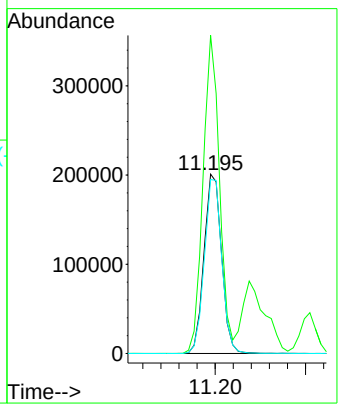
Tgt Ion:156 Resp: 270671

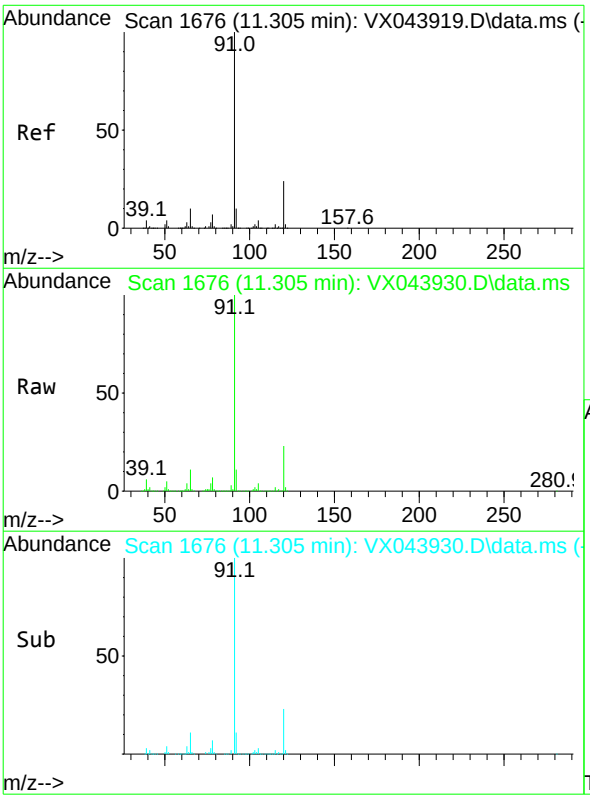
Ion	Ratio	Lower	Upper
156	100		
77	166.5	81.2	243.6
158	96.8	48.6	145.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

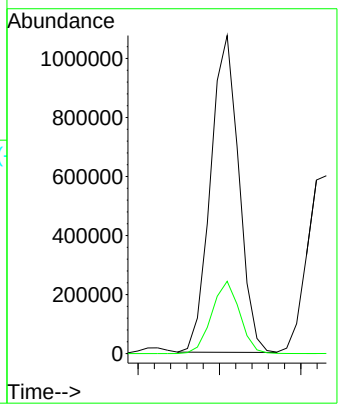


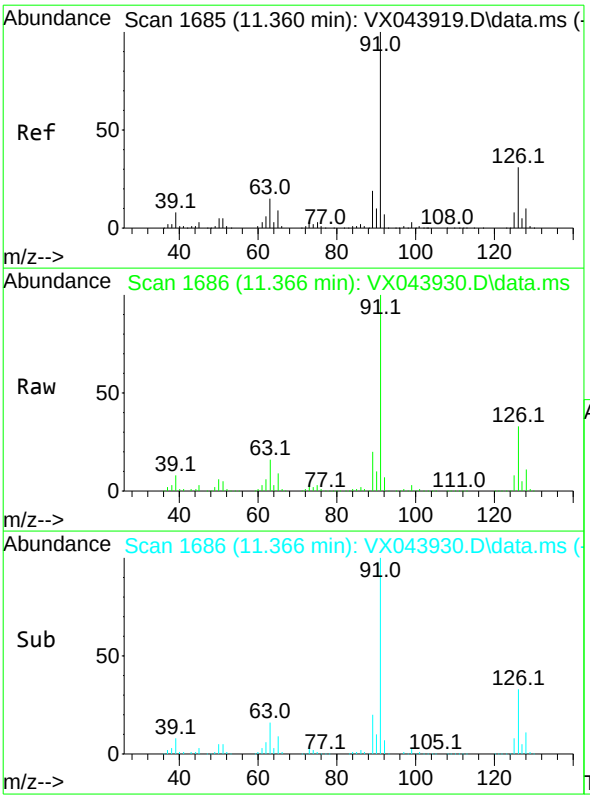


#78
n-propylbenzene
Concen: 170.866 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 91 Resp: 1296979

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.5	34.5

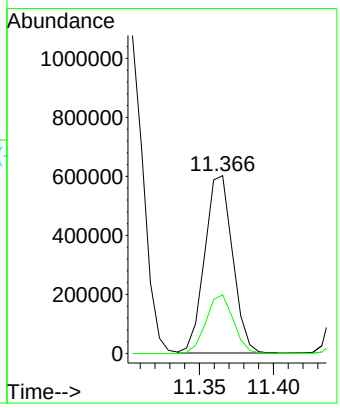




#79
2-Chlorotoluene
Concen: 163.185 ug/l
RT: 11.366 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 91 Resp: 788163

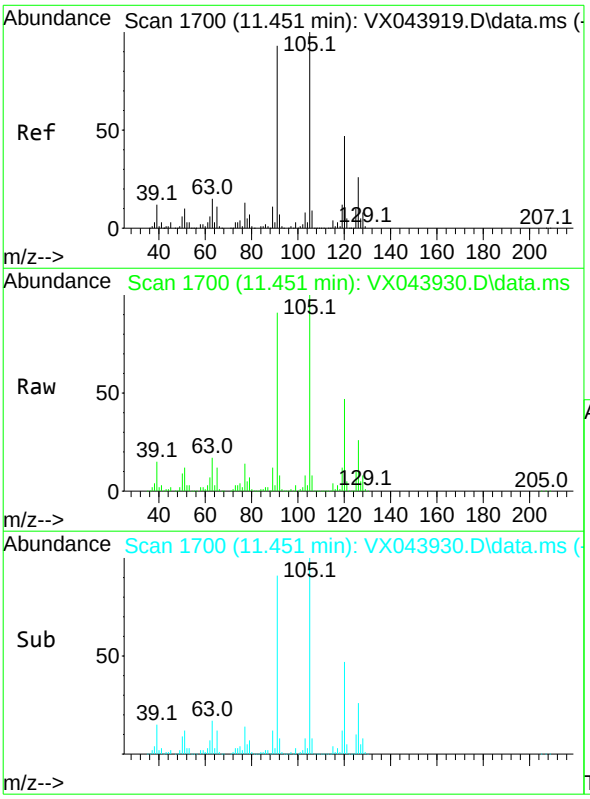
Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

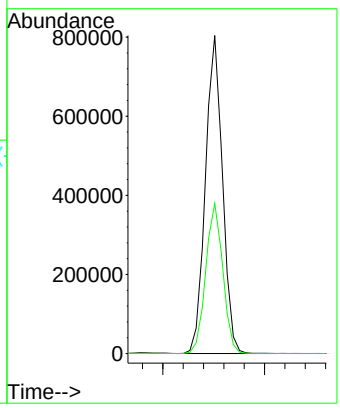
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

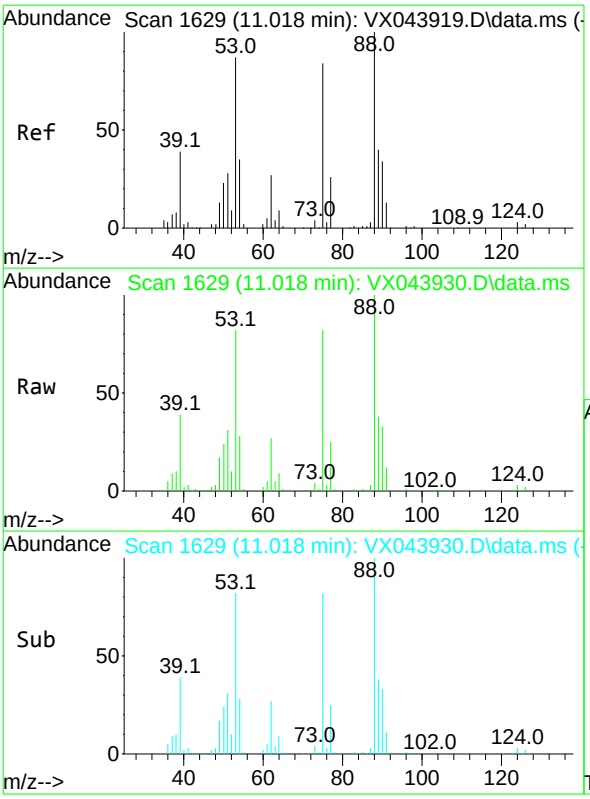


#80
1,3,5-Trimethylbenzene
Concen: 164.167 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

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

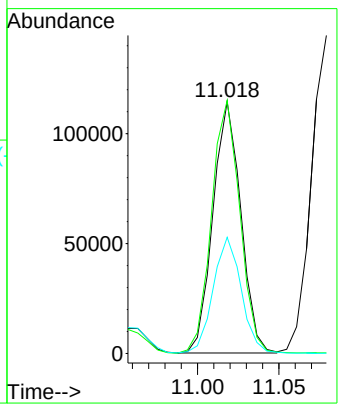
Tgt Ion: 75 Resp: 136104

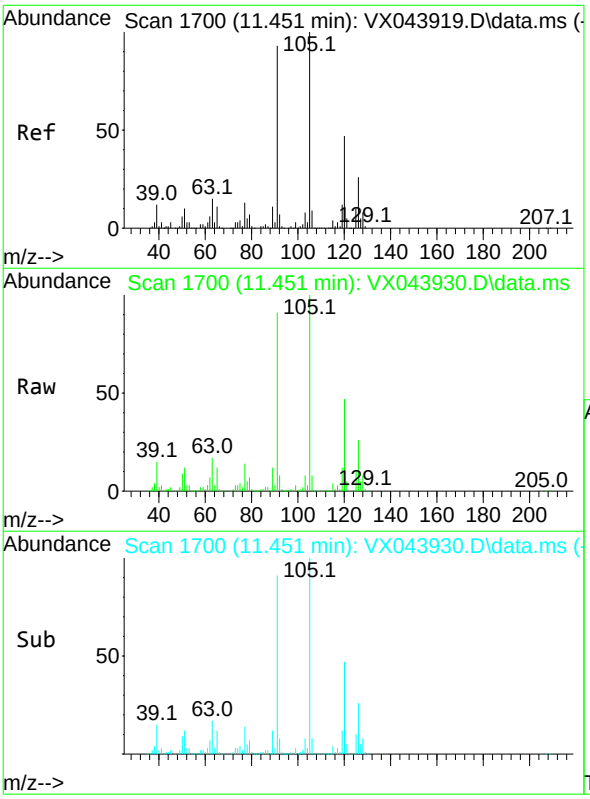
Ion	Ratio	Lower	Upper
75	100		
53	103.1	81.7	122.5
89	47.0	38.6	57.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

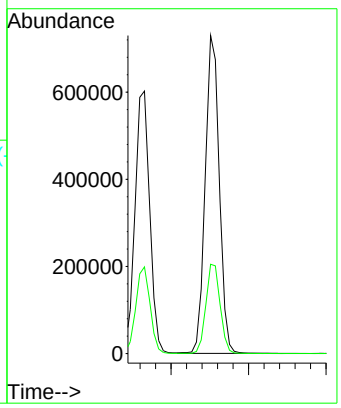


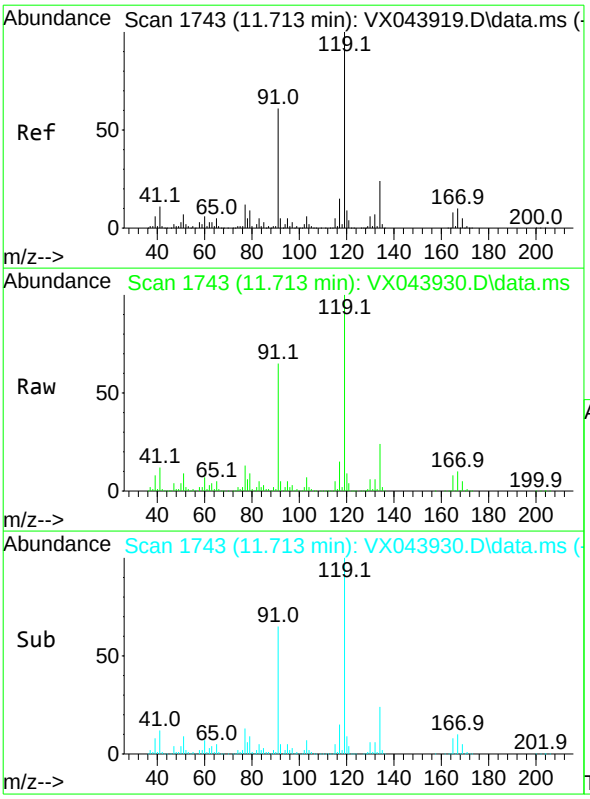


#82
4-Chlorotoluene
Concen: 165.319 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 91 Resp: 919566

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.4	43.2

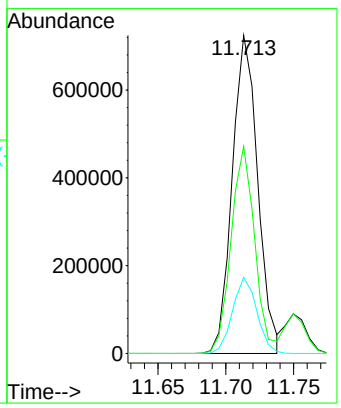




#83
tert-Butylbenzene
Concen: 162.017 ug/l
RT: 11.713 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:119 Resp: 945058

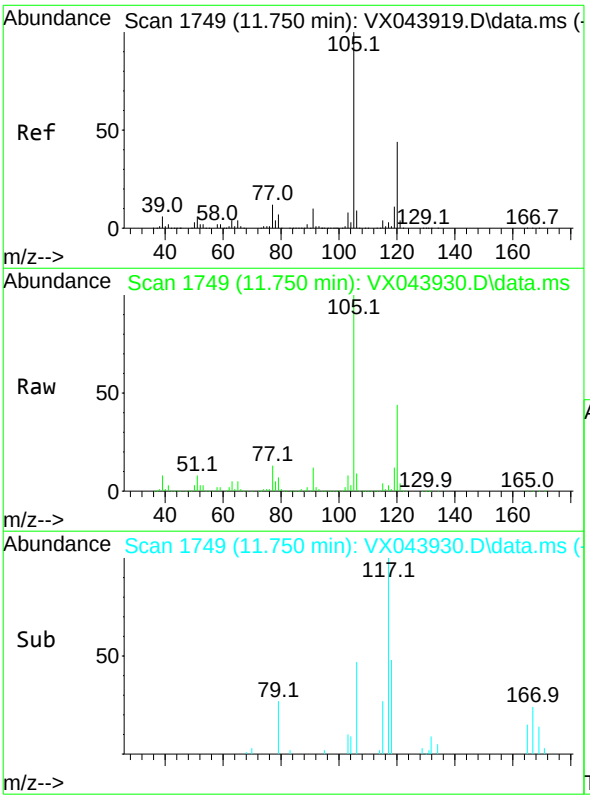
Ion	Ratio	Lower	Upper
119	100		
91	60.6	29.5	88.6
134	22.9	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

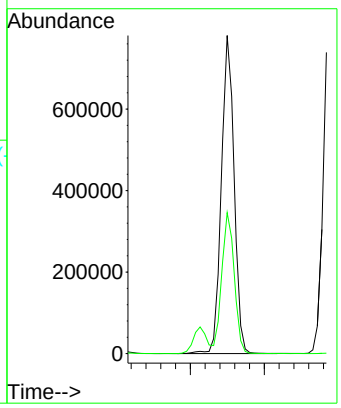
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

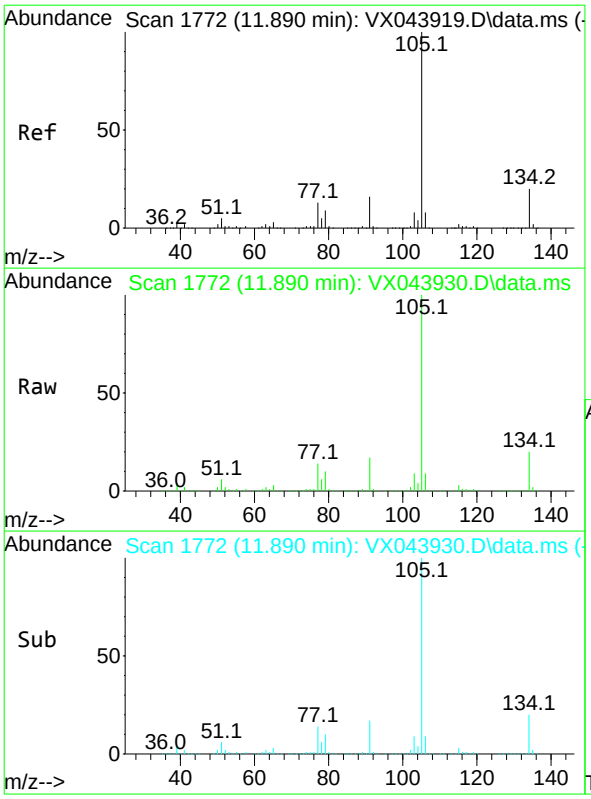


#84
1,2,4-Trimethylbenzene
Concen: 161.161 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:105 Resp: 933275

Ion	Ratio	Lower	Upper
105	100		
120	43.2	21.7	65.1

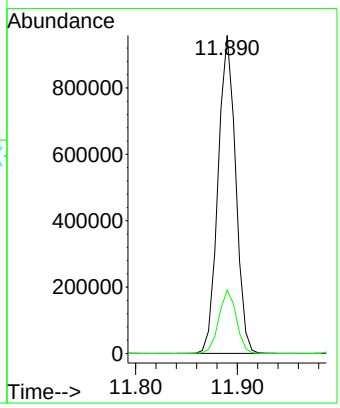




#85
sec-Butylbenzene
Concen: 164.934 ug/l
RT: 11.890 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:105 Resp: 1148877

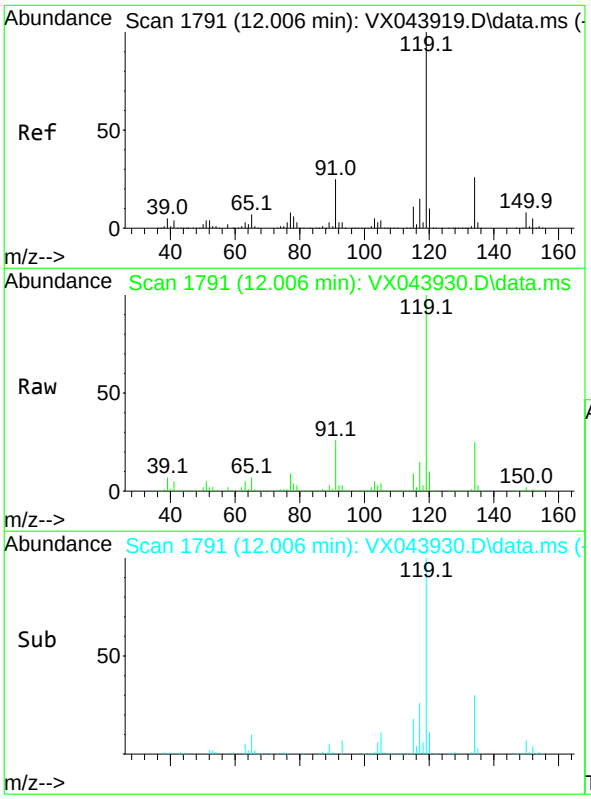
Ion	Ratio	Lower	Upper
105	100		
134	19.9	10.0	29.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

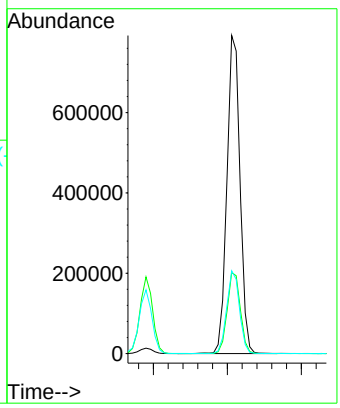
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

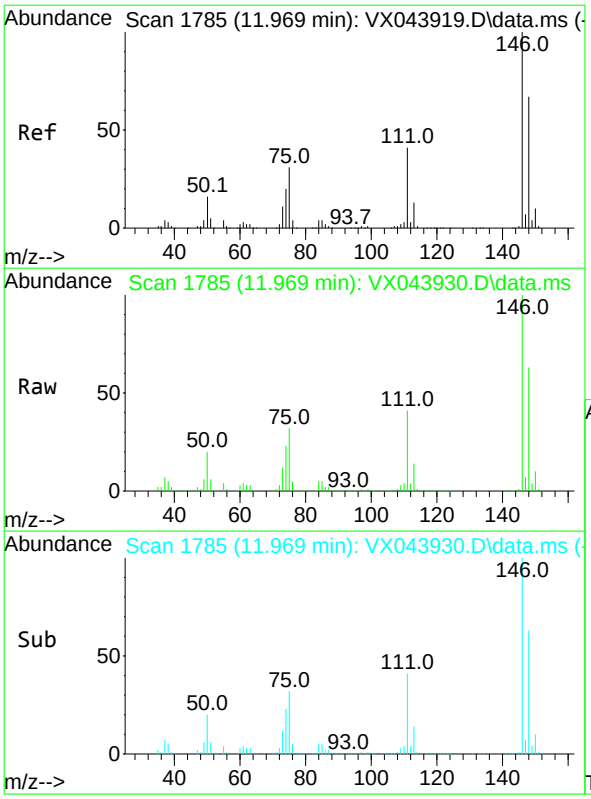


#86
p-Isopropyltoluene
Concen: 166.189 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

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

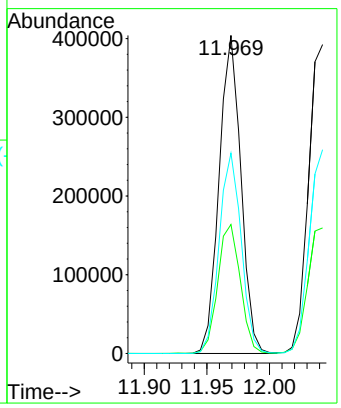




#87
1,3-Dichlorobenzene
Concen: 156.923 ug/l
RT: 11.969 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:146 Resp: 490336

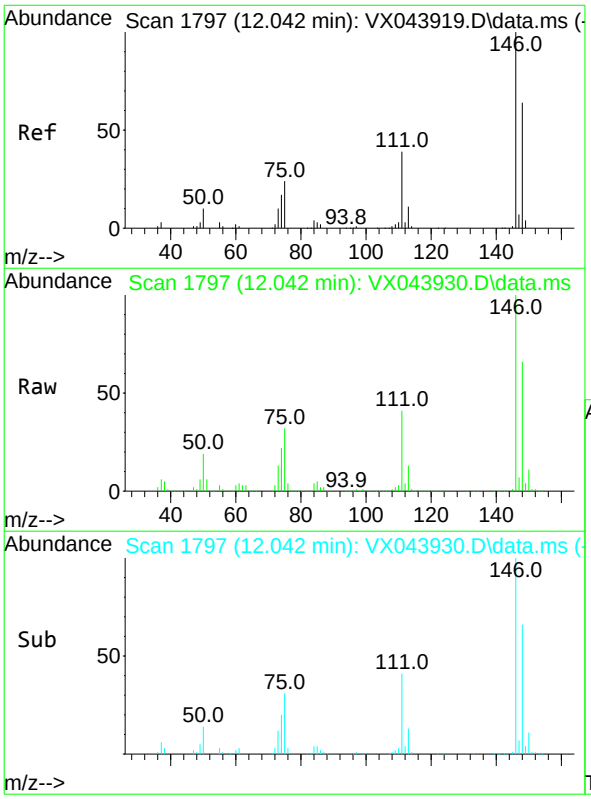
Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.8	62.2
148	63.8	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

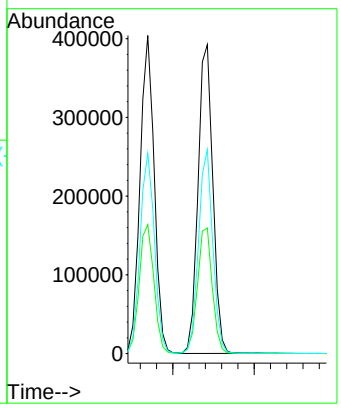
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

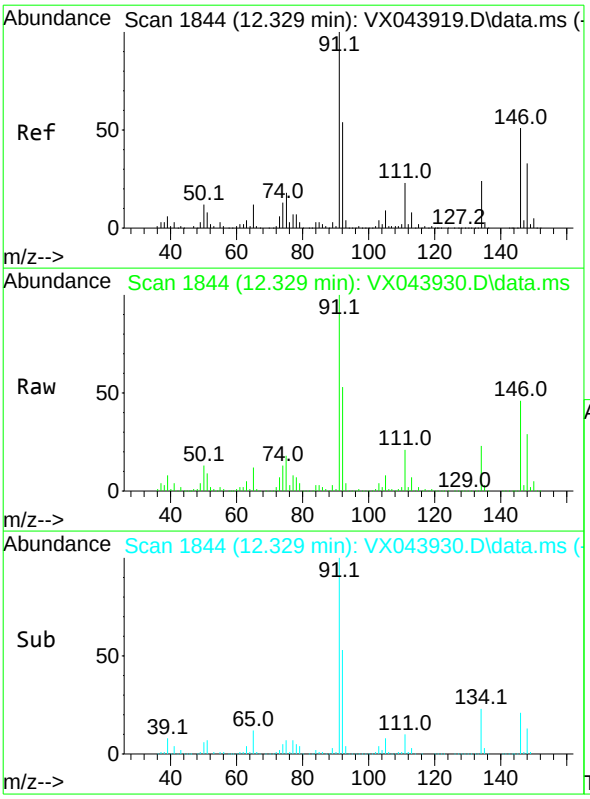


#88
1,4-Dichlorobenzene
Concen: 154.301 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

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

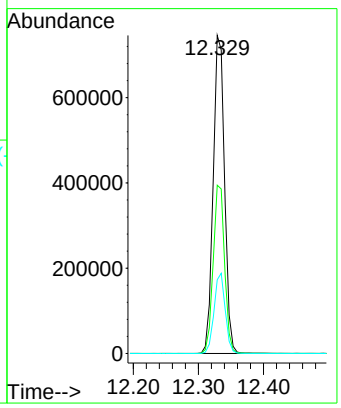
Tgt Ion: 91 Resp: 903805

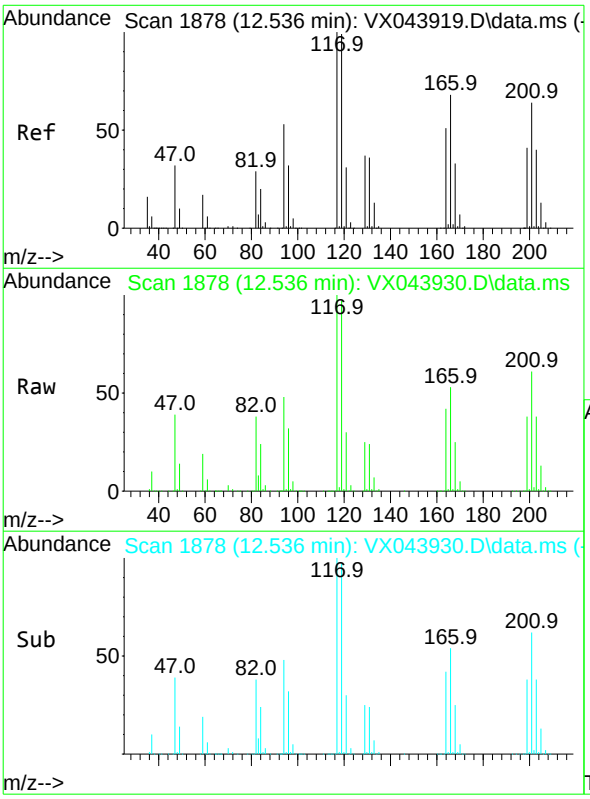
Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.9	80.6
134	24.8	12.9	38.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

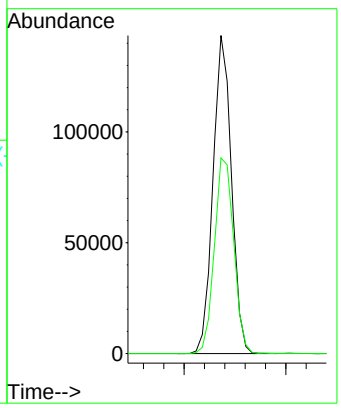


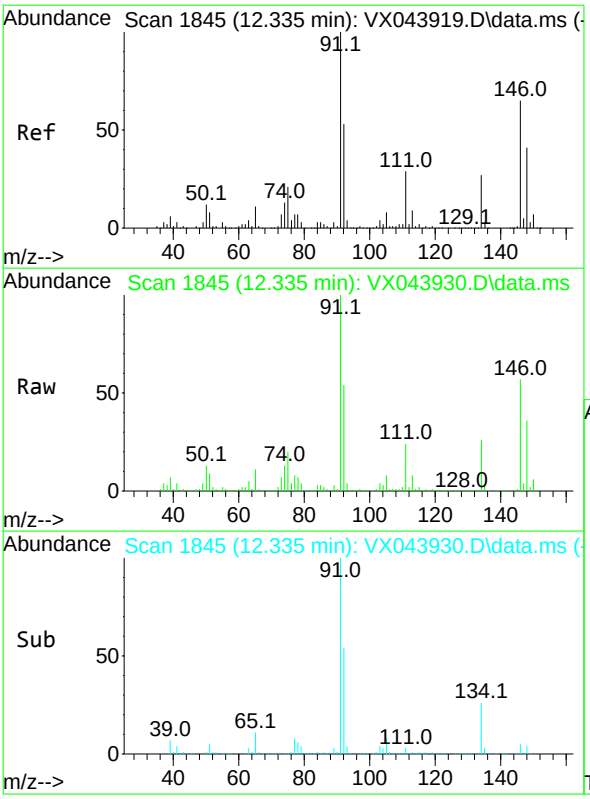


#90
Hexachloroethane
Concen: 151.823 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

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

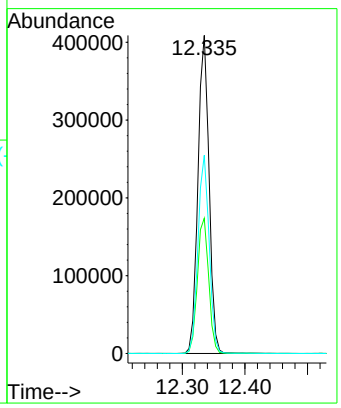
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

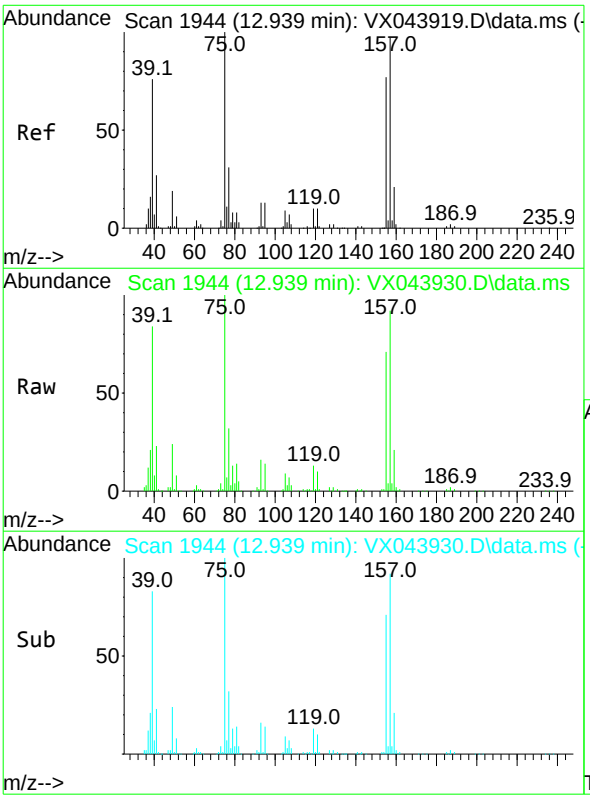
Tgt Ion:146 Resp: 503214

Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.7	65.1
148	62.6	31.6	94.7

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

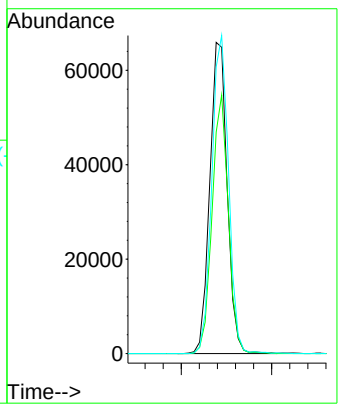


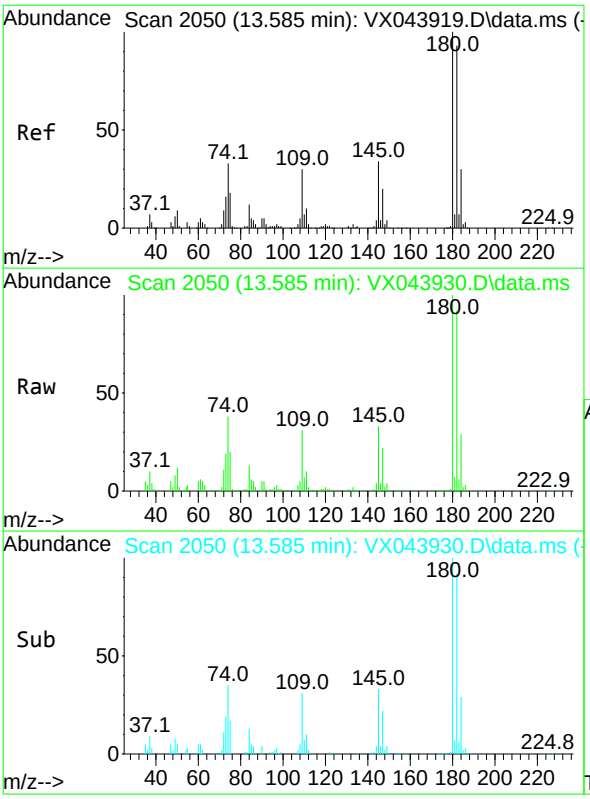


#92
1,2-Dibromo-3-Chloropropane
Concen: 146.019 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

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

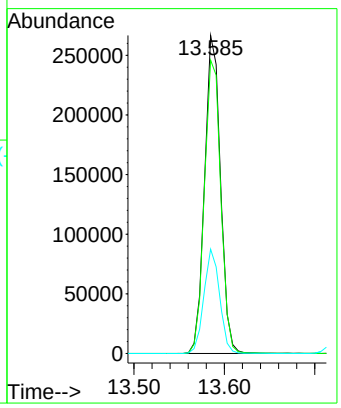
Tgt Ion:180 Resp: 325289

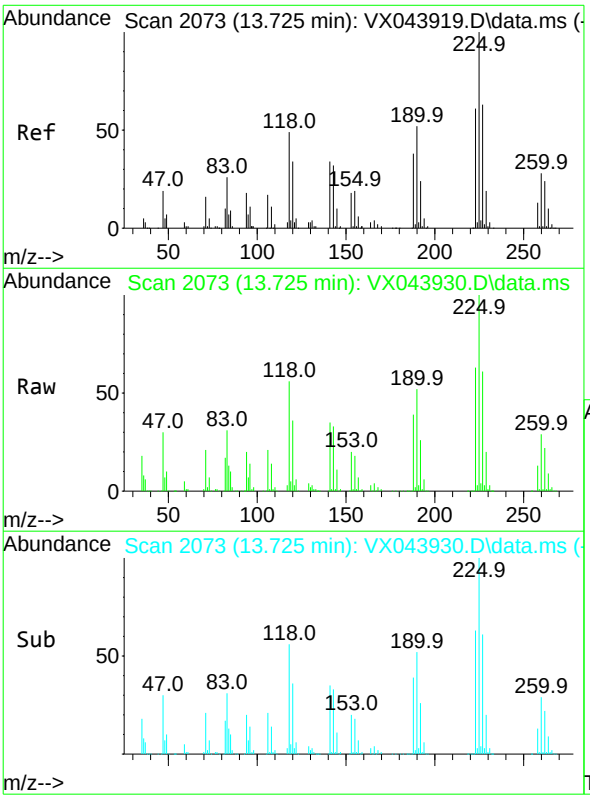
Ion	Ratio	Lower	Upper
180	100		
182	95.1	46.8	140.4
145	32.5	16.4	49.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

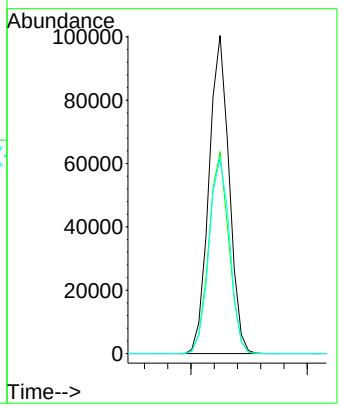


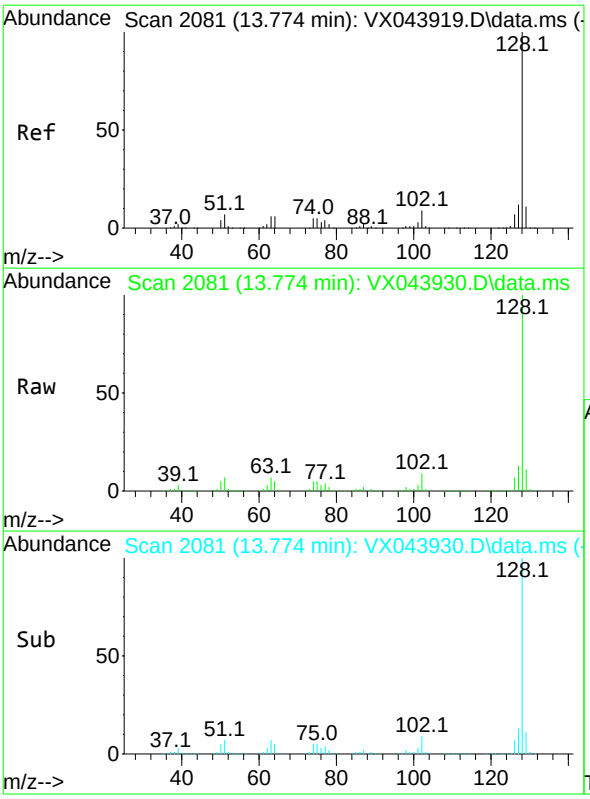


#94
Hexachlorobutadiene
Concen: 154.589 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

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

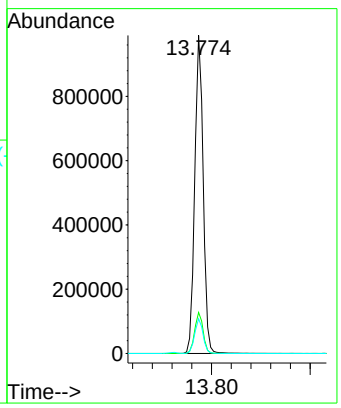




#95
Naphthalene
Concen: 164.565 ug/l
RT: 13.774 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:128 Resp: 1173154

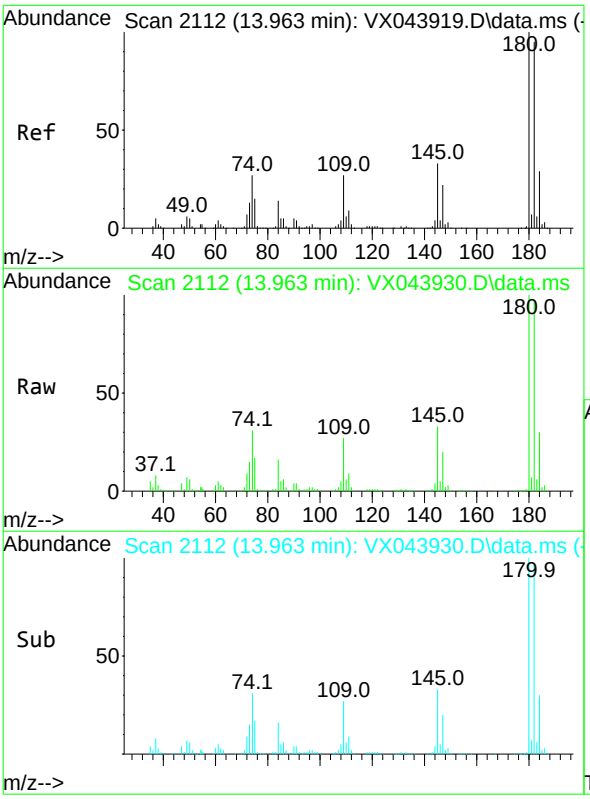
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.1	15.1
129	10.9	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

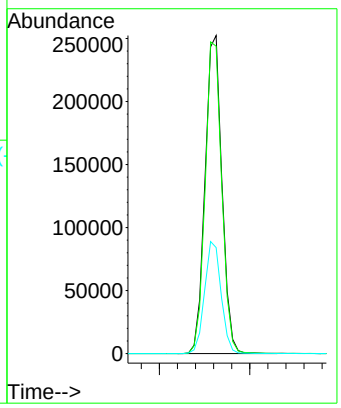
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#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 (QT 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

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 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

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	99
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	100
6) Chloroethane	1.660	64	46342	40.921	ug/l	100
7) Trichlorofluoromethane	1.868	101	177461	53.407	ug/l	99
8) Diethyl Ether	2.130	74	57339	47.345	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.313	101	80458	50.762	ug/l	98
10) Methyl Iodide	2.441	142	96234	48.614	ug/l	100
11) Tert butyl alcohol	2.995	59	85927	238.127	ug/l	99
12) 1,1-Dichloroethene	2.307	96	72787	48.192	ug/l	99
13) Acrolein	2.233	56	89571	235.500	ug/l	98
14) Allyl chloride	2.654	41	127367	51.610	ug/l	99
15) Acrylonitrile	3.063	53	227832	259.090	ug/l	99
16) Acetone	2.386	43	257802	249.676	ug/l	99
17) Carbon Disulfide	2.496	76	153826	49.375	ug/l	100
18) Methyl Acetate	2.703	43	121774	50.643	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	275221	50.186	ug/l	98
20) Methylene Chloride	2.782	84	82274	46.954	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	76687	49.179	ug/l	97
22) Diisopropyl ether	3.758	45	264554	50.132	ug/l	96
23) Vinyl Acetate	3.715	43	1189244	263.441	ug/l	100
24) 1,1-Dichloroethane	3.599	63	153635	50.466	ug/l	98
25) 2-Butanone	4.556	43	348803	261.804	ug/l	98
26) 2,2-Dichloropropane	4.459	77	143910	52.343	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	95076	49.326	ug/l	99
28) Bromochloromethane	4.891	49	62874	46.920	ug/l	96
29) Tetrahydrofuran	5.001	42	207942	254.585	ug/l	100
30) Chloroform	5.080	83	163357	49.891	ug/l	98
31) Cyclohexane	5.458	56	128482	51.278	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	144908	51.320	ug/l	99
36) 1,1-Dichloropropene	5.678	75	108518	53.218	ug/l	97
37) Ethyl Acetate	4.709	43	133283	52.656	ug/l	97
38) Carbon Tetrachloride	5.660	117	118655	51.786	ug/l	99
39) Methylcyclohexane	7.373	83	141696	53.489	ug/l	93
40) Benzene	6.025	78	319222	50.257	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

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

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

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.916	41	69766	53.851 ug/l	99
42) 1,2-Dichloroethane	6.074	62	128623	50.421 ug/l	100
43) Isopropyl Acetate	6.336	43	207332	51.469 ug/l	99
44) Trichloroethene	7.117	130	80113	44.554 ug/l	90
45) 1,2-Dichloropropane	7.422	63	74380	47.811 ug/l	98
46) Dibromomethane	7.574	93	62345	50.662 ug/l	99
47) Bromodichloromethane	7.818	83	116199	52.648 ug/l	99
48) Methyl methacrylate	7.690	41	101062	52.284 ug/l	99
49) 1,4-Dioxane	7.659	88	31178	905.506 ug/l #	86
51) 4-Methyl-2-Pentanone	8.574	43	652721	265.520 ug/l	100
52) Toluene	8.714	92	195814	51.507 ug/l	98
53) t-1,3-Dichloropropene	8.976	75	119461	53.077 ug/l	96
54) cis-1,3-Dichloropropene	8.360	75	128808	52.205 ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	78575	50.069 ug/l	97
56) Ethyl methacrylate	9.116	69	129841	53.118 ug/l	100
57) 1,3-Dichloropropane	9.305	76	134680	50.945 ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	315358	235.230 ug/l	99
59) 2-Hexanone	9.427	43	504444	273.011 ug/l	100
60) Dibromochloromethane	9.519	129	82754	52.557 ug/l	99
61) 1,2-Dibromoethane	9.604	107	83098	52.367 ug/l	100
64) Tetrachloroethene	9.269	164	66054	50.396 ug/l	97
65) Chlorobenzene	10.073	112	209963	48.094 ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	74354	52.515 ug/l	98
67) Ethyl Benzene	10.189	91	377215	50.991 ug/l	97
68) m/p-Xylenes	10.299	106	282971	102.572 ug/l	99
69) o-Xylene	10.640	106	138437	51.396 ug/l	98
70) Styrene	10.653	104	230449	51.728 ug/l	99
71) Bromoform	10.799	173	50837	47.449 ug/l #	98
73) Isopropylbenzene	10.957	105	365084	49.222 ug/l	99
74) N-amyl acetate	10.842	43	176627	51.406 ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.214	83	125346	49.356 ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	105742m	49.973 ug/l	
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	100
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	98
82) 4-Chlorotoluene	11.451	91	287717	48.652 ug/l	100
83) tert-Butylbenzene	11.713	119	303408	50.165 ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	306251	50.410 ug/l	100
85) sec-Butylbenzene	11.890	105	372793	50.307 ug/l	99
86) p-Isopropyltoluene	12.006	119	310060	51.511 ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	153164	47.529 ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	155422	47.306 ug/l	97
89) n-Butylbenzene	12.329	91	276075	52.020 ug/l	99
90) Hexachloroethane	12.536	117	51229	50.050 ug/l	97
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	99
93) 1,2,4-Trichlorobenzene	13.585	180	94896	49.495 ug/l	99
94) Hexachlorobutadiene	13.725	225	37937	50.065 ug/l	97
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

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

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

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

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

ICAL Form

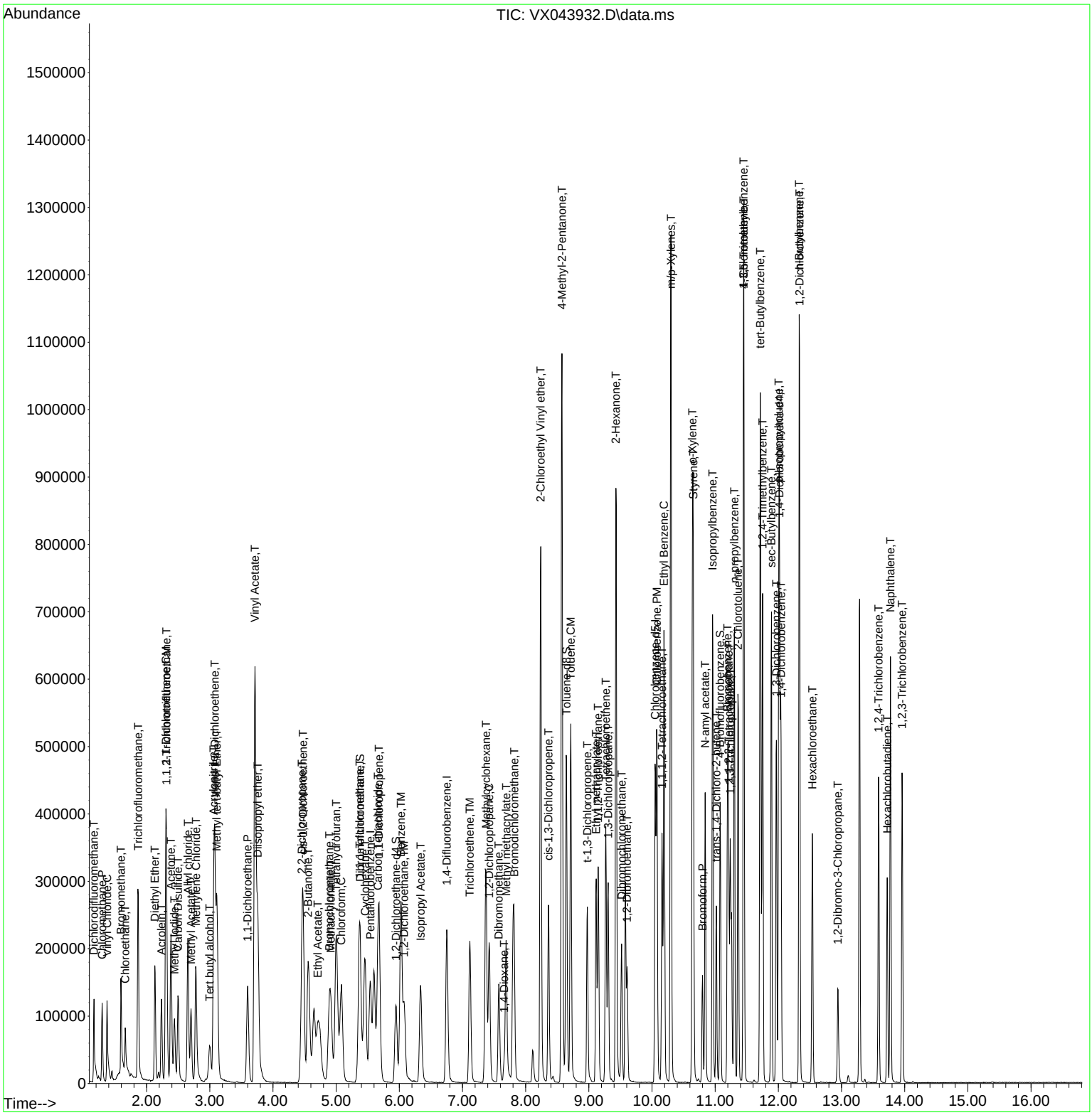
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043932.D
Acq On : 21 Nov 2024 13:57
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

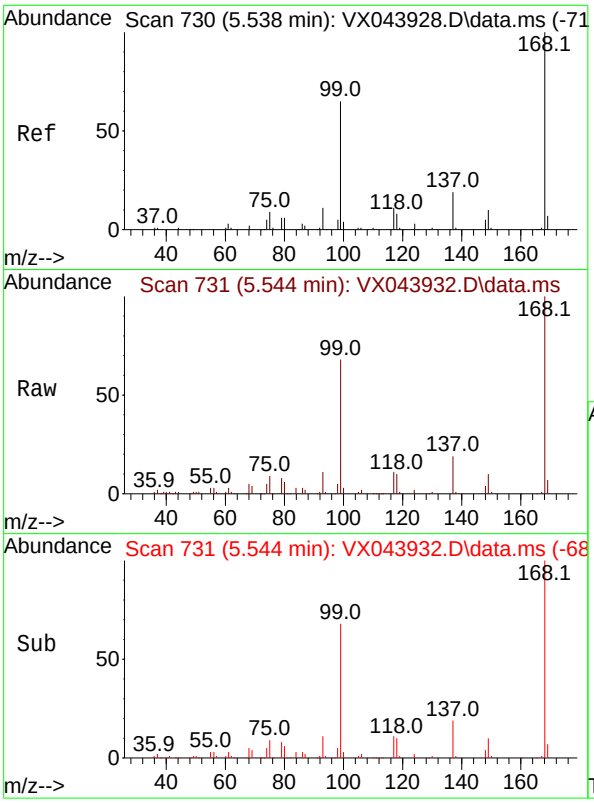
Quant Time: Nov 22 03:54:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

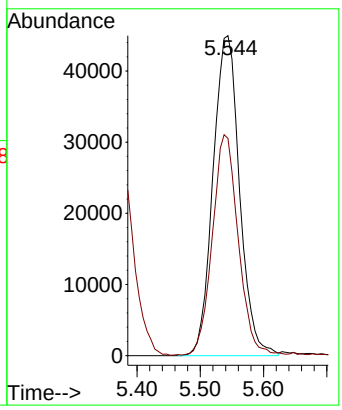




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:168 Resp: 13107

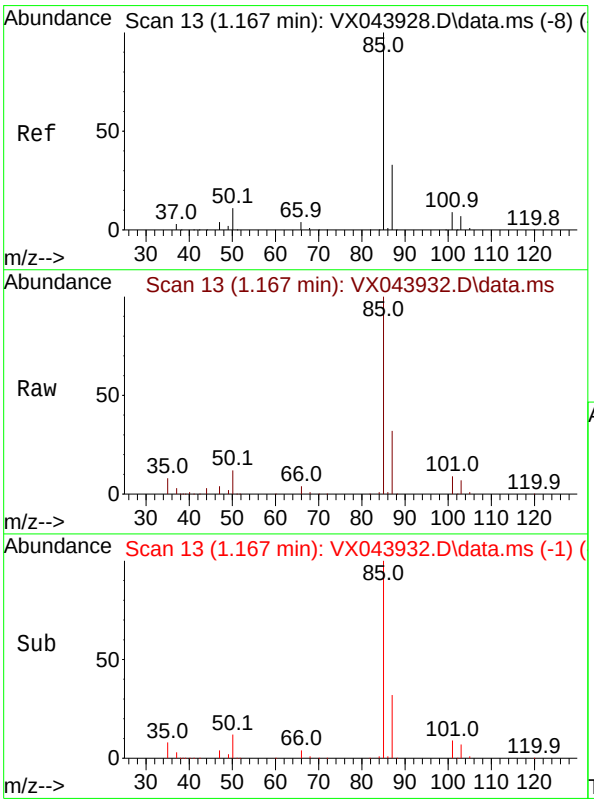
Ion	Ratio	Lower	Upper
168	100		
99	67.5	51.8	77.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

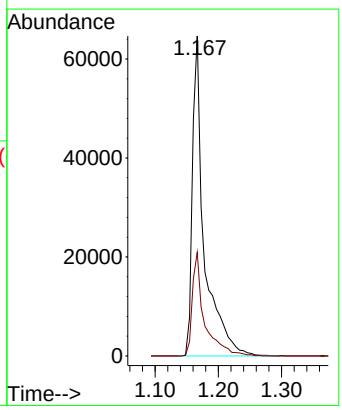
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

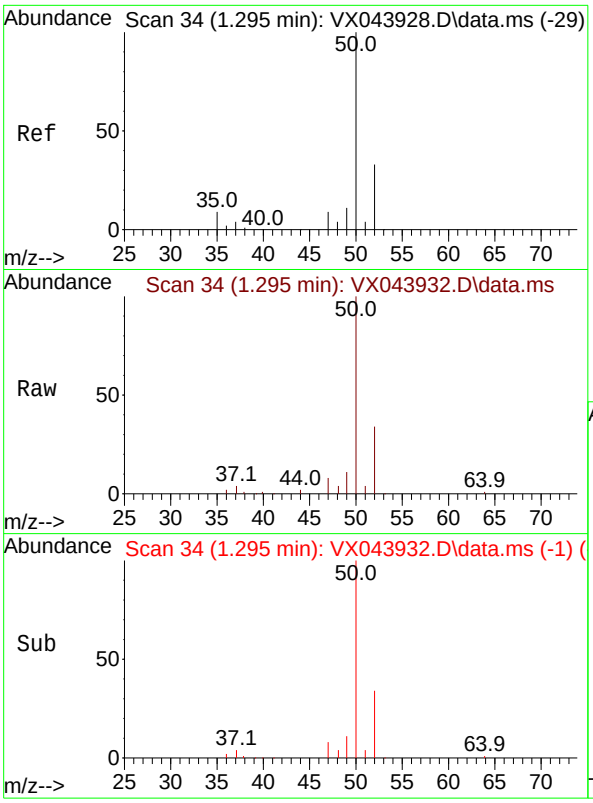


#2
Dichlorodifluoromethane
Concen: 50.537 ug/l
RT: 1.167 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 85 Resp: 83916

Ion	Ratio	Lower	Upper
85	100		
87	32.4	16.6	49.8

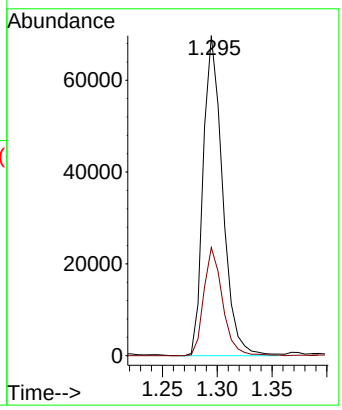




#3
Chloromethane
Concen: 49.100 ug/l
RT: 1.295 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 50 Resp: 8579

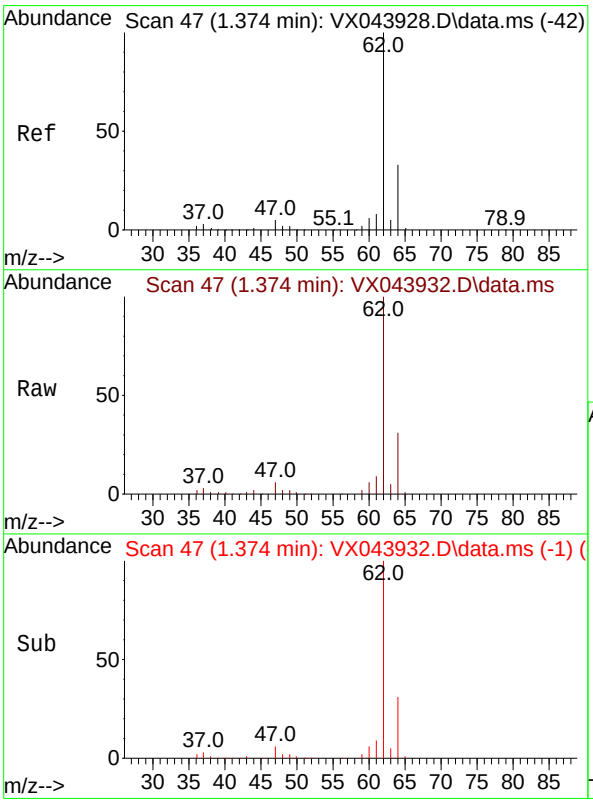
Ion	Ratio	Lower	Upper
50	100		
52	33.8	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

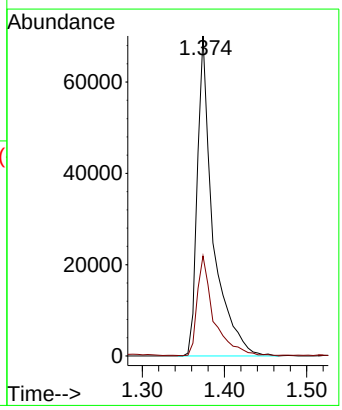
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

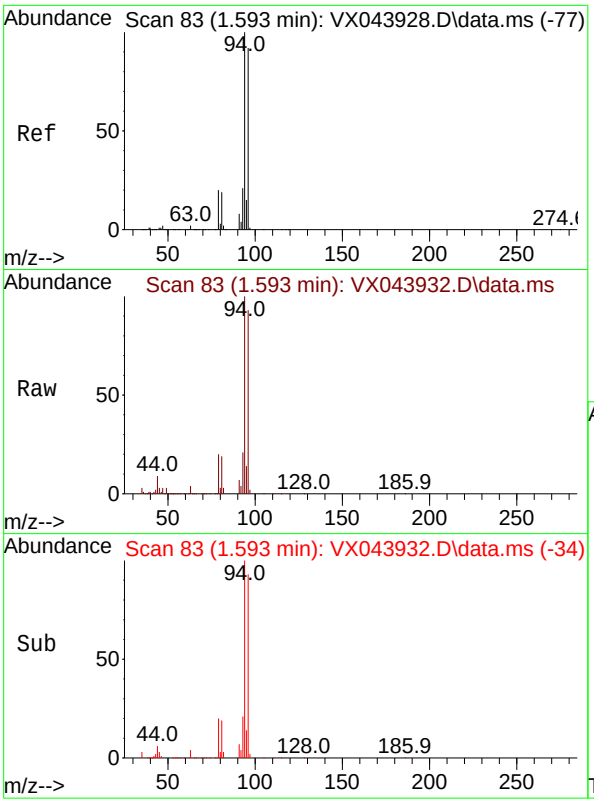


#4
Vinyl Chloride
Concen: 50.118 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 62 Resp: 93147

Ion	Ratio	Lower	Upper
62	100		
64	31.1	26.2	39.4

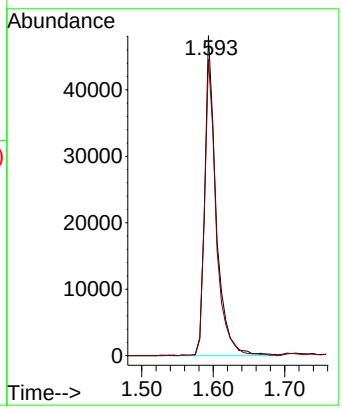




#5
Bromomethane
Concen: 47.040 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 94 Resp: 5378

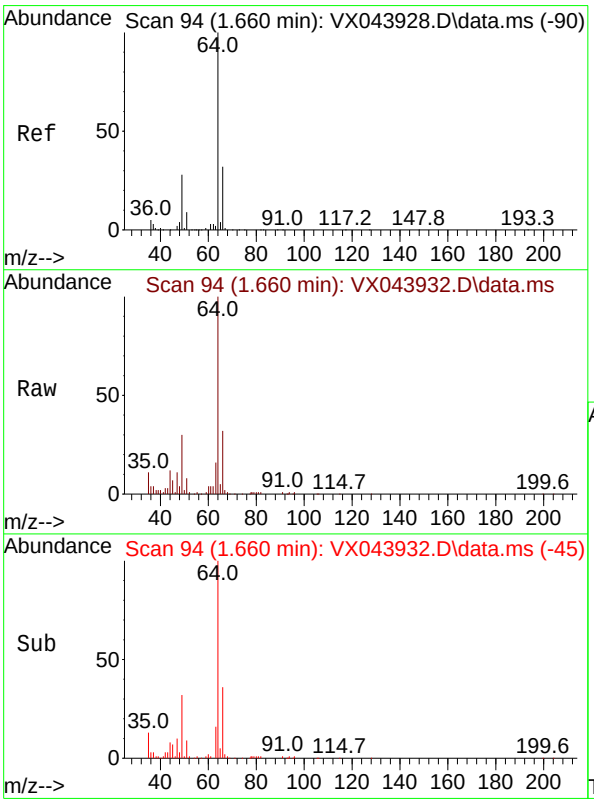
Ion	Ratio	Lower	Upper
94	100		
96	92.7	73.9	110.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

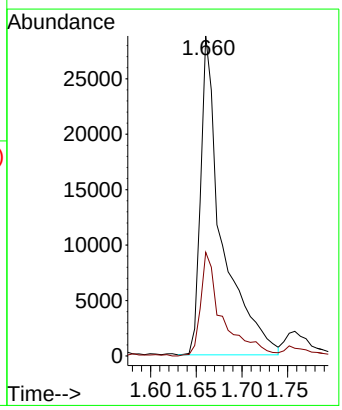
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

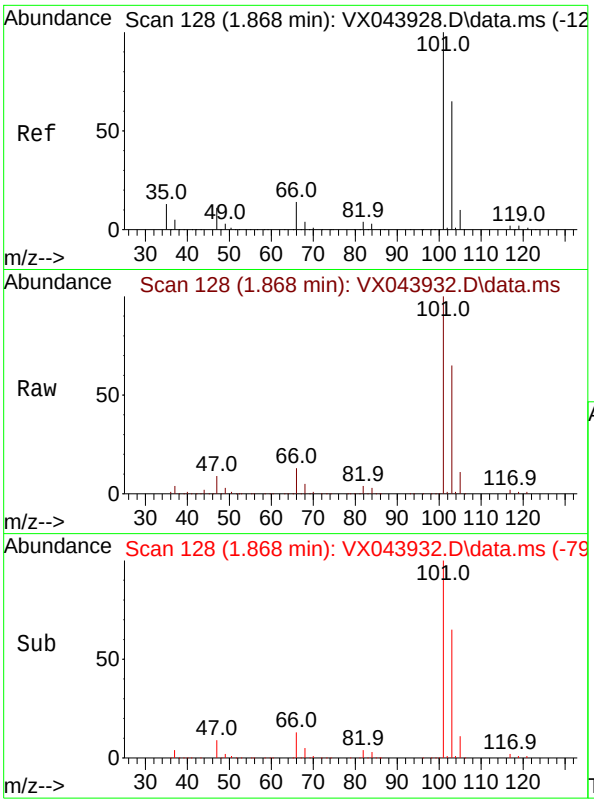


#6
Chloroethane
Concen: 40.921 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 64 Resp: 46342

Ion	Ratio	Lower	Upper
64	100		
66	32.5	25.9	38.9

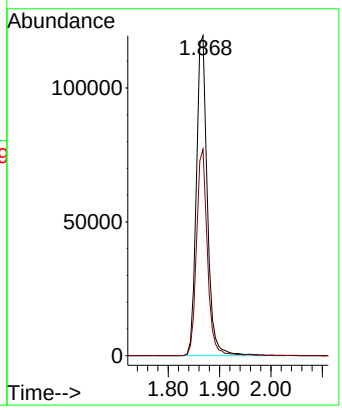




#7
Trichlorofluoromethane
Concen: 53.407 ug/l
RT: 1.868 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:101 Resp: 17746

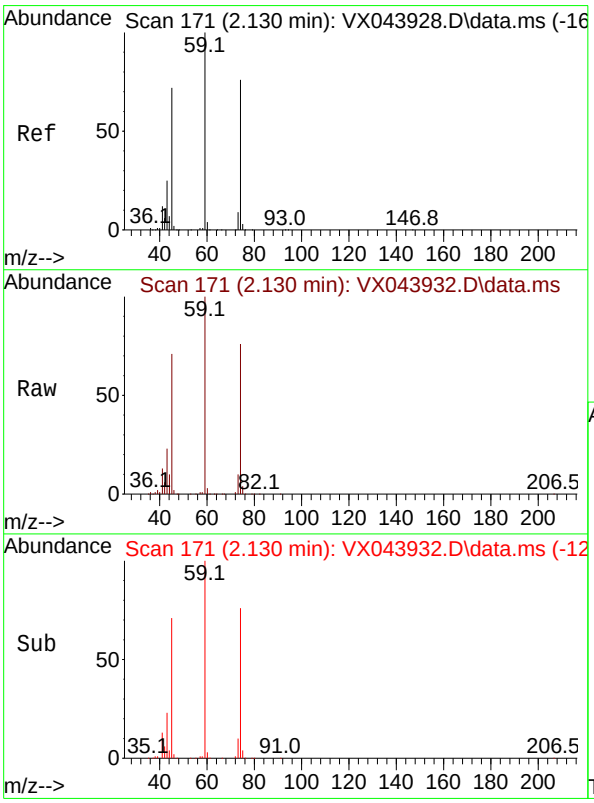
Ion	Ratio	Lower	Upper
101	100		
103	64.5	52.2	78.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

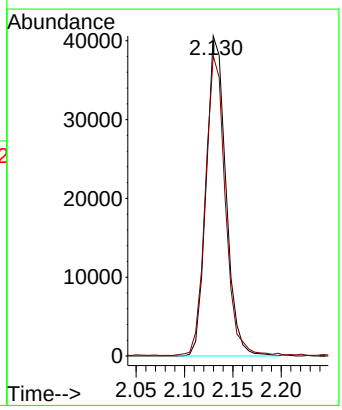
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

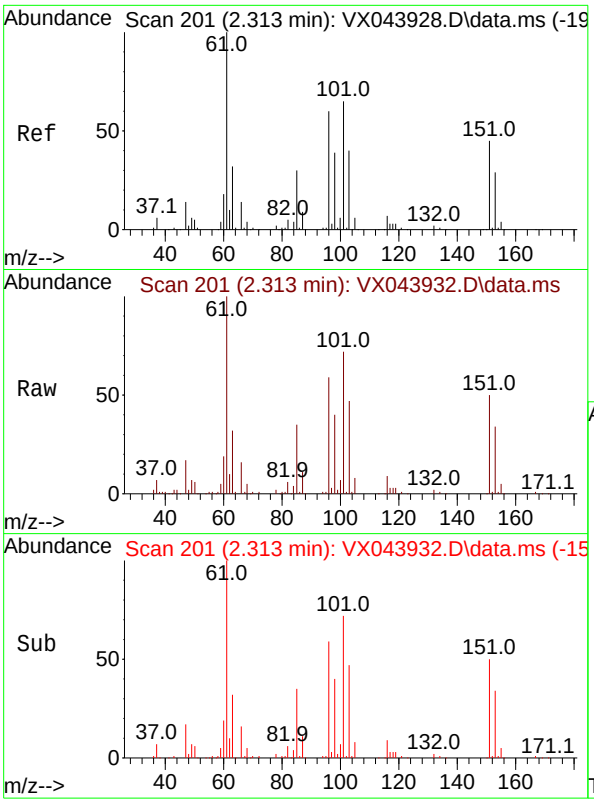


#8
Diethyl Ether
Concen: 47.345 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 74 Resp: 57339

Ion	Ratio	Lower	Upper
74	100		
45	95.6	47.9	143.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.762 ug/l
RT: 2.313 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

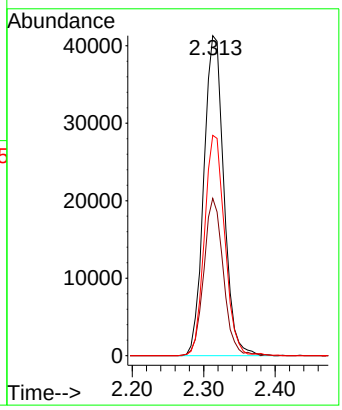
Tgt Ion:101 Resp: 8045

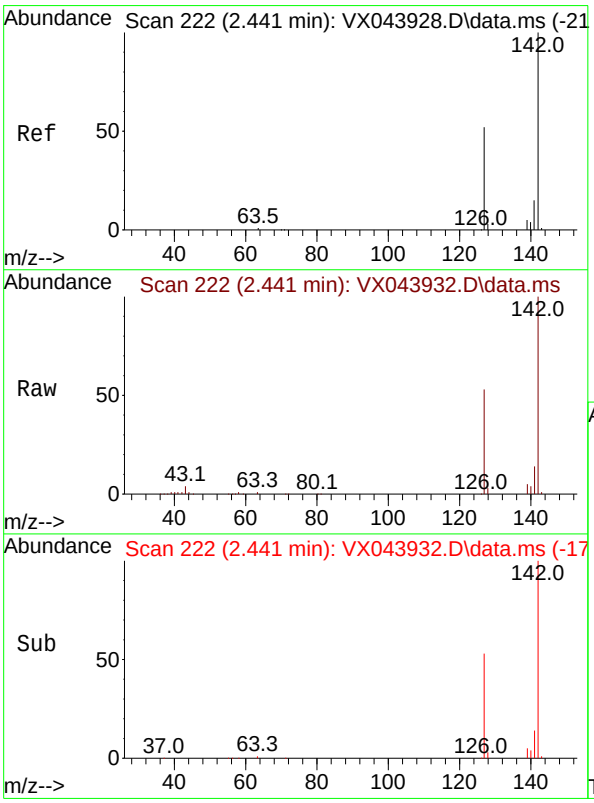
Ion	Ratio	Lower	Upper
101	100		
85	47.7	37.9	56.9
151	69.3	57.5	86.3

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

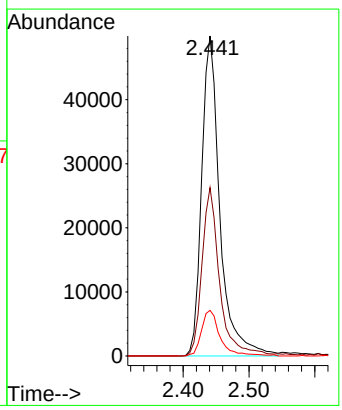


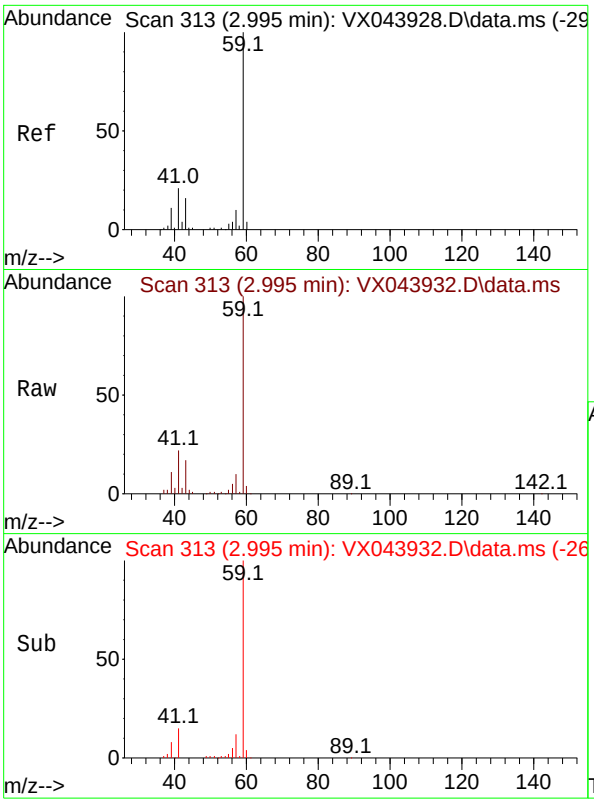


#10
Methyl Iodide
Concen: 48.614 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:142 Resp: 96234

Ion	Ratio	Lower	Upper
142	100		
127	50.9	40.7	61.1
141	14.6	12.0	18.0

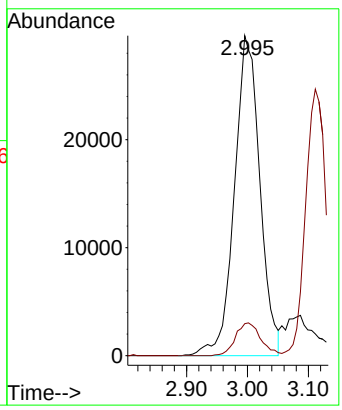




#11
Tert butyl alcohol
Concen: 238.127 ug/l
RT: 2.995 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 59 Resp: 8592

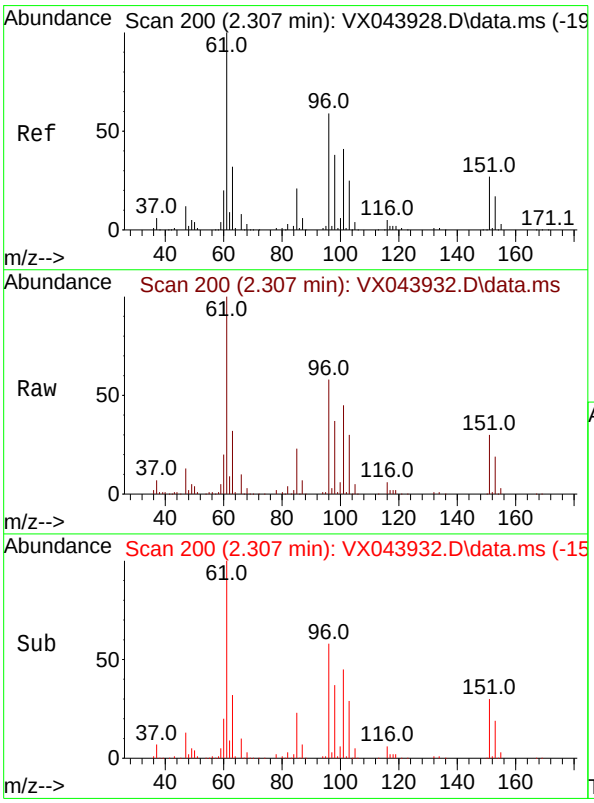
Ion	Ratio	Lower	Upper
59	100		
57	10.3	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

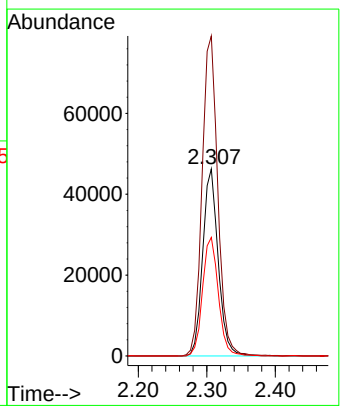
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

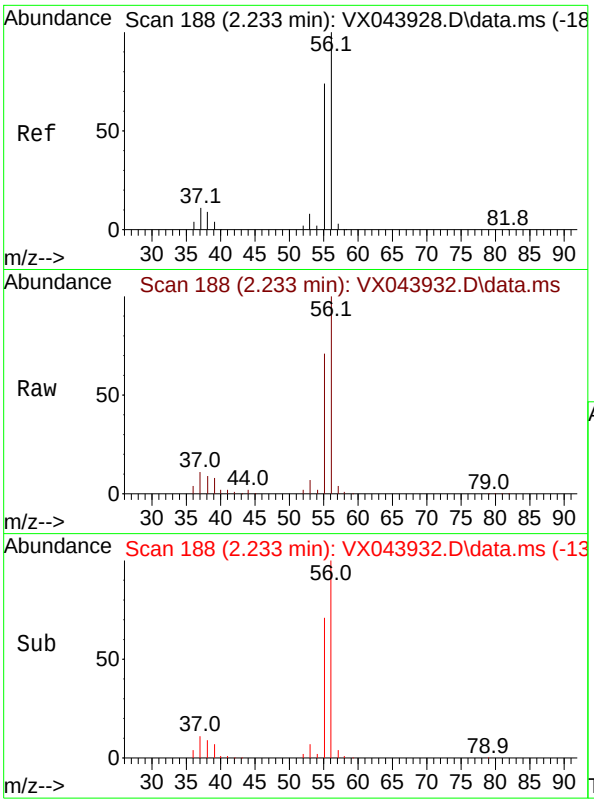


#12
1,1-Dichloroethene
Concen: 48.192 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 96 Resp: 72787

Ion	Ratio	Lower	Upper
96	100		
61	171.1	135.5	203.3
98	63.4	50.8	76.2

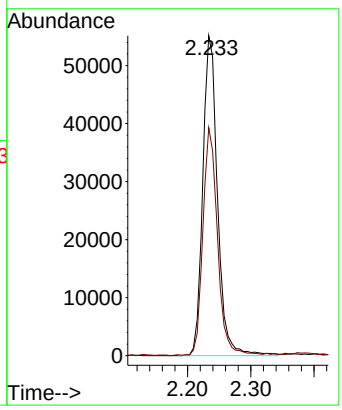




#13
Acrolein
Concen: 235.500 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 56 Resp: 8957

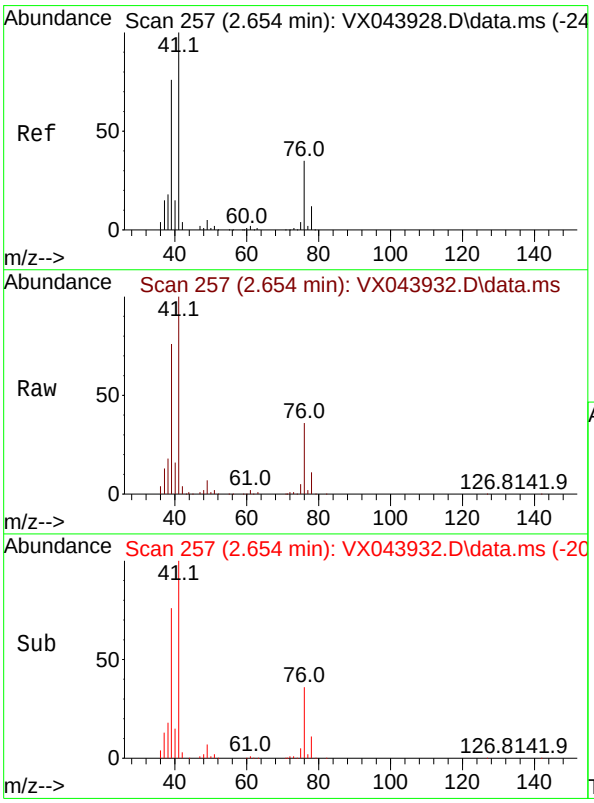
Ion	Ratio	Lower	Upper
56	100		
55	70.9	58.2	87.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

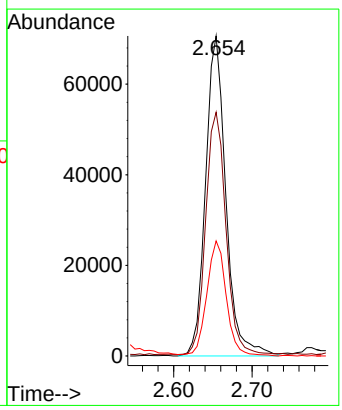
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

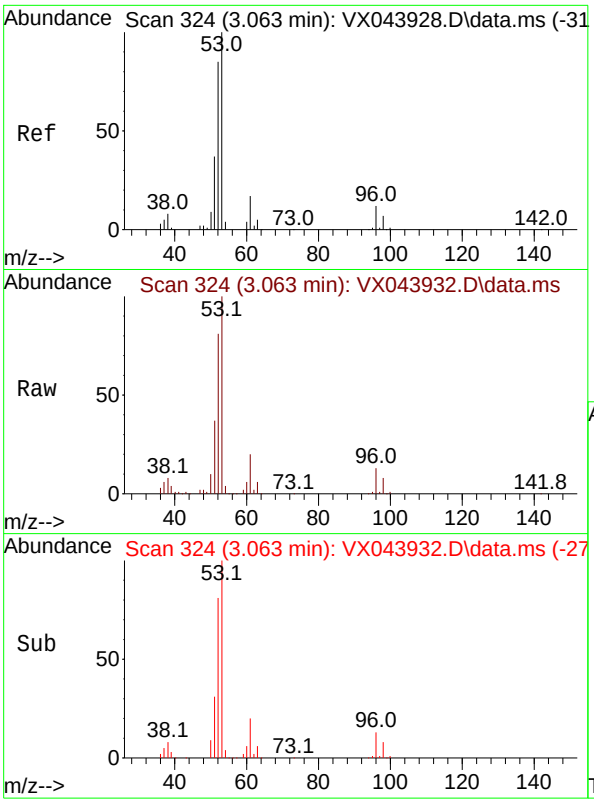


#14
Allyl chloride
Concen: 51.610 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 41 Resp: 127367

Ion	Ratio	Lower	Upper
41	100		
39	75.3	59.5	89.3
76	34.5	27.4	41.2

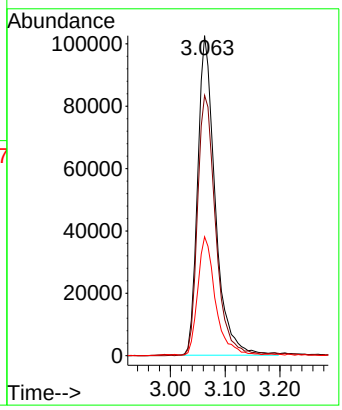




#15
Acrylonitrile
Concen: 259.090 ug/l
RT: 3.063 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 53 Resp: 22783

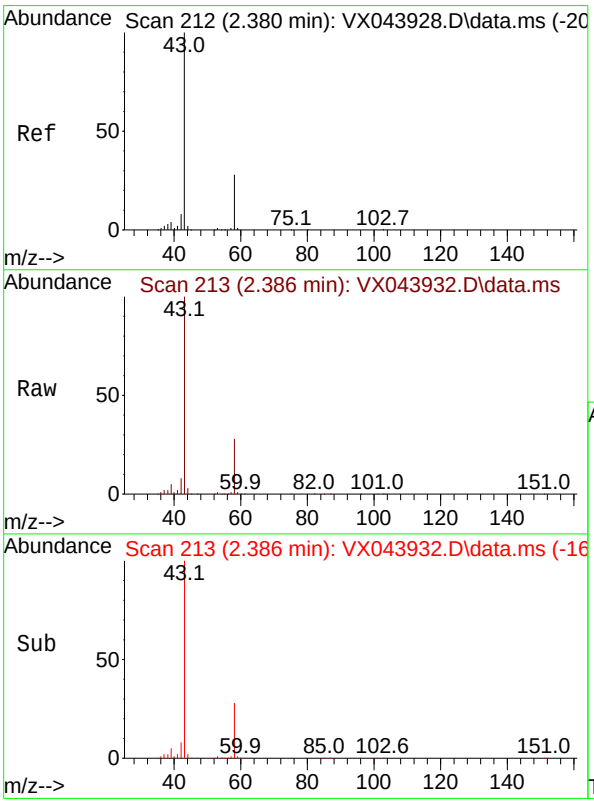
Ion	Ratio	Lower	Upper
53	100		
52	84.3	66.5	99.7
51	37.2	30.2	45.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

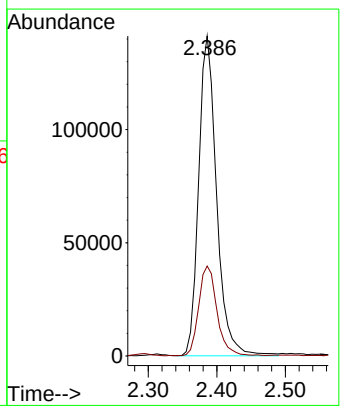
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

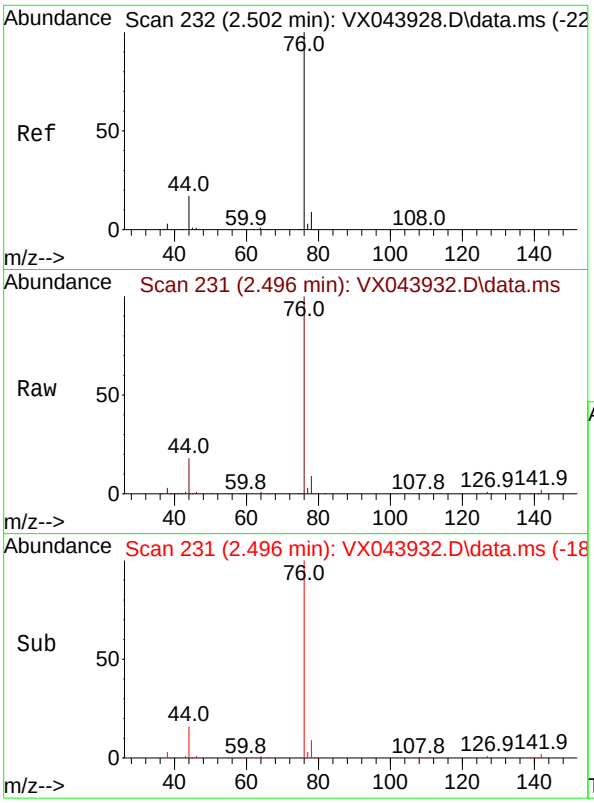


#16
Acetone
Concen: 249.676 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 43 Resp: 257802

Ion	Ratio	Lower	Upper
43	100		
58	28.0	22.7	34.1





#17
Carbon Disulfide
Concen: 49.375 ug/l
RT: 2.496 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

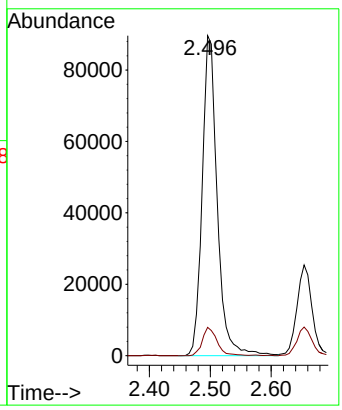
Tgt Ion: 76 Resp: 15382

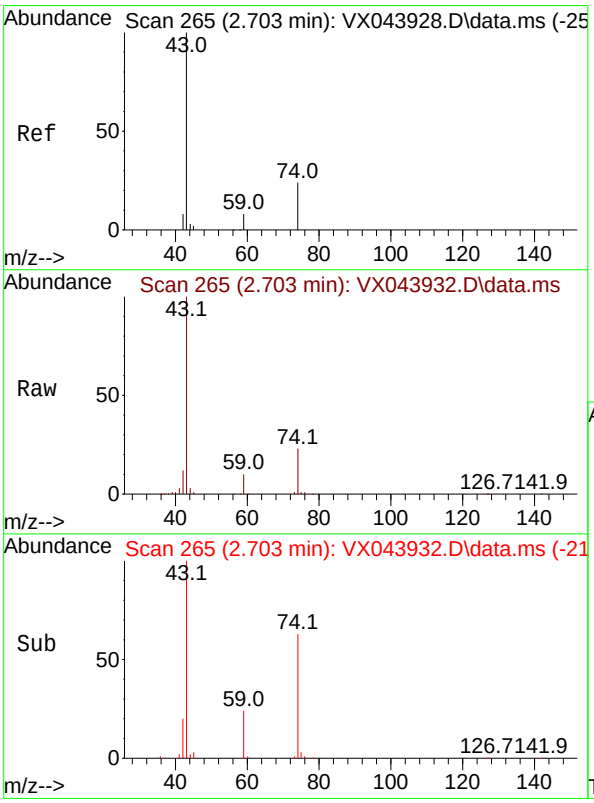
Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.6

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

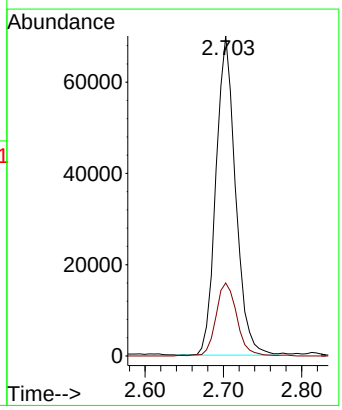


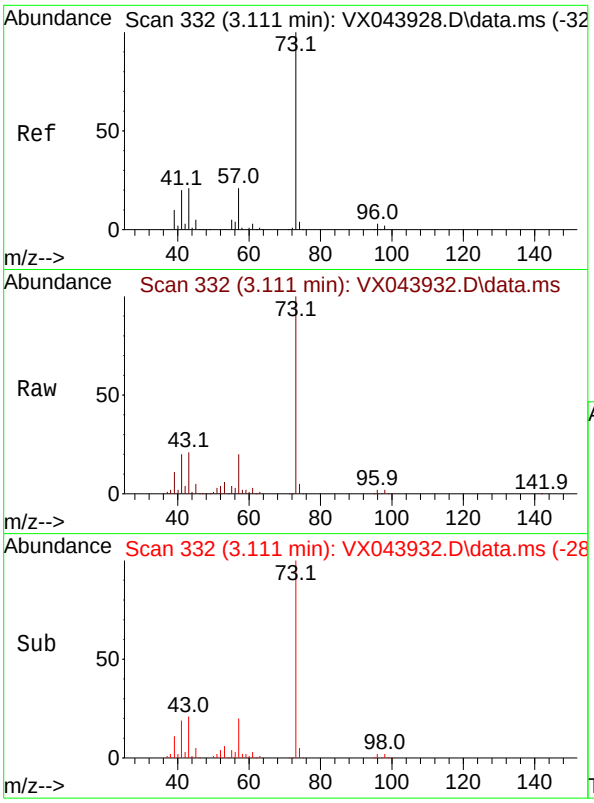


#18
Methyl Acetate
Concen: 50.643 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 43 Resp: 121774

Ion	Ratio	Lower	Upper
43	100		
74	24.5	18.9	28.3





#19
Methyl tert-butyl Ether
Concen: 50.186 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

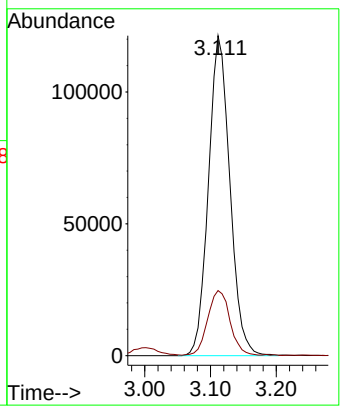
Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

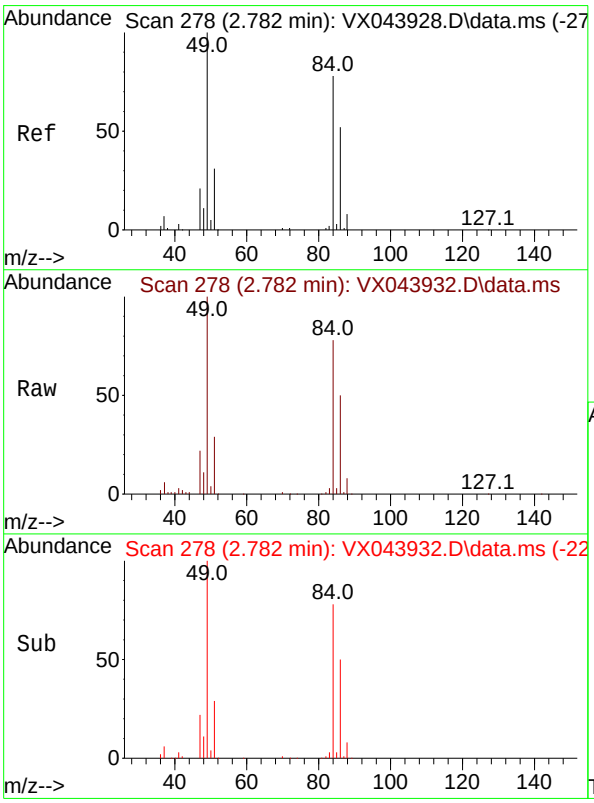
Tgt Ion: 73 Resp: 27522

Ion	Ratio	Lower	Upper
73	100		
57	20.2	17.0	25.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

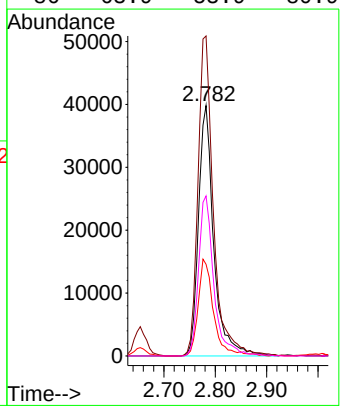


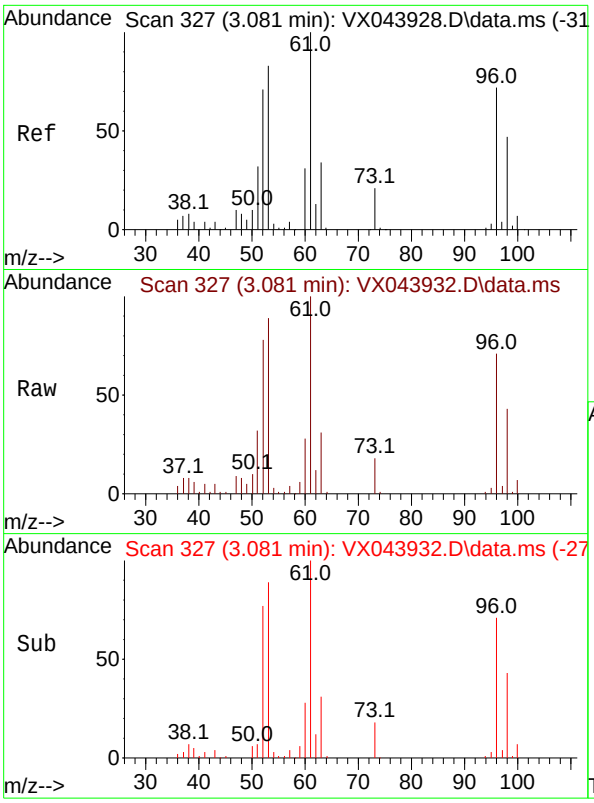


#20
Methylene Chloride
Concen: 46.954 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 84 Resp: 82274

Ion	Ratio	Lower	Upper
84	100		
49	127.8	102.7	154.1
51	36.6	31.7	47.5
86	63.9	53.9	80.9

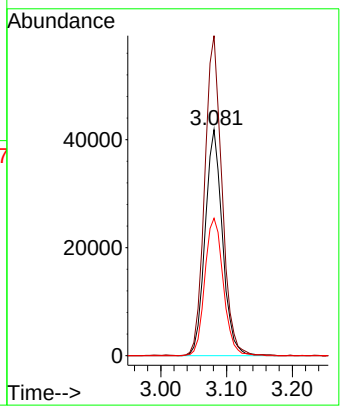




#21
trans-1,2-Dichloroethene
Concen: 49.179 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 96 Resp: 7668

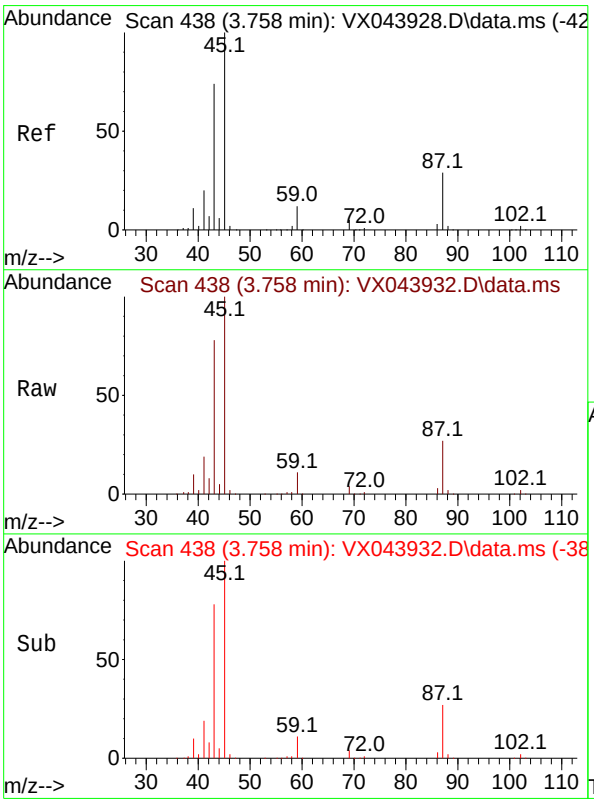
Ion	Ratio	Lower	Upper
96	100		
61	141.5	111.8	167.6
98	60.8	52.7	79.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

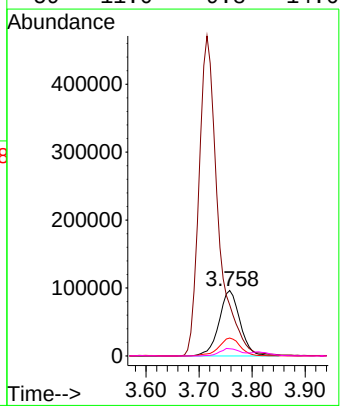
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

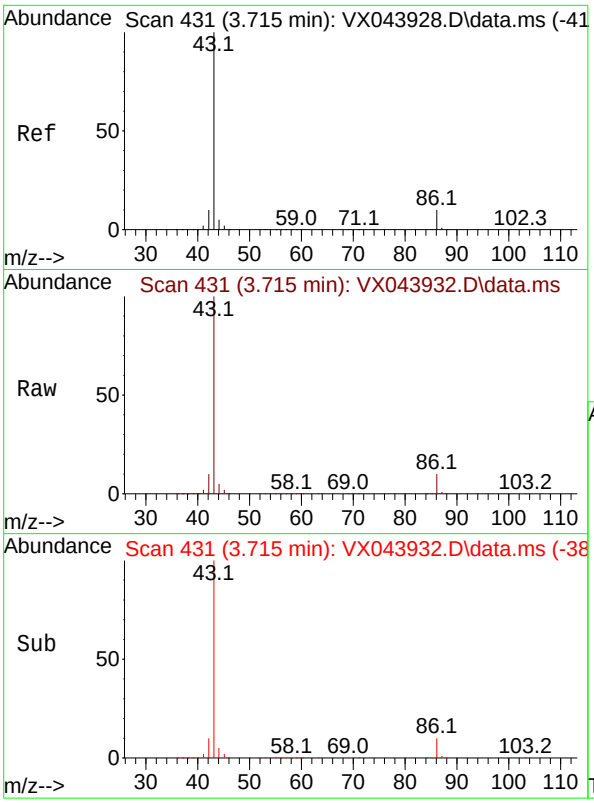


#22
Diisopropyl ether
Concen: 50.132 ug/l
RT: 3.758 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 45 Resp: 264554

Ion	Ratio	Lower	Upper
45	100		
43	78.0	59.6	89.4
87	27.4	22.9	34.3
59	11.0	9.8	14.6





#23
Vinyl Acetate
Concen: 263.441 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

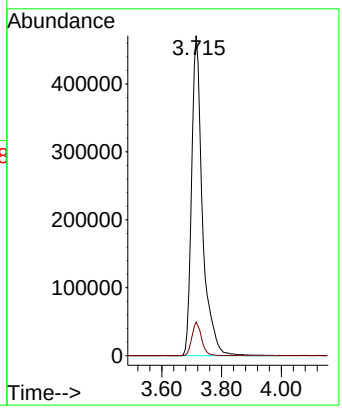
Tgt Ion: 43 Resp: 118924

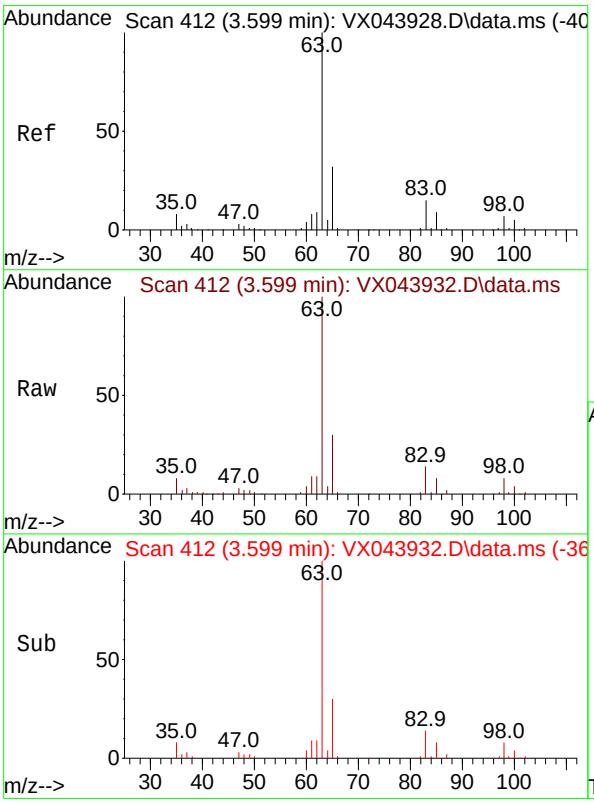
Ion	Ratio	Lower	Upper
43	100		
86	10.5	8.3	12.5

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

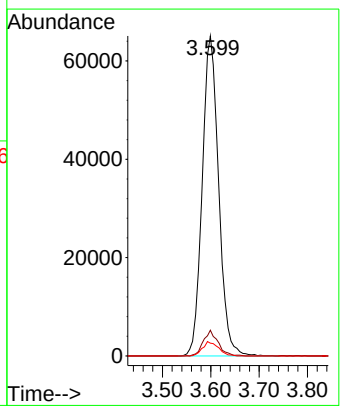


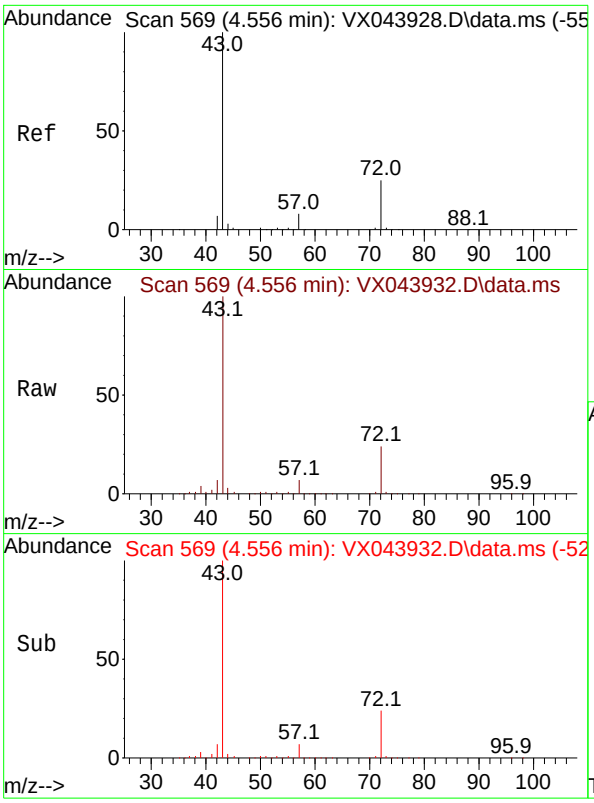


#24
1,1-Dichloroethane
Concen: 50.466 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 63 Resp: 153635

Ion	Ratio	Lower	Upper
63	100		
98	8.0	3.5	10.6
100	4.0	2.4	7.1





#25
2-Butanone
Concen: 261.804 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

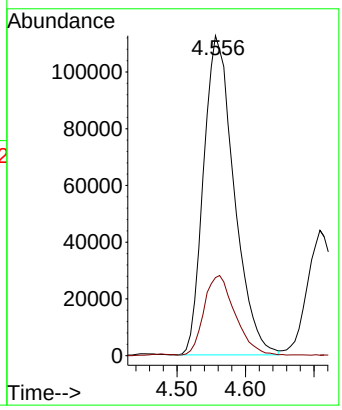
Tgt Ion: 43 Resp: 34880

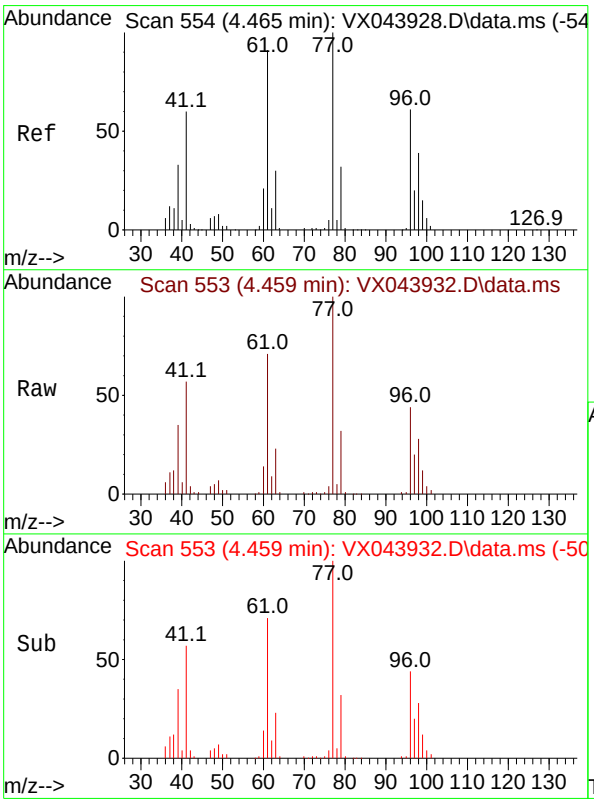
Ion	Ratio	Lower	Upper
43	100		
72	24.3	20.2	30.2

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

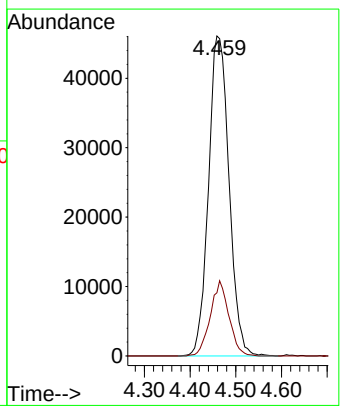


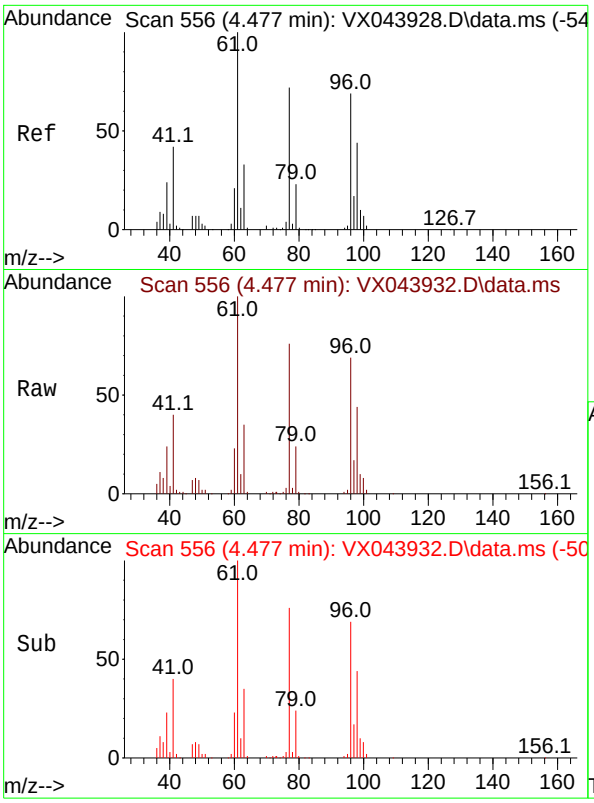


#26
2,2-Dichloropropane
Concen: 52.343 ug/l
RT: 4.459 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 77 Resp: 143910

Ion	Ratio	Lower	Upper
77	100		
97	21.3	10.8	32.3





#27
cis-1,2-Dichloroethene
Concen: 49.326 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

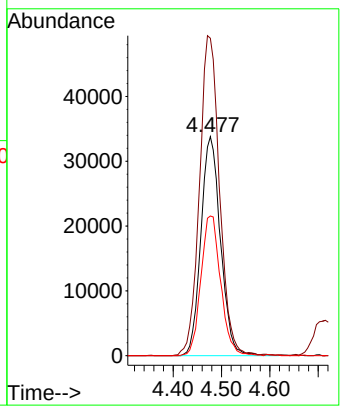
Tgt Ion: 96 Resp: 9507

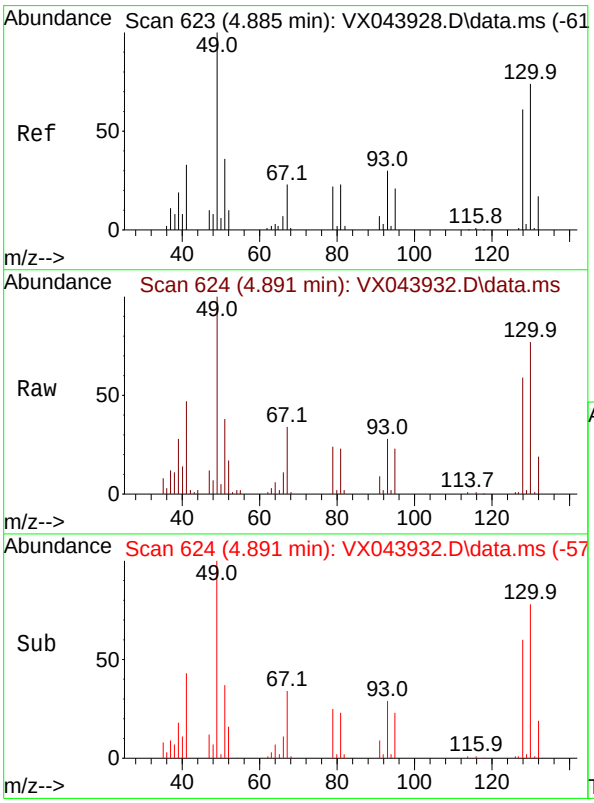
Ion	Ratio	Lower	Upper
96	100		
61	149.6	0.0	297.4
98	64.3	0.0	127.8

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

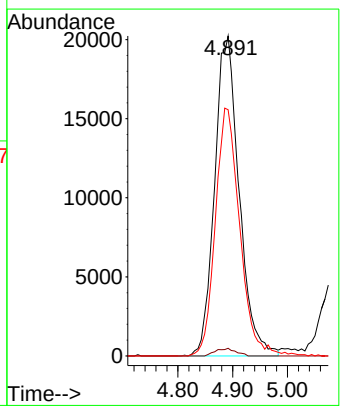


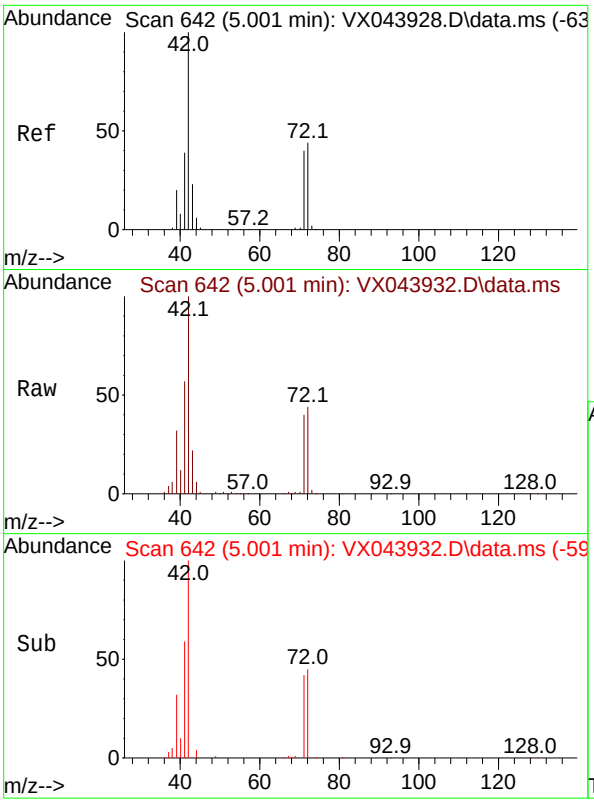


#28
Bromochloromethane
Concen: 46.920 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 49 Resp: 62874

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	77.3	59.0	88.6





#29
Tetrahydrofuran
Concen: 254.585 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

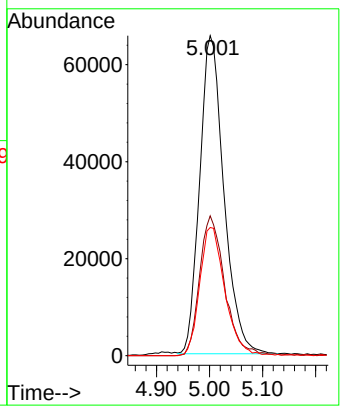
Tgt Ion: 42 Resp: 20794

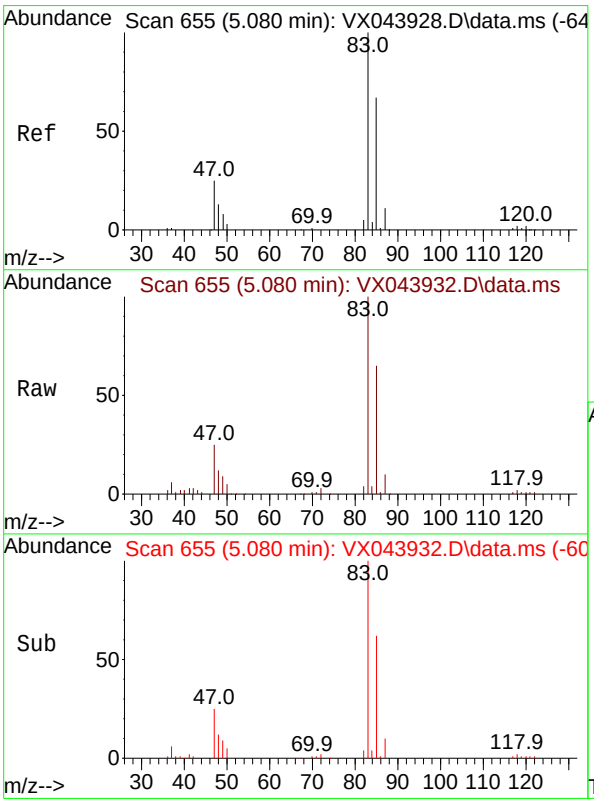
Ion	Ratio	Lower	Upper
42	100		
72	45.6	36.4	54.6
71	42.0	33.4	50.0

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

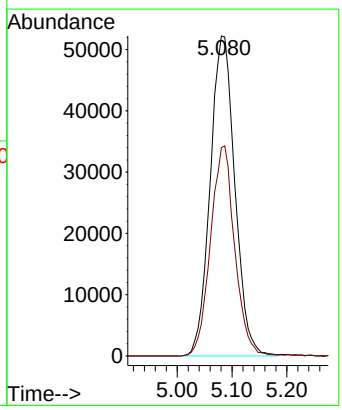


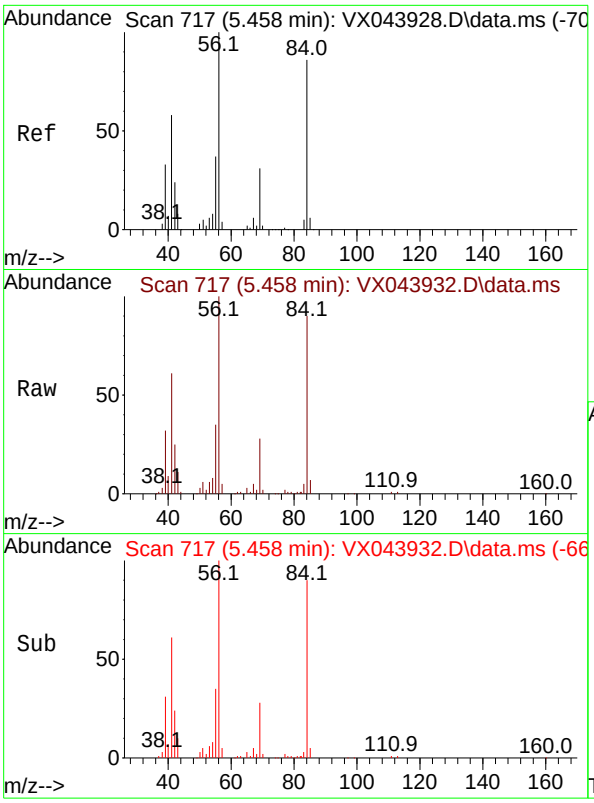


#30
Chloroform
Concen: 49.891 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 83 Resp: 163357

Ion	Ratio	Lower	Upper
83	100		
85	65.1	53.5	80.3

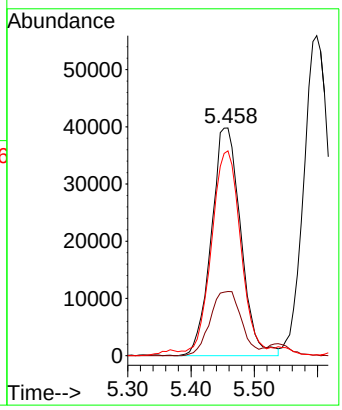




#31
Cyclohexane
Concen: 51.278 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 56 Resp: 12848

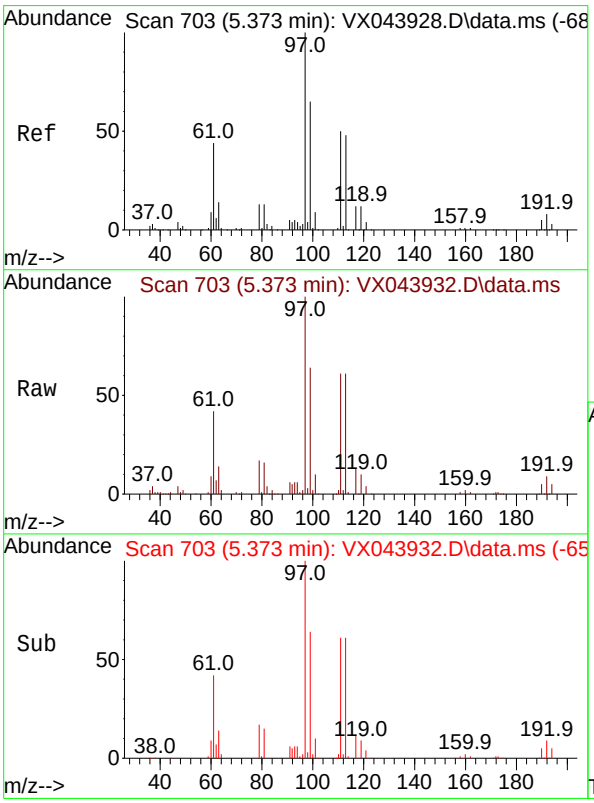
Ion	Ratio	Lower	Upper
56	100		
69	28.2	24.7	37.1
84	88.1	68.7	103.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

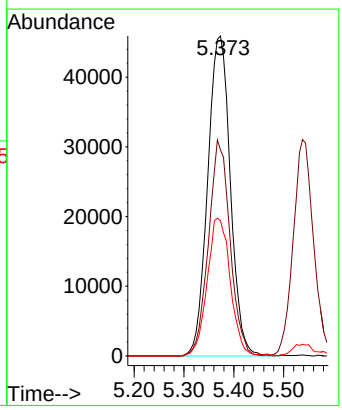
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

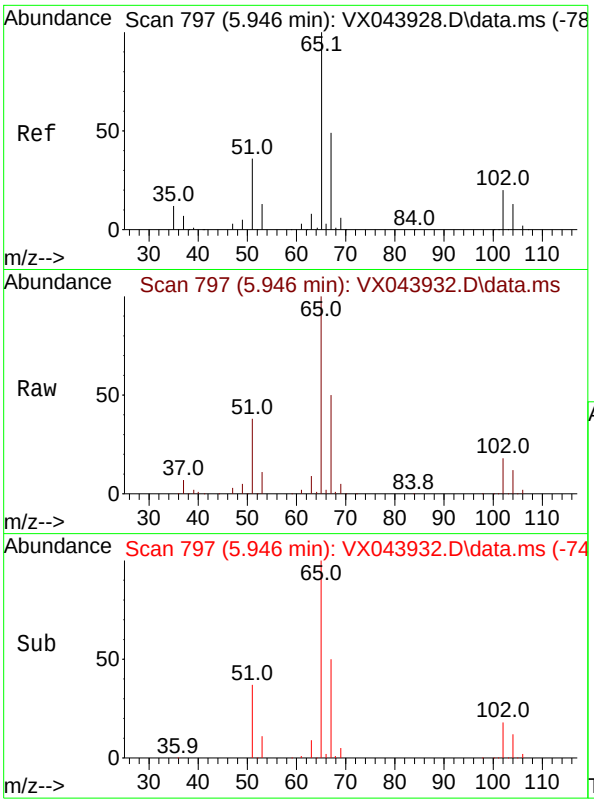


#32
1,1,1-Trichloroethane
Concen: 51.320 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 97 Resp: 144908

Ion	Ratio	Lower	Upper
97	100		
99	64.3	50.8	76.2
61	43.8	35.4	53.2

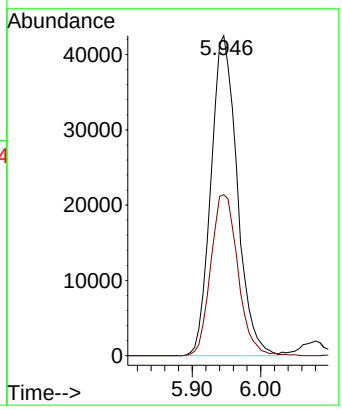




#33
1,2-Dichloroethane-d4
Concen: 50.183 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 65 Resp: 11281

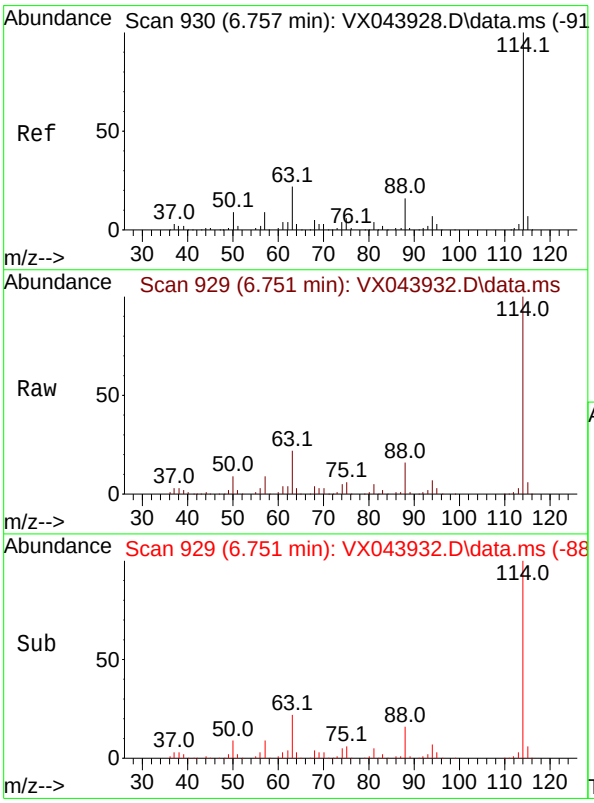
Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	100.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

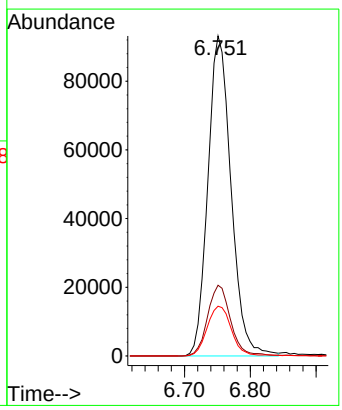
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

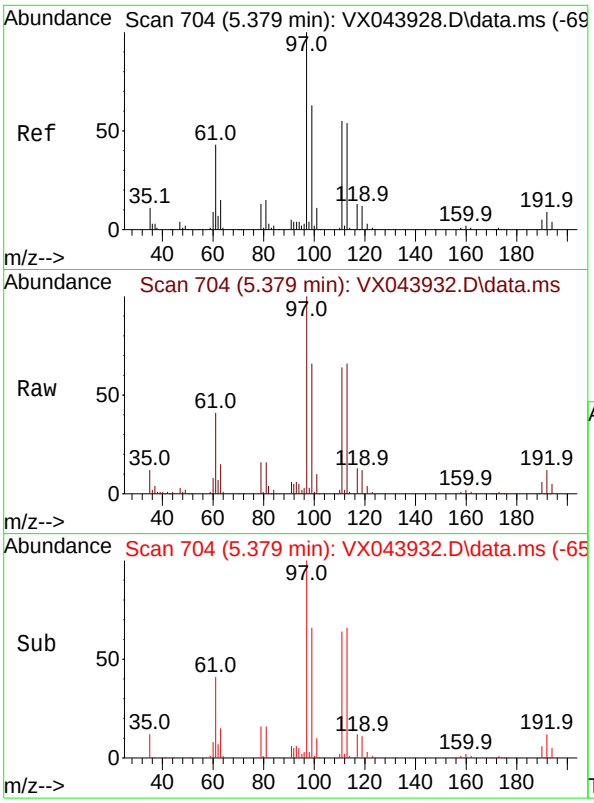


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:114 Resp: 229009

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	44.0
88	15.6	0.0	32.4

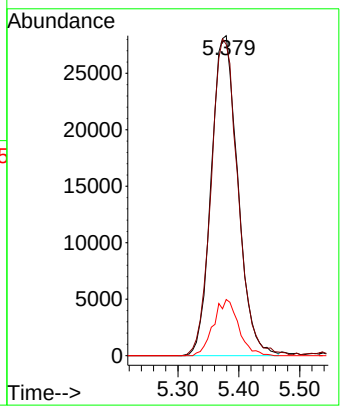




#35
Dibromofluoromethane
Concen: 52.442 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:113 Resp: 8581

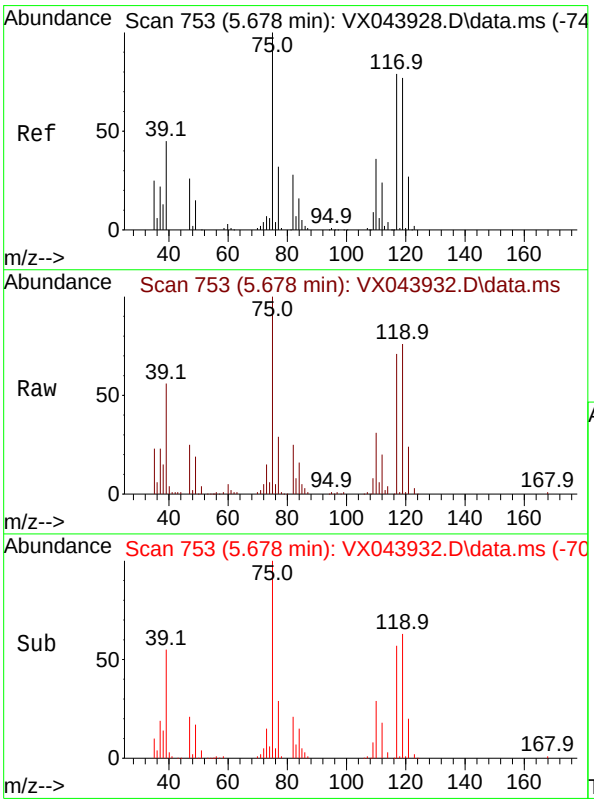
Ion	Ratio	Lower	Upper
113	100		
111	99.9	81.0	121.4
192	16.6	13.0	19.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

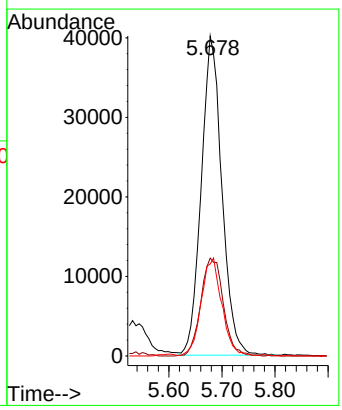
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

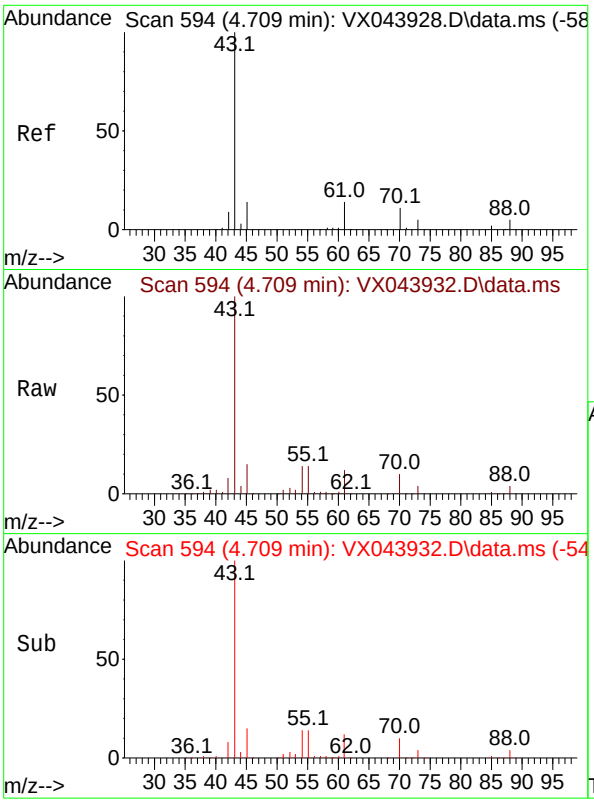


#36
1,1-Dichloropropene
Concen: 53.218 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 75 Resp: 108518

Ion	Ratio	Lower	Upper
75	100		
110	33.4	17.4	52.2
77	30.3	25.8	38.8

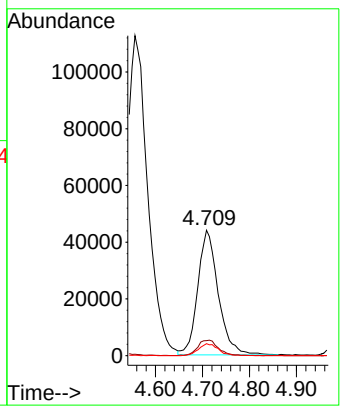




#37
Ethyl Acetate
Concen: 52.656 ug/l
RT: 4.709 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 43 Resp: 13328

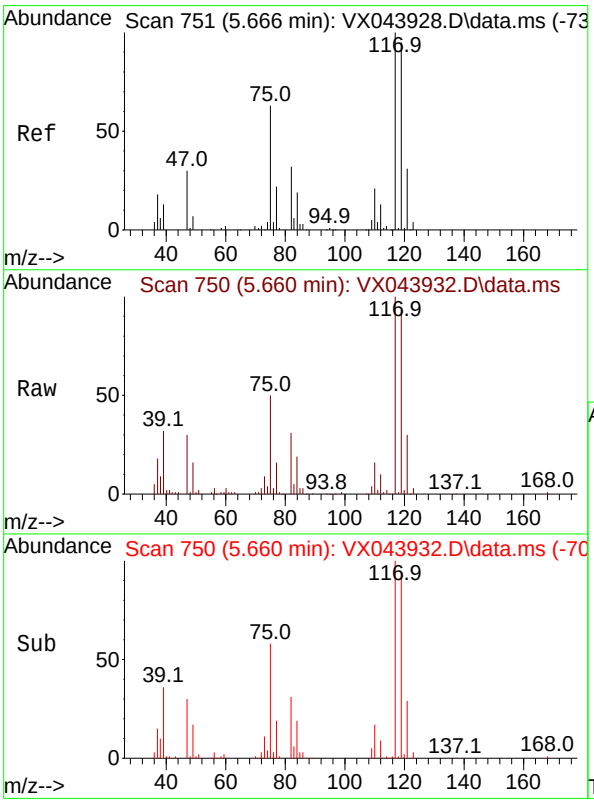
Ion	Ratio	Lower	Upper
43	100		
61	12.2	10.7	16.1
70	9.3	8.0	12.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

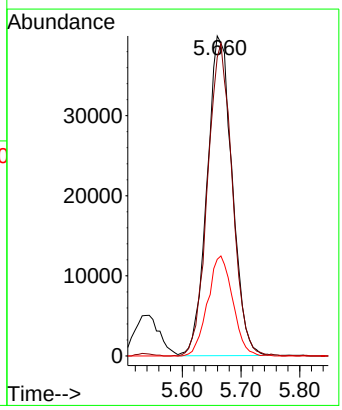
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

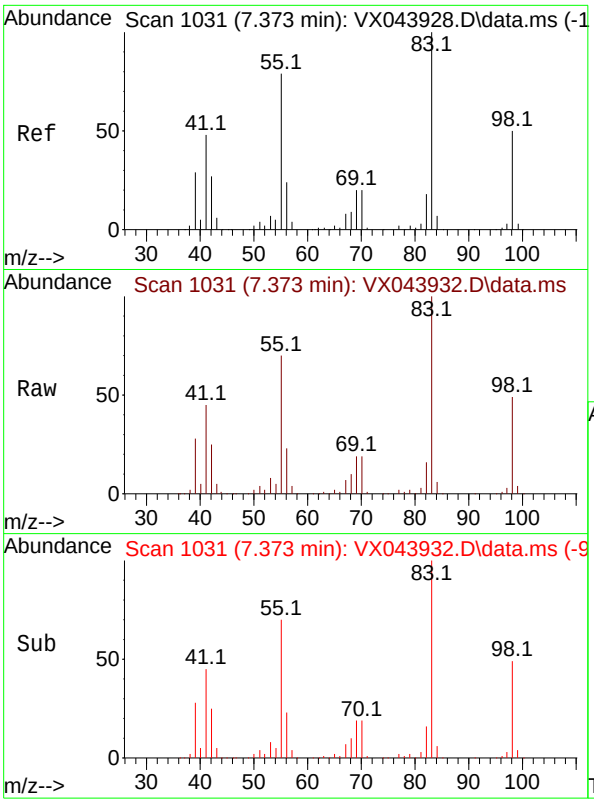


#38
Carbon Tetrachloride
Concen: 51.786 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:117 Resp: 118655

Ion	Ratio	Lower	Upper
117	100		
119	93.5	75.2	112.8
121	30.3	24.5	36.7

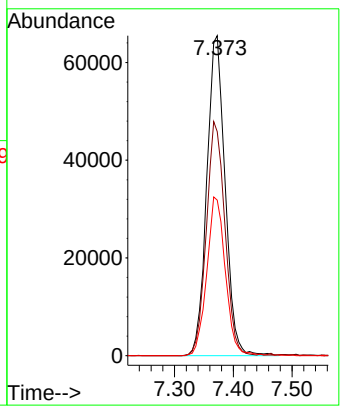




#39
Methylcyclohexane
Concen: 53.489 ug/l
RT: 7.373 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 83 Resp: 14169(

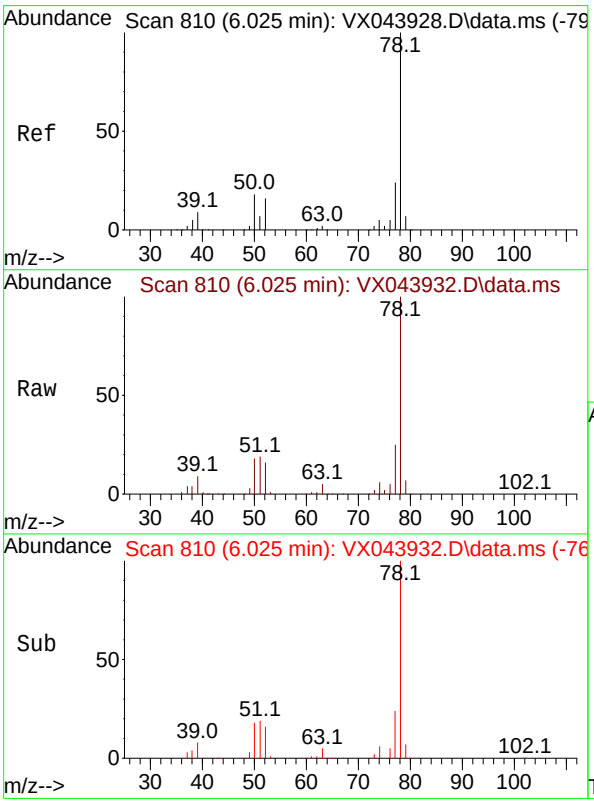
Ion	Ratio	Lower	Upper
83	100		
55	70.0	63.1	94.7
98	48.6	40.0	60.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

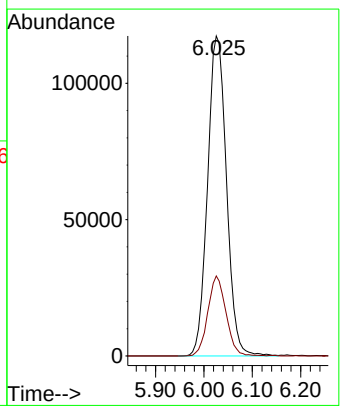
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

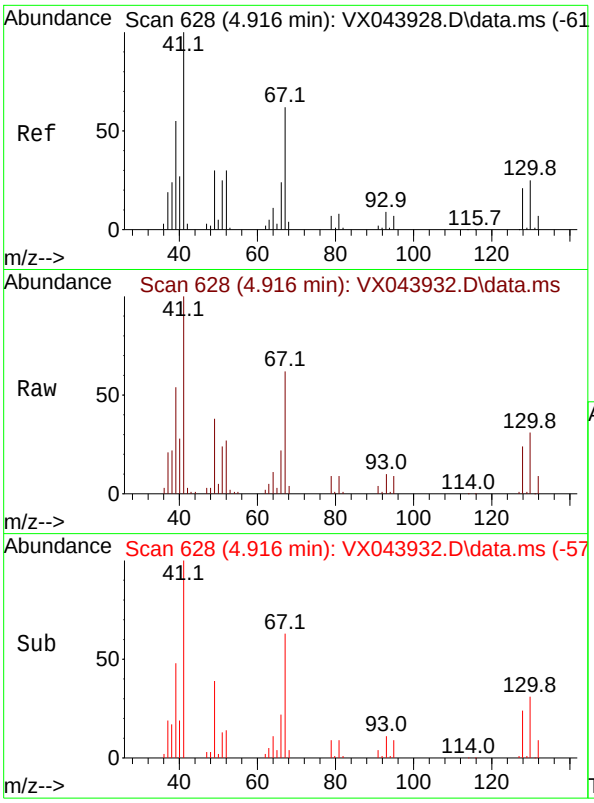


#40
Benzene
Concen: 50.257 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 78 Resp: 319222

Ion	Ratio	Lower	Upper
78	100		
77	25.0	19.2	28.8

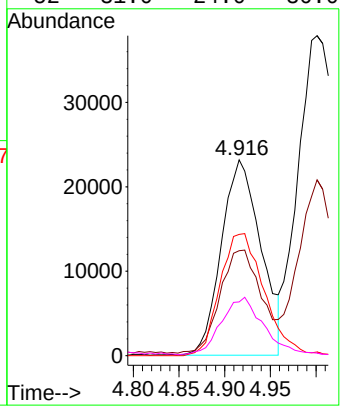




#41
Methacrylonitrile
Concen: 53.851 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 41 Resp: 6976

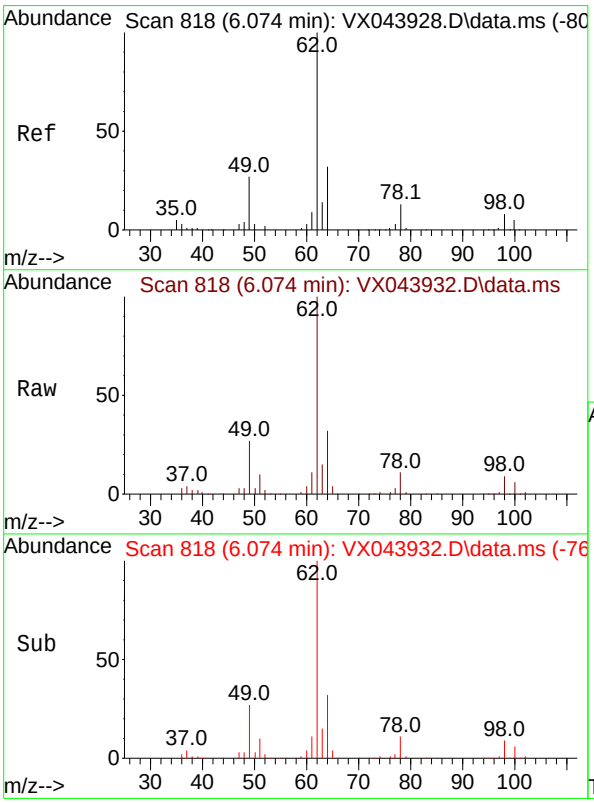
Ion	Ratio	Lower	Upper
41	100		
39	53.2	41.7	62.5
67	70.1	55.8	83.8
52	31.0	24.0	36.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

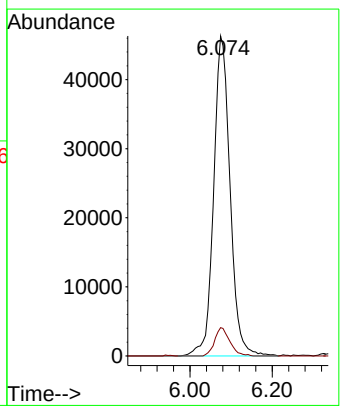
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

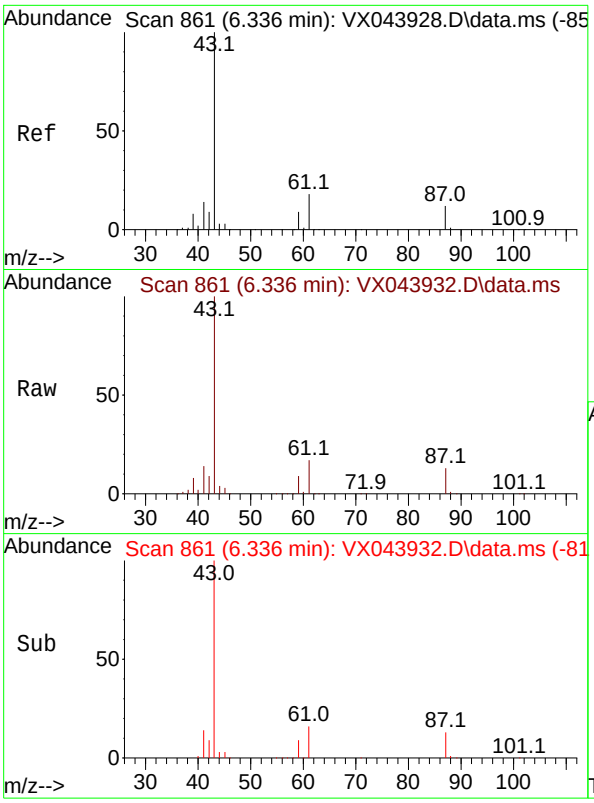


#42
1,2-Dichloroethane
Concen: 50.421 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 62 Resp: 128623

Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.4





#43
Isopropyl Acetate
Concen: 51.469 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

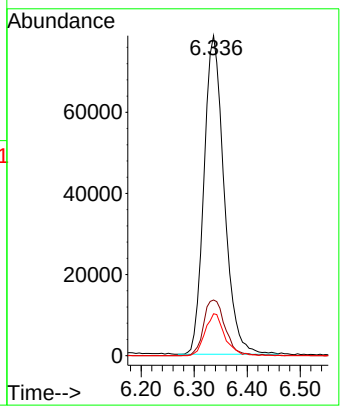
Tgt Ion: 43 Resp: 20733

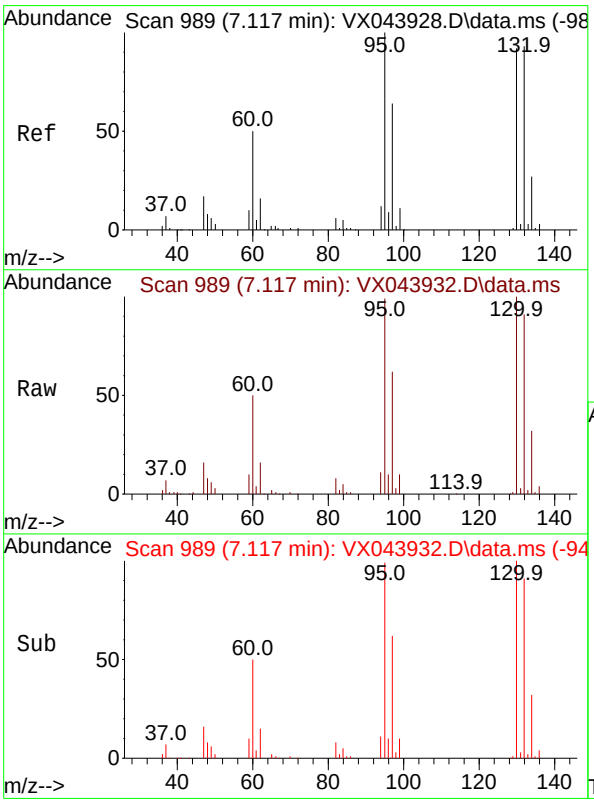
Ion	Ratio	Lower	Upper
43	100		
61	18.6	14.5	21.7
87	12.9	10.2	15.2

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

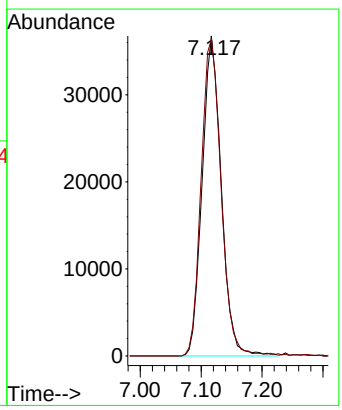


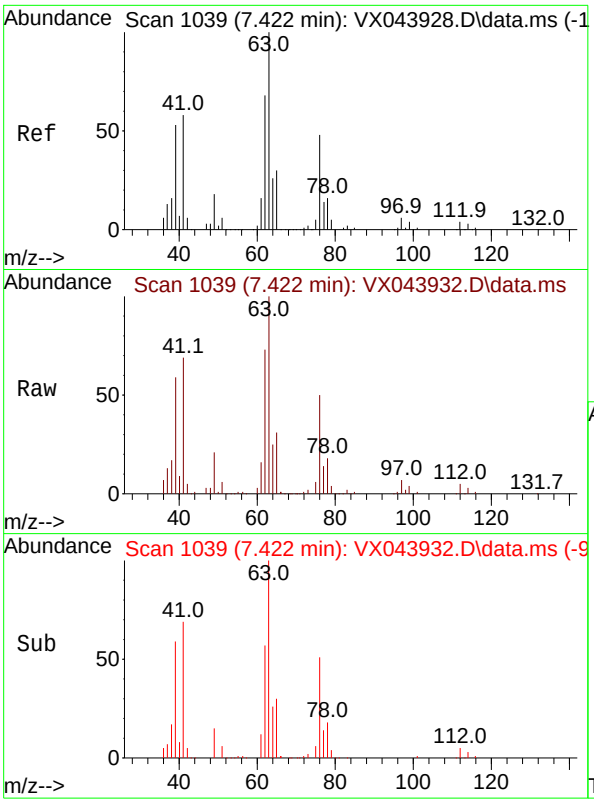


#44
Trichloroethene
Concen: 44.554 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:130 Resp: 80113

Ion	Ratio	Lower	Upper
130	100		
95	98.9	0.0	217.8





#45
1,2-Dichloropropane
Concen: 47.811 ug/l
RT: 7.422 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

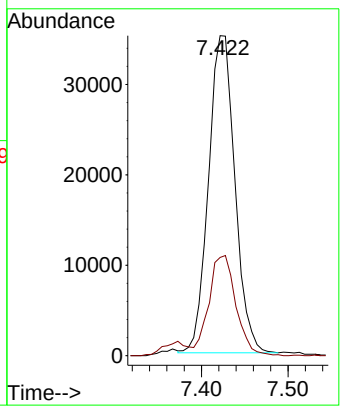
Tgt Ion: 63 Resp: 7438(

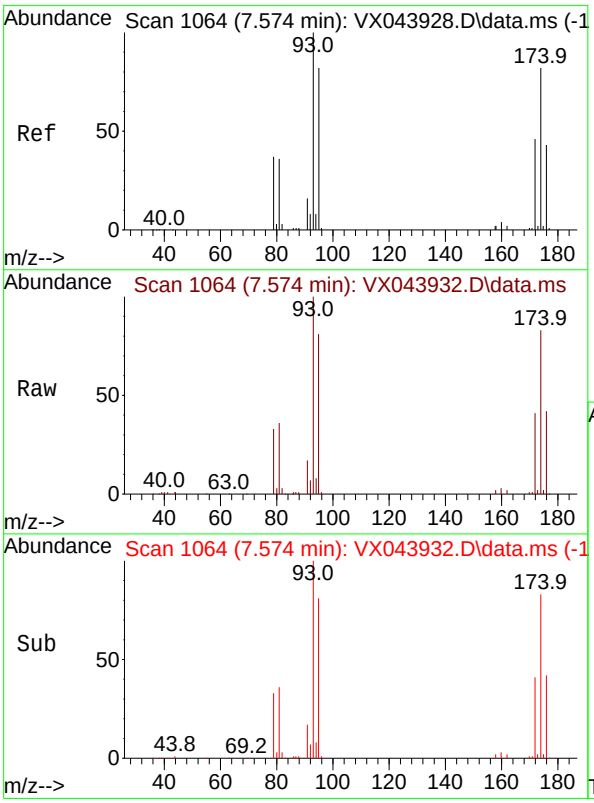
Ion	Ratio	Lower	Upper
63	100		
65	30.7	23.8	35.6

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

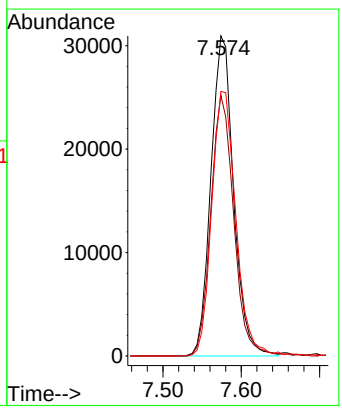


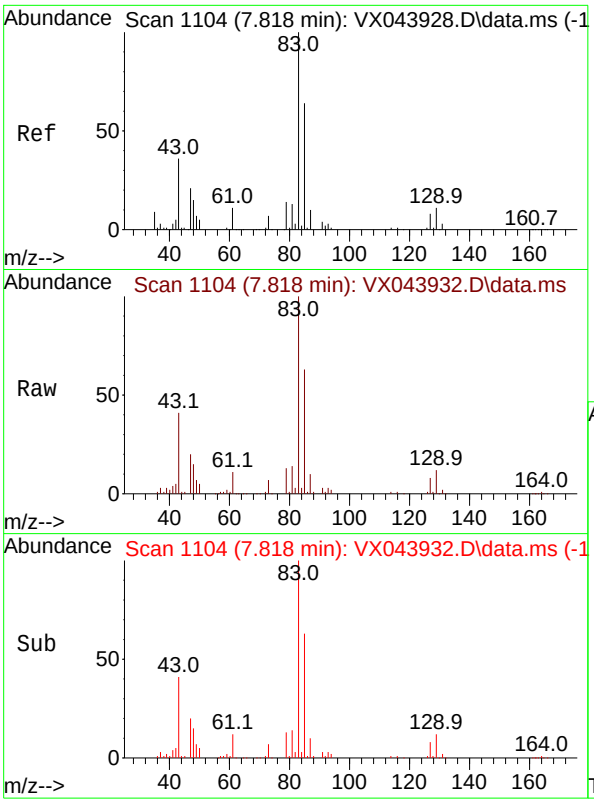


#46
Dibromomethane
Concen: 50.662 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 93 Resp: 62345

Ion	Ratio	Lower	Upper
93	100		
95	82.5	66.2	99.4
174	88.2	69.6	104.4

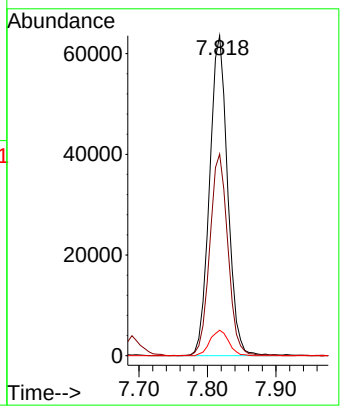




#47
Bromodichloromethane
Concen: 52.648 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 83 Resp: 116199

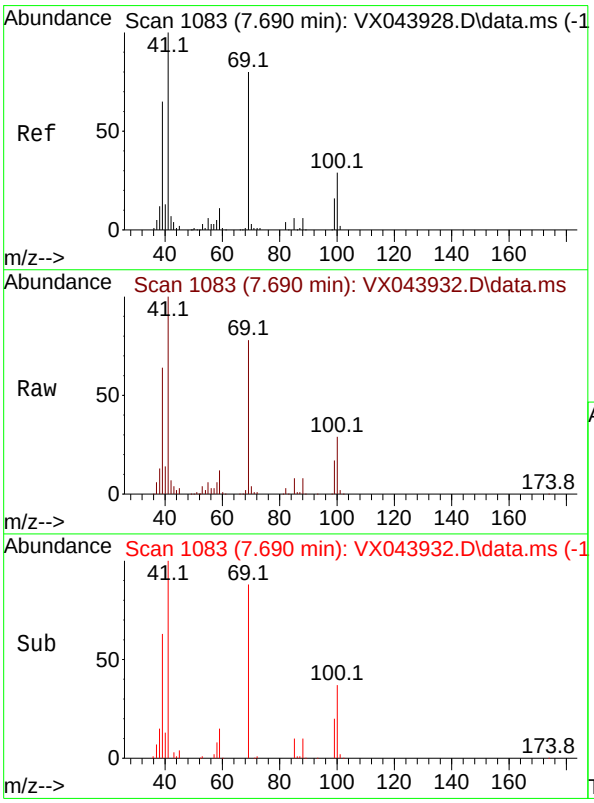
Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.4	77.0
127	8.0	6.6	10.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

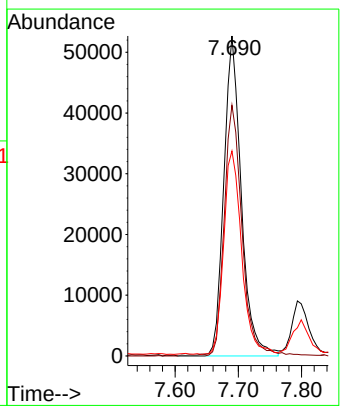
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

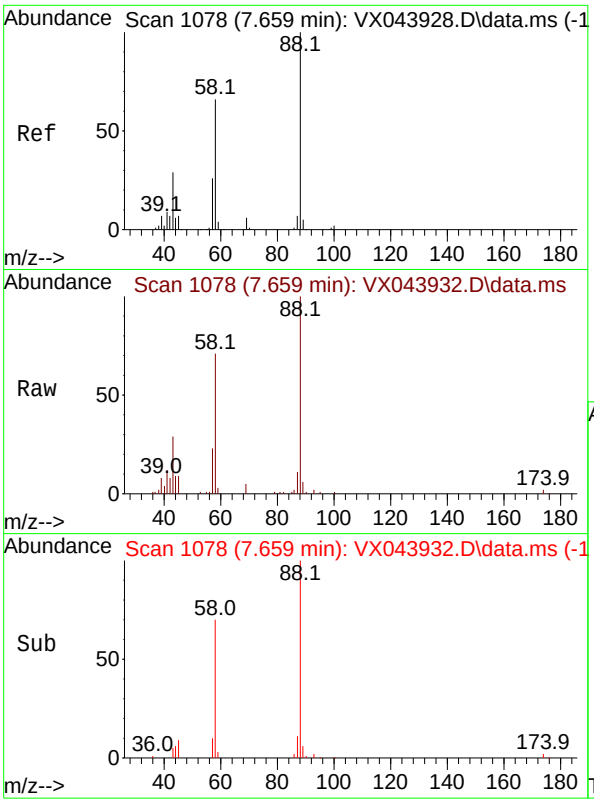


#48
Methyl methacrylate
Concen: 52.284 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 41 Resp: 101062

Ion	Ratio	Lower	Upper
41	100		
69	80.0	64.6	97.0
39	65.2	53.3	79.9

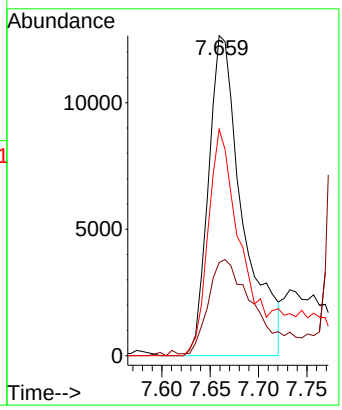




#49
1,4-Dioxane
Concen: 905.506 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 88 Resp: 3117

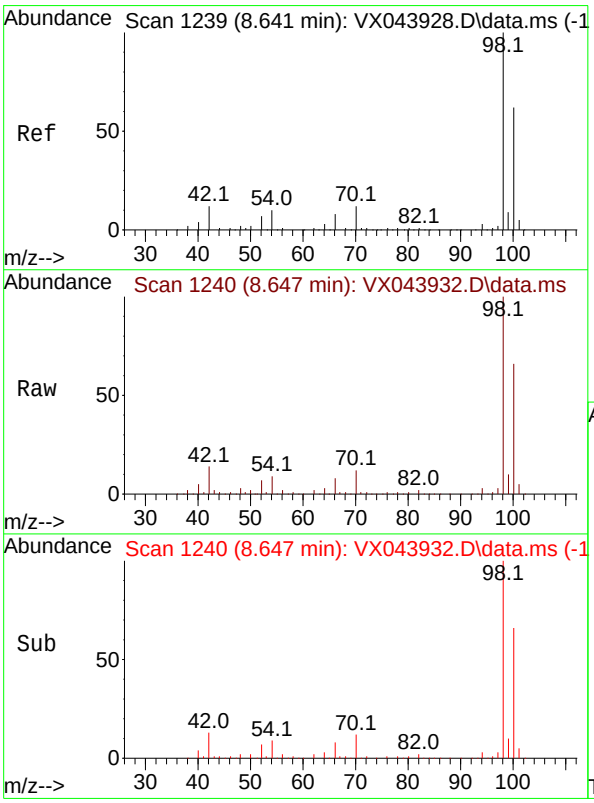
Ion	Ratio	Lower	Upper
88	100		
43	39.9	26.8	40.2
58	68.3	45.4	68.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

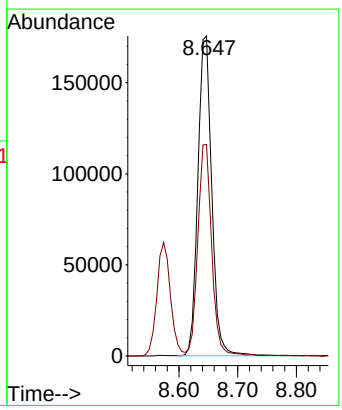
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

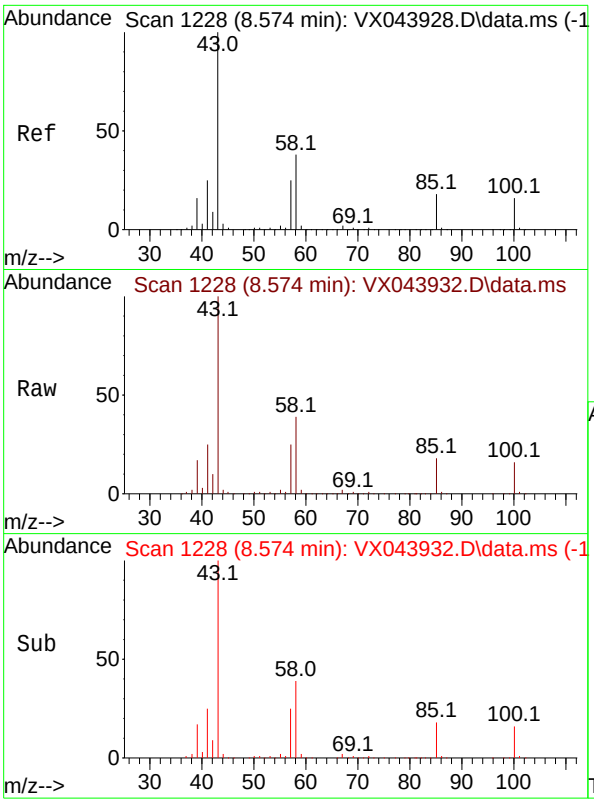


#50
Toluene-d8
Concen: 51.234 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 98 Resp: 289000

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.6	79.0





#51
4-Methyl-2-Pentanone
Concen: 265.520 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

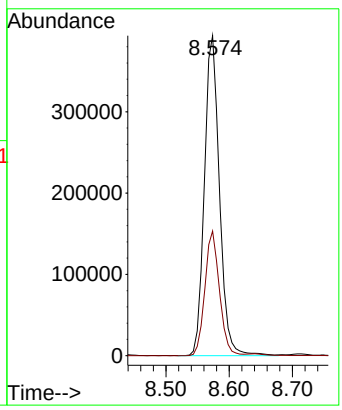
Tgt Ion: 43 Resp: 65272

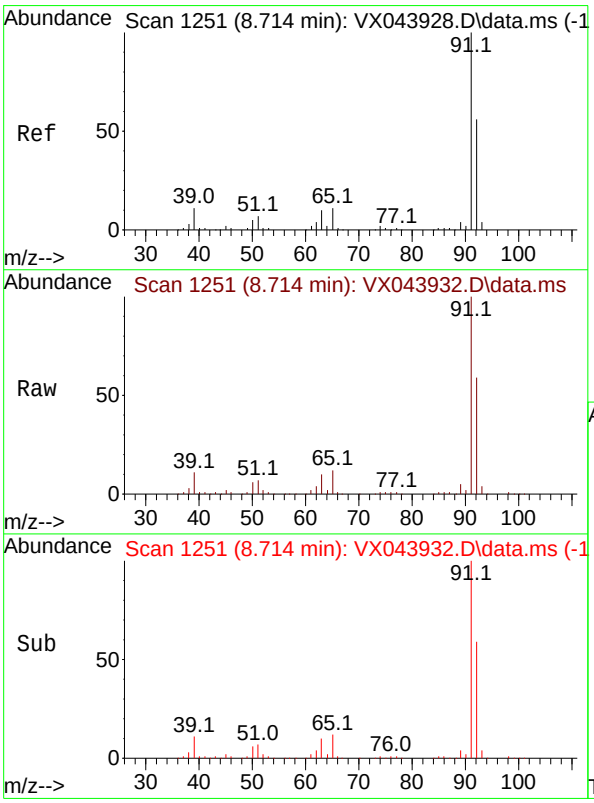
Ion	Ratio	Lower	Upper
43	100		
58	37.6	30.0	45.0

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

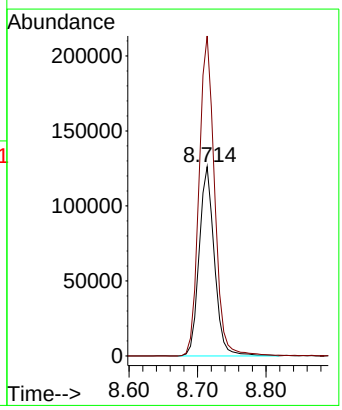


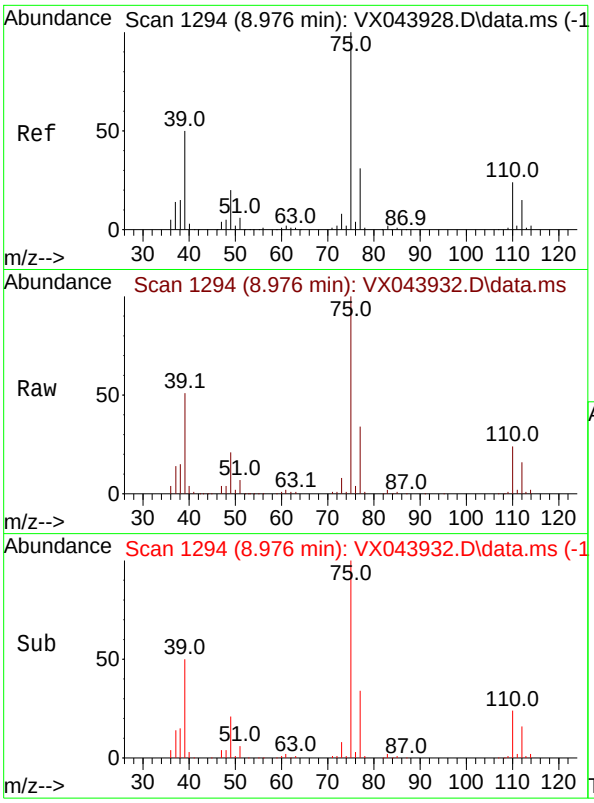


#52
Toluene
Concen: 51.507 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 92 Resp: 195814

Ion	Ratio	Lower	Upper
92	100		
91	172.4	139.7	209.5

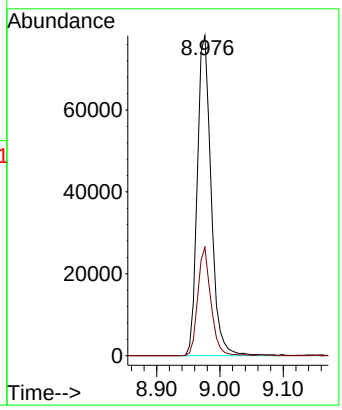




#53
t-1,3-Dichloropropene
Concen: 53.077 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 75 Resp: 11946

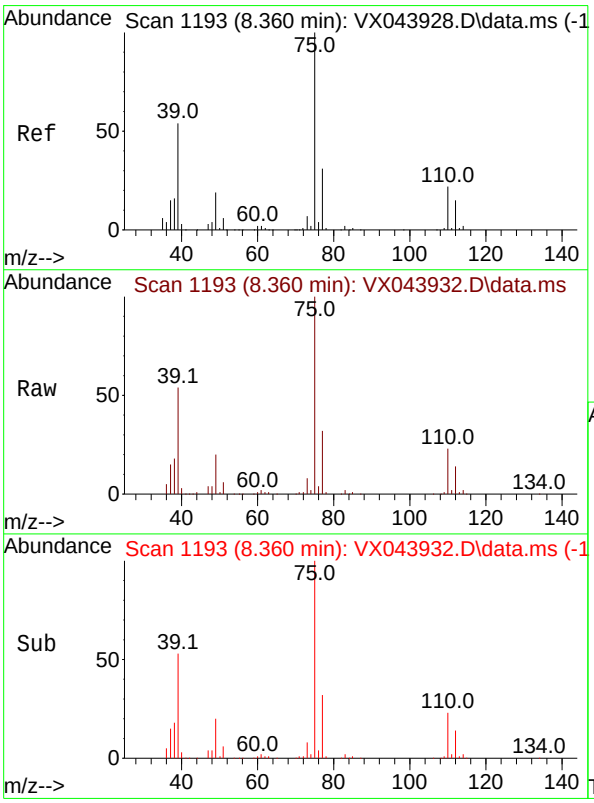
Ion	Ratio	Lower	Upper
75	100		
77	33.9	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

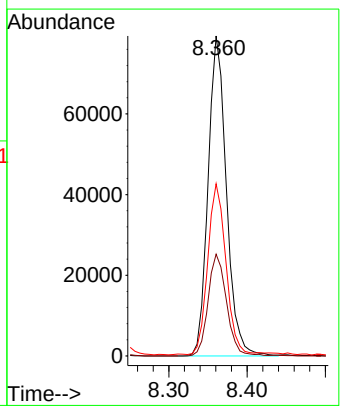
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

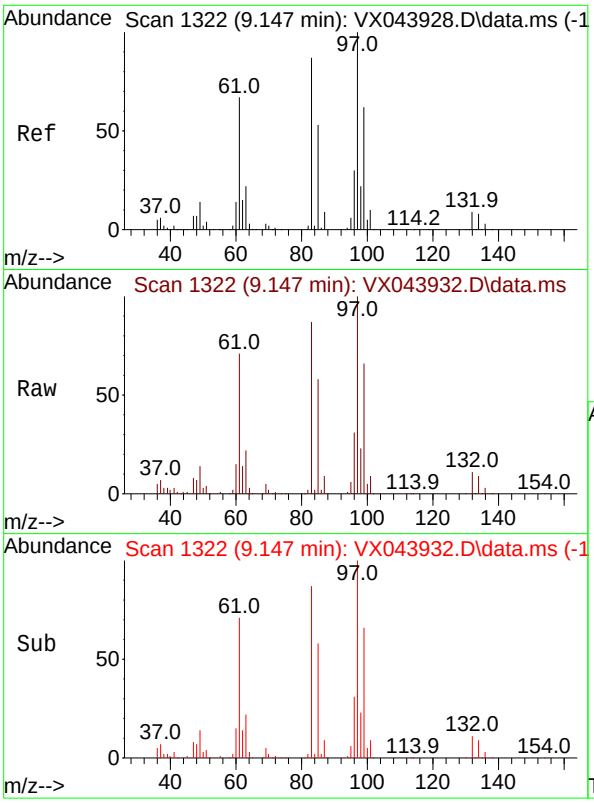


#54
cis-1,3-Dichloropropene
Concen: 52.205 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 75 Resp: 128808

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.2	37.8
39	53.2	43.1	64.7

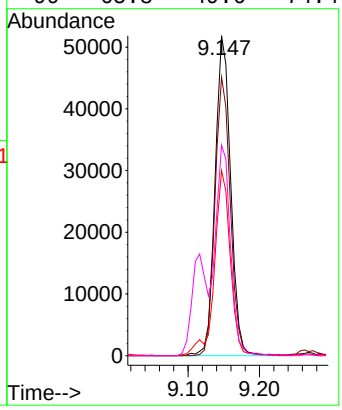




#55
1,1,2-Trichloroethane
Concen: 50.069 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 97 Resp: 7857

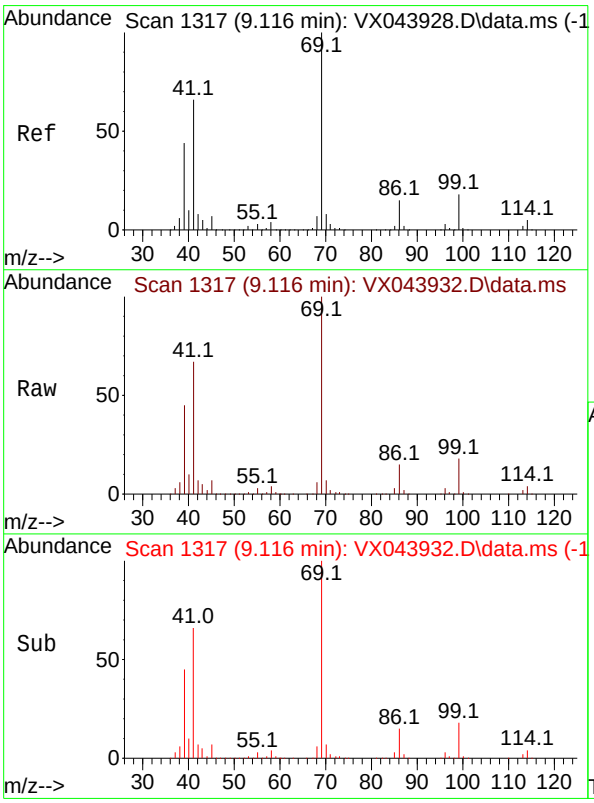
Ion	Ratio	Lower	Upper
97	100		
83	87.0	69.4	104.0
85	57.7	42.3	63.5
99	65.8	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

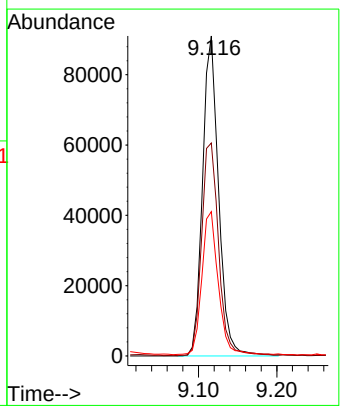
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

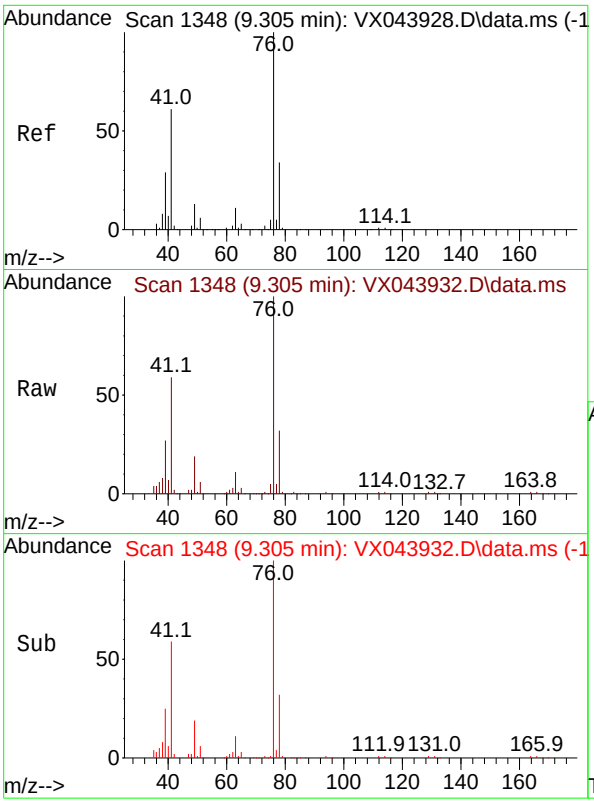


#56
Ethyl methacrylate
Concen: 53.118 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 69 Resp: 129841

Ion	Ratio	Lower	Upper
69	100		
41	69.8	55.8	83.8
39	46.1	36.7	55.1





#57
1,3-Dichloropropane
Concen: 50.945 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

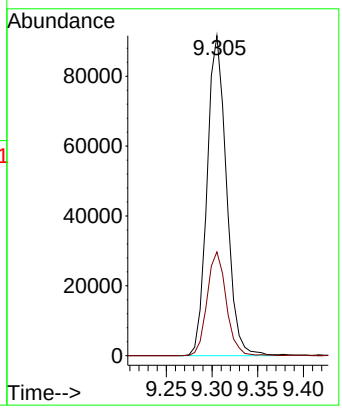
Tgt Ion: 76 Resp: 13468

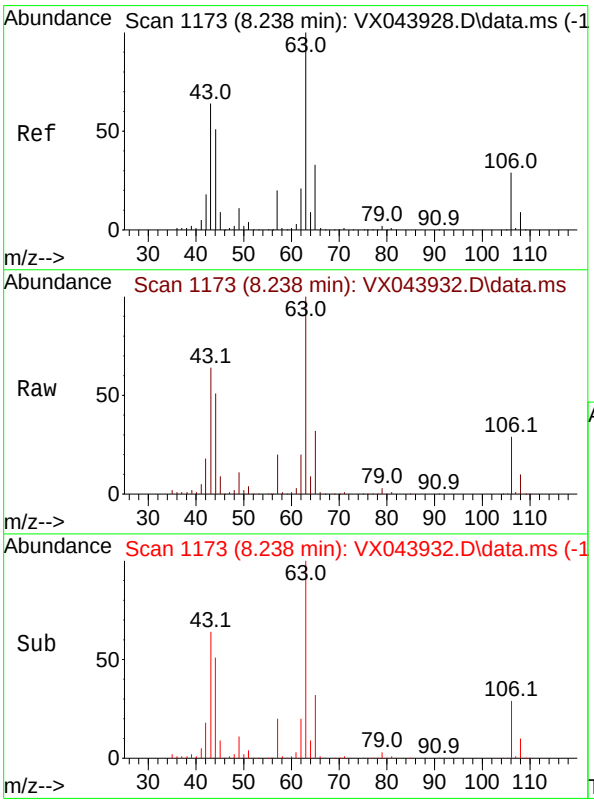
Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.0	39.0

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

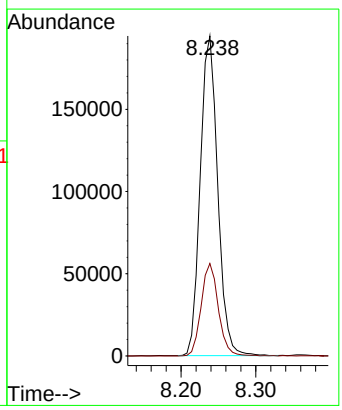


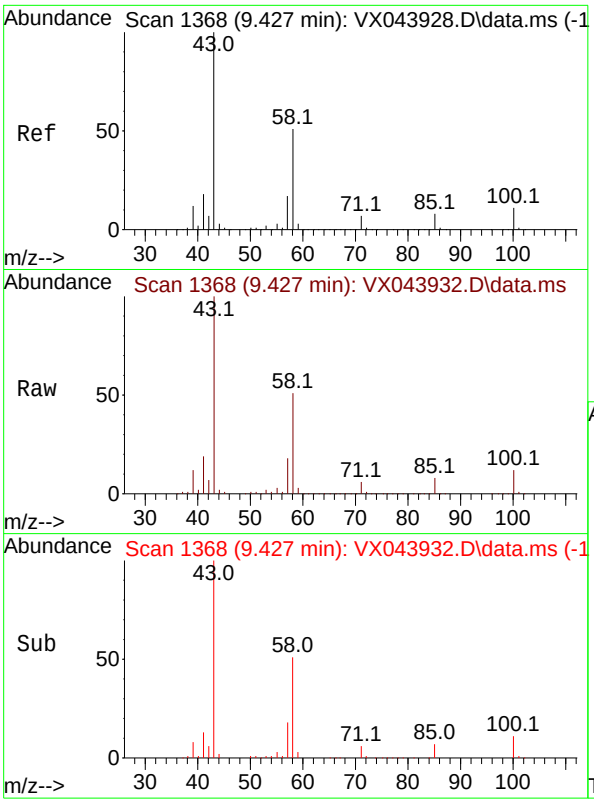


#58
2-Chloroethyl Vinyl ether
Concen: 235.230 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 63 Resp: 315358

Ion	Ratio	Lower	Upper
63	100		
106	28.4	23.0	34.6





#59
2-Hexanone
Concen: 273.011 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

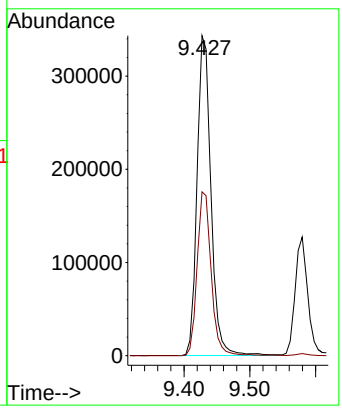
Tgt Ion: 43 Resp: 50444

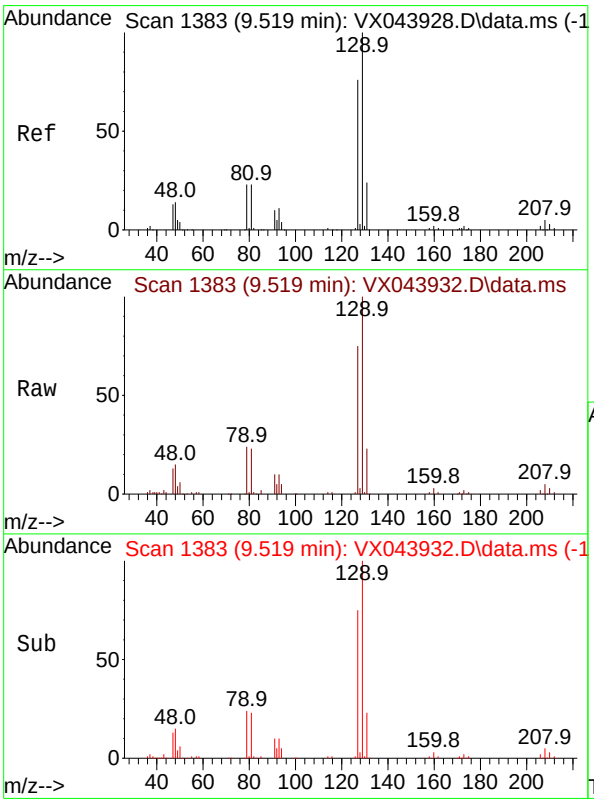
Ion	Ratio	Lower	Upper
43	100		
58	51.8	25.9	77.6

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

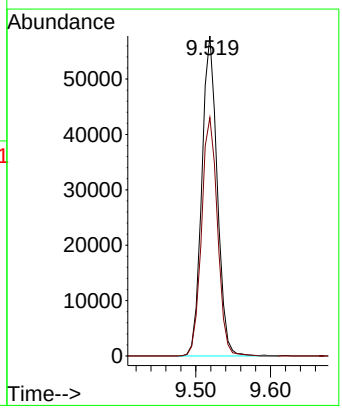


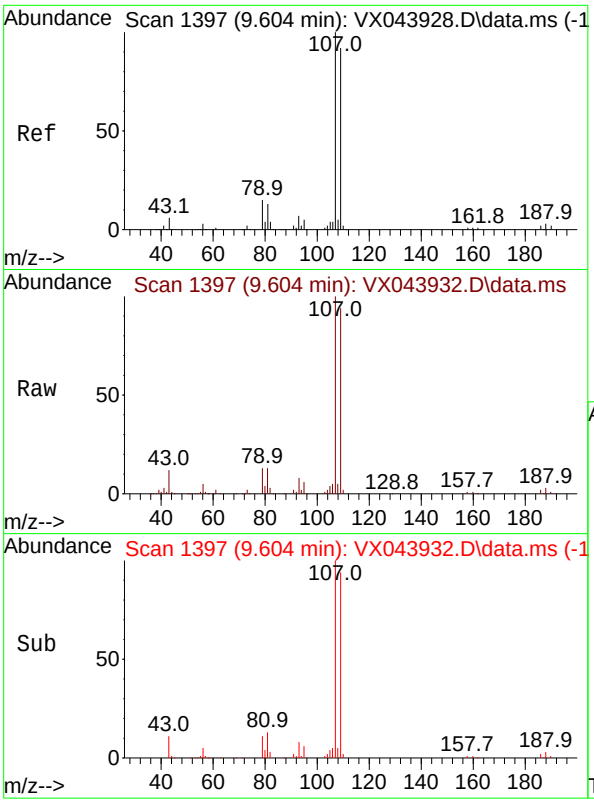


#60
Dibromochloromethane
Concen: 52.557 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:129 Resp: 82754

Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.2	114.6





#61
1,2-Dibromoethane
Concen: 52.367 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

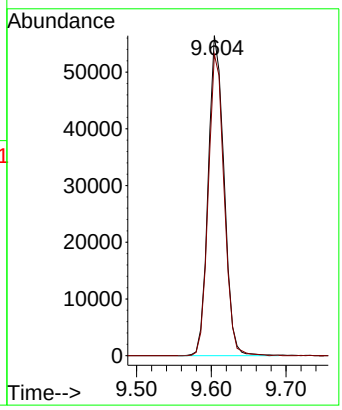
Tgt Ion:107 Resp: 8309

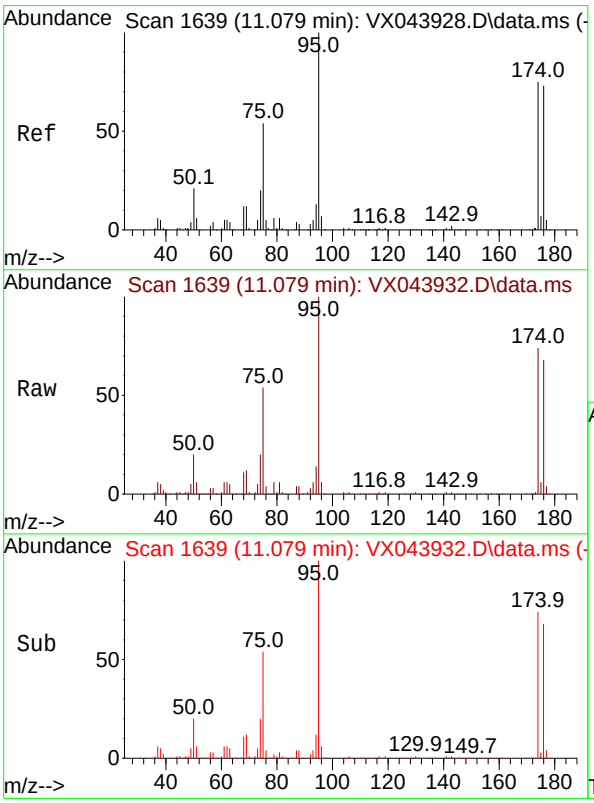
Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.2	112.8

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

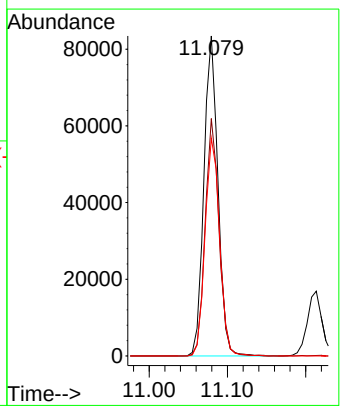


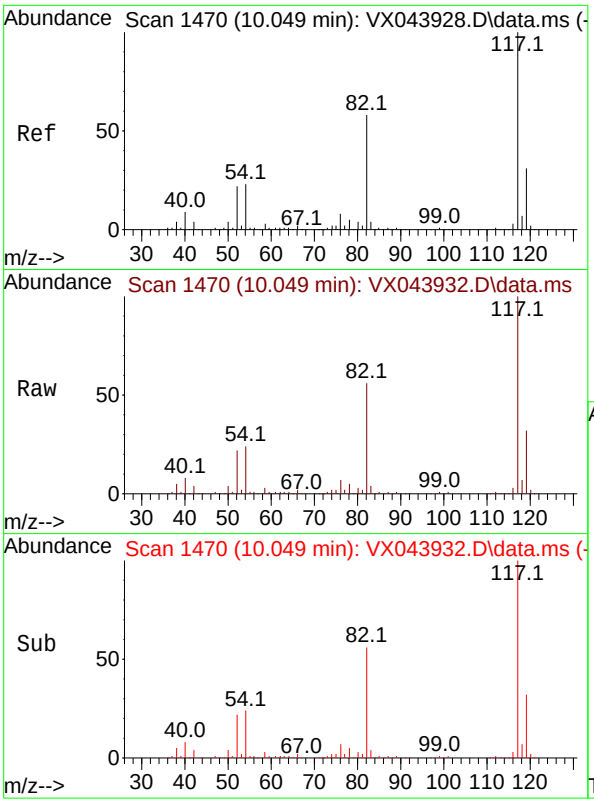


#62
4-Bromofluorobenzene
Concen: 53.987 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 95 Resp: 103640

Ion	Ratio	Lower	Upper
95	100		
174	73.0	0.0	150.4
176	70.5	0.0	146.0

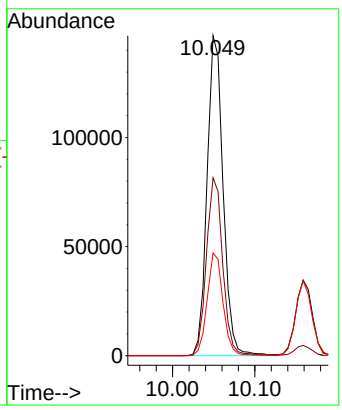




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:117 Resp: 19877

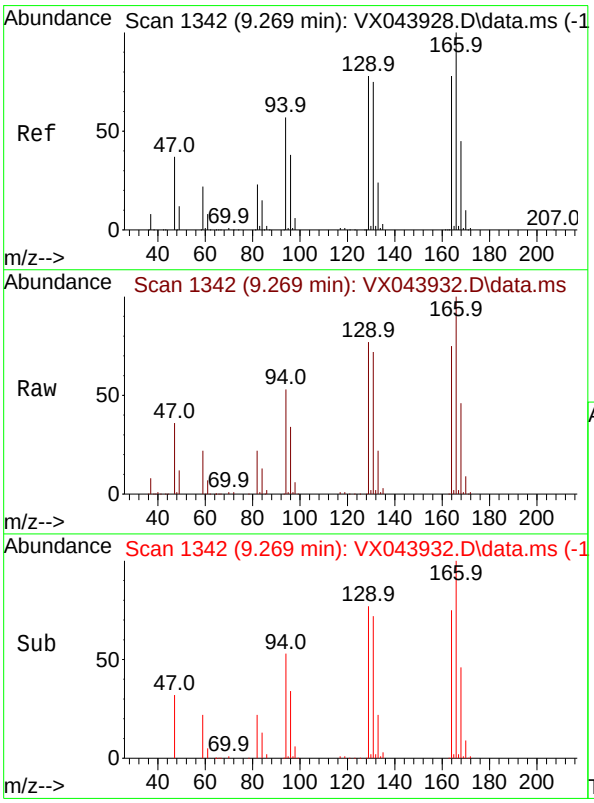
Ion	Ratio	Lower	Upper
117	100		
82	55.6	46.4	69.6
119	32.1	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

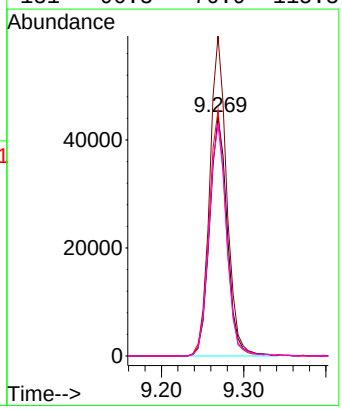
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

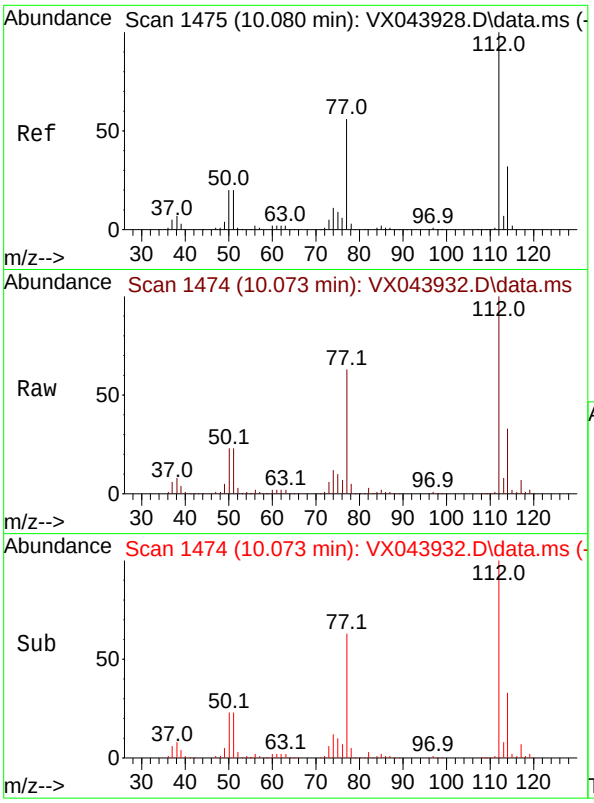


#64
Tetrachloroethene
Concen: 50.396 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:164 Resp: 66054

Ion	Ratio	Lower	Upper
164	100		
166	133.9	102.1	153.1
129	102.7	79.6	119.4
131	96.3	76.9	115.3

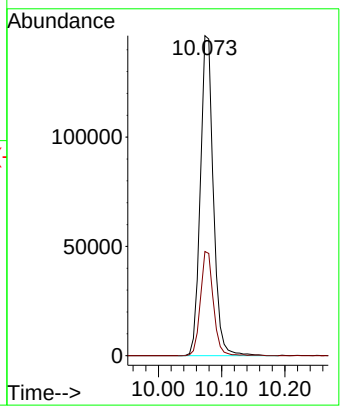




#65
Chlorobenzene
Concen: 48.094 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:112 Resp: 20996

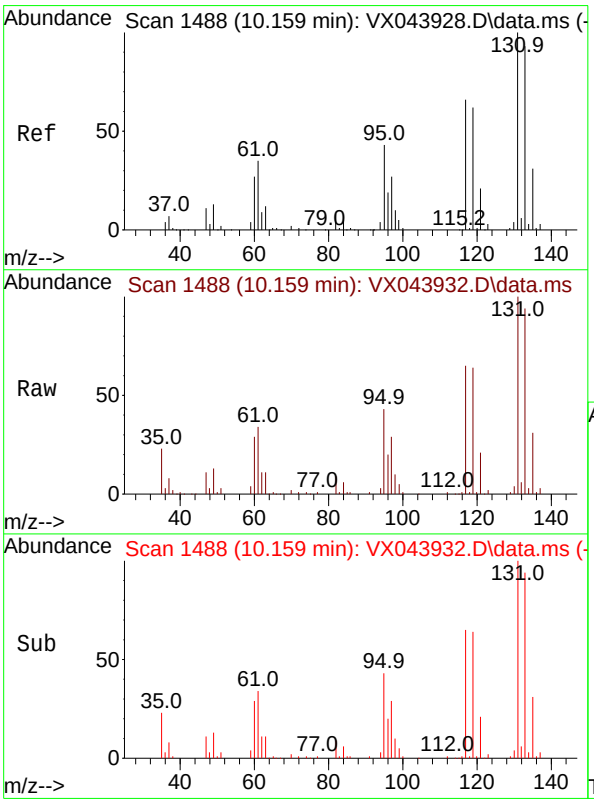
Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

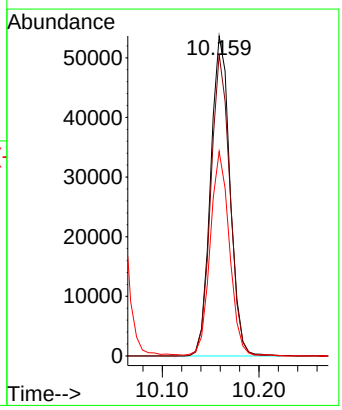
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

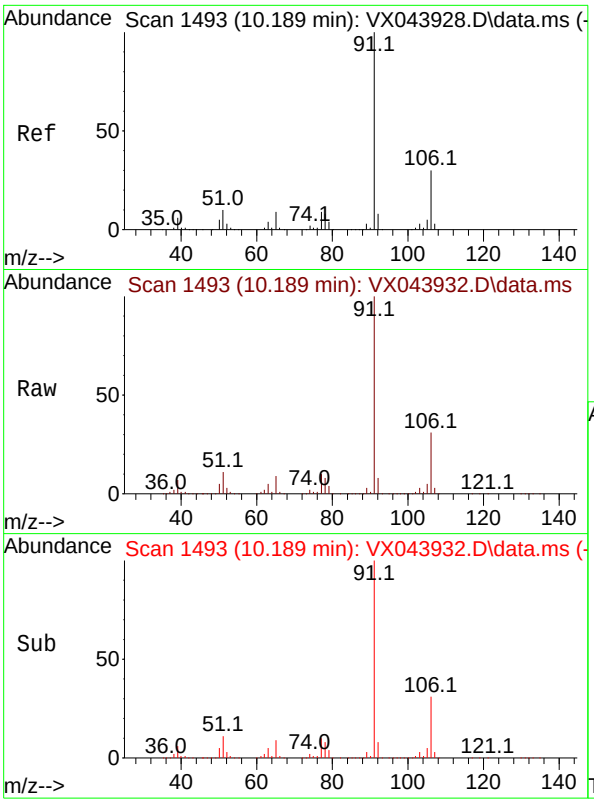


#66
1,1,1,2-Tetrachloroethane
Concen: 52.515 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:131 Resp: 74354

Ion	Ratio	Lower	Upper
131	100		
133	92.9	48.2	144.6
119	63.5	31.5	94.5





#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

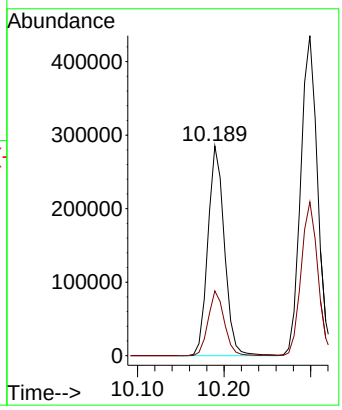
Tgt Ion: 91 Resp: 37721

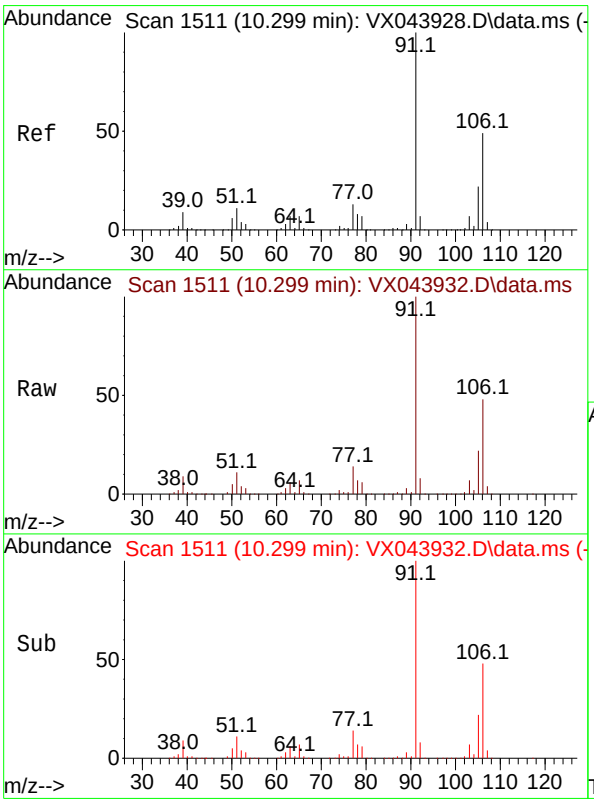
Ion	Ratio	Lower	Upper
91	100		
106	30.9	23.6	35.4

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

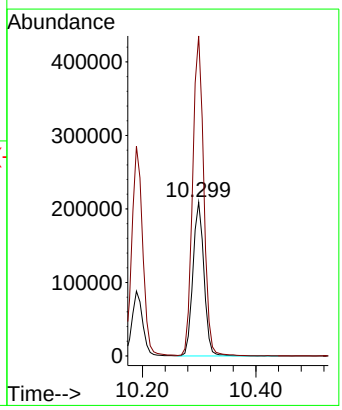


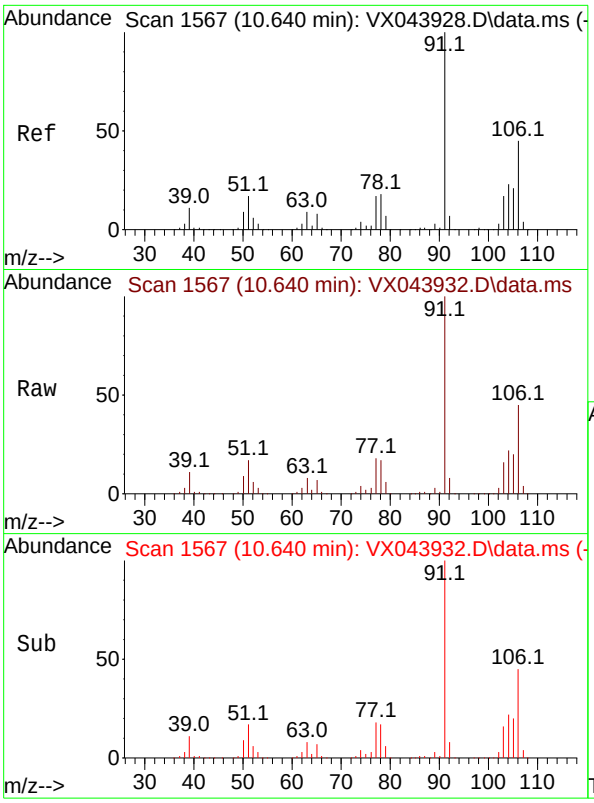


#68
m/p-Xylenes
Concen: 102.572 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:106 Resp: 282971

Ion	Ratio	Lower	Upper
106	100		
91	208.6	168.1	252.1

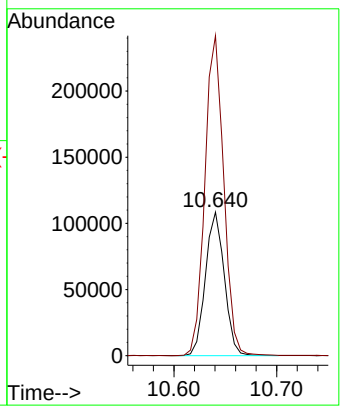




#69
o-Xylene
Concen: 51.396 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:106 Resp: 13843

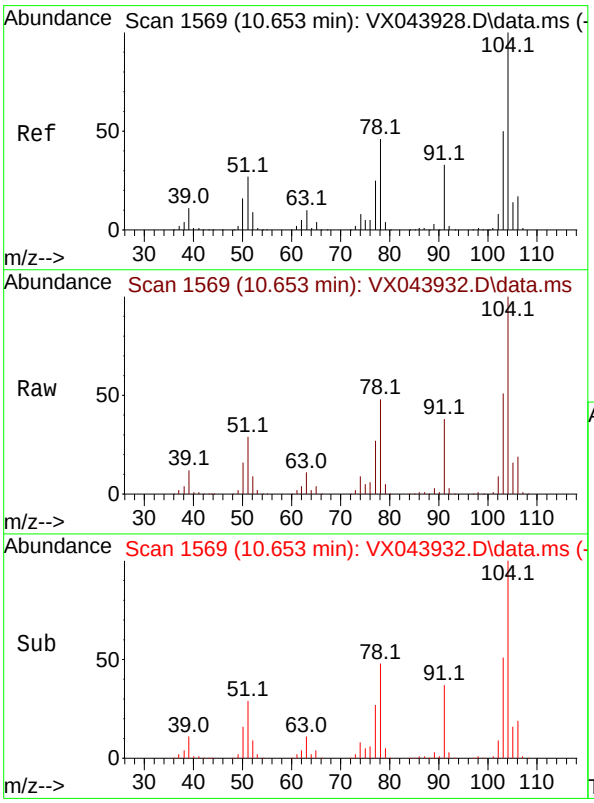
Ion	Ratio	Lower	Upper
106	100		
91	223.5	110.2	330.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

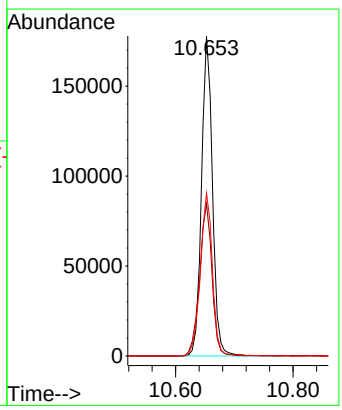
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

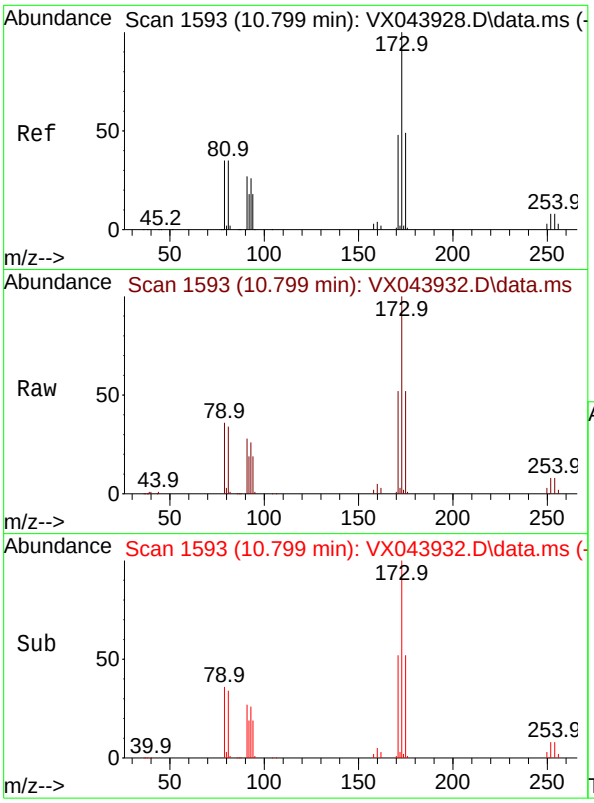


#70
Styrene
Concen: 51.728 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:104 Resp: 230449

Ion	Ratio	Lower	Upper
104	100		
78	53.9	42.2	63.2
103	56.0	44.7	67.1

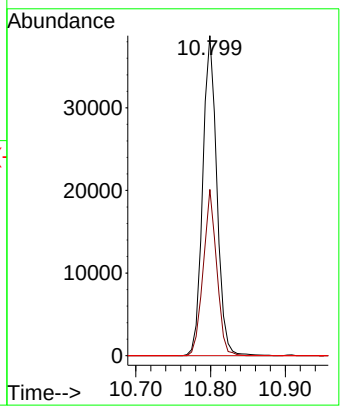




#71
Bromoform
Concen: 47.449 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:173 Resp: 5083

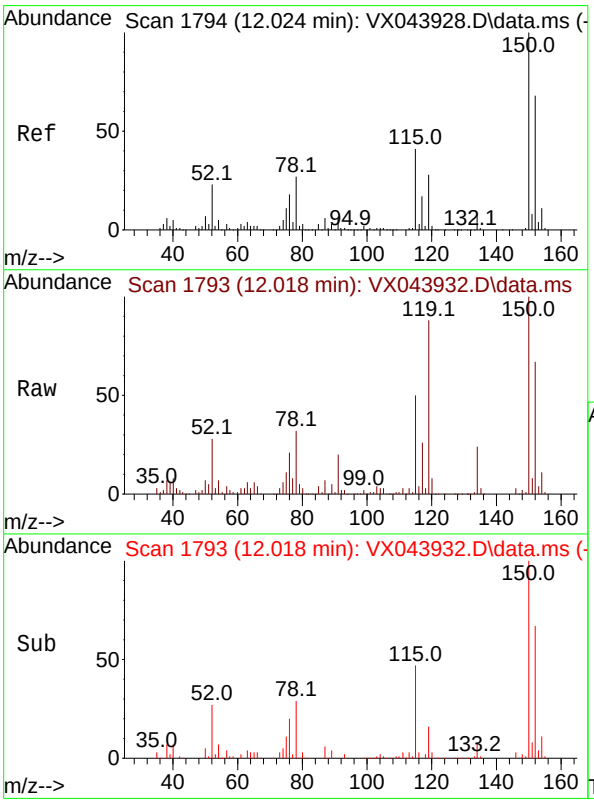
Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.1	72.2
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

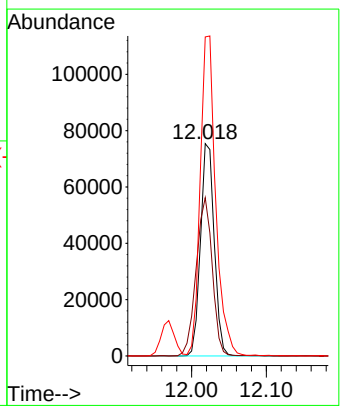
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

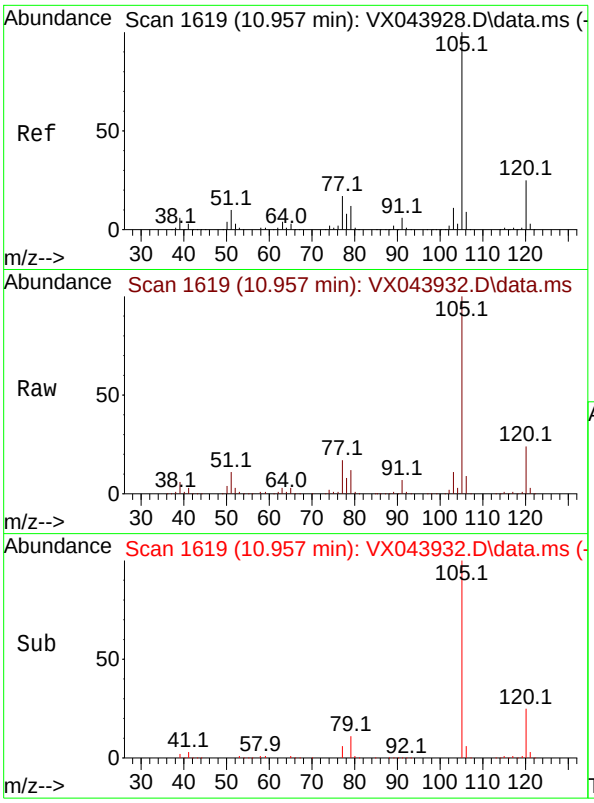


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:152 Resp: 96489

Ion	Ratio	Lower	Upper
152	100		
115	87.3	45.4	136.2
150	169.5	0.0	353.0

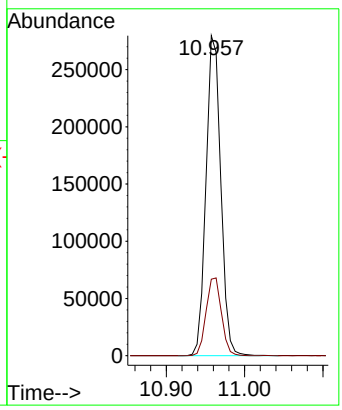




#73
Isopropylbenzene
Concen: 49.222 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:105 Resp: 36508

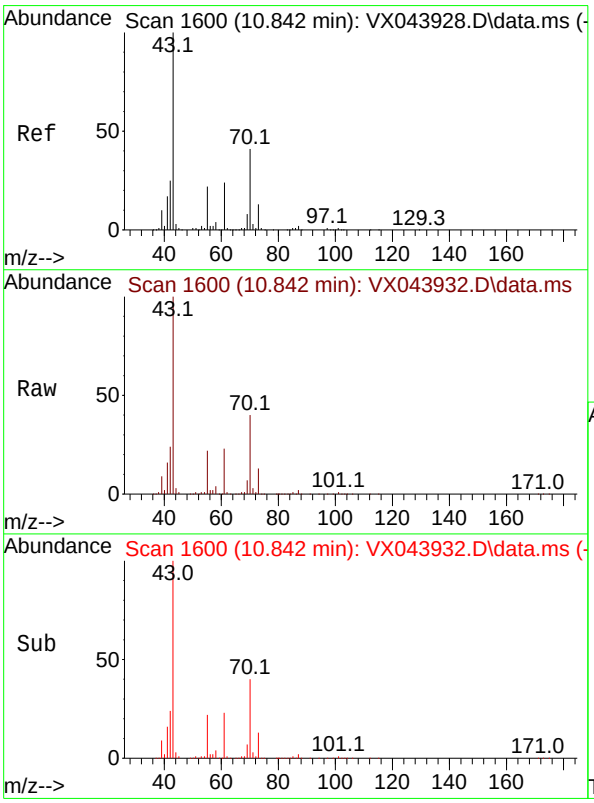
Ion	Ratio	Lower	Upper
105	100		
120	25.3	13.0	38.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

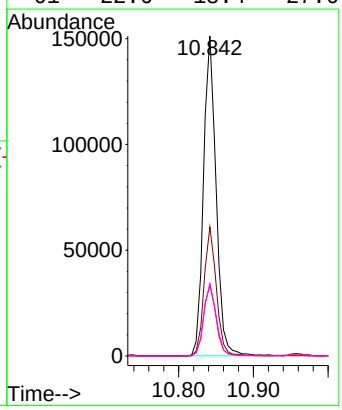
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

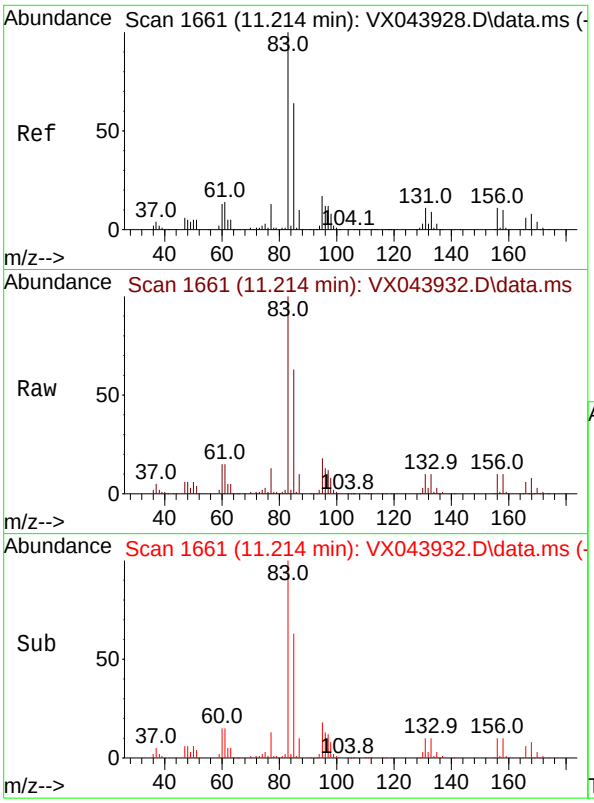


#74
N-amyl acetate
Concen: 51.406 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 43 Resp: 176627

Ion	Ratio	Lower	Upper
43	100		
70	39.7	32.2	48.2
55	22.4	18.1	27.1
61	22.6	18.4	27.6





#75
1,1,2,2-Tetrachloroethane
Concen: 49.356 ug/l
RT: 11.214 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

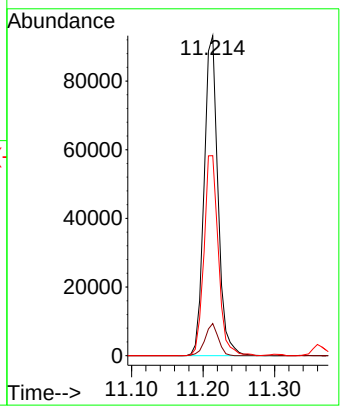
Tgt Ion: 83 Resp: 12534

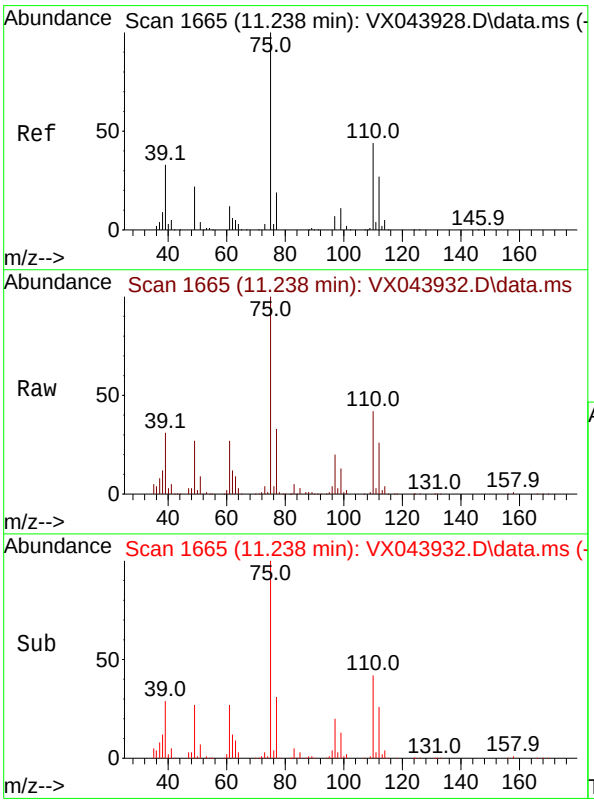
Ion	Ratio	Lower	Upper
83	100		
131	9.6	5.1	15.2
85	64.9	32.2	96.6

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

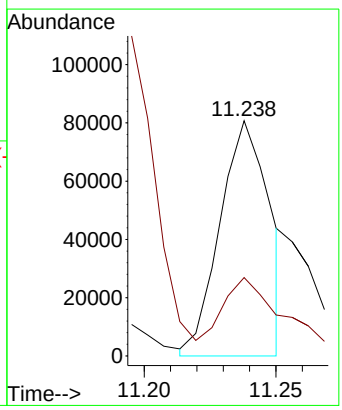


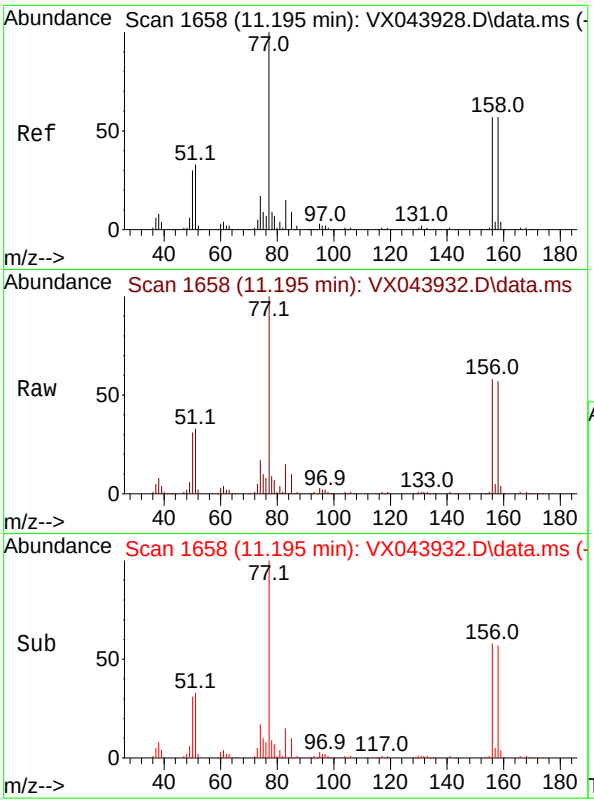


#76
1,2,3-Trichloropropane
Concen: 49.973 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 75 Resp: 105742

Ion	Ratio	Lower	Upper
75	100		
77	42.7	21.8	65.3





#77
Bromobenzene
Concen: 48.081 ug/l
RT: 11.195 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

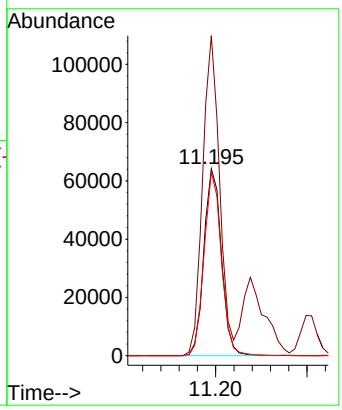
Tgt Ion:156 Resp: 8507(

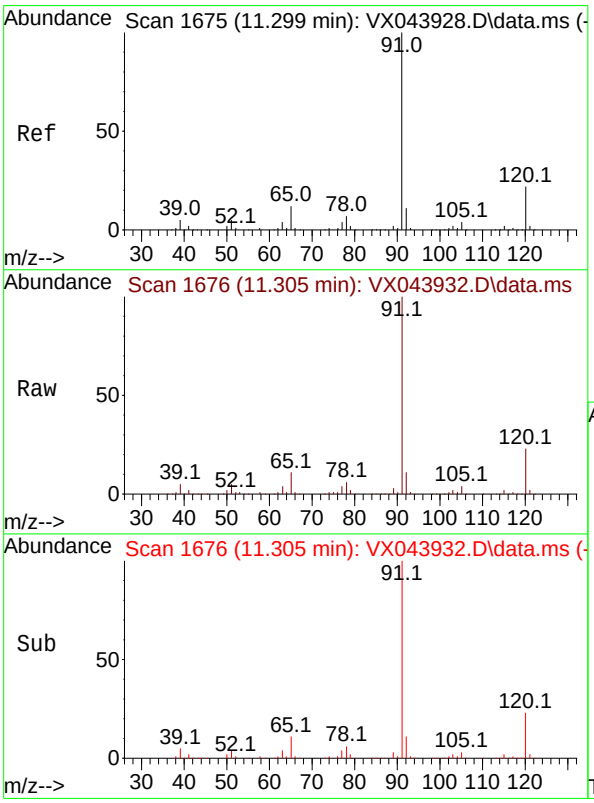
Ion	Ratio	Lower	Upper
156	100		
77	165.4	83.4	250.1
158	96.9	47.6	142.8

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

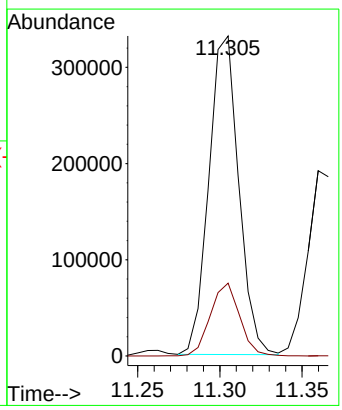


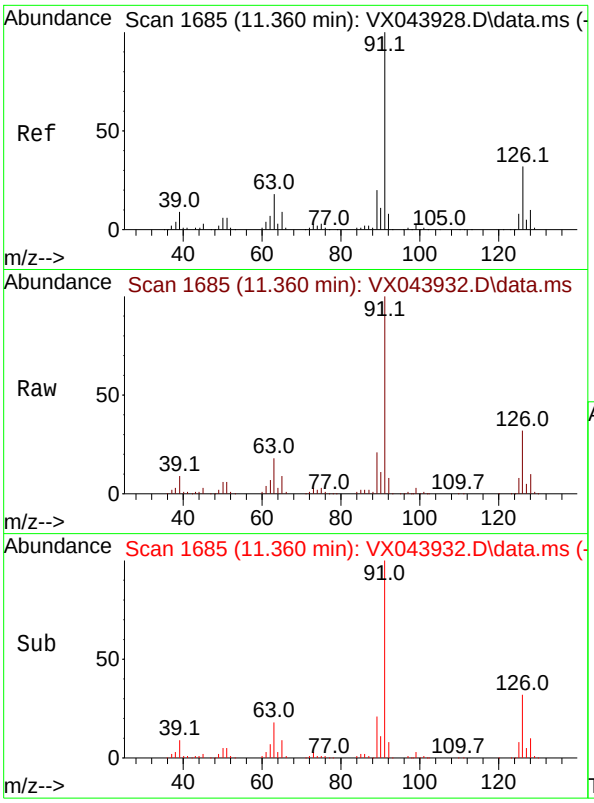


#78
n-propylbenzene
Concen: 50.652 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 91 Resp: 419586

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.5	34.4





#79
2-Chlorotoluene
Concen: 47.551 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

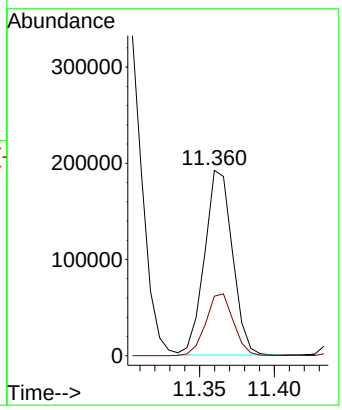
Tgt Ion: 91 Resp: 24907

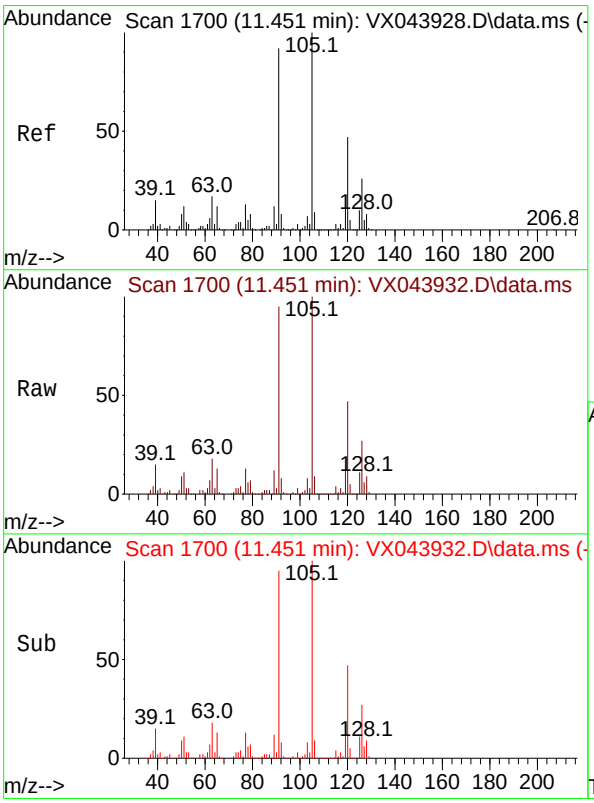
Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.6	49.8

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

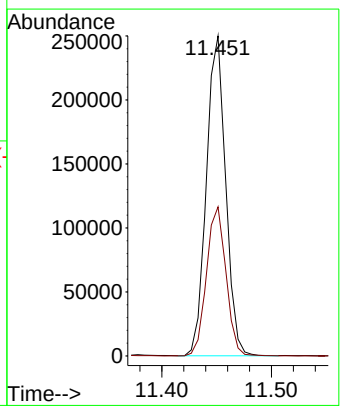


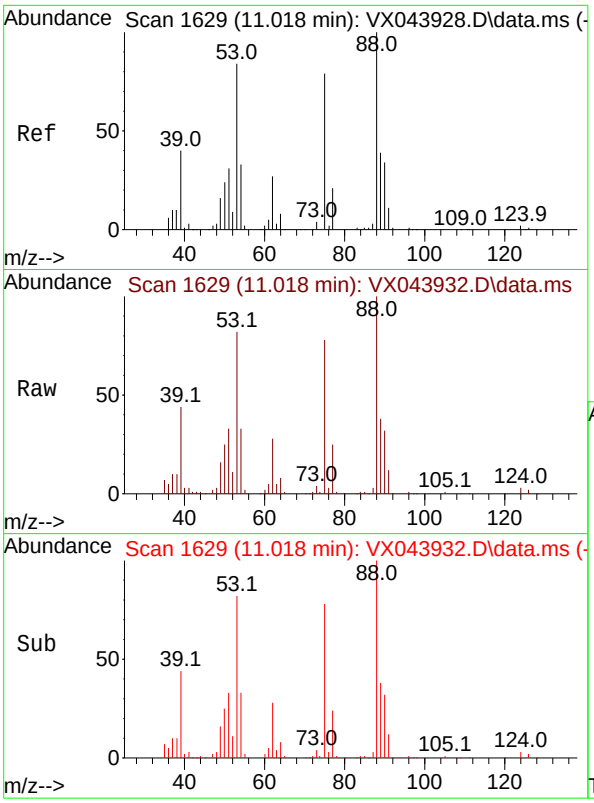


#80
1,3,5-Trimethylbenzene
Concen: 50.134 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:105 Resp: 305922

Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.3	69.8





#81
trans-1,4-Dichloro-2-butene
Concen: 49.756 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

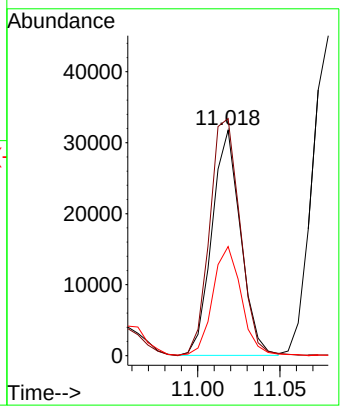
Tgt Ion: 75 Resp: 3858

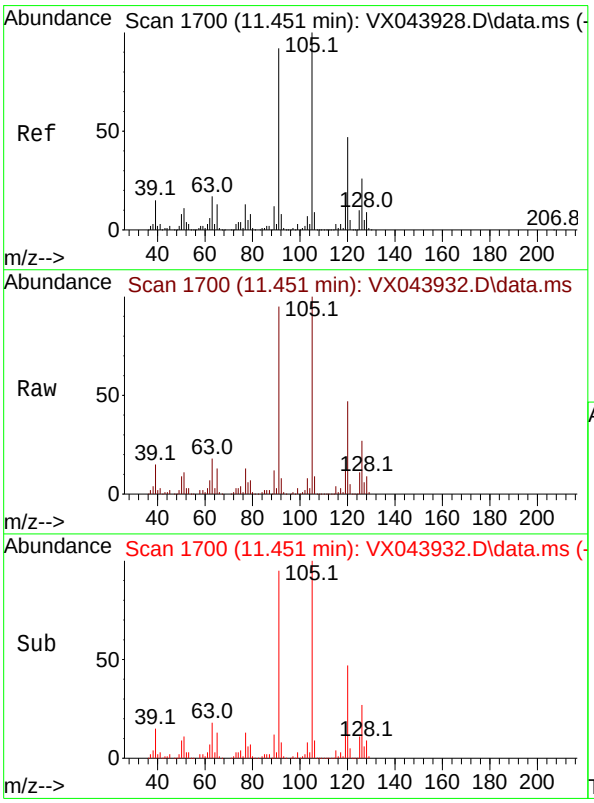
Ion	Ratio	Lower	Upper
75	100		
53	111.7	86.7	130.1
89	48.1	38.2	57.2

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

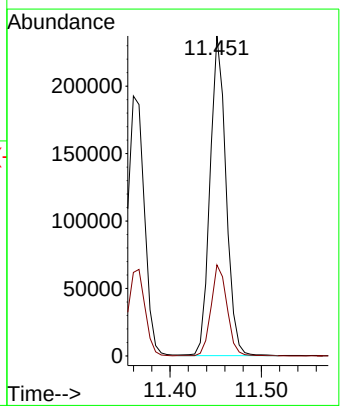


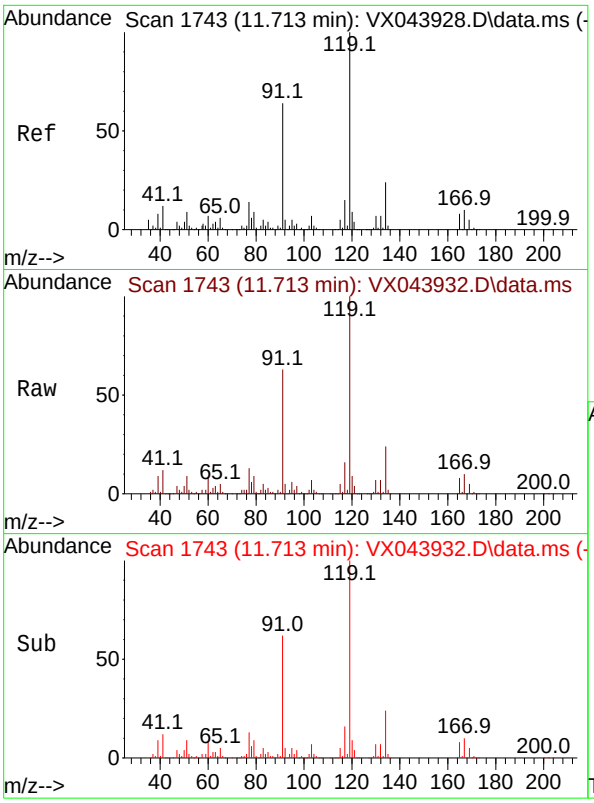


#82
4-Chlorotoluene
Concen: 48.652 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 91 Resp: 287717

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.3	42.9

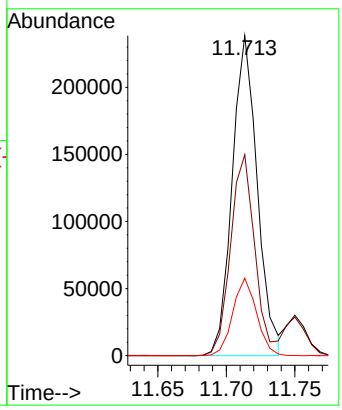




#83
tert-Butylbenzene
Concen: 50.165 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:119 Resp: 30340

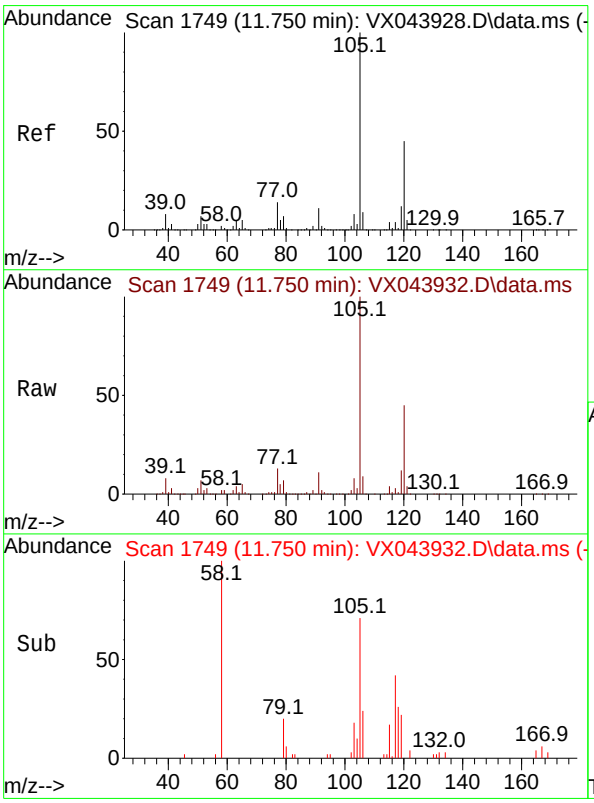
Ion	Ratio	Lower	Upper
119	100		
91	61.2	31.0	93.0
134	23.1	11.6	34.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

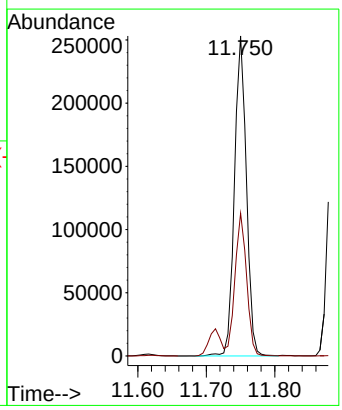
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

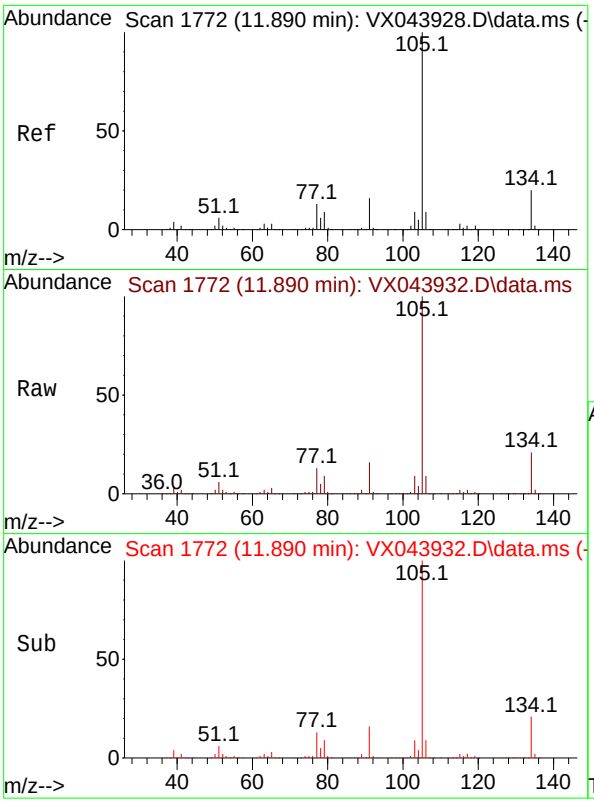


#84
1,2,4-Trimethylbenzene
Concen: 50.410 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:105 Resp: 306251

Ion	Ratio	Lower	Upper
105	100		
120	43.8	21.9	65.7





#85
sec-Butylbenzene
Concen: 50.307 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

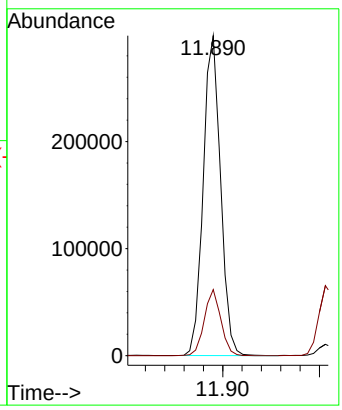
Tgt Ion:105 Resp: 37279

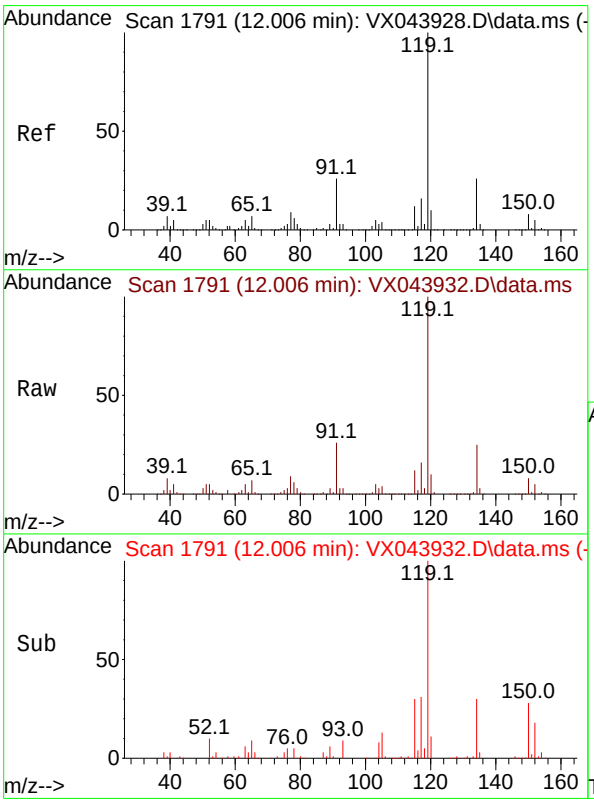
Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.7	29.1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

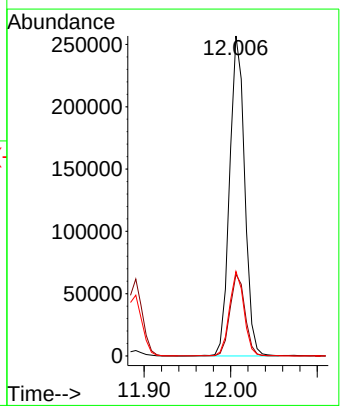


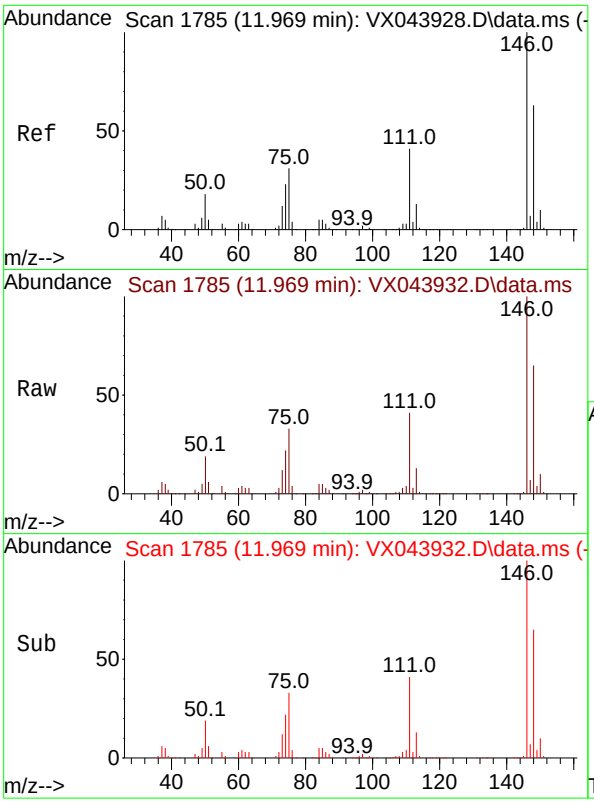


#86
p-Isopropyltoluene
Concen: 51.511 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:119 Resp: 310060

Ion	Ratio	Lower	Upper
119	100		
134	25.6	13.0	38.9
91	25.7	13.0	38.9

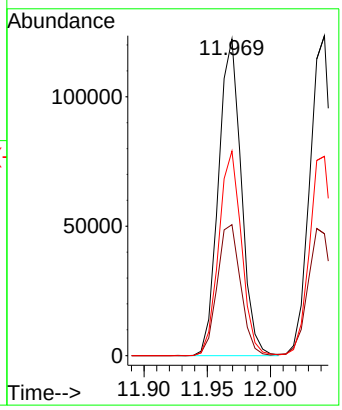




#87
1,3-Dichlorobenzene
Concen: 47.529 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:146 Resp: 15316

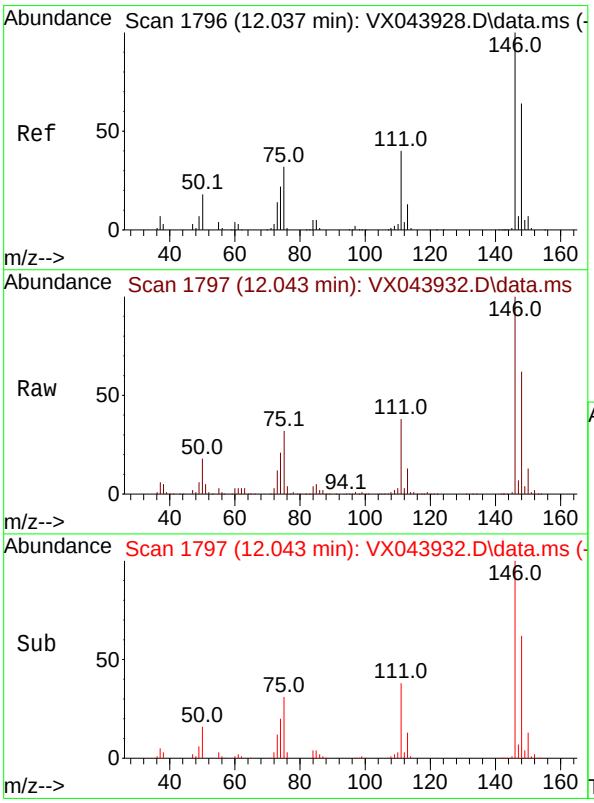
Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.1	63.3
148	64.4	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

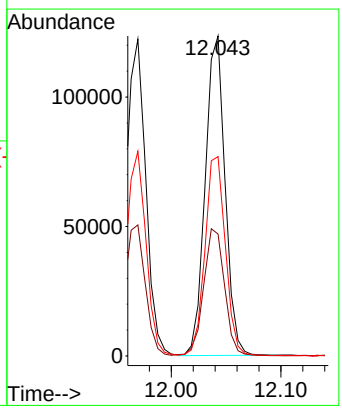
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

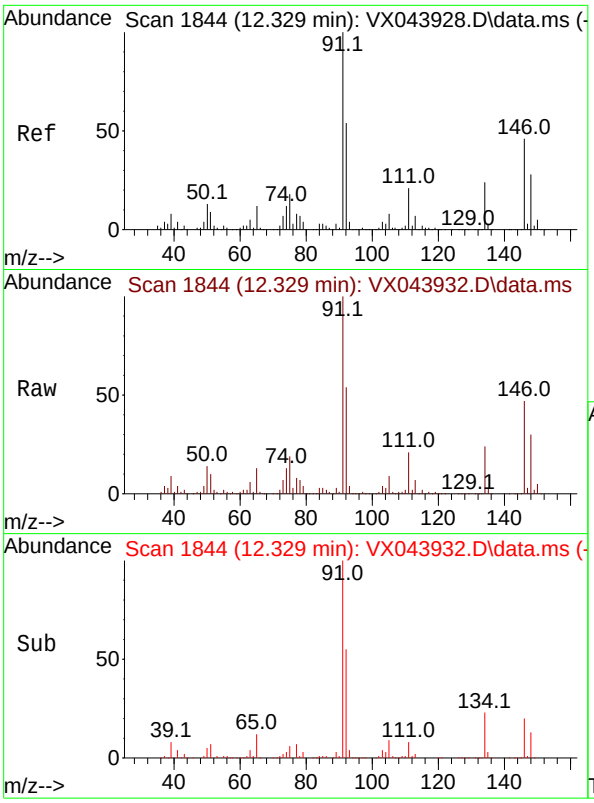


#88
1,4-Dichlorobenzene
Concen: 47.306 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:146 Resp: 155422

Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.1	60.3
148	64.7	30.9	92.8





#89
n-Butylbenzene
Concen: 52.020 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

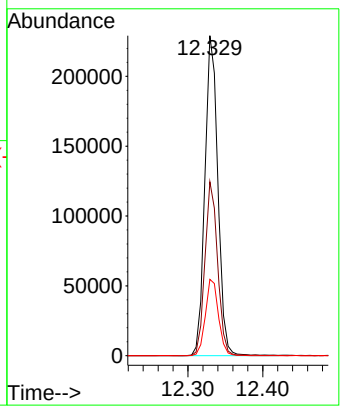
Tgt Ion: 91 Resp: 27607

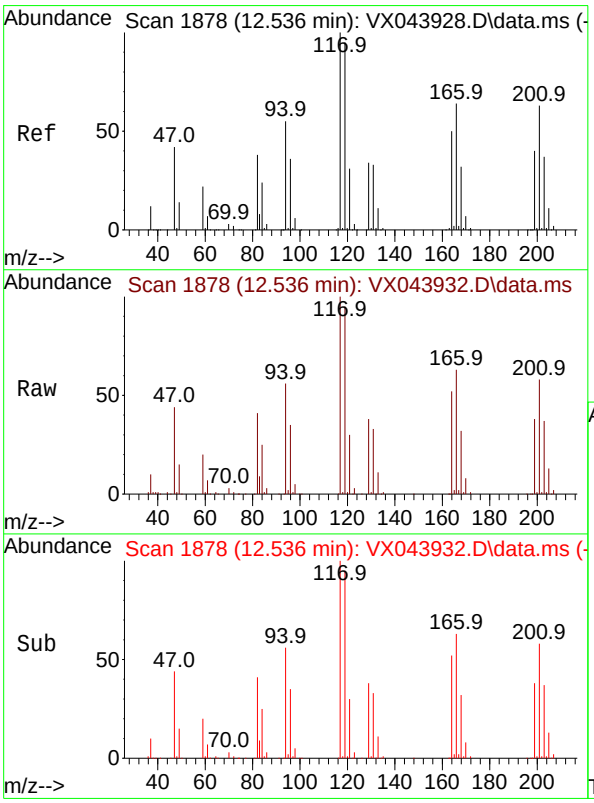
Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.6	79.8
134	24.0	12.4	37.2

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

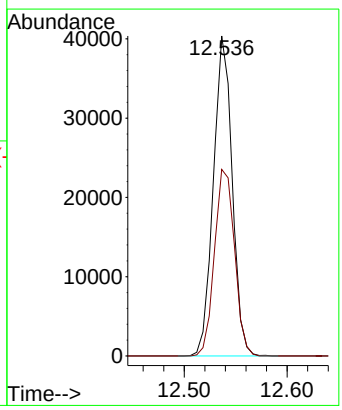


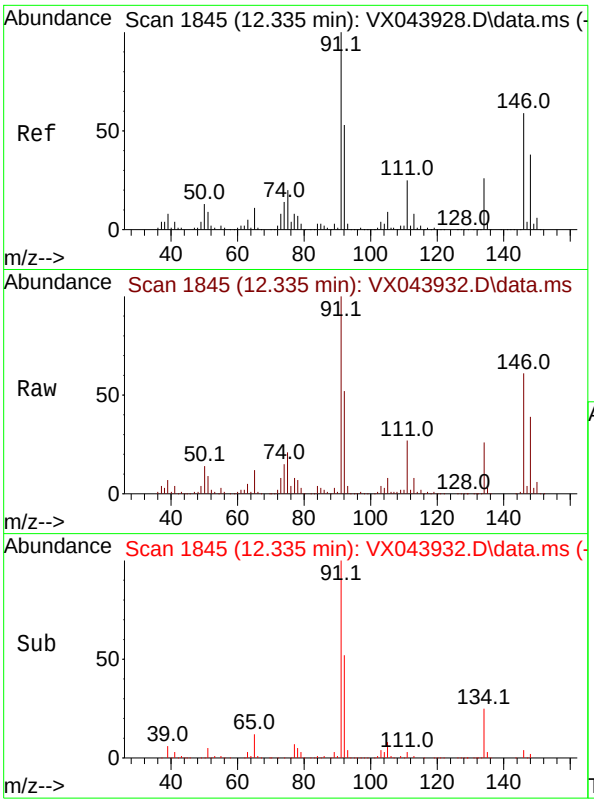


#90
Hexachloroethane
Concen: 50.050 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:117 Resp: 51229

Ion	Ratio	Lower	Upper
117	100		
201	62.2	32.4	97.0

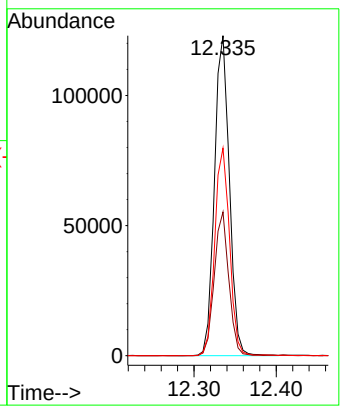




#91
1,2-Dichlorobenzene
Concen: 47.656 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:146 Resp: 15498

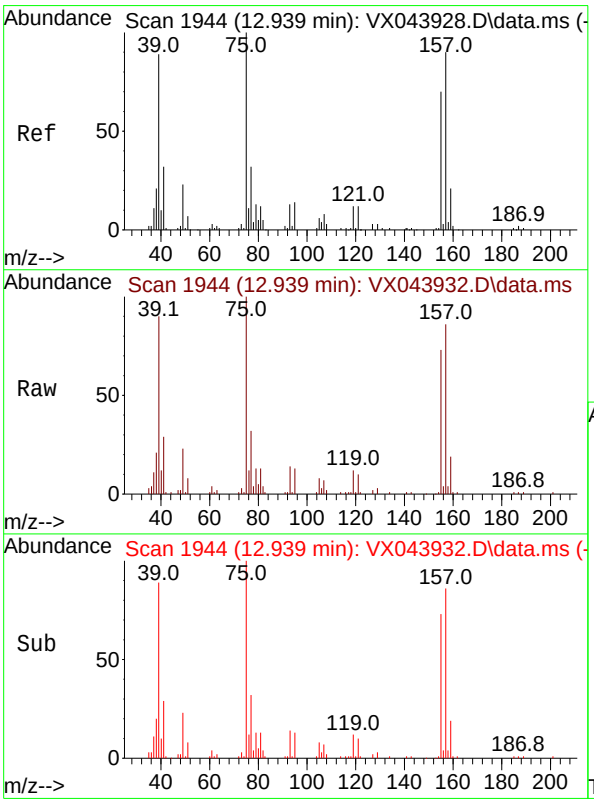
Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.5	64.5
148	64.3	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

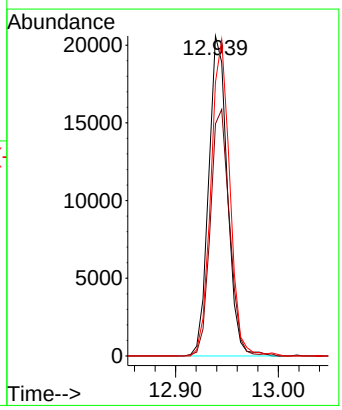
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

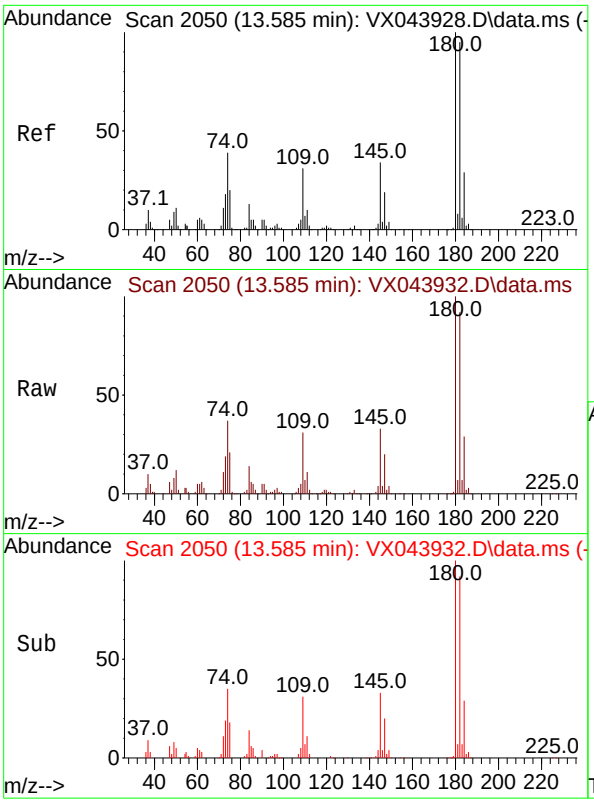


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.030 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 75 Resp: 25968

Ion	Ratio	Lower	Upper
75	100		
155	79.4	40.1	120.2
157	99.8	49.6	149.0





#93
1,2,4-Trichlorobenzene
Concen: 49.495 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

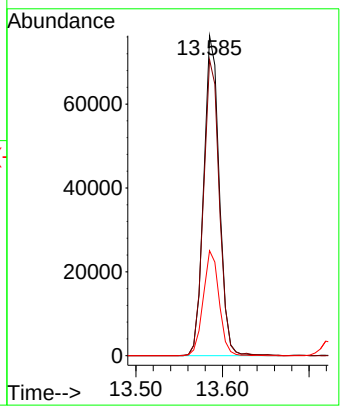
Tgt Ion:180 Resp: 9489

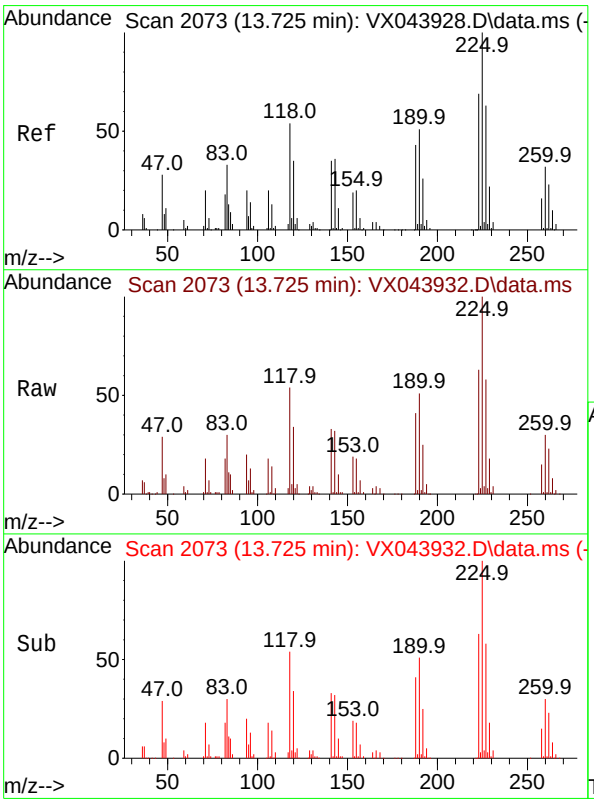
Ion	Ratio	Lower	Upper
180	100		
182	94.6	48.0	144.2
145	33.6	16.8	50.4

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

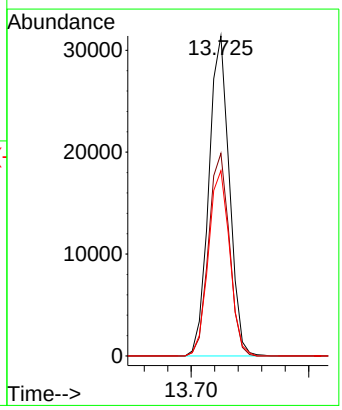


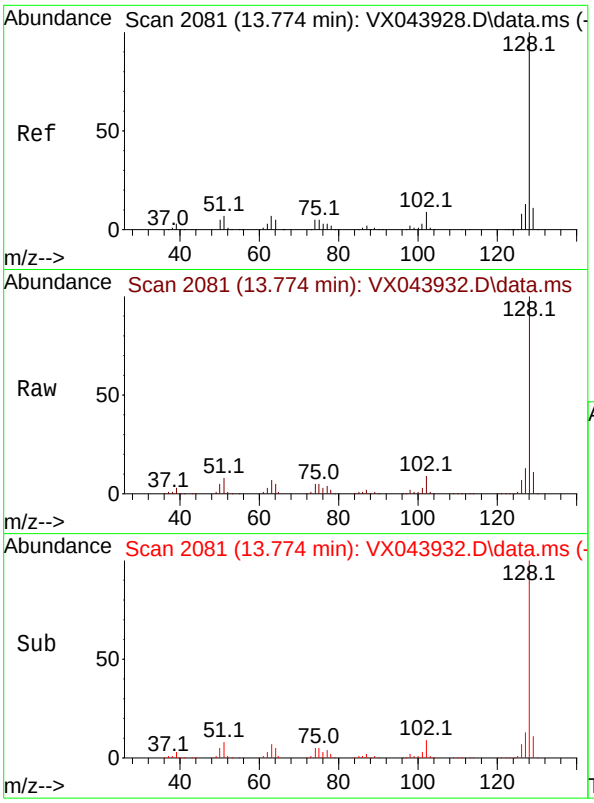


#94
Hexachlorobutadiene
Concen: 50.065 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:225 Resp: 37937

Ion	Ratio	Lower	Upper
225	100		
223	64.1	32.9	98.6
227	60.3	31.6	94.8

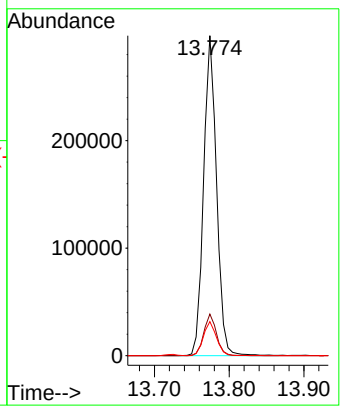




#95
Naphthalene
Concen: 51.831 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:128 Resp: 35772

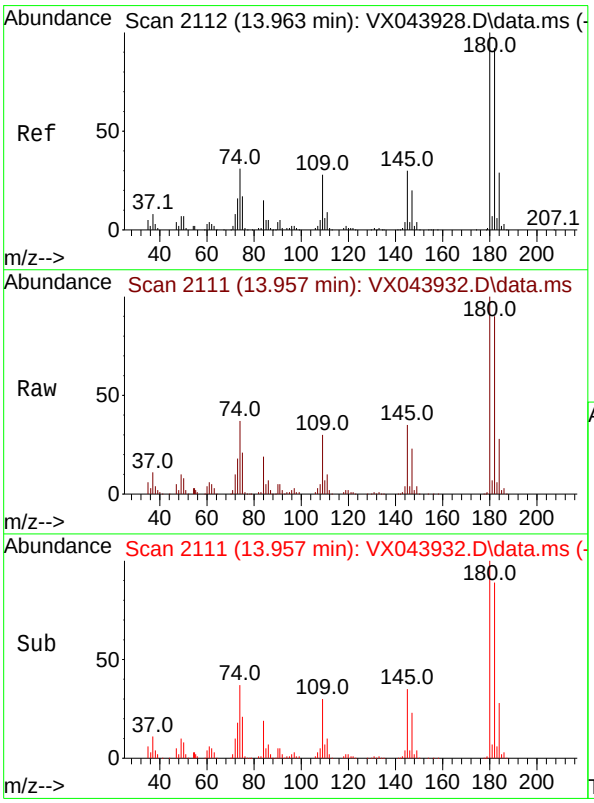
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.8	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

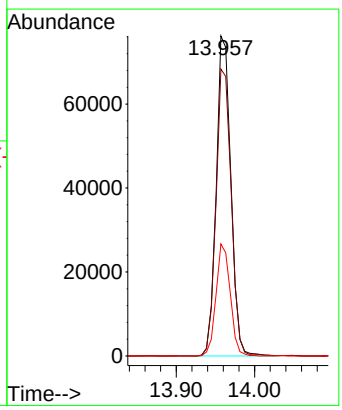
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#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	45.6	136.8
145	33.9	16.4	49.4



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: **VX044174.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: AECO15

Lab Code: CHEM Case No.: P5164 SAS No.: P5164 SDG No.: P5164

Instrument ID: MSVOA_X Calibration Date/Time: 12/09/2024 09:42

Lab File ID: VX044174.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	0.610		-3.63	20
Chloromethane	0.667	0.648	0.1	-2.85	20
Vinyl Chloride	0.709	0.724		2.12	20
Bromomethane	0.436	0.494		13.3	20
Chloroethane	0.432	0.500		15.74	20
Trichlorofluoromethane	1.268	1.627		28.31	20
1,1,2-Trichlorotrifluoroethane	0.605	0.671		10.91	20
1,1-Dichloroethene	0.576	0.615		6.77	20
Acetone	0.394	0.454		15.23	20
Carbon Disulfide	1.188	1.224		3.03	20
Methyl tert-butyl Ether	2.092	2.437		16.49	20
Methyl Acetate	0.917	0.987		7.63	20
Methylene Chloride	0.668	0.701		4.94	20
trans-1,2-Dichloroethene	0.595	0.641		7.73	20
1,1-Dichloroethane	1.161	1.300	0.1	11.97	20
Cyclohexane	0.956	1.016		6.28	20
2-Butanone	0.508	0.578		13.78	20
Carbon Tetrachloride	0.500	0.592		18.4	20
cis-1,2-Dichloroethene	0.735	0.807		9.8	20
Bromochloromethane	0.511	0.481		-5.87	20
Chloroform	1.249	1.399		12.01	20
1,1,1-Trichloroethane	1.077	1.285		19.31	20
Methylcyclohexane	0.578	0.649		12.28	20
Benzene	1.387	1.514		9.16	20
1,2-Dichloroethane	0.557	0.636		14.18	20
Trichloroethene	0.393	0.381		-3.05	20
1,2-Dichloropropane	0.340	0.389		14.41	20
Bromodichloromethane	0.482	0.601		24.69	20
4-Methyl-2-Pentanone	0.537	0.626		16.57	20
Toluene	0.830	0.946		13.98	20
t-1,3-Dichloropropene	0.491	0.595		21.18	20
cis-1,3-Dichloropropene	0.539	0.643		19.3	20
1,1,2-Trichloroethane	0.343	0.391		13.99	20
2-Hexanone	0.403	0.478		18.61	20
Dibromochloromethane	0.344	0.434		26.16	20
1,2-Dibromoethane	0.346	0.408		17.92	20
Tetrachloroethene	0.330	0.372		12.73	20
Chlorobenzene	1.098	1.208	0.3	10.02	20

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: AECO15

Lab Code: CHEM Case No.: P5164 SAS No.: P5164 SDG No.: P5164

Instrument ID: MSVOA_X Calibration Date/Time: 12/09/2024 09:42

Lab File ID: VX044174.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	2.172		16.71	20
m/p-Xylenes	0.694	0.800		15.27	20
o-Xylene	0.678	0.805		18.73	20
Styrene	1.121	1.342		19.72	20
Bromoform	0.240	0.311	0.1	29.58	20
Isopropylbenzene	3.843	4.238		10.28	20
1,1,2,2-Tetrachloroethane	1.316	1.394	0.3	5.93	20
1,3-Dichlorobenzene	1.670	1.830		9.58	20
1,4-Dichlorobenzene	1.702	1.840		8.11	20
1,2-Dichlorobenzene	1.685	1.854		10.03	20
1,2-Dibromo-3-Chloropropane	0.264	0.314		18.94	20
1,2,4-Trichlorobenzene	0.994	1.113		11.87	20
1,2,3-Trichlorobenzene	1.006	1.129		12.23	20
1,2-Dichloroethane-d4	0.858	0.874		1.87	20
Dibromofluoromethane	0.357	0.368		3.08	20
Toluene-d8	1.232	1.205		-2.19	20
4-Bromofluorobenzene	0.419	0.452		7.88	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: **VX044174.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044174.D
Acq On : 09 Dec 2024 09:42
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 10 01:35:23 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 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	128814	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	227273	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	196952	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	97559	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	112526	50.931	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.860%			
35) Dibromofluoromethane	5.379	113	83604	51.481	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.960%			
50) Toluene-d8	8.647	98	273781	48.907	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.820%			
62) 4-Bromofluorobenzene	11.079	95	102733	53.924	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.840%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	78580	48.153	ug/l	97
3) Chloromethane	1.294	50	83460	48.602	ug/l	96
4) Vinyl Chloride	1.374	62	93235	51.045	ug/l	99
5) Bromomethane	1.593	94	63602	56.604	ug/l	92
6) Chloroethane	1.666	64	64433	57.893	ug/l	99
7) Trichlorofluoromethane	1.867	101	209538	64.166	ug/l	96
8) Diethyl Ether	2.130	74	64292	54.017	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	86497	55.529	ug/l	98
10) Methyl Iodide	2.441	142	107473	55.244	ug/l	97
11) Tert butyl alcohol	2.995	59	88996	250.958	ug/l	97
12) 1,1-Dichloroethene	2.306	96	79228	53.377	ug/l	95
13) Acrolein	2.233	56	68156	182.338	ug/l	97
14) Allyl chloride	2.654	41	135908	56.036	ug/l	96
15) Acrylonitrile	3.062	53	235606	272.630	ug/l	100
16) Acetone	2.386	43	292184	287.937	ug/l	99
17) Carbon Disulfide	2.502	76	157658	51.493	ug/l	99
18) Methyl Acetate	2.703	43	127089	53.780	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	313920	58.247	ug/l	99
20) Methylene Chloride	2.782	84	90343	52.463	ug/l	96
21) trans-1,2-Dichloroethene	3.081	96	82587	53.892	ug/l	95
22) Diisopropyl ether	3.757	45	296776	57.225	ug/l	99
23) Vinyl Acetate	3.715	43	1293362	291.530	ug/l	99
24) 1,1-Dichloroethane	3.599	63	167492	55.983	ug/l	99
25) 2-Butanone	4.556	43	372003	284.114	ug/l	99
26) 2,2-Dichloropropane	4.465	77	154976	57.356	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	103955	54.879	ug/l	98
28) Bromochloromethane	4.891	49	61976	47.061	ug/l	97
29) Tetrahydrofuran	5.001	42	213725	266.254	ug/l	99
30) Chloroform	5.080	83	180181	55.994	ug/l	97
31) Cyclohexane	5.458	56	130877	53.150	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	165489	59.637	ug/l	99
36) 1,1-Dichloropropene	5.684	75	113848	56.258	ug/l	98
37) Ethyl Acetate	4.708	43	141102	56.170	ug/l	97
38) Carbon Tetrachloride	5.666	117	134573	59.182	ug/l	99
39) Methylcyclohexane	7.373	83	147558	56.127	ug/l	96
40) Benzene	6.025	78	344158	54.597	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044174.D
Acq On : 09 Dec 2024 09:42
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 10 01:35:23 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 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	71068	55.276	ug/l		93
42) 1,2-Dichloroethane	6.074	62	144654	57.138	ug/l		100
43) Isopropyl Acetate	6.336	43	229745	57.468	ug/l		99
44) Trichloroethene	7.117	130	86553	48.503	ug/l		91
45) 1,2-Dichloropropane	7.421	63	88451	57.290	ug/l		96
46) Dibromomethane	7.574	93	70569	57.782	ug/l		99
47) Bromodichloromethane	7.818	83	136522	62.329	ug/l		100
48) Methyl methacrylate	7.690	41	108338	56.476	ug/l		99
49) 1,4-Dioxane	7.659	88	25573	748.393	ug/l	#	74
51) 4-Methyl-2-Pentanone	8.574	43	711641	291.699	ug/l		99
52) Toluene	8.714	92	215112	57.015	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	135167	60.514	ug/l		99
54) cis-1,3-Dichloropropene	8.360	75	146180	59.699	ug/l		98
55) 1,1,2-Trichloroethane	9.147	97	88864	57.058	ug/l		98
56) Ethyl methacrylate	9.116	69	146127	60.237	ug/l		98
57) 1,3-Dichloropropane	9.305	76	153530	58.519	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	362299	272.768	ug/l		100
59) 2-Hexanone	9.427	43	543380	296.330	ug/l		99
60) Dibromochloromethane	9.519	129	98737	63.187	ug/l		97
61) 1,2-Dibromoethane	9.604	107	92681	58.852	ug/l		99
64) Tetrachloroethene	9.269	164	73287	56.432	ug/l		97
65) Chlorobenzene	10.073	112	237896	54.997	ug/l		96
66) 1,1,1,2-Tetrachloroethane	10.159	131	85186	60.723	ug/l		98
67) Ethyl Benzene	10.189	91	427705	58.352	ug/l		98
68) m/p-Xylenes	10.299	106	315039	115.254	ug/l		97
69) o-Xylene	10.640	106	158561	59.412	ug/l		98
70) Styrene	10.652	104	264223	59.859	ug/l		98
71) Bromoform	10.799	173	61264	56.868	ug/l	#	97
73) Isopropylbenzene	10.957	105	413444	55.131	ug/l		100
74) N-amyl acetate	10.841	43	196483	56.557	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	136043	52.980	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	117911m	55.113	ug/l		
77) Bromobenzene	11.195	156	97626	54.572	ug/l		98
78) n-propylbenzene	11.299	91	481969	57.544	ug/l		98
79) 2-Chlorotoluene	11.360	91	288045	54.387	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	345791	56.047	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	42472	54.171	ug/l		95
82) 4-Chlorotoluene	11.451	91	333051	55.701	ug/l		100
83) tert-Butylbenzene	11.713	119	353753	57.848	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	351113	57.161	ug/l		99
85) sec-Butylbenzene	11.890	105	431266	57.559	ug/l		100
86) p-Isopropyltoluene	12.006	119	364608	59.908	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	178533	54.794	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	179485	54.031	ug/l		97
89) n-Butylbenzene	12.329	91	328165	61.157	ug/l		99
90) Hexachloroethane	12.536	117	60642	58.597	ug/l		96
91) 1,2-Dichlorobenzene	12.335	146	180867	55.006	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	30602	59.476	ug/l		94
93) 1,2,4-Trichlorobenzene	13.585	180	108534	55.987	ug/l		100
94) Hexachlorobutadiene	13.719	225	43419	56.671	ug/l		98
95) Naphthalene	13.774	128	405265	58.075	ug/l		99
96) 1,2,3-Trichlorobenzene	13.963	180	110149	56.138	ug/l		96

Sample Results: **VX044174.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044174.D
Acq On : 09 Dec 2024 09:42
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

Quant Time: Dec 10 01:35:23 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

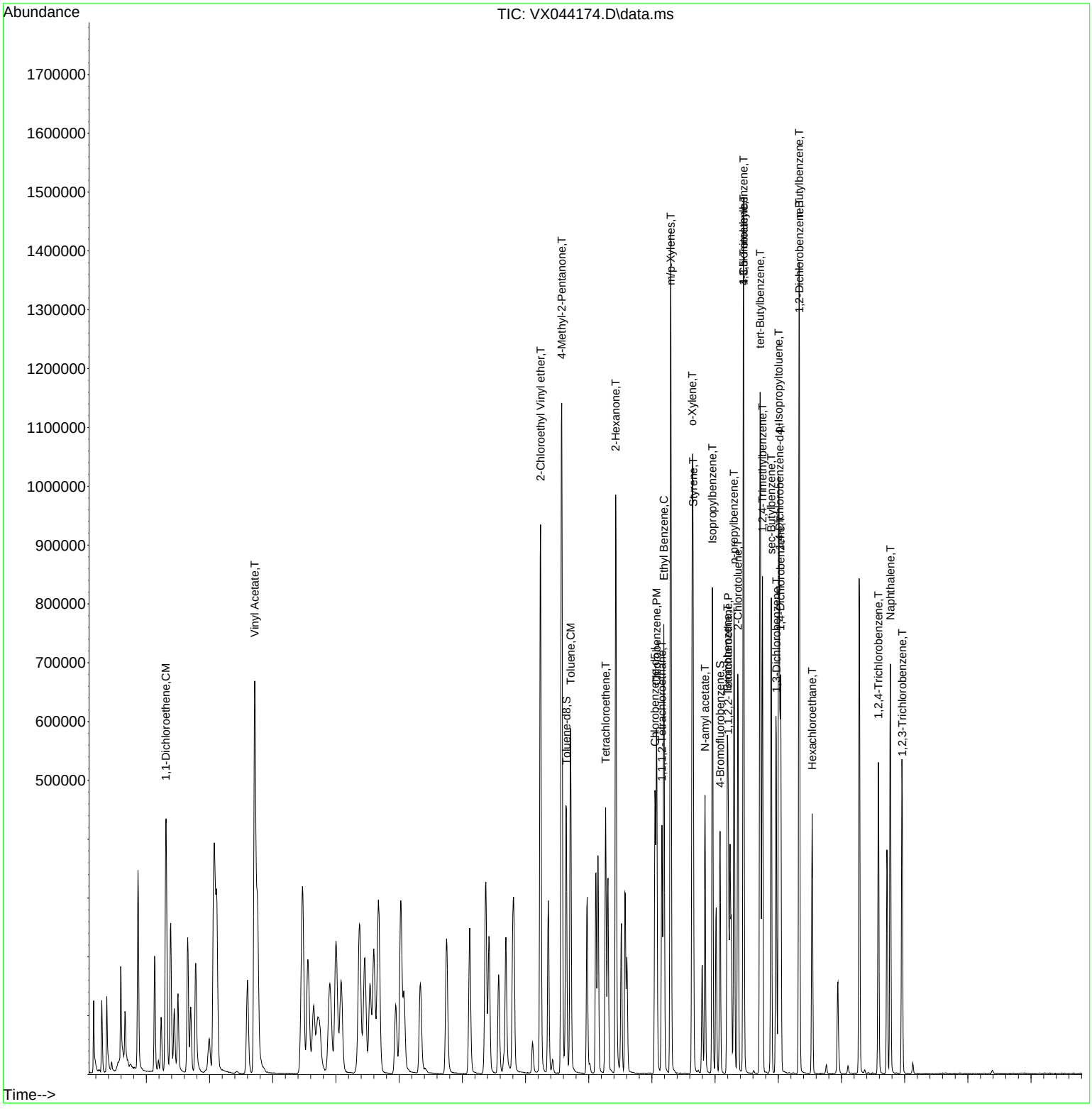
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044174.D
Acq On : 09 Dec 2024 09:42
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

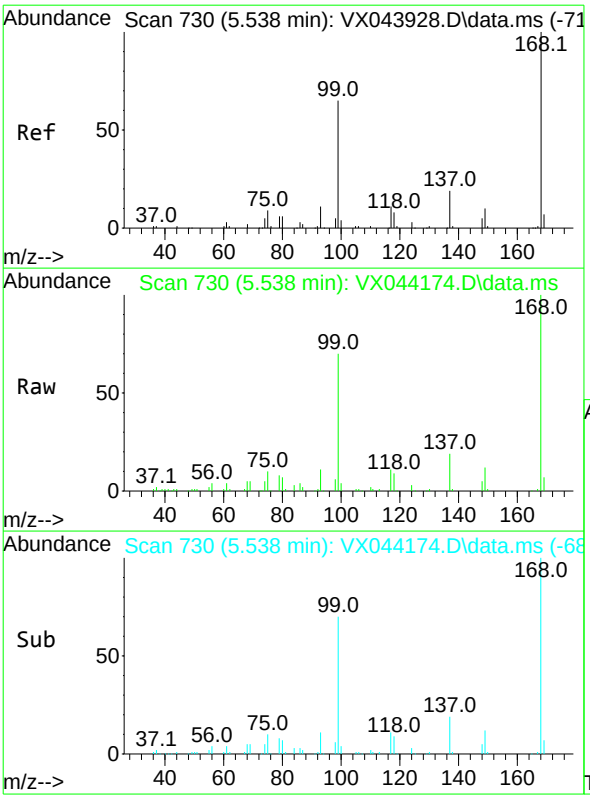
Quant Time: Dec 10 01:35:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

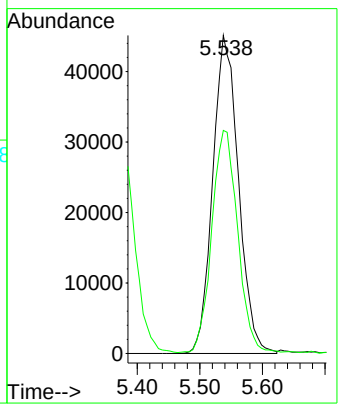




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion:168 Resp: 128814

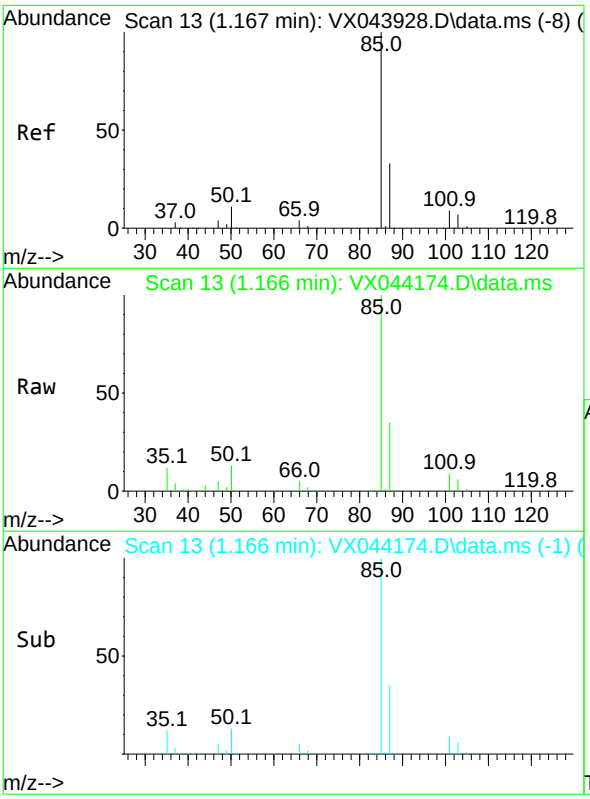
Ion	Ratio	Lower	Upper
168	100		
99	69.8	51.8	77.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

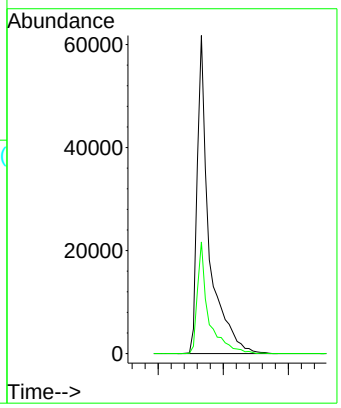
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

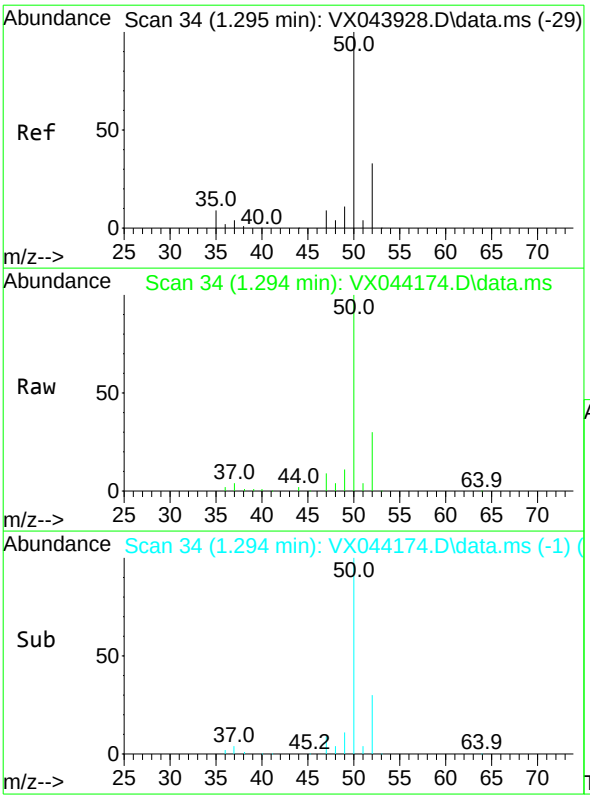


#2
Dichlorodifluoromethane
Concen: 48.153 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 85 Resp: 78580

Ion	Ratio	Lower	Upper
85	100		
87	35.1	16.6	49.8

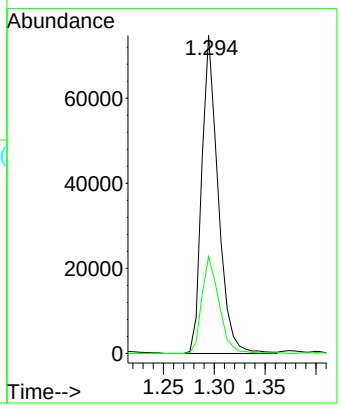




#3
Chloromethane
Concen: 48.602 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 50 Resp: 83460

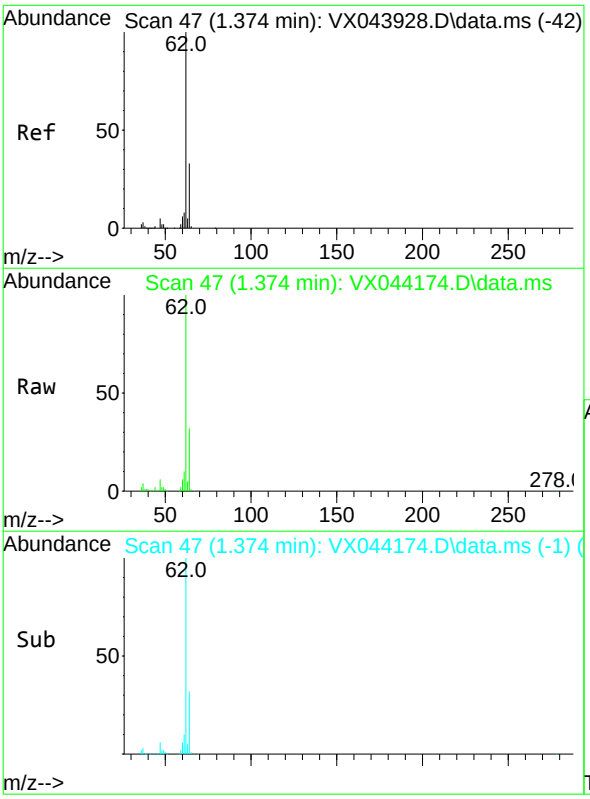
Ion	Ratio	Lower	Upper
50	100		
52	30.4	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

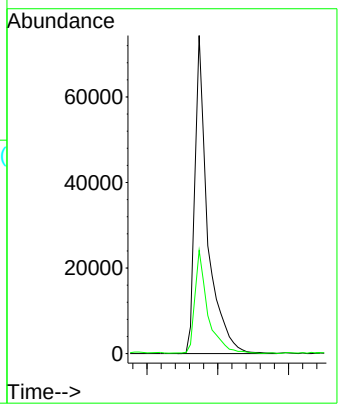
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

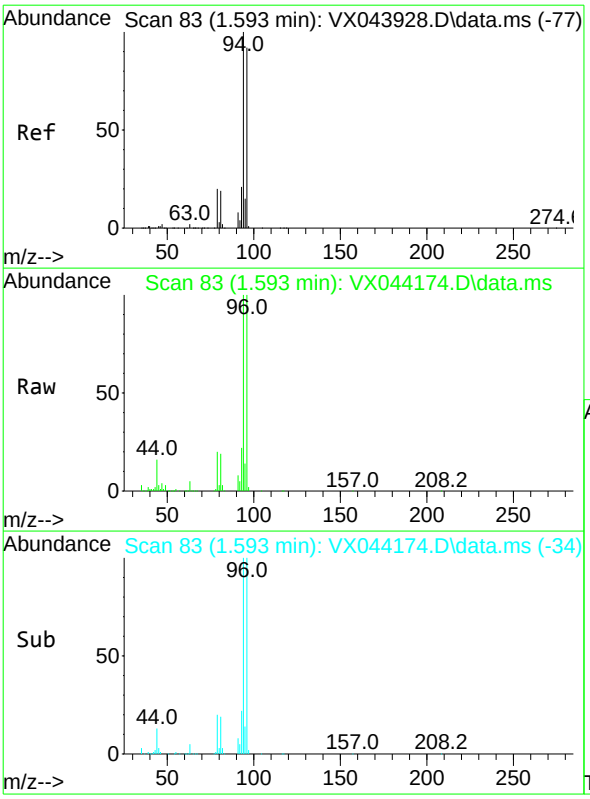


#4
Vinyl Chloride
Concen: 51.045 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 62 Resp: 93235

Ion	Ratio	Lower	Upper
62	100		
64	32.4	26.2	39.4

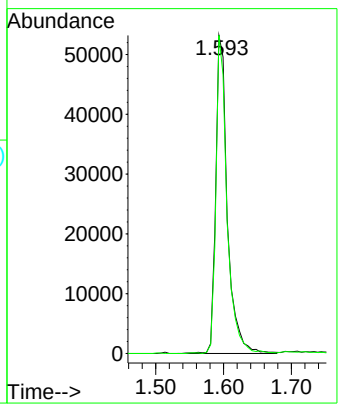




#5
Bromomethane
Concen: 56.604 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 94 Resp: 63602

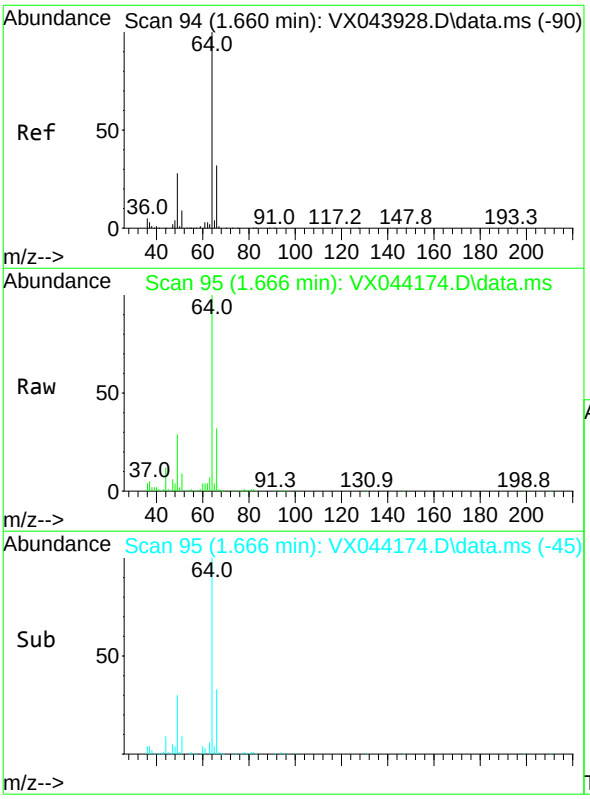
Ion	Ratio	Lower	Upper
94	100		
96	100.0	73.9	110.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

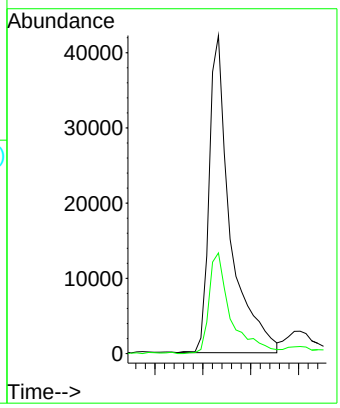
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

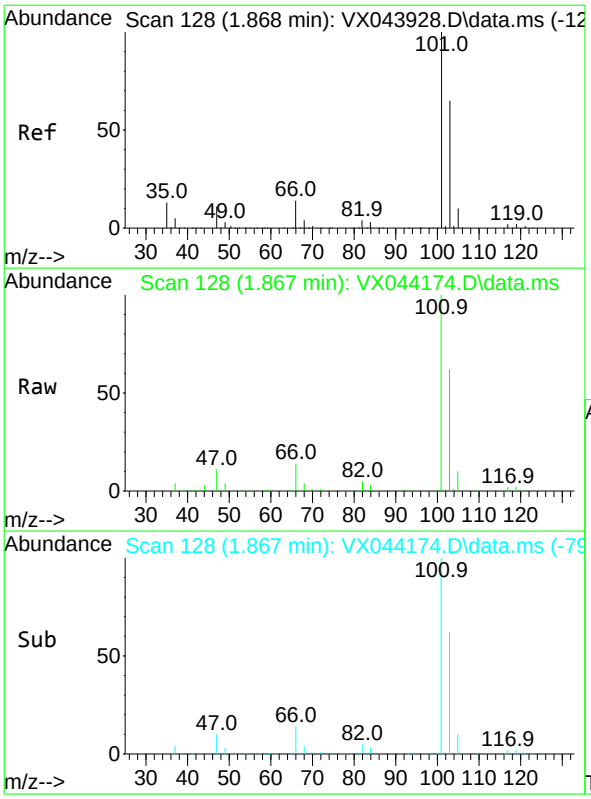


#6
Chloroethane
Concen: 57.893 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 64 Resp: 64433

Ion	Ratio	Lower	Upper
64	100		
66	31.7	25.9	38.9

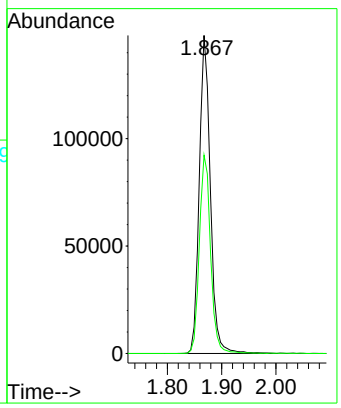




#7
Trichlorofluoromethane
Concen: 64.166 ug/l
RT: 1.867 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion:101 Resp: 209538

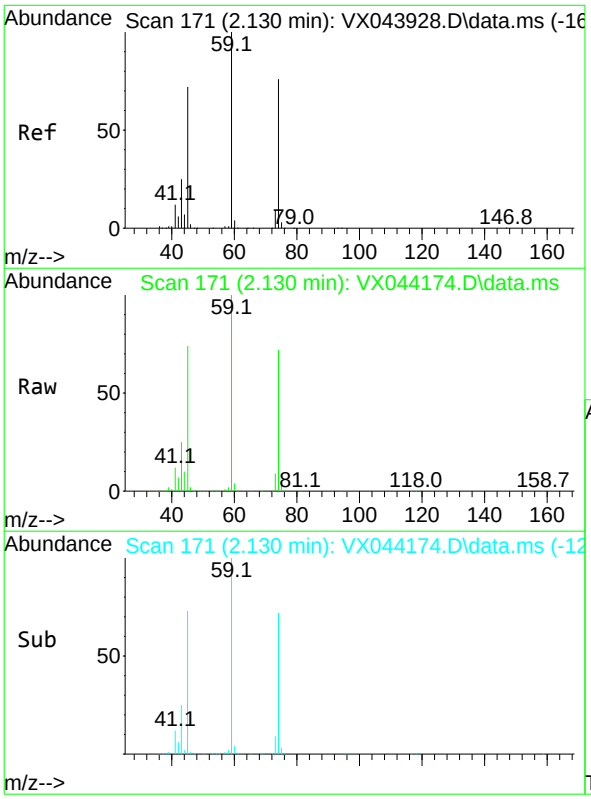
Ion	Ratio	Lower	Upper
101	100		
103	62.4	52.2	78.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

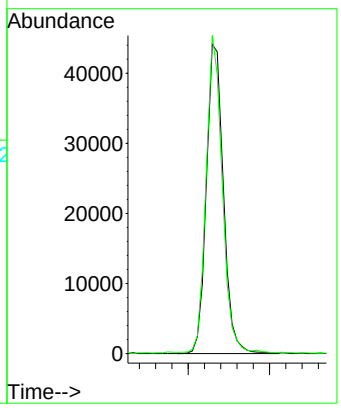
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

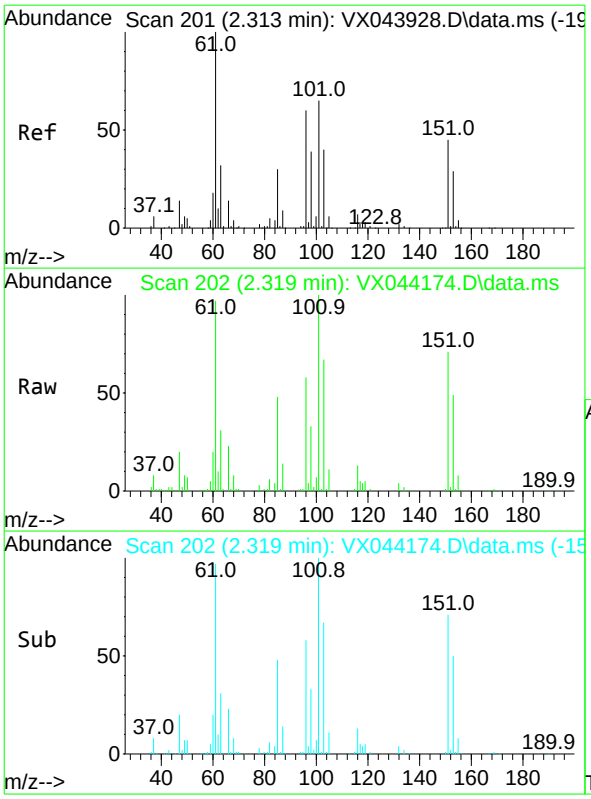


#8
Diethyl Ether
Concen: 54.017 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 74 Resp: 64292

Ion	Ratio	Lower	Upper
74	100		
45	97.0	47.9	143.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 55.529 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

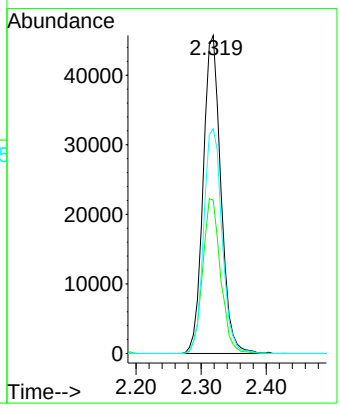
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

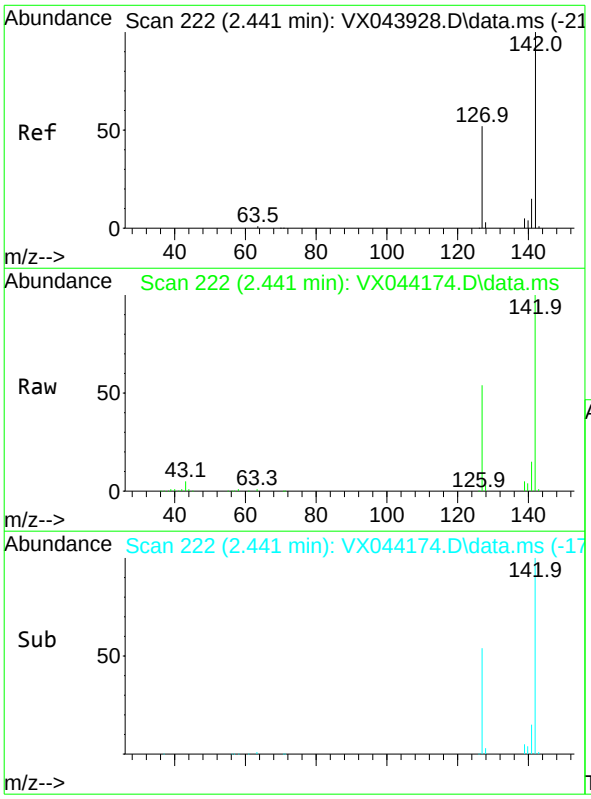
Tgt Ion:101 Resp: 86497

Ion	Ratio	Lower	Upper
101	100		
85	49.2	37.9	56.9
151	73.3	57.5	86.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

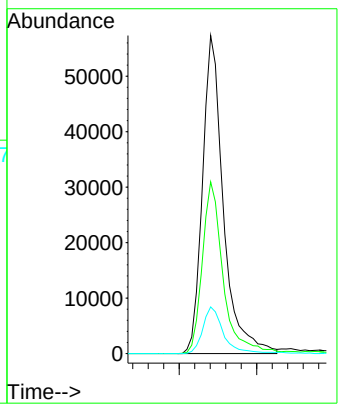


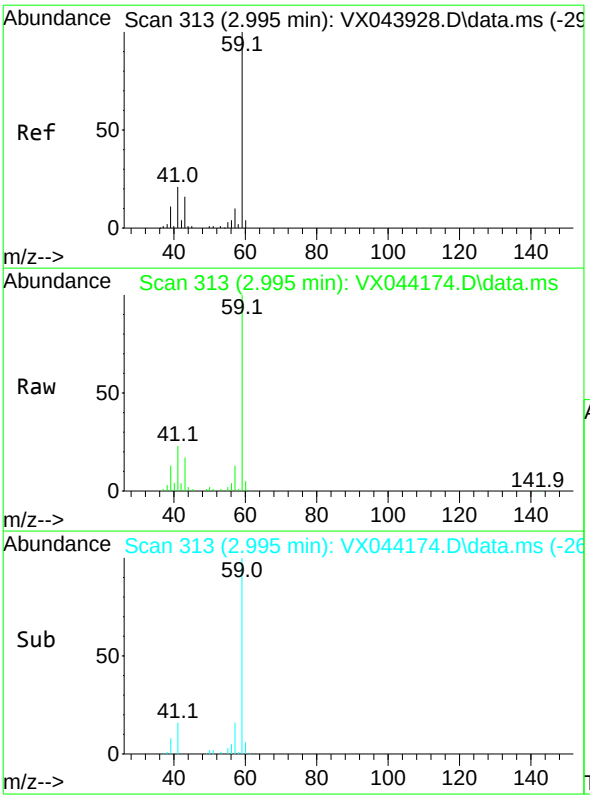


#10
Methyl Iodide
Concen: 55.244 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion:142 Resp: 107473

Ion	Ratio	Lower	Upper
142	100		
127	53.5	40.7	61.1
141	14.8	12.0	18.0

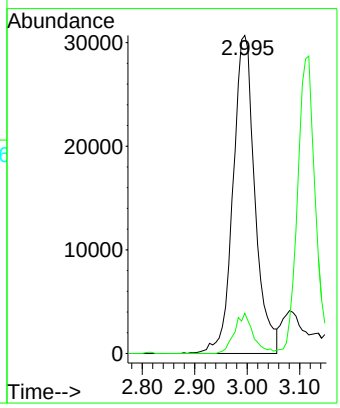




#11
Tert butyl alcohol
Concen: 250.958 ug/l
RT: 2.995 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 59 Resp: 88996

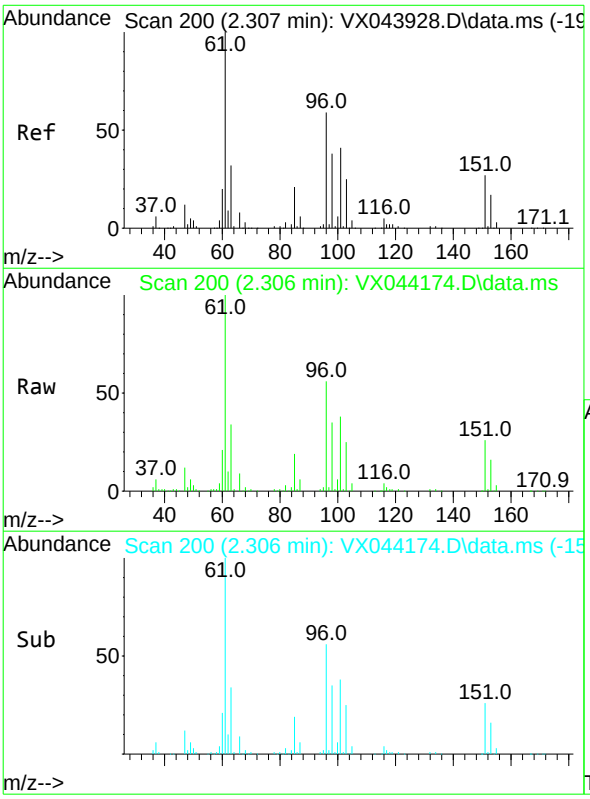
Ion	Ratio	Lower	Upper
59	100		
57	10.8	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

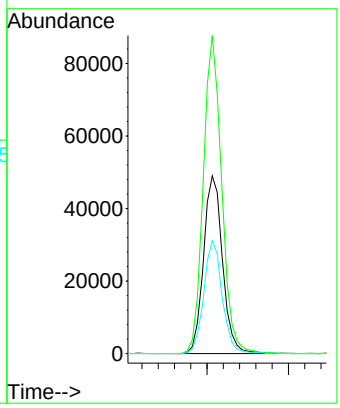
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

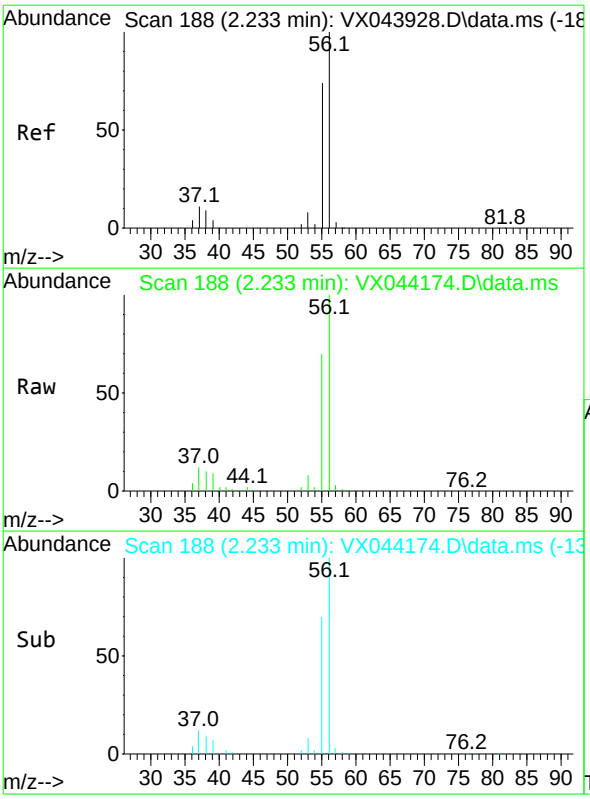


#12
1,1-Dichloroethene
Concen: 53.377 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 96 Resp: 79228

Ion	Ratio	Lower	Upper
96	100		
61	178.9	135.5	203.3
98	63.5	50.8	76.2

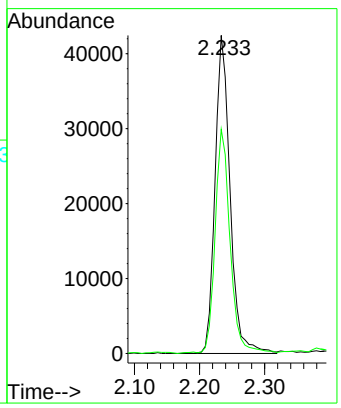




#13
Acrolein
Concen: 182.338 ug/l
RT: 2.233 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 56 Resp: 68156

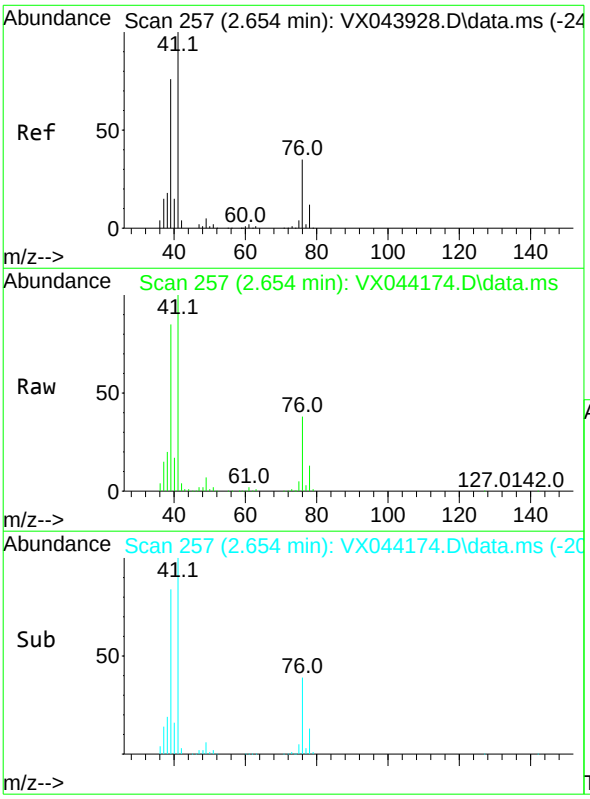
Ion	Ratio	Lower	Upper
56	100		
55	70.6	58.2	87.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

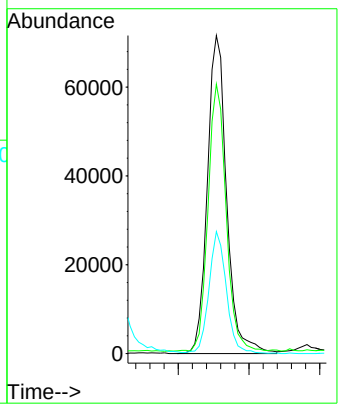
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

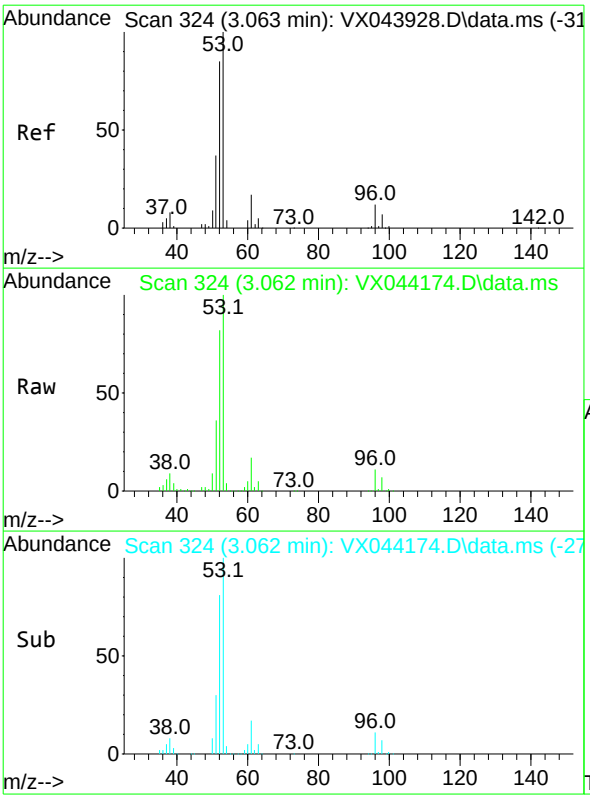


#14
Allyl chloride
Concen: 56.036 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 41 Resp: 135908

Ion	Ratio	Lower	Upper
41	100		
39	78.6	59.5	89.3
76	34.8	27.4	41.2

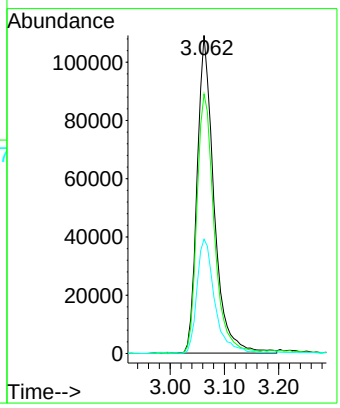




#15
Acrylonitrile
Concen: 272.630 ug/l
RT: 3.062 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 53 Resp: 235606

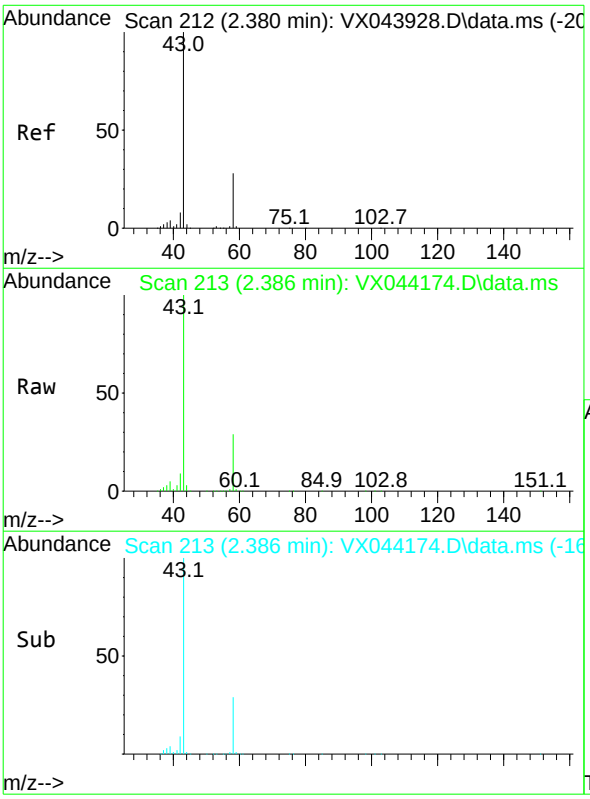
Ion	Ratio	Lower	Upper
53	100		
52	83.6	66.5	99.7
51	37.8	30.2	45.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

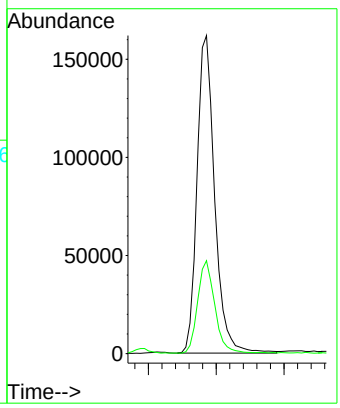
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

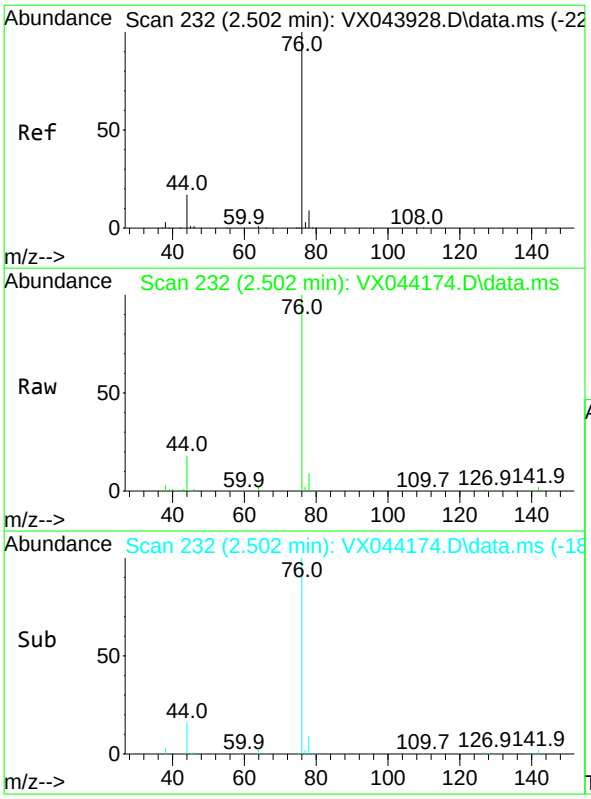


#16
Acetone
Concen: 287.937 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 43 Resp: 292184

Ion	Ratio	Lower	Upper
43	100		
58	29.1	22.7	34.1

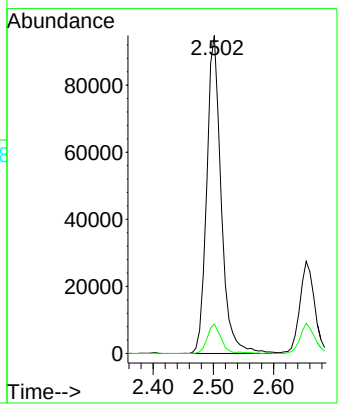




#17
Carbon Disulfide
Concen: 51.493 ug/l
RT: 2.502 min Scan# 23
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 76 Resp: 157658

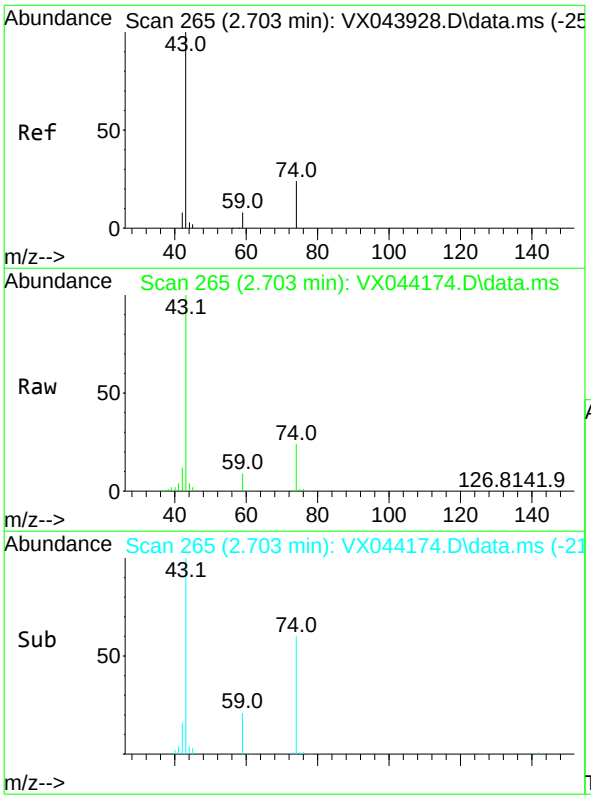
Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.0	10.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

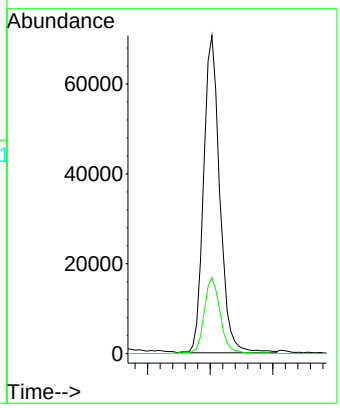
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

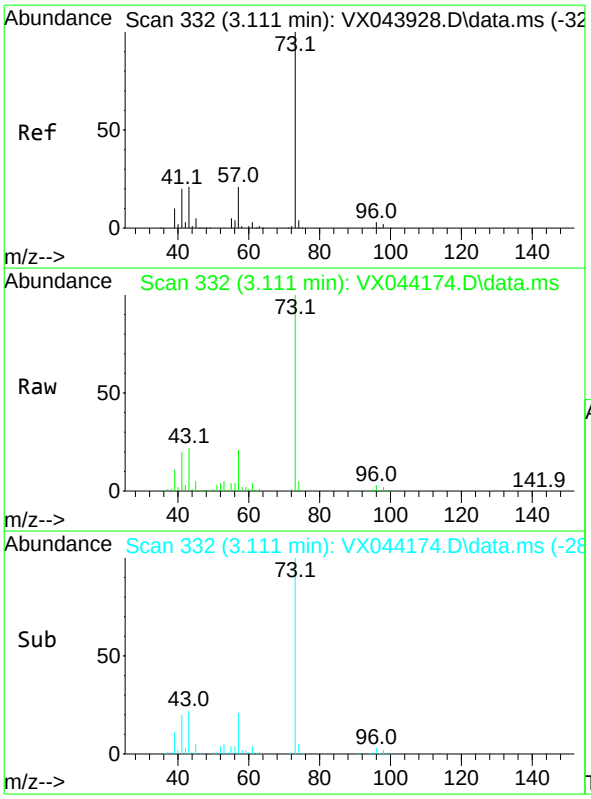


#18
Methyl Acetate
Concen: 53.780 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 43 Resp: 127089

Ion	Ratio	Lower	Upper
43	100		
74	23.9	18.9	28.3

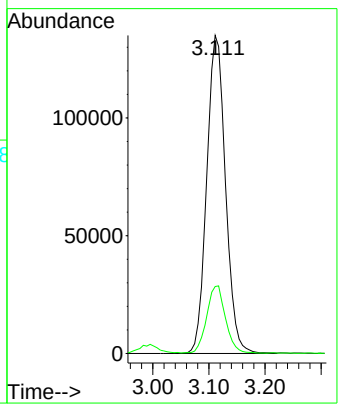




#19
Methyl tert-butyl Ether
Concen: 58.247 ug/l
RT: 3.111 min Scan# 33
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 73 Resp: 313920

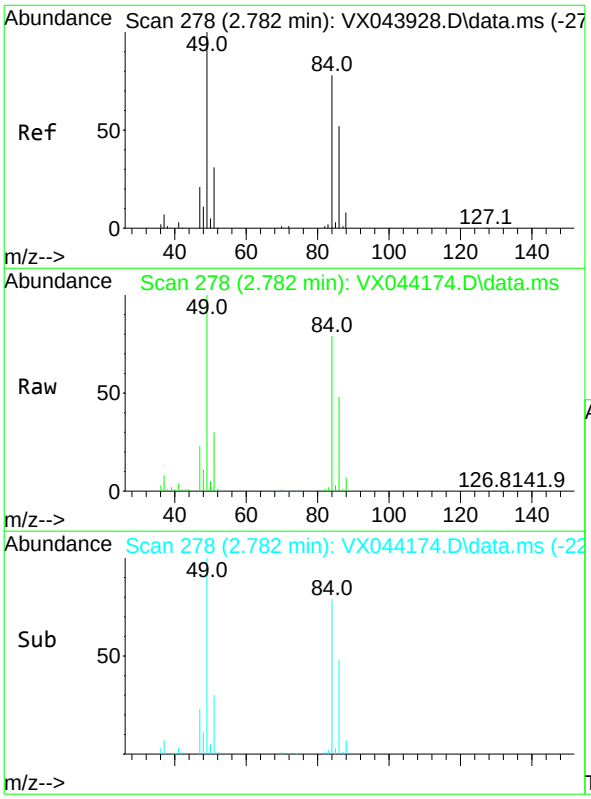
Ion	Ratio	Lower	Upper
73	100		
57	20.9	17.0	25.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

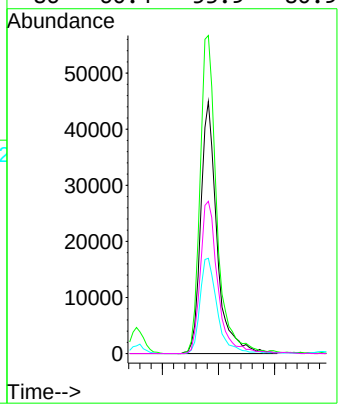
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

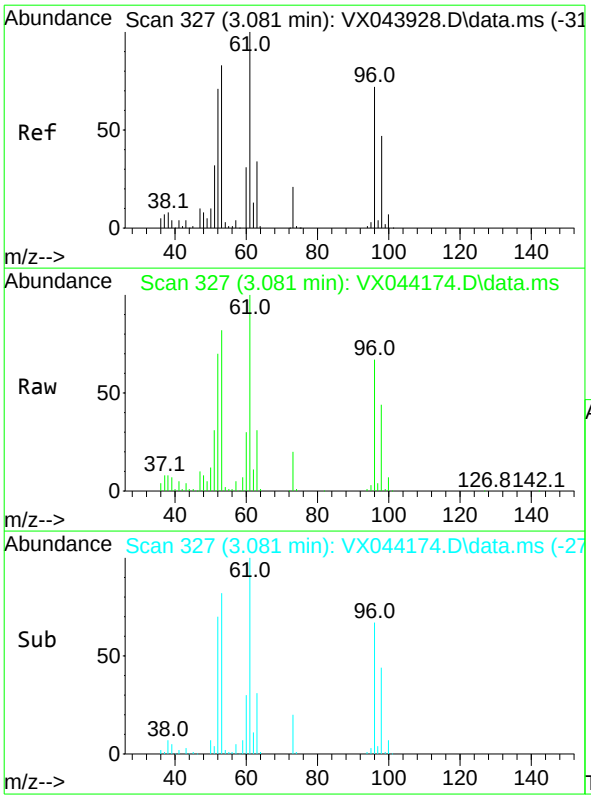


#20
Methylene Chloride
Concen: 52.463 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 84 Resp: 90343

Ion	Ratio	Lower	Upper
84	100		
49	126.2	102.7	154.1
51	37.8	31.7	47.5
86	60.4	53.9	80.9

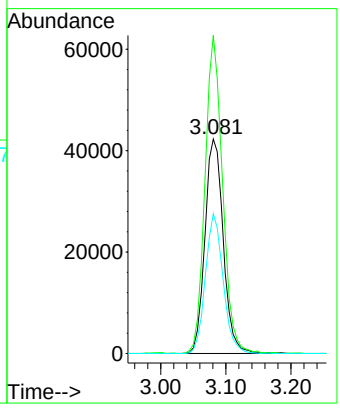




#21
trans-1,2-Dichloroethene
Concen: 53.892 ug/l
RT: 3.081 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 96 Resp: 82587

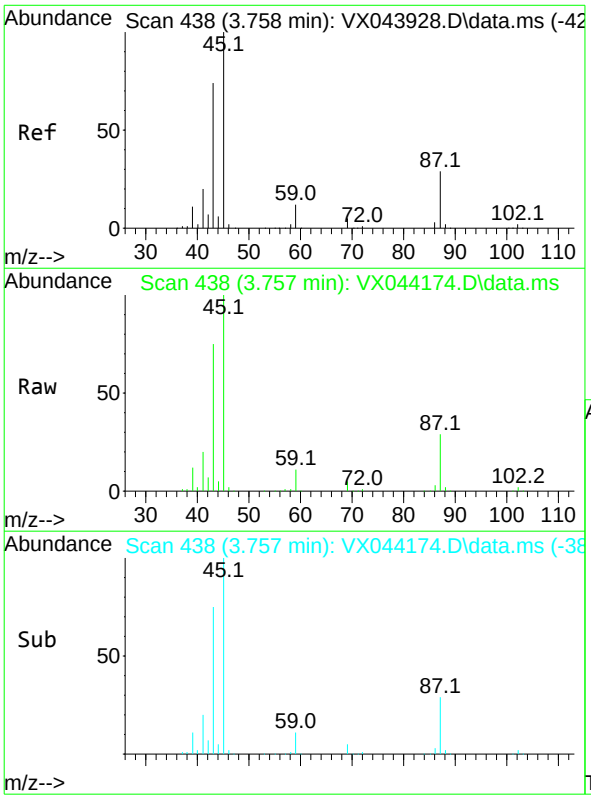
Ion	Ratio	Lower	Upper
96	100		
61	148.3	111.8	167.6
98	65.2	52.7	79.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

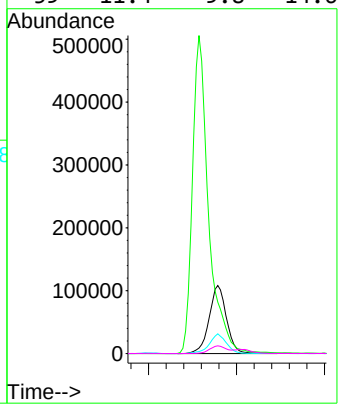
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

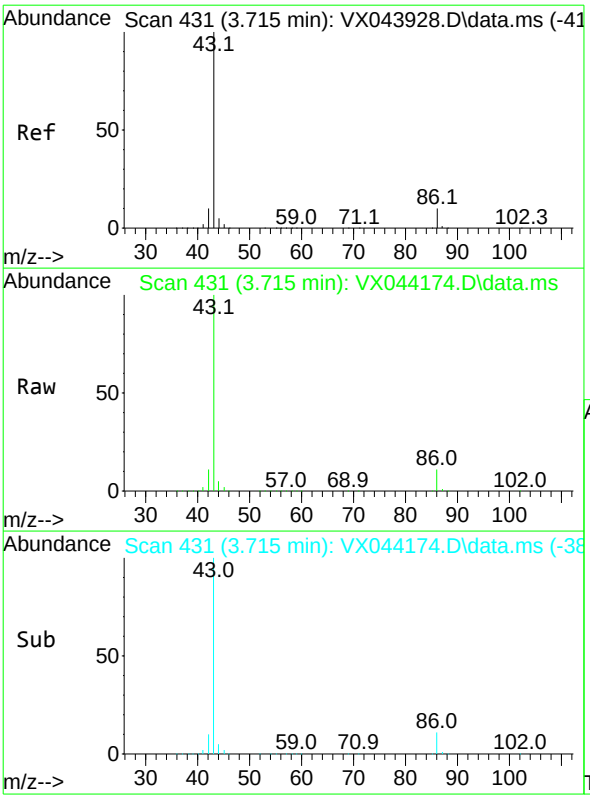


#22
Diisopropyl ether
Concen: 57.225 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 45 Resp: 296776

Ion	Ratio	Lower	Upper
45	100		
43	75.1	59.6	89.4
87	29.1	22.9	34.3
59	11.4	9.8	14.6





#23
Vinyl Acetate
Concen: 291.530 ug/l
RT: 3.715 min Scan# 43
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

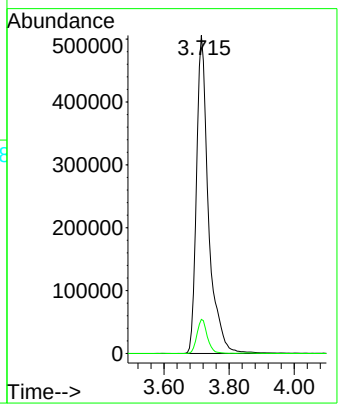
Tgt Ion: 43 Resp: 1293362

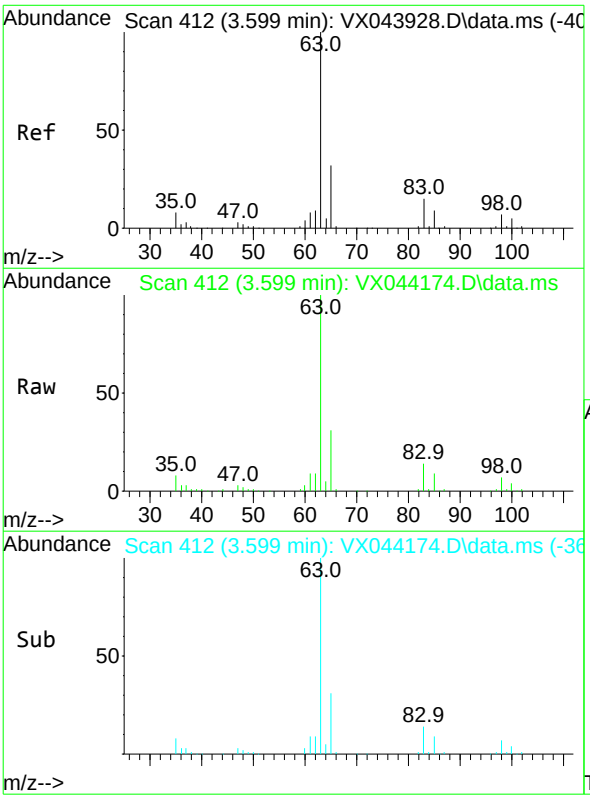
Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.3	12.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

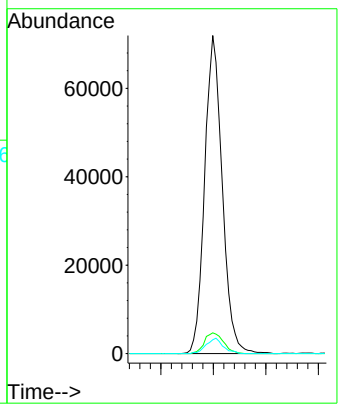


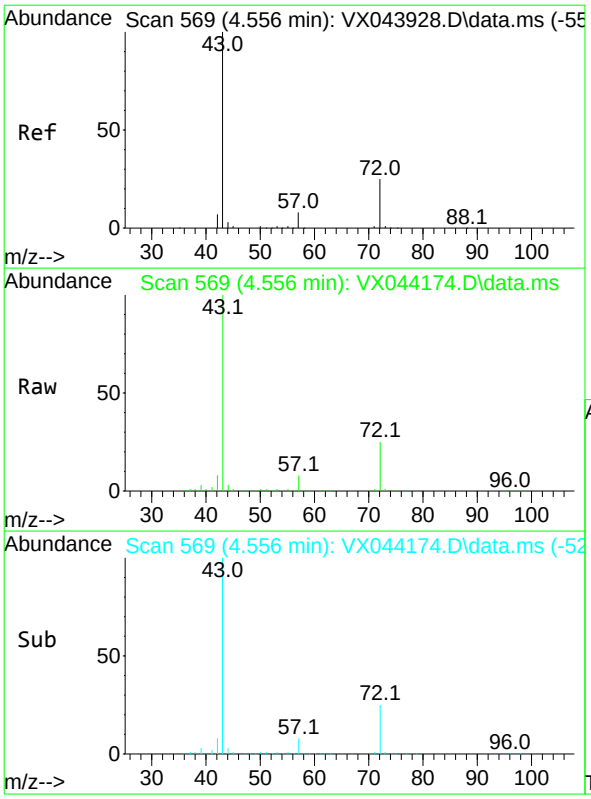


#24
1,1-Dichloroethane
Concen: 55.983 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 63 Resp: 167492

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.5	10.6
100	4.4	2.4	7.1

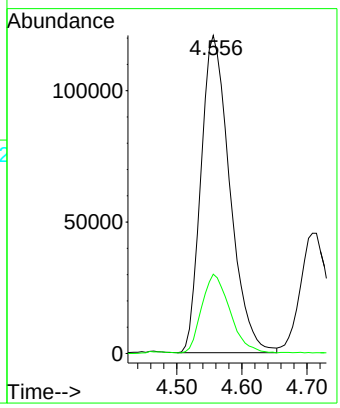




#25
2-Butanone
Concen: 284.114 ug/l
RT: 4.556 min Scan# 56
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 43 Resp: 372003

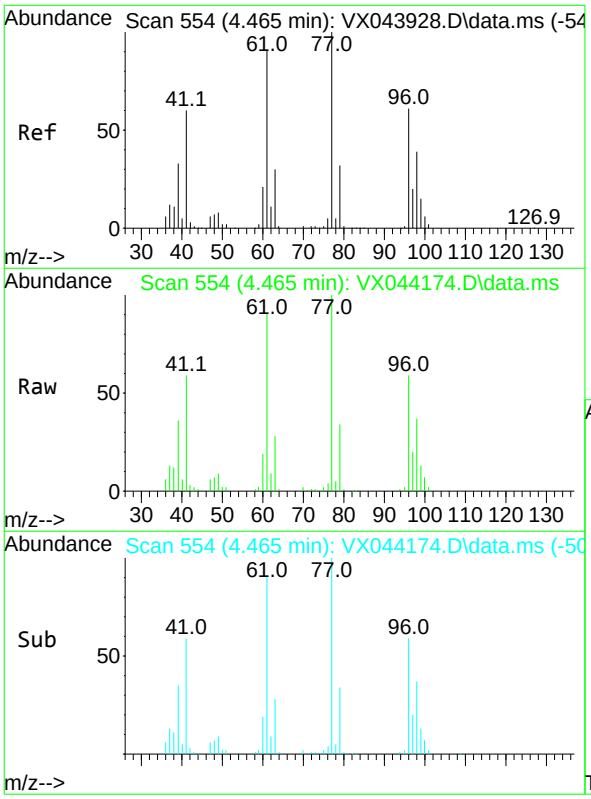
Ion	Ratio	Lower	Upper
43	100		
72	24.8	20.2	30.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

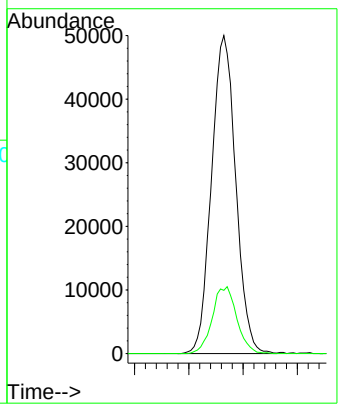
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

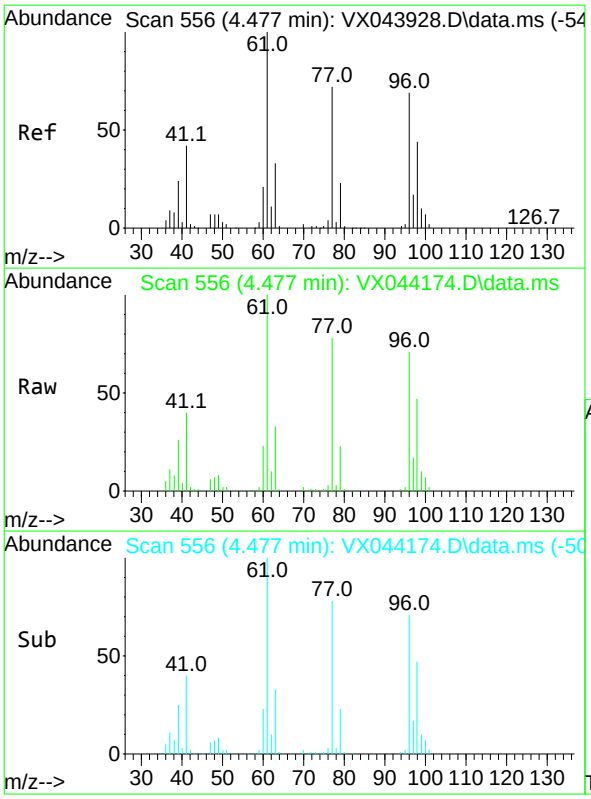


#26
2,2-Dichloropropane
Concen: 57.356 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 77 Resp: 154976

Ion	Ratio	Lower	Upper
77	100		
97	21.3	10.8	32.3

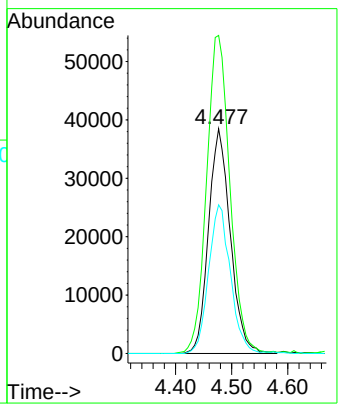




#27
cis-1,2-Dichloroethene
Concen: 54.879 ug/l
RT: 4.477 min Scan# 55
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 96 Resp: 103955

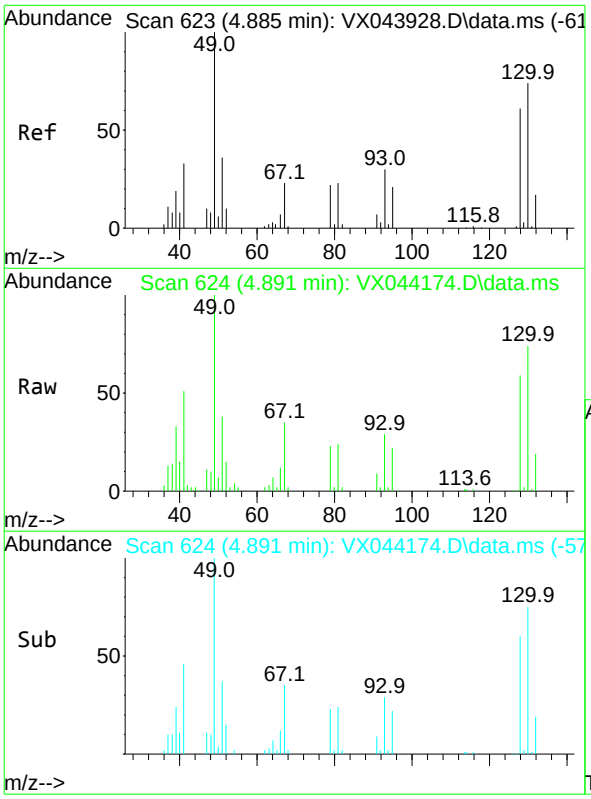
Ion	Ratio	Lower	Upper
96	100		
61	151.5	0.0	297.4
98	66.0	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

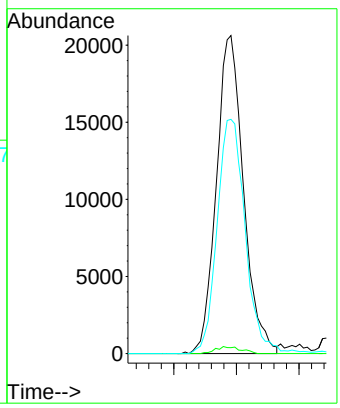
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

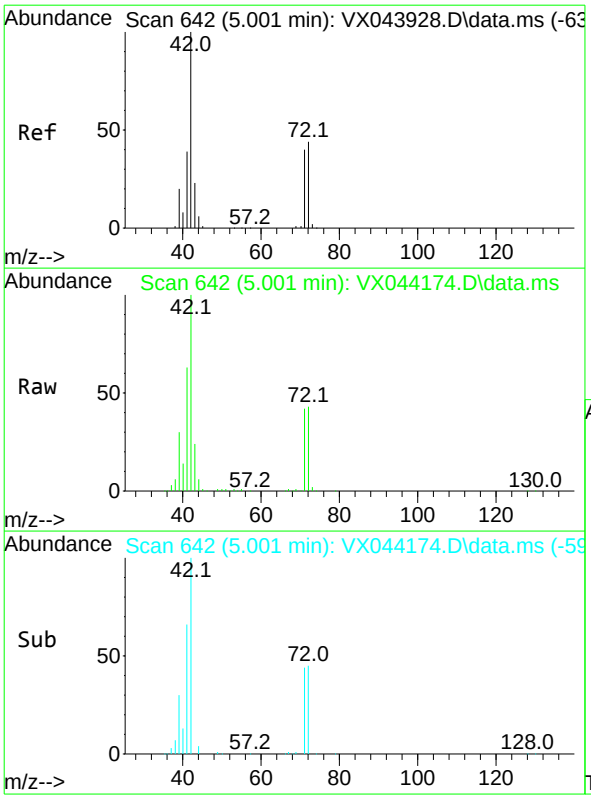


#28
Bromochloromethane
Concen: 47.061 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 49 Resp: 61976

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	76.1	59.0	88.6





#29
Tetrahydrofuran
Concen: 266.254 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

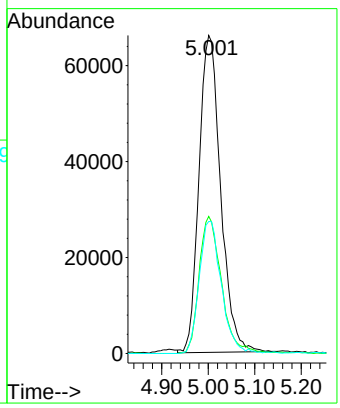
Tgt Ion: 42 Resp: 213725

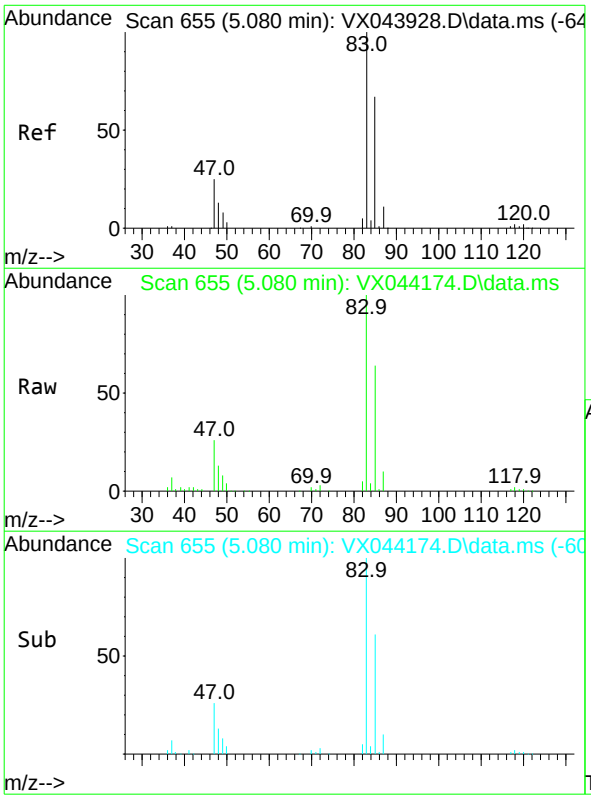
Ion	Ratio	Lower	Upper
42	100		
72	44.7	36.4	54.6
71	42.6	33.4	50.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

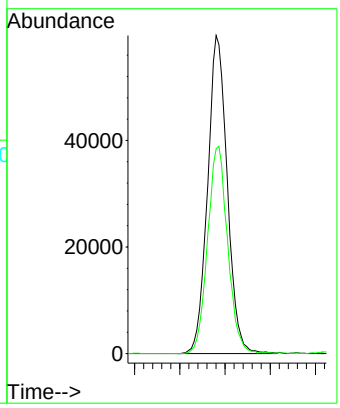


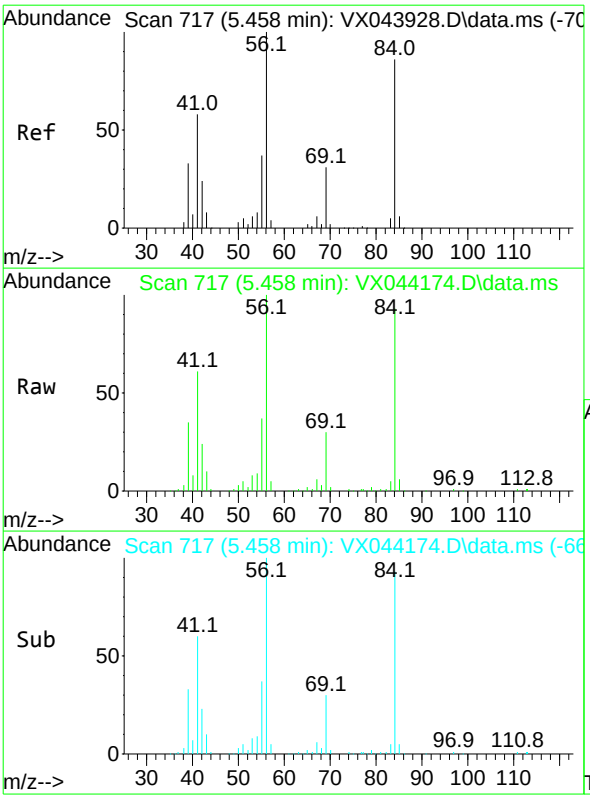


#30
Chloroform
Concen: 55.994 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 83 Resp: 180181

Ion	Ratio	Lower	Upper
83	100		
85	64.4	53.5	80.3





#31
Cyclohexane
Concen: 53.150 ug/l
RT: 5.458 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

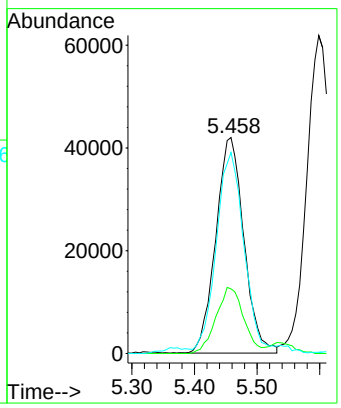
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

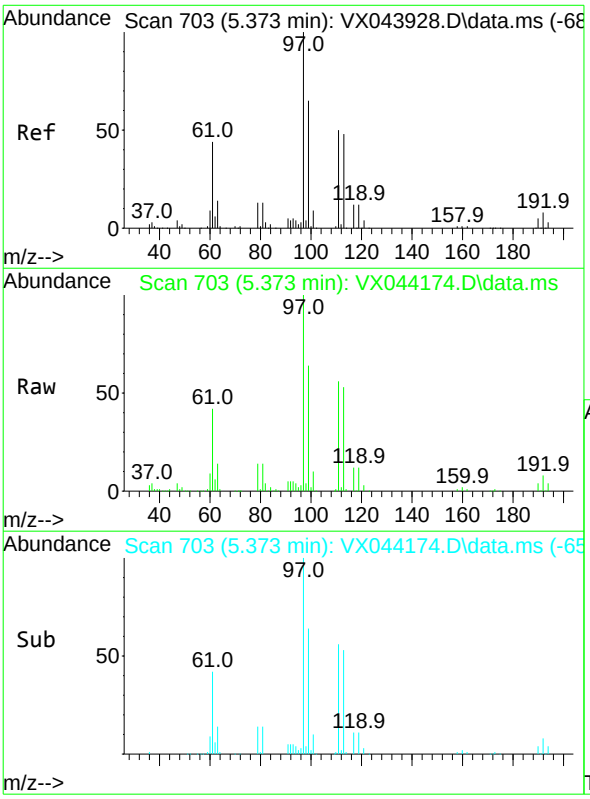
Tgt Ion: 56 Resp: 130877

Ion	Ratio	Lower	Upper
56	100		
69	30.0	24.7	37.1
84	90.6	68.7	103.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

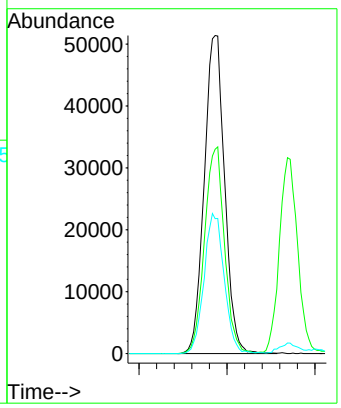


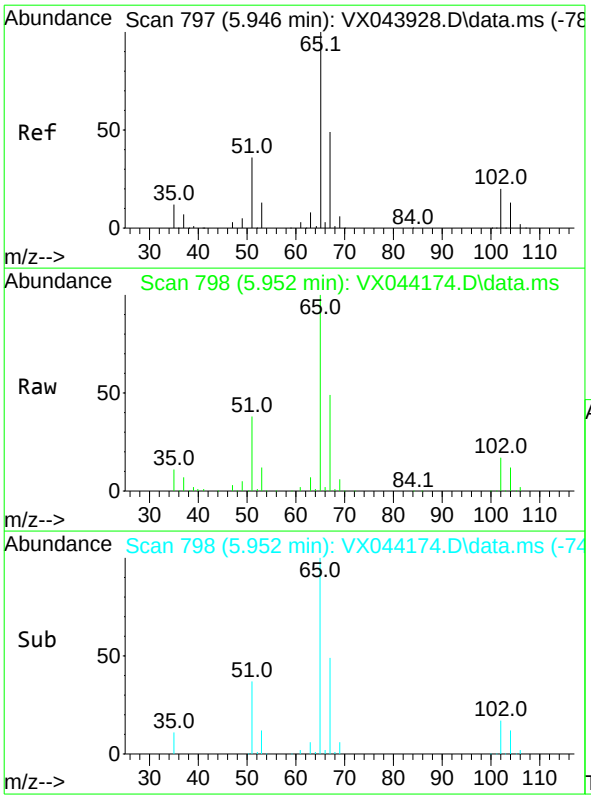


#32
1,1,1-Trichloroethane
Concen: 59.637 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 97 Resp: 165489

Ion	Ratio	Lower	Upper
97	100		
99	63.7	50.8	76.2
61	43.4	35.4	53.2





#33
1,2-Dichloroethane-d4
Concen: 50.931 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.006 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

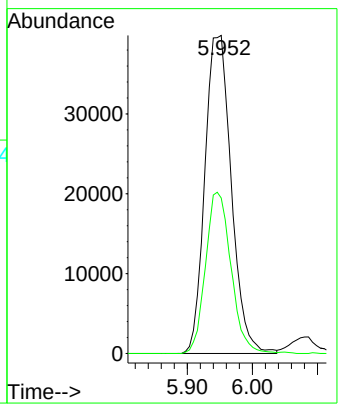
Tgt Ion: 65 Resp: 112526

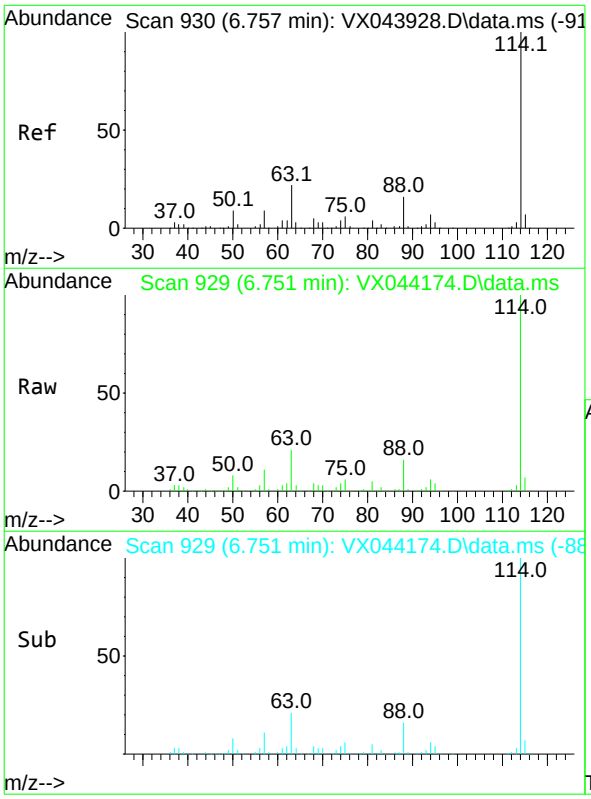
Ion	Ratio	Lower	Upper
65	100		
67	48.7	0.0	100.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

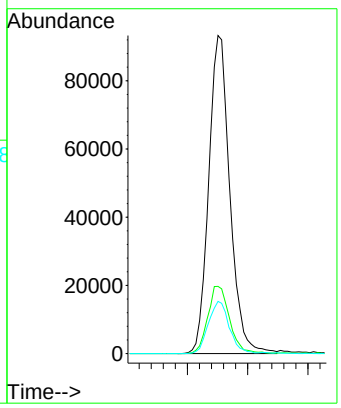


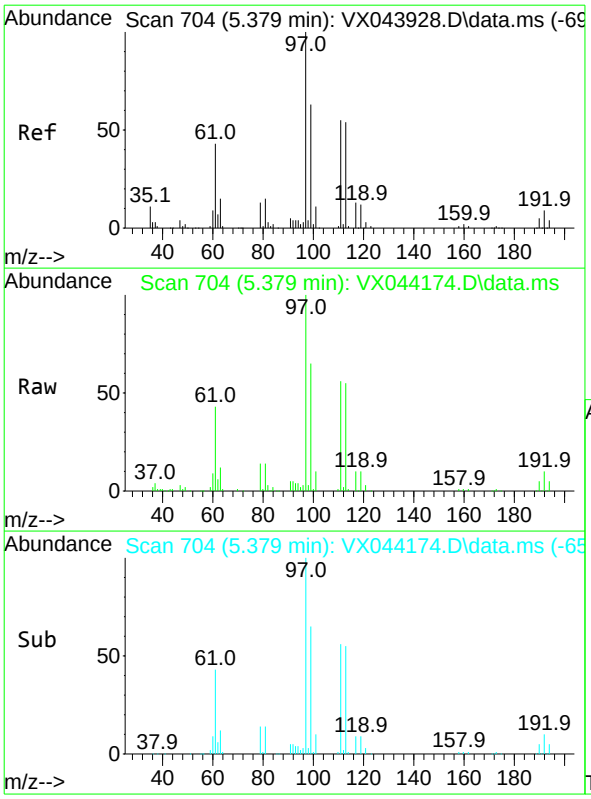


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion:114 Resp: 227273

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	44.0
88	16.4	0.0	32.4

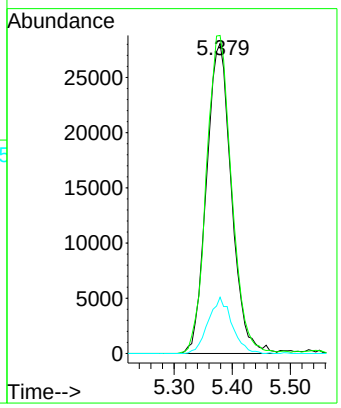




#35
Dibromofluoromethane
Concen: 51.481 ug/l
RT: 5.379 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion:113 Resp: 83604

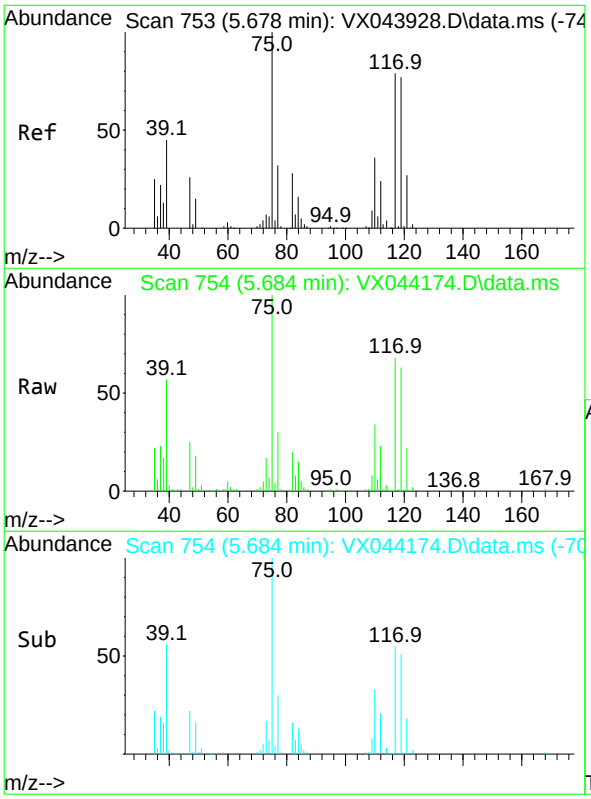
Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.0	121.4
192	17.2	13.0	19.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

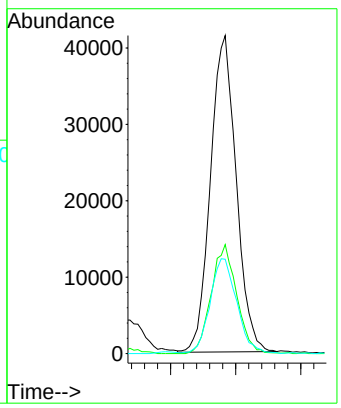
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

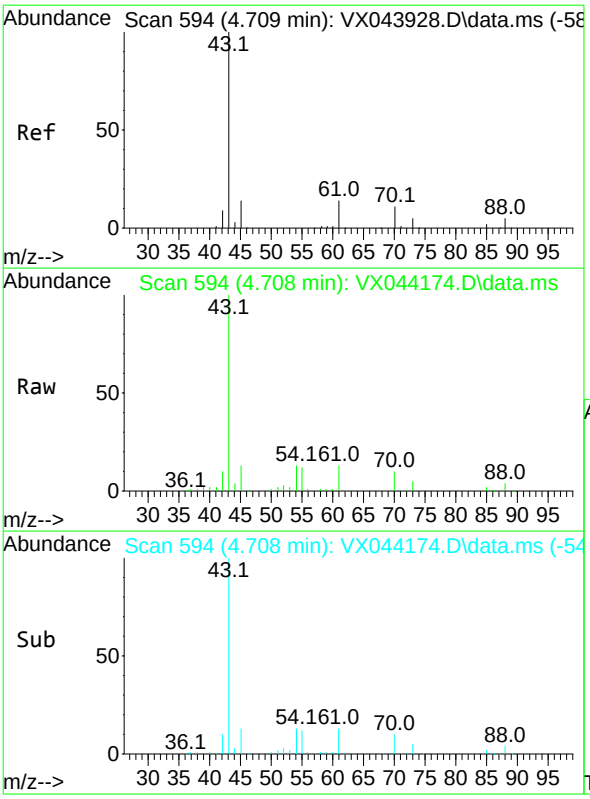


#36
1,1-Dichloropropene
Concen: 56.258 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 75 Resp: 113848

Ion	Ratio	Lower	Upper
75	100		
110	34.1	17.4	52.2
77	31.1	25.8	38.8





#37
Ethyl Acetate
Concen: 56.170 ug/l
RT: 4.708 min Scan# 59
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

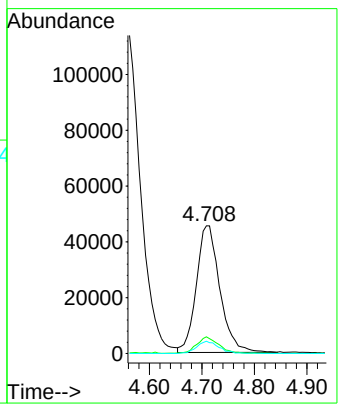
Tgt Ion: 43 Resp: 141102

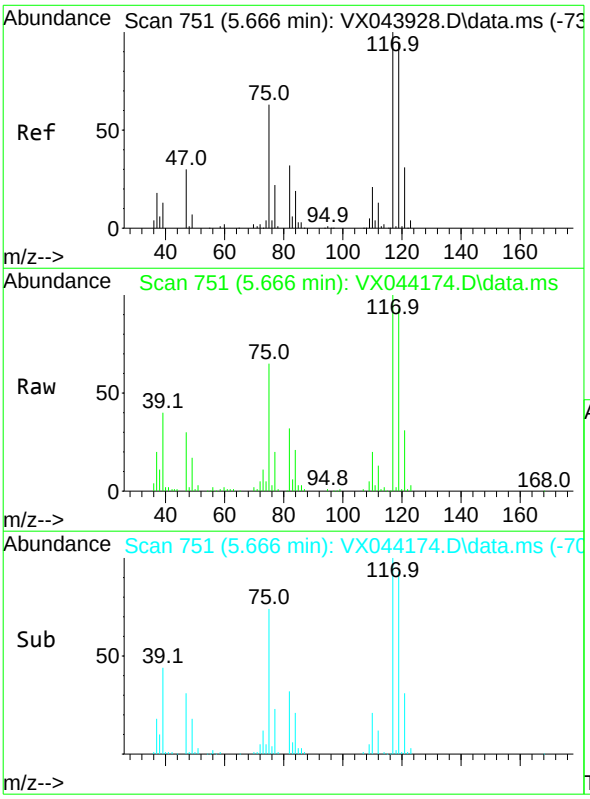
Ion	Ratio	Lower	Upper
43	100		
61	11.9	10.7	16.1
70	9.0	8.0	12.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

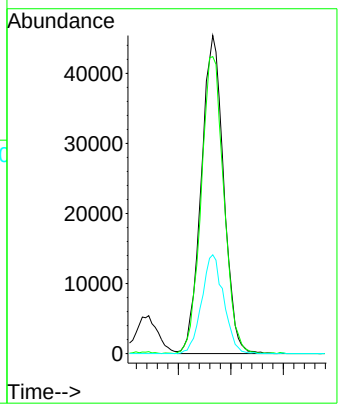


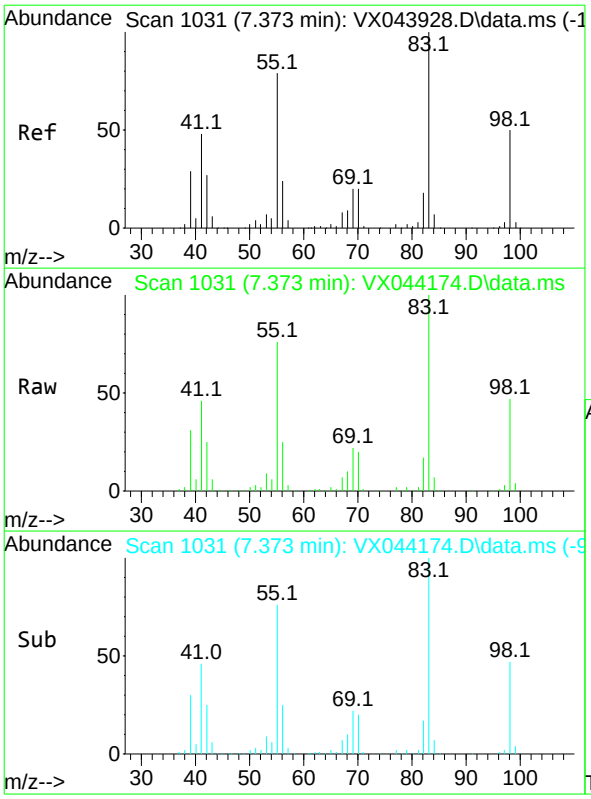


#38
Carbon Tetrachloride
Concen: 59.182 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion:117 Resp: 134573

Ion	Ratio	Lower	Upper
117	100		
119	93.4	75.2	112.8
121	31.1	24.5	36.7

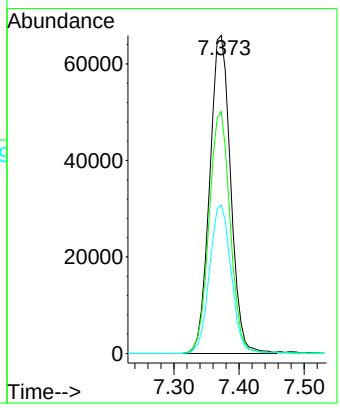




#39
Methylcyclohexane
Concen: 56.127 ug/l
RT: 7.373 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 83 Resp: 147558

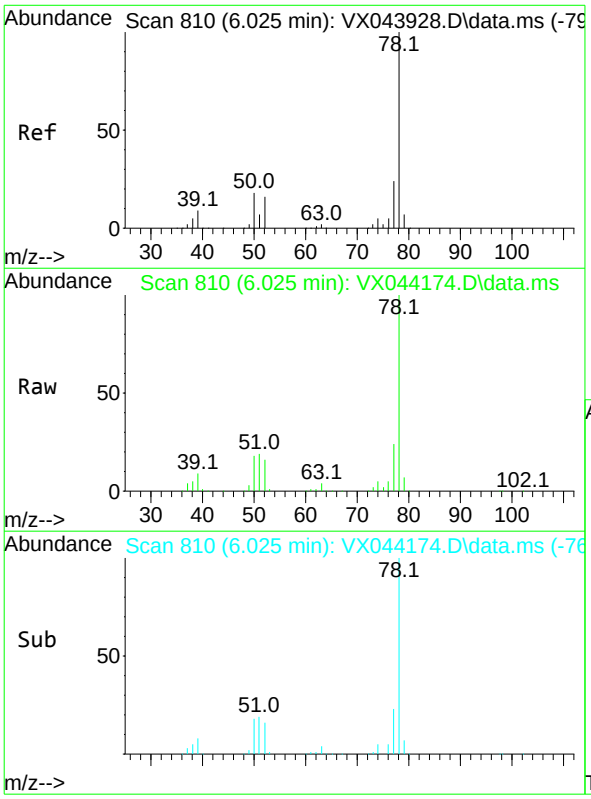
Ion	Ratio	Lower	Upper
83	100		
55	76.1	63.1	94.7
98	46.7	40.0	60.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

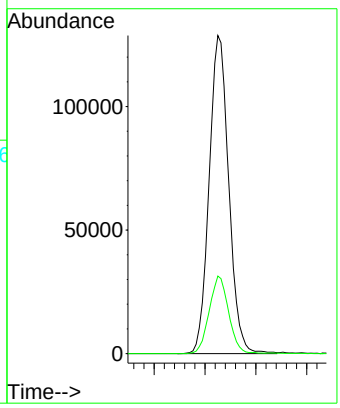
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

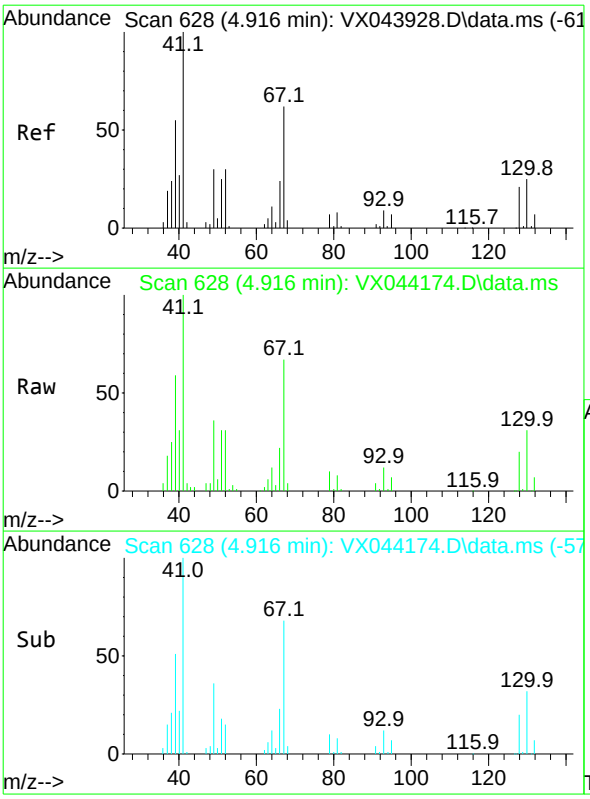


#40
Benzene
Concen: 54.597 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 78 Resp: 344158

Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.2	28.8

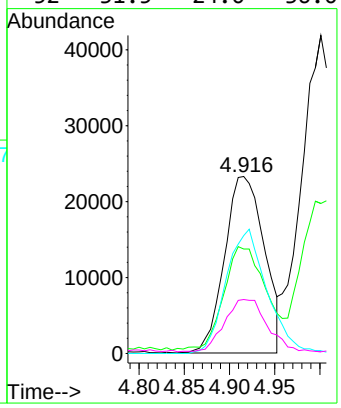




#41
Methacrylonitrile
Concen: 55.276 ug/l
RT: 4.916 min Scan# 62
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 41 Resp: 71068

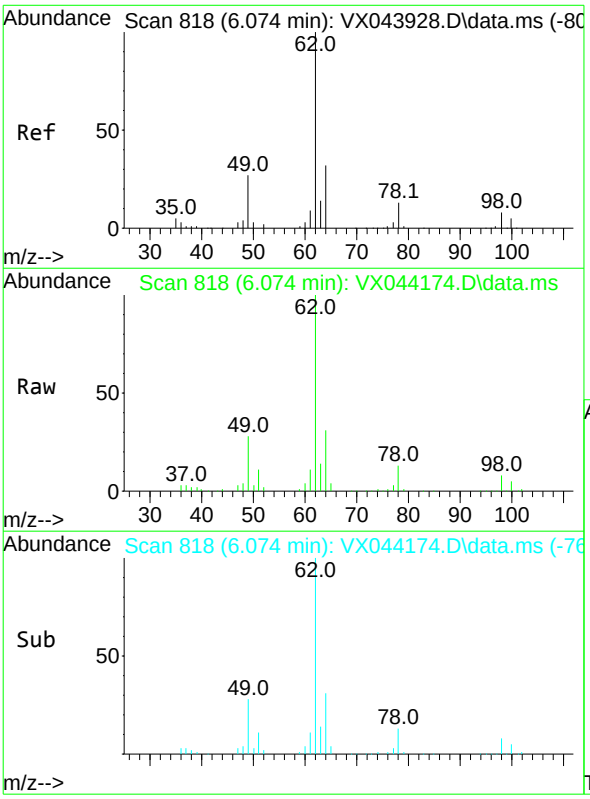
Ion	Ratio	Lower	Upper
41	100		
39	62.1	41.7	62.5
67	72.7	55.8	83.8
52	31.5	24.0	36.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

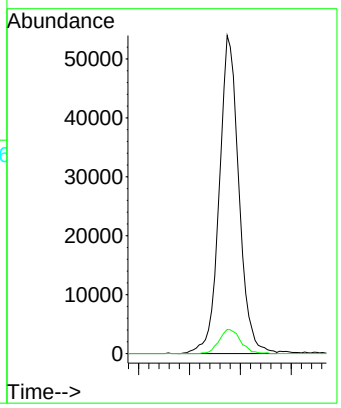
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

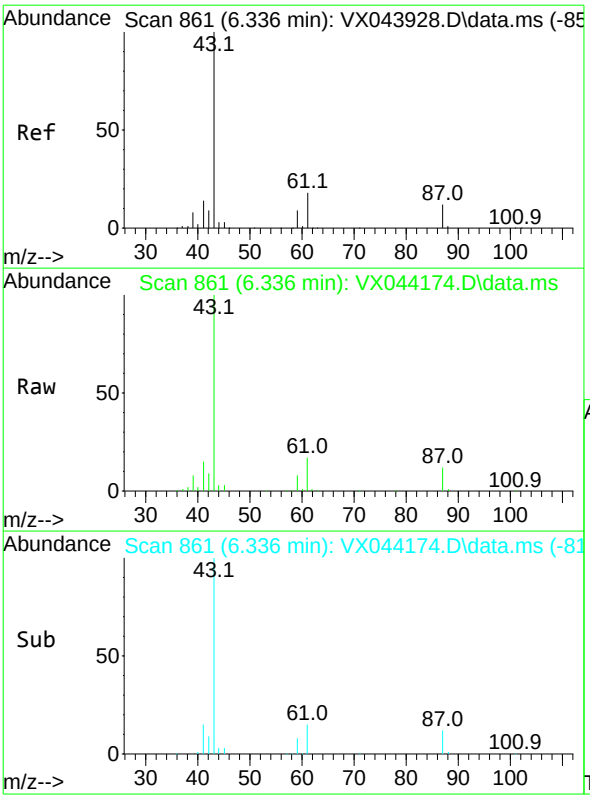


#42
1,2-Dichloroethane
Concen: 57.138 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 62 Resp: 144654

Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.4





#43
Isopropyl Acetate
Concen: 57.468 ug/l
RT: 6.336 min Scan# 86
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

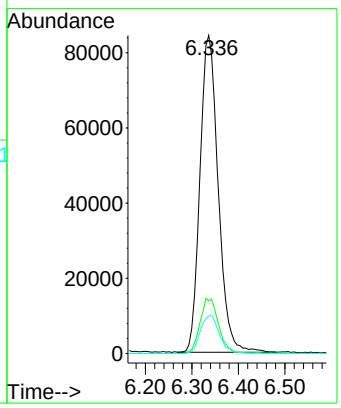
Tgt Ion: 43 Resp: 229745

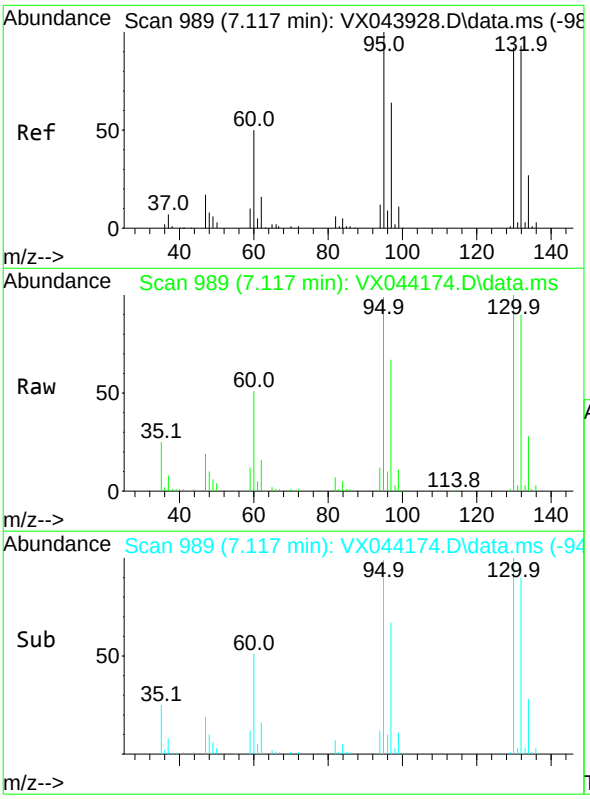
Ion	Ratio	Lower	Upper
43	100		
61	17.6	14.5	21.7
87	12.4	10.2	15.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

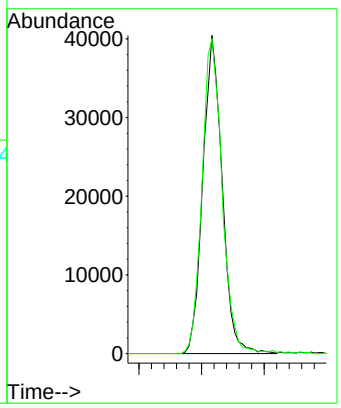


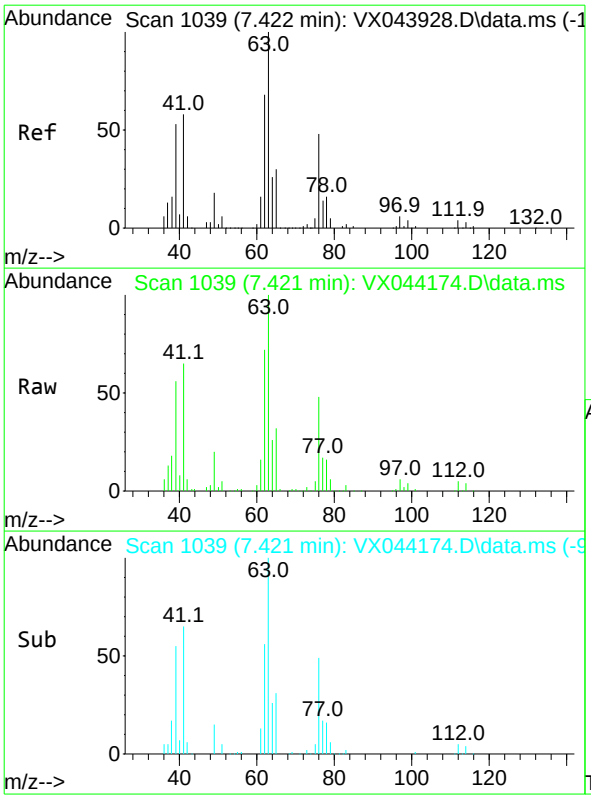


#44
Trichloroethene
Concen: 48.503 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion:130 Resp: 86553

Ion	Ratio	Lower	Upper
130	100		
95	99.0	0.0	217.8

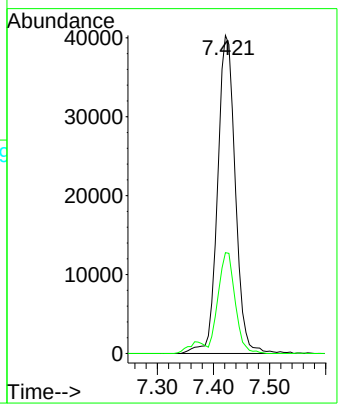




#45
1,2-Dichloropropane
Concen: 57.290 ug/l
RT: 7.421 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 63 Resp: 88451

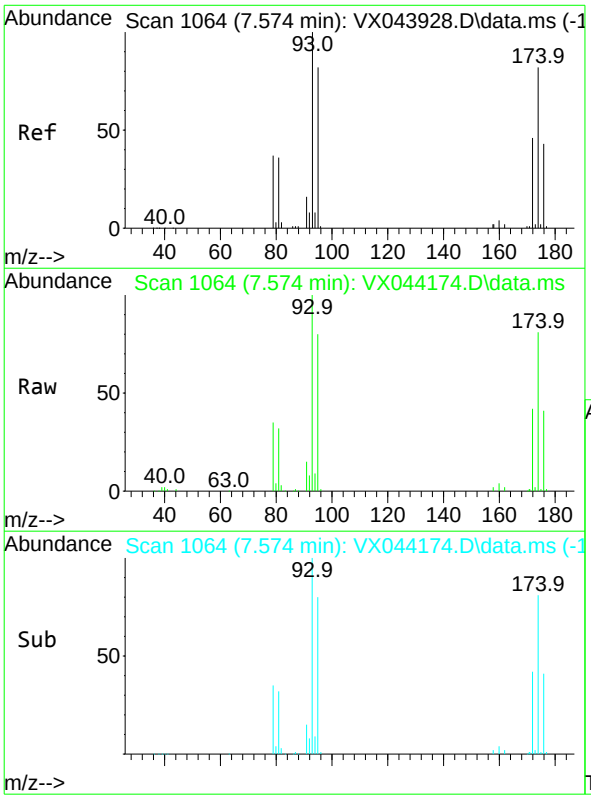
Ion	Ratio	Lower	Upper
63	100		
65	31.7	23.8	35.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

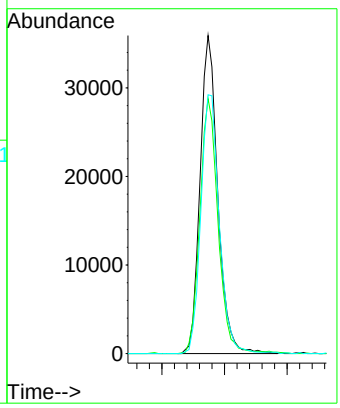
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

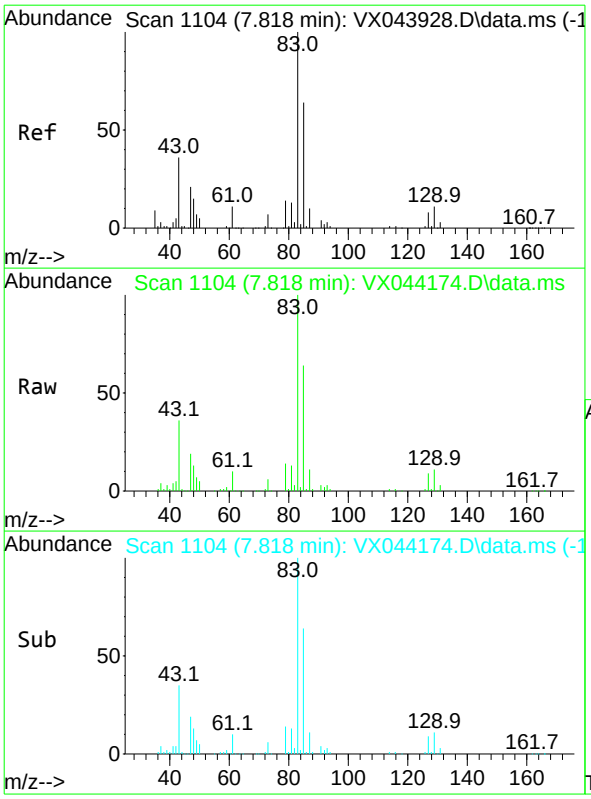


#46
Dibromomethane
Concen: 57.782 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 93 Resp: 70569

Ion	Ratio	Lower	Upper
93	100		
95	82.8	66.2	99.4
174	84.8	69.6	104.4

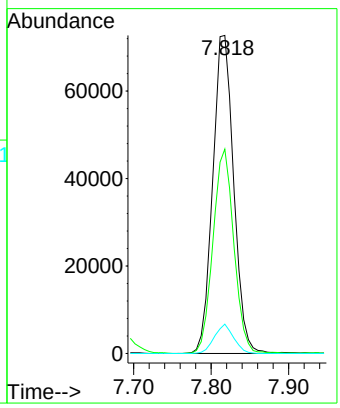




#47
Bromodichloromethane
Concen: 62.329 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 83 Resp: 136522

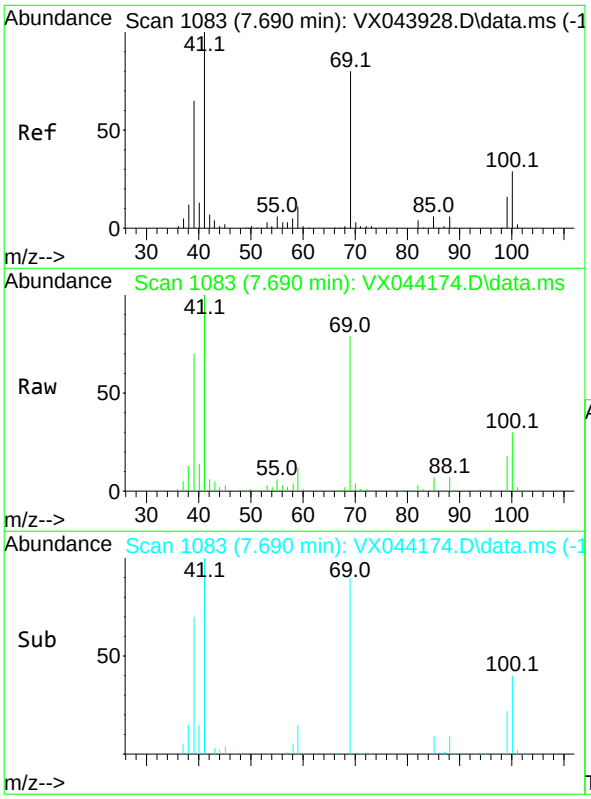
Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.4	77.0
127	9.2	6.6	10.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

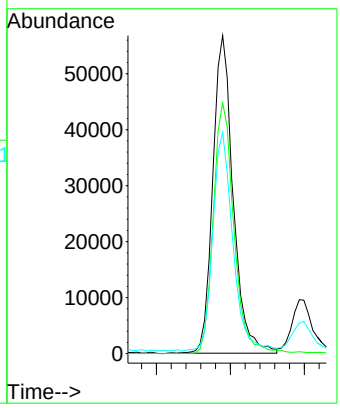
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

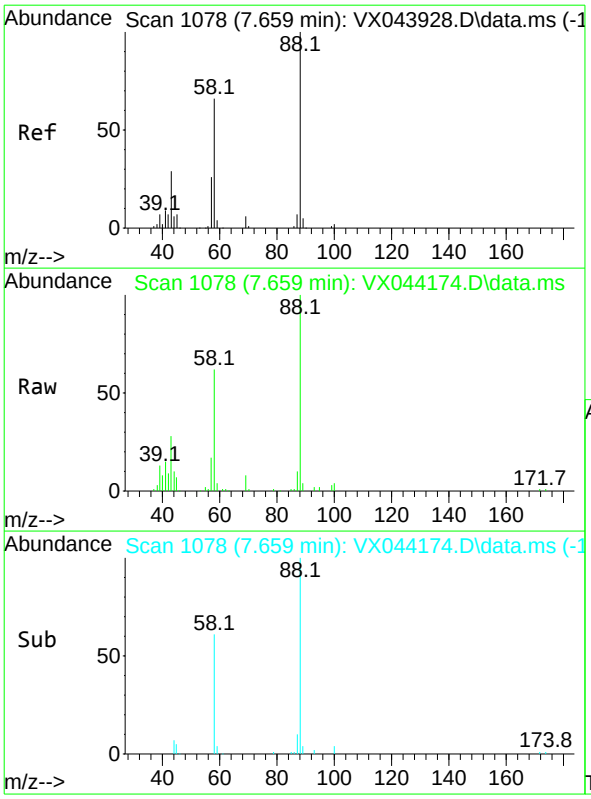


#48
Methyl methacrylate
Concen: 56.476 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 41 Resp: 108338

Ion	Ratio	Lower	Upper
41	100		
69	80.2	64.6	97.0
39	67.7	53.3	79.9

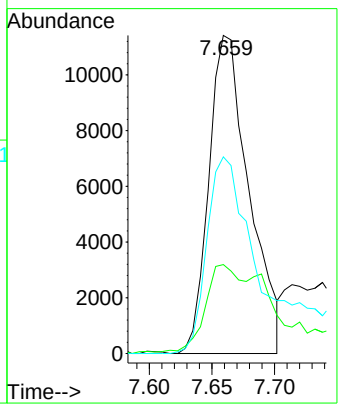




#49
1,4-Dioxane
Concen: 748.393 ug/l
RT: 7.659 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 88 Resp: 25573

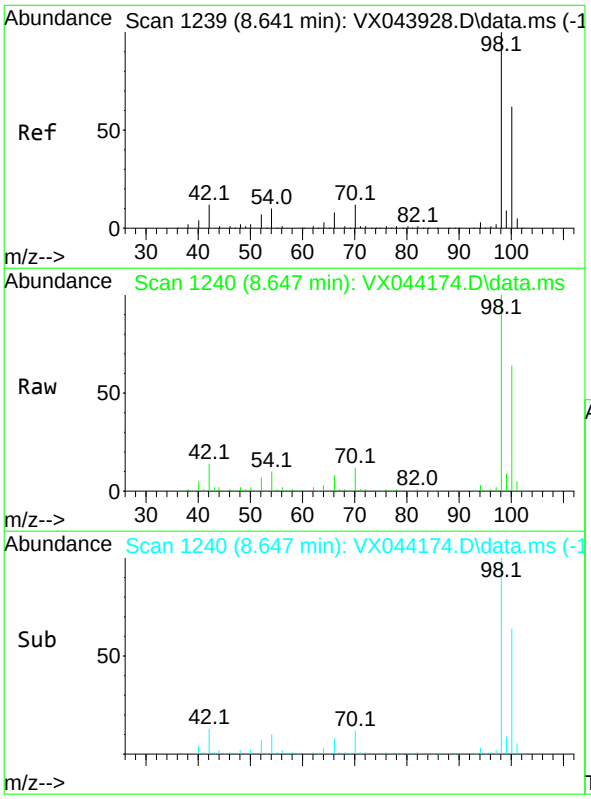
Ion	Ratio	Lower	Upper
88	100		
43	26.9	26.8	40.2
58	81.6	45.4	68.2#



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

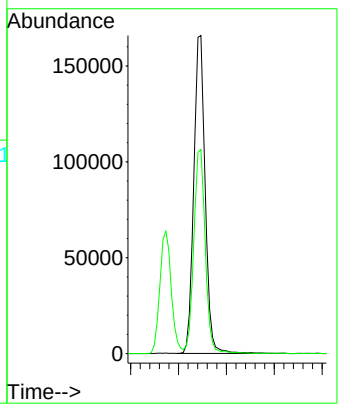
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

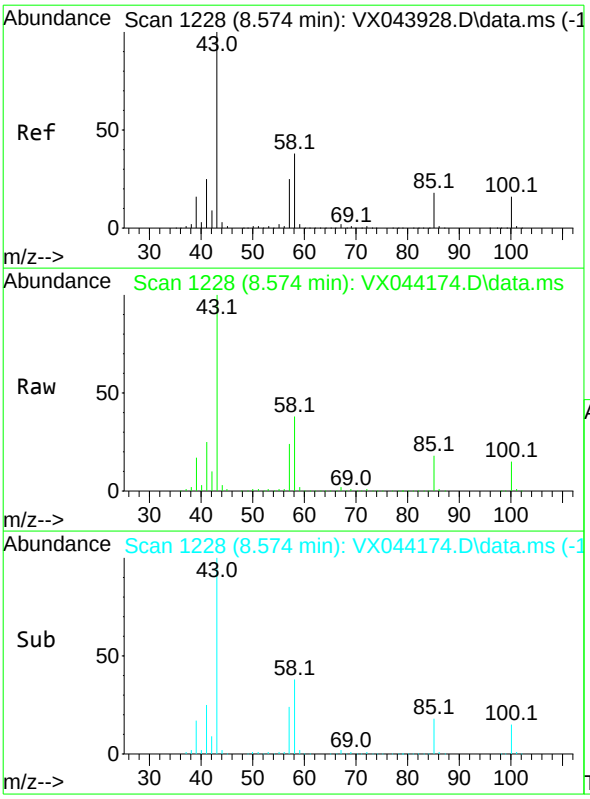


#50
Toluene-d8
Concen: 48.907 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 98 Resp: 273781

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.6	79.0

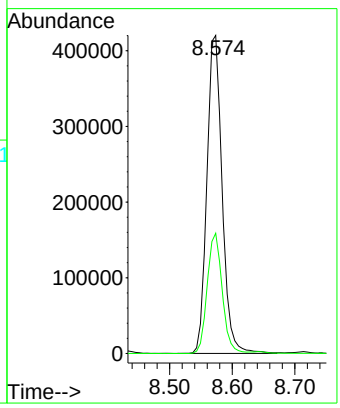




#51
4-Methyl-2-Pentanone
Concen: 291.699 ug/l
RT: 8.574 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 43 Resp: 711641

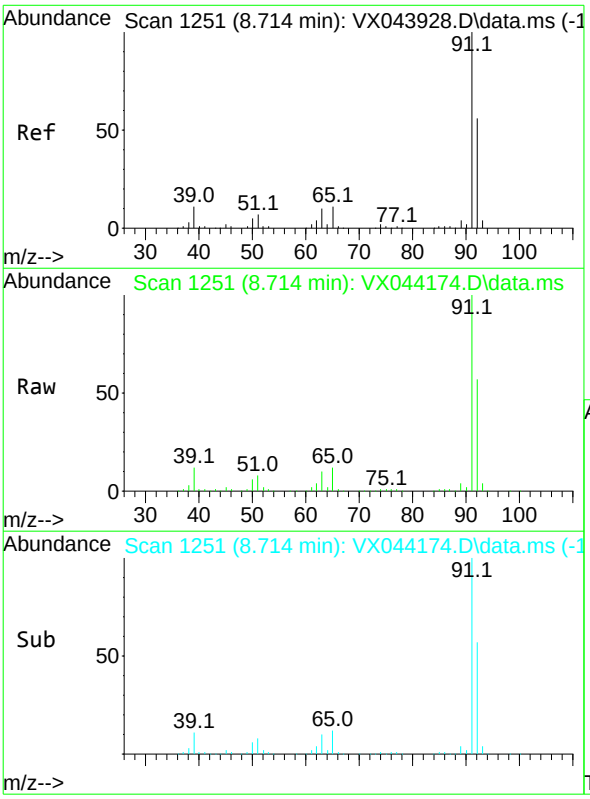
Ion	Ratio	Lower	Upper
43	100		
58	37.1	30.0	45.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

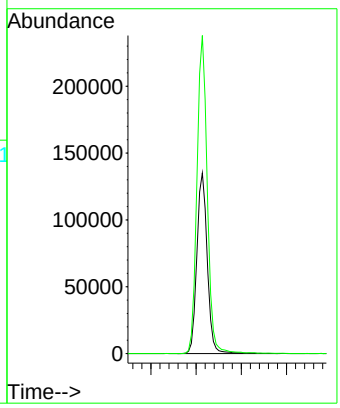
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

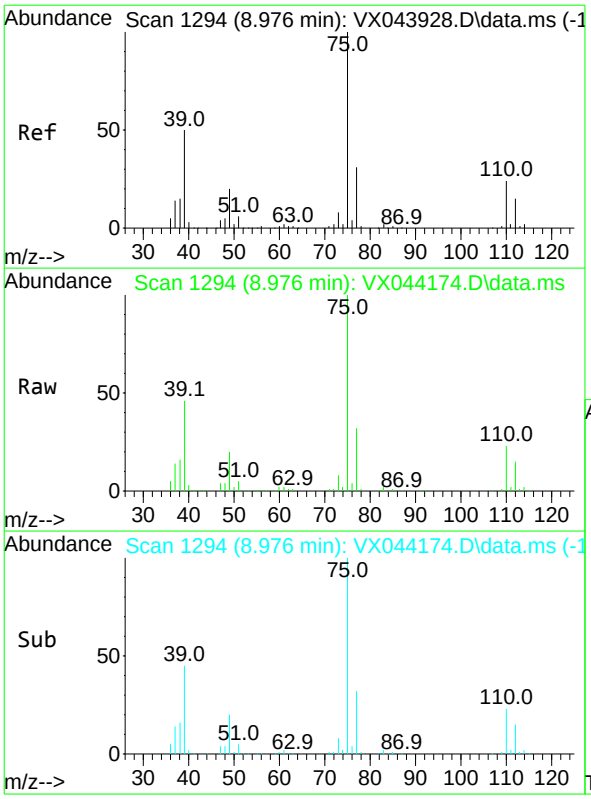


#52
Toluene
Concen: 57.015 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 92 Resp: 215112

Ion	Ratio	Lower	Upper
92	100		
91	174.8	139.7	209.5

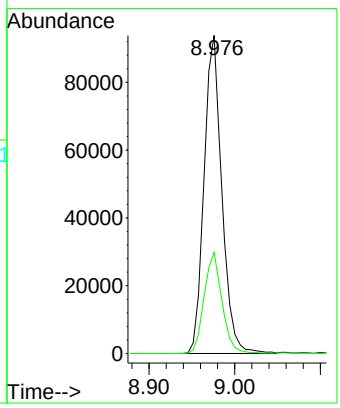




#53
t-1,3-Dichloropropene
Concen: 60.514 ug/l
RT: 8.976 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 75 Resp: 135167

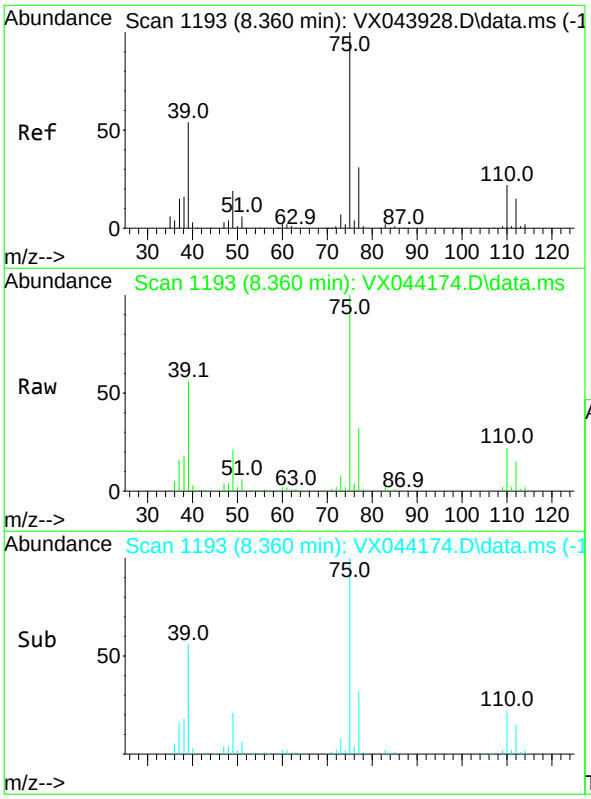
Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

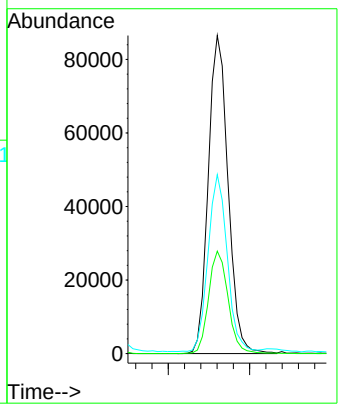
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

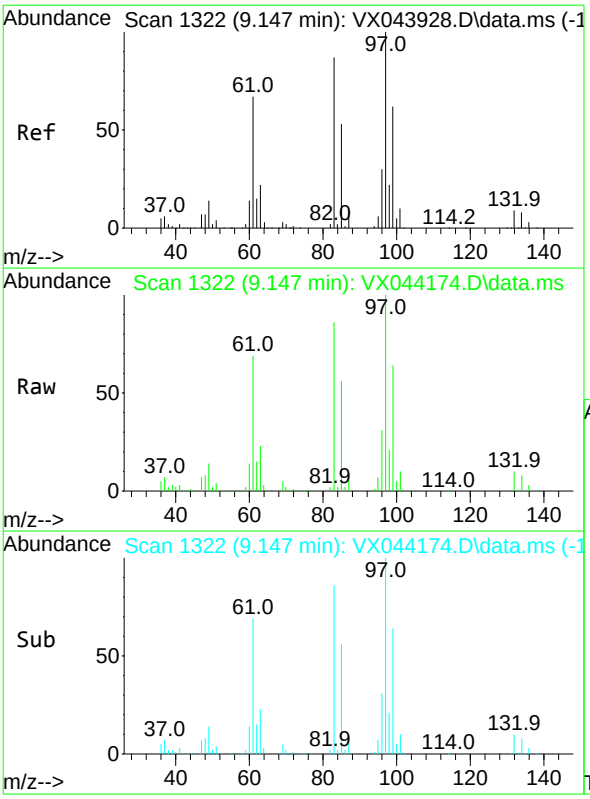


#54
cis-1,3-Dichloropropene
Concen: 59.699 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 75 Resp: 146180

Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.2	37.8
39	55.6	43.1	64.7

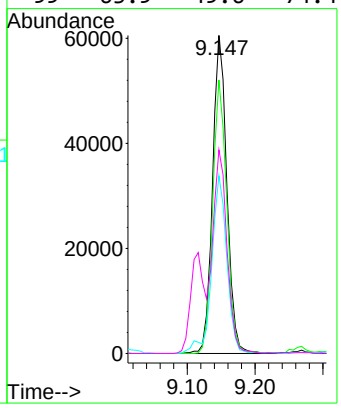




#55
1,1,2-Trichloroethane
Concen: 57.058 ug/l
RT: 9.147 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 97 Resp: 88864

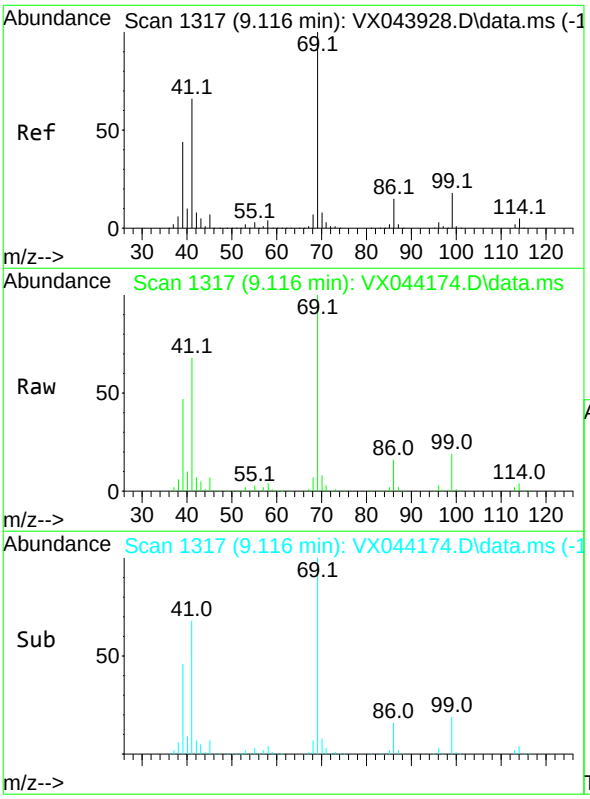
Ion	Ratio	Lower	Upper
97	100		
83	86.0	69.4	104.0
85	55.9	42.3	63.5
99	63.9	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

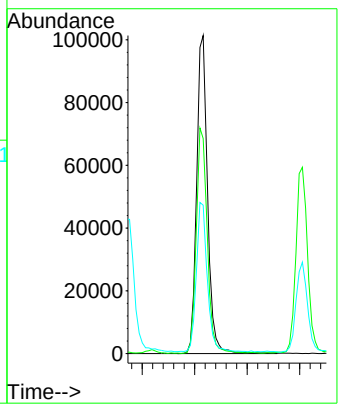
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

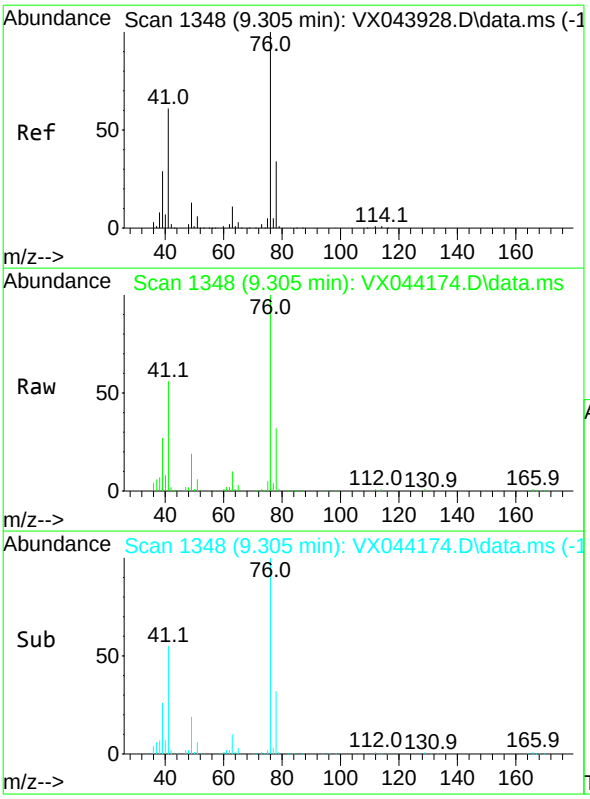


#56
Ethyl methacrylate
Concen: 60.237 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 69 Resp: 146127

Ion	Ratio	Lower	Upper
69	100		
41	71.2	55.8	83.8
39	47.0	36.7	55.1

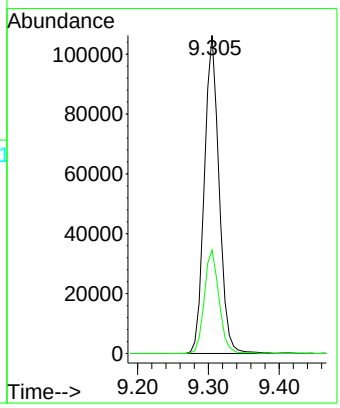




#57
1,3-Dichloropropane
Concen: 58.519 ug/l
RT: 9.305 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 76 Resp: 153530

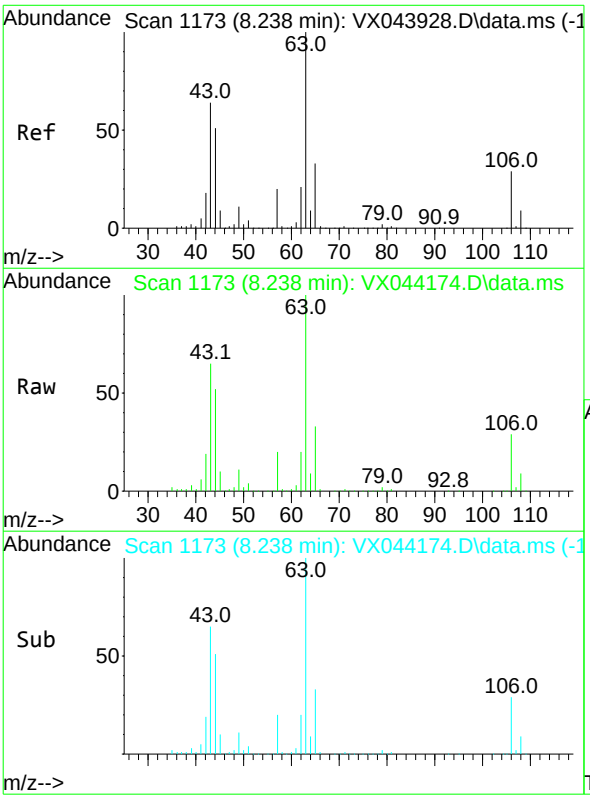
Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

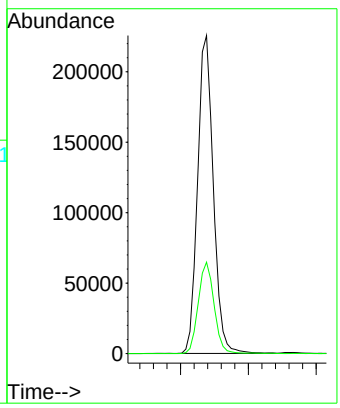
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

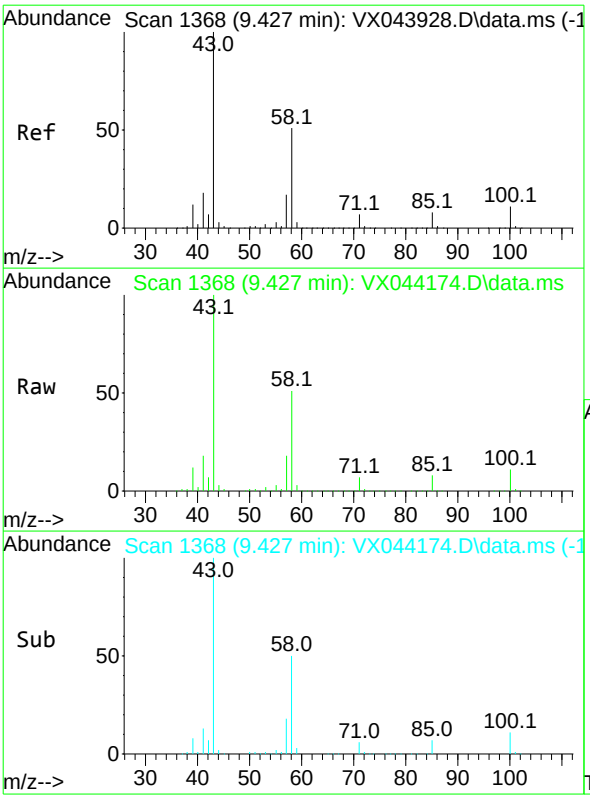


#58
2-Chloroethyl Vinyl ether
Concen: 272.768 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 63 Resp: 362299

Ion	Ratio	Lower	Upper
63	100		
106	28.8	23.0	34.6





#59
2-Hexanone
Concen: 296.330 ug/l
RT: 9.427 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

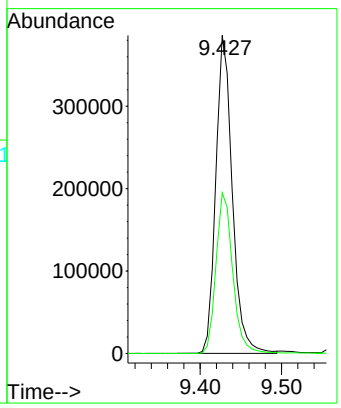
Tgt Ion: 43 Resp: 543380

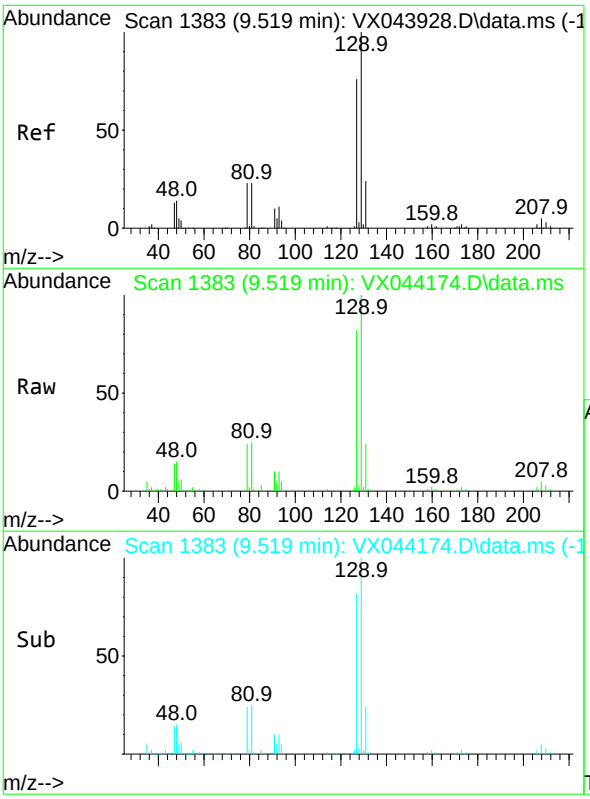
Ion	Ratio	Lower	Upper
43	100		
58	51.2	25.9	77.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

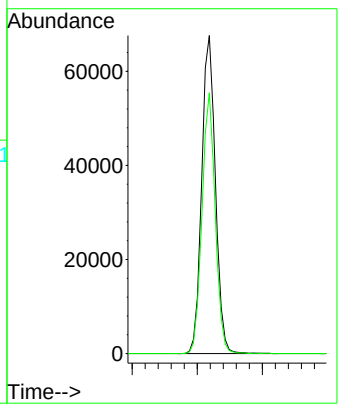


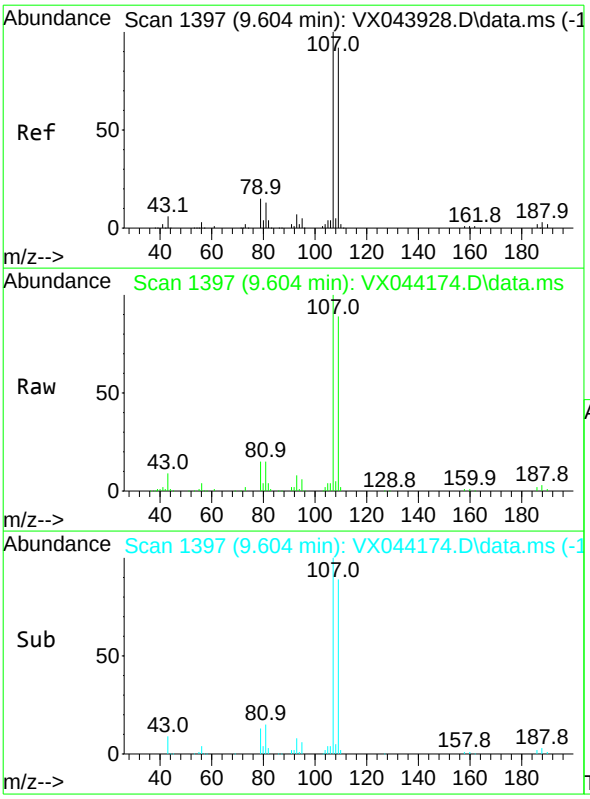


#60
Dibromochloromethane
Concen: 63.187 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion:129 Resp: 98737

Ion	Ratio	Lower	Upper
129	100		
127	79.1	38.2	114.6

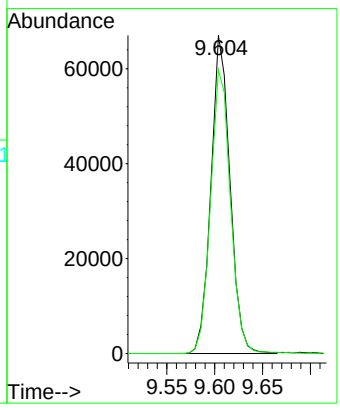




#61
1,2-Dibromoethane
Concen: 58.852 ug/l
RT: 9.604 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion:107 Resp: 92681

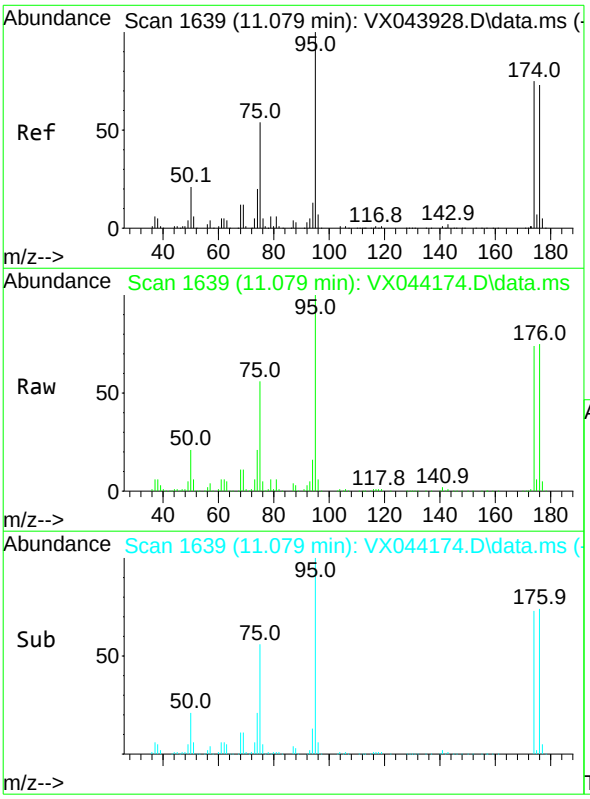
Ion	Ratio	Lower	Upper
107	100		
109	93.4	75.2	112.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

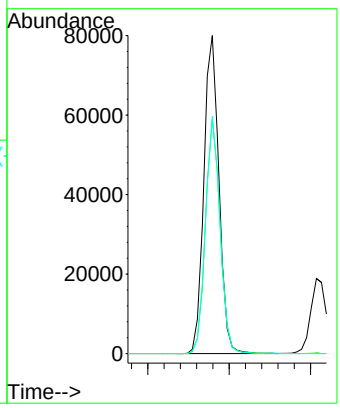
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

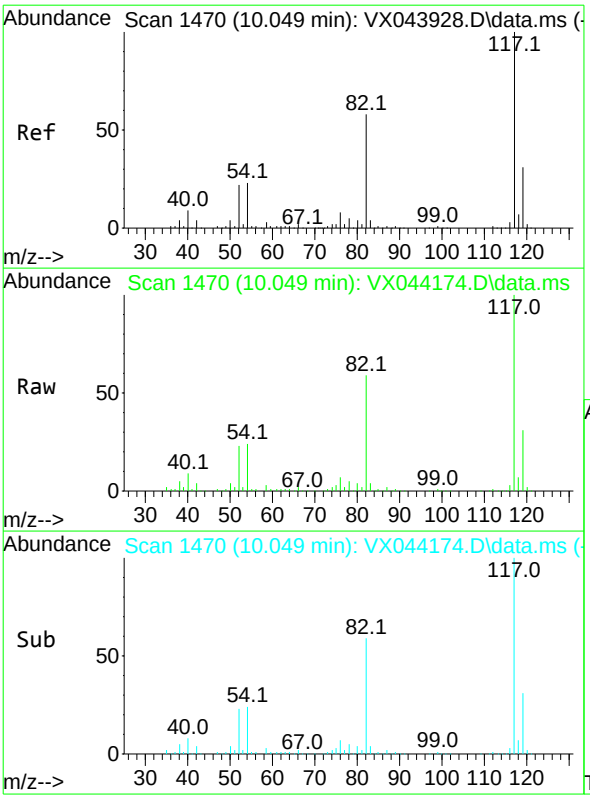


#62
4-Bromofluorobenzene
Concen: 53.924 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 95 Resp: 102733

Ion	Ratio	Lower	Upper
95	100		
174	72.1	0.0	150.4
176	71.8	0.0	146.0

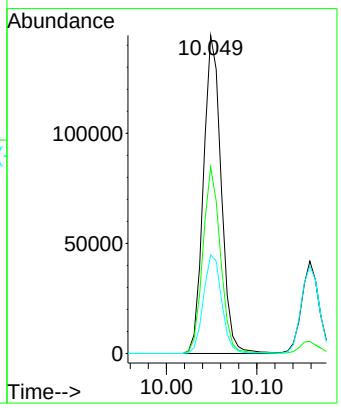




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion:117 Resp: 196952

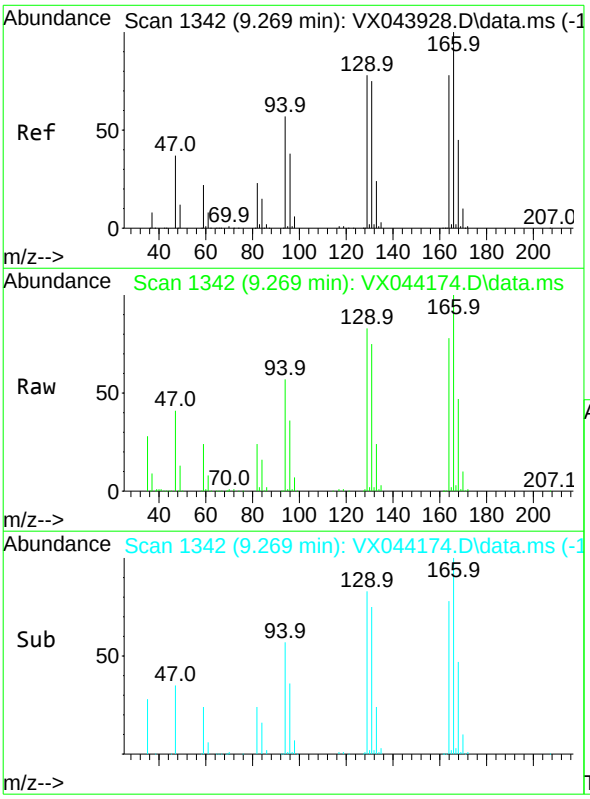
Ion	Ratio	Lower	Upper
117	100		
82	58.6	46.4	69.6
119	31.0	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

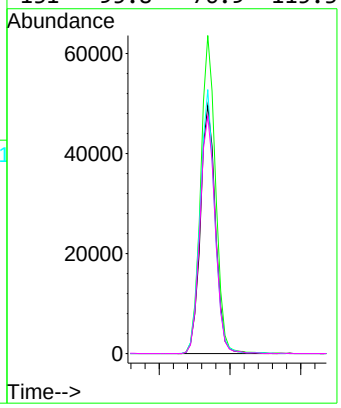
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

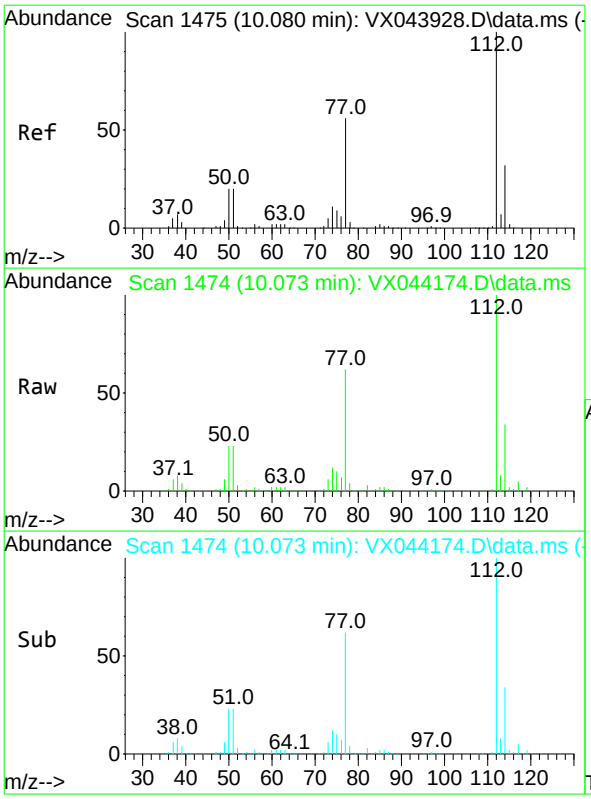


#64
Tetrachloroethene
Concen: 56.432 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion:164 Resp: 73287

Ion	Ratio	Lower	Upper
164	100		
166	128.3	102.1	153.1
129	106.5	79.6	119.4
131	95.8	76.9	115.3

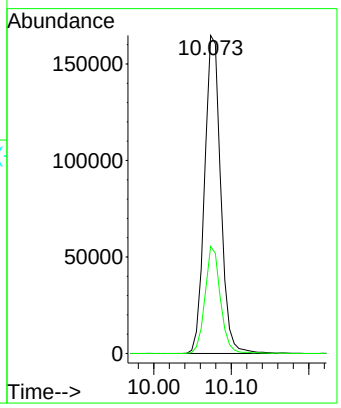




#65
Chlorobenzene
Concen: 54.997 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion:112 Resp: 237896

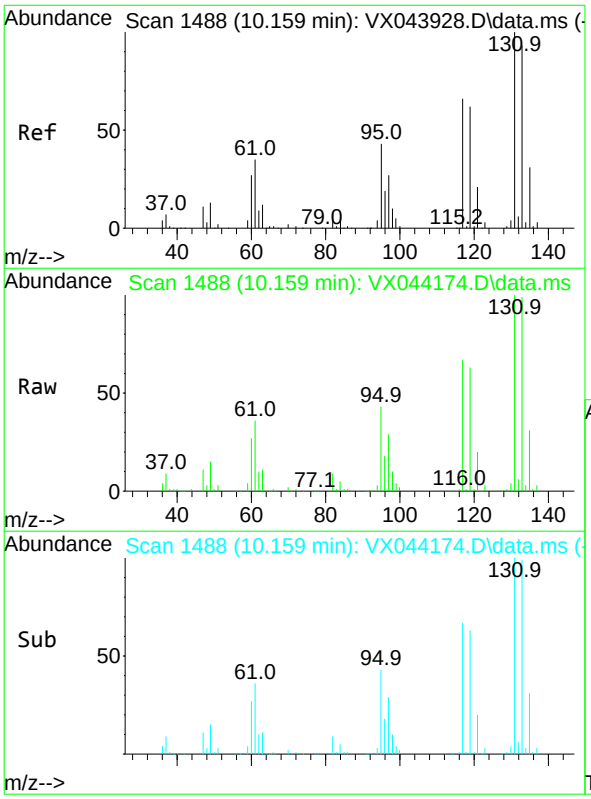
Ion	Ratio	Lower	Upper
112	100		
114	33.7	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

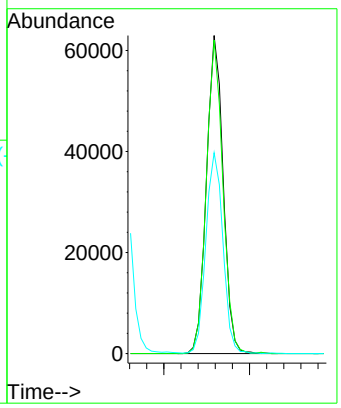
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

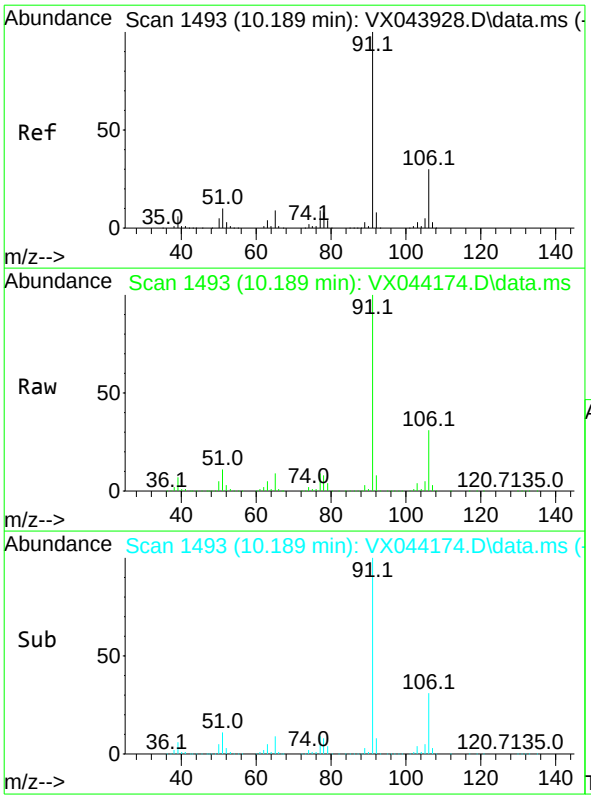


#66
1,1,1,2-Tetrachloroethane
Concen: 60.723 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion:131 Resp: 85186

Ion	Ratio	Lower	Upper
131	100		
133	97.5	48.2	144.6
119	64.6	31.5	94.5





#67
Ethyl Benzene
Concen: 58.352 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

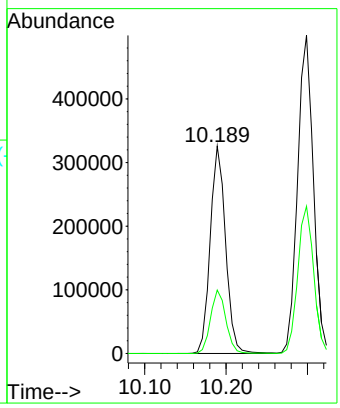
Tgt Ion: 91 Resp: 427705

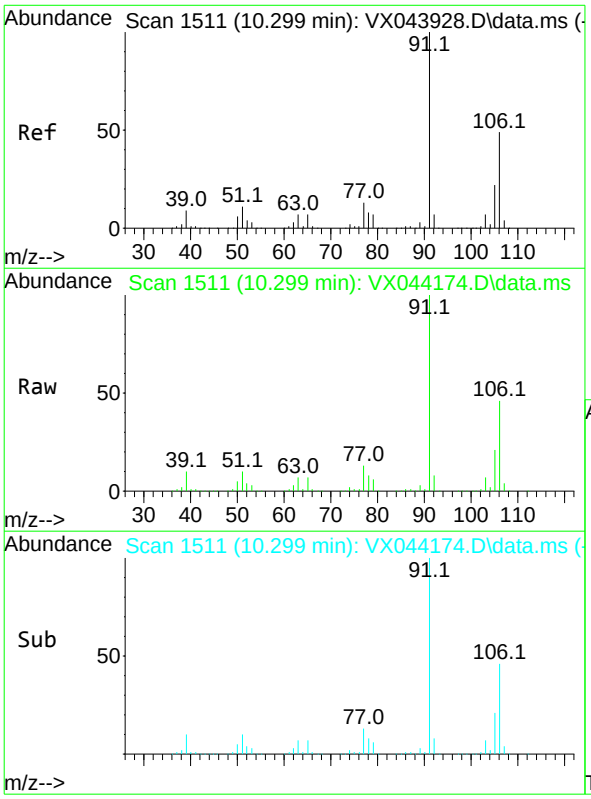
Ion	Ratio	Lower	Upper
91	100		
106	30.6	23.6	35.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

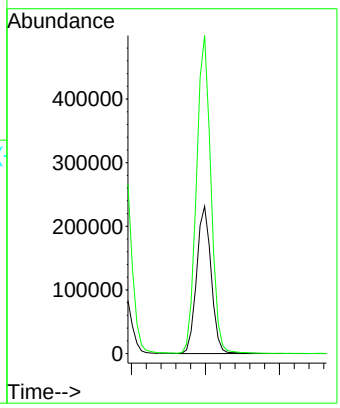


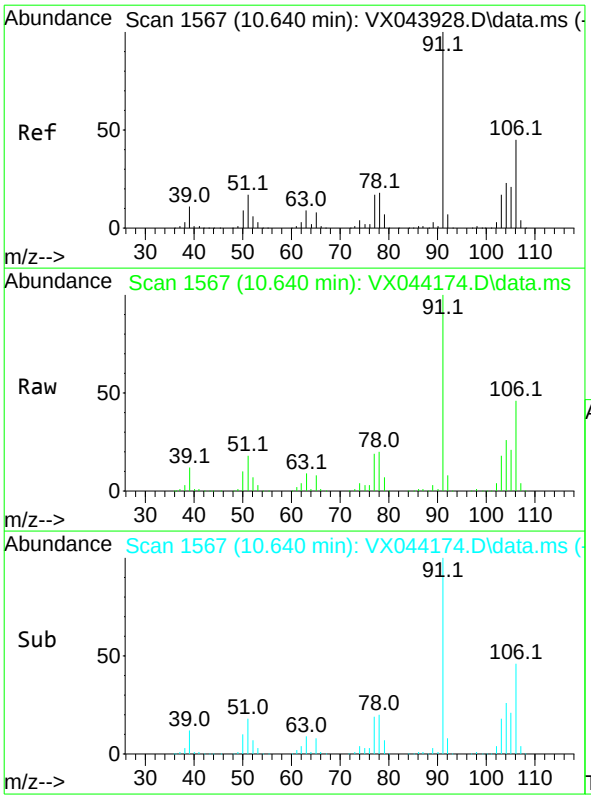


#68
m/p-Xylenes
Concen: 115.254 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion:106 Resp: 315039

Ion	Ratio	Lower	Upper
106	100		
91	214.5	168.1	252.1

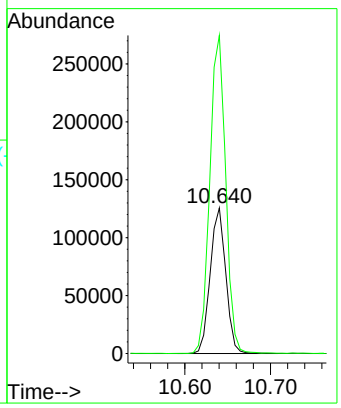




#69
o-Xylene
Concen: 59.412 ug/l
RT: 10.640 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion:106 Resp: 158561

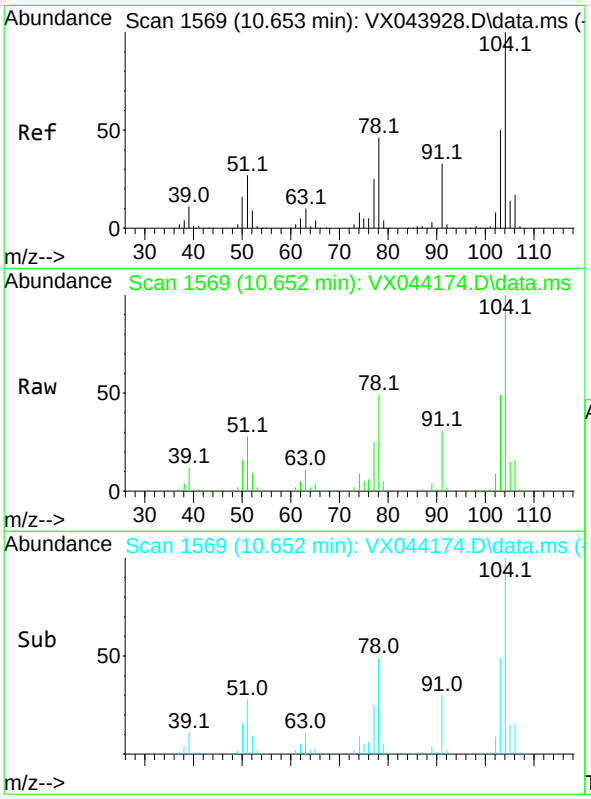
Ion	Ratio	Lower	Upper
106	100		
91	223.2	110.2	330.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

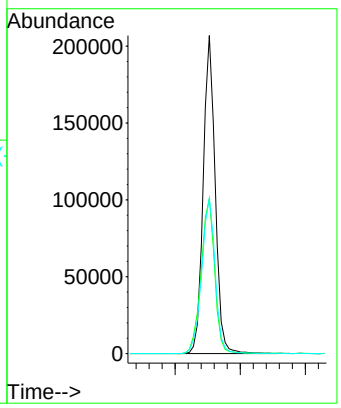
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

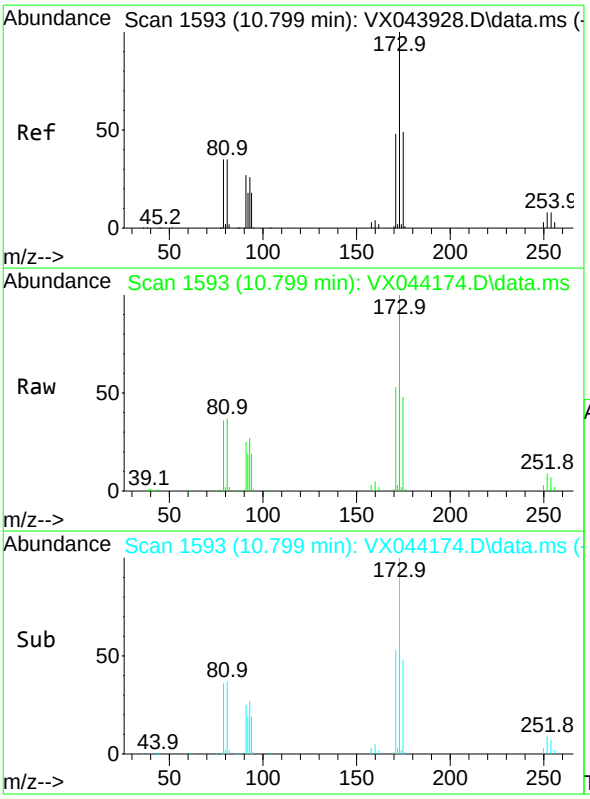


#70
Styrene
Concen: 59.859 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion:104 Resp: 264223

Ion	Ratio	Lower	Upper
104	100		
78	55.3	42.2	63.2
103	55.0	44.7	67.1





#71
Bromoform
Concen: 56.868 ug/l
RT: 10.799 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

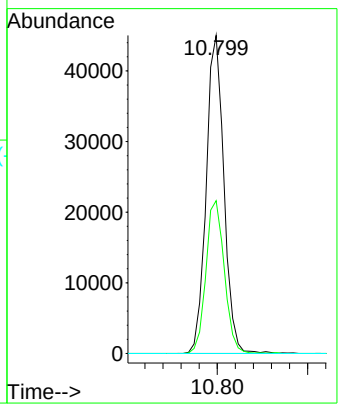
Tgt Ion:173 Resp: 61264

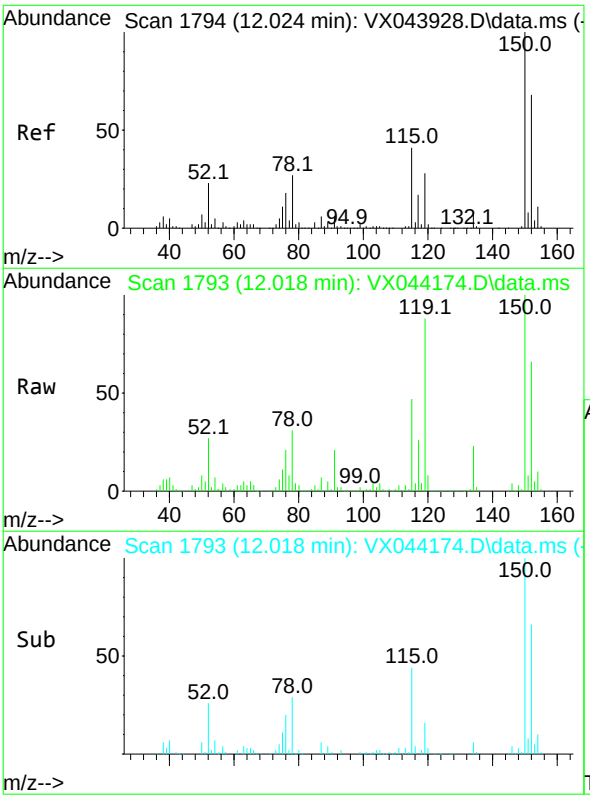
Ion	Ratio	Lower	Upper
173	100		
175	49.9	24.1	72.2
254	0.0	0.0	0.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

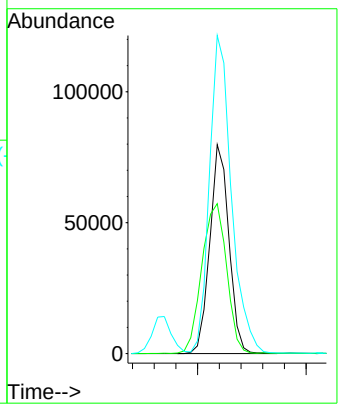


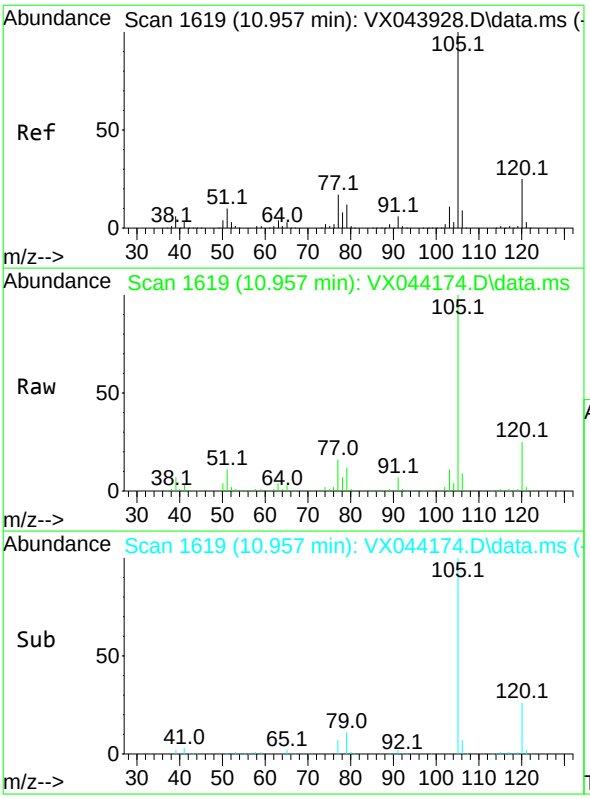


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion:152 Resp: 97559

Ion	Ratio	Lower	Upper
152	100		
115	93.7	45.4	136.2
150	175.2	0.0	353.0





#73
Isopropylbenzene
Concen: 55.131 ug/l
RT: 10.957 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

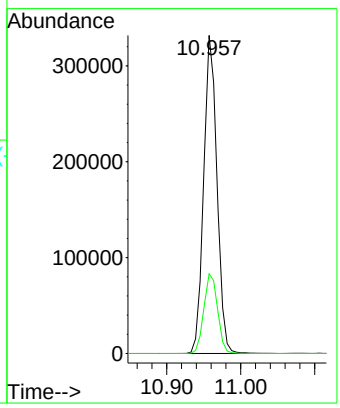
Tgt Ion:105 Resp: 413444

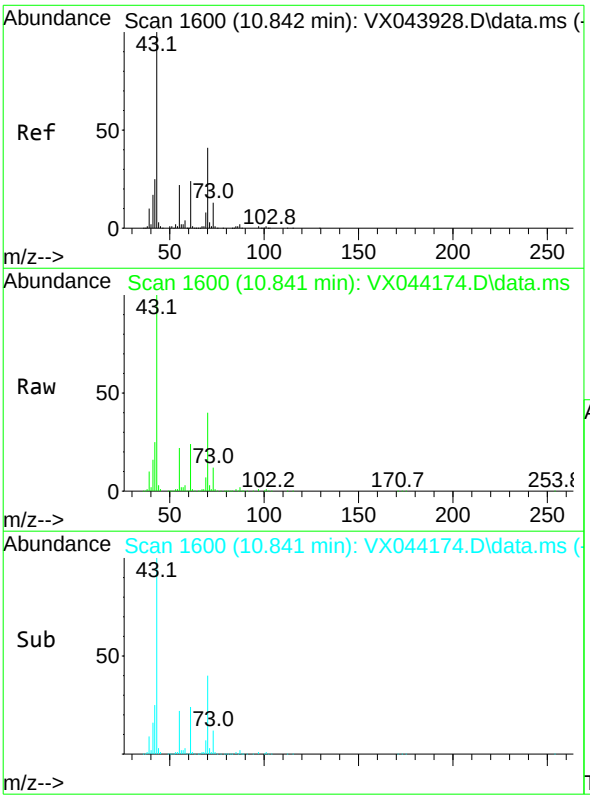
Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.0	38.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

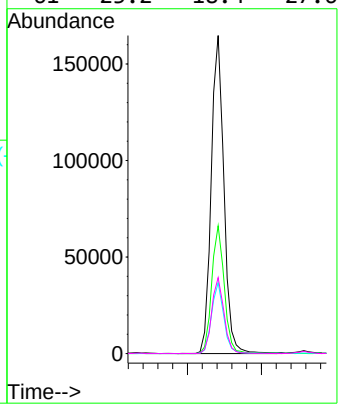


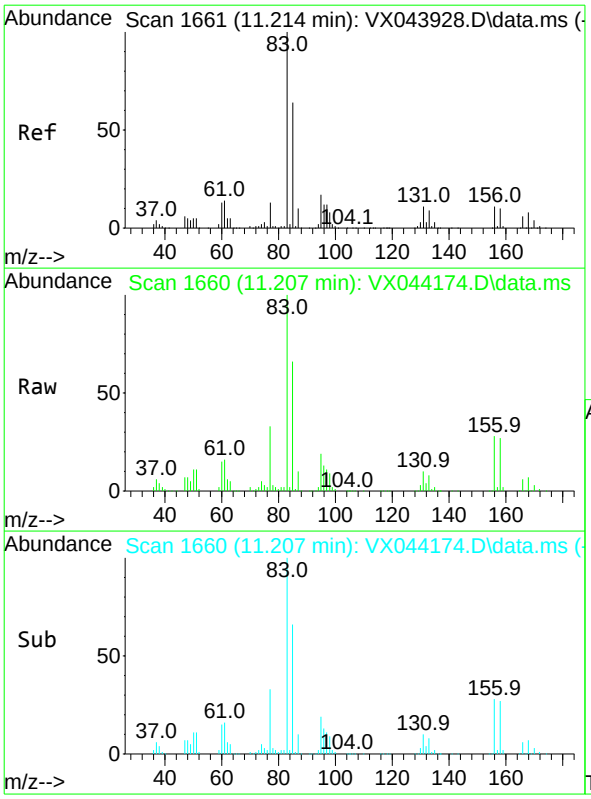


#74
N-amyl acetate
Concen: 56.557 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 43 Resp: 196483

Ion	Ratio	Lower	Upper
43	100		
70	39.7	32.2	48.2
55	21.5	18.1	27.1
61	23.2	18.4	27.6

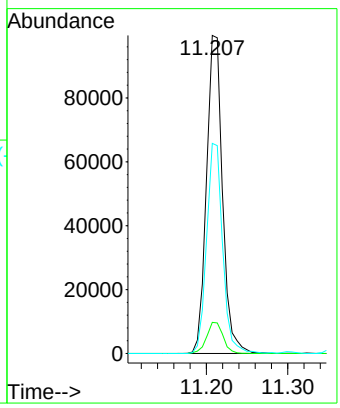




#75
1,1,2,2-Tetrachloroethane
Concen: 52.980 ug/l
RT: 11.207 min Scan# 16
Delta R.T. -0.006 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 83 Resp: 136043

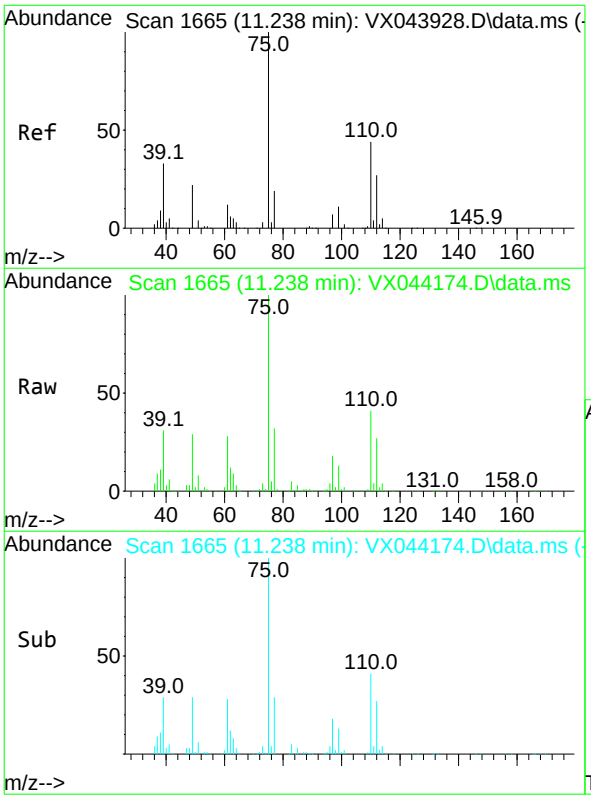
Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.1	15.2
85	66.0	32.2	96.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

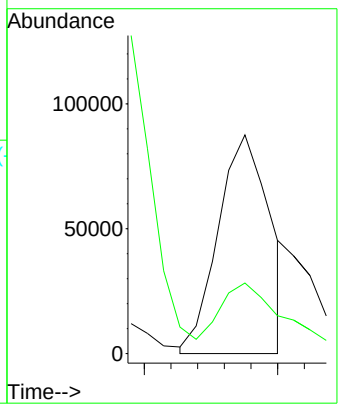
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

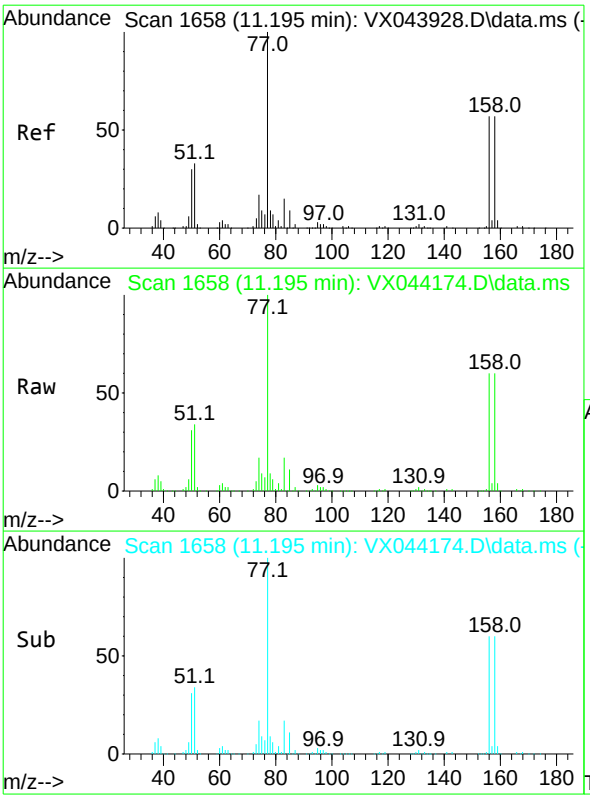


#76
1,2,3-Trichloropropane
Concen: 55.113 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 75 Resp: 117911

Ion	Ratio	Lower	Upper
75	100		
77	41.4	21.8	65.3





#77
Bromobenzene
Concen: 54.572 ug/l
RT: 11.195 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

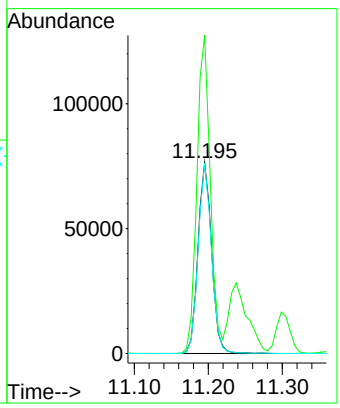
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

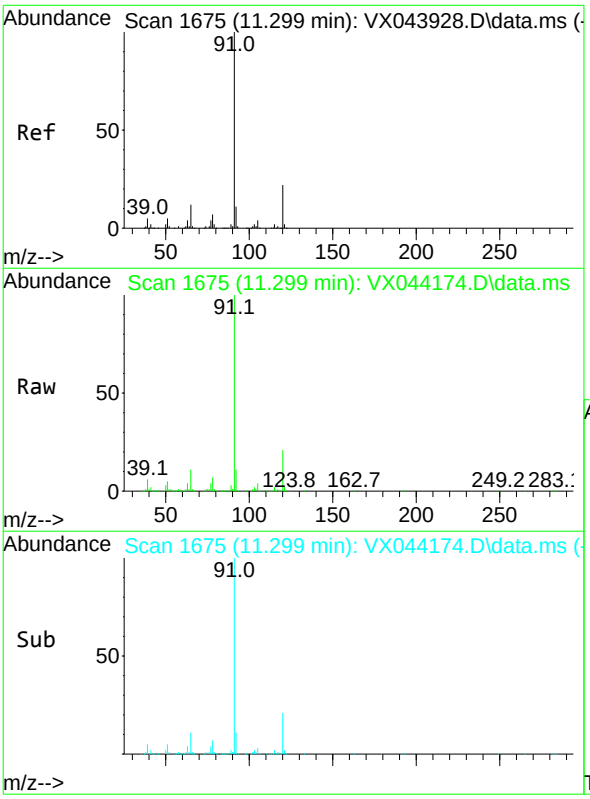
Tgt Ion:156 Resp: 97626

Ion	Ratio	Lower	Upper
156	100		
77	164.8	83.4	250.1
158	97.9	47.6	142.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

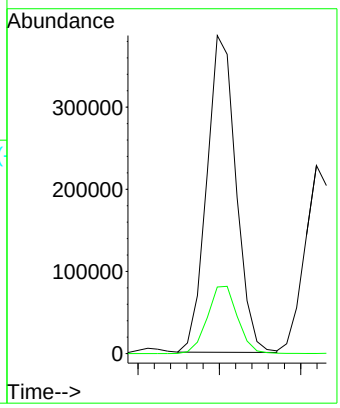


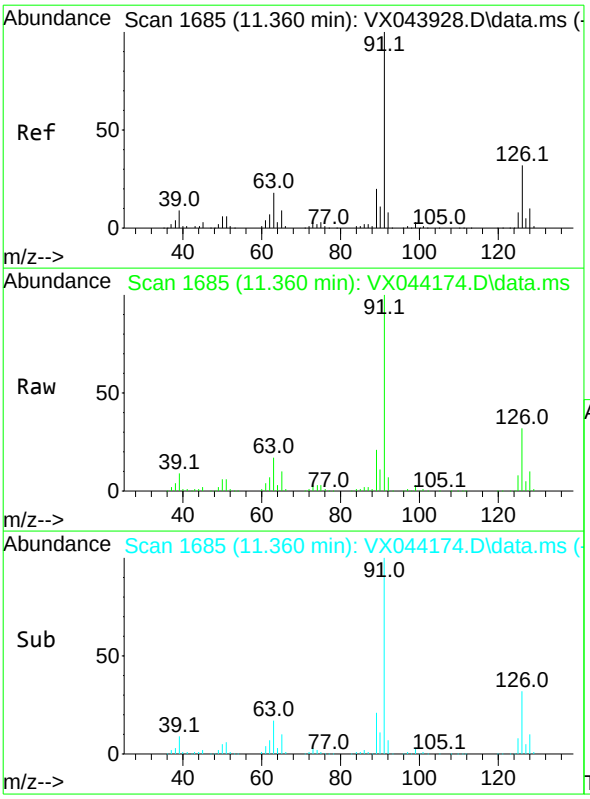


#78
n-propylbenzene
Concen: 57.544 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 91 Resp: 481969

Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.5	34.4





#79
2-Chlorotoluene
Concen: 54.387 ug/l
RT: 11.360 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

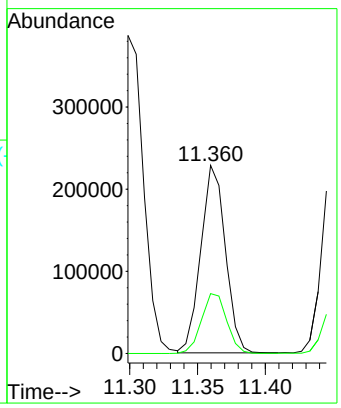
Tgt Ion: 91 Resp: 288045

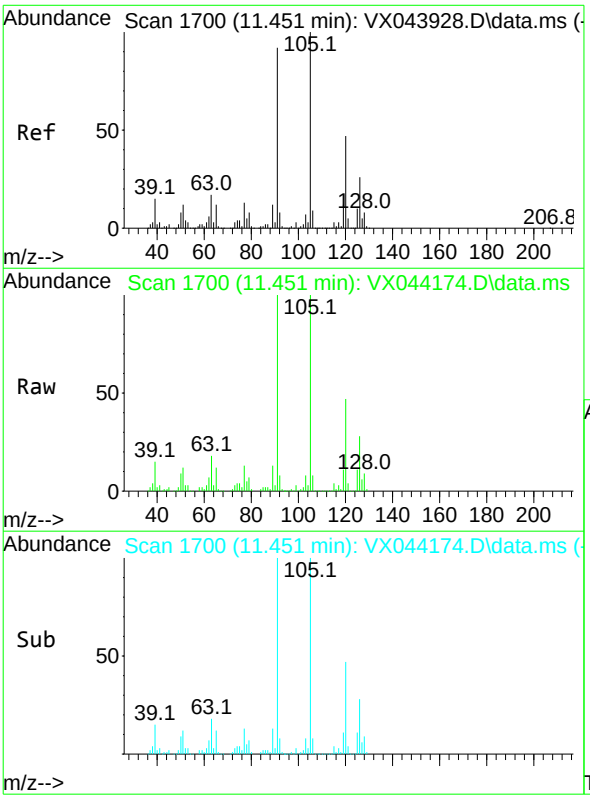
Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.6	49.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

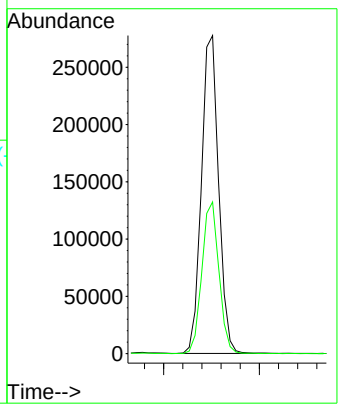


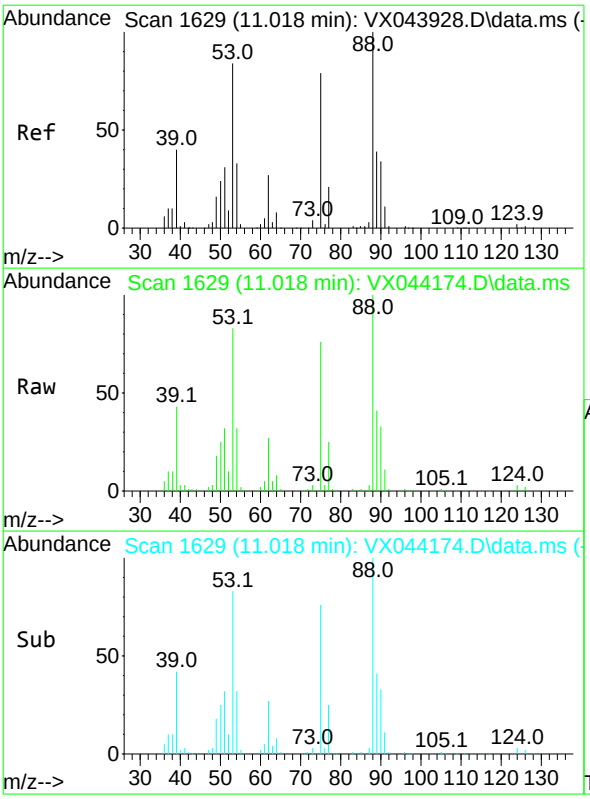


#80
1,3,5-Trimethylbenzene
Concen: 56.047 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion:105 Resp: 345791

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.3	69.8





#81
trans-1,4-Dichloro-2-butene
Concen: 54.171 ug/l
RT: 11.018 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

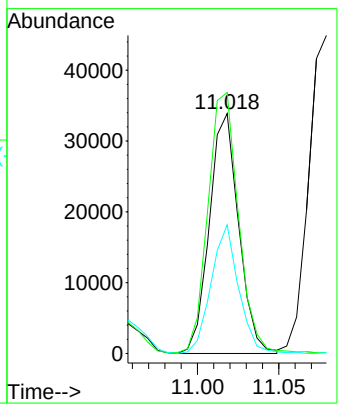
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

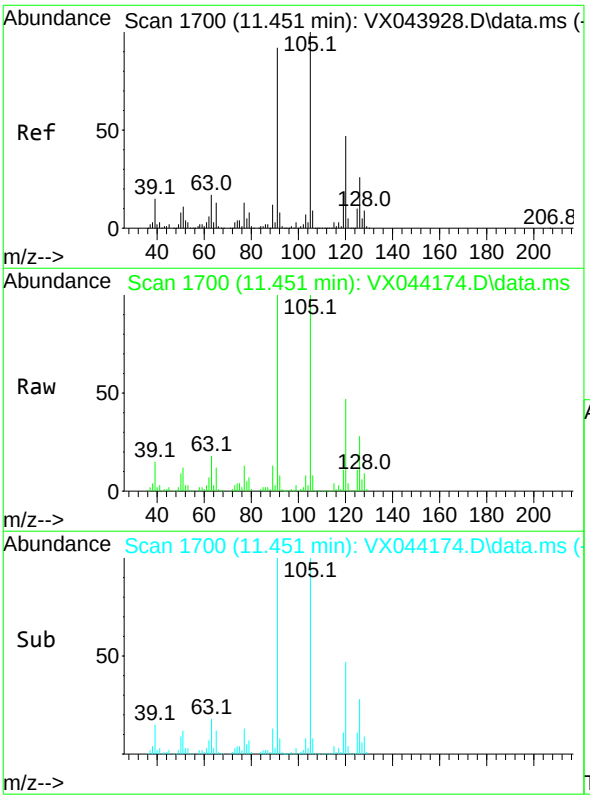
Tgt Ion: 75 Resp: 42472

Ion	Ratio	Lower	Upper
75	100		
53	114.4	86.7	130.1
89	50.5	38.2	57.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

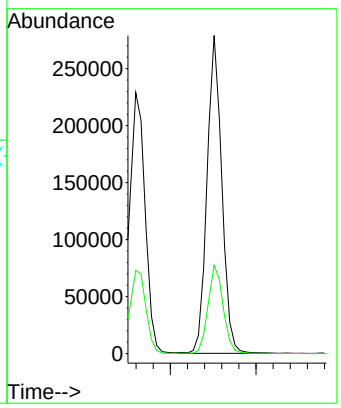


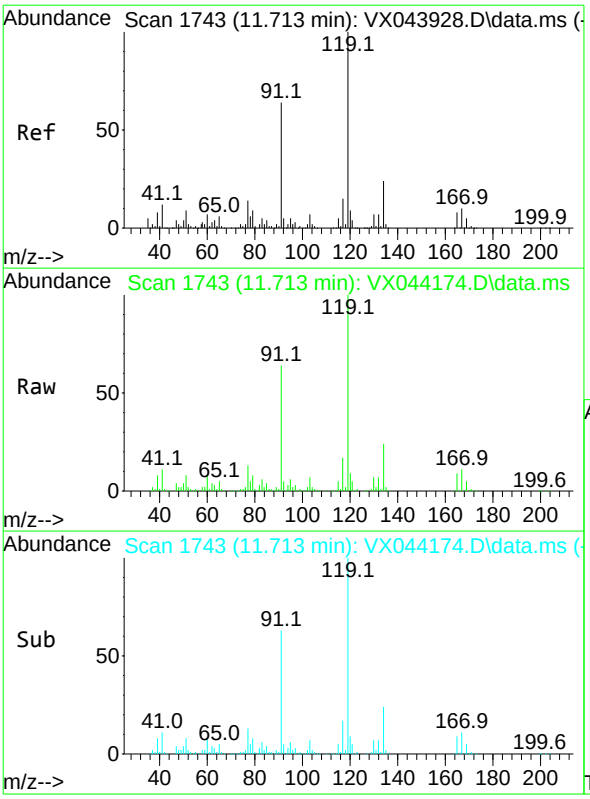


#82
4-Chlorotoluene
Concen: 55.701 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 91 Resp: 333051

Ion	Ratio	Lower	Upper
91	100		
126	28.7	14.3	42.9





#83
tert-Butylbenzene
Concen: 57.848 ug/l
RT: 11.713 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

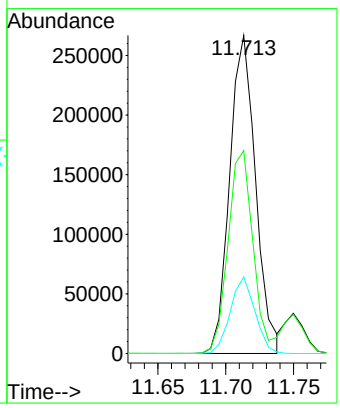
Tgt Ion:119 Resp: 353753

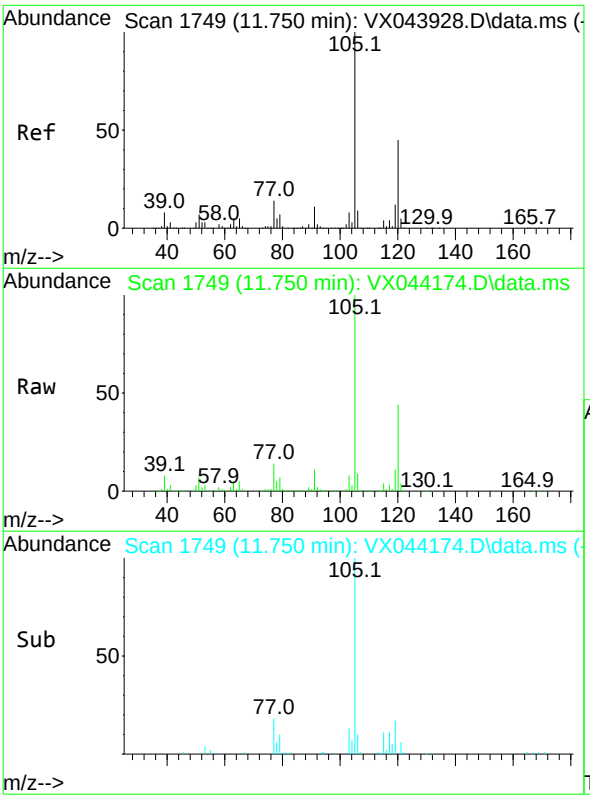
Ion	Ratio	Lower	Upper
119	100		
91	60.8	31.0	93.0
134	22.9	11.6	34.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

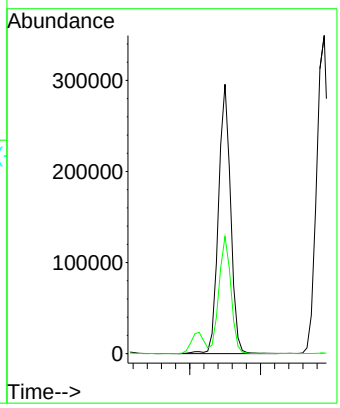


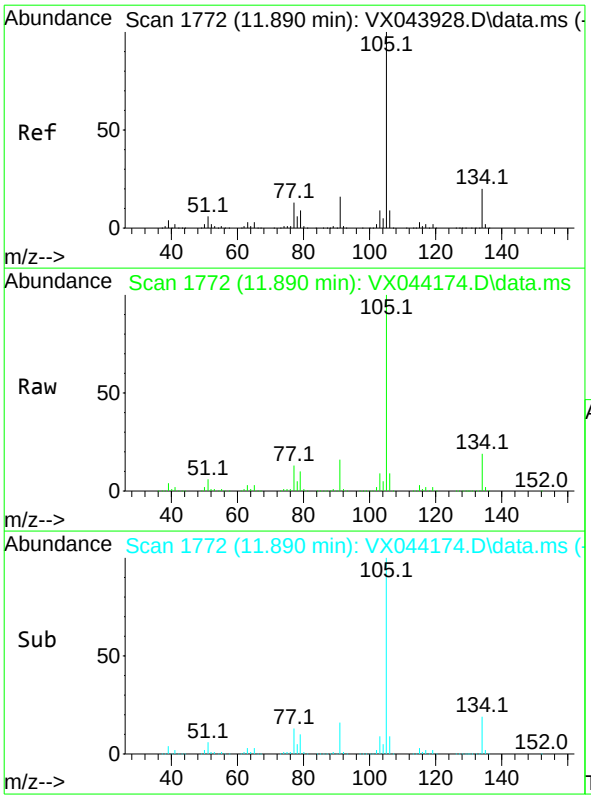


#84
1,2,4-Trimethylbenzene
Concen: 57.161 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion:105 Resp: 351113

Ion	Ratio	Lower	Upper
105	100		
120	42.9	21.9	65.7





#85
sec-Butylbenzene
Concen: 57.559 ug/l
RT: 11.890 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

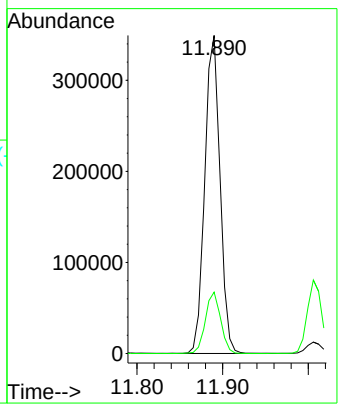
Tgt Ion:105 Resp: 431266

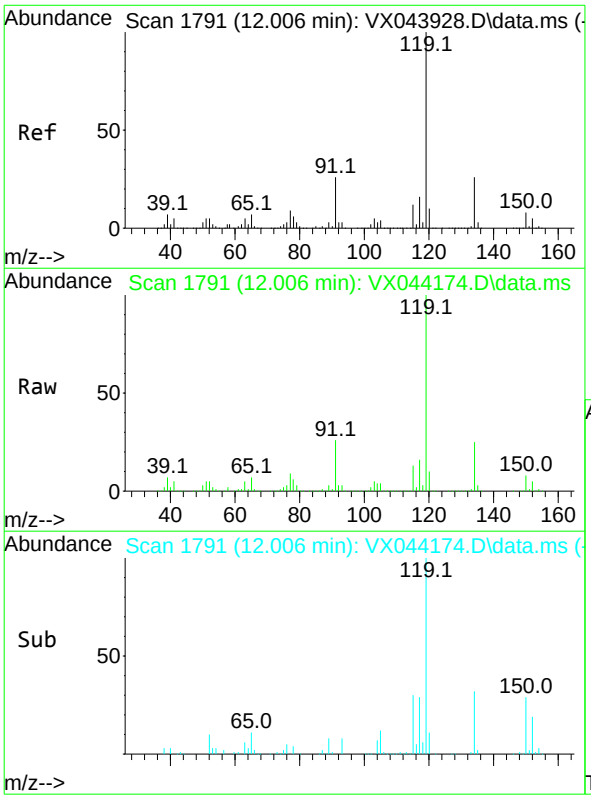
Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	29.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

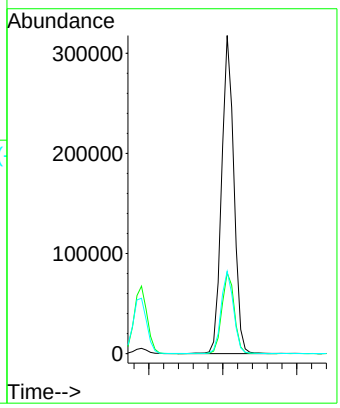


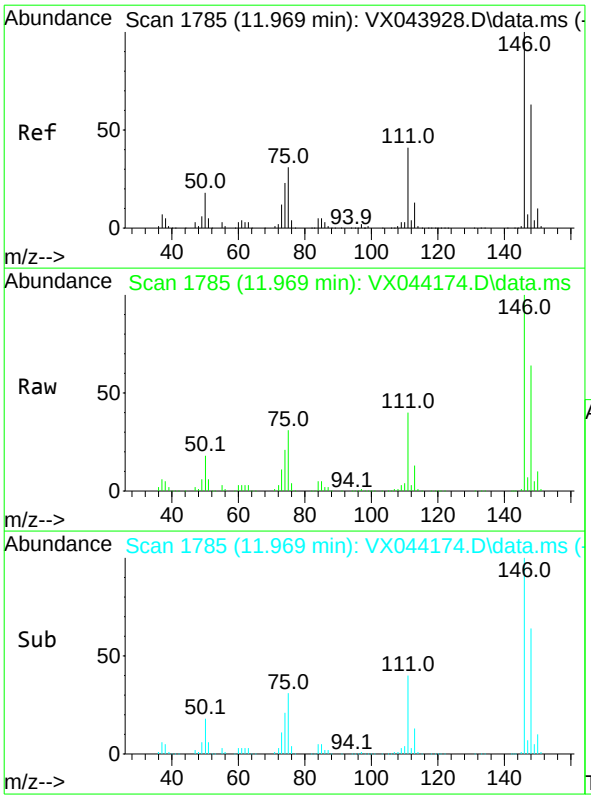


#86
p-Isopropyltoluene
Concen: 59.908 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion:119 Resp: 364608

Ion	Ratio	Lower	Upper
119	100		
134	25.7	13.0	38.9
91	26.2	13.0	38.9

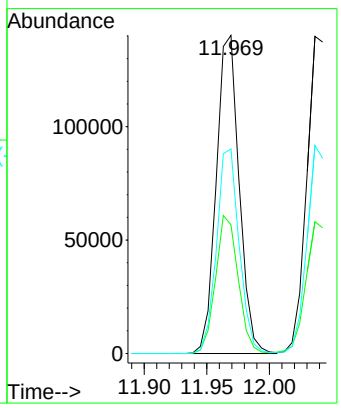




#87
1,3-Dichlorobenzene
Concen: 54.794 ug/l
RT: 11.969 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion:146 Resp: 178533

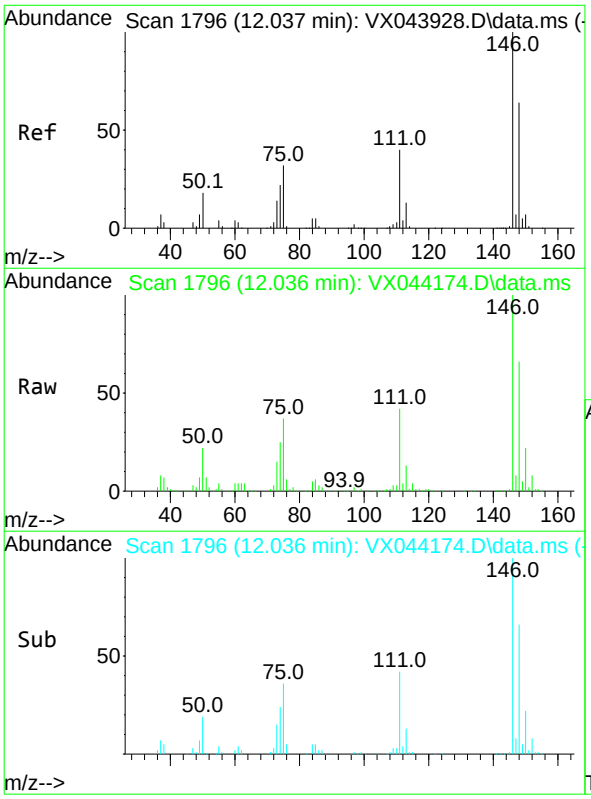
Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.1	63.3
148	63.6	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

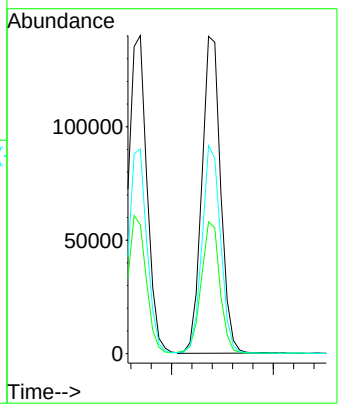
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

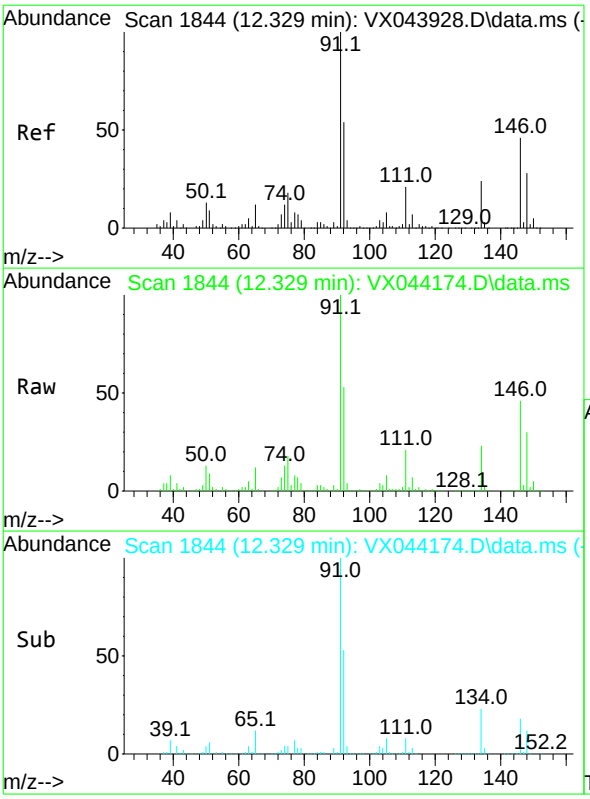


#88
1,4-Dichlorobenzene
Concen: 54.031 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion:146 Resp: 179485

Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.1	60.3
148	64.8	30.9	92.8

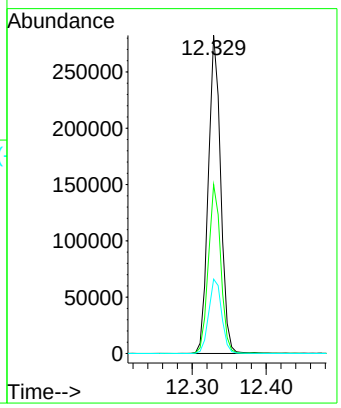




#89
n-Butylbenzene
Concen: 61.157 ug/l
RT: 12.329 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 91 Resp: 328165

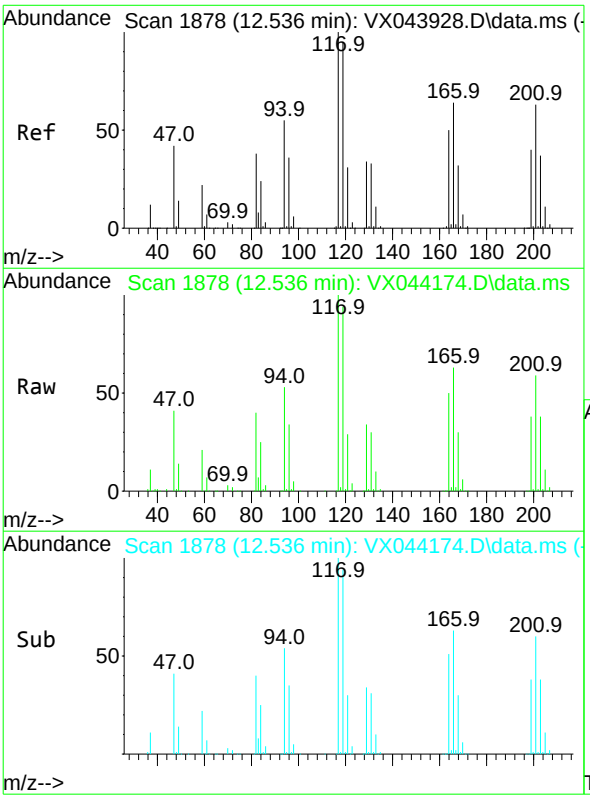
Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.6	79.8
134	24.4	12.4	37.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

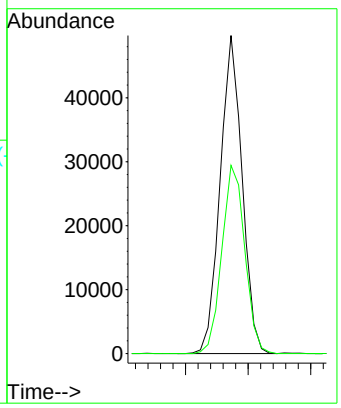
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

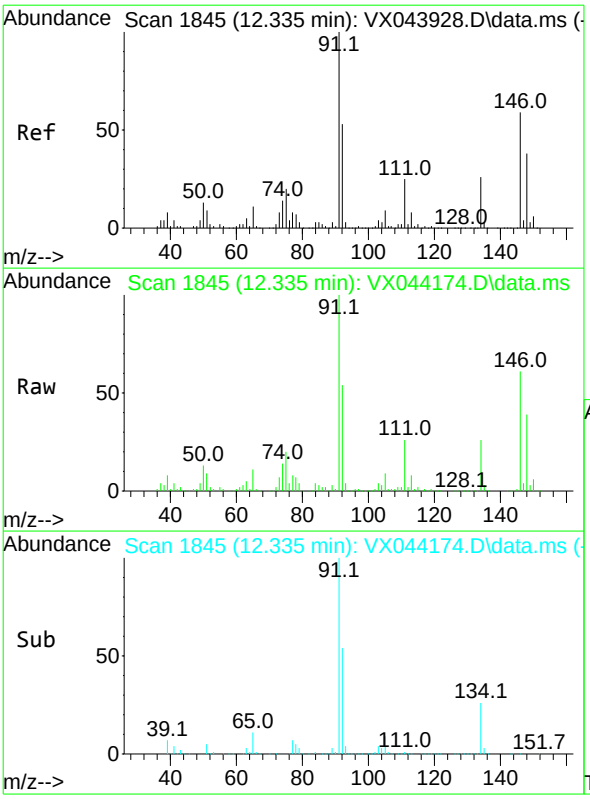


#90
Hexachloroethane
Concen: 58.597 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion:117 Resp: 60642

Ion	Ratio	Lower	Upper
117	100		
201	61.8	32.4	97.0

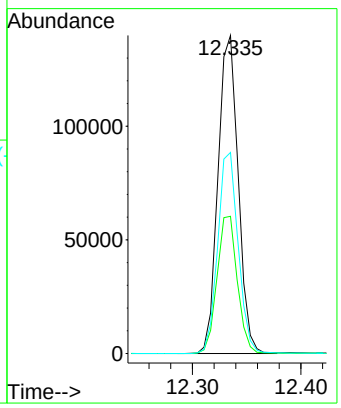




#91
1,2-Dichlorobenzene
Concen: 55.006 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion:146 Resp: 180867

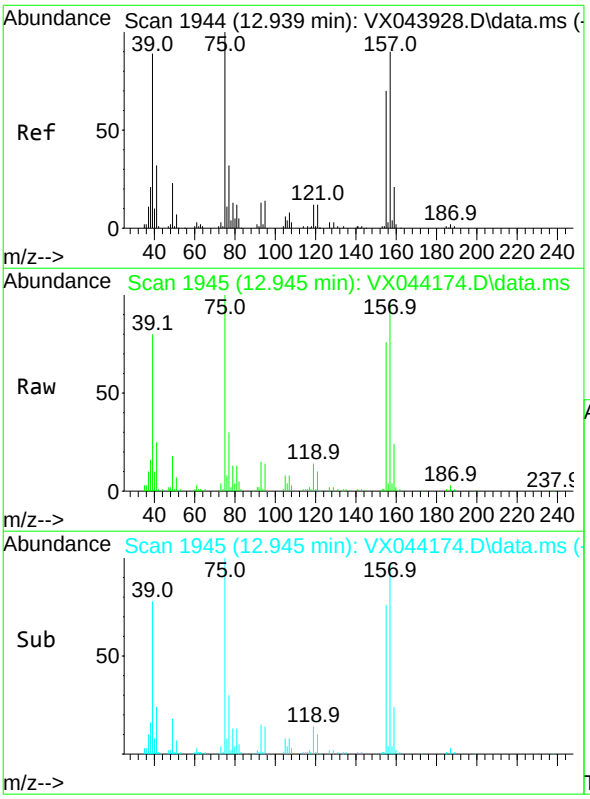
Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.5	64.5
148	64.2	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

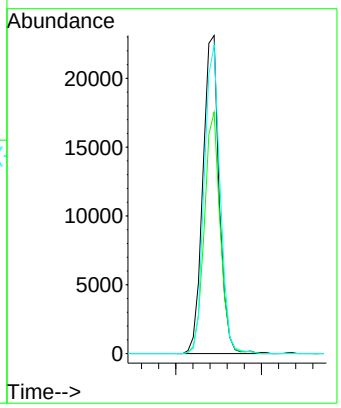
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

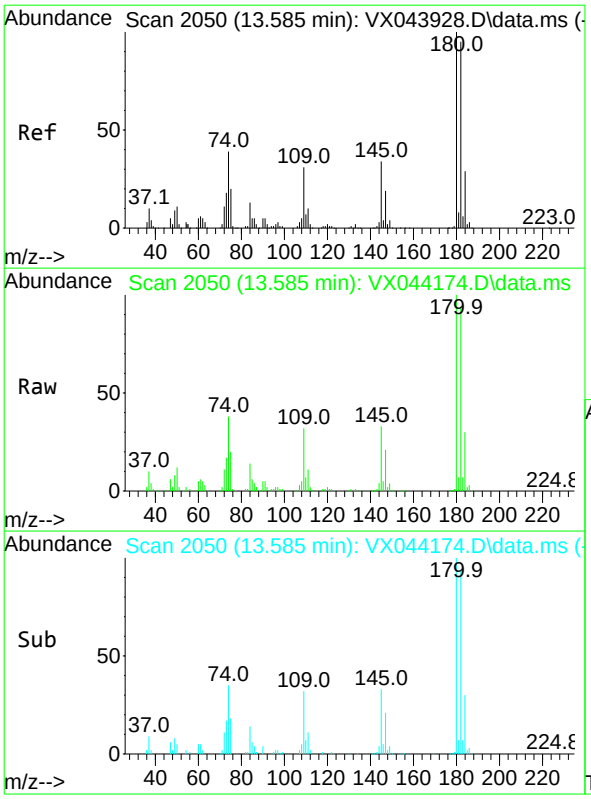


#92
1,2-Dibromo-3-Chloropropane
Concen: 59.476 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 75 Resp: 30602

Ion	Ratio	Lower	Upper
75	100		
155	73.8	40.1	120.2
157	93.9	49.6	149.0

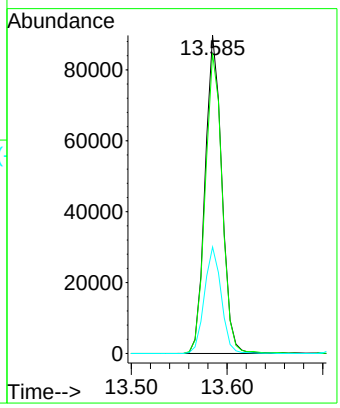




#93
1,2,4-Trichlorobenzene
Concen: 55.987 ug/l
RT: 13.585 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion:180 Resp: 108534

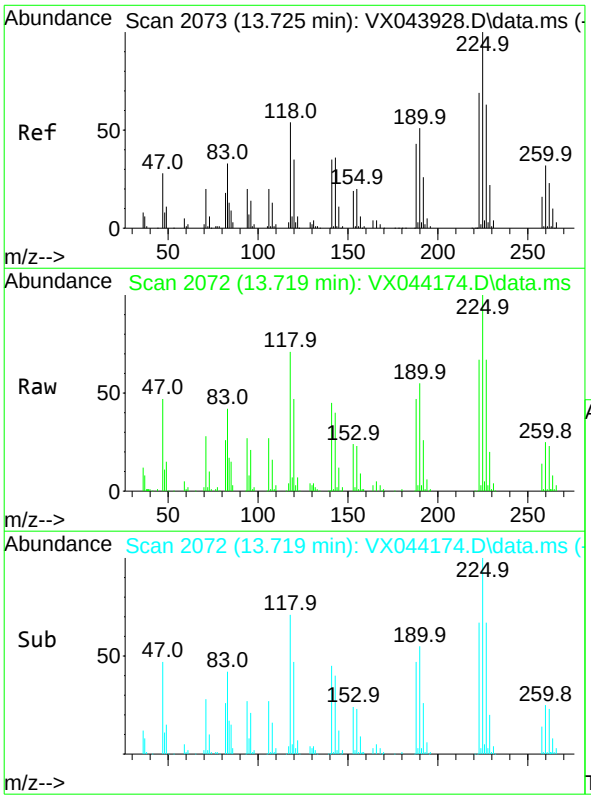
Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.0	144.2
145	33.8	16.8	50.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

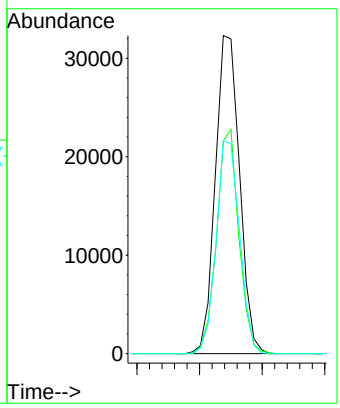
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

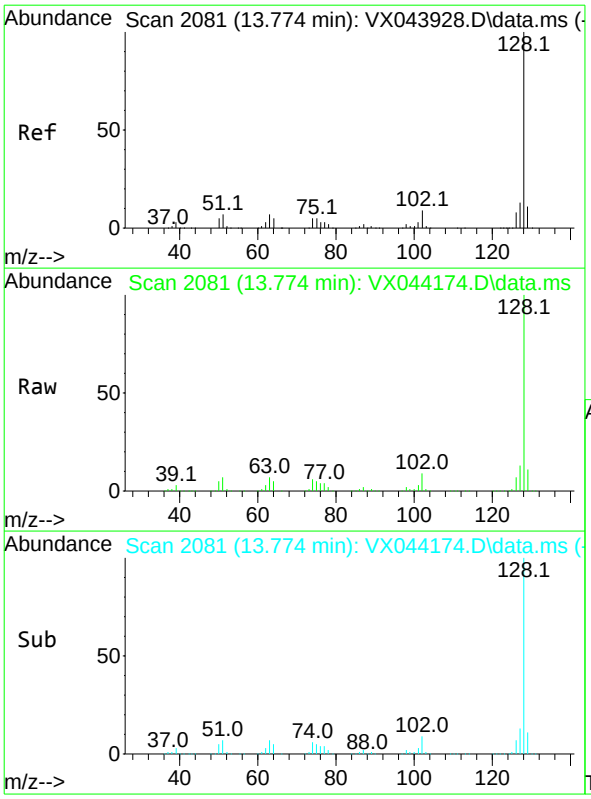


#94
Hexachlorobutadiene
Concen: 56.671 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion:225 Resp: 43419

Ion	Ratio	Lower	Upper
225	100		
223	64.8	32.9	98.6
227	64.7	31.6	94.8

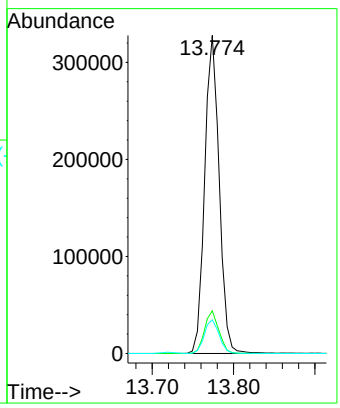




#95
Naphthalene
Concen: 58.075 ug/l
RT: 13.774 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion:128 Resp: 405265

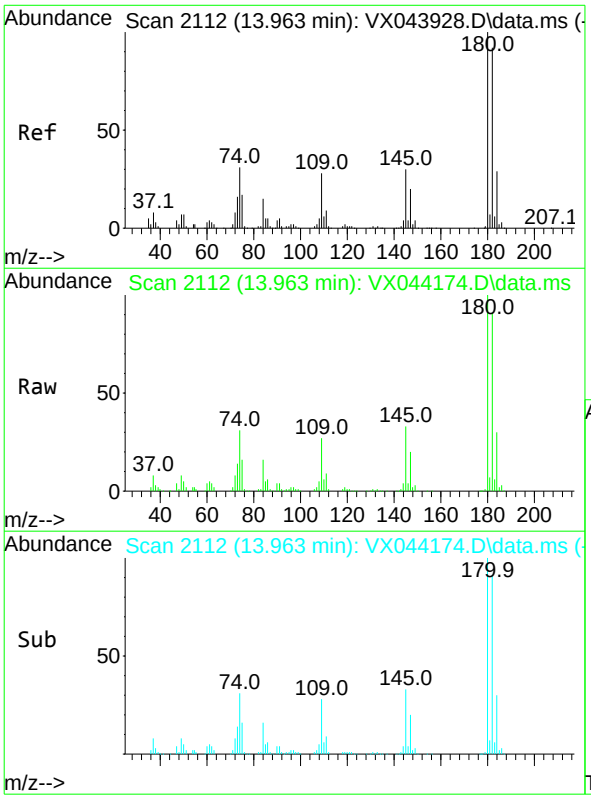
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.2
129	10.9	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

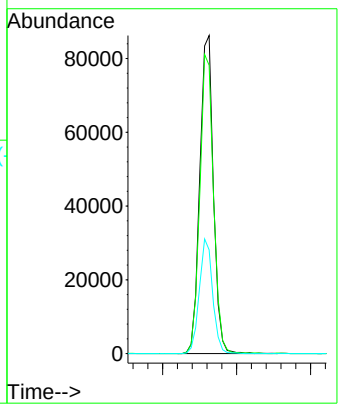
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#96
1,2,3-Trichlorobenzene
Concen: 56.138 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion:180 Resp: 110149

Ion	Ratio	Lower	Upper
180	100		
182	94.8	45.6	136.8
145	35.4	16.4	49.4



Sample Results: **VX044174.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044174.D
Acq On : 09 Dec 2024 09:42
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Dec 10 01:35:23 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	93	0.00
2	T	Dichlorodifluoromethane	0.633	0.610	3.6	83	0.00
3	P	Chloromethane	0.667	0.648	2.8	86	0.00
4	C	Vinyl Chloride	0.709	0.724	-2.1#	88	0.00
5	T	Bromomethane	0.436	0.494	-13.3	103	0.00
6	T	Chloroethane	0.432	0.500	-15.7	101	0.00
7	T	Trichlorofluoromethane	1.268	1.627	-28.3#	111	0.00
8	T	Diethyl Ether	0.462	0.499	-8.0	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.605	0.671	-10.9	95	0.00
10	T	Methyl Iodide	0.755	0.834	-10.5	96	0.00
11	T	Tert butyl alcohol	0.138	0.138	0.0	89	0.00
12	CM	1,1-Dichloroethene	0.576	0.615	-6.8#	95	0.00
13	T	Acrolein	0.145	0.106	26.9#	68	0.00
14	T	Allyl chloride	0.941	1.055	-12.1	94	0.00
15	T	Acrylonitrile	0.335	0.366	-9.3	92	0.00
16	T	Acetone	0.394	0.454	-15.2	99	0.00
17	T	Carbon Disulfide	1.188	1.224	-3.0	88	0.00
18	T	Methyl Acetate	0.917	0.987	-7.6	93	0.00
19	T	Methyl tert-butyl Ether	2.092	2.437	-16.5	100	0.00
20	T	Methylene Chloride	0.668	0.701	-4.9	98	0.00
21	T	trans-1,2-Dichloroethene	0.595	0.641	-7.7	94	0.00
22	T	Diisopropyl ether	2.013	2.304	-14.5	99	0.00
23	T	Vinyl Acetate	1.722	2.008	-16.6	96	0.00
24	P	1,1-Dichloroethane	1.161	1.300	-12.0	96	0.00
25	T	2-Butanone	0.508	0.578	-13.8	95	0.00
26	T	2,2-Dichloropropane	1.049	1.203	-14.7	98	0.00
27	T	cis-1,2-Dichloroethene	0.735	0.807	-9.8	95	0.00
28	T	Bromochloromethane	0.511	0.481	5.9	99	0.00
29	T	Tetrahydrofuran	0.312	0.332	-6.4	91	0.00
30	C	Chloroform	1.249	1.399	-12.0#	99	0.00
31	T	Cyclohexane	0.956	1.016	-6.3	91	0.00
32	T	1,1,1-Trichloroethane	1.077	1.285	-19.3	101	0.00
33	S	1,2-Dichloroethane-d4	0.858	0.874	-1.9	108	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	94	0.00
35	S	Dibromofluoromethane	0.357	0.368	-3.1	106	0.00
36	T	1,1-Dichloropropene	0.445	0.501	-12.6	95	0.00
37	T	Ethyl Acetate	0.553	0.621	-12.3	96	0.00
38	T	Carbon Tetrachloride	0.500	0.592	-18.4	100	0.00
39	T	Methylcyclohexane	0.578	0.649	-12.3	93	0.00
40	TM	Benzene	1.387	1.514	-9.2	95	0.00
41	T	Methacrylonitrile	0.283	0.313	-10.6	89	0.00
42	TM	1,2-Dichloroethane	0.557	0.636	-14.2	99	0.00
43	T	Isopropyl Acetate	0.880	1.011	-14.9	97	0.00
44	TM	Trichloroethene	0.393	0.381	3.1	96	0.00
45	C	1,2-Dichloropropane	0.340	0.389	-14.4#	99	0.00
46	T	Dibromomethane	0.269	0.311	-15.6	100	0.00
47	T	Bromodichloromethane	0.482	0.601	-24.7	104	0.00
48	T	Methyl methacrylate	0.422	0.477	-13.0	96	0.00

Sample Results: **VX044174.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044174.D
Acq On : 09 Dec 2024 09:42
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Dec 10 01:35:23 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	65	0.00
50	S	Toluene-d8	1.232	1.205	2.2	103	0.00
51	T	4-Methyl-2-Pentanone	0.537	0.626	-16.6	97	0.00
52	CM	Toluene	0.830	0.946	-14.0#	97	0.00
53	T	t-1,3-Dichloropropene	0.491	0.595	-21.2	98	0.00
54	T	cis-1,3-Dichloropropene	0.539	0.643	-19.3	99	0.00
55	T	1,1,2-Trichloroethane	0.343	0.391	-14.0	99	0.00
56	T	Ethyl methacrylate	0.534	0.643	-20.4	99	0.00
57	T	1,3-Dichloropropane	0.577	0.676	-17.2	102	0.00
58	T	2-Chloroethyl Vinyl ether	0.273	0.319	-16.8	98	0.00
59	T	2-Hexanone	0.403	0.478	-18.6	96	0.00
60	T	Dibromochloromethane	0.344	0.434	-26.2#	103	0.00
61	T	1,2-Dibromoethane	0.346	0.408	-17.9	100	0.00
62	S	4-Bromofluorobenzene	0.419	0.452	-7.9	110	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	93	0.00
64	T	Tetrachloroethene	0.330	0.372	-12.7	99	0.00
65	PM	Chlorobenzene	1.098	1.208	-10.0	98	0.00
66	T	1,1,1,2-Tetrachloroethane	0.356	0.433	-21.6	101	0.00
67	C	Ethyl Benzene	1.861	2.172	-16.7#	100	0.00
68	T	m/p-Xylenes	0.694	0.800	-15.3	97	0.00
69	T	o-Xylene	0.678	0.805	-18.7	99	0.00
70	T	Styrene	1.121	1.342	-19.7	99	0.00
71	P	Bromoform	0.240	0.311	-29.6#	102	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	0.00
73	T	Isopropylbenzene	3.843	4.238	-10.3	101	0.00
74	T	N-amyl acetate	1.780	2.014	-13.1	98	0.00
75	P	1,1,2,2-Tetrachloroethane	1.316	1.394	-5.9	97	0.00
76	T	1,2,3-Trichloropropane	1.096	1.209	-10.3	100	0.00
77	T	Bromobenzene	0.917	1.001	-9.2	100	0.00
78	T	n-propylbenzene	4.293	4.940	-15.1	102	0.00
79	T	2-Chlorotoluene	2.714	2.953	-8.8	100	0.00
80	T	1,3,5-Trimethylbenzene	3.162	3.544	-12.1	100	0.00
81	T	trans-1,4-Dichloro-2-butene	0.402	0.435	-8.2	96	0.00
82	T	4-Chlorotoluene	3.064	3.414	-11.4	100	0.00
83	T	tert-Butylbenzene	3.134	3.626	-15.7	103	0.00
84	T	1,2,4-Trimethylbenzene	3.148	3.599	-14.3	102	0.00
85	T	sec-Butylbenzene	3.840	4.421	-15.1	101	0.00
86	T	p-Isopropyltoluene	3.119	3.737	-19.8	103	0.00
87	T	1,3-Dichlorobenzene	1.670	1.830	-9.6	101	0.00
88	T	1,4-Dichlorobenzene	1.702	1.840	-8.1	100	0.00
89	T	n-Butylbenzene	2.750	3.364	-22.3	103	0.00
90	T	Hexachloroethane	0.530	0.622	-17.4	103	0.00
91	T	1,2-Dichlorobenzene	1.685	1.854	-10.0	102	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.264	0.314	-18.9	107	0.00
93	T	1,2,4-Trichlorobenzene	0.994	1.112	-11.9	100	0.00
94	T	Hexachlorobutadiene	0.393	0.445	-13.2	105	0.00
95	T	Naphthalene	3.576	4.154	-16.2	101	0.00

Sample Results: **VX044174.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044174.D
Acq On : 09 Dec 2024 09:42
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Dec 10 01:35:23 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	1.129	-12.2	98	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VX044174.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044174.D
Acq On : 09 Dec 2024 09:42
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Dec 10 01:35:23 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	93	0.00
2	T	Dichlorodifluoromethane	50.000	48.153	3.7	83	0.00
3	P	Chloromethane	50.000	48.602	2.8	86	0.00
4	C	Vinyl Chloride	50.000	51.045	-2.1#	88	0.00
5	T	Bromomethane	50.000	56.604	-13.2	103	0.00
6	T	Chloroethane	50.000	57.893	-15.8	101	0.00
7	T	Trichlorofluoromethane	50.000	64.166	-28.3#	111	0.00
8	T	Diethyl Ether	50.000	54.017	-8.0	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	55.529	-11.1	95	0.00
10	T	Methyl Iodide	50.000	55.244	-10.5	96	0.00
11	T	Tert butyl alcohol	250.000	250.958	-0.4	89	0.00
12	CM	1,1-Dichloroethene	50.000	53.377	-6.8#	95	0.00
13	T	Acrolein	250.000	182.338	27.1#	68	0.00
14	T	Allyl chloride	50.000	56.036	-12.1	94	0.00
15	T	Acrylonitrile	250.000	272.630	-9.1	92	0.00
16	T	Acetone	250.000	287.937	-15.2	99	0.00
17	T	Carbon Disulfide	50.000	51.493	-3.0	88	0.00
18	T	Methyl Acetate	50.000	53.780	-7.6	93	0.00
19	T	Methyl tert-butyl Ether	50.000	58.247	-16.5	100	0.00
20	T	Methylene Chloride	50.000	52.463	-4.9	98	0.00
21	T	trans-1,2-Dichloroethene	50.000	53.892	-7.8	94	0.00
22	T	Diisopropyl ether	50.000	57.225	-14.5	99	0.00
23	T	Vinyl Acetate	250.000	291.530	-16.6	96	0.00
24	P	1,1-Dichloroethane	50.000	55.983	-12.0	96	0.00
25	T	2-Butanone	250.000	284.114	-13.6	95	0.00
26	T	2,2-Dichloropropane	50.000	57.356	-14.7	98	0.00
27	T	cis-1,2-Dichloroethene	50.000	54.879	-9.8	95	0.00
28	T	Bromochloromethane	50.000	47.061	5.9	99	0.00
29	T	Tetrahydrofuran	250.000	266.254	-6.5	91	0.00
30	C	Chloroform	50.000	55.994	-12.0#	99	0.00
31	T	Cyclohexane	50.000	53.150	-6.3	91	0.00
32	T	1,1,1-Trichloroethane	50.000	59.637	-19.3	101	0.00
33	S	1,2-Dichloroethane-d4	50.000	50.931	-1.9	108	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	94	0.00
35	S	Dibromofluoromethane	50.000	51.481	-3.0	106	0.00
36	T	1,1-Dichloropropene	50.000	56.258	-12.5	95	0.00
37	T	Ethyl Acetate	50.000	56.170	-12.3	96	0.00
38	T	Carbon Tetrachloride	50.000	59.182	-18.4	100	0.00
39	T	Methylcyclohexane	50.000	56.127	-12.3	93	0.00
40	TM	Benzene	50.000	54.597	-9.2	95	0.00
41	T	Methacrylonitrile	50.000	55.276	-10.6	89	0.00
42	TM	1,2-Dichloroethane	50.000	57.138	-14.3	99	0.00
43	T	Isopropyl Acetate	50.000	57.468	-14.9	97	0.00
44	TM	Trichloroethene	50.000	48.503	3.0	96	0.00
45	C	1,2-Dichloropropane	50.000	57.290	-14.6#	99	0.00
46	T	Dibromomethane	50.000	57.782	-15.6	100	0.00
47	T	Bromodichloromethane	50.000	62.329	-24.7	104	0.00
48	T	Methyl methacrylate	50.000	56.476	-13.0	96	0.00

Sample Results: **VX044174.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044174.D
Acq On : 09 Dec 2024 09:42
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Dec 10 01:35:23 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	748.393	25.2#	65	0.00
50	S	Toluene-d8	50.000	48.907	2.2	103	0.00
51	T	4-Methyl-2-Pentanone	250.000	291.699	-16.7	97	0.00
52	CM	Toluene	50.000	57.015	-14.0#	97	0.00
53	T	t-1,3-Dichloropropene	50.000	60.514	-21.0	98	0.00
54	T	cis-1,3-Dichloropropene	50.000	59.699	-19.4	99	0.00
55	T	1,1,2-Trichloroethane	50.000	57.058	-14.1	99	0.00
56	T	Ethyl methacrylate	50.000	60.237	-20.5	99	0.00
57	T	1,3-Dichloropropane	50.000	58.519	-17.0	102	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	272.768	-9.1	98	0.00
59	T	2-Hexanone	250.000	296.330	-18.5	96	0.00
60	T	Dibromochloromethane	50.000	63.187	-26.4#	103	0.00
61	T	1,2-Dibromoethane	50.000	58.852	-17.7	100	0.00
62	S	4-Bromofluorobenzene	50.000	53.924	-7.8	110	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	93	0.00
64	T	Tetrachloroethene	50.000	56.432	-12.9	99	0.00
65	PM	Chlorobenzene	50.000	54.997	-10.0	98	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	60.723	-21.4	101	0.00
67	C	Ethyl Benzene	50.000	58.352	-16.7#	100	0.00
68	T	m/p-Xylenes	100.000	115.254	-15.3	97	0.00
69	T	o-Xylene	50.000	59.412	-18.8	99	0.00
70	T	Styrene	50.000	59.859	-19.7	99	0.00
71	P	Bromoform	50.000	56.868	-13.7	102	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	97	0.00
73	T	Isopropylbenzene	50.000	55.131	-10.3	101	0.00
74	T	N-amyl acetate	50.000	56.557	-13.1	98	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	52.980	-6.0	97	0.00
76	T	1,2,3-Trichloropropane	50.000	55.113	-10.2	100	0.00
77	T	Bromobenzene	50.000	54.572	-9.1	100	0.00
78	T	n-propylbenzene	50.000	57.544	-15.1	102	0.00
79	T	2-Chlorotoluene	50.000	54.387	-8.8	100	0.00
80	T	1,3,5-Trimethylbenzene	50.000	56.047	-12.1	100	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	54.171	-8.3	96	0.00
82	T	4-Chlorotoluene	50.000	55.701	-11.4	100	0.00
83	T	tert-Butylbenzene	50.000	57.848	-15.7	103	0.00
84	T	1,2,4-Trimethylbenzene	50.000	57.161	-14.3	102	0.00
85	T	sec-Butylbenzene	50.000	57.559	-15.1	101	0.00
86	T	p-Isopropyltoluene	50.000	59.908	-19.8	103	0.00
87	T	1,3-Dichlorobenzene	50.000	54.794	-9.6	101	0.00
88	T	1,4-Dichlorobenzene	50.000	54.031	-8.1	100	0.00
89	T	n-Butylbenzene	50.000	61.157	-22.3	103	0.00
90	T	Hexachloroethane	50.000	58.597	-17.2	103	0.00
91	T	1,2-Dichlorobenzene	50.000	55.006	-10.0	102	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	59.476	-19.0	107	0.00
93	T	1,2,4-Trichlorobenzene	50.000	55.987	-12.0	100	0.00
94	T	Hexachlorobutadiene	50.000	56.671	-13.3	105	0.00
95	T	Naphthalene	50.000	58.075	-16.2	101	0.00

Sample Results: **VX044174.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044174.D
Acq On : 09 Dec 2024 09:42
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Dec 10 01:35:23 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	56.138	-12.3	98	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VX044195.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: AECO15

Lab Code: CHEM Case No.: P5164 SAS No.: P5164 SDG No.: P5164

Instrument ID: MSVOA_X Calibration Date/Time: 12/09/2024 18:00

Lab File ID: VX044195.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	0.478		-24.49	50
Chloromethane	0.667	0.536	0.1	-19.64	50
Vinyl Chloride	0.709	0.592		-16.5	50
Bromomethane	0.436	0.423		-2.98	50
Chloroethane	0.432	0.400		-7.41	50
Trichlorofluoromethane	1.268	1.210		-4.57	50
1,1,2-Trichlorotrifluoroethane	0.605	0.529		-12.56	50
1,1-Dichloroethene	0.576	0.505		-12.33	50
Acetone	0.394	0.326		-17.26	50
Carbon Disulfide	1.188	0.859		-27.69	50
Methyl tert-butyl Ether	2.092	2.131		1.86	50
Methyl Acetate	0.917	0.911		-0.65	50
Methylene Chloride	0.668	0.607		-9.13	50
trans-1,2-Dichloroethene	0.595	0.548		-7.9	50
1,1-Dichloroethane	1.161	1.137	0.1	-2.07	50
Cyclohexane	0.956	0.846		-11.51	50
2-Butanone	0.508	0.505		-0.59	50
Carbon Tetrachloride	0.500	0.471		-5.8	50
cis-1,2-Dichloroethene	0.735	0.696		-5.31	50
Bromochloromethane	0.511	0.452		-11.55	50
Chloroform	1.249	1.249		0	50
1,1,1-Trichloroethane	1.077	1.070		-0.65	50
Methylcyclohexane	0.578	0.498		-13.84	50
Benzene	1.387	1.310		-5.55	50
1,2-Dichloroethane	0.557	0.548		-1.62	50
Trichloroethene	0.393	0.325		-17.3	50
1,2-Dichloropropane	0.340	0.329		-3.23	50
Bromodichloromethane	0.482	0.493		2.28	50
4-Methyl-2-Pentanone	0.537	0.582		8.38	50
Toluene	0.830	0.816		-1.69	50
t-1,3-Dichloropropene	0.491	0.500		1.83	50
cis-1,3-Dichloropropene	0.539	0.525		-2.6	50
1,1,2-Trichloroethane	0.343	0.348		1.46	50
2-Hexanone	0.403	0.436		8.19	50
Dibromochloromethane	0.344	0.349		1.45	50
1,2-Dibromoethane	0.346	0.358		3.47	50
Tetrachloroethene	0.330	0.306		-7.27	50
Chlorobenzene	1.098	1.042	0.3	-5.1	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: **VX044195.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: AECO15

Lab Code: CHEM Case No.: P5164 SAS No.: P5164 SDG No.: P5164

Instrument ID: MSVOA_X Calibration Date/Time: 12/09/2024 18:00

Lab File ID: VX044195.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	1.827		-1.83	50
m/p-Xylenes	0.694	0.678		-2.31	50
o-Xylene	0.678	0.681		0.44	50
Styrene	1.121	1.134		1.16	50
Bromoform	0.240	0.240	0.1	0	50
Isopropylbenzene	3.843	3.670		-4.5	50
1,1,2,2-Tetrachloroethane	1.316	1.278	0.3	-2.89	50
1,3-Dichlorobenzene	1.670	1.584		-5.15	50
1,4-Dichlorobenzene	1.702	1.590		-6.58	50
1,2-Dichlorobenzene	1.685	1.617		-4.04	50
1,2-Dibromo-3-Chloropropane	0.264	0.268		1.51	50
1,2,4-Trichlorobenzene	0.994	0.914		-8.05	50
1,2,3-Trichlorobenzene	1.006	0.964		-4.18	50
1,2-Dichloroethane-d4	0.858	0.801		-6.64	50
Dibromofluoromethane	0.357	0.327		-8.4	50
Toluene-d8	1.232	1.104		-10.39	50
4-Bromofluorobenzene	0.419	0.414		-1.19	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: **VX044195.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044195.D
Acq On : 09 Dec 2024 18:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Dec 10 01:47:37 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 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	131298	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.757	114	235785	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	208853	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	99726	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	105126	46.681	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 93.360%			
35) Dibromofluoromethane	5.385	113	77035	45.723	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 91.440%			
50) Toluene-d8	8.647	98	260361	44.830	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 89.660%			
62) 4-Bromofluorobenzene	11.079	95	97692	49.426	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.860%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	62774	37.740	ug/l	99
3) Chloromethane	1.294	50	70433	40.240	ug/l	97
4) Vinyl Chloride	1.374	62	77773	41.774	ug/l	95
5) Bromomethane	1.593	94	55509	48.466	ug/l	96
6) Chloroethane	1.660	64	52511	46.289	ug/l	98
7) Trichlorofluoromethane	1.867	101	158833	47.719	ug/l	97
8) Diethyl Ether	2.136	74	58422	48.156	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.312	101	69490	43.767	ug/l	99
10) Methyl Iodide	2.440	142	94864	47.840	ug/l	98
11) Tert butyl alcohol	3.001	59	81324	224.985	ug/l	98
12) 1,1-Dichloroethene	2.306	96	66330	43.842	ug/l	98
13) Acrolein	2.239	56	97792	256.674	ug/l	98
14) Allyl chloride	2.654	41	116347	47.063	ug/l	98
15) Acrylonitrile	3.068	53	221106	251.011	ug/l	99
16) Acetone	2.392	43	214107	207.003	ug/l	100
17) Carbon Disulfide	2.501	76	112753	36.130	ug/l	100
18) Methyl Acetate	2.709	43	119578	49.645	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	279759	50.926	ug/l	99
20) Methylene Chloride	2.782	84	79720	45.418	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	71950	46.062	ug/l	93
22) Diisopropyl ether	3.763	45	261443	49.458	ug/l	97
23) Vinyl Acetate	3.721	43	1132475	250.436	ug/l	100
24) 1,1-Dichloroethane	3.605	63	149227	48.934	ug/l	98
25) 2-Butanone	4.568	43	331515	248.401	ug/l	99
26) 2,2-Dichloropropane	4.464	77	118688	43.095	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	91381	47.328	ug/l	98
28) Bromochloromethane	4.897	49	59291	44.170	ug/l	97
29) Tetrahydrofuran	5.013	42	212659	259.914	ug/l	98
30) Chloroform	5.092	83	164031	50.011	ug/l	97
31) Cyclohexane	5.458	56	111053	44.246	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	140424	49.647	ug/l	100
36) 1,1-Dichloropropene	5.684	75	97977	46.667	ug/l	99
37) Ethyl Acetate	4.721	43	127992	49.112	ug/l	99
38) Carbon Tetrachloride	5.672	117	111142	47.113	ug/l	97
39) Methylcyclohexane	7.372	83	117340	43.022	ug/l	98
40) Benzene	6.031	78	308789	47.218	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044195.D
Acq On : 09 Dec 2024 18:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Dec 10 01:47:37 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 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.922	41	68199	51.129 ug/l	96
42) 1,2-Dichloroethane	6.086	62	129196	49.190 ug/l	100
43) Isopropyl Acetate	6.342	43	212581	51.255 ug/l	99
44) Trichloroethene	7.123	130	76601	41.377 ug/l	94
45) 1,2-Dichloropropane	7.427	63	77580	48.435 ug/l	92
46) Dibromomethane	7.580	93	63965	50.484 ug/l	98
47) Bromodichloromethane	7.818	83	116358	51.205 ug/l	96
48) Methyl methacrylate	7.696	41	100896	50.698 ug/l	99
49) 1,4-Dioxane	7.665	88	29761	839.512 ug/l #	80
51) 4-Methyl-2-Pentanone	8.573	43	685832	270.971 ug/l	99
52) Toluene	8.714	92	192454	49.168 ug/l	100
53) t-1,3-Dichloropropene	8.976	75	117834	50.850 ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	123739	48.710 ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	81959	50.724 ug/l	97
56) Ethyl methacrylate	9.116	69	132200	52.529 ug/l	97
57) 1,3-Dichloropropane	9.305	76	138542	50.900 ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	328935	238.340 ug/l	100
59) 2-Hexanone	9.433	43	514271	270.331 ug/l	99
60) Dibromochloromethane	9.518	129	82189	50.698 ug/l	99
61) 1,2-Dibromoethane	9.610	107	84512	51.728 ug/l	99
64) Tetrachloroethene	9.275	164	64007	46.478 ug/l	98
65) Chlorobenzene	10.079	112	217542	47.426 ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	75268	50.596 ug/l	98
67) Ethyl Benzene	10.195	91	381676	49.105 ug/l	99
68) m/p-Xylenes	10.299	106	283405	97.773 ug/l	100
69) o-Xylene	10.640	106	142308	50.284 ug/l	98
70) Styrene	10.652	104	236741	50.577 ug/l	98
71) Bromoform	10.799	173	50122	44.729 ug/l #	99
73) Isopropylbenzene	10.963	105	365951	47.738 ug/l	99
74) N-amyl acetate	10.841	43	184869	52.058 ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	127456	48.557 ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	108157m	49.455 ug/l	
77) Bromobenzene	11.195	156	87469	47.832 ug/l	99
78) n-propylbenzene	11.305	91	418467	48.877 ug/l	98
79) 2-Chlorotoluene	11.360	91	256367	47.354 ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	311795	49.438 ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	36117	45.064 ug/l	94
82) 4-Chlorotoluene	11.451	91	296611	48.528 ug/l	100
83) tert-Butylbenzene	11.713	119	309761	49.553 ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	308254	49.093 ug/l	100
85) sec-Butylbenzene	11.890	105	378505	49.420 ug/l	99
86) p-Isopropyltoluene	12.006	119	312583	50.244 ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	158004	47.440 ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	158608	46.709 ug/l	98
89) n-Butylbenzene	12.329	91	270623	49.338 ug/l	100
90) Hexachloroethane	12.536	117	48712	46.047 ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	161209	47.962 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	26680	50.727 ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	91104	45.975 ug/l	99
94) Hexachlorobutadiene	13.725	225	35883	45.818 ug/l	98
95) Naphthalene	13.774	128	363187	50.915 ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	96130	47.928 ug/l	95

Sample Results: **VX044195.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044195.D
Acq On : 09 Dec 2024 18:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

Quant Time: Dec 10 01:47:37 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

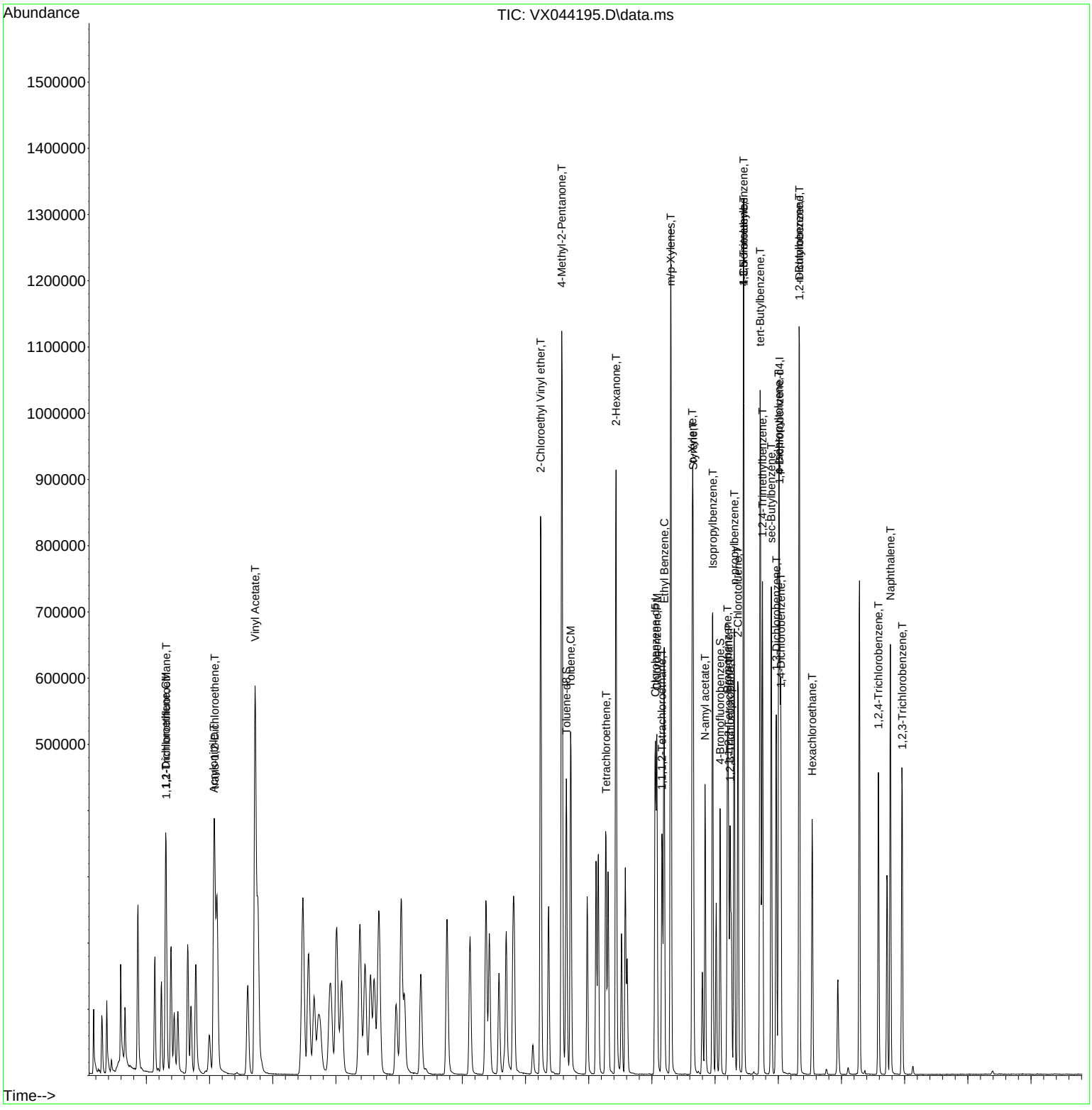
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044195.D
Acq On : 09 Dec 2024 18:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

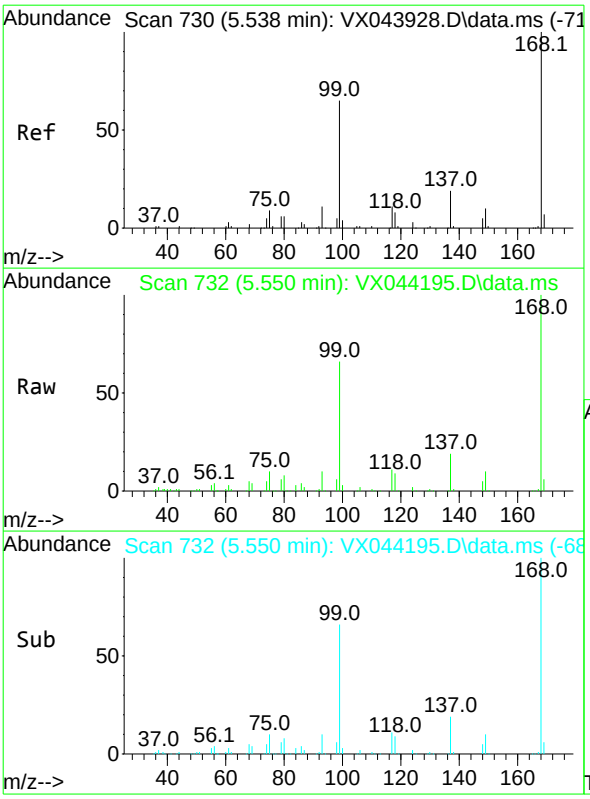
Quant Time: Dec 10 01:47:37 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

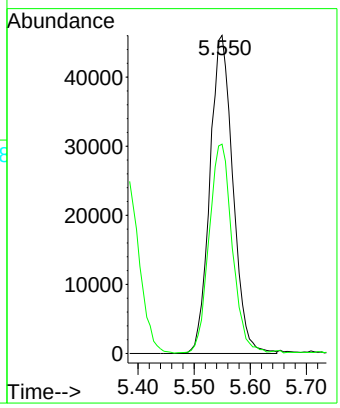




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. 0.012 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion:168 Resp: 131298

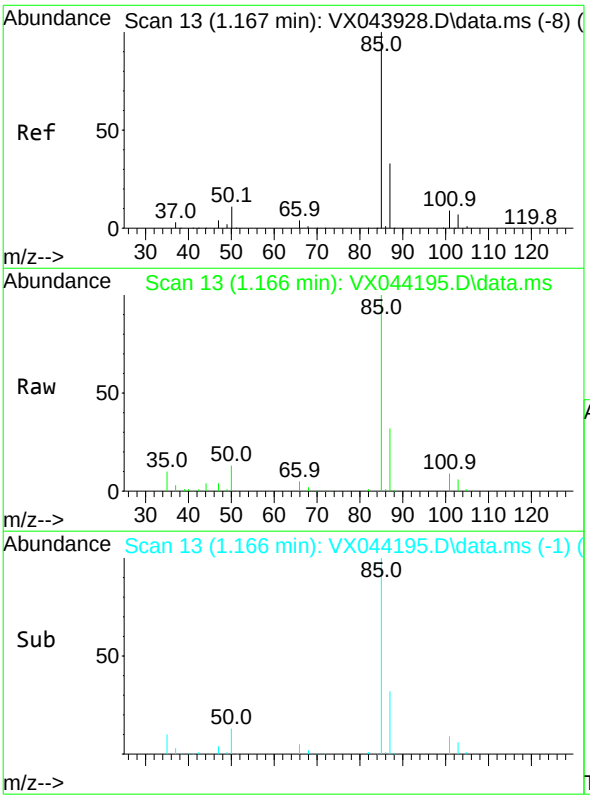
Ion	Ratio	Lower	Upper
168	100		
99	65.6	51.8	77.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

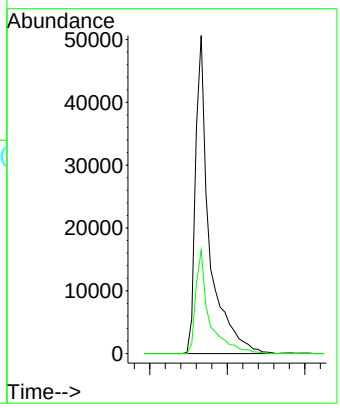
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

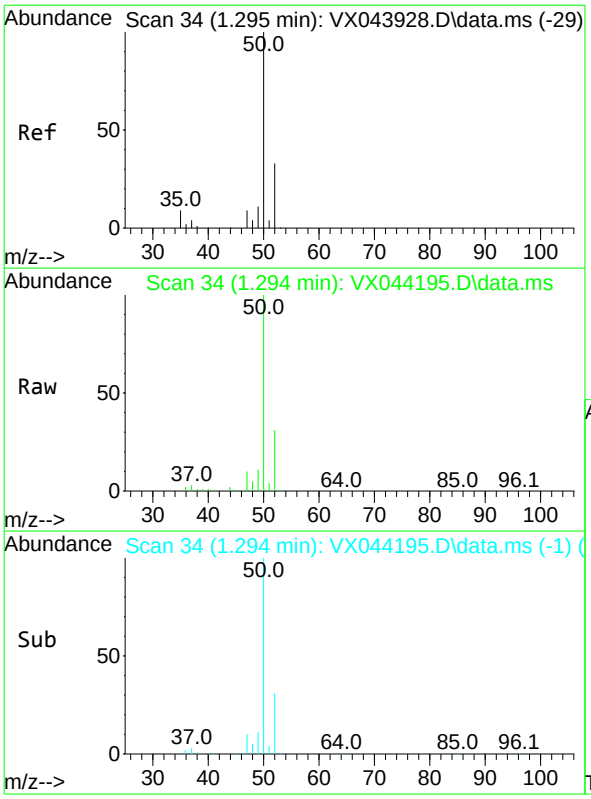


#2
Dichlorodifluoromethane
Concen: 37.740 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 85 Resp: 62774

Ion	Ratio	Lower	Upper
85	100		
87	32.5	16.6	49.8

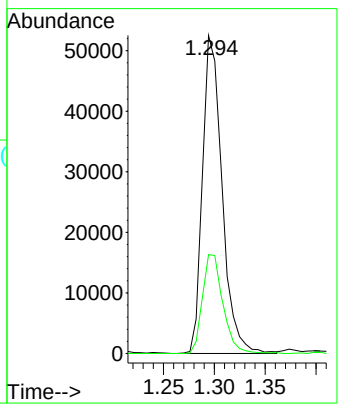




#3
Chloromethane
Concen: 40.240 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 50 Resp: 70433

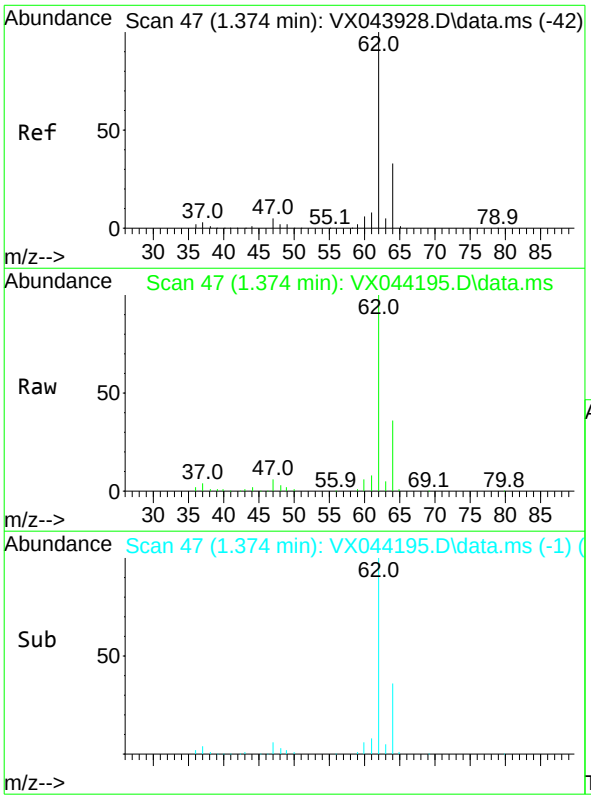
Ion	Ratio	Lower	Upper
50	100		
52	31.1	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

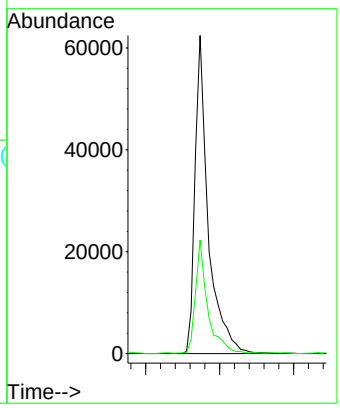
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

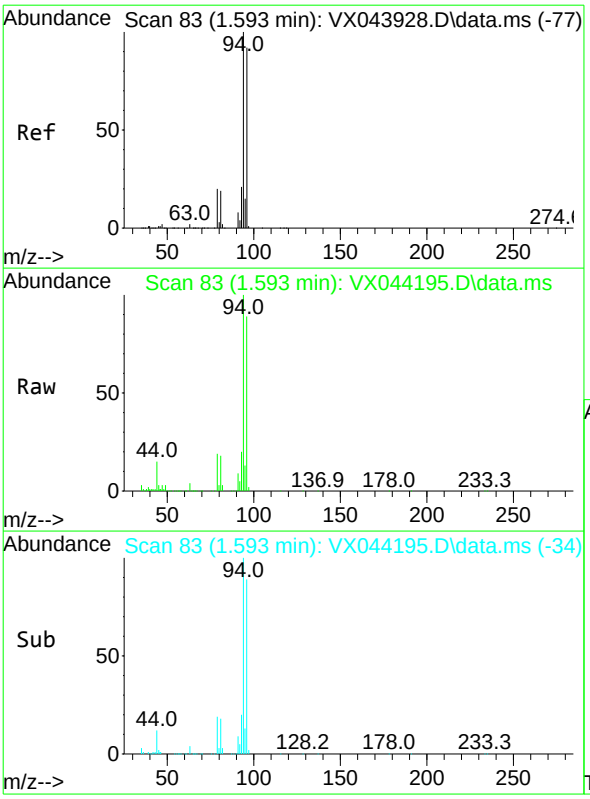


#4
Vinyl Chloride
Concen: 41.774 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 62 Resp: 77773

Ion	Ratio	Lower	Upper
62	100		
64	35.6	26.2	39.4

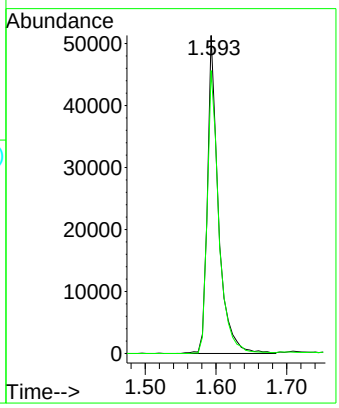




#5
Bromomethane
Concen: 48.466 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 94 Resp: 55509

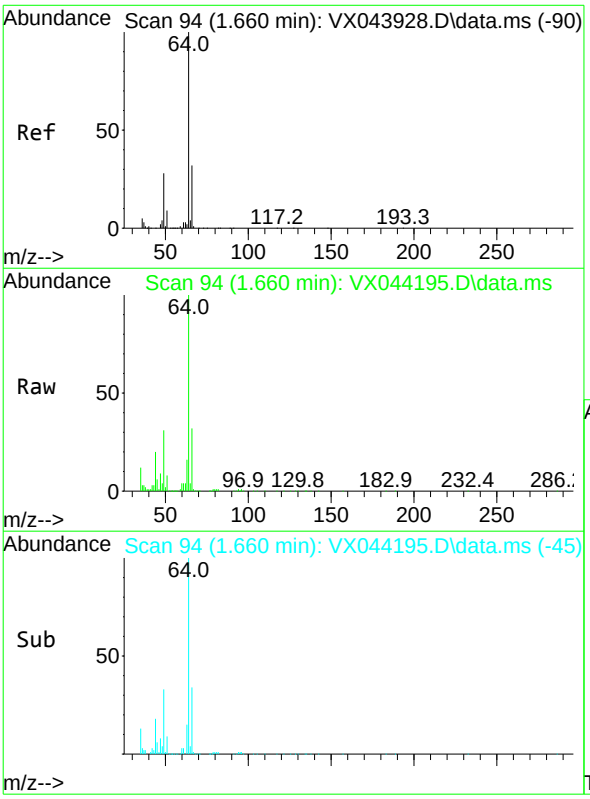
Ion	Ratio	Lower	Upper
94	100		
96	89.0	73.9	110.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

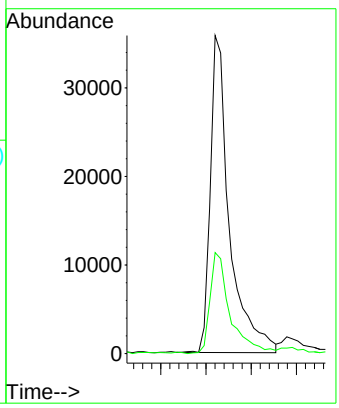
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

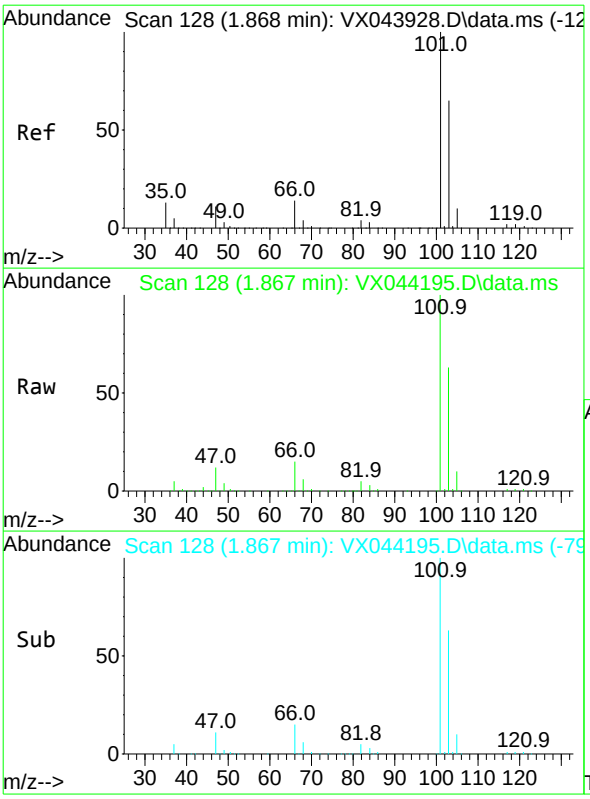


#6
Chloroethane
Concen: 46.289 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 64 Resp: 52511

Ion	Ratio	Lower	Upper
64	100		
66	31.4	25.9	38.9

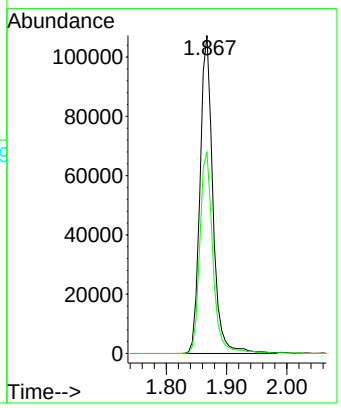




#7
Trichlorofluoromethane
Concen: 47.719 ug/l
RT: 1.867 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion:101 Resp: 158833

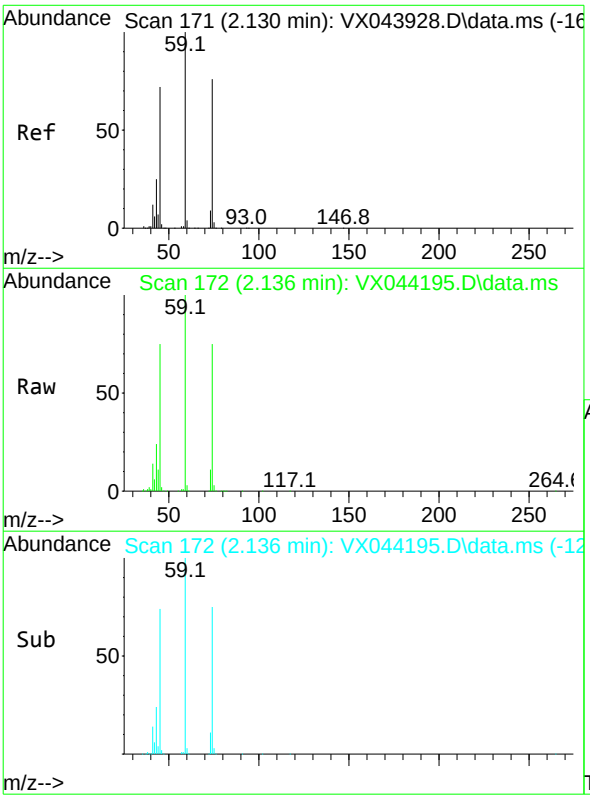
Ion	Ratio	Lower	Upper
101	100		
103	63.2	52.2	78.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

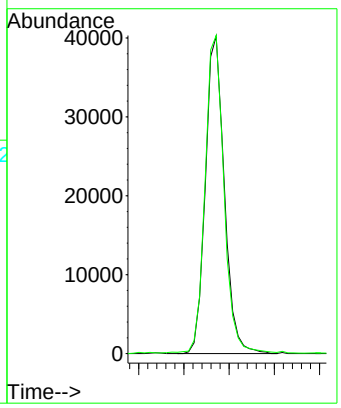
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

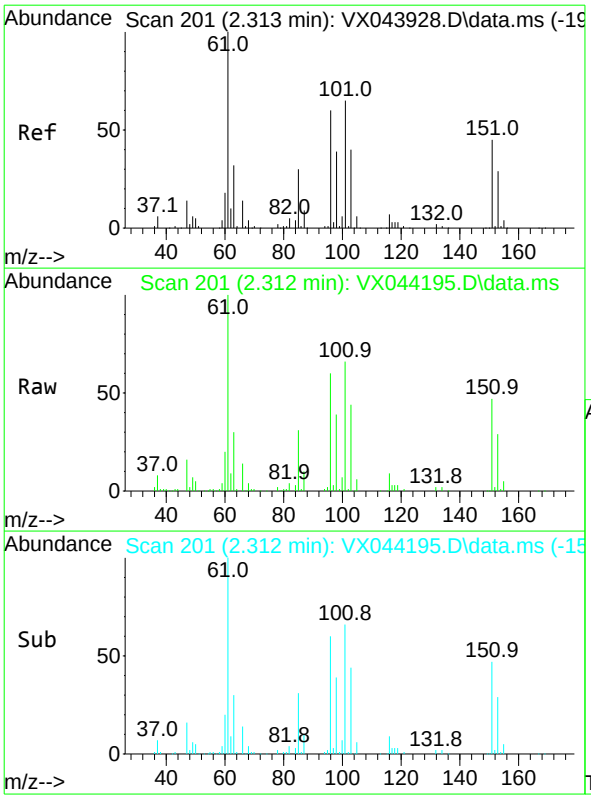


#8
Diethyl Ether
Concen: 48.156 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 74 Resp: 58422

Ion	Ratio	Lower	Upper
74	100		
45	99.2	47.9	143.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 43.767 ug/l
RT: 2.312 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

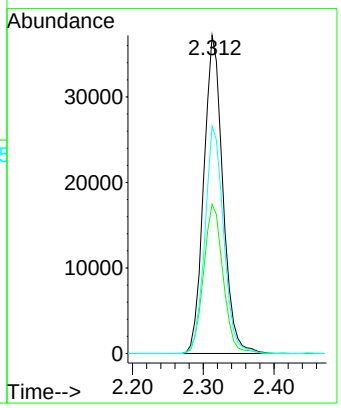
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

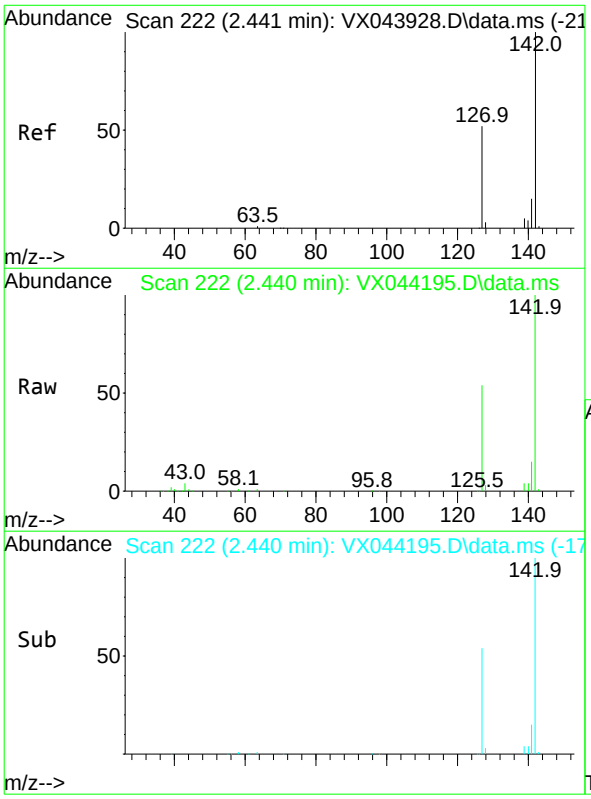
Tgt Ion:101 Resp: 69490

Ion	Ratio	Lower	Upper
101	100		
85	47.8	37.9	56.9
151	70.4	57.5	86.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

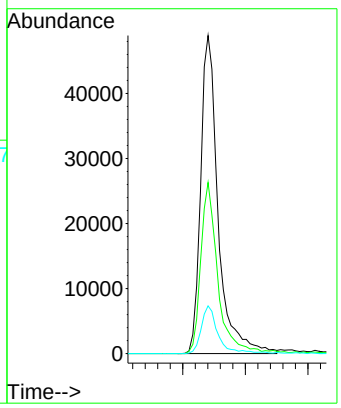


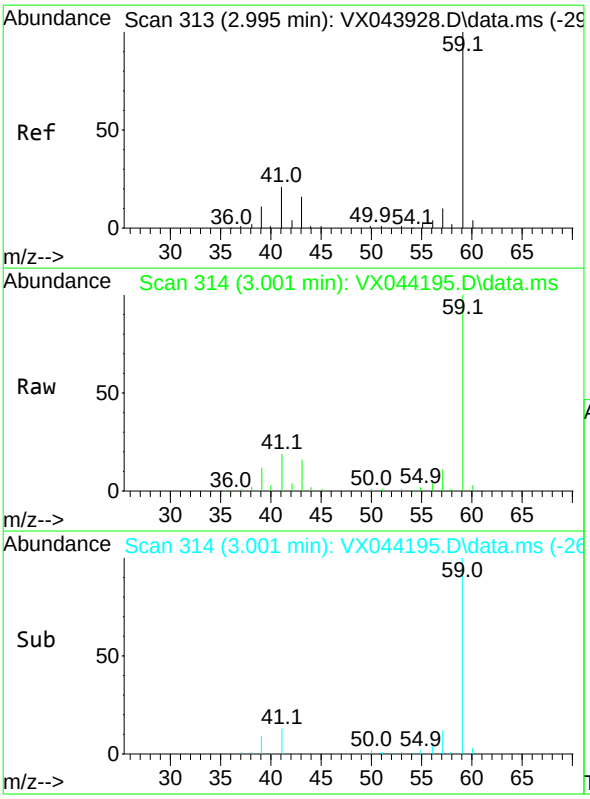


#10
Methyl Iodide
Concen: 47.840 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion:142 Resp: 94864

Ion	Ratio	Lower	Upper
142	100		
127	52.1	40.7	61.1
141	14.4	12.0	18.0

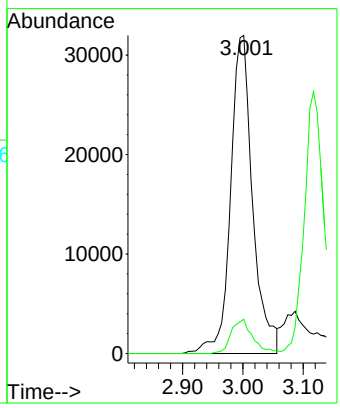




#11
Tert butyl alcohol
Concen: 224.985 ug/l
RT: 3.001 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 59 Resp: 81324

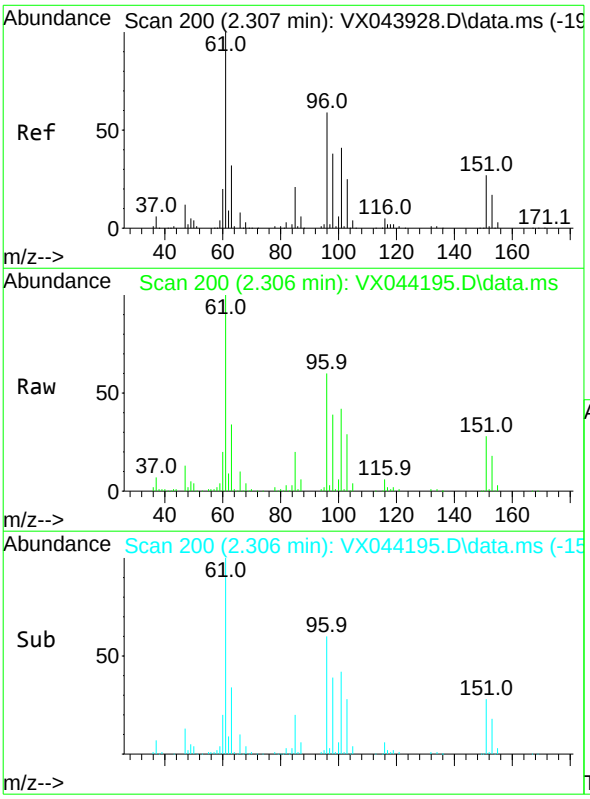
Ion	Ratio	Lower	Upper
59	100		
57	10.6	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

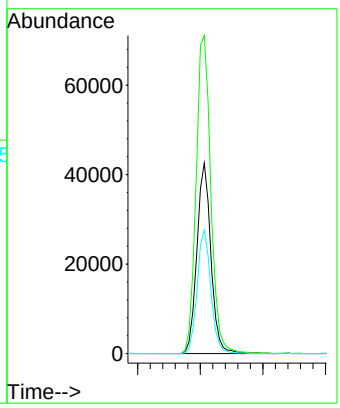
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

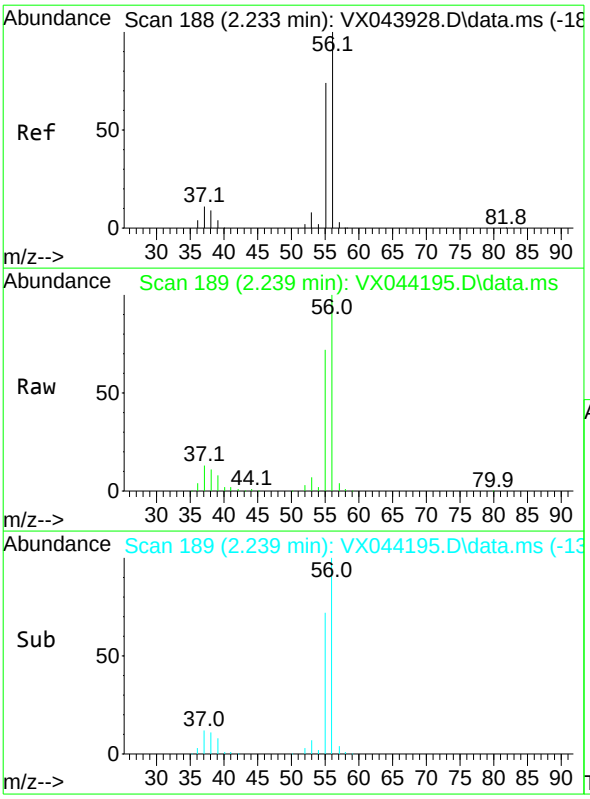


#12
1,1-Dichloroethene
Concen: 43.842 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 96 Resp: 66330

Ion	Ratio	Lower	Upper
96	100		
61	167.0	135.5	203.3
98	64.8	50.8	76.2

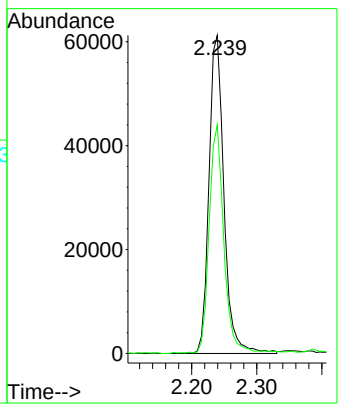




#13
Acrolein
Concen: 256.674 ug/l
RT: 2.239 min Scan# 18
Delta R.T. 0.006 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 56 Resp: 97792

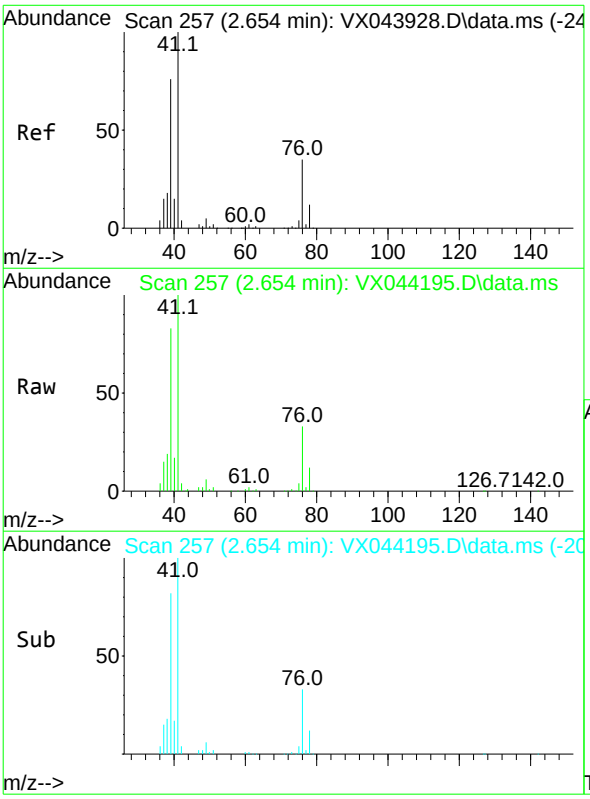
Ion	Ratio	Lower	Upper
56	100		
55	71.4	58.2	87.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

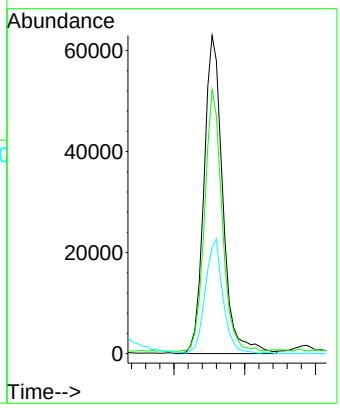
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

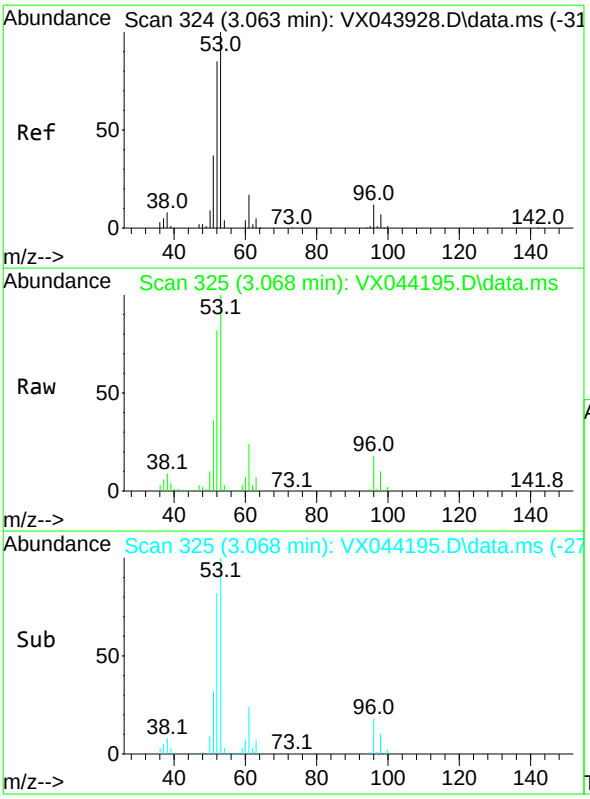


#14
Allyl chloride
Concen: 47.063 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 41 Resp: 116347

Ion	Ratio	Lower	Upper
41	100		
39	76.2	59.5	89.3
76	33.5	27.4	41.2

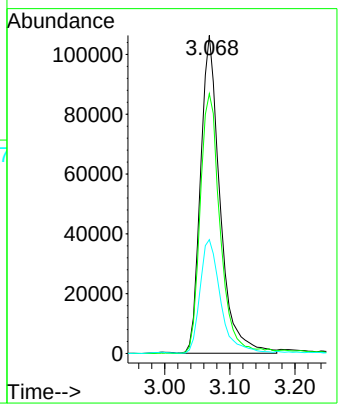




#15
Acrylonitrile
Concen: 251.011 ug/l
RT: 3.068 min Scan# 32
Delta R.T. 0.006 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 53 Resp: 221106

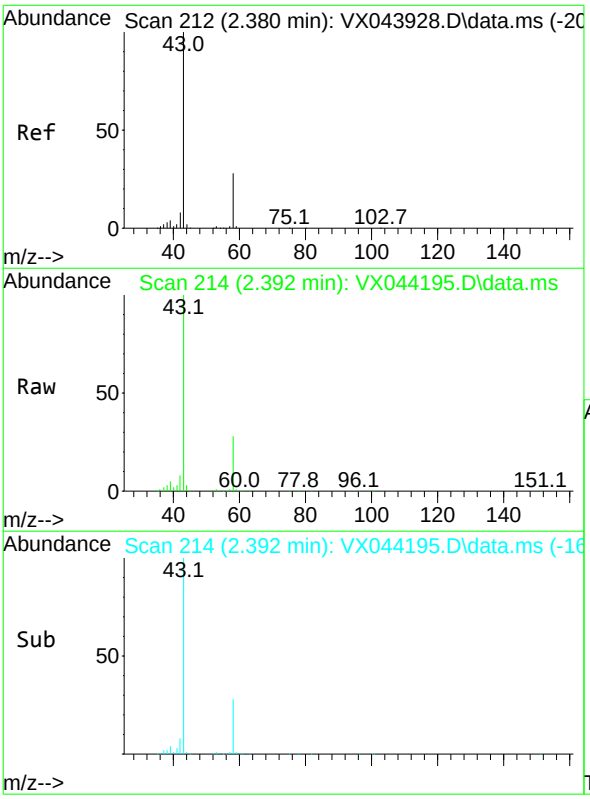
Ion	Ratio	Lower	Upper
53	100		
52	83.8	66.5	99.7
51	37.5	30.2	45.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

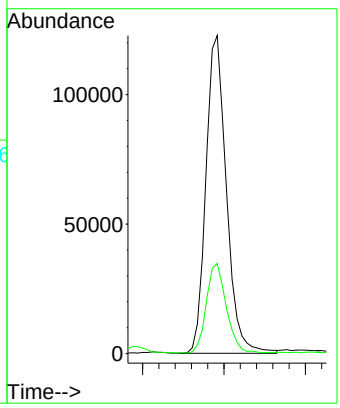
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

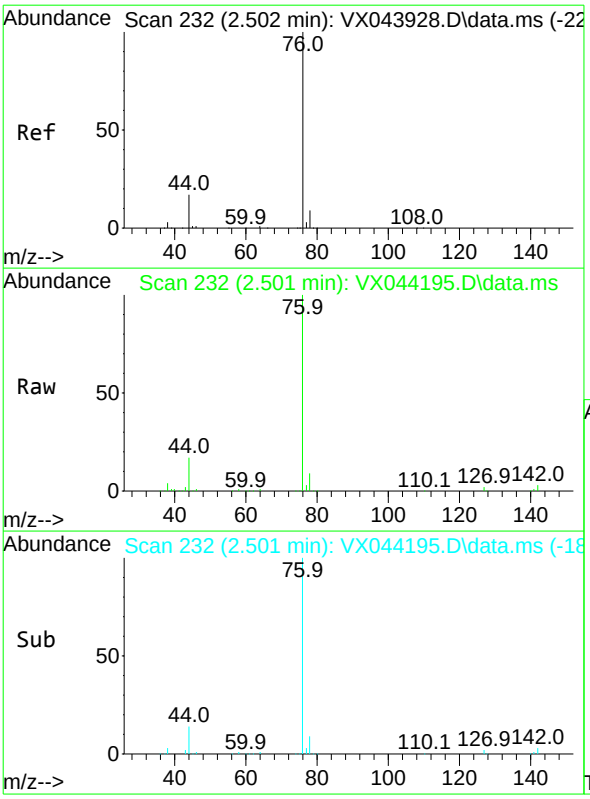


#16
Acetone
Concen: 207.003 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.012 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 43 Resp: 214107

Ion	Ratio	Lower	Upper
43	100		
58	28.2	22.7	34.1





#17
Carbon Disulfide
Concen: 36.130 ug/l
RT: 2.501 min Scan# 23
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

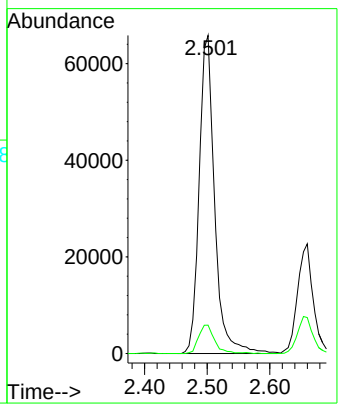
Tgt Ion: 76 Resp: 112753

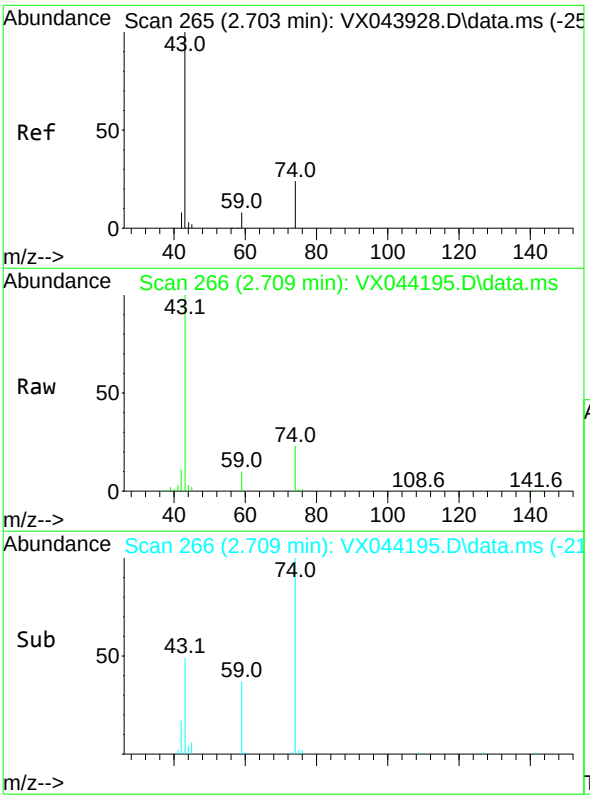
Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

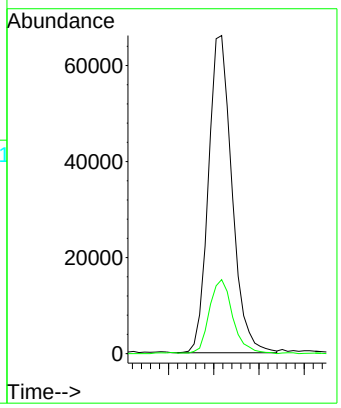


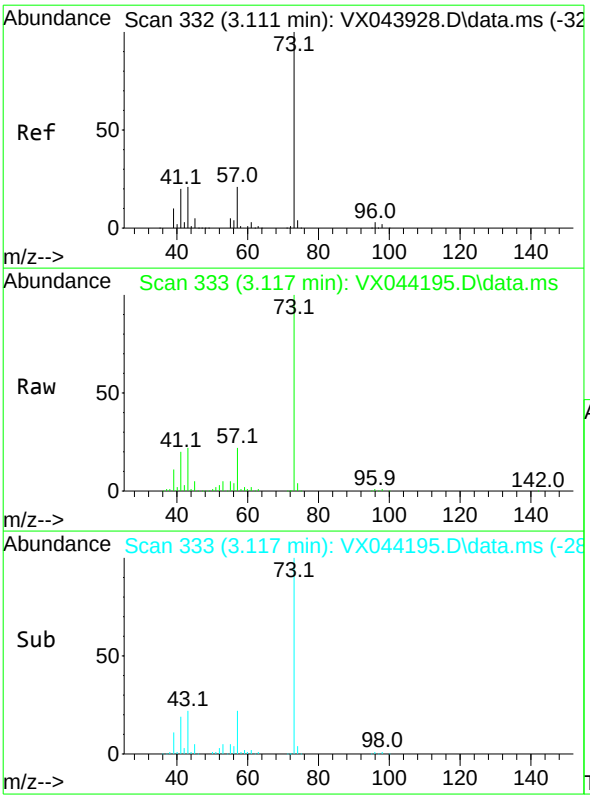


#18
Methyl Acetate
Concen: 49.645 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 43 Resp: 119578

Ion	Ratio	Lower	Upper
43	100		
74	23.2	18.9	28.3

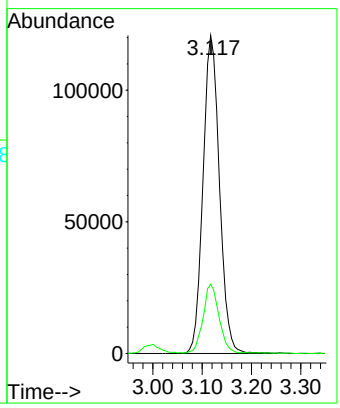




#19
Methyl tert-butyl Ether
Concen: 50.926 ug/l
RT: 3.117 min Scan# 33
Delta R.T. 0.006 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 73 Resp: 279759

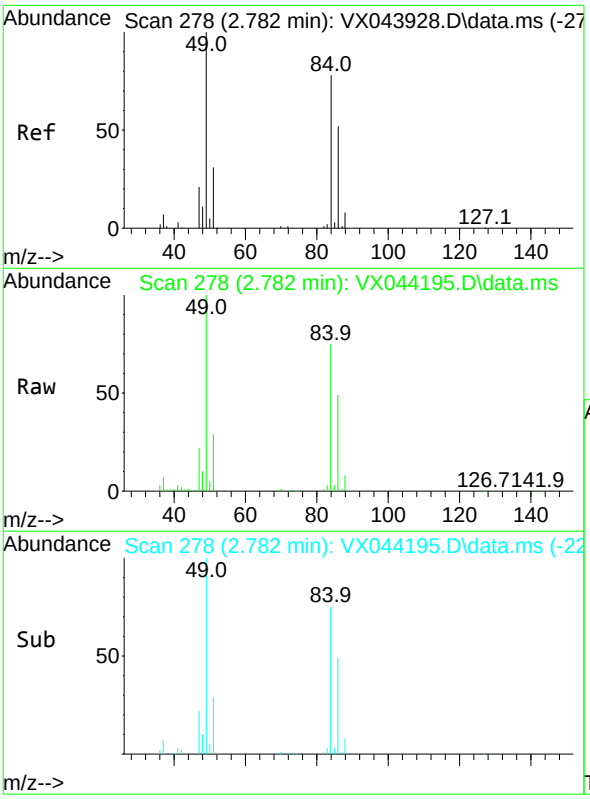
Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.0	25.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

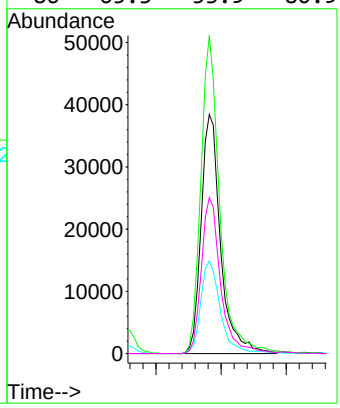
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

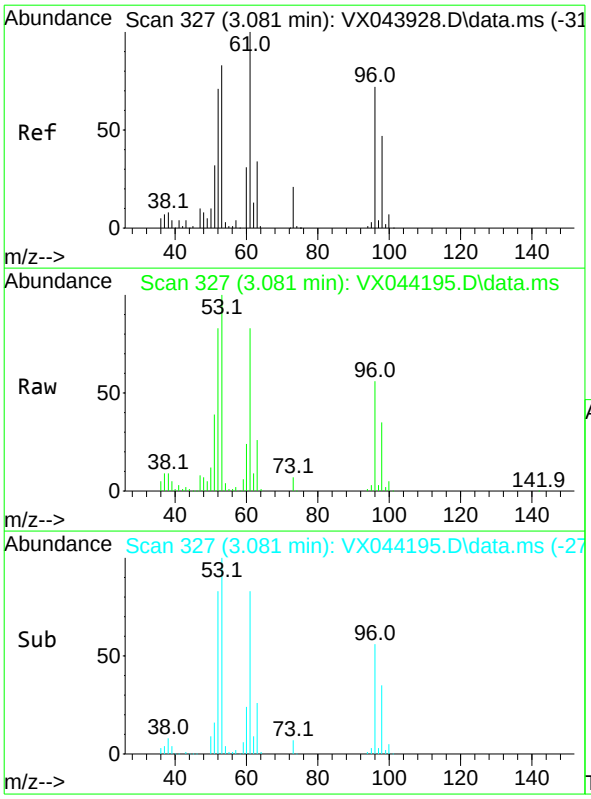


#20
Methylene Chloride
Concen: 45.418 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 84 Resp: 79720

Ion	Ratio	Lower	Upper
84	100		
49	133.0	102.7	154.1
51	38.8	31.7	47.5
86	65.3	53.9	80.9

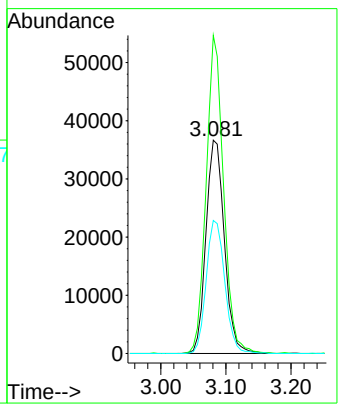




#21
trans-1,2-Dichloroethene
Concen: 46.062 ug/l
RT: 3.081 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 96 Resp: 71950

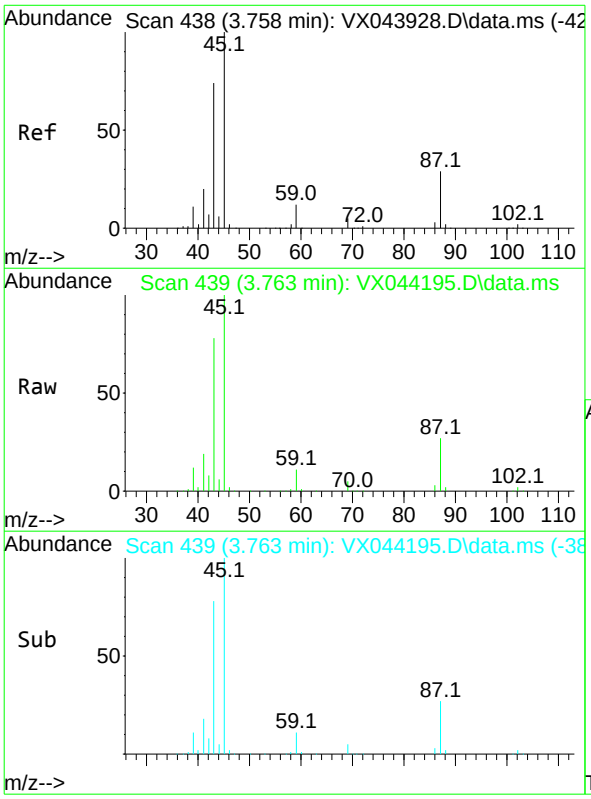
Ion	Ratio	Lower	Upper
96	100		
61	149.1	111.8	167.6
98	62.4	52.7	79.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

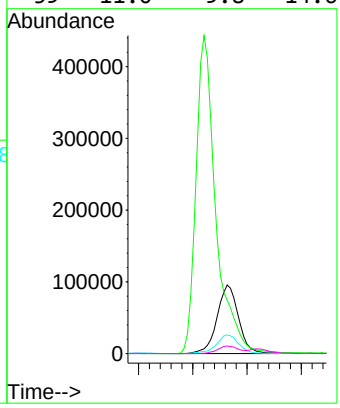
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

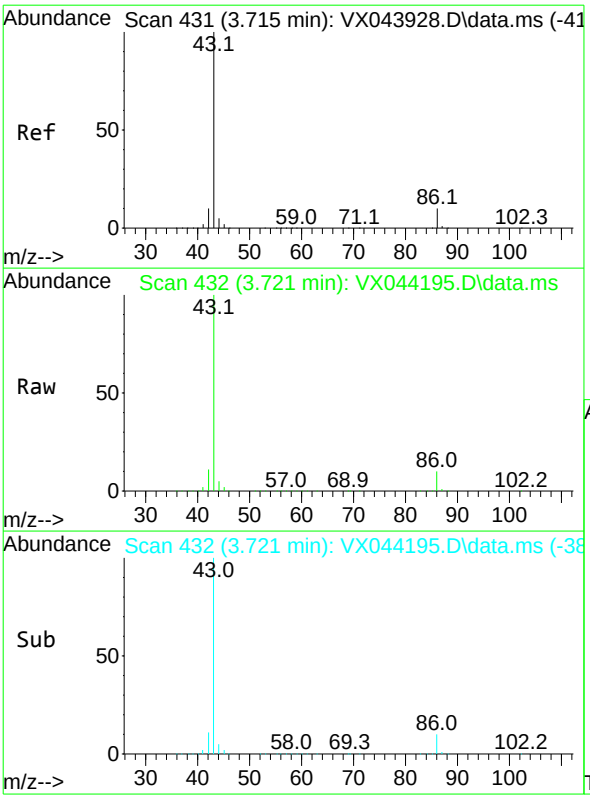


#22
Diisopropyl ether
Concen: 49.458 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 45 Resp: 261443

Ion	Ratio	Lower	Upper
45	100		
43	77.8	59.6	89.4
87	27.3	22.9	34.3
59	11.0	9.8	14.6





#23
Vinyl Acetate
Concen: 250.436 ug/l
RT: 3.721 min Scan# 43
Delta R.T. 0.006 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

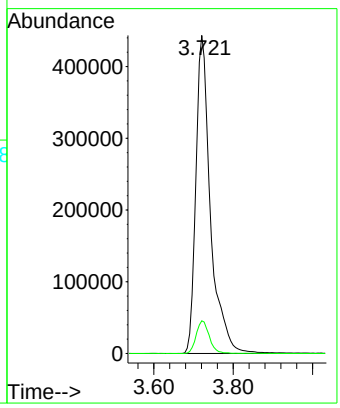
Tgt Ion: 43 Resp: 1132475

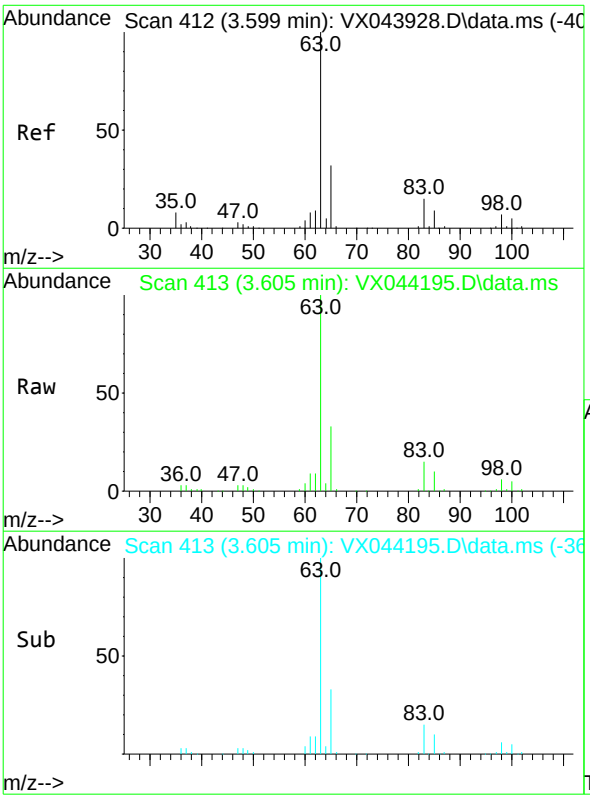
Ion	Ratio	Lower	Upper
43	100		
86	10.3	8.3	12.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

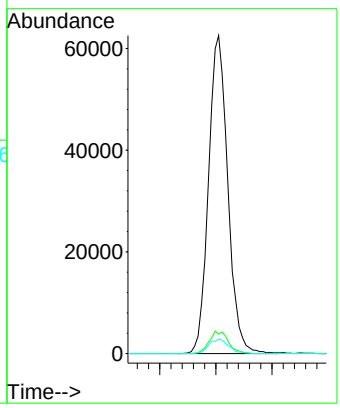


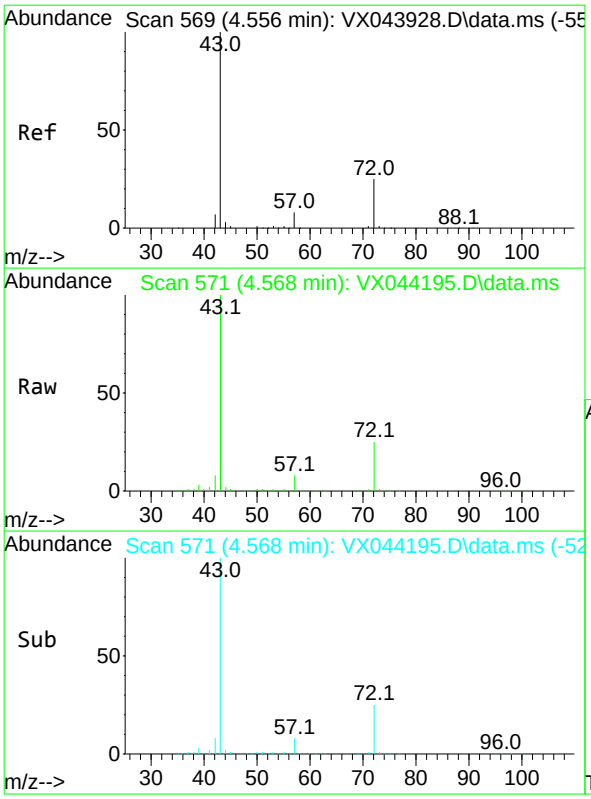


#24
1,1-Dichloroethane
Concen: 48.934 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 63 Resp: 149227

Ion	Ratio	Lower	Upper
63	100		
98	6.1	3.5	10.6
100	4.5	2.4	7.1





#25
2-Butanone
Concen: 248.401 ug/l
RT: 4.568 min Scan# 57
Delta R.T. 0.012 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

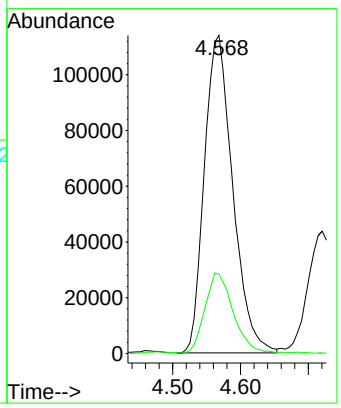
Tgt Ion: 43 Resp: 331515

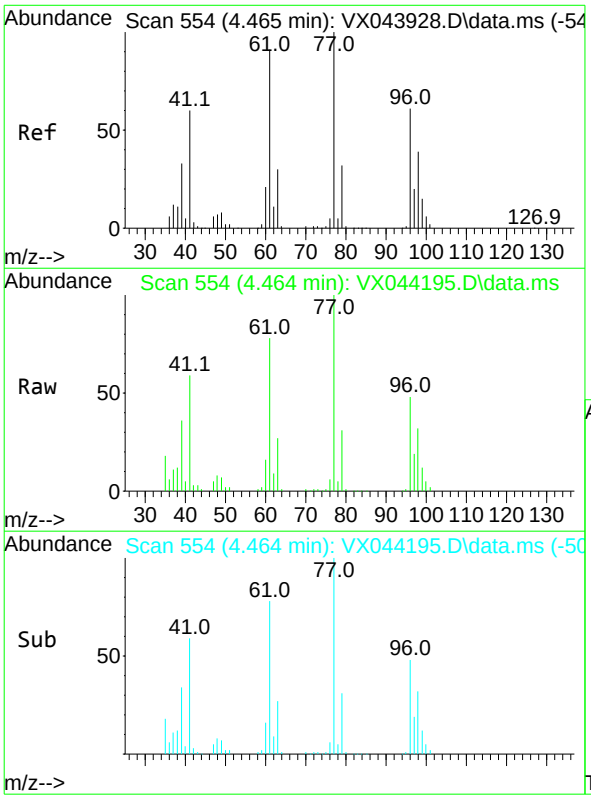
Ion	Ratio	Lower	Upper
43	100		
72	24.8	20.2	30.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

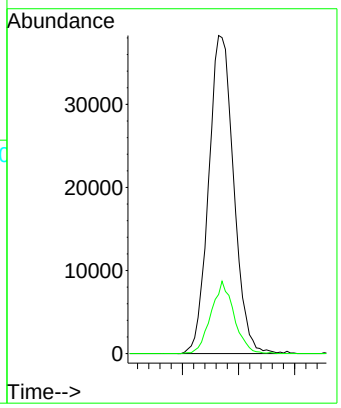


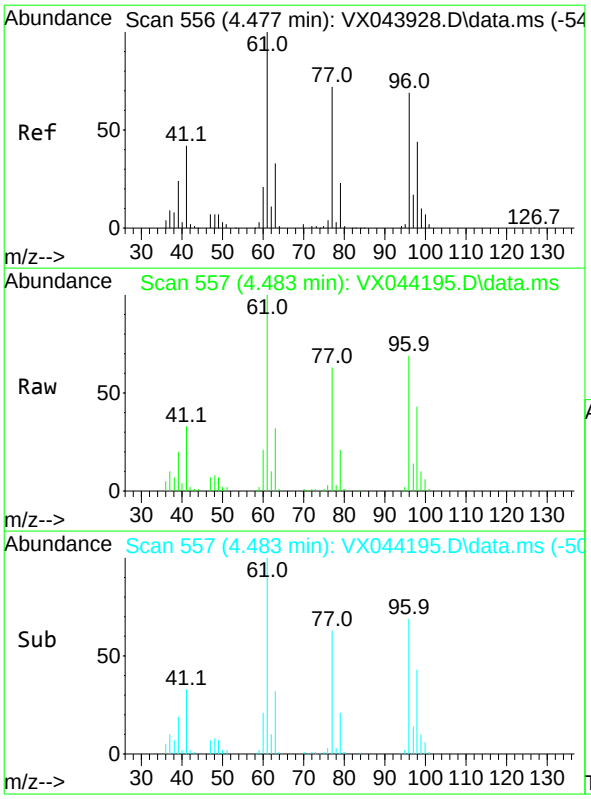


#26
2,2-Dichloropropane
Concen: 43.095 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 77 Resp: 118688

Ion	Ratio	Lower	Upper
77	100		
97	20.9	10.8	32.3





#27
cis-1,2-Dichloroethene
Concen: 47.328 ug/l
RT: 4.483 min Scan# 55
Delta R.T. 0.006 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

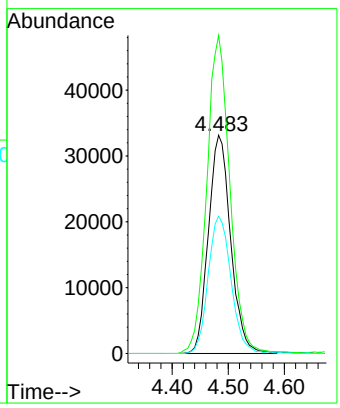
Tgt Ion: 96 Resp: 91381

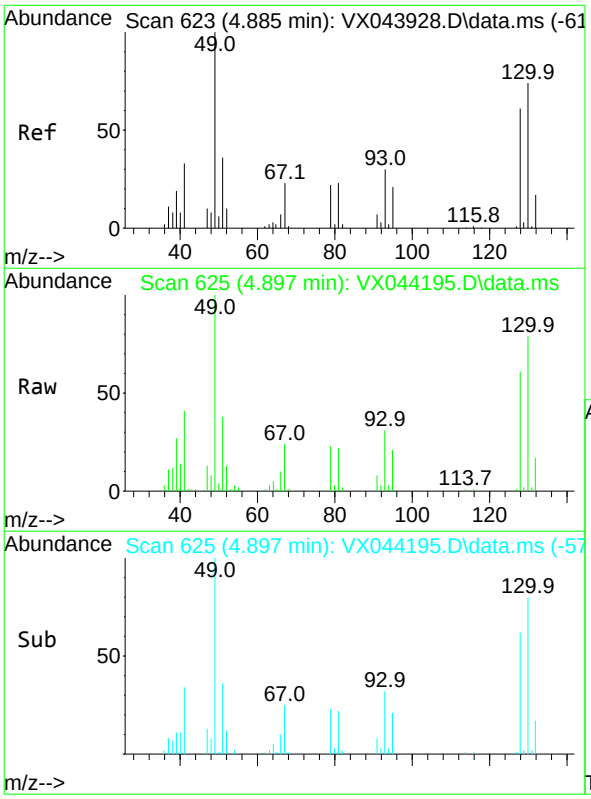
Ion	Ratio	Lower	Upper
96	100		
61	151.2	0.0	297.4
98	65.0	0.0	127.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

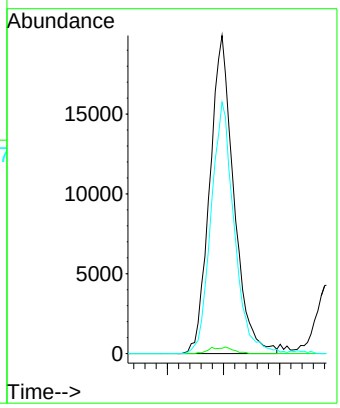


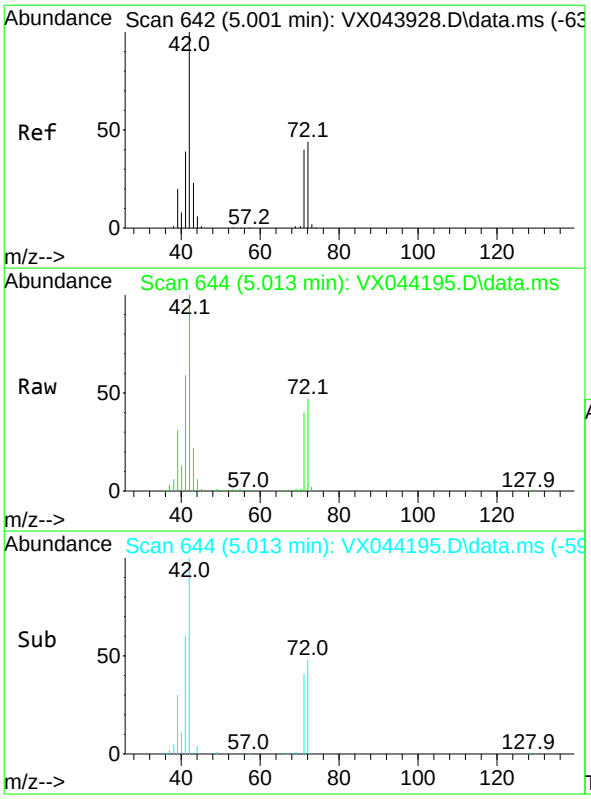


#28
Bromochloromethane
Concen: 44.170 ug/l
RT: 4.897 min Scan# 625
Delta R.T. 0.012 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 49 Resp: 59291

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	76.2	59.0	88.6





#29
Tetrahydrofuran
Concen: 259.914 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.012 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

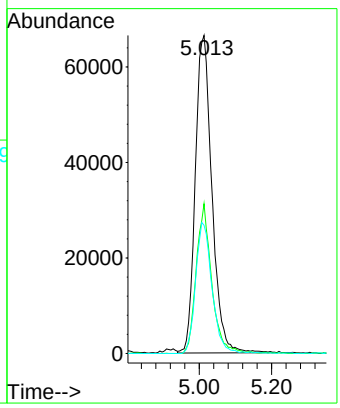
Tgt Ion: 42 Resp: 212659

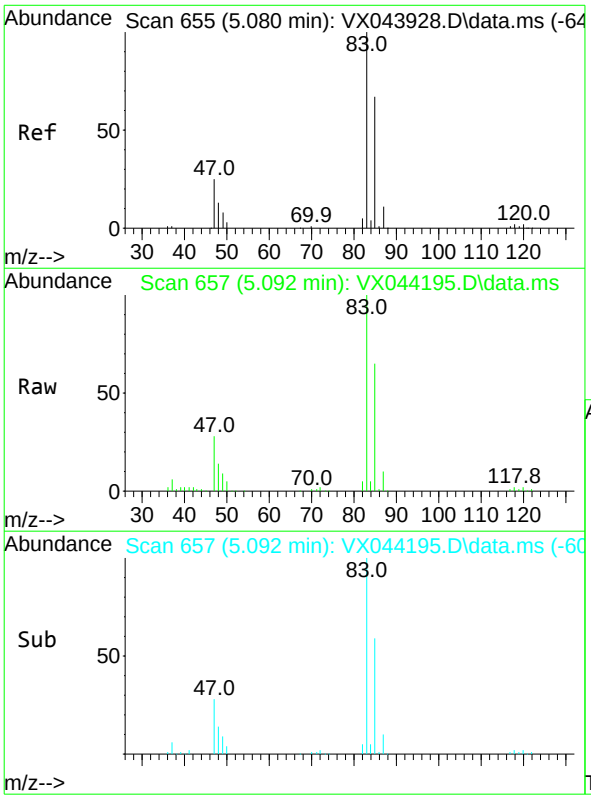
Ion	Ratio	Lower	Upper
42	100		
72	43.5	36.4	54.6
71	40.5	33.4	50.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

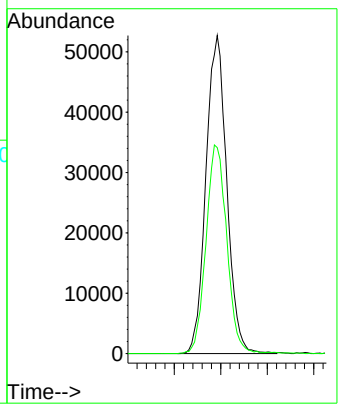


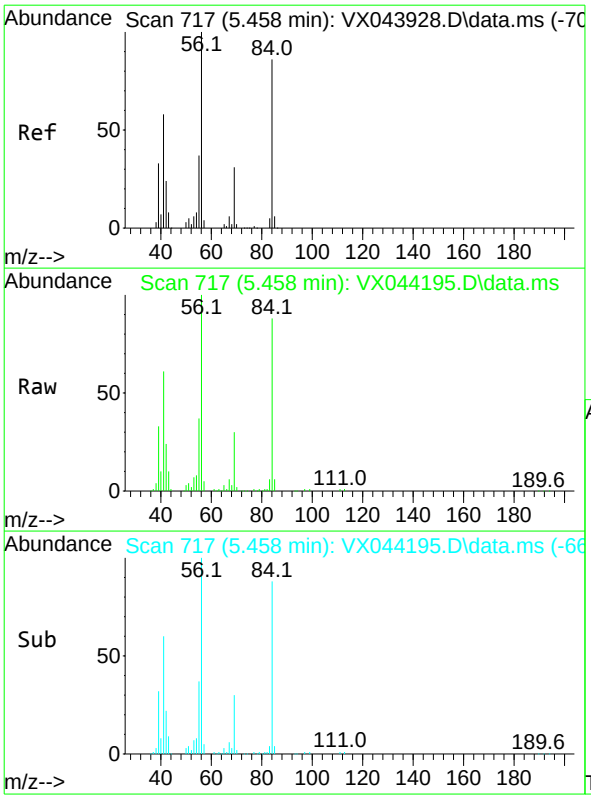


#30
Chloroform
Concen: 50.011 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.012 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 83 Resp: 164031

Ion	Ratio	Lower	Upper
83	100		
85	64.8	53.5	80.3





#31
Cyclohexane
Concen: 44.246 ug/l
RT: 5.458 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

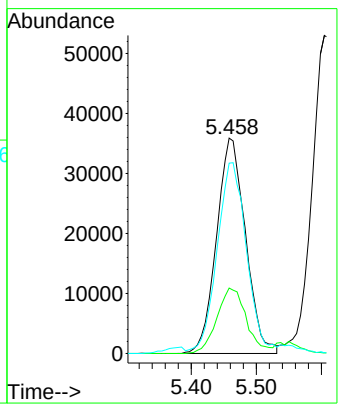
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

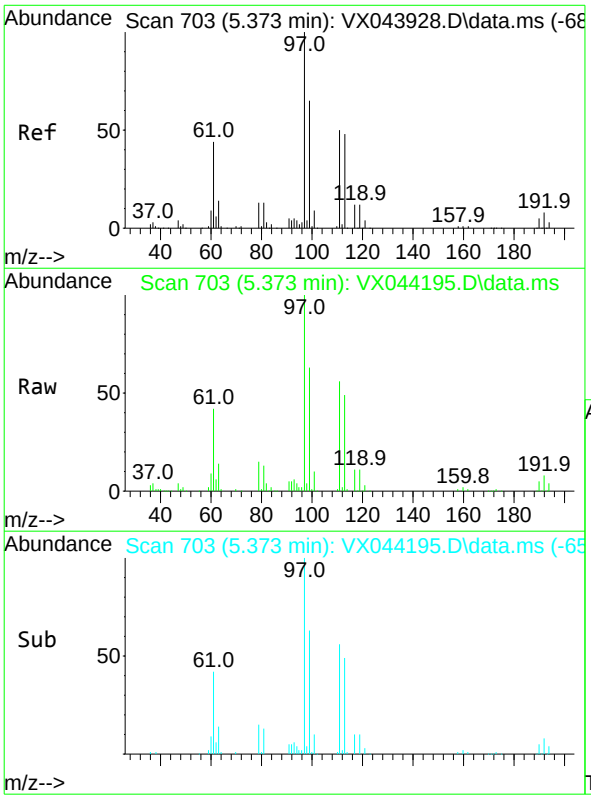
Tgt Ion: 56 Resp: 111053

Ion	Ratio	Lower	Upper
56	100		
69	30.4	24.7	37.1
84	85.6	68.7	103.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

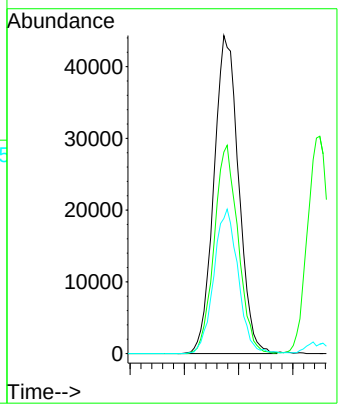


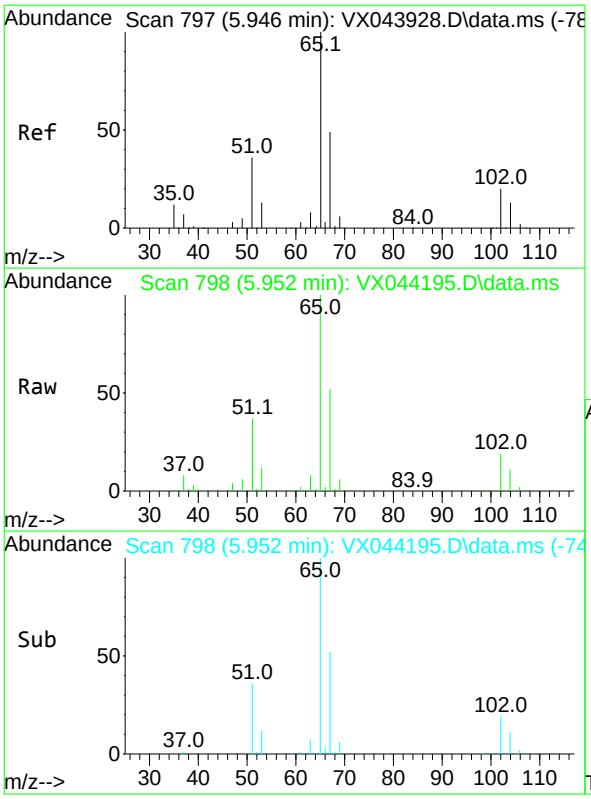


#32
1,1,1-Trichloroethane
Concen: 49.647 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 97 Resp: 140424

Ion	Ratio	Lower	Upper
97	100		
99	63.2	50.8	76.2
61	44.7	35.4	53.2





#33
1,2-Dichloroethane-d4
Concen: 46.681 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.006 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

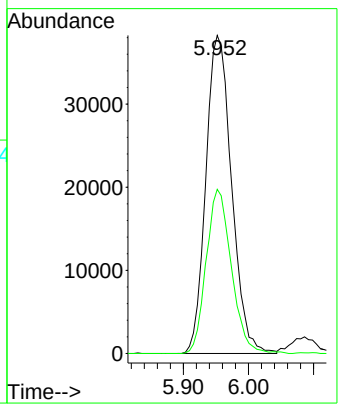
Tgt Ion: 65 Resp: 105126

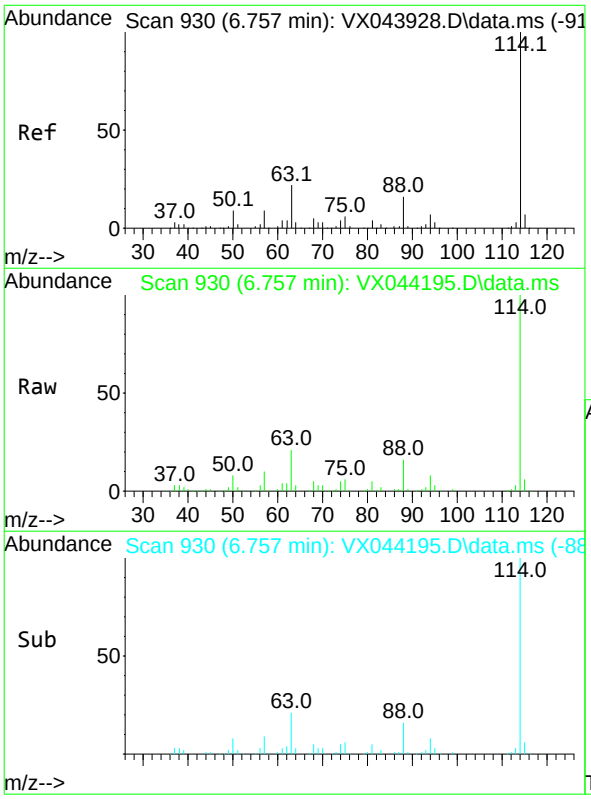
Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	100.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

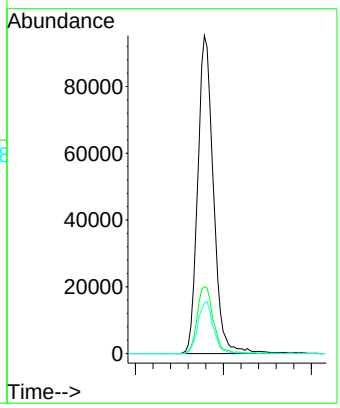


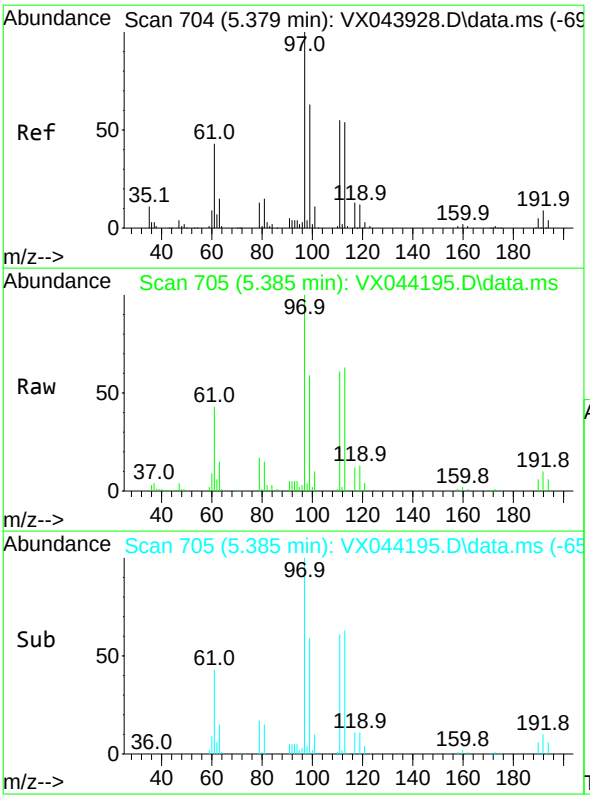


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion:114 Resp: 235785

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	44.0
88	15.8	0.0	32.4

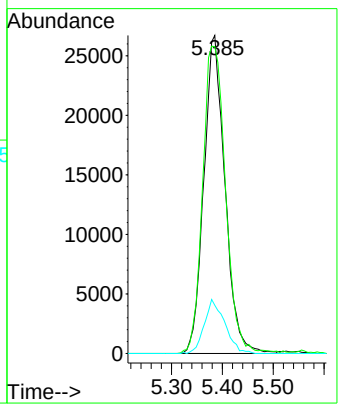




#35
Dibromofluoromethane
Concen: 45.723 ug/l
RT: 5.385 min Scan# 70
Delta R.T. 0.006 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion:113 Resp: 77035

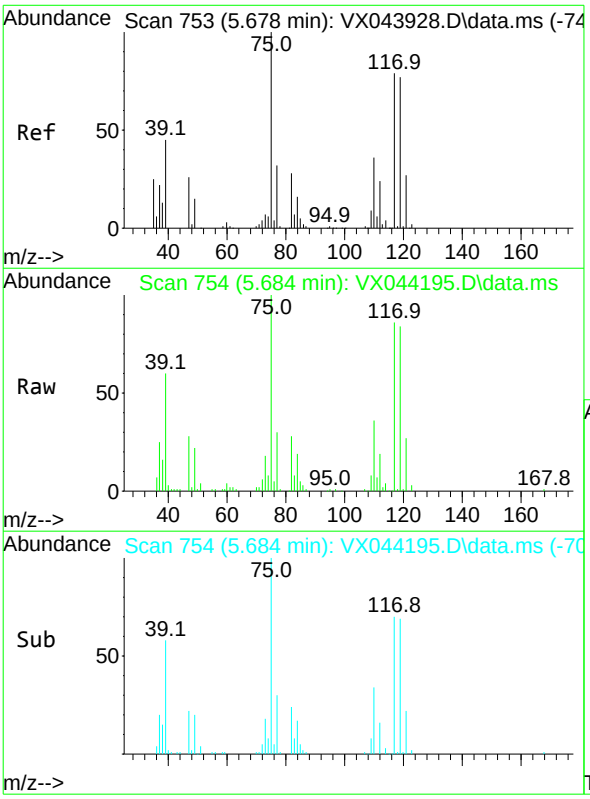
Ion	Ratio	Lower	Upper
113	100		
111	104.1	81.0	121.4
192	16.6	13.0	19.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

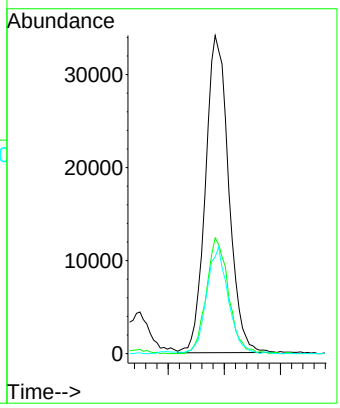
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

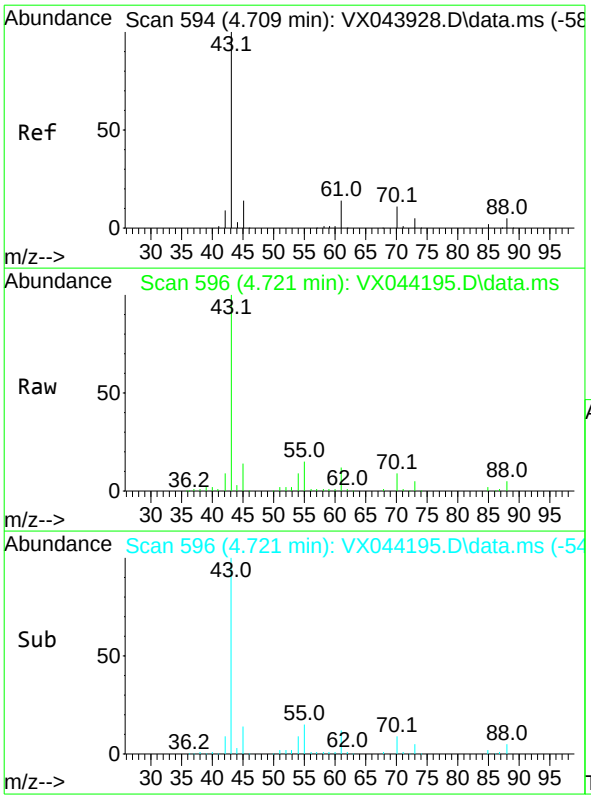


#36
1,1-Dichloropropene
Concen: 46.667 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 75 Resp: 97977

Ion	Ratio	Lower	Upper
75	100		
110	34.8	17.4	52.2
77	31.2	25.8	38.8

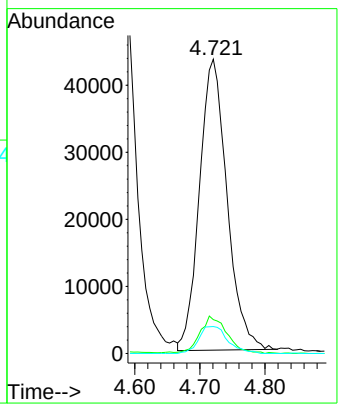




#37
Ethyl Acetate
Concen: 49.112 ug/l
RT: 4.721 min Scan# 59
Delta R.T. 0.012 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 43 Resp: 127992

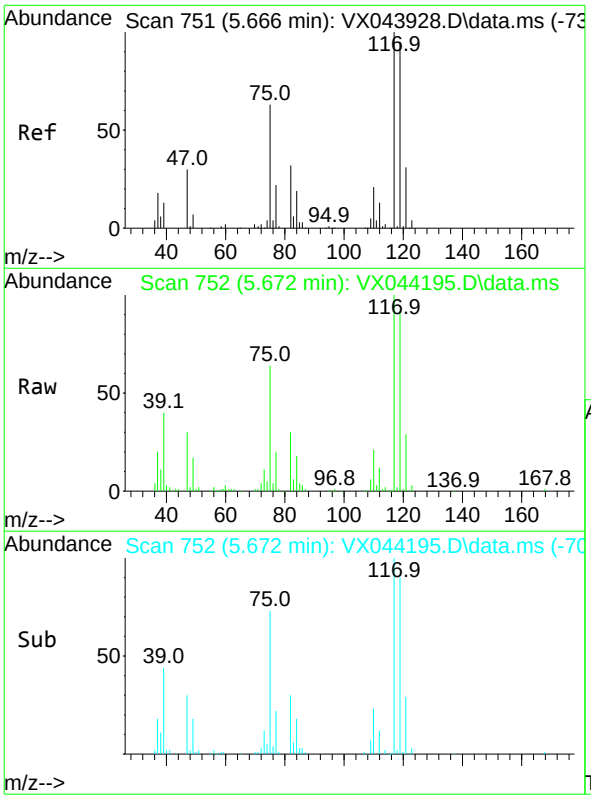
Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.7	16.1
70	9.7	8.0	12.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

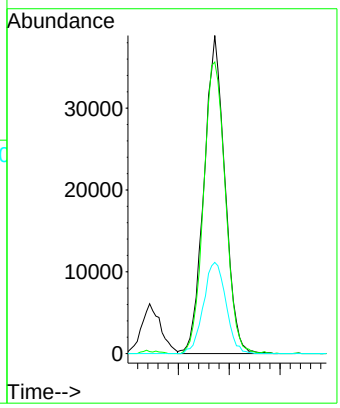
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

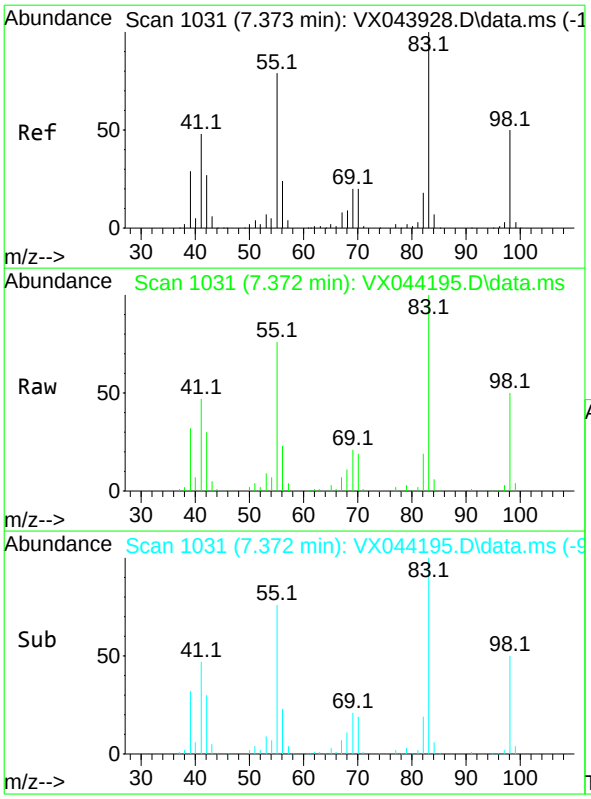


#38
Carbon Tetrachloride
Concen: 47.113 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.006 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion:117 Resp: 111142

Ion	Ratio	Lower	Upper
117	100		
119	91.7	75.2	112.8
121	28.7	24.5	36.7

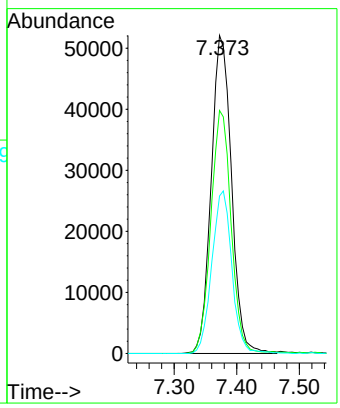




#39
Methylcyclohexane
Concen: 43.022 ug/l
RT: 7.372 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 83 Resp: 117340

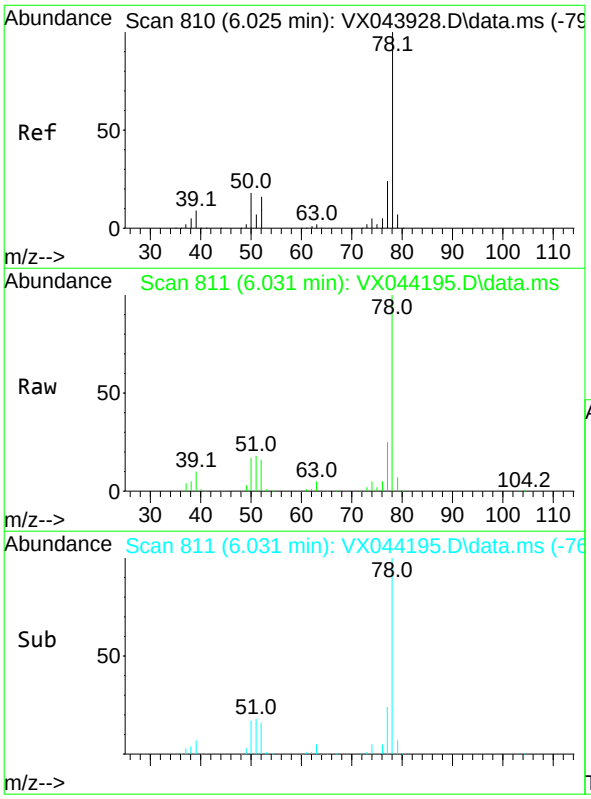
Ion	Ratio	Lower	Upper
83	100		
55	76.4	63.1	94.7
98	49.5	40.0	60.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

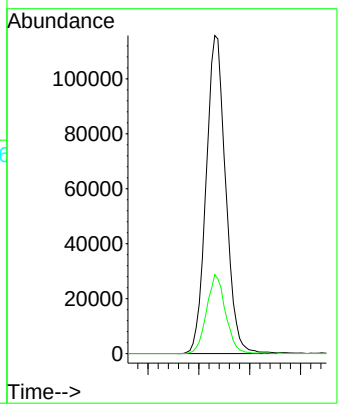
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

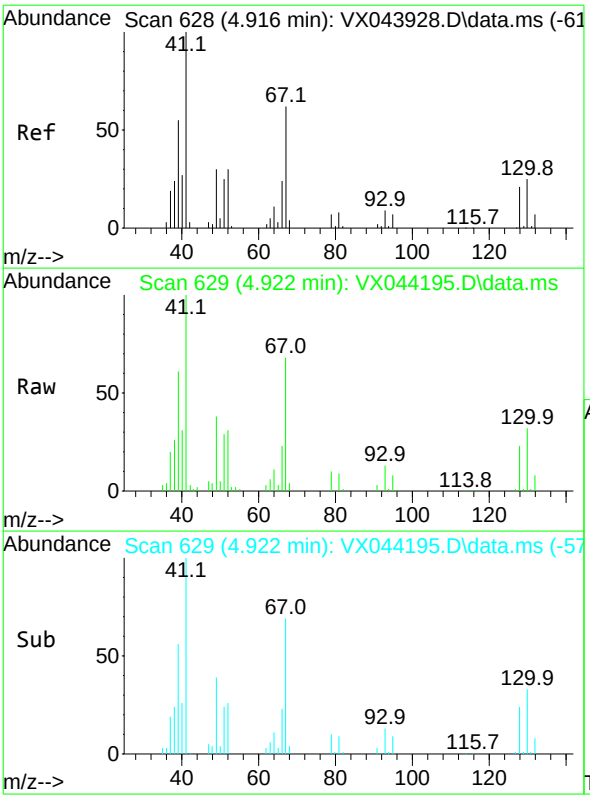


#40
Benzene
Concen: 47.218 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 78 Resp: 308789

Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.2	28.8

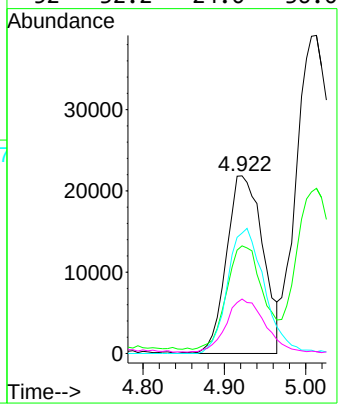




#41
Methacrylonitrile
Concen: 51.129 ug/l
RT: 4.922 min Scan# 62
Delta R.T. 0.006 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 41 Resp: 68199

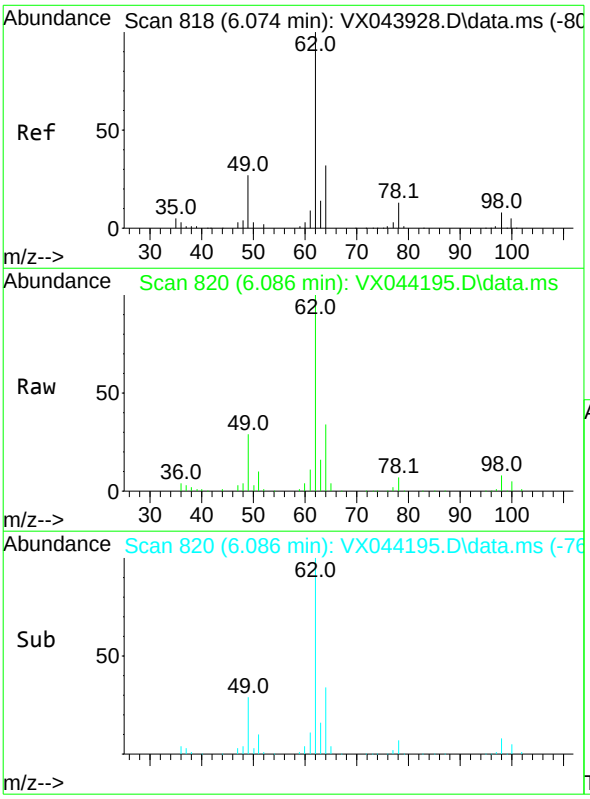
Ion	Ratio	Lower	Upper
41	100		
39	57.4	41.7	62.5
67	71.7	55.8	83.8
52	32.2	24.0	36.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

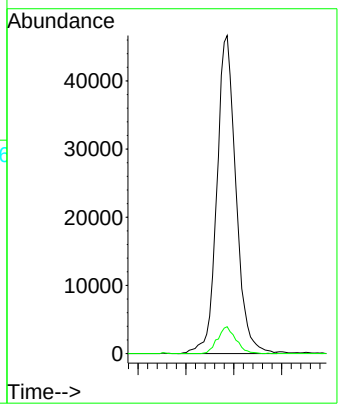
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

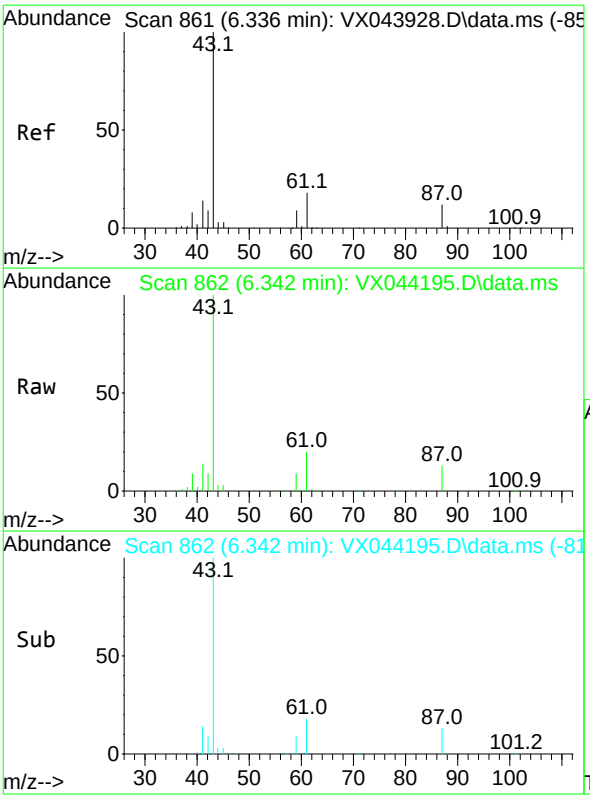


#42
1,2-Dichloroethane
Concen: 49.190 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.012 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 62 Resp: 129196

Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	16.4

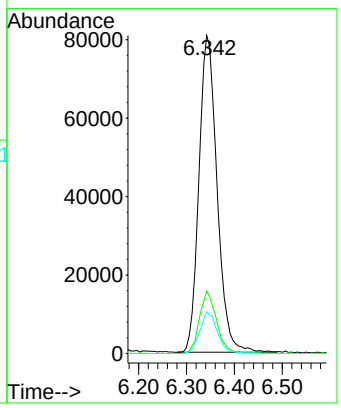




#43
Isopropyl Acetate
Concen: 51.255 ug/l
RT: 6.342 min Scan# 86
Delta R.T. 0.006 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 43 Resp: 212581

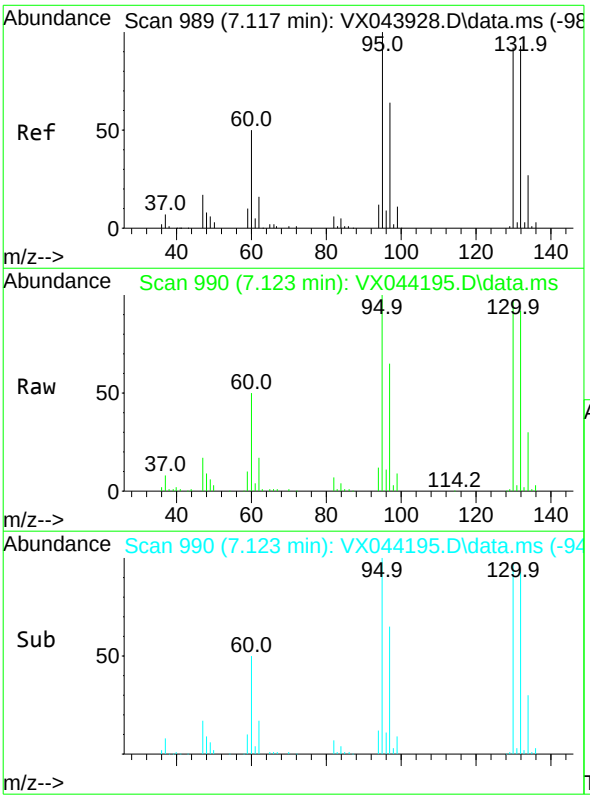
Ion	Ratio	Lower	Upper
43	100		
61	18.5	14.5	21.7
87	12.7	10.2	15.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

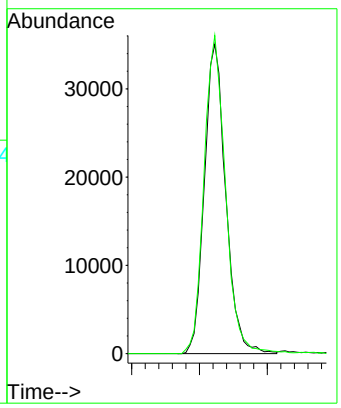
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

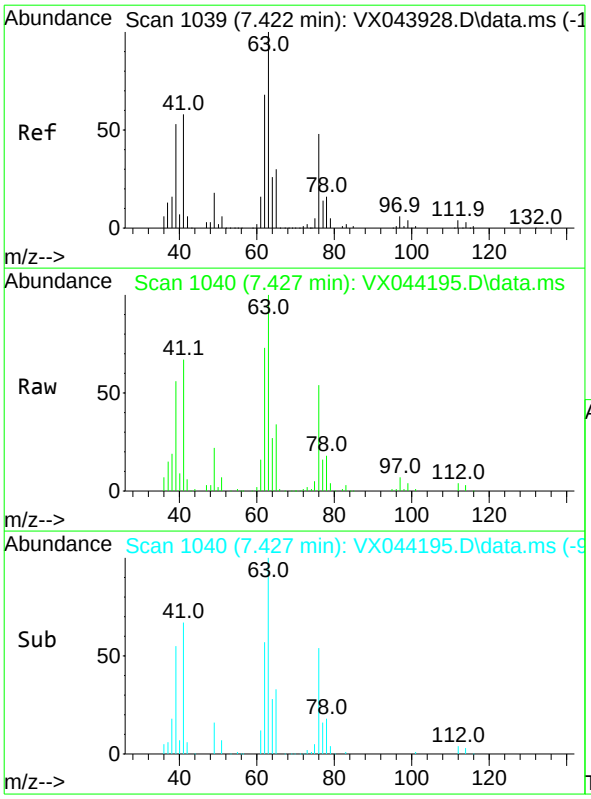


#44
Trichloroethene
Concen: 41.377 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion:130 Resp: 76601

Ion	Ratio	Lower	Upper
130	100		
95	102.8	0.0	217.8





#45
1,2-Dichloropropane
Concen: 48.435 ug/l
RT: 7.427 min Scan# 10
Delta R.T. 0.006 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

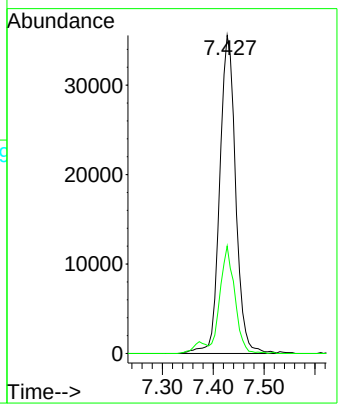
Tgt Ion: 63 Resp: 77580

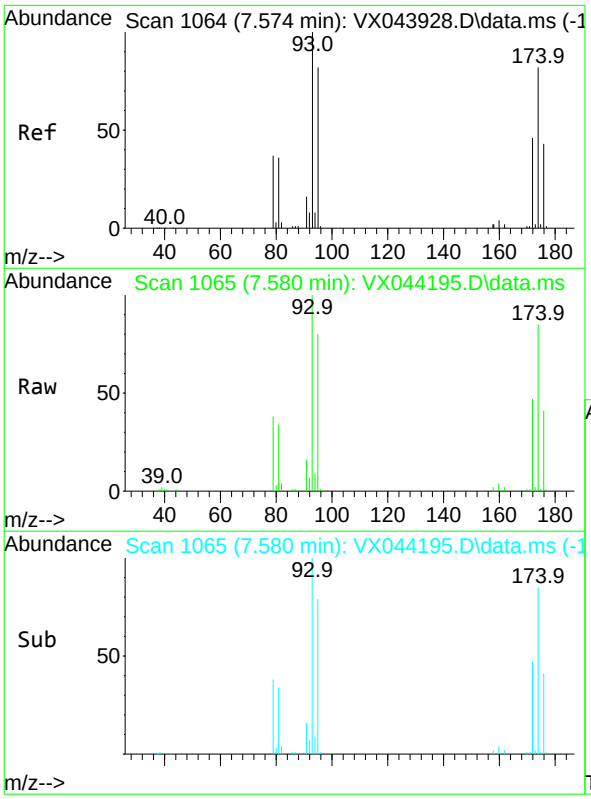
Ion	Ratio	Lower	Upper
63	100		
65	33.8	23.8	35.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

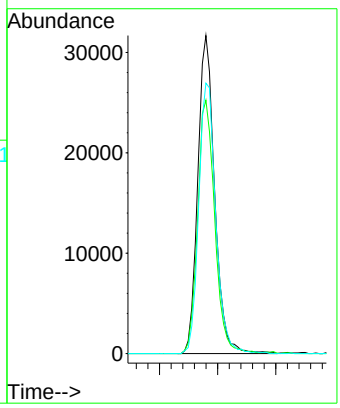


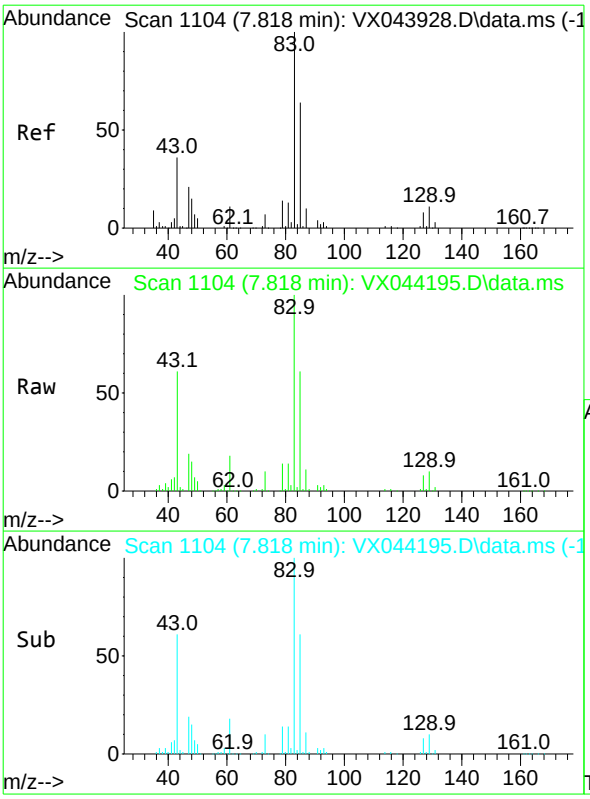


#46
Dibromomethane
Concen: 50.484 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 93 Resp: 63965

Ion	Ratio	Lower	Upper
93	100		
95	80.7	66.2	99.4
174	86.0	69.6	104.4

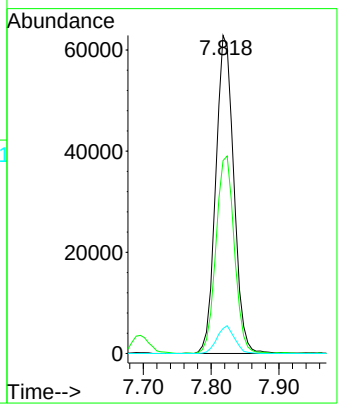




#47
Bromodichloromethane
Concen: 51.205 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 83 Resp: 116358

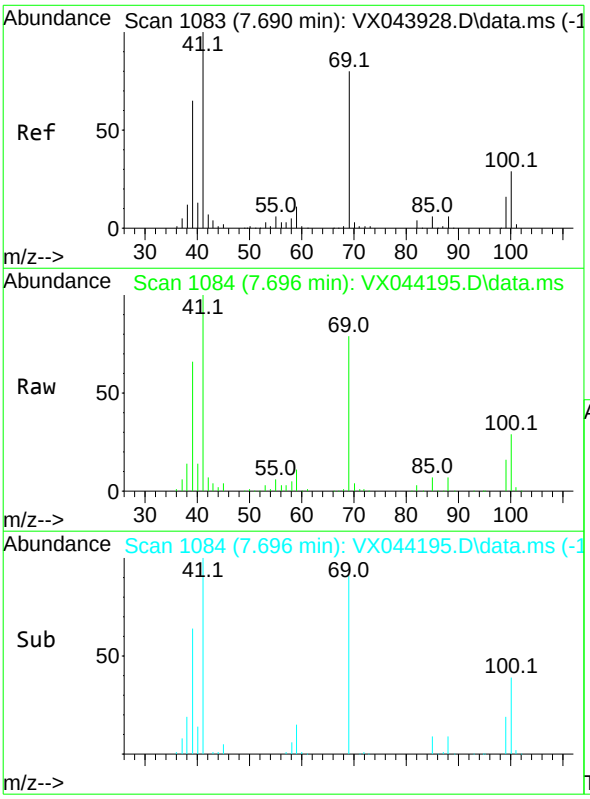
Ion	Ratio	Lower	Upper
83	100		
85	60.6	51.4	77.0
127	7.8	6.6	10.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

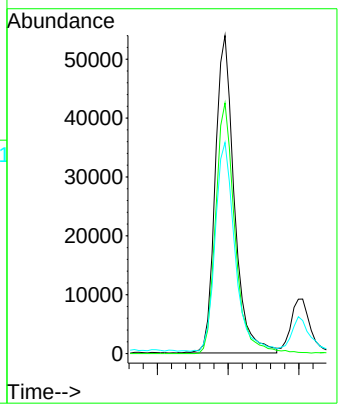
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

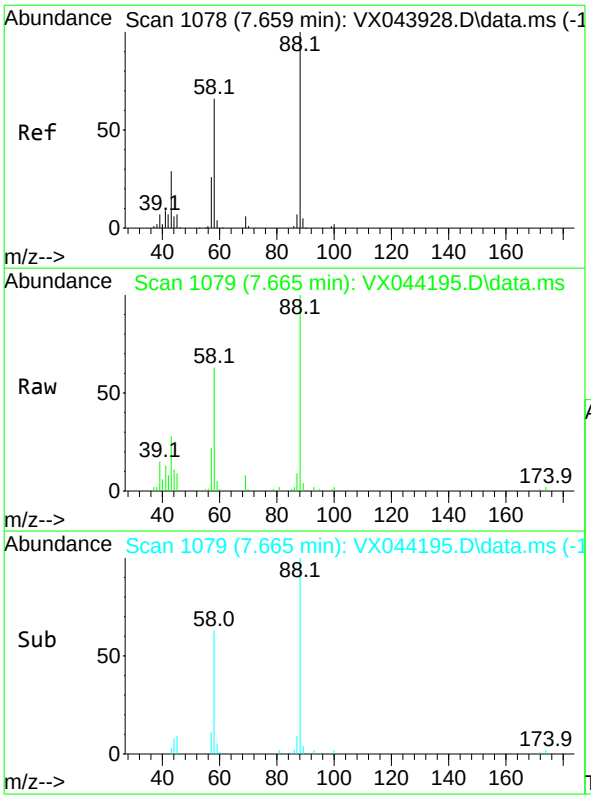


#48
Methyl methacrylate
Concen: 50.698 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 41 Resp: 100896

Ion	Ratio	Lower	Upper
41	100		
69	80.0	64.6	97.0
39	67.5	53.3	79.9





#49
1,4-Dioxane
Concen: 839.512 ug/l
RT: 7.665 min Scan# 10
Delta R.T. 0.006 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

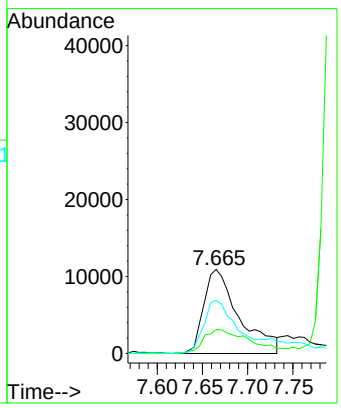
Tgt Ion: 88 Resp: 29761

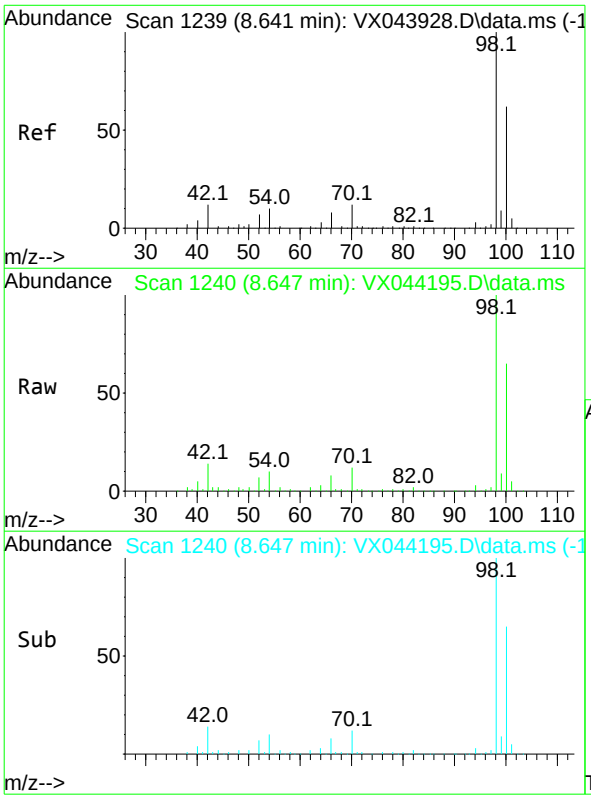
Ion	Ratio	Lower	Upper
88	100		
43	38.1	26.8	40.2
58	76.2	45.4	68.2#

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

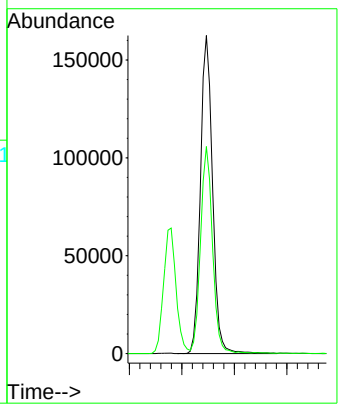


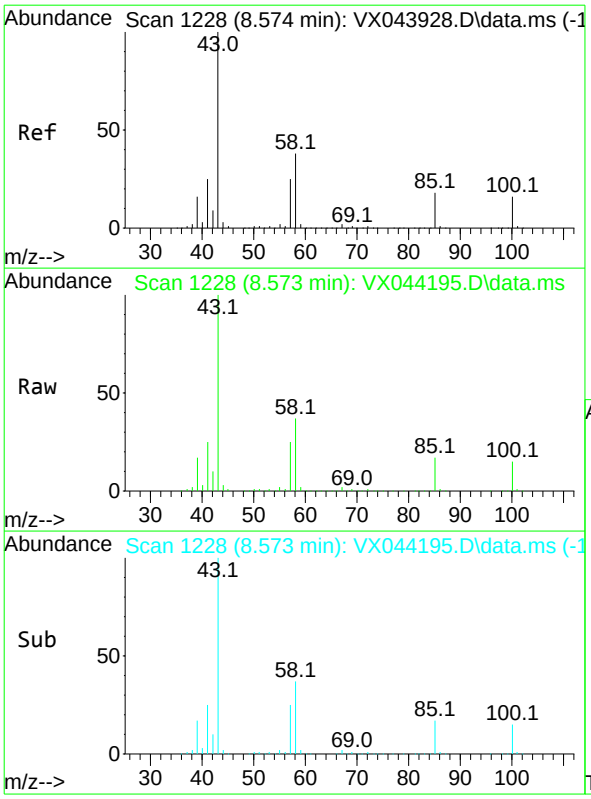


#50
Toluene-d8
Concen: 44.830 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 98 Resp: 260361

Ion	Ratio	Lower	Upper
98	100		
100	63.7	52.6	79.0

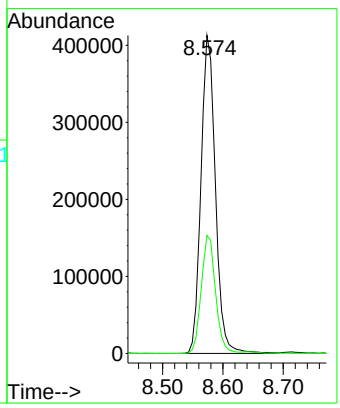




#51
4-Methyl-2-Pentanone
Concen: 270.971 ug/l
RT: 8.573 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 43 Resp: 685832

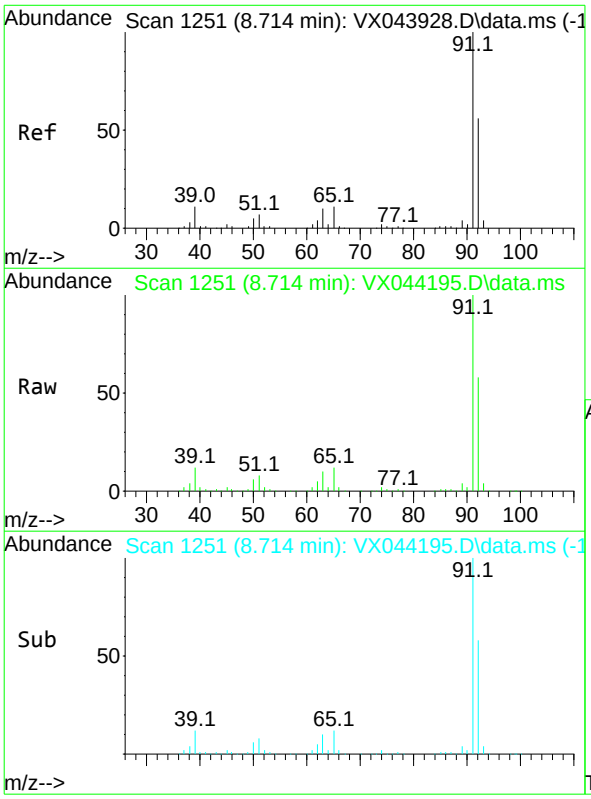
Ion	Ratio	Lower	Upper
43	100		
58	36.8	30.0	45.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

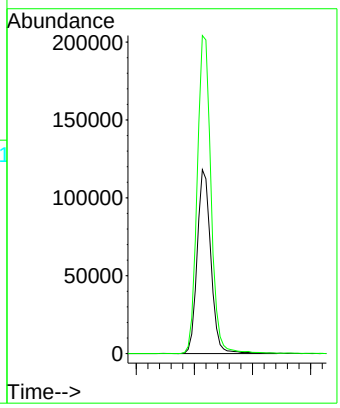
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

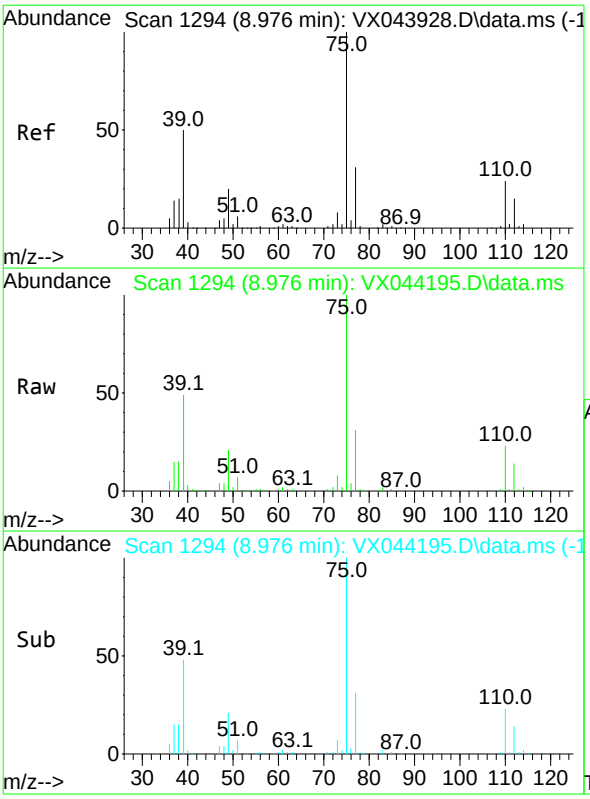


#52
Toluene
Concen: 49.168 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 92 Resp: 192454

Ion	Ratio	Lower	Upper
92	100		
91	175.2	139.7	209.5

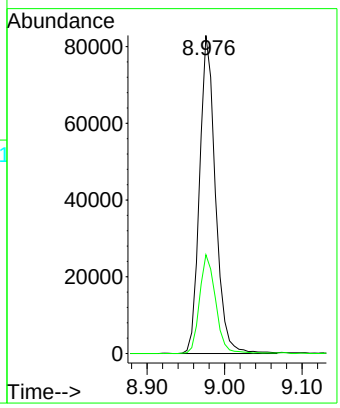




#53
t-1,3-Dichloropropene
Concen: 50.850 ug/l
RT: 8.976 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 75 Resp: 117834

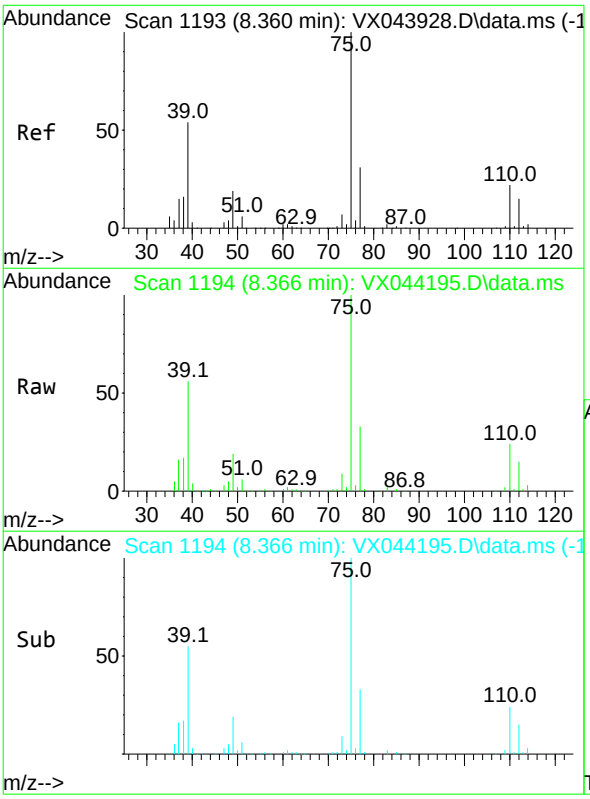
Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

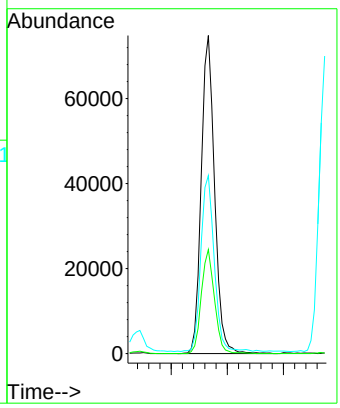
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

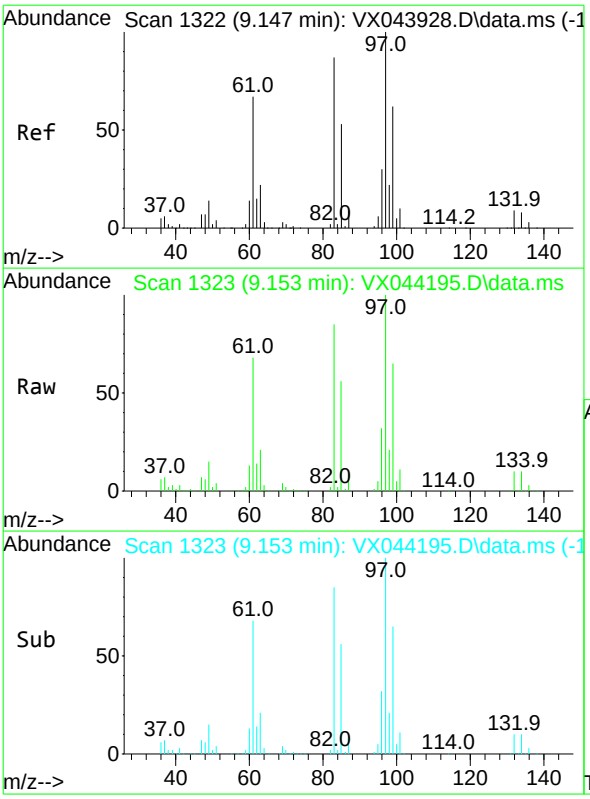


#54
cis-1,3-Dichloropropene
Concen: 48.710 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 75 Resp: 123739

Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.2	37.8
39	55.2	43.1	64.7

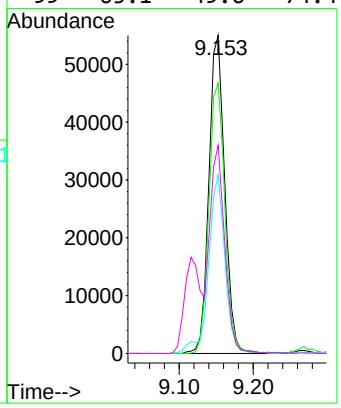




#55
1,1,2-Trichloroethane
Concen: 50.724 ug/l
RT: 9.153 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 97 Resp: 81959

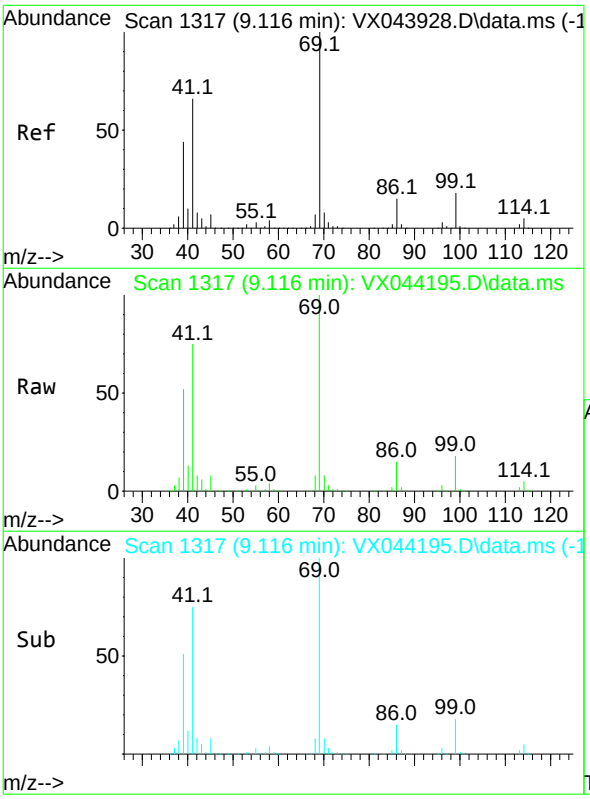
Ion	Ratio	Lower	Upper
97	100		
83	85.0	69.4	104.0
85	56.0	42.3	63.5
99	65.1	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

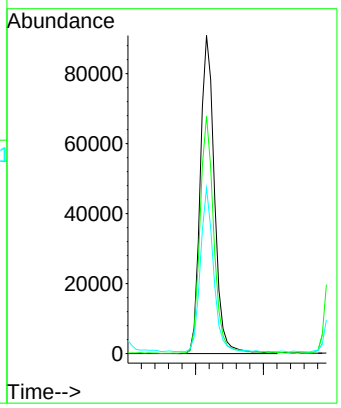
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

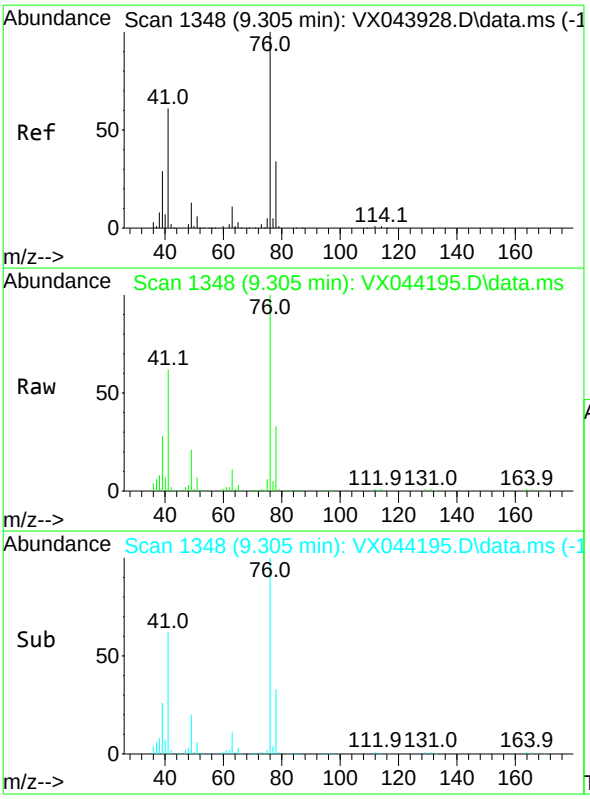


#56
Ethyl methacrylate
Concen: 52.529 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 69 Resp: 132200

Ion	Ratio	Lower	Upper
69	100		
41	72.7	55.8	83.8
39	47.8	36.7	55.1





#57
1,3-Dichloropropane
Concen: 50.900 ug/l
RT: 9.305 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

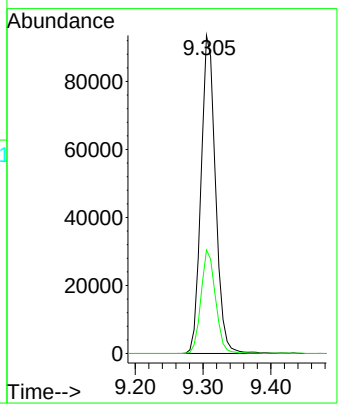
Tgt Ion: 76 Resp: 138542

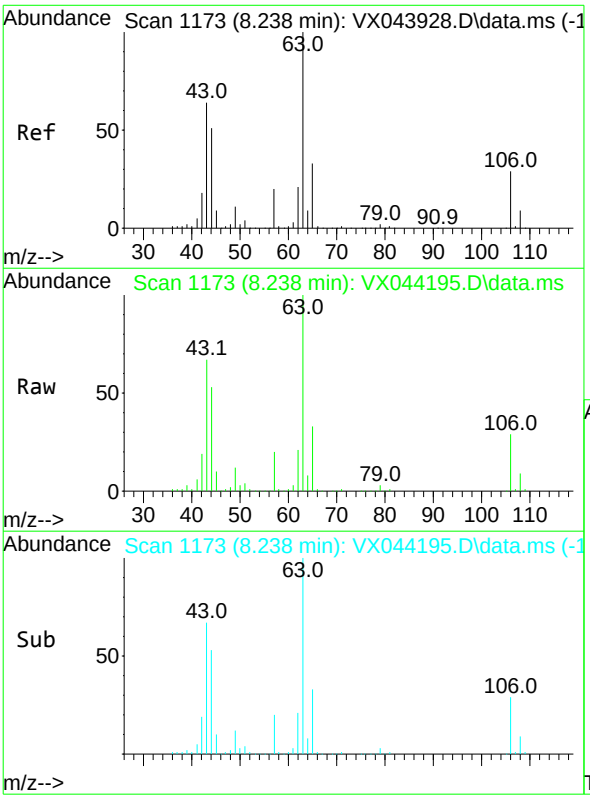
Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.0	39.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

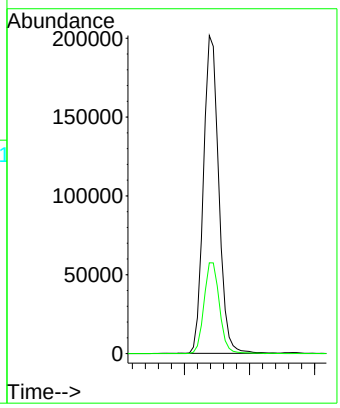


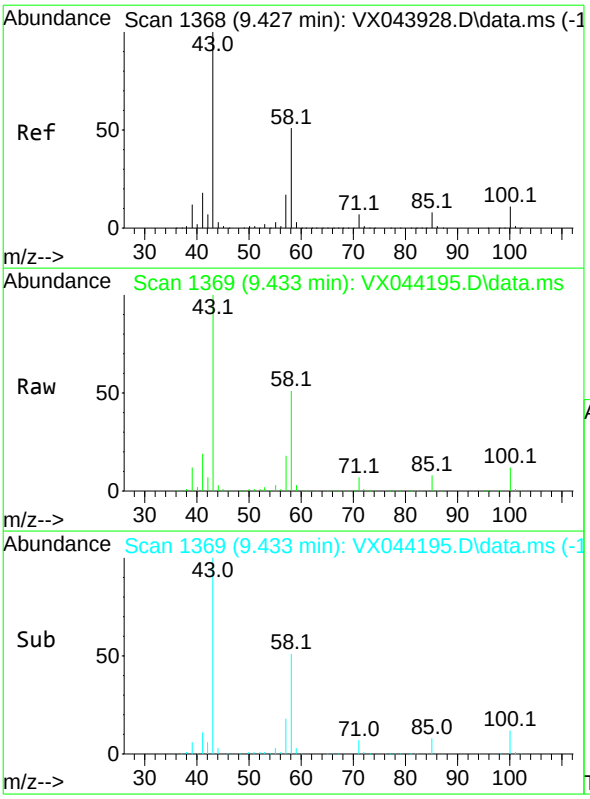


#58
2-Chloroethyl Vinyl ether
Concen: 238.340 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 63 Resp: 328935

Ion	Ratio	Lower	Upper
63	100		
106	28.9	23.0	34.6





#59
2-Hexanone
Concen: 270.331 ug/l
RT: 9.433 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

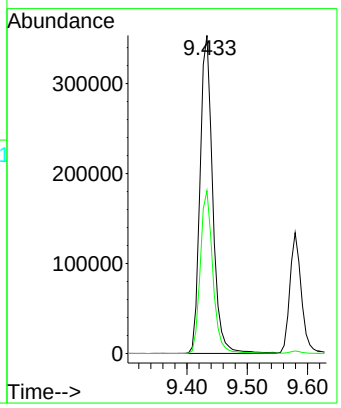
Tgt Ion: 43 Resp: 514271

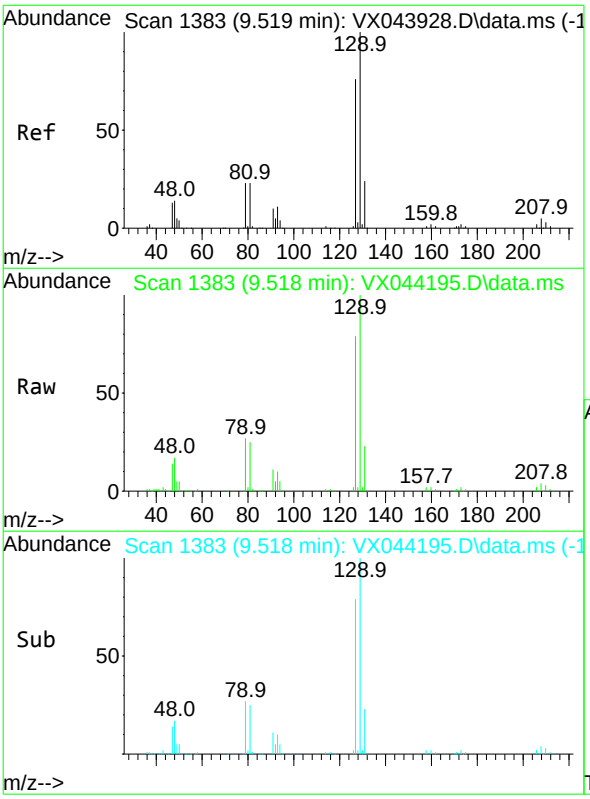
Ion	Ratio	Lower	Upper
43	100		
58	50.7	25.9	77.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

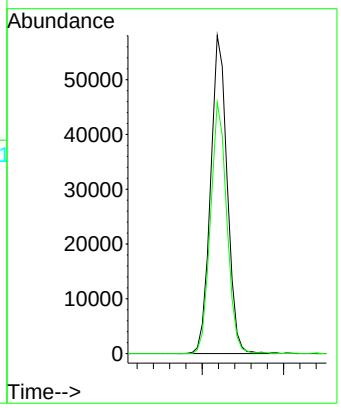


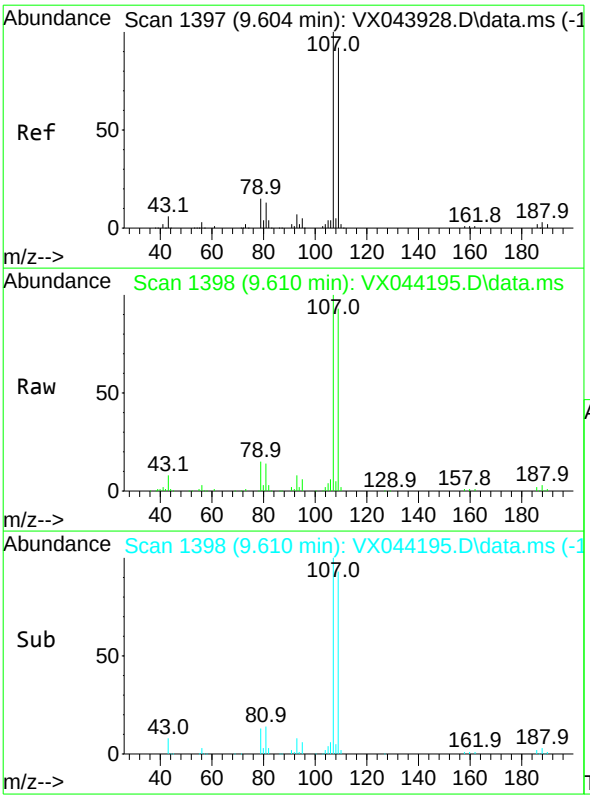


#60
Dibromochloromethane
Concen: 50.698 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion:129 Resp: 82189

Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.2	114.6

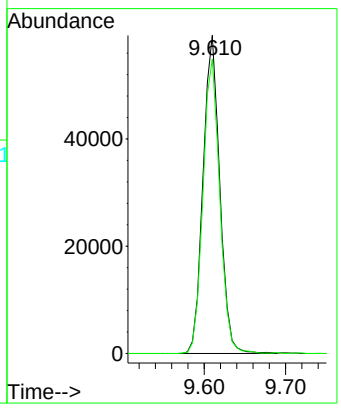




#61
1,2-Dibromoethane
Concen: 51.728 ug/l
RT: 9.610 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion:107 Resp: 84512

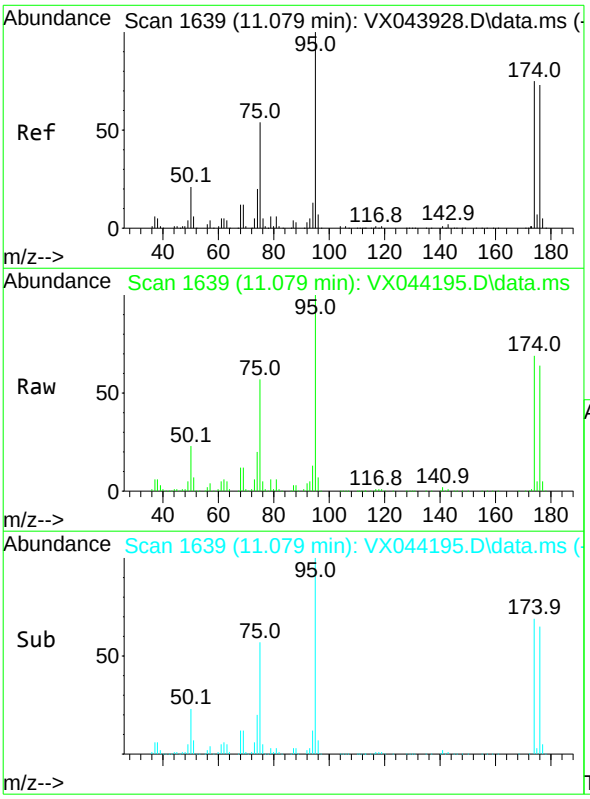
Ion	Ratio	Lower	Upper
107	100		
109	92.9	75.2	112.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

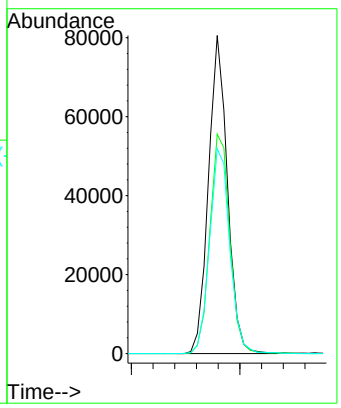
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

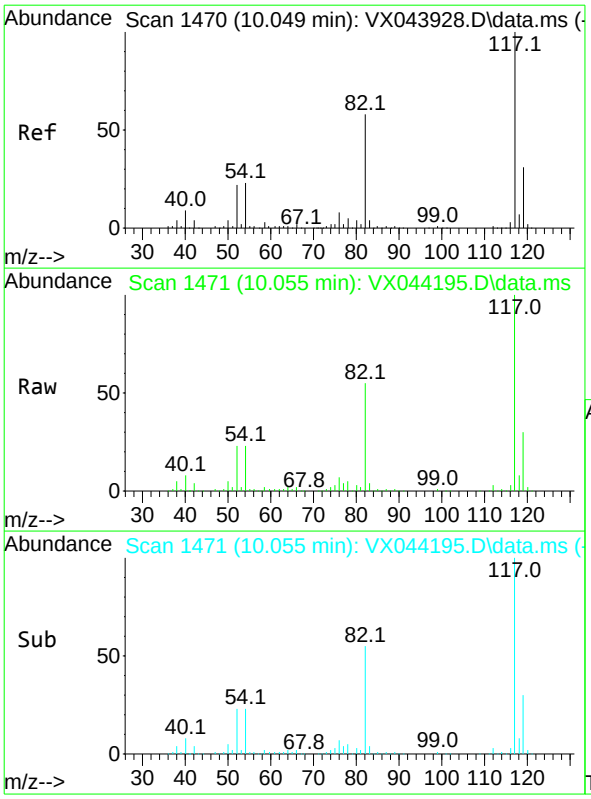


#62
4-Bromofluorobenzene
Concen: 49.426 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 95 Resp: 97692

Ion	Ratio	Lower	Upper
95	100		
174	72.6	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: VX044195.D
Acq: 09 Dec 2024 18:00

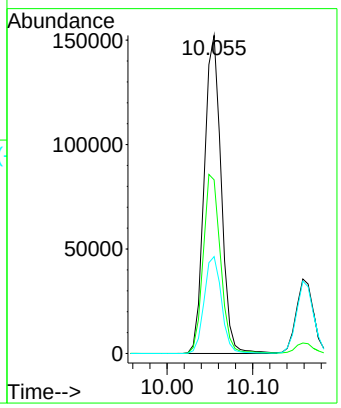
Tgt Ion:117 Resp: 208853

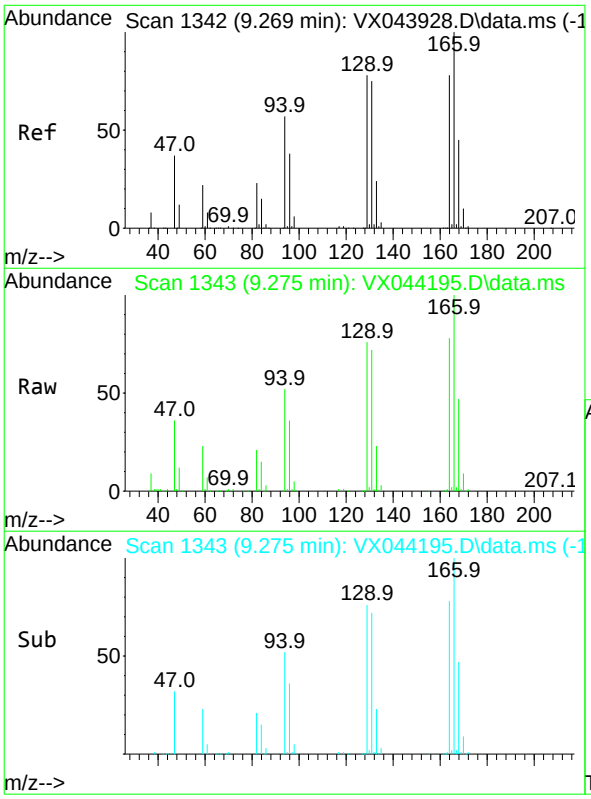
Ion	Ratio	Lower	Upper
117	100		
82	54.6	46.4	69.6
119	30.5	24.6	37.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

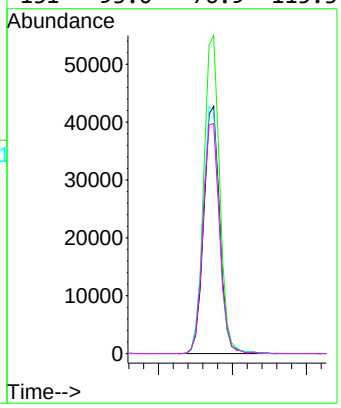


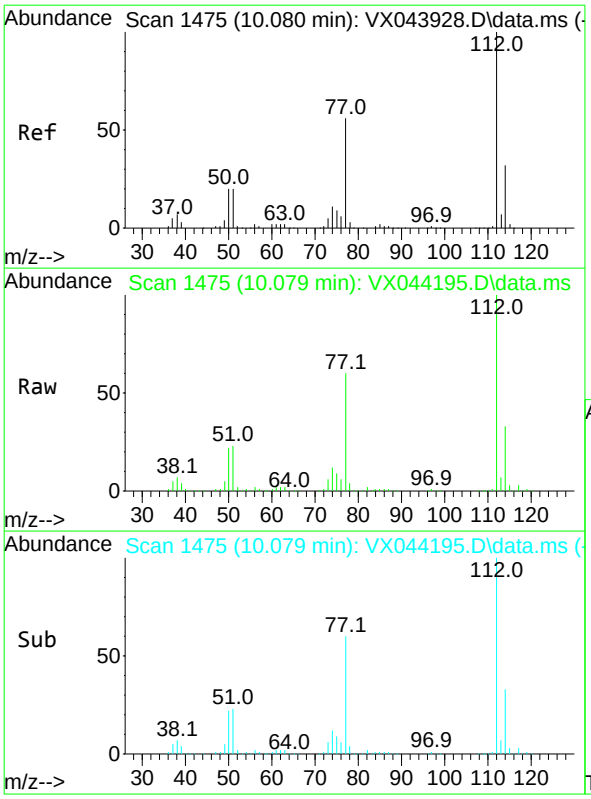


#64
Tetrachloroethene
Concen: 46.478 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion:164 Resp: 64007

Ion	Ratio	Lower	Upper
164	100		
166	128.6	102.1	153.1
129	98.2	79.6	119.4
131	93.0	76.9	115.3





#65
Chlorobenzene
Concen: 47.426 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

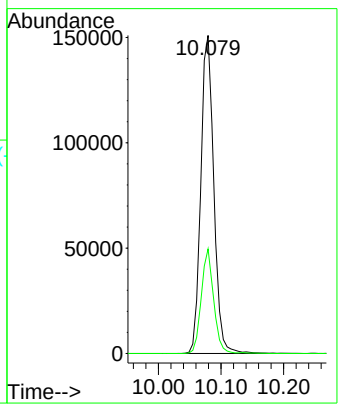
Tgt Ion:112 Resp: 217542

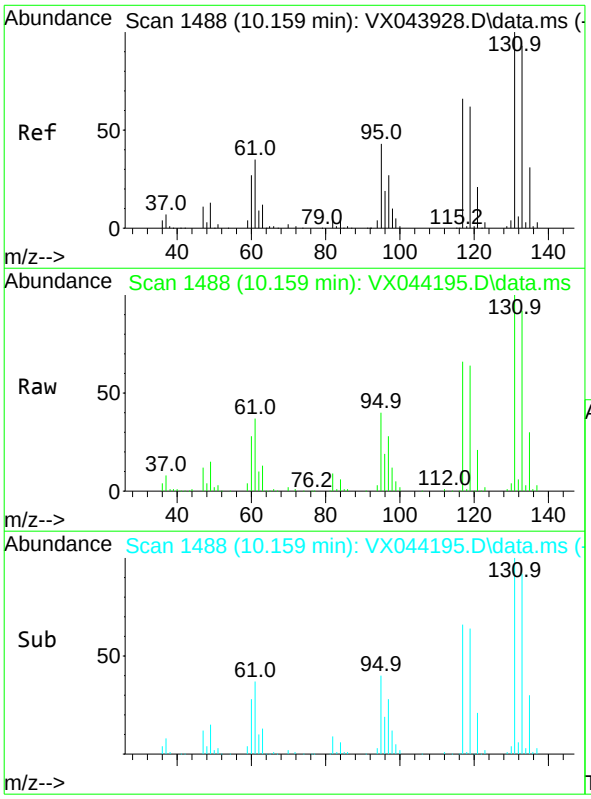
Ion	Ratio	Lower	Upper
112	100		
114	32.9	25.4	38.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

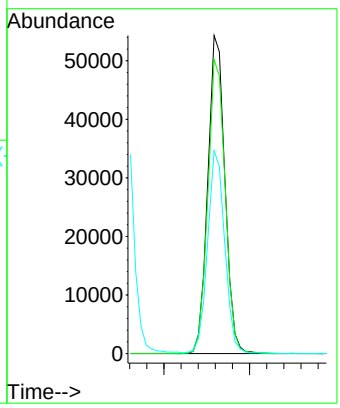


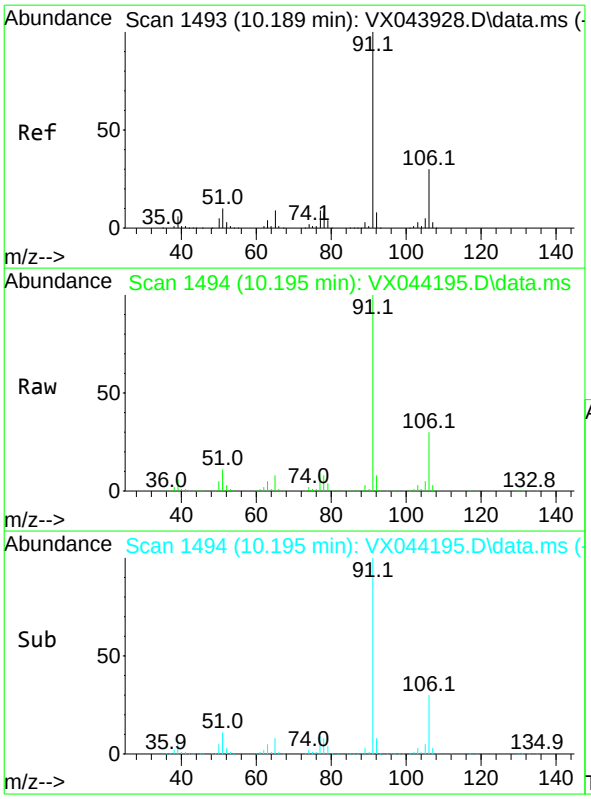


#66
1,1,1,2-Tetrachloroethane
Concen: 50.596 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion:131 Resp: 75268

Ion	Ratio	Lower	Upper
131	100		
133	93.8	48.2	144.6
119	64.1	31.5	94.5





#67
Ethyl Benzene
Concen: 49.105 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

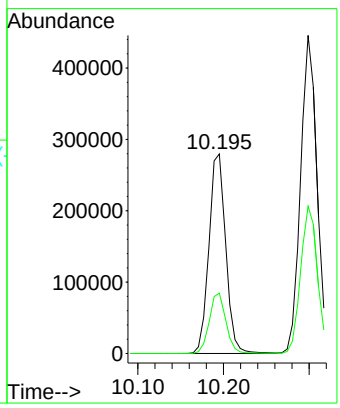
Tgt Ion: 91 Resp: 381676

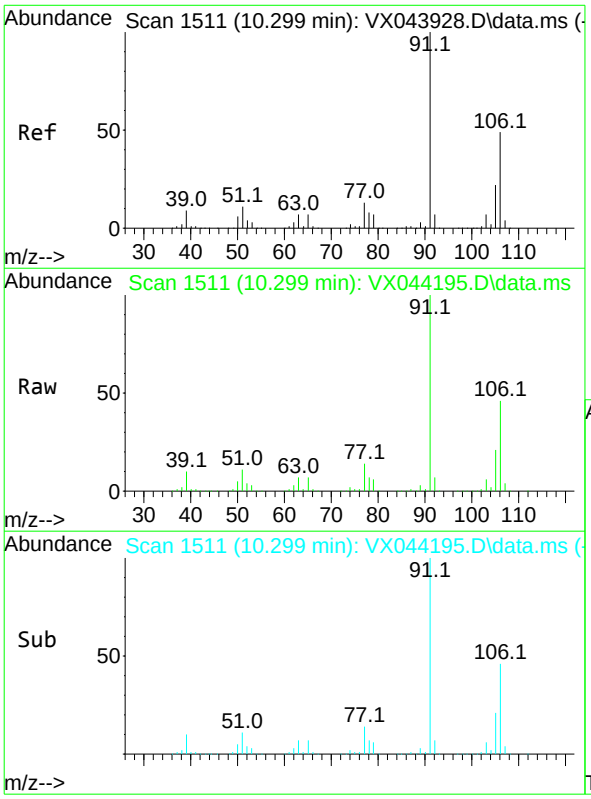
Ion	Ratio	Lower	Upper
91	100		
106	30.2	23.6	35.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

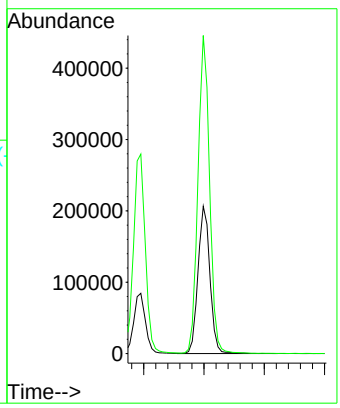


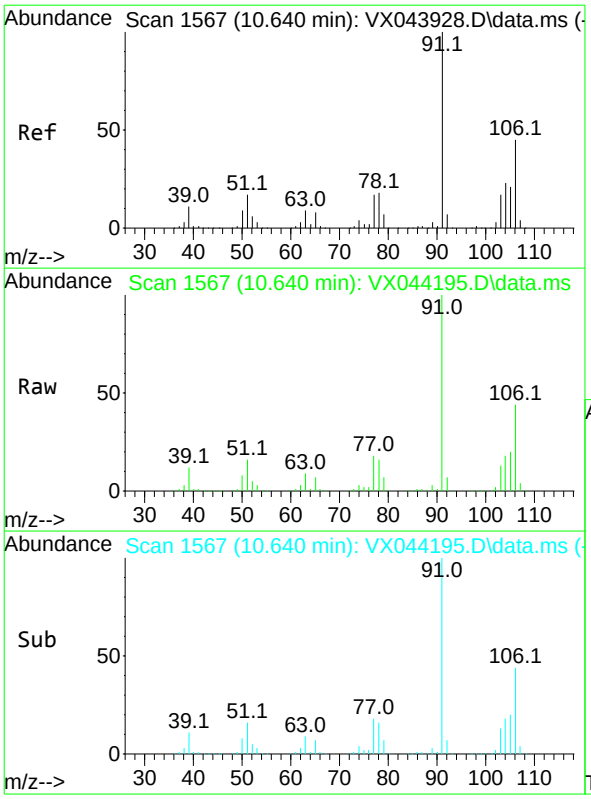


#68
m/p-Xylenes
Concen: 97.773 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion:106 Resp: 283405

Ion	Ratio	Lower	Upper
106	100		
91	210.2	168.1	252.1





#69
o-Xylene
Concen: 50.284 ug/l
RT: 10.640 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

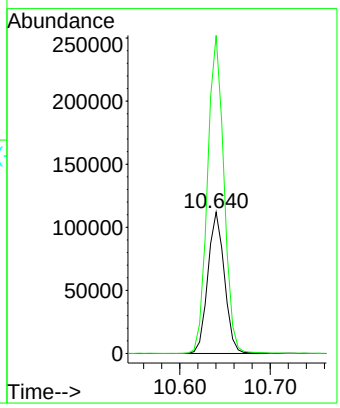
Tgt Ion:106 Resp: 142308

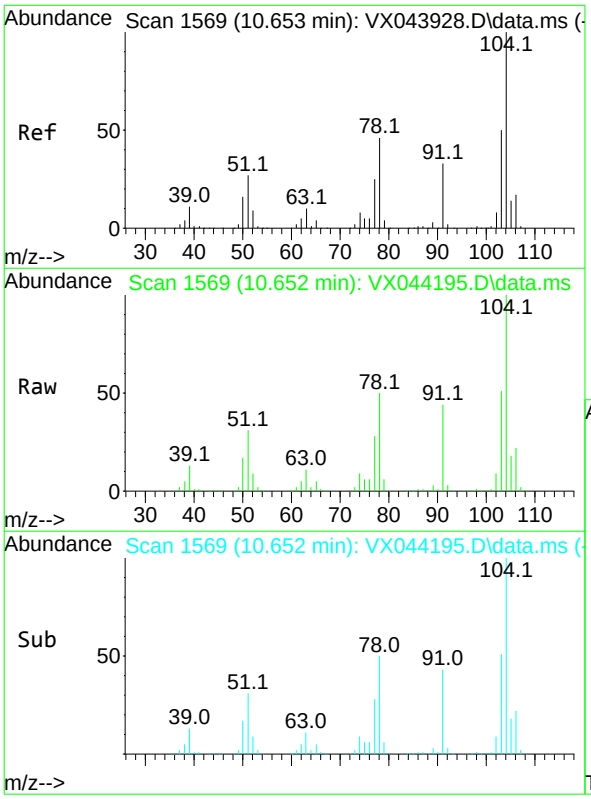
Ion	Ratio	Lower	Upper
106	100		
91	223.1	110.2	330.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

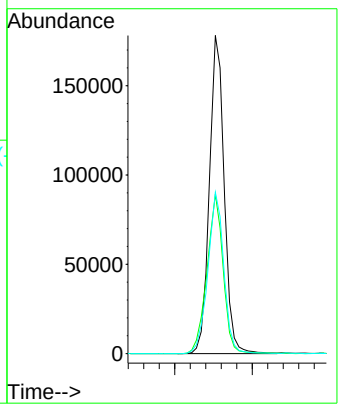


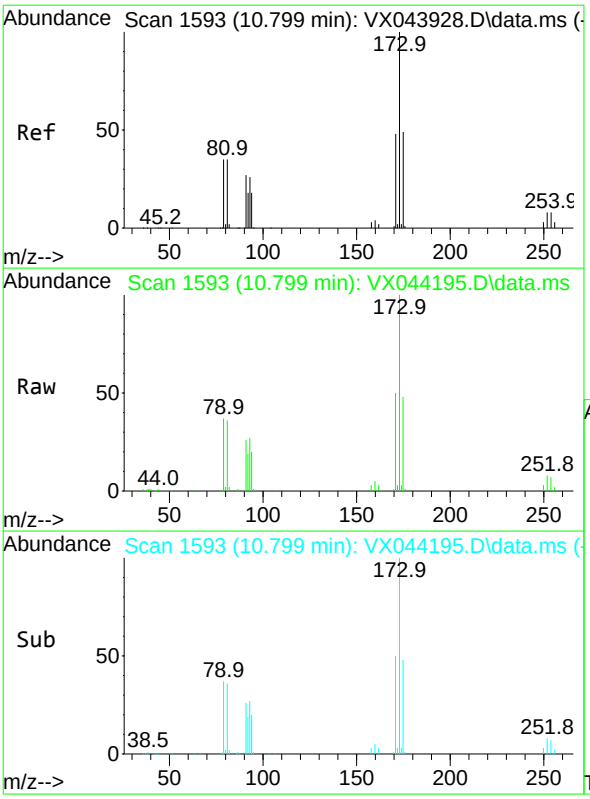


#70
Styrene
Concen: 50.577 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion:104 Resp: 236741

Ion	Ratio	Lower	Upper
104	100		
78	54.7	42.2	63.2
103	54.7	44.7	67.1





#71
Bromoform
Concen: 44.729 ug/l
RT: 10.799 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

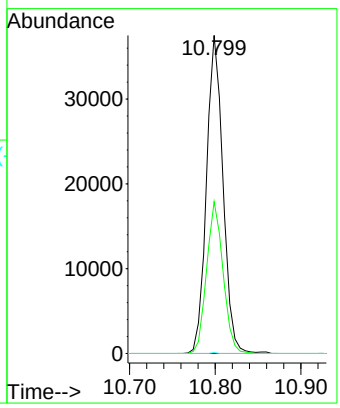
Tgt Ion:173 Resp: 50122

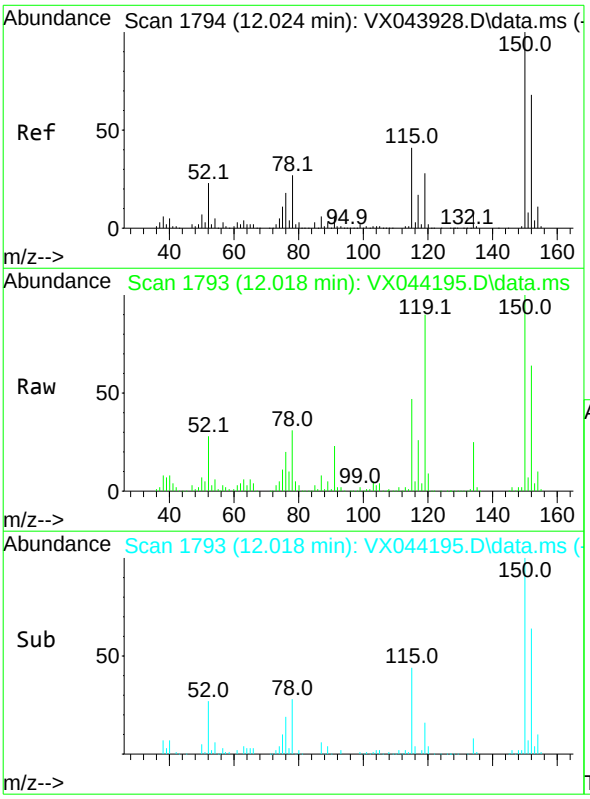
Ion	Ratio	Lower	Upper
173	100		
175	47.5	24.1	72.2
254	0.1	0.0	0.0#

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

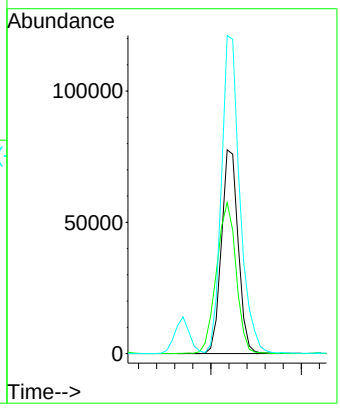


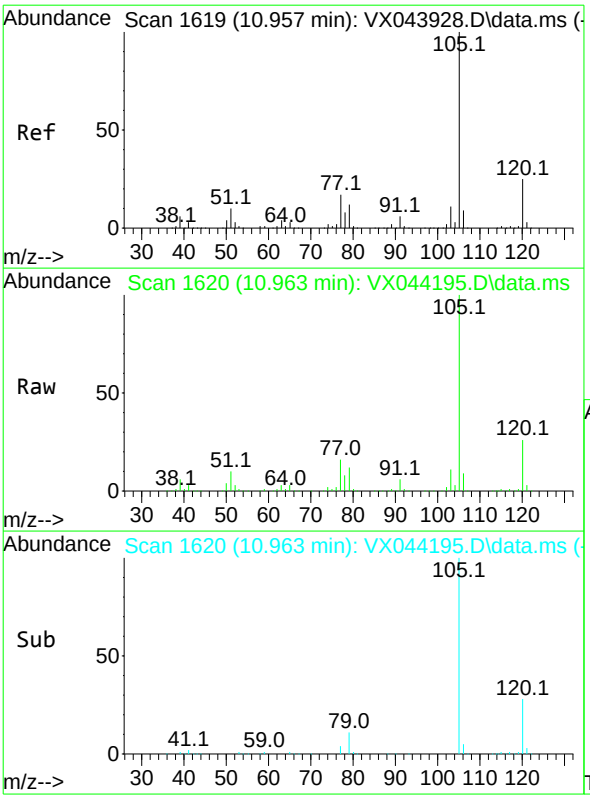


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion:152 Resp: 99726

Ion	Ratio	Lower	Upper
152	100		
115	86.9	45.4	136.2
150	171.8	0.0	353.0

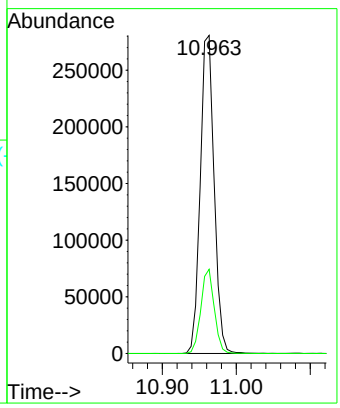




#73
Isopropylbenzene
Concen: 47.738 ug/l
RT: 10.963 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion:105 Resp: 365951

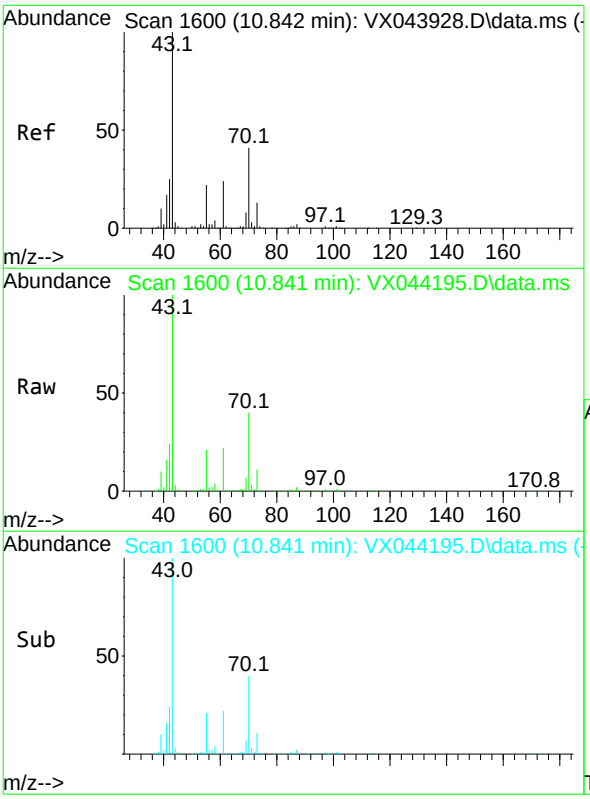
Ion	Ratio	Lower	Upper
105	100		
120	25.6	13.0	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

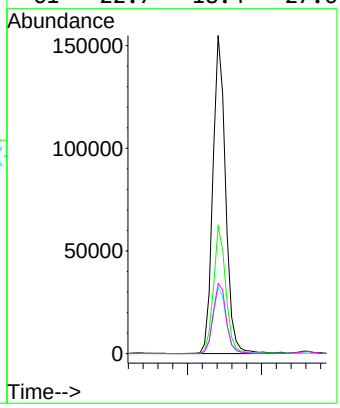
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

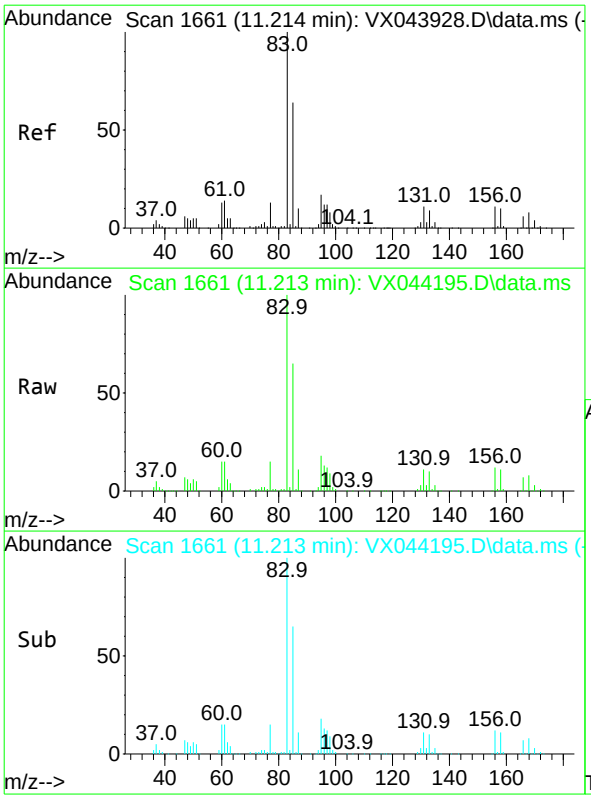


#74
N-amyl acetate
Concen: 52.058 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 43 Resp: 184869

Ion	Ratio	Lower	Upper
43	100		
70	38.8	32.2	48.2
55	21.8	18.1	27.1
61	22.7	18.4	27.6

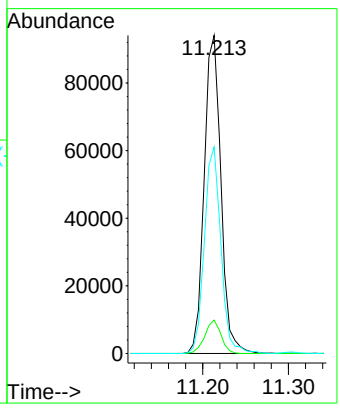




#75
1,1,2,2-Tetrachloroethane
Concen: 48.557 ug/l
RT: 11.213 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 83 Resp: 127456

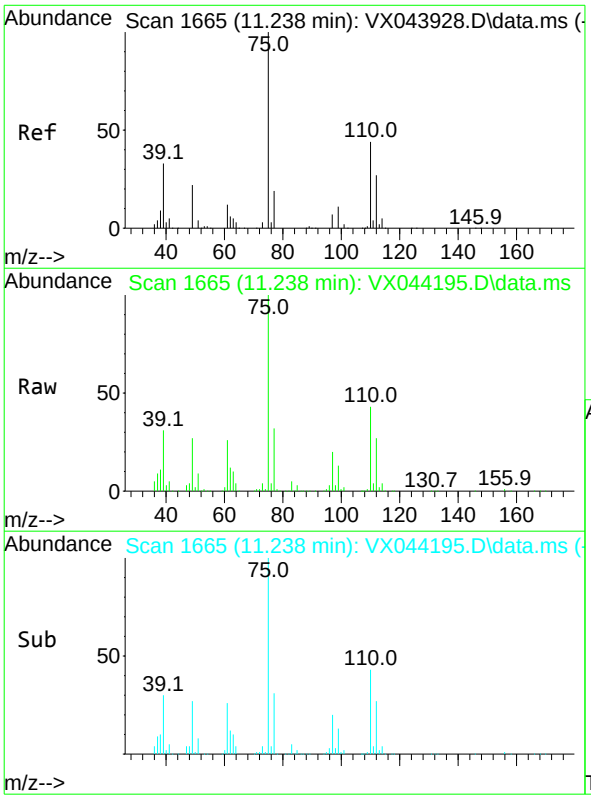
Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.1	15.2
85	64.3	32.2	96.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

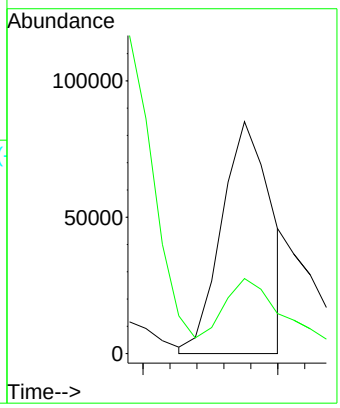
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

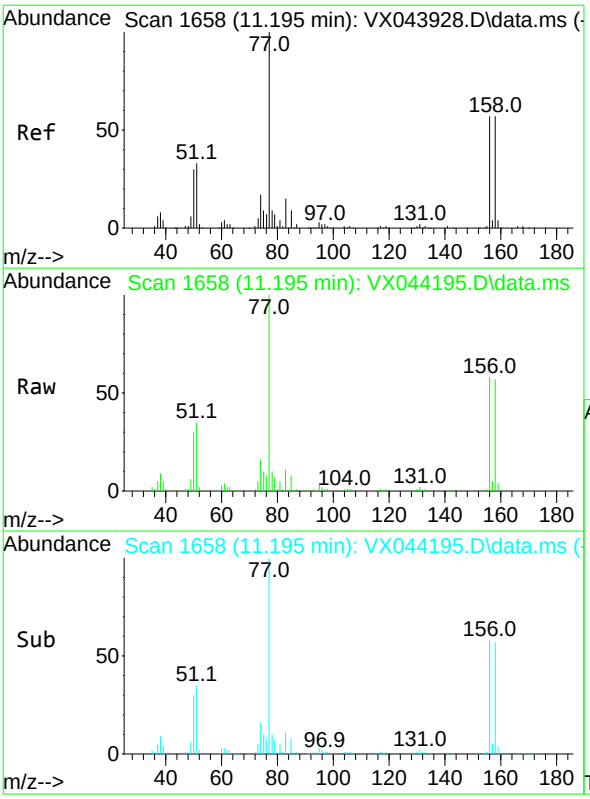


#76
1,2,3-Trichloropropane
Concen: 49.455 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 75 Resp: 108157

Ion	Ratio	Lower	Upper
75	100		
77	42.3	21.8	65.3





#77
Bromobenzene
Concen: 47.832 ug/l
RT: 11.195 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

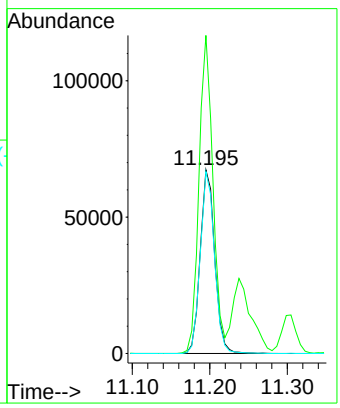
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

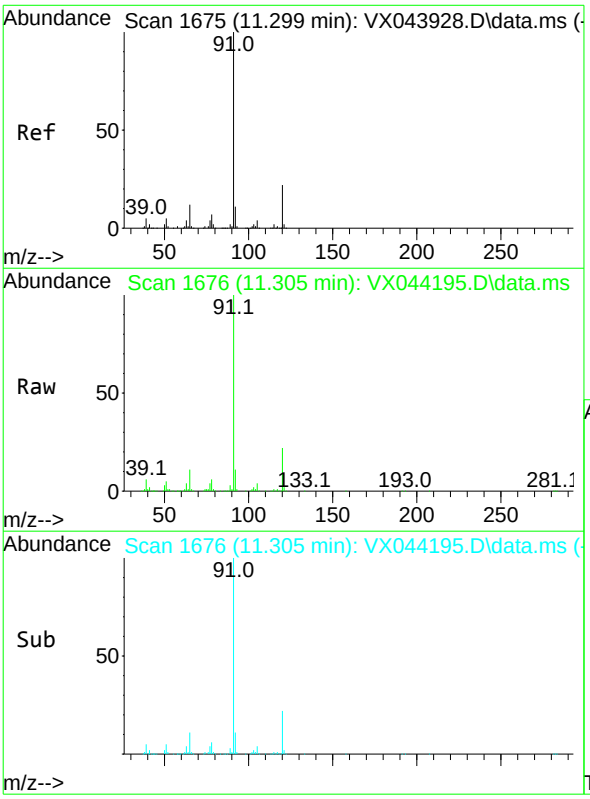
Tgt Ion:156 Resp: 87469

Ion	Ratio	Lower	Upper
156	100		
77	166.6	83.4	250.1
158	97.2	47.6	142.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

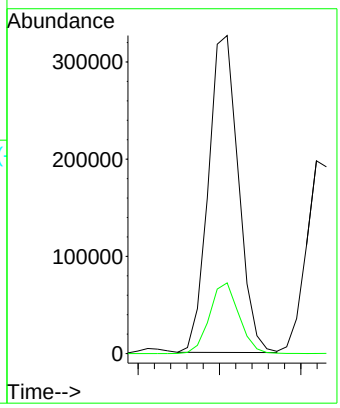


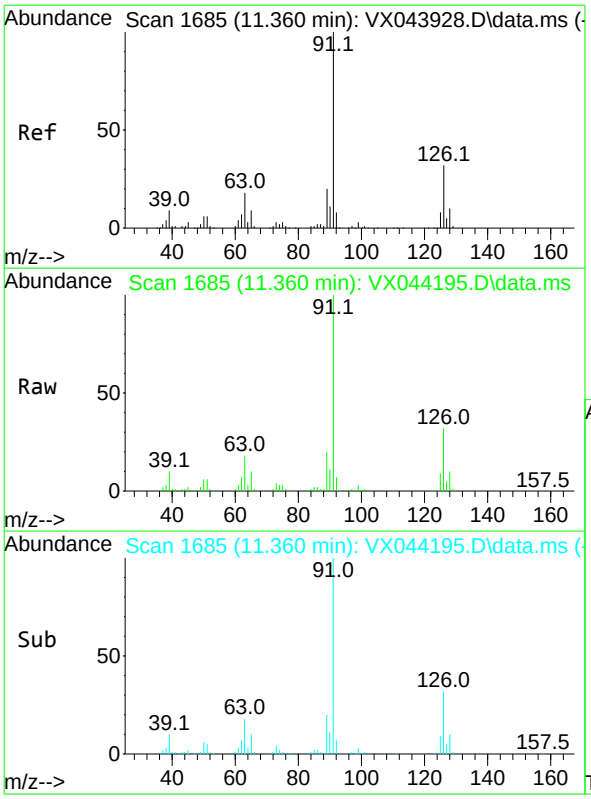


#78
n-propylbenzene
Concen: 48.877 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 91 Resp: 418467

Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.5	34.4





#79
2-Chlorotoluene
Concen: 47.354 ug/l
RT: 11.360 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

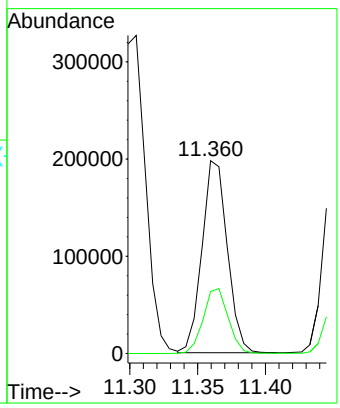
Tgt Ion: 91 Resp: 256367

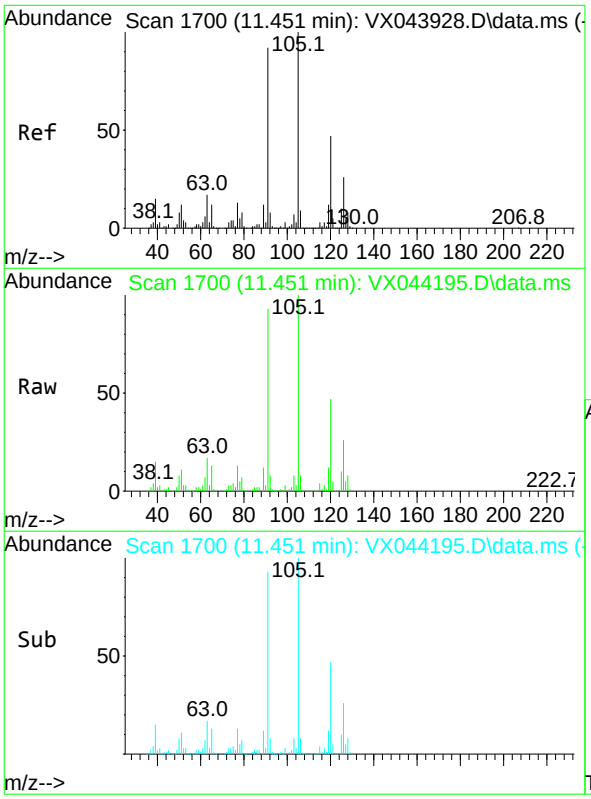
Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.6	49.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

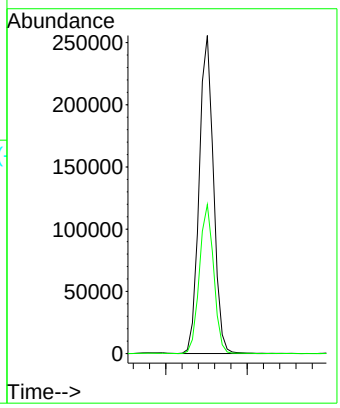


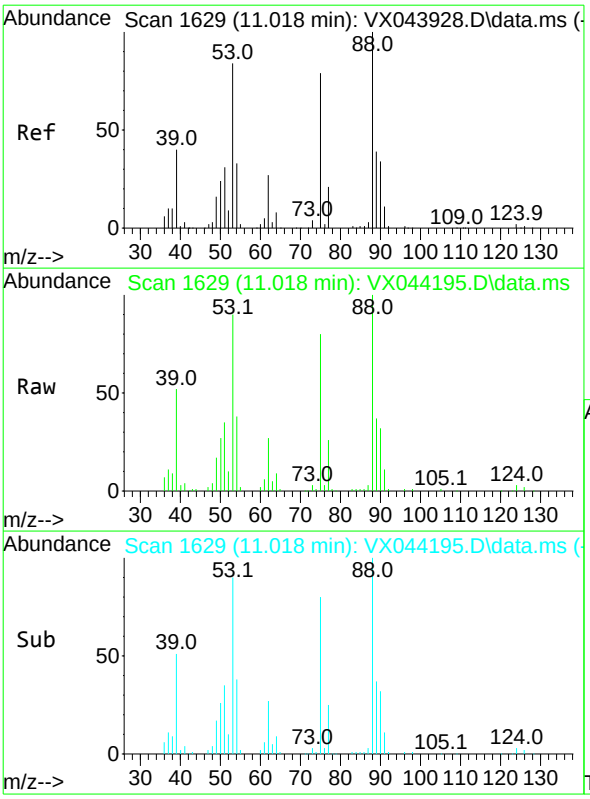


#80
1,3,5-Trimethylbenzene
Concen: 49.438 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion:105 Resp: 311795

Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.3	69.8





#81
trans-1,4-Dichloro-2-butene
Concen: 45.064 ug/l
RT: 11.018 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

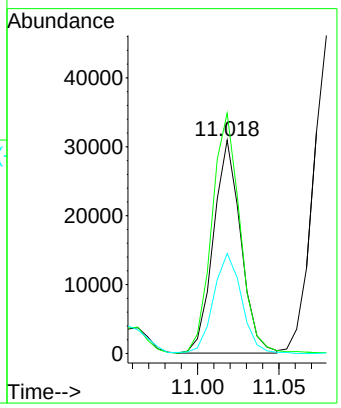
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

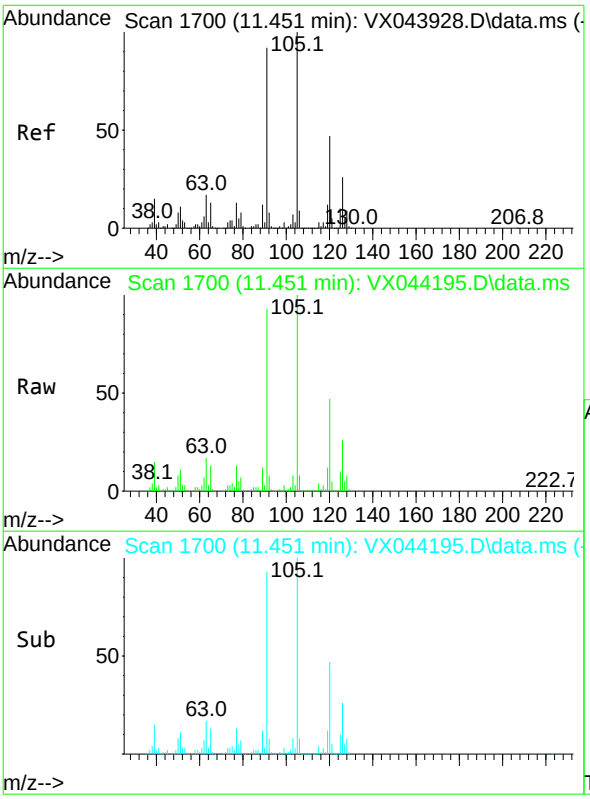
Tgt Ion: 75 Resp: 36117

Ion	Ratio	Lower	Upper
75	100		
53	116.4	86.7	130.1
89	48.4	38.2	57.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

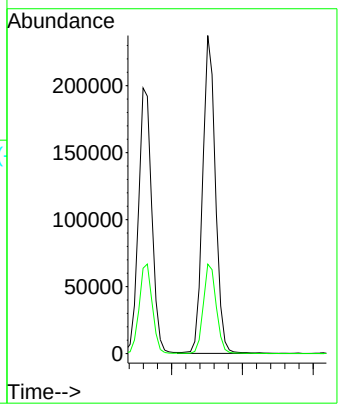


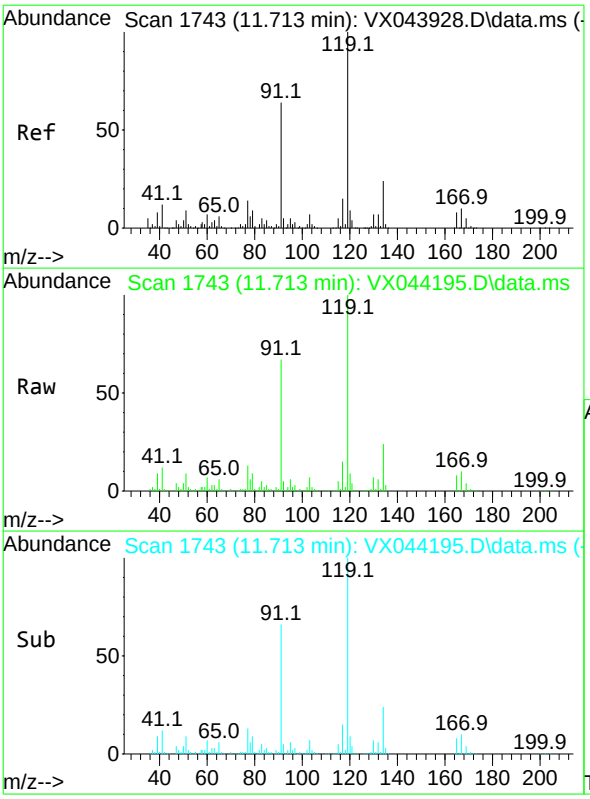


#82
4-Chlorotoluene
Concen: 48.528 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 91 Resp: 296611

Ion	Ratio	Lower	Upper
91	100		
126	28.7	14.3	42.9

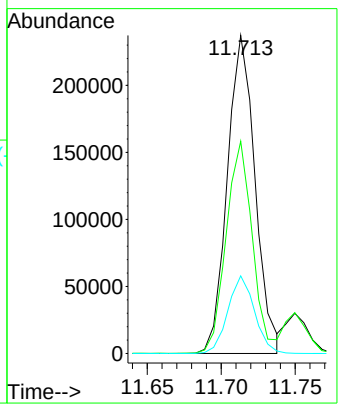




#83
tert-Butylbenzene
Concen: 49.553 ug/l
RT: 11.713 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion:119 Resp: 309761

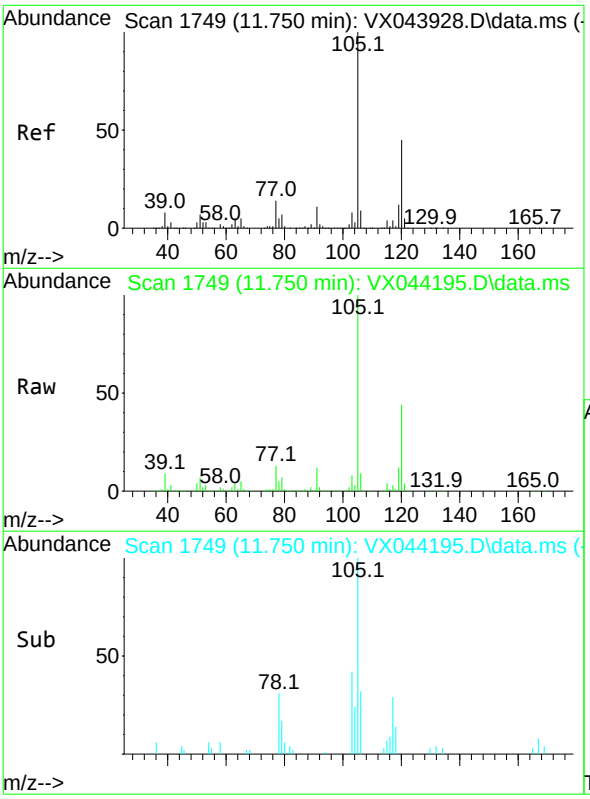
Ion	Ratio	Lower	Upper
119	100		
91	63.3	31.0	93.0
134	23.4	11.6	34.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

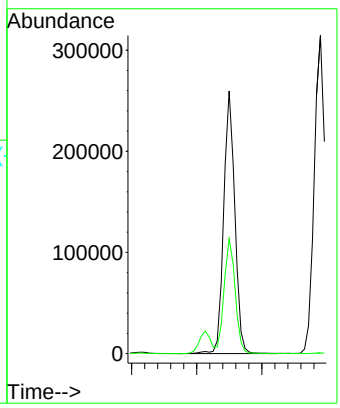
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

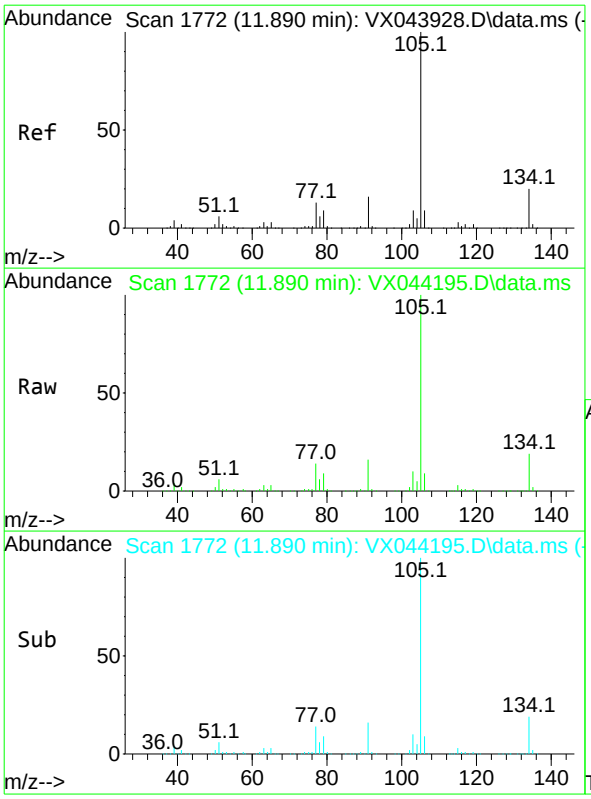


#84
1,2,4-Trimethylbenzene
Concen: 49.093 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion:105 Resp: 308254

Ion	Ratio	Lower	Upper
105	100		
120	43.9	21.9	65.7





#85
sec-Butylbenzene
Concen: 49.420 ug/l
RT: 11.890 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

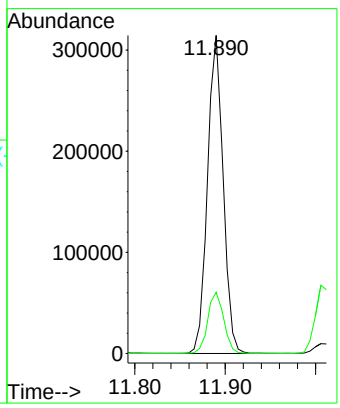
Tgt Ion:105 Resp: 378505

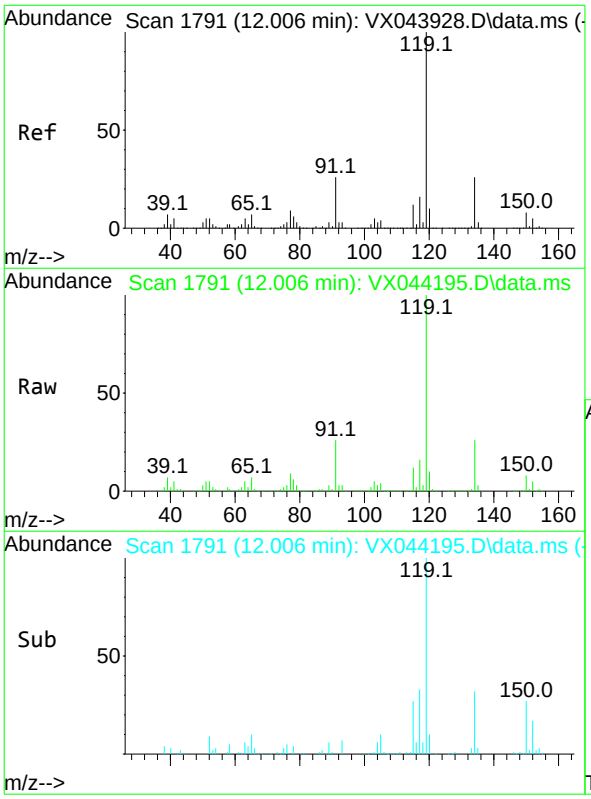
Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.7	29.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

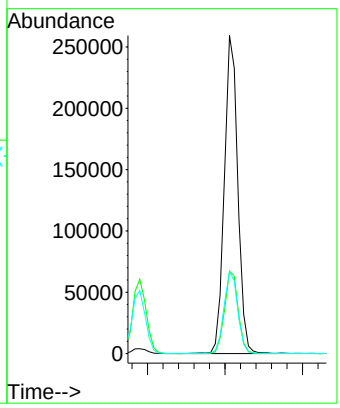


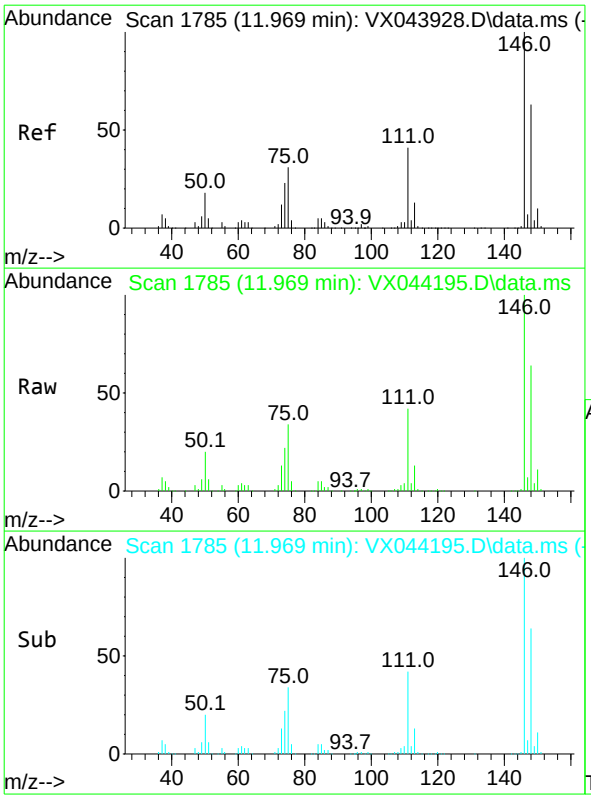


#86
p-Isopropyltoluene
Concen: 50.244 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion:119 Resp: 312583

Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.0	38.9
91	26.2	13.0	38.9





#87
1,3-Dichlorobenzene
Concen: 47.440 ug/l
RT: 11.969 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

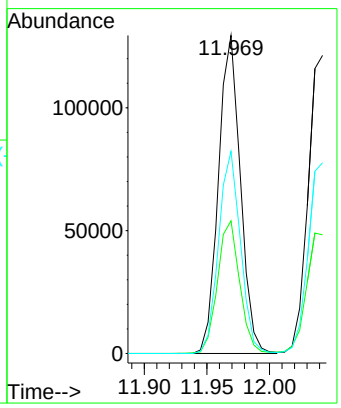
Tgt Ion:146 Resp: 158004

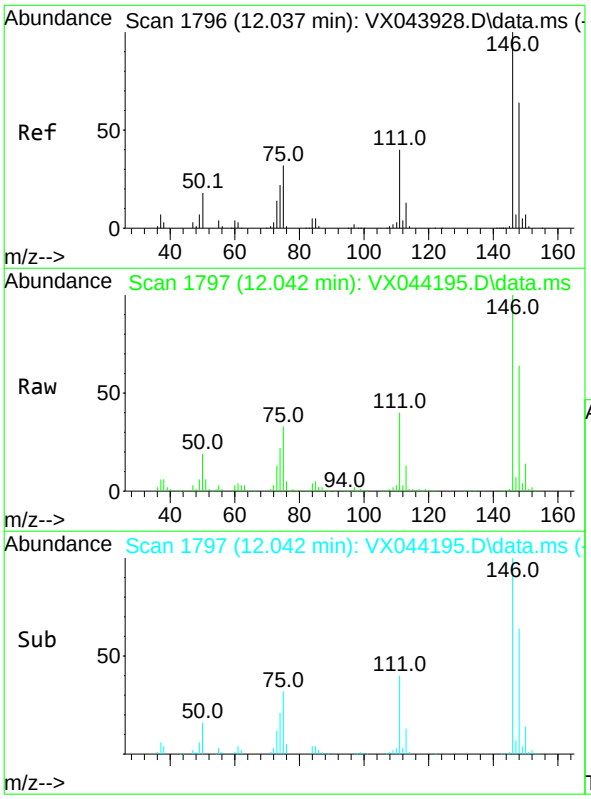
Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.1	63.3
148	63.3	31.7	95.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

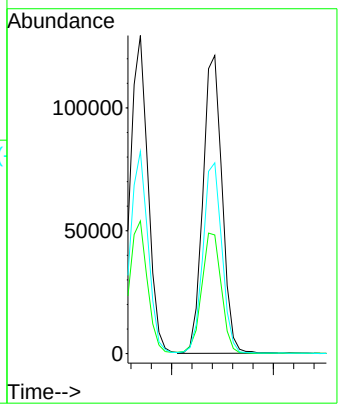


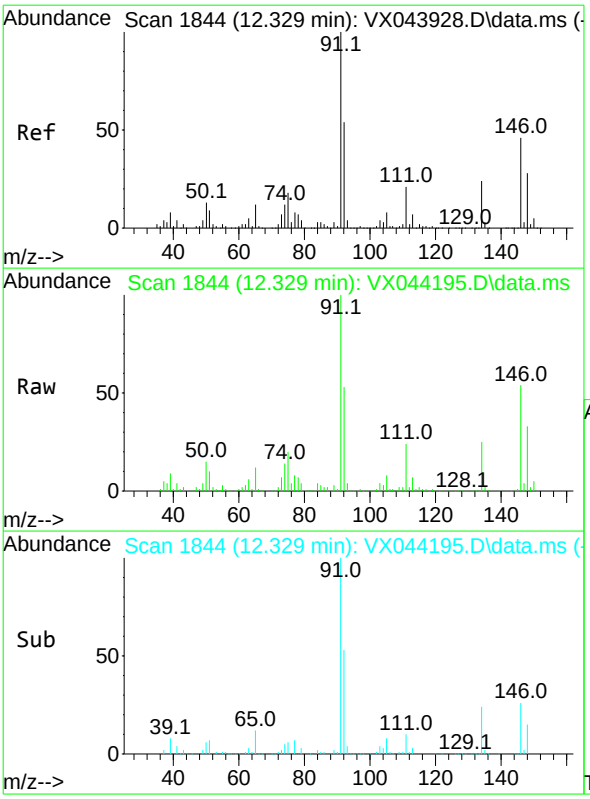


#88
1,4-Dichlorobenzene
Concen: 46.709 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion:146 Resp: 158608

Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.1	60.3
148	63.2	30.9	92.8





#89
n-Butylbenzene
Concen: 49.338 ug/l
RT: 12.329 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

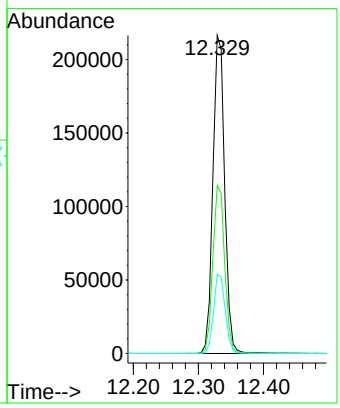
Tgt Ion: 91 Resp: 270623

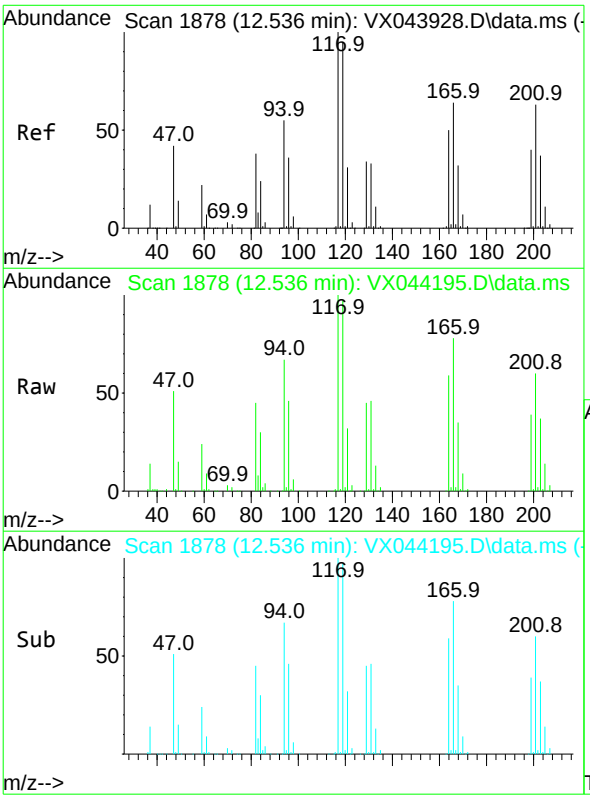
Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.6	79.8
134	24.8	12.4	37.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

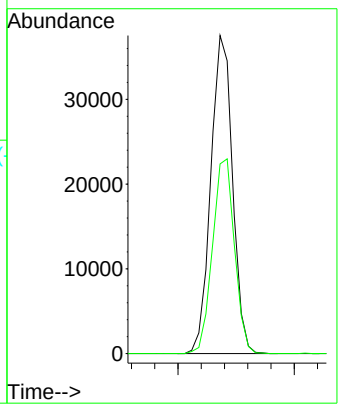


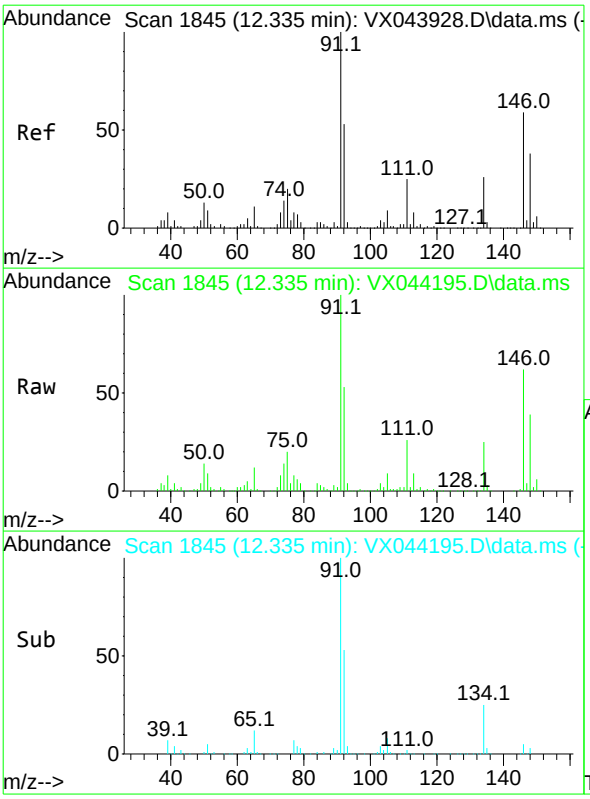


#90
Hexachloroethane
Concen: 46.047 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion:117 Resp: 48712

Ion	Ratio	Lower	Upper
117	100		
201	62.0	32.4	97.0





#91
1,2-Dichlorobenzene
Concen: 47.962 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

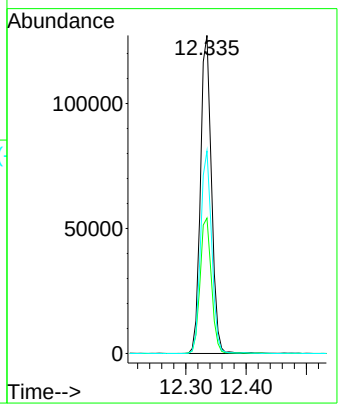
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

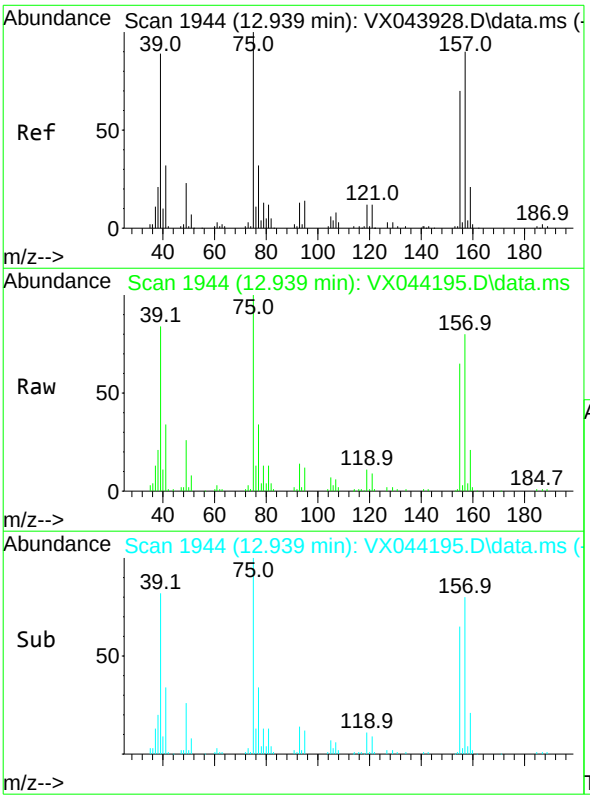
Tgt Ion:146 Resp: 161209

Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.5	64.5
148	63.9	31.9	95.5

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

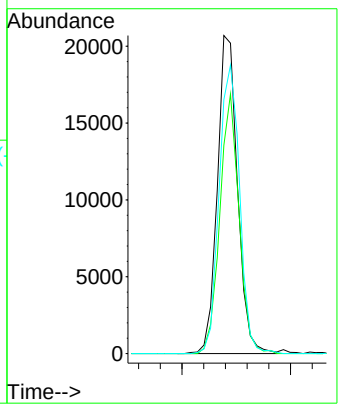


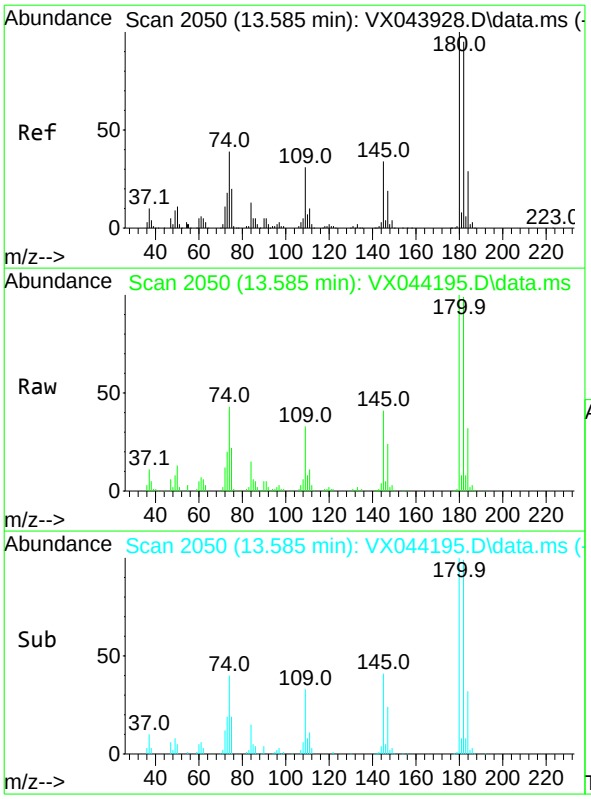


#92
1,2-Dibromo-3-Chloropropane
Concen: 50.727 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 75 Resp: 26680

Ion	Ratio	Lower	Upper
75	100		
155	77.5	40.1	120.2
157	92.3	49.6	149.0

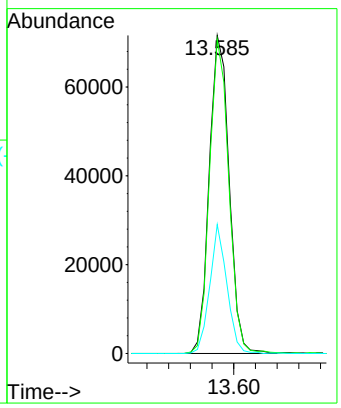




#93
1,2,4-Trichlorobenzene
Concen: 45.975 ug/l
RT: 13.585 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion:180 Resp: 91104

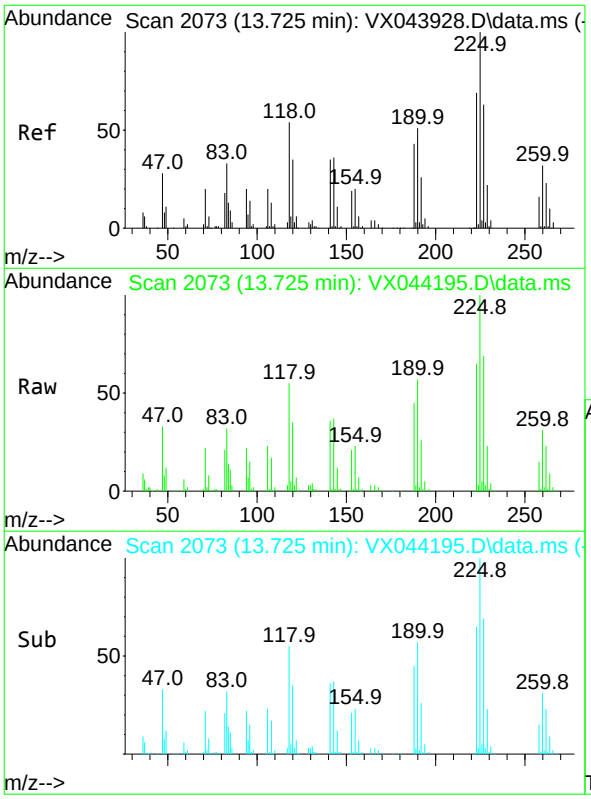
Ion	Ratio	Lower	Upper
180	100		
182	96.0	48.0	144.2
145	35.0	16.8	50.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

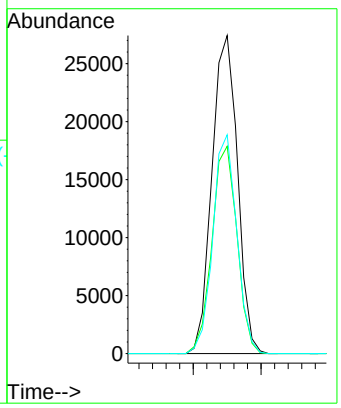
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

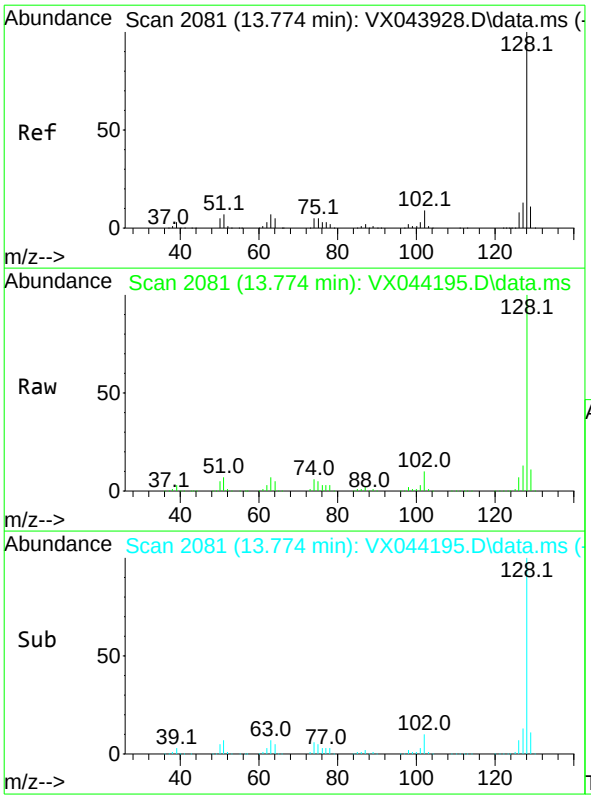


#94
Hexachlorobutadiene
Concen: 45.818 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion:225 Resp: 35883

Ion	Ratio	Lower	Upper
225	100		
223	63.9	32.9	98.6
227	64.6	31.6	94.8

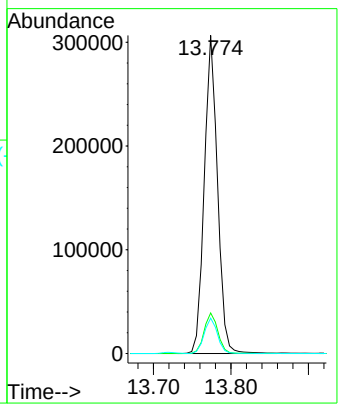




#95
Naphthalene
Concen: 50.915 ug/l
RT: 13.774 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion:128 Resp: 363187

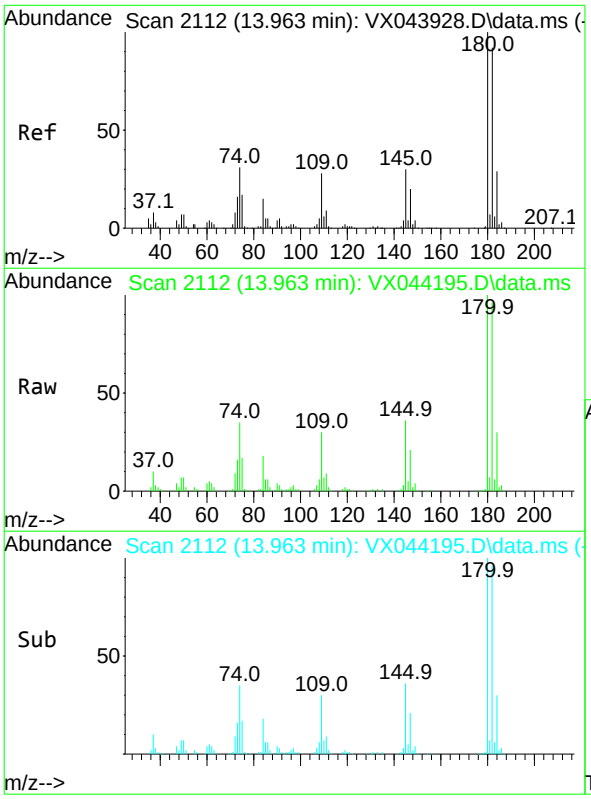
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.2
129	11.2	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

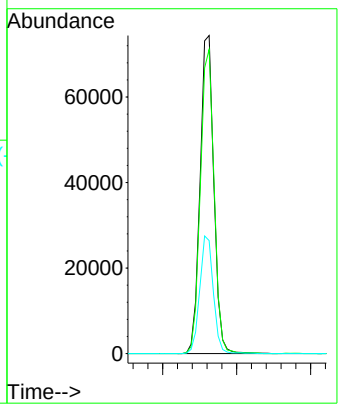
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#96
1,2,3-Trichlorobenzene
Concen: 47.928 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion:180 Resp: 96130

Ion	Ratio	Lower	Upper
180	100		
182	95.3	45.6	136.8
145	36.5	16.4	49.4



Evaluate Continuing Calibration Report

Sample Results: **VX044195.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044195.D
Acq On : 09 Dec 2024 18:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Dec 10 01:47:37 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	0.01
2	T	Dichlorodifluoromethane	0.633	0.478	24.5	66	0.00
3	P	Chloromethane	0.667	0.536	19.6	73	0.00
4	C	Vinyl Chloride	0.709	0.592	16.5#	74	0.00
5	T	Bromomethane	0.436	0.423	3.0	90	0.00
6	T	Chloroethane	0.432	0.400	7.4	83	0.00
7	T	Trichlorofluoromethane	1.268	1.210	4.6	84	0.00
8	T	Diethyl Ether	0.462	0.445	3.7	89	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.605	0.529	12.6	76	0.00
10	T	Methyl Iodide	0.755	0.723	4.2	85	0.00
11	T	Tert butyl alcohol	0.138	0.124	10.1	81	0.00
12	CM	1,1-Dichloroethene	0.576	0.505	12.3#	80	0.00
13	T	Acrolein	0.145	0.149	-2.8	97	0.00
14	T	Allyl chloride	0.941	0.886	5.8	80	0.00
15	T	Acrylonitrile	0.335	0.337	-0.6	86	0.00
16	T	Acetone	0.394	0.326	17.3	73	0.01
17	T	Carbon Disulfide	1.188	0.859	27.7#	63	0.00
18	T	Methyl Acetate	0.917	0.911	0.7	87	0.00
19	T	Methyl tert-butyl Ether	2.092	2.131	-1.9	89	0.00
20	T	Methylene Chloride	0.668	0.607	9.1	86	0.00
21	T	trans-1,2-Dichloroethene	0.595	0.548	7.9	82	0.00
22	T	Diisopropyl ether	2.013	1.991	1.1	87	0.00
23	T	Vinyl Acetate	1.722	1.725	-0.2	84	0.00
24	P	1,1-Dichloroethane	1.161	1.137	2.1	86	0.00
25	T	2-Butanone	0.508	0.505	0.6	84	0.01
26	T	2,2-Dichloropropane	1.049	0.904	13.8	75	0.00
27	T	cis-1,2-Dichloroethene	0.735	0.696	5.3	83	0.00
28	T	Bromochloromethane	0.511	0.452	11.5	95	0.01
29	T	Tetrahydrofuran	0.312	0.324	-3.8	91	0.01
30	C	Chloroform	1.249	1.249	0.0	90	0.01
31	T	Cyclohexane	0.956	0.846	11.5	77	0.00
32	T	1,1,1-Trichloroethane	1.077	1.070	0.6	86	0.00
33	S	1,2-Dichloroethane-d4	0.858	0.801	6.6	101	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	98	0.00
35	S	Dibromofluoromethane	0.357	0.327	8.4	98	0.00
36	T	1,1-Dichloropropene	0.445	0.416	6.5	82	0.00
37	T	Ethyl Acetate	0.553	0.543	1.8	87	0.01
38	T	Carbon Tetrachloride	0.500	0.471	5.8	82	0.00
39	T	Methylcyclohexane	0.578	0.498	13.8	74	0.00
40	TM	Benzene	1.387	1.310	5.6	86	0.00
41	T	Methacrylonitrile	0.283	0.289	-2.1	86	0.00
42	TM	1,2-Dichloroethane	0.557	0.548	1.6	89	0.01
43	T	Isopropyl Acetate	0.880	0.902	-2.5	90	0.00
44	TM	Trichloroethene	0.393	0.325	17.3	85	0.00
45	C	1,2-Dichloropropane	0.340	0.329	3.2#	87	0.00
46	T	Dibromomethane	0.269	0.271	-0.7	91	0.00
47	T	Bromodichloromethane	0.482	0.493	-2.3	89	0.00
48	T	Methyl methacrylate	0.422	0.428	-1.4	89	0.00

Sample Results: **VX044195.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044195.D
Acq On : 09 Dec 2024 18:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Dec 10 01:47:37 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	76	0.00
50	S	Toluene-d8	1.232	1.104	10.4	98	0.00
51	T	4-Methyl-2-Pentanone	0.537	0.582	-8.4	94	0.00
52	CM	Toluene	0.830	0.816	1.7#	86	0.00
53	T	t-1,3-Dichloropropene	0.491	0.500	-1.8	86	0.00
54	T	cis-1,3-Dichloropropene	0.539	0.525	2.6	84	0.00
55	T	1,1,2-Trichloroethane	0.343	0.348	-1.5	92	0.00
56	T	Ethyl methacrylate	0.534	0.561	-5.1	89	0.00
57	T	1,3-Dichloropropane	0.577	0.588	-1.9	92	0.00
58	T	2-Chloroethyl Vinyl ether	0.273	0.279	-2.2	89	0.00
59	T	2-Hexanone	0.403	0.436	-8.2	90	0.00
60	T	Dibromochloromethane	0.344	0.349	-1.5	86	0.00
61	T	1,2-Dibromoethane	0.346	0.358	-3.5	91	0.00
62	S	4-Bromofluorobenzene	0.419	0.414	1.2	104	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	98	0.00
64	T	Tetrachloroethene	0.330	0.306	7.3	86	0.00
65	PM	Chlorobenzene	1.098	1.042	5.1	89	0.00
66	T	1,1,1,2-Tetrachloroethane	0.356	0.360	-1.1	90	0.00
67	C	Ethyl Benzene	1.861	1.827	1.8#	89	0.00
68	T	m/p-Xylenes	0.694	0.678	2.3	88	0.00
69	T	o-Xylene	0.678	0.681	-0.4	89	0.00
70	T	Styrene	1.121	1.134	-1.2	88	0.00
71	P	Bromoform	0.240	0.240	0.0	83	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	0.00
73	T	Isopropylbenzene	3.843	3.670	4.5	89	0.00
74	T	N-amyl acetate	1.780	1.854	-4.2	92	0.00
75	P	1,1,2,2-Tetrachloroethane	1.316	1.278	2.9	91	0.00
76	T	1,2,3-Trichloropropane	1.096	1.085	1.0	91	0.00
77	T	Bromobenzene	0.917	0.877	4.4	89	0.00
78	T	n-propylbenzene	4.293	4.196	2.3	88	0.00
79	T	2-Chlorotoluene	2.714	2.571	5.3	89	0.00
80	T	1,3,5-Trimethylbenzene	3.162	3.127	1.1	90	0.00
81	T	trans-1,4-Dichloro-2-butene	0.402	0.362	10.0	81	0.00
82	T	4-Chlorotoluene	3.064	2.974	2.9	89	0.00
83	T	tert-Butylbenzene	3.134	3.106	0.9	90	0.00
84	T	1,2,4-Trimethylbenzene	3.148	3.091	1.8	89	0.00
85	T	sec-Butylbenzene	3.840	3.795	1.2	89	0.00
86	T	p-Isopropyltoluene	3.119	3.134	-0.5	88	0.00
87	T	1,3-Dichlorobenzene	1.670	1.584	5.1	89	0.00
88	T	1,4-Dichlorobenzene	1.702	1.590	6.6	89	0.00
89	T	n-Butylbenzene	2.750	2.714	1.3	85	0.00
90	T	Hexachloroethane	0.530	0.488	7.9	83	0.00
91	T	1,2-Dichlorobenzene	1.685	1.617	4.0	91	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.264	0.268	-1.5	94	0.00
93	T	1,2,4-Trichlorobenzene	0.994	0.914	8.0	84	0.00
94	T	Hexachlorobutadiene	0.393	0.360	8.4	87	0.00
95	T	Naphthalene	3.576	3.642	-1.8	90	0.00

Sample Results: **VX044195.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044195.D
Acq On : 09 Dec 2024 18:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Dec 10 01:47:37 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	0.964	4.2	86	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 5

Sample Results: **VX044195.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044195.D
Acq On : 09 Dec 2024 18:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Dec 10 01:47:37 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	0.01
2	T	Dichlorodifluoromethane	50.000	37.740	24.5	66	0.00
3	P	Chloromethane	50.000	40.240	19.5	73	0.00
4	C	Vinyl Chloride	50.000	41.774	16.5#	74	0.00
5	T	Bromomethane	50.000	48.466	3.1	90	0.00
6	T	Chloroethane	50.000	46.289	7.4	83	0.00
7	T	Trichlorofluoromethane	50.000	47.719	4.6	84	0.00
8	T	Diethyl Ether	50.000	48.156	3.7	89	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	43.767	12.5	76	0.00
10	T	Methyl Iodide	50.000	47.840	4.3	85	0.00
11	T	Tert butyl alcohol	250.000	224.985	10.0	81	0.00
12	CM	1,1-Dichloroethene	50.000	43.842	12.3#	80	0.00
13	T	Acrolein	250.000	256.674	-2.7	97	0.00
14	T	Allyl chloride	50.000	47.063	5.9	80	0.00
15	T	Acrylonitrile	250.000	251.011	-0.4	86	0.00
16	T	Acetone	250.000	207.003	17.2	73	0.01
17	T	Carbon Disulfide	50.000	36.130	27.7#	63	0.00
18	T	Methyl Acetate	50.000	49.645	0.7	87	0.00
19	T	Methyl tert-butyl Ether	50.000	50.926	-1.9	89	0.00
20	T	Methylene Chloride	50.000	45.418	9.2	86	0.00
21	T	trans-1,2-Dichloroethene	50.000	46.062	7.9	82	0.00
22	T	Diisopropyl ether	50.000	49.458	1.1	87	0.00
23	T	Vinyl Acetate	250.000	250.436	-0.2	84	0.00
24	P	1,1-Dichloroethane	50.000	48.934	2.1	86	0.00
25	T	2-Butanone	250.000	248.401	0.6	84	0.01
26	T	2,2-Dichloropropane	50.000	43.095	13.8	75	0.00
27	T	cis-1,2-Dichloroethene	50.000	47.328	5.3	83	0.00
28	T	Bromochloromethane	50.000	44.170	11.7	95	0.01
29	T	Tetrahydrofuran	250.000	259.914	-4.0	91	0.01
30	C	Chloroform	50.000	50.011	-0.0#	90	0.01
31	T	Cyclohexane	50.000	44.246	11.5	77	0.00
32	T	1,1,1-Trichloroethane	50.000	49.647	0.7	86	0.00
33	S	1,2-Dichloroethane-d4	50.000	46.681	6.6	101	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	98	0.00
35	S	Dibromofluoromethane	50.000	45.723	8.6	98	0.00
36	T	1,1-Dichloropropene	50.000	46.667	6.7	82	0.00
37	T	Ethyl Acetate	50.000	49.112	1.8	87	0.01
38	T	Carbon Tetrachloride	50.000	47.113	5.8	82	0.00
39	T	Methylcyclohexane	50.000	43.022	14.0	74	0.00
40	TM	Benzene	50.000	47.218	5.6	86	0.00
41	T	Methacrylonitrile	50.000	51.129	-2.3	86	0.00
42	TM	1,2-Dichloroethane	50.000	49.190	1.6	89	0.01
43	T	Isopropyl Acetate	50.000	51.255	-2.5	90	0.00
44	TM	Trichloroethene	50.000	41.377	17.2	85	0.00
45	C	1,2-Dichloropropane	50.000	48.435	3.1#	87	0.00
46	T	Dibromomethane	50.000	50.484	-1.0	91	0.00
47	T	Bromodichloromethane	50.000	51.205	-2.4	89	0.00
48	T	Methyl methacrylate	50.000	50.698	-1.4	89	0.00

Sample Results: **VX044195.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044195.D
Acq On : 09 Dec 2024 18:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Dec 10 01:47:37 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	839.512	16.0	76	0.00
50	S	Toluene-d8	50.000	44.830	10.3	98	0.00
51	T	4-Methyl-2-Pentanone	250.000	270.971	-8.4	94	0.00
52	CM	Toluene	50.000	49.168	1.7#	86	0.00
53	T	t-1,3-Dichloropropene	50.000	50.850	-1.7	86	0.00
54	T	cis-1,3-Dichloropropene	50.000	48.710	2.6	84	0.00
55	T	1,1,2-Trichloroethane	50.000	50.724	-1.4	92	0.00
56	T	Ethyl methacrylate	50.000	52.529	-5.1	89	0.00
57	T	1,3-Dichloropropane	50.000	50.900	-1.8	92	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	238.340	4.7	89	0.00
59	T	2-Hexanone	250.000	270.331	-8.1	90	0.00
60	T	Dibromochloromethane	50.000	50.698	-1.4	86	0.00
61	T	1,2-Dibromoethane	50.000	51.728	-3.5	91	0.00
62	S	4-Bromofluorobenzene	50.000	49.426	1.1	104	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	98	0.00
64	T	Tetrachloroethene	50.000	46.478	7.0	86	0.00
65	PM	Chlorobenzene	50.000	47.426	5.1	89	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	50.596	-1.2	90	0.00
67	C	Ethyl Benzene	50.000	49.105	1.8#	89	0.00
68	T	m/p-Xylenes	100.000	97.773	2.2	88	0.00
69	T	o-Xylene	50.000	50.284	-0.6	89	0.00
70	T	Styrene	50.000	50.577	-1.2	88	0.00
71	P	Bromoform	50.000	44.729	10.5	83	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	99	0.00
73	T	Isopropylbenzene	50.000	47.738	4.5	89	0.00
74	T	N-amyl acetate	50.000	52.058	-4.1	92	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	48.557	2.9	91	0.00
76	T	1,2,3-Trichloropropane	50.000	49.455	1.1	91	0.00
77	T	Bromobenzene	50.000	47.832	4.3	89	0.00
78	T	n-propylbenzene	50.000	48.877	2.2	88	0.00
79	T	2-Chlorotoluene	50.000	47.354	5.3	89	0.00
80	T	1,3,5-Trimethylbenzene	50.000	49.438	1.1	90	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	45.064	9.9	81	0.00
82	T	4-Chlorotoluene	50.000	48.528	2.9	89	0.00
83	T	tert-Butylbenzene	50.000	49.553	0.9	90	0.00
84	T	1,2,4-Trimethylbenzene	50.000	49.093	1.8	89	0.00
85	T	sec-Butylbenzene	50.000	49.420	1.2	89	0.00
86	T	p-Isopropyltoluene	50.000	50.244	-0.5	88	0.00
87	T	1,3-Dichlorobenzene	50.000	47.440	5.1	89	0.00
88	T	1,4-Dichlorobenzene	50.000	46.709	6.6	89	0.00
89	T	n-Butylbenzene	50.000	49.338	1.3	85	0.00
90	T	Hexachloroethane	50.000	46.047	7.9	83	0.00
91	T	1,2-Dichlorobenzene	50.000	47.962	4.1	91	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	50.727	-1.5	94	0.00
93	T	1,2,4-Trichlorobenzene	50.000	45.975	8.0	84	0.00
94	T	Hexachlorobutadiene	50.000	45.818	8.4	87	0.00
95	T	Naphthalene	50.000	50.915	-1.8	90	0.00

Sample Results: **VX044195.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044195.D
Acq On : 09 Dec 2024 18:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Dec 10 01:47:37 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	47.928	4.1	86	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VX044217.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: AECO15

Lab Code: CHEM Case No.: P5164 SAS No.: P5164 SDG No.: P5164

Instrument ID: MSVOA_X Calibration Date/Time: 12/10/2024 18:44

Lab File ID: VX044217.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	0.496		-21.64	50
Chloromethane	0.667	0.566	0.1	-15.14	50
Vinyl Chloride	0.709	0.616		-13.12	50
Bromomethane	0.436	0.441		1.15	50
Chloroethane	0.432	0.416		-3.7	50
Trichlorofluoromethane	1.268	1.286		1.42	50
1,1,2-Trichlorotrifluoroethane	0.605	0.555		-8.26	50
1,1-Dichloroethene	0.576	0.521		-9.55	50
Acetone	0.394	0.357		-9.39	50
Carbon Disulfide	1.188	0.842		-29.13	50
Methyl tert-butyl Ether	2.092	2.267		8.36	50
Methyl Acetate	0.917	0.993		8.29	50
Methylene Chloride	0.668	0.651		-2.55	50
trans-1,2-Dichloroethene	0.595	0.559		-6.05	50
1,1-Dichloroethane	1.161	1.194	0.1	2.84	50
Cyclohexane	0.956	0.852		-10.88	50
2-Butanone	0.508	0.539		6.1	50
Carbon Tetrachloride	0.500	0.466		-6.8	50
cis-1,2-Dichloroethene	0.735	0.744		1.22	50
Bromochloromethane	0.511	0.464		-9.2	50
Chloroform	1.249	1.314		5.2	50
1,1,1-Trichloroethane	1.077	1.126		4.55	50
Methylcyclohexane	0.578	0.493		-14.71	50
Benzene	1.387	1.288		-7.14	50
1,2-Dichloroethane	0.557	0.549		-1.44	50
Trichloroethene	0.393	0.315		-19.85	50
1,2-Dichloropropane	0.340	0.336		-1.18	50
Bromodichloromethane	0.482	0.497		3.11	50
4-Methyl-2-Pentanone	0.537	0.594		10.61	50
Toluene	0.830	0.815		-1.81	50
t-1,3-Dichloropropene	0.491	0.497		1.22	50
cis-1,3-Dichloropropene	0.539	0.534		-0.93	50
1,1,2-Trichloroethane	0.343	0.350		2.04	50
2-Hexanone	0.403	0.444		10.17	50
Dibromochloromethane	0.344	0.358		4.07	50
1,2-Dibromoethane	0.346	0.362		4.62	50
Tetrachloroethene	0.330	0.309		-6.36	50
Chlorobenzene	1.098	1.073	0.3	-2.28	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: AECO15

Lab Code: CHEM Case No.: P5164 SAS No.: P5164 SDG No.: P5164

Instrument ID: MSVOA_X Calibration Date/Time: 12/10/2024 18:44

Lab File ID: VX044217.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	1.866		0.27	50
m/p-Xylenes	0.694	0.686		-1.15	50
o-Xylene	0.678	0.698		2.95	50
Styrene	1.121	1.176		4.91	50
Bromoform	0.240	0.254	0.1	5.83	50
Isopropylbenzene	3.843	3.780		-1.64	50
1,1,2,2-Tetrachloroethane	1.316	1.342	0.3	1.98	50
1,3-Dichlorobenzene	1.670	1.628		-2.52	50
1,4-Dichlorobenzene	1.702	1.600		-5.99	50
1,2-Dichlorobenzene	1.685	1.644		-2.43	50
1,2-Dibromo-3-Chloropropane	0.264	0.280		6.06	50
1,2,4-Trichlorobenzene	0.994	0.956		-3.82	50
1,2,3-Trichlorobenzene	1.006	0.973		-3.28	50
1,2-Dichloroethane-d4	0.858	0.913		6.41	50
Dibromofluoromethane	0.357	0.351		-1.68	50
Toluene-d8	1.232	1.161		-5.76	50
4-Bromofluorobenzene	0.419	0.428		2.15	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: **VX044217.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044217.D
Acq On : 10 Dec 2024 18:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 11 01:40:57 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

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	127138	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	242423	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	208962	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	99884	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	116097	53.240	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.480%			
35) Dibromofluoromethane	5.385	113	85094	49.124	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.240%			
50) Toluene-d8	8.647	98	281415	47.129	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.260%			
62) 4-Bromofluorobenzene	11.079	95	103646	51.003	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	63111	39.184	ug/l	100
3) Chloromethane	1.294	50	71958	42.456	ug/l	96
4) Vinyl Chloride	1.374	62	78335	43.453	ug/l	94
5) Bromomethane	1.593	94	56062	50.551	ug/l	99
6) Chloroethane	1.660	64	52880	48.139	ug/l	96
7) Trichlorofluoromethane	1.861	101	163545	50.742	ug/l	99
8) Diethyl Ether	2.136	74	60579	51.568	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.313	101	70620	45.934	ug/l	97
10) Methyl Iodide	2.441	142	94218	49.069	ug/l	97
11) Tert butyl alcohol	3.001	59	84514	241.461	ug/l	98
12) 1,1-Dichloroethene	2.306	96	66238	45.214	ug/l	100
13) Acrolein	2.239	56	97940	265.473	ug/l	98
14) Allyl chloride	2.654	41	119802	50.047	ug/l	97
15) Acrylonitrile	3.069	53	227176	266.340	ug/l	99
16) Acetone	2.392	43	226673	226.323	ug/l	99
17) Carbon Disulfide	2.495	76	107012	35.412	ug/l	98
18) Methyl Acetate	2.709	43	126300	54.151	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	288178	54.175	ug/l	99
20) Methylene Chloride	2.782	84	82748	48.686	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	71058	46.980	ug/l	98
22) Diisopropyl ether	3.764	45	270141	52.775	ug/l	95
23) Vinyl Acetate	3.721	43	1168321	266.817	ug/l	99
24) 1,1-Dichloroethane	3.605	63	151815	51.412	ug/l	98
25) 2-Butanone	4.568	43	342634	265.133	ug/l	100
26) 2,2-Dichloropropane	4.465	77	124266	46.597	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	94599	50.598	ug/l	100
28) Bromochloromethane	4.897	49	58950	45.353	ug/l	99
29) Tetrahydrofuran	5.007	42	213397	269.350	ug/l	99
30) Chloroform	5.093	83	167120	52.620	ug/l	92
31) Cyclohexane	5.458	56	108328	44.572	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	143108	52.251	ug/l	98
36) 1,1-Dichloropropene	5.684	75	99283	45.995	ug/l	99
37) Ethyl Acetate	4.721	43	132767	49.549	ug/l	100
38) Carbon Tetrachloride	5.672	117	113013	46.595	ug/l	98
39) Methylcyclohexane	7.373	83	119528	42.624	ug/l	95
40) Benzene	6.031	78	312174	46.428	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044217.D
Acq On : 10 Dec 2024 18:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 11 01:40:57 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

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.928	41	69589	50.743 ug/l	95
42) 1,2-Dichloroethane	6.086	62	133086	49.283 ug/l	100
43) Isopropyl Acetate	6.342	43	217997	51.122 ug/l	100
44) Trichloroethene	7.123	130	76272	40.071 ug/l	97
45) 1,2-Dichloropropane	7.427	63	81383	49.418 ug/l	95
46) Dibromomethane	7.580	93	65788	50.501 ug/l	96
47) Bromodichloromethane	7.824	83	120375	51.522 ug/l	97
48) Methyl methacrylate	7.696	41	102462	50.075 ug/l	98
49) 1,4-Dioxane	7.665	88	30858	846.622 ug/l #	66
51) 4-Methyl-2-Pentanone	8.574	43	719431	276.463 ug/l	99
52) Toluene	8.714	92	197647	49.112 ug/l	99
53) t-1,3-Dichloropropene	8.976	75	120376	50.525 ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	129505	49.583 ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	84764	51.024 ug/l	99
56) Ethyl methacrylate	9.116	69	138164	53.395 ug/l	98
57) 1,3-Dichloropropane	9.305	76	141482	50.557 ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	332302	234.142 ug/l	98
59) 2-Hexanone	9.433	43	538686	275.412 ug/l	99
60) Dibromochloromethane	9.519	129	86855	52.109 ug/l	99
61) 1,2-Dibromoethane	9.610	107	87795	52.266 ug/l	100
64) Tetrachloroethene	9.269	164	64579	46.869 ug/l	97
65) Chlorobenzene	10.079	112	224152	48.841 ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	77524	52.085 ug/l	99
67) Ethyl Benzene	10.195	91	389963	50.145 ug/l	100
68) m/p-Xylenes	10.299	106	286729	98.868 ug/l	98
69) o-Xylene	10.640	106	145887	51.522 ug/l	98
70) Styrene	10.653	104	245812	52.487 ug/l	99
71) Bromoform	10.799	173	53014	47.096 ug/l #	97
73) Isopropylbenzene	10.963	105	377517	49.169 ug/l	100
74) N-amyl acetate	10.842	43	192555	54.137 ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	134002	50.971 ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	112114m	51.183 ug/l	
77) Bromobenzene	11.195	156	88361	48.243 ug/l	98
78) n-propylbenzene	11.305	91	424053	49.451 ug/l	100
79) 2-Chlorotoluene	11.360	91	264885	48.850 ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	318691	50.452 ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	35508	44.234 ug/l	93
82) 4-Chlorotoluene	11.451	91	302591	49.428 ug/l	99
83) tert-Butylbenzene	11.713	119	316761	50.593 ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	316576	50.339 ug/l	98
85) sec-Butylbenzene	11.890	105	386295	50.357 ug/l	100
86) p-Isopropyltoluene	12.006	119	318368	51.093 ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	162593	48.740 ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	159770	46.977 ug/l	98
89) n-Butylbenzene	12.329	91	276773	50.379 ug/l	100
90) Hexachloroethane	12.536	117	49566	46.780 ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	164195	48.773 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	27997	53.147 ug/l	93
93) 1,2,4-Trichlorobenzene	13.585	180	95471	48.102 ug/l	99
94) Hexachlorobutadiene	13.725	225	36087	46.005 ug/l	98
95) Naphthalene	13.774	128	380179	53.212 ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	97156	48.363 ug/l	96

Sample Results: **VX044217.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044217.D
Acq On : 10 Dec 2024 18:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 11 01:40:57 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

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

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

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

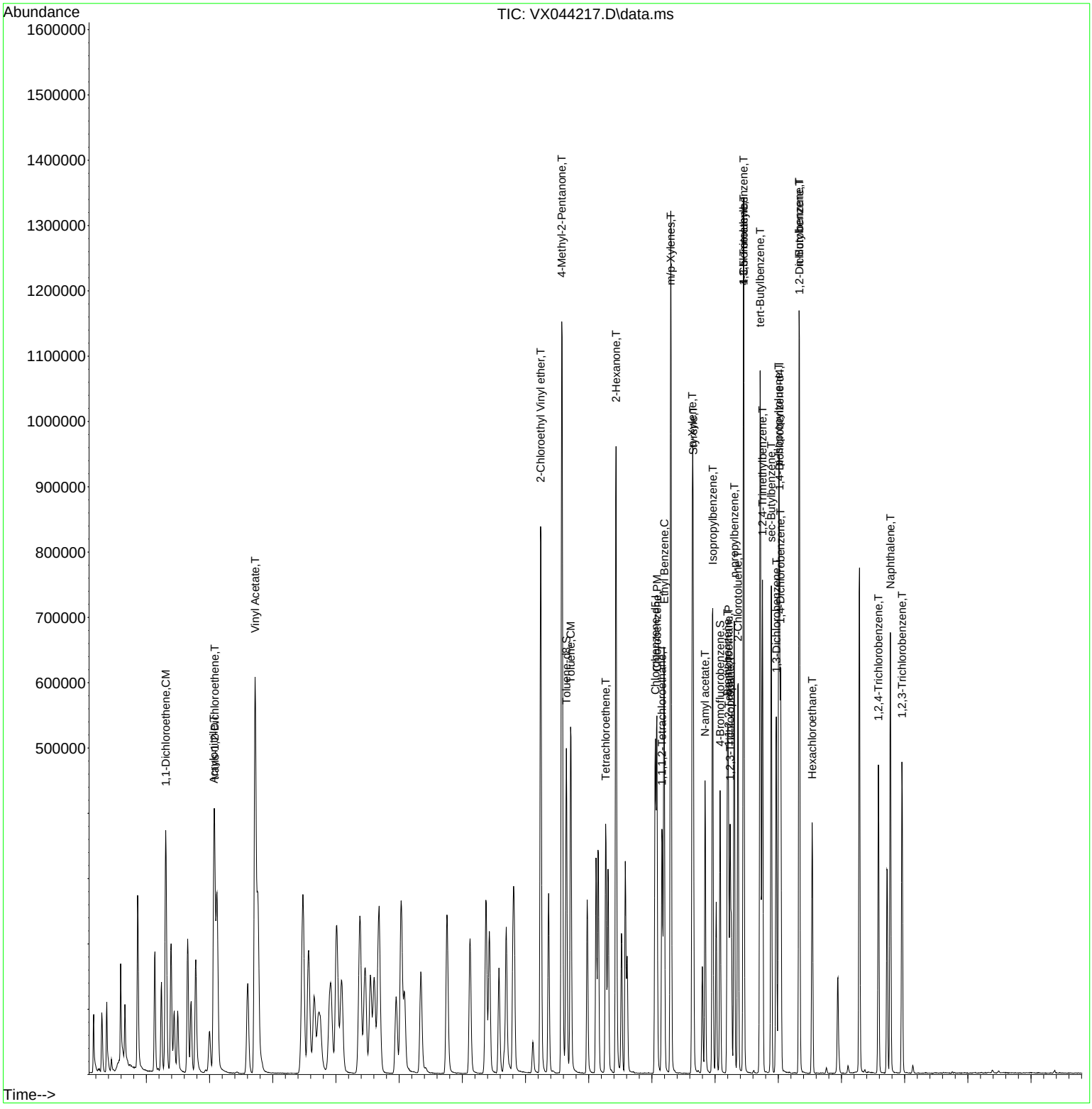
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044217.D
Acq On : 10 Dec 2024 18:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

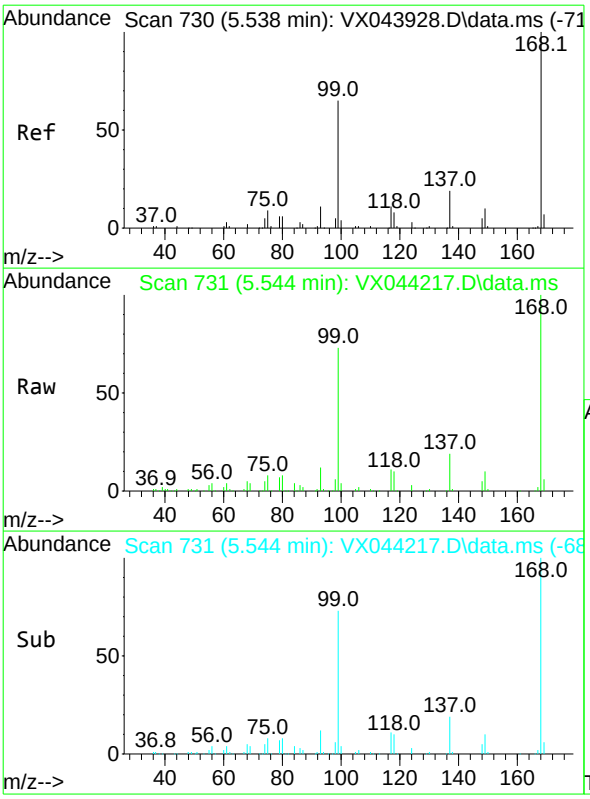
Quant Time: Dec 11 01:40:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

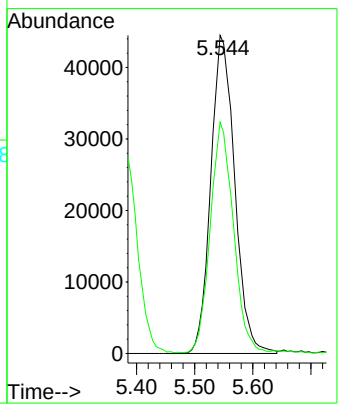




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. 0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion:168 Resp: 127138

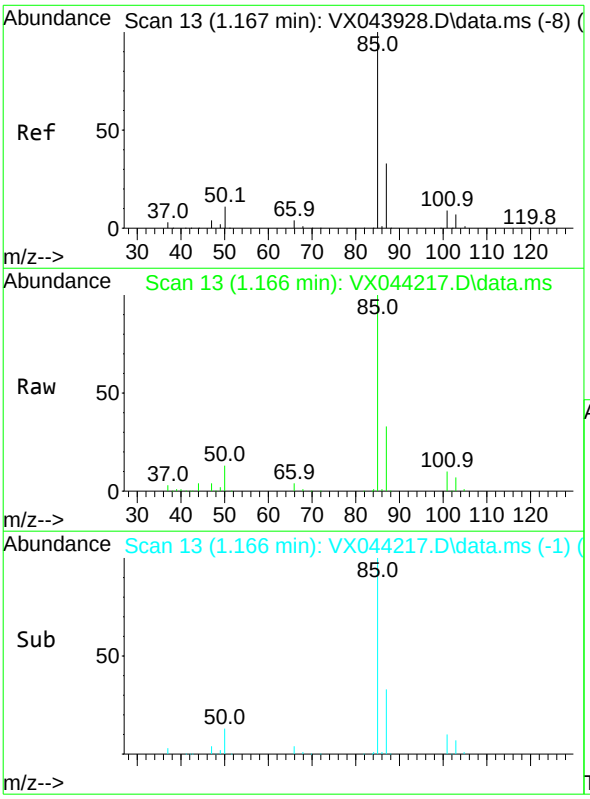
Ion	Ratio	Lower	Upper
168	100		
99	72.4	51.8	77.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

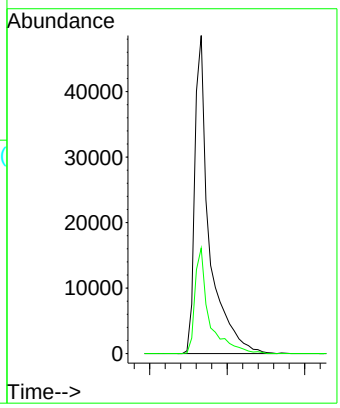
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

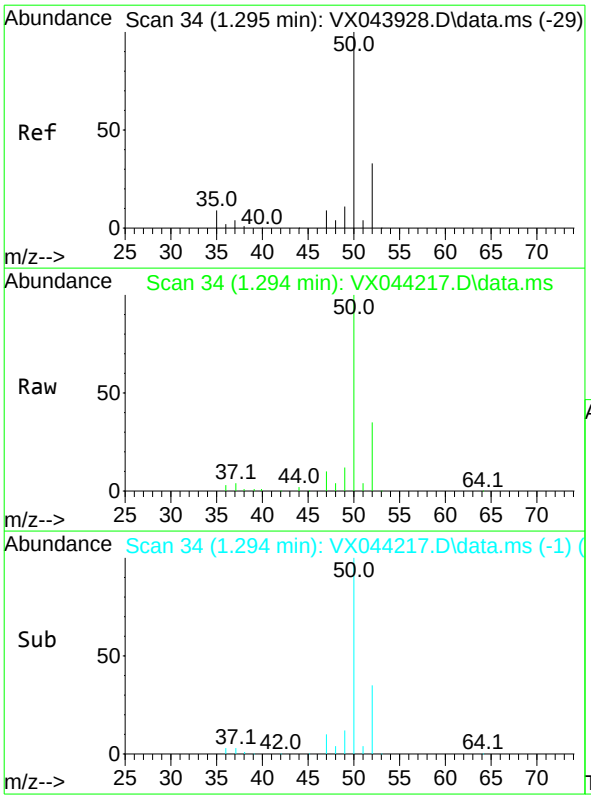


#2
Dichlorodifluoromethane
Concen: 39.184 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 85 Resp: 63111

Ion	Ratio	Lower	Upper
85	100		
87	33.1	16.6	49.8

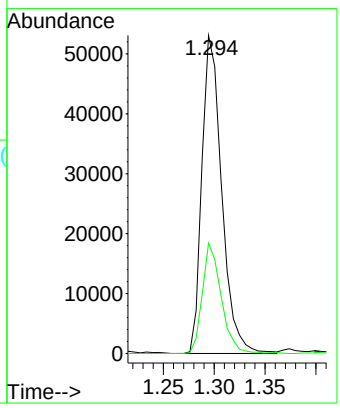




#3
Chloromethane
Concen: 42.456 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 50 Resp: 71958

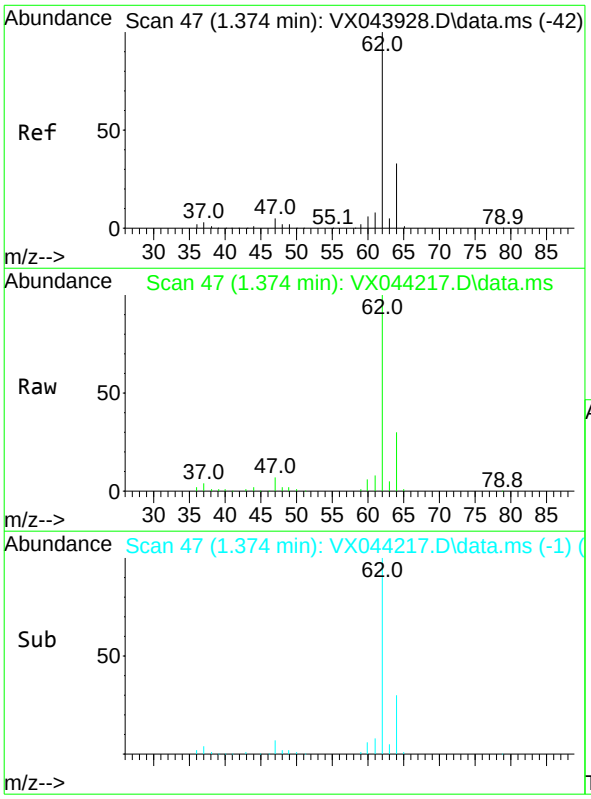
Ion	Ratio	Lower	Upper
50	100		
52	34.7	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

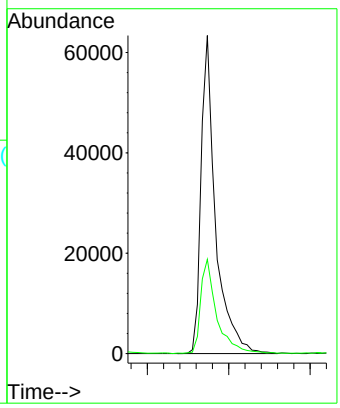
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

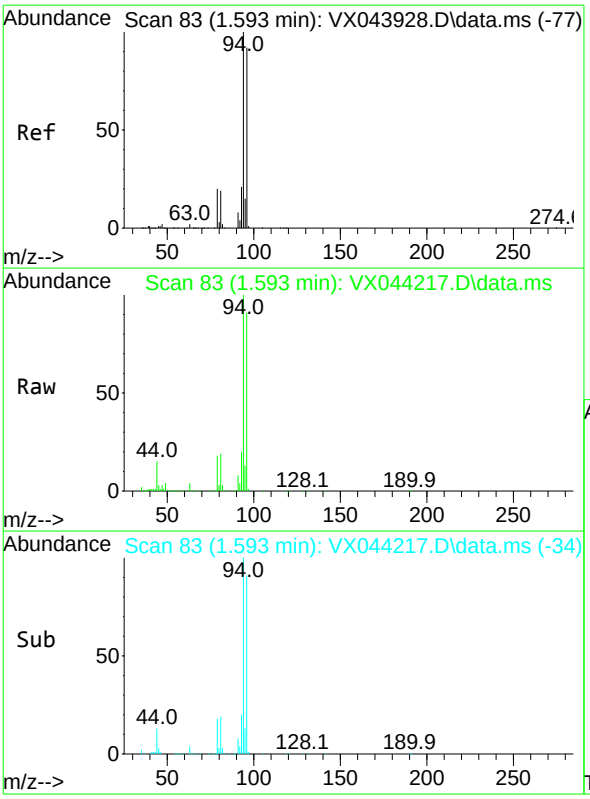


#4
Vinyl Chloride
Concen: 43.453 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 62 Resp: 78335

Ion	Ratio	Lower	Upper
62	100		
64	29.5	26.2	39.4

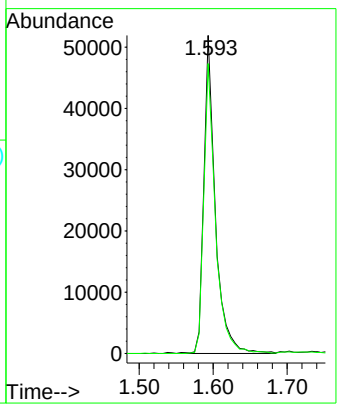




#5
Bromomethane
Concen: 50.551 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 94 Resp: 56062

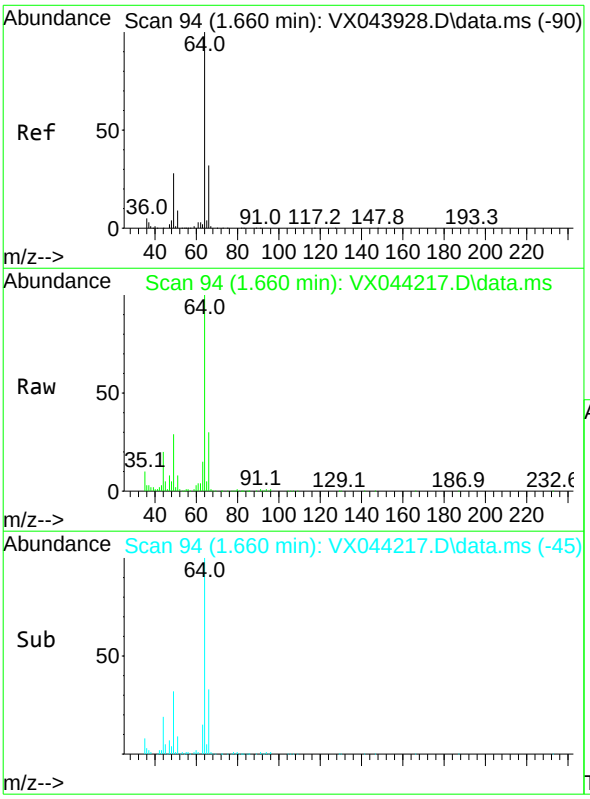
Ion	Ratio	Lower	Upper
94	100		
96	91.2	73.9	110.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

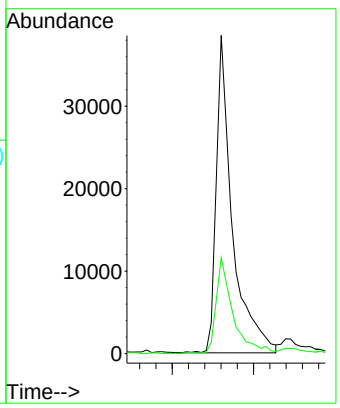
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

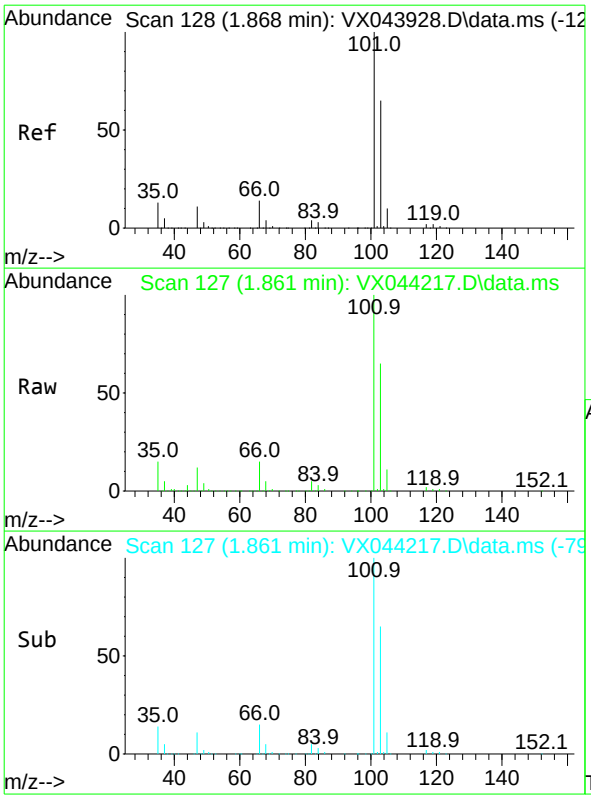


#6
Chloroethane
Concen: 48.139 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 64 Resp: 52880

Ion	Ratio	Lower	Upper
64	100		
66	30.2	25.9	38.9

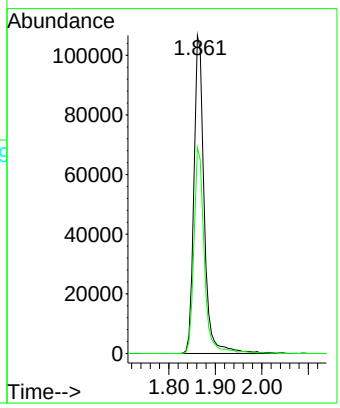




#7
Trichlorofluoromethane
Concen: 50.742 ug/l
RT: 1.861 min Scan# 12
Delta R.T. -0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion:101 Resp: 163545

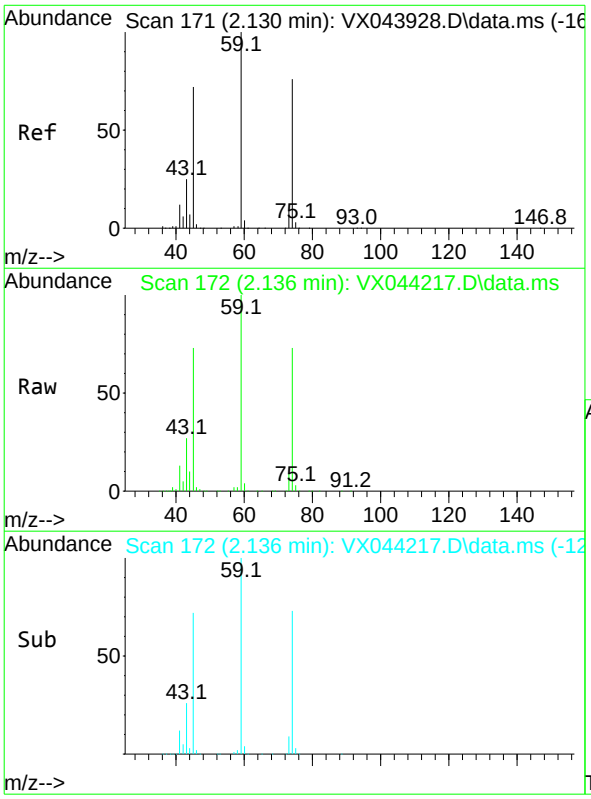
Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.2	78.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

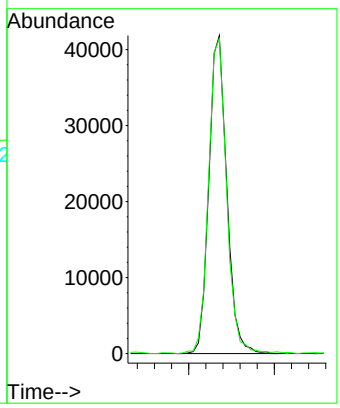
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

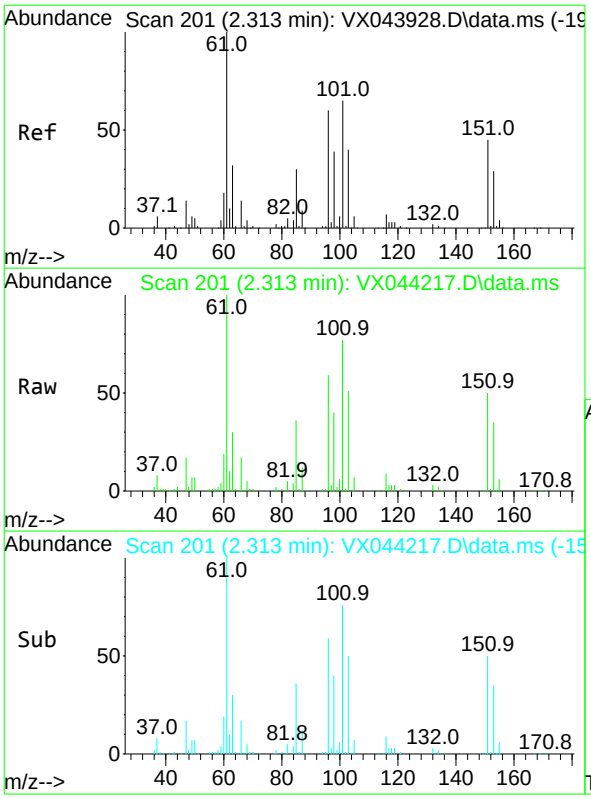


#8
Diethyl Ether
Concen: 51.568 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 74 Resp: 60579

Ion	Ratio	Lower	Upper
74	100		
45	100.2	47.9	143.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.934 ug/l
RT: 2.313 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

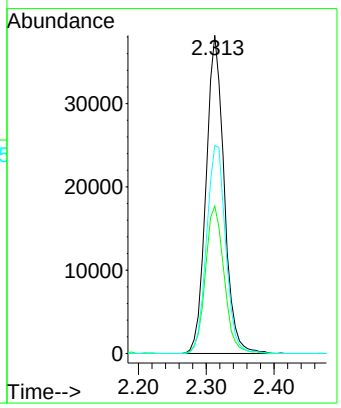
Tgt Ion:101 Resp: 70620

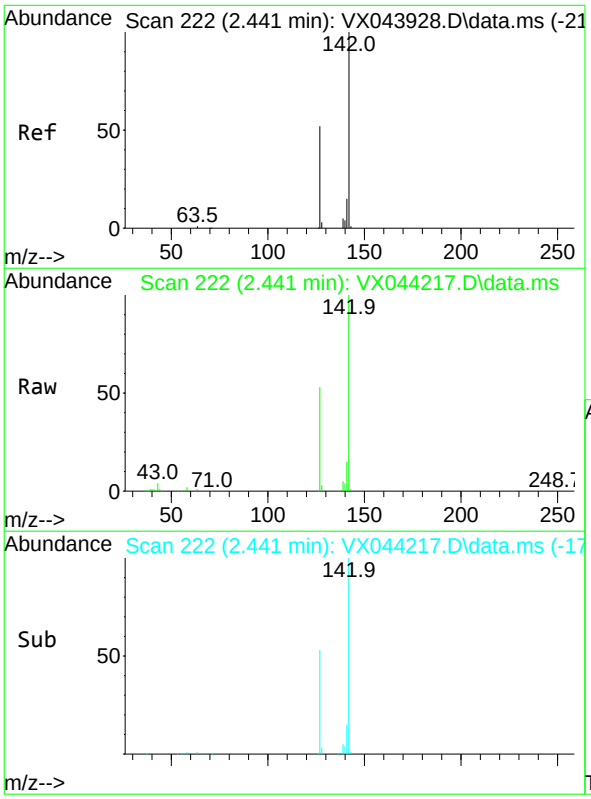
Ion	Ratio	Lower	Upper
101	100		
85	48.1	37.9	56.9
151	68.9	57.5	86.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

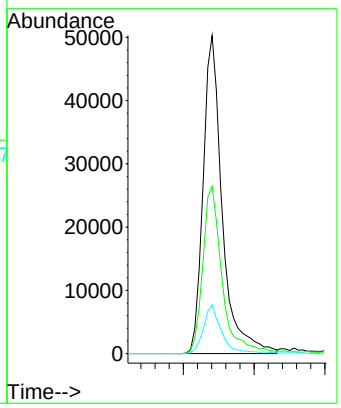


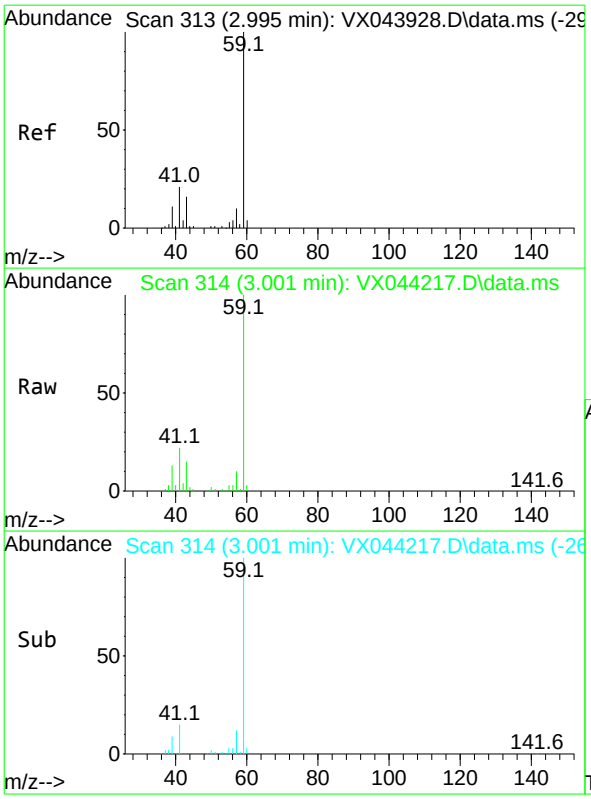


#10
Methyl Iodide
Concen: 49.069 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion:142 Resp: 94218

Ion	Ratio	Lower	Upper
142	100		
127	53.8	40.7	61.1
141	14.7	12.0	18.0

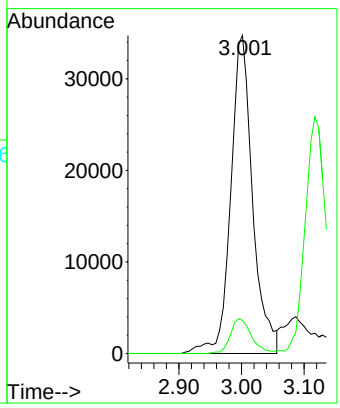




#11
Tert butyl alcohol
Concen: 241.461 ug/l
RT: 3.001 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 59 Resp: 84514

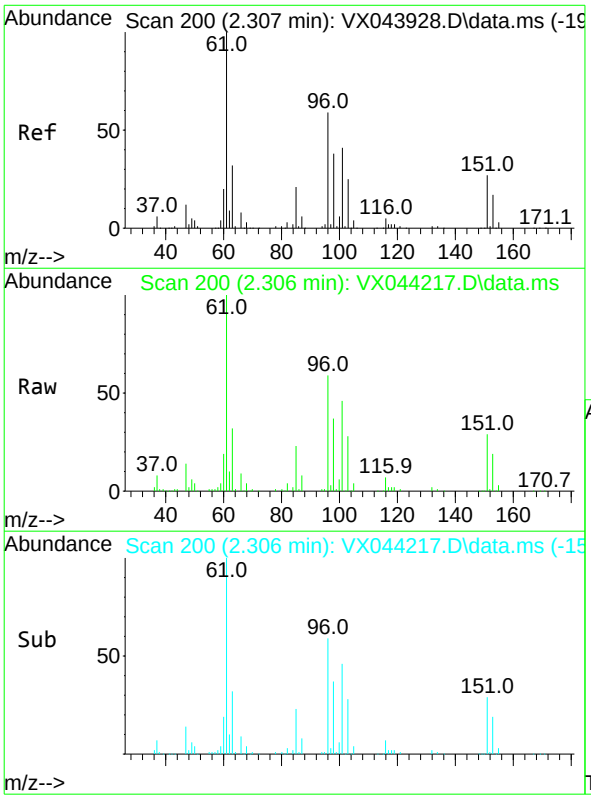
Ion	Ratio	Lower	Upper
59	100		
57	10.5	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

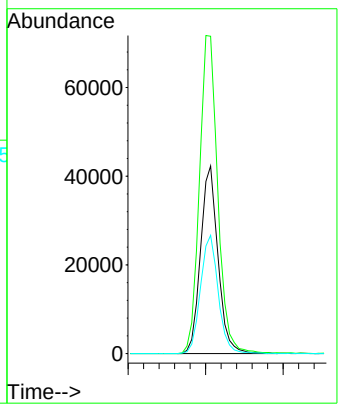
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

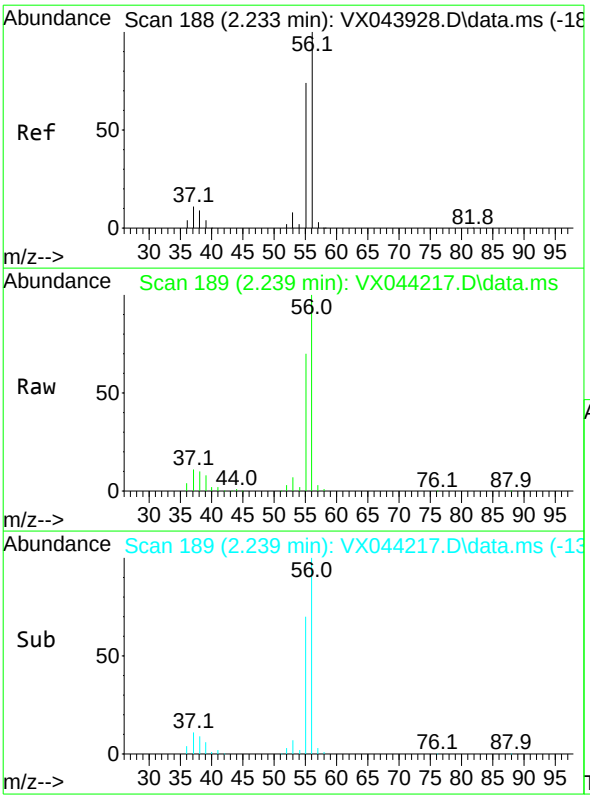


#12
1,1-Dichloroethene
Concen: 45.214 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 96 Resp: 66238

Ion	Ratio	Lower	Upper
96	100		
61	169.1	135.5	203.3
98	63.0	50.8	76.2

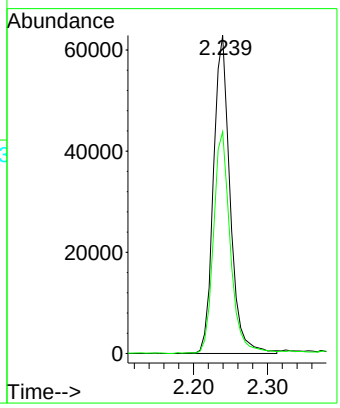




#13
Acrolein
Concen: 265.473 ug/l
RT: 2.239 min Scan# 18
Delta R.T. 0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 56 Resp: 97940

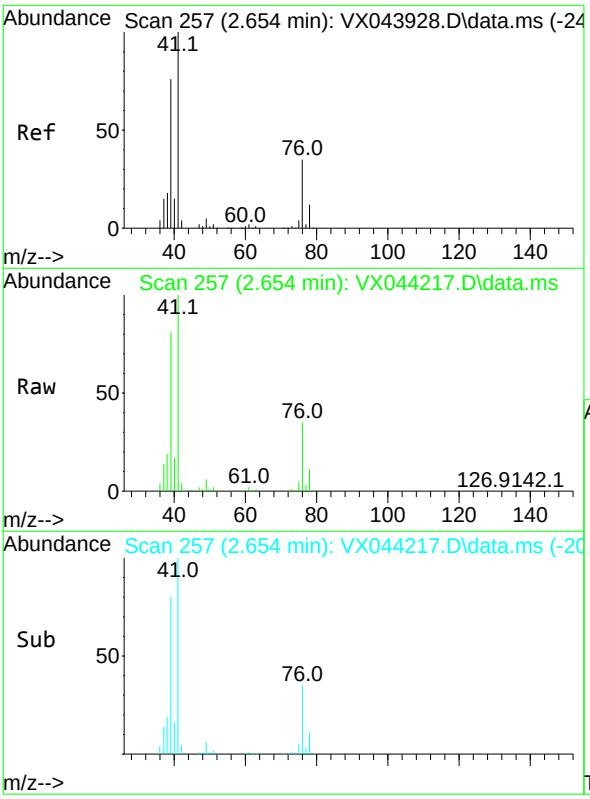
Ion	Ratio	Lower	Upper
56	100		
55	70.7	58.2	87.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

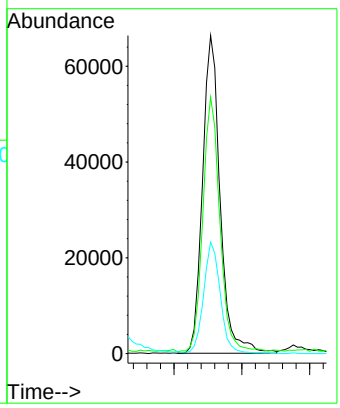
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

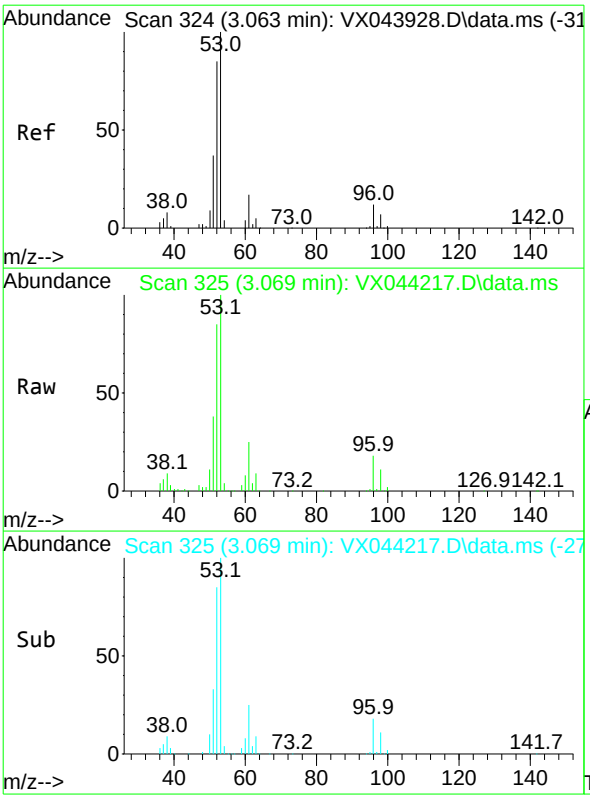


#14
Allyl chloride
Concen: 50.047 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 41 Resp: 119802

Ion	Ratio	Lower	Upper
41	100		
39	77.2	59.5	89.3
76	33.4	27.4	41.2

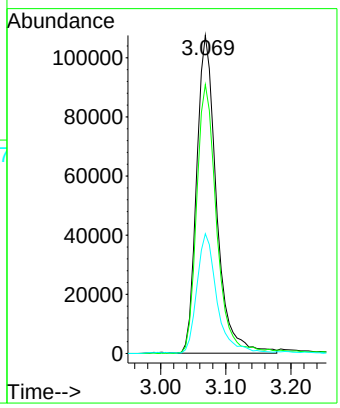




#15
Acrylonitrile
Concen: 266.340 ug/l
RT: 3.069 min Scan# 32
Delta R.T. 0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 53 Resp: 227176

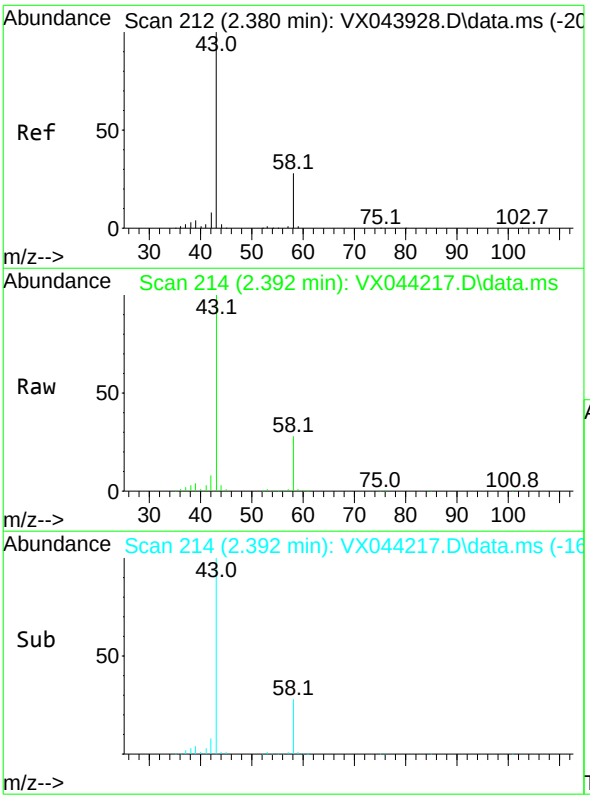
Ion	Ratio	Lower	Upper
53	100		
52	84.7	66.5	99.7
51	37.8	30.2	45.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

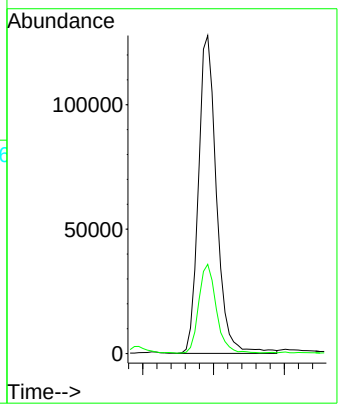
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

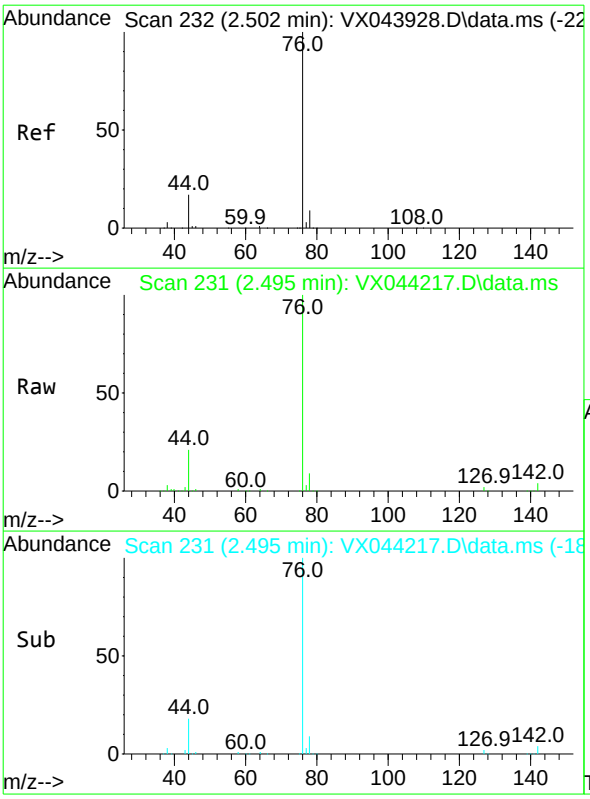


#16
Acetone
Concen: 226.323 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.012 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 43 Resp: 226673

Ion	Ratio	Lower	Upper
43	100		
58	28.0	22.7	34.1





#17
Carbon Disulfide
Concen: 35.412 ug/l
RT: 2.495 min Scan# 23
Delta R.T. -0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

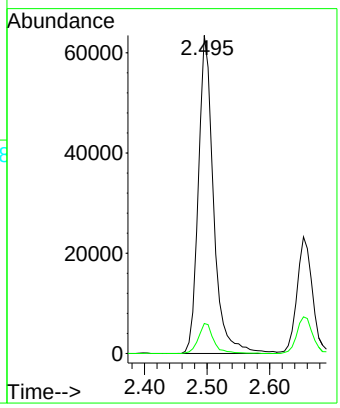
Tgt Ion: 76 Resp: 107012

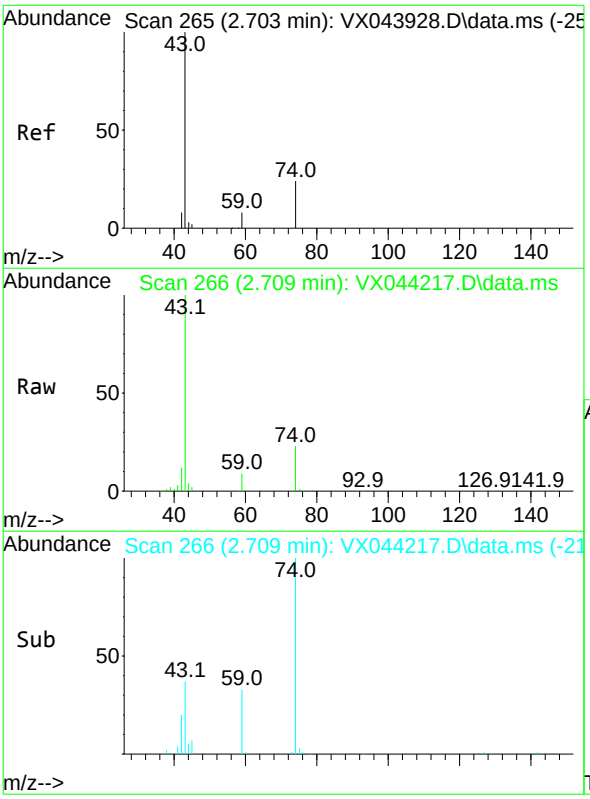
Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.0	10.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

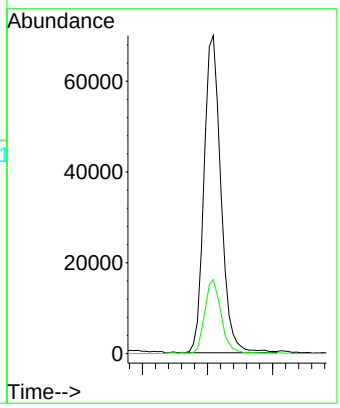


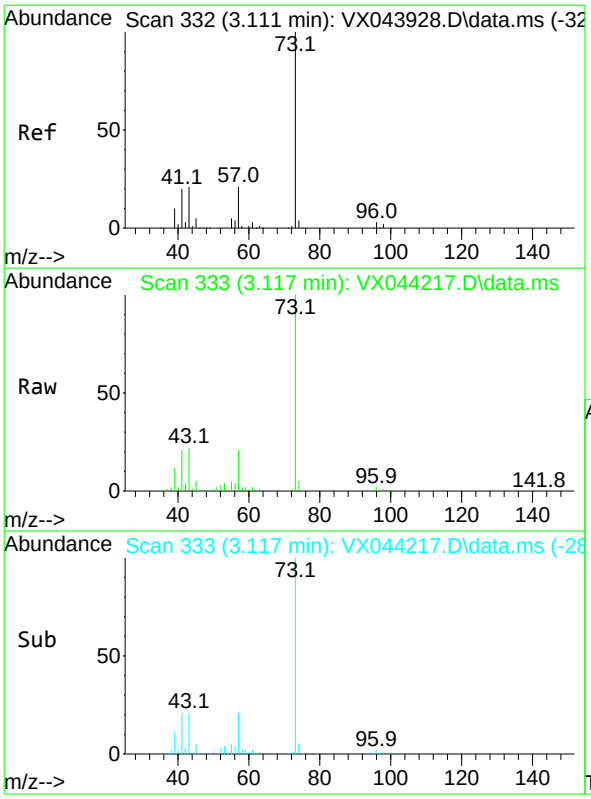


#18
Methyl Acetate
Concen: 54.151 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 43 Resp: 126300

Ion	Ratio	Lower	Upper
43	100		
74	22.4	18.9	28.3

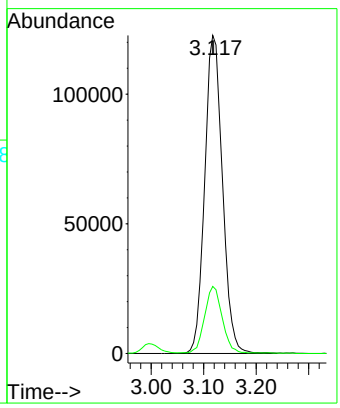




#19
Methyl tert-butyl Ether
Concen: 54.175 ug/l
RT: 3.117 min Scan# 33
Delta R.T. 0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 73 Resp: 288178

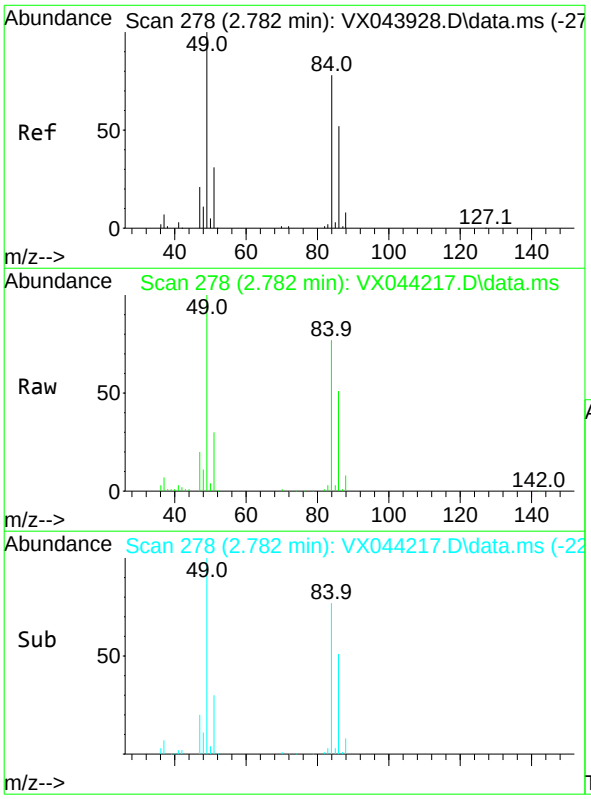
Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.0	25.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

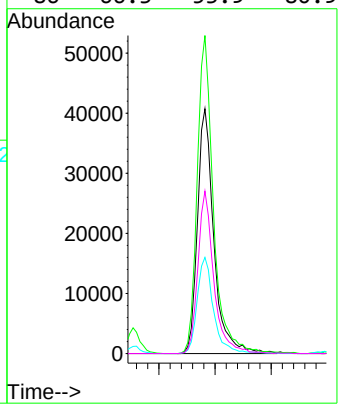
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

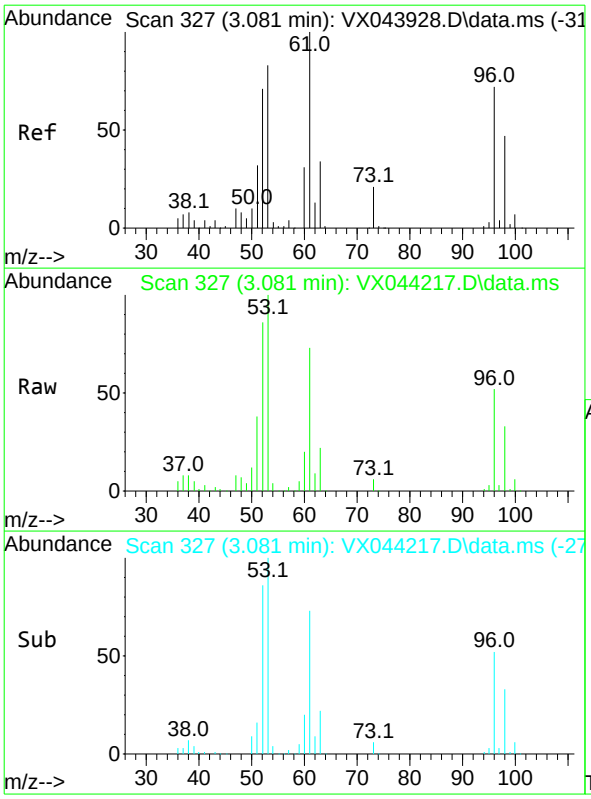


#20
Methylene Chloride
Concen: 48.686 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 84 Resp: 82748

Ion	Ratio	Lower	Upper
84	100		
49	129.9	102.7	154.1
51	39.3	31.7	47.5
86	66.3	53.9	80.9





#21
trans-1,2-Dichloroethene
Concen: 46.980 ug/l
RT: 3.081 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

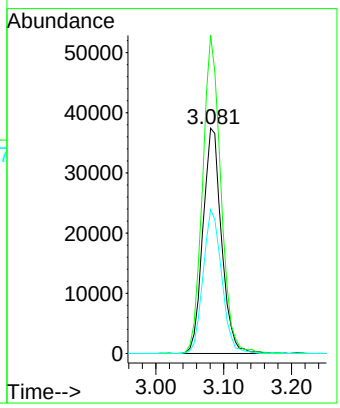
Tgt Ion: 96 Resp: 71058

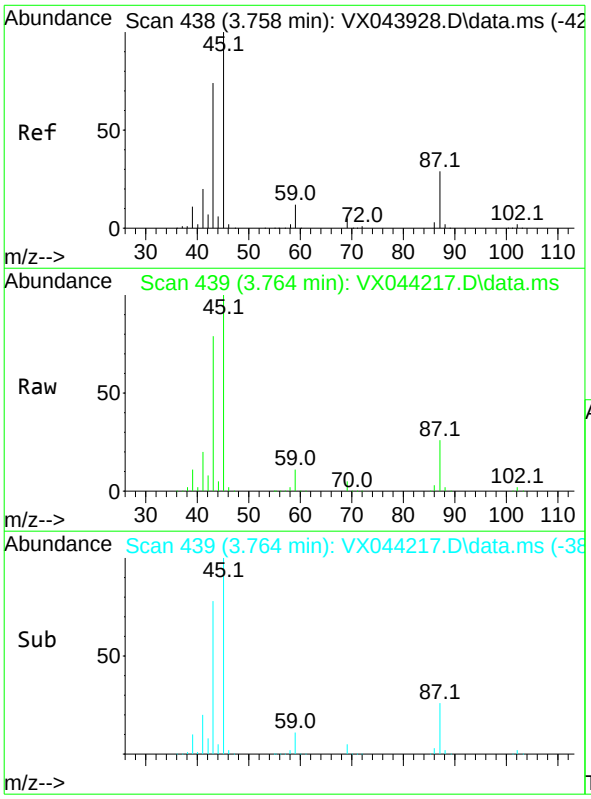
Ion	Ratio	Lower	Upper
96	100		
61	141.2	111.8	167.6
98	63.9	52.7	79.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

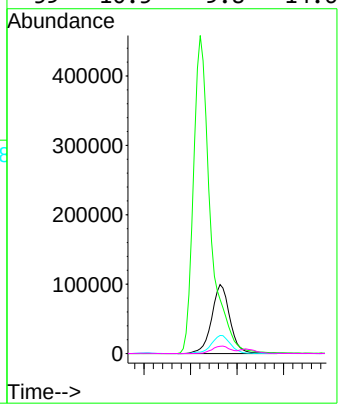


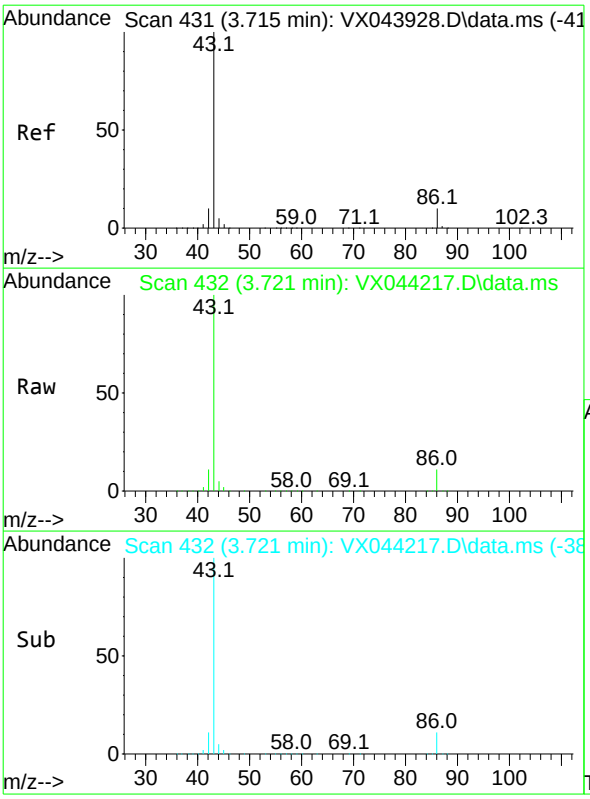


#22
Diisopropyl ether
Concen: 52.775 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 45 Resp: 270141

Ion	Ratio	Lower	Upper
45	100		
43	78.4	59.6	89.4
87	26.2	22.9	34.3
59	10.5	9.8	14.6





#23
Vinyl Acetate
Concen: 266.817 ug/l
RT: 3.721 min Scan# 43
Delta R.T. 0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

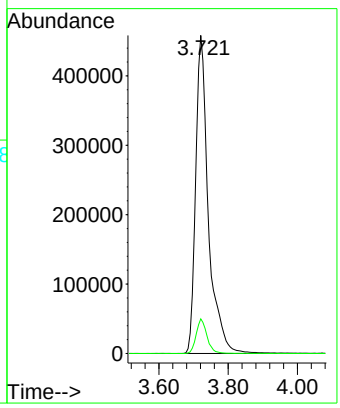
Tgt Ion: 43 Resp: 1168321

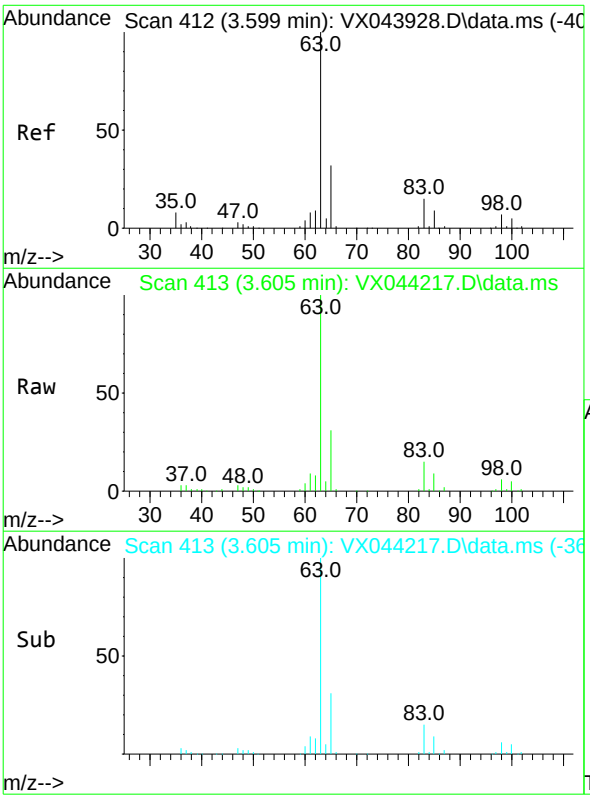
Ion	Ratio	Lower	Upper
43	100		
86	10.9	8.3	12.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

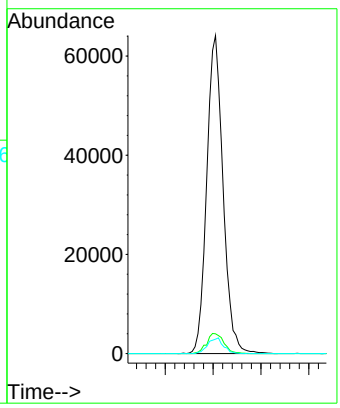


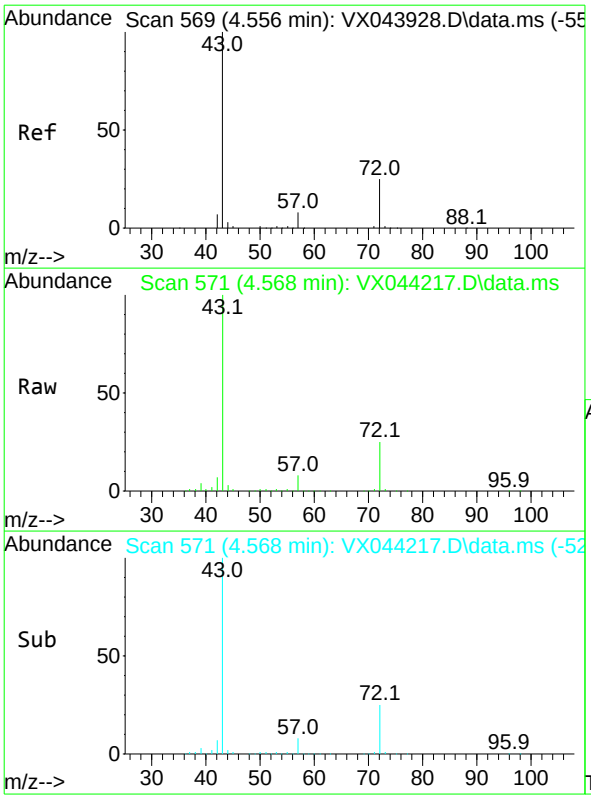


#24
1,1-Dichloroethane
Concen: 51.412 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 63 Resp: 151815

Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.5	10.6
100	4.5	2.4	7.1





#25
2-Butanone
Concen: 265.133 ug/l
RT: 4.568 min Scan# 57
Delta R.T. 0.012 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

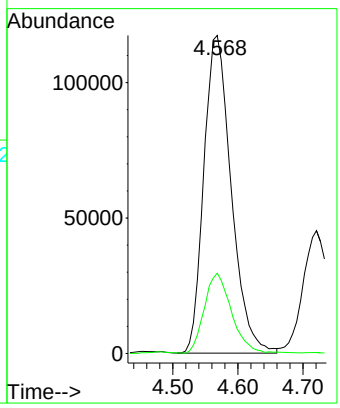
Tgt Ion: 43 Resp: 342634

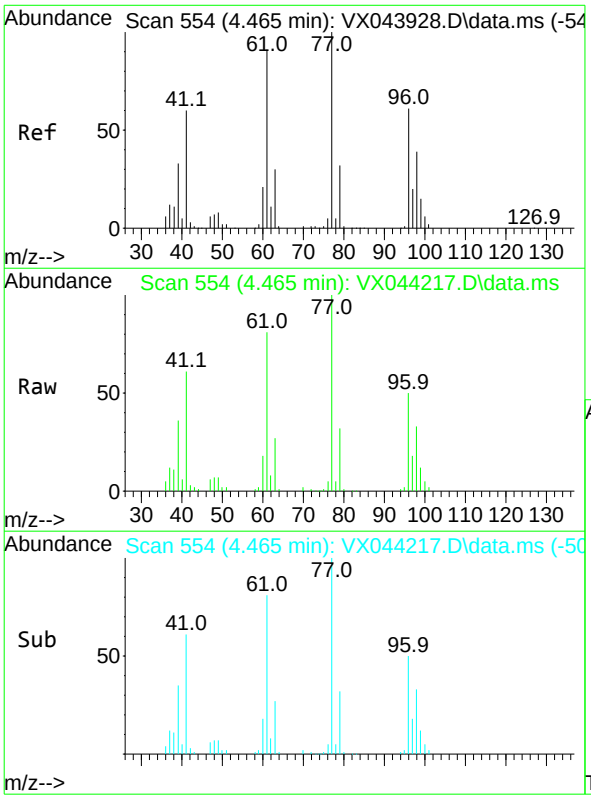
Ion	Ratio	Lower	Upper
43	100		
72	25.1	20.2	30.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

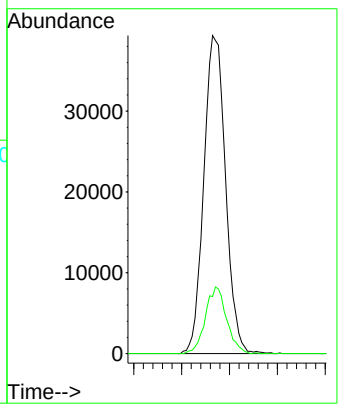


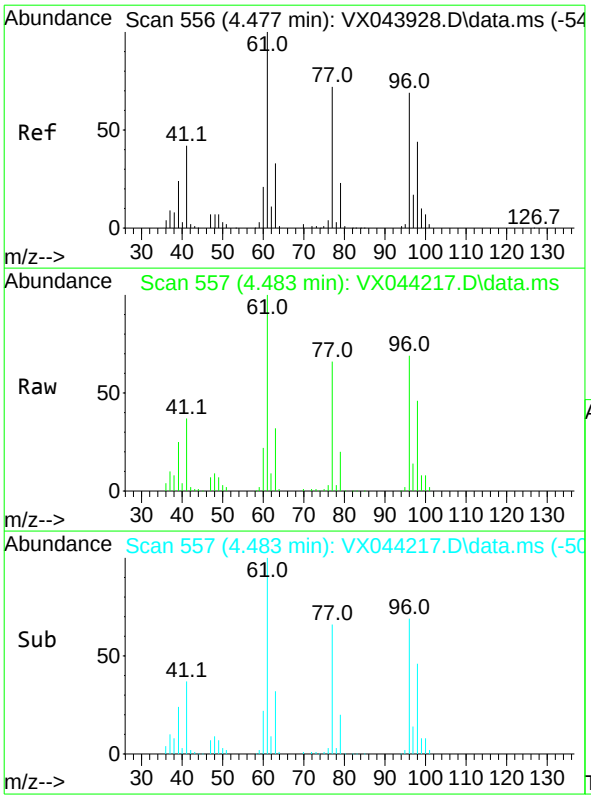


#26
2,2-Dichloropropane
Concen: 46.597 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 77 Resp: 124266

Ion	Ratio	Lower	Upper
77	100		
97	20.4	10.8	32.3





#27
cis-1,2-Dichloroethene
Concen: 50.598 ug/l
RT: 4.483 min Scan# 55
Delta R.T. 0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

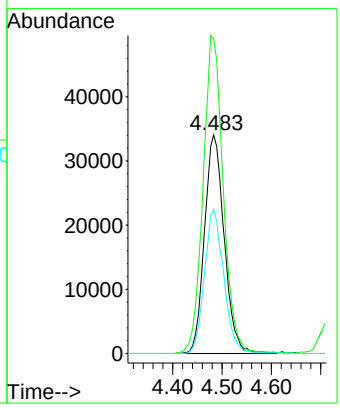
Tgt Ion: 96 Resp: 94599

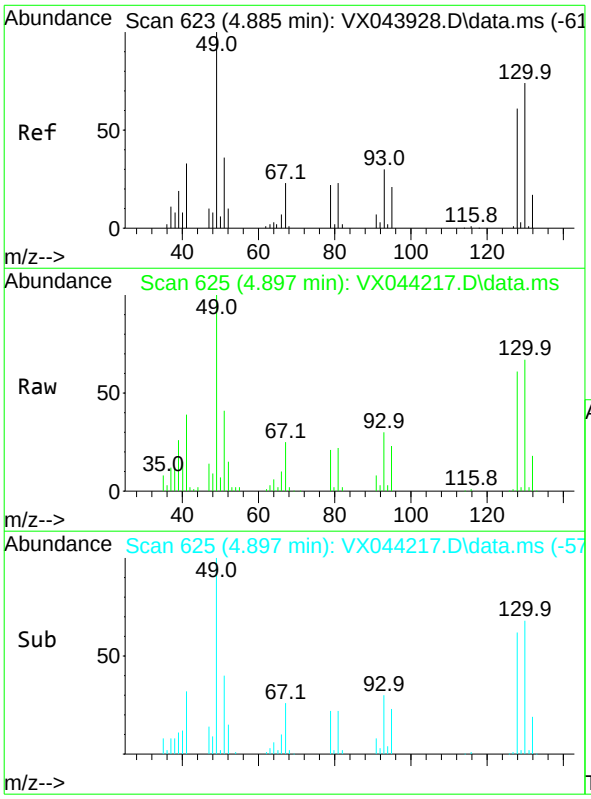
Ion	Ratio	Lower	Upper
96	100		
61	148.7	0.0	297.4
98	64.8	0.0	127.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

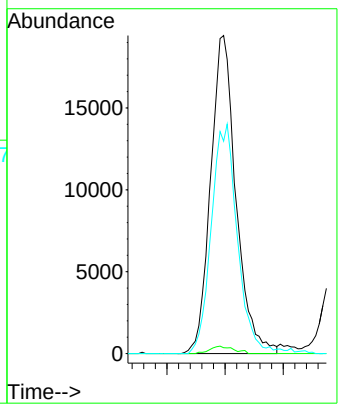


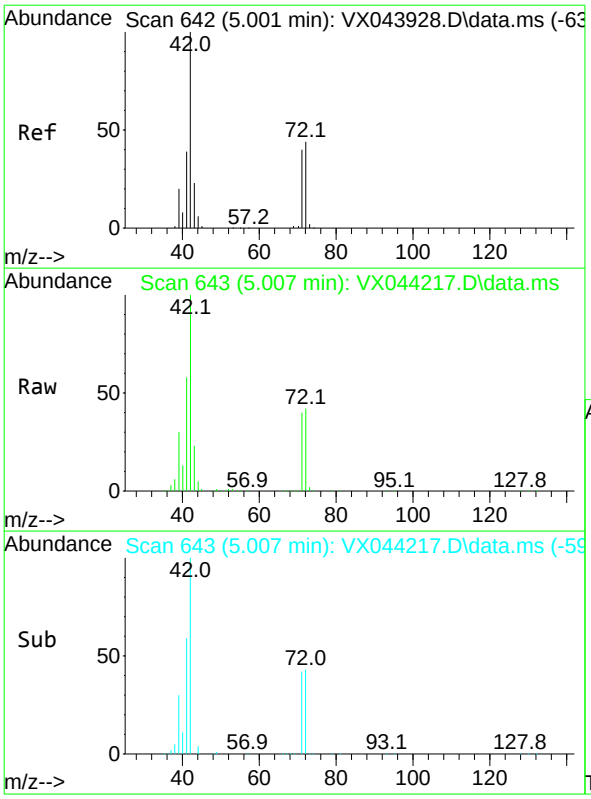


#28
Bromochloromethane
Concen: 45.353 ug/l
RT: 4.897 min Scan# 625
Delta R.T. 0.012 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 49 Resp: 58950

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.0
130	74.3	59.0	88.6





#29
Tetrahydrofuran
Concen: 269.350 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

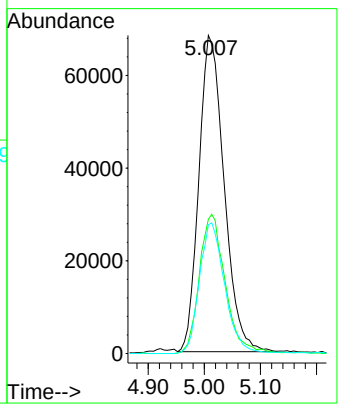
Tgt Ion: 42 Resp: 213397

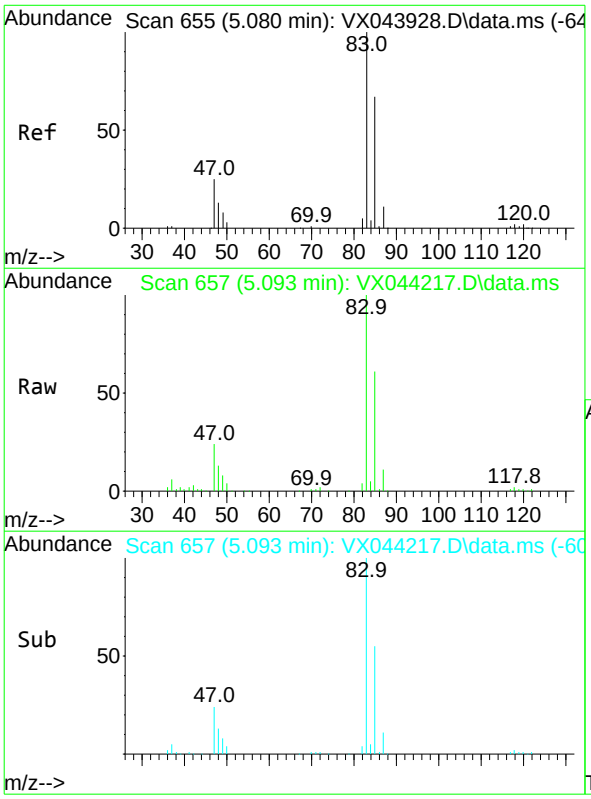
Ion	Ratio	Lower	Upper
42	100		
72	45.1	36.4	54.6
71	41.3	33.4	50.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

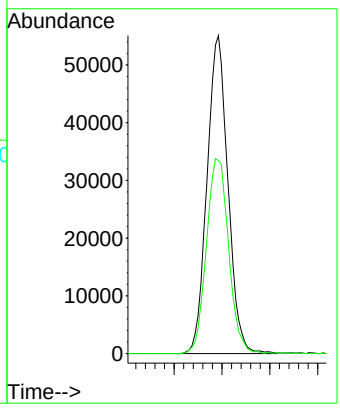


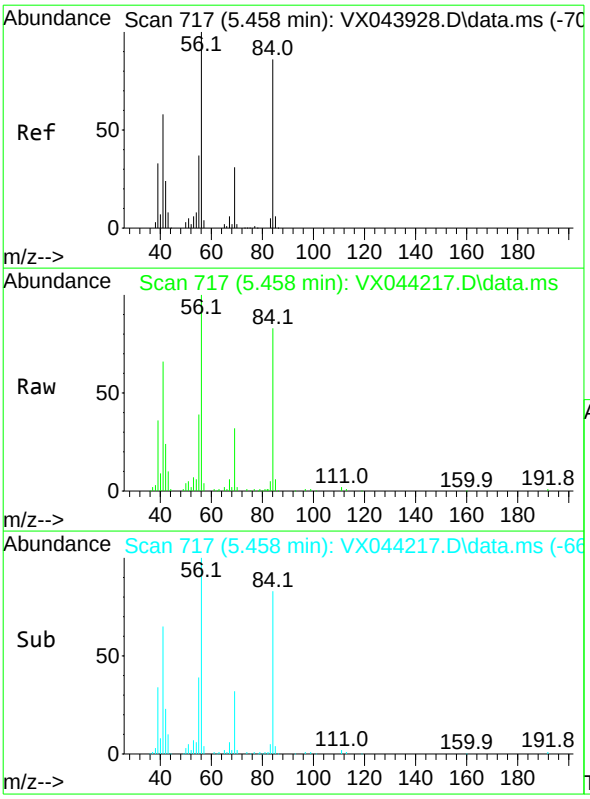


#30
Chloroform
Concen: 52.620 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.012 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 83 Resp: 167120

Ion	Ratio	Lower	Upper
83	100		
85	60.7	53.5	80.3





#31
Cyclohexane
Concen: 44.572 ug/l
RT: 5.458 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

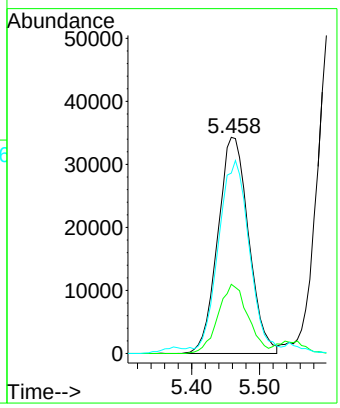
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

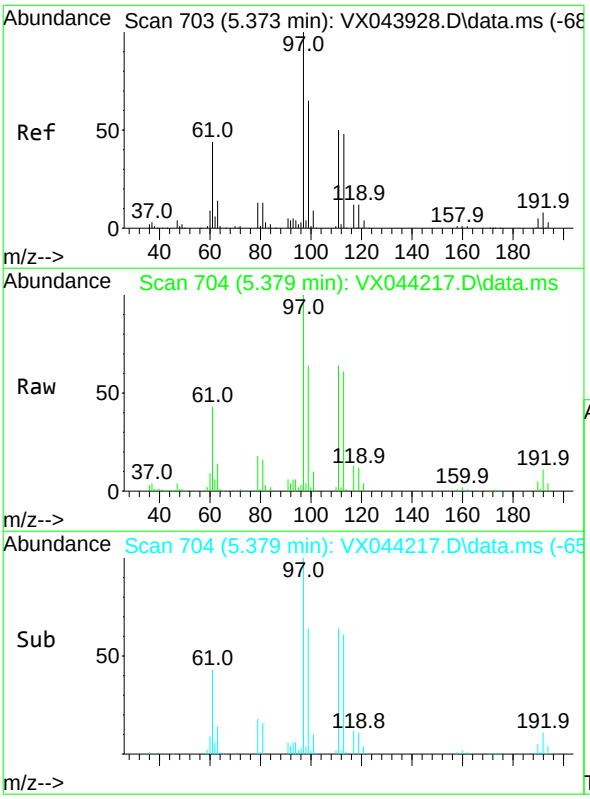
Tgt Ion: 56 Resp: 108328

Ion	Ratio	Lower	Upper
56	100		
69	32.0	24.7	37.1
84	80.8	68.7	103.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

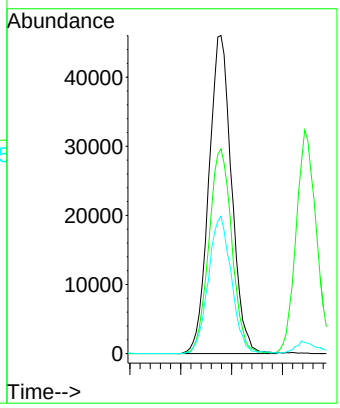


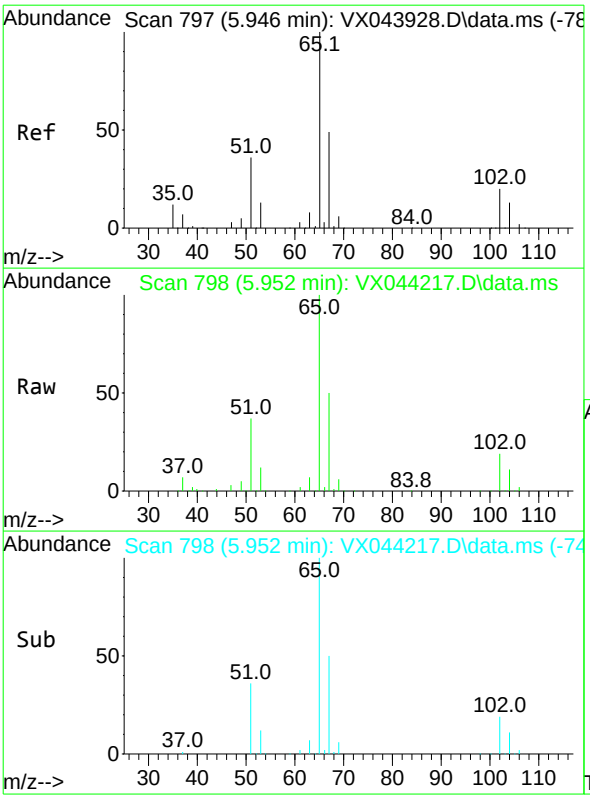


#32
1,1,1-Trichloroethane
Concen: 52.251 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 97 Resp: 143108

Ion	Ratio	Lower	Upper
97	100		
99	64.9	50.8	76.2
61	43.5	35.4	53.2

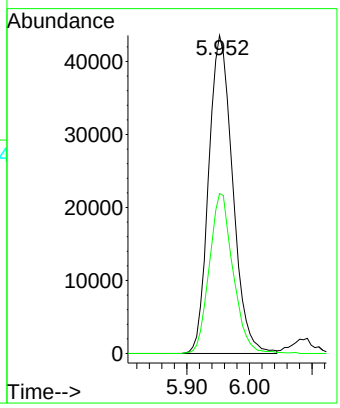




#33
1,2-Dichloroethane-d4
Concen: 53.240 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 65 Resp: 116097

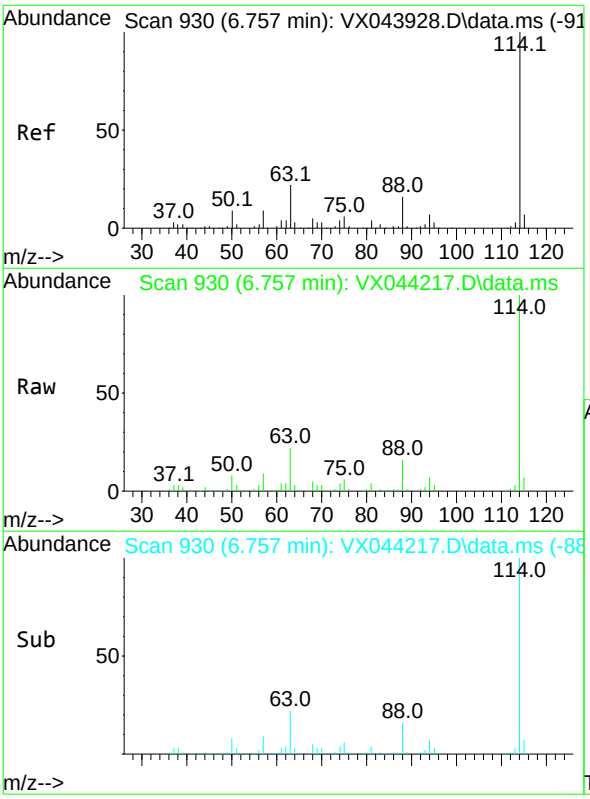
Ion	Ratio	Lower	Upper
65	100		
67	49.7	0.0	100.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

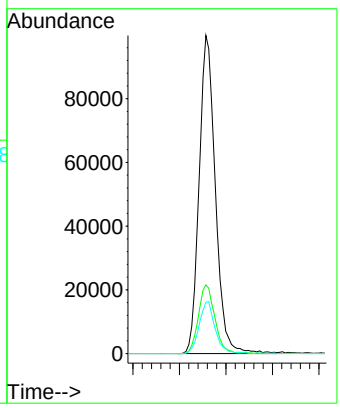
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

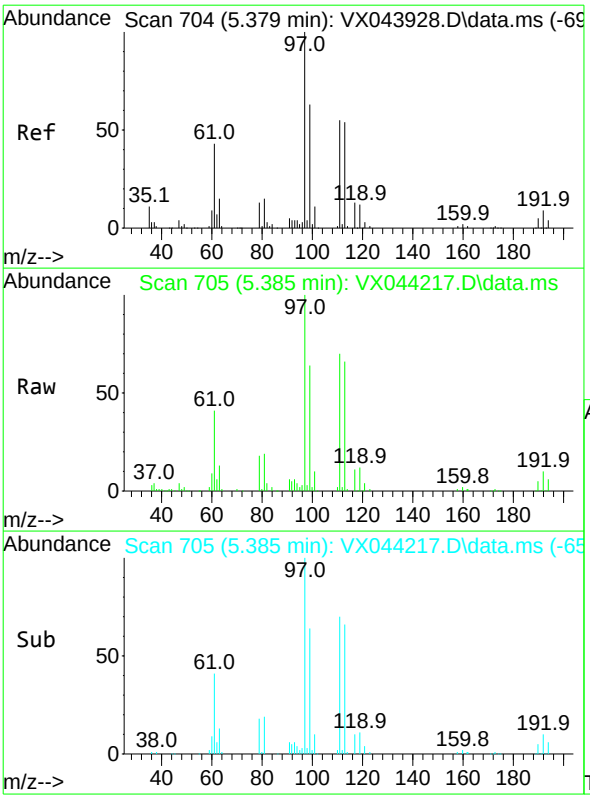


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion:114 Resp: 242423

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	44.0
88	16.1	0.0	32.4





#35
Dibromofluoromethane
Concen: 49.124 ug/l
RT: 5.385 min Scan# 70
Delta R.T. 0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

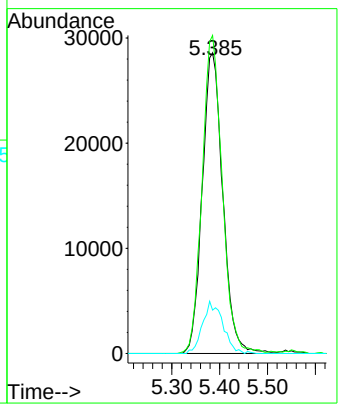
Tgt Ion:113 Resp: 85094

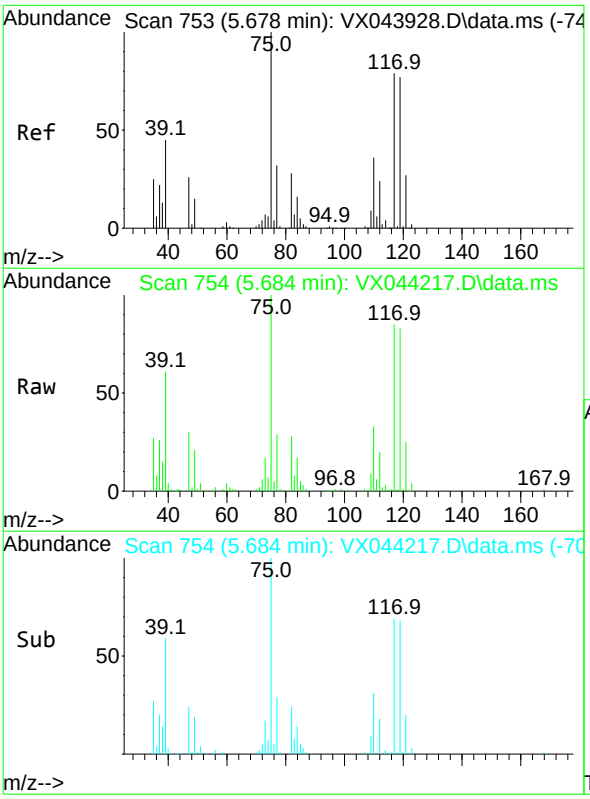
Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.0	121.4
192	17.0	13.0	19.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

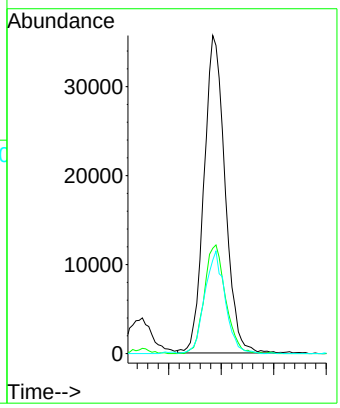


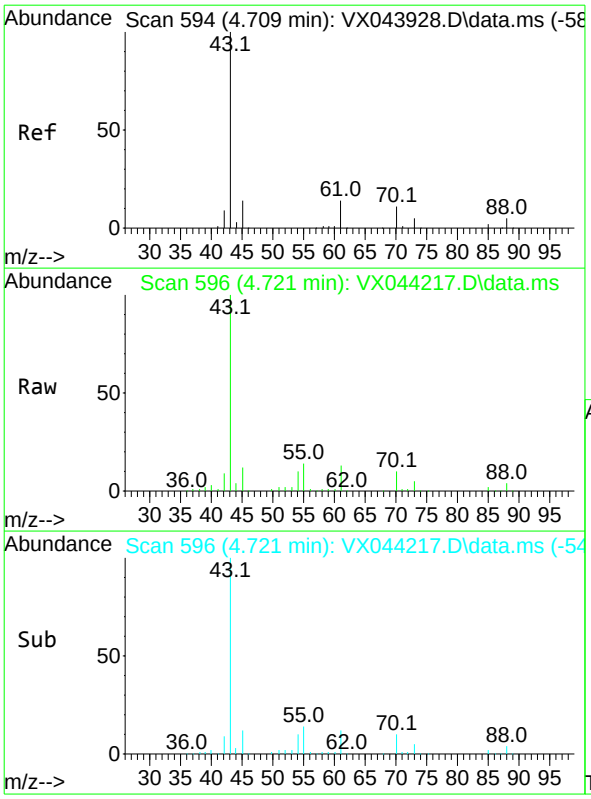


#36
1,1-Dichloropropene
Concen: 45.995 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 75 Resp: 99283

Ion	Ratio	Lower	Upper
75	100		
110	34.8	17.4	52.2
77	31.5	25.8	38.8





#37
Ethyl Acetate
Concen: 49.549 ug/l
RT: 4.721 min Scan# 59
Delta R.T. 0.012 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

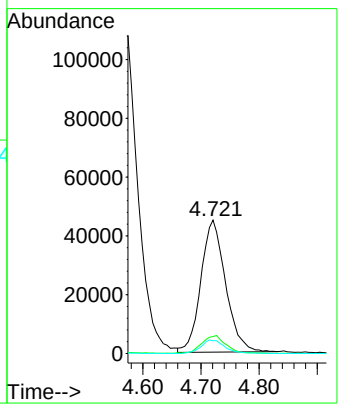
Tgt Ion: 43 Resp: 132767

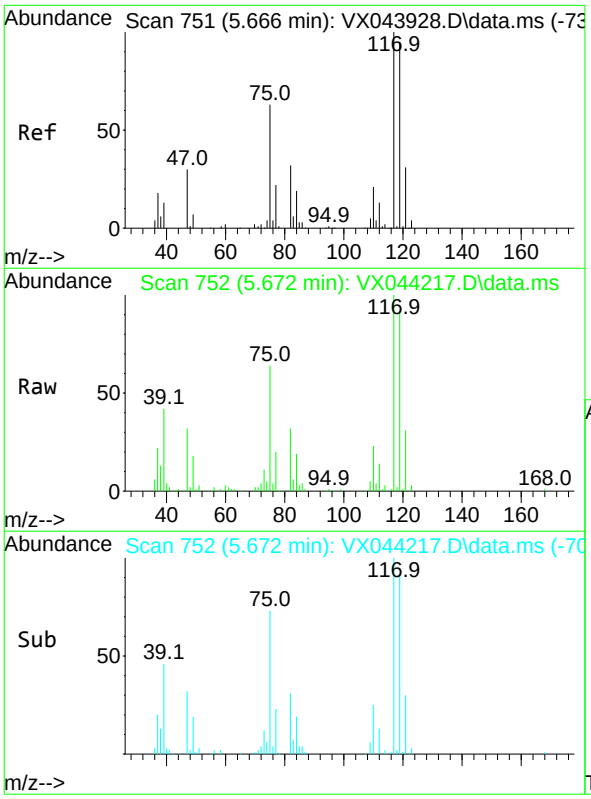
Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.7	16.1
70	9.8	8.0	12.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

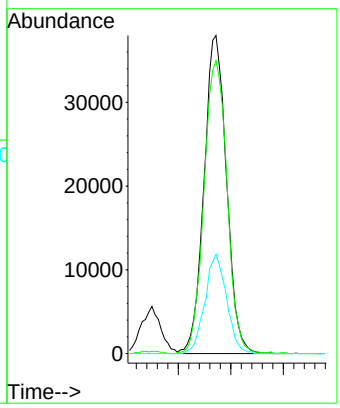


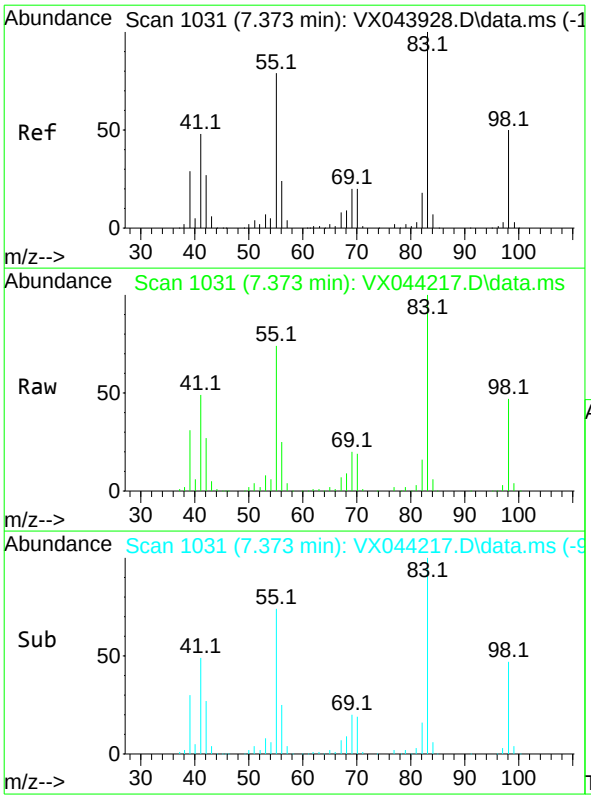


#38
Carbon Tetrachloride
Concen: 46.595 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion:117 Resp: 113013

Ion	Ratio	Lower	Upper
117	100		
119	92.1	75.2	112.8
121	31.2	24.5	36.7

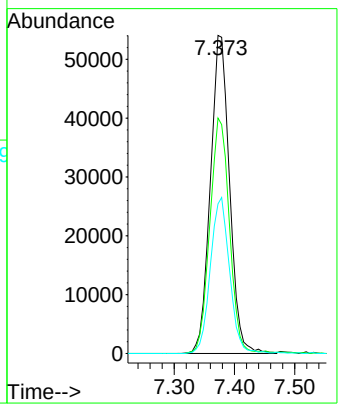




#39
Methylcyclohexane
Concen: 42.624 ug/l
RT: 7.373 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 83 Resp: 119528

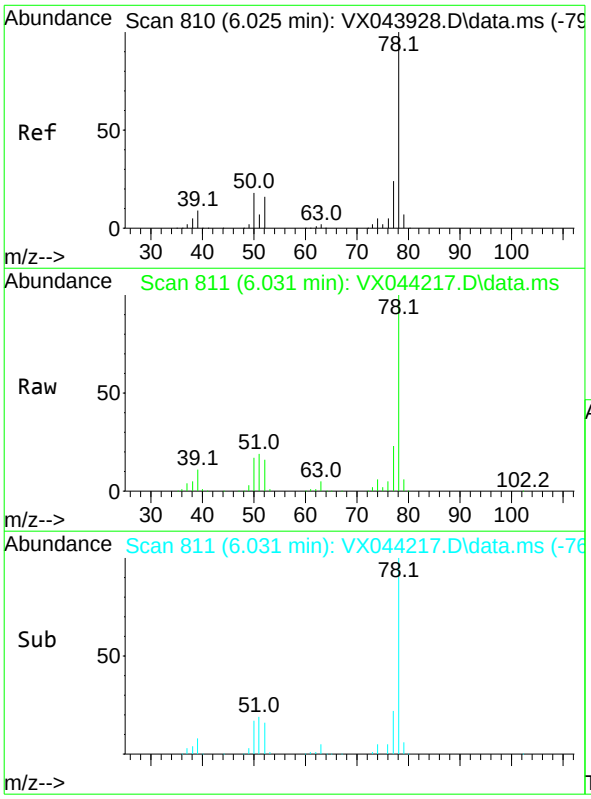
Ion	Ratio	Lower	Upper
83	100		
55	74.0	63.1	94.7
98	47.0	40.0	60.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

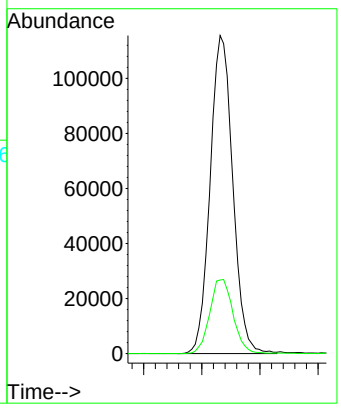
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

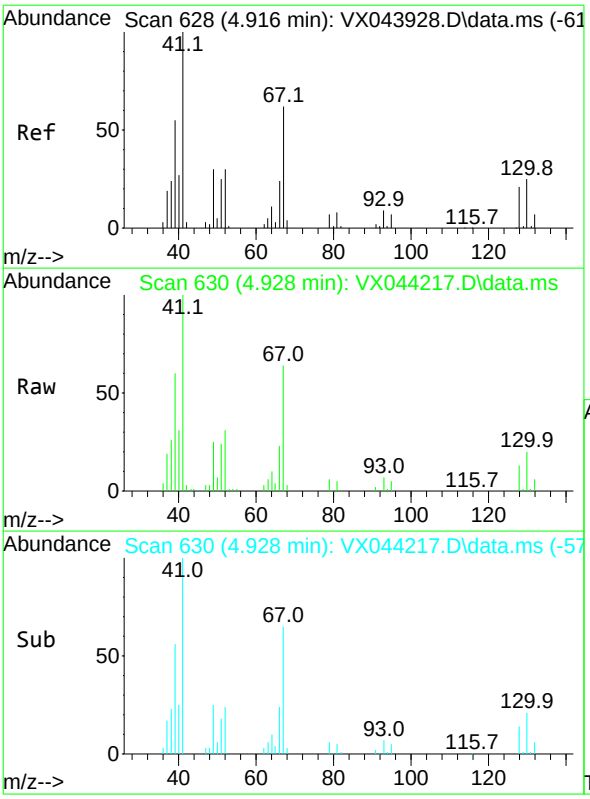


#40
Benzene
Concen: 46.428 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 78 Resp: 312174

Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.2	28.8

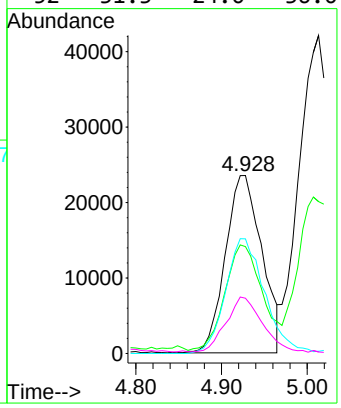




#41
Methacrylonitrile
Concen: 50.743 ug/l
RT: 4.928 min Scan# 63
Delta R.T. 0.012 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 41 Resp: 69589

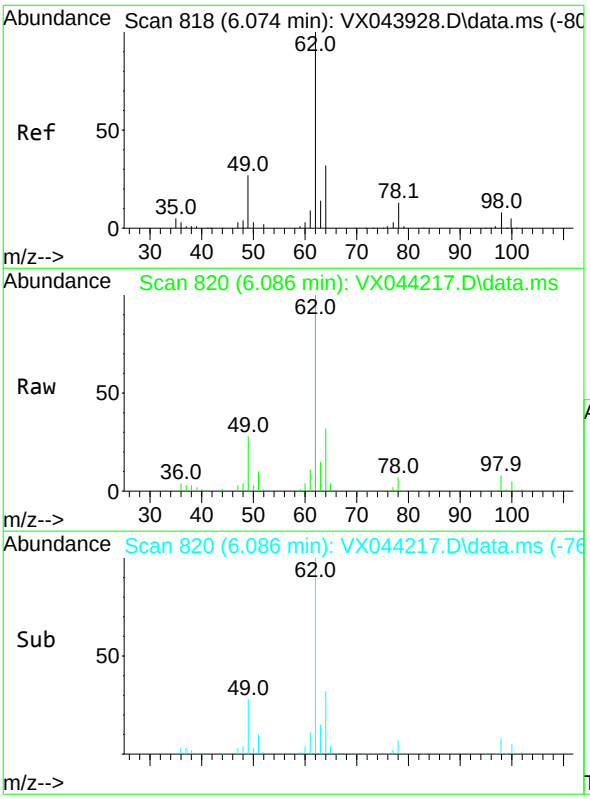
Ion	Ratio	Lower	Upper
41	100		
39	61.3	41.7	62.5
67	69.5	55.8	83.8
52	31.3	24.0	36.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

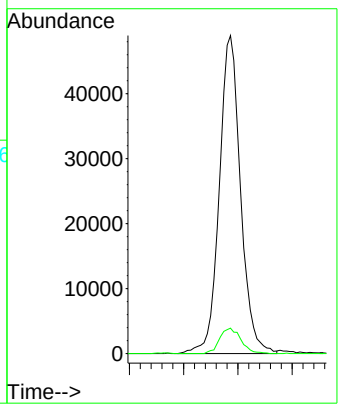
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

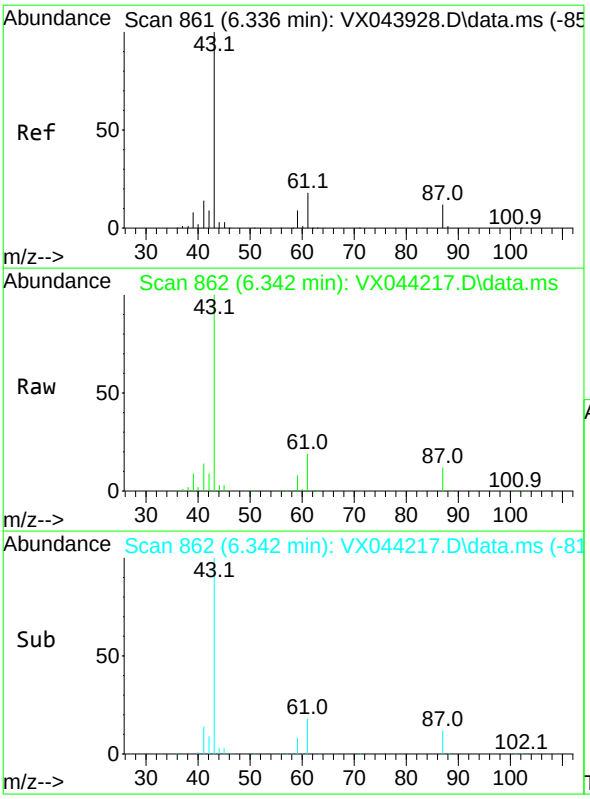


#42
1,2-Dichloroethane
Concen: 49.283 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.012 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 62 Resp: 133086

Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	16.4

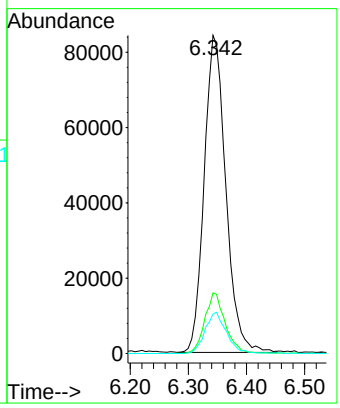




#43
Isopropyl Acetate
Concen: 51.122 ug/l
RT: 6.342 min Scan# 86
Delta R.T. 0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 43 Resp: 217997

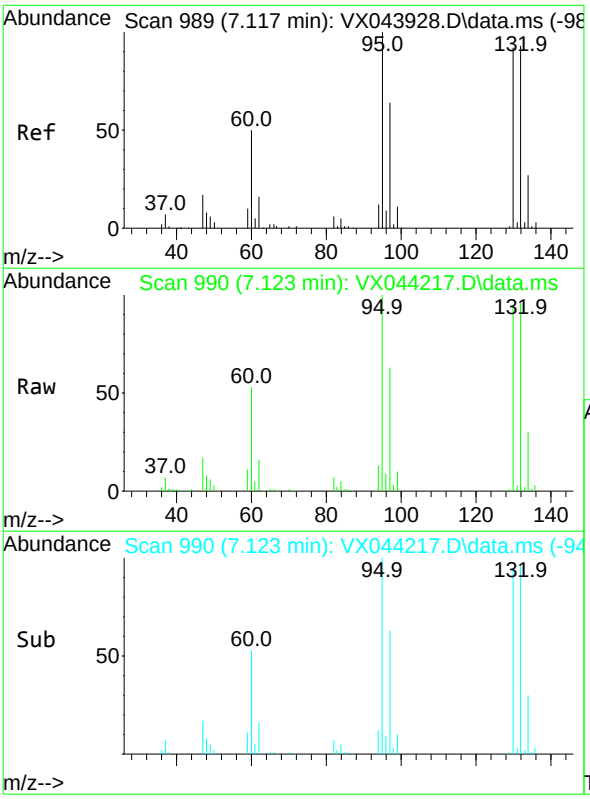
Ion	Ratio	Lower	Upper
43	100		
61	18.1	14.5	21.7
87	12.8	10.2	15.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

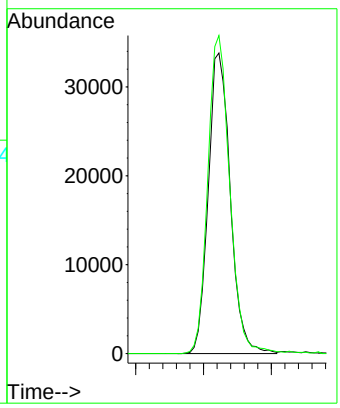
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

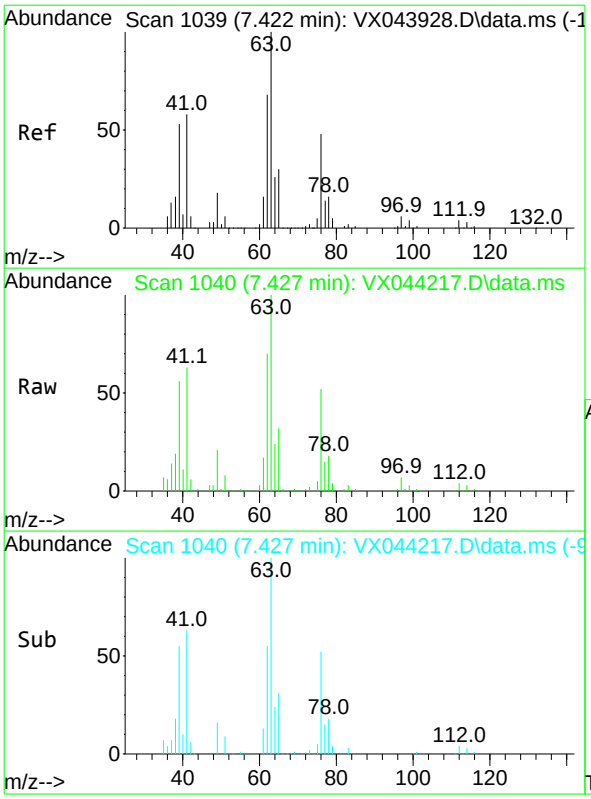


#44
Trichloroethene
Concen: 40.071 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion:130 Resp: 76272

Ion	Ratio	Lower	Upper
130	100		
95	105.8	0.0	217.8

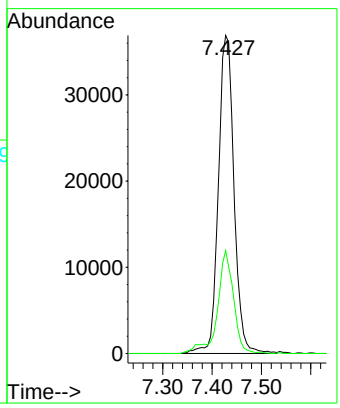




#45
1,2-Dichloropropane
Concen: 49.418 ug/l
RT: 7.427 min Scan# 10
Delta R.T. 0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 63 Resp: 81383

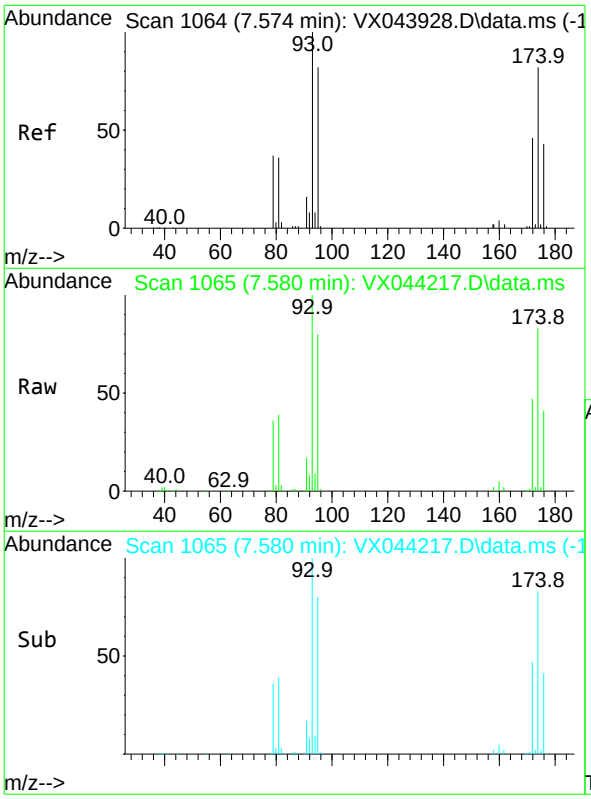
Ion	Ratio	Lower	Upper
63	100		
65	32.3	23.8	35.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

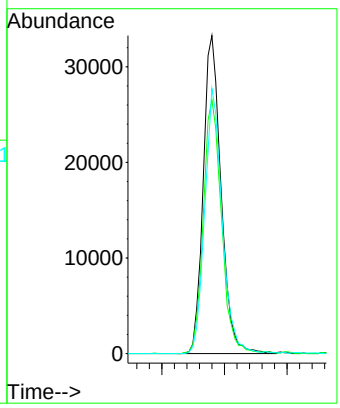
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

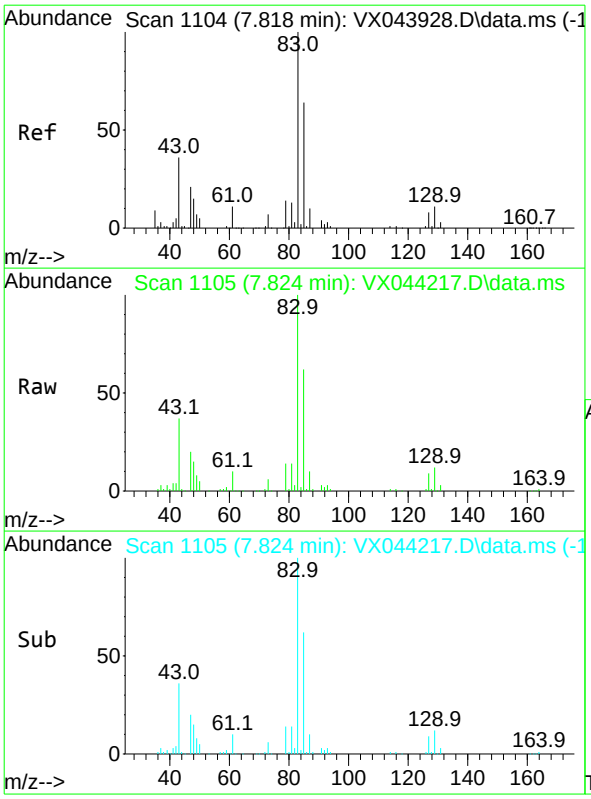


#46
Dibromomethane
Concen: 50.501 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 93 Resp: 65788

Ion	Ratio	Lower	Upper
93	100		
95	81.5	66.2	99.4
174	81.5	69.6	104.4

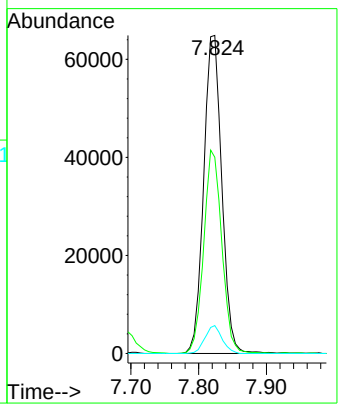




#47
Bromodichloromethane
Concen: 51.522 ug/l
RT: 7.824 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 83 Resp: 120375

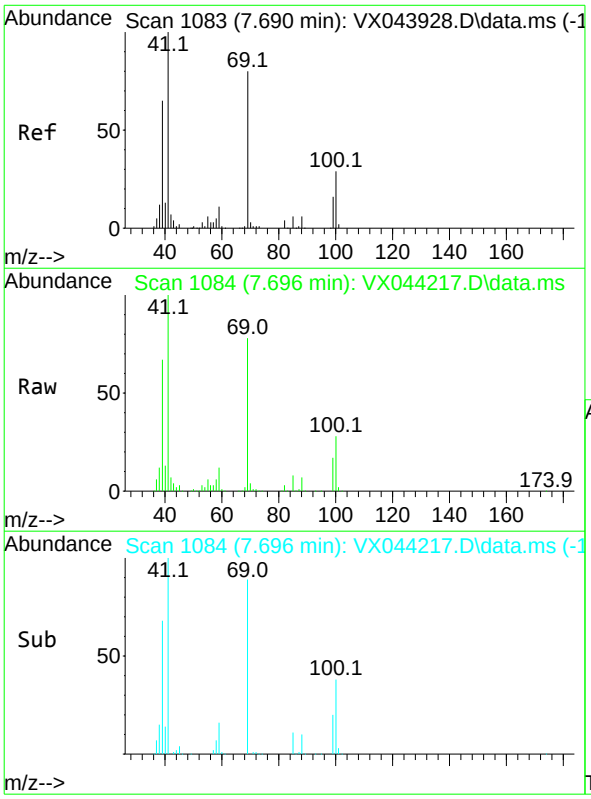
Ion	Ratio	Lower	Upper
83	100		
85	61.7	51.4	77.0
127	8.8	6.6	10.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

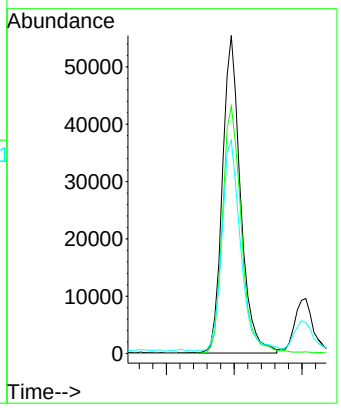
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

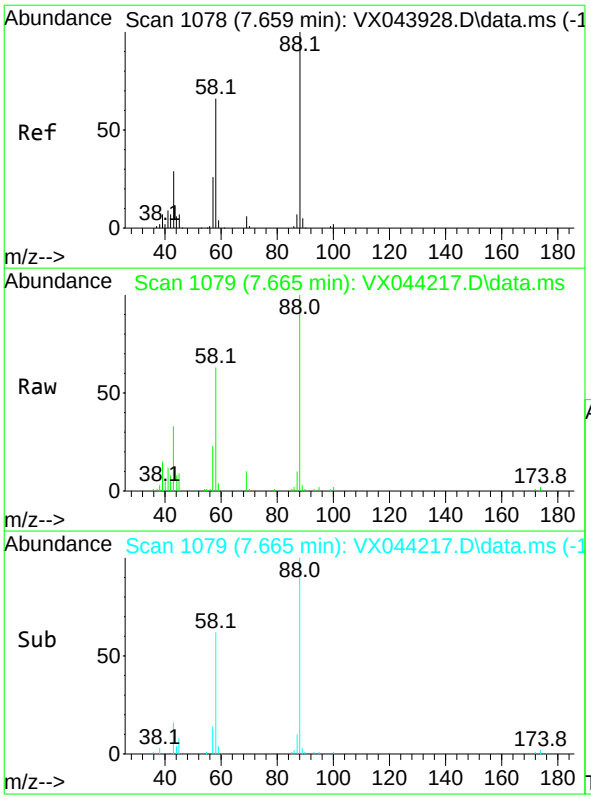


#48
Methyl methacrylate
Concen: 50.075 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 41 Resp: 102462

Ion	Ratio	Lower	Upper
41	100		
69	81.8	64.6	97.0
39	68.8	53.3	79.9

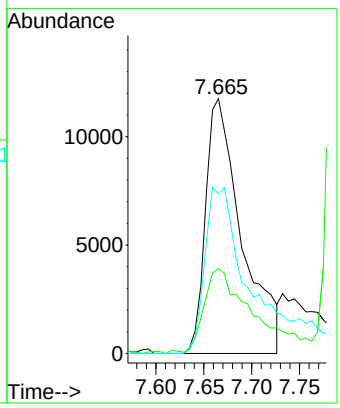




#49
1,4-Dioxane
Concen: 846.622 ug/l
RT: 7.665 min Scan# 10
Delta R.T. 0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 88 Resp: 30858

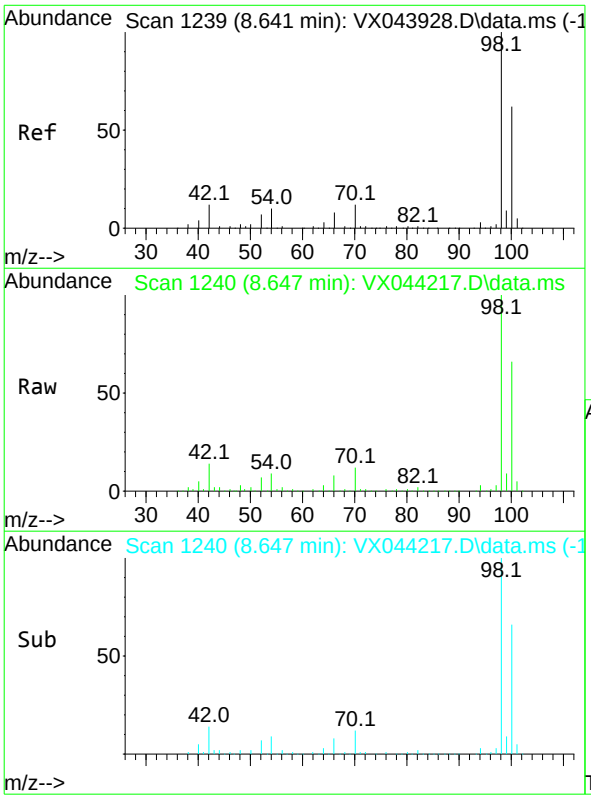
Ion	Ratio	Lower	Upper
88	100		
43	46.1	26.8	40.2#
58	86.7	45.4	68.2#



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

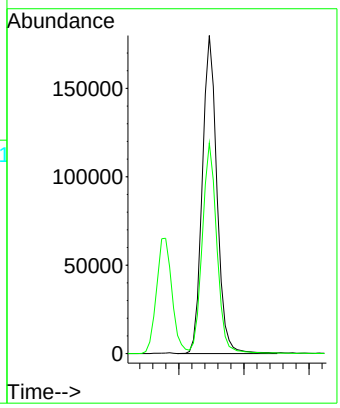
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

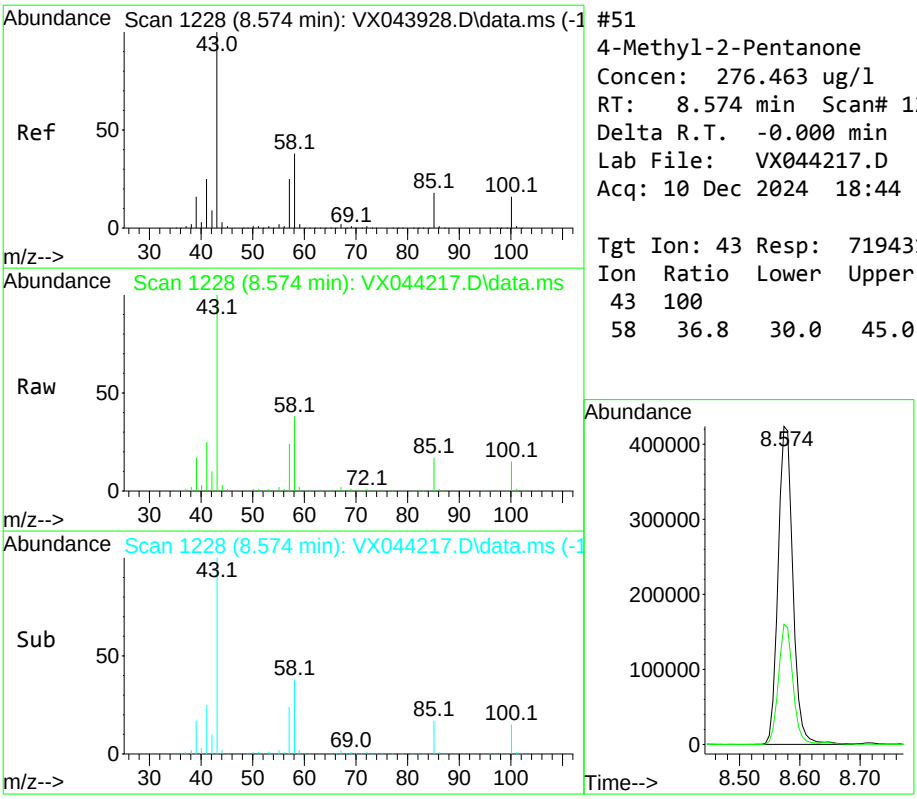


#50
Toluene-d8
Concen: 47.129 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 98 Resp: 281415

Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.6	79.0





#51
4-Methyl-2-Pentanone
Concen: 276.463 ug/l
RT: 8.574 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

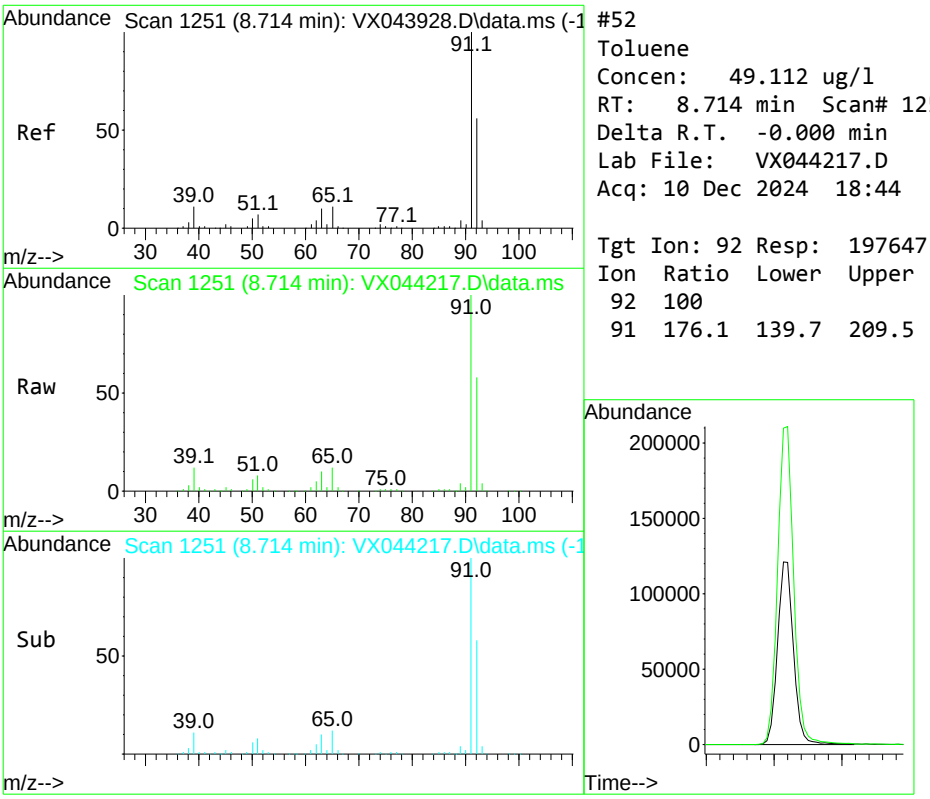
Tgt Ion: 43 Resp: 719431

Ion	Ratio	Lower	Upper
43	100		
58	36.8	30.0	45.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

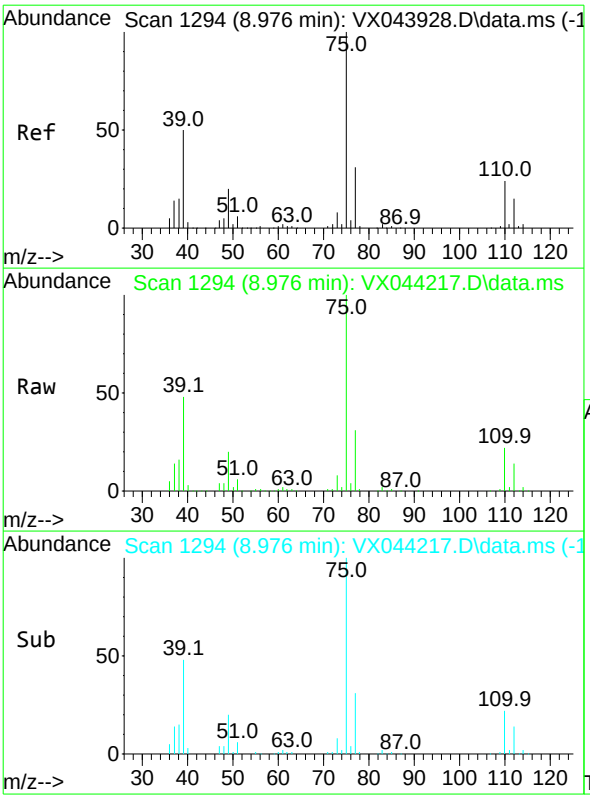
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024



#52
Toluene
Concen: 49.112 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 92 Resp: 197647

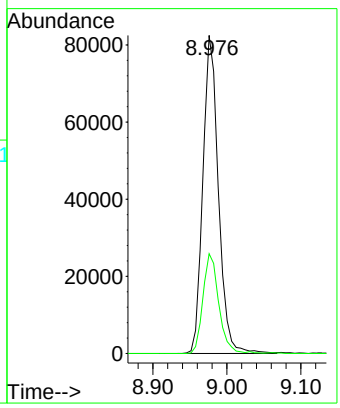
Ion	Ratio	Lower	Upper
92	100		
91	176.1	139.7	209.5



#53
t-1,3-Dichloropropene
Concen: 50.525 ug/l
RT: 8.976 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 75 Resp: 120376

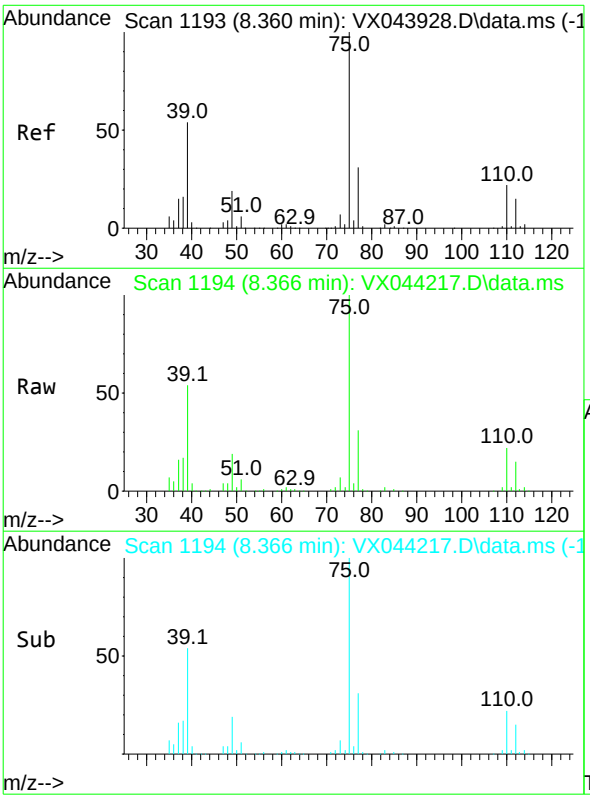
Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

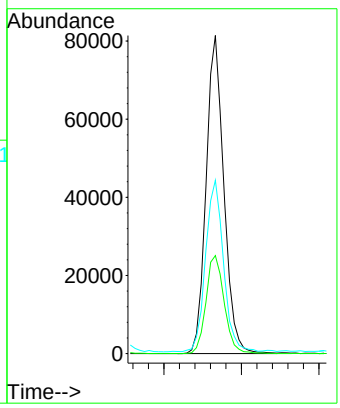
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

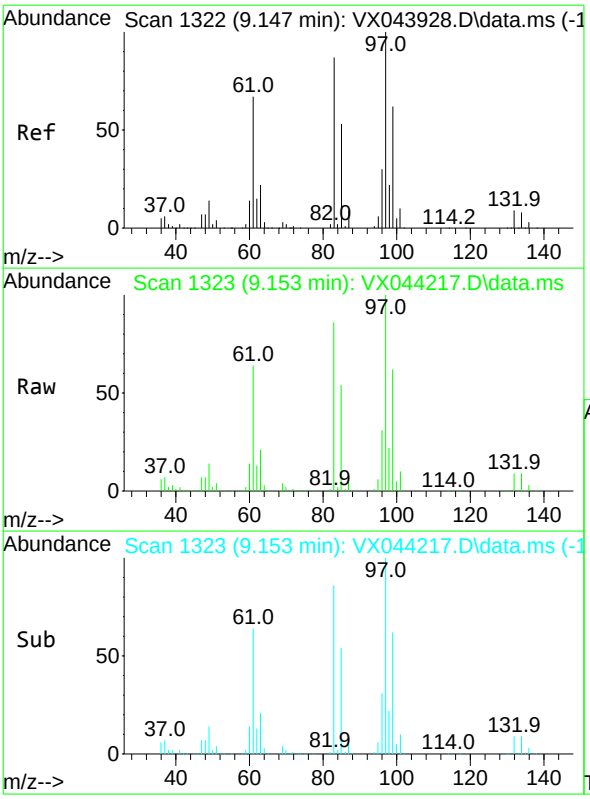


#54
cis-1,3-Dichloropropene
Concen: 49.583 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 75 Resp: 129505

Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.2	37.8
39	53.8	43.1	64.7





#55
1,1,2-Trichloroethane
Concen: 51.024 ug/l
RT: 9.153 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

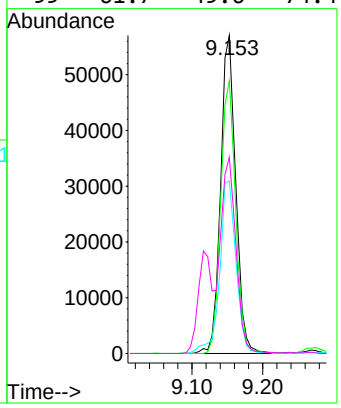
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

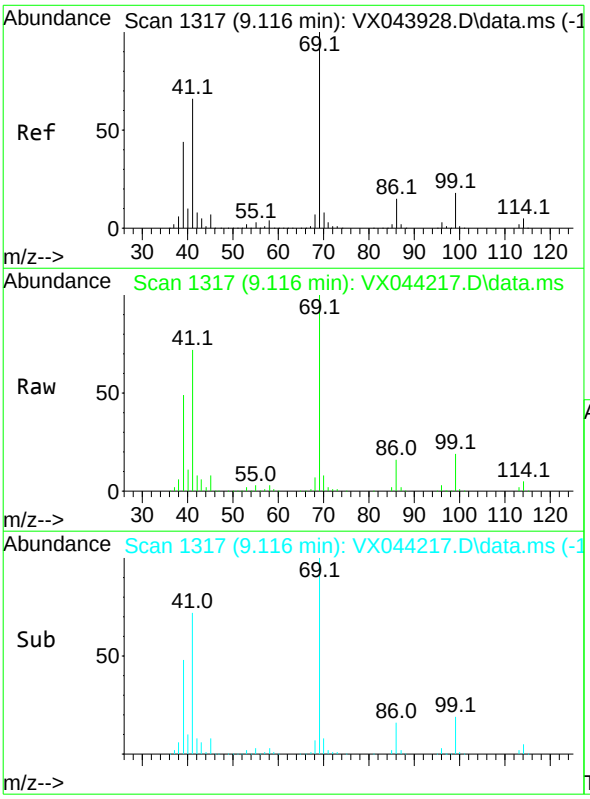
Tgt Ion: 97 Resp: 84764

Ion	Ratio	Lower	Upper
97	100		
83	85.7	69.4	104.0
85	54.2	42.3	63.5
99	61.7	49.6	74.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

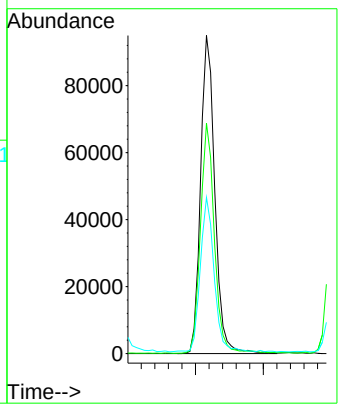


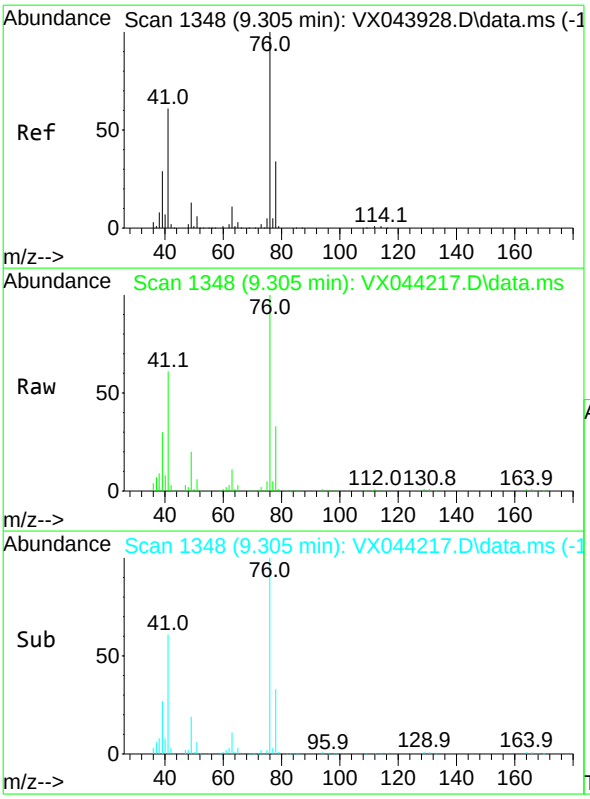


#56
Ethyl methacrylate
Concen: 53.395 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 69 Resp: 138164

Ion	Ratio	Lower	Upper
69	100		
41	71.2	55.8	83.8
39	47.1	36.7	55.1





#57
1,3-Dichloropropane
Concen: 50.557 ug/l
RT: 9.305 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

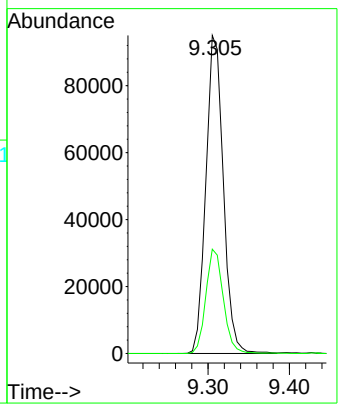
Tgt Ion: 76 Resp: 141482

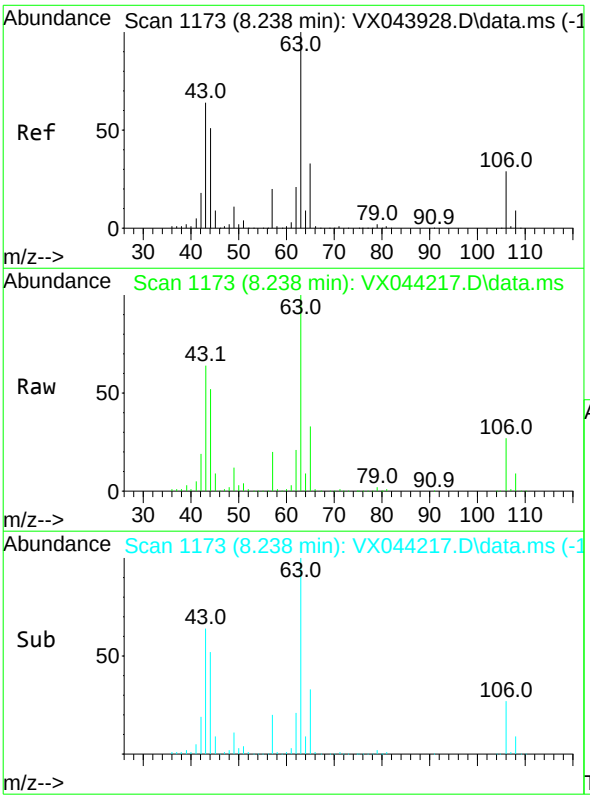
Ion	Ratio	Lower	Upper
76	100		
78	32.9	26.0	39.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

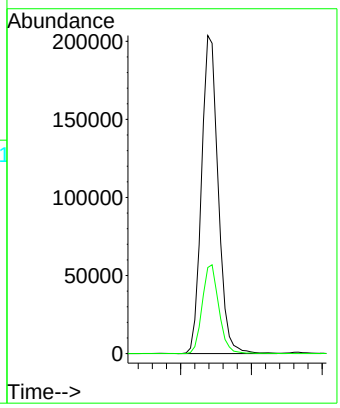


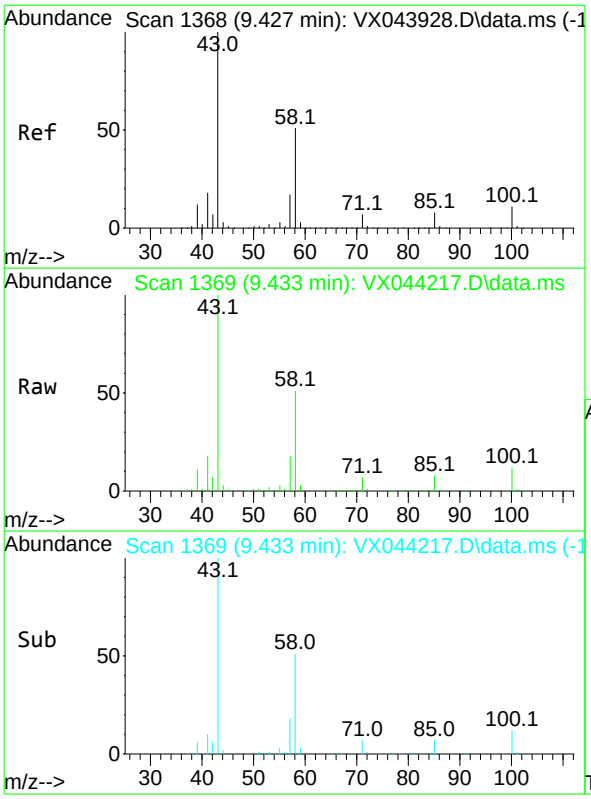


#58
2-Chloroethyl Vinyl ether
Concen: 234.142 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 63 Resp: 332302

Ion	Ratio	Lower	Upper
63	100		
106	27.8	23.0	34.6





#59
2-Hexanone
Concen: 275.412 ug/l
RT: 9.433 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

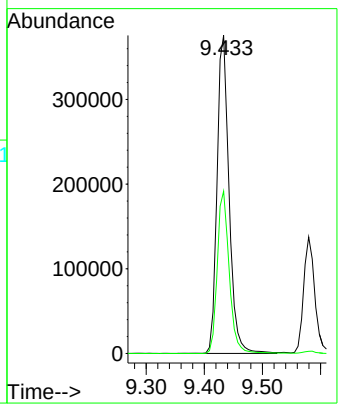
Tgt Ion: 43 Resp: 538686

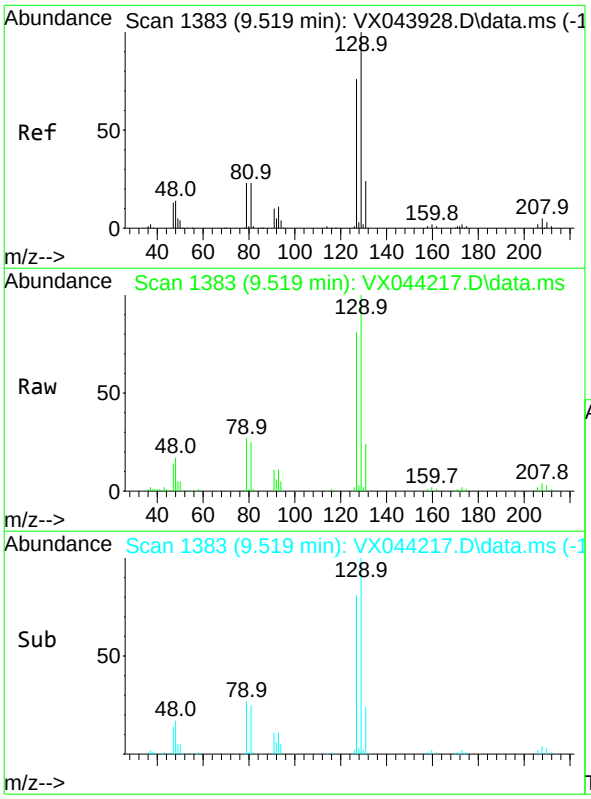
Ion	Ratio	Lower	Upper
43	100		
58	50.8	25.9	77.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

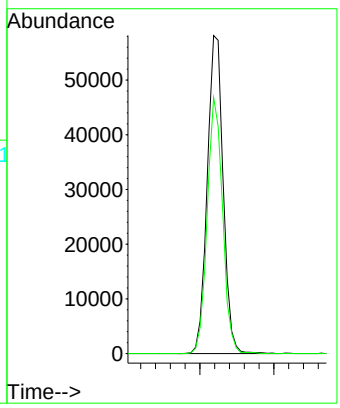


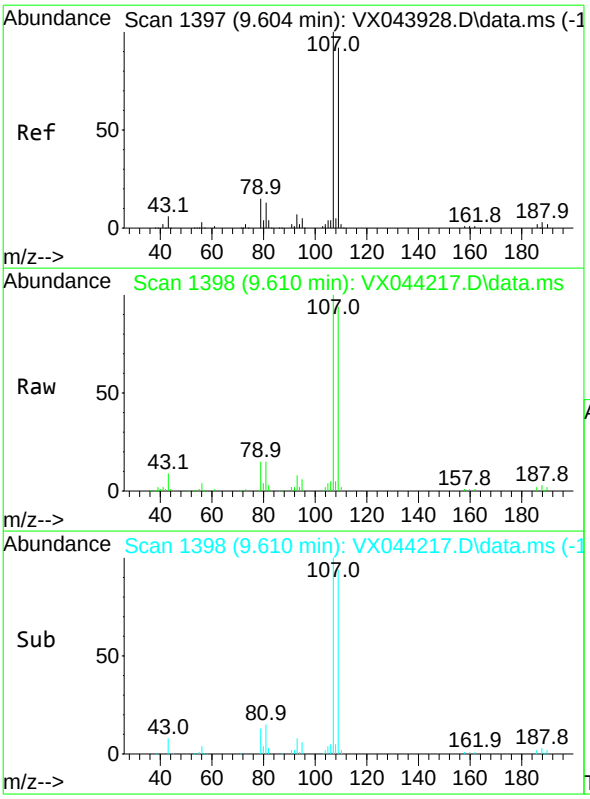


#60
Dibromochloromethane
Concen: 52.109 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion:129 Resp: 86855

Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.2	114.6





#61
1,2-Dibromoethane
Concen: 52.266 ug/l
RT: 9.610 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

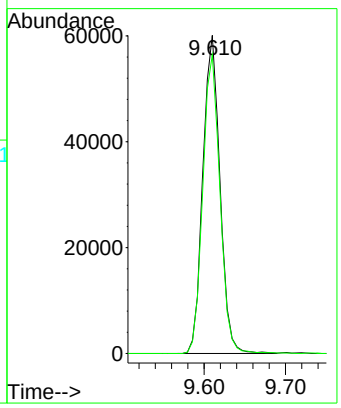
Tgt Ion:107 Resp: 87795

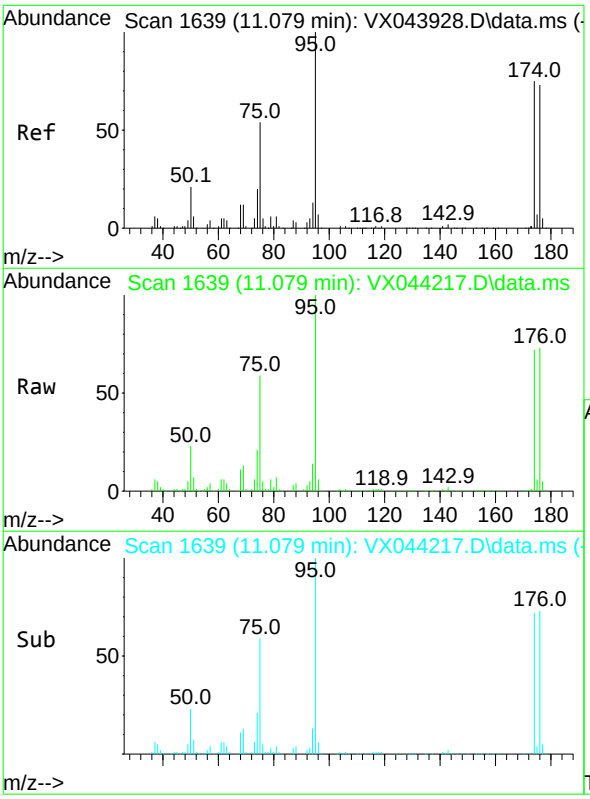
Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.2	112.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

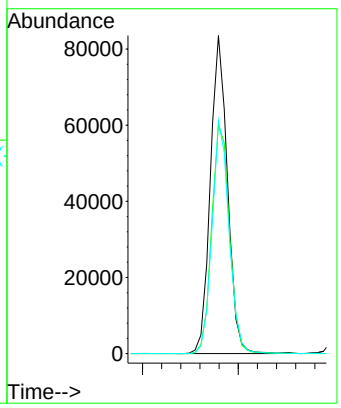


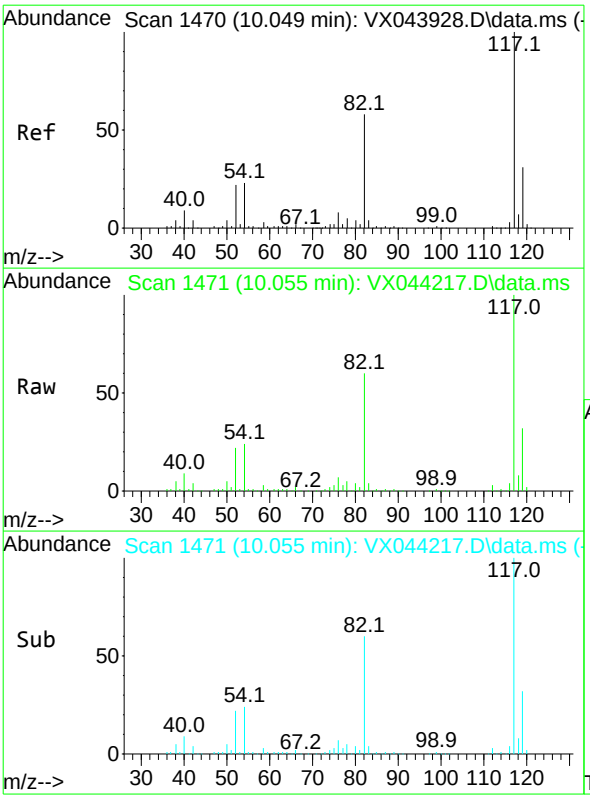


#62
4-Bromofluorobenzene
Concen: 51.003 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 95 Resp: 103646

Ion	Ratio	Lower	Upper
95	100		
174	74.8	0.0	150.4
176	72.8	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: VX044217.D
Acq: 10 Dec 2024 18:44

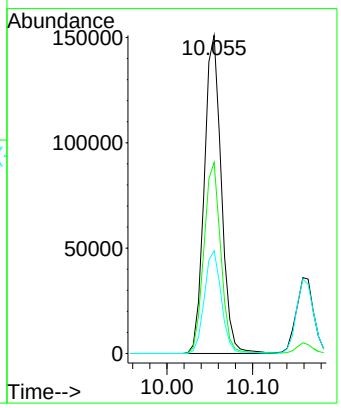
Tgt Ion:117 Resp: 208962

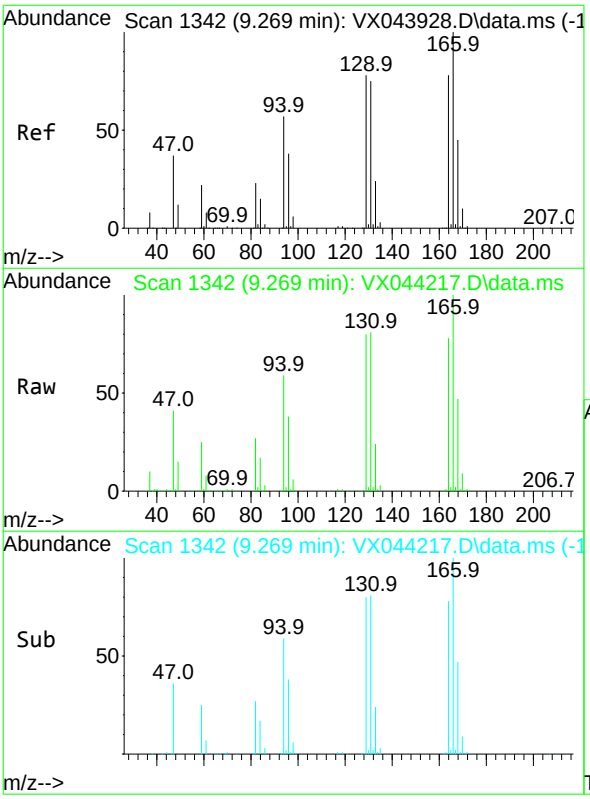
Ion	Ratio	Lower	Upper
117	100		
82	60.1	46.4	69.6
119	32.3	24.6	37.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

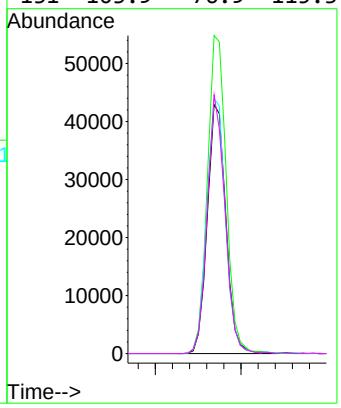


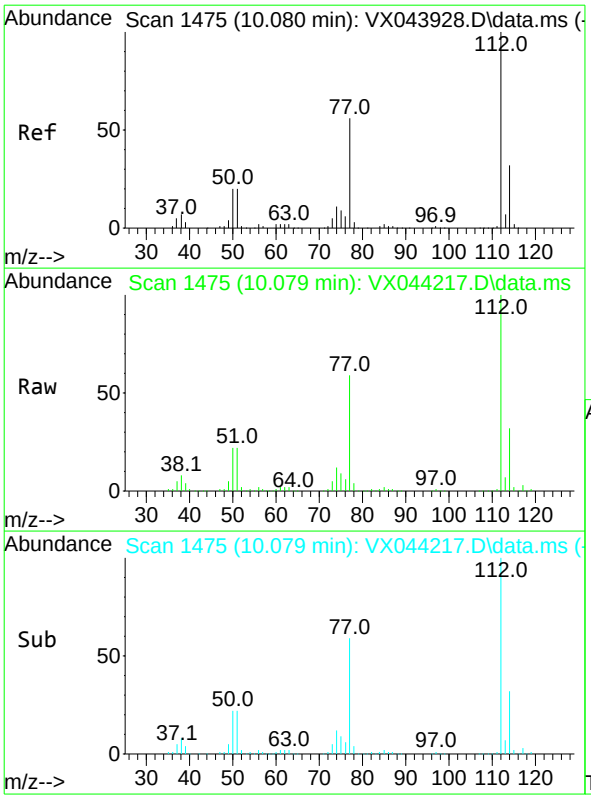


#64
Tetrachloroethene
Concen: 46.869 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion:164 Resp: 64579

Ion	Ratio	Lower	Upper
164	100		
166	127.8	102.1	153.1
129	102.4	79.6	119.4
131	103.9	76.9	115.3

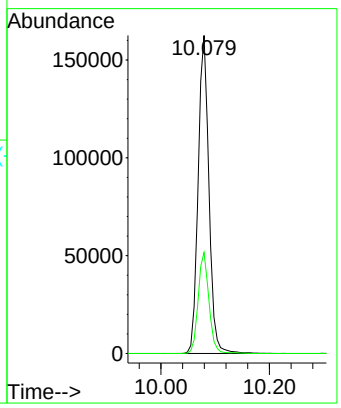




#65
Chlorobenzene
Concen: 48.841 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion:112 Resp: 224152

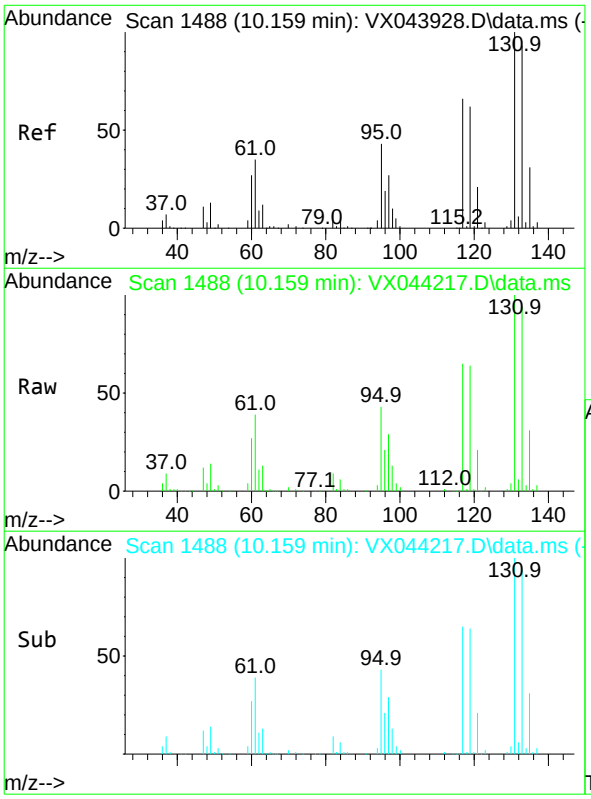
Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

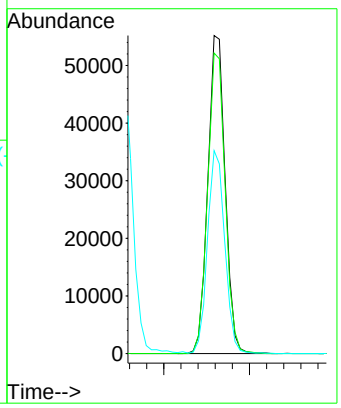
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

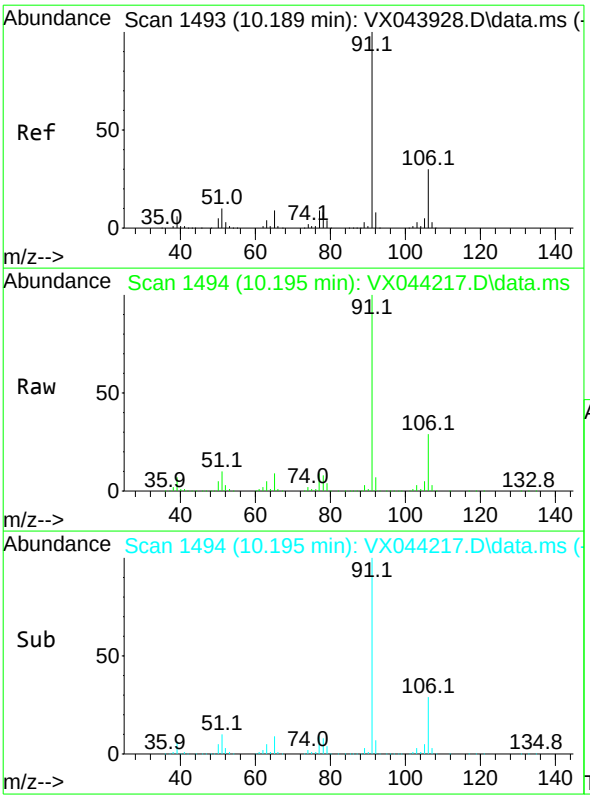


#66
1,1,1,2-Tetrachloroethane
Concen: 52.085 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion:131 Resp: 77524

Ion	Ratio	Lower	Upper
131	100		
133	95.6	48.2	144.6
119	63.5	31.5	94.5





#67
Ethyl Benzene
Concen: 50.145 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

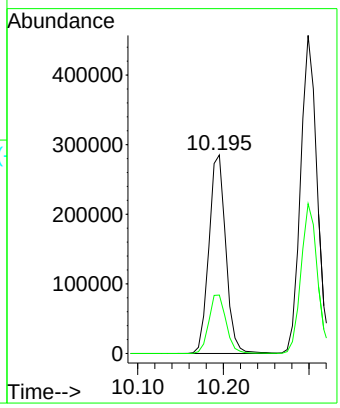
Tgt Ion: 91 Resp: 389963

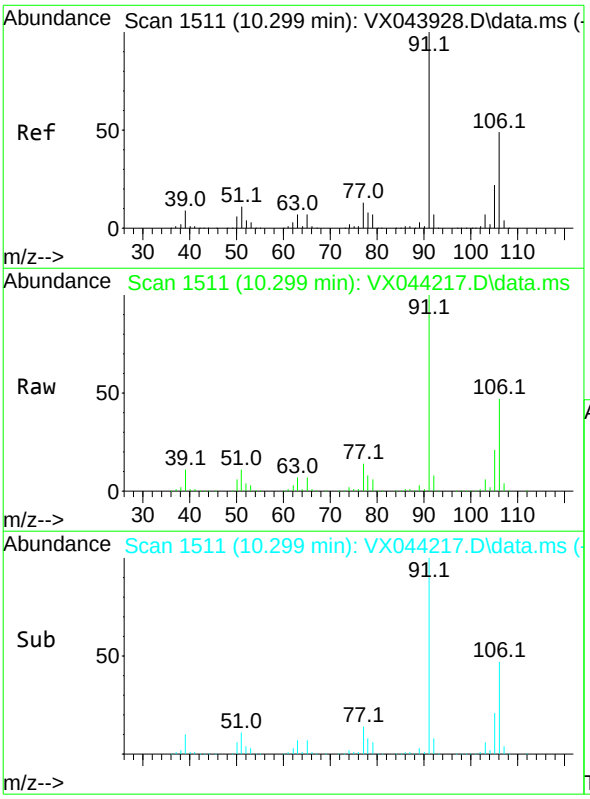
Ion	Ratio	Lower	Upper
91	100		
106	29.4	23.6	35.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

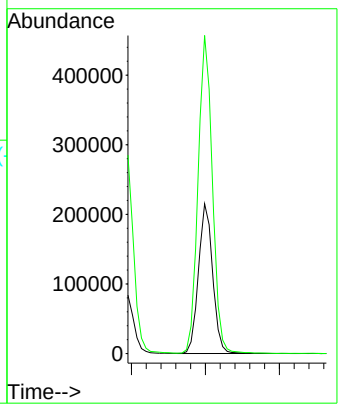


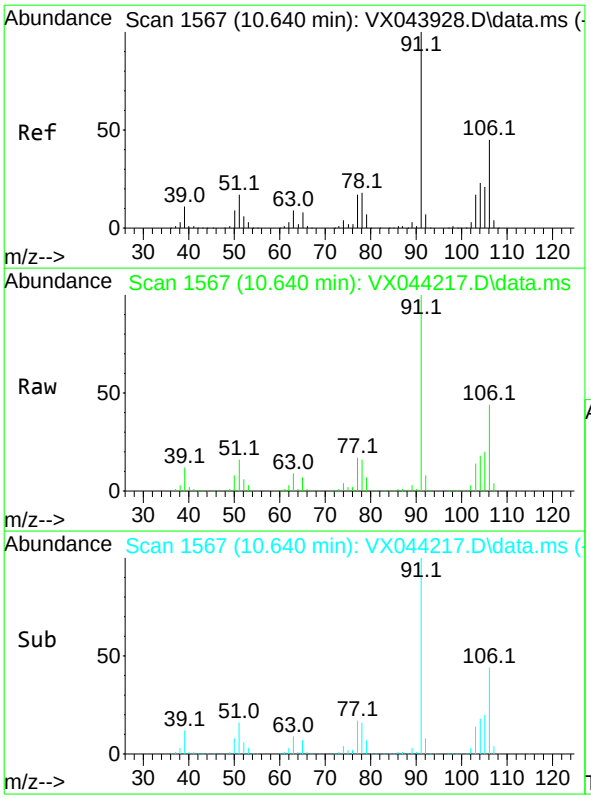


#68
m/p-Xylenes
Concen: 98.868 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion:106 Resp: 286729

Ion	Ratio	Lower	Upper
106	100		
91	213.9	168.1	252.1





#69
o-Xylene
Concen: 51.522 ug/l
RT: 10.640 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

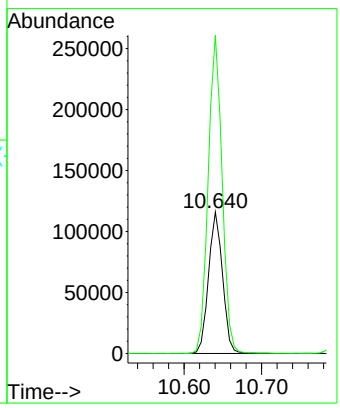
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

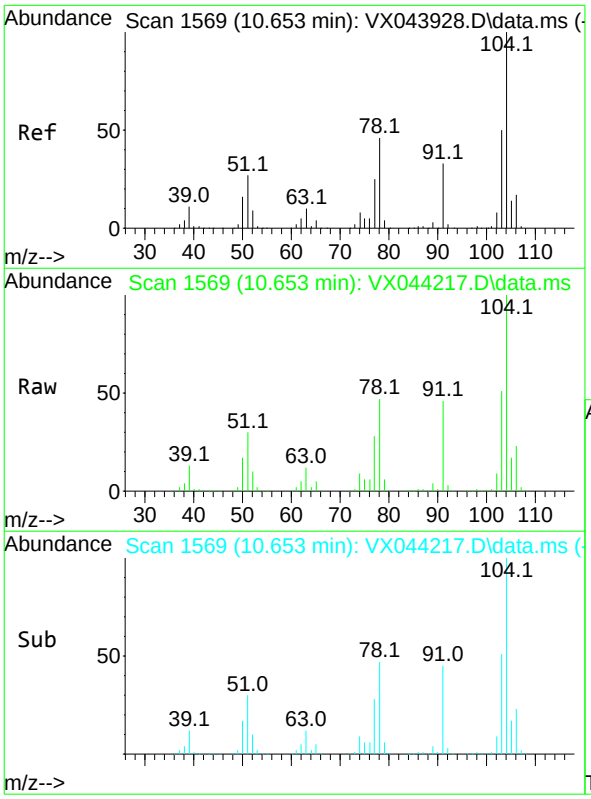
Tgt Ion:106 Resp: 145887

Ion	Ratio	Lower	Upper
106	100		
91	223.8	110.2	330.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

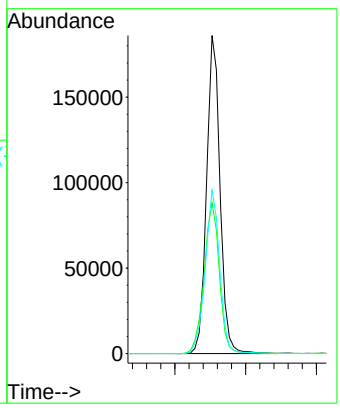


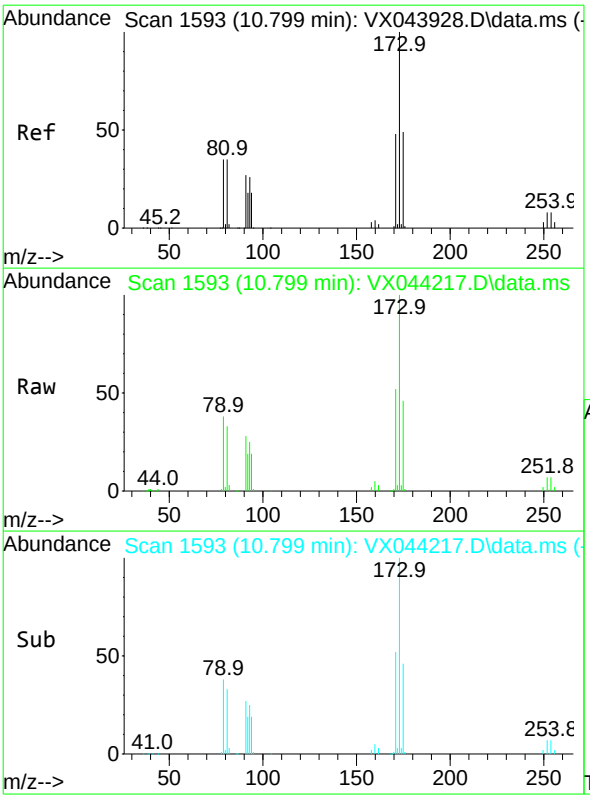


#70
Styrene
Concen: 52.487 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion:104 Resp: 245812

Ion	Ratio	Lower	Upper
104	100		
78	54.1	42.2	63.2
103	55.4	44.7	67.1





#71
Bromoform
Concen: 47.096 ug/l
RT: 10.799 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

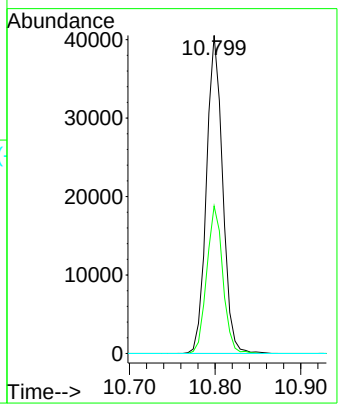
Tgt Ion:173 Resp: 53014

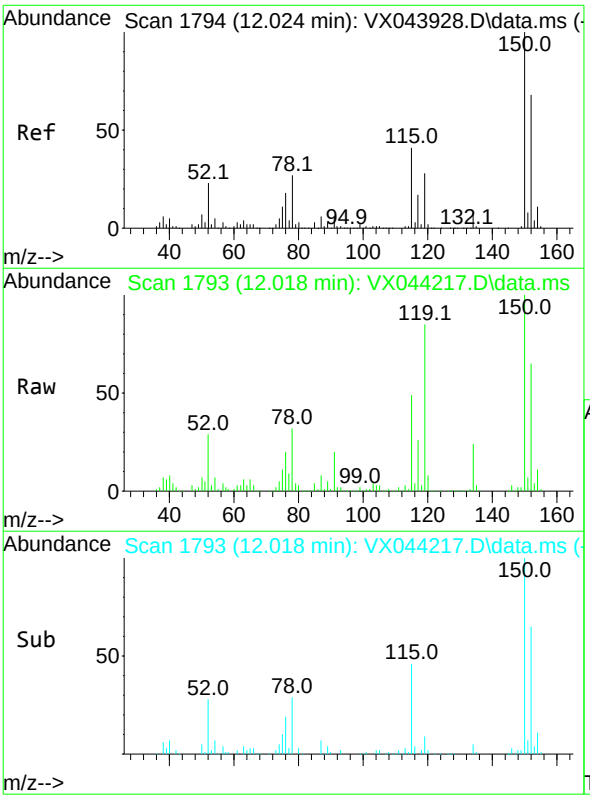
Ion	Ratio	Lower	Upper
173	100		
175	46.2	24.1	72.2
254	0.0	0.0	0.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

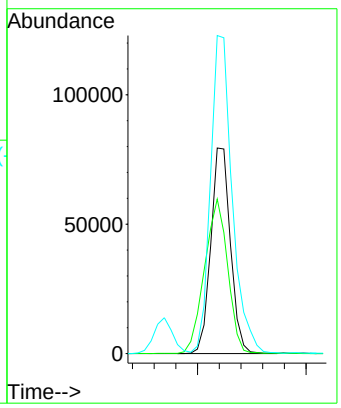


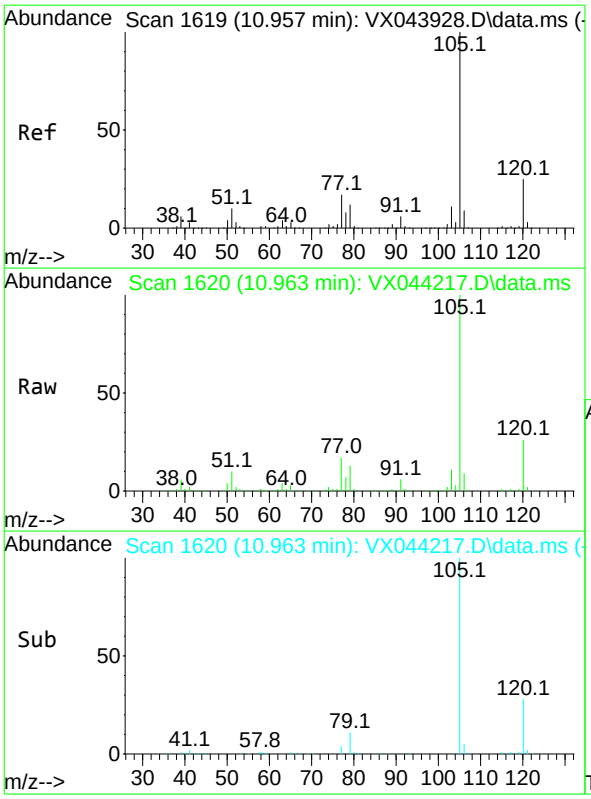


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion:152 Resp: 99884

Ion	Ratio	Lower	Upper
152	100		
115	88.9	45.4	136.2
150	171.0	0.0	353.0

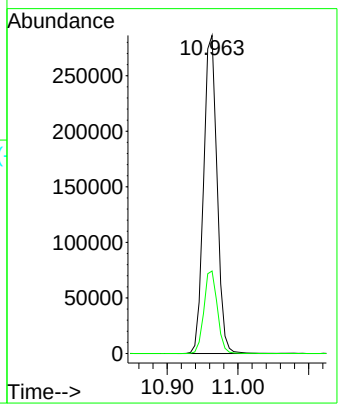




#73
Isopropylbenzene
Concen: 49.169 ug/l
RT: 10.963 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion:105 Resp: 377517

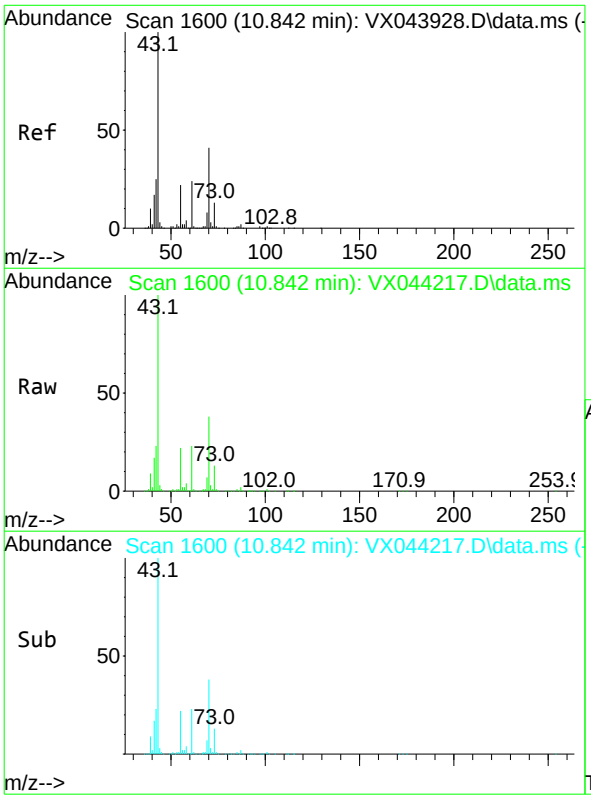
Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.0	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

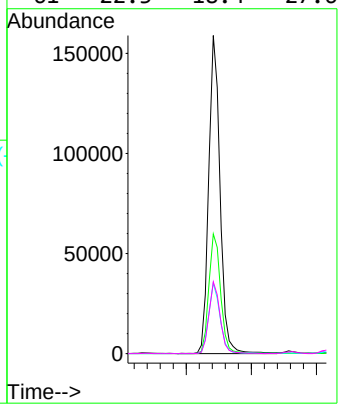
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

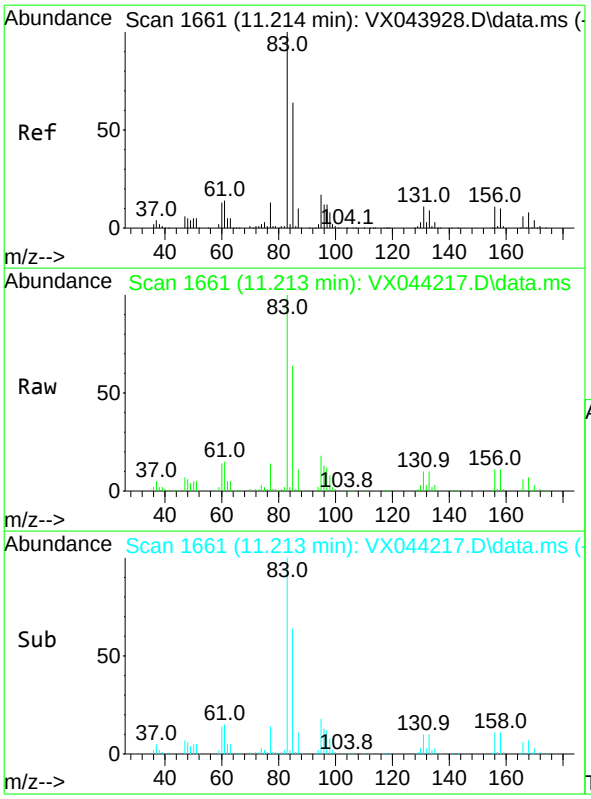


#74
N-amyl acetate
Concen: 54.137 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 43 Resp: 192555

Ion	Ratio	Lower	Upper
43	100		
70	39.1	32.2	48.2
55	22.0	18.1	27.1
61	22.3	18.4	27.6





#75
1,1,2,2-Tetrachloroethane
Concen: 50.971 ug/l
RT: 11.213 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

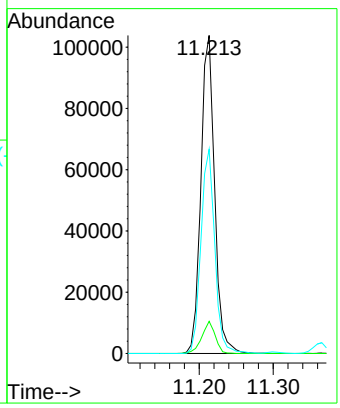
Tgt Ion: 83 Resp: 134002

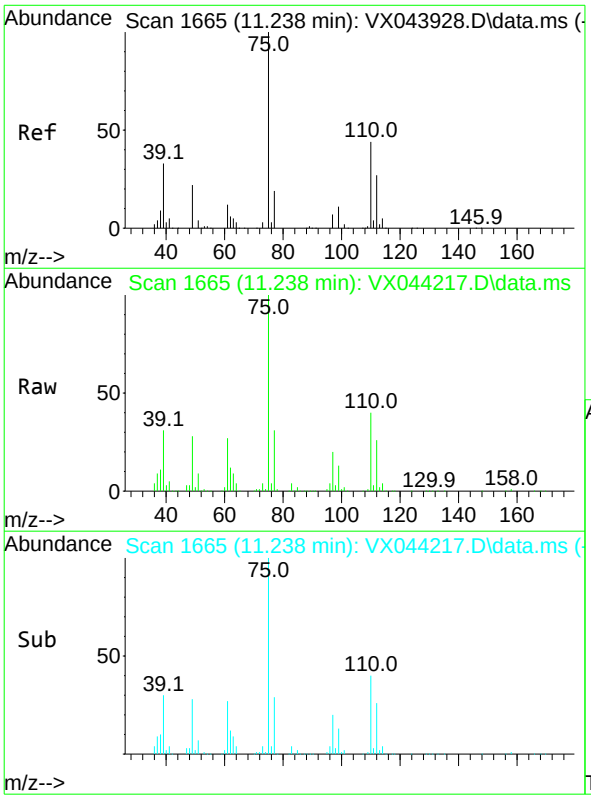
Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.1	15.2
85	64.7	32.2	96.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

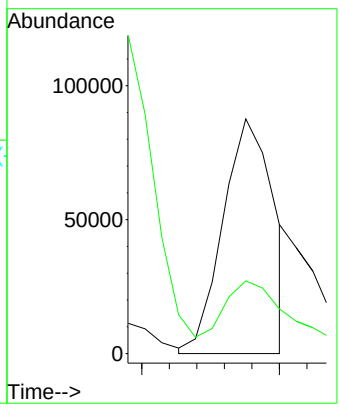


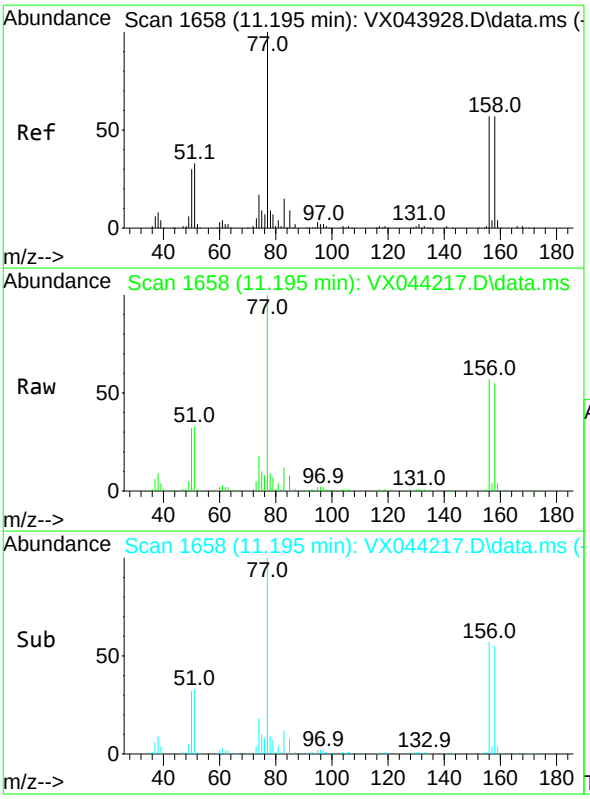


#76
1,2,3-Trichloropropane
Concen: 51.183 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 75 Resp: 112114

Ion	Ratio	Lower	Upper
75	100		
77	41.8	21.8	65.3





#77
Bromobenzene
Concen: 48.243 ug/l
RT: 11.195 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

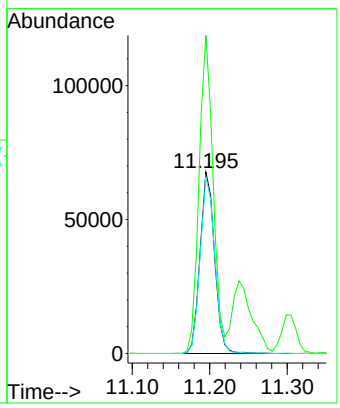
Tgt Ion:156 Resp: 88361

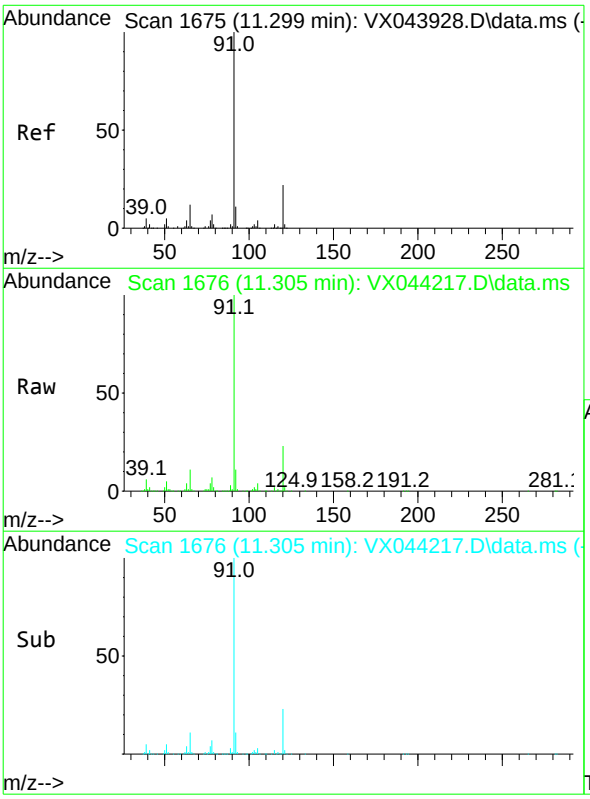
Ion	Ratio	Lower	Upper
156	100		
77	169.5	83.4	250.1
158	98.3	47.6	142.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

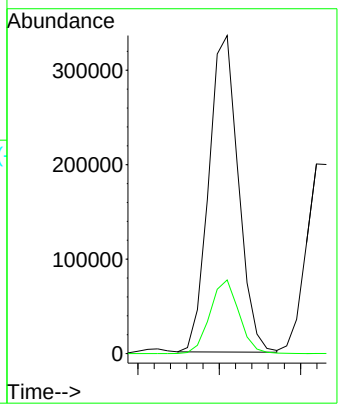


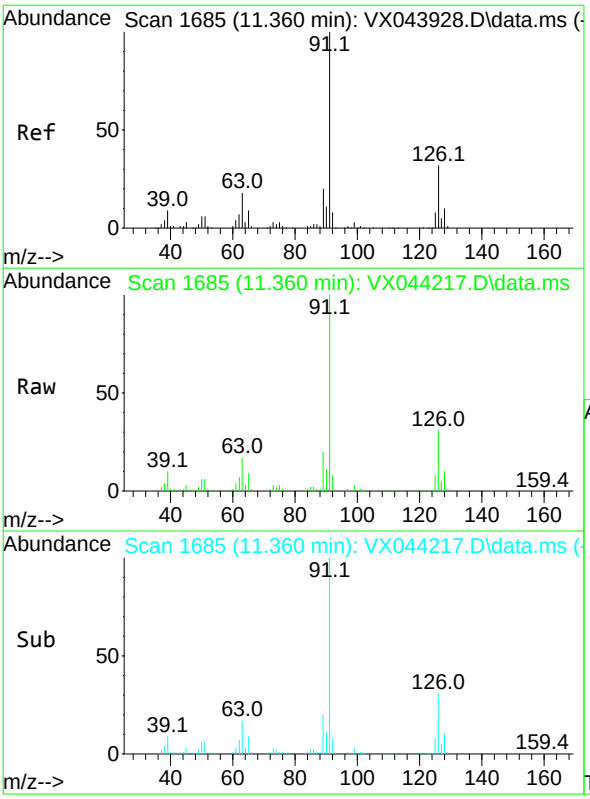


#78
n-propylbenzene
Concen: 49.451 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 91 Resp: 424053

Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.5	34.4





#79
2-Chlorotoluene
Concen: 48.850 ug/l
RT: 11.360 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

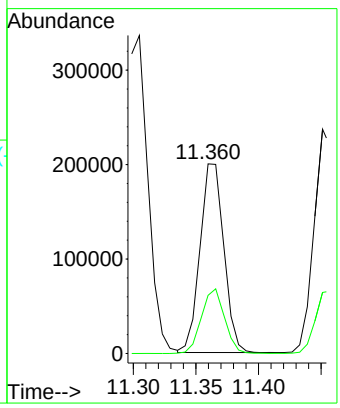
Tgt Ion: 91 Resp: 264885

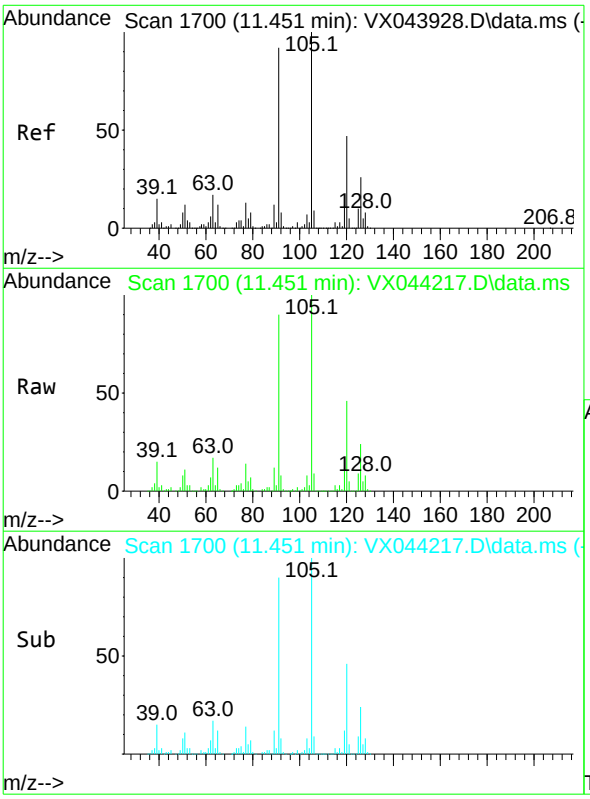
Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.6	49.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

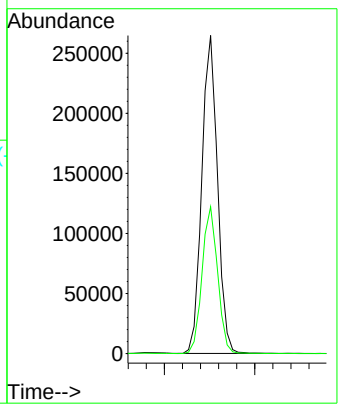


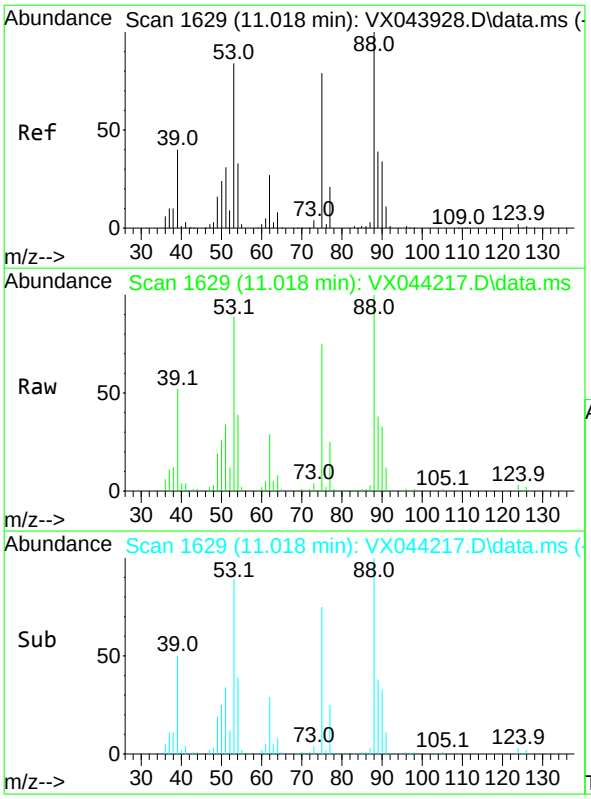


#80
1,3,5-Trimethylbenzene
Concen: 50.452 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion:105 Resp: 318691

Ion	Ratio	Lower	Upper
105	100		
120	45.8	23.3	69.8





#81
trans-1,4-Dichloro-2-butene
Concen: 44.234 ug/l
RT: 11.018 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

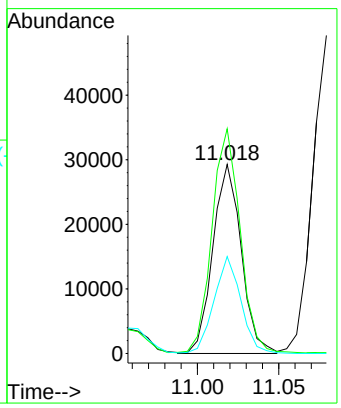
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

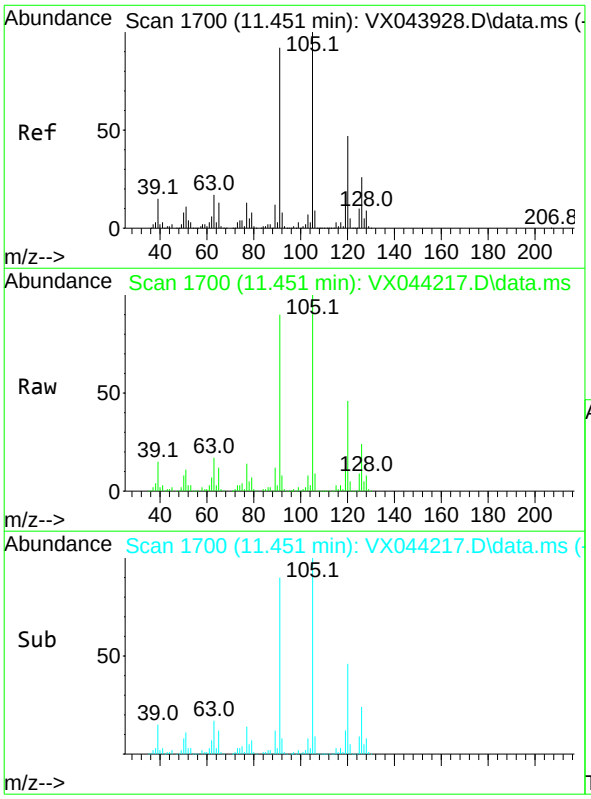
Tgt Ion: 75 Resp: 35508

Ion	Ratio	Lower	Upper
75	100		
53	117.6	86.7	130.1
89	48.6	38.2	57.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

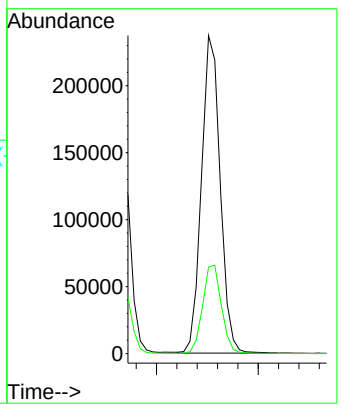


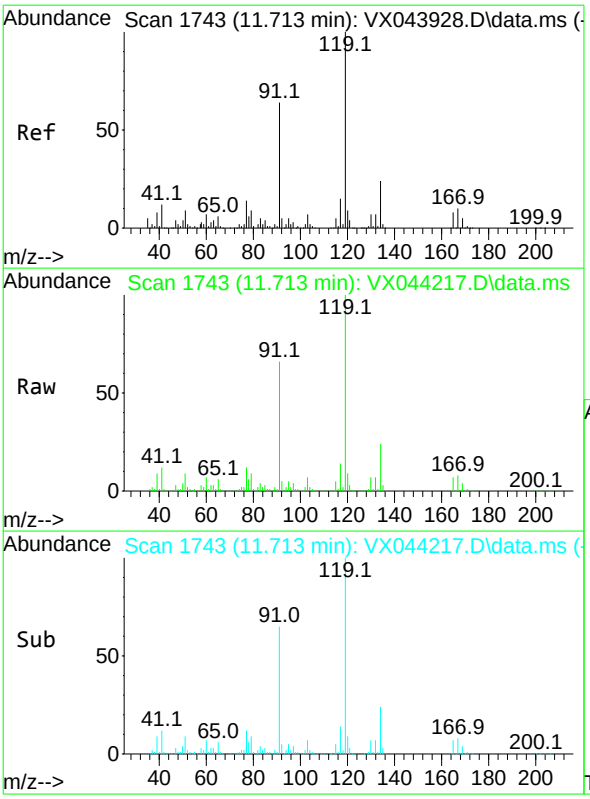


#82
4-Chlorotoluene
Concen: 49.428 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 91 Resp: 302591

Ion	Ratio	Lower	Upper
91	100		
126	28.2	14.3	42.9

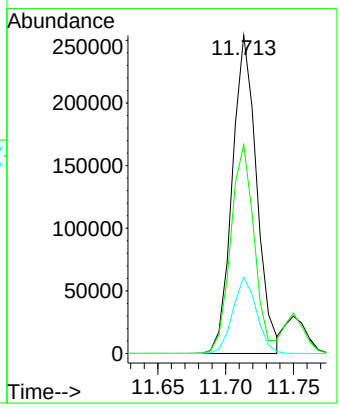




#83
tert-Butylbenzene
Concen: 50.593 ug/l
RT: 11.713 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion:119 Resp: 316761

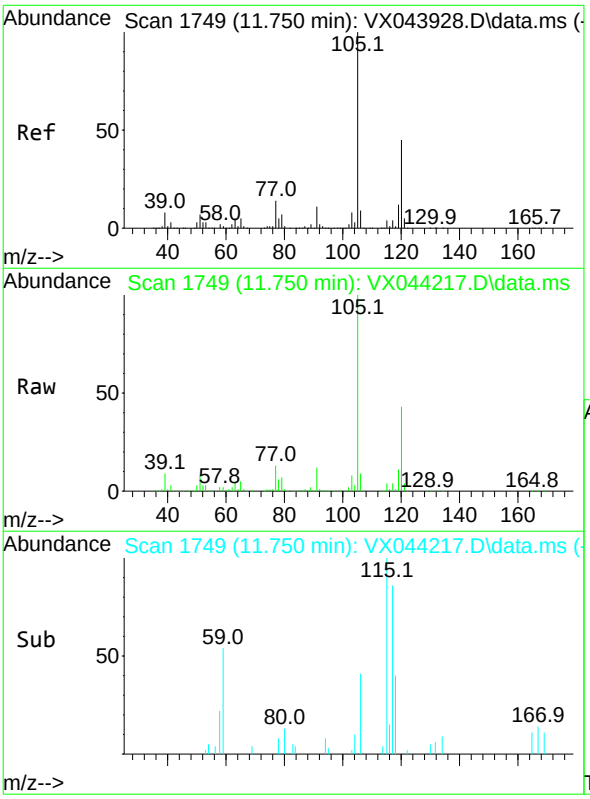
Ion	Ratio	Lower	Upper
119	100		
91	63.9	31.0	93.0
134	23.4	11.6	34.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

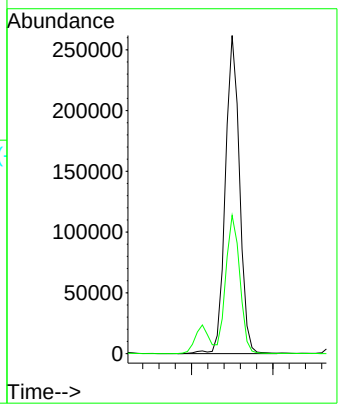
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

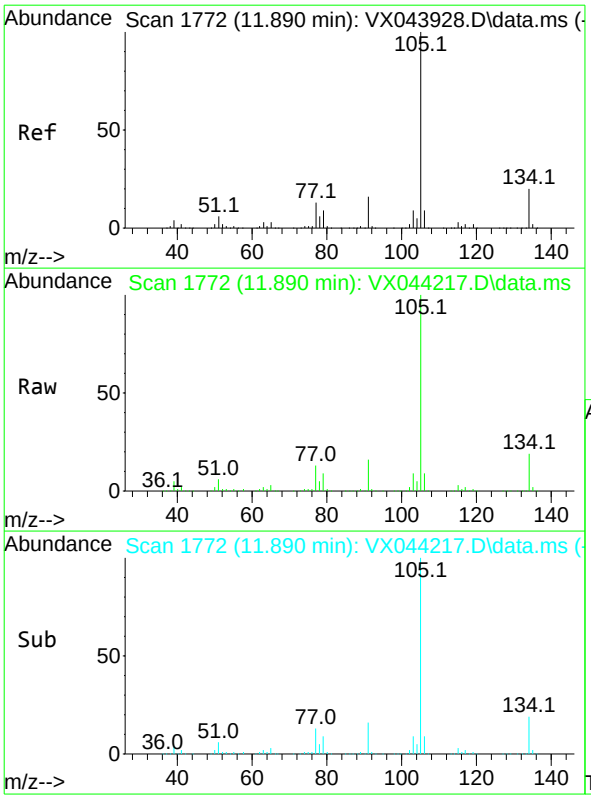


#84
1,2,4-Trimethylbenzene
Concen: 50.339 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion:105 Resp: 316576

Ion	Ratio	Lower	Upper
105	100		
120	42.6	21.9	65.7

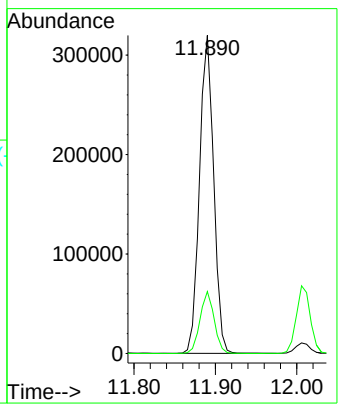




#85
sec-Butylbenzene
Concen: 50.357 ug/l
RT: 11.890 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion:105 Resp: 386295

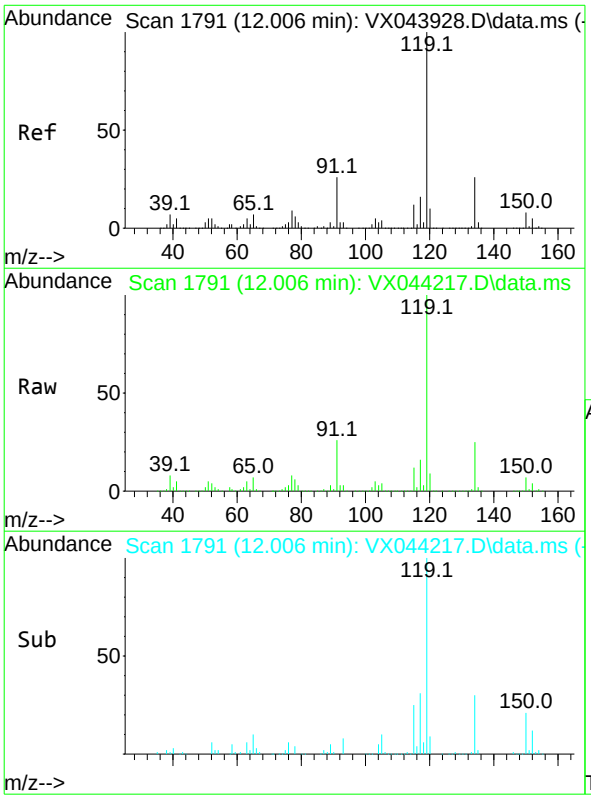
Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.7	29.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

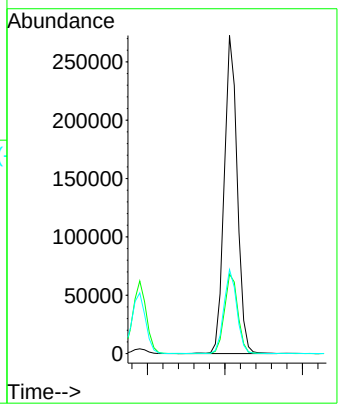
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

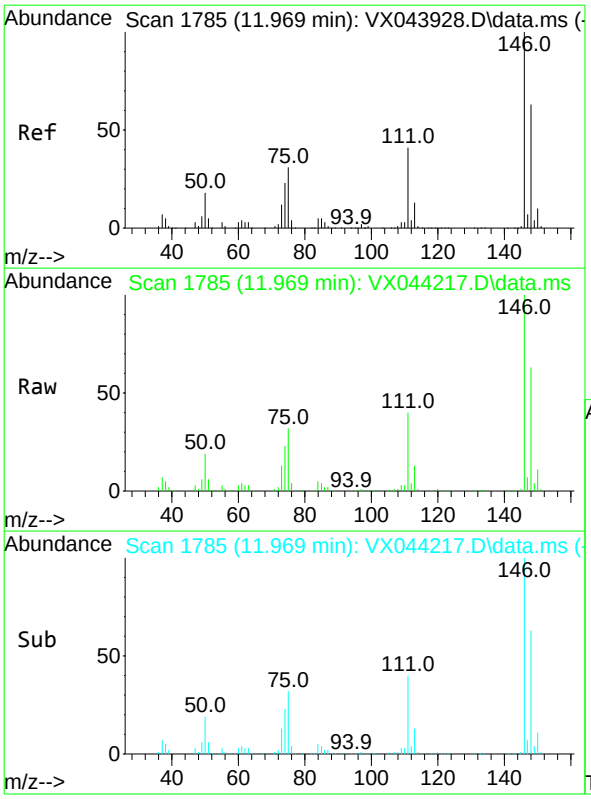


#86
p-Isopropyltoluene
Concen: 51.093 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion:119 Resp: 318368

Ion	Ratio	Lower	Upper
119	100		
134	25.6	13.0	38.9
91	26.1	13.0	38.9

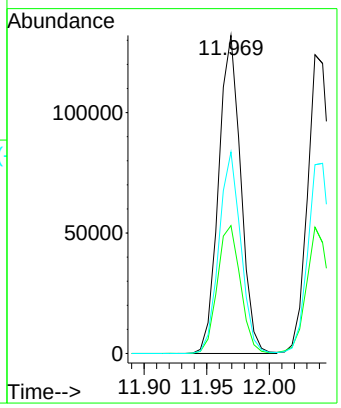




#87
1,3-Dichlorobenzene
Concen: 48.740 ug/l
RT: 11.969 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion:146 Resp: 162593

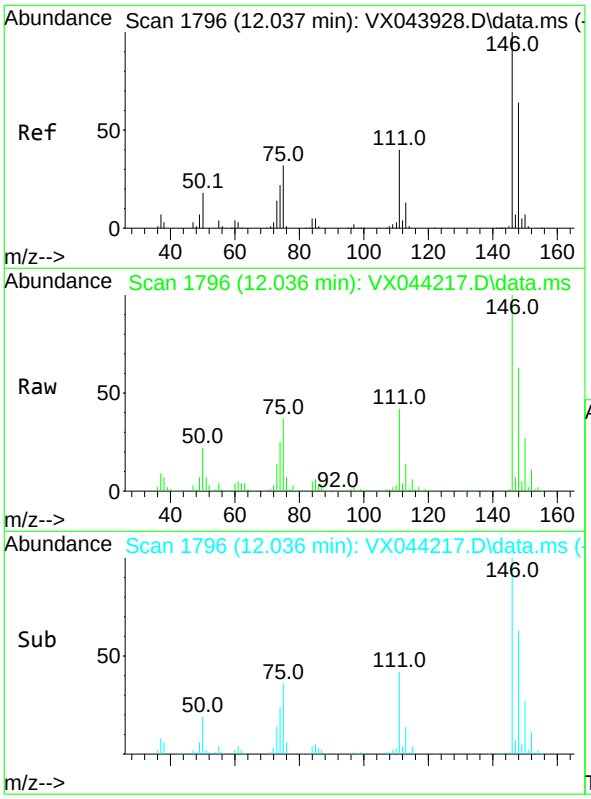
Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.1	63.3
148	62.6	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

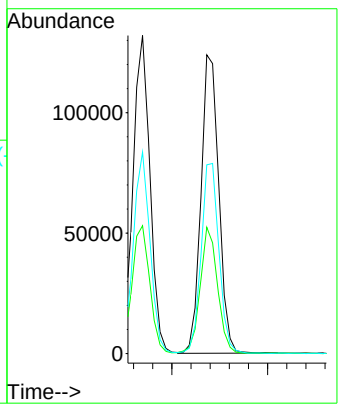
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

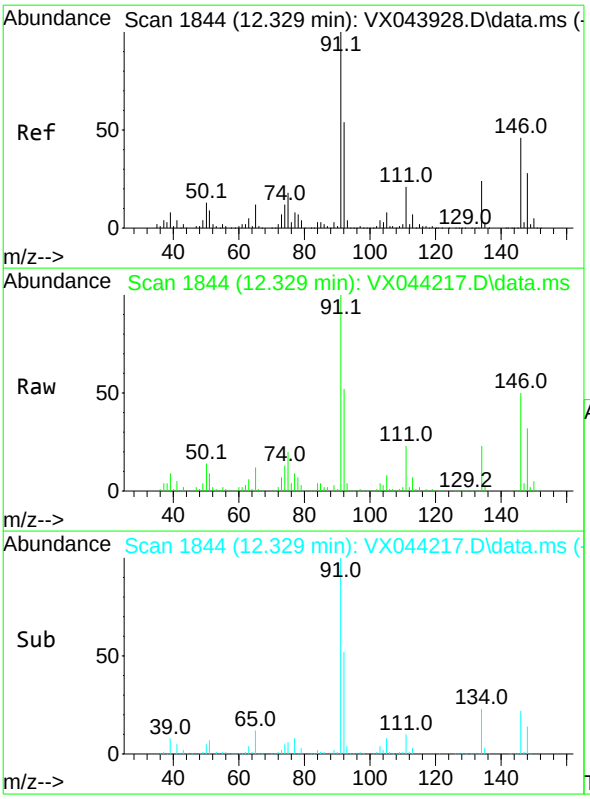


#88
1,4-Dichlorobenzene
Concen: 46.977 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion:146 Resp: 159770

Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.1	60.3
148	64.0	30.9	92.8





#89
n-Butylbenzene
Concen: 50.379 ug/l
RT: 12.329 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

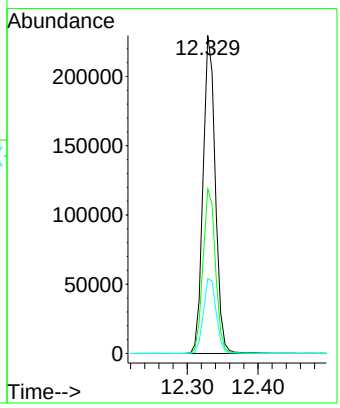
Tgt Ion: 91 Resp: 276773

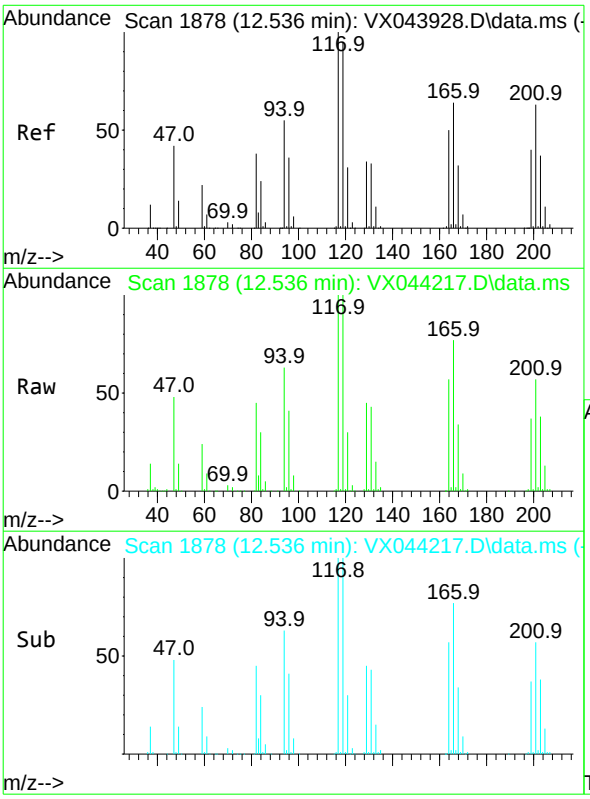
Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.6	79.8
134	24.8	12.4	37.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

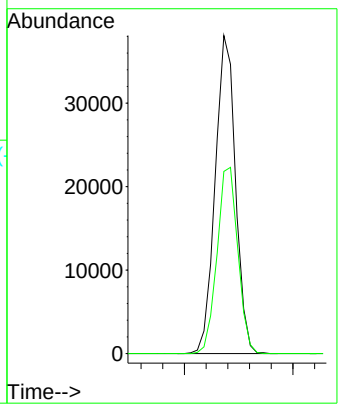


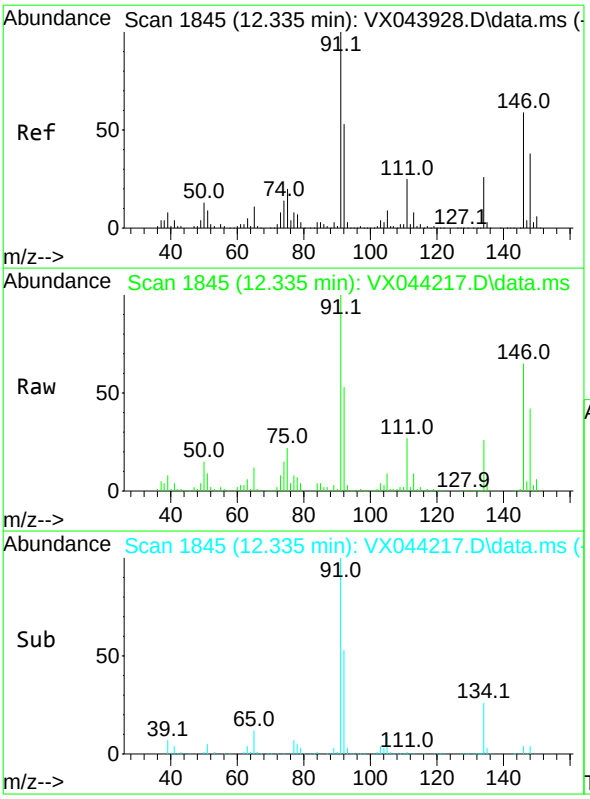


#90
Hexachloroethane
Concen: 46.780 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion:117 Resp: 49566

Ion	Ratio	Lower	Upper
117	100		
201	60.0	32.4	97.0





#91
1,2-Dichlorobenzene
Concen: 48.773 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

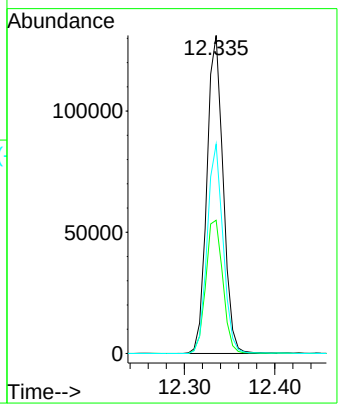
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

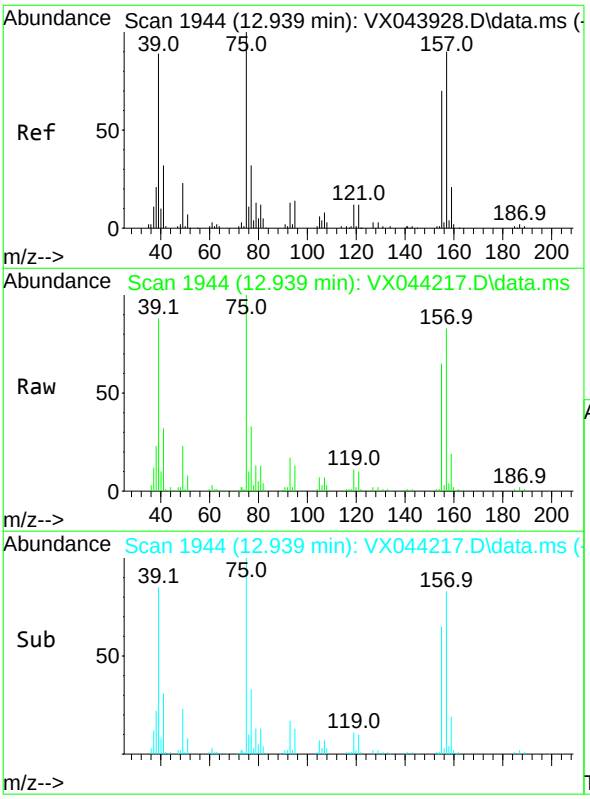
Tgt Ion:146 Resp: 164195

Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.5	64.5
148	64.3	31.9	95.5

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

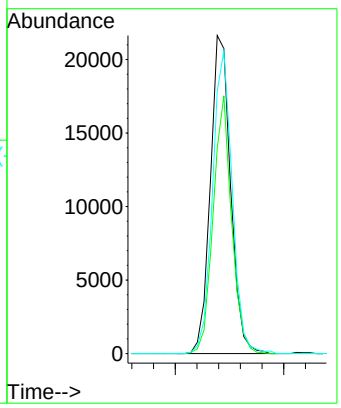


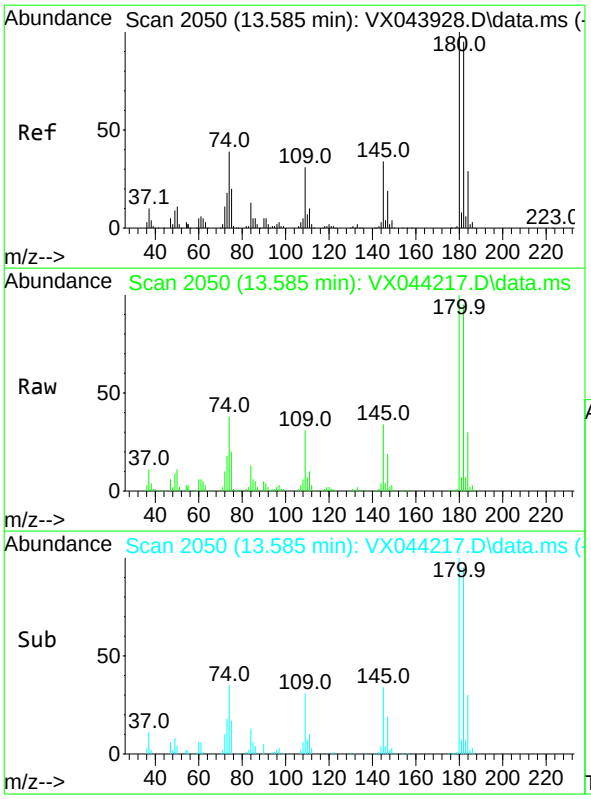


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.147 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 75 Resp: 27997

Ion	Ratio	Lower	Upper
75	100		
155	73.8	40.1	120.2
157	92.6	49.6	149.0

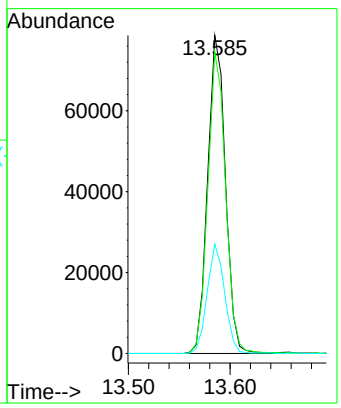




#93
1,2,4-Trichlorobenzene
Concen: 48.102 ug/l
RT: 13.585 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion:180 Resp: 95471

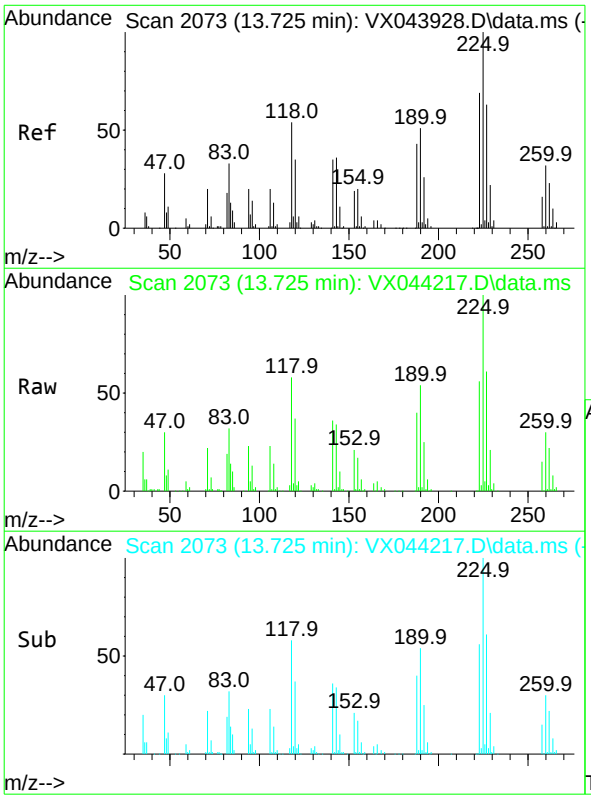
Ion	Ratio	Lower	Upper
180	100		
182	95.1	48.0	144.2
145	33.9	16.8	50.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

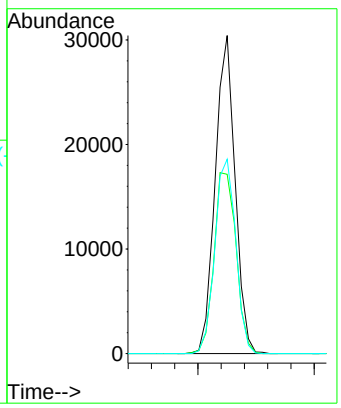
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

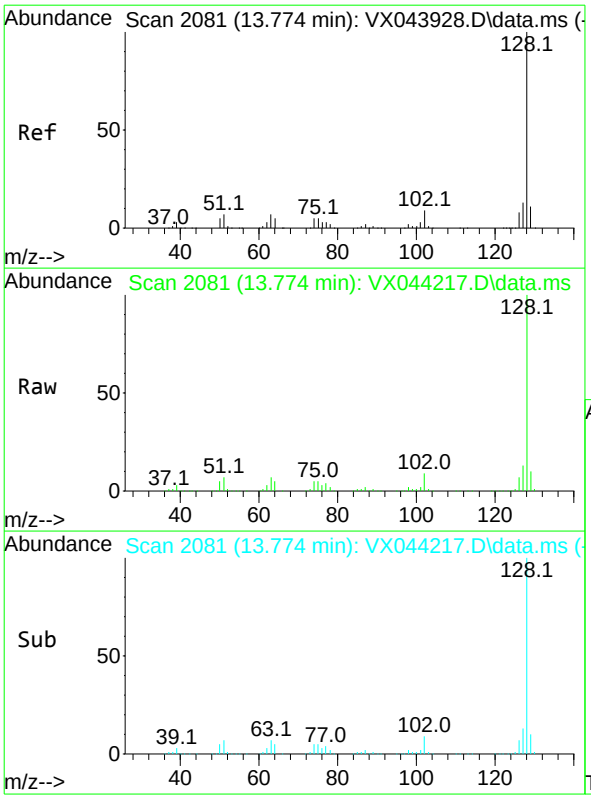


#94
Hexachlorobutadiene
Concen: 46.005 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion:225 Resp: 36087

Ion	Ratio	Lower	Upper
225	100		
223	63.3	32.9	98.6
227	64.3	31.6	94.8

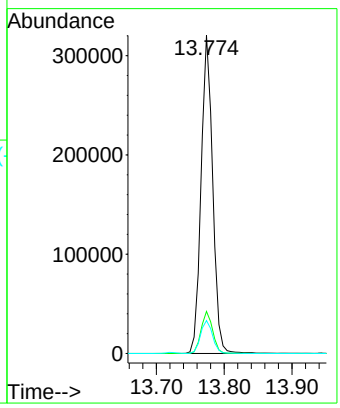




#95
Naphthalene
Concen: 53.212 ug/l
RT: 13.774 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion:128 Resp: 380179

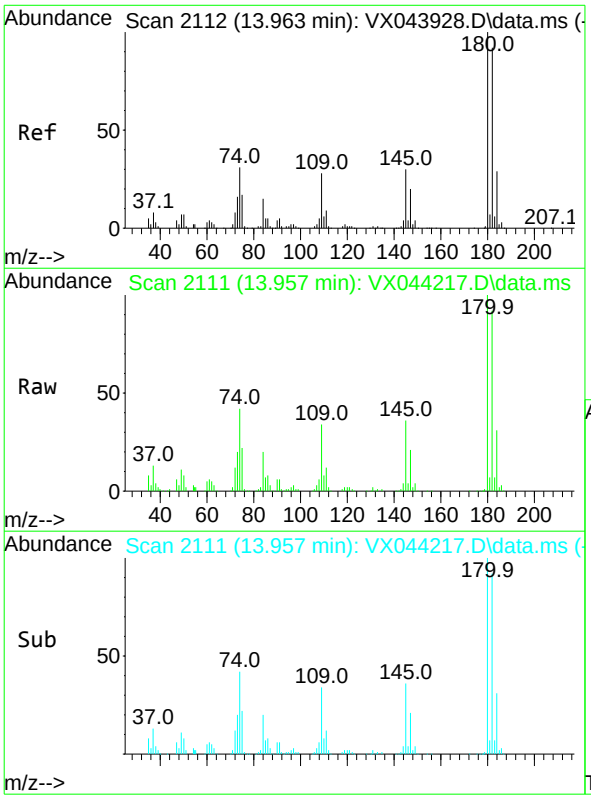
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.2
129	10.8	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

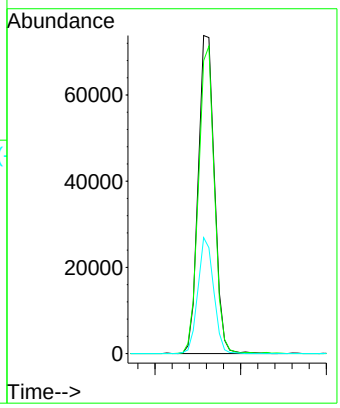
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024



#96
1,2,3-Trichlorobenzene
Concen: 48.363 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion:180 Resp: 97156

Ion	Ratio	Lower	Upper
180	100		
182	95.0	45.6	136.8
145	35.5	16.4	49.4



Evaluate Continuing Calibration Report

Sample Results: **VX044217.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044217.D
Acq On : 10 Dec 2024 18:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Dec 11 01:40:57 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

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	0.496	21.6	67	0.00
3	P	Chloromethane	0.667	0.566	15.1	74	0.00
4	C	Vinyl Chloride	0.709	0.616	13.1#	74	0.00
5	T	Bromomethane	0.436	0.441	-1.1	91	0.00
6	T	Chloroethane	0.432	0.416	3.7	83	0.00
7	T	Trichlorofluoromethane	1.268	1.286	-1.4	87	0.00
8	T	Diethyl Ether	0.462	0.476	-3.0	92	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.605	0.555	8.3	77	0.00
10	T	Methyl Iodide	0.755	0.741	1.9	84	0.00
11	T	Tert butyl alcohol	0.138	0.133	3.6	84	0.00
12	CM	1,1-Dichloroethene	0.576	0.521	9.5#	80	0.00
13	T	Acrolein	0.145	0.154	-6.2	97	0.00
14	T	Allyl chloride	0.941	0.942	-0.1	83	0.00
15	T	Acrylonitrile	0.335	0.357	-6.6	89	0.00
16	T	Acetone	0.394	0.357	9.4	77	0.01
17	T	Carbon Disulfide	1.188	0.842	29.1#	60	0.00
18	T	Methyl Acetate	0.917	0.993	-8.3	92	0.00
19	T	Methyl tert-butyl Ether	2.092	2.267	-8.4	92	0.00
20	T	Methylene Chloride	0.668	0.651	2.5	89	0.00
21	T	trans-1,2-Dichloroethene	0.595	0.559	6.1	81	0.00
22	T	Diisopropyl ether	2.013	2.125	-5.6	90	0.00
23	T	Vinyl Acetate	1.722	1.838	-6.7	87	0.00
24	P	1,1-Dichloroethane	1.161	1.194	-2.8	87	0.00
25	T	2-Butanone	0.508	0.539	-6.1	87	0.01
26	T	2,2-Dichloropropane	1.049	0.977	6.9	79	0.00
27	T	cis-1,2-Dichloroethene	0.735	0.744	-1.2	86	0.00
28	T	Bromochloromethane	0.511	0.464	9.2	94	0.01
29	T	Tetrahydrofuran	0.312	0.336	-7.7	91	0.00
30	C	Chloroform	1.249	1.314	-5.2#	92	0.01
31	T	Cyclohexane	0.956	0.852	10.9	75	0.00
32	T	1,1,1-Trichloroethane	1.077	1.126	-4.5	87	0.00
33	S	1,2-Dichloroethane-d4	0.858	0.913	-6.4	112	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
35	S	Dibromofluoromethane	0.357	0.351	1.7	108	0.00
36	T	1,1-Dichloropropene	0.445	0.410	7.9	83	0.00
37	T	Ethyl Acetate	0.553	0.548	0.9	90	0.01
38	T	Carbon Tetrachloride	0.500	0.466	6.8	84	0.00
39	T	Methylcyclohexane	0.578	0.493	14.7	75	0.00
40	TM	Benzene	1.387	1.288	7.1	86	0.00
41	T	Methacrylonitrile	0.283	0.287	-1.4	88	0.01
42	TM	1,2-Dichloroethane	0.557	0.549	1.4	91	0.01
43	T	Isopropyl Acetate	0.880	0.899	-2.2	92	0.00
44	TM	Trichloroethene	0.393	0.315	19.8	85	0.00
45	C	1,2-Dichloropropane	0.340	0.336	1.2#	91	0.00
46	T	Dibromomethane	0.269	0.271	-0.7	93	0.00
47	T	Bromodichloromethane	0.482	0.497	-3.1	92	0.00
48	T	Methyl methacrylate	0.422	0.423	-0.2	91	0.00

Sample Results: **VX044217.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044217.D
Acq On : 10 Dec 2024 18:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Dec 11 01:40:57 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

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	78	0.00
50	S	Toluene-d8	1.232	1.161	5.8	106	0.00
51	T	4-Methyl-2-Pentanone	0.537	0.594	-10.6	98	0.00
52	CM	Toluene	0.830	0.815	1.8#	89	0.00
53	T	t-1,3-Dichloropropene	0.491	0.497	-1.2	88	0.00
54	T	cis-1,3-Dichloropropene	0.539	0.534	0.9	88	0.00
55	T	1,1,2-Trichloroethane	0.343	0.350	-2.0	95	0.00
56	T	Ethyl methacrylate	0.534	0.570	-6.7	93	0.00
57	T	1,3-Dichloropropane	0.577	0.584	-1.2	94	0.00
58	T	2-Chloroethyl Vinyl ether	0.273	0.274	-0.4	90	0.00
59	T	2-Hexanone	0.403	0.444	-10.2	95	0.00
60	T	Dibromochloromethane	0.344	0.358	-4.1	91	0.00
61	T	1,2-Dibromoethane	0.346	0.362	-4.6	94	0.00
62	S	4-Bromofluorobenzene	0.419	0.428	-2.1	111	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	98	0.00
64	T	Tetrachloroethene	0.330	0.309	6.4	87	0.00
65	PM	Chlorobenzene	1.098	1.073	2.3	92	0.00
66	T	1,1,1,2-Tetrachloroethane	0.356	0.371	-4.2	92	0.00
67	C	Ethyl Benzene	1.861	1.866	-0.3#	91	0.00
68	T	m/p-Xylenes	0.694	0.686	1.2	89	0.00
69	T	o-Xylene	0.678	0.698	-2.9	91	0.00
70	T	Styrene	1.121	1.176	-4.9	92	0.00
71	P	Bromoform	0.240	0.254	-5.8	88	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
73	T	Isopropylbenzene	3.843	3.780	1.6	92	0.00
74	T	N-amyl acetate	1.780	1.928	-8.3	96	0.00
75	P	1,1,2,2-Tetrachloroethane	1.316	1.342	-2.0	96	0.00
76	T	1,2,3-Trichloropropane	1.096	1.122	-2.4	95	0.00
77	T	Bromobenzene	0.917	0.885	3.5	90	0.00
78	T	n-propylbenzene	4.293	4.245	1.1	89	0.00
79	T	2-Chlorotoluene	2.714	2.652	2.3	92	0.00
80	T	1,3,5-Trimethylbenzene	3.162	3.191	-0.9	92	0.00
81	T	trans-1,4-Dichloro-2-butene	0.402	0.355	11.7	80	0.00
82	T	4-Chlorotoluene	3.064	3.029	1.1	91	0.00
83	T	tert-Butylbenzene	3.134	3.171	-1.2	92	0.00
84	T	1,2,4-Trimethylbenzene	3.148	3.169	-0.7	92	0.00
85	T	sec-Butylbenzene	3.840	3.867	-0.7	91	0.00
86	T	p-Isopropyltoluene	3.119	3.187	-2.2	90	0.00
87	T	1,3-Dichlorobenzene	1.670	1.628	2.5	92	0.00
88	T	1,4-Dichlorobenzene	1.702	1.600	6.0	89	0.00
89	T	n-Butylbenzene	2.750	2.771	-0.8	87	0.00
90	T	Hexachloroethane	0.530	0.496	6.4	84	0.00
91	T	1,2-Dichlorobenzene	1.685	1.644	2.4	93	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.264	0.280	-6.1	98	0.00
93	T	1,2,4-Trichlorobenzene	0.994	0.956	3.8	88	0.00
94	T	Hexachlorobutadiene	0.393	0.361	8.1	87	0.00
95	T	Naphthalene	3.576	3.806	-6.4	95	0.00

Sample Results: **VX044217.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044217.D
Acq On : 10 Dec 2024 18:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Dec 11 01:40:57 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

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	0.973	3.3	87	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VX044217.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044217.D
Acq On : 10 Dec 2024 18:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Dec 11 01:40:57 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

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	39.184	21.6	67	0.00
3	P	Chloromethane	50.000	42.456	15.1	74	0.00
4	C	Vinyl Chloride	50.000	43.453	13.1#	74	0.00
5	T	Bromomethane	50.000	50.551	-1.1	91	0.00
6	T	Chloroethane	50.000	48.139	3.7	83	0.00
7	T	Trichlorofluoromethane	50.000	50.742	-1.5	87	0.00
8	T	Diethyl Ether	50.000	51.568	-3.1	92	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	45.934	8.1	77	0.00
10	T	Methyl Iodide	50.000	49.069	1.9	84	0.00
11	T	Tert butyl alcohol	250.000	241.461	3.4	84	0.00
12	CM	1,1-Dichloroethene	50.000	45.214	9.6#	80	0.00
13	T	Acrolein	250.000	265.473	-6.2	97	0.00
14	T	Allyl chloride	50.000	50.047	-0.1	83	0.00
15	T	Acrylonitrile	250.000	266.340	-6.5	89	0.00
16	T	Acetone	250.000	226.323	9.5	77	0.01
17	T	Carbon Disulfide	50.000	35.412	29.2#	60	0.00
18	T	Methyl Acetate	50.000	54.151	-8.3	92	0.00
19	T	Methyl tert-butyl Ether	50.000	54.175	-8.3	92	0.00
20	T	Methylene Chloride	50.000	48.686	2.6	89	0.00
21	T	trans-1,2-Dichloroethene	50.000	46.980	6.0	81	0.00
22	T	Diisopropyl ether	50.000	52.775	-5.5	90	0.00
23	T	Vinyl Acetate	250.000	266.817	-6.7	87	0.00
24	P	1,1-Dichloroethane	50.000	51.412	-2.8	87	0.00
25	T	2-Butanone	250.000	265.133	-6.1	87	0.01
26	T	2,2-Dichloropropane	50.000	46.597	6.8	79	0.00
27	T	cis-1,2-Dichloroethene	50.000	50.598	-1.2	86	0.00
28	T	Bromochloromethane	50.000	45.353	9.3	94	0.01
29	T	Tetrahydrofuran	250.000	269.350	-7.7	91	0.00
30	C	Chloroform	50.000	52.620	-5.2#	92	0.01
31	T	Cyclohexane	50.000	44.572	10.9	75	0.00
32	T	1,1,1-Trichloroethane	50.000	52.251	-4.5	87	0.00
33	S	1,2-Dichloroethane-d4	50.000	53.240	-6.5	112	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	100	0.00
35	S	Dibromofluoromethane	50.000	49.124	1.8	108	0.00
36	T	1,1-Dichloropropene	50.000	45.995	8.0	83	0.00
37	T	Ethyl Acetate	50.000	49.549	0.9	90	0.01
38	T	Carbon Tetrachloride	50.000	46.595	6.8	84	0.00
39	T	Methylcyclohexane	50.000	42.624	14.8	75	0.00
40	TM	Benzene	50.000	46.428	7.1	86	0.00
41	T	Methacrylonitrile	50.000	50.743	-1.5	88	0.01
42	TM	1,2-Dichloroethane	50.000	49.283	1.4	91	0.01
43	T	Isopropyl Acetate	50.000	51.122	-2.2	92	0.00
44	TM	Trichloroethene	50.000	40.071	19.9	85	0.00
45	C	1,2-Dichloropropane	50.000	49.418	1.2#	91	0.00
46	T	Dibromomethane	50.000	50.501	-1.0	93	0.00
47	T	Bromodichloromethane	50.000	51.522	-3.0	92	0.00
48	T	Methyl methacrylate	50.000	50.075	-0.2	91	0.00

Sample Results: **VX044217.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044217.D
Acq On : 10 Dec 2024 18:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Dec 11 01:40:57 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

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	846.622	15.3	78	0.00
50	S	Toluene-d8	50.000	47.129	5.7	106	0.00
51	T	4-Methyl-2-Pentanone	250.000	276.463	-10.6	98	0.00
52	CM	Toluene	50.000	49.112	1.8#	89	0.00
53	T	t-1,3-Dichloropropene	50.000	50.525	-1.0	88	0.00
54	T	cis-1,3-Dichloropropene	50.000	49.583	0.8	88	0.00
55	T	1,1,2-Trichloroethane	50.000	51.024	-2.0	95	0.00
56	T	Ethyl methacrylate	50.000	53.395	-6.8	93	0.00
57	T	1,3-Dichloropropane	50.000	50.557	-1.1	94	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	234.142	6.3	90	0.00
59	T	2-Hexanone	250.000	275.412	-10.2	95	0.00
60	T	Dibromochloromethane	50.000	52.109	-4.2	91	0.00
61	T	1,2-Dibromoethane	50.000	52.266	-4.5	94	0.00
62	S	4-Bromofluorobenzene	50.000	51.003	-2.0	111	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	98	0.00
64	T	Tetrachloroethene	50.000	46.869	6.3	87	0.00
65	PM	Chlorobenzene	50.000	48.841	2.3	92	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.085	-4.2	92	0.00
67	C	Ethyl Benzene	50.000	50.145	-0.3#	91	0.00
68	T	m/p-Xylenes	100.000	98.868	1.1	89	0.00
69	T	o-Xylene	50.000	51.522	-3.0	91	0.00
70	T	Styrene	50.000	52.487	-5.0	92	0.00
71	P	Bromoform	50.000	47.096	5.8	88	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	100	0.00
73	T	Isopropylbenzene	50.000	49.169	1.7	92	0.00
74	T	N-amyl acetate	50.000	54.137	-8.3	96	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	50.971	-1.9	96	0.00
76	T	1,2,3-Trichloropropane	50.000	51.183	-2.4	95	0.00
77	T	Bromobenzene	50.000	48.243	3.5	90	0.00
78	T	n-propylbenzene	50.000	49.451	1.1	89	0.00
79	T	2-Chlorotoluene	50.000	48.850	2.3	92	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.452	-0.9	92	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	44.234	11.5	80	0.00
82	T	4-Chlorotoluene	50.000	49.428	1.1	91	0.00
83	T	tert-Butylbenzene	50.000	50.593	-1.2	92	0.00
84	T	1,2,4-Trimethylbenzene	50.000	50.339	-0.7	92	0.00
85	T	sec-Butylbenzene	50.000	50.357	-0.7	91	0.00
86	T	p-Isopropyltoluene	50.000	51.093	-2.2	90	0.00
87	T	1,3-Dichlorobenzene	50.000	48.740	2.5	92	0.00
88	T	1,4-Dichlorobenzene	50.000	46.977	6.0	89	0.00
89	T	n-Butylbenzene	50.000	50.379	-0.8	87	0.00
90	T	Hexachloroethane	50.000	46.780	6.4	84	0.00
91	T	1,2-Dichlorobenzene	50.000	48.773	2.5	93	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	53.147	-6.3	98	0.00
93	T	1,2,4-Trichlorobenzene	50.000	48.102	3.8	88	0.00
94	T	Hexachlorobutadiene	50.000	46.005	8.0	87	0.00
95	T	Naphthalene	50.000	53.212	-6.4	95	0.00

Sample Results: **VX044217.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044217.D
Acq On : 10 Dec 2024 18:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Dec 11 01:40:57 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

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	48.363	3.3	87	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

QC SAMPLE DATA

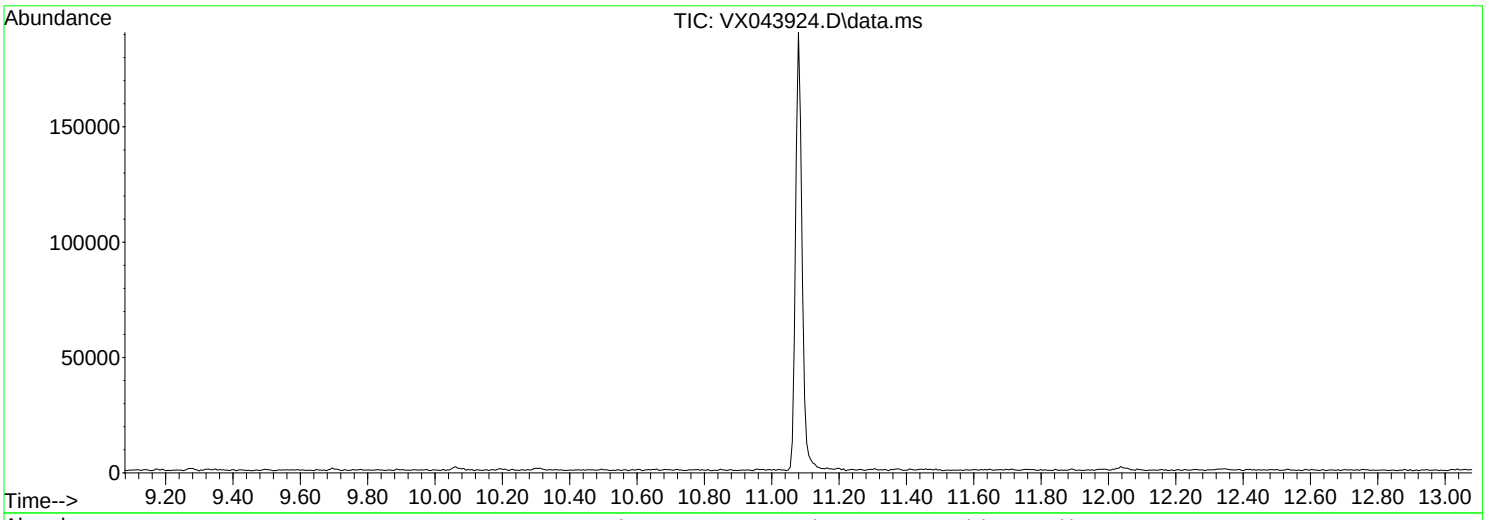
Sample Results: **VX043924.D**

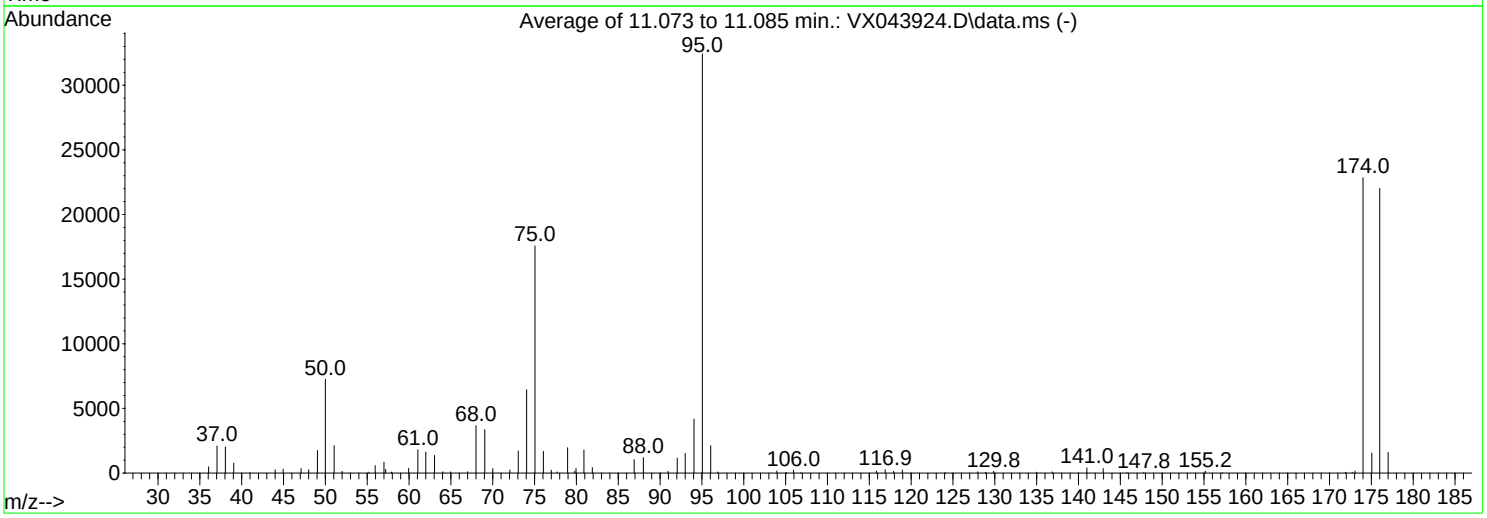
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043924.D
Acq On : 21 Nov 2024 08:51
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

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

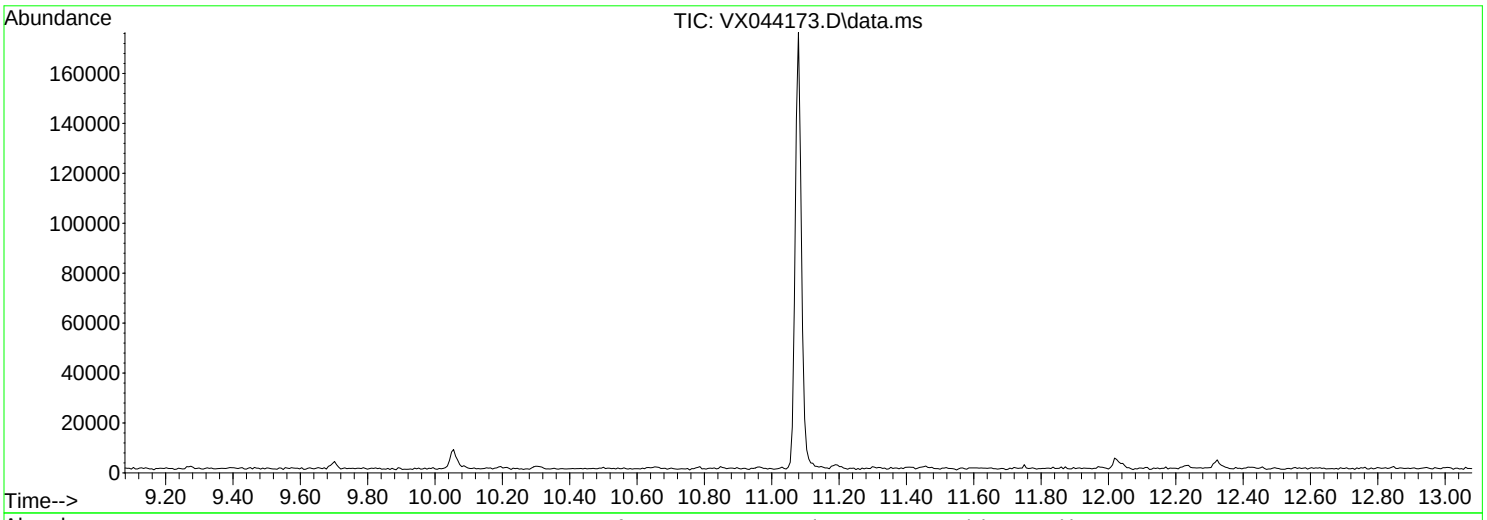
Sample Results: **VX044173.D**

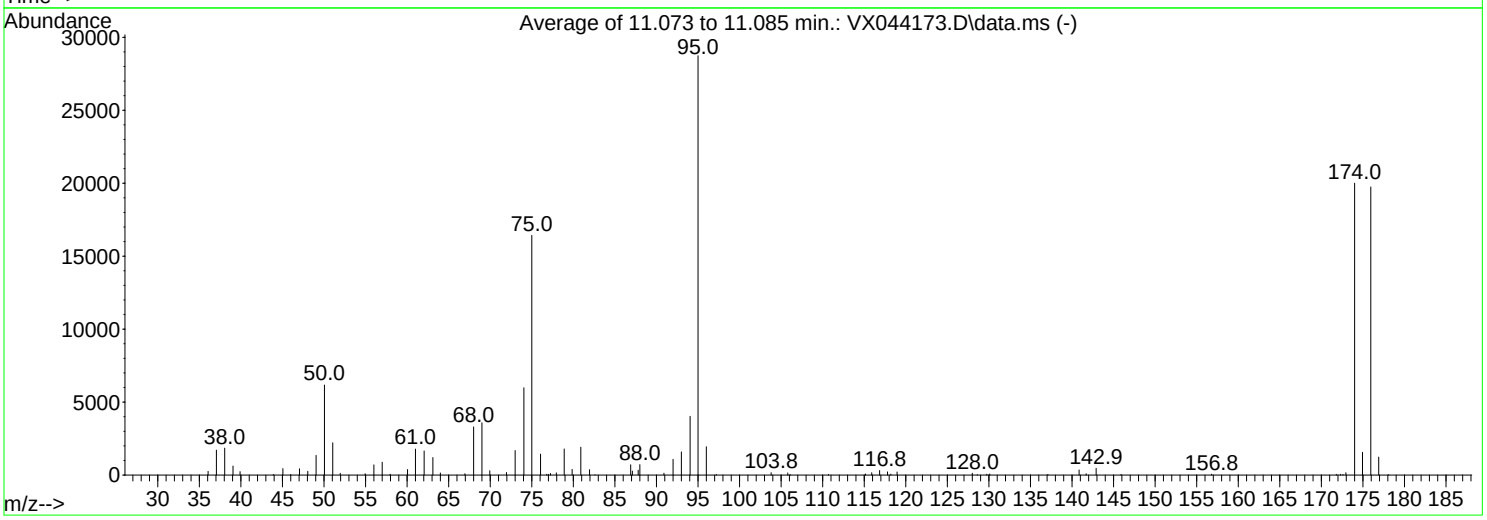
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044173.D
Acq On : 09 Dec 2024 09:06
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

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 1631

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.5	6171	PASS
75	95	30	60	57.2	16427	PASS
95	95	100	100	100.0	28736	PASS
96	95	5	9	6.8	1941	PASS
173	174	0.00	2	0.8	163	PASS
174	95	50	100	69.6	20004	PASS
175	174	5	9	7.8	1560	PASS
176	174	95	101	98.7	19747	PASS
177	176	5	9	6.2	1234	PASS

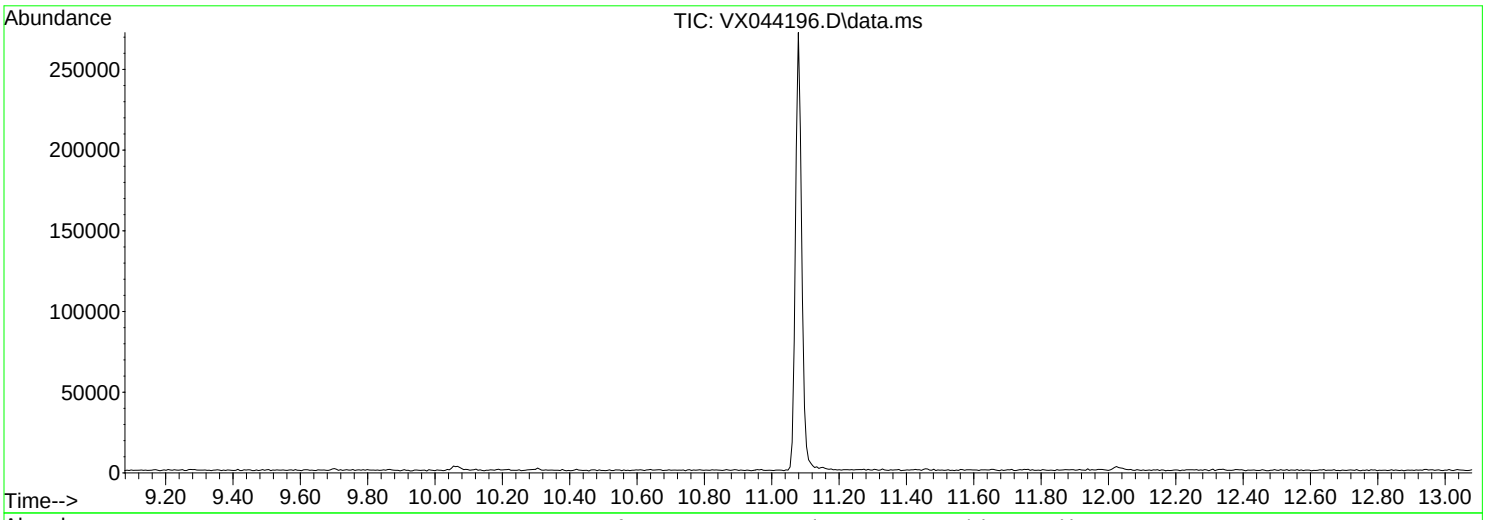
Sample Results: **VX044196.D**

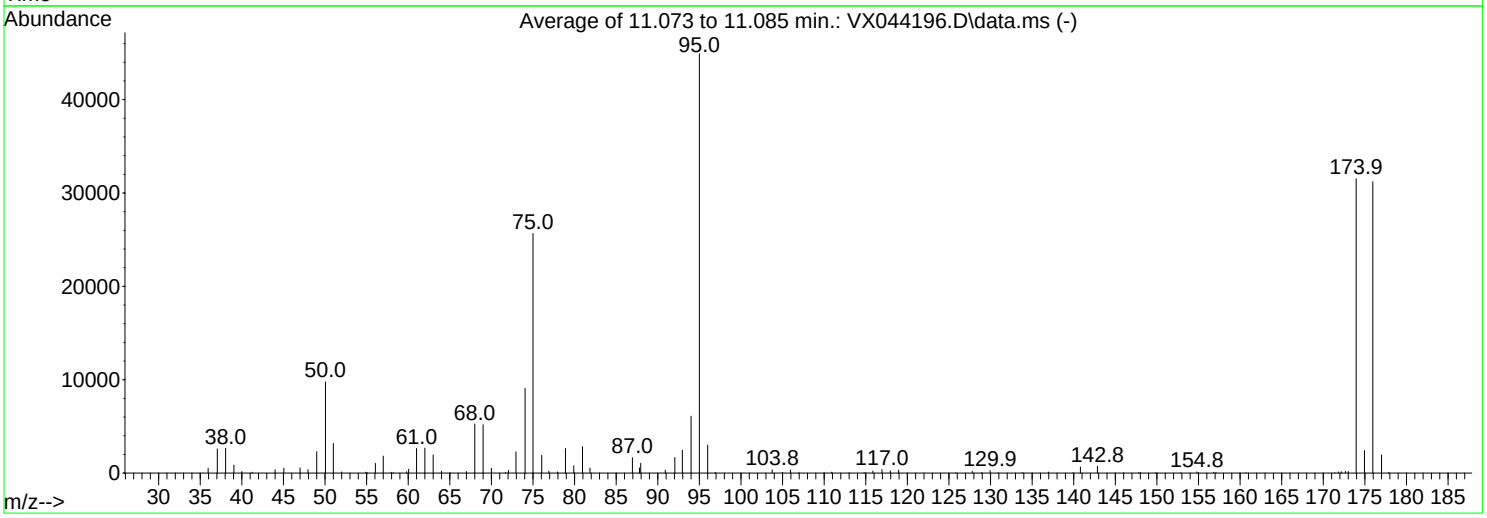
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044196.D
Acq On : 10 Dec 2024 09:01
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

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	21.7	9765	PASS
75	95	30	60	57.1	25659	PASS
95	95	100	100	100.0	44912	PASS
96	95	5	9	6.7	2997	PASS
173	174	0.00	2	0.6	175	PASS
174	95	50	100	70.2	31531	PASS
175	174	5	9	7.7	2414	PASS
176	174	95	101	99.0	31205	PASS
177	176	5	9	6.2	1936	PASS

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX1209WBL01	SDG No.:	P5164
Lab Sample ID:	VX1209WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044176.D	1		12/09/24 10:35	VX120924

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: **VX044176.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX1209WBL01	SDG No.:	P5164
Lab Sample ID:	VX1209WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044176.D	1		12/09/24 10:35	VX120924

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	46.4		80 - 119		93%	SPK: 50
2037-26-5	Toluene-d8	50.1		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.2		85 - 114		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	127000	5.544				
540-36-3	1,4-Difluorobenzene	246000	6.757				
3114-55-4	Chlorobenzene-d5	212000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	90500	12.018				

Raw Data: **VX044176.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX1209WBL01	SDG No.:	P5164
Lab Sample ID:	VX1209WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044176.D	1		12/09/24 10:35	VX120924

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\VX120924\
Data File : VX044176.D
Acq On : 09 Dec 2024 10:35
Operator : JC/MD
Sample : VX1209WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBL01

Quant Time: Dec 10 01:36:56 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	5.544	168	127252	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	245969	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	212379	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	90543	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	114252	52.347	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.700%			
35) Dibromofluoromethane	5.379	113	81564	46.407	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 92.820%			
50) Toluene-d8	8.647	98	303349	50.070	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.140%			
62) 4-Bromofluorobenzene	11.079	95	101473	49.214	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.420%			

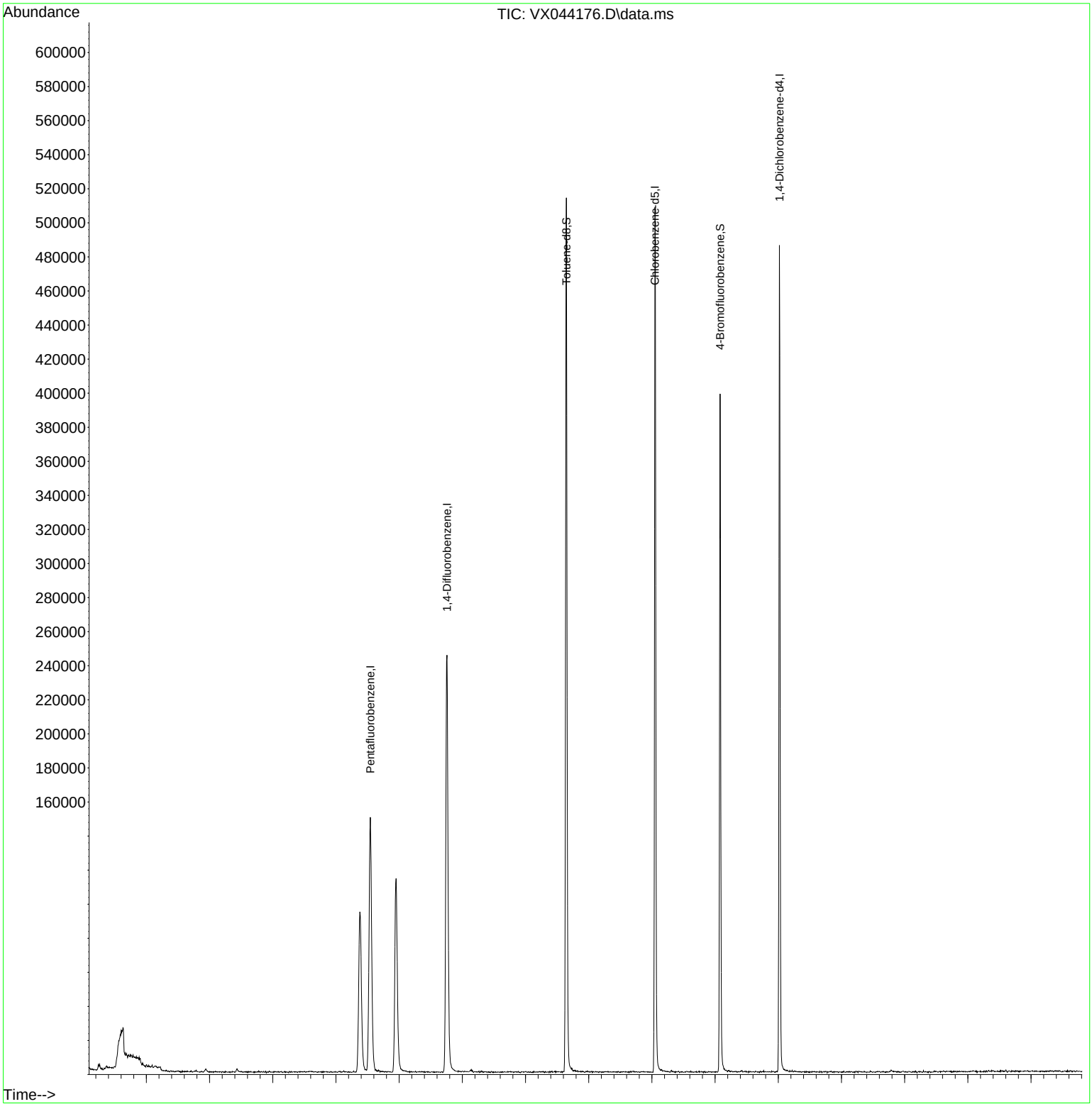
Target Compounds Qvalue

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

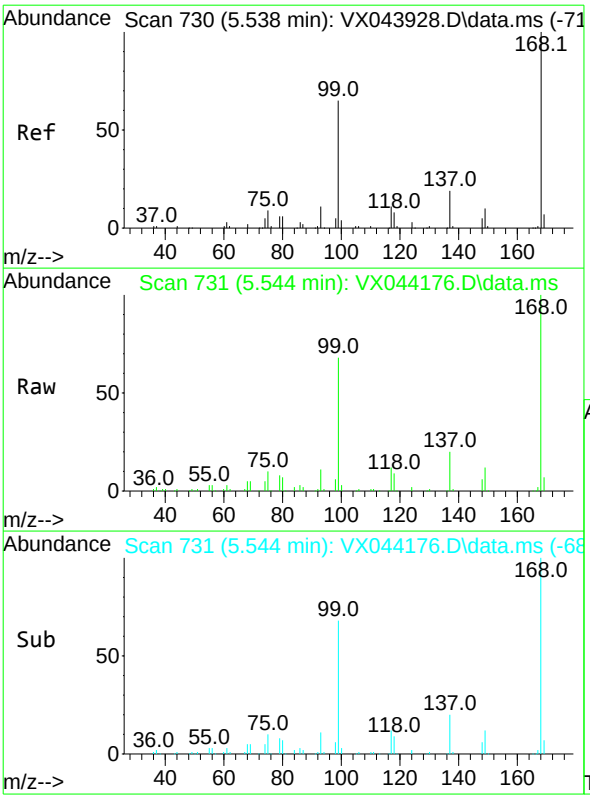
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044176.D
Acq On : 09 Dec 2024 10:35
Operator : JC/MD
Sample : VX1209WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBL01

Quant Time: Dec 10 01:36:56 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



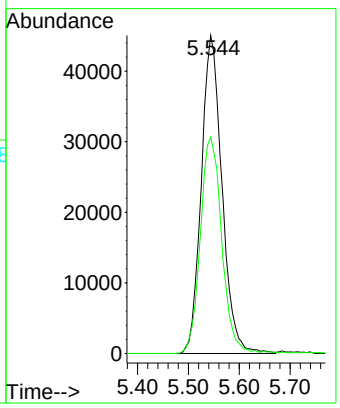
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBL01

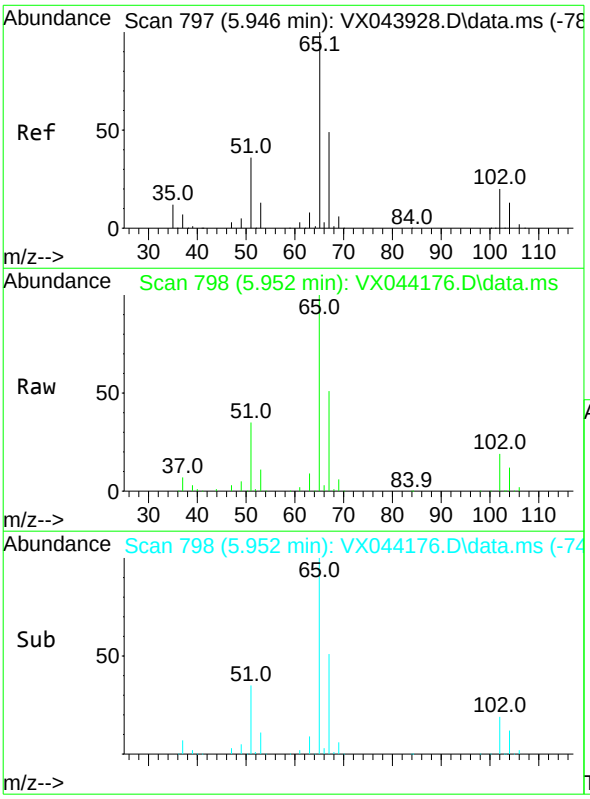


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. 0.006 min
Lab File: VX044176.D
Acq: 09 Dec 2024 10:35

Tgt Ion:168 Resp: 127252

Ion	Ratio	Lower	Upper
168	100		
99	68.1	51.8	77.8

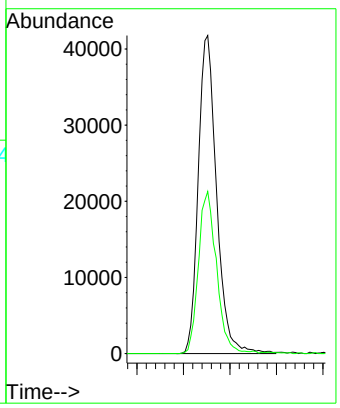


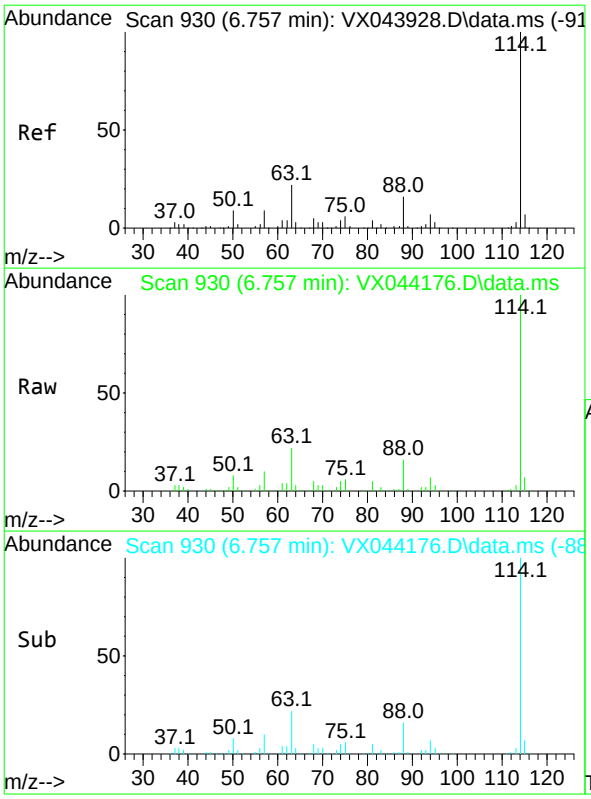


#33
1,2-Dichloroethane-d4
Concen: 52.347 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX044176.D
Acq: 09 Dec 2024 10:35

Tgt Ion: 65 Resp: 114252

Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	100.8



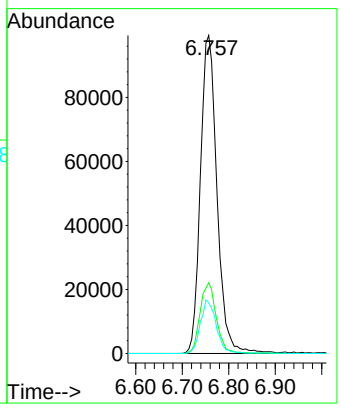


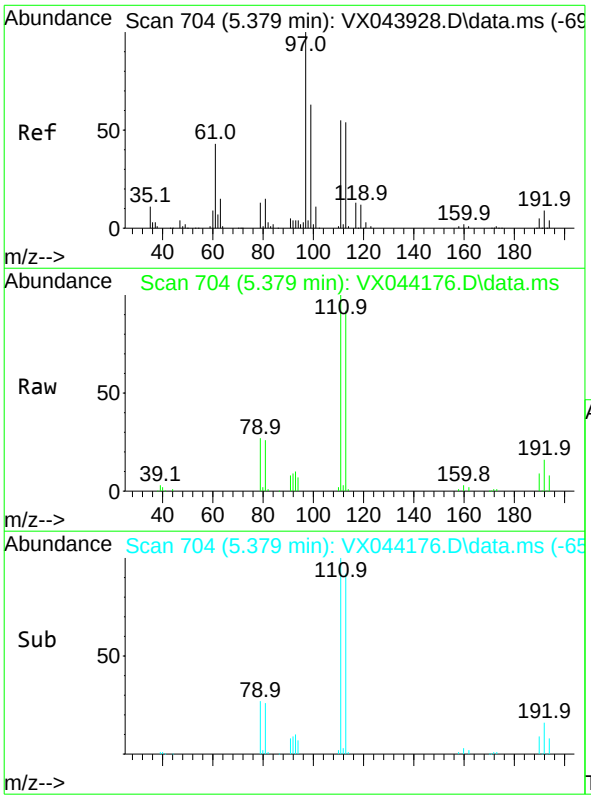
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. -0.000 min
Lab File: VX044176.D
Acq: 09 Dec 2024 10:35

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBL01

Tgt Ion:114 Resp: 245969

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	44.0
88	15.9	0.0	32.4

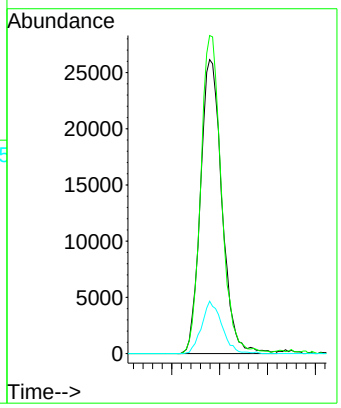


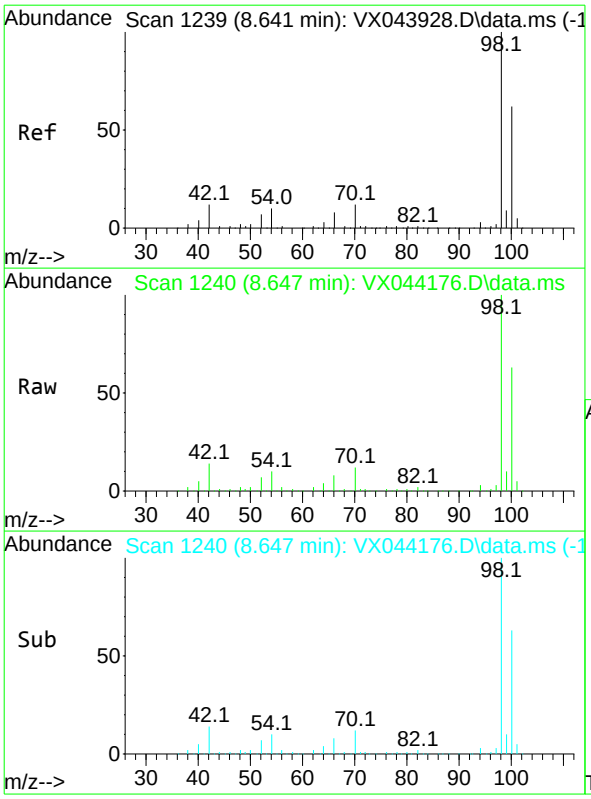


#35
Dibromofluoromethane
Concen: 46.407 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX044176.D
Acq: 09 Dec 2024 10:35

Tgt Ion:113 Resp: 81564

Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.0	121.4
192	16.8	13.0	19.6



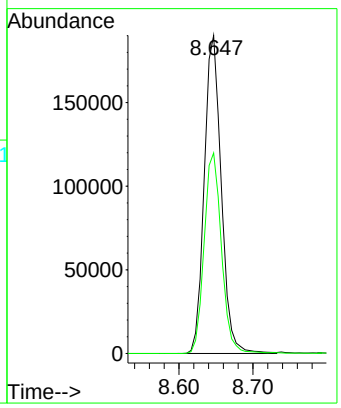


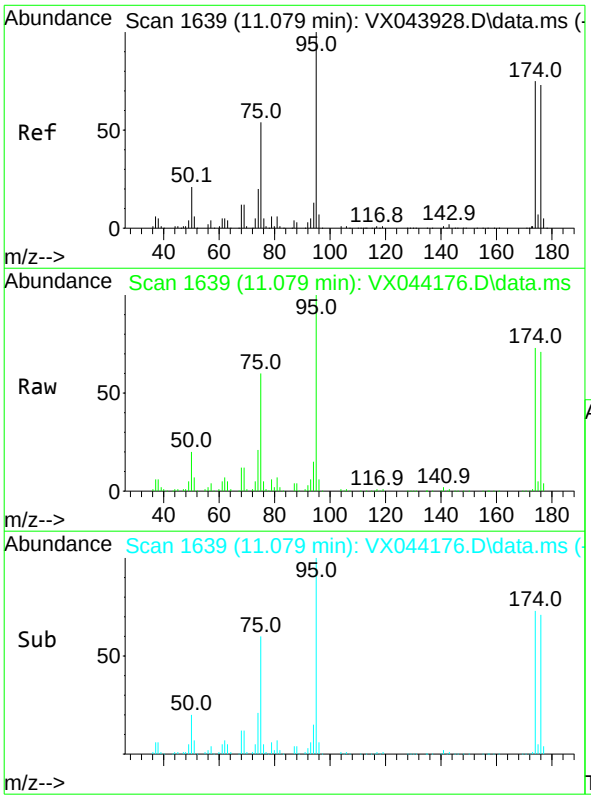
#50
Toluene-d8
Concen: 50.070 ug/l
RT: 8.647 min Scan# 12
Delta R.T. 0.006 min
Lab File: VX044176.D
Acq: 09 Dec 2024 10:35

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBL01

Tgt Ion: 98 Resp: 303349

Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.6	79.0

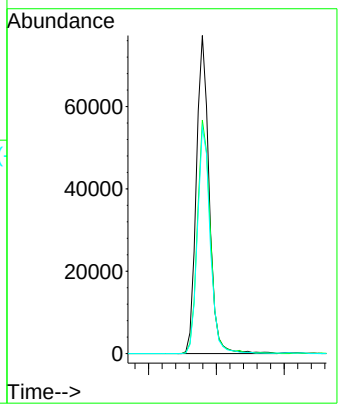


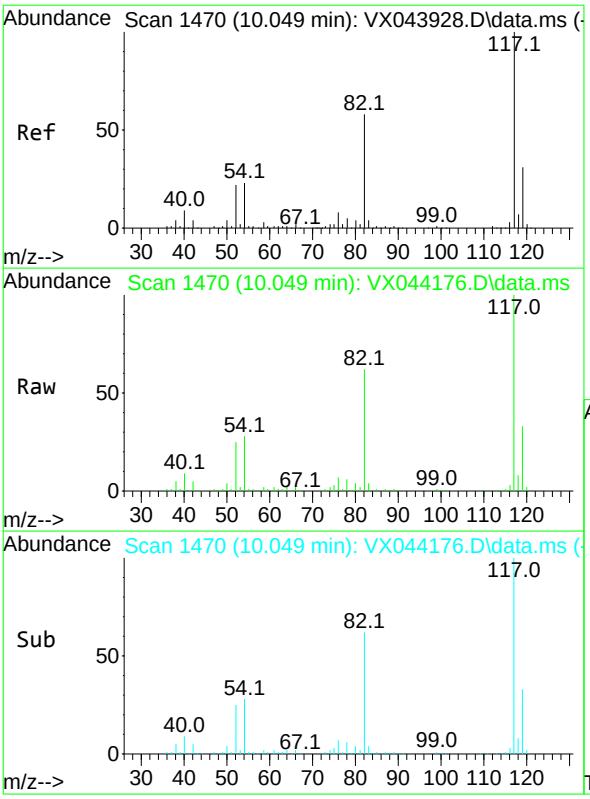


#62
4-Bromofluorobenzene
Concen: 49.214 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044176.D
Acq: 09 Dec 2024 10:35

Tgt Ion: 95 Resp: 101473

Ion	Ratio	Lower	Upper
95	100		
174	74.6	0.0	150.4
176	71.0	0.0	146.0



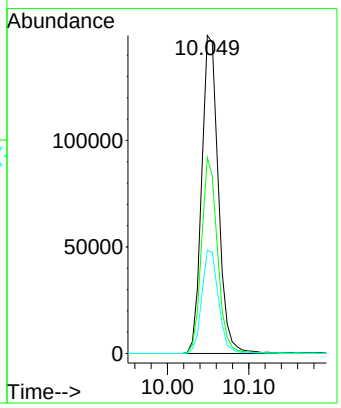


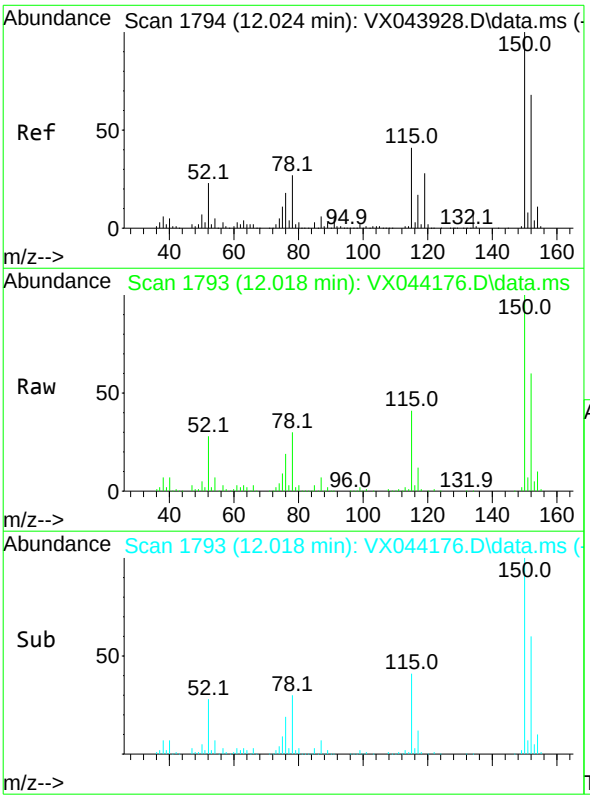
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044176.D
Acq: 09 Dec 2024 10:35

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBL01

Tgt Ion:117 Resp: 212379

Ion	Ratio	Lower	Upper
117	100		
82	61.6	46.4	69.6
119	32.5	24.6	37.0

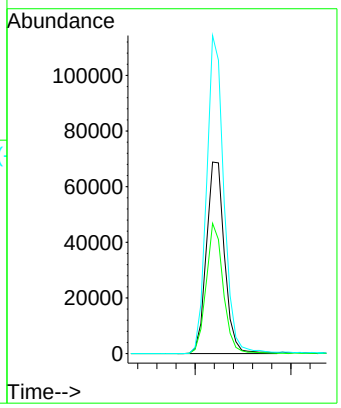




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX044176.D
Acq: 09 Dec 2024 10:35

Tgt Ion:152 Resp: 90543

Ion	Ratio	Lower	Upper
152	100		
115	63.8	45.4	136.2
150	159.0	0.0	353.0



Raw Data: **VX044199.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX1210WBL01	SDG No.:	P5164
Lab Sample ID:	VX1210WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044199.D	1		12/10/24 11:35	VX121024

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX1210WBL01	SDG No.:	P5164
Lab Sample ID:	VX1210WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044199.D	1		12/10/24 11:35	VX121024

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	49.7		81 - 118		99%	SPK: 50
1868-53-7	Dibromofluoromethane	46.4		80 - 119		93%	SPK: 50
2037-26-5	Toluene-d8	49.1		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.5		85 - 114		95%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	110000	5.544				
540-36-3	1,4-Difluorobenzene	208000	6.757				
3114-55-4	Chlorobenzene-d5	179000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	71500	12.018				

Raw Data: **VX044199.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX1210WBL01	SDG No.:	P5164
Lab Sample ID:	VX1210WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044199.D	1		12/10/24 11:35	VX121024

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: **VX044199.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044199.D
Acq On : 10 Dec 2024 11:35
Operator : JC/MD
Sample : VX1210WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1210WBL01

Quant Time: Dec 11 01:27:41 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

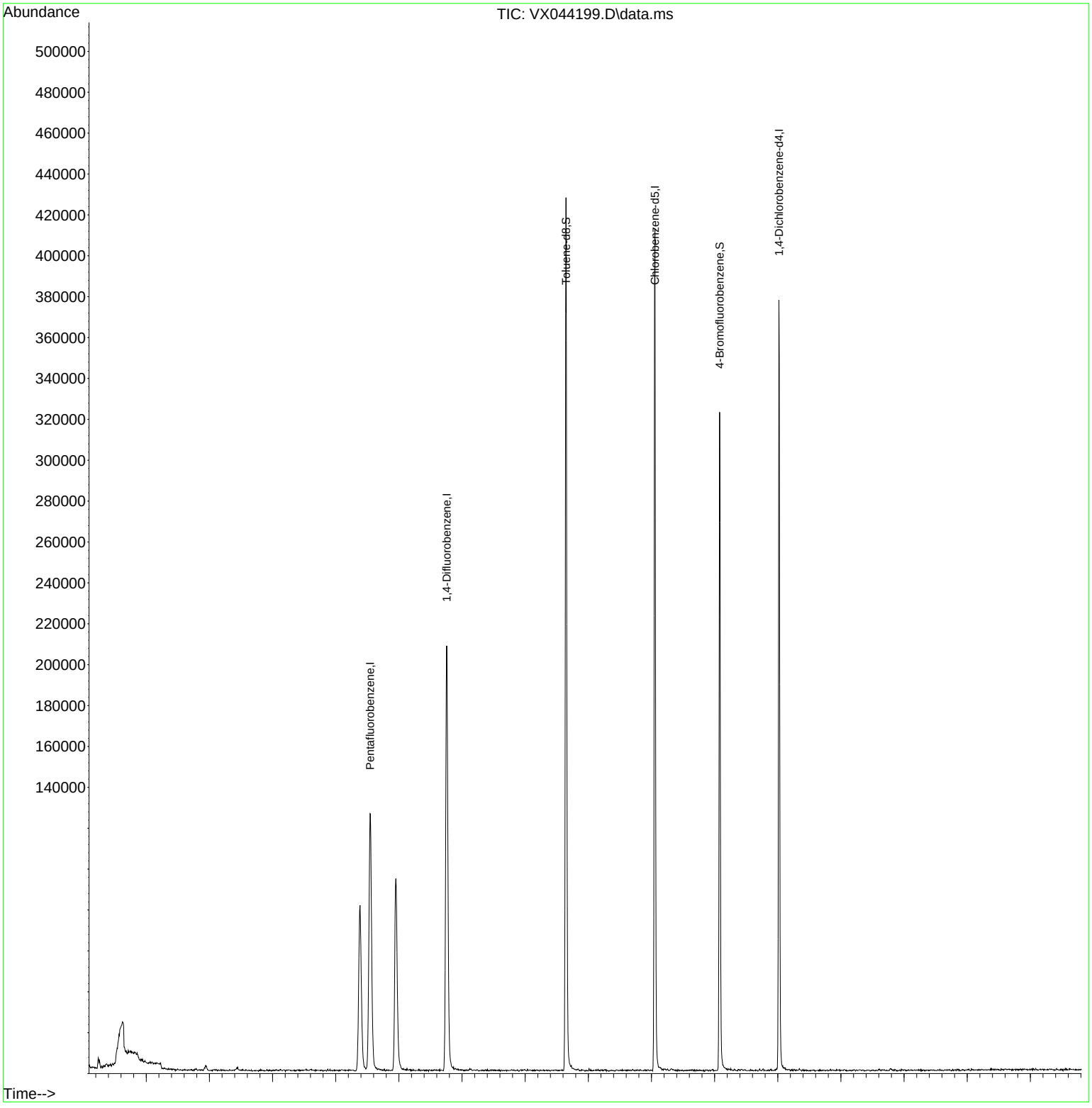
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	110263	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	207593	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	178508	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	71476	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	94012	49.710	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.420%		
35) Dibromofluoromethane	5.385	113	68829	46.401	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.800%		
50) Toluene-d8	8.647	98	251203	49.128	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.260%		
62) 4-Bromofluorobenzene	11.079	95	82733	47.543	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	95.080%		
Target Compounds						Qvalue

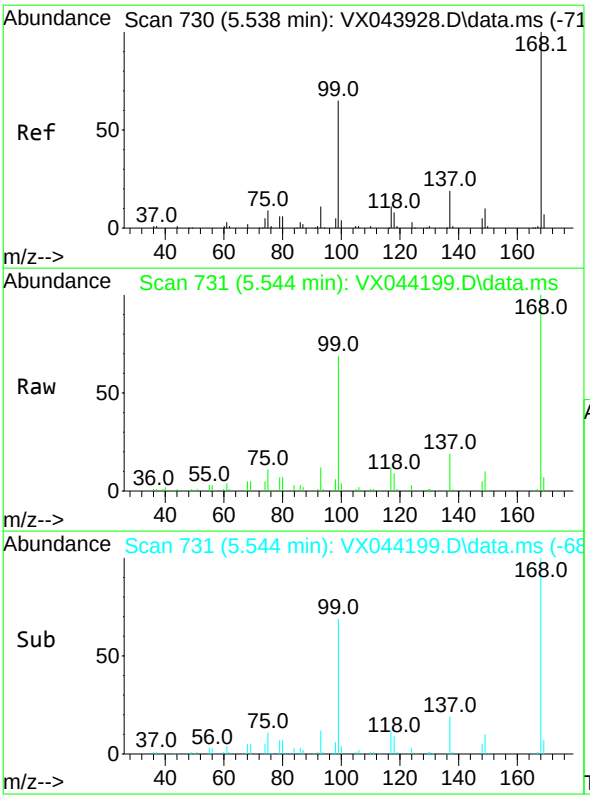
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044199.D
Acq On : 10 Dec 2024 11:35
Operator : JC/MD
Sample : VX1210WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1210WBL01

Quant Time: Dec 11 01:27:41 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



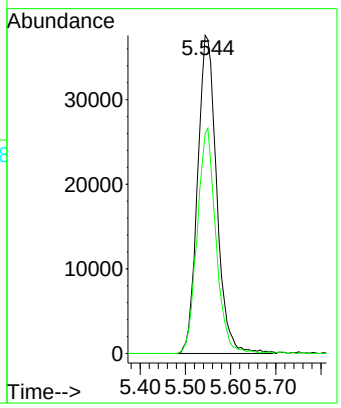


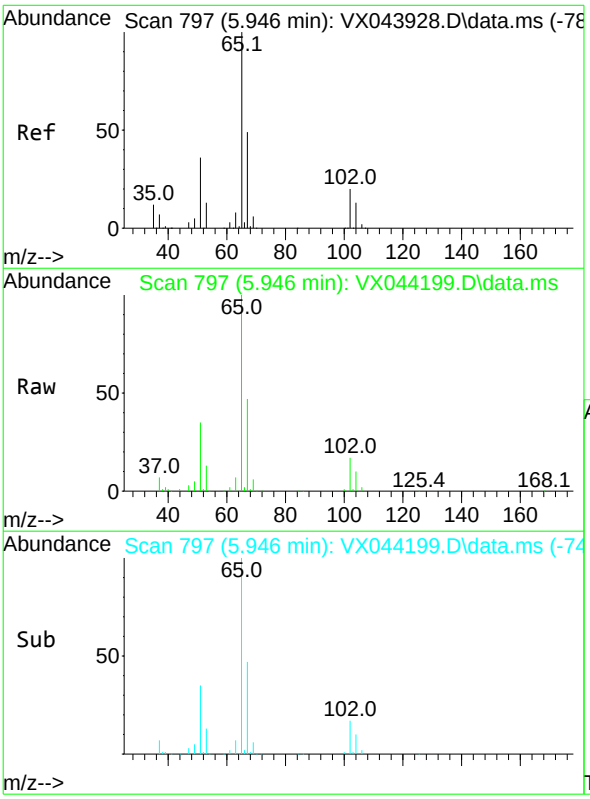
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. 0.006 min
Lab File: VX044199.D
Acq: 10 Dec 2024 11:35

Instrument :
MSVOA_X
ClientSampleId :
VX1210WBL01

Tgt Ion:168 Resp: 110263

Ion	Ratio	Lower	Upper
168	100		
99	69.2	51.8	77.8

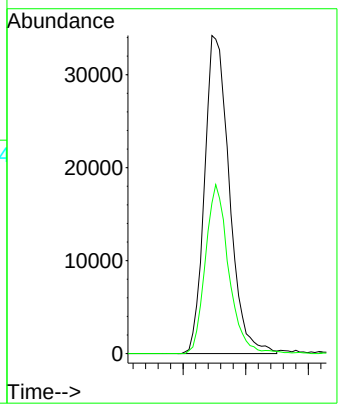


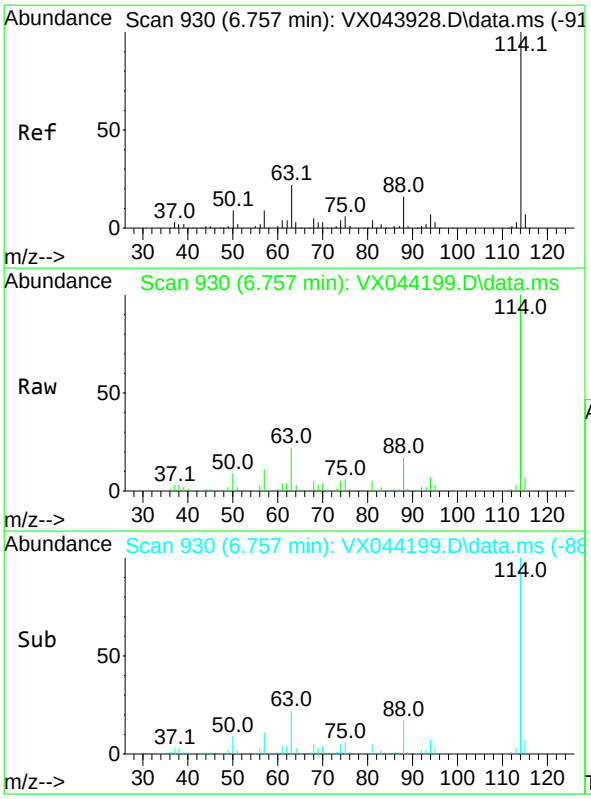


#33
1,2-Dichloroethane-d4
Concen: 49.710 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.000 min
Lab File: VX044199.D
Acq: 10 Dec 2024 11:35

Tgt Ion: 65 Resp: 94012

Ion	Ratio	Lower	Upper
65	100		
67	50.2	0.0	100.8



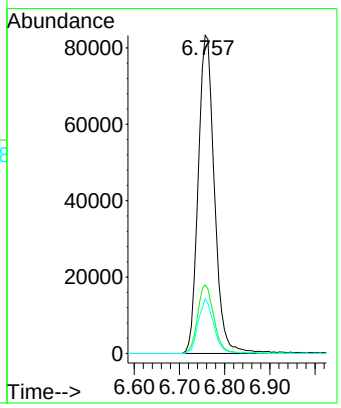


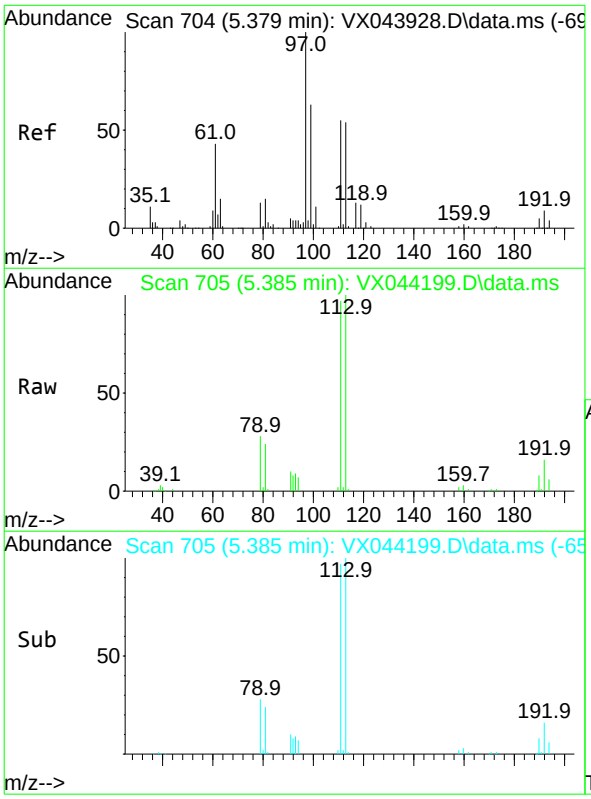
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. -0.000 min
Lab File: VX044199.D
Acq: 10 Dec 2024 11:35

Instrument :
MSVOA_X
ClientSampleId :
VX1210WBL01

Tgt Ion:114 Resp: 207593

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	44.0
88	17.2	0.0	32.4

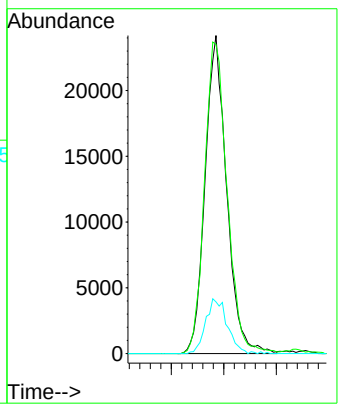


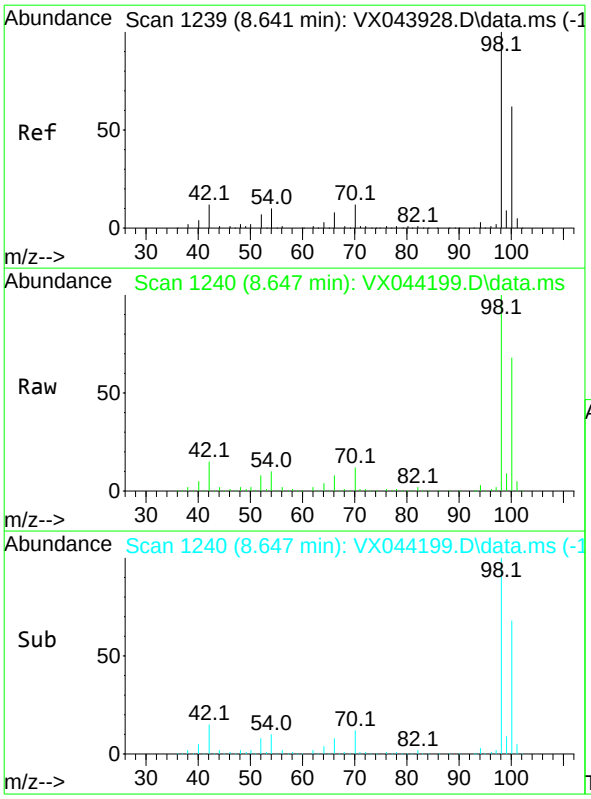


#35
Dibromofluoromethane
Concen: 46.401 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX044199.D
Acq: 10 Dec 2024 11:35

Tgt Ion:113 Resp: 68829

Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.0	121.4
192	17.3	13.0	19.6



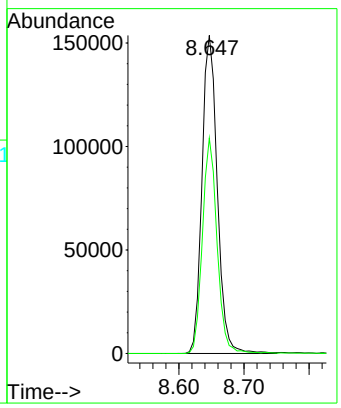


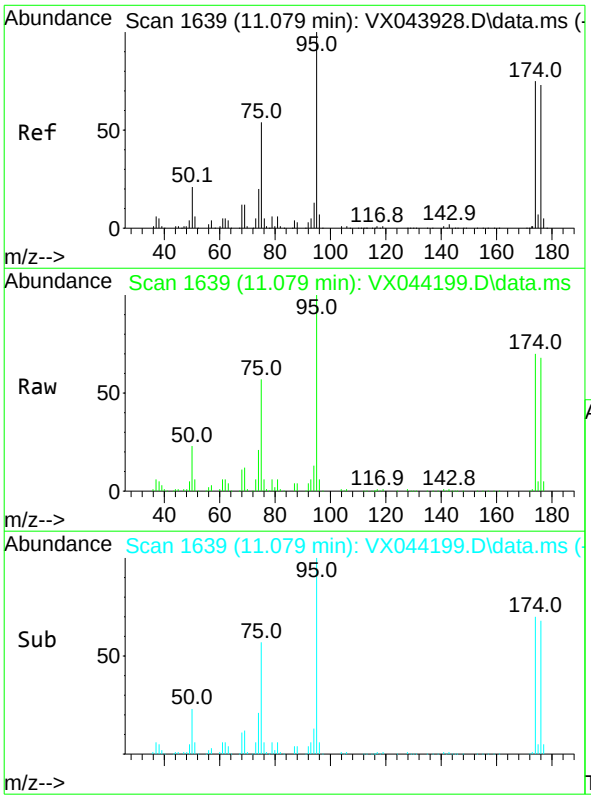
#50
Toluene-d8
Concen: 49.128 ug/l
RT: 8.647 min Scan# 12
Delta R.T. 0.006 min
Lab File: VX044199.D
Acq: 10 Dec 2024 11:35

Instrument :
MSVOA_X
ClientSampleId :
VX1210WBL01

Tgt Ion: 98 Resp: 251203

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.6	79.0

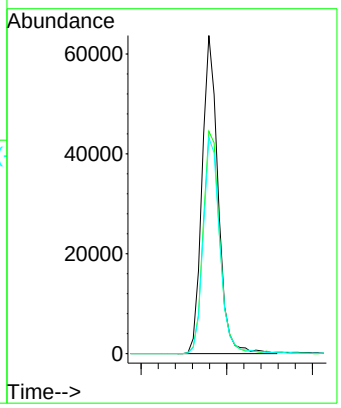


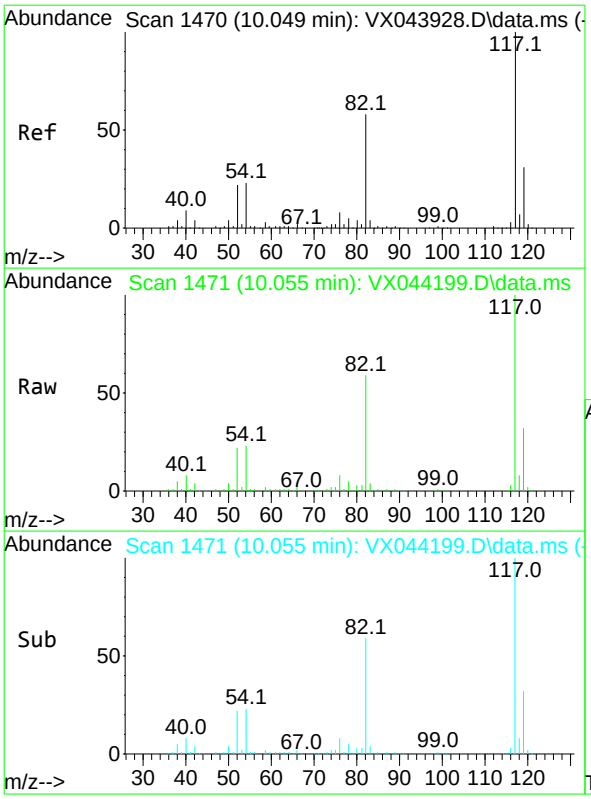


#62
4-Bromofluorobenzene
Concen: 47.543 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044199.D
Acq: 10 Dec 2024 11:35

Tgt Ion: 95 Resp: 82733

Ion	Ratio	Lower	Upper
95	100		
174	72.6	0.0	150.4
176	70.6	0.0	146.0



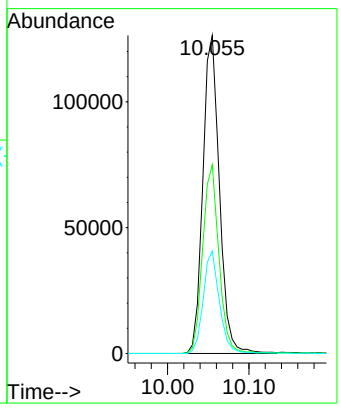


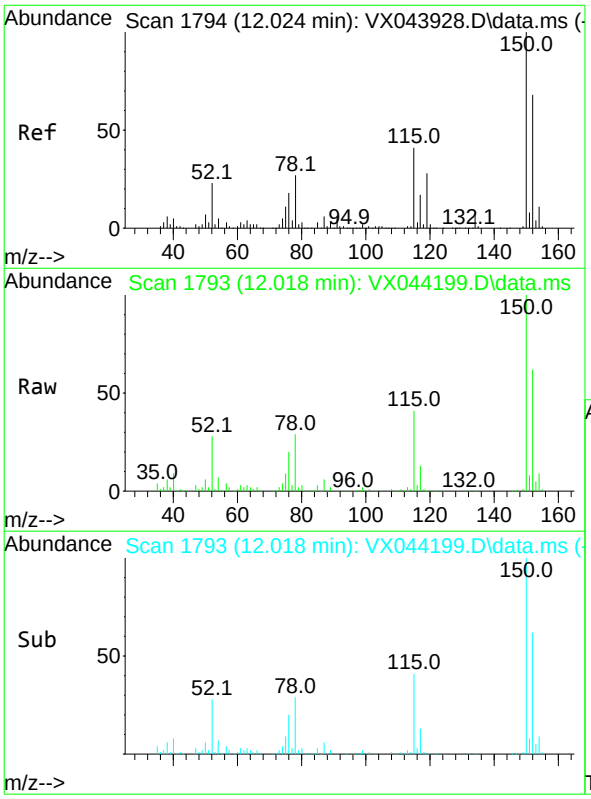
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044199.D
Acq: 10 Dec 2024 11:35

Instrument :
MSVOA_X
ClientSampleId :
VX1210WBL01

Tgt Ion:117 Resp: 178508

Ion	Ratio	Lower	Upper
117	100		
82	59.3	46.4	69.6
119	32.2	24.6	37.0

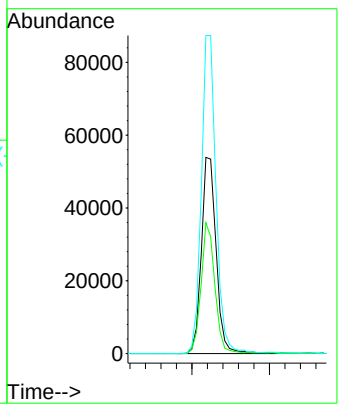




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX044199.D
Acq: 10 Dec 2024 11:35

Tgt Ion:152 Resp: 71476

Ion	Ratio	Lower	Upper
152	100		
115	62.7	45.4	136.2
150	160.5	0.0	353.0



Raw Data: **VX044178.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX1209WBS01	SDG No.:	P5164
Lab Sample ID:	VX1209WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044178.D	1		12/09/24 11:24	VX120924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	14.8		0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	15.9		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	16.0		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	19.4		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	19.9		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	18.1		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	16.9		0.26	0.75	1.00	ug/L
67-64-1	Acetone	96.9		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	13.9		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.2		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	19.8		0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	17.9		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	17.8		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.0		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	99.5		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.2		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.5		0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	21.7		0.18	0.50	1.00	ug/L
67-66-3	Chloroform	19.4		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	18.1		0.19	0.50	1.00	ug/L
71-43-2	Benzene	18.5		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.0		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	15.8		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.2		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	19.3		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	19.6		0.18	0.50	1.00	ug/L

Raw Data: **VX044178.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX1209WBS01	SDG No.:	P5164
Lab Sample ID:	VX1209WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044178.D	1		12/09/24 11:24	VX120924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	18.9		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.1		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.4		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	18.9		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.0		0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	19.9		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	18.9		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	19.7		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	38.8		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	20.2		0.14	0.50	1.00	ug/L
100-42-5	Styrene	19.6		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	17.1		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	20.2		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.1		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.2		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.0		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.2		0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	19.6		0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.6		0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.3		0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.2		81 - 118		102%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	48.7		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.8		85 - 114		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	138000	5.55				
540-36-3	1,4-Difluorobenzene	244000	6.757				
3114-55-4	Chlorobenzene-d5	209000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	95800	12.018				

Raw Data: **VX044178.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX1209WBS01	SDG No.:	P5164
Lab Sample ID:	VX1209WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044178.D	1		12/09/24 11:24	VX120924

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: **VX044178.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044178.D
Acq On : 09 Dec 2024 11:24
Operator : JC/MD
Sample : VX1209WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 10 01:38:21 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 :
VX1209WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	138067	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.757	114	244472	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	208975	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	95808	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	121268	51.209	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.420%			
35) Dibromofluoromethane	5.379	113	87968	50.357	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.720%			
50) Toluene-d8	8.647	98	293099	48.674	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.340%			
62) 4-Bromofluorobenzene	11.079	95	104206	50.849	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	25847	14.777	ug/l	99
3) Chloromethane	1.295	50	29200	15.865	ug/l	99
4) Vinyl Chloride	1.374	62	31291	15.983	ug/l	99
5) Bromomethane	1.593	94	23368	19.403	ug/l	94
6) Chloroethane	1.666	64	23761	19.919	ug/l	99
7) Trichlorofluoromethane	1.868	101	68333	19.523	ug/l	99
8) Diethyl Ether	2.130	74	24094	18.887	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	30299	18.148	ug/l	99
10) Methyl Iodide	2.441	142	37303	17.890	ug/l	97
11) Tert butyl alcohol	2.989	59	33332	87.693	ug/l	99
12) 1,1-Dichloroethene	2.307	96	26910	16.915	ug/l	98
13) Acrolein	2.233	56	41729	104.156	ug/l	95
14) Allyl chloride	2.654	41	46940	18.057	ug/l	96
15) Acrylonitrile	3.069	53	89926	97.083	ug/l	98
16) Acetone	2.386	43	105420	96.925	ug/l	98
17) Carbon Disulfide	2.502	76	45722	13.932	ug/l	97
18) Methyl Acetate	2.703	43	50065	19.766	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	116673	20.197	ug/l	98
20) Methylene Chloride	2.782	84	33093	17.930	ug/l	96
21) trans-1,2-Dichloroethene	3.081	96	29302	17.839	ug/l	96
22) Diisopropyl ether	3.764	45	109479	19.695	ug/l	97
23) Vinyl Acetate	3.721	43	463465	97.466	ug/l	99
24) 1,1-Dichloroethane	3.599	63	60828	18.969	ug/l	98
25) 2-Butanone	4.562	43	139590	99.466	ug/l	99
26) 2,2-Dichloropropane	4.465	77	53179	18.362	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	37635	18.536	ug/l	99
28) Bromochloromethane	4.891	49	30600	21.678	ug/l	97
29) Tetrahydrofuran	5.007	42	84862	98.634	ug/l	99
30) Chloroform	5.087	83	67049	19.440	ug/l	94
31) Cyclohexane	5.458	56	47372	17.949	ug/l	92
32) 1,1,1-Trichloroethane	5.373	97	57469	19.322	ug/l	100
36) 1,1-Dichloropropene	5.690	75	41223	18.937	ug/l	98
37) Ethyl Acetate	4.715	43	52058	19.266	ug/l	99
38) Carbon Tetrachloride	5.672	117	44537	18.208	ug/l	95
39) Methylcyclohexane	7.373	83	51187	18.100	ug/l	95
40) Benzene	6.031	78	125330	18.484	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044178.D
Acq On : 09 Dec 2024 11:24
Operator : JC/MD
Sample : VX1209WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 10 01:38:21 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 :
VX1209WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.922	41	28061	20.290 ug/l	95
42) 1,2-Dichloroethane	6.086	62	54359	19.961 ug/l	98
43) Isopropyl Acetate	6.342	43	87044	20.241 ug/l	99
44) Trichloroethene	7.123	130	30375	15.824 ug/l	88
45) 1,2-Dichloropropane	7.428	63	31819	19.160 ug/l	96
46) Dibromomethane	7.580	93	25677	19.545 ug/l	99
47) Bromodichloromethane	7.818	83	45411	19.274 ug/l	94
48) Methyl methacrylate	7.690	41	39967	19.369 ug/l	98
49) 1,4-Dioxane	7.665	88	9999	272.034 ug/l #	85
51) 4-Methyl-2-Pentanone	8.574	43	272719	103.922 ug/l	97
52) Toluene	8.714	92	79528	19.596 ug/l	99
53) t-1,3-Dichloropropene	8.976	75	45407	18.899 ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	50210	19.063 ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	32520	19.411 ug/l	95
56) Ethyl methacrylate	9.116	69	52628	20.168 ug/l	99
57) 1,3-Dichloropropane	9.305	76	56861	20.148 ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	120482	83.607 ug/l	98
59) 2-Hexanone	9.433	43	206270	104.575 ug/l	99
60) Dibromochloromethane	9.519	129	31752	18.890 ug/l	98
61) 1,2-Dibromoethane	9.610	107	33872	19.995 ug/l	97
64) Tetrachloroethene	9.269	164	27438	19.912 ug/l	94
65) Chlorobenzene	10.079	112	86930	18.940 ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	29738	19.979 ug/l	98
67) Ethyl Benzene	10.189	91	153285	19.709 ug/l	99
68) m/p-Xylenes	10.299	106	112617	38.830 ug/l	98
69) o-Xylene	10.640	106	57207	20.202 ug/l	98
70) Styrene	10.653	104	91943	19.631 ug/l	99
71) Bromoform	10.799	173	17741	17.090 ug/l #	98
73) Isopropylbenzene	10.963	105	148847	20.211 ug/l	99
74) N-amyl acetate	10.842	43	68730	20.145 ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	50588	20.061 ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	42281m	20.124 ug/l	
77) Bromobenzene	11.195	156	34426	19.595 ug/l	99
78) n-propylbenzene	11.305	91	165076	20.069 ug/l	100
79) 2-Chlorotoluene	11.360	91	103092	19.821 ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	121500	20.053 ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	12436	16.151 ug/l	88
82) 4-Chlorotoluene	11.451	91	115232	19.624 ug/l	99
83) tert-Butylbenzene	11.713	119	122790	20.446 ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	124841	20.696 ug/l	96
85) sec-Butylbenzene	11.890	105	148512	20.184 ug/l	100
86) p-Isopropyltoluene	12.006	119	125408	20.982 ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	61556	19.238 ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	61826	18.952 ug/l	95
89) n-Butylbenzene	12.329	91	104032	19.742 ug/l	99
90) Hexachloroethane	12.536	117	17841	17.554 ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	61888	19.166 ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.939	75	9884	19.561 ug/l	93
93) 1,2,4-Trichlorobenzene	13.585	180	35332	18.559 ug/l	100
94) Hexachlorobutadiene	13.725	225	14463	19.222 ug/l	97
95) Naphthalene	13.774	128	139855	20.408 ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	37158	19.284 ug/l	97

Sample Results: **VX044178.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044178.D
Acq On : 09 Dec 2024 11:24
Operator : JC/MD
Sample : VX1209WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 10 01:38:21 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 :
VX1209WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

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

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

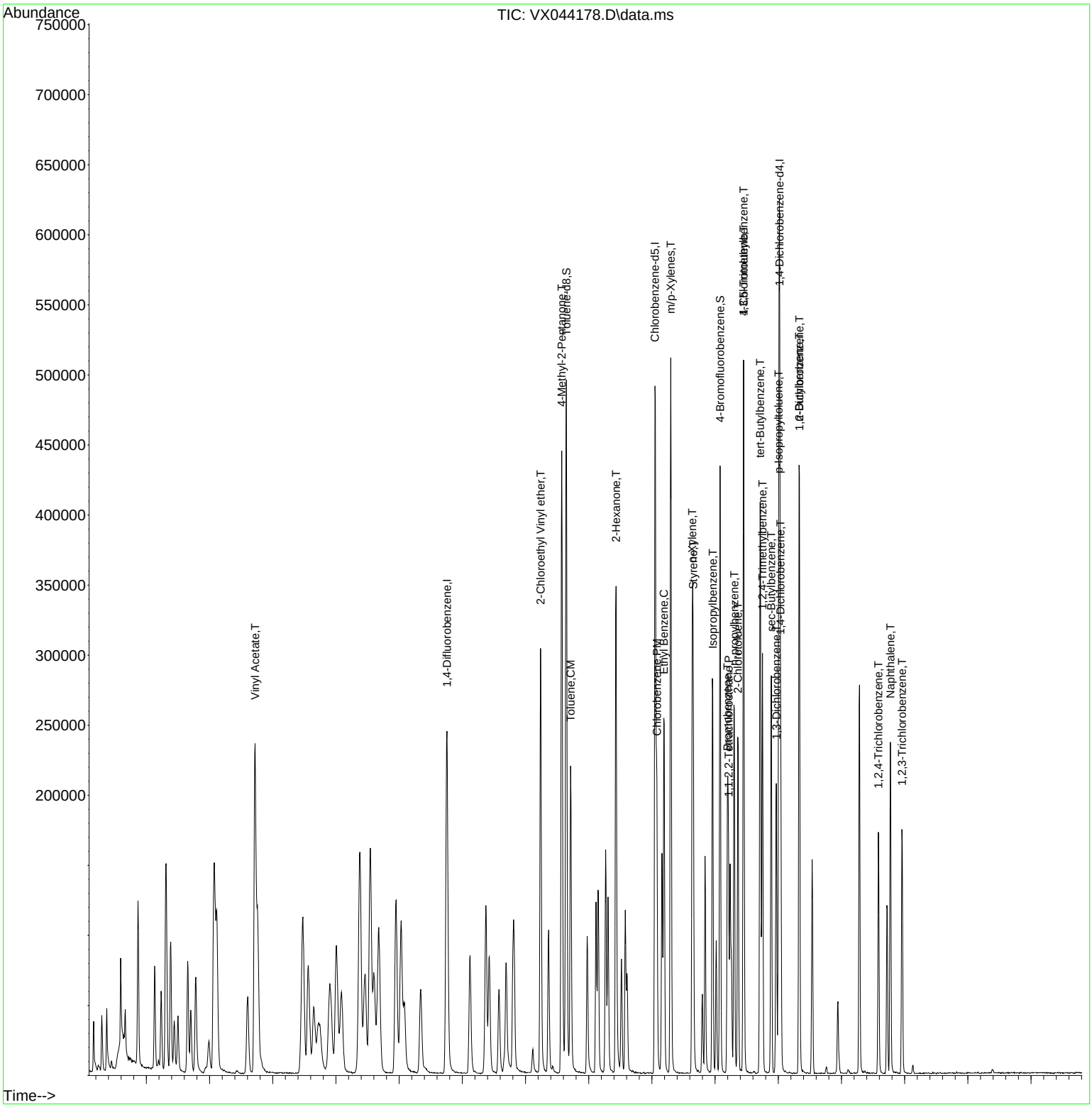
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044178.D
Acq On : 09 Dec 2024 11:24
Operator : JC/MD
Sample : VX1209WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

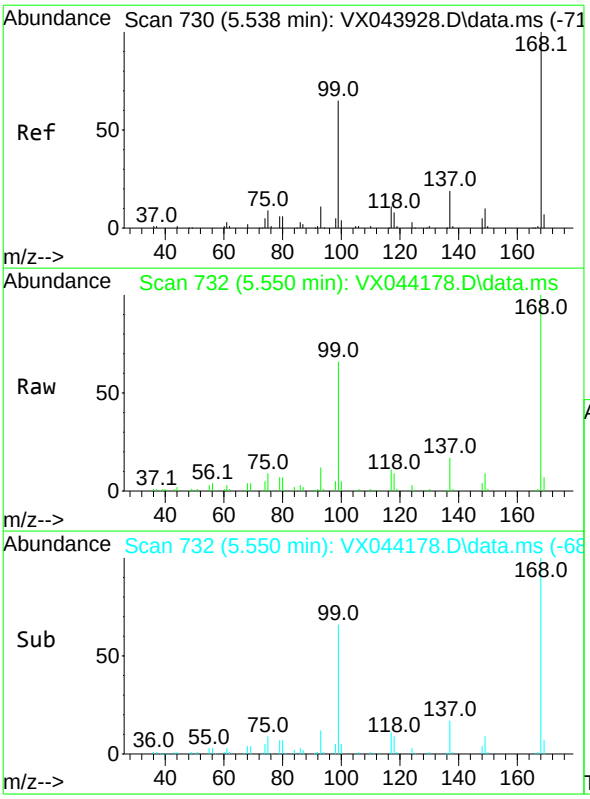
Quant Time: Dec 10 01:38:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

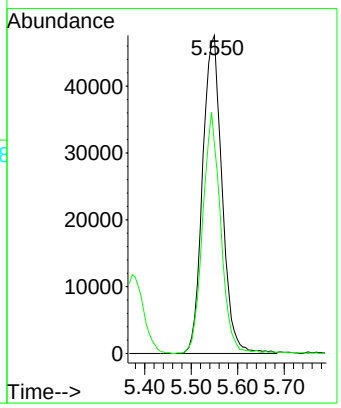




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. 0.012 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion:168 Resp: 138067

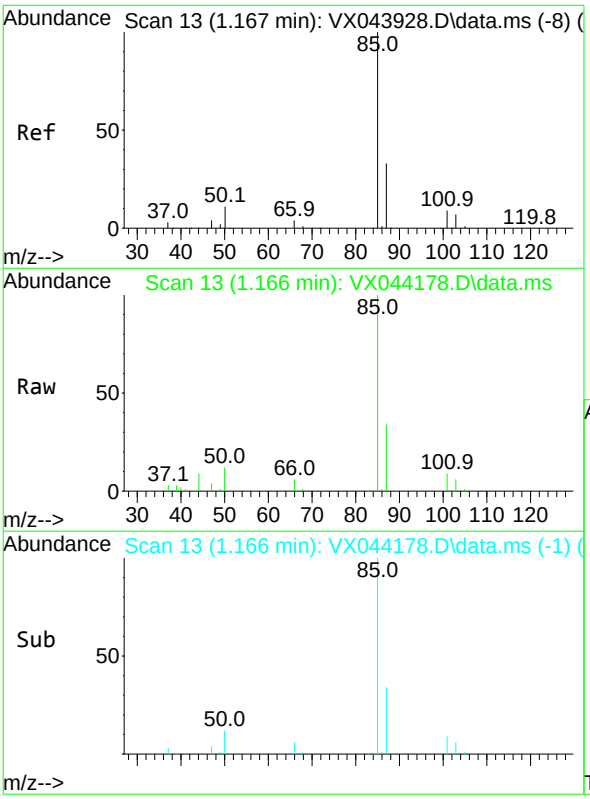
Ion	Ratio	Lower	Upper
168	100		
99	65.6	51.8	77.8



Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

Manual Integrations
APPROVED

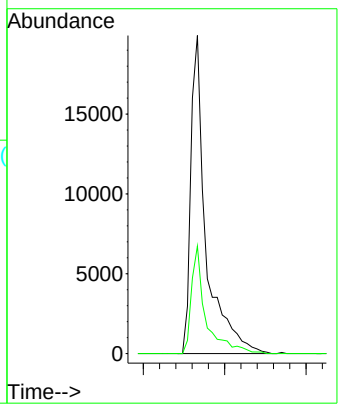
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

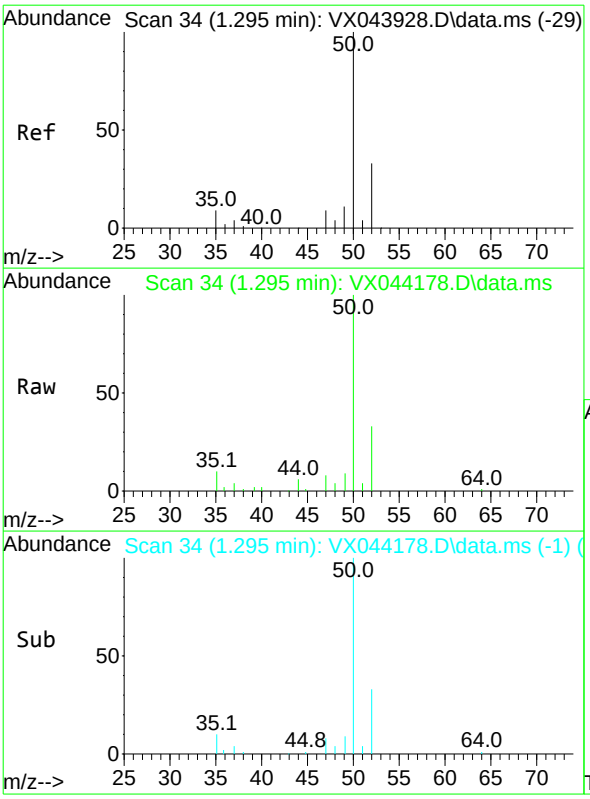


#2
Dichlorodifluoromethane
Concen: 14.777 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 85 Resp: 25847

Ion	Ratio	Lower	Upper
85	100		
87	33.8	16.6	49.8

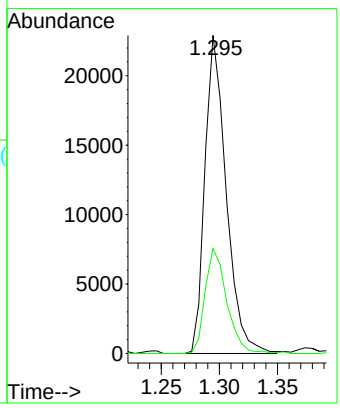




#3
Chloromethane
Concen: 15.865 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 50 Resp: 29200

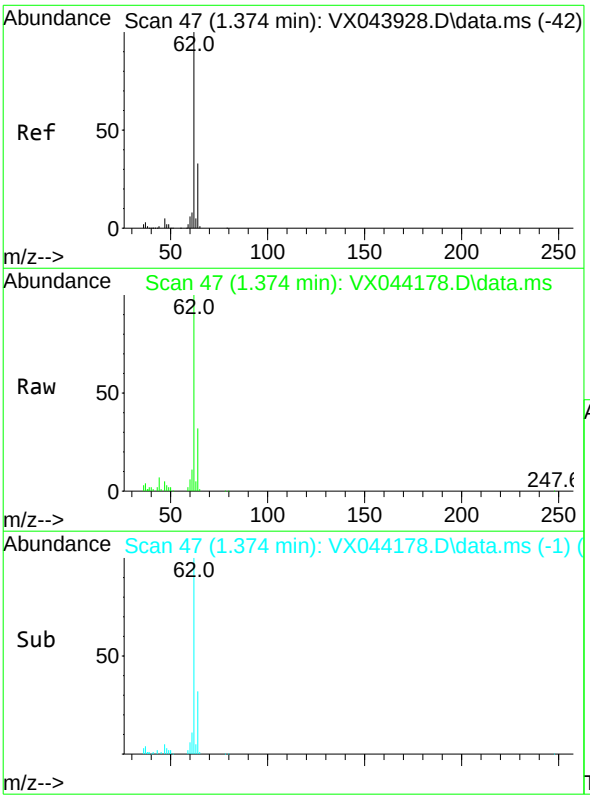
Ion	Ratio	Lower	Upper
50	100		
52	33.0	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

Manual Integrations
APPROVED

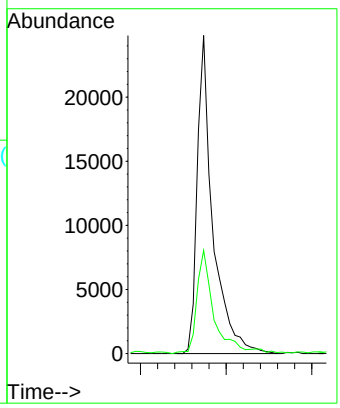
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

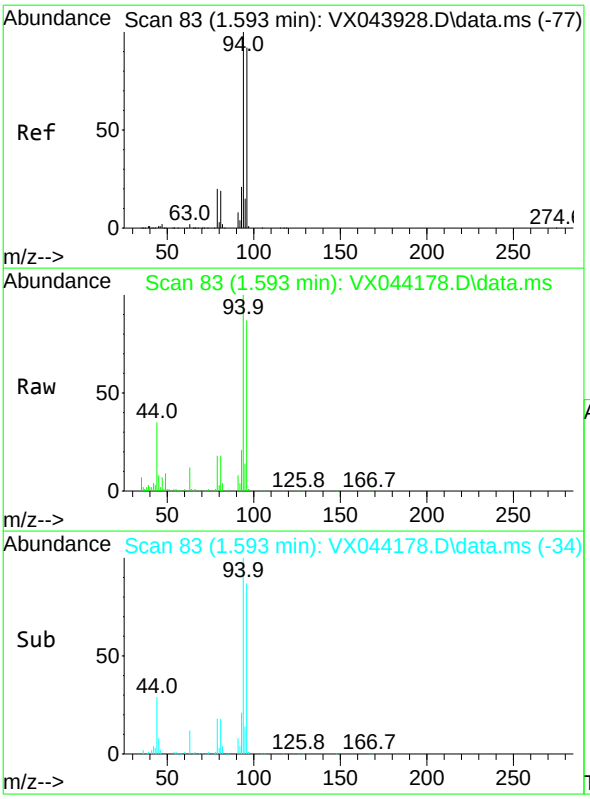


#4
Vinyl Chloride
Concen: 15.983 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 62 Resp: 31291

Ion	Ratio	Lower	Upper
62	100		
64	32.1	26.2	39.4

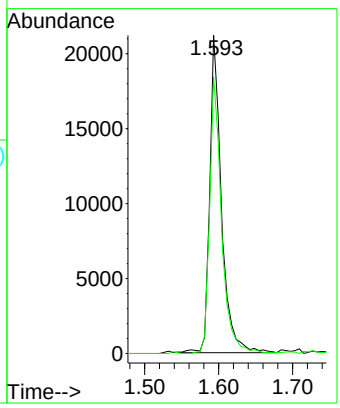




#5
Bromomethane
Concen: 19.403 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 94 Resp: 23368

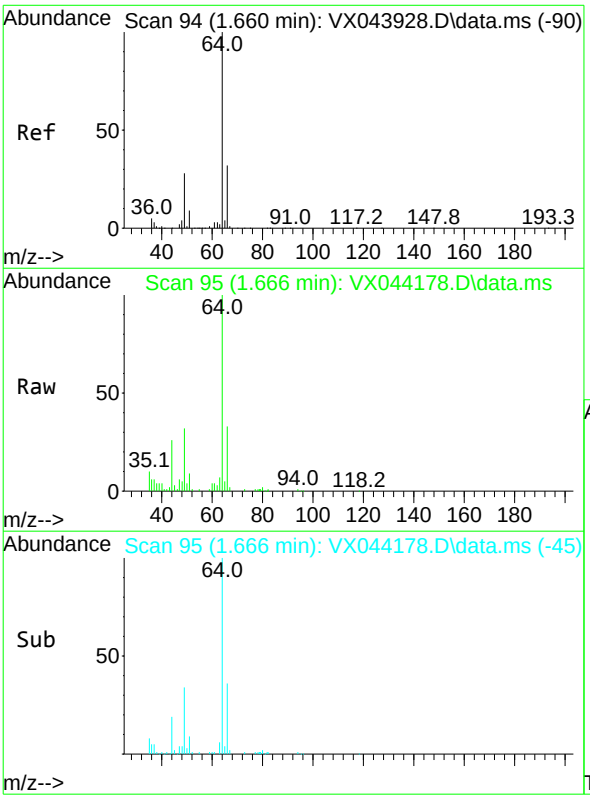
Ion	Ratio	Lower	Upper
94	100		
96	86.9	73.9	110.9



Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

Manual Integrations
APPROVED

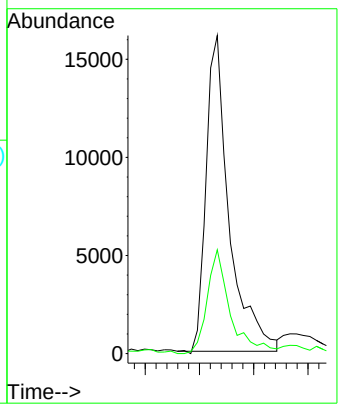
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

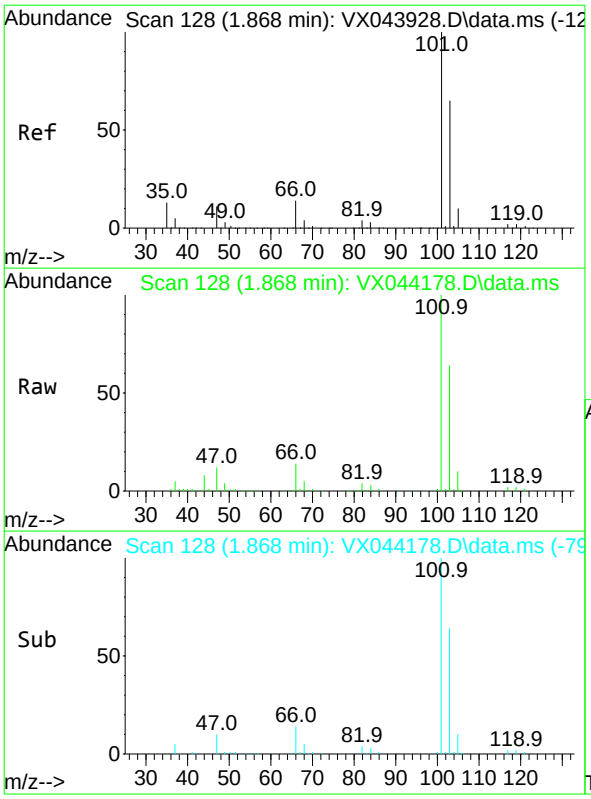


#6
Chloroethane
Concen: 19.919 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 64 Resp: 23761

Ion	Ratio	Lower	Upper
64	100		
66	32.9	25.9	38.9

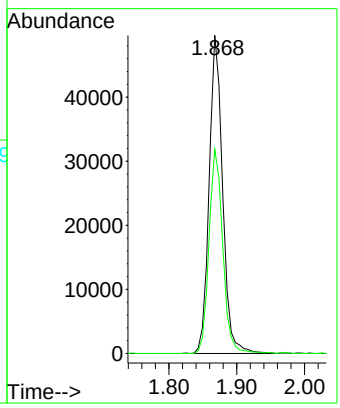




#7
Trichlorofluoromethane
Concen: 19.523 ug/l
RT: 1.868 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion:101 Resp: 68333

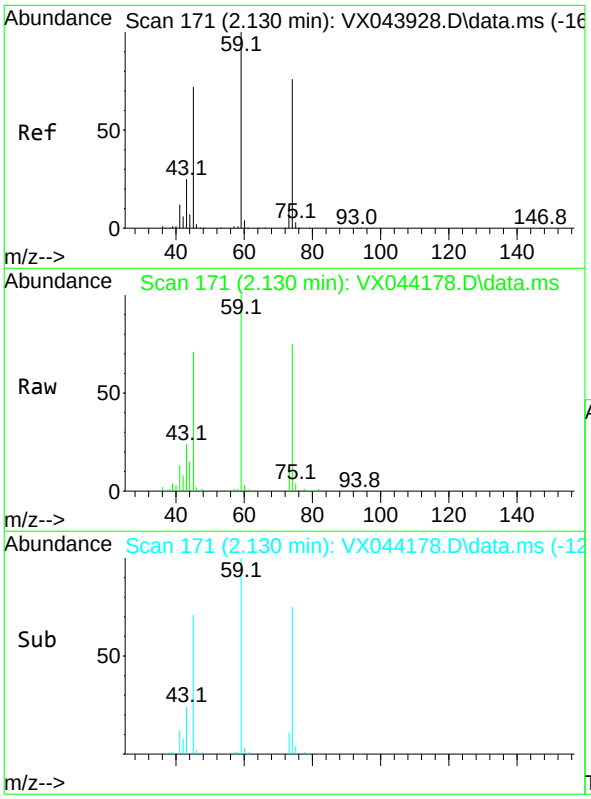
Ion	Ratio	Lower	Upper
101	100		
103	64.1	52.2	78.2



Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

Manual Integrations
APPROVED

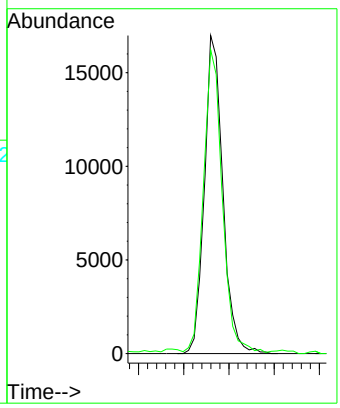
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

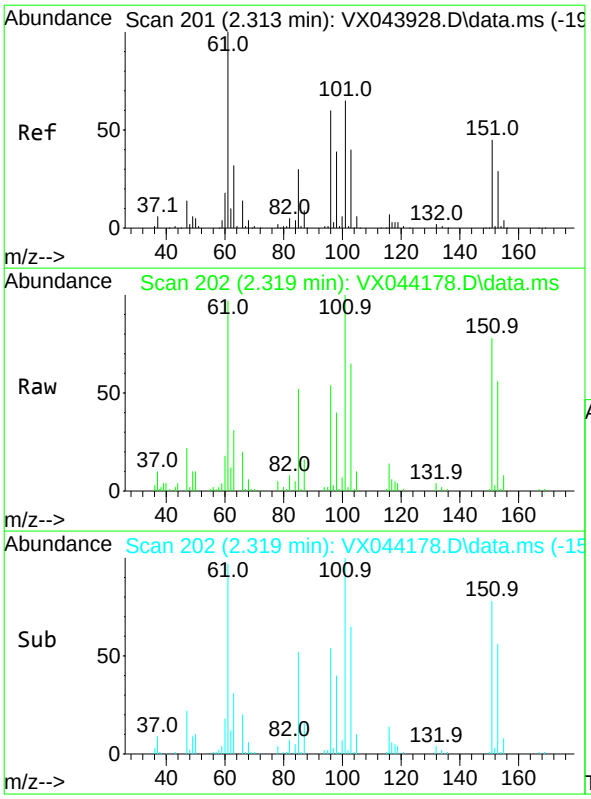


#8
Diethyl Ether
Concen: 18.887 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 74 Resp: 24094

Ion	Ratio	Lower	Upper
74	100		
45	96.9	47.9	143.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.148 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

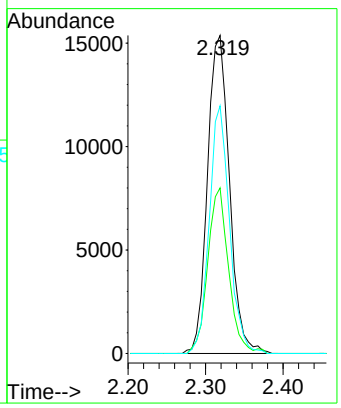
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

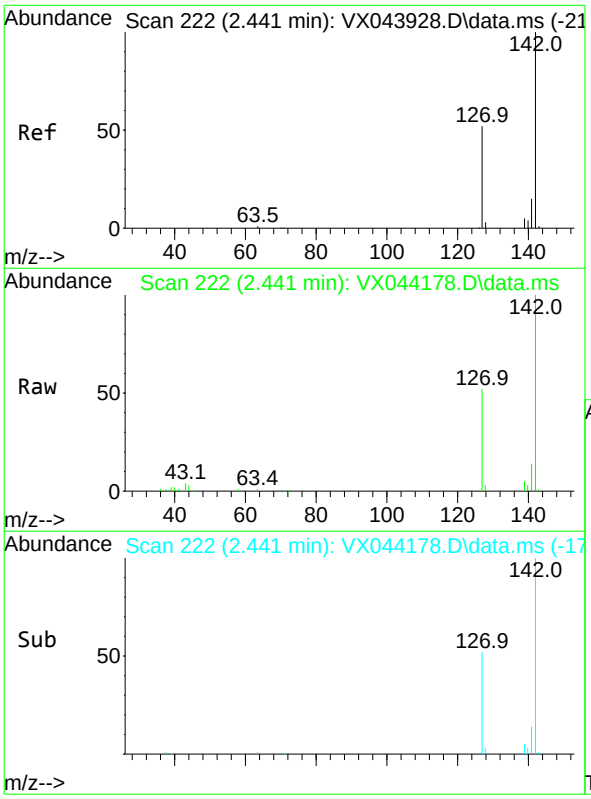
Tgt Ion:101 Resp: 30299

Ion	Ratio	Lower	Upper
101	100		
85	49.5	37.9	56.9
151	71.8	57.5	86.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

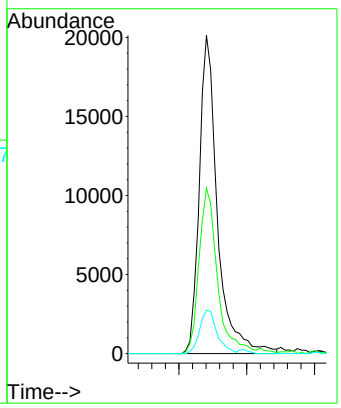


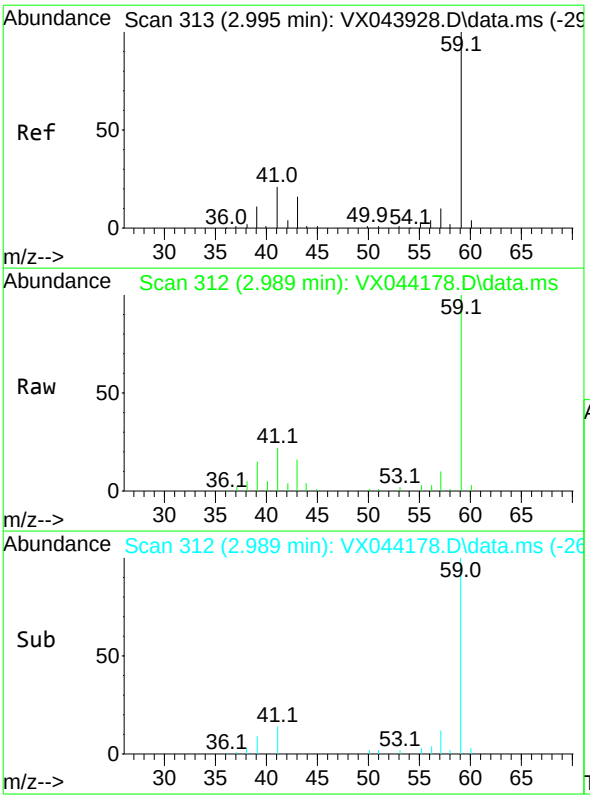


#10
Methyl Iodide
Concen: 17.890 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion:142 Resp: 37303

Ion	Ratio	Lower	Upper
142	100		
127	52.8	40.7	61.1
141	13.1	12.0	18.0

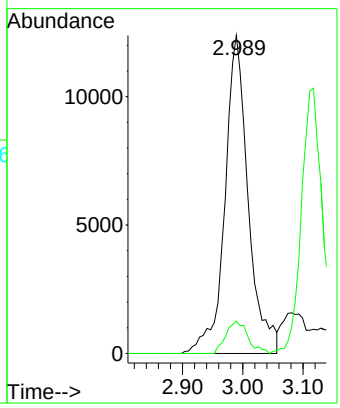




#11
Tert butyl alcohol
Concen: 87.693 ug/l
RT: 2.989 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 59 Resp: 33332

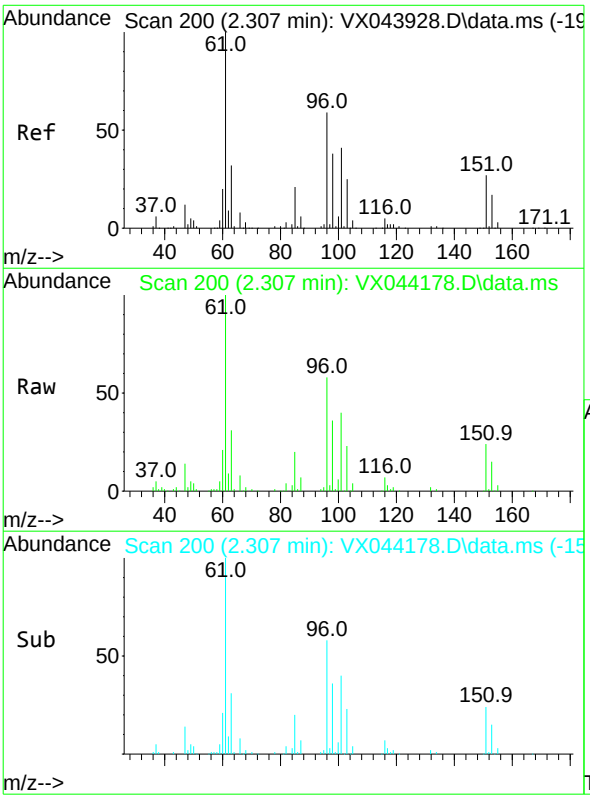
Ion	Ratio	Lower	Upper
59	100		
57	9.6	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

Manual Integrations
APPROVED

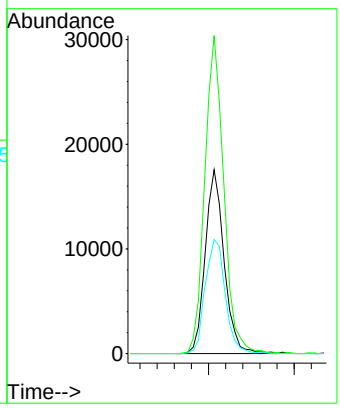
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

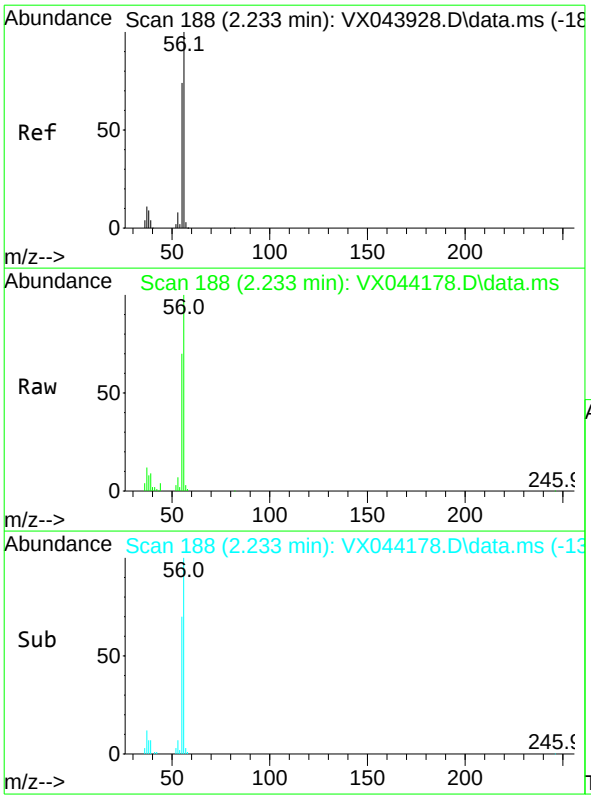


#12
1,1-Dichloroethene
Concen: 16.915 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 96 Resp: 26910

Ion	Ratio	Lower	Upper
96	100		
61	173.0	135.5	203.3
98	62.0	50.8	76.2

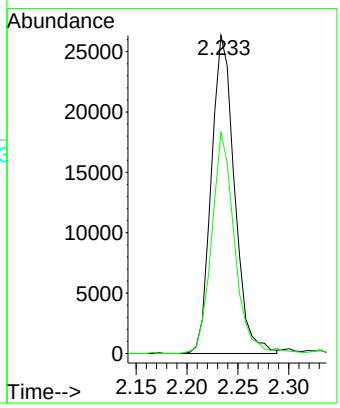




#13
Acrolein
Concen: 104.156 ug/l
RT: 2.233 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 56 Resp: 41729

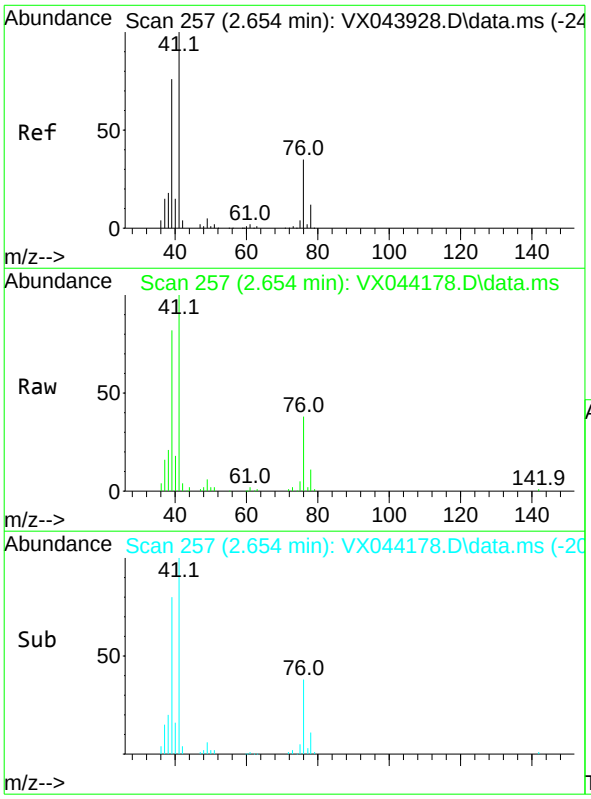
Ion	Ratio	Lower	Upper
56	100		
55	68.8	58.2	87.2



Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

Manual Integrations
APPROVED

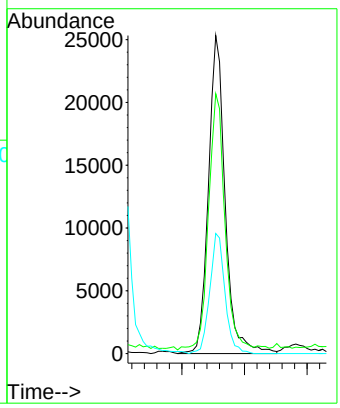
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

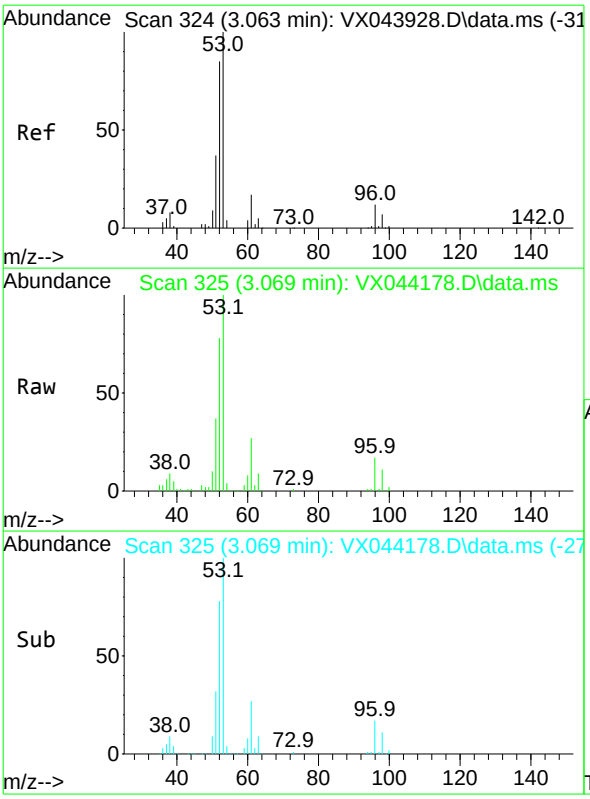


#14
Allyl chloride
Concen: 18.057 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 41 Resp: 46940

Ion	Ratio	Lower	Upper
41	100		
39	78.9	59.5	89.3
76	34.3	27.4	41.2

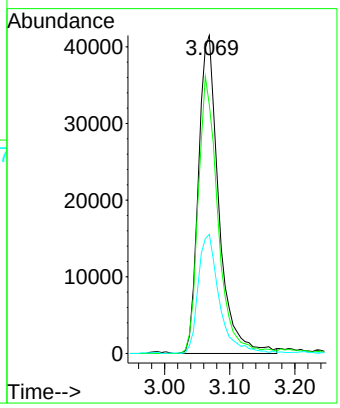




#15
Acrylonitrile
Concen: 97.083 ug/l
RT: 3.069 min Scan# 32
Delta R.T. 0.006 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 53 Resp: 89926

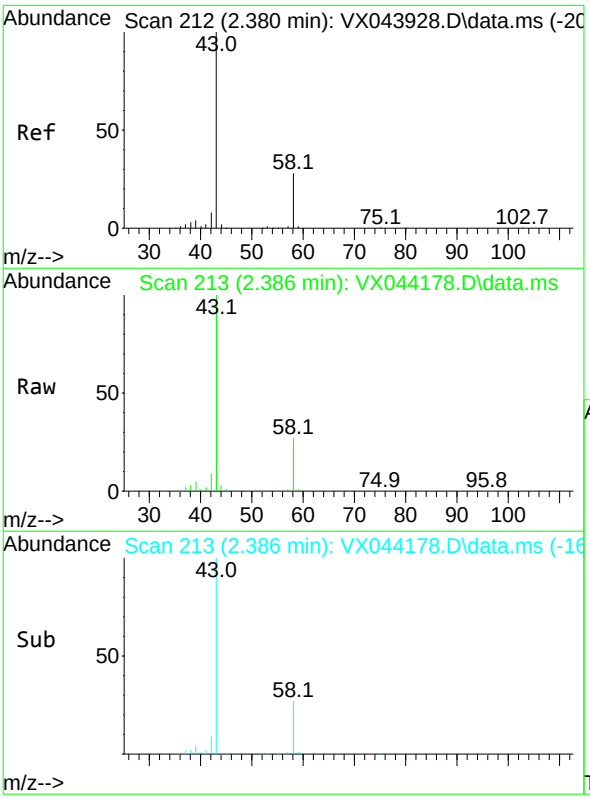
Ion	Ratio	Lower	Upper
53	100		
52	84.6	66.5	99.7
51	38.9	30.2	45.4



Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

Manual Integrations
APPROVED

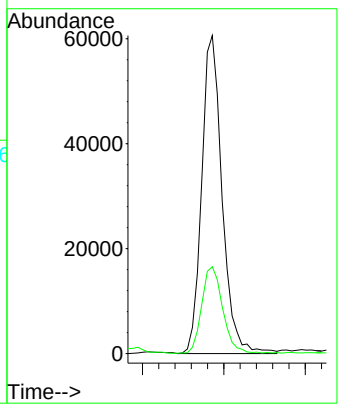
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

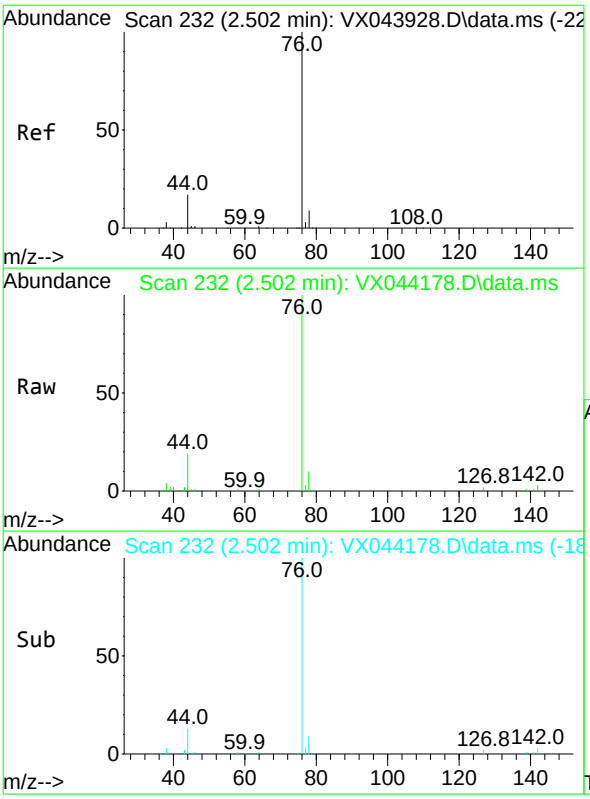


#16
Acetone
Concen: 96.925 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 43 Resp: 105420

Ion	Ratio	Lower	Upper
43	100		
58	27.2	22.7	34.1

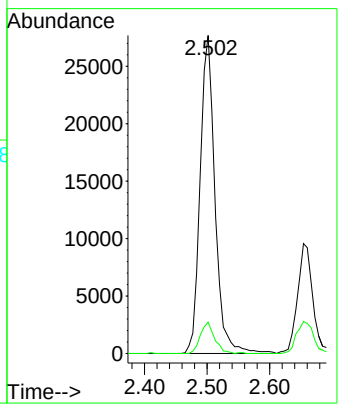




#17
Carbon Disulfide
Concen: 13.932 ug/l
RT: 2.502 min Scan# 23
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 76 Resp: 45722

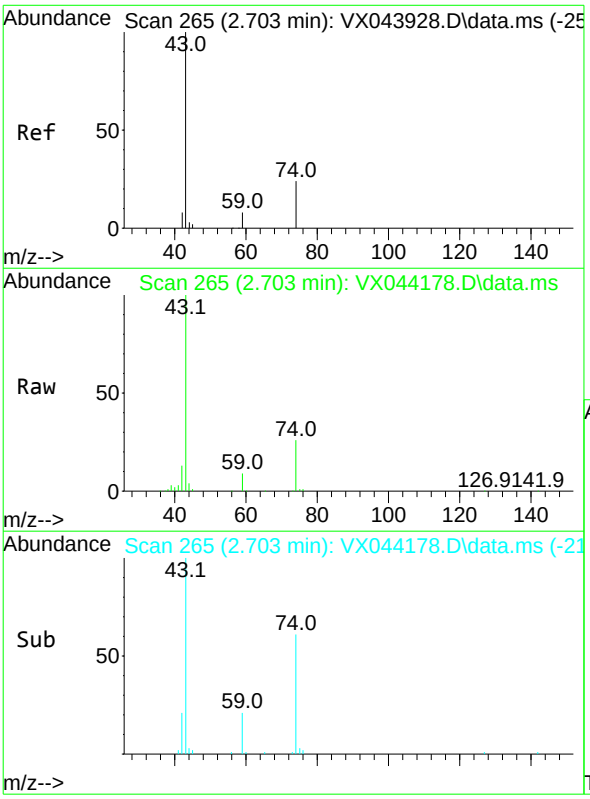
Ion	Ratio	Lower	Upper
76	100		
78	9.8	7.0	10.6



Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

Manual Integrations
APPROVED

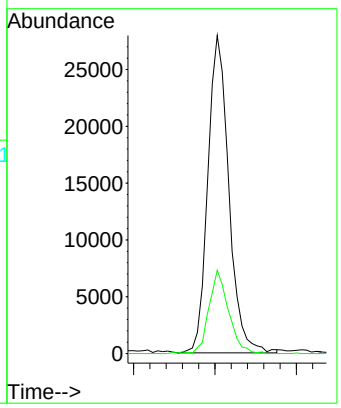
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

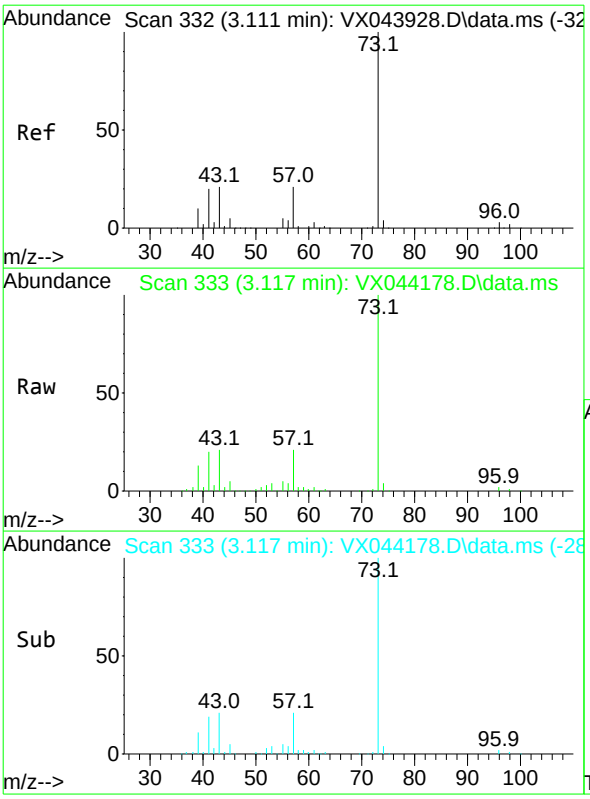


#18
Methyl Acetate
Concen: 19.766 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 43 Resp: 50065

Ion	Ratio	Lower	Upper
43	100		
74	24.7	18.9	28.3





#19
Methyl tert-butyl Ether
Concen: 20.197 ug/l
RT: 3.117 min Scan# 33
Delta R.T. 0.006 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

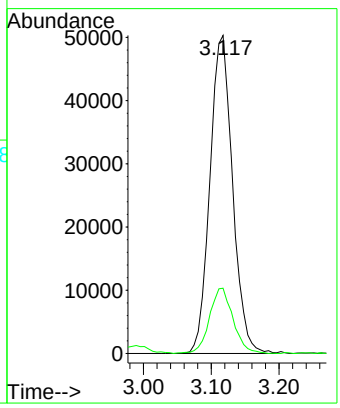
Tgt Ion: 73 Resp: 116673

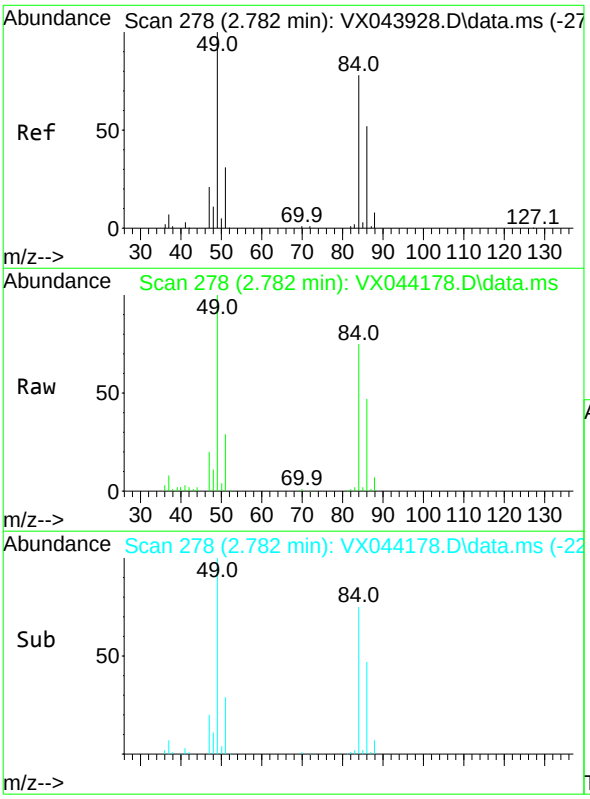
Ion	Ratio	Lower	Upper
73	100		
57	20.5	17.0	25.6

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

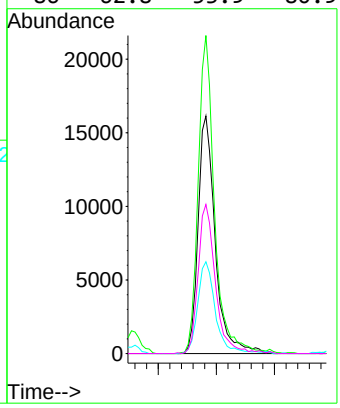


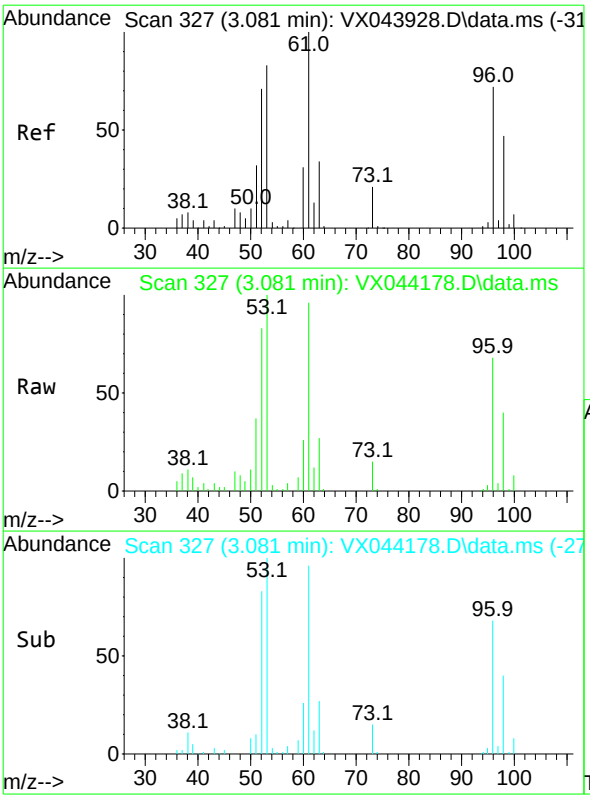


#20
Methylene Chloride
Concen: 17.930 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 84 Resp: 33093

Ion	Ratio	Lower	Upper
84	100		
49	133.8	102.7	154.1
51	38.7	31.7	47.5
86	62.8	53.9	80.9

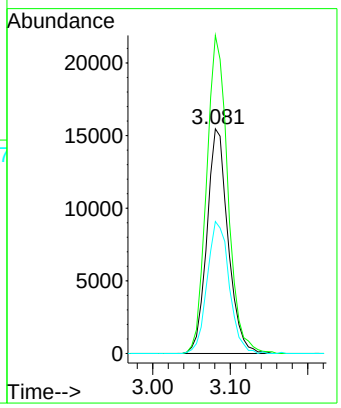




#21
trans-1,2-Dichloroethene
Concen: 17.839 ug/l
RT: 3.081 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 96 Resp: 29302

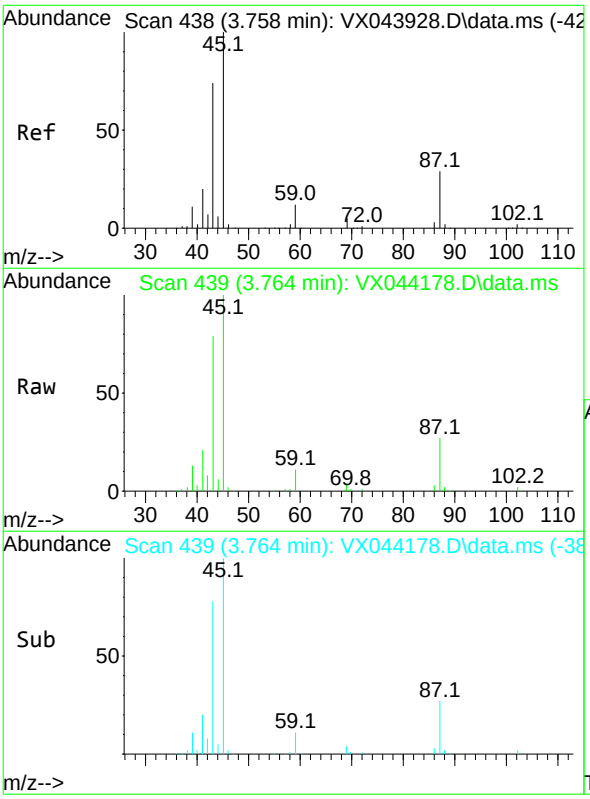
Ion	Ratio	Lower	Upper
96	100		
61	141.6	111.8	167.6
98	58.7	52.7	79.1



Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

Manual Integrations
APPROVED

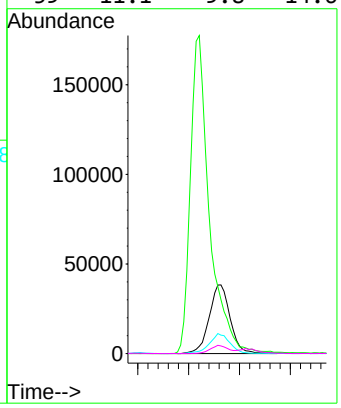
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

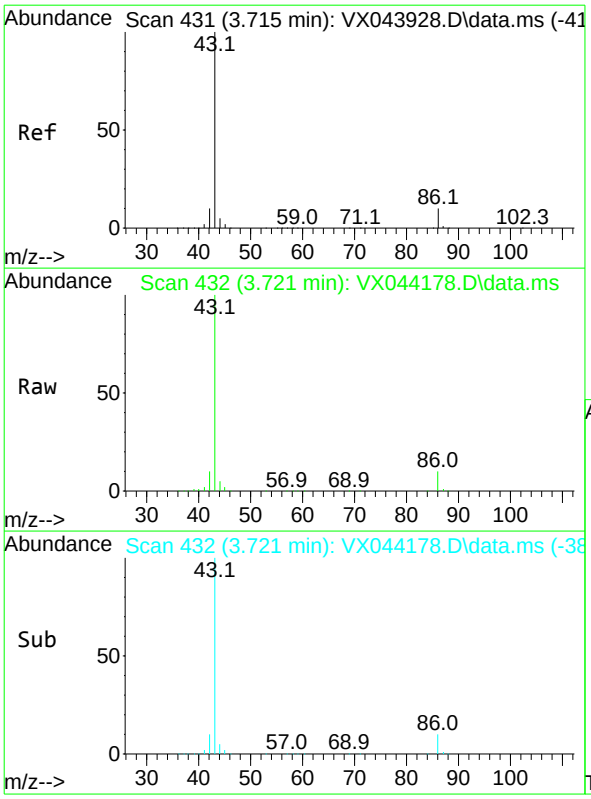


#22
Diisopropyl ether
Concen: 19.695 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 45 Resp: 109479

Ion	Ratio	Lower	Upper
45	100		
43	76.5	59.6	89.4
87	26.8	22.9	34.3
59	11.1	9.8	14.6

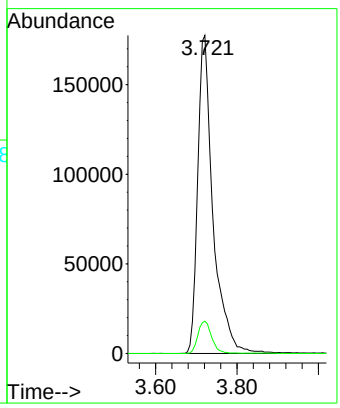




#23
Vinyl Acetate
Concen: 97.466 ug/l
RT: 3.721 min Scan# 43
Delta R.T. 0.006 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 43 Resp: 463465

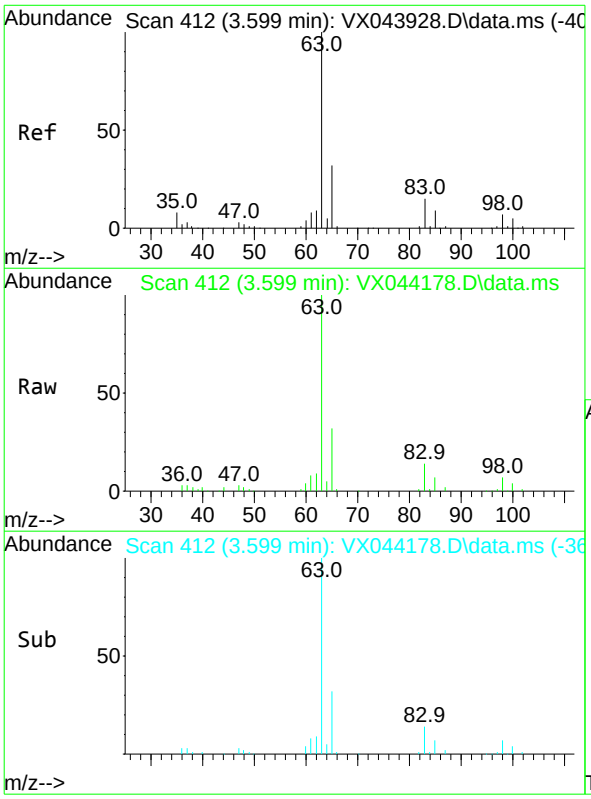
Ion	Ratio	Lower	Upper
43	100		
86	10.2	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

Manual Integrations
APPROVED

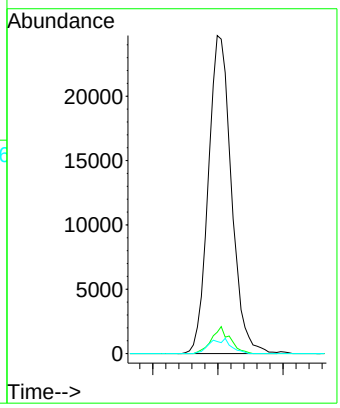
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

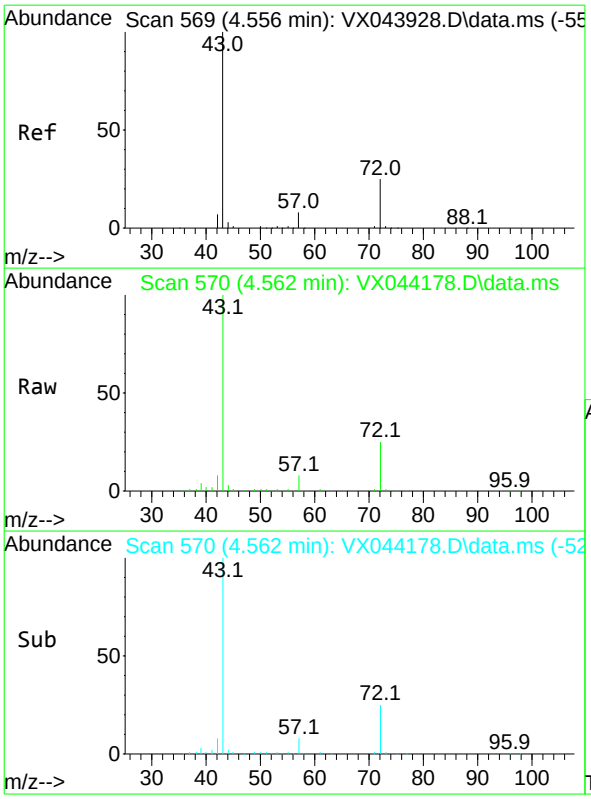


#24
1,1-Dichloroethane
Concen: 18.969 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 63 Resp: 60828

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.5	10.6
100	3.8	2.4	7.1

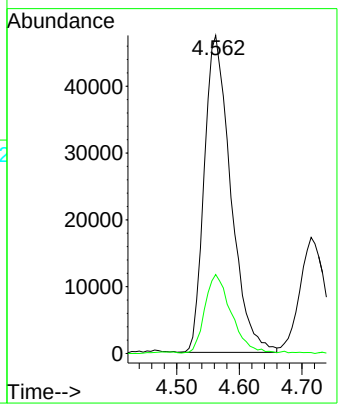




#25
2-Butanone
Concen: 99.466 ug/l
RT: 4.562 min Scan# 57
Delta R.T. 0.006 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 43 Resp: 139590

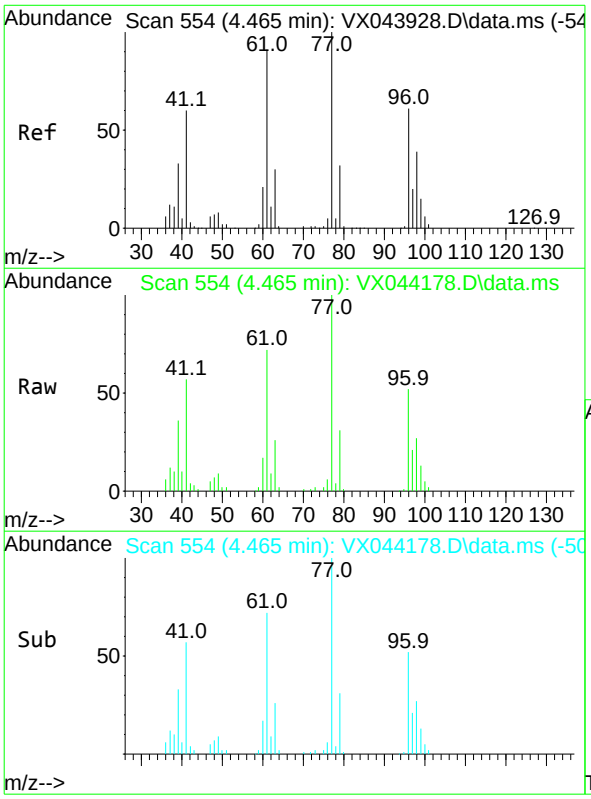
Ion	Ratio	Lower	Upper
43	100		
72	24.7	20.2	30.2



Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

Manual Integrations
APPROVED

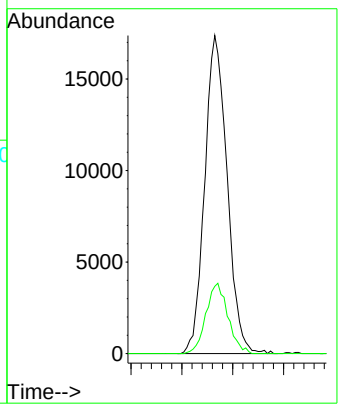
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

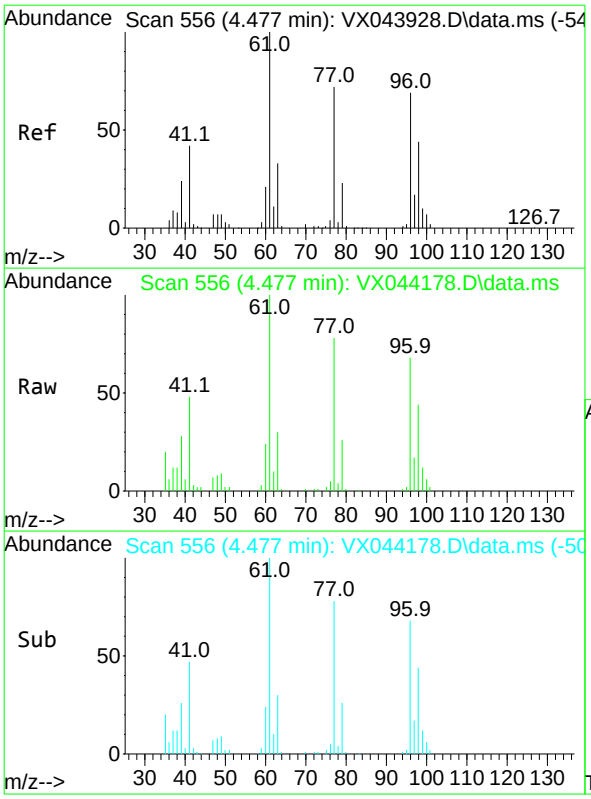


#26
2,2-Dichloropropane
Concen: 18.362 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 77 Resp: 53179

Ion	Ratio	Lower	Upper
77	100		
97	21.7	10.8	32.3

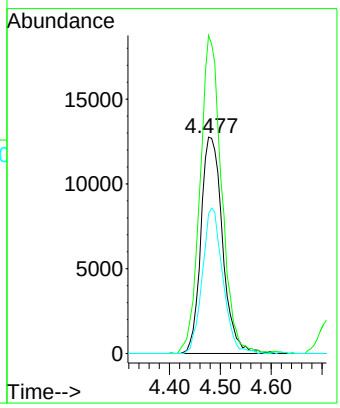




#27
cis-1,2-Dichloroethene
Concen: 18.536 ug/l
RT: 4.477 min Scan# 55
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 96 Resp: 37635

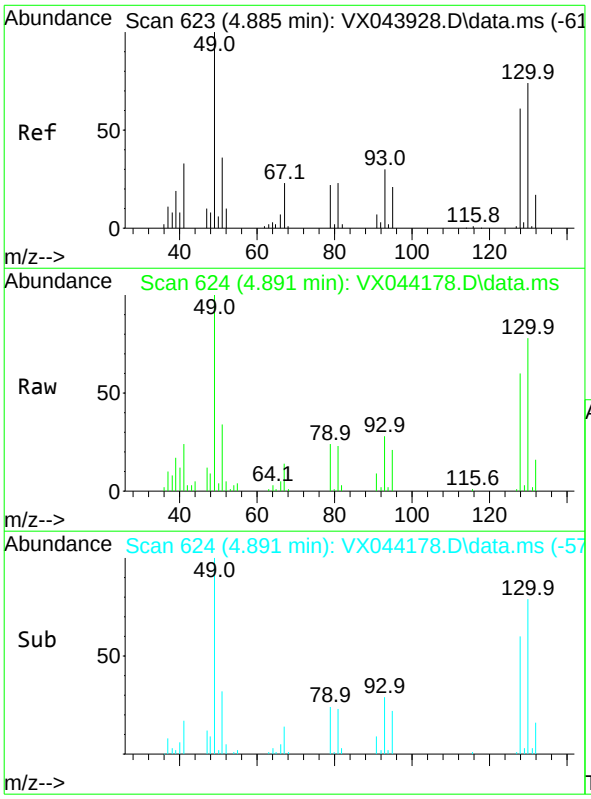
Ion	Ratio	Lower	Upper
96	100		
61	146.6	0.0	297.4
98	63.8	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

Manual Integrations
APPROVED

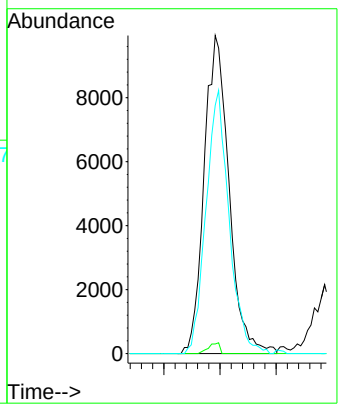
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

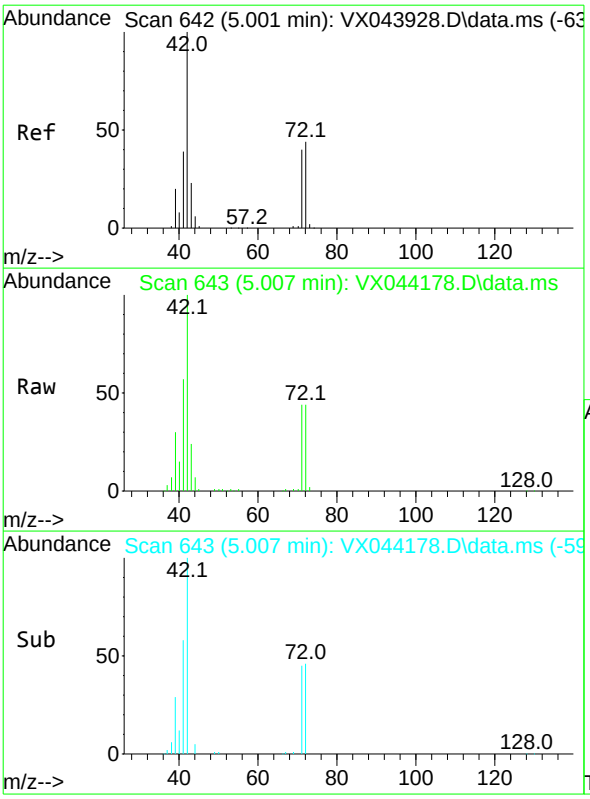


#28
Bromochloromethane
Concen: 21.678 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 49 Resp: 30600

Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	4.0
130	76.8	59.0	88.6





#29
Tetrahydrofuran
Concen: 98.634 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

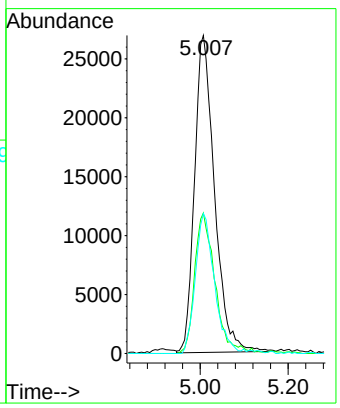
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

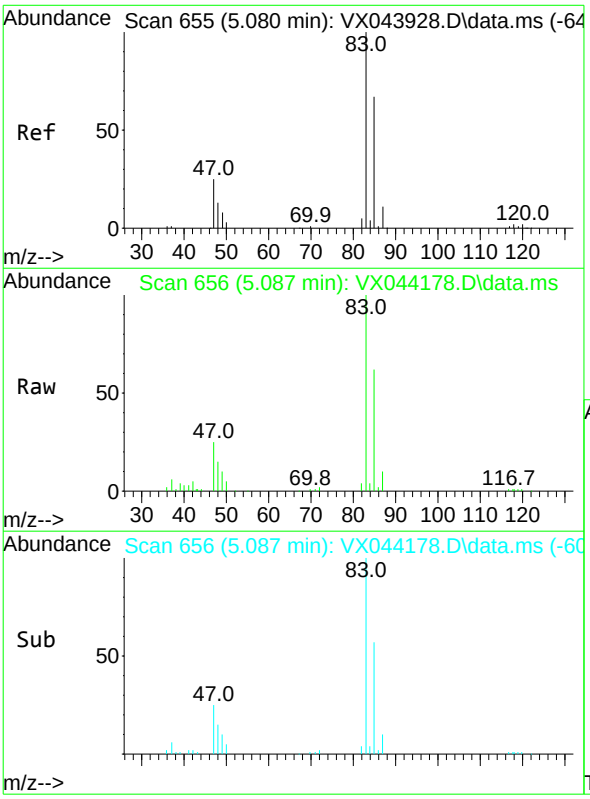
Tgt Ion: 42 Resp: 84862

Ion	Ratio	Lower	Upper
42	100		
72	44.7	36.4	54.6
71	42.0	33.4	50.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

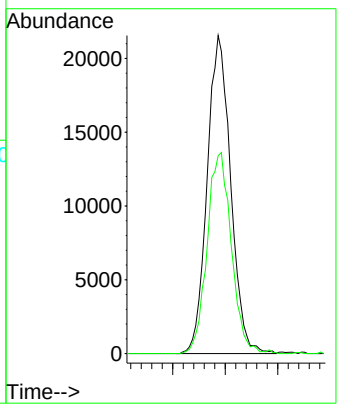


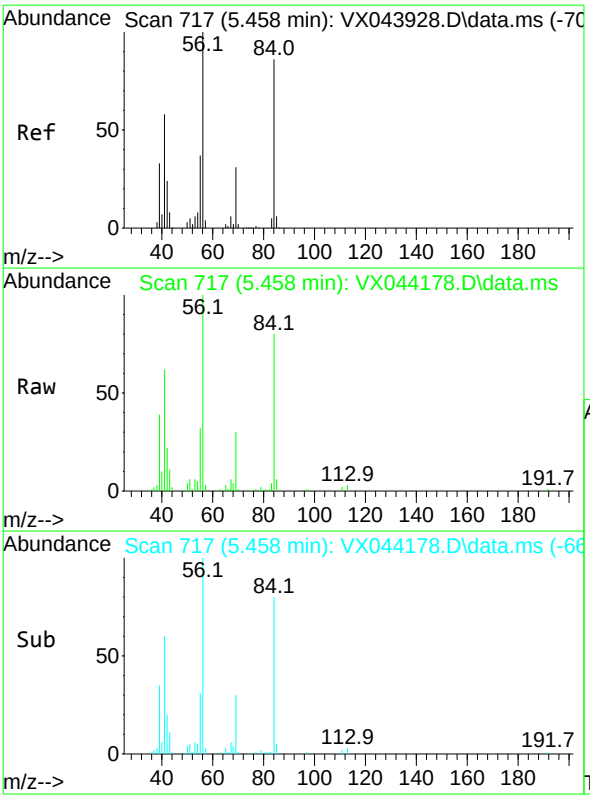


#30
Chloroform
Concen: 19.440 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 83 Resp: 67049

Ion	Ratio	Lower	Upper
83	100		
85	62.2	53.5	80.3





#31
Cyclohexane
Concen: 17.949 ug/l
RT: 5.458 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

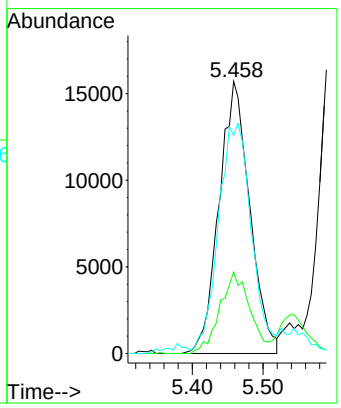
Tgt Ion: 56 Resp: 47372

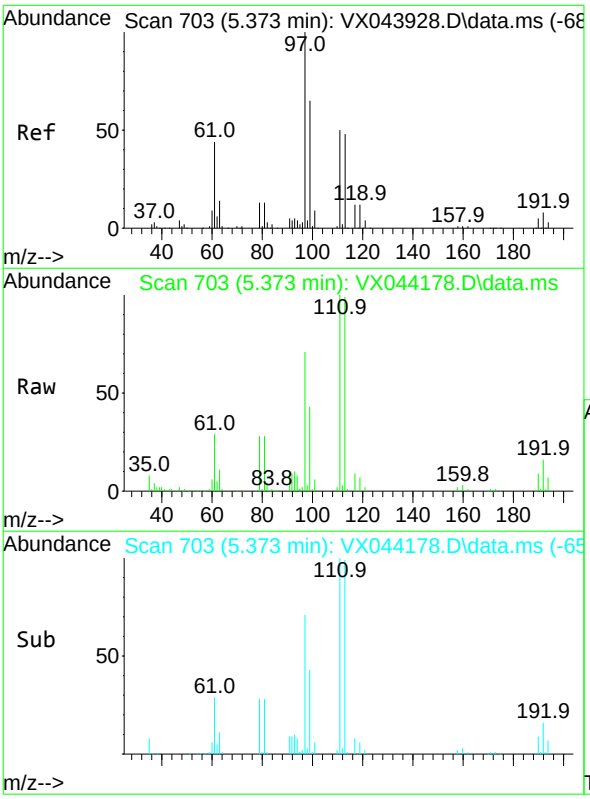
Ion	Ratio	Lower	Upper
56	100		
69	29.9	24.7	37.1
84	76.1	68.7	103.1

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

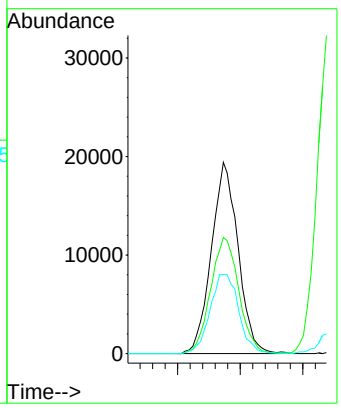


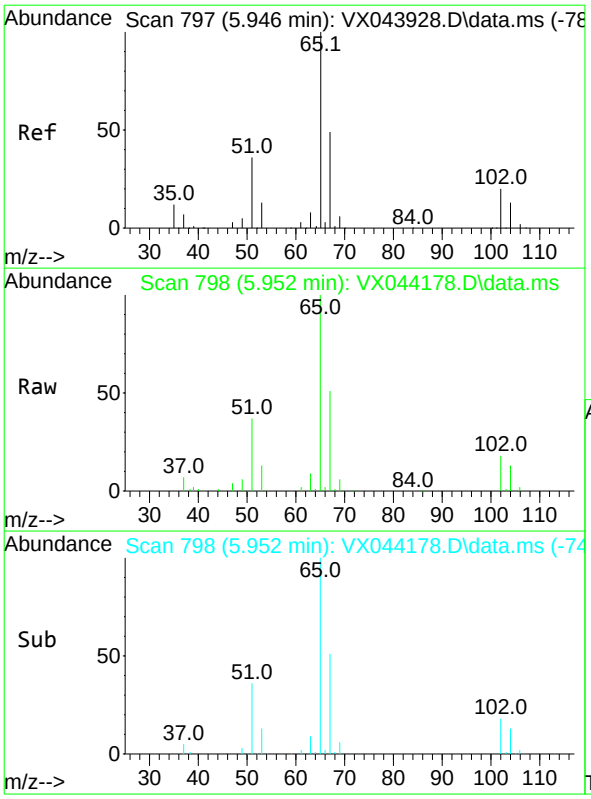


#32
1,1,1-Trichloroethane
Concen: 19.322 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 97 Resp: 57469

Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.8	76.2
61	44.5	35.4	53.2

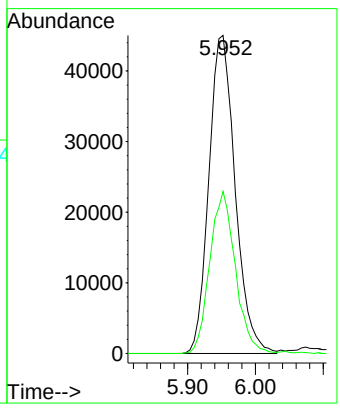




#33
1,2-Dichloroethane-d4
Concen: 51.209 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.006 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 65 Resp: 121268

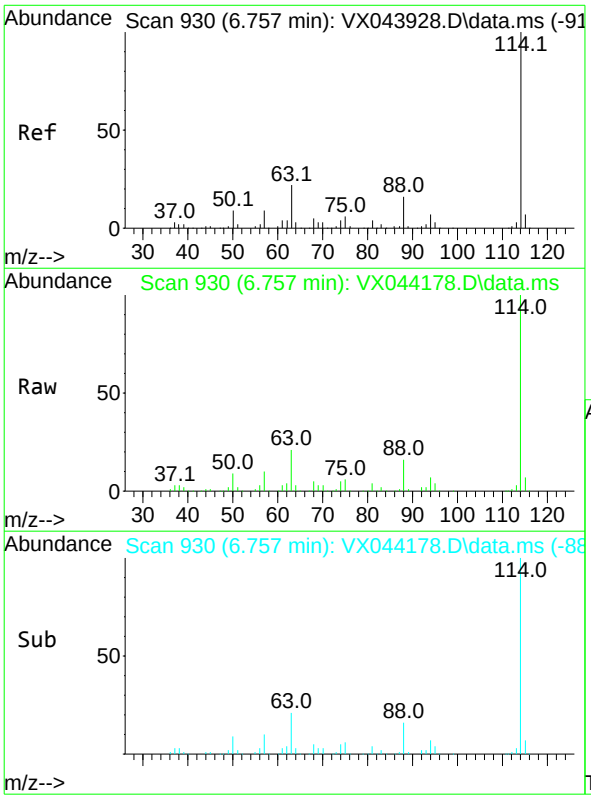
Ion	Ratio	Lower	Upper
65	100		
67	49.5	0.0	100.8



Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

Manual Integrations
APPROVED

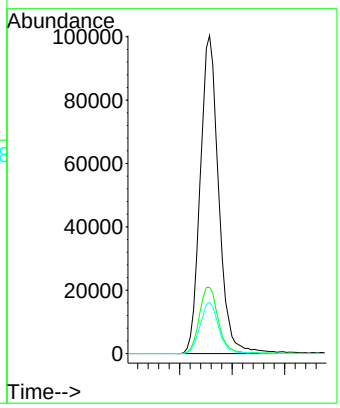
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

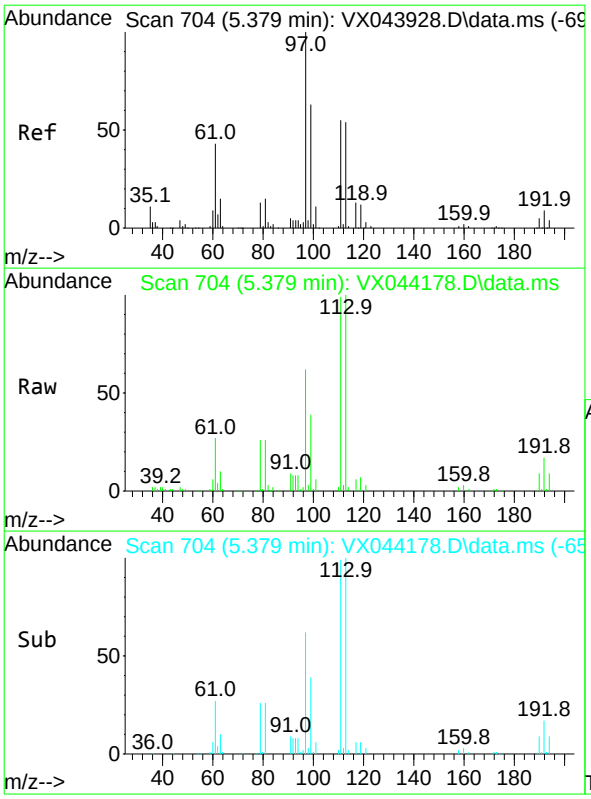


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion:114 Resp: 244472

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	44.0
88	16.1	0.0	32.4

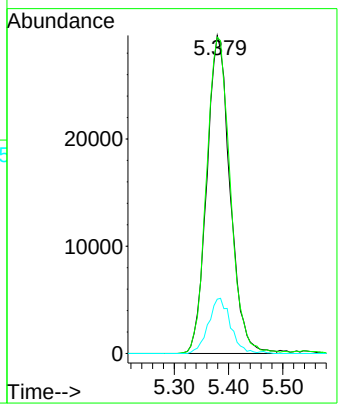




#35
Dibromofluoromethane
Concen: 50.357 ug/l
RT: 5.379 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion:113 Resp: 87968

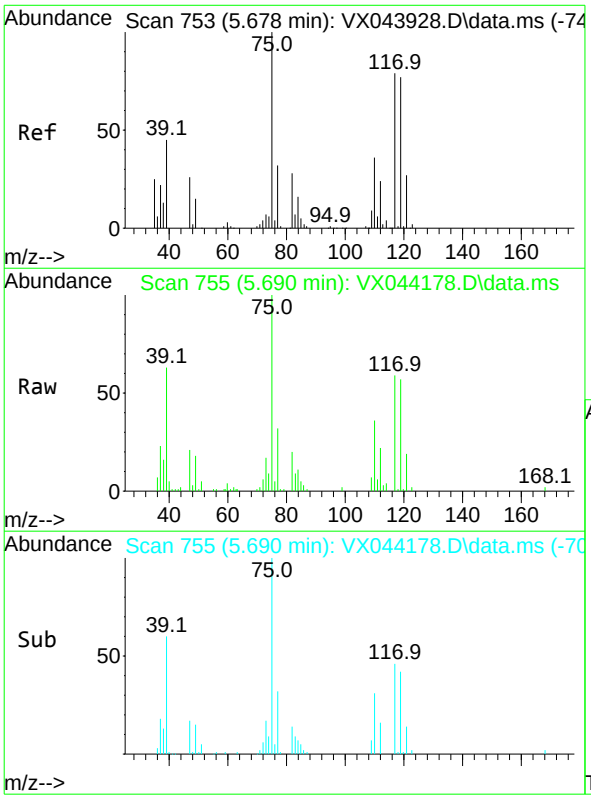
Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.0	121.4
192	16.6	13.0	19.6



Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

Manual Integrations
APPROVED

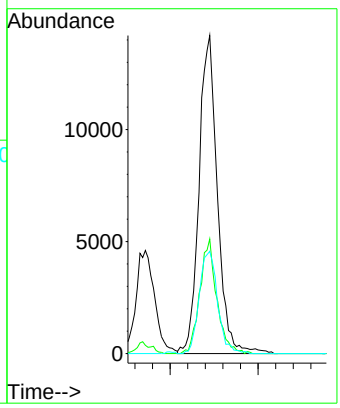
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

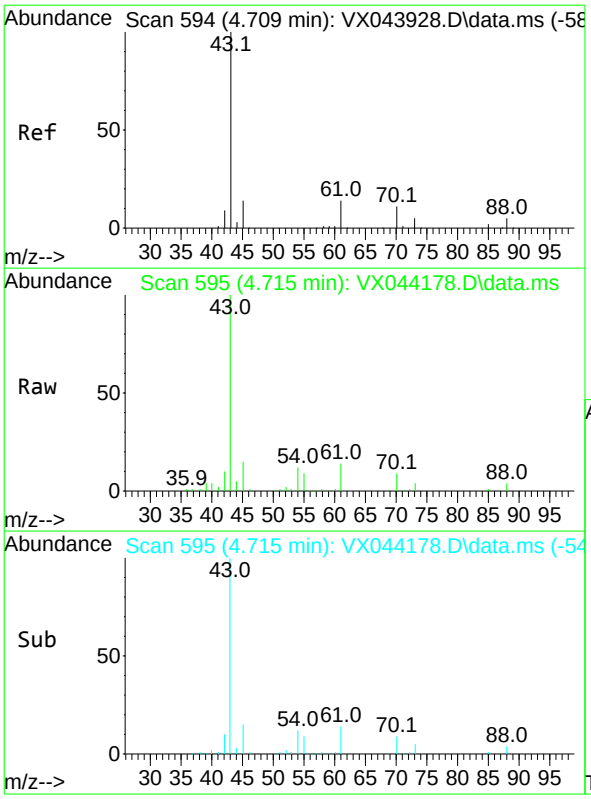


#36
1,1-Dichloropropene
Concen: 18.937 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.012 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 75 Resp: 41223

Ion	Ratio	Lower	Upper
75	100		
110	33.2	17.4	52.2
77	32.2	25.8	38.8

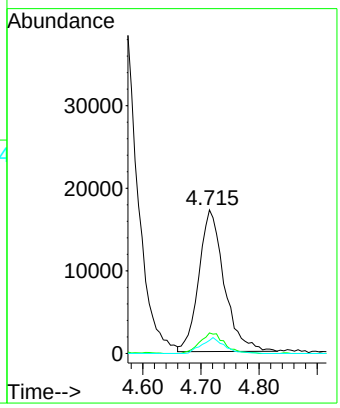




#37
Ethyl Acetate
Concen: 19.266 ug/l
RT: 4.715 min Scan# 59
Delta R.T. 0.006 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 43 Resp: 52058

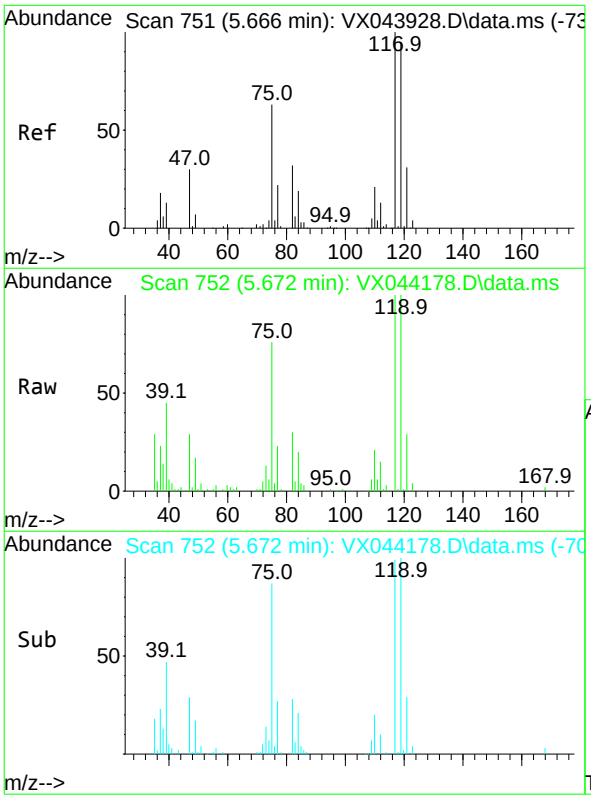
Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.7	16.1
70	9.9	8.0	12.0



Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

Manual Integrations
APPROVED

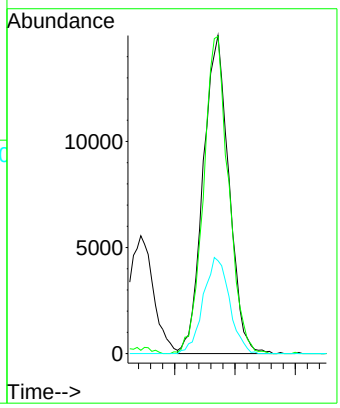
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

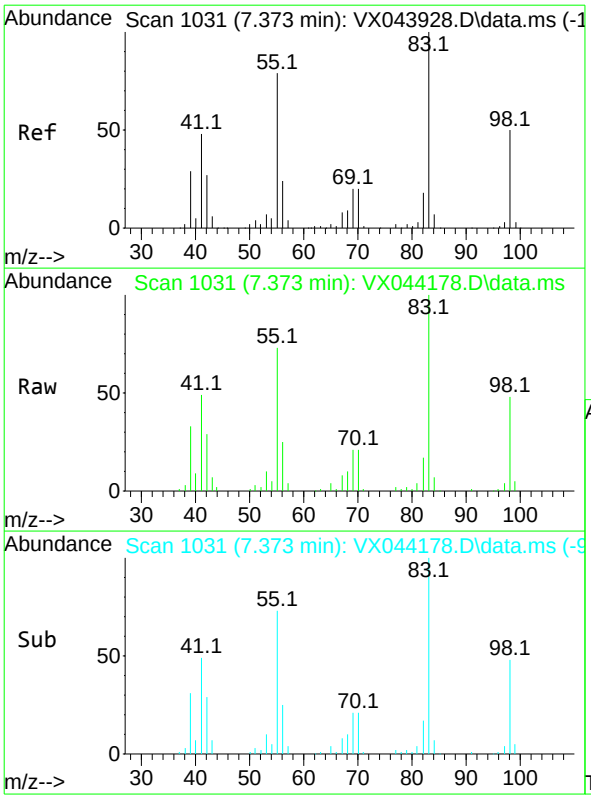


#38
Carbon Tetrachloride
Concen: 18.208 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.006 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion:117 Resp: 44537

Ion	Ratio	Lower	Upper
117	100		
119	99.7	75.2	112.8
121	29.2	24.5	36.7





#39
Methylcyclohexane
Concen: 18.100 ug/l
RT: 7.373 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

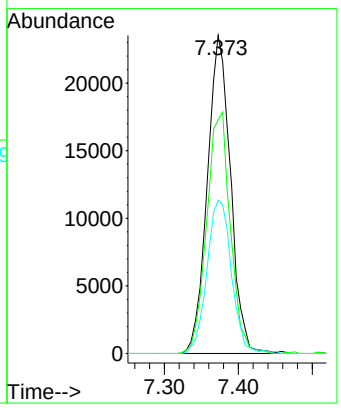
Tgt Ion: 83 Resp: 51187

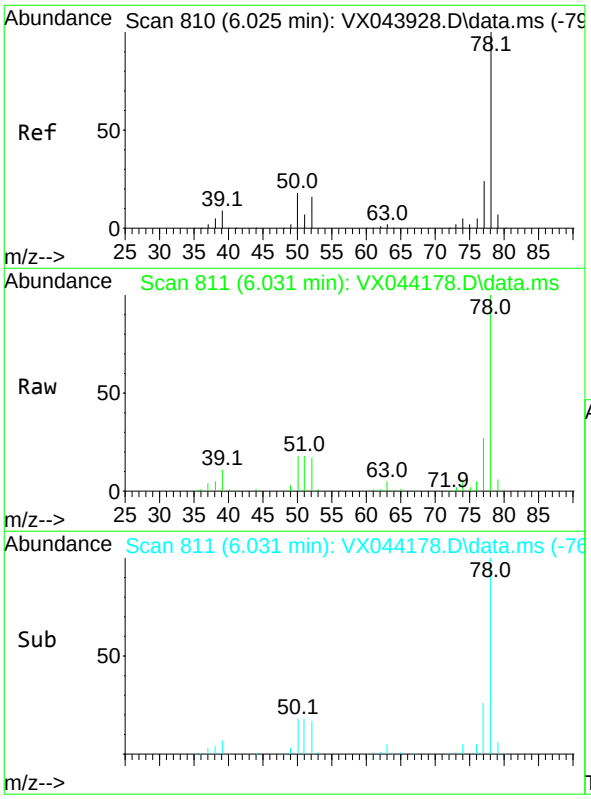
Ion	Ratio	Lower	Upper
83	100		
55	73.5	63.1	94.7
98	48.3	40.0	60.0

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

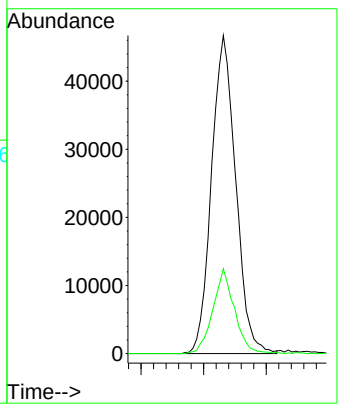


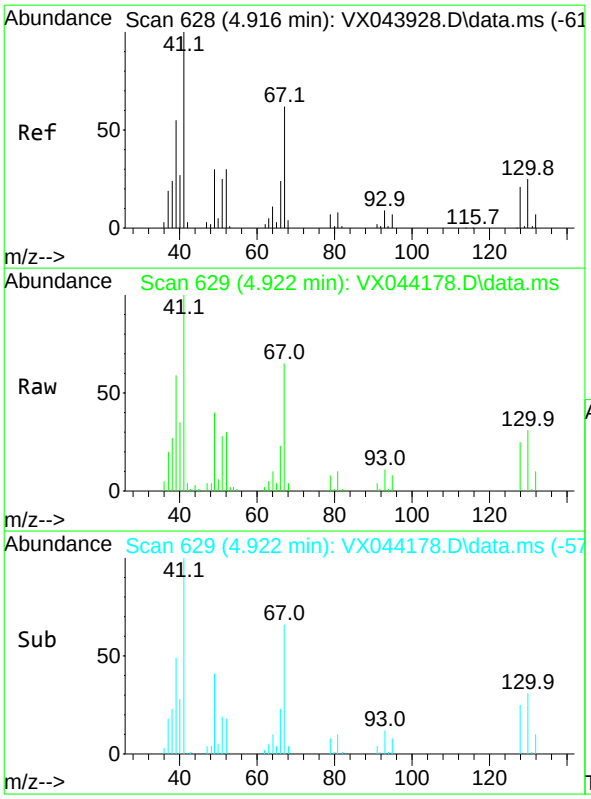


#40
Benzene
Concen: 18.484 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 78 Resp: 125330

Ion	Ratio	Lower	Upper
78	100		
77	26.7	19.2	28.8





#41
Methacrylonitrile
Concen: 20.290 ug/l
RT: 4.922 min Scan# 62
Delta R.T. 0.006 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

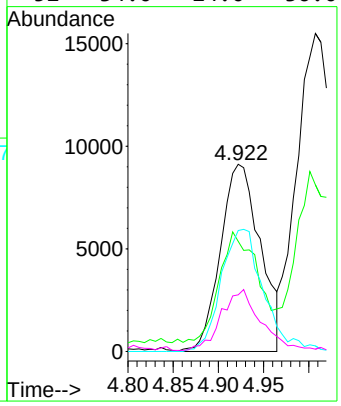
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

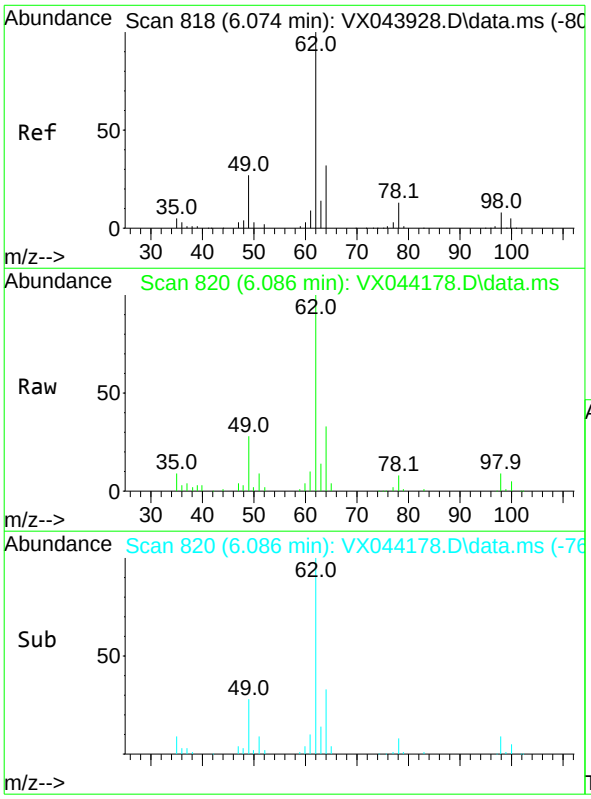
Tgt Ion: 41 Resp: 28061

Ion	Ratio	Lower	Upper
41	100		
39	58.2	41.7	62.5
67	69.2	55.8	83.8
52	34.0	24.0	36.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

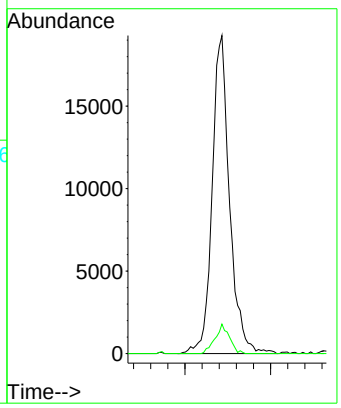


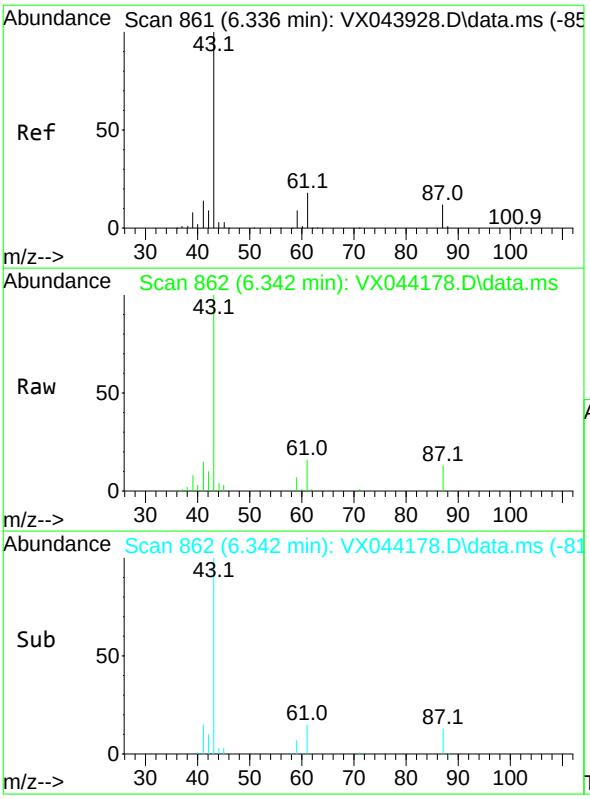


#42
1,2-Dichloroethane
Concen: 19.961 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.012 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 62 Resp: 54359

Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	16.4

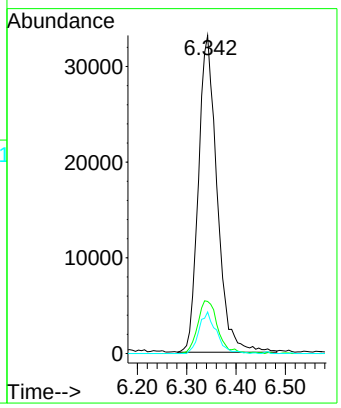




#43
Isopropyl Acetate
Concen: 20.241 ug/l
RT: 6.342 min Scan# 86
Delta R.T. 0.006 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 43 Resp: 87044

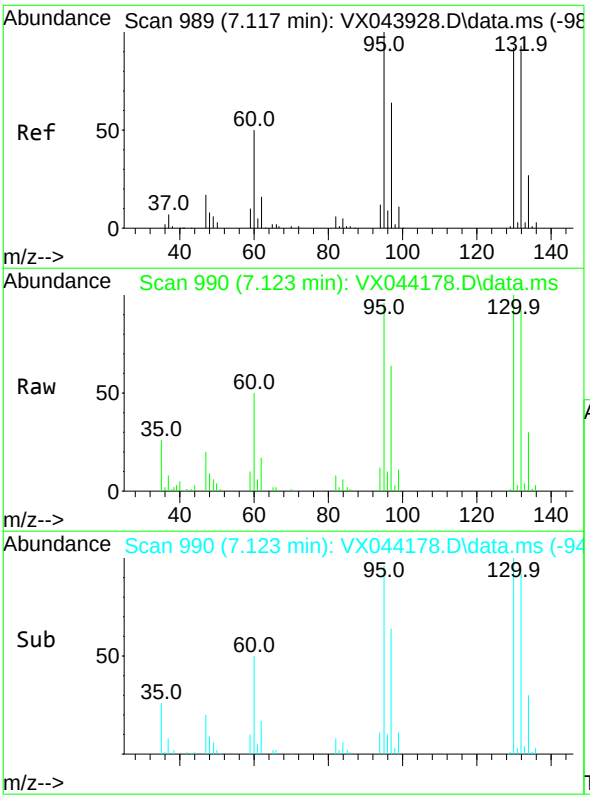
Ion	Ratio	Lower	Upper
43	100		
61	17.8	14.5	21.7
87	12.2	10.2	15.2



Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

Manual Integrations
APPROVED

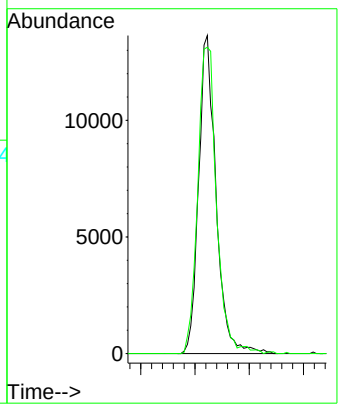
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

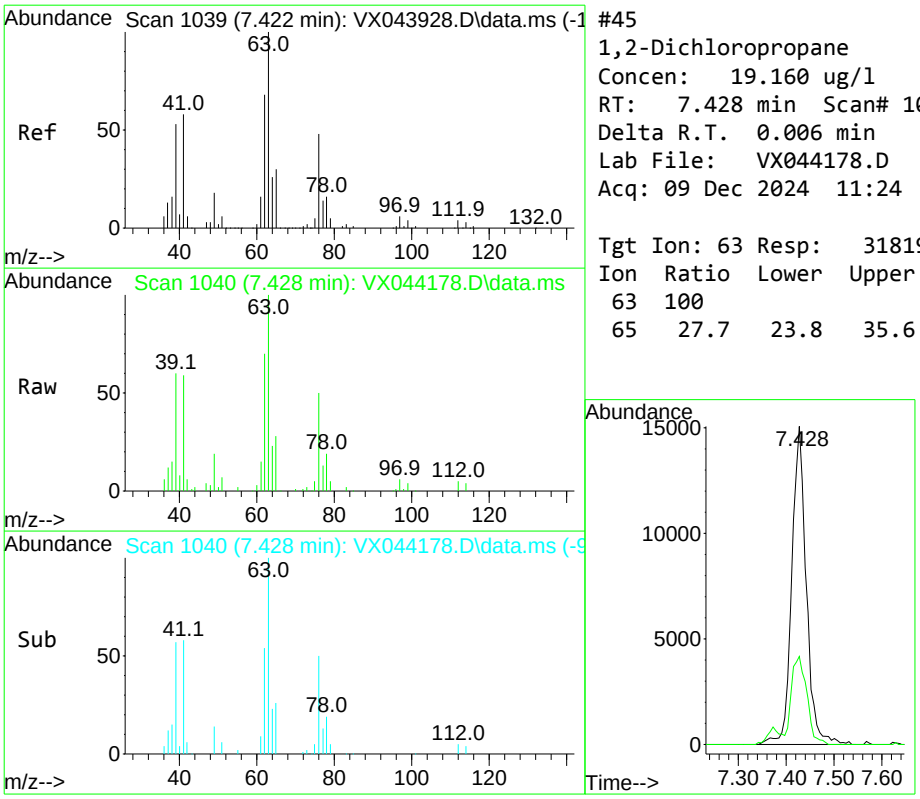


#44
Trichloroethene
Concen: 15.824 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion:130 Resp: 30375

Ion	Ratio	Lower	Upper
130	100		
95	96.3	0.0	217.8





#45
1,2-Dichloropropane
Concen: 19.160 ug/l
RT: 7.428 min Scan# 10
Delta R.T. 0.006 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

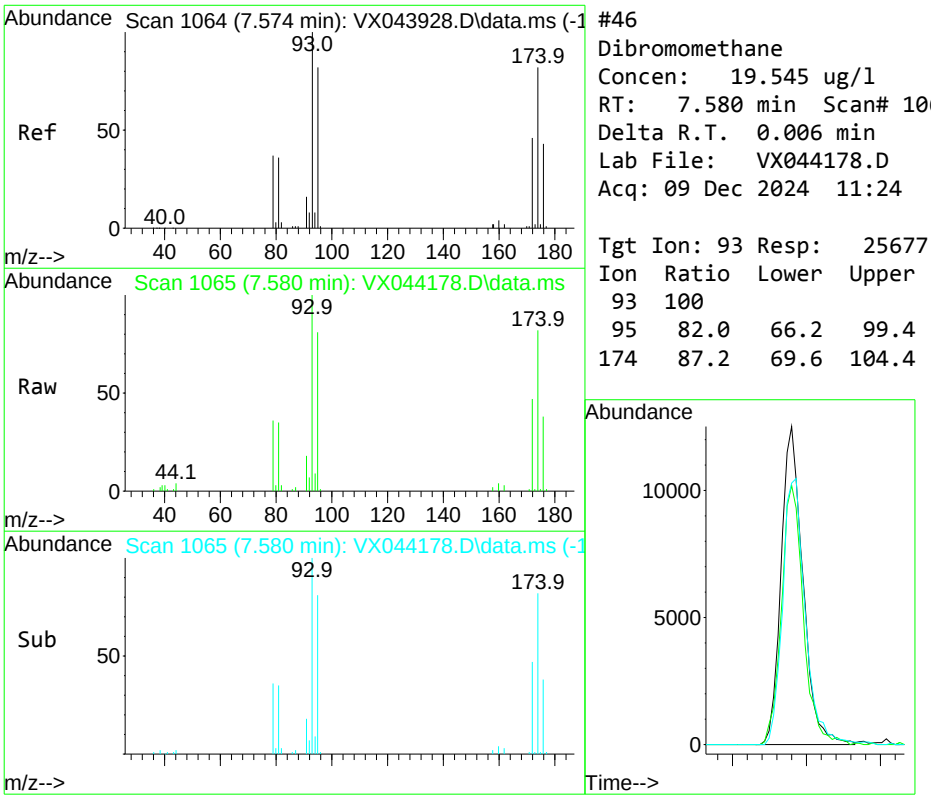
Tgt Ion: 63 Resp: 31819

Ion	Ratio	Lower	Upper
63	100		
65	27.7	23.8	35.6

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

Manual Integrations
APPROVED

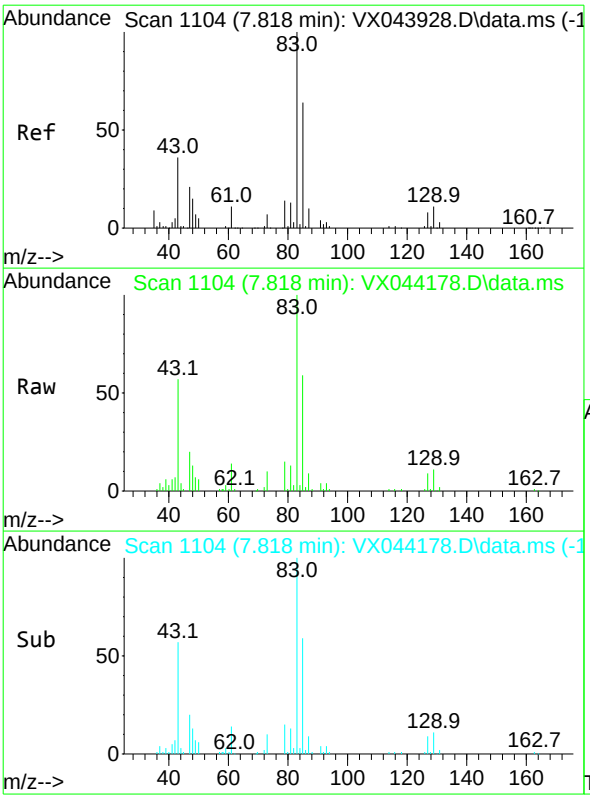
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#46
Dibromomethane
Concen: 19.545 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 93 Resp: 25677

Ion	Ratio	Lower	Upper
93	100		
95	82.0	66.2	99.4
174	87.2	69.6	104.4



#47
Bromodichloromethane
Concen: 19.274 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

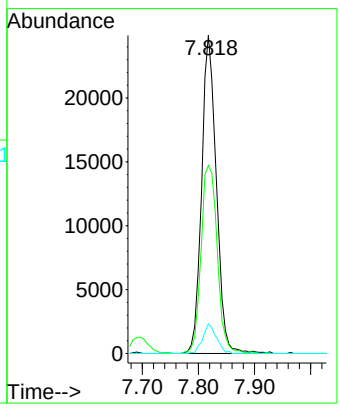
Tgt Ion: 83 Resp: 45411

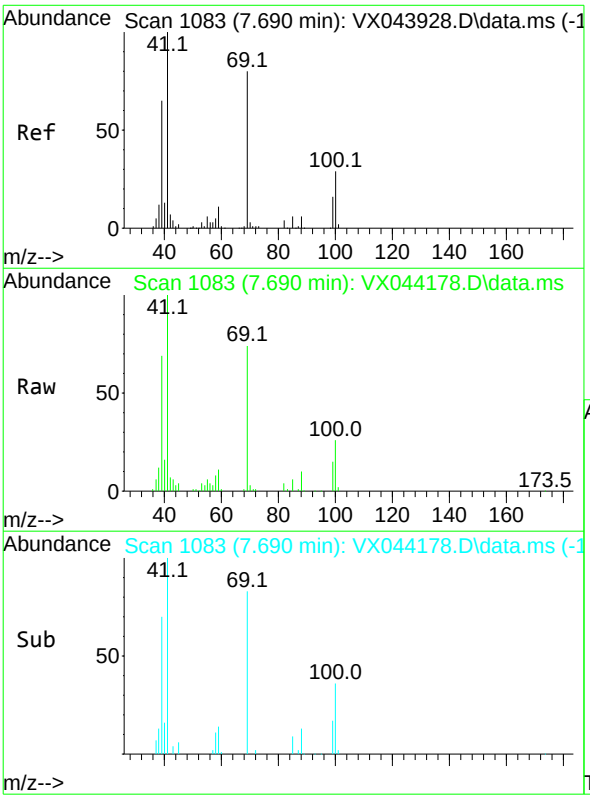
Ion	Ratio	Lower	Upper
83	100		
85	59.1	51.4	77.0
127	9.3	6.6	10.0

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

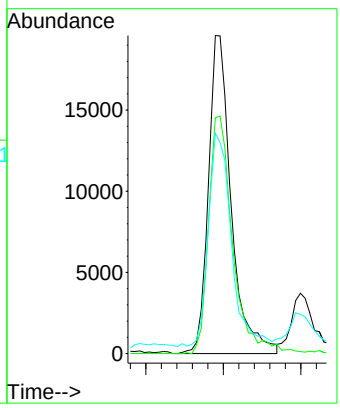


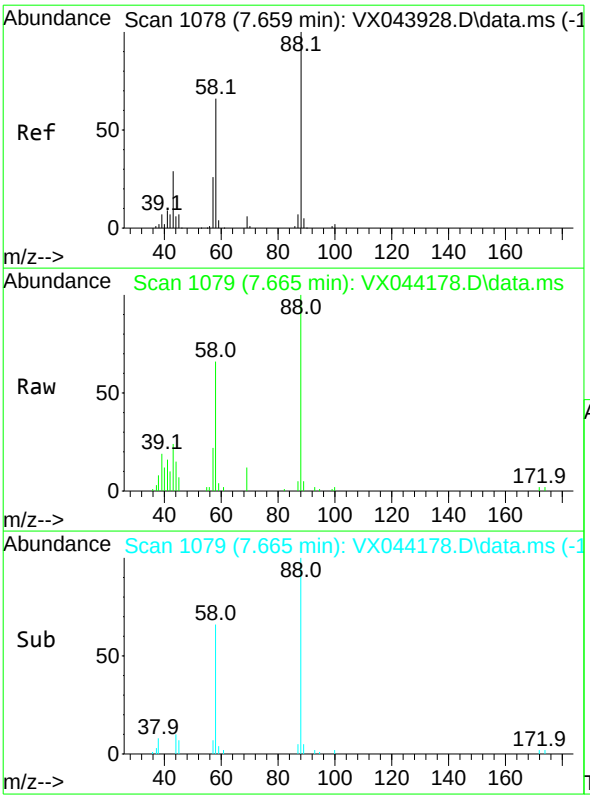


#48
Methyl methacrylate
Concen: 19.369 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 41 Resp: 39967

Ion	Ratio	Lower	Upper
41	100		
69	79.1	64.6	97.0
39	68.0	53.3	79.9

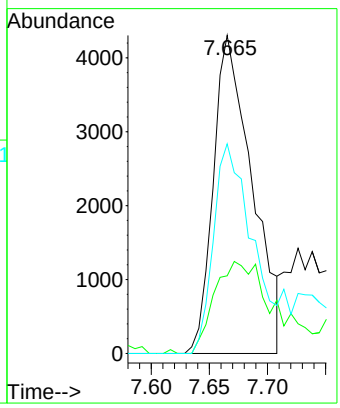




#49
1,4-Dioxane
Concen: 272.034 ug/l
RT: 7.665 min Scan# 10
Delta R.T. 0.006 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 88 Resp: 9999

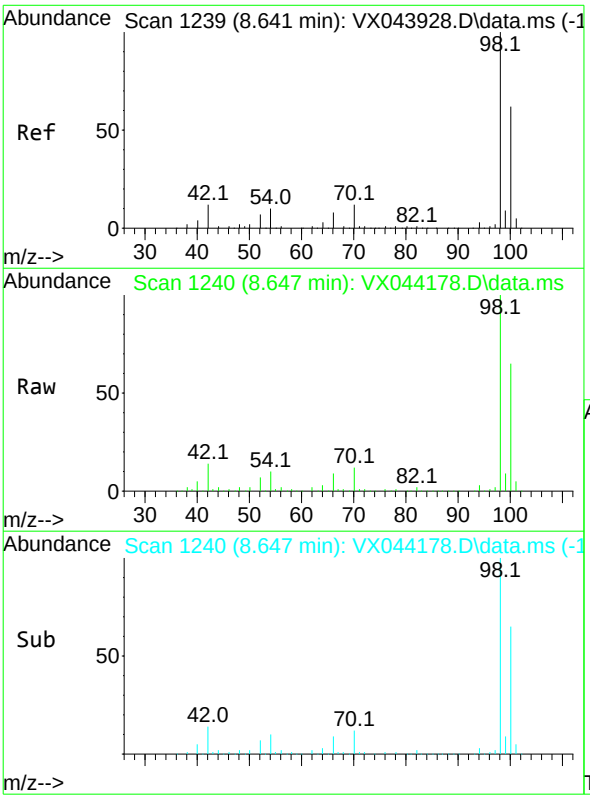
Ion	Ratio	Lower	Upper
88	100		
43	44.3	26.8	40.2#
58	65.9	45.4	68.2



Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

Manual Integrations
APPROVED

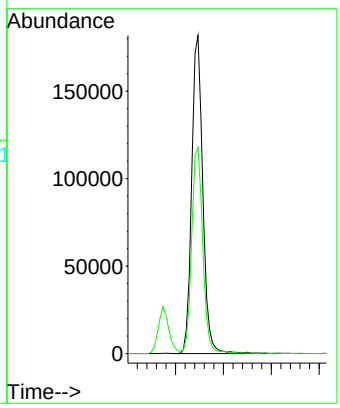
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

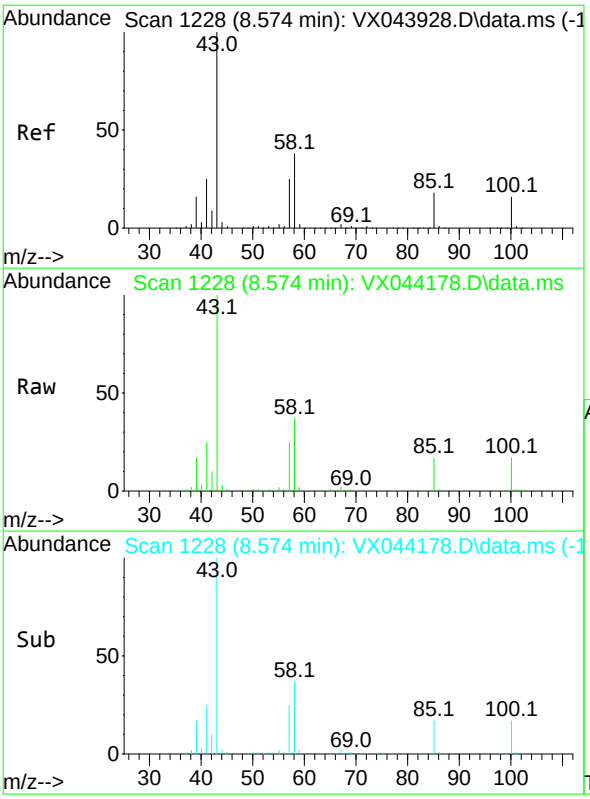


#50
Toluene-d8
Concen: 48.674 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 98 Resp: 293099

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.6	79.0

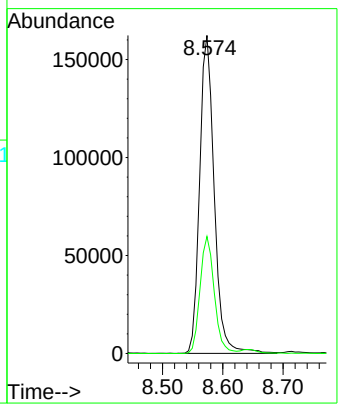




#51
4-Methyl-2-Pentanone
Concen: 103.922 ug/l
RT: 8.574 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 43 Resp: 272719

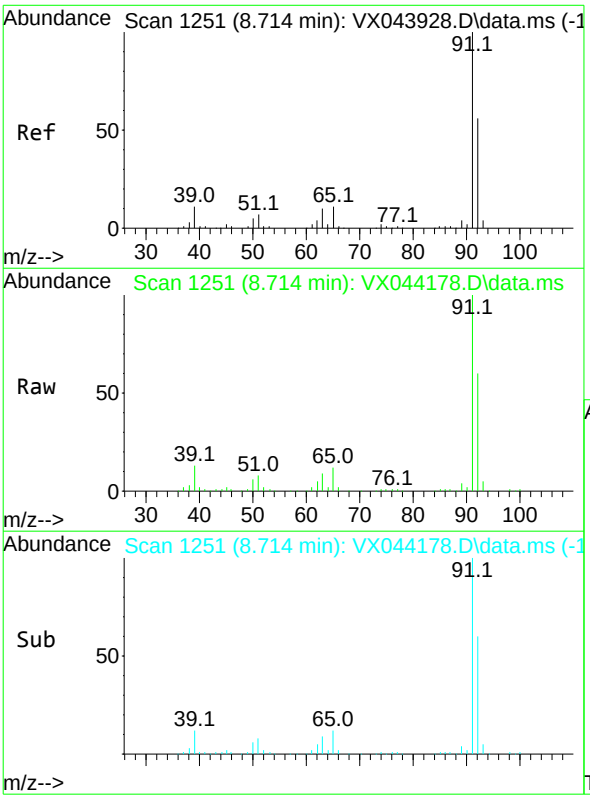
Ion	Ratio	Lower	Upper
43	100		
58	36.0	30.0	45.0



Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

Manual Integrations
APPROVED

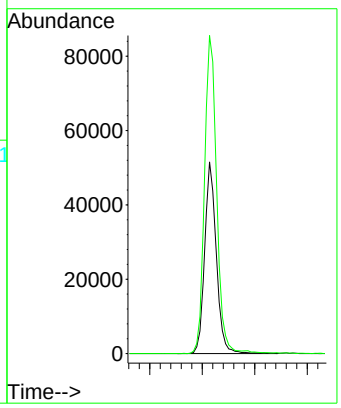
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

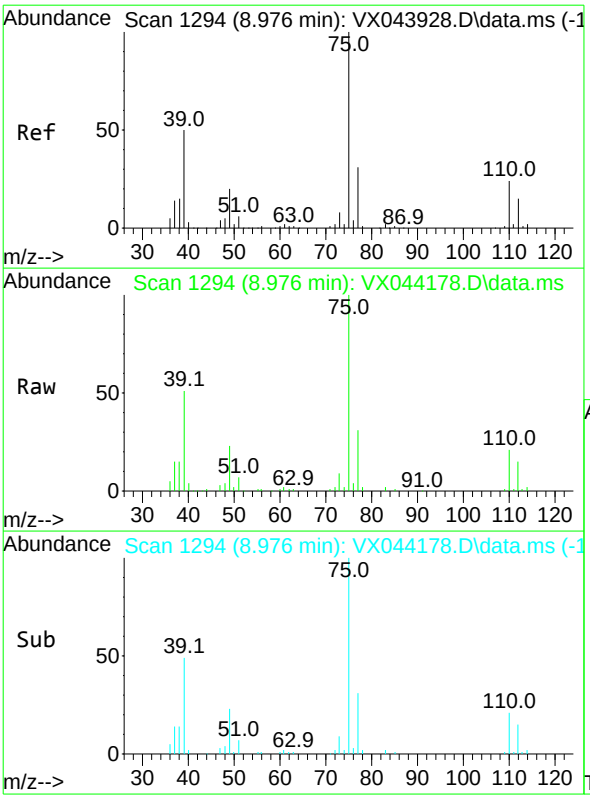


#52
Toluene
Concen: 19.596 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 92 Resp: 79528

Ion	Ratio	Lower	Upper
92	100		
91	173.4	139.7	209.5

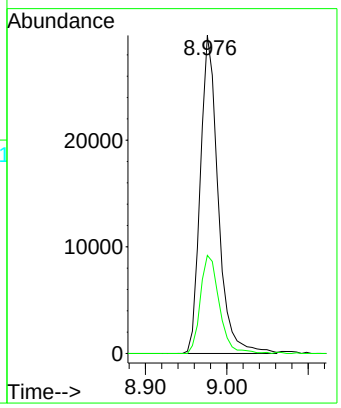




#53
t-1,3-Dichloropropene
Concen: 18.899 ug/l
RT: 8.976 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 75 Resp: 45407

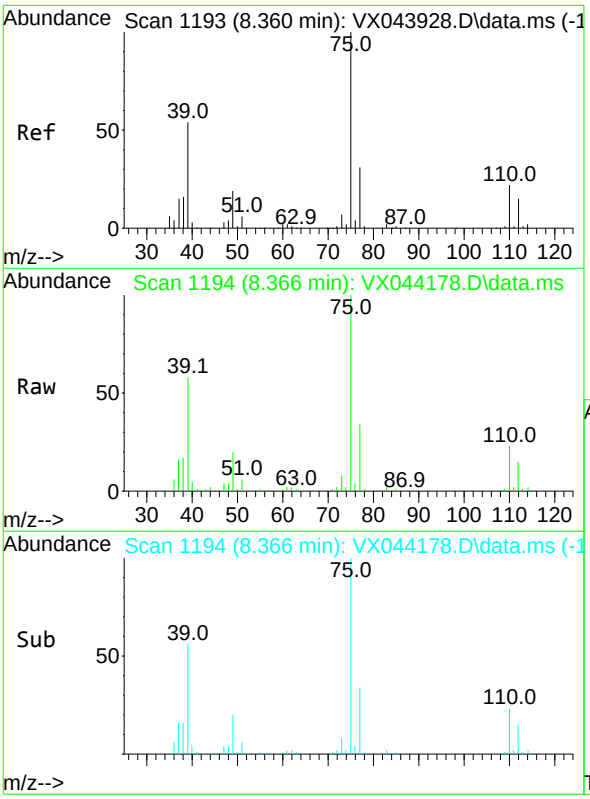
Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

Manual Integrations
APPROVED

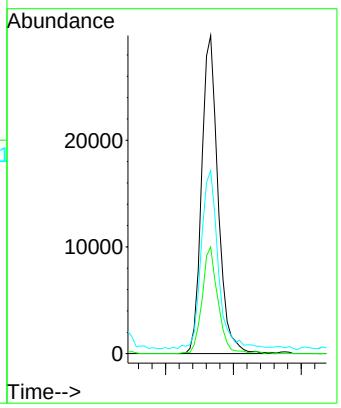
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

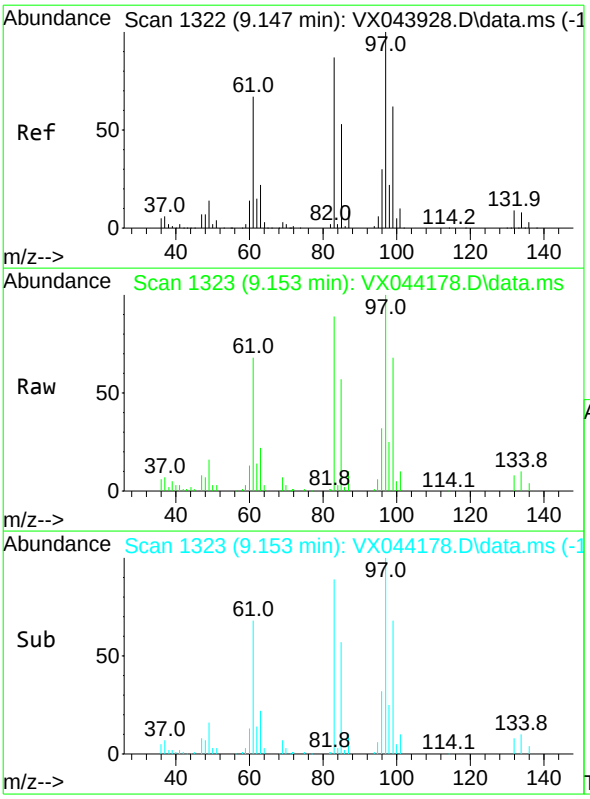


#54
cis-1,3-Dichloropropene
Concen: 19.063 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 75 Resp: 50210

Ion	Ratio	Lower	Upper
75	100		
77	33.5	25.2	37.8
39	55.9	43.1	64.7

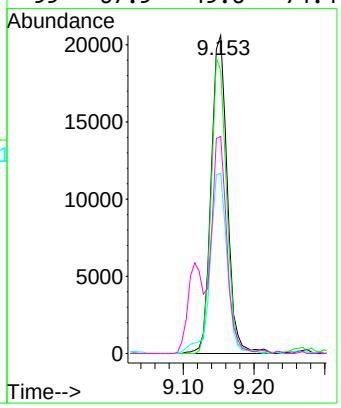




#55
1,1,2-Trichloroethane
Concen: 19.411 ug/l
RT: 9.153 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 97 Resp: 32520

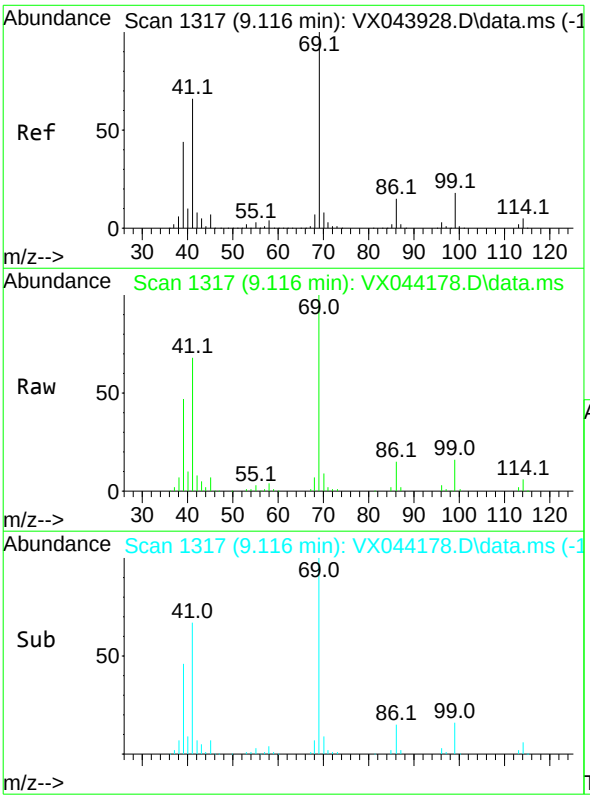
Ion	Ratio	Lower	Upper
97	100		
83	88.9	69.4	104.0
85	56.7	42.3	63.5
99	67.9	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

Manual Integrations
APPROVED

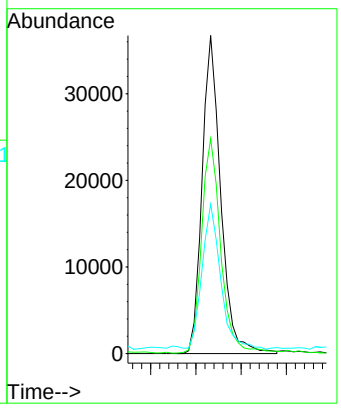
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

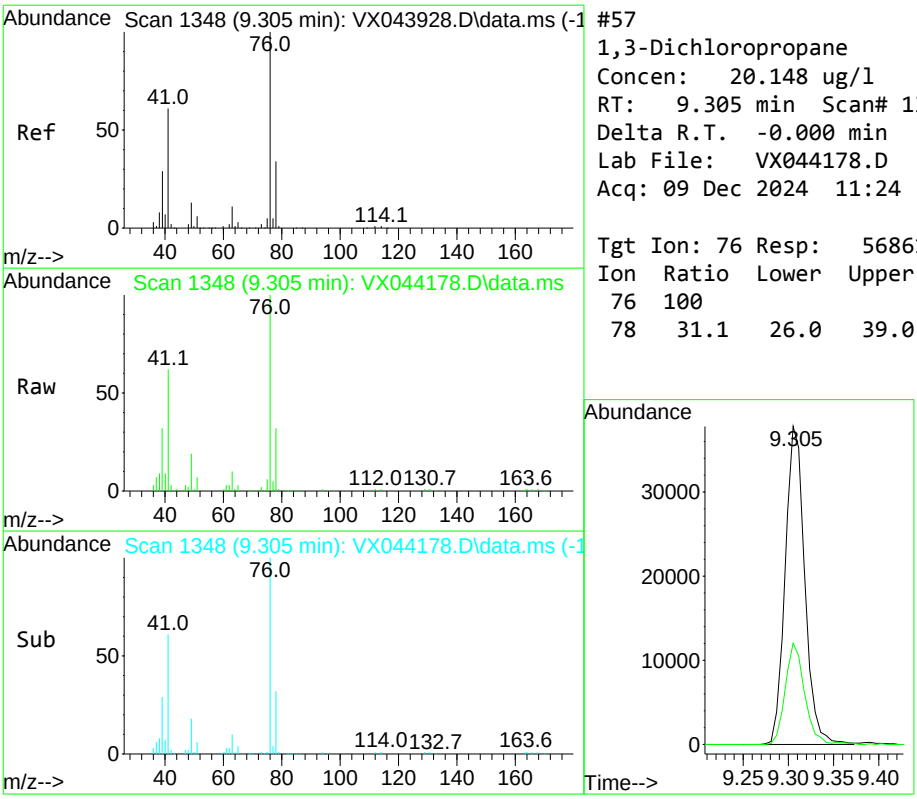


#56
Ethyl methacrylate
Concen: 20.168 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 69 Resp: 52628

Ion	Ratio	Lower	Upper
69	100		
41	68.9	55.8	83.8
39	45.3	36.7	55.1





#57
1,3-Dichloropropane
Concen: 20.148 ug/l
RT: 9.305 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

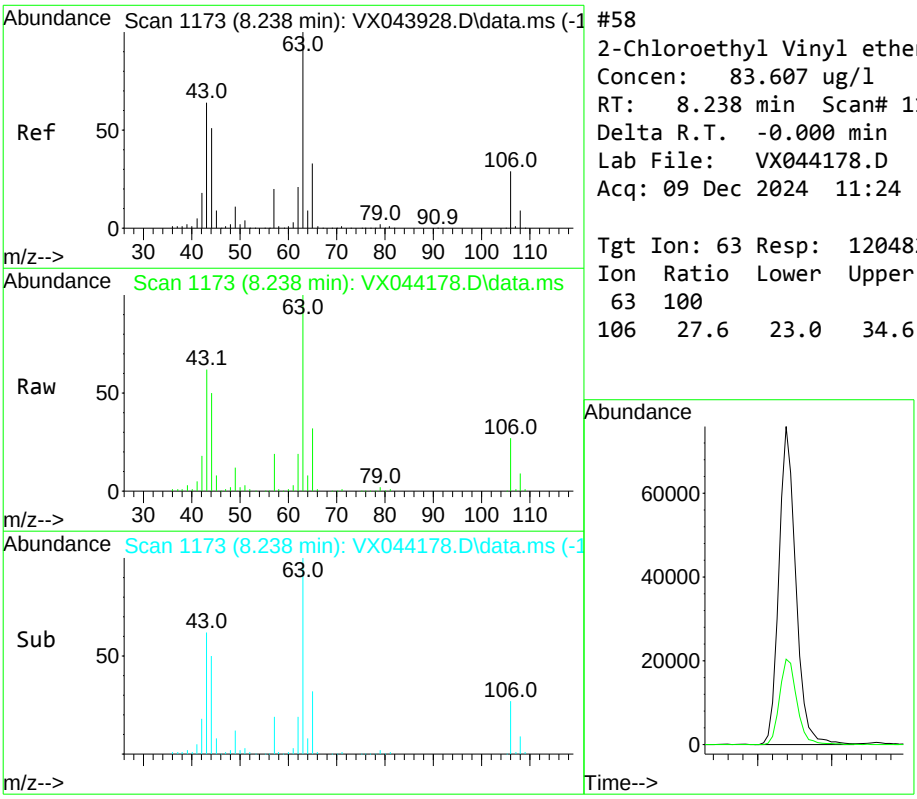
Tgt Ion: 76 Resp: 56861

Ion	Ratio	Lower	Upper
76	100		
78	31.1	26.0	39.0

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

Manual Integrations
APPROVED

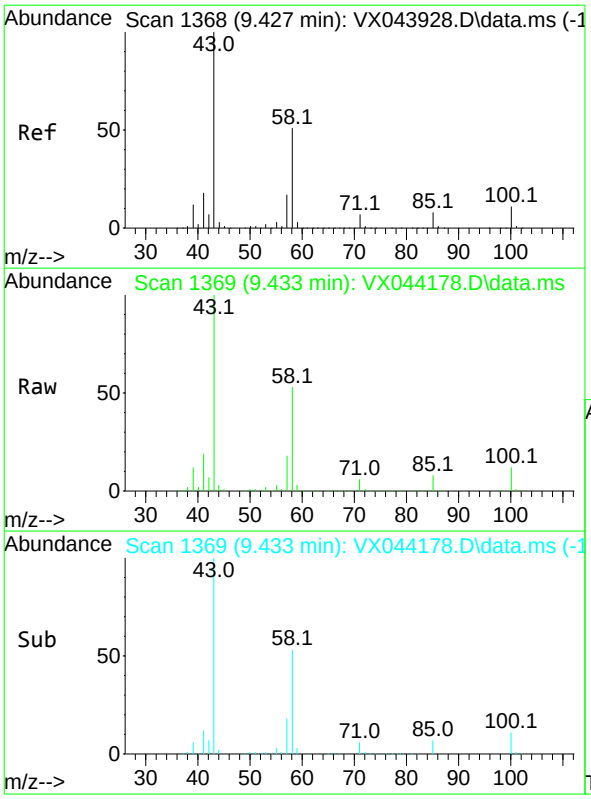
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#58
2-Chloroethyl Vinyl ether
Concen: 83.607 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 63 Resp: 120482

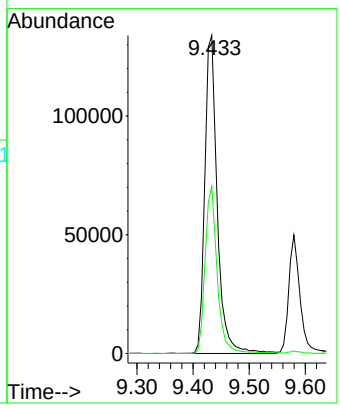
Ion	Ratio	Lower	Upper
63	100		
106	27.6	23.0	34.6



#59
2-Hexanone
Concen: 104.575 ug/l
RT: 9.433 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 43 Resp: 206270

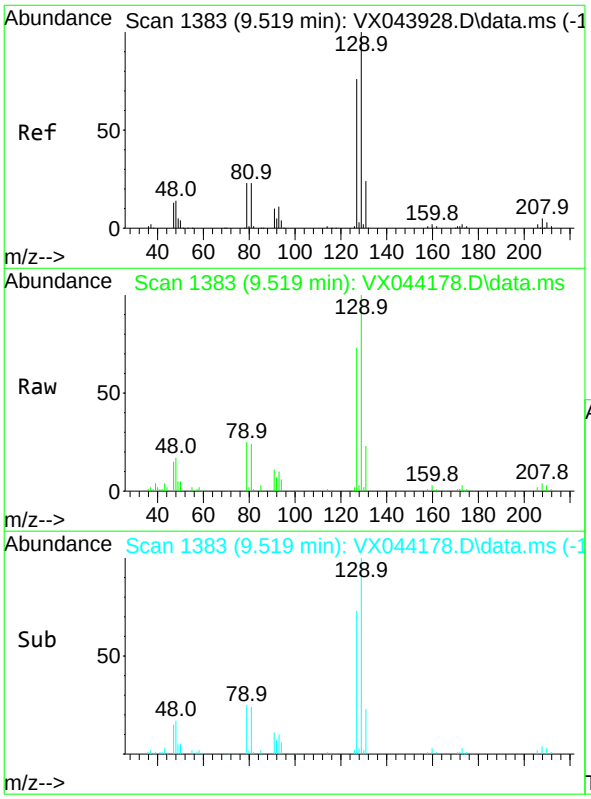
Ion	Ratio	Lower	Upper
43	100		
58	51.2	25.9	77.6



Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

Manual Integrations
APPROVED

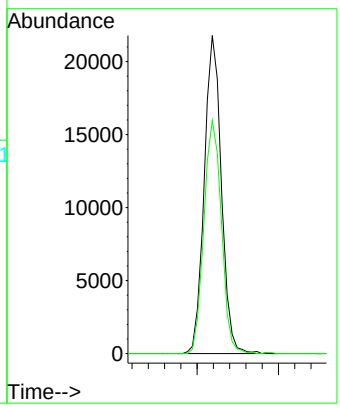
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

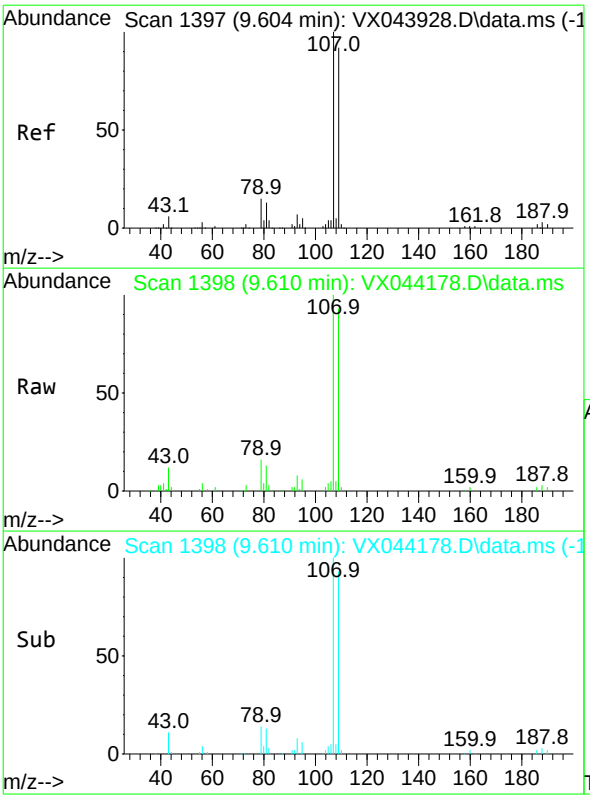


#60
Dibromochloromethane
Concen: 18.890 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion:129 Resp: 31752

Ion	Ratio	Lower	Upper
129	100		
127	75.0	38.2	114.6

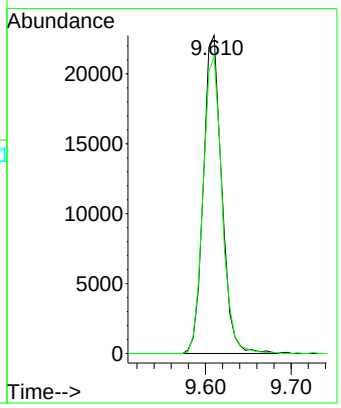




#61
1,2-Dibromoethane
Concen: 19.995 ug/l
RT: 9.610 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion:107 Resp: 33872

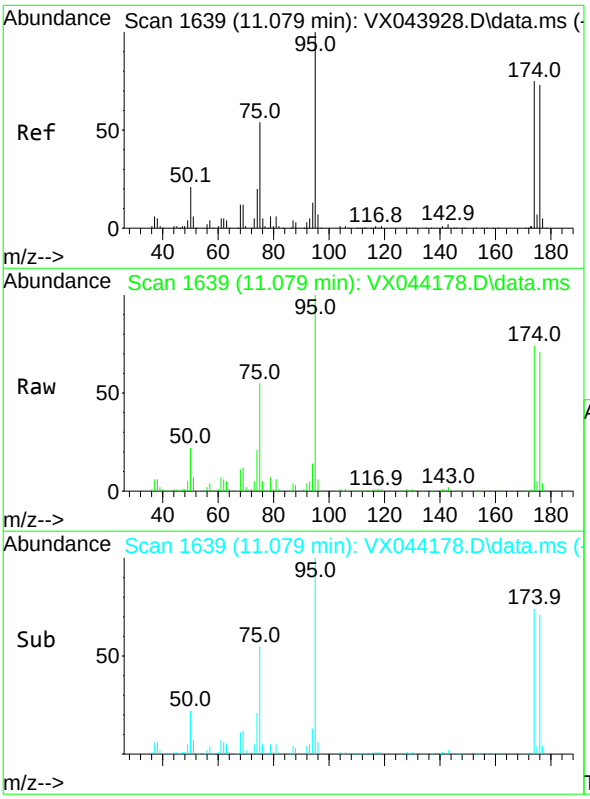
Ion	Ratio	Lower	Upper
107	100		
109	96.5	75.2	112.8



Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

Manual Integrations
APPROVED

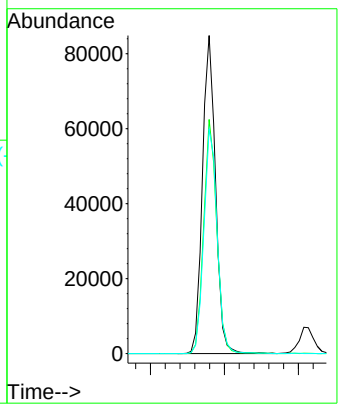
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

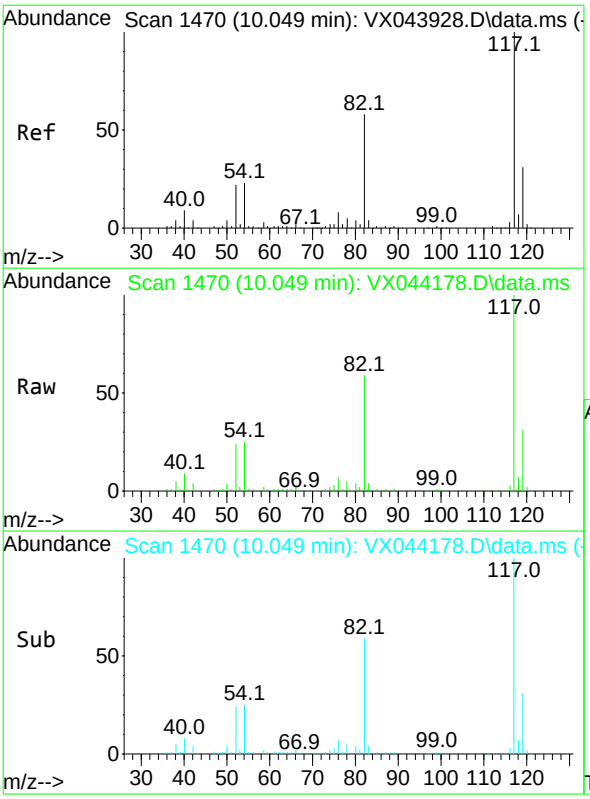


#62
4-Bromofluorobenzene
Concen: 50.849 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 95 Resp: 104206

Ion	Ratio	Lower	Upper
95	100		
174	73.4	0.0	150.4
176	72.0	0.0	146.0

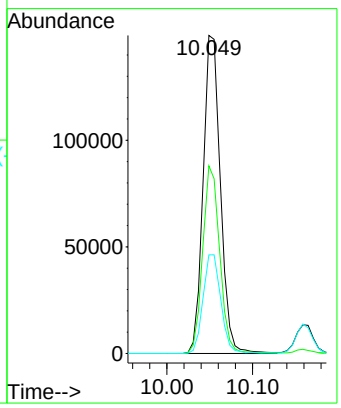




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion:117 Resp: 208975

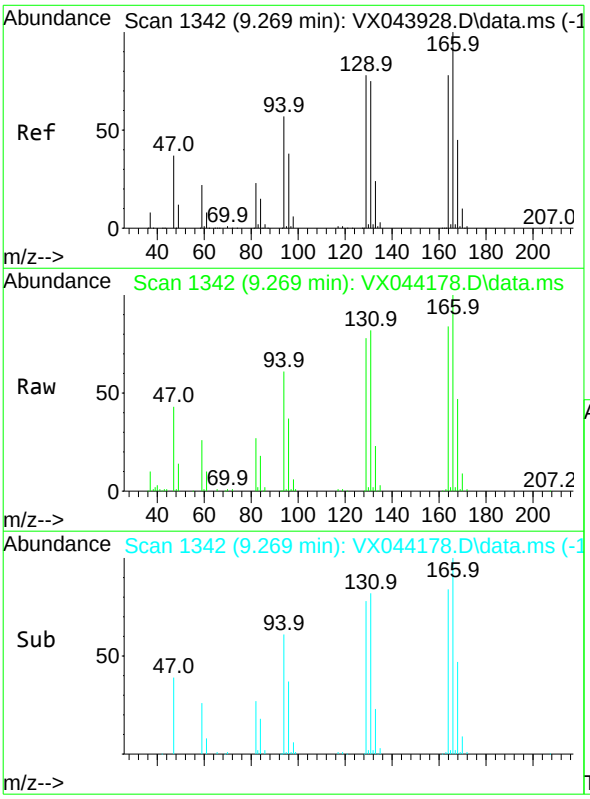
Ion	Ratio	Lower	Upper
117	100		
82	59.0	46.4	69.6
119	31.0	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

Manual Integrations
APPROVED

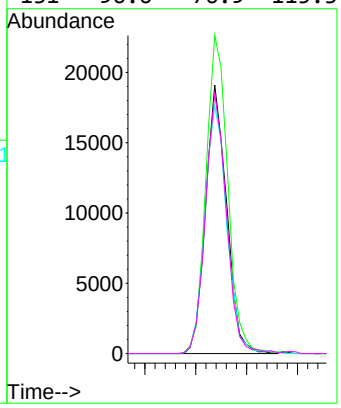
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

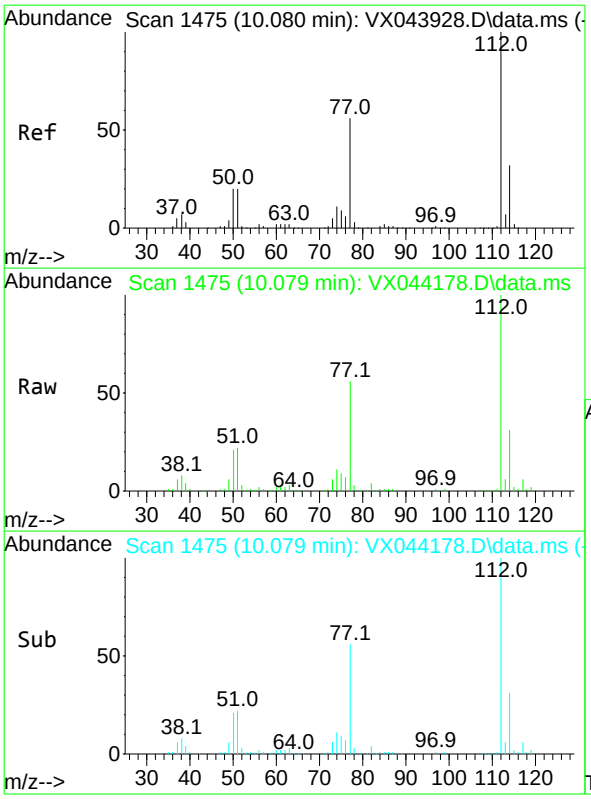


#64
Tetrachloroethene
Concen: 19.912 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion:164 Resp: 27438

Ion	Ratio	Lower	Upper
164	100		
166	118.5	102.1	153.1
129	92.2	79.6	119.4
131	96.6	76.9	115.3

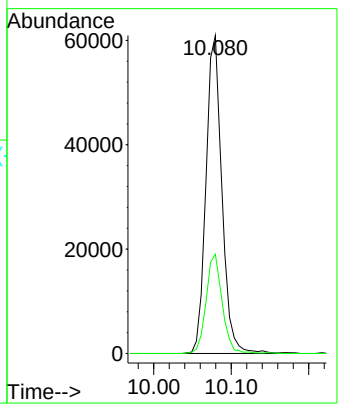




#65
Chlorobenzene
Concen: 18.940 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion:112 Resp: 86930

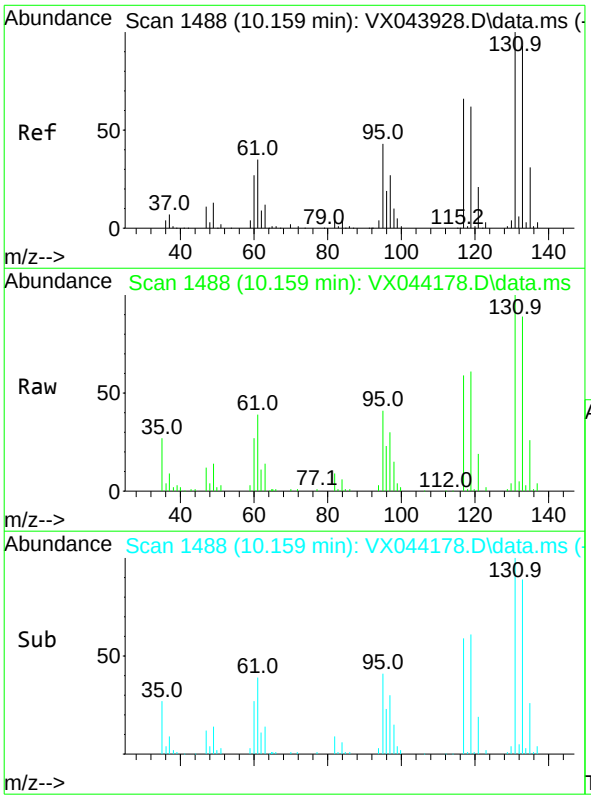
Ion	Ratio	Lower	Upper
112	100		
114	31.2	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

Manual Integrations
APPROVED

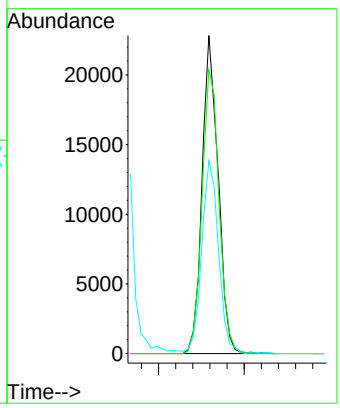
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

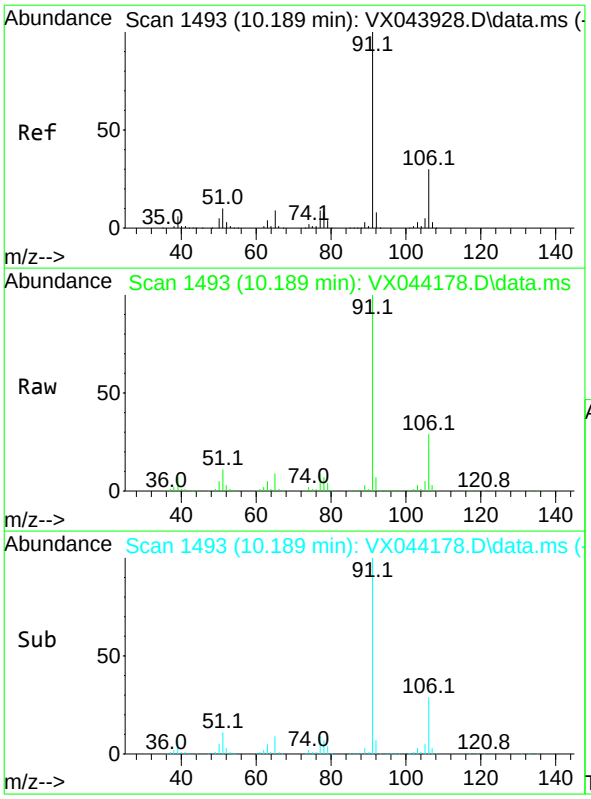


#66
1,1,1,2-Tetrachloroethane
Concen: 19.979 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion:131 Resp: 29738

Ion	Ratio	Lower	Upper
131	100		
133	94.1	48.2	144.6
119	63.2	31.5	94.5

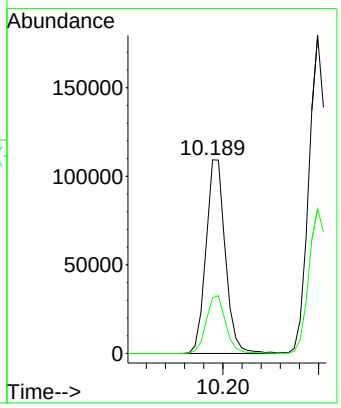




#67
Ethyl Benzene
Concen: 19.709 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 91 Resp: 153285

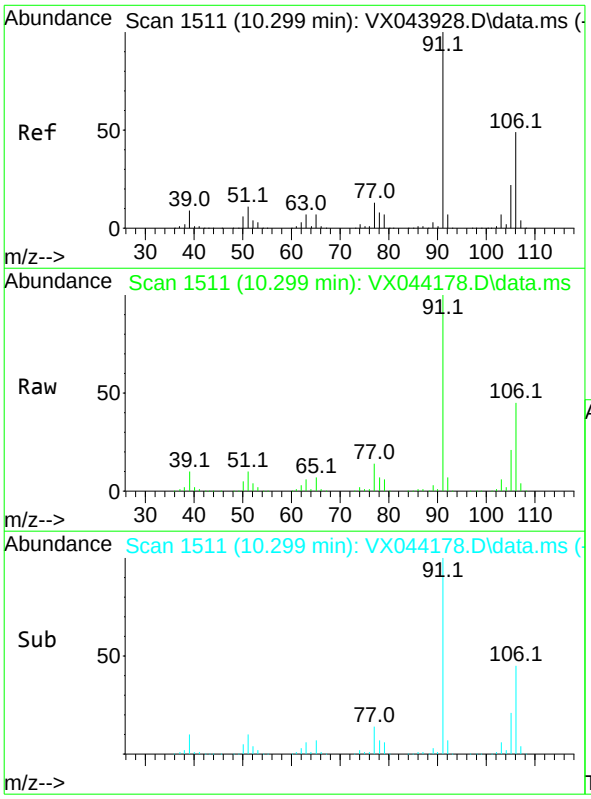
Ion	Ratio	Lower	Upper
91	100		
106	28.8	23.6	35.4



Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

Manual Integrations
APPROVED

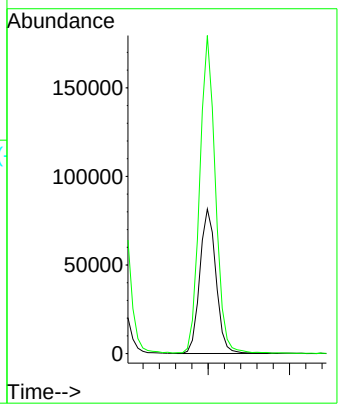
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

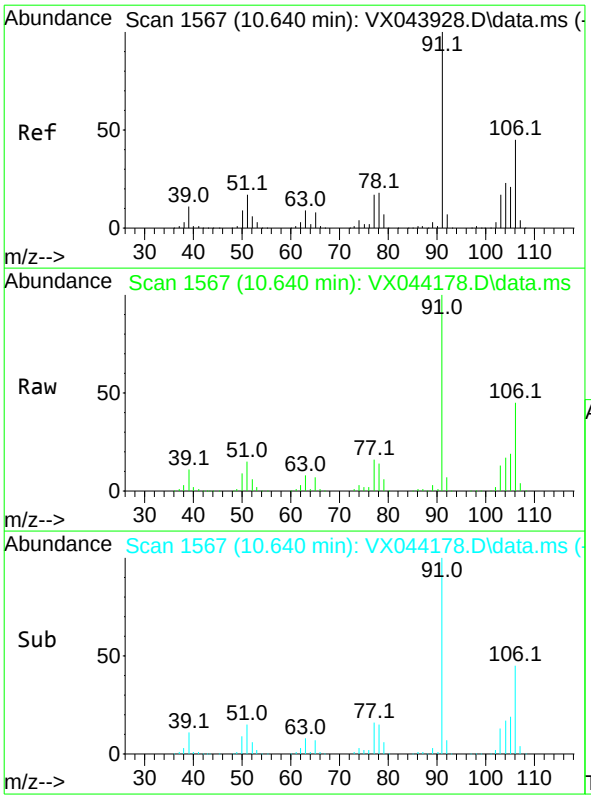


#68
m/p-Xylenes
Concen: 38.830 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion:106 Resp: 112617

Ion	Ratio	Lower	Upper
106	100		
91	213.6	168.1	252.1





#69
o-Xylene
Concen: 20.202 ug/l
RT: 10.640 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

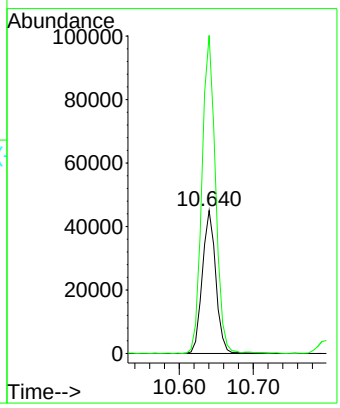
Tgt Ion:106 Resp: 57207

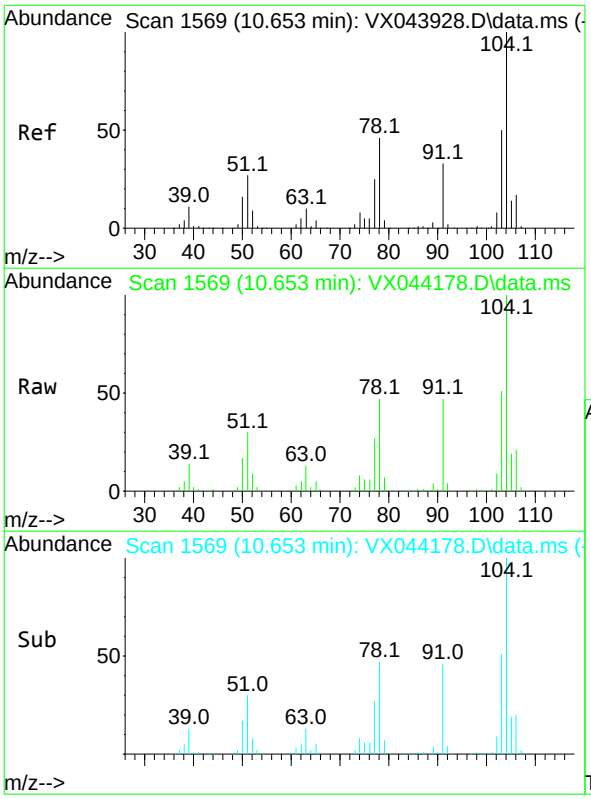
Ion	Ratio	Lower	Upper
106	100		
91	223.3	110.2	330.6

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

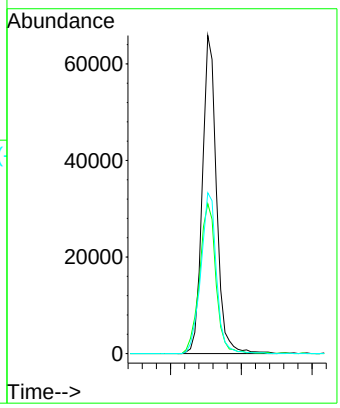


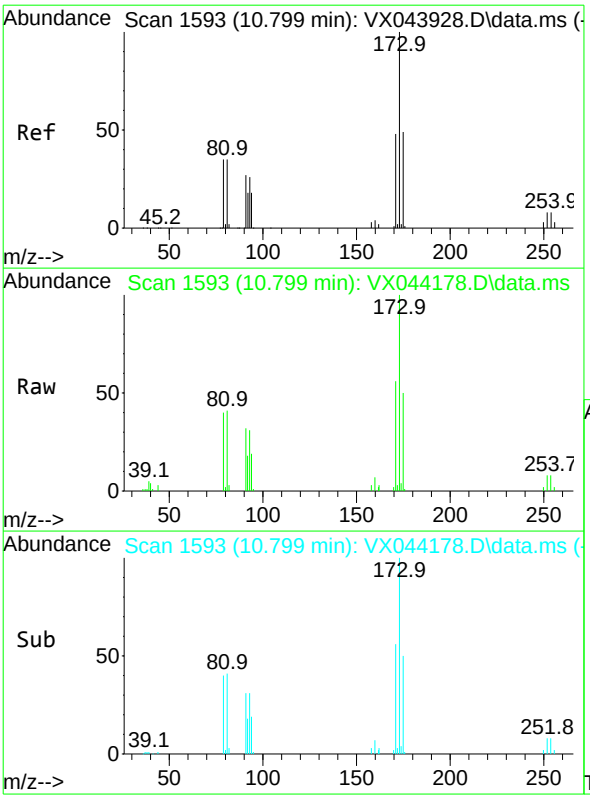


#70
Styrene
Concen: 19.631 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion:104 Resp: 91943

Ion	Ratio	Lower	Upper
104	100		
78	54.3	42.2	63.2
103	55.6	44.7	67.1

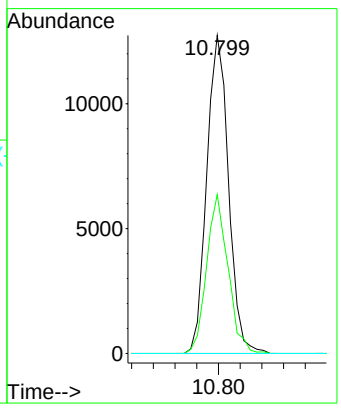




#71
Bromoform
Concen: 17.090 ug/l
RT: 10.799 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion:173 Resp: 17741

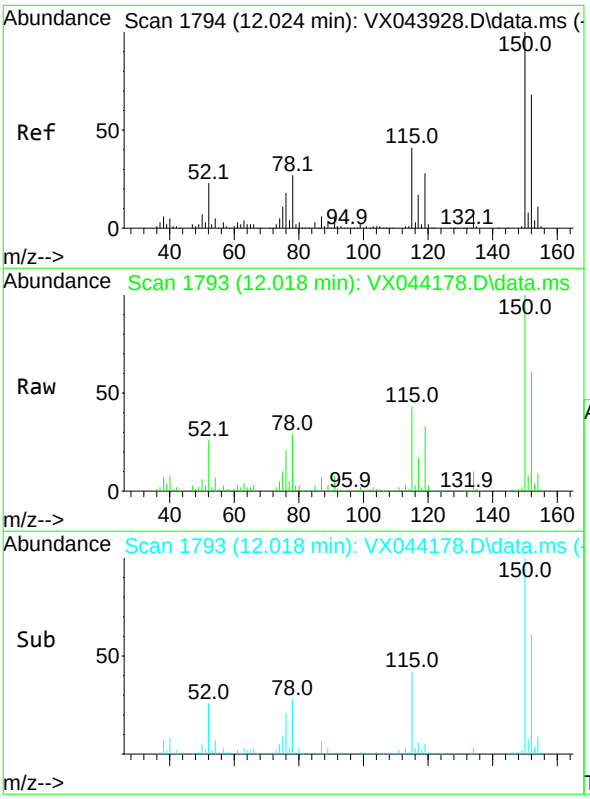
Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.1	72.2
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

Manual Integrations
APPROVED

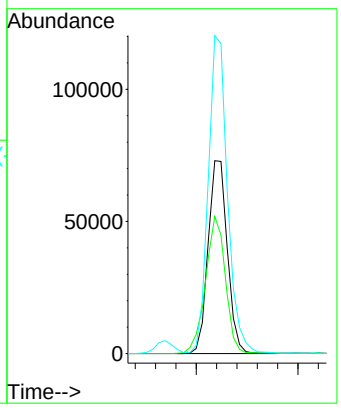
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

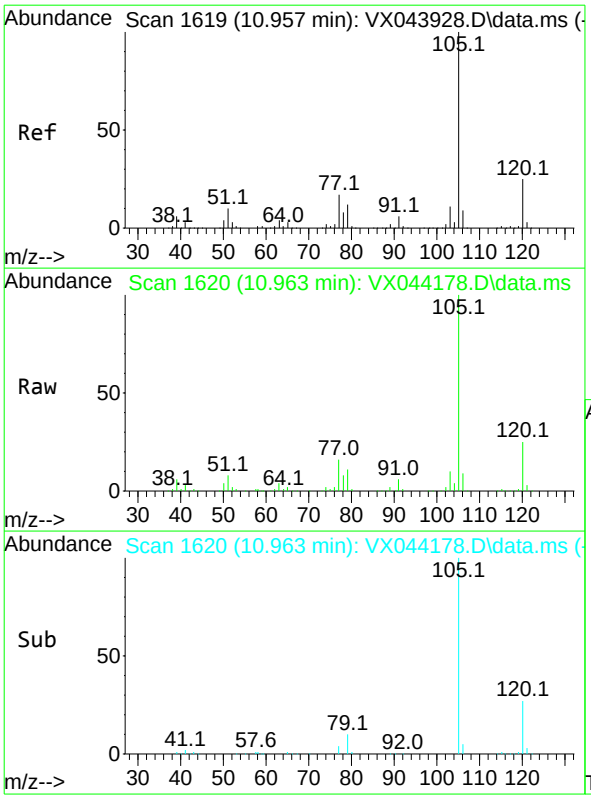


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion:152 Resp: 95808

Ion	Ratio	Lower	Upper
152	100		
115	73.6	45.4	136.2
150	165.0	0.0	353.0

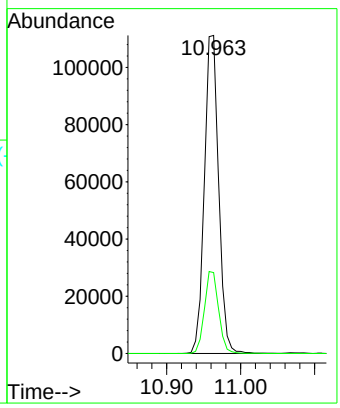




#73
Isopropylbenzene
Concen: 20.211 ug/l
RT: 10.963 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion:105 Resp: 148847

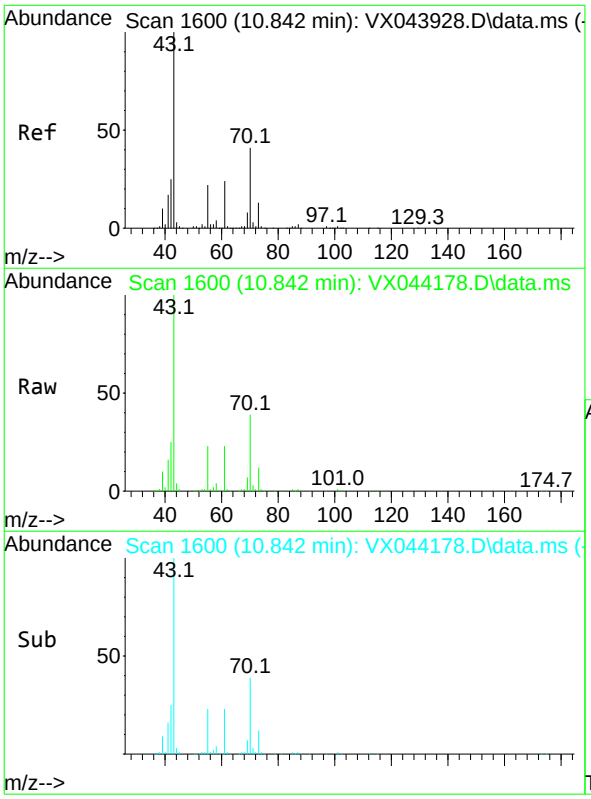
Ion	Ratio	Lower	Upper
105	100		
120	25.6	13.0	38.9



Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

Manual Integrations APPROVED

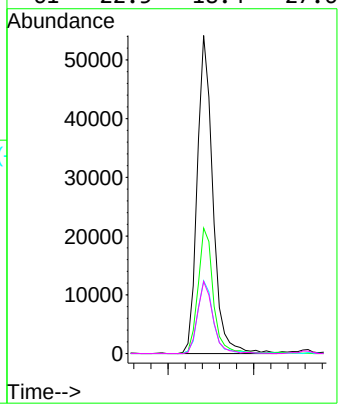
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

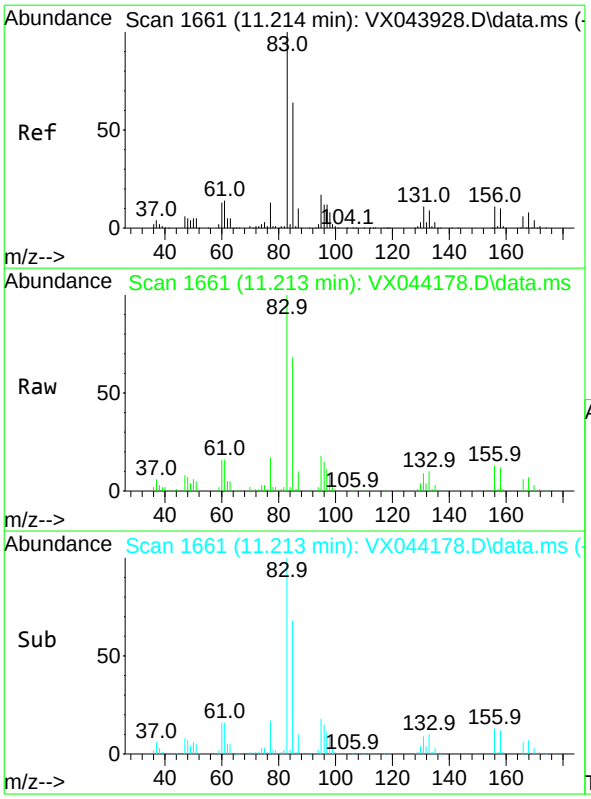


#74
N-amyl acetate
Concen: 20.145 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 43 Resp: 68730

Ion	Ratio	Lower	Upper
43	100		
70	38.3	32.2	48.2
55	22.8	18.1	27.1
61	22.5	18.4	27.6





#75
1,1,2,2-Tetrachloroethane
Concen: 20.061 ug/l
RT: 11.213 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

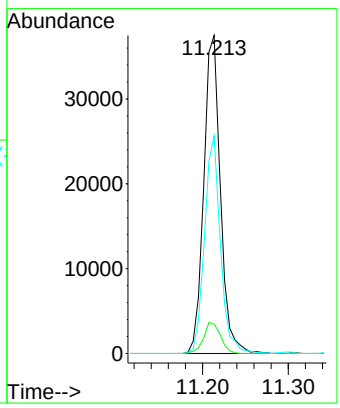
Tgt Ion: 83 Resp: 50588

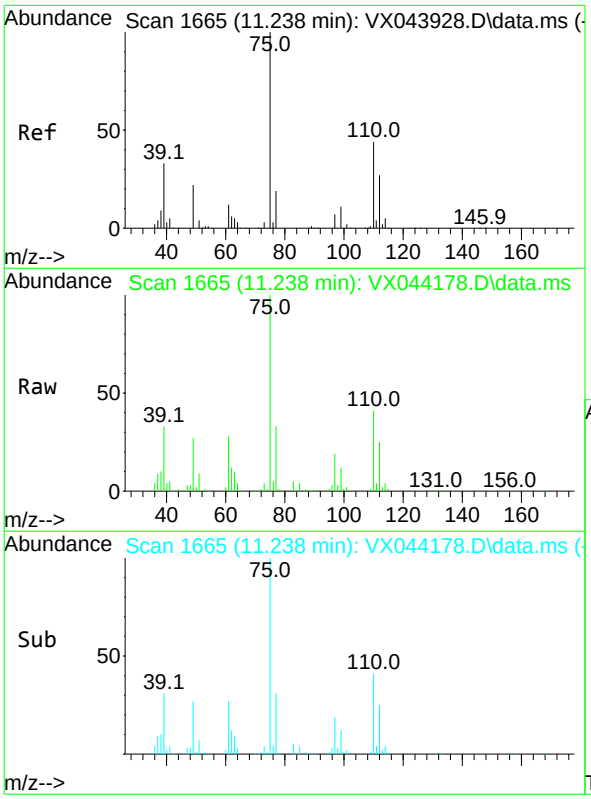
Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.1	15.2
85	65.6	32.2	96.6

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

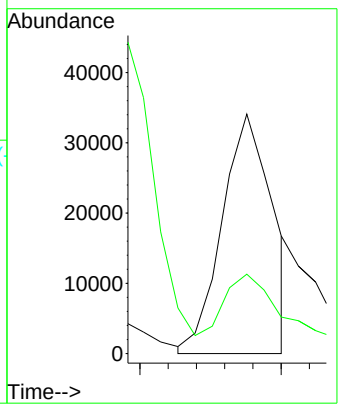


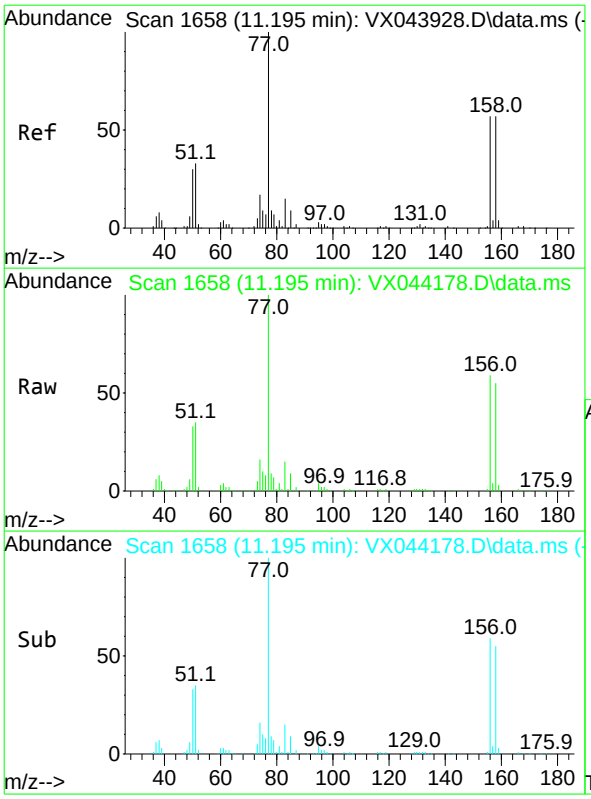


#76
1,2,3-Trichloropropane
Concen: 20.124 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 75 Resp: 42281

Ion	Ratio	Lower	Upper
75	100		
77	43.1	21.8	65.3





#77
Bromobenzene
Concen: 19.595 ug/l
RT: 11.195 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

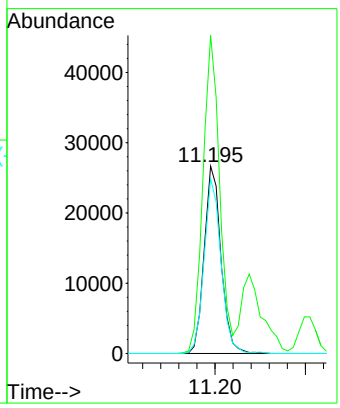
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

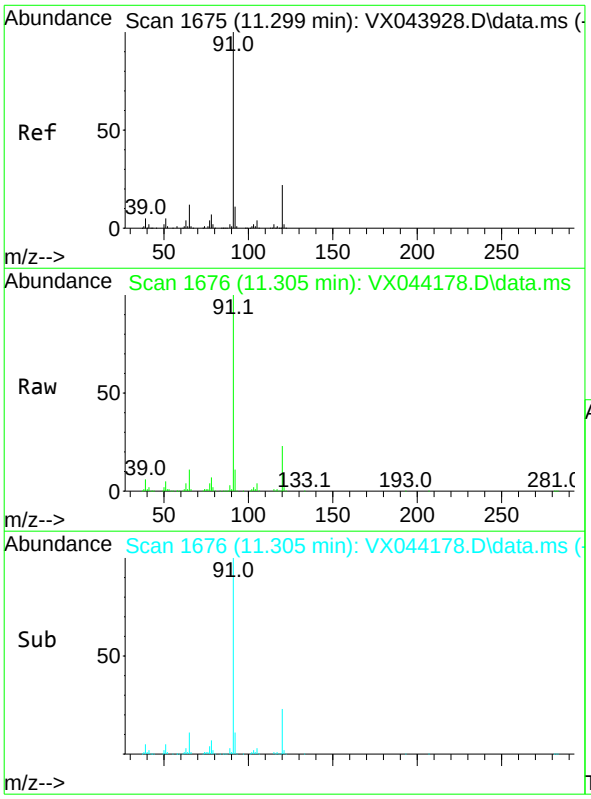
Tgt Ion:156 Resp: 34426

Ion	Ratio	Lower	Upper
156	100		
77	168.2	83.4	250.1
158	94.2	47.6	142.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

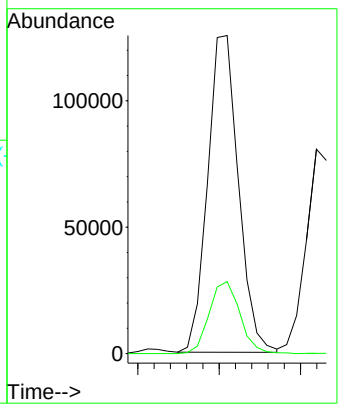


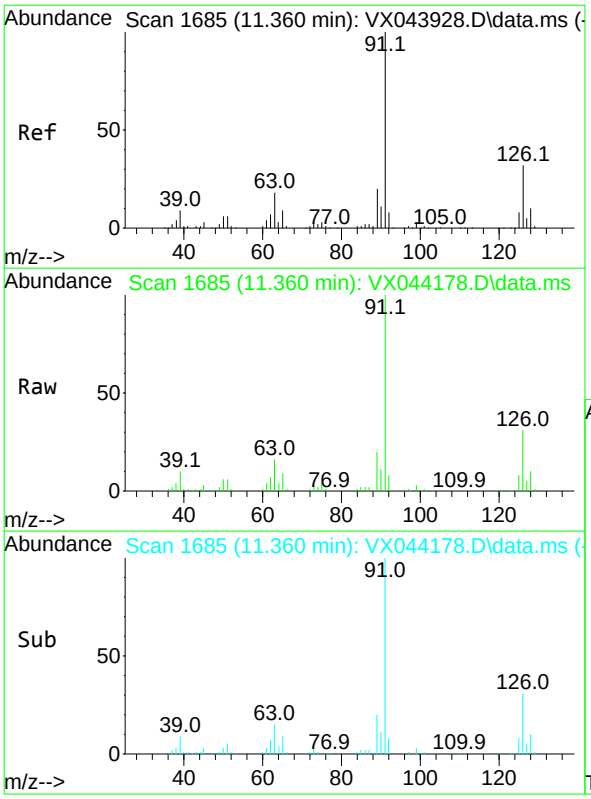


#78
n-propylbenzene
Concen: 20.069 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 91 Resp: 165076

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.5	34.4

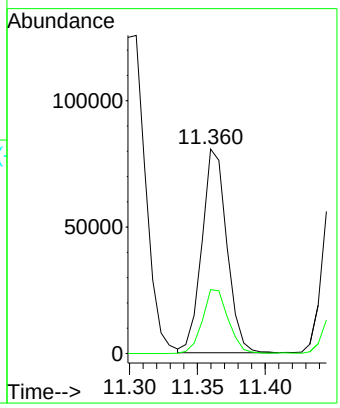




#79
2-Chlorotoluene
Concen: 19.821 ug/l
RT: 11.360 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 91 Resp: 103092

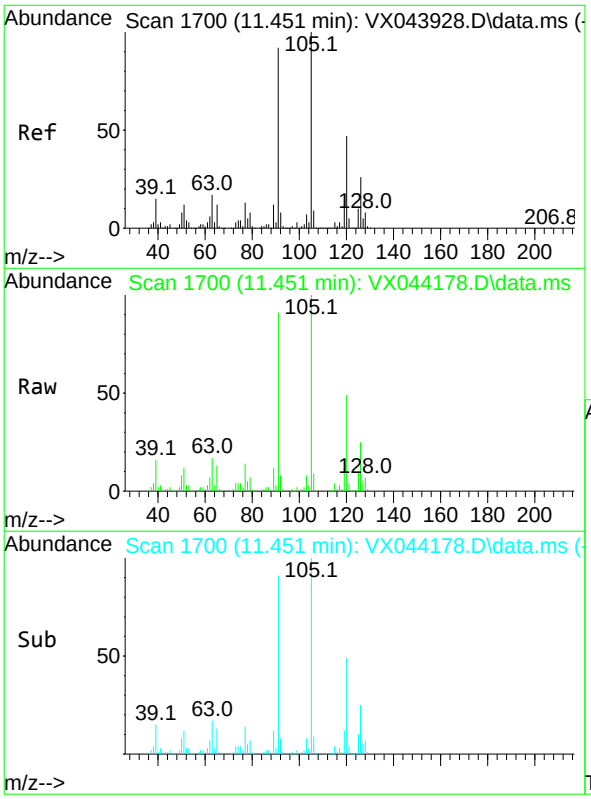
Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.6	49.8



Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

Manual Integrations
APPROVED

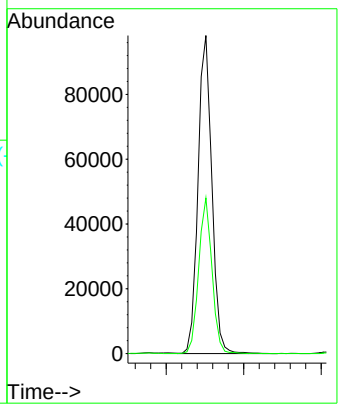
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

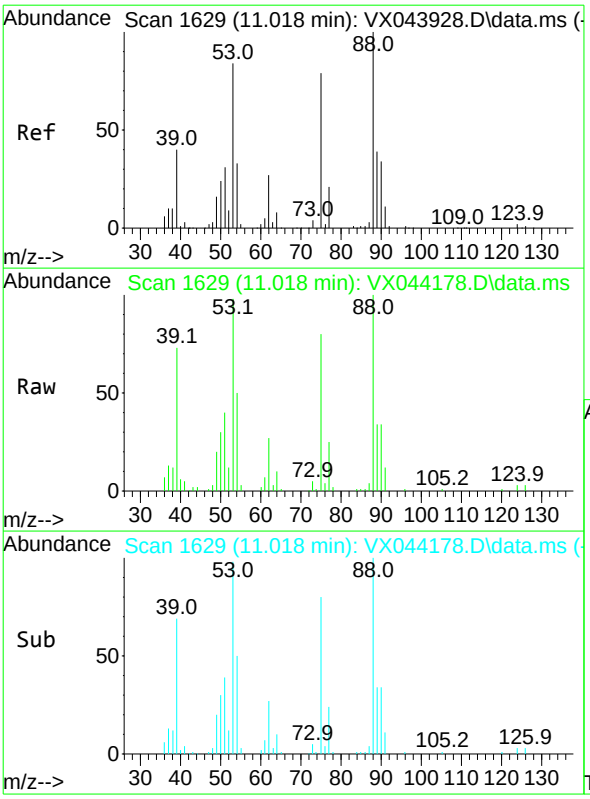


#80
1,3,5-Trimethylbenzene
Concen: 20.053 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion:105 Resp: 121500

Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.3	69.8





#81
trans-1,4-Dichloro-2-butene
Concen: 16.151 ug/l
RT: 11.018 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

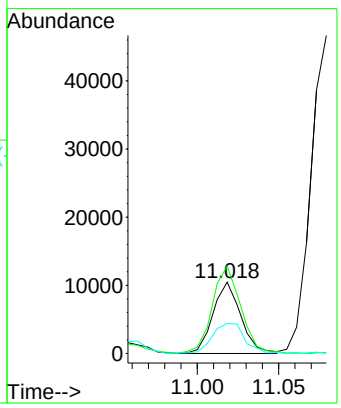
Tgt Ion: 75 Resp: 12436

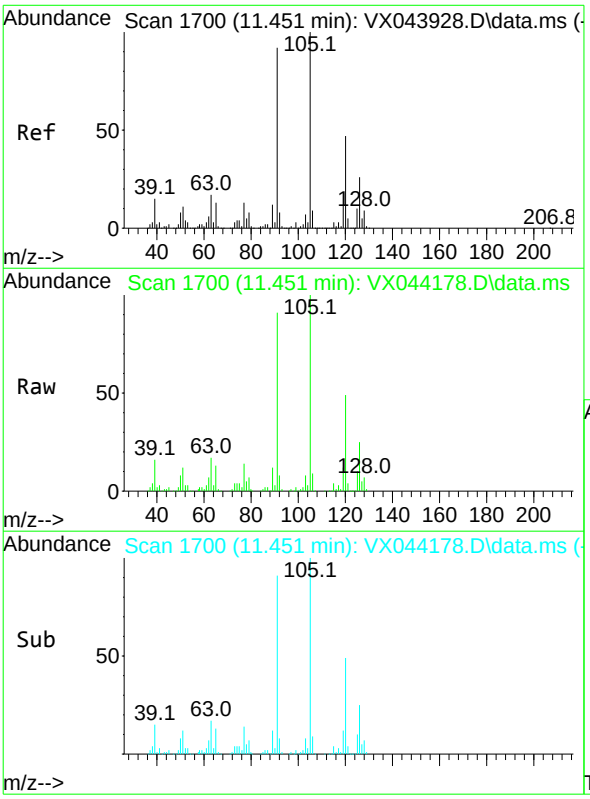
Ion	Ratio	Lower	Upper
75	100		
53	125.8	86.7	130.1
89	48.9	38.2	57.2

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

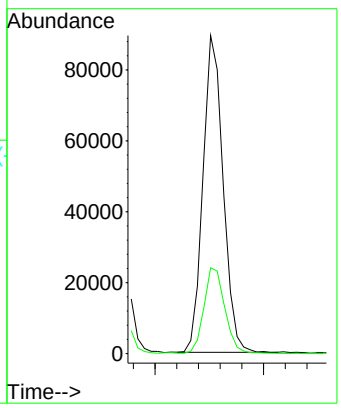


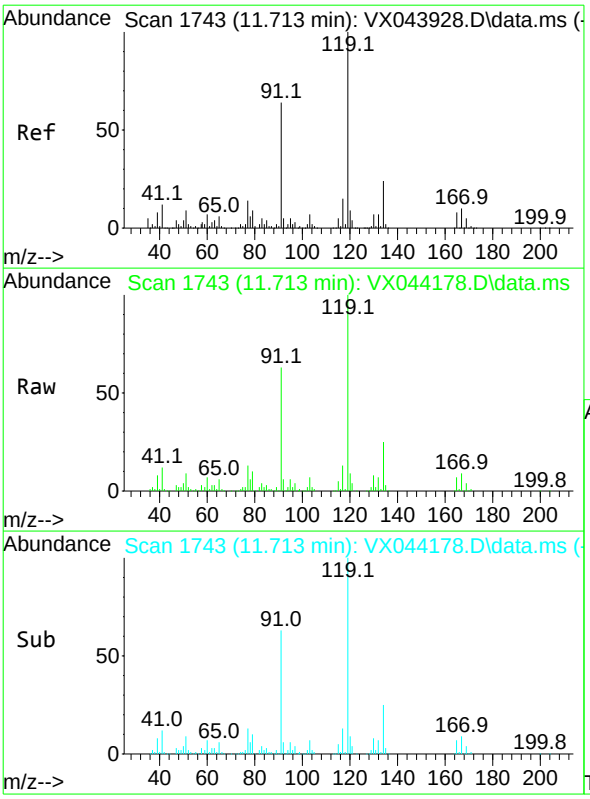


#82
4-Chlorotoluene
Concen: 19.624 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 91 Resp: 115232

Ion	Ratio	Lower	Upper
91	100		
126	28.2	14.3	42.9

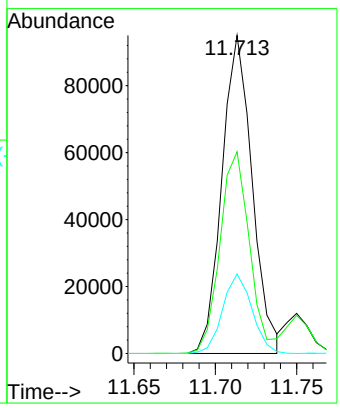




#83
tert-Butylbenzene
Concen: 20.446 ug/l
RT: 11.713 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion:119 Resp: 122790

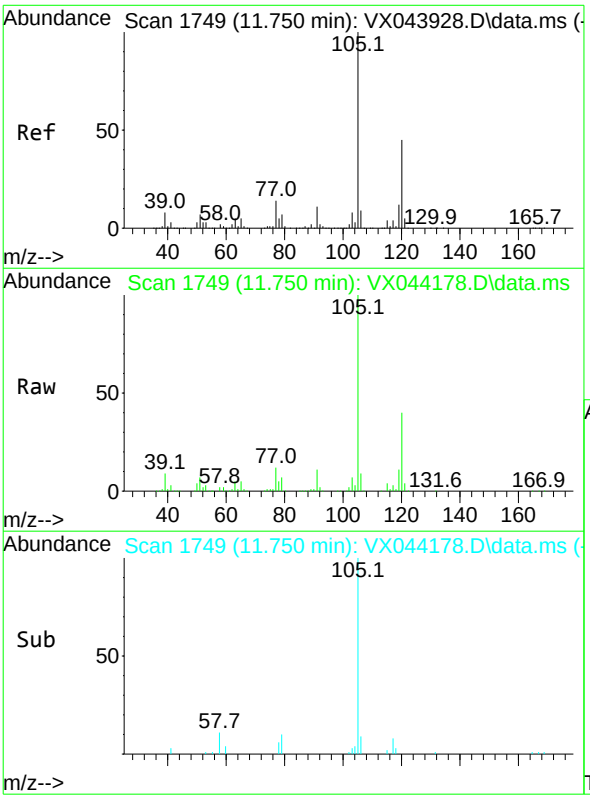
Ion	Ratio	Lower	Upper
119	100		
91	62.5	31.0	93.0
134	24.3	11.6	34.8



Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

Manual Integrations
APPROVED

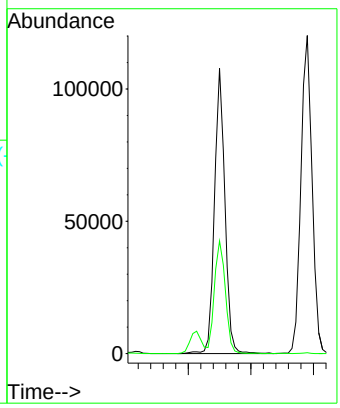
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

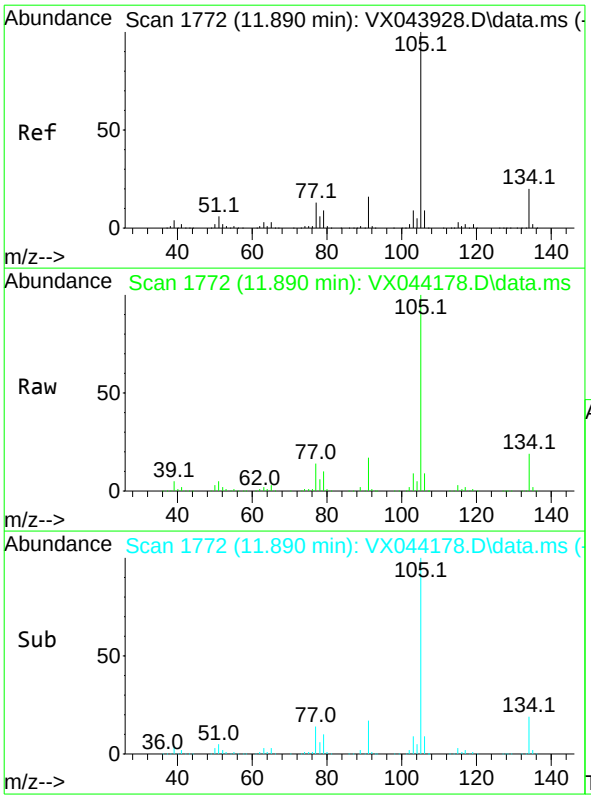


#84
1,2,4-Trimethylbenzene
Concen: 20.696 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion:105 Resp: 124841

Ion	Ratio	Lower	Upper
105	100		
120	41.2	21.9	65.7

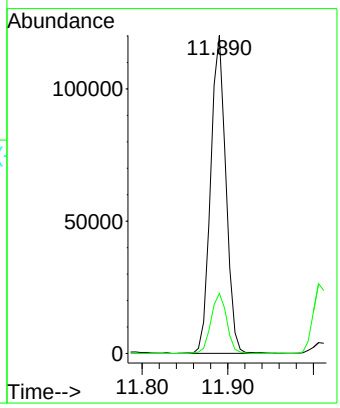




#85
sec-Butylbenzene
Concen: 20.184 ug/l
RT: 11.890 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion:105 Resp: 148512

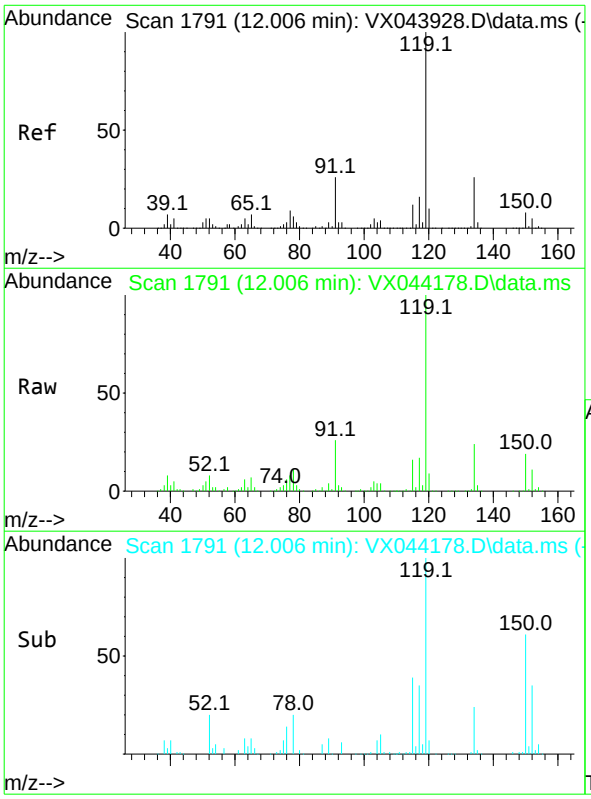
Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.7	29.1



Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

Manual Integrations
APPROVED

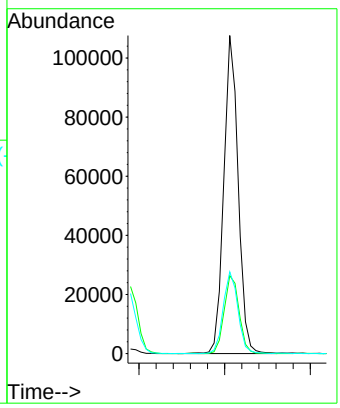
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

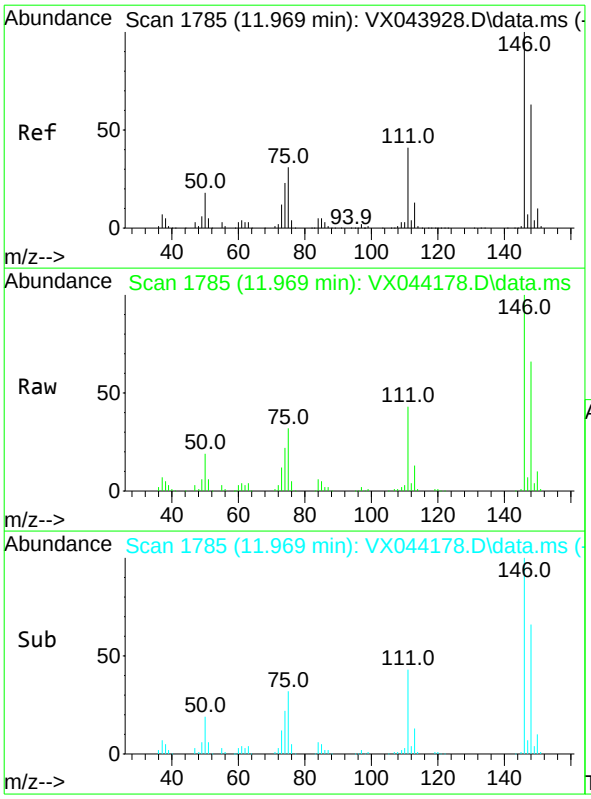


#86
p-Isopropyltoluene
Concen: 20.982 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion:119 Resp: 125408

Ion	Ratio	Lower	Upper
119	100		
134	25.5	13.0	38.9
91	26.4	13.0	38.9

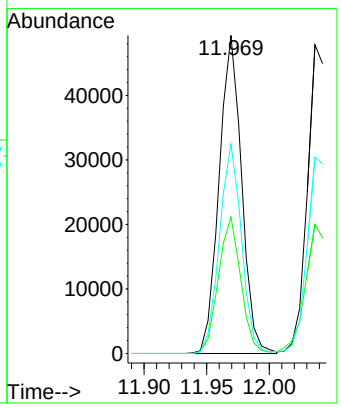




#87
1,3-Dichlorobenzene
Concen: 19.238 ug/l
RT: 11.969 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion:146 Resp: 61556

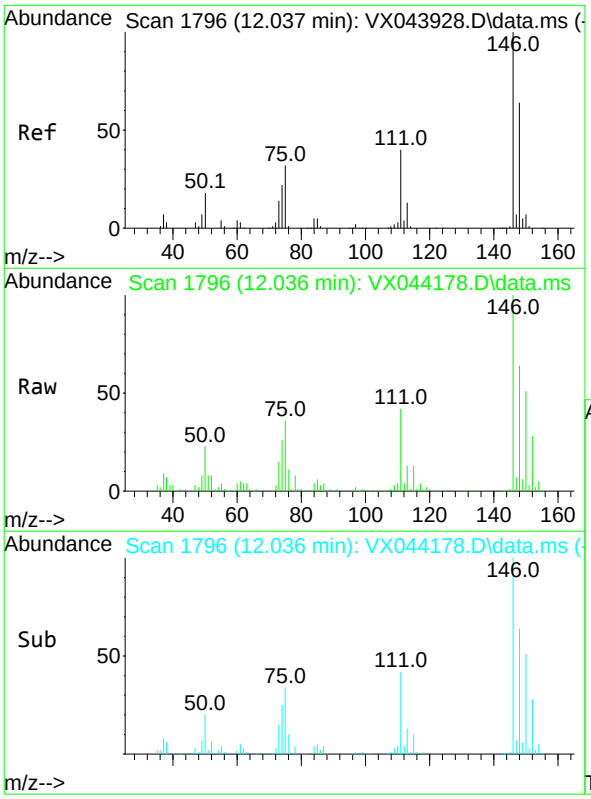
Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.1	63.3
148	64.6	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

Manual Integrations
APPROVED

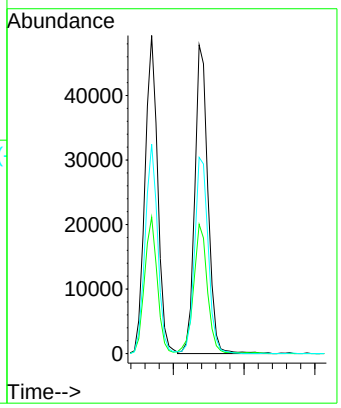
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

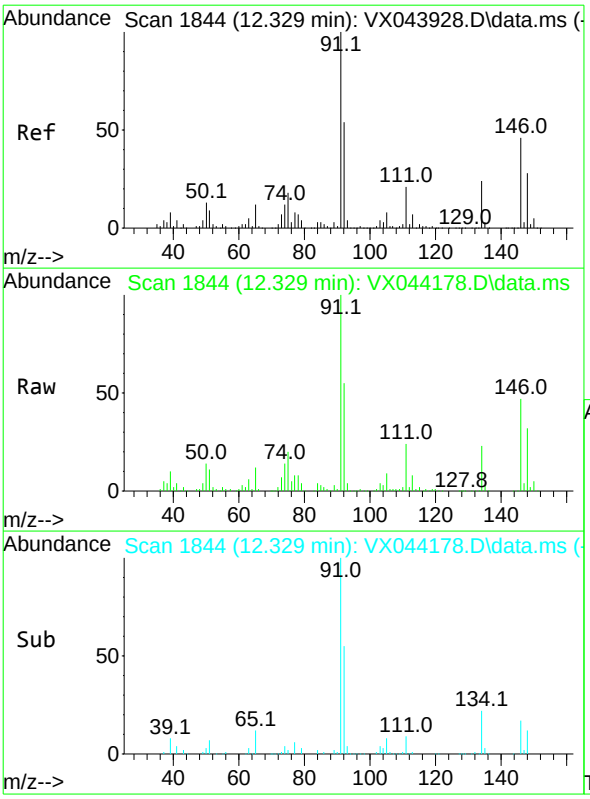


#88
1,4-Dichlorobenzene
Concen: 18.952 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion:146 Resp: 61826

Ion	Ratio	Lower	Upper
146	100		
111	43.4	20.1	60.3
148	66.0	30.9	92.8





#89
n-Butylbenzene
Concen: 19.742 ug/l
RT: 12.329 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

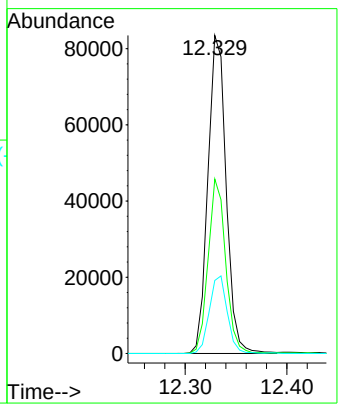
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

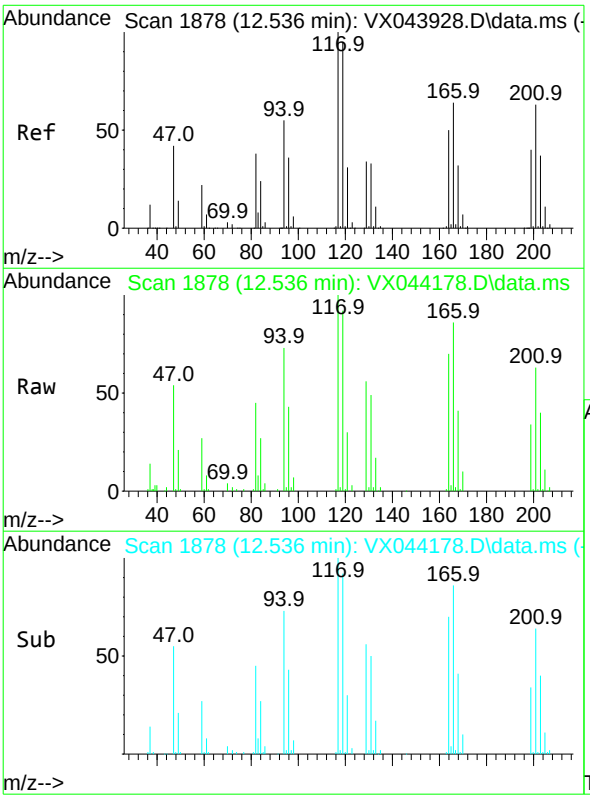
Tgt Ion: 91 Resp: 104032

Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.6	79.8
134	24.0	12.4	37.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

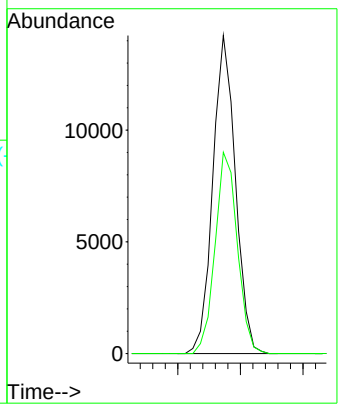


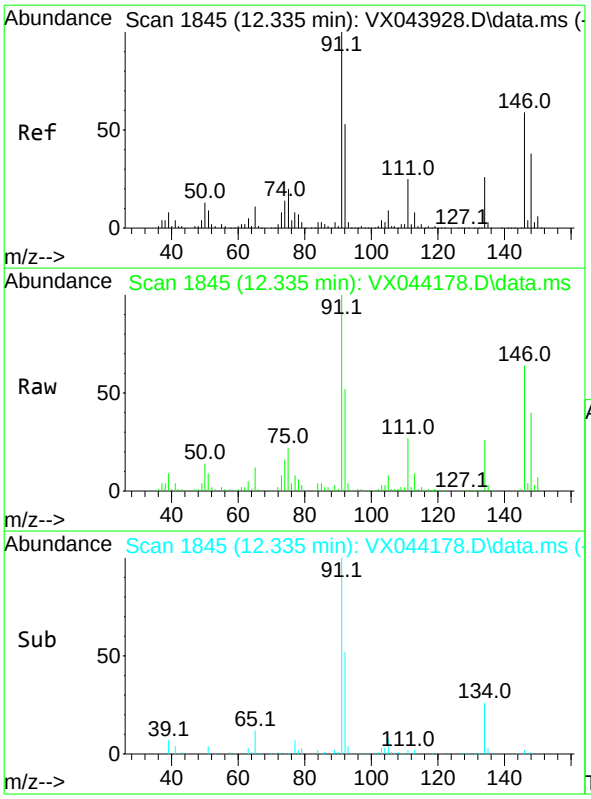


#90
Hexachloroethane
Concen: 17.554 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion:117 Resp: 17841

Ion	Ratio	Lower	Upper
117	100		
201	62.3	32.4	97.0





#91
1,2-Dichlorobenzene
Concen: 19.166 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

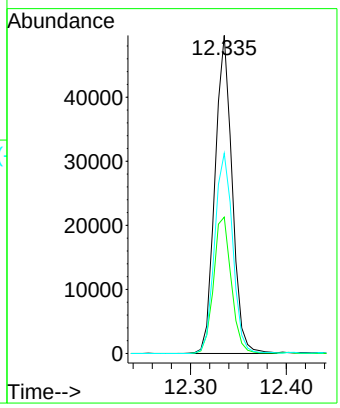
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

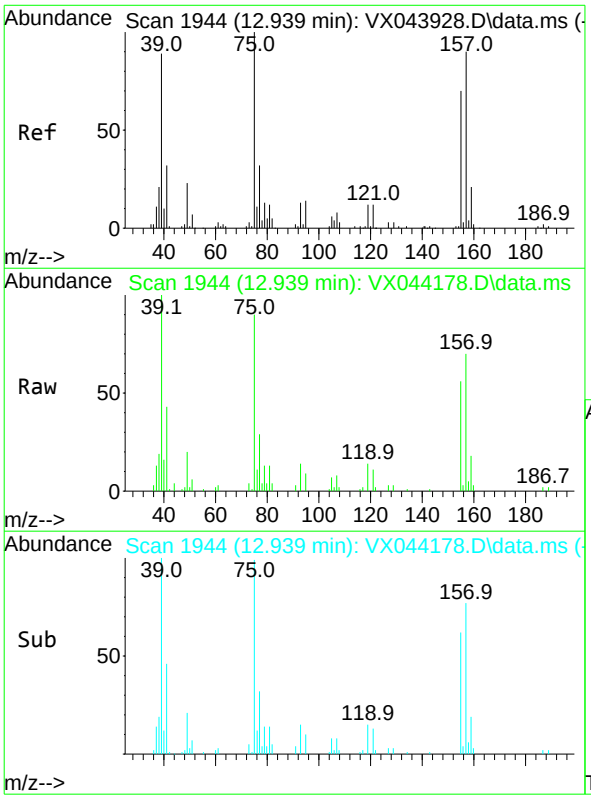
Tgt Ion:146 Resp: 61888

Ion	Ratio	Lower	Upper
146	100		
111	44.4	21.5	64.5
148	66.4	31.9	95.5

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

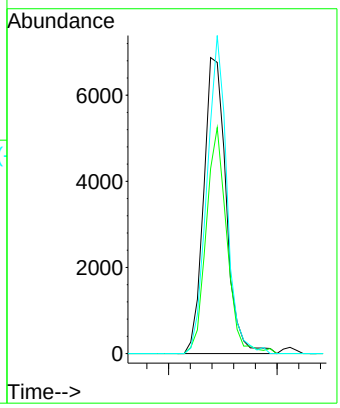


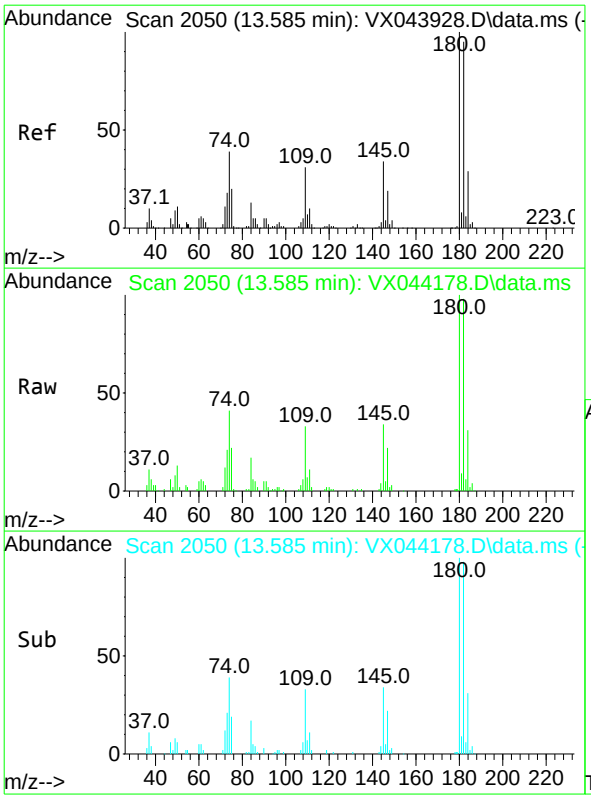


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.561 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 75 Resp: 9884

Ion	Ratio	Lower	Upper
75	100		
155	70.2	40.1	120.2
157	95.1	49.6	149.0

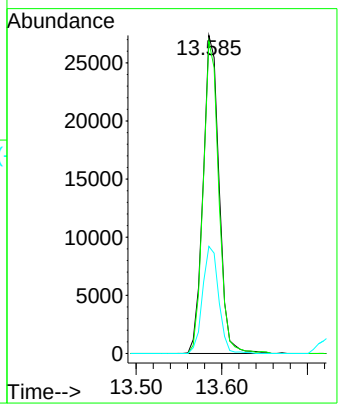




#93
1,2,4-Trichlorobenzene
Concen: 18.559 ug/l
RT: 13.585 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion:180 Resp: 35332

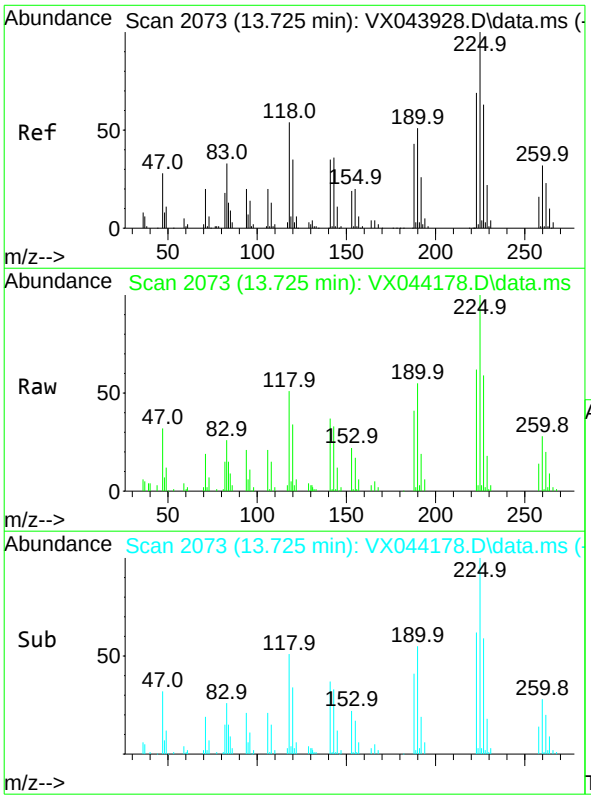
Ion	Ratio	Lower	Upper
180	100		
182	95.7	48.0	144.2
145	34.0	16.8	50.4



Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

Manual Integrations APPROVED

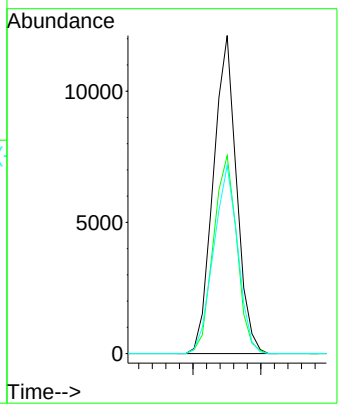
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

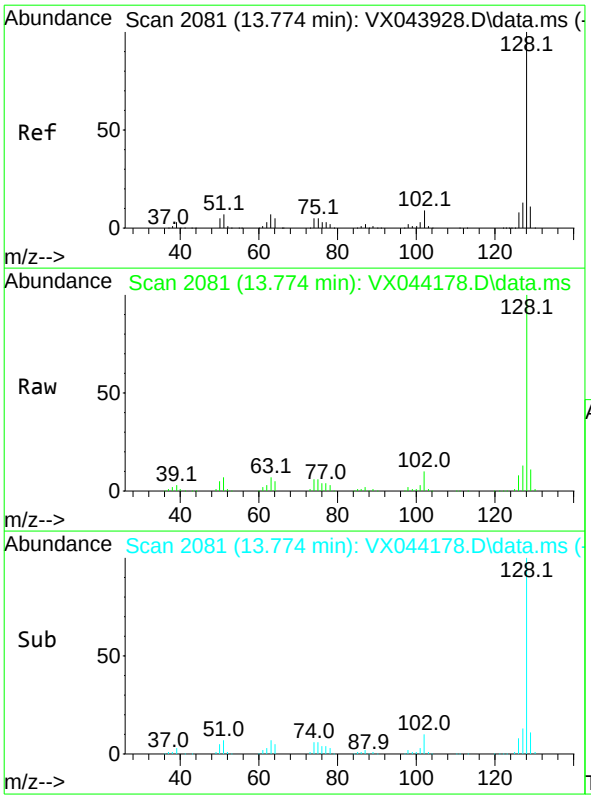


#94
Hexachlorobutadiene
Concen: 19.222 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion:225 Resp: 14463

Ion	Ratio	Lower	Upper
225	100		
223	62.8	32.9	98.6
227	61.3	31.6	94.8

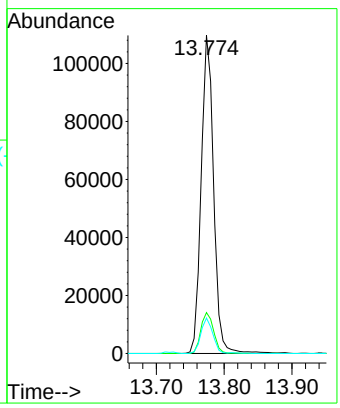




#95
Naphthalene
Concen: 20.408 ug/l
RT: 13.774 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion:128 Resp: 139855

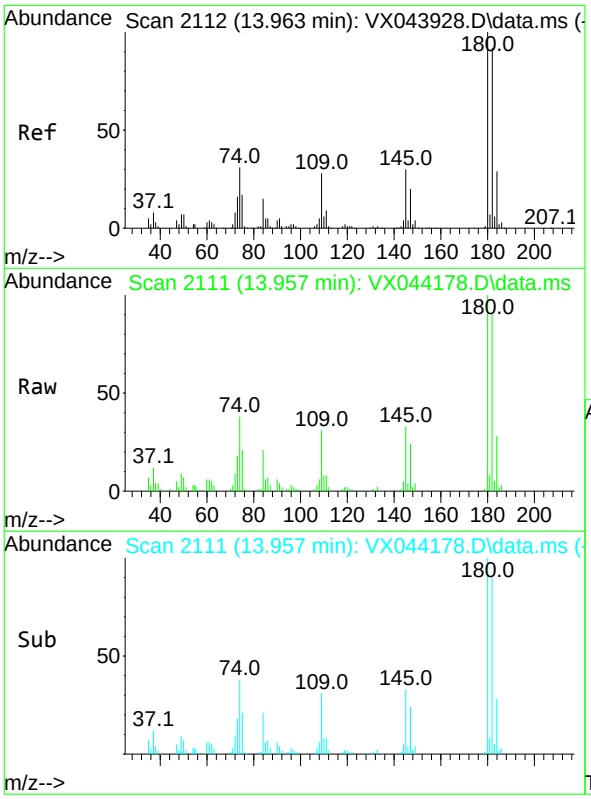
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.2
129	10.6	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

Manual Integrations
APPROVED

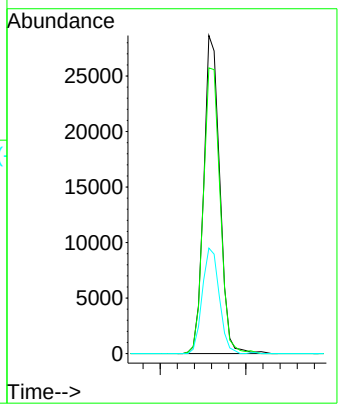
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#96
1,2,3-Trichlorobenzene
Concen: 19.284 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion:180 Resp: 37158

Ion	Ratio	Lower	Upper
180	100		
182	93.6	45.6	136.8
145	35.1	16.4	49.4



Raw Data: **VX044201.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX1210WBS01	SDG No.:	P5164
Lab Sample ID:	VX1210WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044201.D	1		12/10/24 12:22	VX121024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	15.1		0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	15.9		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	17.7		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	20.3		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	21.4		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.2		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.1		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.5		0.26	0.75	1.00	ug/L
67-64-1	Acetone	91.1		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	12.9		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.4		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	20.4		0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	18.4		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	17.6		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.2		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	17.7		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	18.3		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.2		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	20.1		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.2		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	16.8		0.19	0.50	1.00	ug/L
71-43-2	Benzene	19.0		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.2		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	16.4		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.7		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	20.0		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.75	2.50	5.00	ug/L
108-88-3	Toluene	19.9		0.18	0.50	1.00	ug/L

Raw Data: **VX044201.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX1210WBS01	SDG No.:	P5164
Lab Sample ID:	VX1210WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044201.D	1		12/10/24 12:22	VX121024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	18.8		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.8		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.2		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	110		1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	18.8		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.6		0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	19.9		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	19.6		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	20.0		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	20.3		0.14	0.50	1.00	ug/L
100-42-5	Styrene	20.2		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	17.7		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	20.1		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.7		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.0		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.4		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.7		0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	19.1		0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	17.4		0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.0		0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.6		81 - 118		105%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	49.6		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.7		85 - 114		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	143000	5.544				
540-36-3	1,4-Difluorobenzene	255000	6.757				
3114-55-4	Chlorobenzene-d5	218000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	101000	12.024				

Raw Data: **VX044201.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX1210WBS01	SDG No.:	P5164
Lab Sample ID:	VX1210WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044201.D	1		12/10/24 12:22	VX121024

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\VX121024\
Data File : VX044201.D
Acq On : 10 Dec 2024 12:22
Operator : JC/MD
Sample : VX1210WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 11 01:28:40 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 :
VX1210WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	143461	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	255477	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	217630	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	101326	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	129362	52.573	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.140%			
35) Dibromofluoromethane	5.379	113	92918	50.900	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.800%			
50) Toluene-d8	8.647	98	311978	49.578	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.160%			
62) 4-Bromofluorobenzene	11.079	95	110798	51.736	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.480%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	27516	15.140	ug/l	99
3) Chloromethane	1.295	50	30484	15.939	ug/l	97
4) Vinyl Chloride	1.374	62	36016	17.705	ug/l	97
5) Bromomethane	1.593	94	25357	20.263	ug/l	99
6) Chloroethane	1.666	64	26478	21.362	ug/l	99
7) Trichlorofluoromethane	1.868	101	69776	19.186	ug/l	95
8) Diethyl Ether	2.130	74	26007	19.620	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.313	101	31317	18.052	ug/l	98
10) Methyl Iodide	2.441	142	40131	18.522	ug/l	97
11) Tert butyl alcohol	2.989	59	32534	82.375	ug/l	97
12) 1,1-Dichloroethene	2.307	96	29004	17.545	ug/l	99
13) Acrolein	2.240	56	29903	71.832	ug/l	98
14) Allyl chloride	2.654	41	47939	17.748	ug/l	96
15) Acrylonitrile	3.069	53	97496	101.298	ug/l	99
16) Acetone	2.386	43	102985	91.126	ug/l	100
17) Carbon Disulfide	2.502	76	43919	12.880	ug/l	99
18) Methyl Acetate	2.709	43	53732	20.416	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	122196	20.358	ug/l	97
20) Methylene Chloride	2.782	84	35205	18.357	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	30038	17.600	ug/l	98
22) Diisopropyl ether	3.764	45	114408	19.808	ug/l	92
23) Vinyl Acetate	3.721	43	487174	98.600	ug/l	99
24) 1,1-Dichloroethane	3.605	63	64095	19.236	ug/l	98
25) 2-Butanone	4.562	43	149041	102.207	ug/l	100
26) 2,2-Dichloropropane	4.471	77	54378	18.070	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	40454	19.176	ug/l	98
28) Bromochloromethane	4.898	49	31279	21.326	ug/l	98
29) Tetrahydrofuran	5.013	42	91295	102.121	ug/l	99
30) Chloroform	5.093	83	71902	20.063	ug/l	99
31) Cyclohexane	5.465	56	48485	17.680	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	62516	20.229	ug/l	99
36) 1,1-Dichloropropene	5.684	75	42707	18.774	ug/l	99
37) Ethyl Acetate	4.721	43	56223	19.911	ug/l	98
38) Carbon Tetrachloride	5.666	117	46733	18.283	ug/l	96
39) Methylcyclohexane	7.379	83	49682	16.811	ug/l	95
40) Benzene	6.032	78	134799	19.024	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044201.D
Acq On : 10 Dec 2024 12:22
Operator : JC/MD
Sample : VX1210WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 11 01:28:40 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 :
VX1210WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.928	41	30829	21.331 ug/l		95
42) 1,2-Dichloroethane	6.086	62	57506	20.207 ug/l		99
43) Isopropyl Acetate	6.342	43	92107	20.496 ug/l		99
44) Trichloroethene	7.123	130	32850	16.377 ug/l		96
45) 1,2-Dichloropropane	7.434	63	34167	19.687 ug/l		94
46) Dibromomethane	7.580	93	27883	20.310 ug/l		99
47) Bromodichloromethane	7.818	83	49215	19.988 ug/l		98
48) Methyl methacrylate	7.696	41	43021	19.951 ug/l		99
49) 1,4-Dioxane	7.665	88	9854	256.541 ug/l	#	38
51) 4-Methyl-2-Pentanone	8.574	43	301689	110.009 ug/l		98
52) Toluene	8.720	92	84219	19.858 ug/l		99
53) t-1,3-Dichloropropene	8.976	75	47285	18.833 ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	51841	18.834 ug/l		98
55) 1,1,2-Trichloroethane	9.153	97	35301	20.164 ug/l		98
56) Ethyl methacrylate	9.116	69	55856	20.483 ug/l		97
57) 1,3-Dichloropropane	9.305	76	60589	20.545 ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	123591	82.064 ug/l		97
59) 2-Hexanone	9.433	43	221552	107.484 ug/l		100
60) Dibromochloromethane	9.519	129	33007	18.791 ug/l		95
61) 1,2-Dibromoethane	9.610	107	36436	20.583 ug/l		99
64) Tetrachloroethene	9.275	164	28559	19.902 ug/l		97
65) Chlorobenzene	10.080	112	93648	19.593 ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	31344	20.220 ug/l		97
67) Ethyl Benzene	10.195	91	161984	20.000 ug/l		100
68) m/p-Xylenes	10.299	106	121841	40.339 ug/l		98
69) o-Xylene	10.640	106	59823	20.286 ug/l		98
70) Styrene	10.653	104	98764	20.249 ug/l		98
71) Bromoform	10.799	173	19230	17.726 ug/l	#	98
73) Isopropylbenzene	10.964	105	156270	20.063 ug/l		100
74) N-amyl acetate	10.842	43	72802	20.177 ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.214	83	55313	20.740 ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	45635m	20.537 ug/l		
77) Bromobenzene	11.195	156	36322	19.549 ug/l		99
78) n-propylbenzene	11.305	91	169125	19.442 ug/l		100
79) 2-Chlorotoluene	11.366	91	109815	19.964 ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	129646	20.232 ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	13258	16.281 ug/l		88
82) 4-Chlorotoluene	11.451	91	124570	20.059 ug/l		98
83) tert-Butylbenzene	11.713	119	130260	20.509 ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	133139	20.869 ug/l		98
85) sec-Butylbenzene	11.890	105	156966	20.171 ug/l		99
86) p-Isopropyltoluene	12.006	119	131174	20.752 ug/l		99
87) 1,3-Dichlorobenzene	11.970	146	64387	19.027 ug/l		99
88) 1,4-Dichlorobenzene	12.043	146	66782	19.356 ug/l		98
89) n-Butylbenzene	12.335	91	108826	19.527 ug/l		98
90) Hexachloroethane	12.536	117	18615	17.319 ug/l		94
91) 1,2-Dichlorobenzene	12.335	146	67188	19.674 ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	10196	19.080 ug/l		96
93) 1,2,4-Trichlorobenzene	13.591	180	34977	17.372 ug/l		94
94) Hexachlorobutadiene	13.725	225	14782	18.576 ug/l		99
95) Naphthalene	13.774	128	143097	19.744 ug/l		99
96) 1,2,3-Trichlorobenzene	13.963	180	38793	19.036 ug/l		99

Sample Results: **VX044201.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044201.D
Acq On : 10 Dec 2024 12:22
Operator : JC/MD
Sample : VX1210WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 11 01:28:40 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 :
VX1210WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

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

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

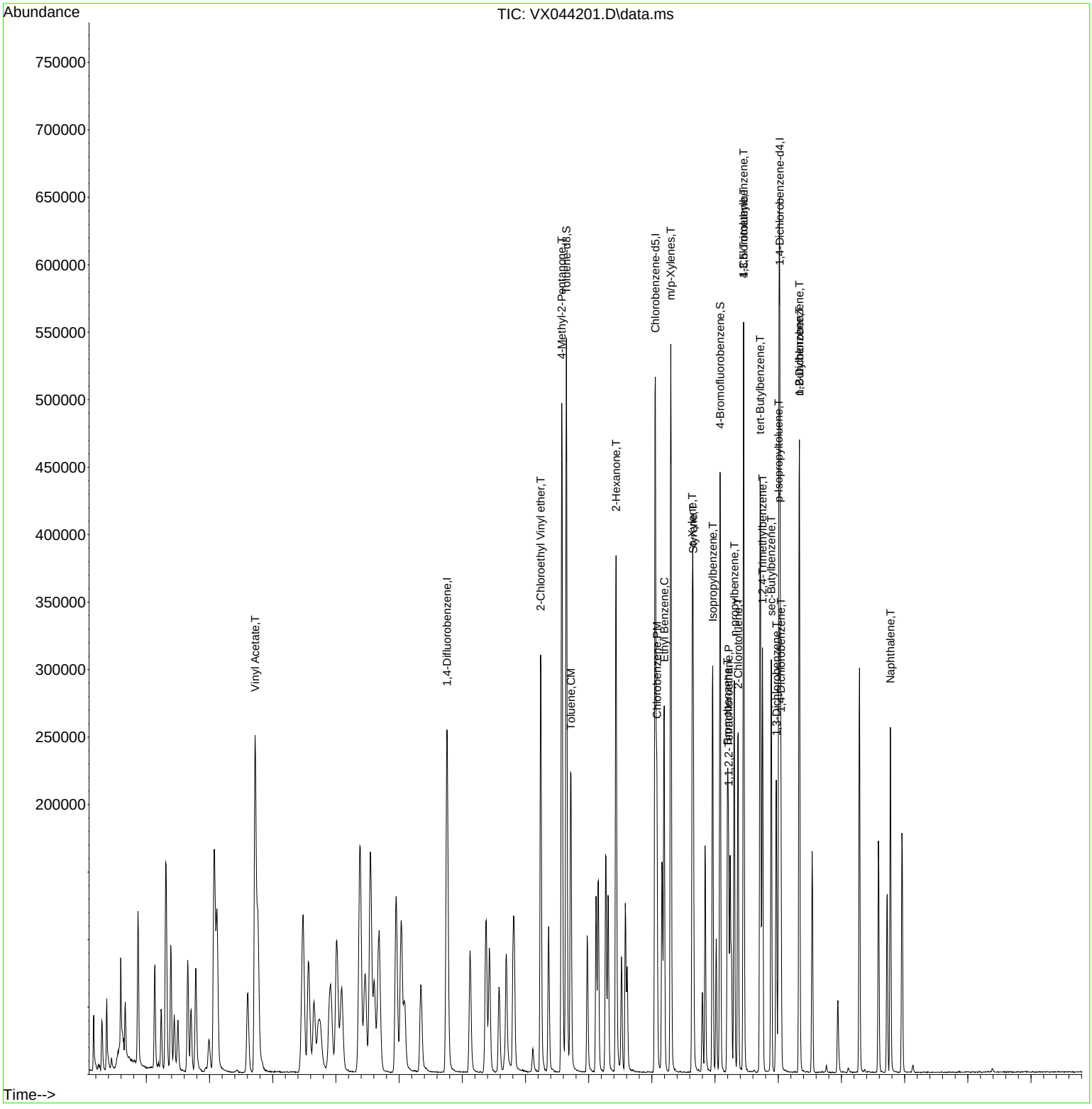
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044201.D
Acq On : 10 Dec 2024 12:22
Operator : JC/MD
Sample : VX1210WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

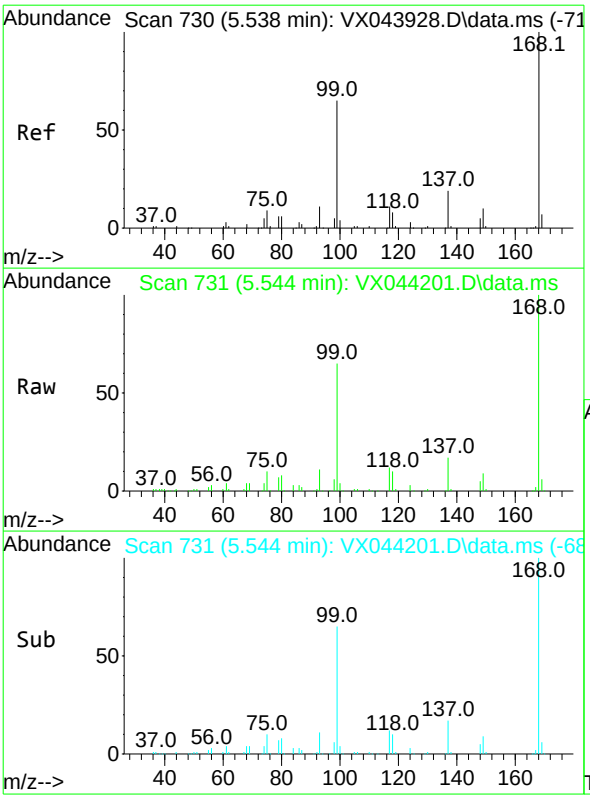
Quant Time: Dec 11 01:28:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

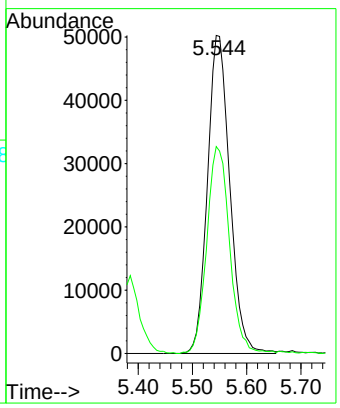




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion:168 Resp: 143461

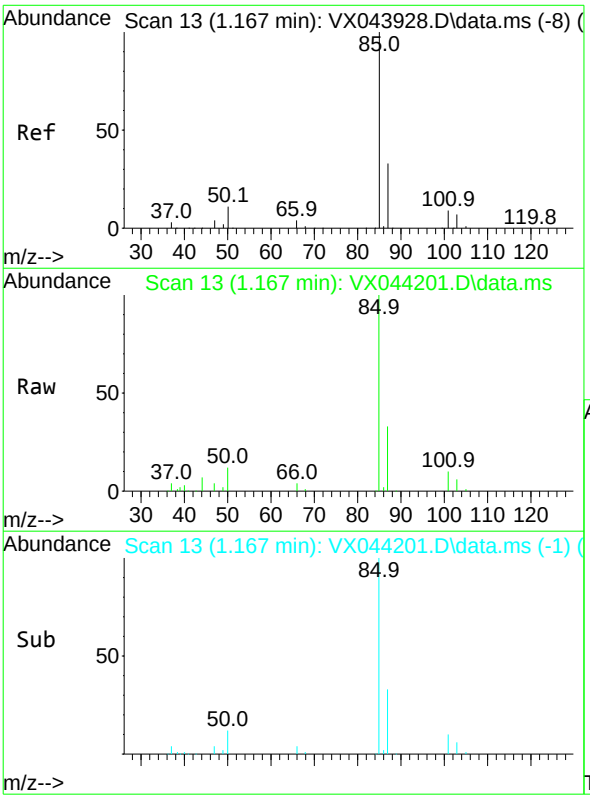
Ion	Ratio	Lower	Upper
168	100		
99	65.0	51.8	77.8



Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

Manual Integrations
APPROVED

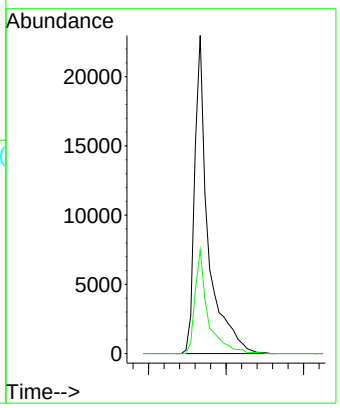
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

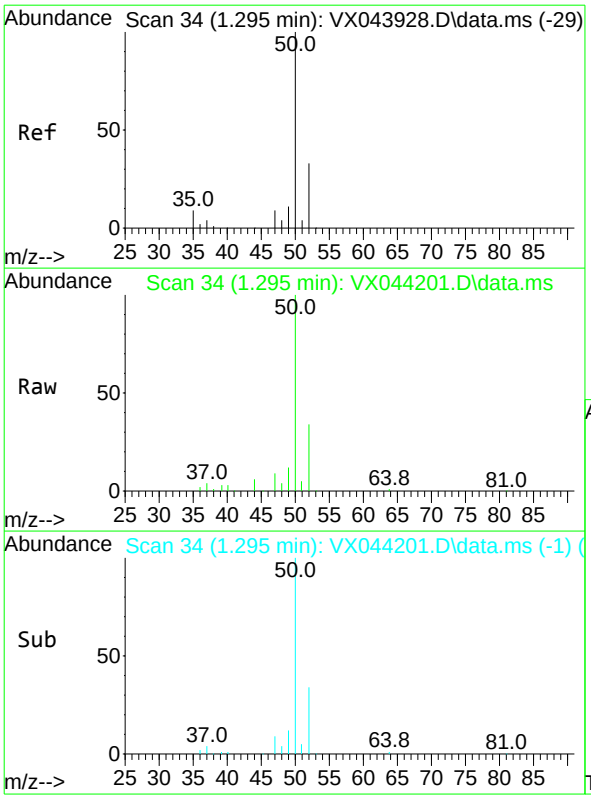


#2
Dichlorodifluoromethane
Concen: 15.140 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 85 Resp: 27516

Ion	Ratio	Lower	Upper
85	100		
87	32.6	16.6	49.8

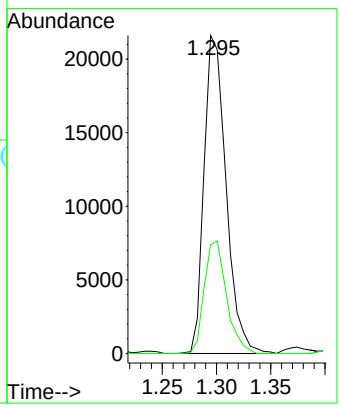




#3
Chloromethane
Concen: 15.939 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 50 Resp: 30484

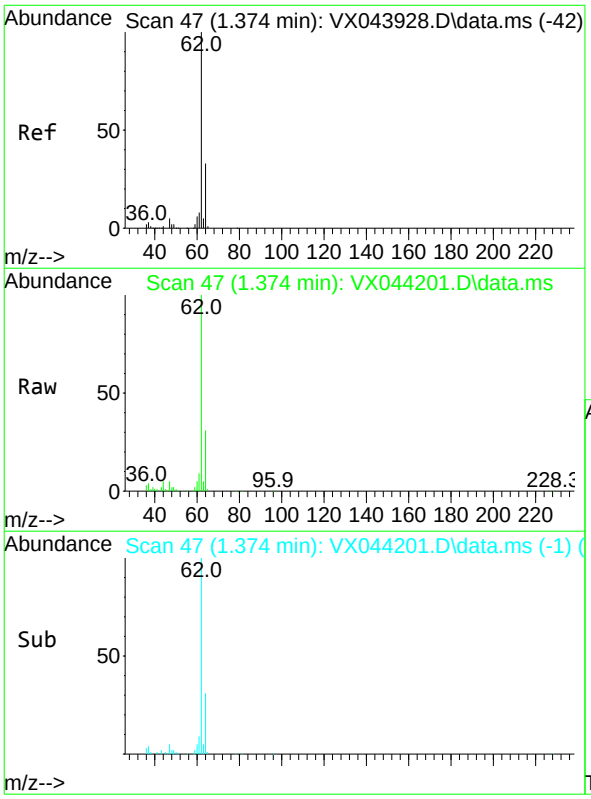
Ion	Ratio	Lower	Upper
50	100		
52	34.2	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

Manual Integrations
APPROVED

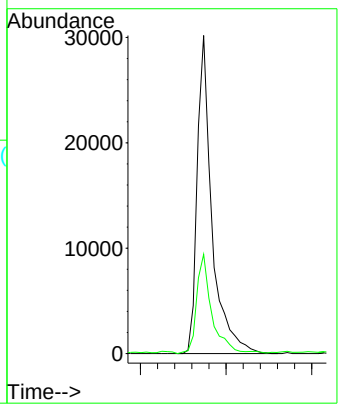
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

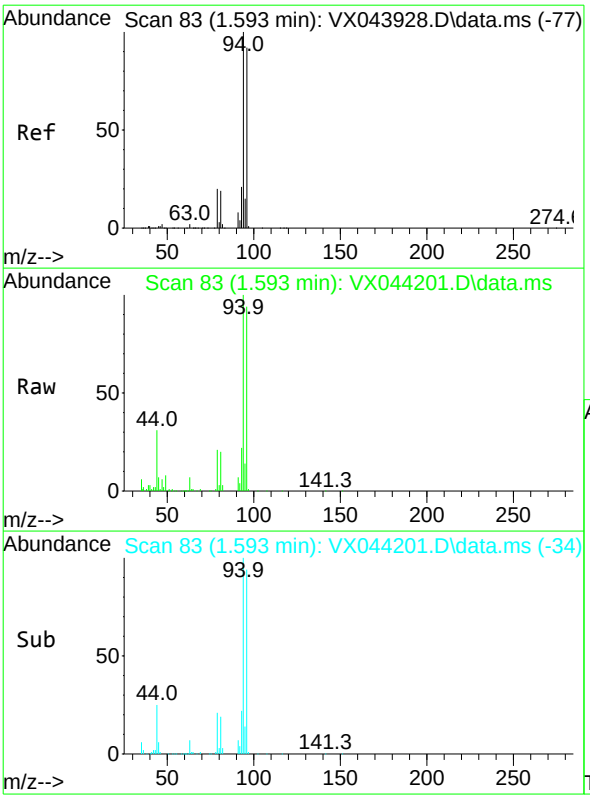


#4
Vinyl Chloride
Concen: 17.705 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 62 Resp: 36016

Ion	Ratio	Lower	Upper
62	100		
64	31.2	26.2	39.4

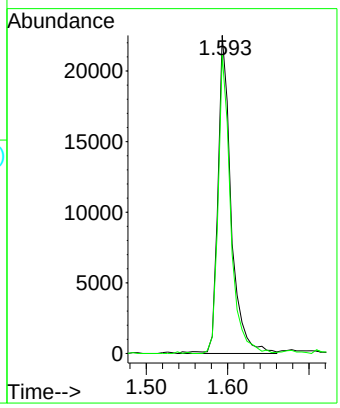




#5
Bromomethane
Concen: 20.263 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 94 Resp: 25357

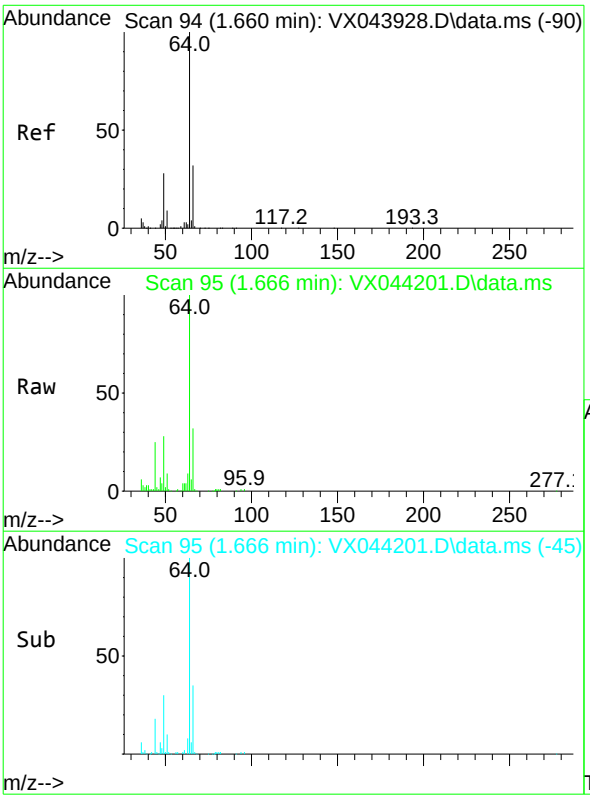
Ion	Ratio	Lower	Upper
94	100		
96	93.4	73.9	110.9



Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

Manual Integrations
APPROVED

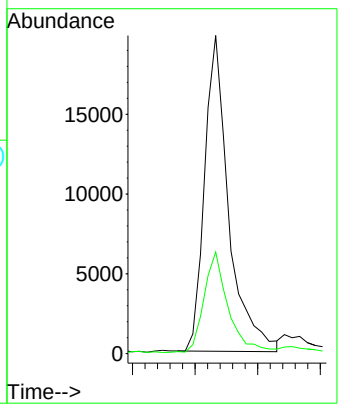
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

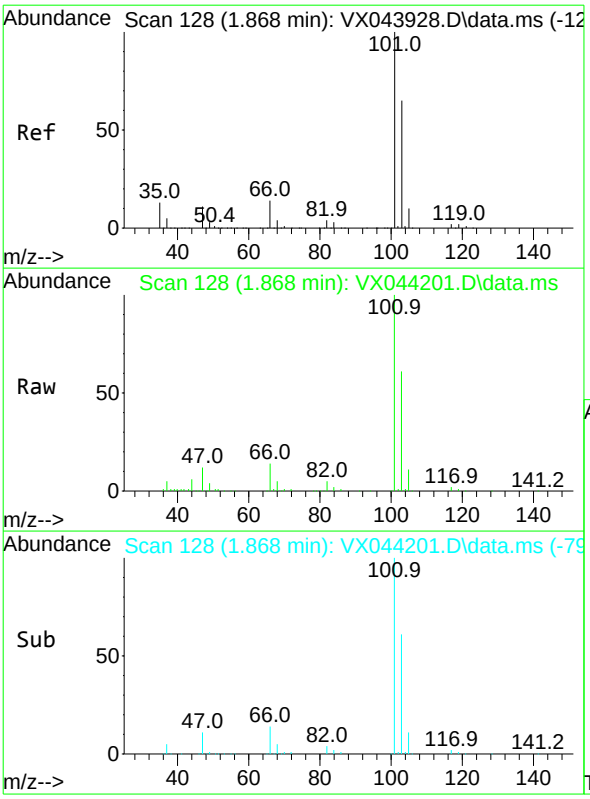


#6
Chloroethane
Concen: 21.362 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 64 Resp: 26478

Ion	Ratio	Lower	Upper
64	100		
66	31.6	25.9	38.9

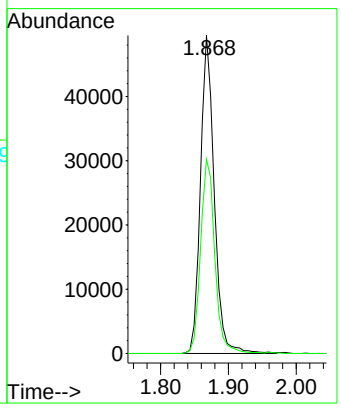




#7
Trichlorofluoromethane
Concen: 19.186 ug/l
RT: 1.868 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion:101 Resp: 69776

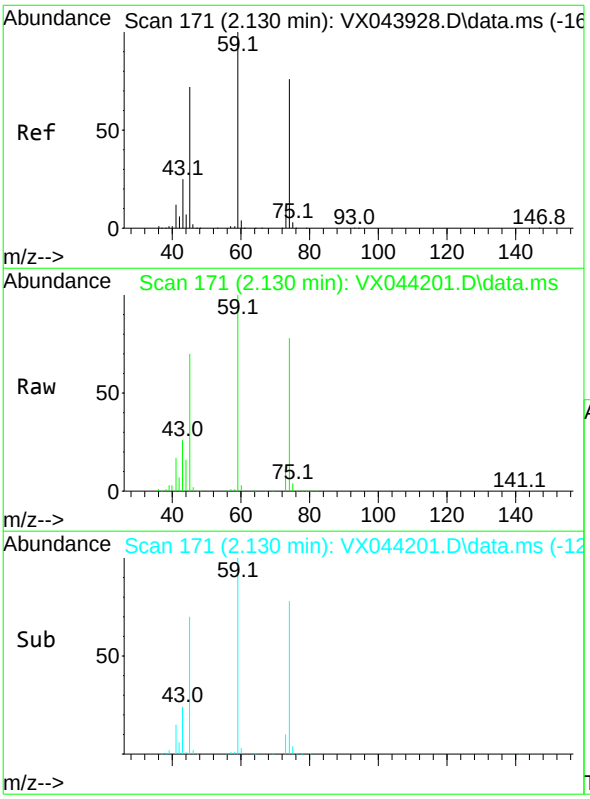
Ion	Ratio	Lower	Upper
101	100		
103	61.1	52.2	78.2



Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

Manual Integrations
APPROVED

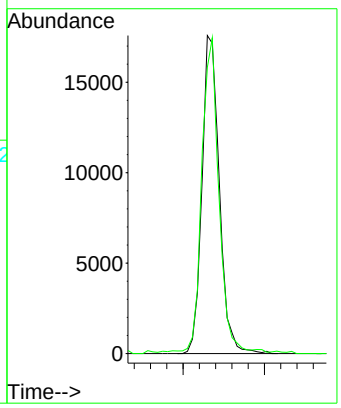
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

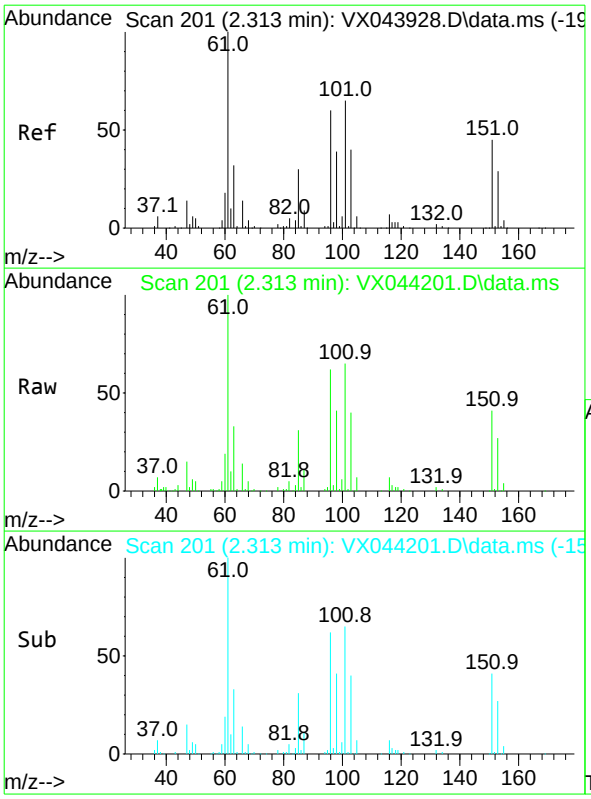


#8
Diethyl Ether
Concen: 19.620 ug/l
RT: 2.130 min Scan# 171
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 74 Resp: 26007

Ion	Ratio	Lower	Upper
74	100		
45	97.0	47.9	143.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.052 ug/l
RT: 2.313 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

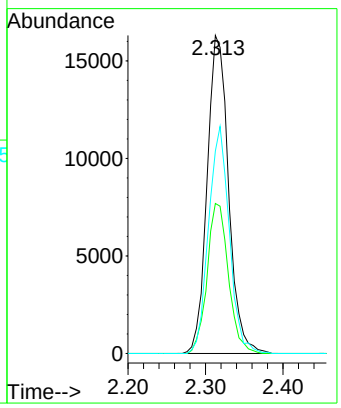
Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

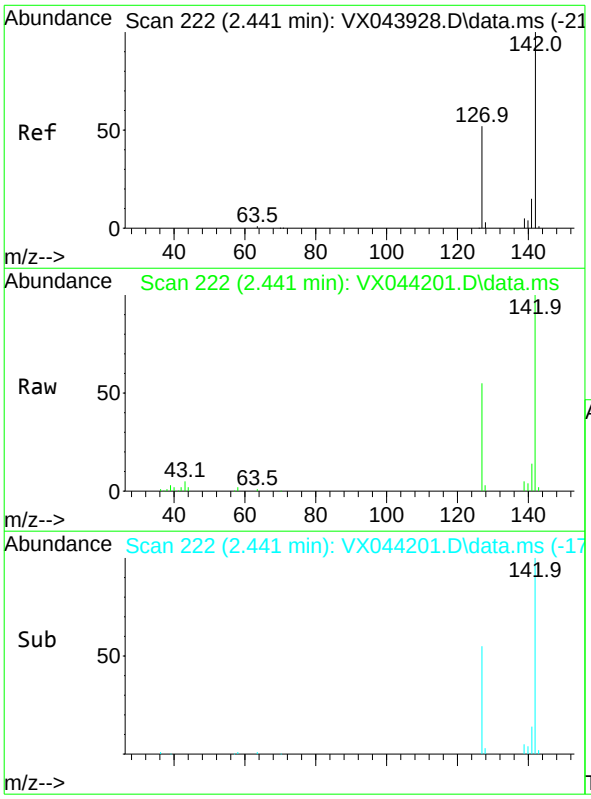
Tgt Ion:101 Resp: 31317

Ion	Ratio	Lower	Upper
101	100		
85	47.0	37.9	56.9
151	69.1	57.5	86.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

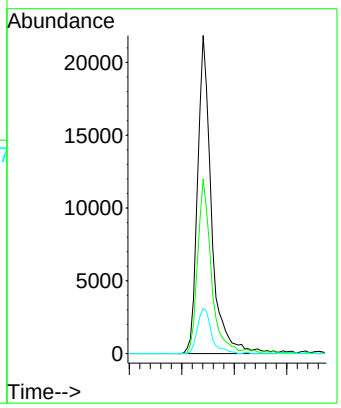


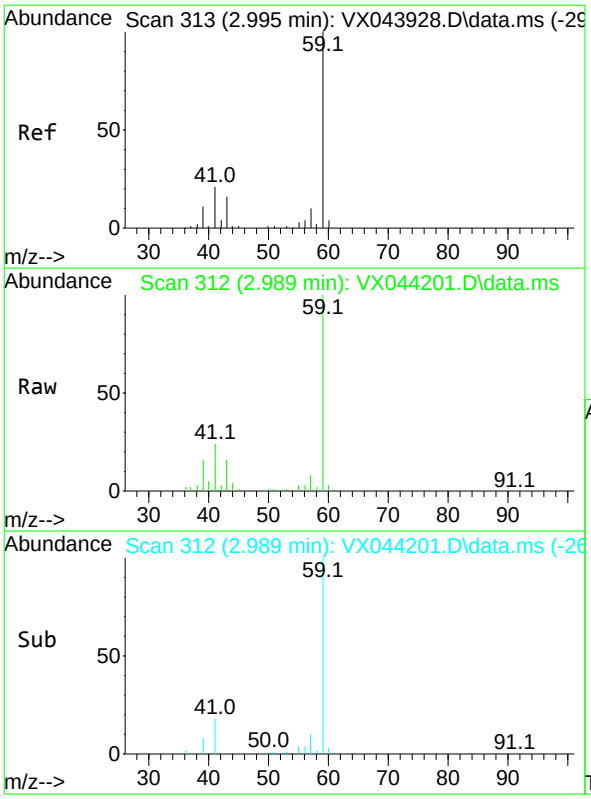


#10
Methyl Iodide
Concen: 18.522 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion:142 Resp: 40131

Ion	Ratio	Lower	Upper
142	100		
127	53.5	40.7	61.1
141	14.4	12.0	18.0





#11
Tert butyl alcohol
Concen: 82.375 ug/l
RT: 2.989 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

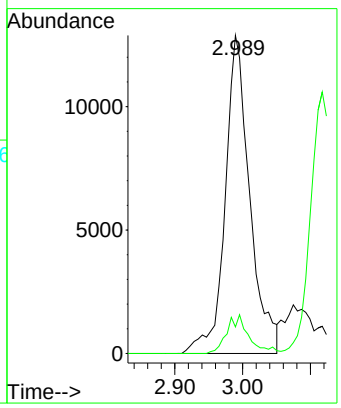
Tgt Ion: 59 Resp: 32534

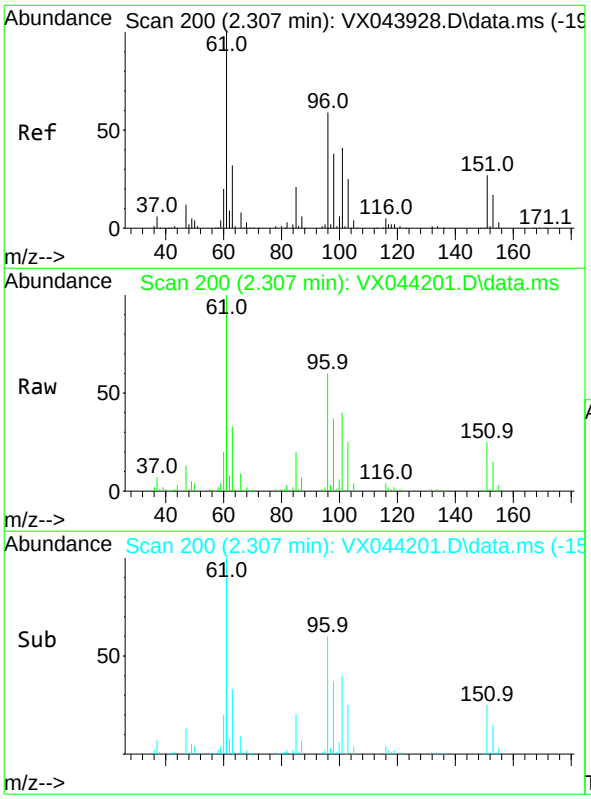
Ion	Ratio	Lower	Upper
59	100		
57	10.9	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

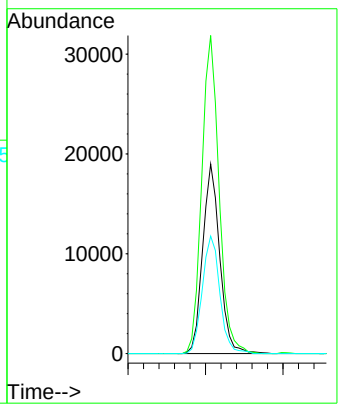


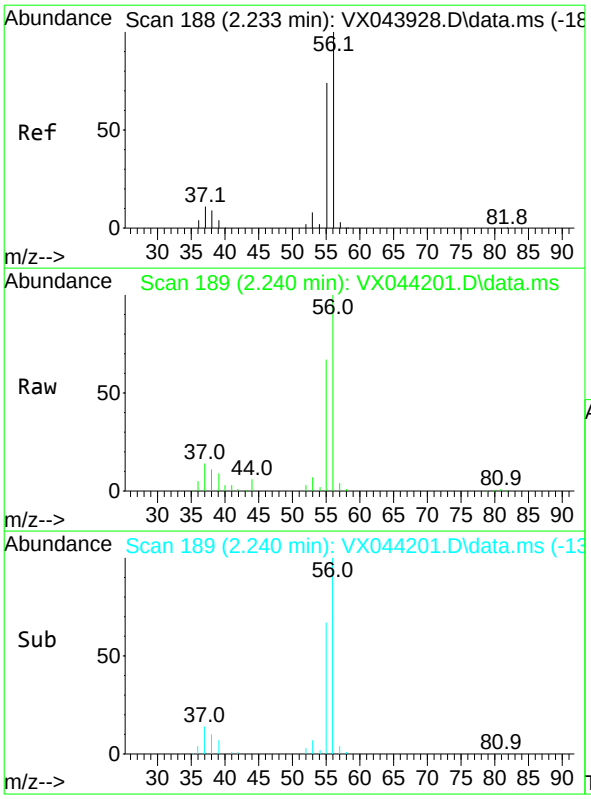


#12
1,1-Dichloroethene
Concen: 17.545 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 96 Resp: 29004

Ion	Ratio	Lower	Upper
96	100		
61	167.8	135.5	203.3
98	62.0	50.8	76.2

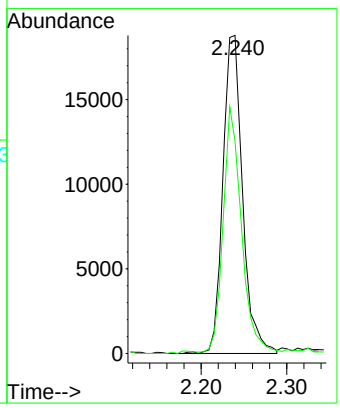




#13
Acrolein
Concen: 71.832 ug/l
RT: 2.240 min Scan# 18
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 56 Resp: 29903

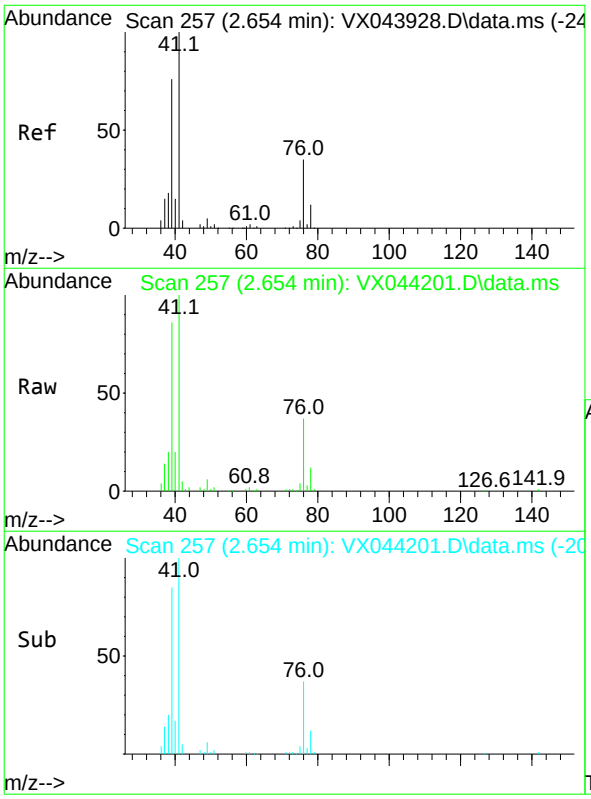
Ion	Ratio	Lower	Upper
56	100		
55	71.4	58.2	87.2



Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

Manual Integrations
APPROVED

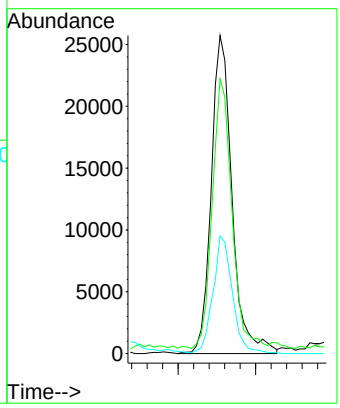
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

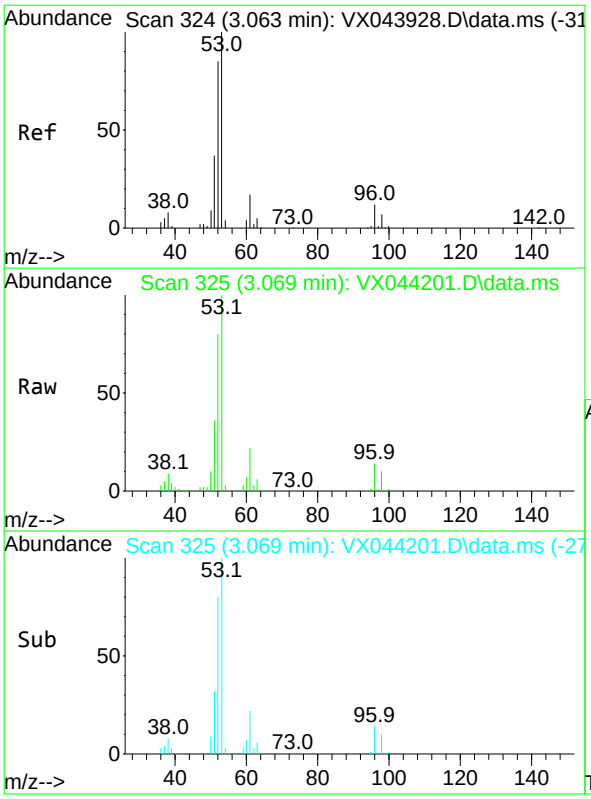


#14
Allyl chloride
Concen: 17.748 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 41 Resp: 47939

Ion	Ratio	Lower	Upper
41	100		
39	78.6	59.5	89.3
76	34.7	27.4	41.2

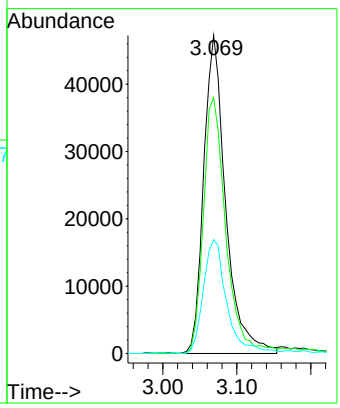




#15
Acrylonitrile
Concen: 101.298 ug/l
RT: 3.069 min Scan# 32
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 53 Resp: 97496

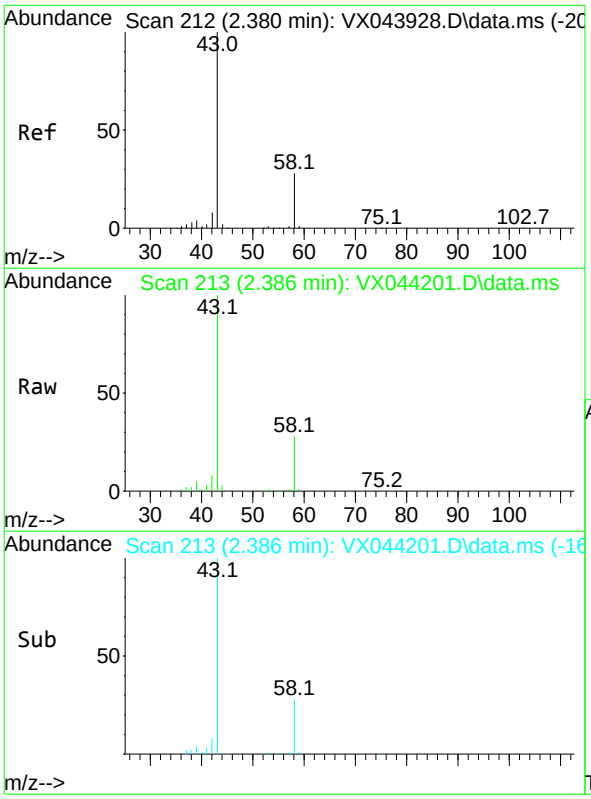
Ion	Ratio	Lower	Upper
53	100		
52	81.8	66.5	99.7
51	37.9	30.2	45.4



Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

Manual Integrations
APPROVED

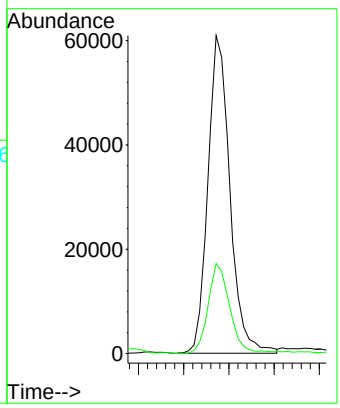
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

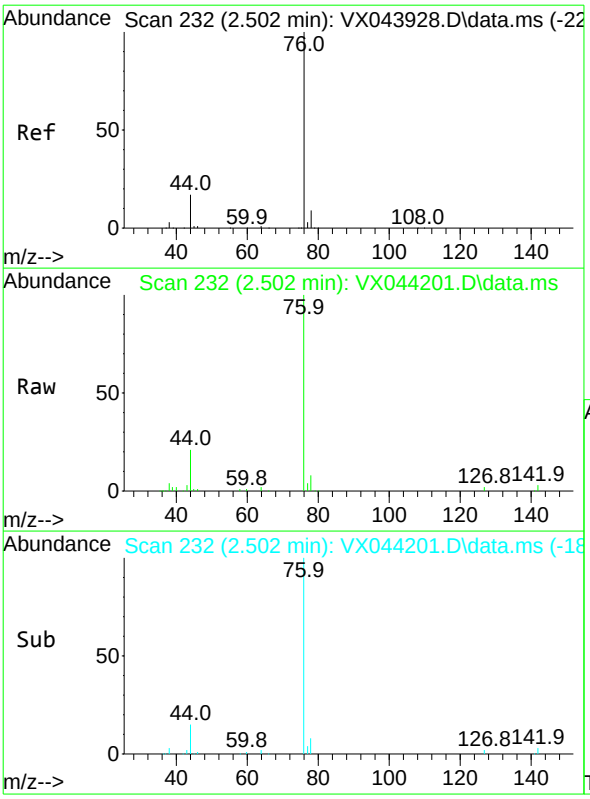


#16
Acetone
Concen: 91.126 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 43 Resp: 102985

Ion	Ratio	Lower	Upper
43	100		
58	28.3	22.7	34.1

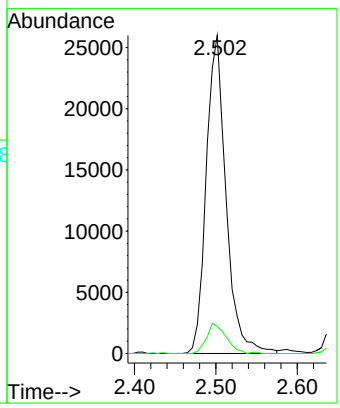




#17
Carbon Disulfide
Concen: 12.880 ug/l
RT: 2.502 min Scan# 23
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 76 Resp: 43919

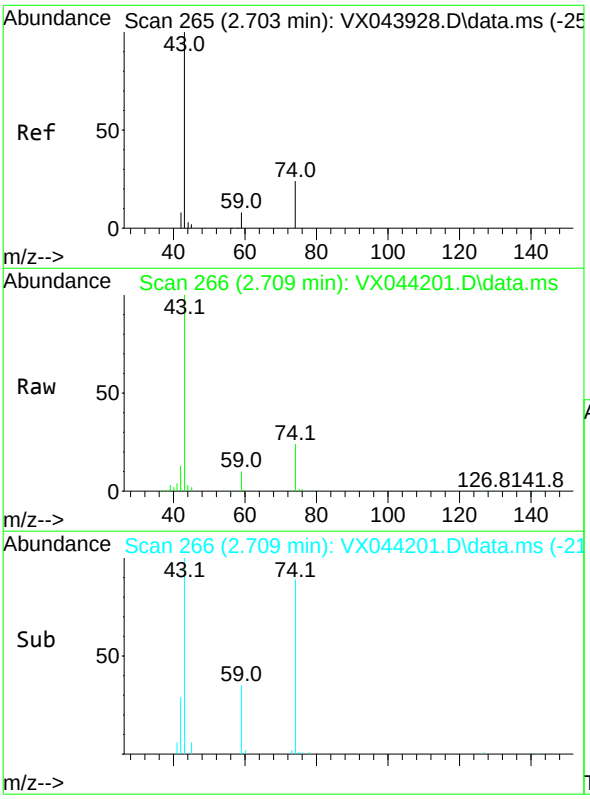
Ion	Ratio	Lower	Upper
76	100		
78	8.4	7.0	10.6



Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

Manual Integrations
APPROVED

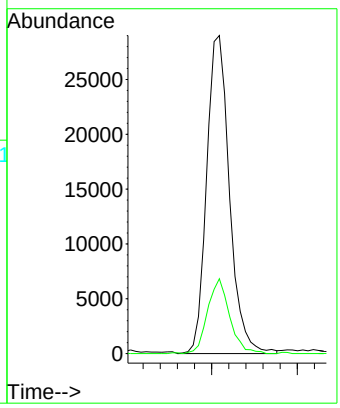
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

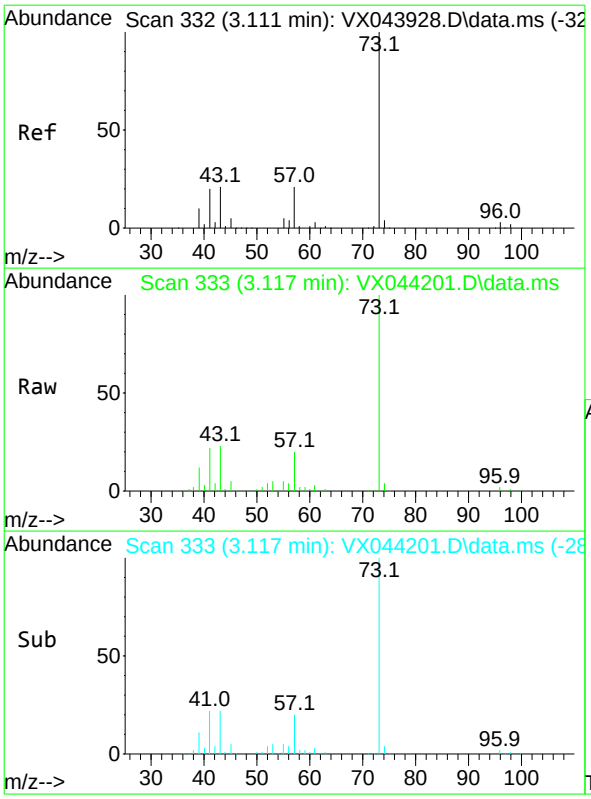


#18
Methyl Acetate
Concen: 20.416 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 43 Resp: 53732

Ion	Ratio	Lower	Upper
43	100		
74	22.7	18.9	28.3

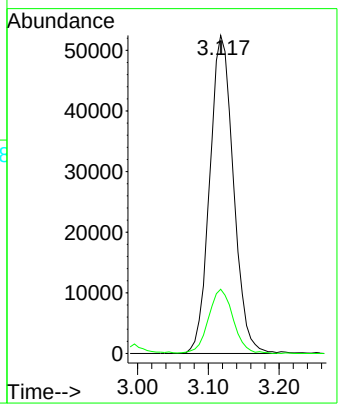




#19
Methyl tert-butyl Ether
Concen: 20.358 ug/l
RT: 3.117 min Scan# 33
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 73 Resp: 122196

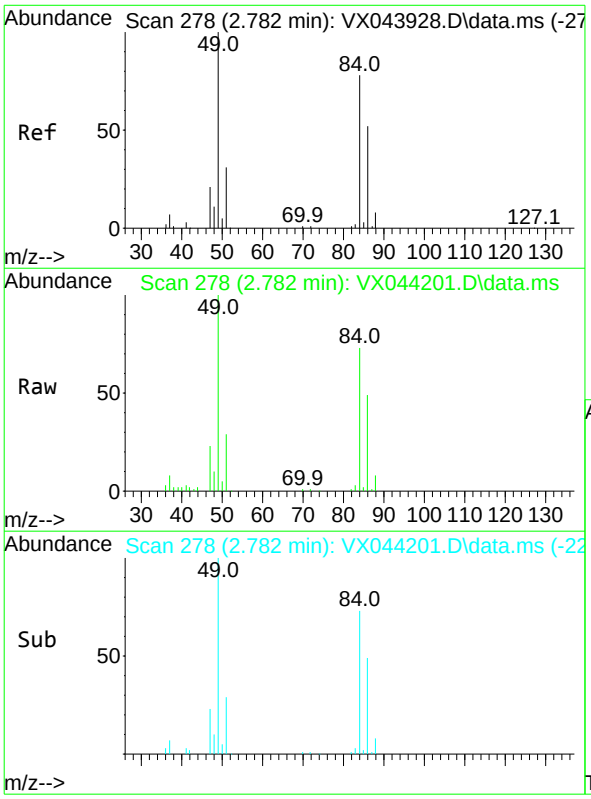
Ion	Ratio	Lower	Upper
73	100		
57	20.1	17.0	25.6



Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

Manual Integrations
APPROVED

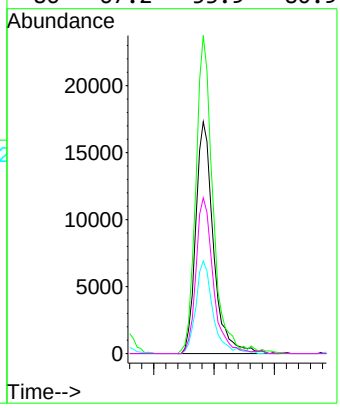
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

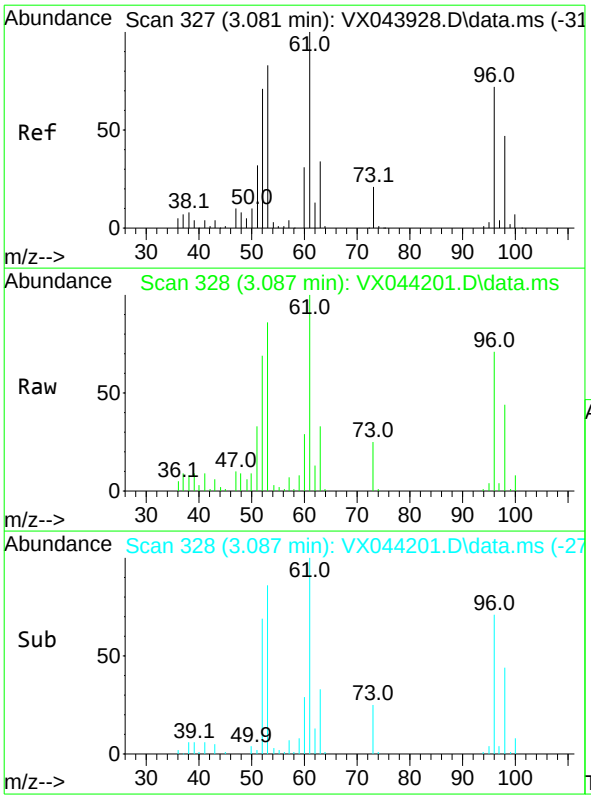


#20
Methylene Chloride
Concen: 18.357 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 84 Resp: 35205

Ion	Ratio	Lower	Upper
84	100		
49	137.2	102.7	154.1
51	40.0	31.7	47.5
86	67.2	53.9	80.9

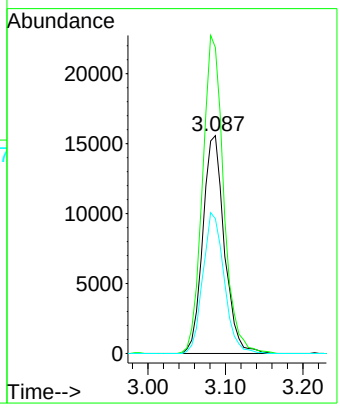




#21
trans-1,2-Dichloroethene
Concen: 17.600 ug/l
RT: 3.087 min Scan# 32
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 96 Resp: 30038

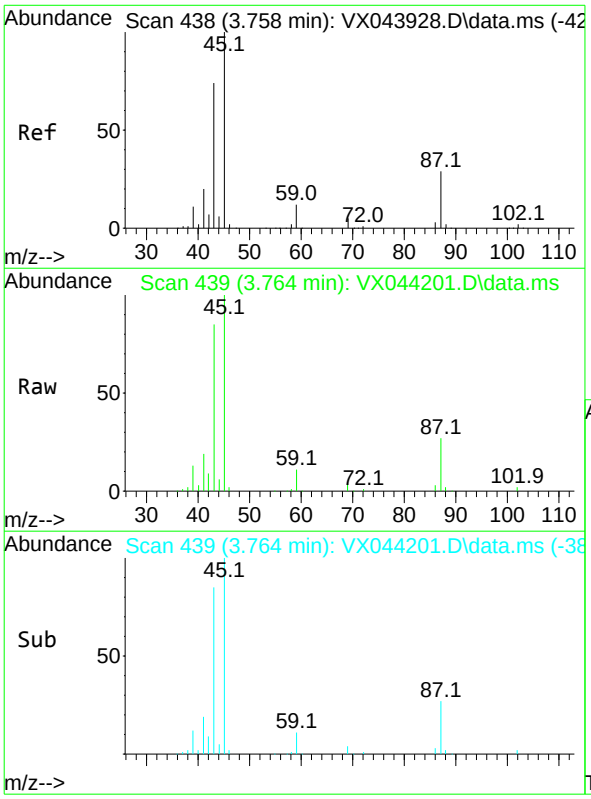
Ion	Ratio	Lower	Upper
96	100		
61	140.5	111.8	167.6
98	61.9	52.7	79.1



Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

Manual Integrations
APPROVED

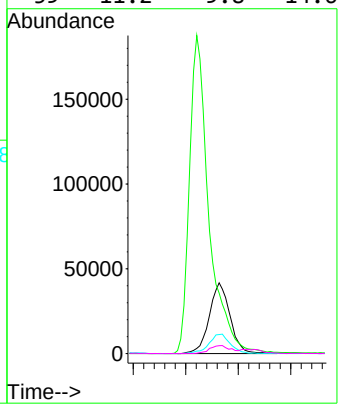
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

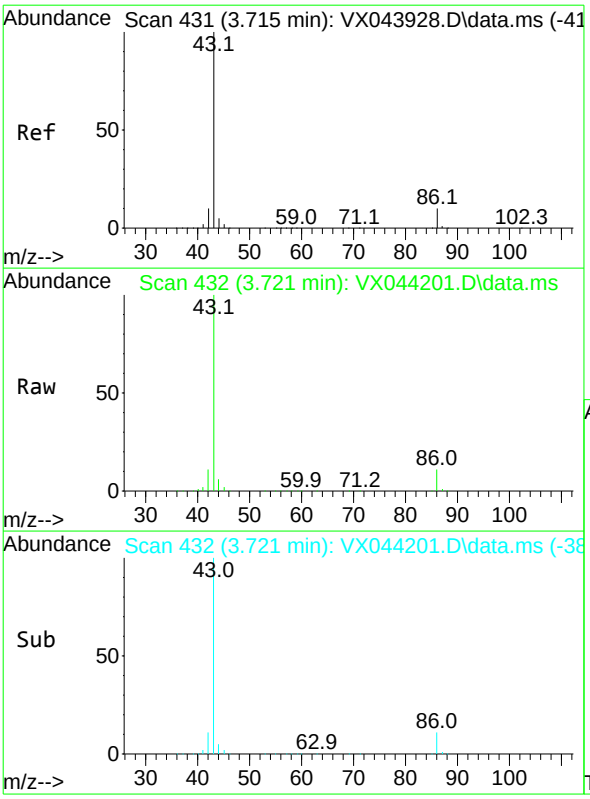


#22
Diisopropyl ether
Concen: 19.808 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 45 Resp: 114408

Ion	Ratio	Lower	Upper
45	100		
43	83.5	59.6	89.4
87	26.9	22.9	34.3
59	11.2	9.8	14.6





#23
Vinyl Acetate
Concen: 98.600 ug/l
RT: 3.721 min Scan# 43
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

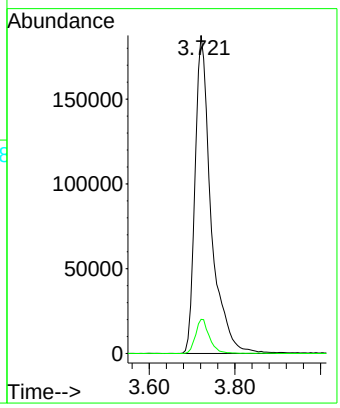
Tgt Ion: 43 Resp: 487174

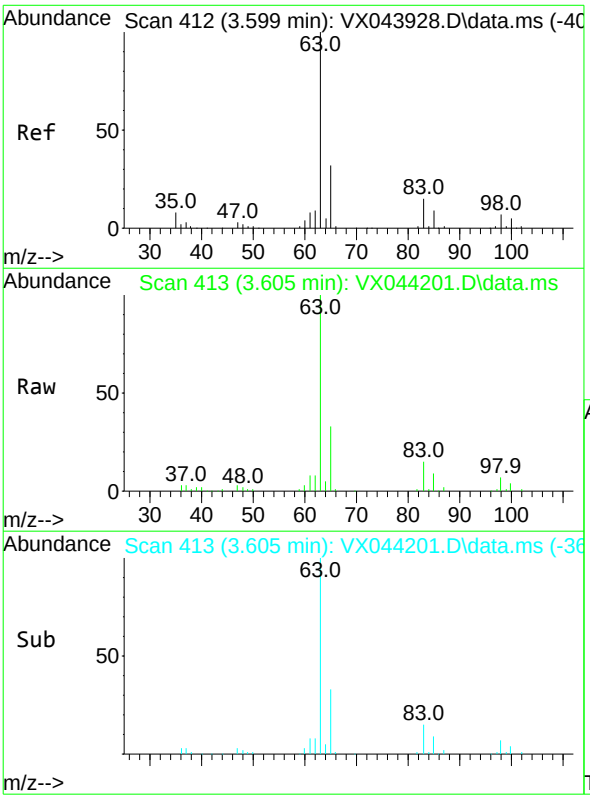
Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.3	12.5

Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

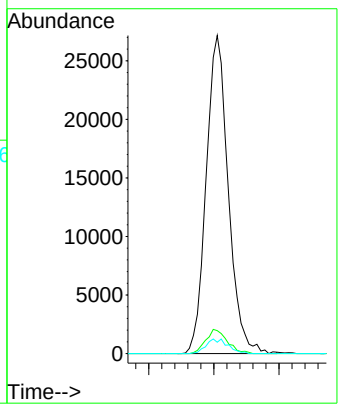


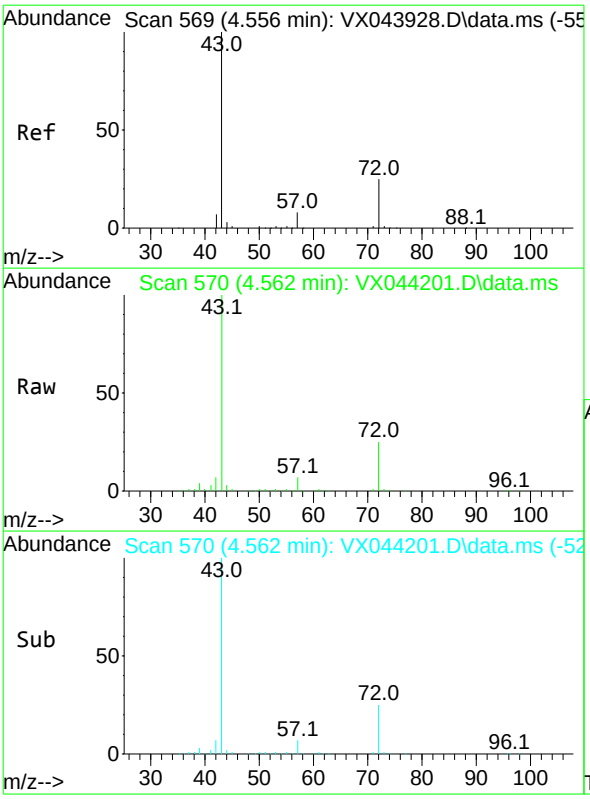


#24
1,1-Dichloroethane
Concen: 19.236 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 63 Resp: 64095

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.5	10.6
100	3.6	2.4	7.1

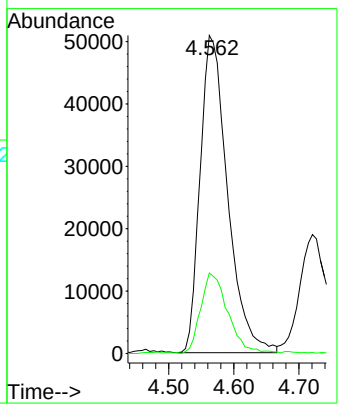




#25
2-Butanone
Concen: 102.207 ug/l
RT: 4.562 min Scan# 57
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 43 Resp: 149041

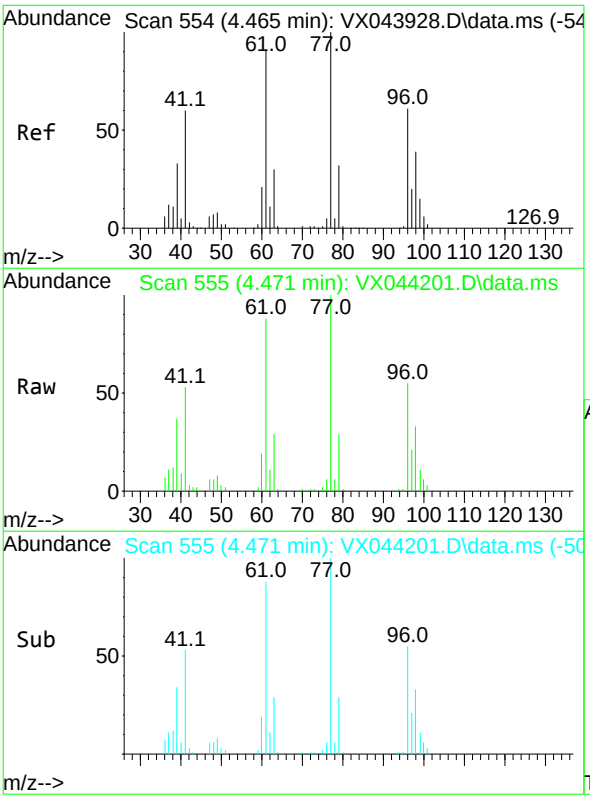
Ion	Ratio	Lower	Upper
43	100		
72	25.1	20.2	30.2



Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

Manual Integrations
APPROVED

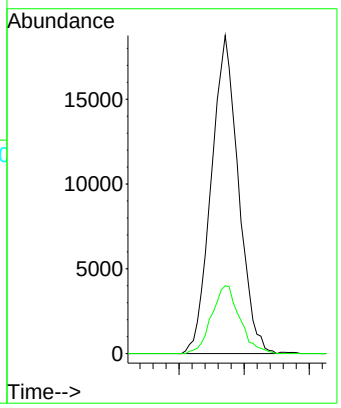
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

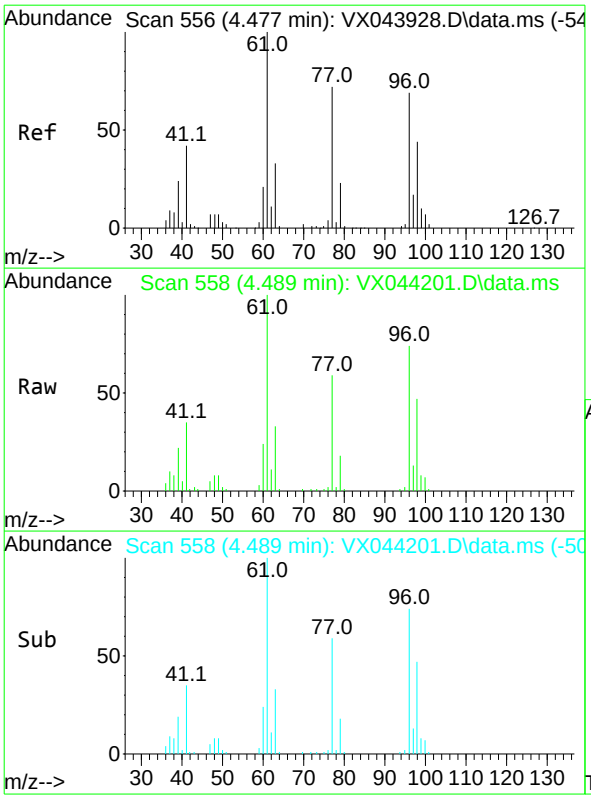


#26
2,2-Dichloropropane
Concen: 18.070 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 77 Resp: 54378

Ion	Ratio	Lower	Upper
77	100		
97	22.1	10.8	32.3

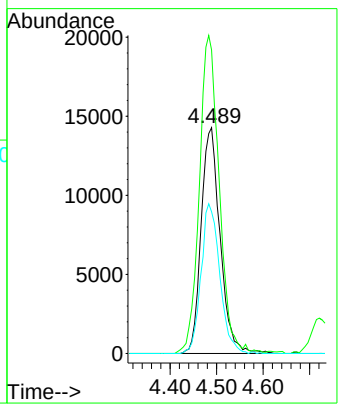




#27
cis-1,2-Dichloroethene
Concen: 19.176 ug/l
RT: 4.489 min Scan# 55
Delta R.T. 0.012 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 96 Resp: 40454

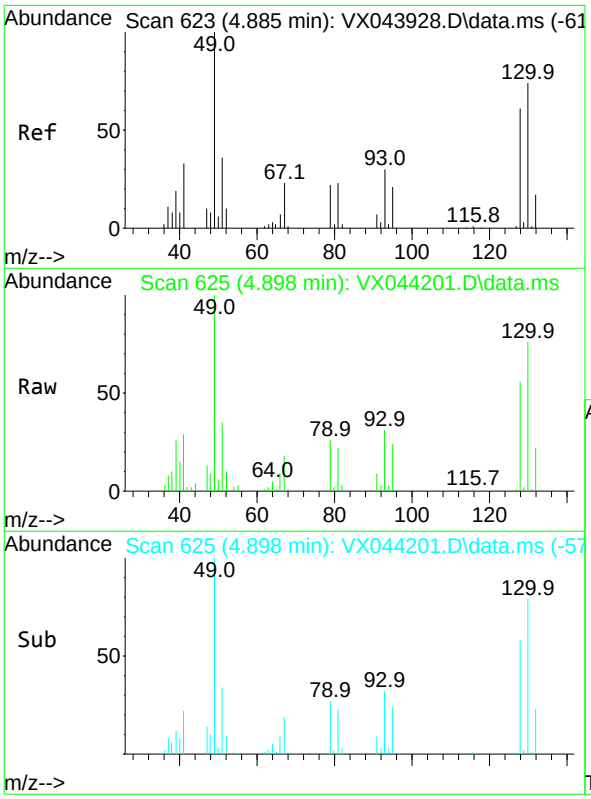
Ion	Ratio	Lower	Upper
96	100		
61	147.0	0.0	297.4
98	65.4	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

Manual Integrations
APPROVED

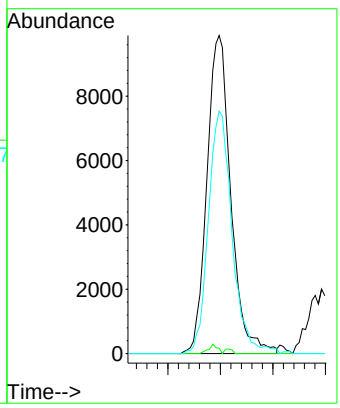
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

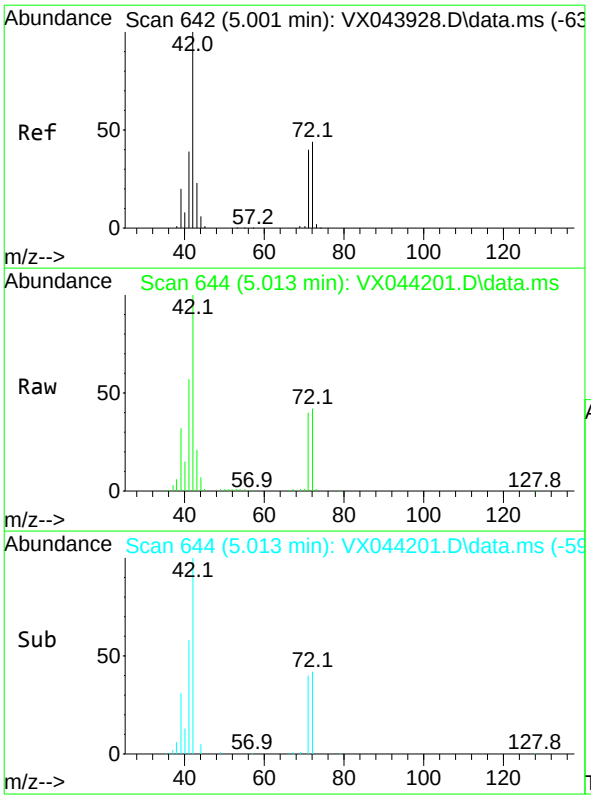


#28
Bromochloromethane
Concen: 21.326 ug/l
RT: 4.898 min Scan# 625
Delta R.T. 0.012 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 49 Resp: 31279

Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	4.0
130	75.6	59.0	88.6

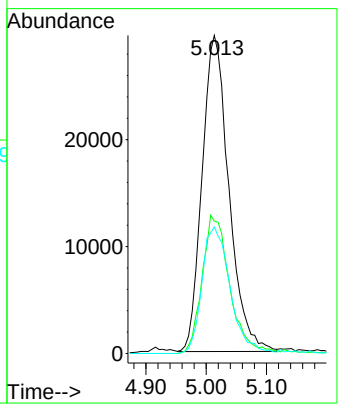




#29
Tetrahydrofuran
Concen: 102.121 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.012 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 42 Resp: 91295

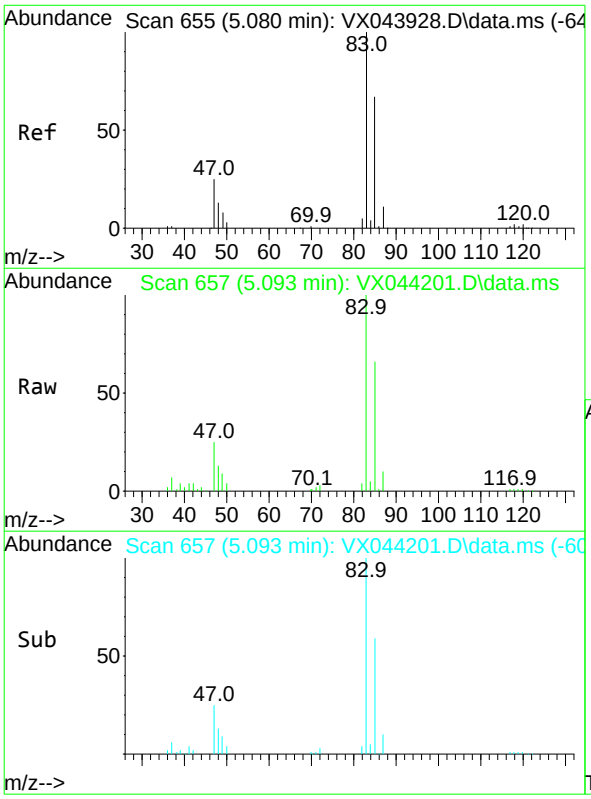
Ion	Ratio	Lower	Upper
42	100		
72	44.9	36.4	54.6
71	42.0	33.4	50.0



Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

Manual Integrations
APPROVED

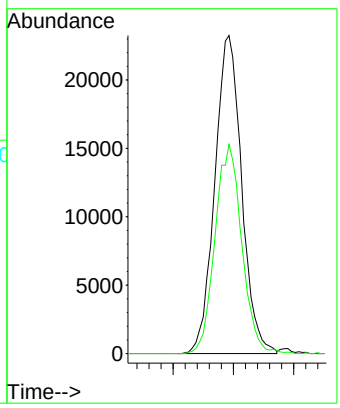
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

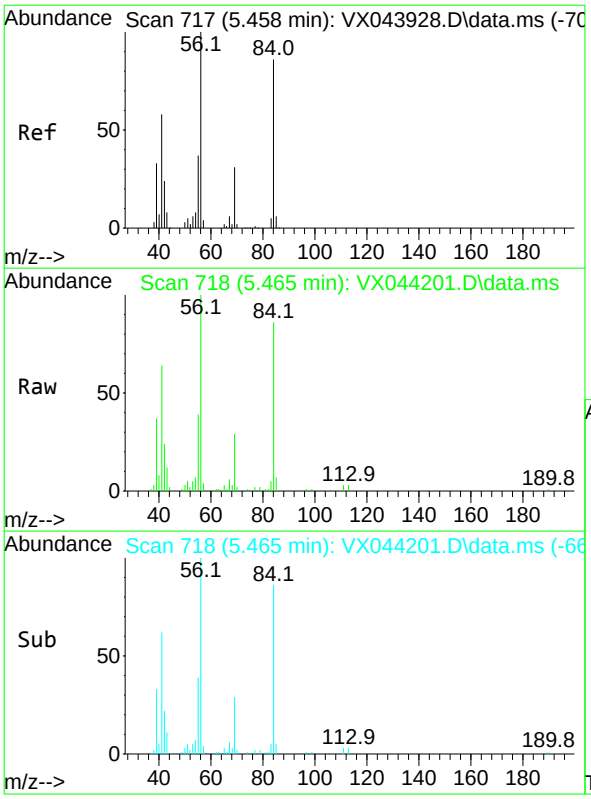


#30
Chloroform
Concen: 20.063 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.012 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 83 Resp: 71902

Ion	Ratio	Lower	Upper
83	100		
85	65.7	53.5	80.3





#31
Cyclohexane
Concen: 17.680 ug/l
RT: 5.465 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

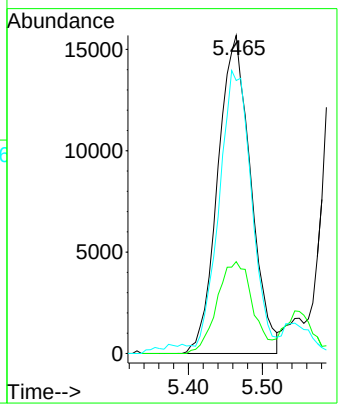
Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

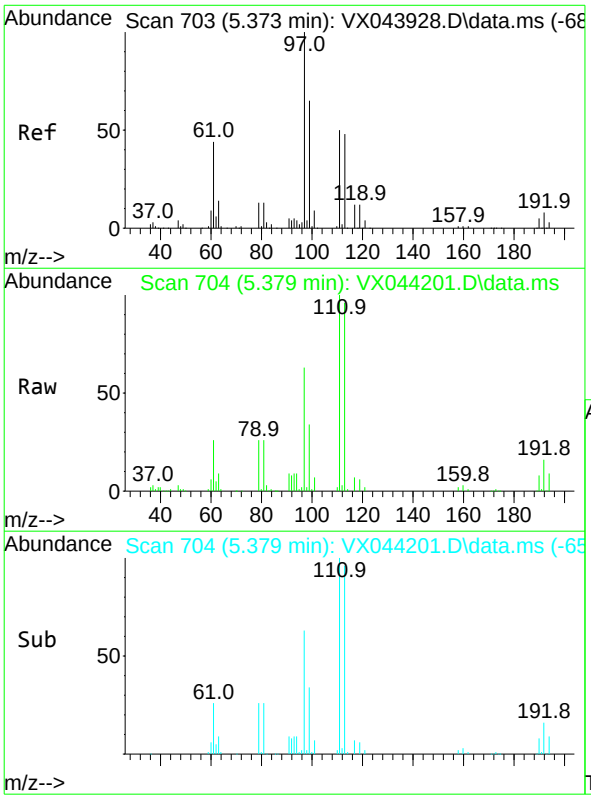
Tgt Ion: 56 Resp: 48485

Ion	Ratio	Lower	Upper
56	100		
69	28.9	24.7	37.1
84	83.6	68.7	103.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

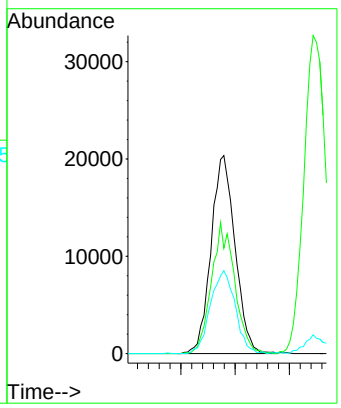


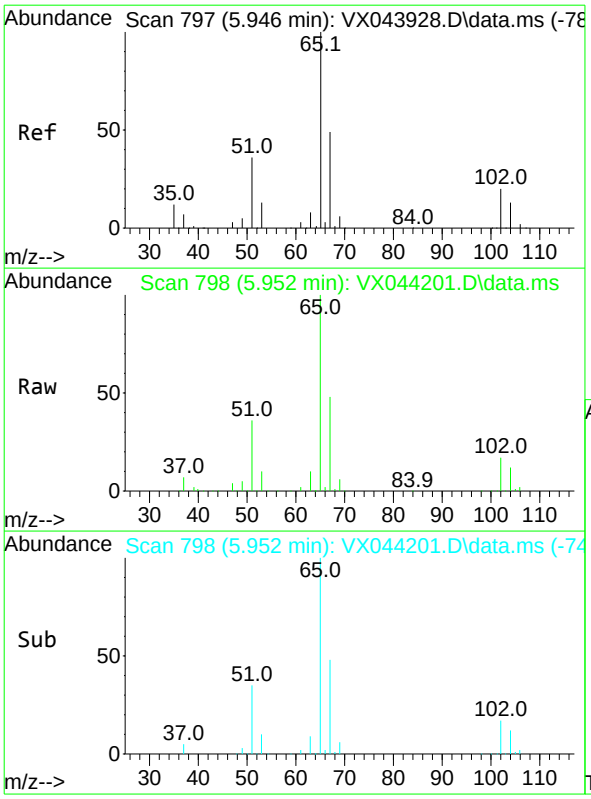


#32
1,1,1-Trichloroethane
Concen: 20.229 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 97 Resp: 62516

Ion	Ratio	Lower	Upper
97	100		
99	64.0	50.8	76.2
61	43.3	35.4	53.2

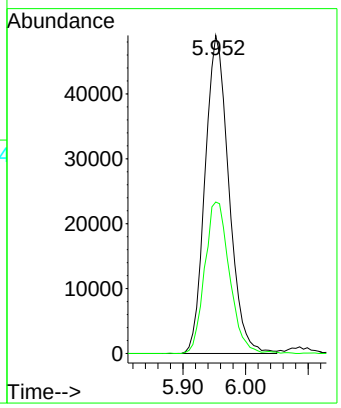




#33
1,2-Dichloroethane-d4
Concen: 52.573 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 65 Resp: 129362

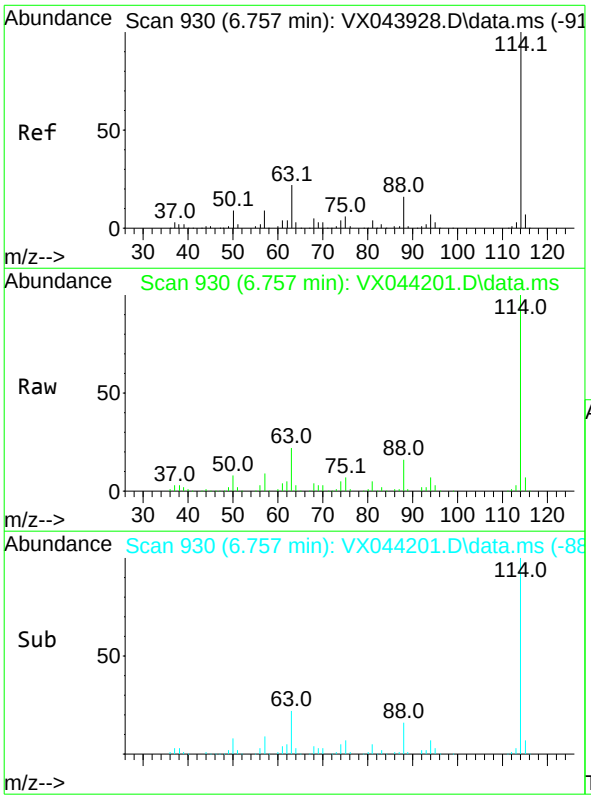
Ion	Ratio	Lower	Upper
65	100		
67	49.5	0.0	100.8



Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

Manual Integrations
APPROVED

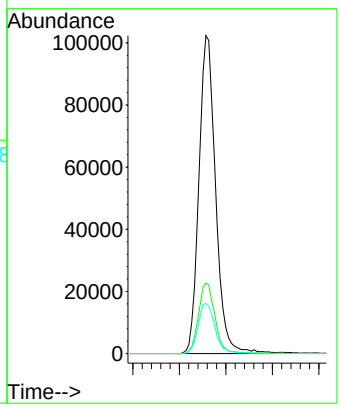
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

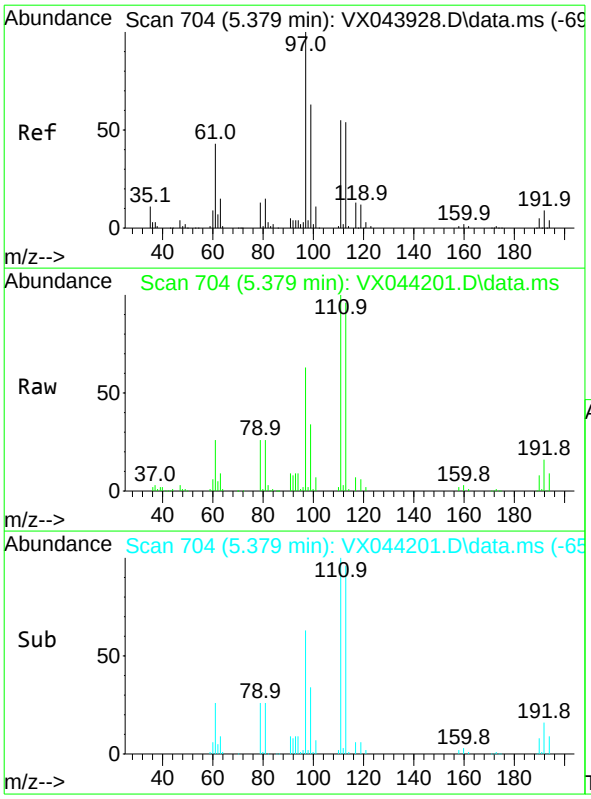


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion:114 Resp: 255477

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	44.0
88	15.8	0.0	32.4

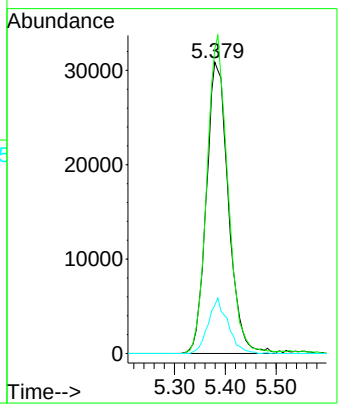




#35
Dibromofluoromethane
Concen: 50.900 ug/l
RT: 5.379 min Scan# 70
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion:113 Resp: 92918

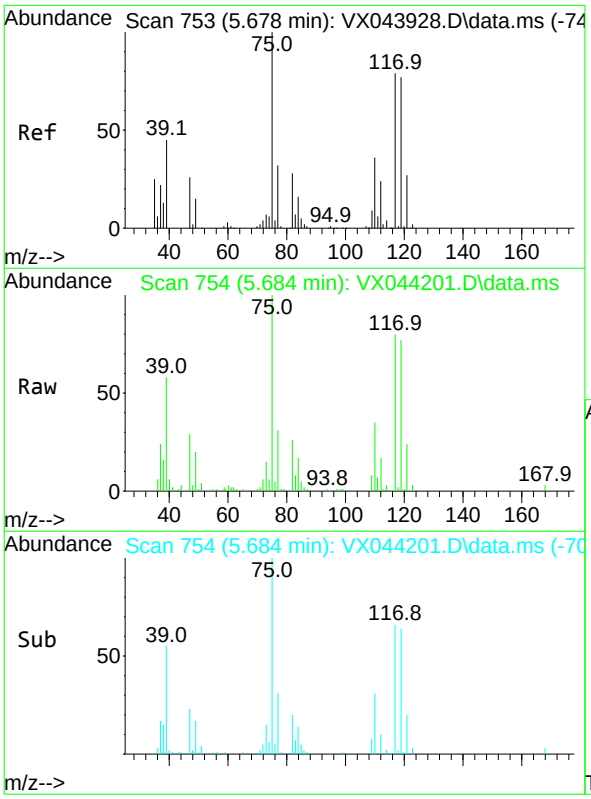
Ion	Ratio	Lower	Upper
113	100		
111	104.4	81.0	121.4
192	17.1	13.0	19.6



Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

Manual Integrations
APPROVED

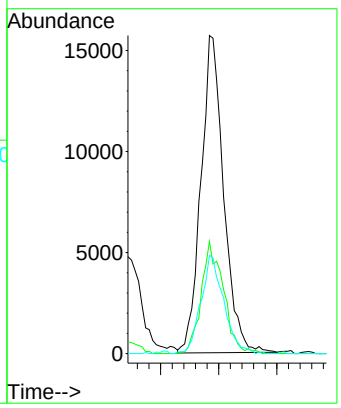
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

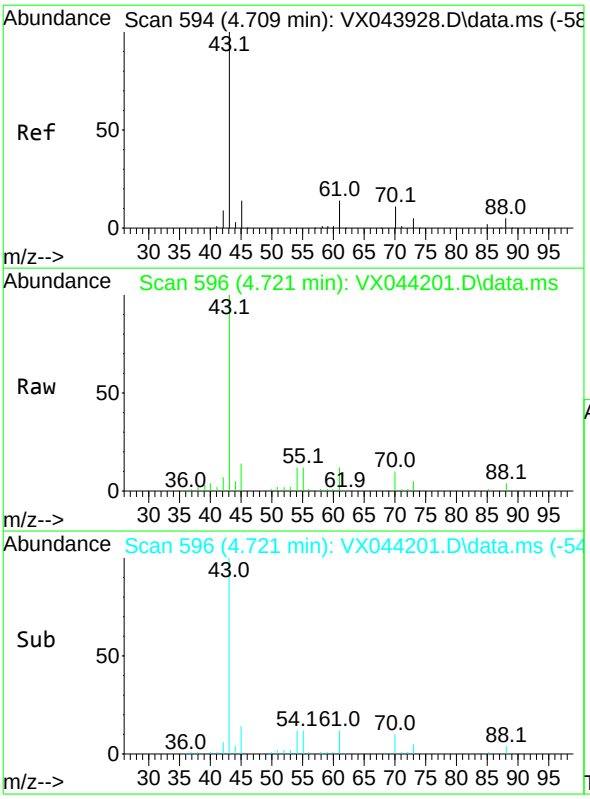


#36
1,1-Dichloropropene
Concen: 18.774 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 75 Resp: 42707

Ion	Ratio	Lower	Upper
75	100		
110	34.4	17.4	52.2
77	31.0	25.8	38.8

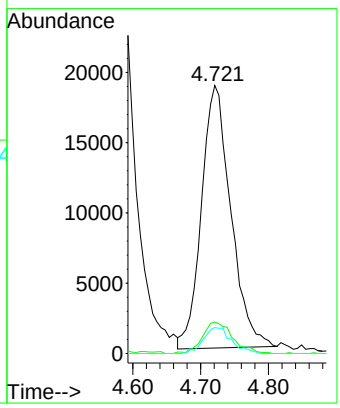




#37
Ethyl Acetate
Concen: 19.911 ug/l
RT: 4.721 min Scan# 59
Delta R.T. 0.012 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 43 Resp: 56223

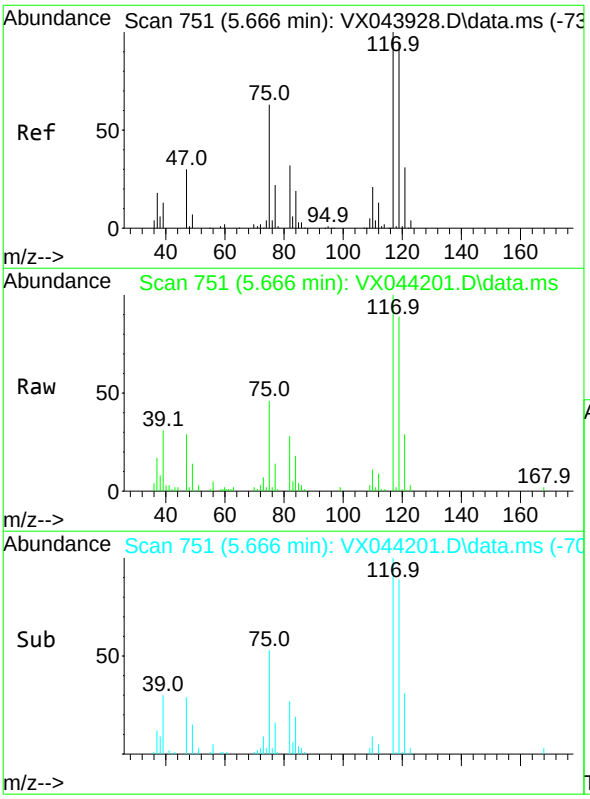
Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.7	16.1
70	9.4	8.0	12.0



Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

Manual Integrations
APPROVED

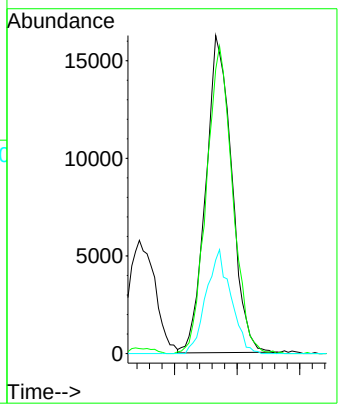
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

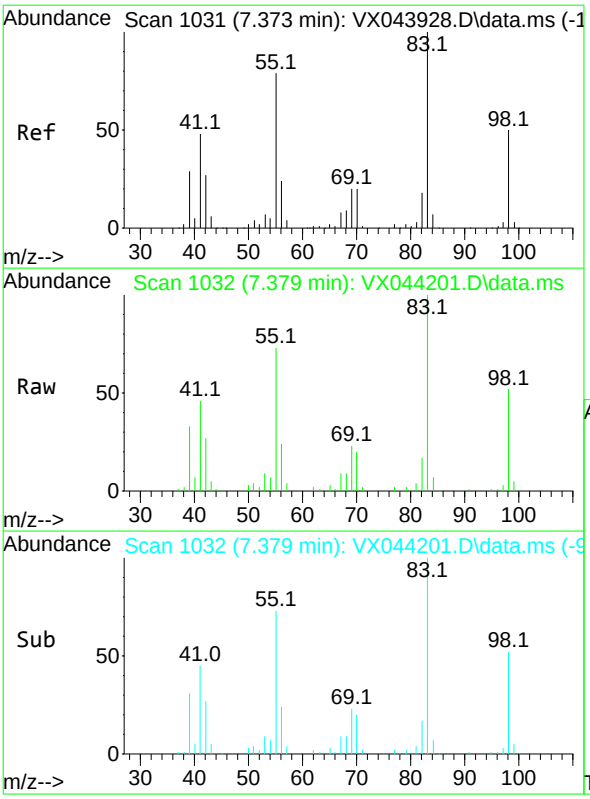


#38
Carbon Tetrachloride
Concen: 18.283 ug/l
RT: 5.666 min Scan# 751
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion:117 Resp: 46733

Ion	Ratio	Lower	Upper
117	100		
119	89.7	75.2	112.8
121	29.5	24.5	36.7

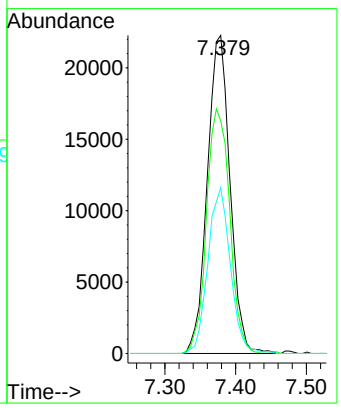




#39
Methylcyclohexane
Concen: 16.811 ug/l
RT: 7.379 min Scan# 10
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 83 Resp: 49682

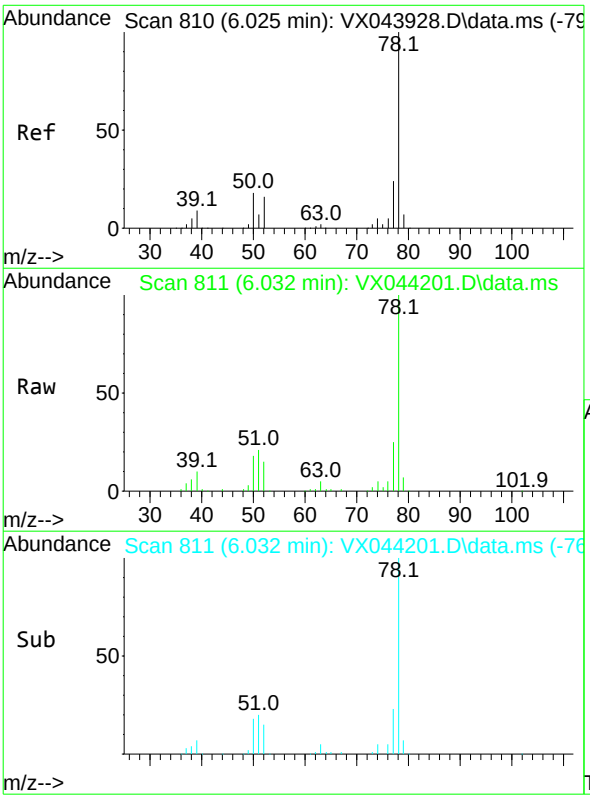
Ion	Ratio	Lower	Upper
83	100		
55	73.2	63.1	94.7
98	52.1	40.0	60.0



Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

Manual Integrations
APPROVED

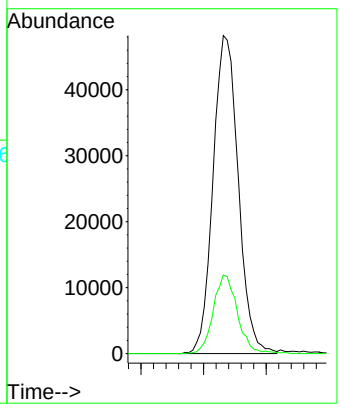
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

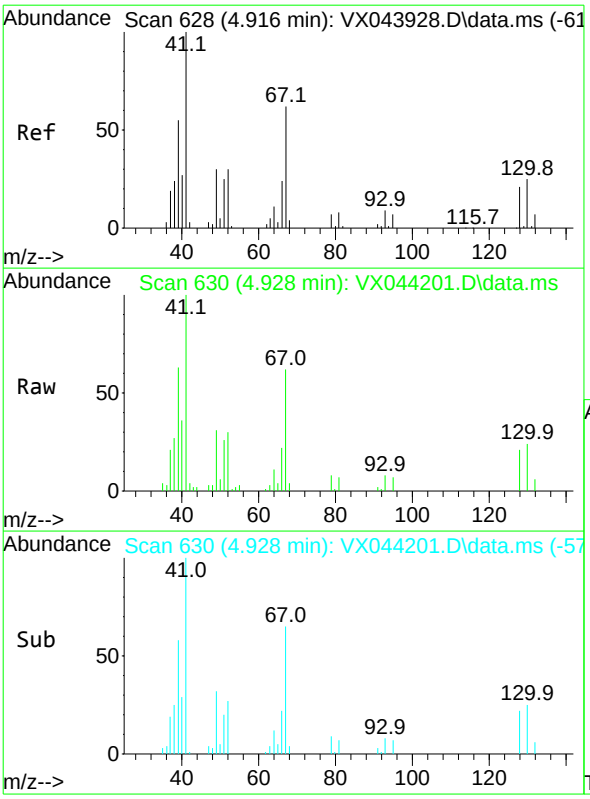


#40
Benzene
Concen: 19.024 ug/l
RT: 6.032 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 78 Resp: 134799

Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.2	28.8

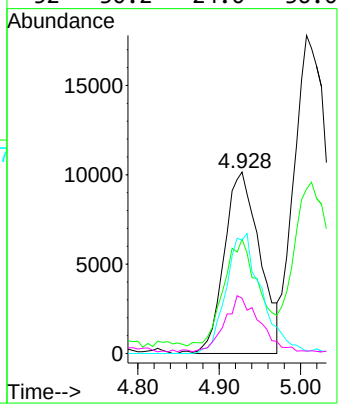




#41
Methacrylonitrile
Concen: 21.331 ug/l
RT: 4.928 min Scan# 63
Delta R.T. 0.012 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 41 Resp: 30829

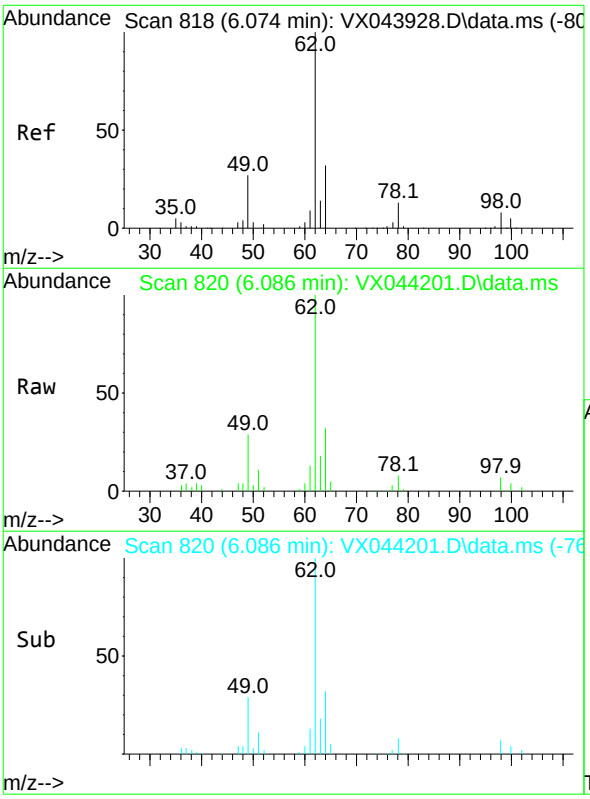
Ion	Ratio	Lower	Upper
41	100		
39	58.6	41.7	62.5
67	66.2	55.8	83.8
52	30.2	24.0	36.0



Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

Manual Integrations
APPROVED

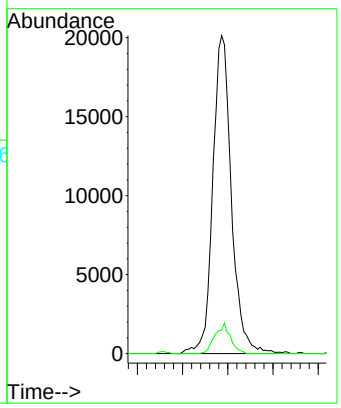
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

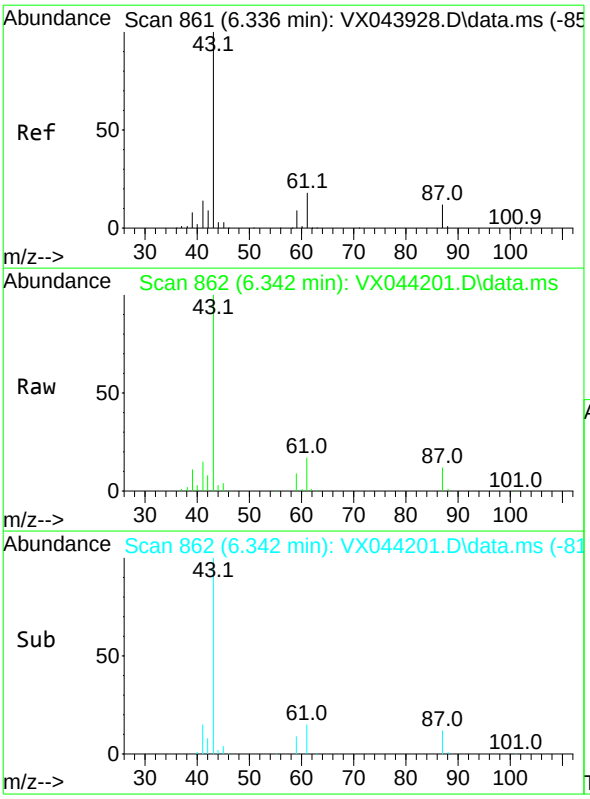


#42
1,2-Dichloroethane
Concen: 20.207 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.012 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 62 Resp: 57506

Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	16.4

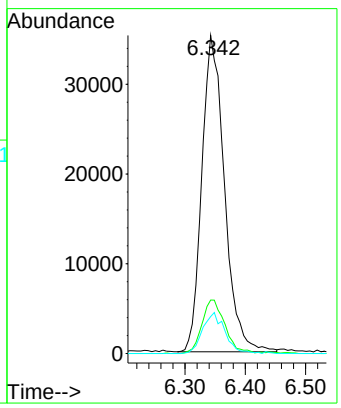




#43
Isopropyl Acetate
Concen: 20.496 ug/l
RT: 6.342 min Scan# 86
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 43 Resp: 92107

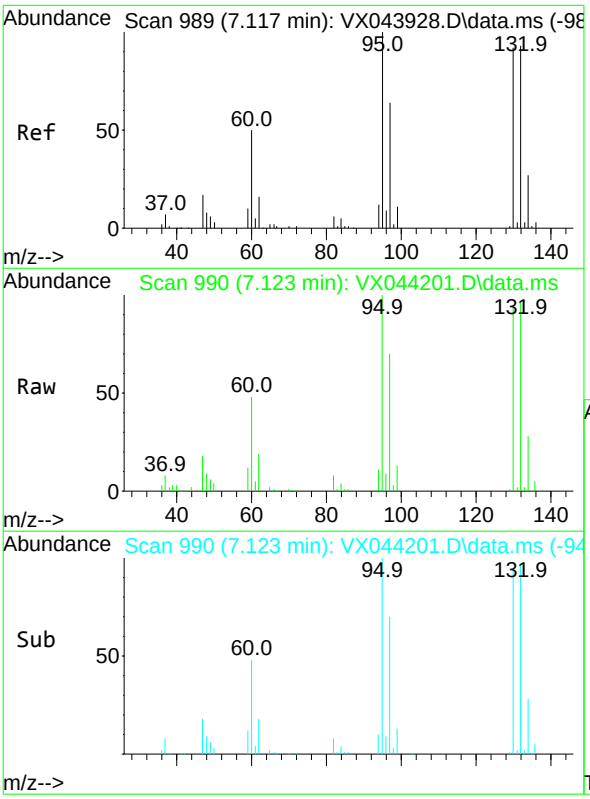
Ion	Ratio	Lower	Upper
43	100		
61	17.1	14.5	21.7
87	12.7	10.2	15.2



Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

Manual Integrations
APPROVED

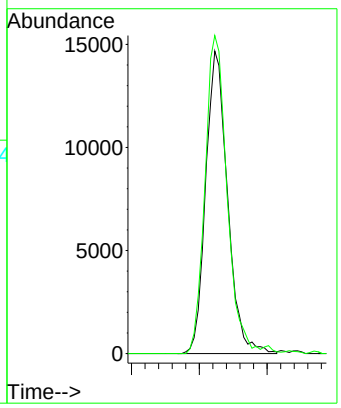
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

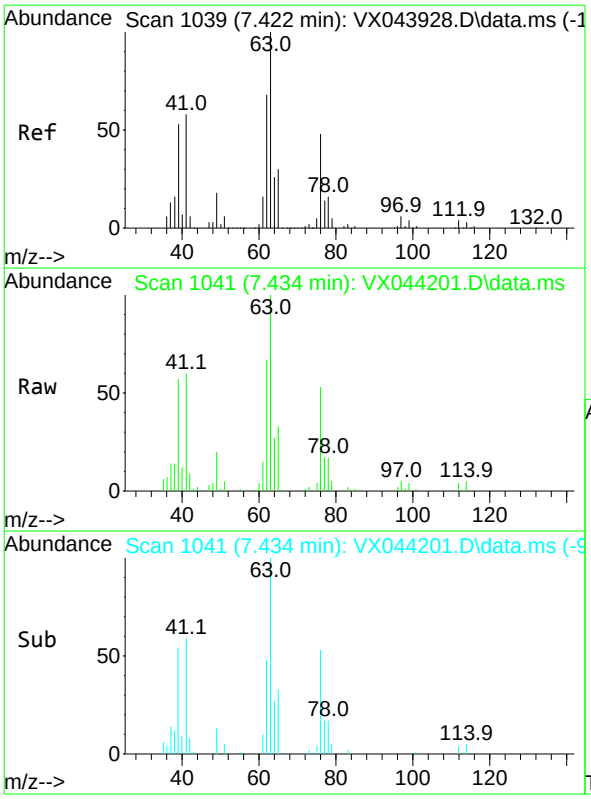


#44
Trichloroethene
Concen: 16.377 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion:130 Resp: 32850

Ion	Ratio	Lower	Upper
130	100		
95	105.1	0.0	217.8

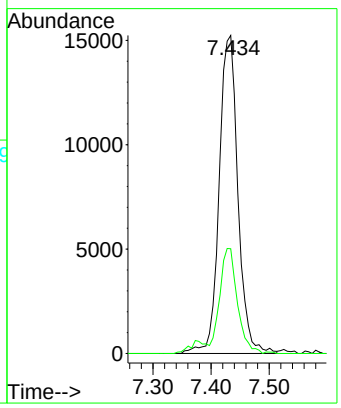




#45
1,2-Dichloropropane
Concen: 19.687 ug/l
RT: 7.434 min Scan# 10
Delta R.T. 0.012 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 63 Resp: 34167

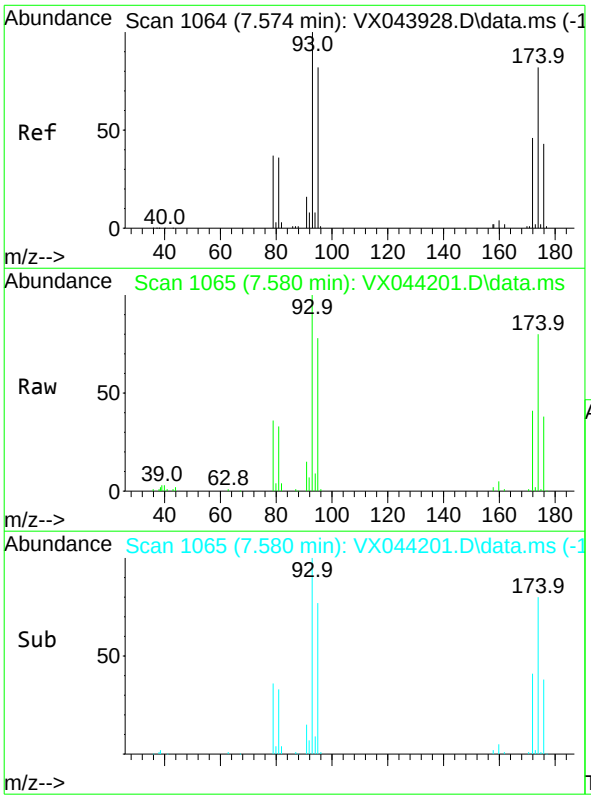
Ion	Ratio	Lower	Upper
63	100		
65	32.9	23.8	35.6



Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

Manual Integrations
APPROVED

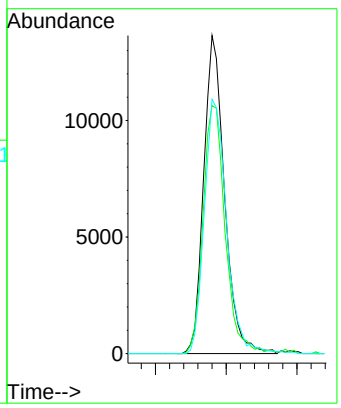
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

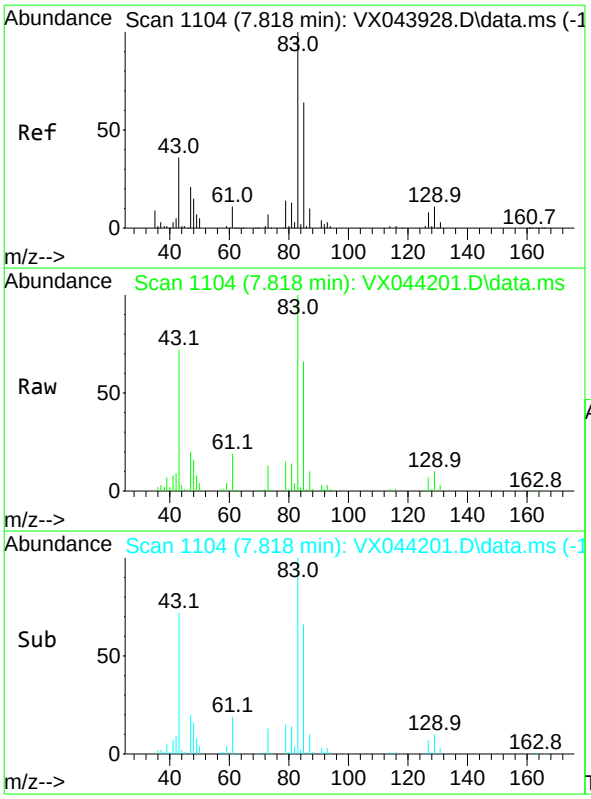


#46
Dibromomethane
Concen: 20.310 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 93 Resp: 27883

Ion	Ratio	Lower	Upper
93	100		
95	82.8	66.2	99.4
174	85.7	69.6	104.4

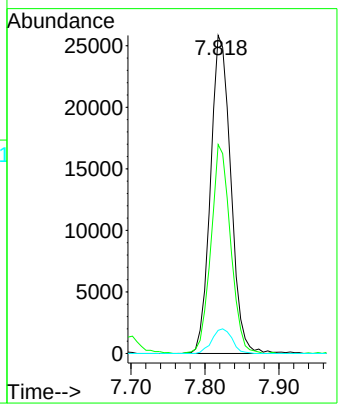




#47
Bromodichloromethane
Concen: 19.988 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 83 Resp: 49215

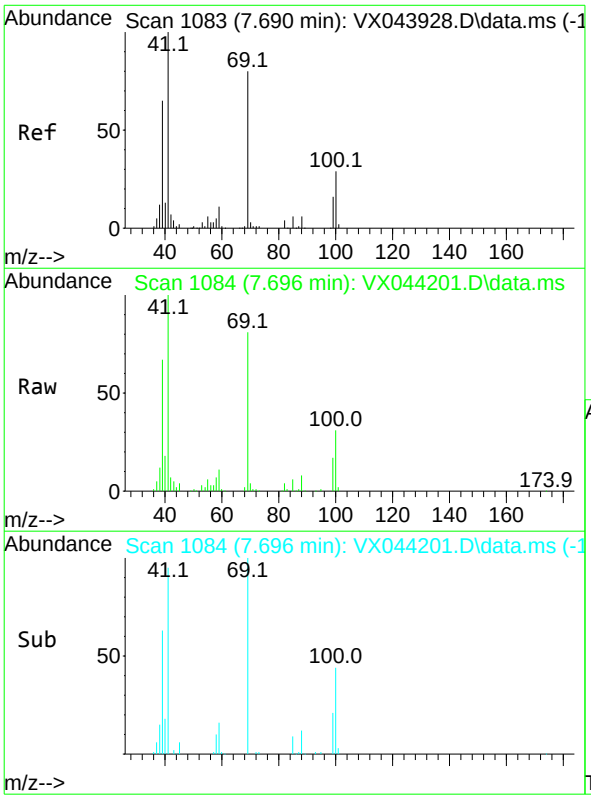
Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.4	77.0
127	7.3	6.6	10.0



Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

Manual Integrations
APPROVED

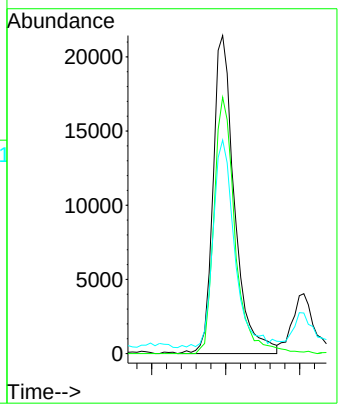
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

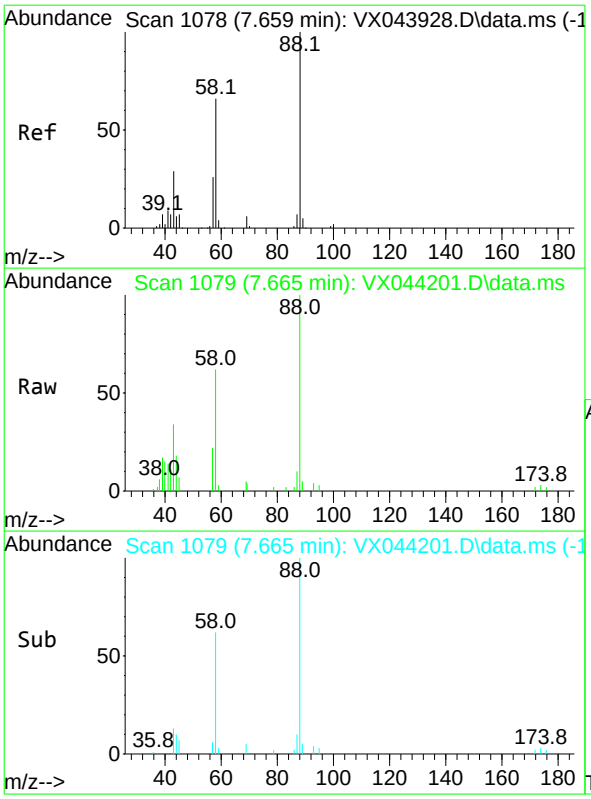


#48
Methyl methacrylate
Concen: 19.951 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 41 Resp: 43021

Ion	Ratio	Lower	Upper
41	100		
69	79.4	64.6	97.0
39	66.2	53.3	79.9

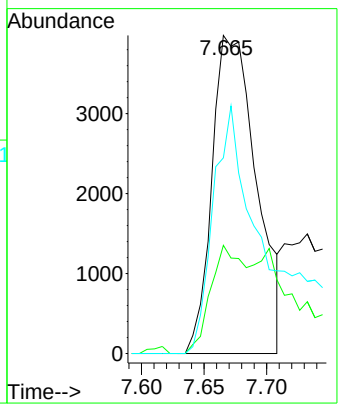




#49
1,4-Dioxane
Concen: 256.541 ug/l
RT: 7.665 min Scan# 10
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 88 Resp: 9854

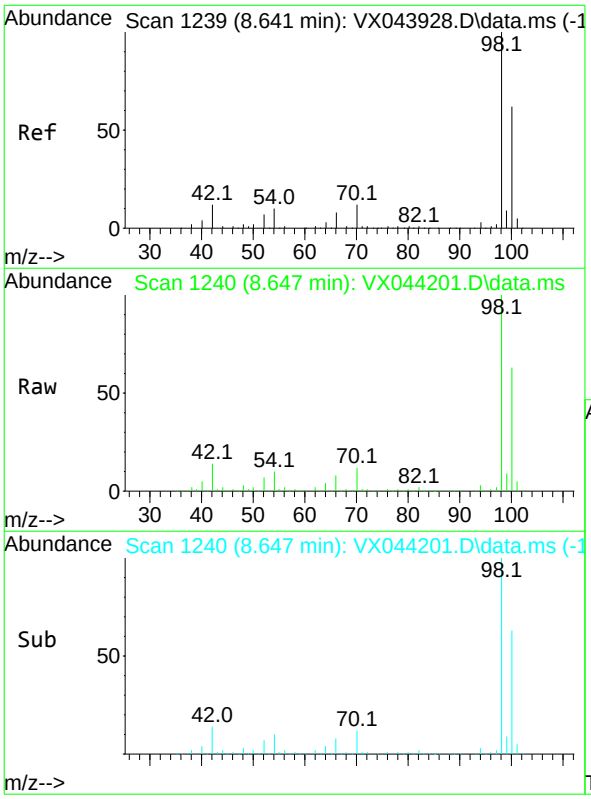
Ion	Ratio	Lower	Upper
88	100		
43	25.5	26.8	40.2#
58	123.7	45.4	68.2#



Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

Manual Integrations
APPROVED

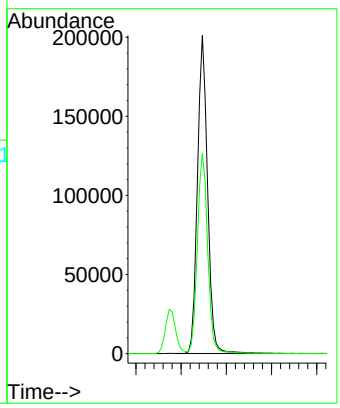
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

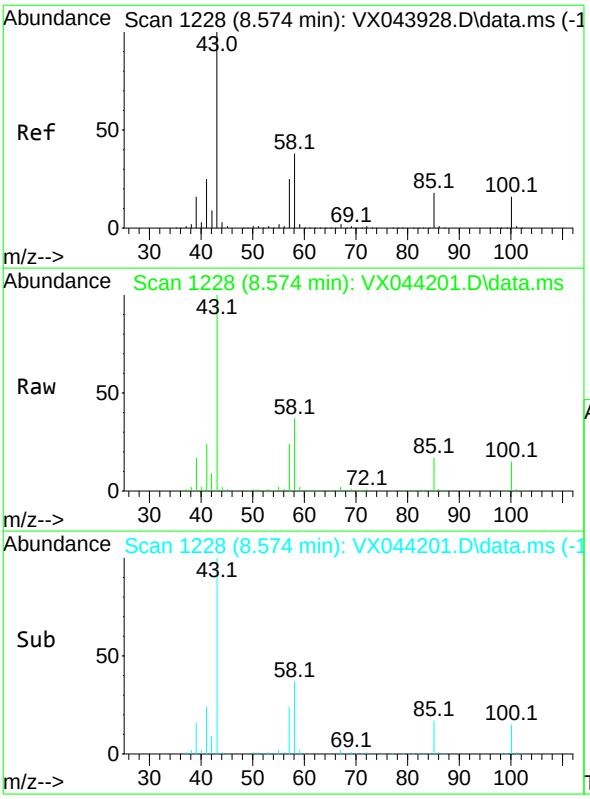


#50
Toluene-d8
Concen: 49.578 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 98 Resp: 311978

Ion	Ratio	Lower	Upper
98	100		
100	64.0	52.6	79.0





#51
4-Methyl-2-Pentanone
Concen: 110.009 ug/l
RT: 8.574 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

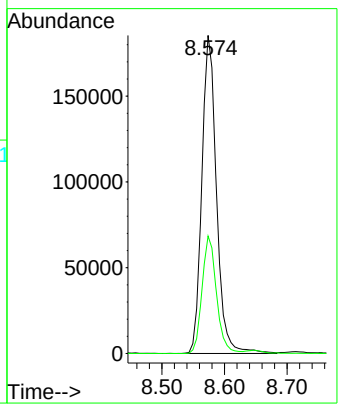
Tgt Ion: 43 Resp: 301689

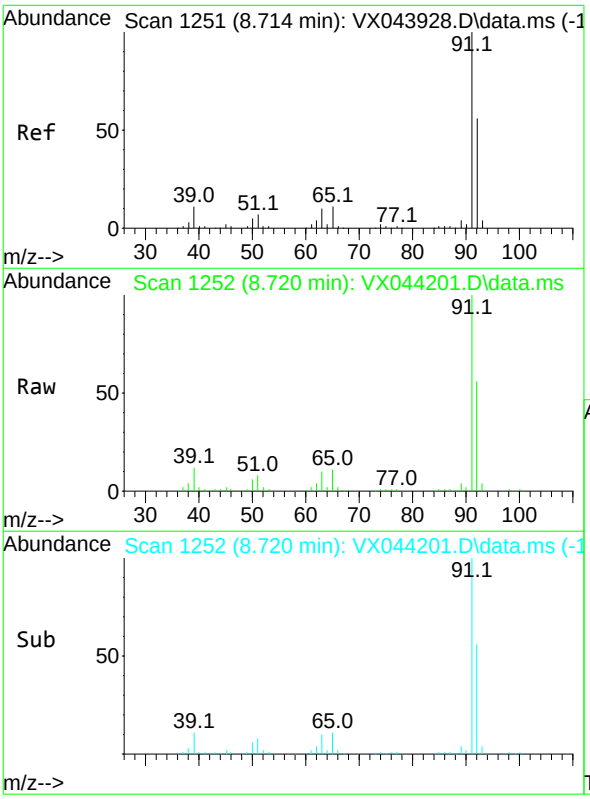
Ion	Ratio	Lower	Upper
43	100		
58	36.3	30.0	45.0

Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

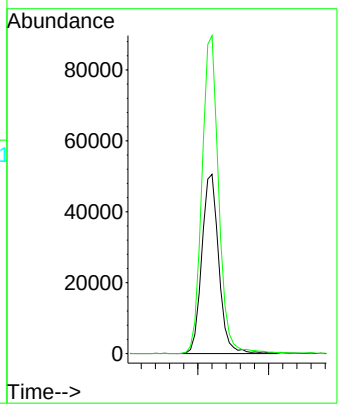


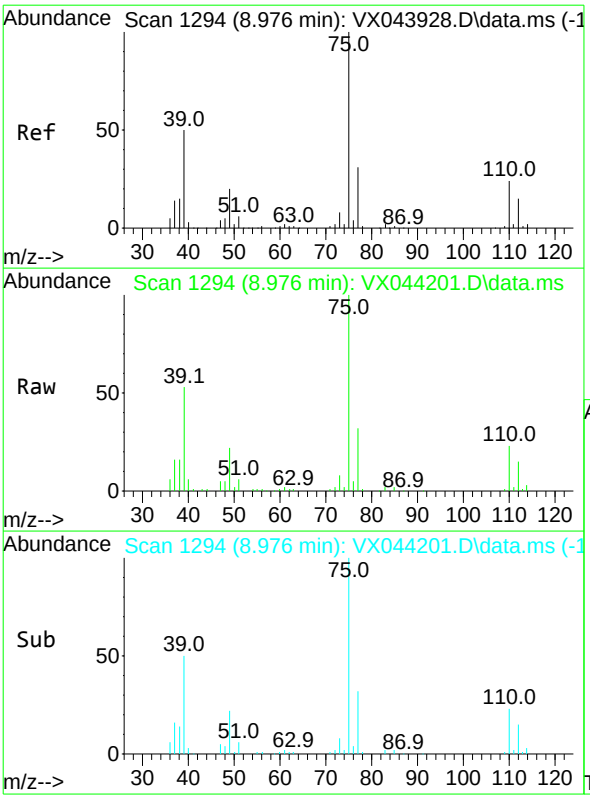


#52
Toluene
Concen: 19.858 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 92 Resp: 84219

Ion	Ratio	Lower	Upper
92	100		
91	175.5	139.7	209.5

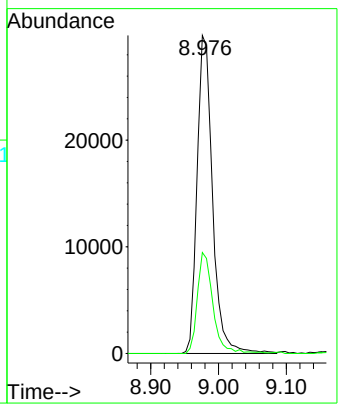




#53
t-1,3-Dichloropropene
Concen: 18.833 ug/l
RT: 8.976 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 75 Resp: 47285

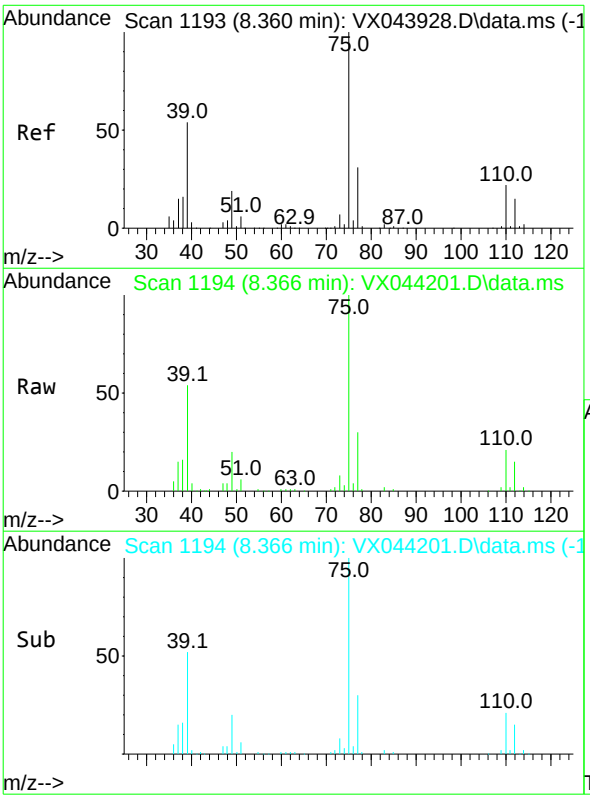
Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

Manual Integrations
APPROVED

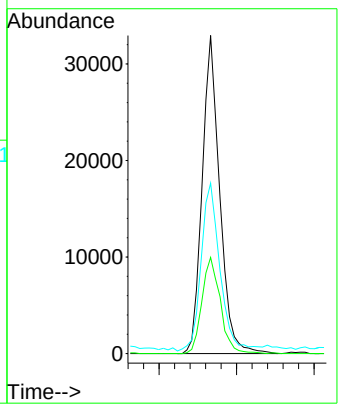
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

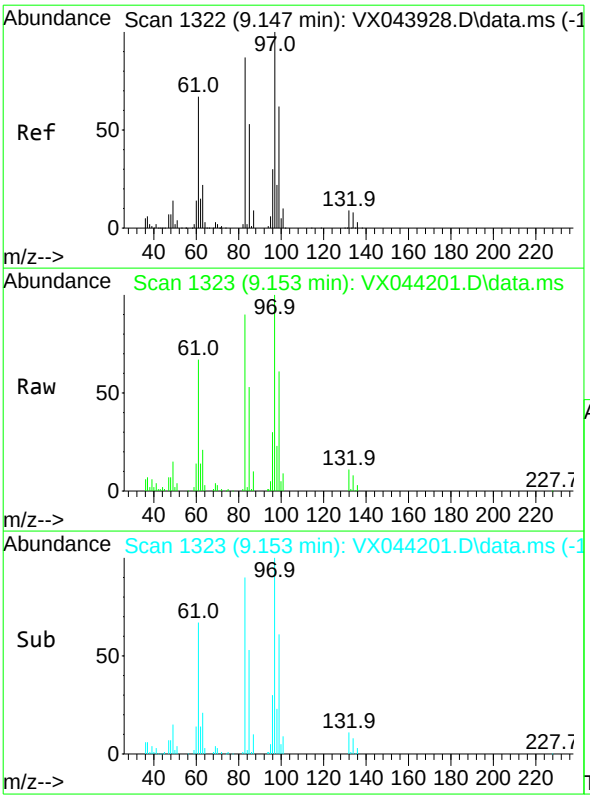


#54
cis-1,3-Dichloropropene
Concen: 18.834 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 75 Resp: 51841

Ion	Ratio	Lower	Upper
75	100		
77	30.2	25.2	37.8
39	52.8	43.1	64.7

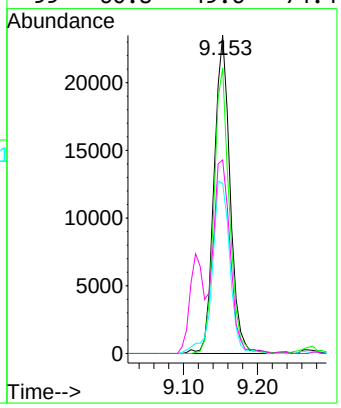




#55
1,1,2-Trichloroethane
Concen: 20.164 ug/l
RT: 9.153 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 97 Resp: 35301

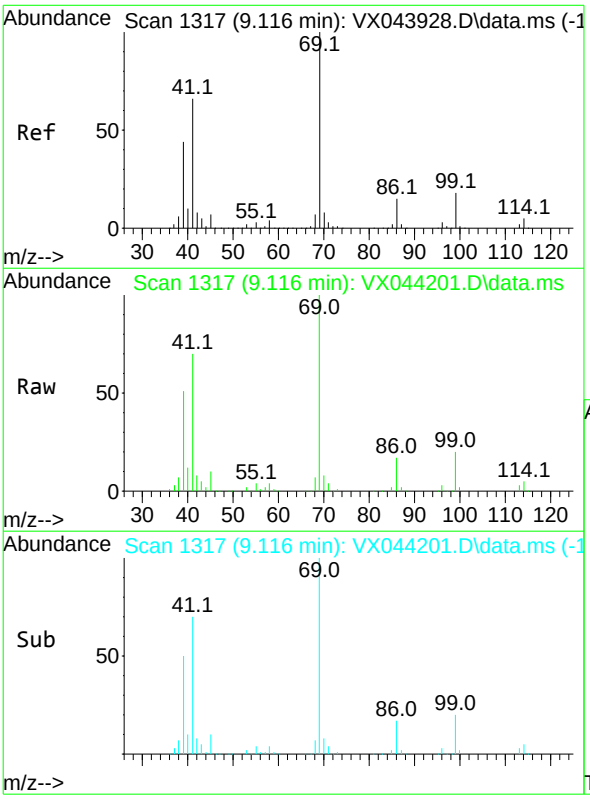
Ion	Ratio	Lower	Upper
97	100		
83	89.7	69.4	104.0
85	53.5	42.3	63.5
99	60.8	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

Manual Integrations
APPROVED

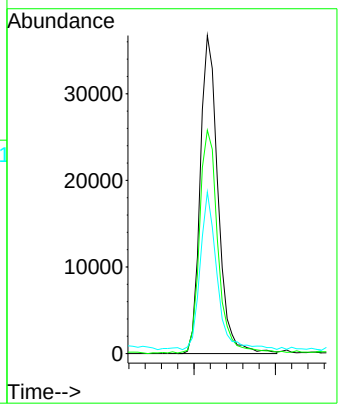
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

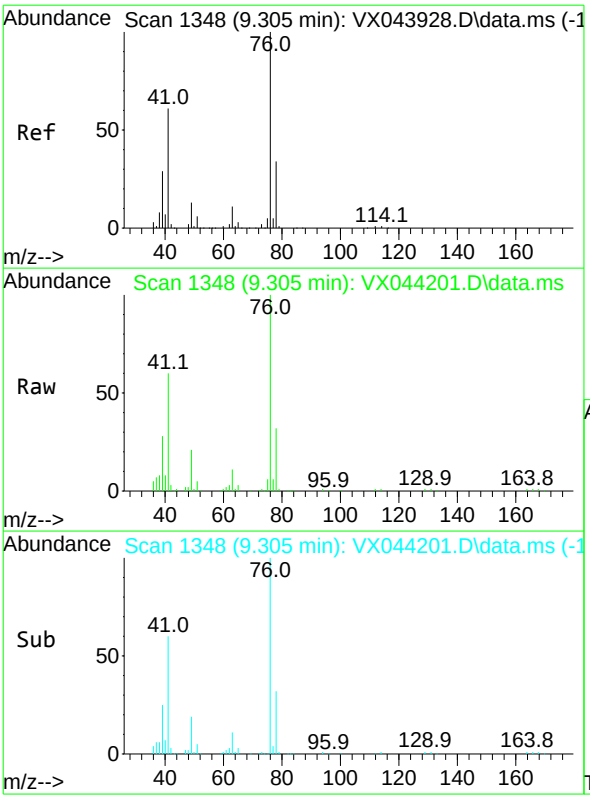


#56
Ethyl methacrylate
Concen: 20.483 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 69 Resp: 55856

Ion	Ratio	Lower	Upper
69	100		
41	73.7	55.8	83.8
39	46.7	36.7	55.1

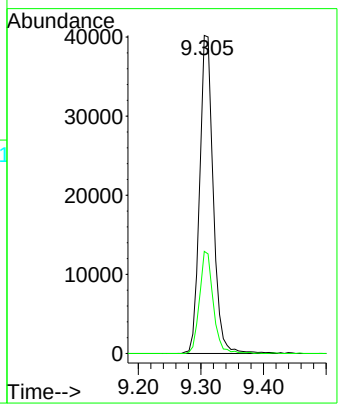




#57
1,3-Dichloropropane
Concen: 20.545 ug/l
RT: 9.305 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 76 Resp: 60589

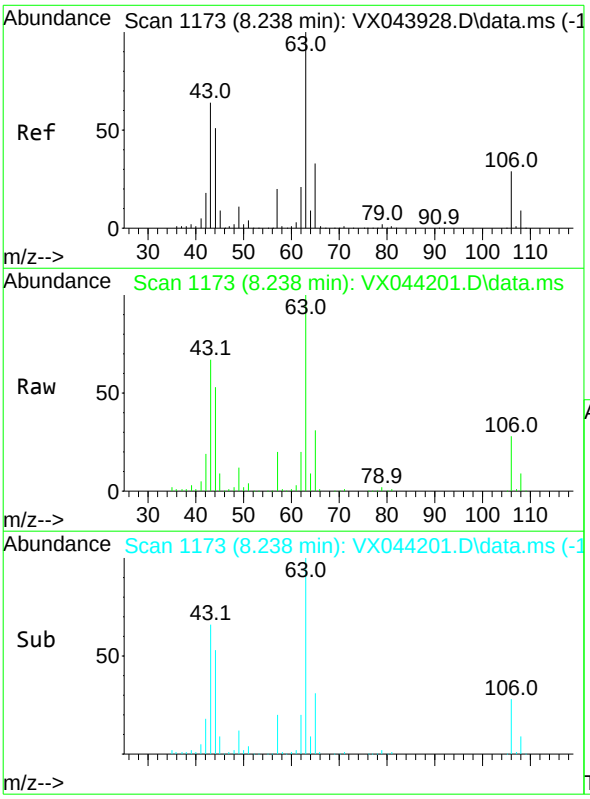
Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

Manual Integrations
APPROVED

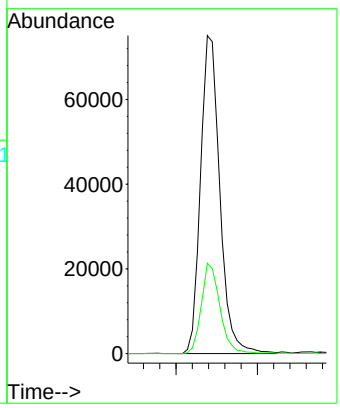
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

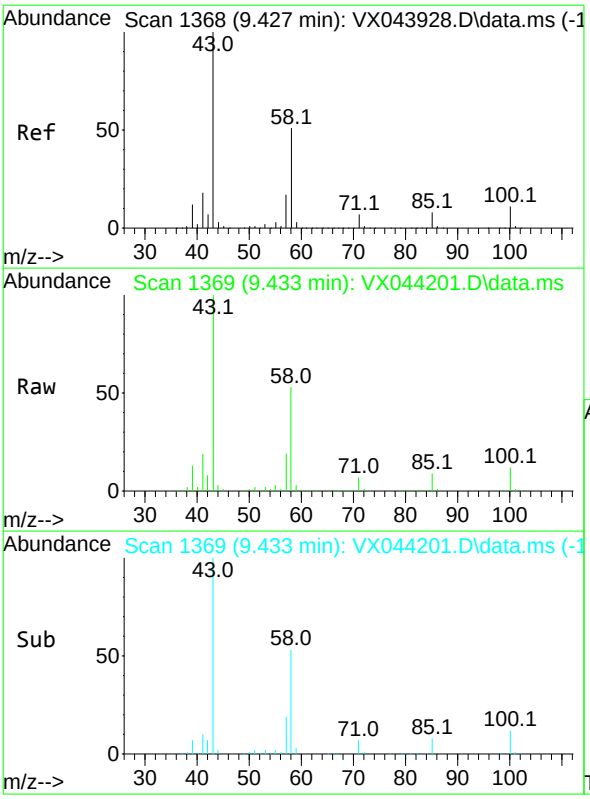


#58
2-Chloroethyl Vinyl ether
Concen: 82.064 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 63 Resp: 123591

Ion	Ratio	Lower	Upper
63	100		
106	27.3	23.0	34.6





#59
2-Hexanone
Concen: 107.484 ug/l
RT: 9.433 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

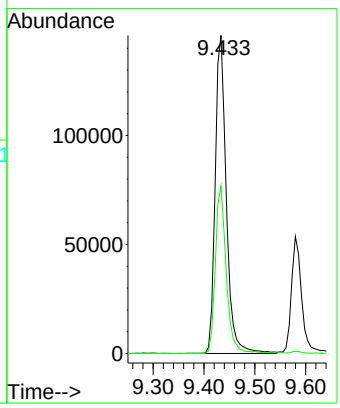
Tgt Ion: 43 Resp: 221552

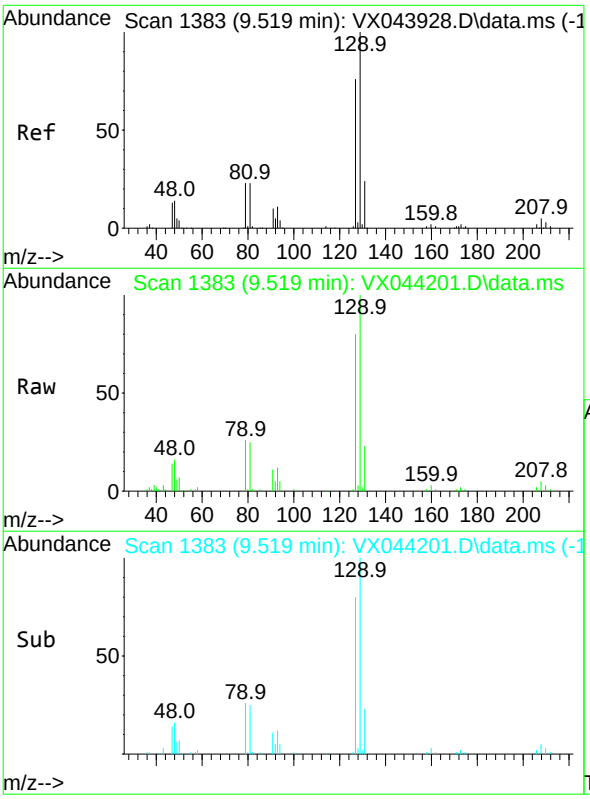
Ion	Ratio	Lower	Upper
43	100		
58	51.4	25.9	77.6

Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

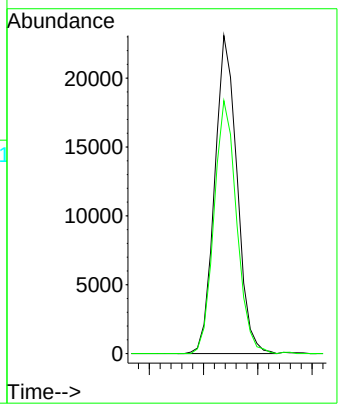


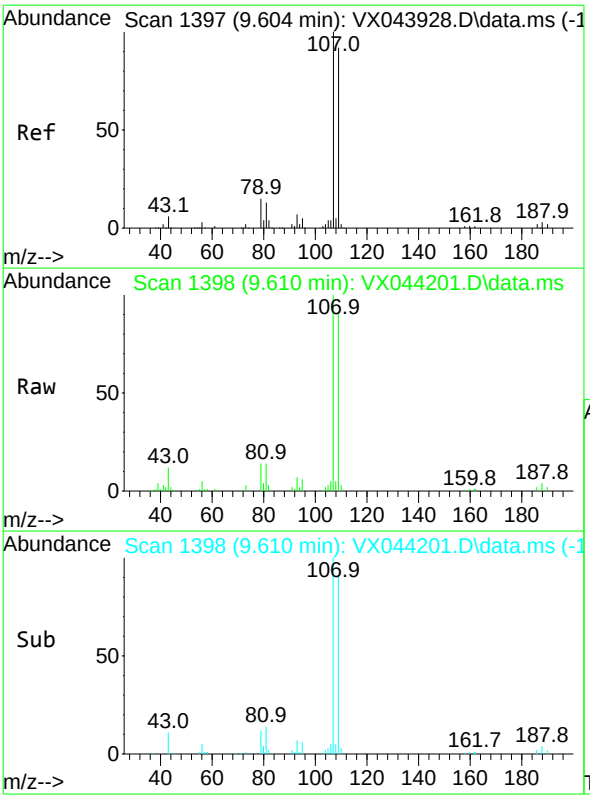


#60
Dibromochloromethane
Concen: 18.791 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion:129 Resp: 33007

Ion	Ratio	Lower	Upper
129	100		
127	80.5	38.2	114.6

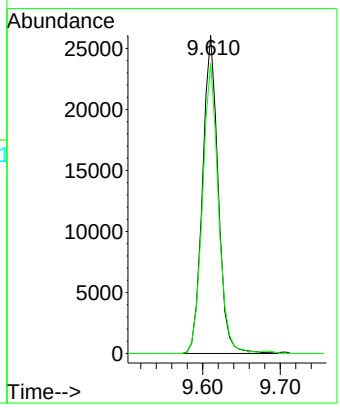




#61
1,2-Dibromoethane
Concen: 20.583 ug/l
RT: 9.610 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion:107 Resp: 36436

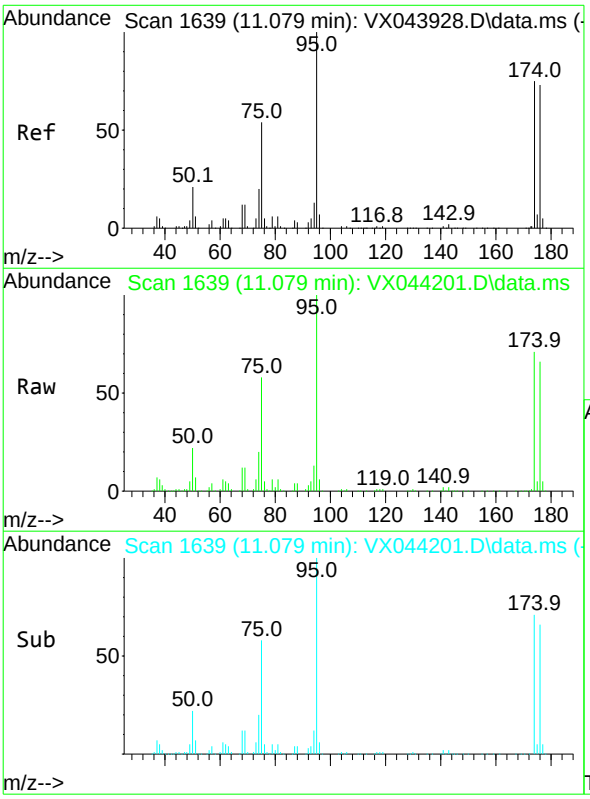
Ion	Ratio	Lower	Upper
107	100		
109	92.9	75.2	112.8



Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

Manual Integrations
APPROVED

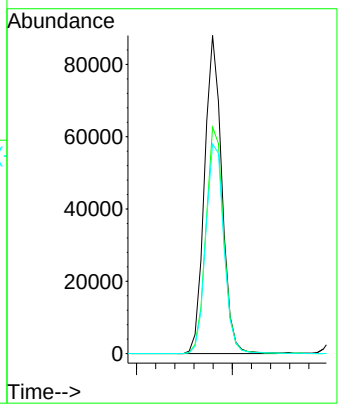
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

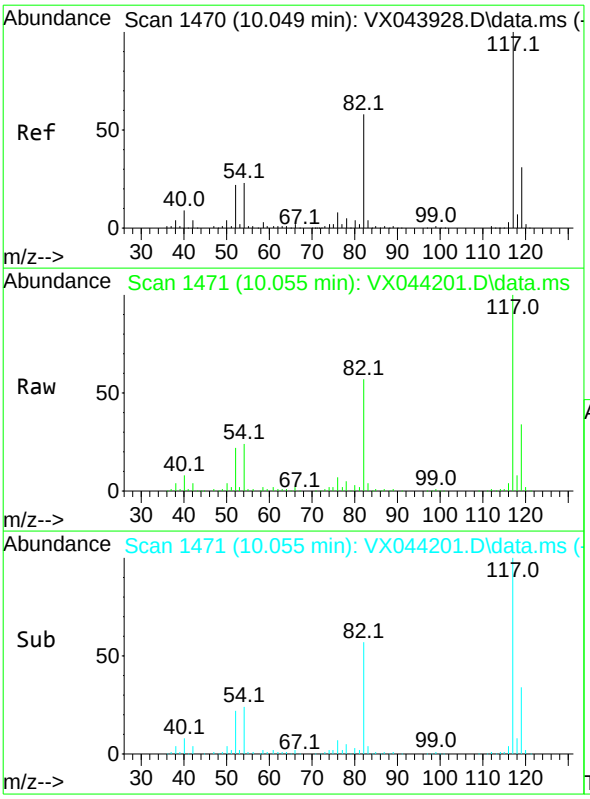


#62
4-Bromofluorobenzene
Concen: 51.736 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 95 Resp: 110798

Ion	Ratio	Lower	Upper
95	100		
174	72.8	0.0	150.4
176	68.9	0.0	146.0

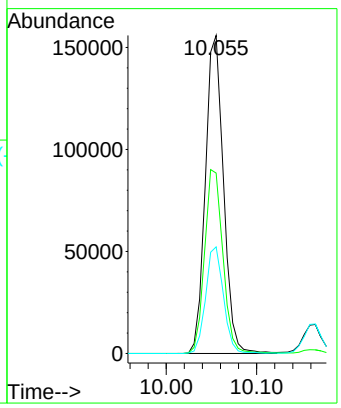




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion:117 Resp: 217630

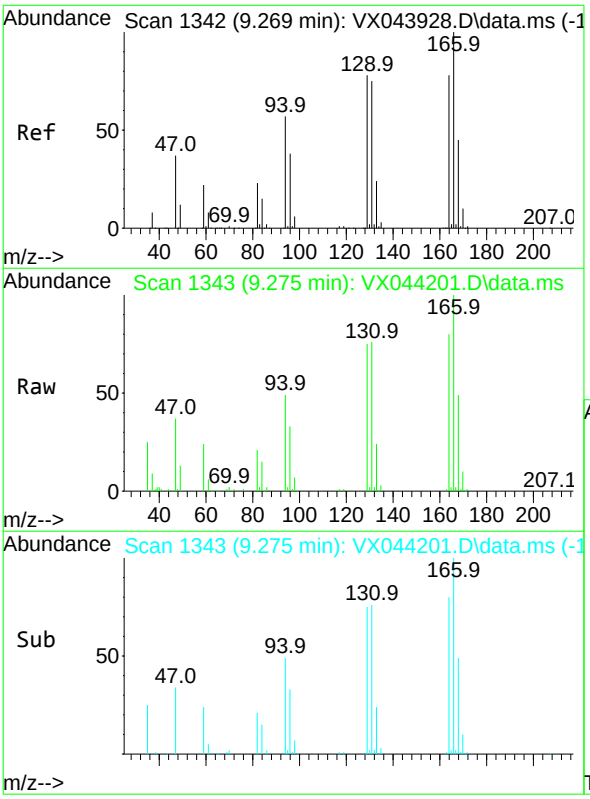
Ion	Ratio	Lower	Upper
117	100		
82	56.7	46.4	69.6
119	33.5	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

Manual Integrations
APPROVED

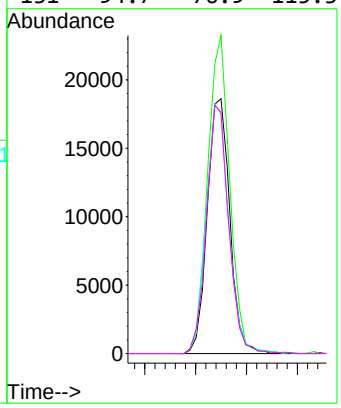
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

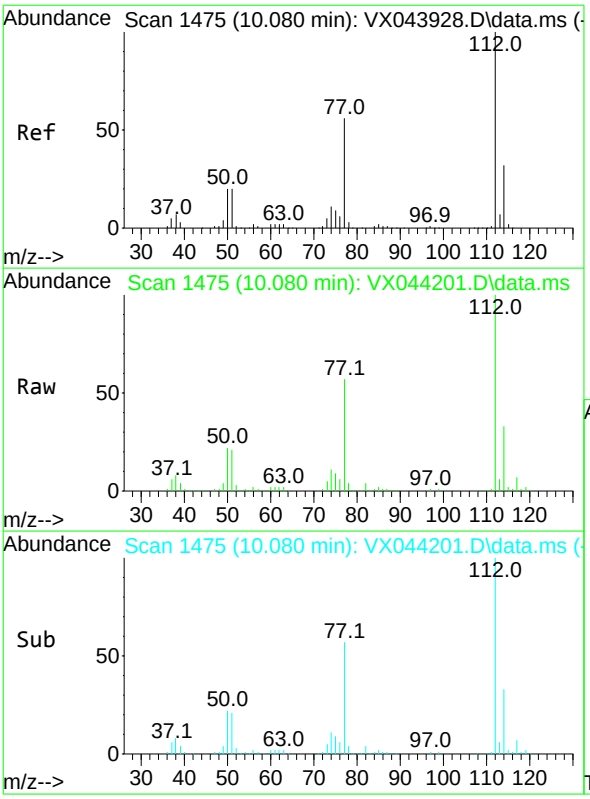


#64
Tetrachloroethene
Concen: 19.902 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion:164 Resp: 28559

Ion	Ratio	Lower	Upper
164	100		
166	124.8	102.1	153.1
129	93.9	79.6	119.4
131	94.7	76.9	115.3

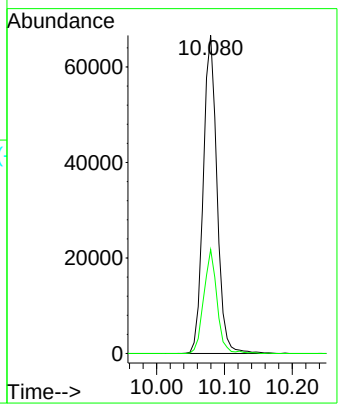




#65
Chlorobenzene
Concen: 19.593 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion:112 Resp: 93648

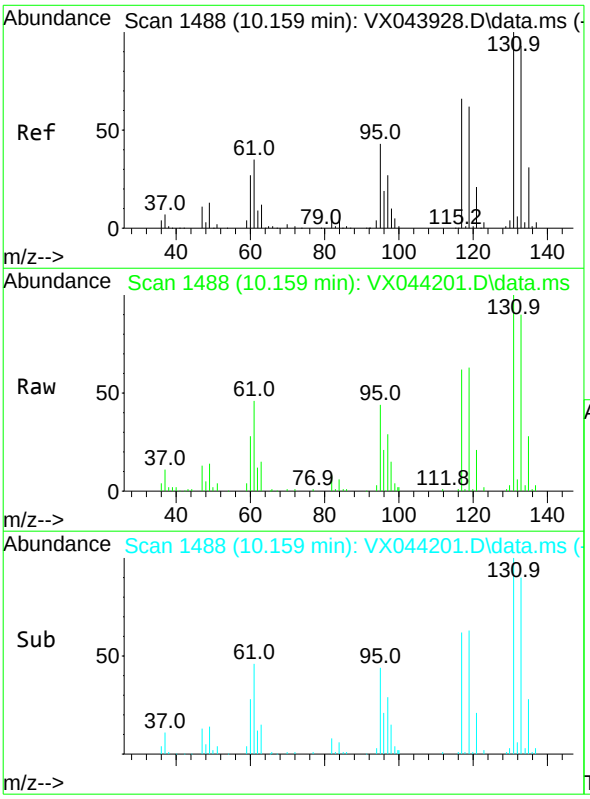
Ion	Ratio	Lower	Upper
112	100		
114	32.7	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

Manual Integrations
APPROVED

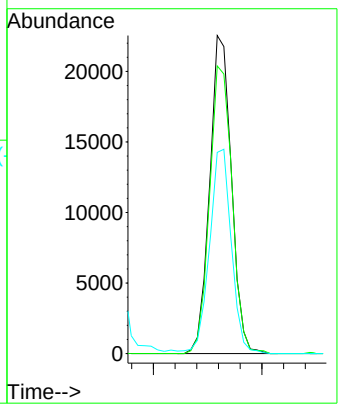
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

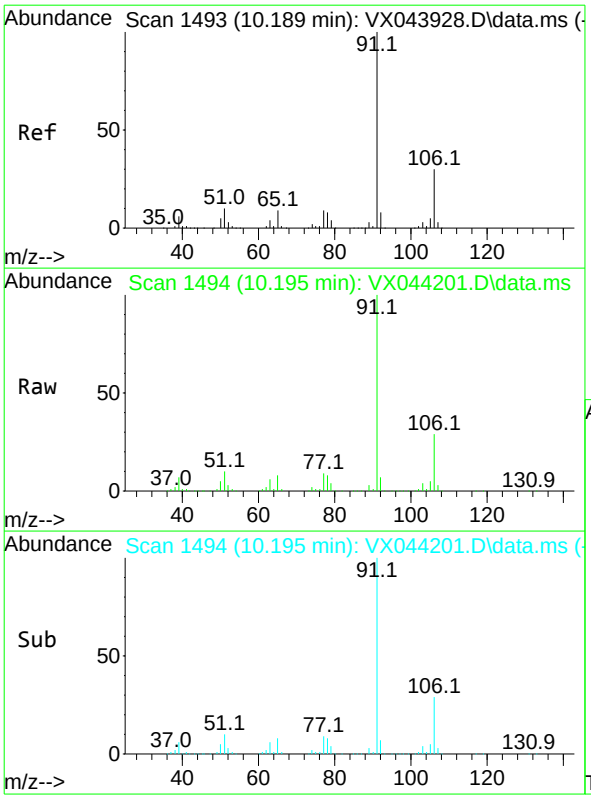


#66
1,1,1,2-Tetrachloroethane
Concen: 20.220 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion:131 Resp: 31344

Ion	Ratio	Lower	Upper
131	100		
133	93.4	48.2	144.6
119	64.6	31.5	94.5

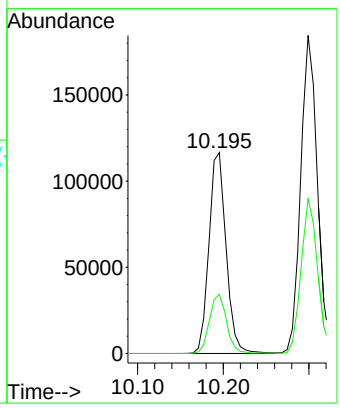




#67
Ethyl Benzene
Concen: 20.000 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 91 Resp: 161984

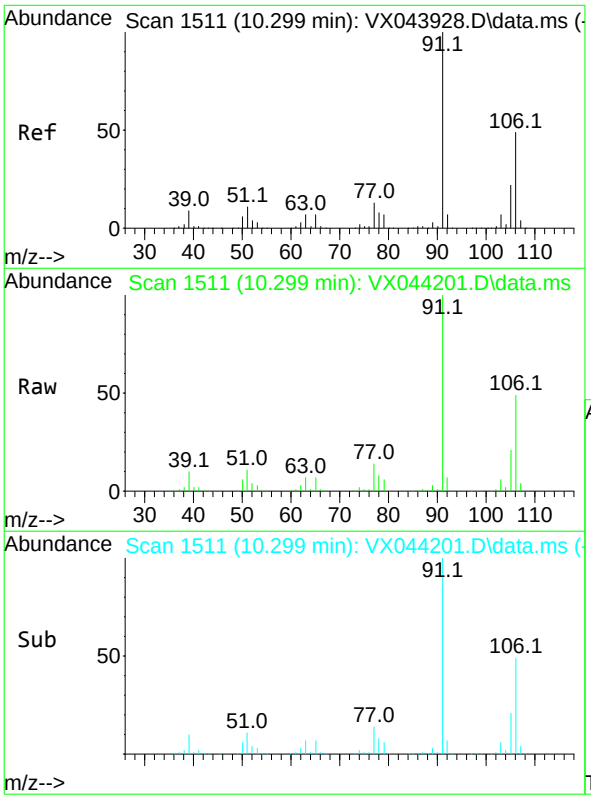
Ion	Ratio	Lower	Upper
91	100		
106	29.5	23.6	35.4



Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

Manual Integrations
APPROVED

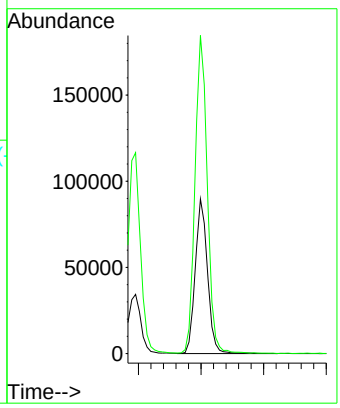
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

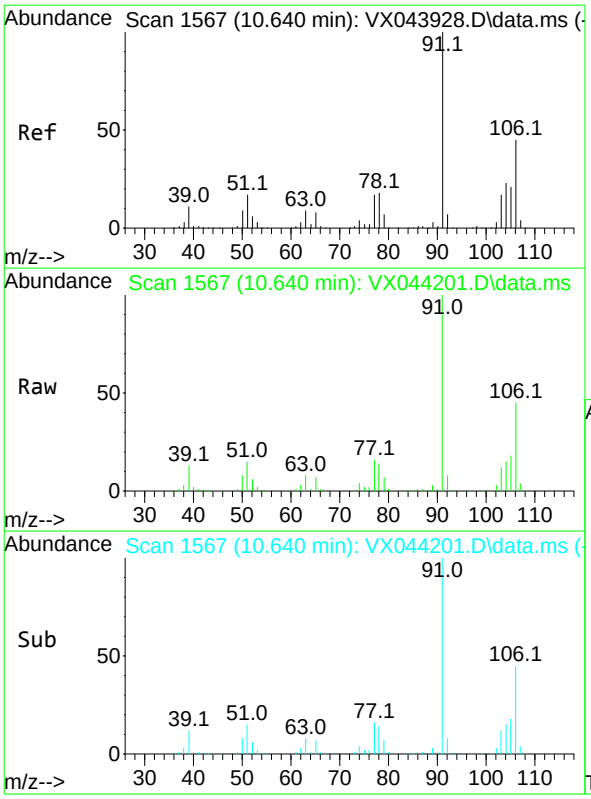


#68
m/p-Xylenes
Concen: 40.339 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion:106 Resp: 121841

Ion	Ratio	Lower	Upper
106	100		
91	206.2	168.1	252.1

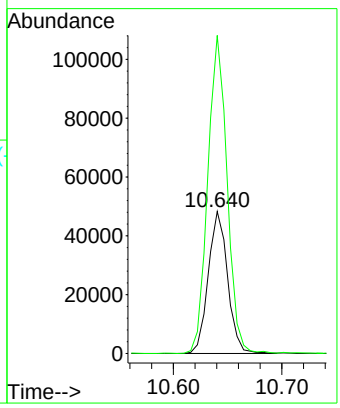




#69
o-Xylene
Concen: 20.286 ug/l
RT: 10.640 min Scan# 15
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion:106 Resp: 59823

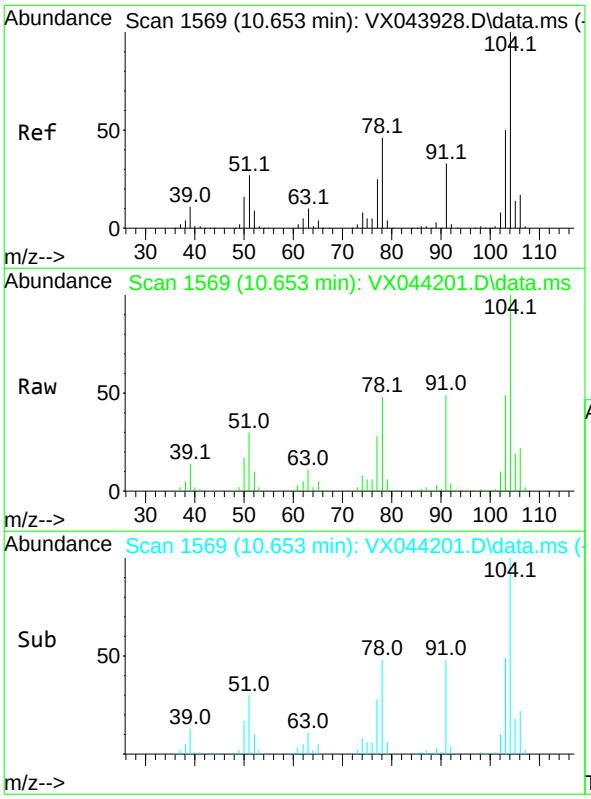
Ion	Ratio	Lower	Upper
106	100		
91	223.5	110.2	330.6



Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

Manual Integrations
APPROVED

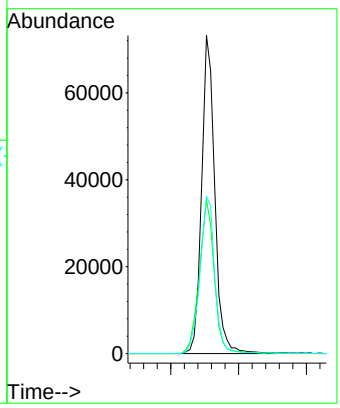
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

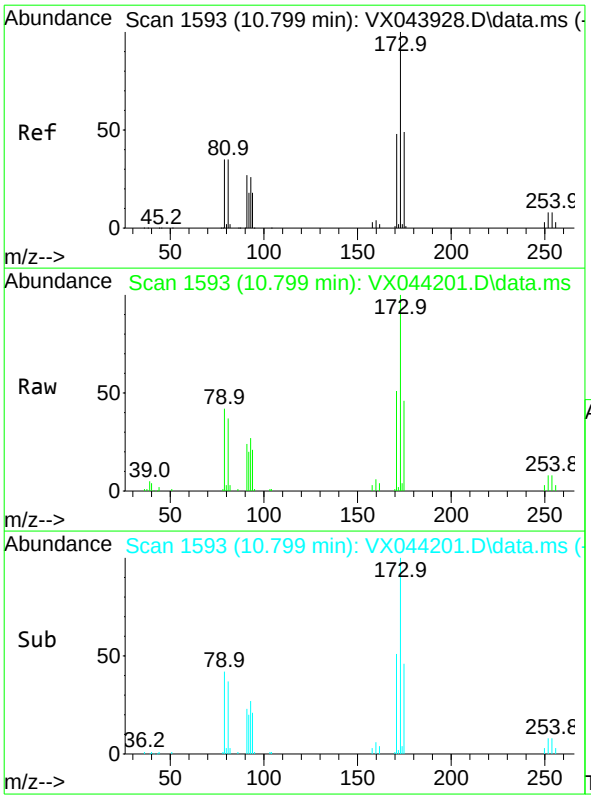


#70
Styrene
Concen: 20.249 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion:104 Resp: 98764

Ion	Ratio	Lower	Upper
104	100		
78	54.7	42.2	63.2
103	55.5	44.7	67.1

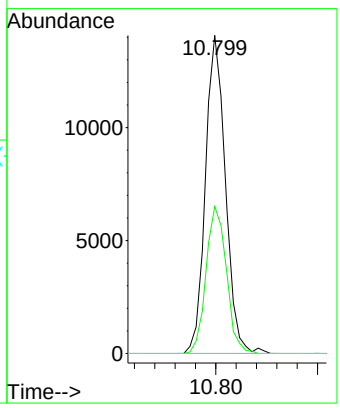




#71
Bromoform
Concen: 17.726 ug/l
RT: 10.799 min Scan# 15
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion:173 Resp: 19230

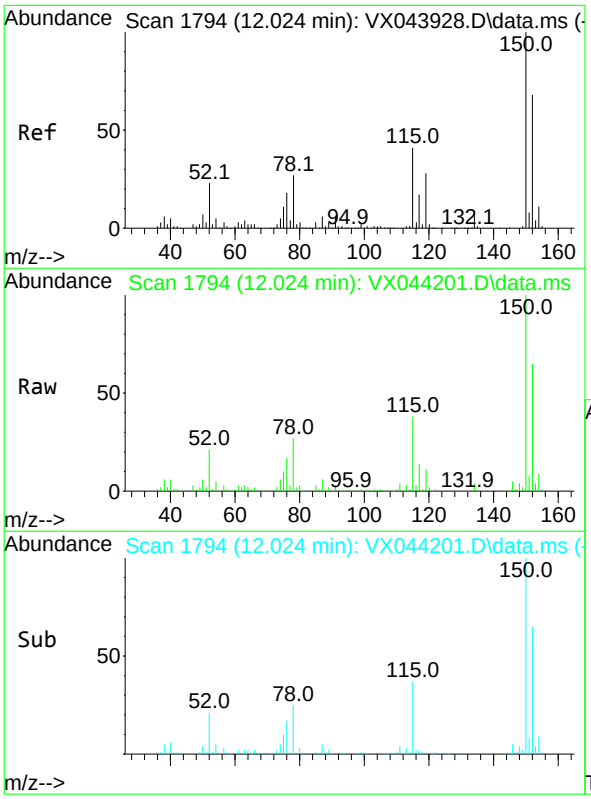
Ion	Ratio	Lower	Upper
173	100		
175	47.0	24.1	72.2
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

Manual Integrations
APPROVED

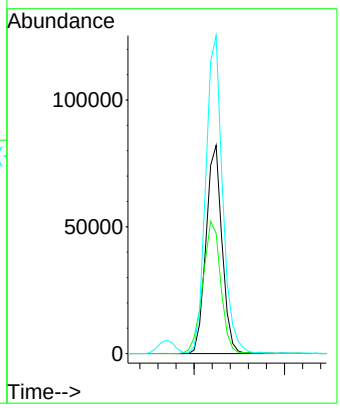
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

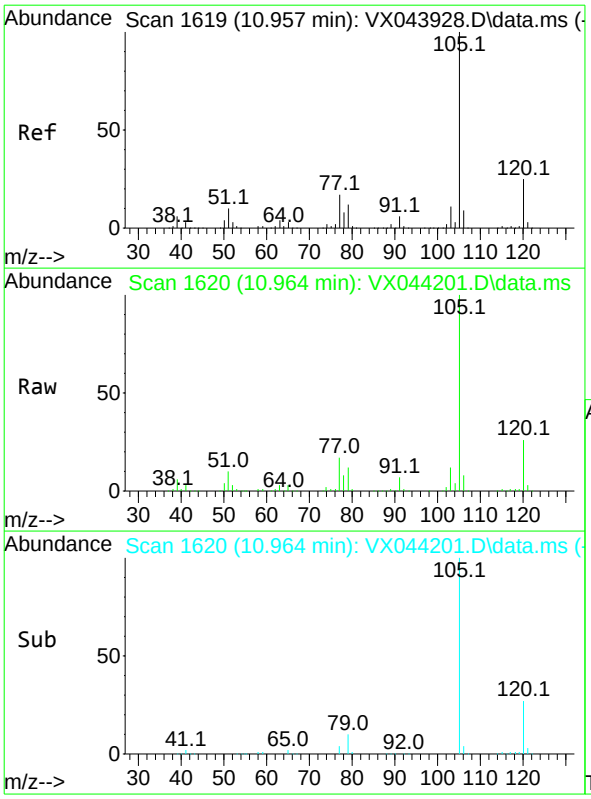


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion:152 Resp: 101326

Ion	Ratio	Lower	Upper
152	100		
115	71.1	45.4	136.2
150	159.7	0.0	353.0

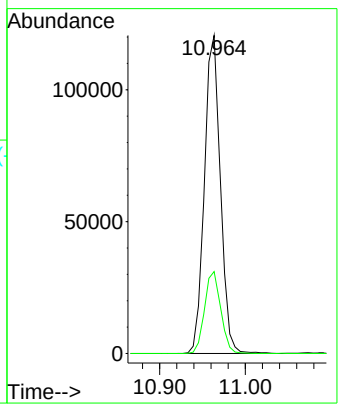




#73
Isopropylbenzene
Concen: 20.063 ug/l
RT: 10.964 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion:105 Resp: 156270

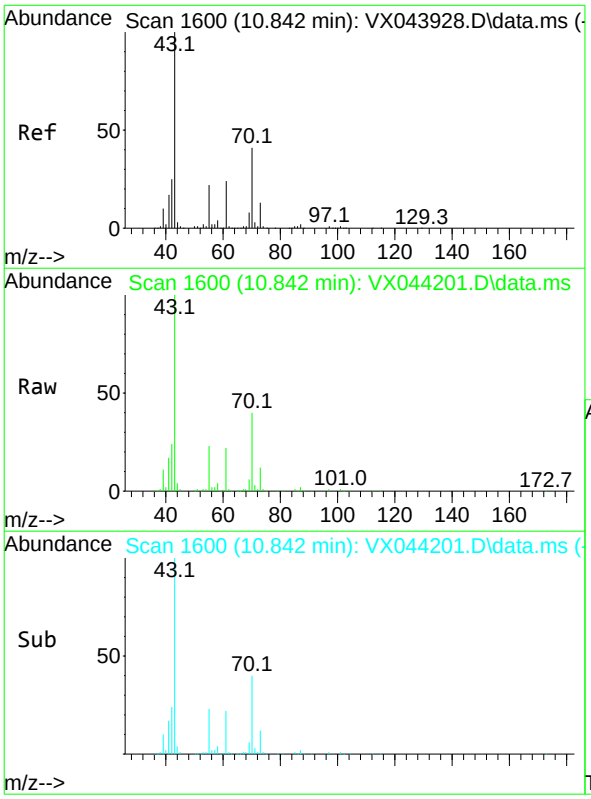
Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.0	38.9



Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

Manual Integrations
APPROVED

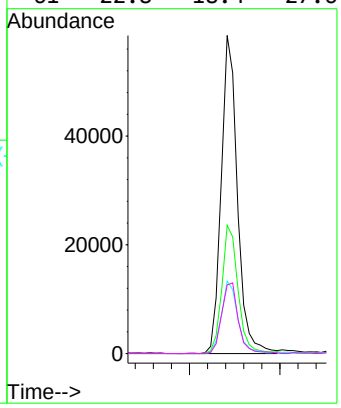
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

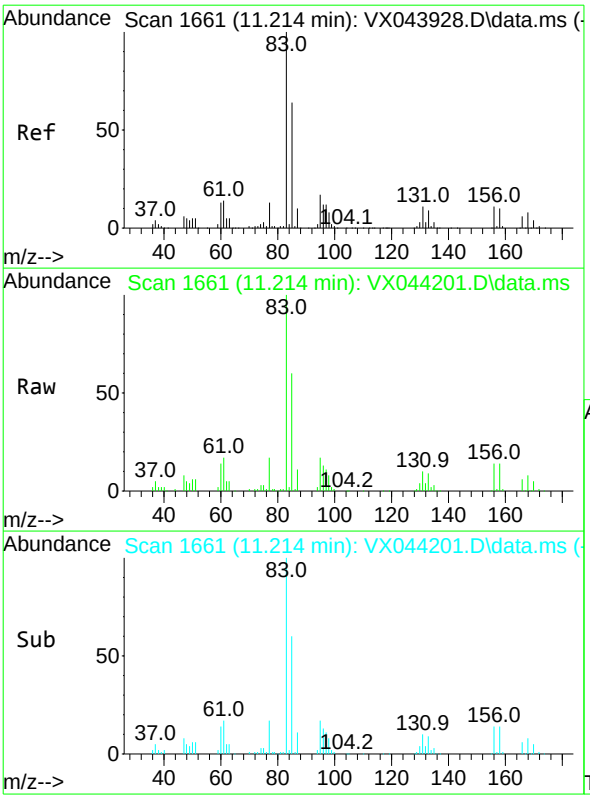


#74
N-amyl acetate
Concen: 20.177 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 43 Resp: 72802

Ion	Ratio	Lower	Upper
43	100		
70	40.9	32.2	48.2
55	22.9	18.1	27.1
61	22.8	18.4	27.6

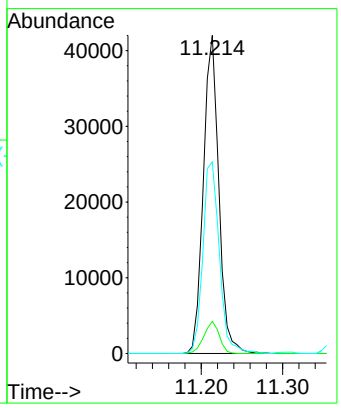




#75
1,1,2,2-Tetrachloroethane
Concen: 20.740 ug/l
RT: 11.214 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 83 Resp: 55313

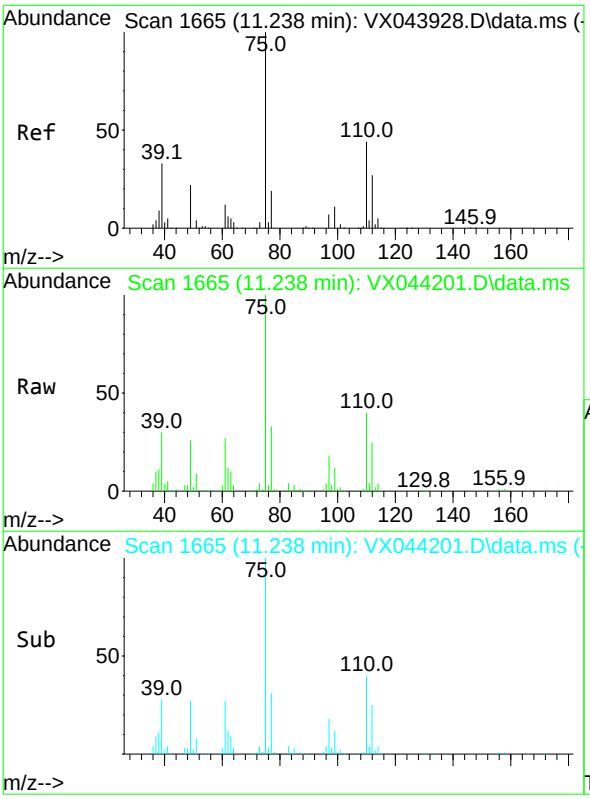
Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.1	15.2
85	64.2	32.2	96.6



Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

Manual Integrations
APPROVED

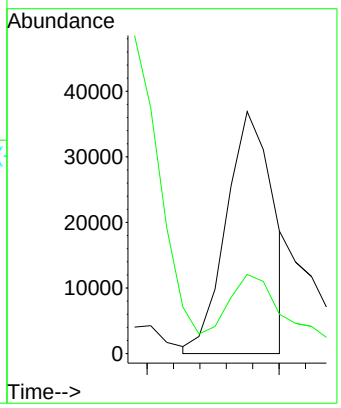
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

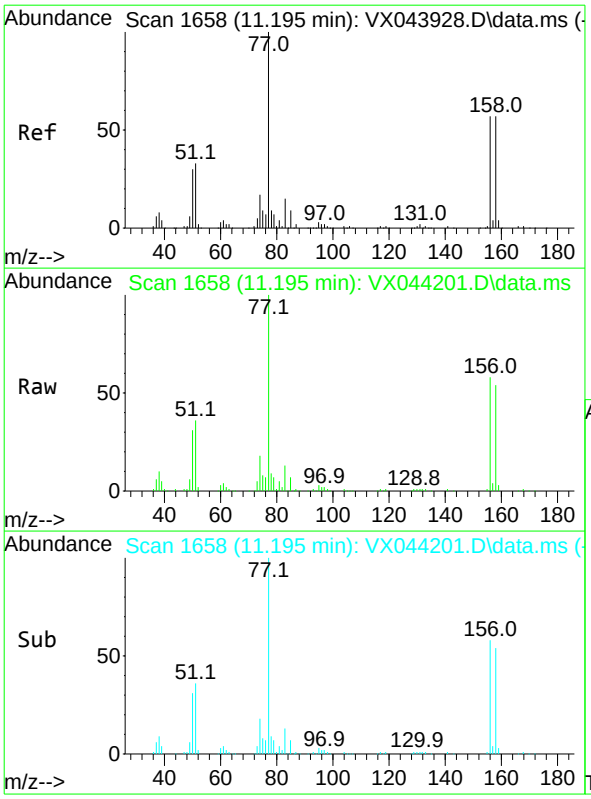


#76
1,2,3-Trichloropropane
Concen: 20.537 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 75 Resp: 45635

Ion	Ratio	Lower	Upper
75	100		
77	43.5	21.8	65.3





#77
Bromobenzene
Concen: 19.549 ug/l
RT: 11.195 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

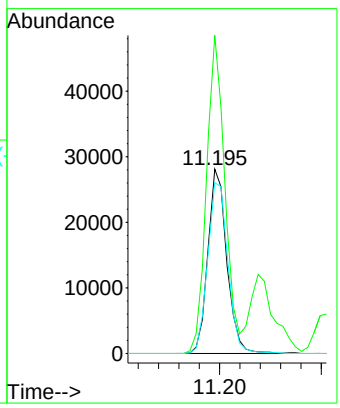
Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

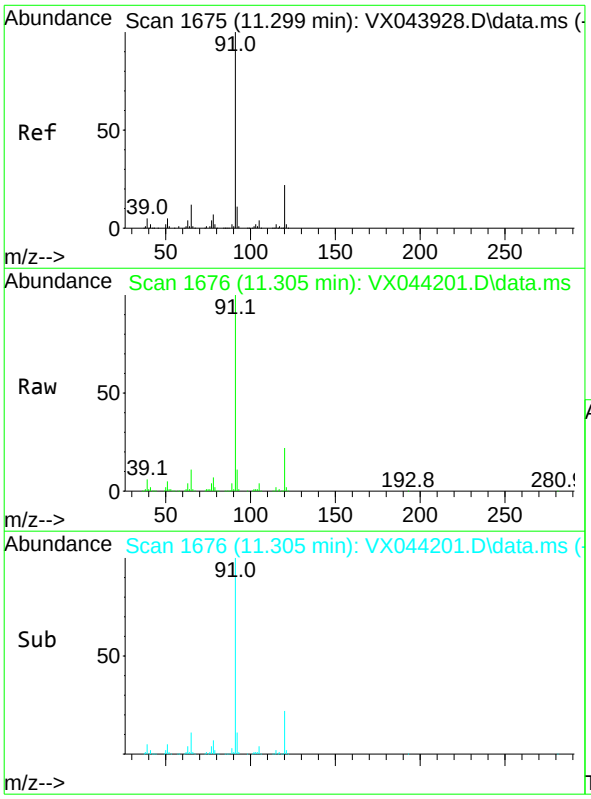
Tgt Ion:156 Resp: 36322

Ion	Ratio	Lower	Upper
156	100		
77	166.7	83.4	250.1
158	99.0	47.6	142.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

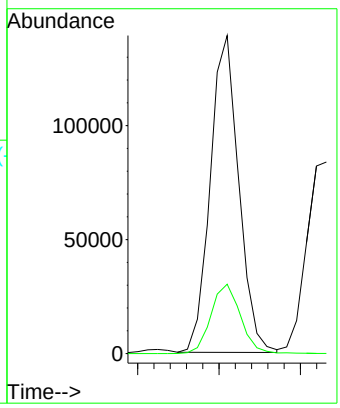


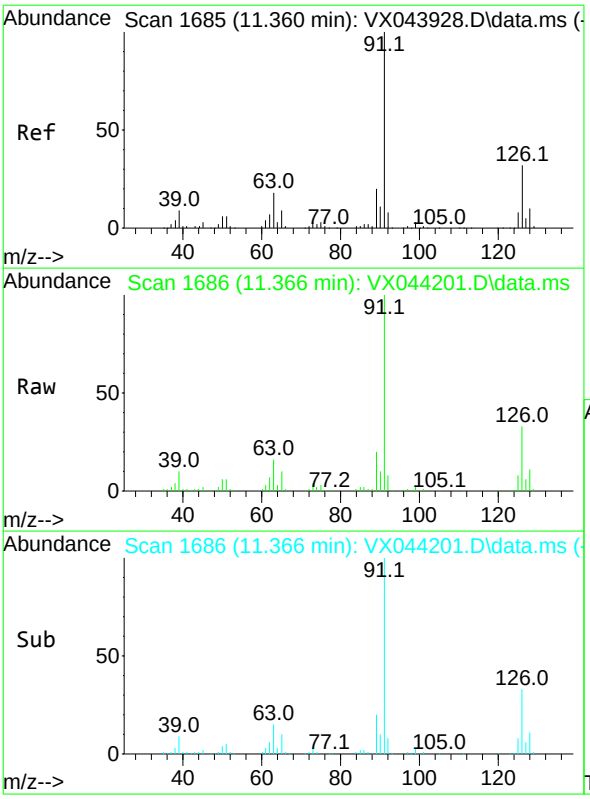


#78
n-propylbenzene
Concen: 19.442 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 91 Resp: 169125

Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.5	34.4

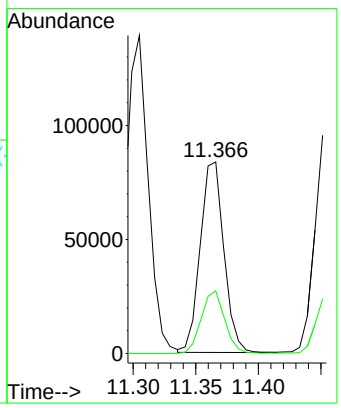




#79
2-Chlorotoluene
Concen: 19.964 ug/l
RT: 11.366 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 91 Resp: 109815

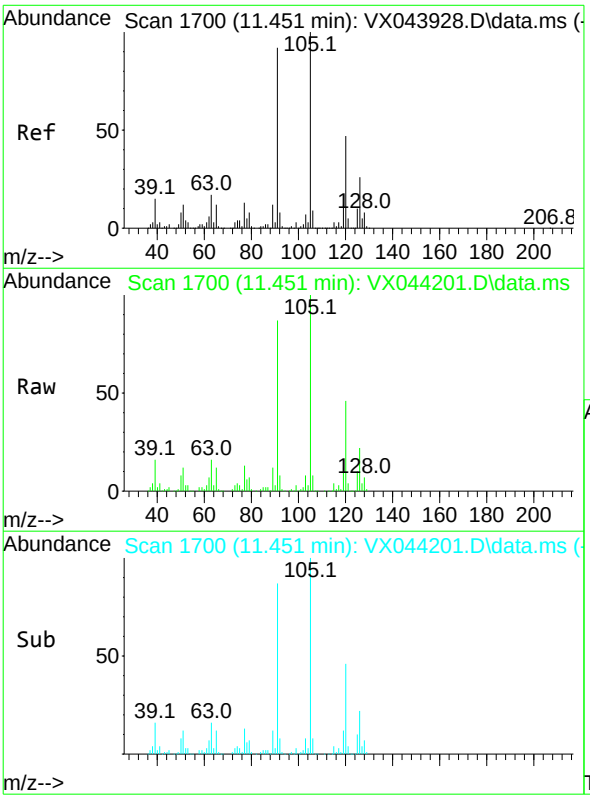
Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.6	49.8



Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

Manual Integrations
APPROVED

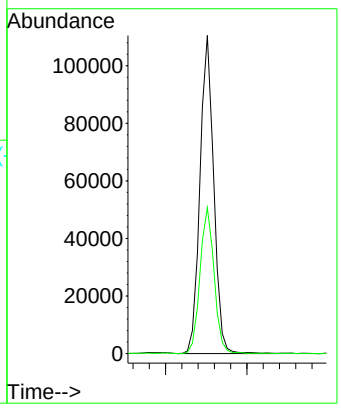
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

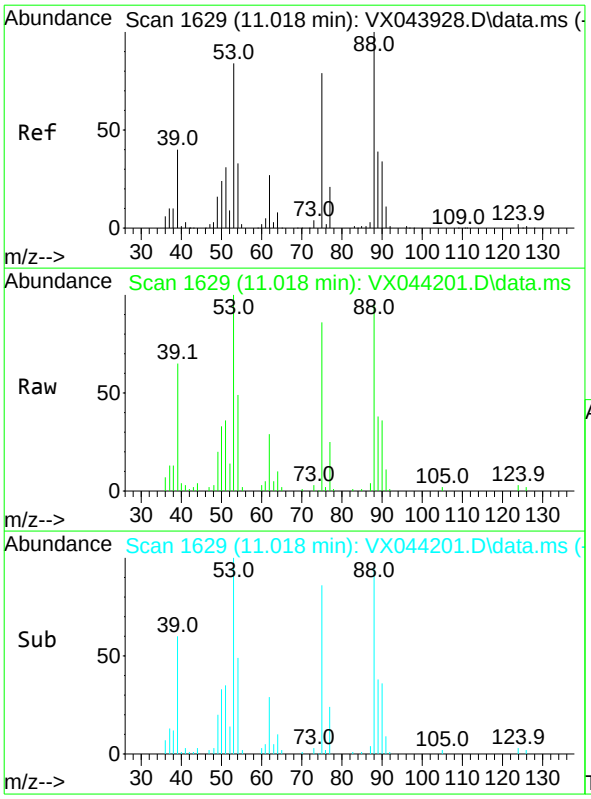


#80
1,3,5-Trimethylbenzene
Concen: 20.232 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion:105 Resp: 129646

Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.3	69.8





#81
trans-1,4-Dichloro-2-butene
Concen: 16.281 ug/l
RT: 11.018 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

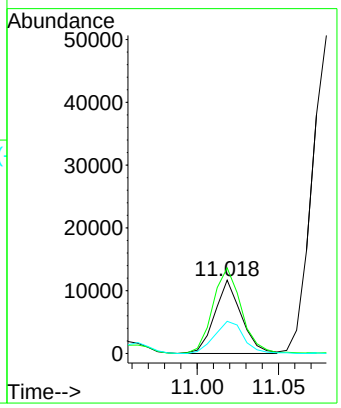
Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

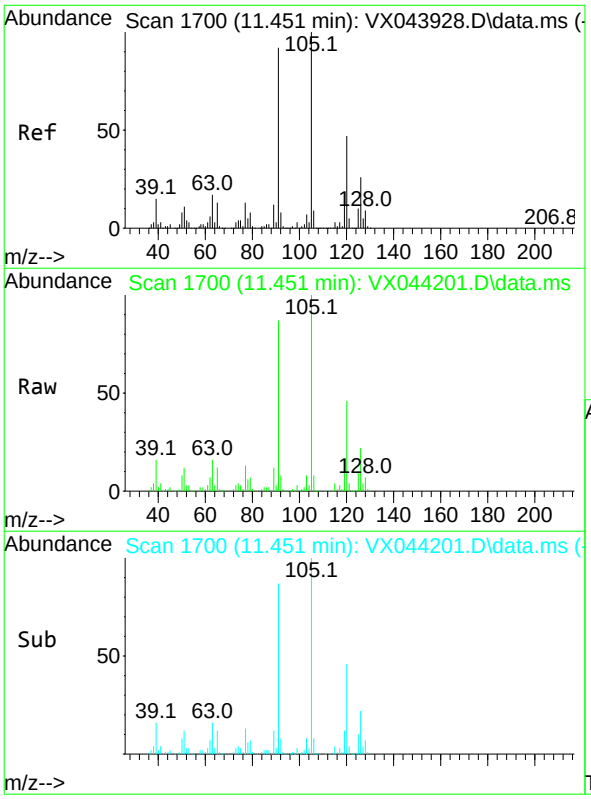
Tgt Ion: 75 Resp: 13258

Ion	Ratio	Lower	Upper
75	100		
53	125.9	86.7	130.1
89	48.6	38.2	57.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

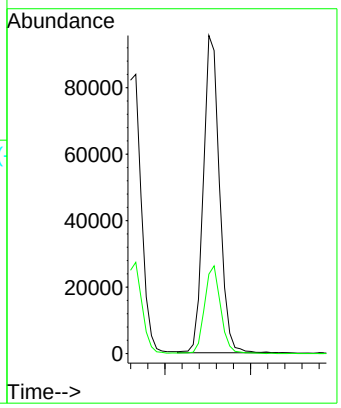


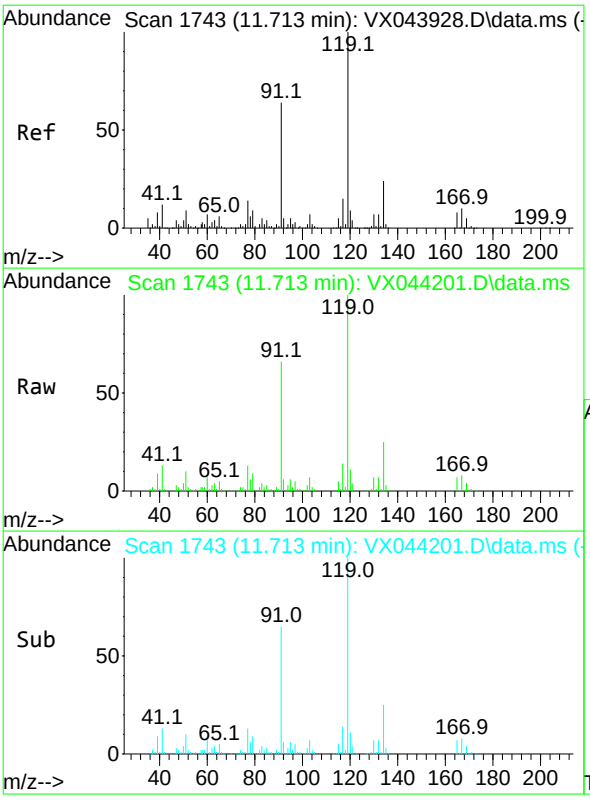


#82
4-Chlorotoluene
Concen: 20.059 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 91 Resp: 124570

Ion	Ratio	Lower	Upper
91	100		
126	27.7	14.3	42.9

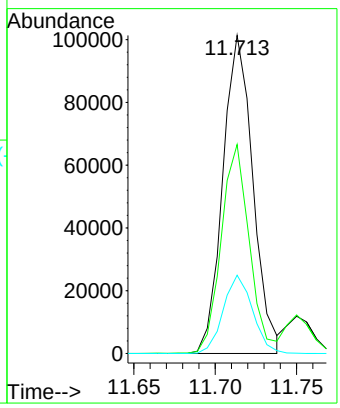




#83
tert-Butylbenzene
Concen: 20.509 ug/l
RT: 11.713 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion:119 Resp: 130260

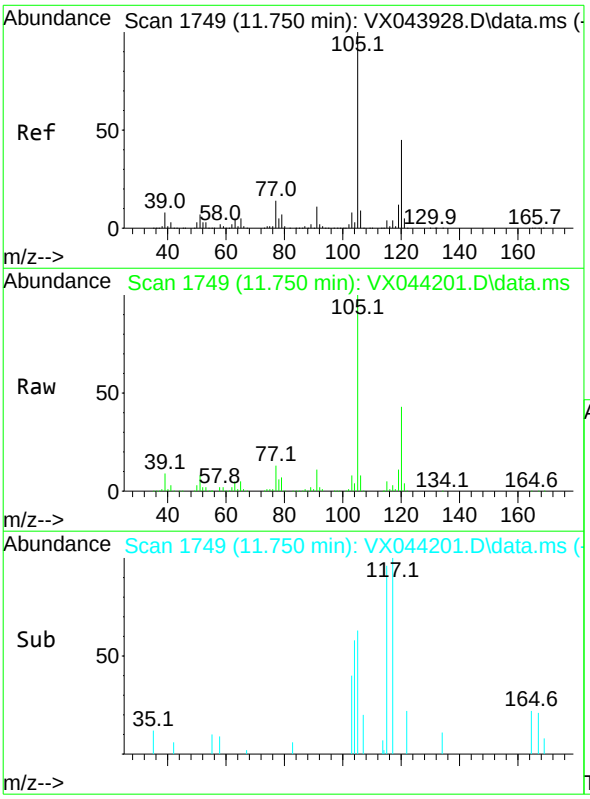
Ion	Ratio	Lower	Upper
119	100		
91	61.8	31.0	93.0
134	24.0	11.6	34.8



Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

Manual Integrations
APPROVED

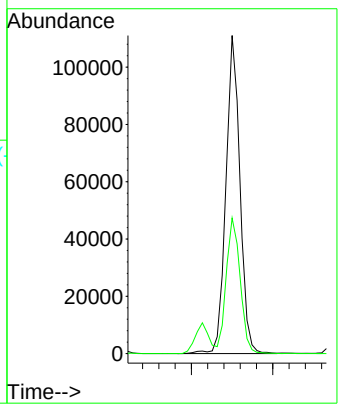
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

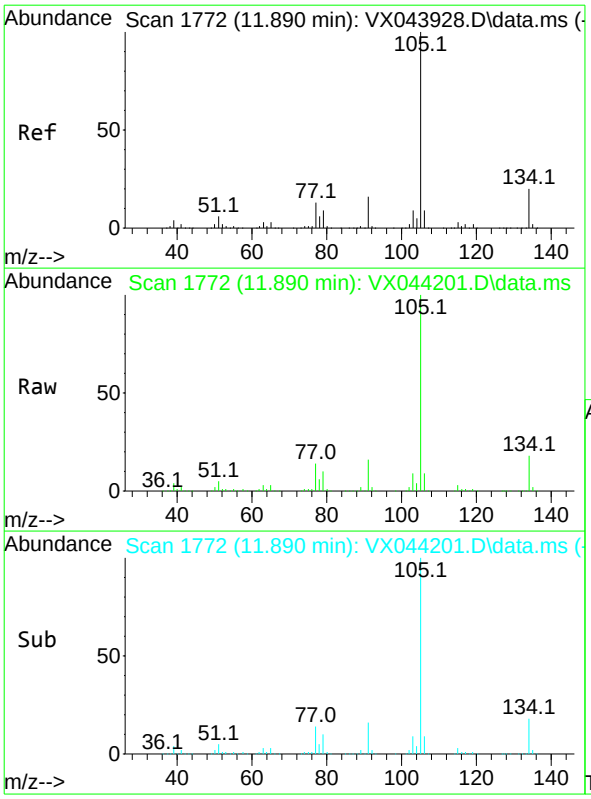


#84
1,2,4-Trimethylbenzene
Concen: 20.869 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion:105 Resp: 133139

Ion	Ratio	Lower	Upper
105	100		
120	42.3	21.9	65.7

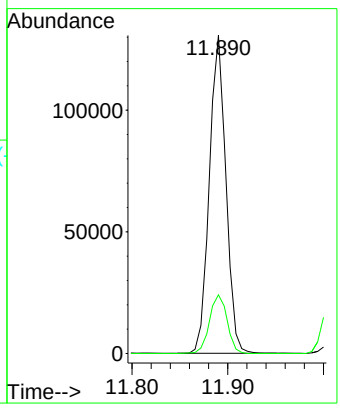




#85
sec-Butylbenzene
Concen: 20.171 ug/l
RT: 11.890 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion:105 Resp: 156966

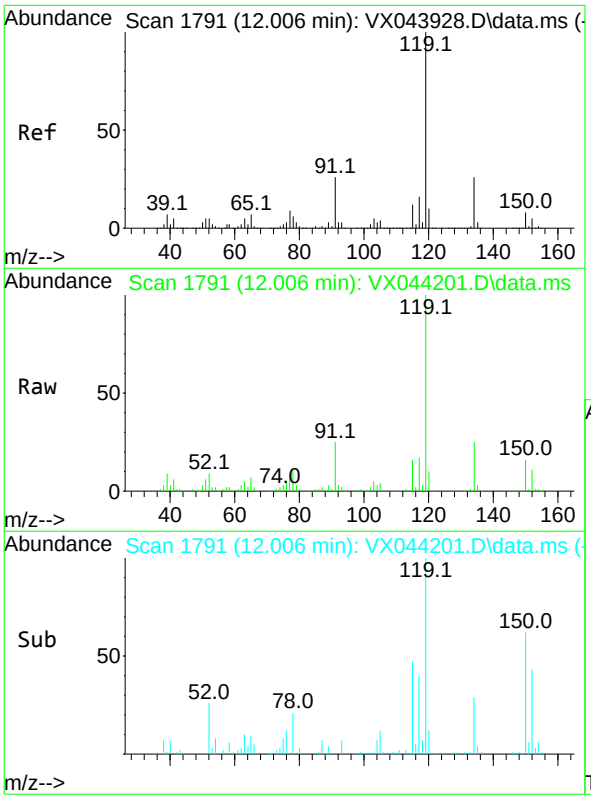
Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.7	29.1



Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

Manual Integrations
APPROVED

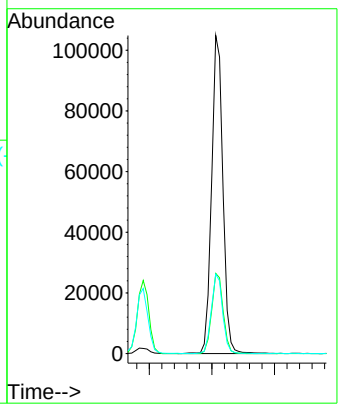
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

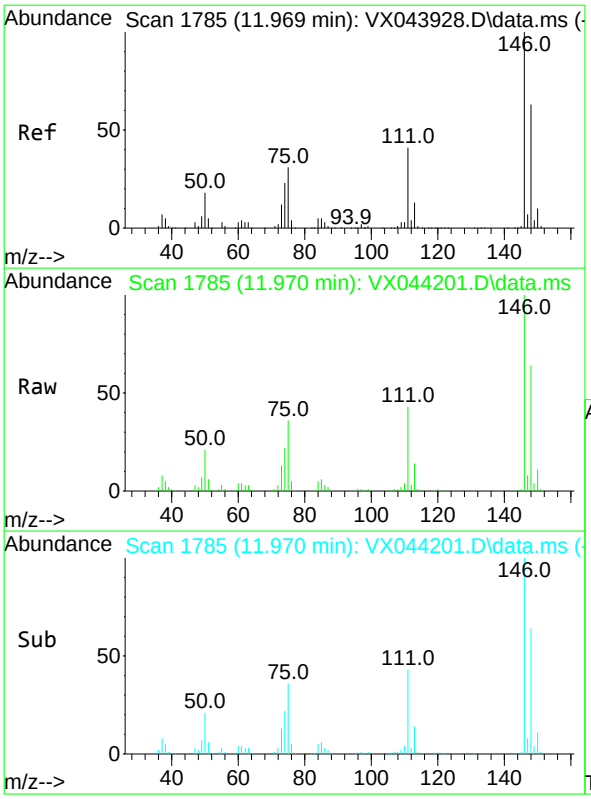


#86
p-Isopropyltoluene
Concen: 20.752 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion:119 Resp: 131174

Ion	Ratio	Lower	Upper
119	100		
134	25.5	13.0	38.9
91	25.1	13.0	38.9

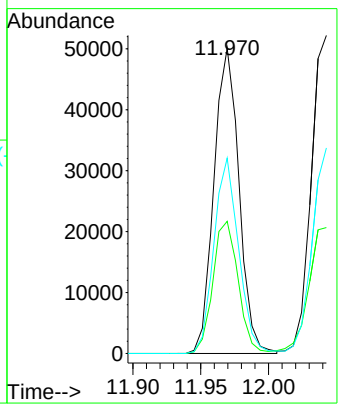




#87
1,3-Dichlorobenzene
Concen: 19.027 ug/l
RT: 11.970 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion:146 Resp: 64387

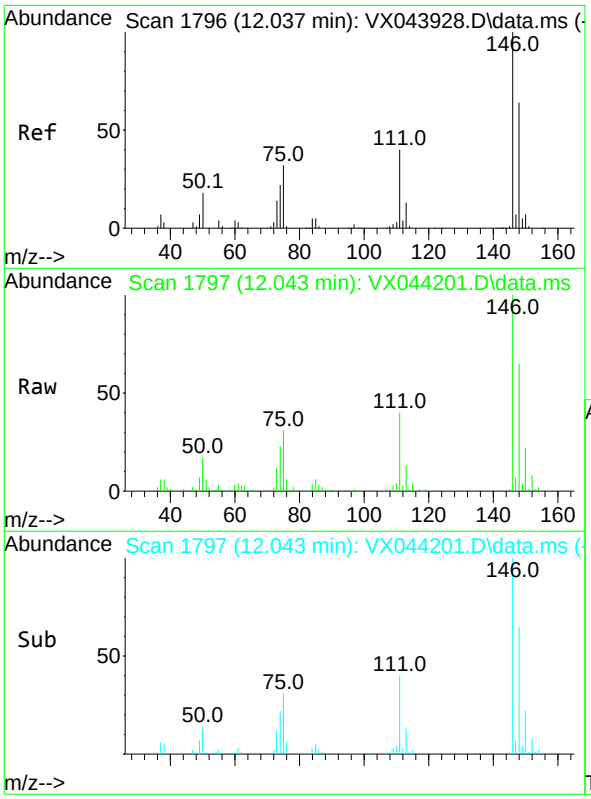
Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.1	63.3
148	63.5	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

Manual Integrations
APPROVED

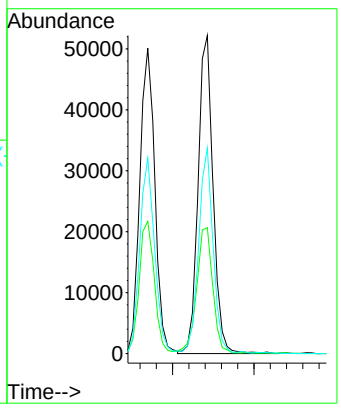
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

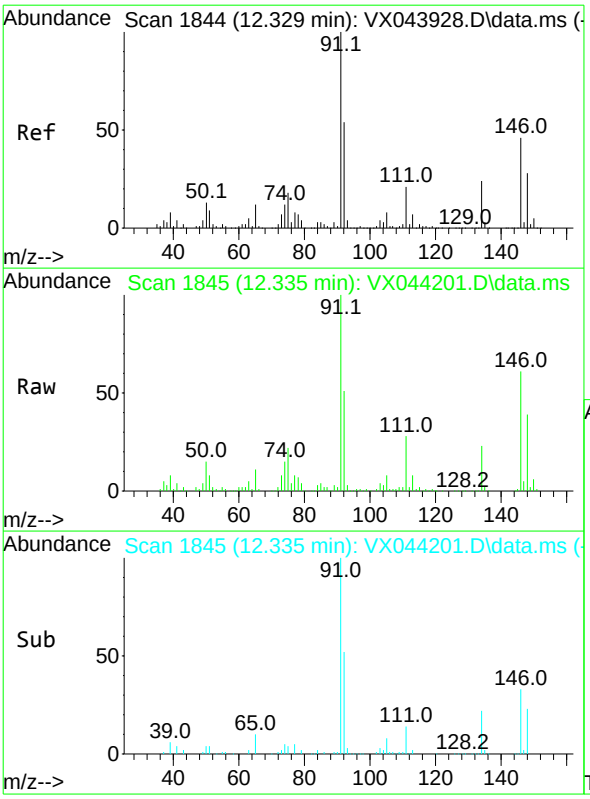


#88
1,4-Dichlorobenzene
Concen: 19.356 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion:146 Resp: 66782

Ion	Ratio	Lower	Upper
146	100		
111	42.5	20.1	60.3
148	61.3	30.9	92.8





#89
n-Butylbenzene
Concen: 19.527 ug/l
RT: 12.335 min Scan# 18
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

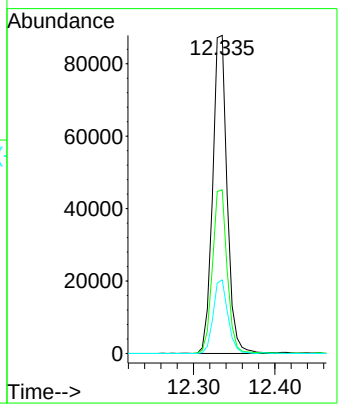
Tgt Ion: 91 Resp: 108826

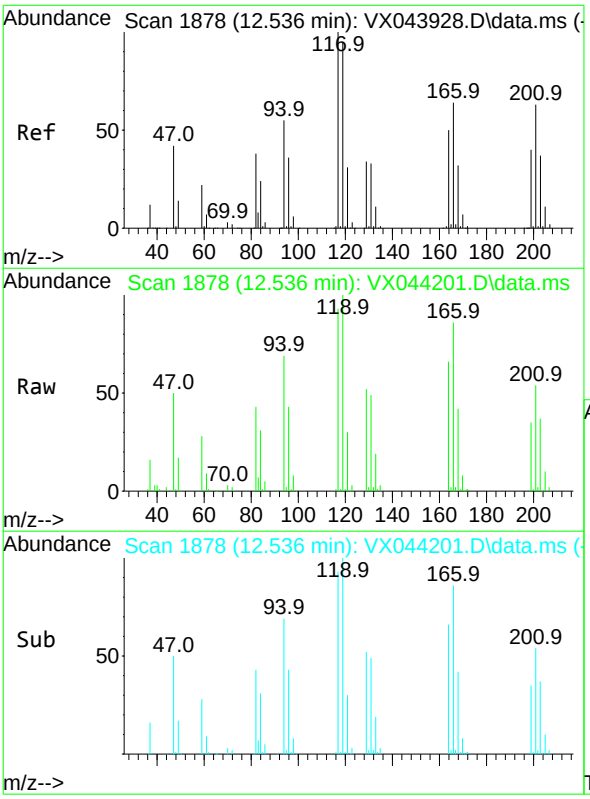
Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.6	79.8
134	23.3	12.4	37.2

Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

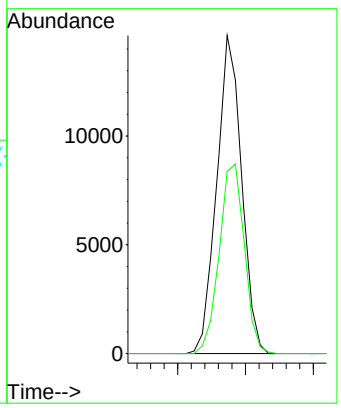


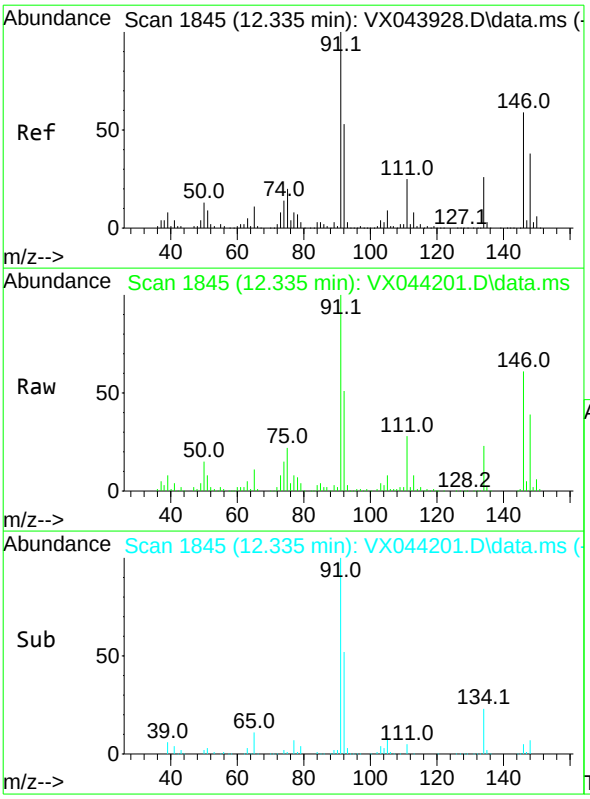


#90
Hexachloroethane
Concen: 17.319 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion:117 Resp: 18615

Ion	Ratio	Lower	Upper
117	100		
201	60.3	32.4	97.0





#91
1,2-Dichlorobenzene
Concen: 19.674 ug/l
RT: 12.335 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

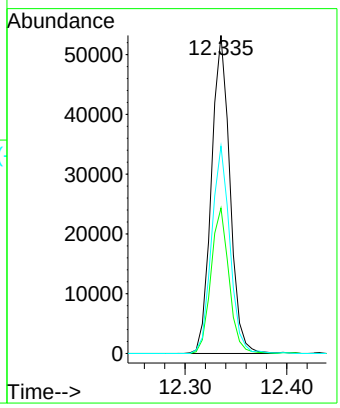
Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

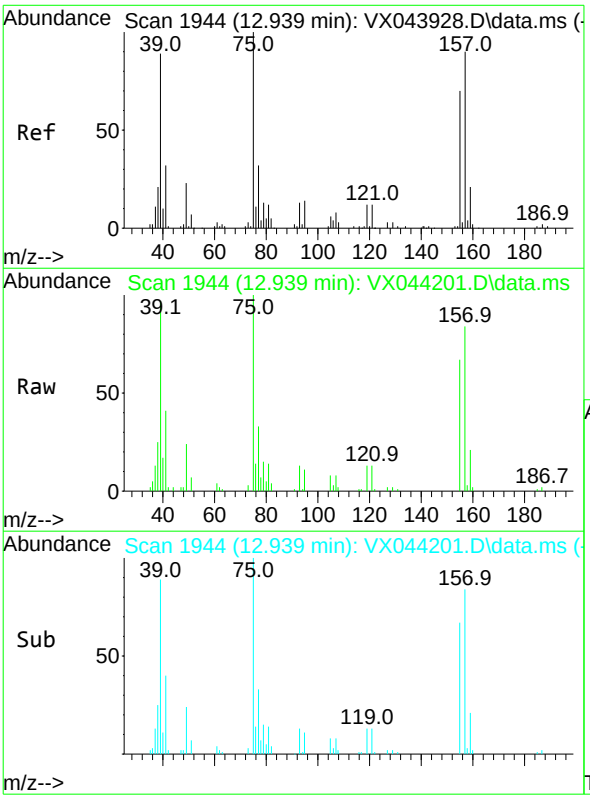
Tgt Ion:146 Resp: 67188

Ion	Ratio	Lower	Upper
146	100		
111	44.4	21.5	64.5
148	64.7	31.9	95.5

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

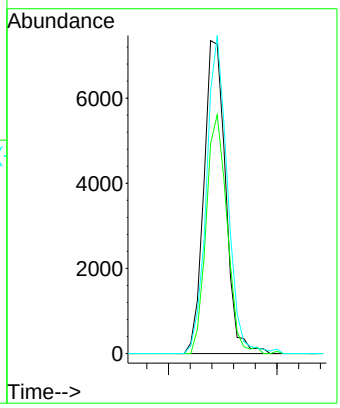


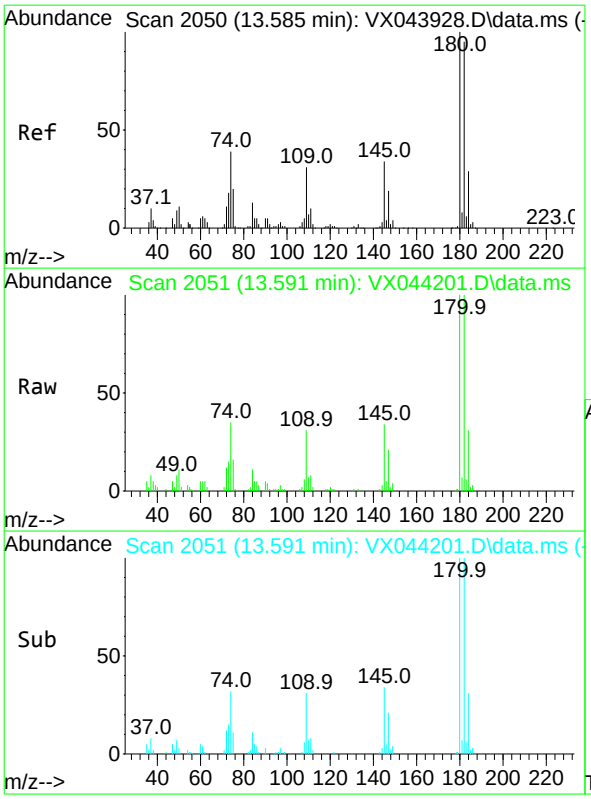


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.080 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 75 Resp: 10196

Ion	Ratio	Lower	Upper
75	100		
155	73.4	40.1	120.2
157	98.5	49.6	149.0

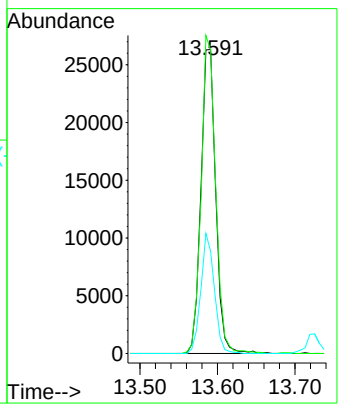




#93
1,2,4-Trichlorobenzene
Concen: 17.372 ug/l
RT: 13.591 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion:180 Resp: 34977

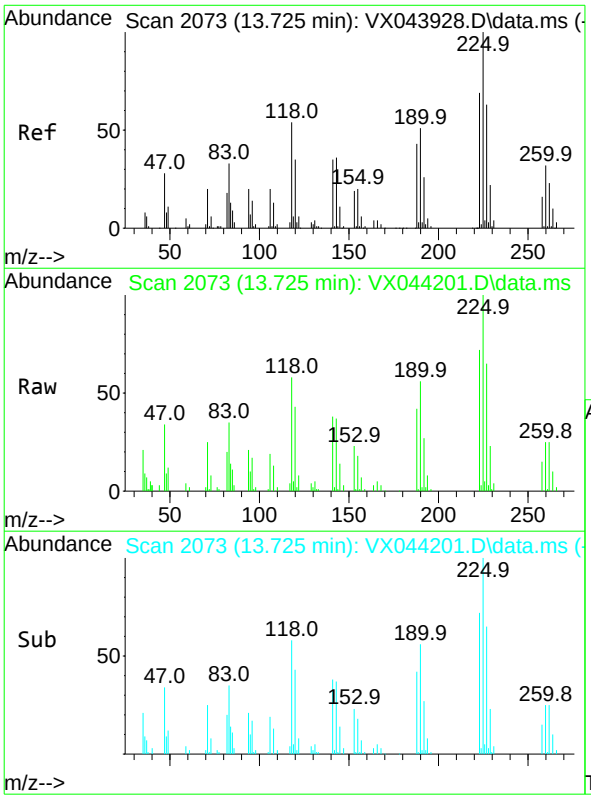
Ion	Ratio	Lower	Upper
180	100		
182	102.2	48.0	144.2
145	35.9	16.8	50.4



Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

Manual Integrations
APPROVED

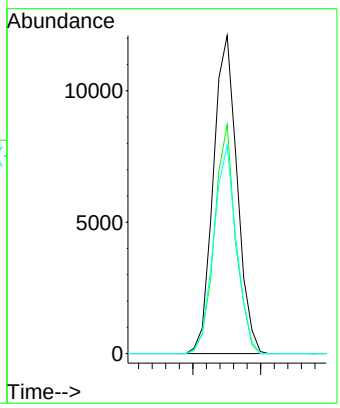
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

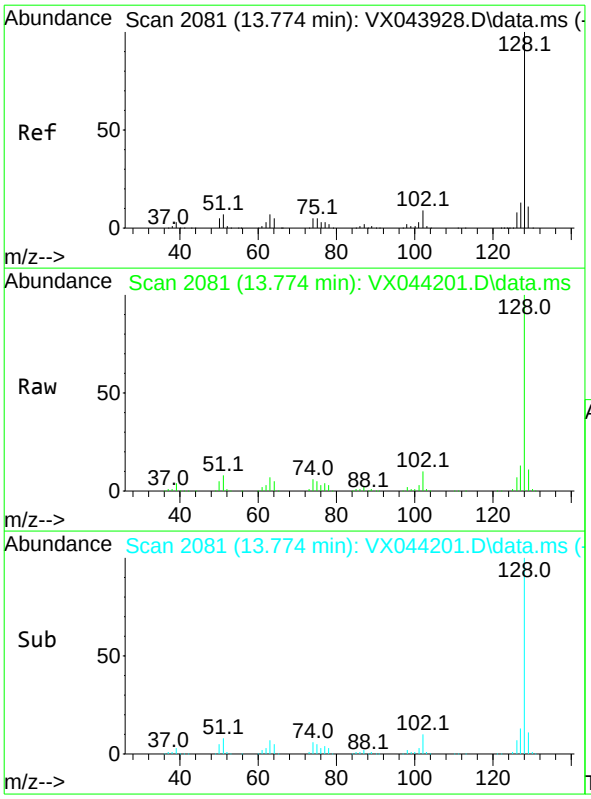


#94
Hexachlorobutadiene
Concen: 18.576 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion:225 Resp: 14782

Ion	Ratio	Lower	Upper
225	100		
223	64.1	32.9	98.6
227	62.7	31.6	94.8

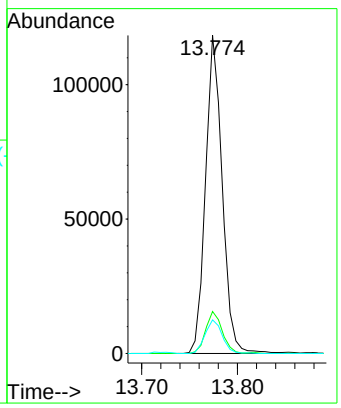




#95
Naphthalene
Concen: 19.744 ug/l
RT: 13.774 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion:128 Resp: 143097

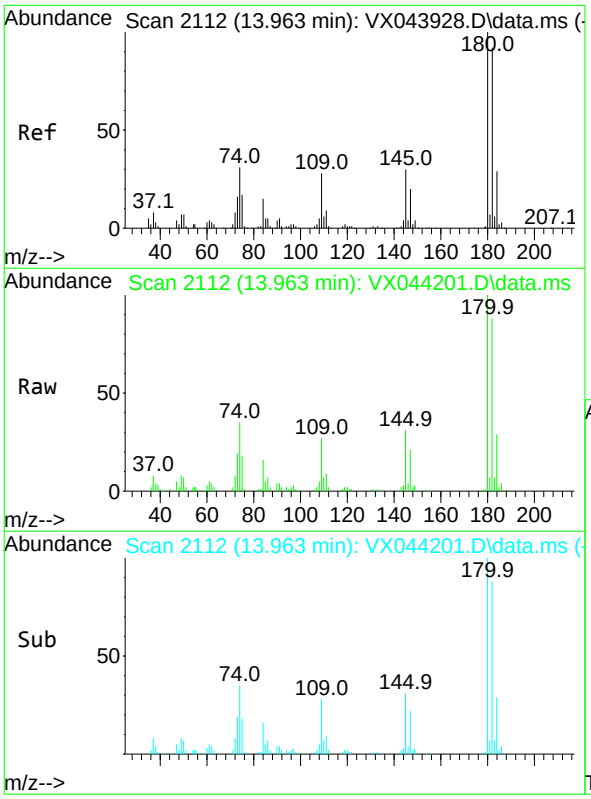
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.2
129	10.9	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

Manual Integrations
APPROVED

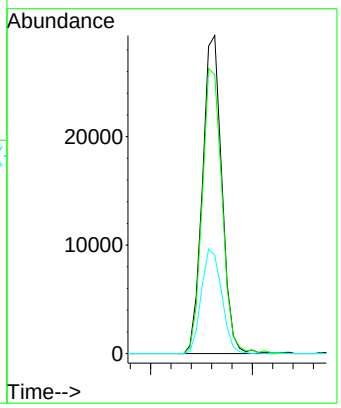
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024



#96
1,2,3-Trichlorobenzene
Concen: 19.036 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion:180 Resp: 38793

Ion	Ratio	Lower	Upper
180	100		
182	91.6	45.6	136.8
145	34.5	16.4	49.4



Raw Data: **VX044194.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX1209WBSD01	SDG No.:	P5164
Lab Sample ID:	VX1209WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044194.D	1		12/09/24 17:37	VX120924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	16.0		0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	18.1		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	18.3		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	21.0		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	25.4		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.8		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.3		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.1		0.26	0.75	1.00	ug/L
67-64-1	Acetone	100		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	13.8		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	21.9		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	21.5		0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	19.9		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.5		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	18.8		1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	110		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.4		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	21.3		0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	18.9		0.18	0.50	1.00	ug/L
67-66-3	Chloroform	22.3		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	21.3		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	18.4		0.19	0.50	1.00	ug/L
71-43-2	Benzene	20.2		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.5		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	17.9		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.0		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	20.4		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.75	2.50	5.00	ug/L
108-88-3	Toluene	20.8		0.18	0.50	1.00	ug/L

Raw Data: **VX044194.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX1209WBSD01	SDG No.:	P5164
Lab Sample ID:	VX1209WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044194.D	1		12/09/24 17:37	VX120924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.8		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.2		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.5		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	120		1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	19.8		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	21.3		0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	19.6		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	20.0		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	20.9		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	41.4		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	21.3		0.14	0.50	1.00	ug/L
100-42-5	Styrene	21.1		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	17.5		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	21.9		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	22.2		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	21.3		0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.7		0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.4		0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.0		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	52.0		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	50.9		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.8		85 - 114		108%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	136000	5.55				
540-36-3	1,4-Difluorobenzene	249000	6.757				
3114-55-4	Chlorobenzene-d5	216000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	96600	12.024				

Raw Data: **VX044194.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX1209WBSD01	SDG No.:	P5164
Lab Sample ID:	VX1209WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044194.D	1		12/09/24 17:37	VX120924

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: **VX044194.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044194.D
Acq On : 09 Dec 2024 17:37
Operator : JC/MD
Sample : VX1209WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 10 01:46:40 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 :
VX1209WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	135757	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.757	114	248673	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	215697	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96570	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	129787	55.739	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.480%			
35) Dibromofluoromethane	5.379	113	92471	52.041	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.080%			
50) Toluene-d8	8.647	98	311560	50.866	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.740%			
62) 4-Bromofluorobenzene	11.079	95	112080	53.767	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.540%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	27509	15.995	ug/l	98
3) Chloromethane	1.294	50	32755	18.099	ug/l	98
4) Vinyl Chloride	1.374	62	35273	18.324	ug/l	99
5) Bromomethane	1.593	94	24857	20.990	ug/l	94
6) Chloroethane	1.666	64	29761	25.373	ug/l	99
7) Trichlorofluoromethane	1.867	101	68304	19.847	ug/l	99
8) Diethyl Ether	2.136	74	27655	22.047	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.313	101	30116	18.345	ug/l	99
10) Methyl Iodide	2.441	142	41292	20.140	ug/l	98
11) Tert butyl alcohol	2.989	59	38441	102.855	ug/l	99
12) 1,1-Dichloroethene	2.306	96	29889	19.107	ug/l	98
13) Acrolein	2.233	56	32283	81.950	ug/l	96
14) Allyl chloride	2.660	41	50978	19.944	ug/l	97
15) Acrylonitrile	3.068	53	100479	110.322	ug/l	99
16) Acetone	2.386	43	109503	102.392	ug/l	99
17) Carbon Disulfide	2.502	76	44433	13.770	ug/l	96
18) Methyl Acetate	2.709	43	53505	21.484	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	124639	21.944	ug/l	95
20) Methylene Chloride	2.782	84	36188	19.940	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	31501	19.504	ug/l	96
22) Diisopropyl ether	3.763	45	120480	22.043	ug/l	95
23) Vinyl Acetate	3.721	43	499223	106.772	ug/l	100
24) 1,1-Dichloroethane	3.605	63	66871	21.208	ug/l	99
25) 2-Butanone	4.568	43	154107	111.678	ug/l	100
26) 2,2-Dichloropropane	4.471	77	57084	20.046	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	42493	21.285	ug/l	98
28) Bromochloromethane	4.897	49	26209	18.884	ug/l	95
29) Tetrahydrofuran	5.007	42	95322	112.677	ug/l	98
30) Chloroform	5.093	83	75775	22.344	ug/l	93
31) Cyclohexane	5.464	56	48818	18.811	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	62168	21.257	ug/l	99
36) 1,1-Dichloropropene	5.690	75	43925	19.838	ug/l	97
37) Ethyl Acetate	4.721	43	57613	20.961	ug/l	100
38) Carbon Tetrachloride	5.678	117	48162	19.358	ug/l	97
39) Methylcyclohexane	7.379	83	52919	18.397	ug/l	94
40) Benzene	6.031	78	139613	20.242	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044194.D
Acq On : 09 Dec 2024 17:37
Operator : JC/MD
Sample : VX1209WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 10 01:46:40 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 :
VX1209WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.922	41	32217	22.901 ug/l		95
42) 1,2-Dichloroethane	6.086	62	59522	21.488 ug/l		99
43) Isopropyl Acetate	6.342	43	93678	21.416 ug/l		99
44) Trichloroethene	7.123	130	35012	17.932 ug/l		98
45) 1,2-Dichloropropane	7.427	63	33709	19.955 ug/l		97
46) Dibromomethane	7.580	93	28564	21.376 ug/l		98
47) Bromodichloromethane	7.818	83	48783	20.355 ug/l		99
48) Methyl methacrylate	7.696	41	43383	20.669 ug/l		99
49) 1,4-Dioxane	7.665	88	11689	312.640 ug/l	#	61
51) 4-Methyl-2-Pentanone	8.574	43	302094	113.171 ug/l		99
52) Toluene	8.714	92	85899	20.808 ug/l		100
53) t-1,3-Dichloropropene	8.976	75	48298	19.762 ug/l		98
54) cis-1,3-Dichloropropene	8.366	75	54145	20.209 ug/l		96
55) 1,1,2-Trichloroethane	9.153	97	36713	21.544 ug/l		97
56) Ethyl methacrylate	9.116	69	59083	22.260 ug/l		98
57) 1,3-Dichloropropane	9.305	76	62674	21.833 ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	127295	86.855 ug/l		99
59) 2-Hexanone	9.433	43	231547	115.407 ug/l		99
60) Dibromochloromethane	9.519	129	33874	19.812 ug/l		99
61) 1,2-Dibromoethane	9.610	107	36670	21.281 ug/l		98
64) Tetrachloroethene	9.275	164	27824	19.563 ug/l		98
65) Chlorobenzene	10.079	112	94932	20.039 ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.165	131	32146	20.923 ug/l		100
67) Ethyl Benzene	10.195	91	167658	20.886 ug/l		99
68) m/p-Xylenes	10.299	106	123887	41.384 ug/l		100
69) o-Xylene	10.640	106	62326	21.324 ug/l		99
70) Styrene	10.652	104	101812	21.061 ug/l		98
71) Bromoform	10.799	173	18740	17.454 ug/l	#	99
73) Isopropylbenzene	10.963	105	162841	21.937 ug/l		99
74) N-amyl acetate	10.841	43	76764	22.323 ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	56343	22.167 ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	46519m	21.966 ug/l		
77) Bromobenzene	11.195	156	38424	21.699 ug/l		100
78) n-propylbenzene	11.305	91	177942	21.463 ug/l		98
79) 2-Chlorotoluene	11.360	91	113558	21.661 ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	133542	21.866 ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	13581	17.499 ug/l	#	85
82) 4-Chlorotoluene	11.451	91	128085	21.641 ug/l		99
83) tert-Butylbenzene	11.713	119	134832	22.274 ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	134709	22.155 ug/l		98
85) sec-Butylbenzene	11.890	105	159764	21.541 ug/l		99
86) p-Isopropyltoluene	12.006	119	132697	22.027 ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	66585	20.645 ug/l		99
88) 1,4-Dichlorobenzene	12.042	146	65706	19.982 ug/l		95
89) n-Butylbenzene	12.329	91	110620	20.826 ug/l		99
90) Hexachloroethane	12.536	117	18756	18.309 ug/l		95
91) 1,2-Dichlorobenzene	12.335	146	69186	21.257 ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	10532	20.679 ug/l		93
93) 1,2,4-Trichlorobenzene	13.585	180	37178	19.375 ug/l		98
94) Hexachlorobutadiene	13.725	225	14835	19.561 ug/l		99
95) Naphthalene	13.774	128	149688	21.670 ug/l		99
96) 1,2,3-Trichlorobenzene	13.963	180	38872	20.014 ug/l		95

Sample Results: **VX044194.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044194.D
Acq On : 09 Dec 2024 17:37
Operator : JC/MD
Sample : VX1209WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

Quant Time: Dec 10 01:46:40 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

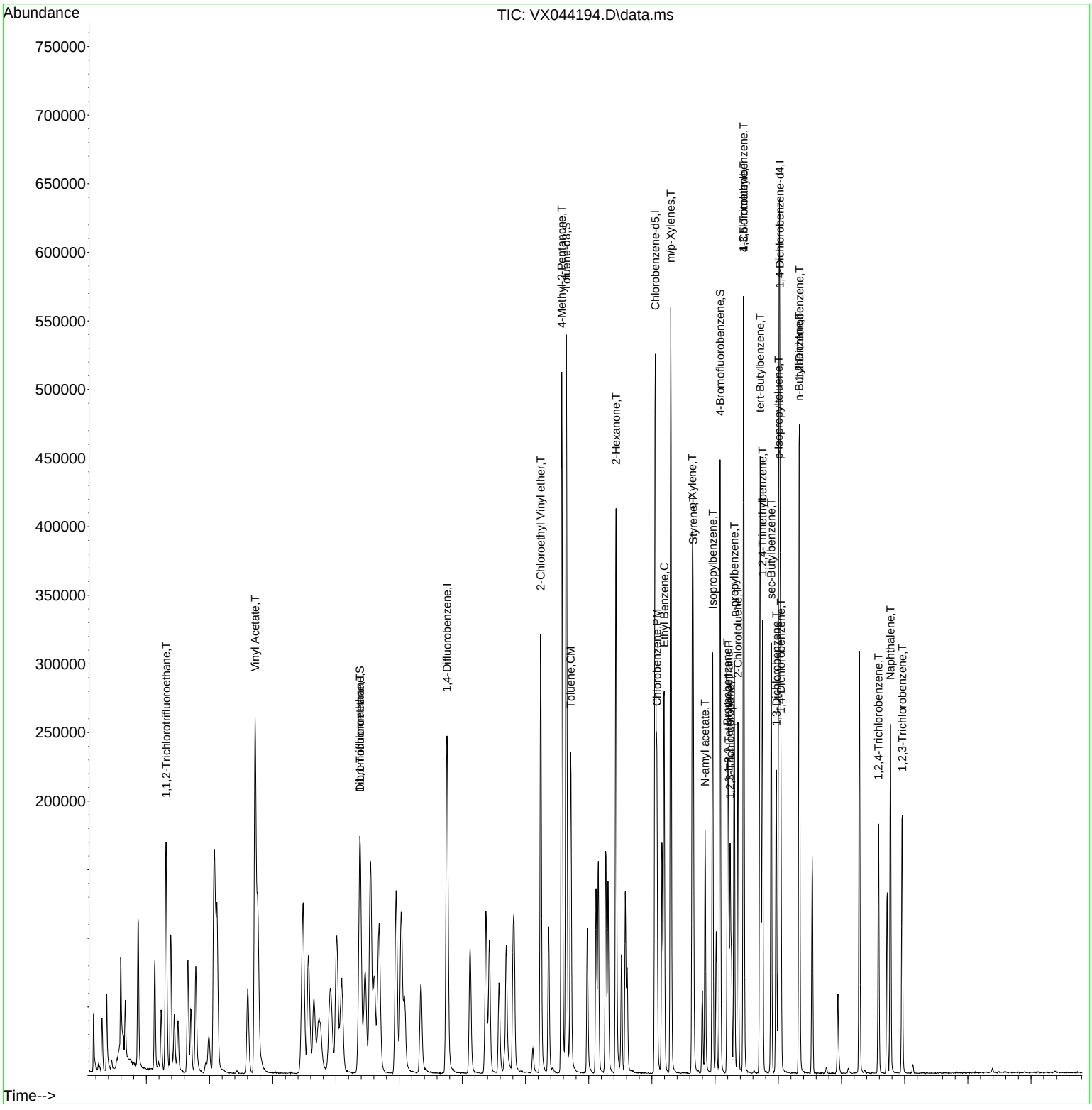
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044194.D
Acq On : 09 Dec 2024 17:37
Operator : JC/MD
Sample : VX1209WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

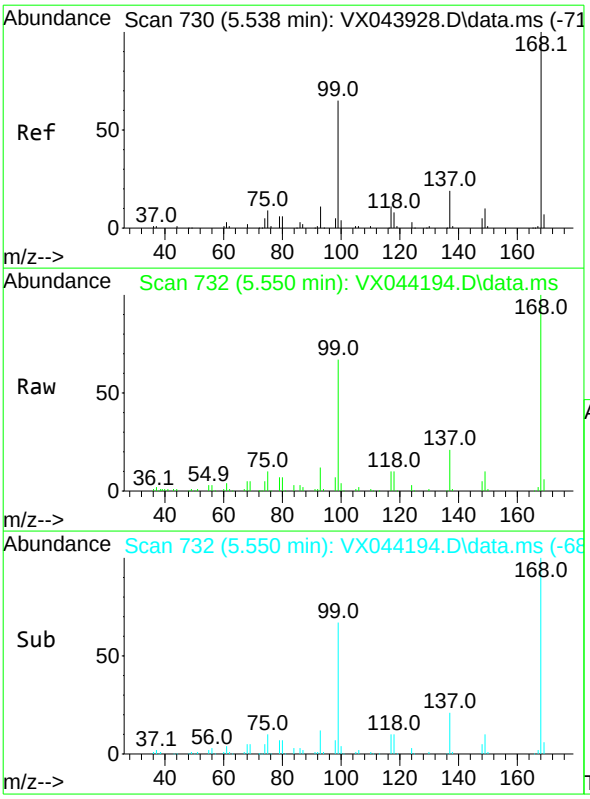
Quant Time: Dec 10 01:46:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

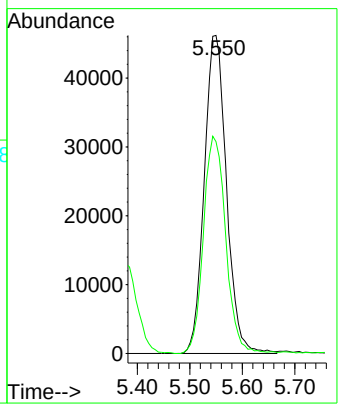




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. 0.012 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion:168 Resp: 135757

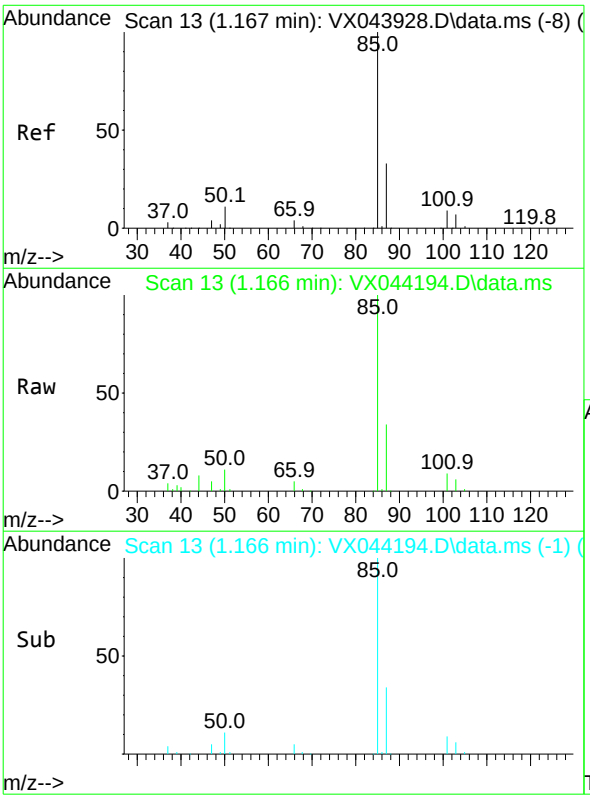
Ion	Ratio	Lower	Upper
168	100		
99	66.6	51.8	77.8



Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

Manual Integrations
APPROVED

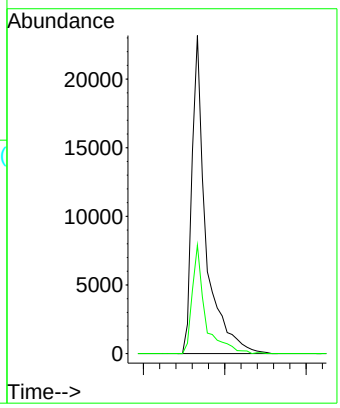
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

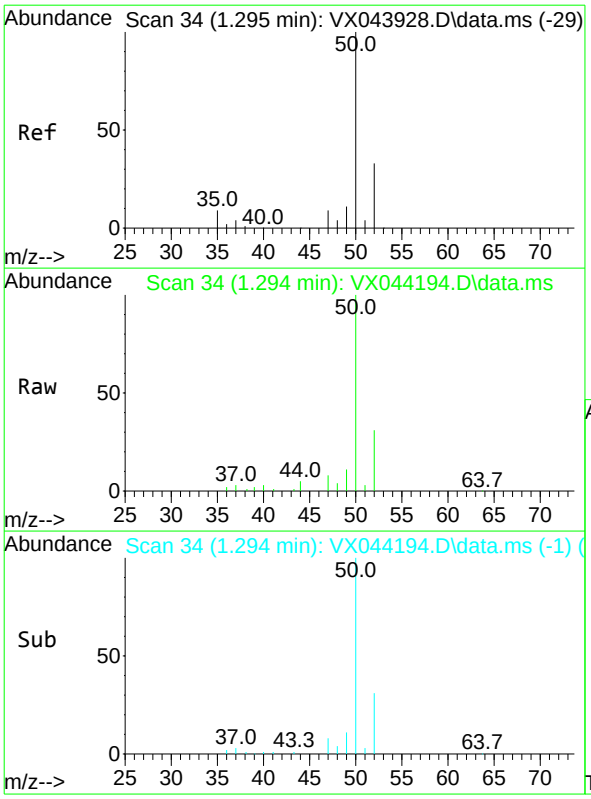


#2
Dichlorodifluoromethane
Concen: 15.995 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 85 Resp: 27509

Ion	Ratio	Lower	Upper
85	100		
87	34.1	16.6	49.8

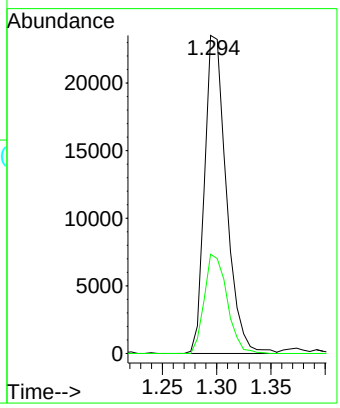




#3
Chloromethane
Concen: 18.099 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 50 Resp: 32755

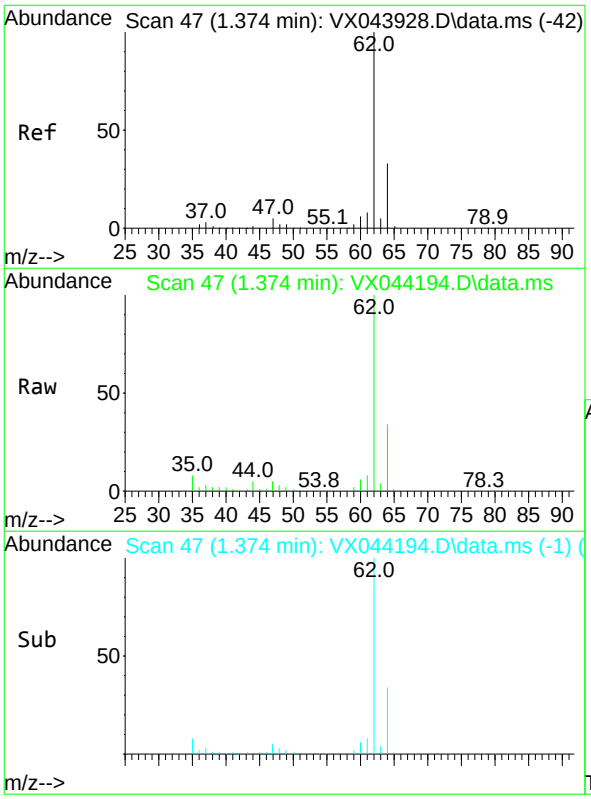
Ion	Ratio	Lower	Upper
50	100		
52	31.2	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

Manual Integrations
APPROVED

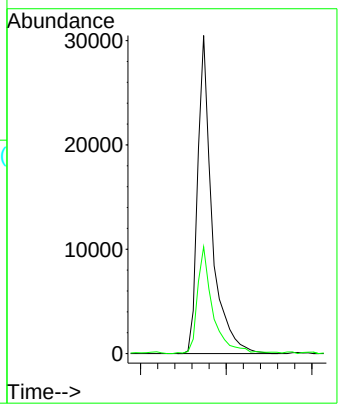
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

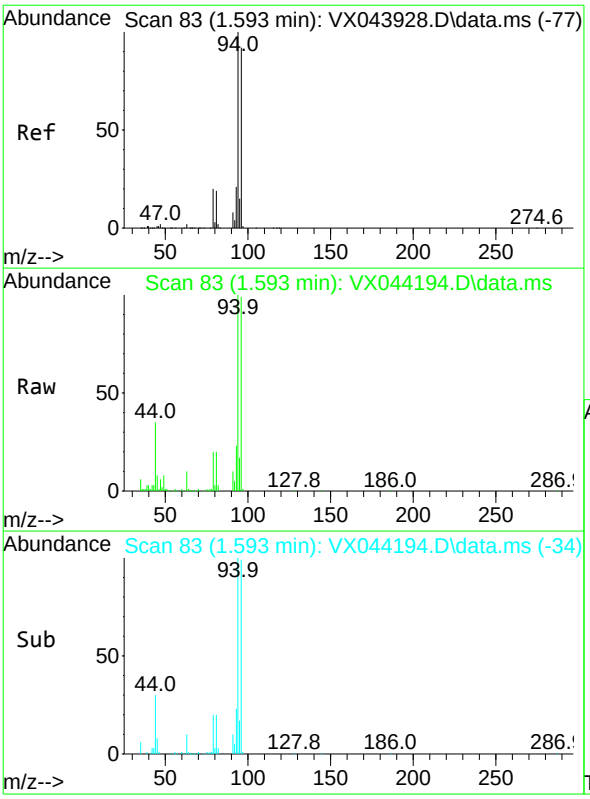


#4
Vinyl Chloride
Concen: 18.324 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 62 Resp: 35273

Ion	Ratio	Lower	Upper
62	100		
64	33.3	26.2	39.4

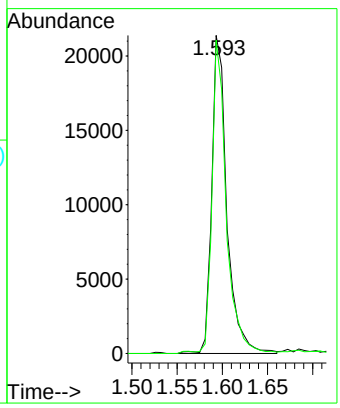




#5
Bromomethane
Concen: 20.990 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 94 Resp: 24857

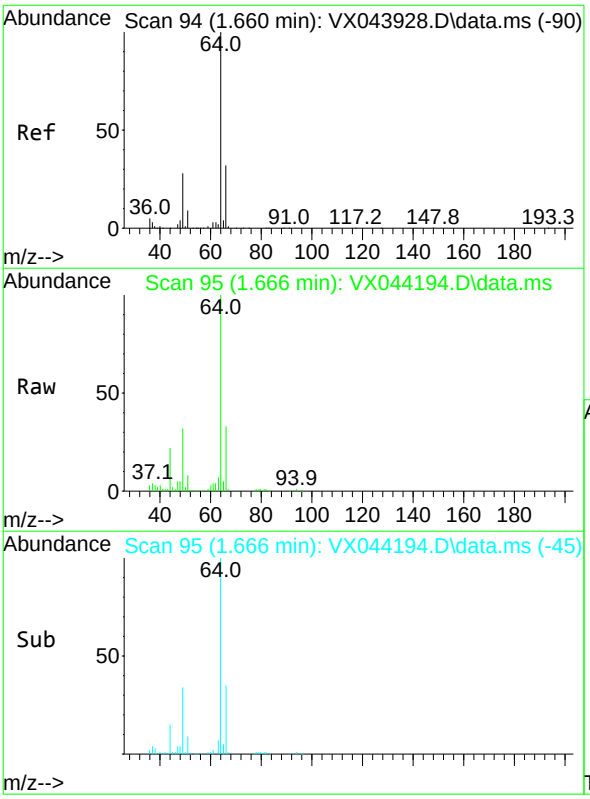
Ion	Ratio	Lower	Upper
94	100		
96	98.5	73.9	110.9



Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

Manual Integrations
APPROVED

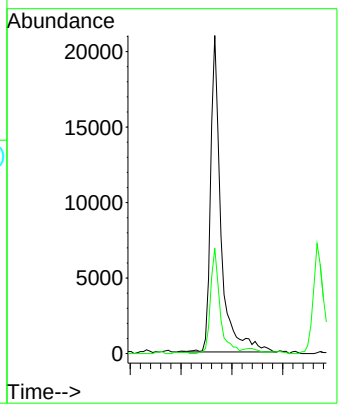
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

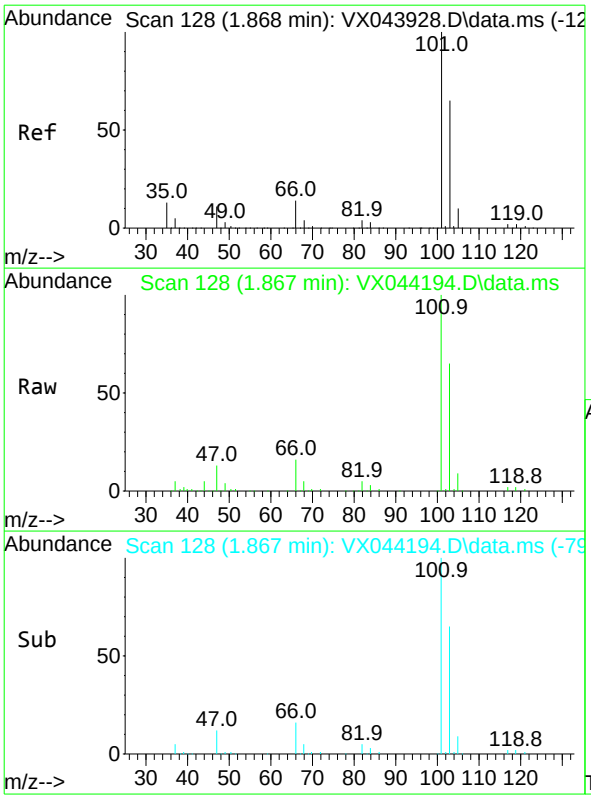


#6
Chloroethane
Concen: 25.373 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 64 Resp: 29761

Ion	Ratio	Lower	Upper
64	100		
66	32.9	25.9	38.9

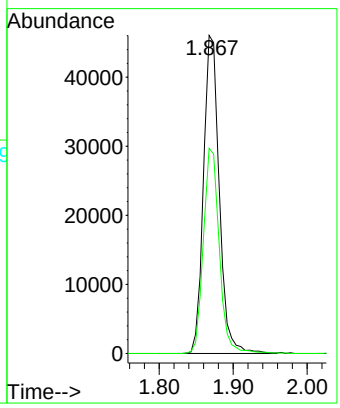




#7
Trichlorofluoromethane
Concen: 19.847 ug/l
RT: 1.867 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion:101 Resp: 68304

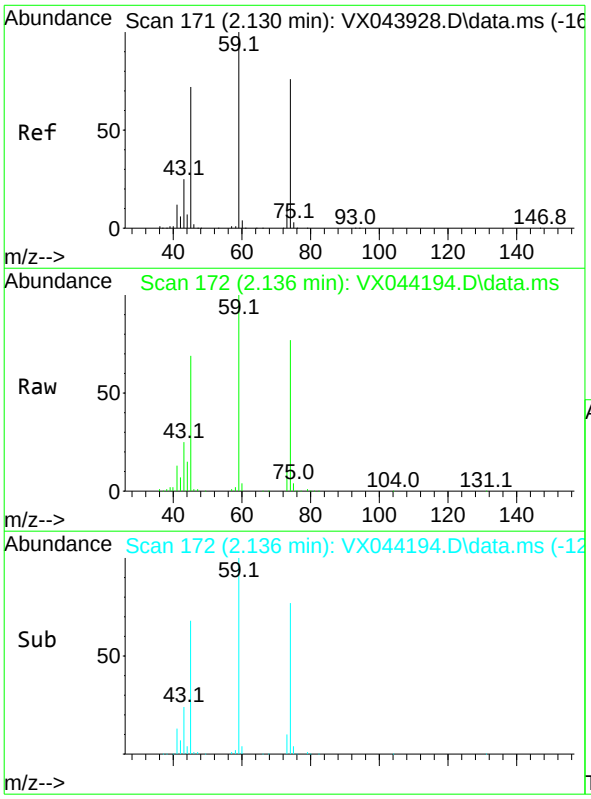
Ion	Ratio	Lower	Upper
101	100		
103	64.5	52.2	78.2



Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

Manual Integrations
APPROVED

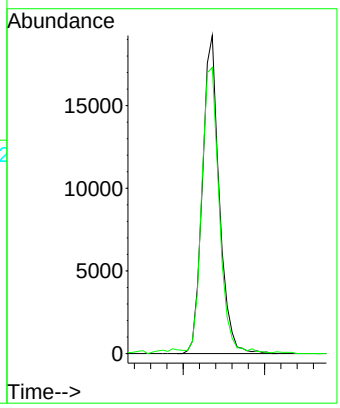
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

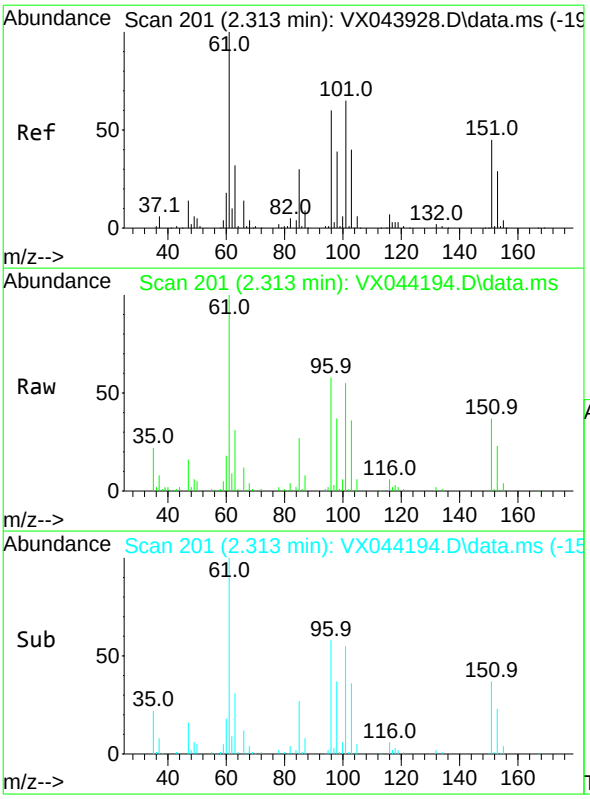


#8
Diethyl Ether
Concen: 22.047 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 74 Resp: 27655

Ion	Ratio	Lower	Upper
74	100		
45	92.8	47.9	143.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.345 ug/l
RT: 2.313 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

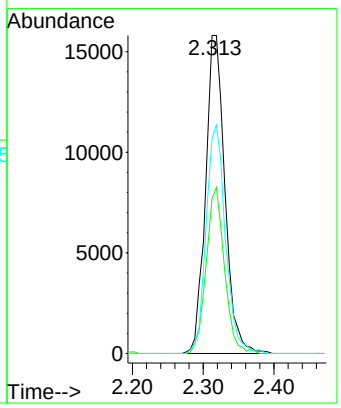
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

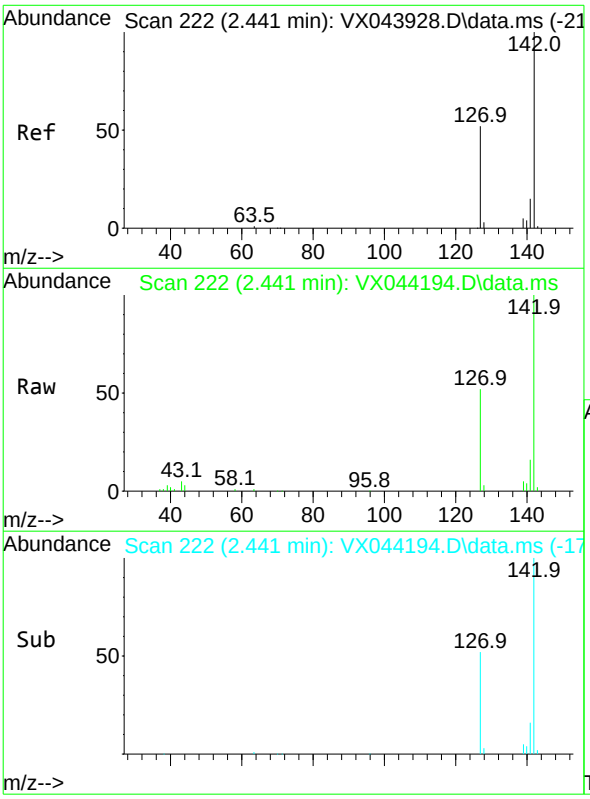
Tgt Ion:101 Resp: 30116

Ion	Ratio	Lower	Upper
101	100		
85	49.4	37.9	56.9
151	72.0	57.5	86.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

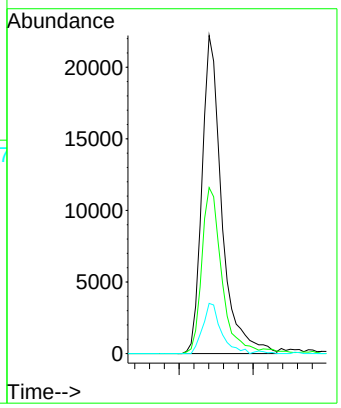


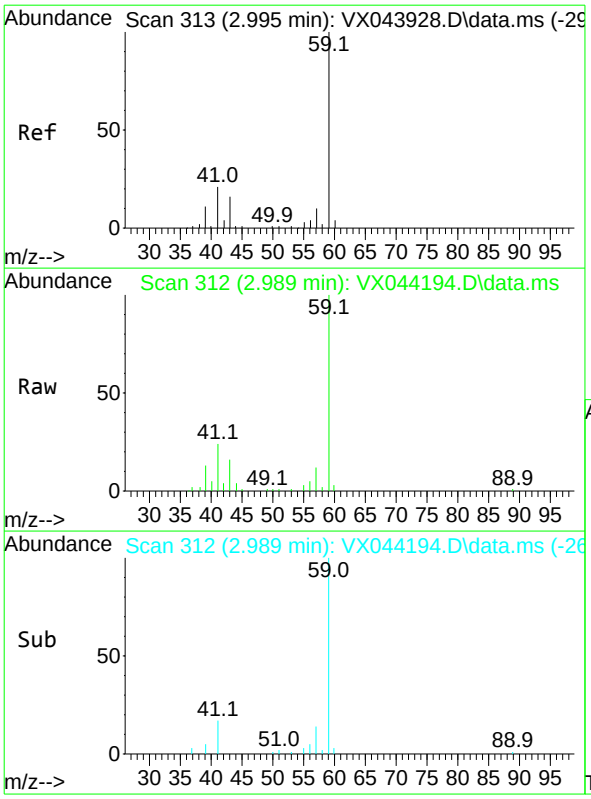


#10
Methyl Iodide
Concen: 20.140 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion:142 Resp: 41292

Ion	Ratio	Lower	Upper
142	100		
127	52.4	40.7	61.1
141	14.7	12.0	18.0





#11
Tert butyl alcohol
Concen: 102.855 ug/l
RT: 2.989 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

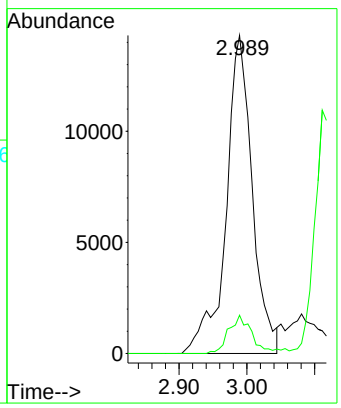
Tgt Ion: 59 Resp: 38441

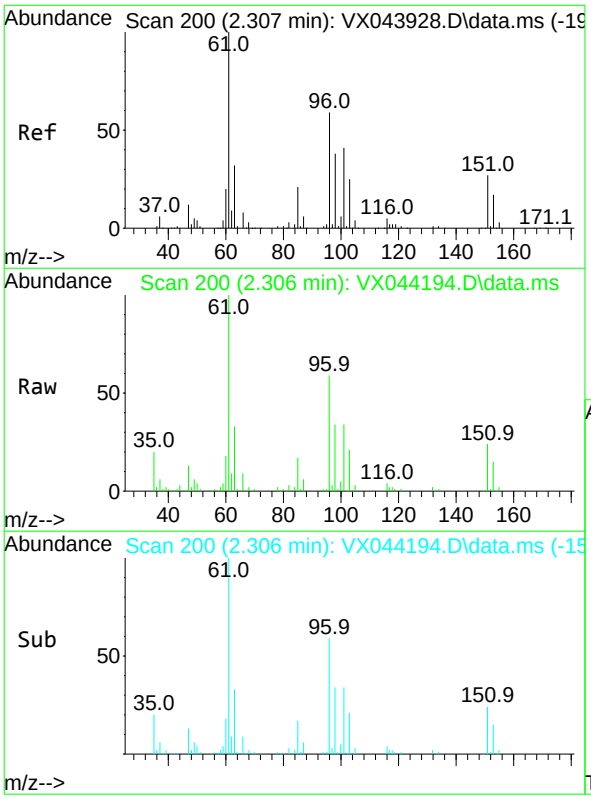
Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

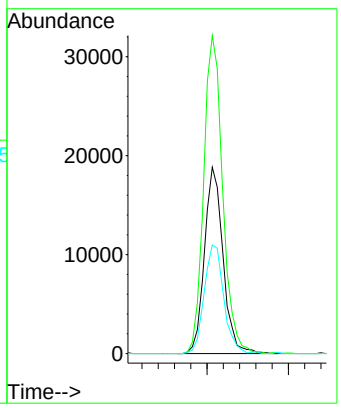


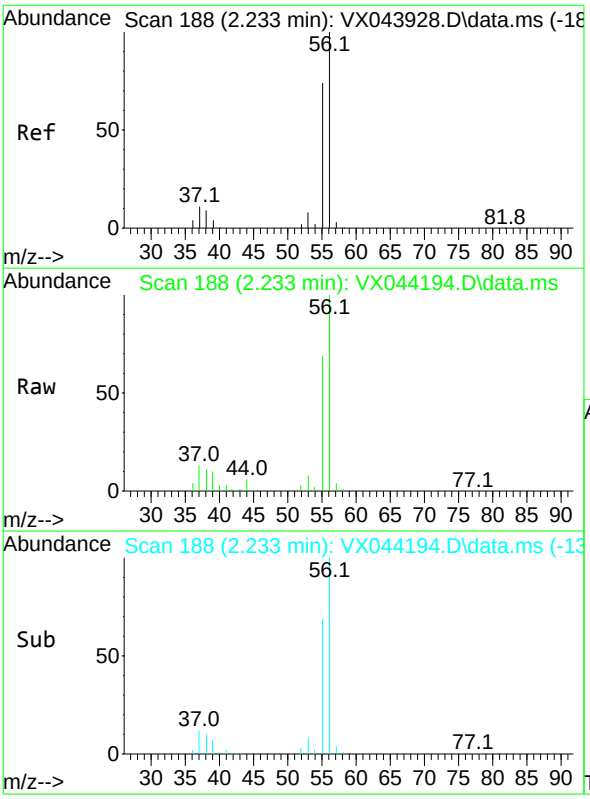


#12
1,1-Dichloroethene
Concen: 19.107 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 96 Resp: 29889

Ion	Ratio	Lower	Upper
96	100		
61	170.6	135.5	203.3
98	58.3	50.8	76.2

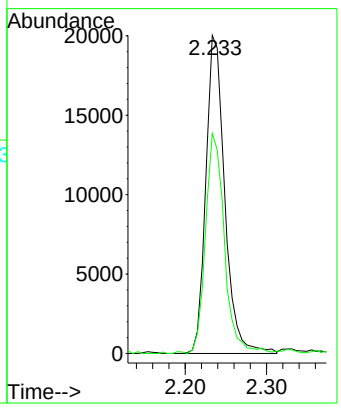




#13
Acrolein
Concen: 81.950 ug/l
RT: 2.233 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 56 Resp: 32283

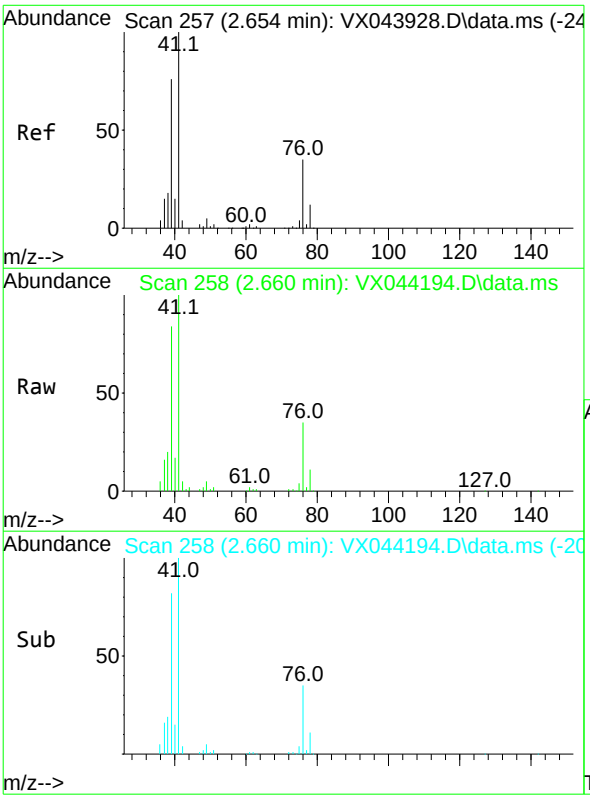
Ion	Ratio	Lower	Upper
56	100		
55	69.3	58.2	87.2



Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

Manual Integrations
APPROVED

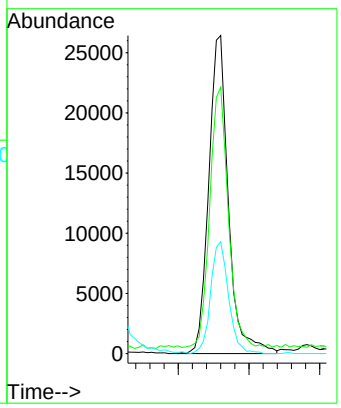
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

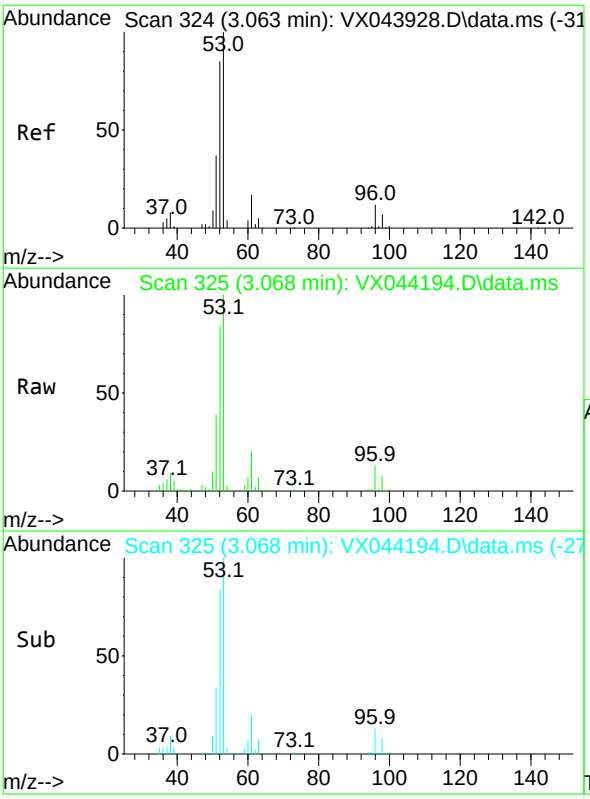


#14
Allyl chloride
Concen: 19.944 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 41 Resp: 50978

Ion	Ratio	Lower	Upper
41	100		
39	77.0	59.5	89.3
76	32.0	27.4	41.2

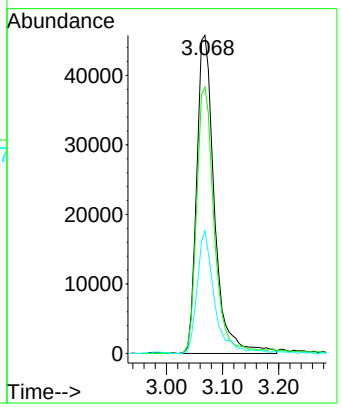




#15
Acrylonitrile
Concen: 110.322 ug/l
RT: 3.068 min Scan# 32
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 53 Resp: 100479

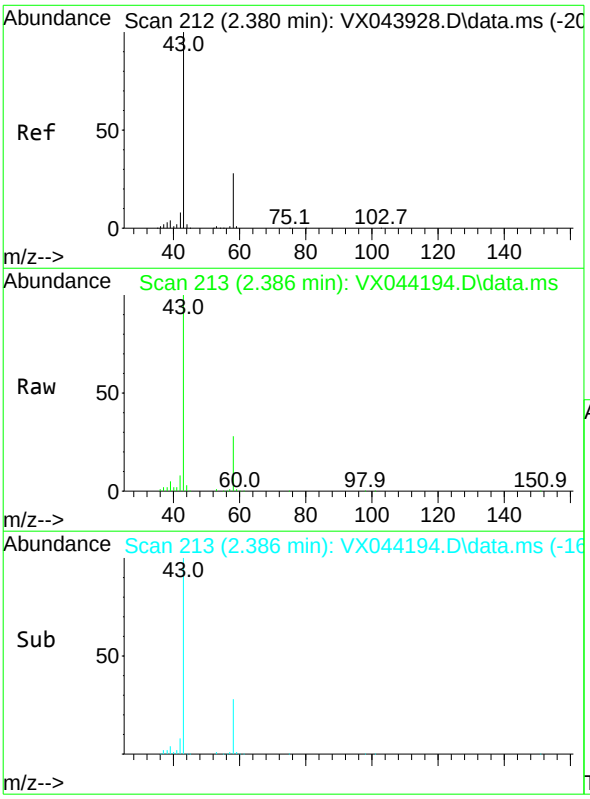
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.5	99.7
51	36.9	30.2	45.4



Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

Manual Integrations
APPROVED

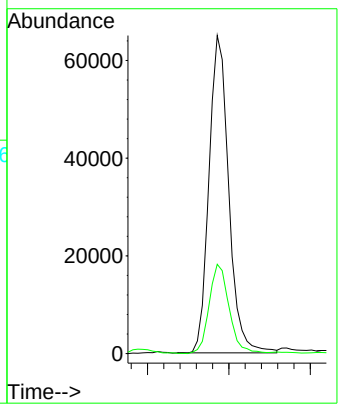
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

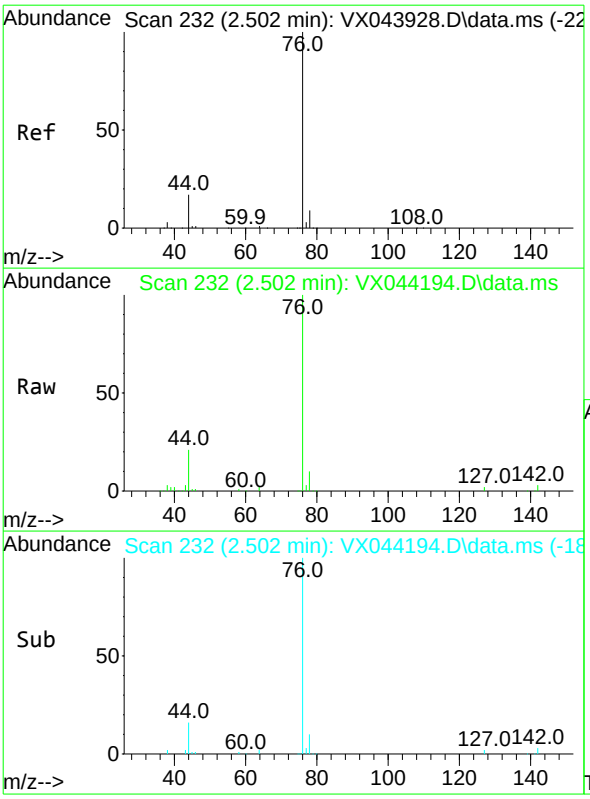


#16
Acetone
Concen: 102.392 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 43 Resp: 109503

Ion	Ratio	Lower	Upper
43	100		
58	28.1	22.7	34.1

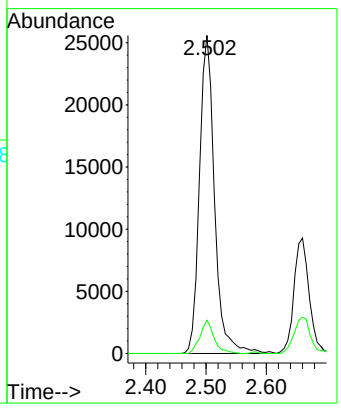




#17
Carbon Disulfide
Concen: 13.770 ug/l
RT: 2.502 min Scan# 23
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 76 Resp: 44433

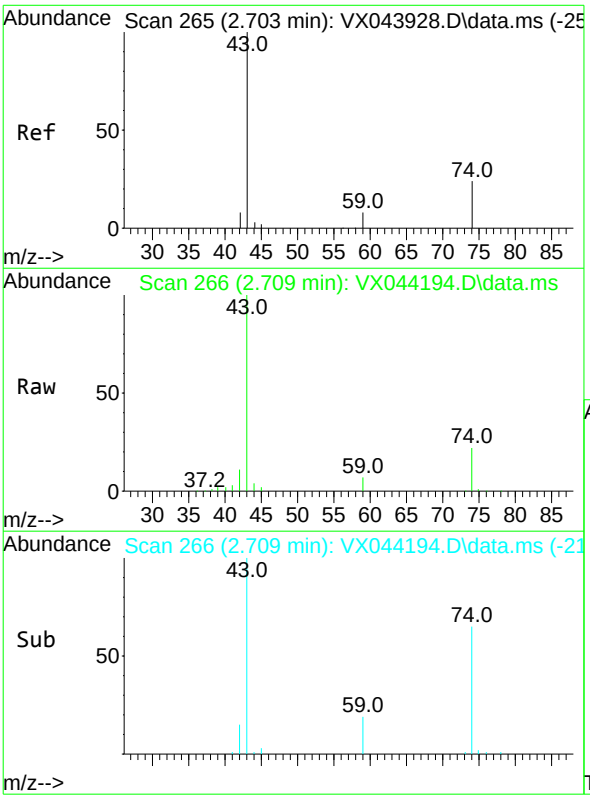
Ion	Ratio	Lower	Upper
76	100		
78	10.4	7.0	10.6



Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

Manual Integrations
APPROVED

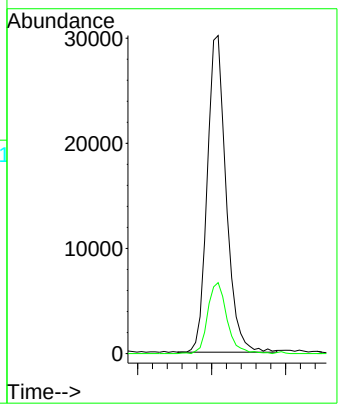
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

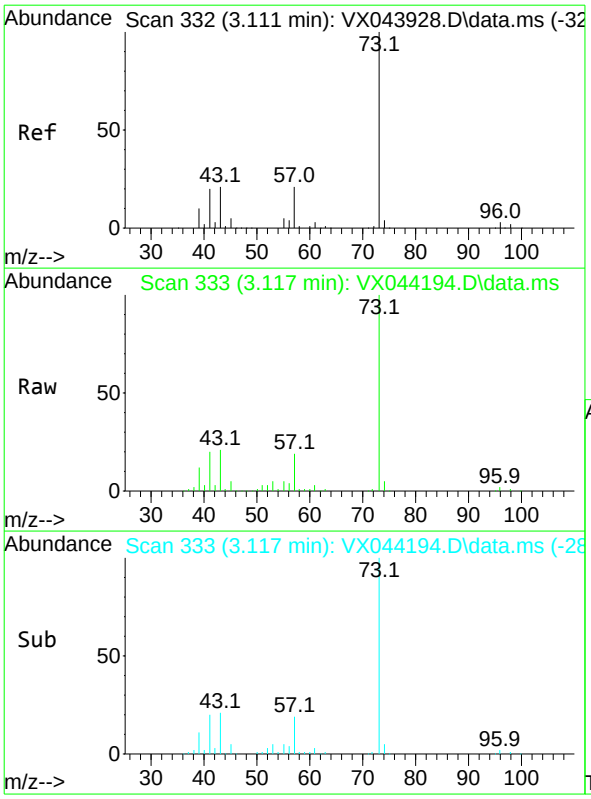


#18
Methyl Acetate
Concen: 21.484 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 43 Resp: 53505

Ion	Ratio	Lower	Upper
43	100		
74	22.8	18.9	28.3

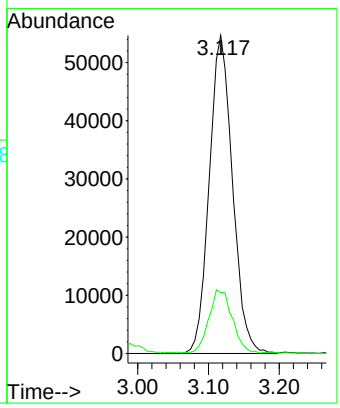




#19
Methyl tert-butyl Ether
Concen: 21.944 ug/l
RT: 3.117 min Scan# 33
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 73 Resp: 124639

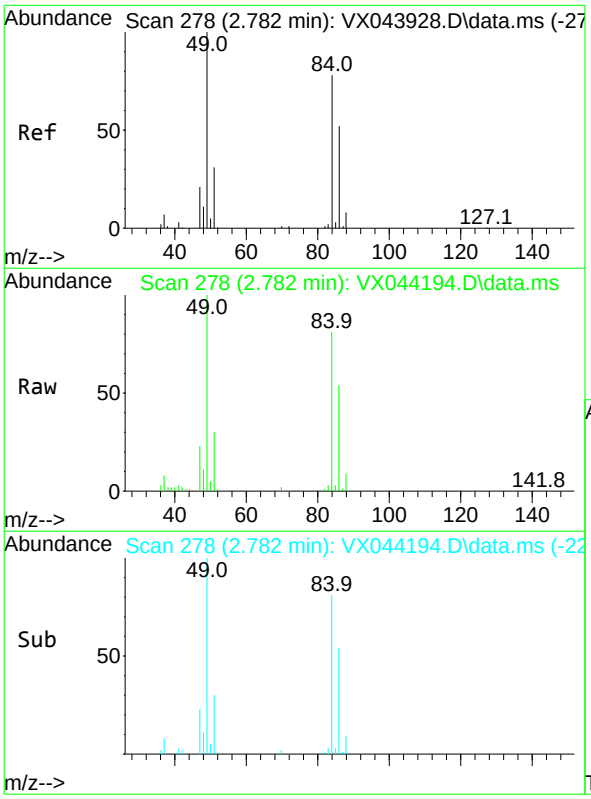
Ion	Ratio	Lower	Upper
73	100		
57	18.9	17.0	25.6



Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

Manual Integrations
APPROVED

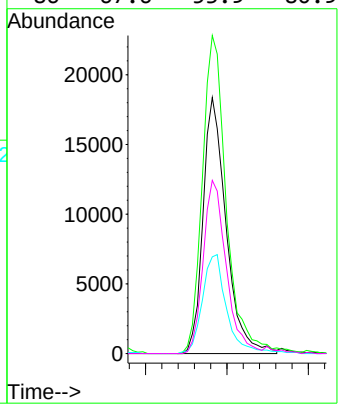
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

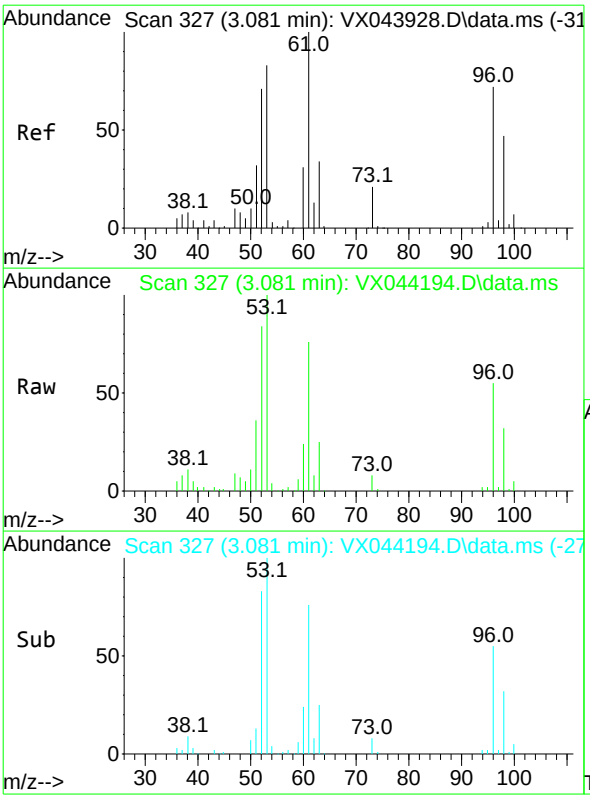


#20
Methylene Chloride
Concen: 19.940 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 84 Resp: 36188

Ion	Ratio	Lower	Upper
84	100		
49	124.2	102.7	154.1
51	37.8	31.7	47.5
86	67.6	53.9	80.9





#21
trans-1,2-Dichloroethene
Concen: 19.504 ug/l
RT: 3.081 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

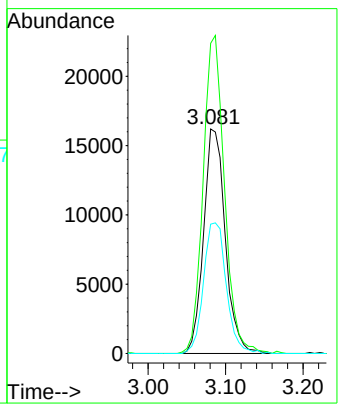
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

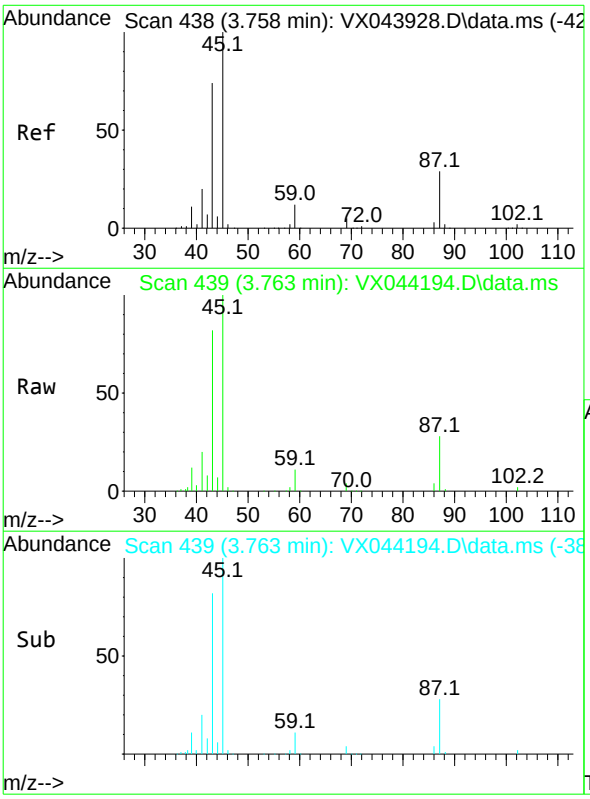
Tgt Ion: 96 Resp: 31501

Ion	Ratio	Lower	Upper
96	100		
61	138.2	111.8	167.6
98	57.6	52.7	79.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

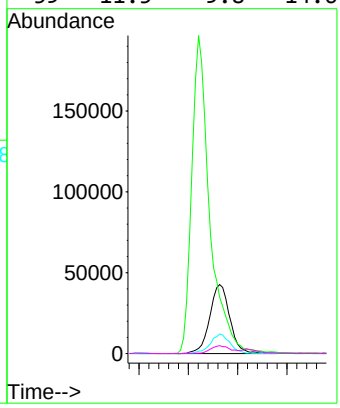


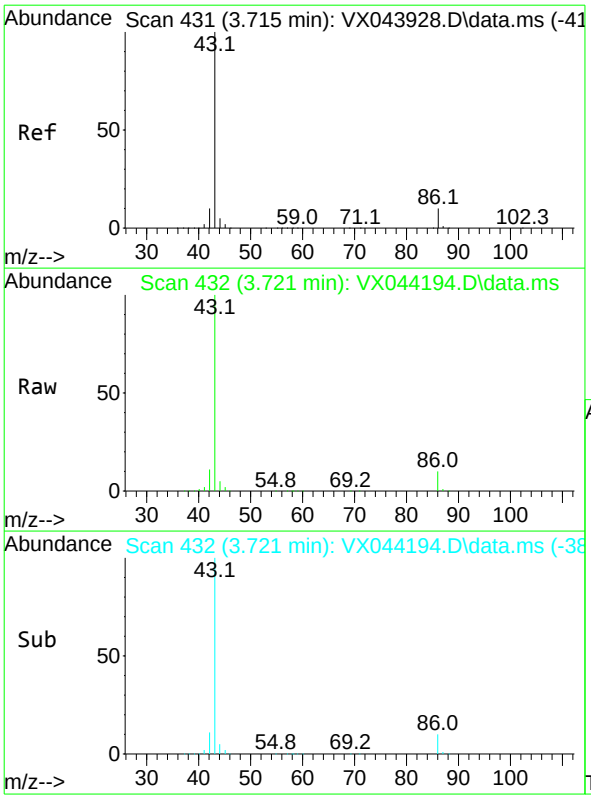


#22
Diisopropyl ether
Concen: 22.043 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 45 Resp: 120480

Ion	Ratio	Lower	Upper
45	100		
43	81.2	59.6	89.4
87	28.4	22.9	34.3
59	11.5	9.8	14.6

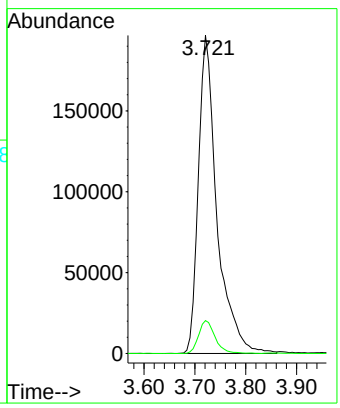




#23
Vinyl Acetate
Concen: 106.772 ug/l
RT: 3.721 min Scan# 43
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 43 Resp: 499223

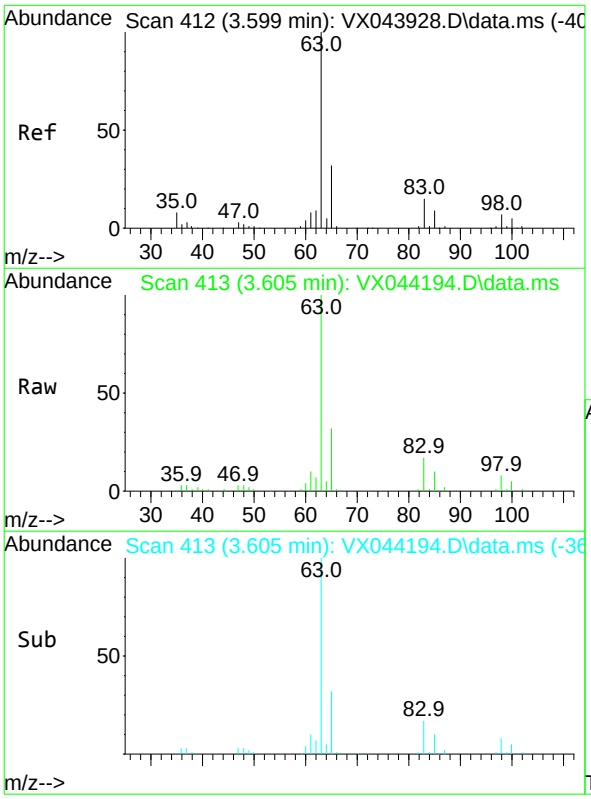
Ion	Ratio	Lower	Upper
43	100		
86	10.3	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

Manual Integrations
APPROVED

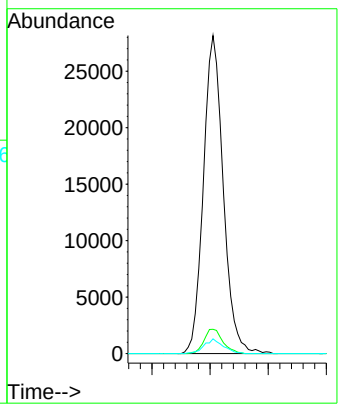
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

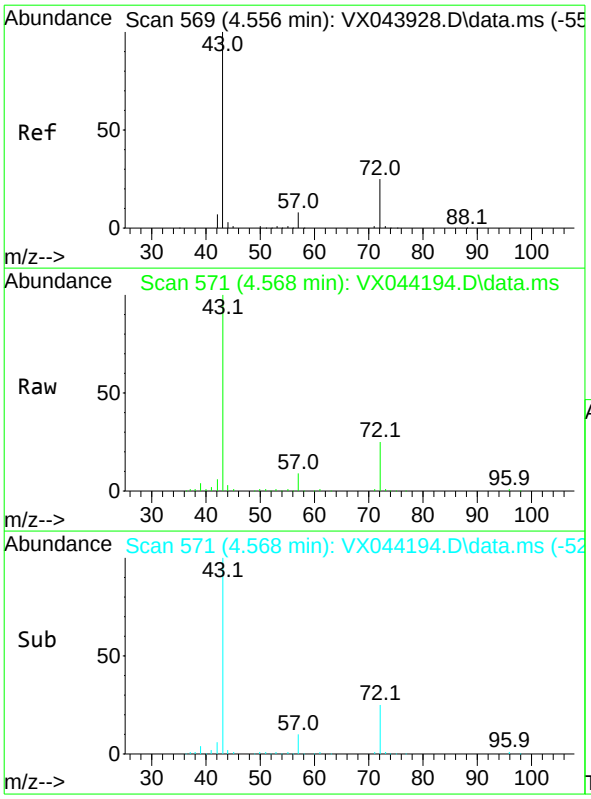


#24
1,1-Dichloroethane
Concen: 21.208 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 63 Resp: 66871

Ion	Ratio	Lower	Upper
63	100		
98	7.6	3.5	10.6
100	4.6	2.4	7.1





#25
2-Butanone
Concen: 111.678 ug/l
RT: 4.568 min Scan# 57
Delta R.T. 0.012 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

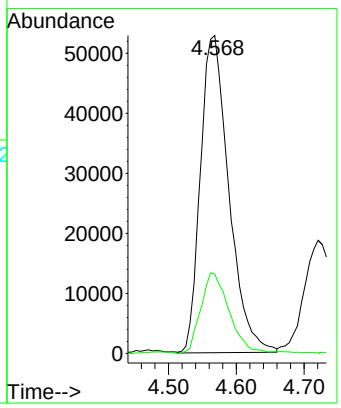
Tgt Ion: 43 Resp: 154107

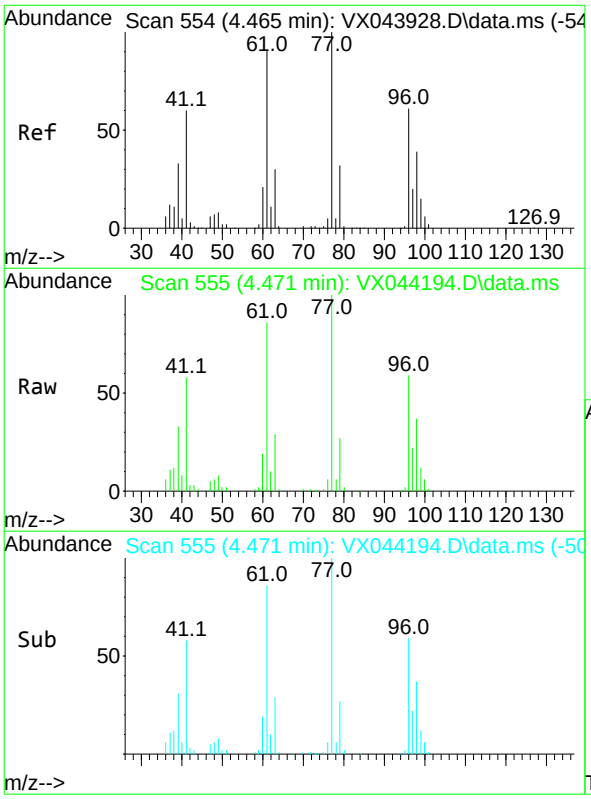
Ion	Ratio	Lower	Upper
43	100		
72	25.0	20.2	30.2

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

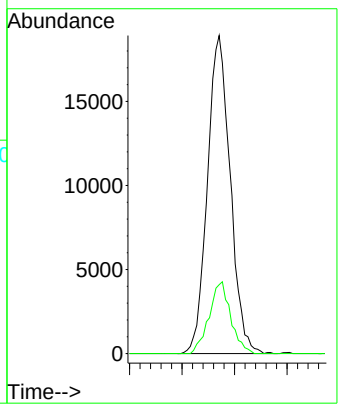


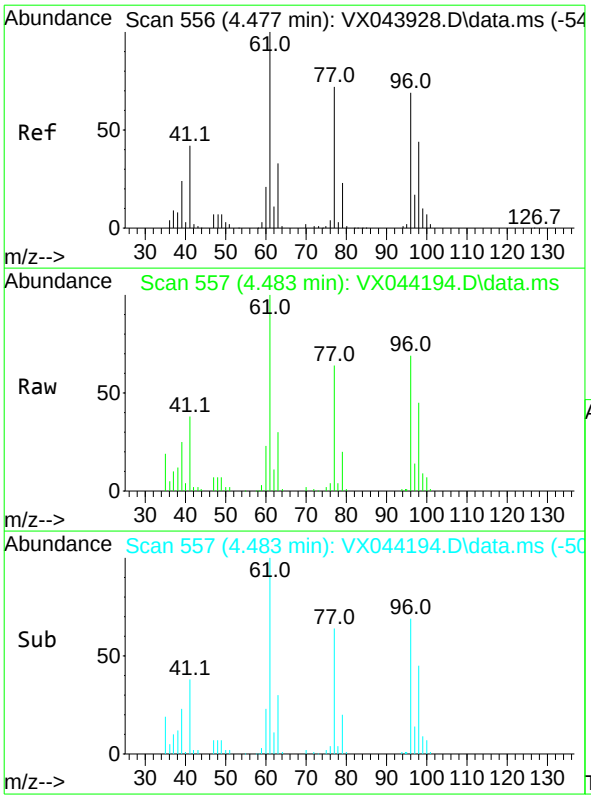


#26
2,2-Dichloropropane
Concen: 20.046 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 77 Resp: 57084

Ion	Ratio	Lower	Upper
77	100		
97	21.3	10.8	32.3





#27
cis-1,2-Dichloroethene
Concen: 21.285 ug/l
RT: 4.483 min Scan# 55
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

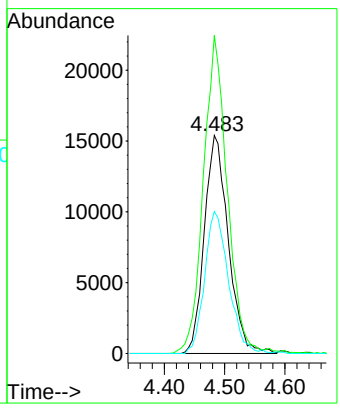
Tgt Ion: 96 Resp: 42493

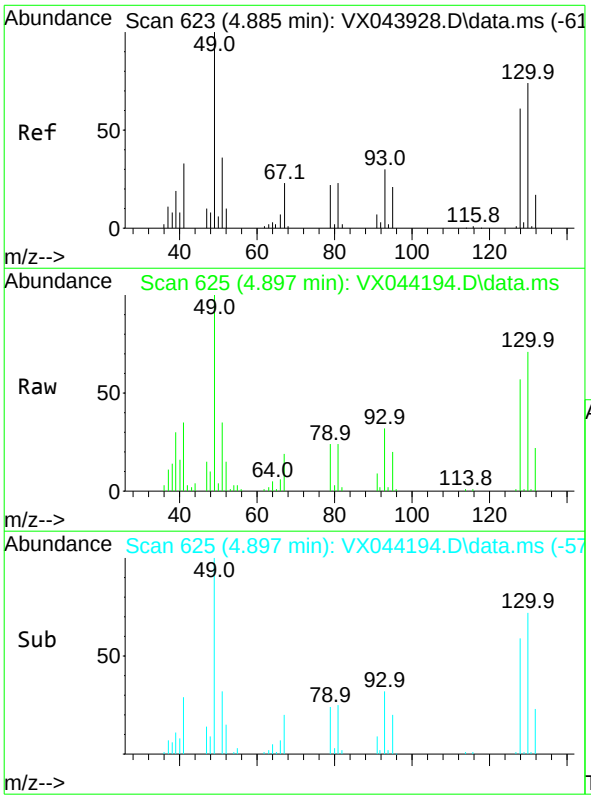
Ion	Ratio	Lower	Upper
96	100		
61	145.8	0.0	297.4
98	65.1	0.0	127.8

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

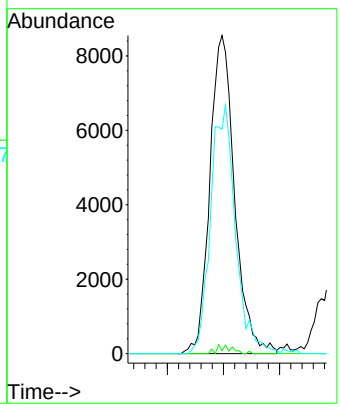


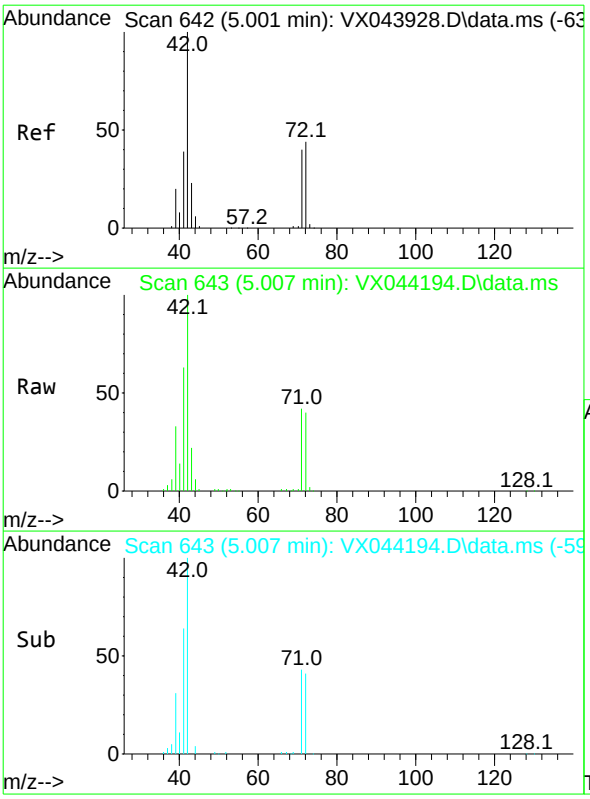


#28
Bromochloromethane
Concen: 18.884 ug/l
RT: 4.897 min Scan# 625
Delta R.T. 0.012 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 49 Resp: 26209

Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	4.0
130	78.2	59.0	88.6





#29
Tetrahydrofuran
Concen: 112.677 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

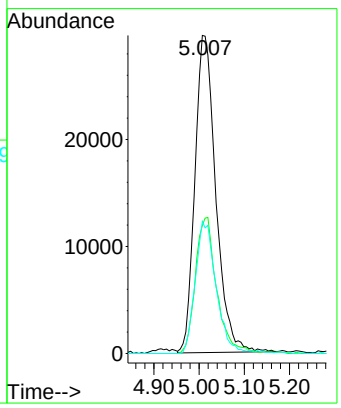
Tgt Ion: 42 Resp: 95322

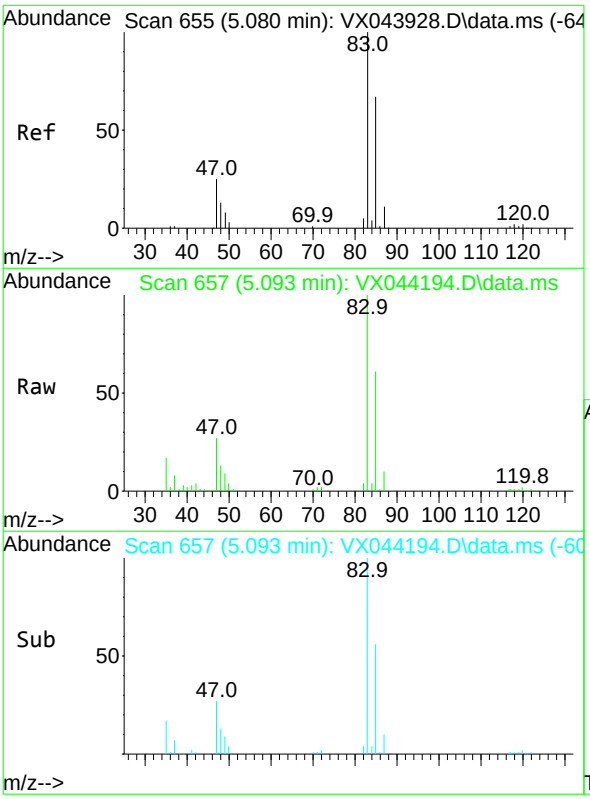
Ion	Ratio	Lower	Upper
42	100		
72	43.6	36.4	54.6
71	41.4	33.4	50.0

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

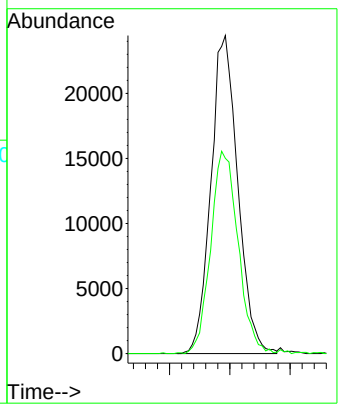


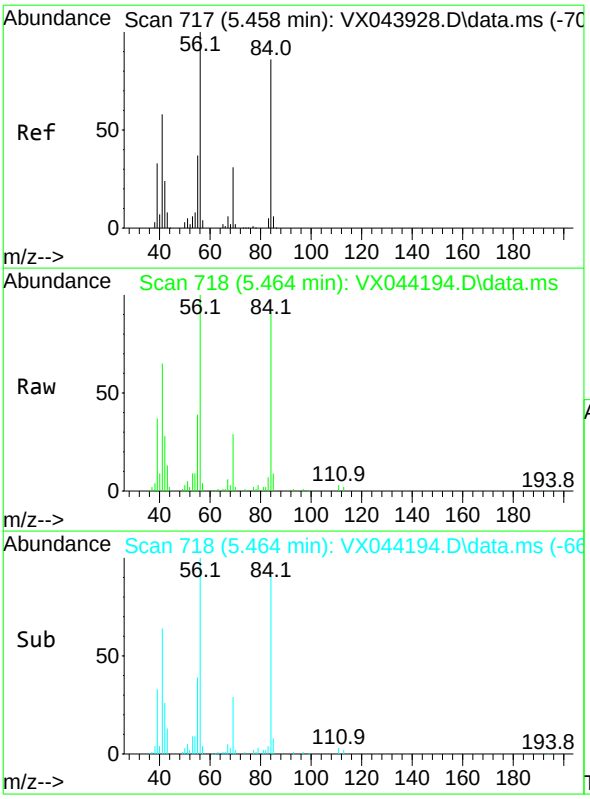


#30
Chloroform
Concen: 22.344 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.012 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 83 Resp: 75775

Ion	Ratio	Lower	Upper
83	100		
85	61.2	53.5	80.3





#31
Cyclohexane
Concen: 18.811 ug/l
RT: 5.464 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

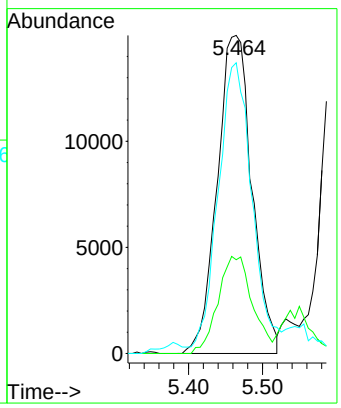
Tgt Ion: 56 Resp: 48818

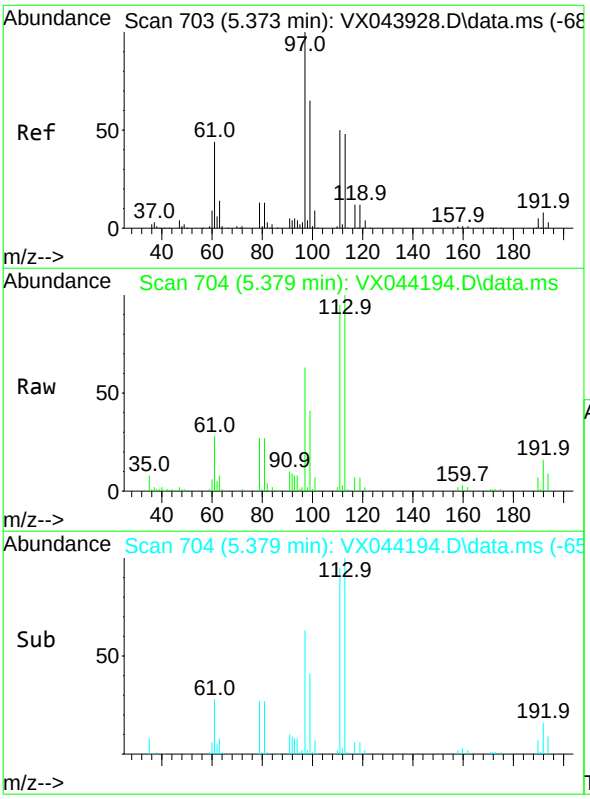
Ion	Ratio	Lower	Upper
56	100		
69	29.5	24.7	37.1
84	88.5	68.7	103.1

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

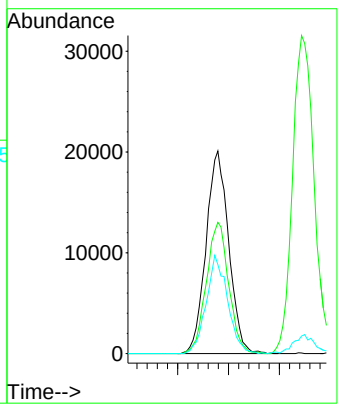


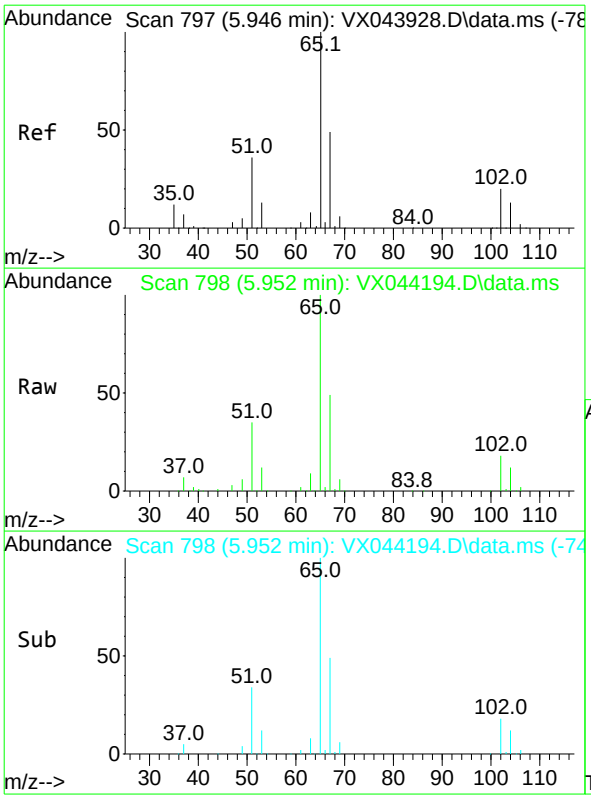


#32
1,1,1-Trichloroethane
Concen: 21.257 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 97 Resp: 62168

Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.8	76.2
61	45.6	35.4	53.2

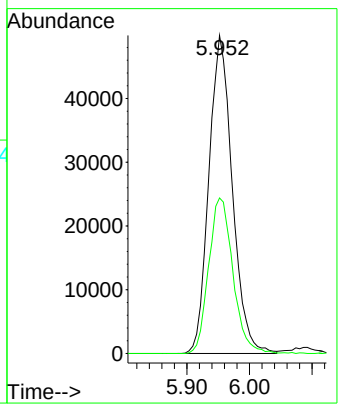




#33
1,2-Dichloroethane-d4
Concen: 55.739 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 65 Resp: 129787

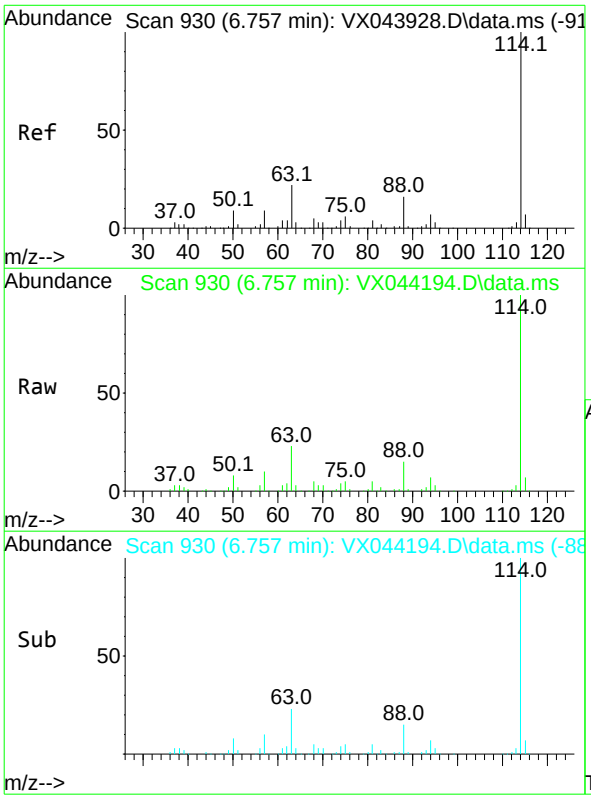
Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	100.8



Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

Manual Integrations
APPROVED

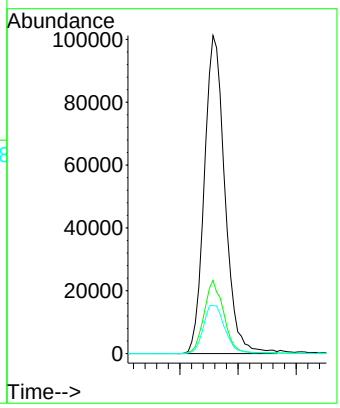
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

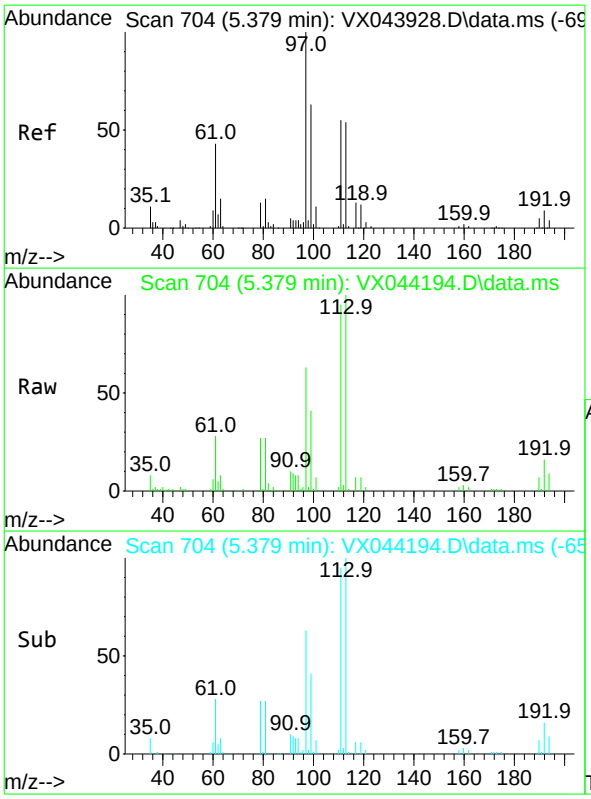


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion:114 Resp: 248673

Ion	Ratio	Lower	Upper
114	100		
63	23.0	0.0	44.0
88	15.1	0.0	32.4

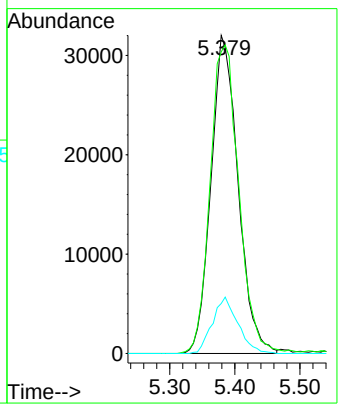




#35
Dibromofluoromethane
Concen: 52.041 ug/l
RT: 5.379 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion:113 Resp: 92471

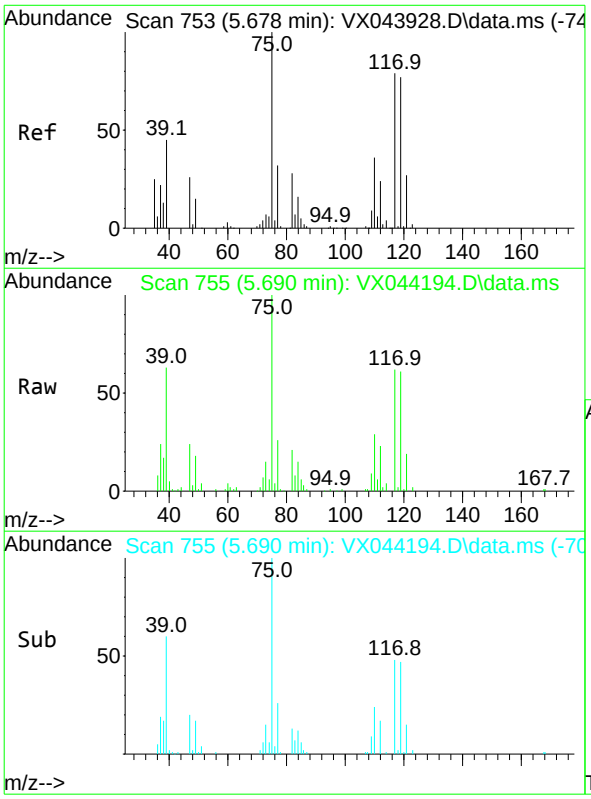
Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.0	121.4
192	16.7	13.0	19.6



Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

Manual Integrations
APPROVED

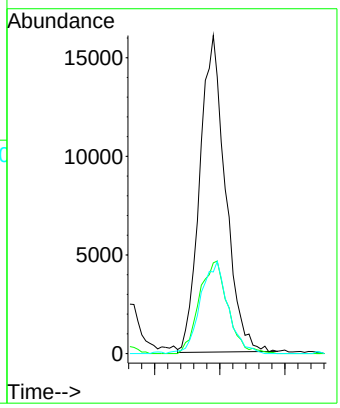
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

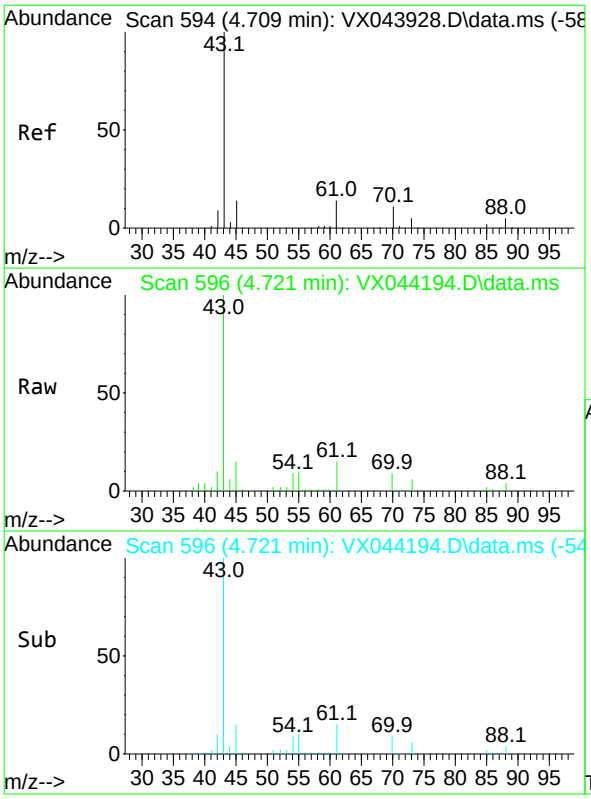


#36
1,1-Dichloropropene
Concen: 19.838 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.012 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 75 Resp: 43925

Ion	Ratio	Lower	Upper
75	100		
110	32.5	17.4	52.2
77	31.1	25.8	38.8





#37
Ethyl Acetate
Concen: 20.961 ug/l
RT: 4.721 min Scan# 59
Delta R.T. 0.012 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

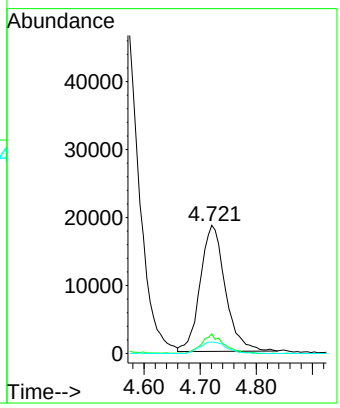
Tgt Ion: 43 Resp: 57613

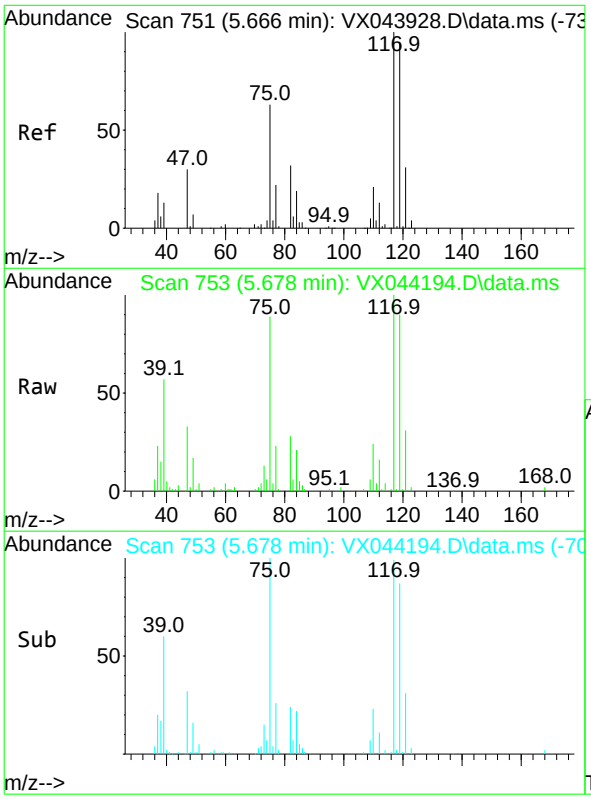
Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.7	16.1
70	9.7	8.0	12.0

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

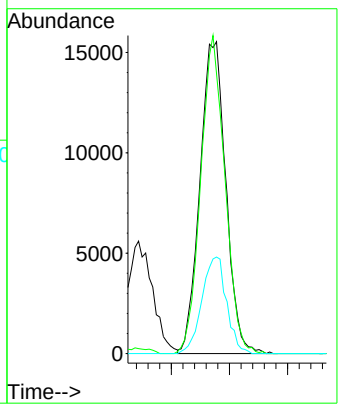


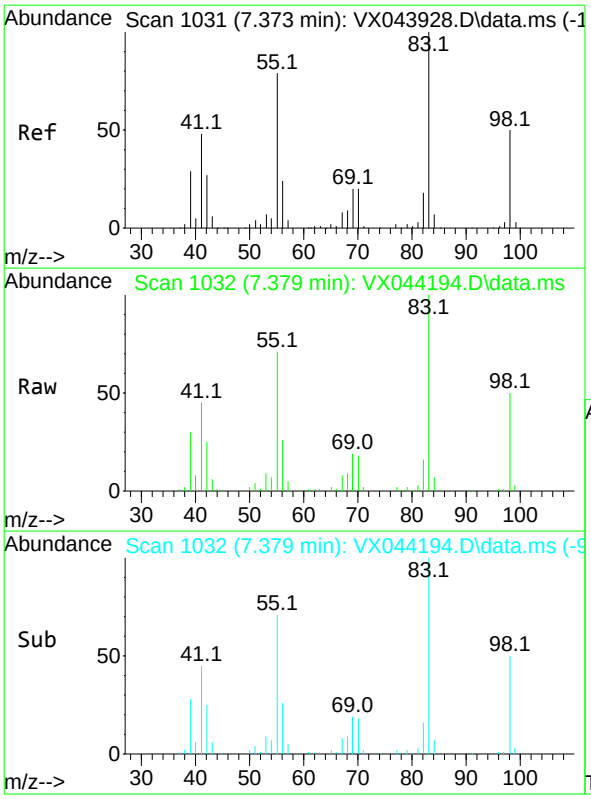


#38
Carbon Tetrachloride
Concen: 19.358 ug/l
RT: 5.678 min Scan# 753
Delta R.T. 0.012 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion:117 Resp: 48162

Ion	Ratio	Lower	Upper
117	100		
119	89.8	75.2	112.8
121	30.9	24.5	36.7

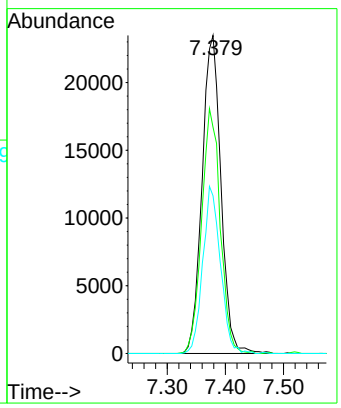




#39
Methylcyclohexane
Concen: 18.397 ug/l
RT: 7.379 min Scan# 10
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 83 Resp: 52919

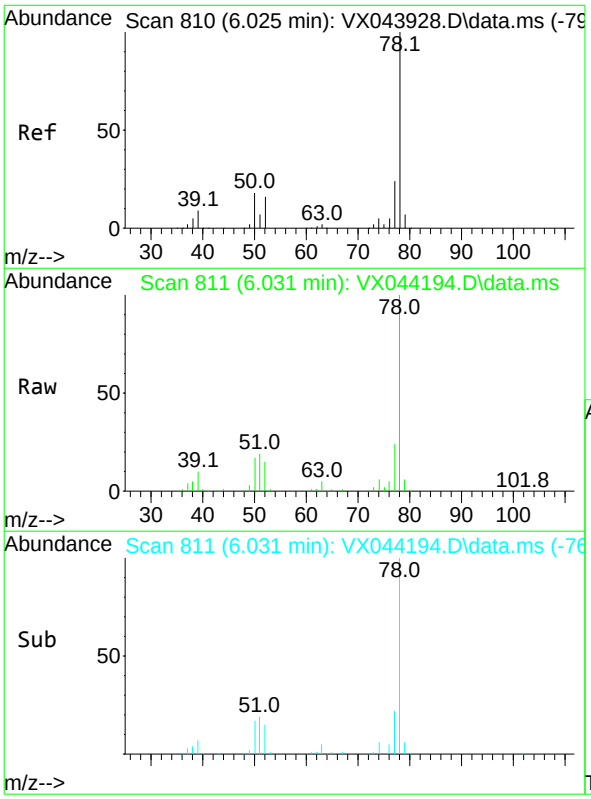
Ion	Ratio	Lower	Upper
83	100		
55	71.1	63.1	94.7
98	49.6	40.0	60.0



Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

Manual Integrations
APPROVED

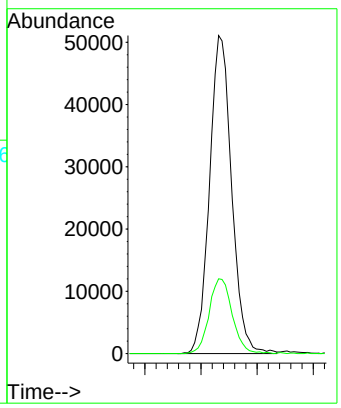
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

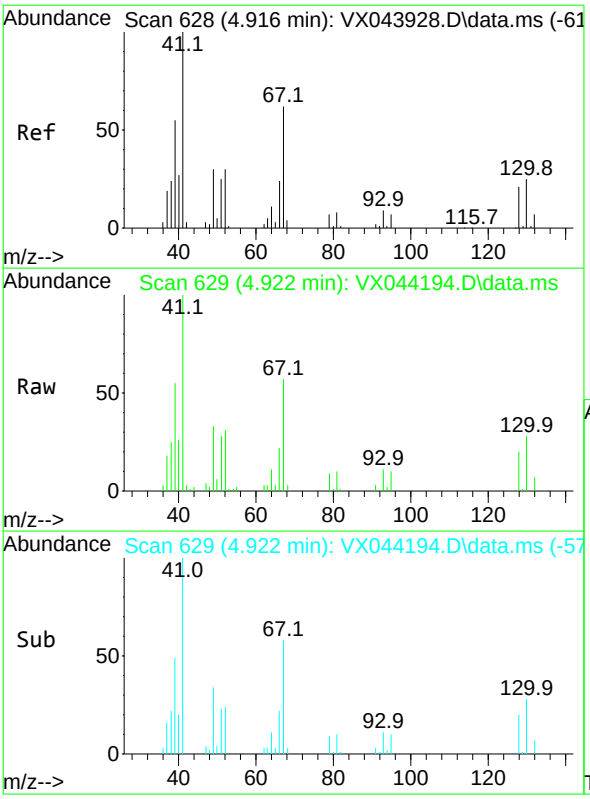


#40
Benzene
Concen: 20.242 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 78 Resp: 139613

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.2	28.8





#41
Methacrylonitrile
Concen: 22.901 ug/l
RT: 4.922 min Scan# 62
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

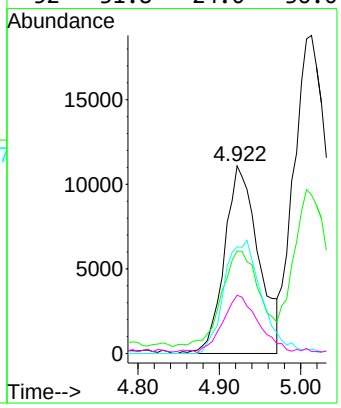
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

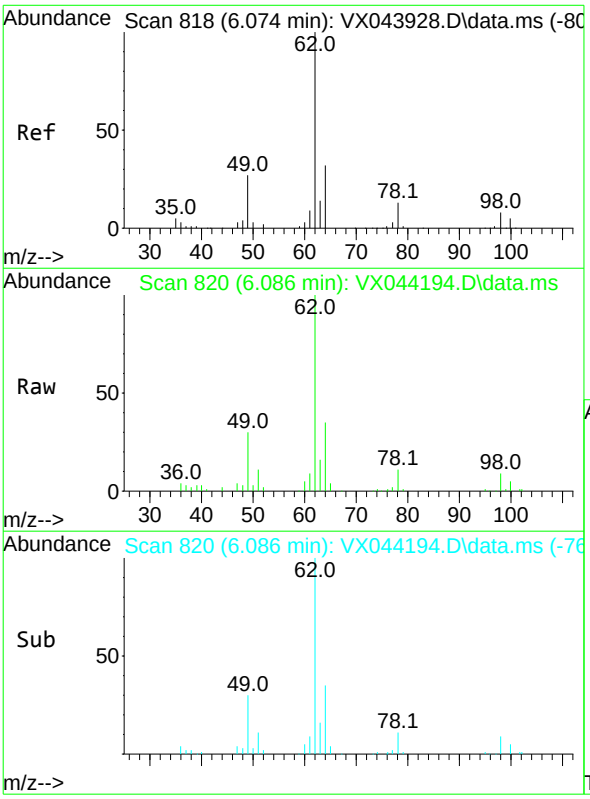
Tgt Ion: 41 Resp: 32217

Ion	Ratio	Lower	Upper
41	100		
39	57.4	41.7	62.5
67	67.1	55.8	83.8
52	31.8	24.0	36.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

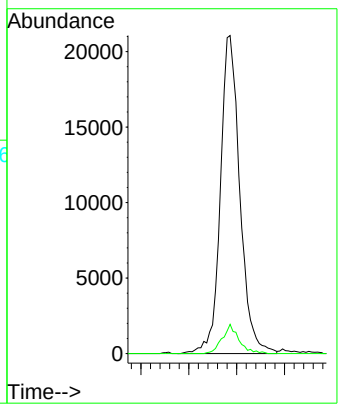


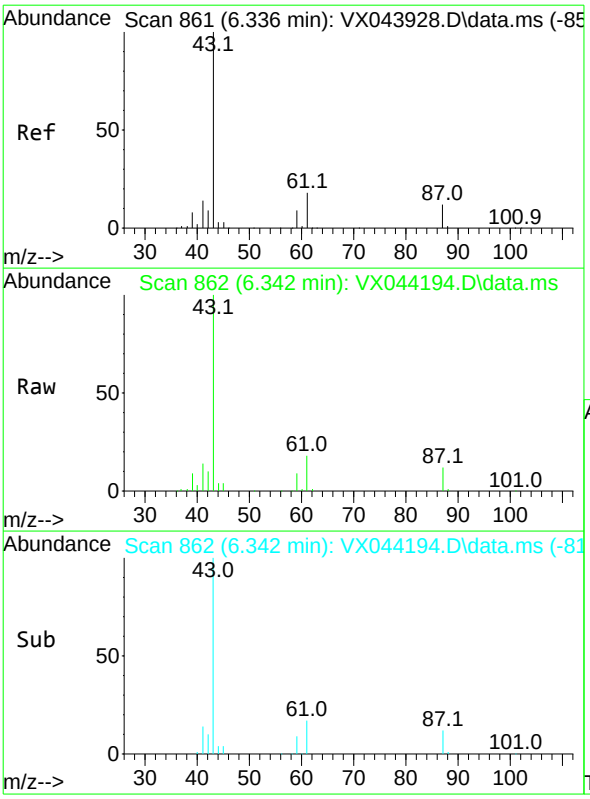


#42
1,2-Dichloroethane
Concen: 21.488 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.012 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 62 Resp: 59522

Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	16.4

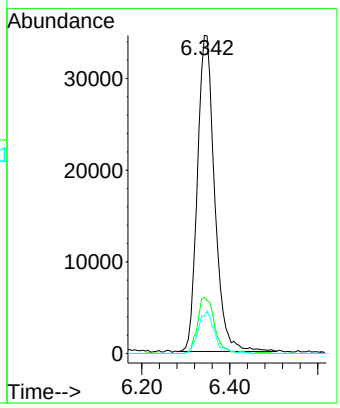




#43
Isopropyl Acetate
Concen: 21.416 ug/l
RT: 6.342 min Scan# 86
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 43 Resp: 93678

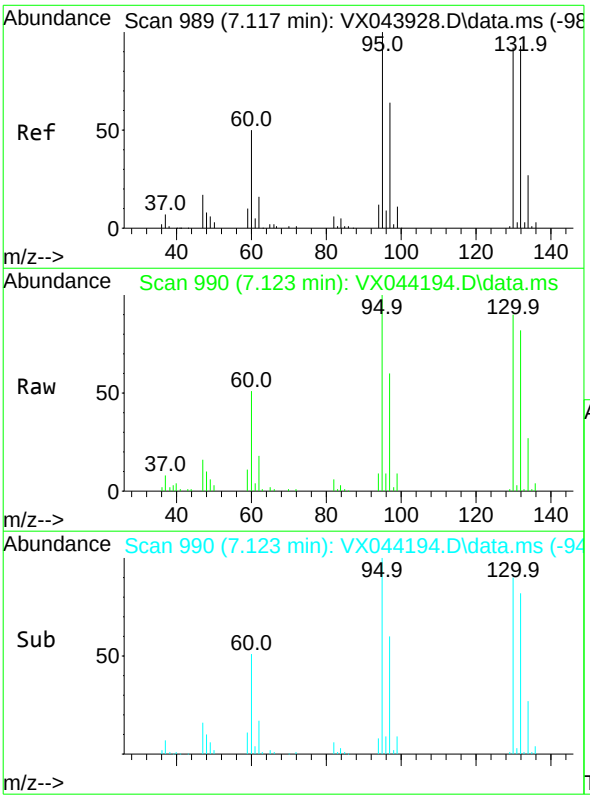
Ion	Ratio	Lower	Upper
43	100		
61	17.5	14.5	21.7
87	12.7	10.2	15.2



Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

Manual Integrations
APPROVED

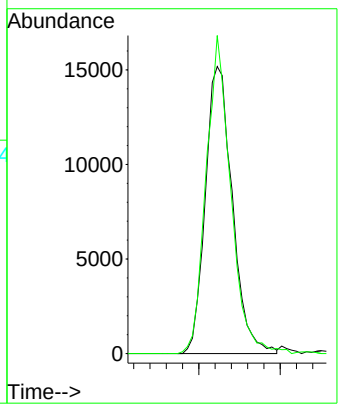
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

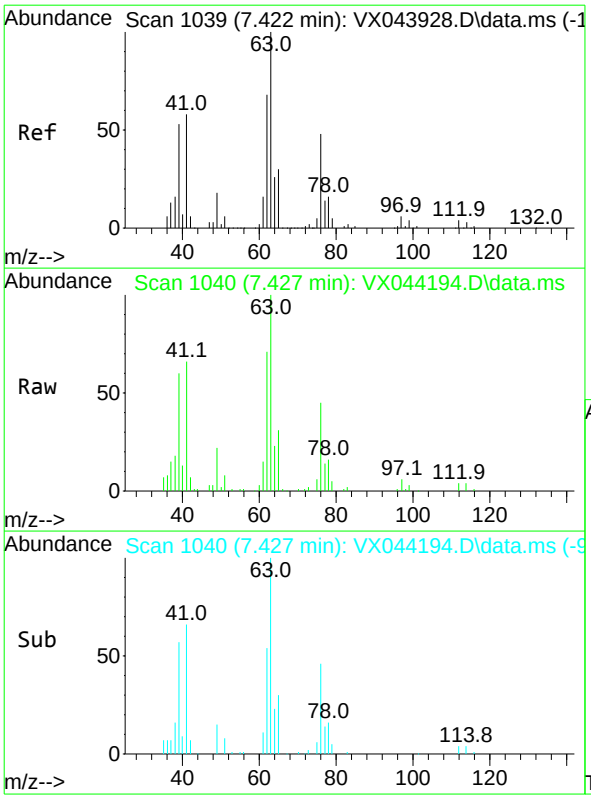


#44
Trichloroethene
Concen: 17.932 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion:130 Resp: 35012

Ion	Ratio	Lower	Upper
130	100		
95	110.8	0.0	217.8

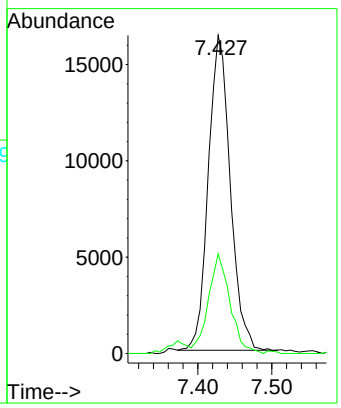




#45
1,2-Dichloropropane
Concen: 19.955 ug/l
RT: 7.427 min Scan# 10
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 63 Resp: 33709

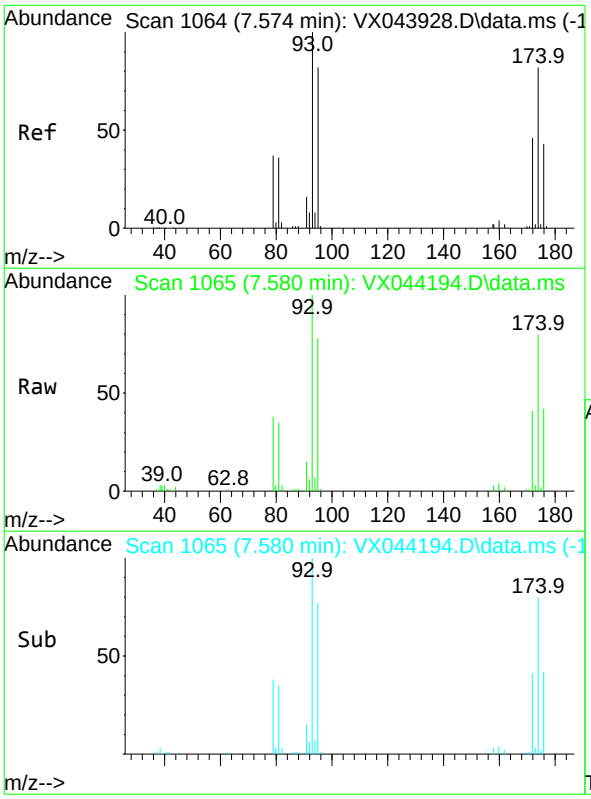
Ion	Ratio	Lower	Upper
63	100		
65	31.1	23.8	35.6



Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

Manual Integrations
APPROVED

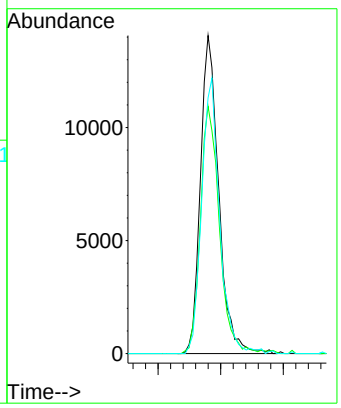
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

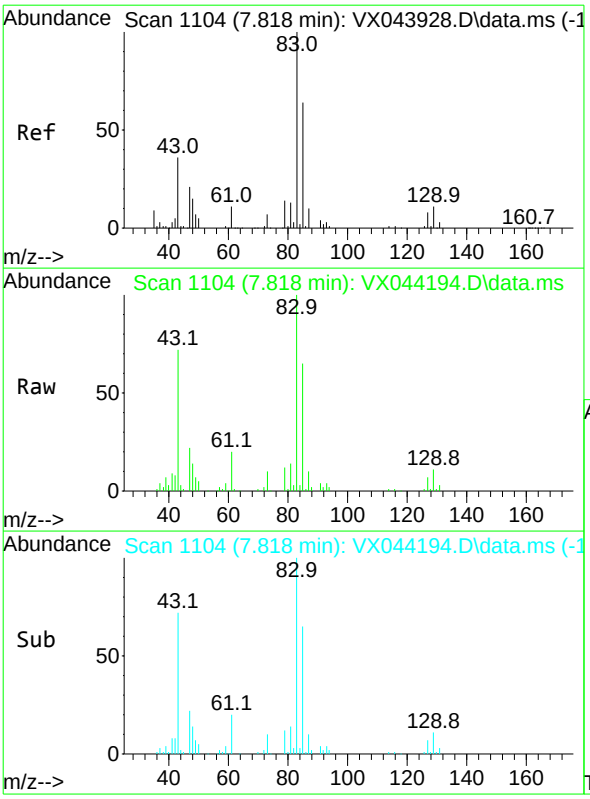


#46
Dibromomethane
Concen: 21.376 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 93 Resp: 28564

Ion	Ratio	Lower	Upper
93	100		
95	80.3	66.2	99.4
174	85.4	69.6	104.4





#47
Bromodichloromethane
Concen: 20.355 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

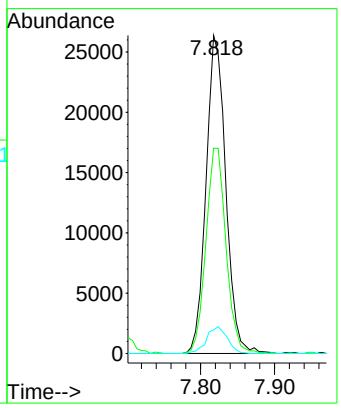
Tgt Ion: 83 Resp: 48783

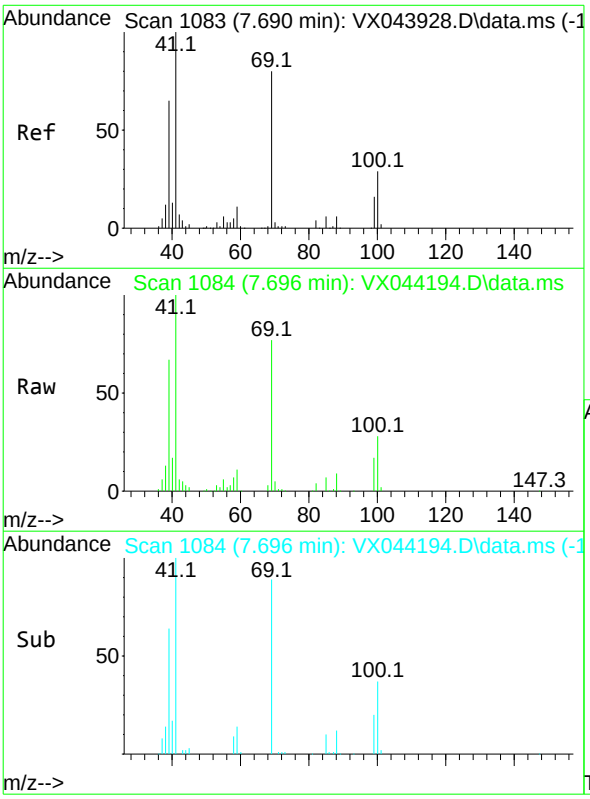
Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.4	77.0
127	7.4	6.6	10.0

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

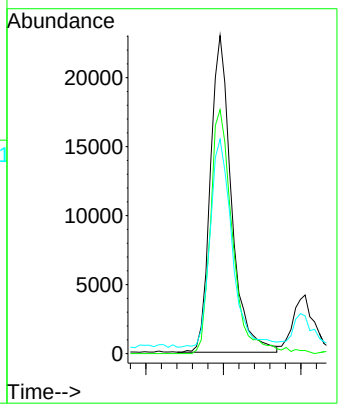


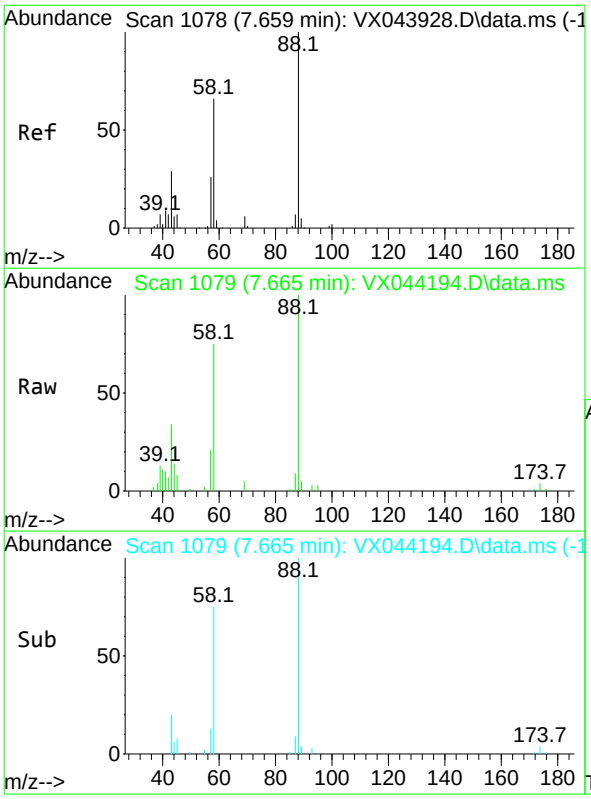


#48
Methyl methacrylate
Concen: 20.669 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 41 Resp: 43383

Ion	Ratio	Lower	Upper
41	100		
69	81.3	64.6	97.0
39	67.8	53.3	79.9

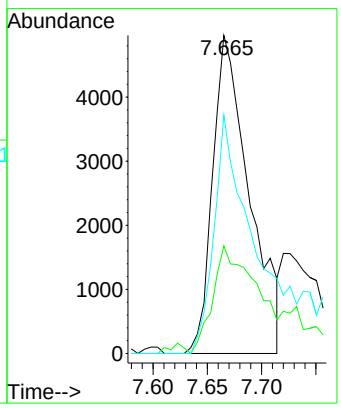




#49
1,4-Dioxane
Concen: 312.640 ug/l
RT: 7.665 min Scan# 10
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 88 Resp: 11689

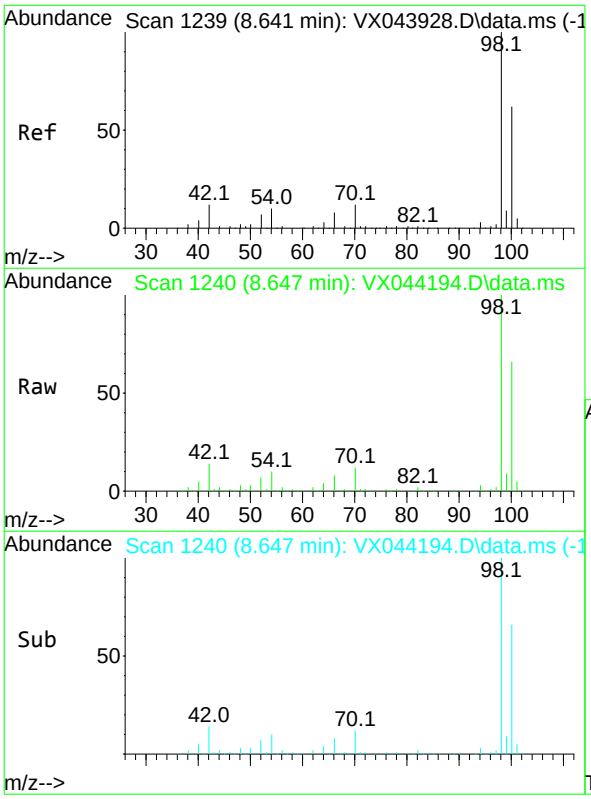
Ion	Ratio	Lower	Upper
88	100		
43	40.1	26.8	40.2
58	96.9	45.4	68.2#



Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

Manual Integrations
APPROVED

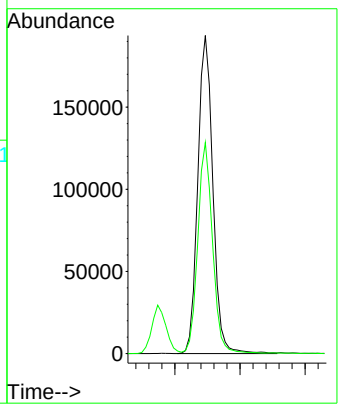
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

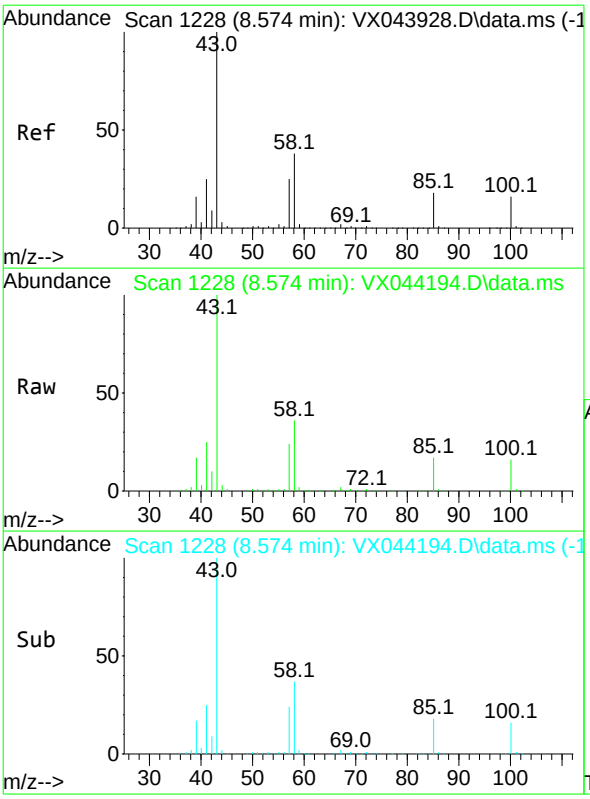


#50
Toluene-d8
Concen: 50.866 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 98 Resp: 311560

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.6	79.0





#51
4-Methyl-2-Pentanone
Concen: 113.171 ug/l
RT: 8.574 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

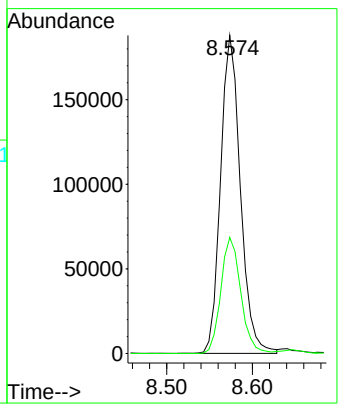
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

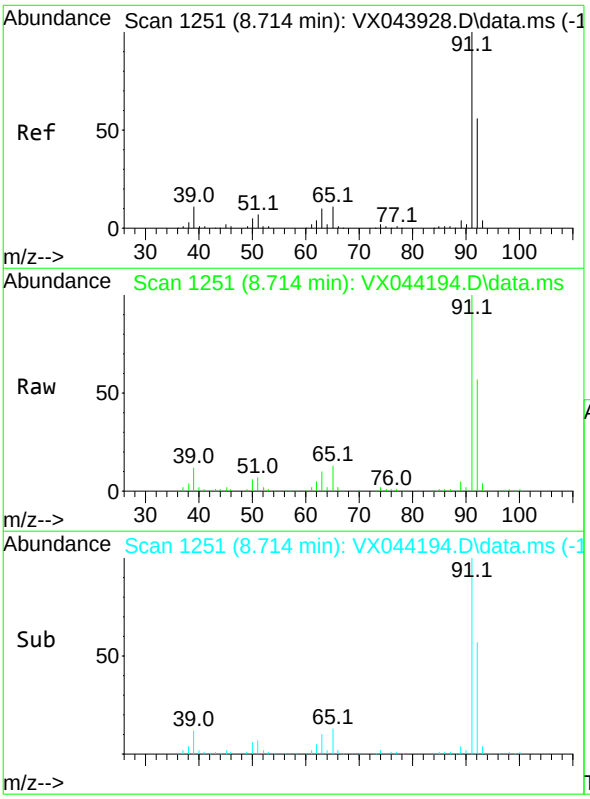
Tgt Ion: 43 Resp: 302094

Ion	Ratio	Lower	Upper
43	100		
58	36.7	30.0	45.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

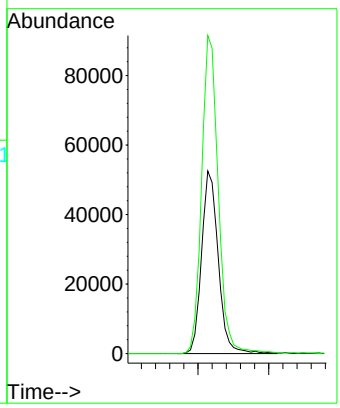


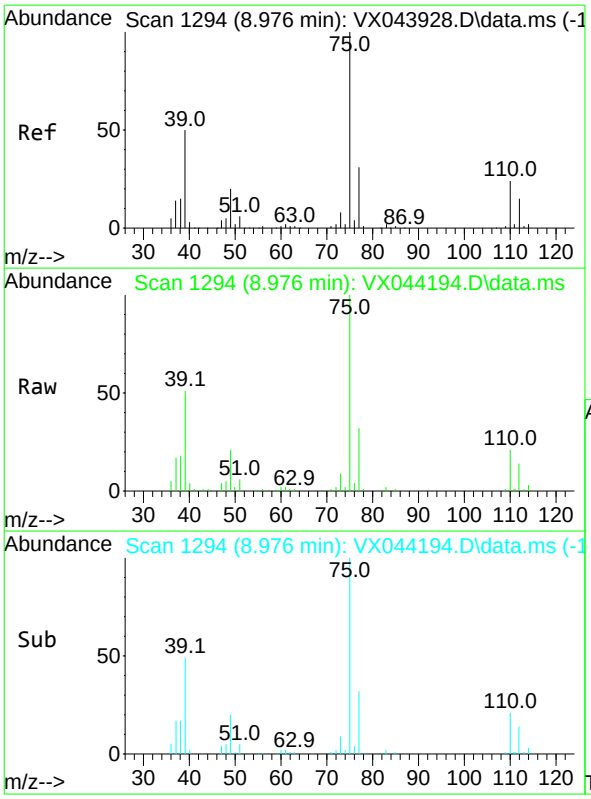


#52
Toluene
Concen: 20.808 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 92 Resp: 85899

Ion	Ratio	Lower	Upper
92	100		
91	174.0	139.7	209.5

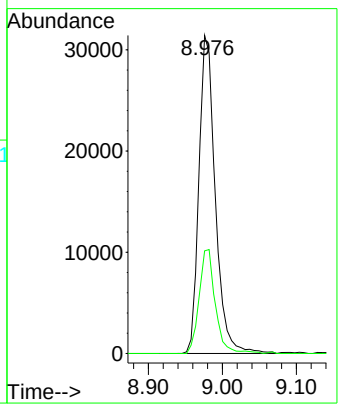




#53
t-1,3-Dichloropropene
Concen: 19.762 ug/l
RT: 8.976 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 75 Resp: 48298

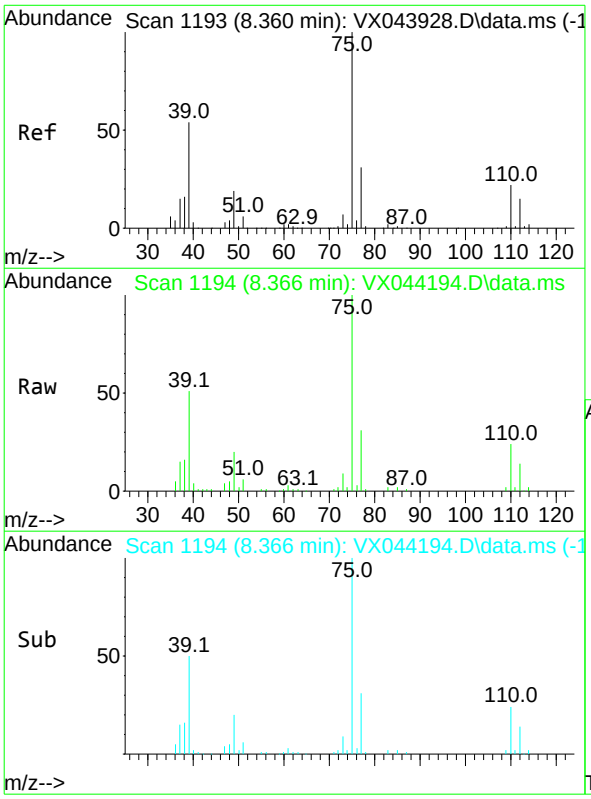
Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

Manual Integrations
APPROVED

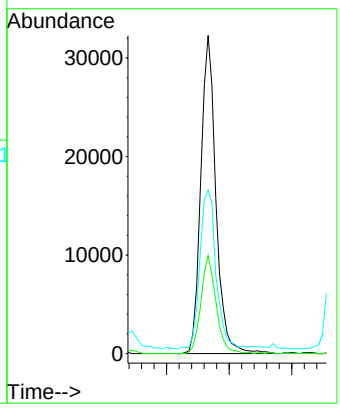
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

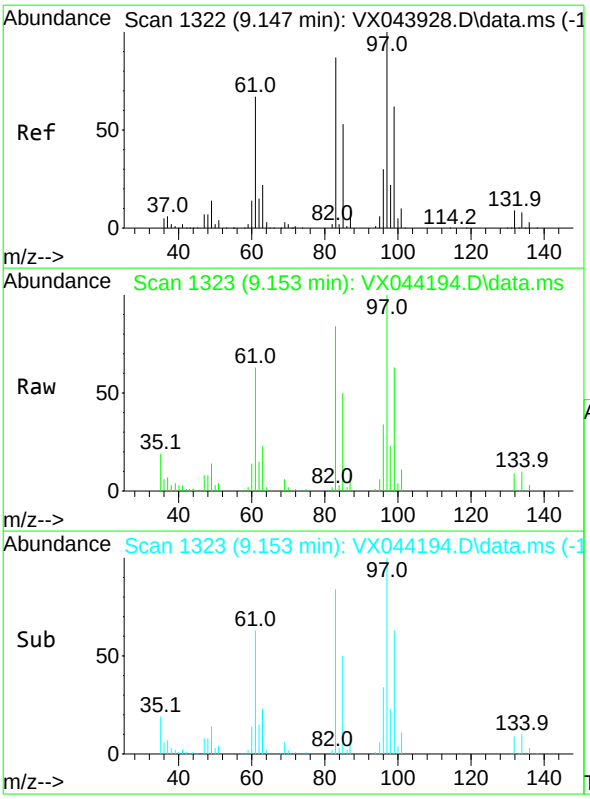


#54
cis-1,3-Dichloropropene
Concen: 20.209 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 75 Resp: 54145

Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.2	37.8
39	49.9	43.1	64.7

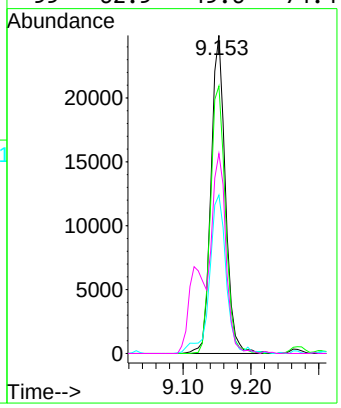




#55
1,1,2-Trichloroethane
Concen: 21.544 ug/l
RT: 9.153 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 97 Resp: 36713

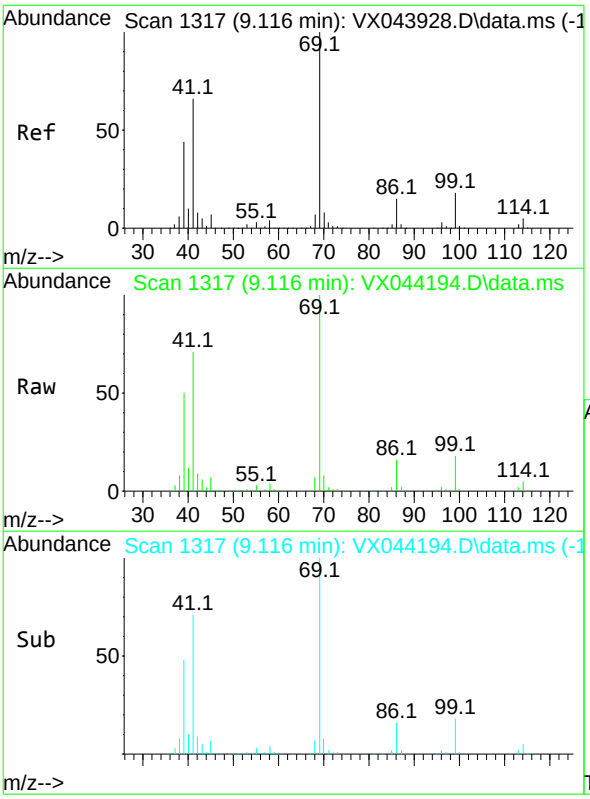
Ion	Ratio	Lower	Upper
97	100		
83	84.1	69.4	104.0
85	49.8	42.3	63.5
99	62.9	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

Manual Integrations
APPROVED

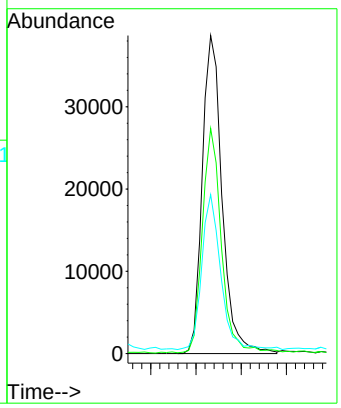
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

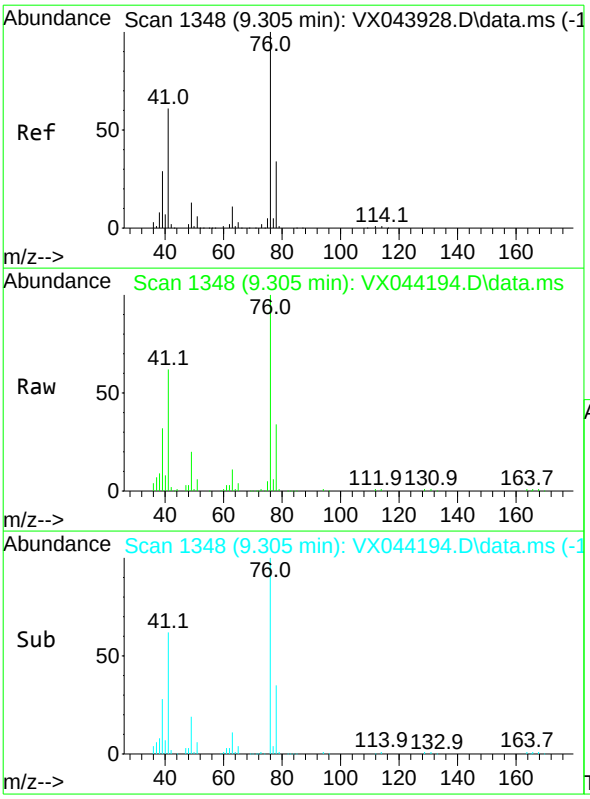


#56
Ethyl methacrylate
Concen: 22.260 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 69 Resp: 59083

Ion	Ratio	Lower	Upper
69	100		
41	68.0	55.8	83.8
39	46.3	36.7	55.1

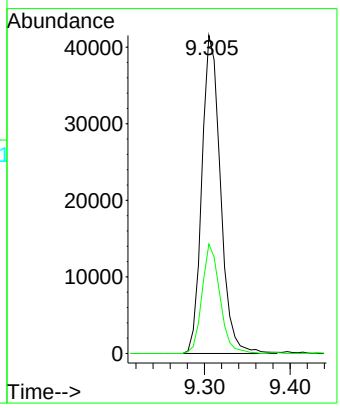




#57
1,3-Dichloropropane
Concen: 21.833 ug/l
RT: 9.305 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 76 Resp: 62674

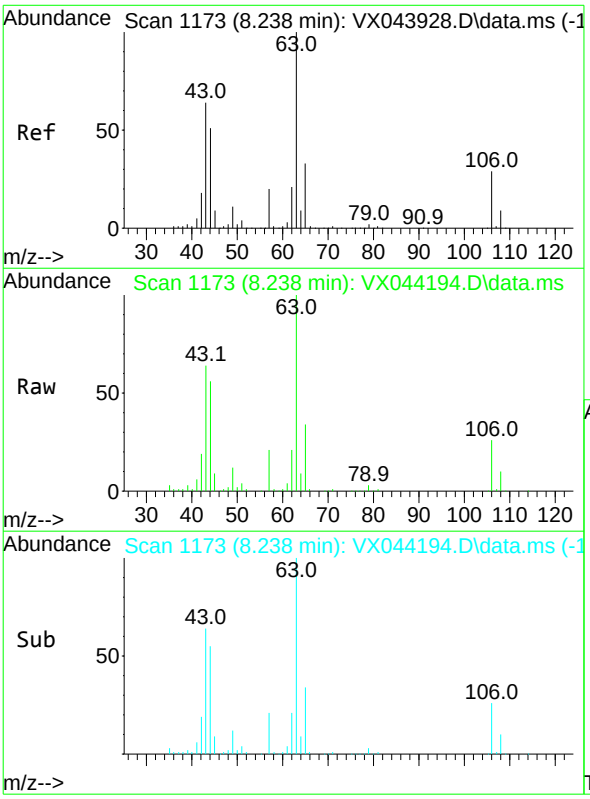
Ion	Ratio	Lower	Upper
76	100		
78	33.0	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

Manual Integrations
APPROVED

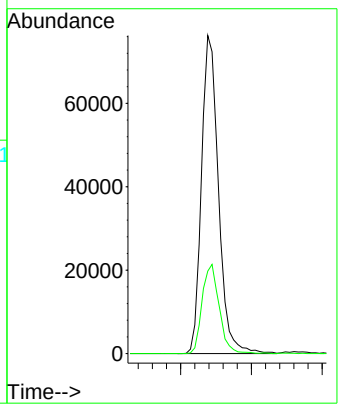
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

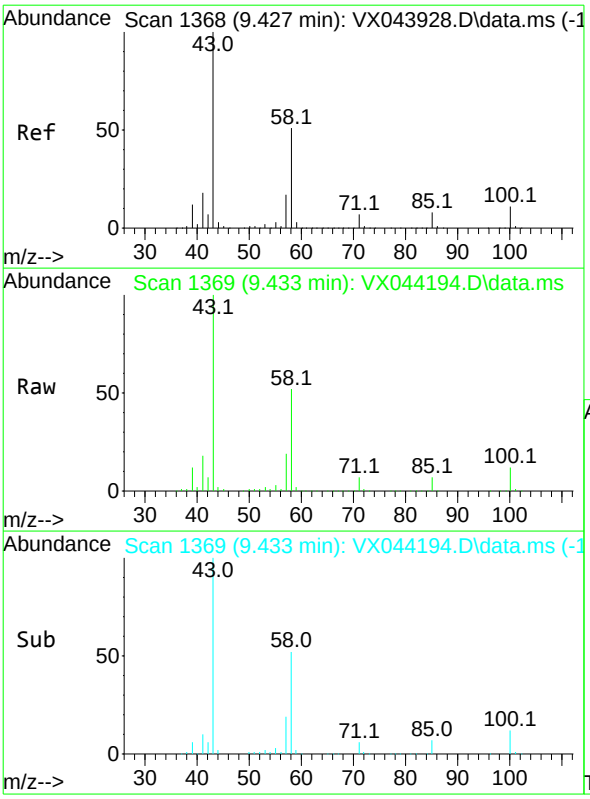


#58
2-Chloroethyl Vinyl ether
Concen: 86.855 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 63 Resp: 127295

Ion	Ratio	Lower	Upper
63	100		
106	28.1	23.0	34.6





#59
2-Hexanone
Concen: 115.407 ug/l
RT: 9.433 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

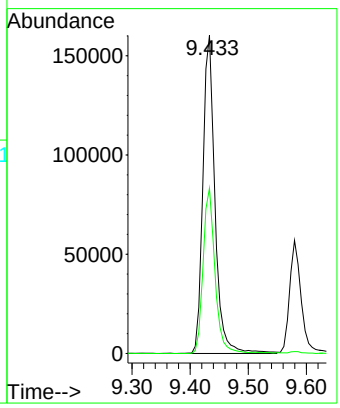
Tgt Ion: 43 Resp: 231547

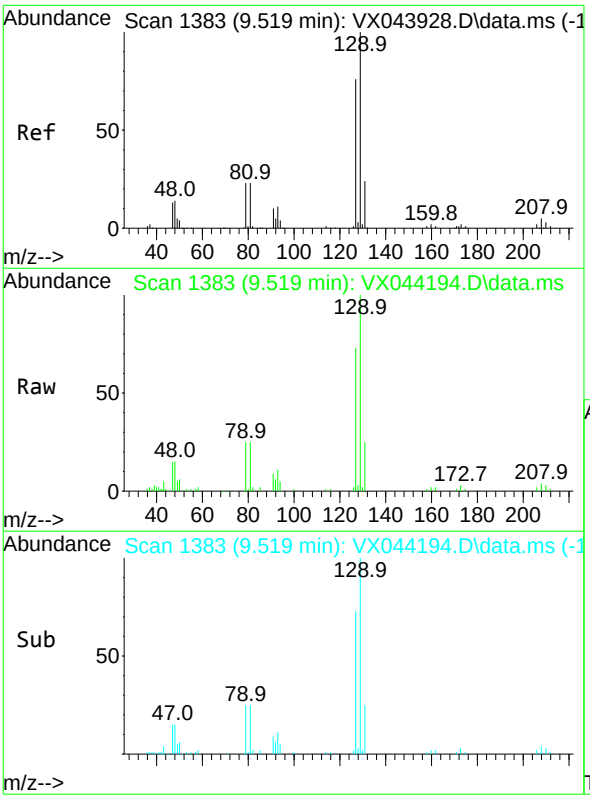
Ion	Ratio	Lower	Upper
43	100		
58	50.8	25.9	77.6

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

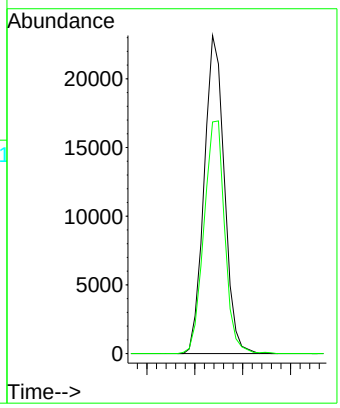


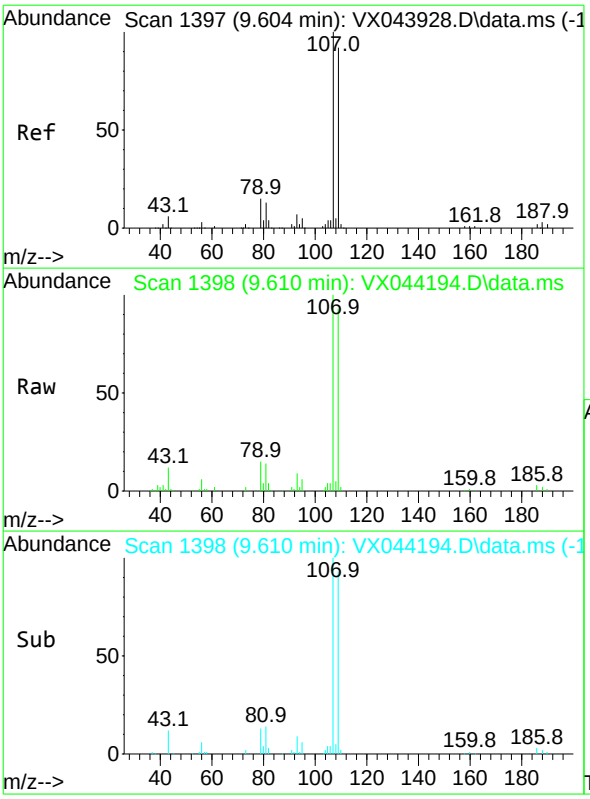


#60
Dibromochloromethane
Concen: 19.812 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion:129 Resp: 33874

Ion	Ratio	Lower	Upper
129	100		
127	75.4	38.2	114.6

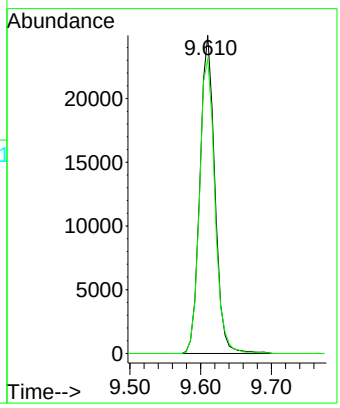




#61
1,2-Dibromoethane
Concen: 21.281 ug/l
RT: 9.610 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion:107 Resp: 36670

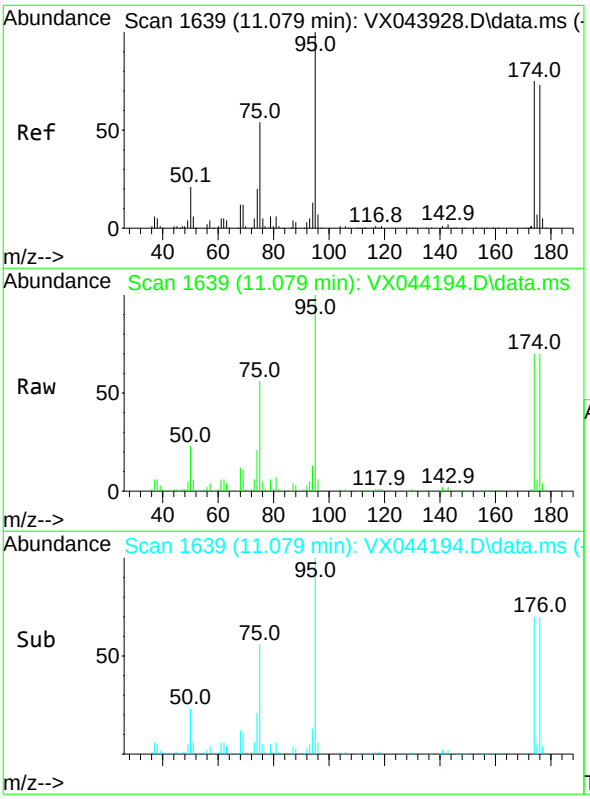
Ion	Ratio	Lower	Upper
107	100		
109	95.5	75.2	112.8



Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

Manual Integrations
APPROVED

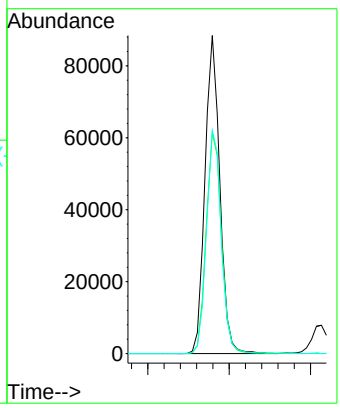
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

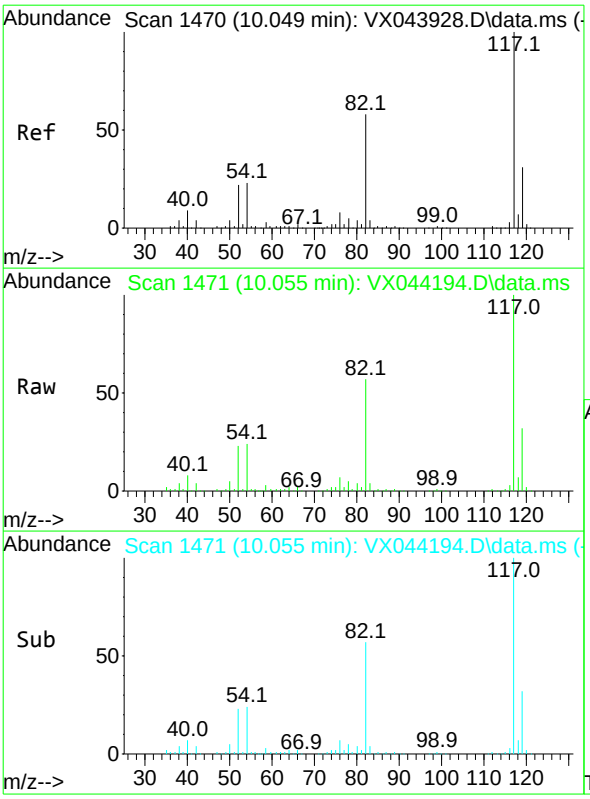


#62
4-Bromofluorobenzene
Concen: 53.767 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 95 Resp: 112080

Ion	Ratio	Lower	Upper
95	100		
174	71.4	0.0	150.4
176	69.9	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: VX044194.D
Acq: 09 Dec 2024 17:37

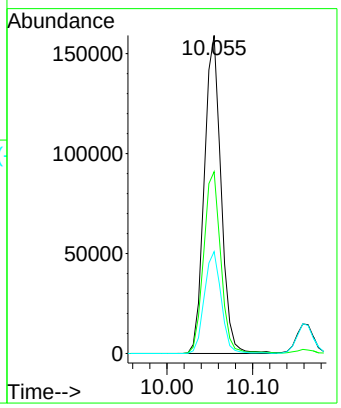
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

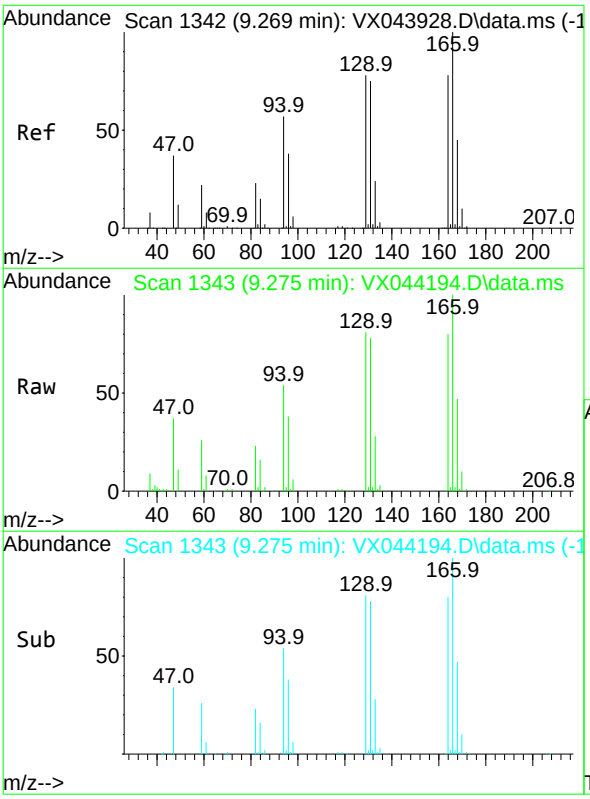
Tgt Ion:117 Resp: 215697

Ion	Ratio	Lower	Upper
117	100		
82	57.1	46.4	69.6
119	32.0	24.6	37.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

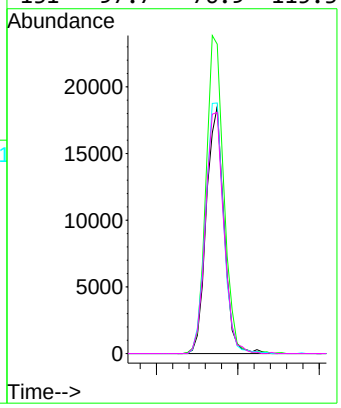


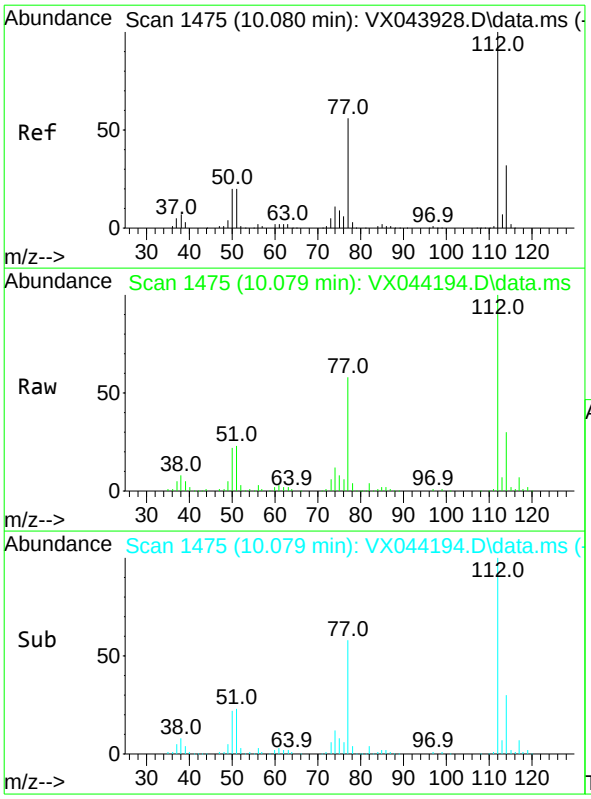


#64
Tetrachloroethene
Concen: 19.563 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion:164 Resp: 27824

Ion	Ratio	Lower	Upper
164	100		
166	125.3	102.1	153.1
129	101.5	79.6	119.4
131	97.7	76.9	115.3

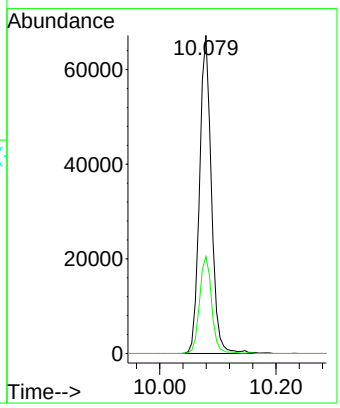




#65
Chlorobenzene
Concen: 20.039 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion:112 Resp: 94932

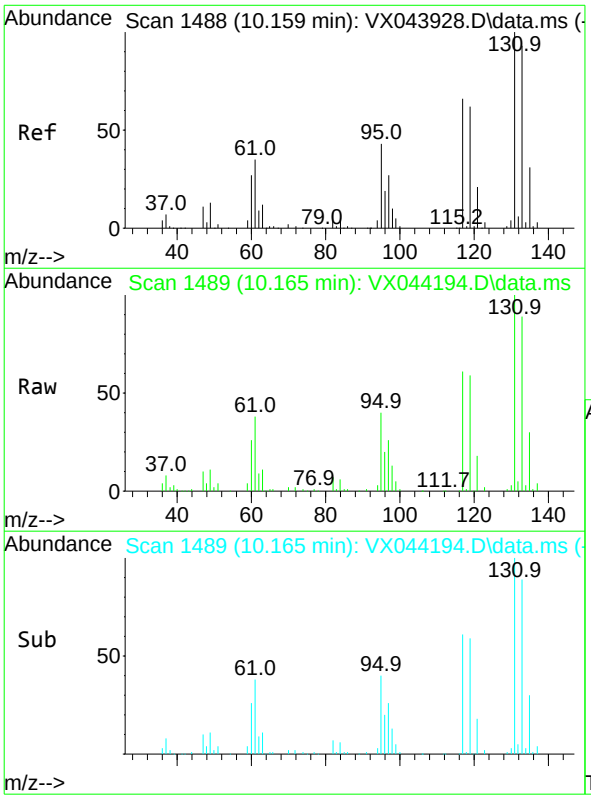
Ion	Ratio	Lower	Upper
112	100		
114	30.5	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

Manual Integrations
APPROVED

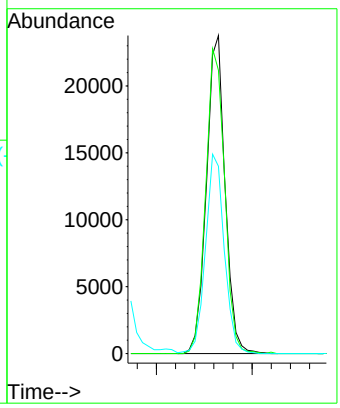
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

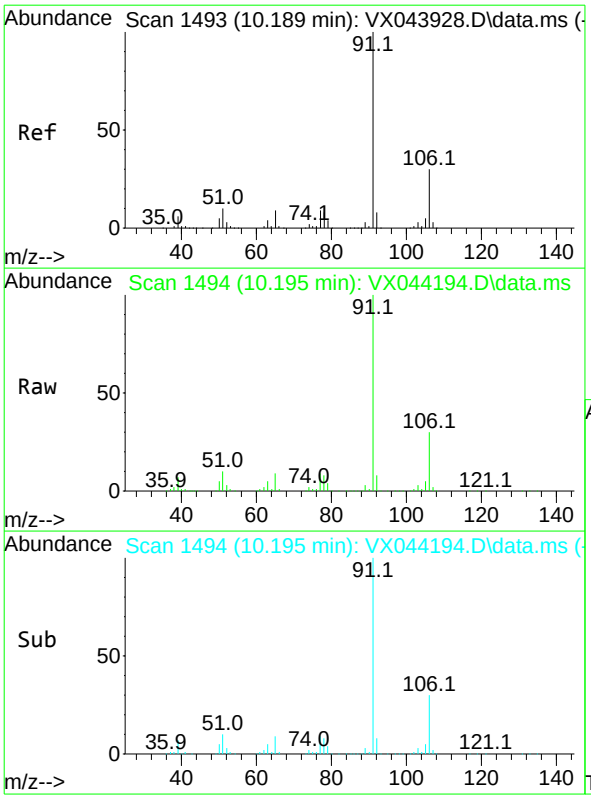


#66
1,1,1,2-Tetrachloroethane
Concen: 20.923 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion:131 Resp: 32146

Ion	Ratio	Lower	Upper
131	100		
133	96.9	48.2	144.6
119	63.1	31.5	94.5

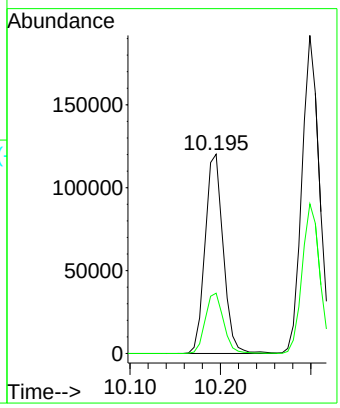




#67
Ethyl Benzene
Concen: 20.886 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 91 Resp: 167658

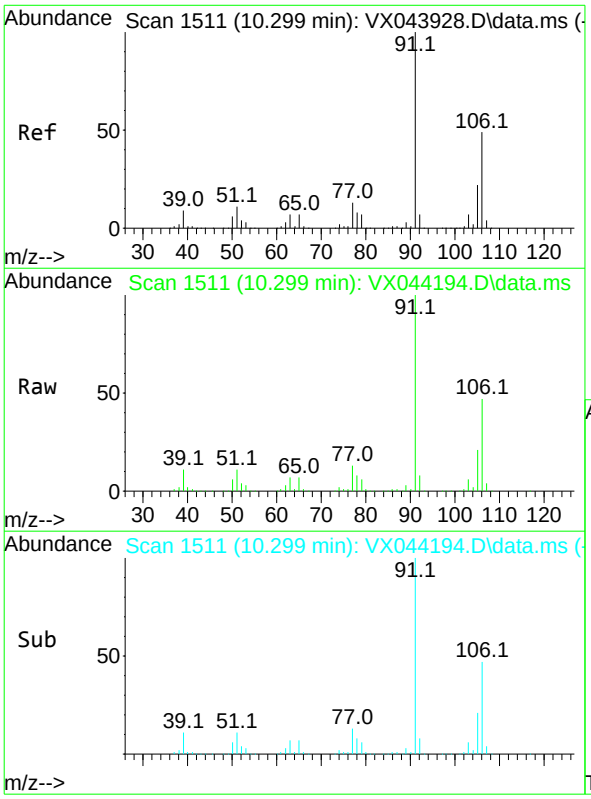
Ion	Ratio	Lower	Upper
91	100		
106	30.3	23.6	35.4



Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

Manual Integrations
APPROVED

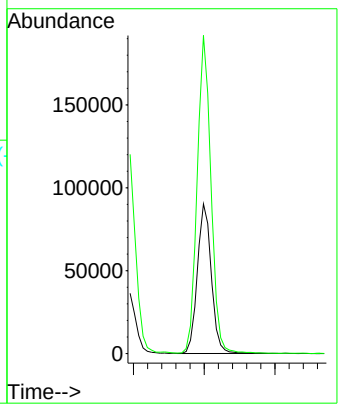
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

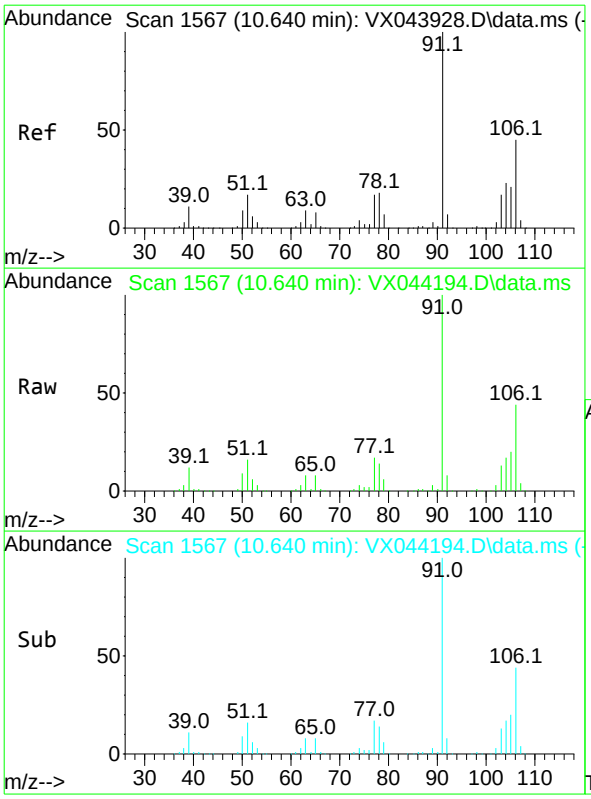


#68
m/p-Xylenes
Concen: 41.384 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion:106 Resp: 123887

Ion	Ratio	Lower	Upper
106	100		
91	209.9	168.1	252.1

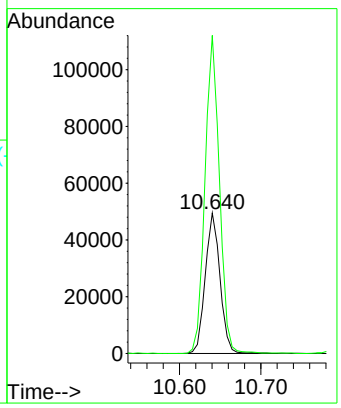




#69
o-Xylene
Concen: 21.324 ug/l
RT: 10.640 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion:106 Resp: 62326

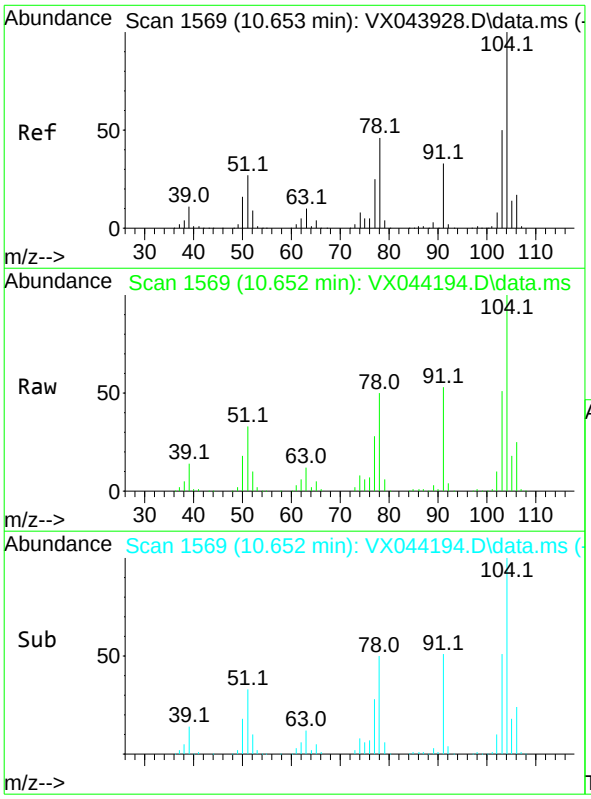
Ion	Ratio	Lower	Upper
106	100		
91	221.8	110.2	330.6



Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

Manual Integrations
APPROVED

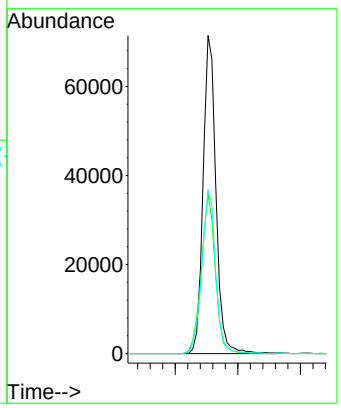
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

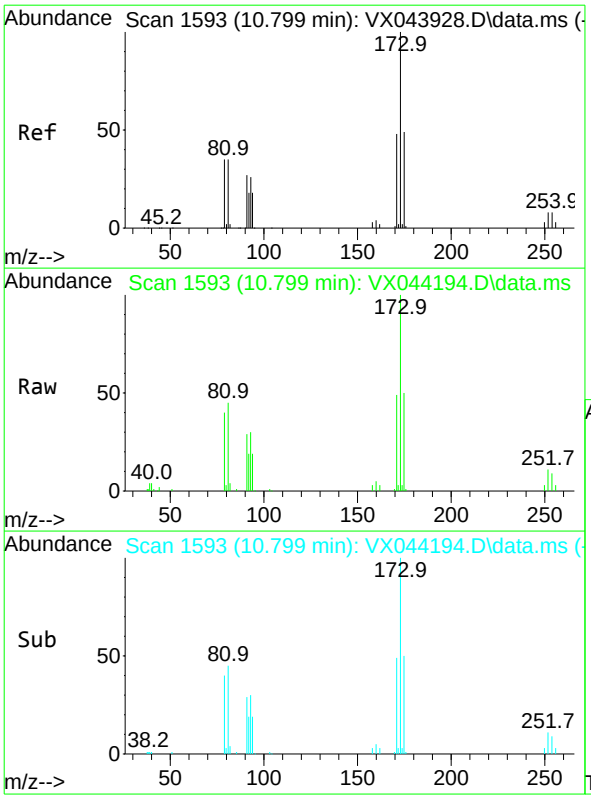


#70
Styrene
Concen: 21.061 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion:104 Resp: 101812

Ion	Ratio	Lower	Upper
104	100		
78	54.7	42.2	63.2
103	55.3	44.7	67.1





#71
Bromoform
Concen: 17.454 ug/l
RT: 10.799 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

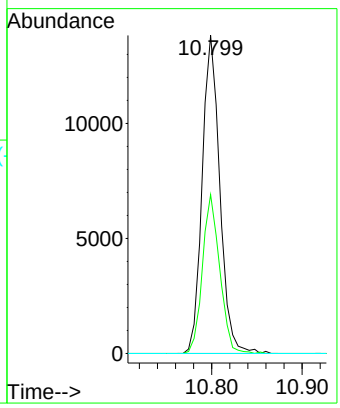
Tgt Ion:173 Resp: 18740

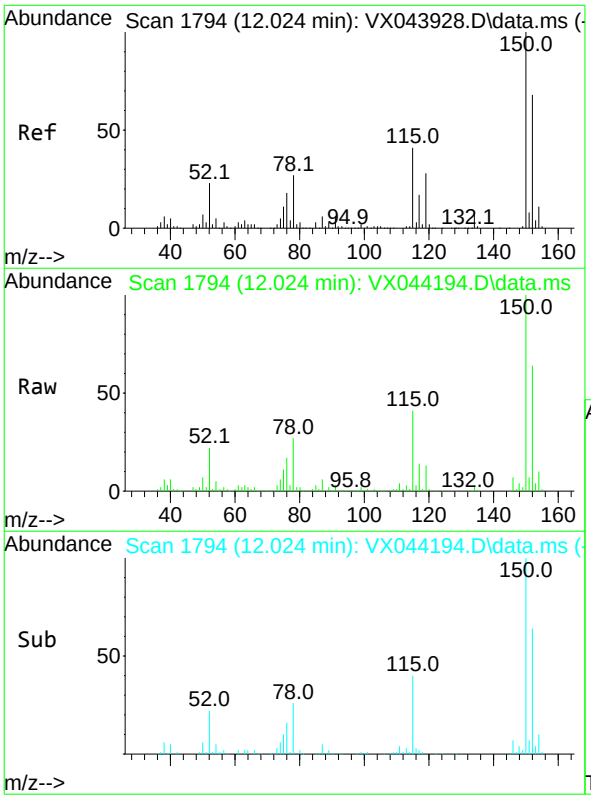
Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.1	72.2
254	0.0	0.0	0.0

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

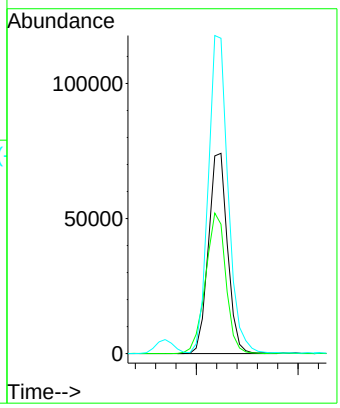


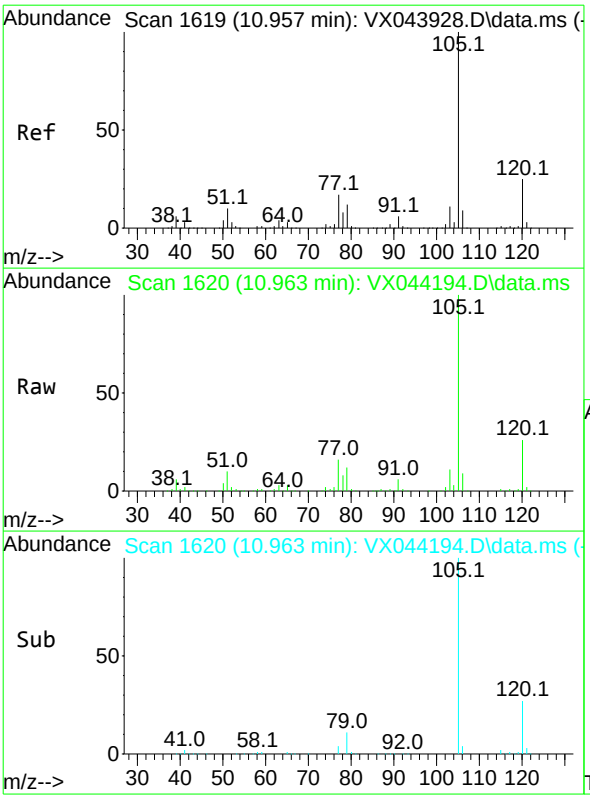


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion:152 Resp: 96570

Ion	Ratio	Lower	Upper
152	100		
115	74.9	45.4	136.2
150	164.7	0.0	353.0

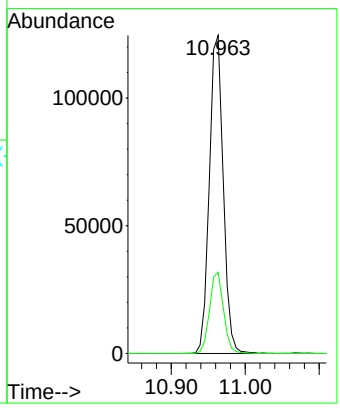




#73
Isopropylbenzene
Concen: 21.937 ug/l
RT: 10.963 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion:105 Resp: 162841

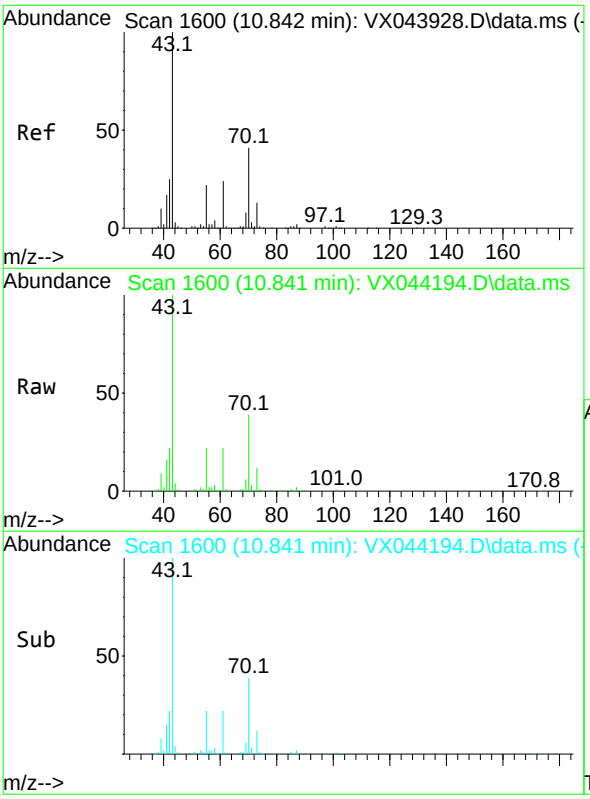
Ion	Ratio	Lower	Upper
105	100		
120	25.6	13.0	38.9



Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

Manual Integrations
APPROVED

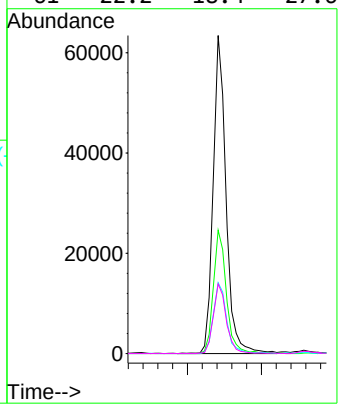
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

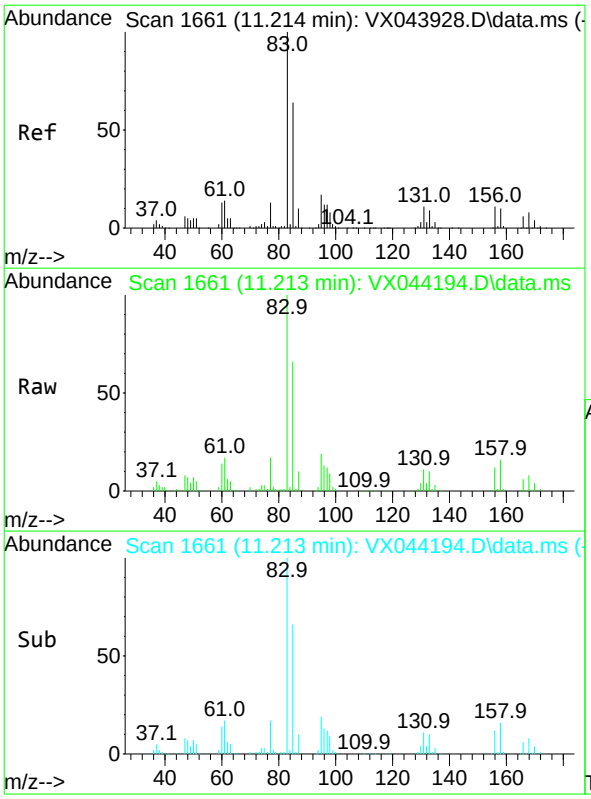


#74
N-amyl acetate
Concen: 22.323 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 43 Resp: 76764

Ion	Ratio	Lower	Upper
43	100		
70	39.4	32.2	48.2
55	23.3	18.1	27.1
61	22.2	18.4	27.6





#75
1,1,2,2-Tetrachloroethane
Concen: 22.167 ug/l
RT: 11.213 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

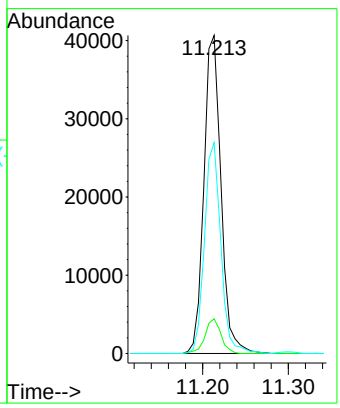
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

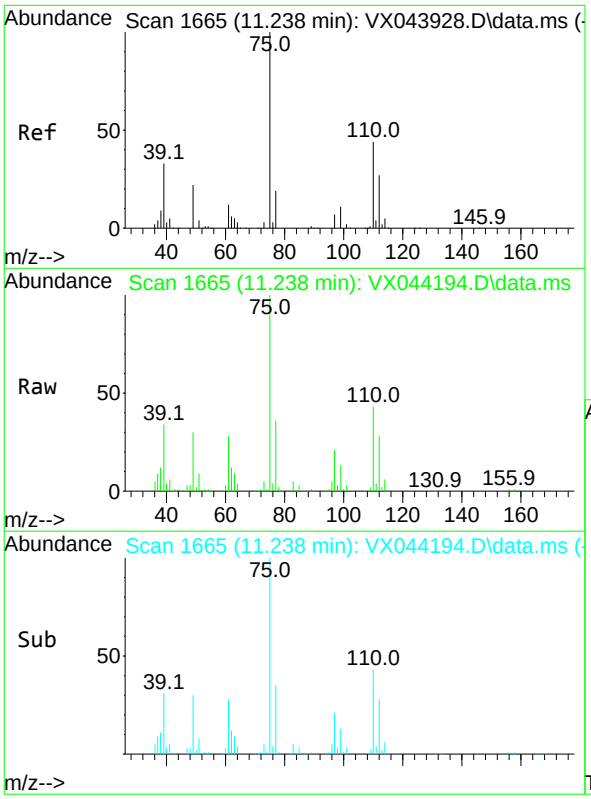
Tgt Ion: 83 Resp: 56343

Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.1	15.2
85	63.5	32.2	96.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

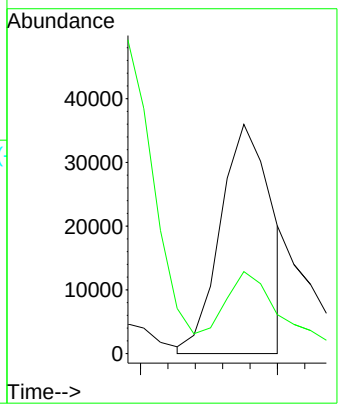


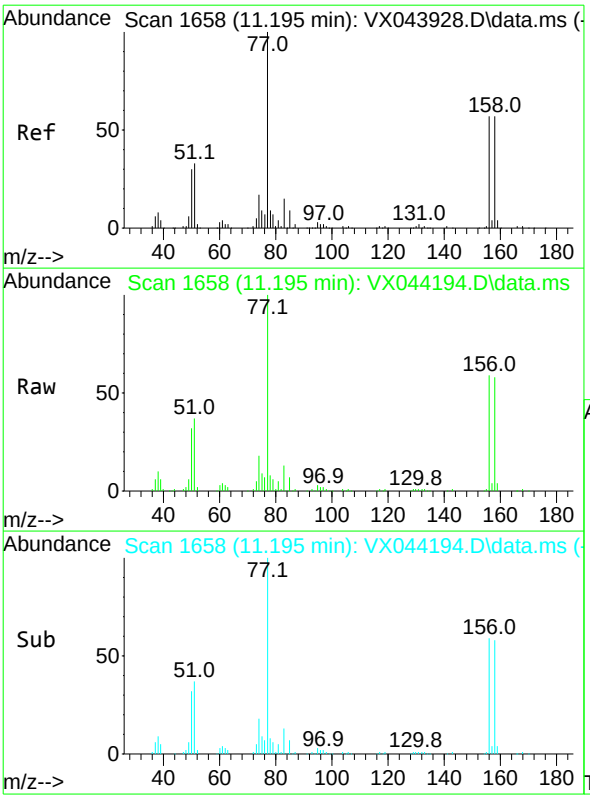


#76
1,2,3-Trichloropropane
Concen: 21.966 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 75 Resp: 46519

Ion	Ratio	Lower	Upper
75	100		
77	42.5	21.8	65.3





#77
Bromobenzene
Concen: 21.699 ug/l
RT: 11.195 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

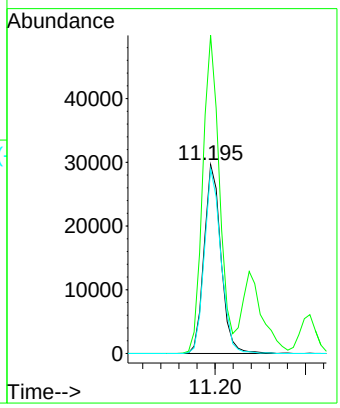
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

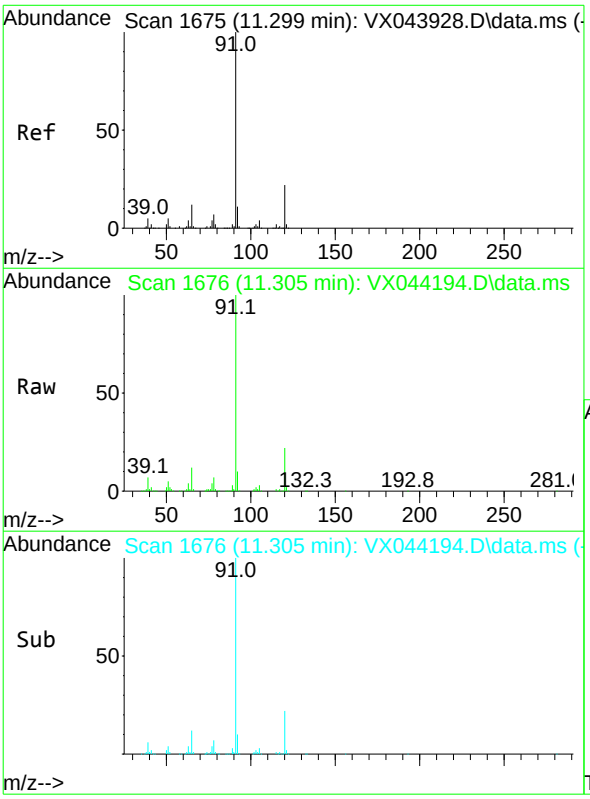
Tgt Ion:156 Resp: 38424

Ion	Ratio	Lower	Upper
156	100		
77	166.7	83.4	250.1
158	96.4	47.6	142.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

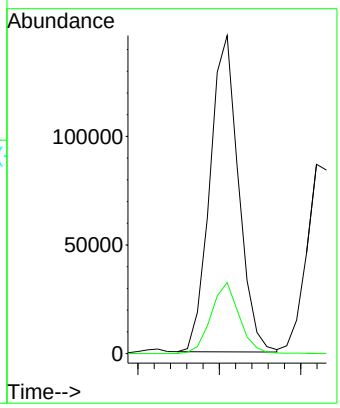


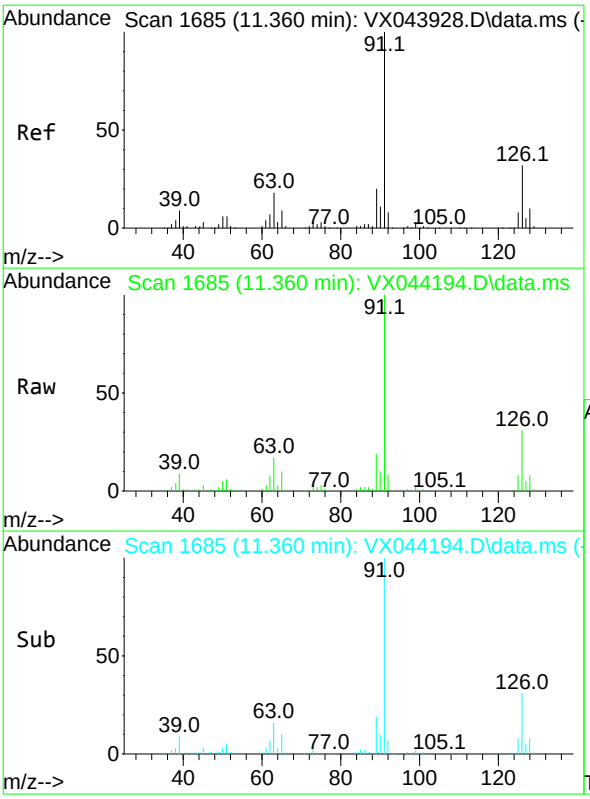


#78
n-propylbenzene
Concen: 21.463 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 91 Resp: 177942

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.5	34.4





#79
2-Chlorotoluene
Concen: 21.661 ug/l
RT: 11.360 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

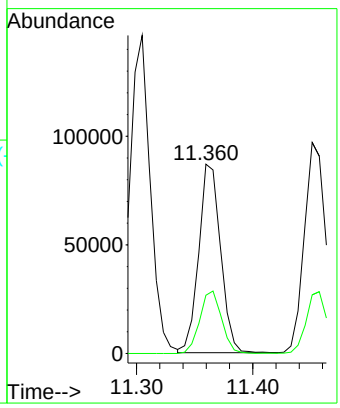
Tgt Ion: 91 Resp: 113558

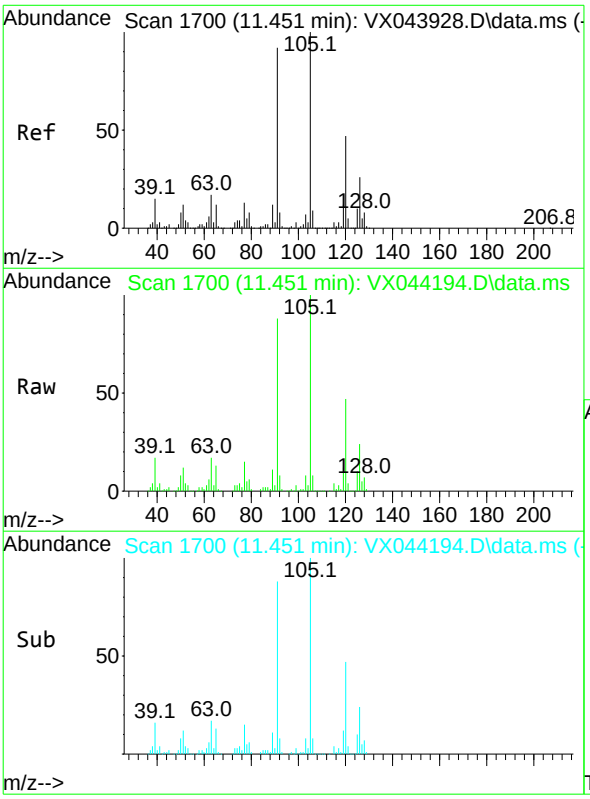
Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.6	49.8

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

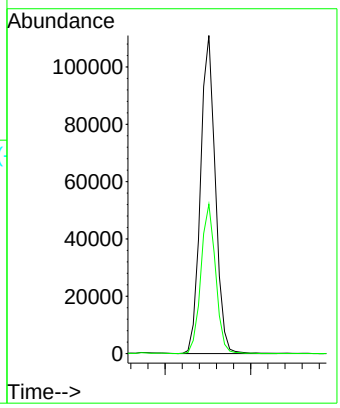


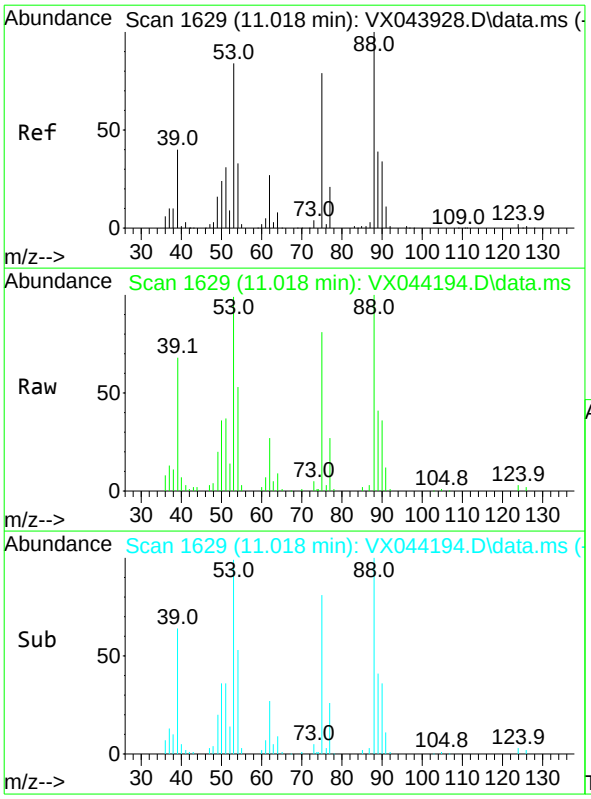


#80
1,3,5-Trimethylbenzene
Concen: 21.866 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion:105 Resp: 133542

Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.3	69.8





#81
trans-1,4-Dichloro-2-butene
Concen: 17.499 ug/l
RT: 11.018 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

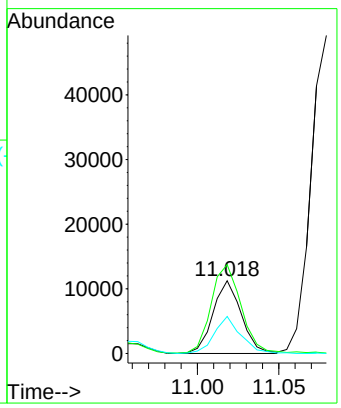
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

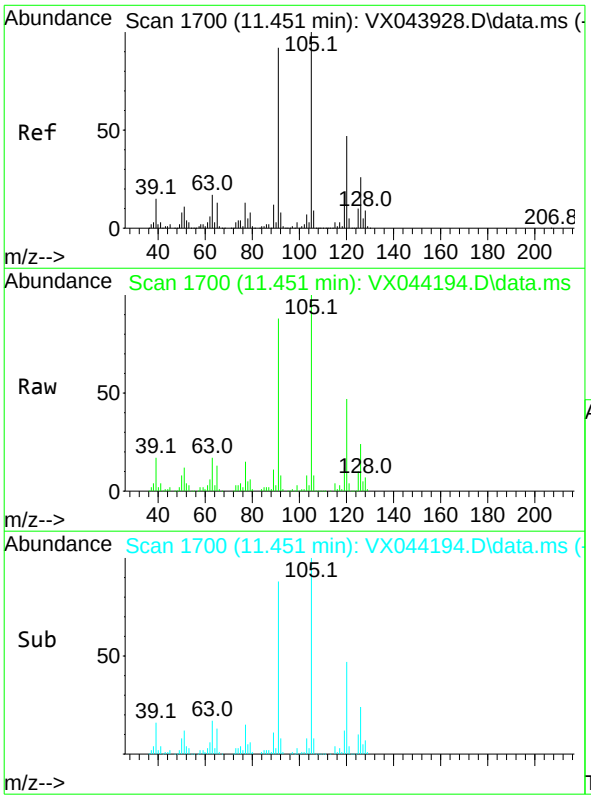
Tgt Ion: 75 Resp: 13581

Ion	Ratio	Lower	Upper
75	100		
53	131.4	86.7	130.1#
89	47.8	38.2	57.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

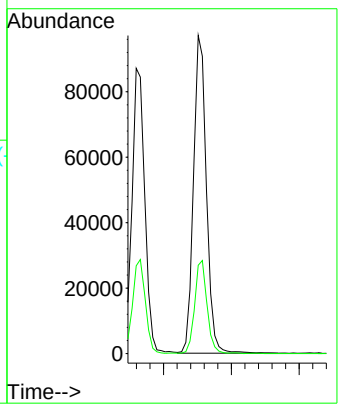


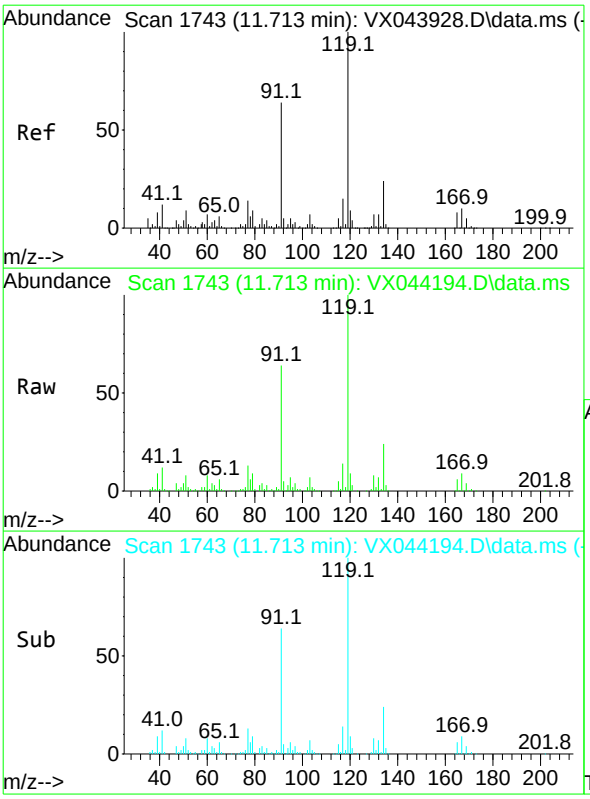


#82
4-Chlorotoluene
Concen: 21.641 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 91 Resp: 128085

Ion	Ratio	Lower	Upper
91	100		
126	28.2	14.3	42.9





#83
tert-Butylbenzene
Concen: 22.274 ug/l
RT: 11.713 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

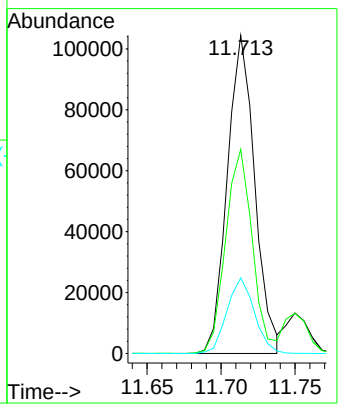
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

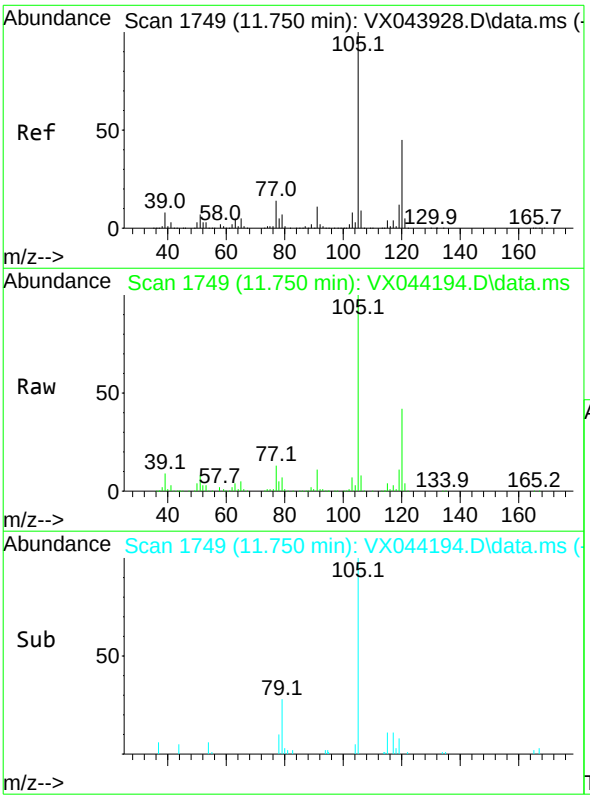
Tgt Ion:119 Resp: 134832

Ion	Ratio	Lower	Upper
119	100		
91	62.7	31.0	93.0
134	23.7	11.6	34.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

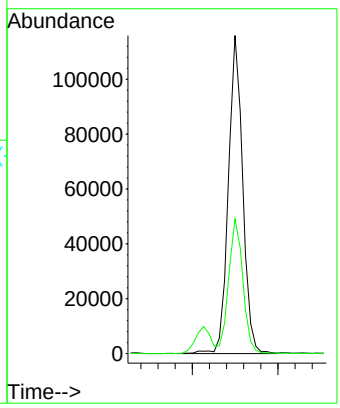


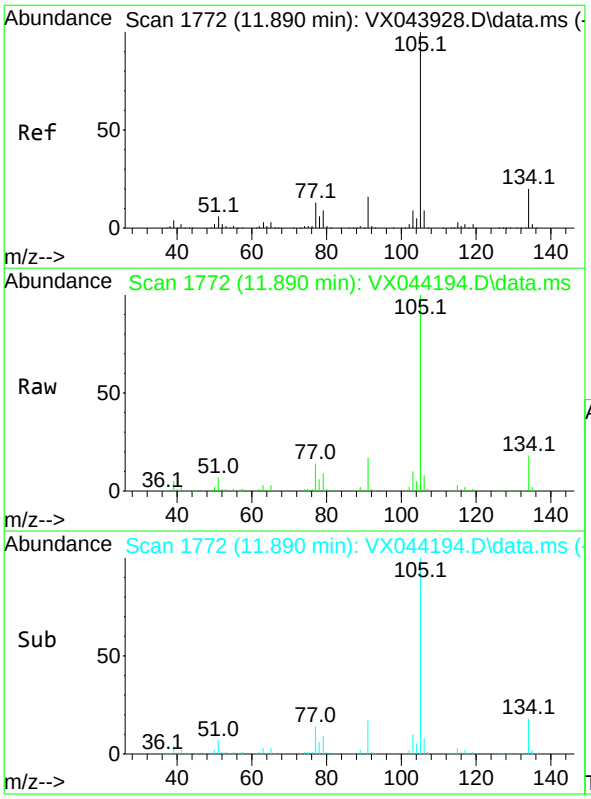


#84
1,2,4-Trimethylbenzene
Concen: 22.155 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion:105 Resp: 134709

Ion	Ratio	Lower	Upper
105	100		
120	42.5	21.9	65.7

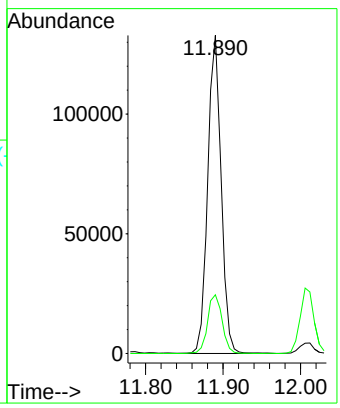




#85
sec-Butylbenzene
Concen: 21.541 ug/l
RT: 11.890 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion:105 Resp: 159764

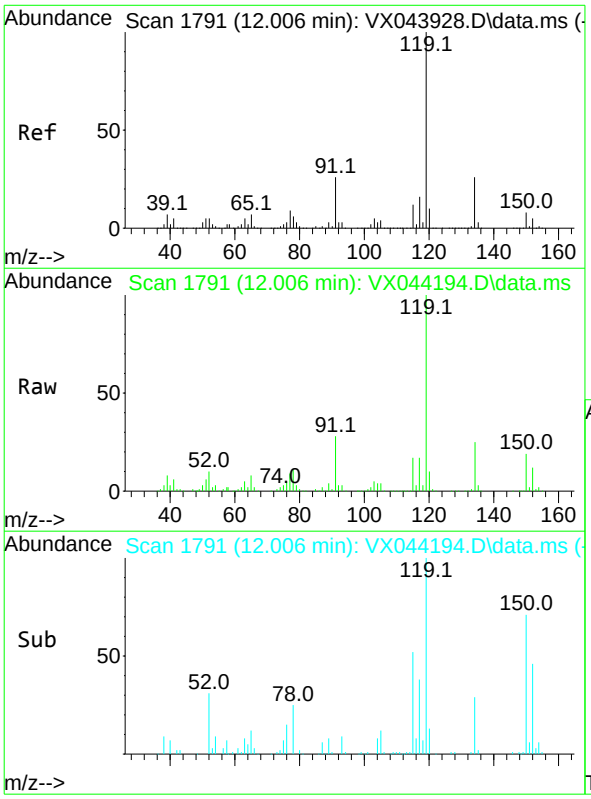
Ion	Ratio	Lower	Upper
105	100		
134	20.0	9.7	29.1



Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

Manual Integrations
APPROVED

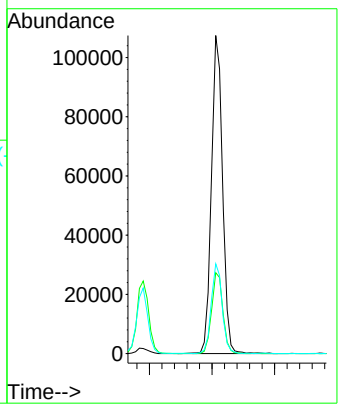
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

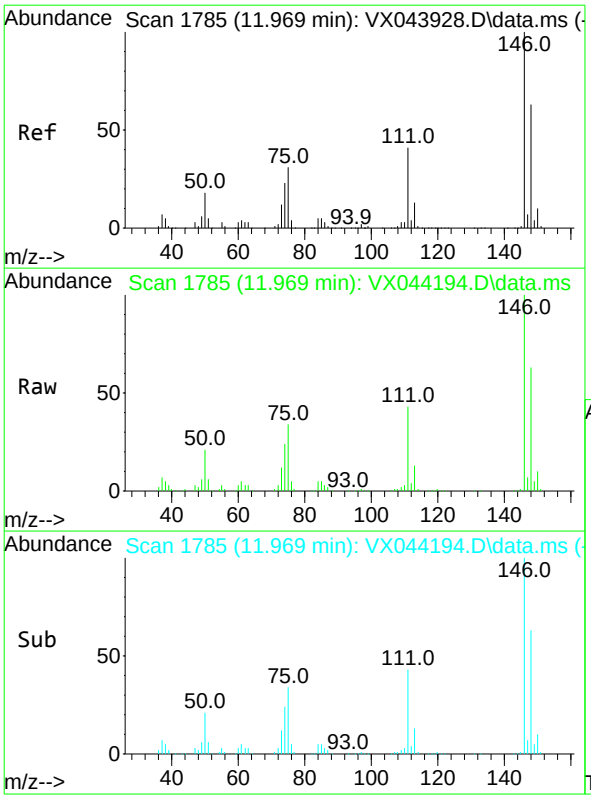


#86
p-Isopropyltoluene
Concen: 22.027 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion:119 Resp: 132697

Ion	Ratio	Lower	Upper
119	100		
134	25.7	13.0	38.9
91	27.8	13.0	38.9





#87
1,3-Dichlorobenzene
Concen: 20.645 ug/l
RT: 11.969 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

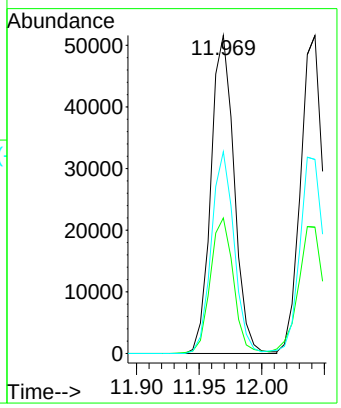
Tgt Ion:146 Resp: 66585

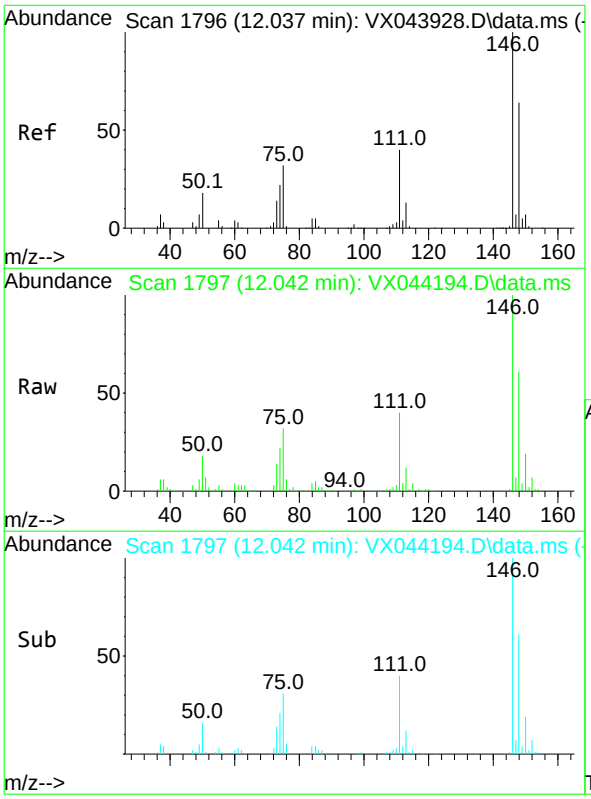
Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.1	63.3
148	62.0	31.7	95.1

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

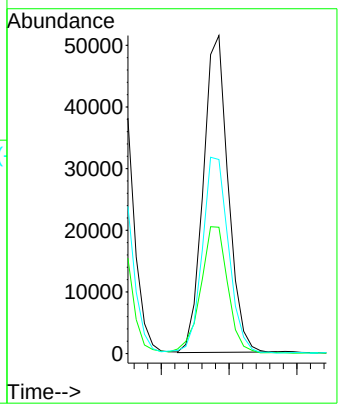


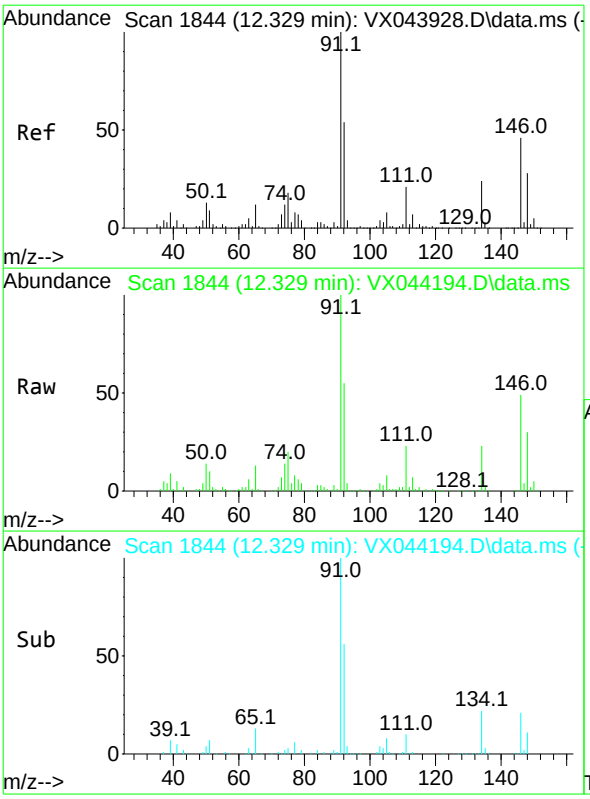


#88
1,4-Dichlorobenzene
Concen: 19.982 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion:146 Resp: 65706

Ion	Ratio	Lower	Upper
146	100		
111	43.4	20.1	60.3
148	65.4	30.9	92.8

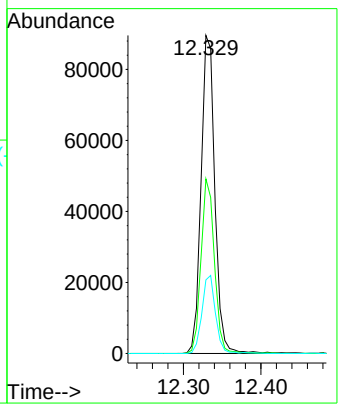




#89
n-Butylbenzene
Concen: 20.826 ug/l
RT: 12.329 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 91 Resp: 110620

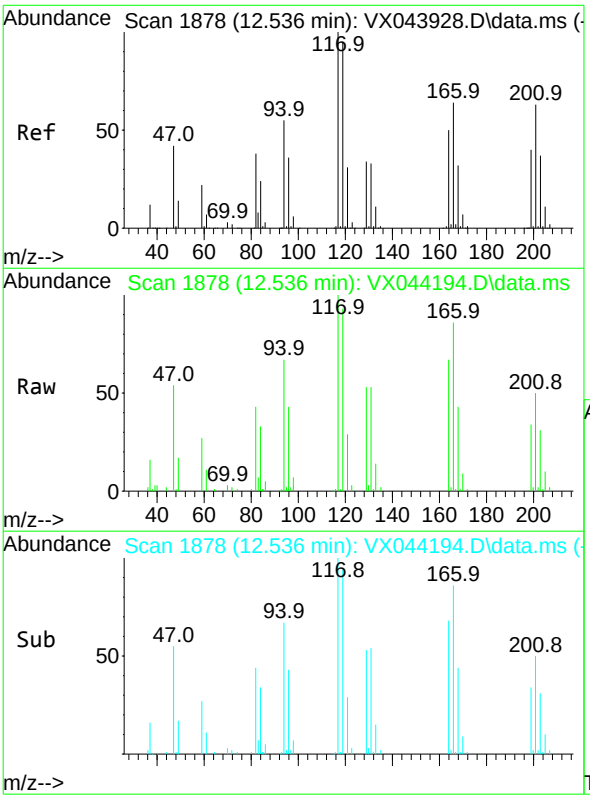
Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.6	79.8
134	24.3	12.4	37.2



Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

Manual Integrations
APPROVED

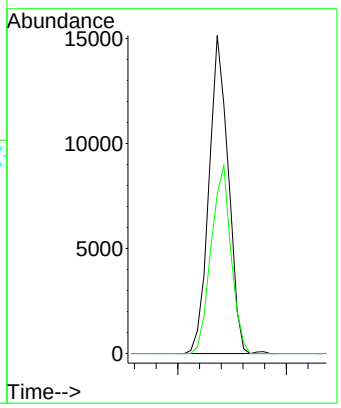
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

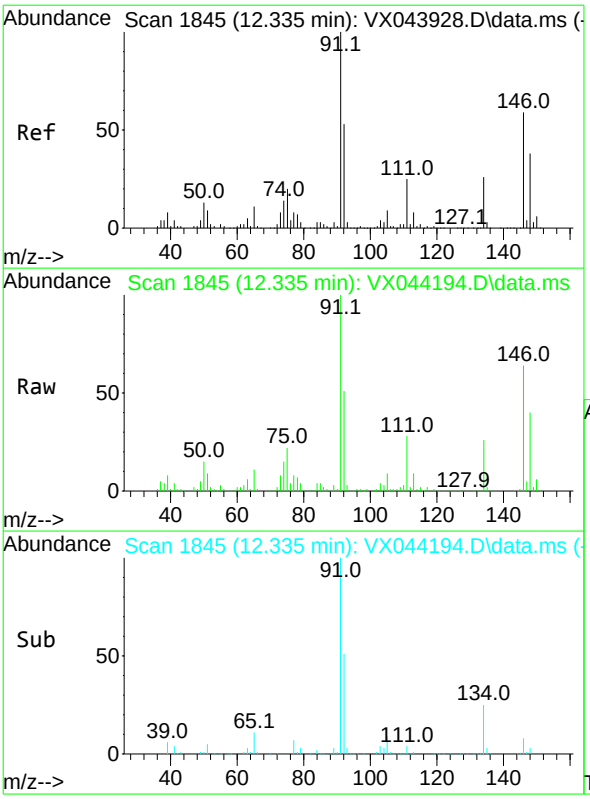


#90
Hexachloroethane
Concen: 18.309 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion:117 Resp: 18756

Ion	Ratio	Lower	Upper
117	100		
201	60.6	32.4	97.0





#91
1,2-Dichlorobenzene
Concen: 21.257 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

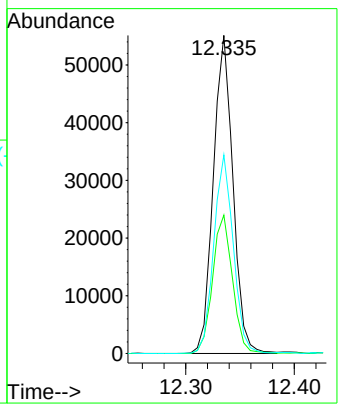
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

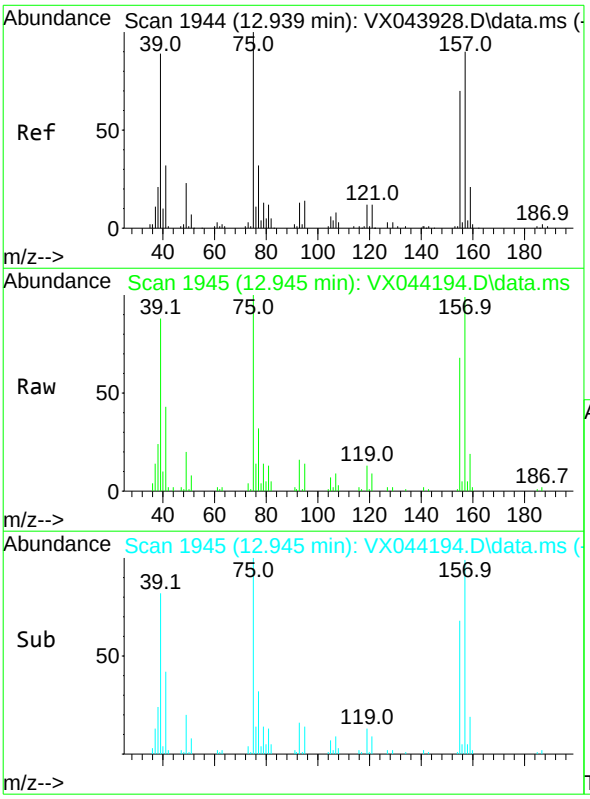
Tgt Ion:146 Resp: 69186

Ion	Ratio	Lower	Upper
146	100		
111	44.2	21.5	64.5
148	62.3	31.9	95.5

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

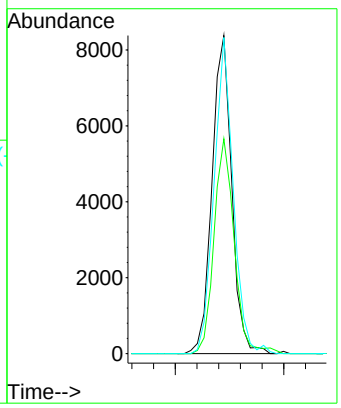


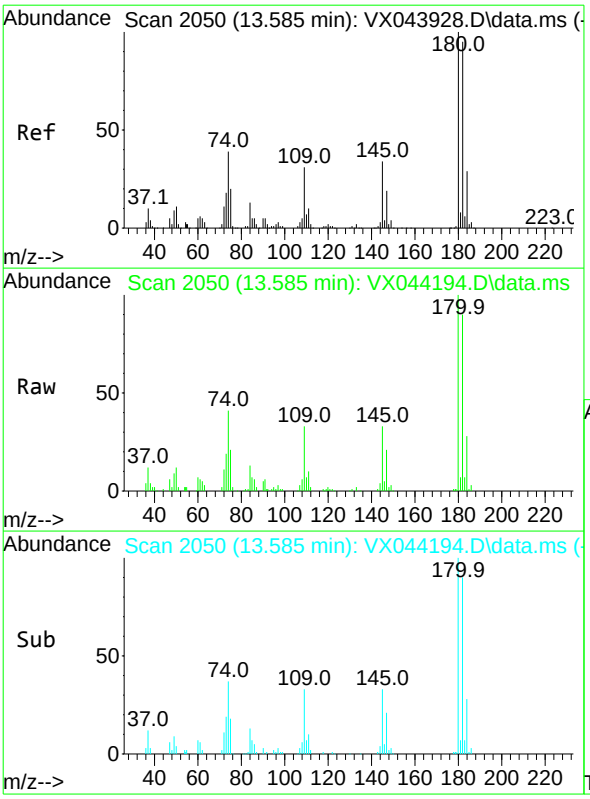


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.679 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 75 Resp: 10532

Ion	Ratio	Lower	Upper
75	100		
155	69.2	40.1	120.2
157	96.9	49.6	149.0

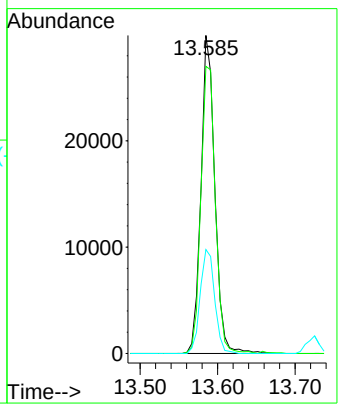




#93
1,2,4-Trichlorobenzene
Concen: 19.375 ug/l
RT: 13.585 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion:180 Resp: 37178

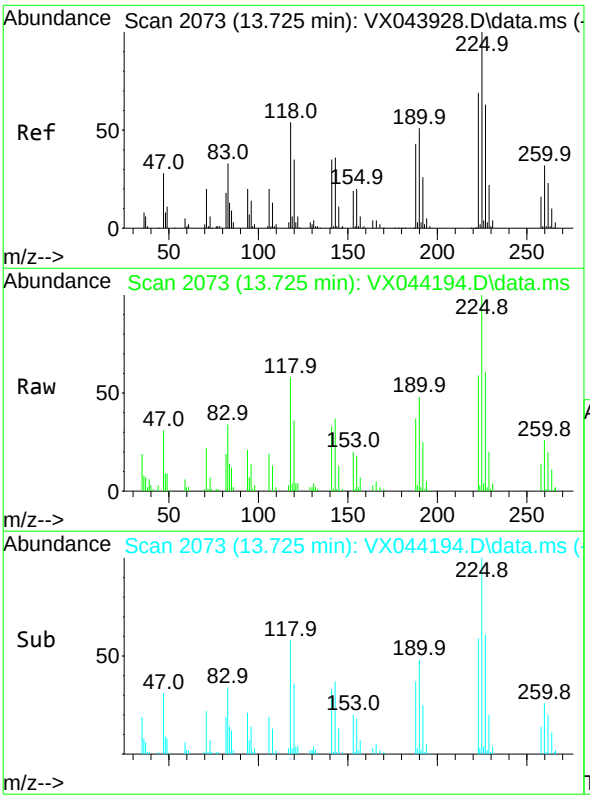
Ion	Ratio	Lower	Upper
180	100		
182	94.1	48.0	144.2
145	34.1	16.8	50.4



Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

Manual Integrations
APPROVED

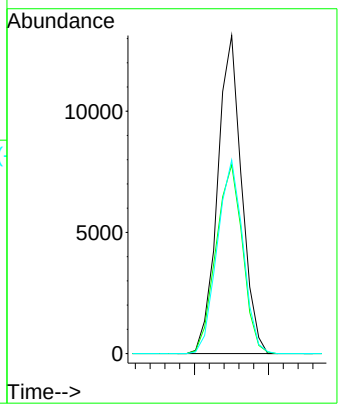
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

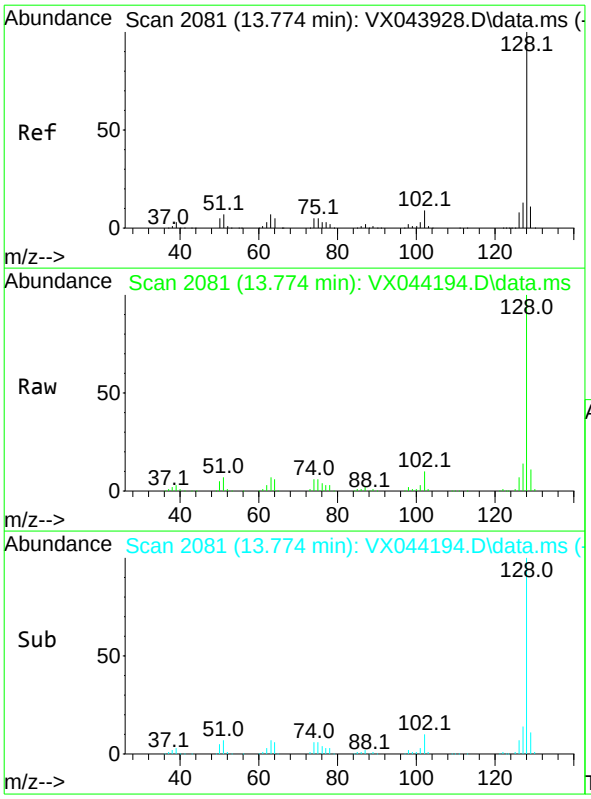


#94
Hexachlorobutadiene
Concen: 19.561 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion:225 Resp: 14835

Ion	Ratio	Lower	Upper
225	100		
223	65.2	32.9	98.6
227	64.7	31.6	94.8





#95
Naphthalene
Concen: 21.670 ug/l
RT: 13.774 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

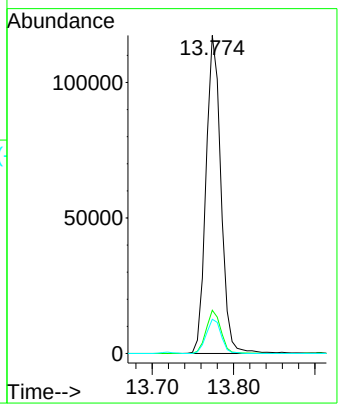
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

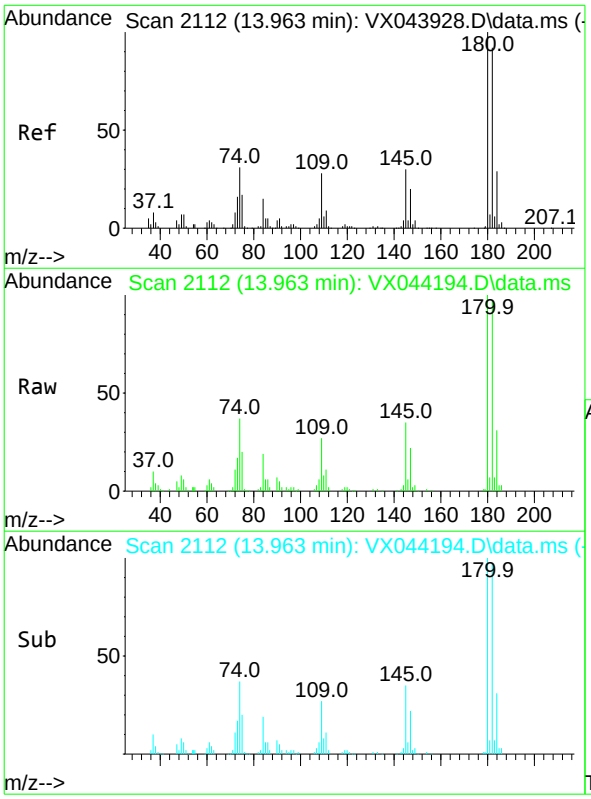
Tgt Ion:128 Resp: 149688

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.2	15.2
129	10.7	8.6	12.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

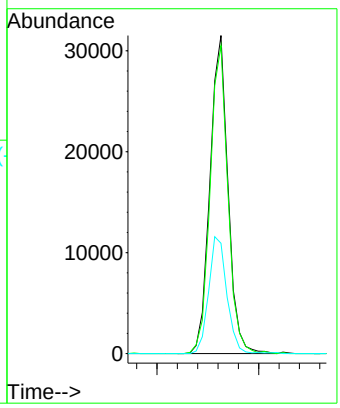




#96
1,2,3-Trichlorobenzene
Concen: 20.014 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion:180 Resp: 38872

Ion	Ratio	Lower	Upper
180	100		
182	95.3	45.6	136.8
145	37.2	16.4	49.4



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

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
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
VSTDCCC050	VX043948.D	1,2,3-Trichloropropane	MMDadoda	11/29/2024 8:03:03 AM	SAM	11/29/2024 8:03:34 AM	Peak Integrated by Software
VSTDCCC050	VX043948.D	2-Chloroethyl Vinyl ether	MMDadoda	11/29/2024 8:03:03 AM	SAM	11/29/2024 8:03:34 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VX120924	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX044174.D	1,2,3-Trichloropropane	JOHN	12/10/2024 9:53:49 AM	MMDadoda	12/10/2024 11:56:09 AM	Peak Integrated by Software
VX1209WBS01	VX044178.D	1,2,3-Trichloropropane	JOHN	12/10/2024 9:54:00 AM	MMDadoda	12/10/2024 11:56:12 AM	Peak Integrated by Software
VX1209WBSD01	VX044194.D	1,2,3-Trichloropropane	JOHN	12/10/2024 9:54:25 AM	MMDadoda	12/10/2024 11:56:18 AM	Peak Integrated by Software
VSTDCCC050	VX044195.D	1,2,3-Trichloropropane	JOHN	12/10/2024 9:54:29 AM	MMDadoda	12/10/2024 11:56:22 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VX121024	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX044197.D	1,2,3-Trichloropropane	JOHN	12/11/2024 10:09:47 AM	MMDadoda	12/11/2024 1:15:31 PM	Peak Integrated by Software
VX1210WBS01	VX044201.D	1,2,3-Trichloropropane	JOHN	12/11/2024 10:09:52 AM	MMDadoda	12/11/2024 1:15:32 PM	Peak Integrated by Software
VSTDCCC050	VX044217.D	1,2,3-Trichloropropane	JOHN	12/11/2024 10:10:56 AM	MMDadoda	12/11/2024 1:15:15 PM	Peak Integrated by Software

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

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	Not 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	Not Ok
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

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

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,M

M : Manual Integration

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX120924

Review By	John Carlone	Review On	12/10/2024 10:04:49 AM		
Supervise By	Mahesh Dadoda	Supervise On	12/10/2024 11:56:28 AM		
SubDirectory	VX120924	HP Acquire Method		HP Processing Method	82X112124W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132018
Initial Calibration Stds	
CCC	VP132019,VP132020
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX044173.D	09 Dec 2024 09:06	JC/MD	Ok
2	VSTDCCC050	VX044174.D	09 Dec 2024 09:42	JC/MD	Ok,M
3	VX1209MBL01	VX044175.D	09 Dec 2024 10:12	JC/MD	Ok
4	VX1209WBL01	VX044176.D	09 Dec 2024 10:35	JC/MD	Ok
5	VX1209MBS01	VX044177.D	09 Dec 2024 10:58	JC/MD	Ok,M
6	VX1209WBS01	VX044178.D	09 Dec 2024 11:24	JC/MD	Ok,M
7	P5098-01	VX044179.D	09 Dec 2024 11:47	JC/MD	Ok
8	P5133-01MEDL	VX044180.D	09 Dec 2024 12:10	JC/MD	Not Ok
9	IBLK	VX044181.D	09 Dec 2024 12:34	JC/MD	Ok
10	P5133-01ME	VX044182.D	09 Dec 2024 12:57	JC/MD	Ok
11	VX1209MBSD01	VX044183.D	09 Dec 2024 13:20	JC/MD	Not Ok
12	P5164-01	VX044184.D	09 Dec 2024 13:43	JC/MD	Not Ok
13	P5164-04	VX044185.D	09 Dec 2024 14:07	JC/MD	Not Ok
14	P5164-06	VX044186.D	09 Dec 2024 14:30	JC/MD	Ok
15	P5164-05	VX044187.D	09 Dec 2024 14:54	JC/MD	ReRun
16	P5164-02	VX044188.D	09 Dec 2024 15:17	JC/MD	Ok
17	P5164-03	VX044189.D	09 Dec 2024 15:40	JC/MD	Ok
18	P5145-01	VX044190.D	09 Dec 2024 16:04	JC/MD	Ok
19	VX1209MBSD02	VX044191.D	09 Dec 2024 16:27	JC/MD	Not Ok
20	P5164-01	VX044192.D	09 Dec 2024 16:51	JC/MD	Ok
21	P5164-04	VX044193.D	09 Dec 2024 17:14	JC/MD	Ok

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX120924

Review By	John Carlone	Review On	12/10/2024 10:04:49 AM		
Supervise By	Mahesh Dadoda	Supervise On	12/10/2024 11:56:28 AM		
SubDirectory	VX120924	HP Acquire Method		HP Processing Method	82X112124W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132018
Initial Calibration Stds	
CCC	VP132019,VP132020
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	VX1209WBSD01	VX044194.D	09 Dec 2024 17:37	JC/MD	Ok,M
23	VSTDCCC050	VX044195.D	09 Dec 2024 18:00	JC/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX121024

Review By	John Carlone	Review On	12/11/2024 10:16:07 AM		
Supervise By	Mahesh Dadoda	Supervise On	12/11/2024 1:15:19 PM		
SubDirectory	VX121024	HP Acquire Method		HP Processing Method	82X112124W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132045
Initial Calibration Stds	
CCC	VP132046,VP132047
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX044196.D	10 Dec 2024 09:01	JC/MD	Ok
2	VSTDCCC050	VX044197.D	10 Dec 2024 10:43	JC/MD	Ok,M
3	VX1210MBL01	VX044198.D	10 Dec 2024 11:12	JC/MD	Ok
4	VX1210WBL01	VX044199.D	10 Dec 2024 11:35	JC/MD	Ok
5	P5164-05	VX044200.D	10 Dec 2024 11:59	JC/MD	Ok
6	VX1210WBS01	VX044201.D	10 Dec 2024 12:22	JC/MD	Ok,M
7	VX1210WBSD01	VX044202.D	10 Dec 2024 12:52	JC/MD	Ok,M
8	IBLK	VX044203.D	10 Dec 2024 13:15	JC/MD	Ok
9	P5193-01	VX044204.D	10 Dec 2024 13:39	JC/MD	Ok
10	P5193-02	VX044205.D	10 Dec 2024 14:02	JC/MD	Ok
11	P5193-03	VX044206.D	10 Dec 2024 14:26	JC/MD	Ok
12	P5193-04	VX044207.D	10 Dec 2024 14:49	JC/MD	Ok
13	P5224-01	VX044208.D	10 Dec 2024 15:13	JC/MD	Ok
14	P5220-03	VX044209.D	10 Dec 2024 15:36	JC/MD	Not Ok
15	P5243-01	VX044210.D	10 Dec 2024 16:00	JC/MD	Ok
16	P5243-02	VX044211.D	10 Dec 2024 16:23	JC/MD	Ok
17	IBLK	VX044212.D	10 Dec 2024 16:47	JC/MD	Ok
18	IBLK	VX044213.D	10 Dec 2024 17:10	JC/MD	Ok
19	P5246-02	VX044214.D	10 Dec 2024 17:33	JC/MD	Ok
20	P5246-01	VX044215.D	10 Dec 2024 17:57	JC/MD	Ok
21	P5220-03	VX044216.D	10 Dec 2024 18:20	JC/MD	Ok

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX121024

Review By	John Carlone	Review On	12/11/2024 10:16:07 AM		
Supervise By	Mahesh Dadoda	Supervise On	12/11/2024 1:15:19 PM		
SubDirectory	VX121024	HP Acquire Method		HP Processing Method	82X112124W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132045
Initial Calibration Stds	
CCC	VP132046,VP132047
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	VSTDCCC050	VX044217.D	10 Dec 2024 18:44	JC/MD	Ok,M

M : Manual Integration

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

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	Not 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	Not Ok
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

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

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	TB01-20241118	VX043938.D	21 Nov 2024 16:27	vial A pH<2 TB;	JC/MD	Ok
25	P4934-09	FB01-20241119	VX043939.D	21 Nov 2024 16:50	vial A pH<2 FB;	JC/MD	Ok
26	P4934-11	RB01-20241119	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	DUP01-20241118	VX043945.D	21 Nov 2024 19:09	vial A pH<2	JC/MD	Ok
32	P4934-12	DUP02-20241119	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,M

M : Manual Integration

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX120924

Review By	John Carlone	Review On	12/10/2024 10:04:49 AM		
Supervise By	Mahesh Dadoda	Supervise On	12/10/2024 11:56:28 AM		
SubDirectory	VX120924	HP Acquire Method		HP Processing Method	82X112124W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132018
Initial Calibration Stds	
CCC	VP132019,VP132020
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	VX044173.D	09 Dec 2024 09:06		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX044174.D	09 Dec 2024 09:42	V13516	JC/MD	Ok,M
3	VX1209MBL01	VX1209MBL01	VX044175.D	09 Dec 2024 10:12		JC/MD	Ok
4	VX1209WBL01	VX1209WBL01	VX044176.D	09 Dec 2024 10:35		JC/MD	Ok
5	VX1209MBS01	VX1209MBS01	VX044177.D	09 Dec 2024 10:58		JC/MD	Ok,M
6	VX1209WBS01	VX1209WBS01	VX044178.D	09 Dec 2024 11:24		JC/MD	Ok,M
7	P5098-01	TR-04-12042024	VX044179.D	09 Dec 2024 11:47		JC/MD	Ok
8	P5133-01MEDL	MOO-24-00374MEDL	VX044180.D	09 Dec 2024 12:10	run straight MEOH	JC/MD	Not Ok
9	IBLK	IBLK	VX044181.D	09 Dec 2024 12:34		JC/MD	Ok
10	P5133-01ME	MOO-24-00374ME	VX044182.D	09 Dec 2024 12:57		JC/MD	Ok
11	VX1209MBSD01	VX1209WBSD01	VX044183.D	09 Dec 2024 13:20	Recovery fail	JC/MD	Not Ok
12	P5164-01	RE108D2-20241206	VX044184.D	09 Dec 2024 13:43	Run @ Lower Dilution	JC/MD	Not Ok
13	P5164-04	RE105D2-20241206	VX044185.D	09 Dec 2024 14:07	Run @ Lower Dilution	JC/MD	Not Ok
14	P5164-06	FB-20241206	VX044186.D	09 Dec 2024 14:30	vial A pH<2 FB	JC/MD	Ok
15	P5164-05	TB	VX044187.D	09 Dec 2024 14:54	vial A pH<2 TB; Hit of com# 3	JC/MD	ReRun
16	P5164-02	RE108D1-20241206	VX044188.D	09 Dec 2024 15:17	vial A pH<2	JC/MD	Ok
17	P5164-03	RE105D1-20241206	VX044189.D	09 Dec 2024 15:40	vial A pH<2	JC/MD	Ok
18	P5145-01	286085	VX044190.D	09 Dec 2024 16:04	vial A pH<2	JC/MD	Ok

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX120924

Review By	John Carlone	Review On	12/10/2024 10:04:49 AM		
Supervise By	Mahesh Dadoda	Supervise On	12/10/2024 11:56:28 AM		
SubDirectory	VX120924	HP Acquire Method		HP Processing Method	82X112124W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132018
Initial Calibration Stds	
CCC	VP132019,VP132020
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	VX1209MBSD02	VX1209WBSD01	VX044191.D	09 Dec 2024 16:27	Recovery fail	JC/MD	Not Ok
20	P5164-01	RE108D2-20241206	VX044192.D	09 Dec 2024 16:51	vial A pH<2	JC/MD	Ok
21	P5164-04	RE105D2-20241206	VX044193.D	09 Dec 2024 17:14	vial A pH<2	JC/MD	Ok
22	VX1209WBSD01	VX1209WBSD01	VX044194.D	09 Dec 2024 17:37		JC/MD	Ok,M
23	VSTDCCC050	VSTDCCC050EC	VX044195.D	09 Dec 2024 18:00		JC/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX121024

Review By	John Carlone	Review On	12/11/2024 10:16:07 AM		
Supervise By	Mahesh Dadoda	Supervise On	12/11/2024 1:15:19 PM		
SubDirectory	VX121024	HP Acquire Method		HP Processing Method	82X112124W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132045
Initial Calibration Stds	
CCC	VP132046,VP132047
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	VX044196.D	10 Dec 2024 09:01		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX044197.D	10 Dec 2024 10:43	V13516	JC/MD	Ok,M
3	VX1210MBL01	VX1210MBL01	VX044198.D	10 Dec 2024 11:12		JC/MD	Ok
4	VX1210WBL01	VX1210WBL01	VX044199.D	10 Dec 2024 11:35		JC/MD	Ok
5	P5164-05	TB	VX044200.D	10 Dec 2024 11:59	vial B pH<2 TB	JC/MD	Ok
6	VX1210WBS01	VX1210WBS01	VX044201.D	10 Dec 2024 12:22		JC/MD	Ok,M
7	VX1210WBSD01	VX1210WBSD01	VX044202.D	10 Dec 2024 12:52	BSD high for com#52	JC/MD	Ok,M
8	IBLK	IBLK	VX044203.D	10 Dec 2024 13:15		JC/MD	Ok
9	P5193-01	Storage-Blank-SOIL-RE	VX044204.D	10 Dec 2024 13:39	vial A pH<2	JC/MD	Ok
10	P5193-02	Storage-Blank-WATER-	VX044205.D	10 Dec 2024 14:02	vial A pH<2	JC/MD	Ok
11	P5193-03	Storage-Blank-WATER-	VX044206.D	10 Dec 2024 14:26	vial A pH<2	JC/MD	Ok
12	P5193-04	Storage-Blank-SAMPLE	VX044207.D	10 Dec 2024 14:49	vial A pH<2	JC/MD	Ok
13	P5224-01	NP-WS-001	VX044208.D	10 Dec 2024 15:13	vial A pH<2	JC/MD	Ok
14	P5220-03	GAS-AUD-1610-1611-1	VX044209.D	10 Dec 2024 15:36	Run @ lower dilution	JC/MD	Not Ok
15	P5243-01	1203	VX044210.D	10 Dec 2024 16:00	vial A pH<2	JC/MD	Ok
16	P5243-02	1127-COMP	VX044211.D	10 Dec 2024 16:23	vial A pH<2	JC/MD	Ok
17	IBLK	IBLK	VX044212.D	10 Dec 2024 16:47		JC/MD	Ok
18	IBLK	IBLK	VX044213.D	10 Dec 2024 17:10		JC/MD	Ok

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX121024

Review By	John Carlone	Review On	12/11/2024 10:16:07 AM		
Supervise By	Mahesh Dadoda	Supervise On	12/11/2024 1:15:19 PM		
SubDirectory	VX121024	HP Acquire Method		HP Processing Method	82X112124W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132045
Initial Calibration Stds	
CCC	VP132046,VP132047
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P5246-02	TB-20241209	VX044214.D	10 Dec 2024 17:33	vial A pH<2 TB	JC/MD	Ok
20	P5246-01	MW7-20241209	VX044215.D	10 Dec 2024 17:57	vial A pH<2	JC/MD	Ok
21	P5220-03	GAS-AUD-1610-1611-1	VX044216.D	10 Dec 2024 18:20	vial A pH<2	JC/MD	Ok
22	VSTDCCC050	VSTDCCC050EC	VX044217.D	10 Dec 2024 18:44		JC/MD	Ok,M

M : Manual Integration

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

Prep Standard - Chemical Standard Summary

Order ID : P5164

Test : VOCMS Group1

Prepbatch ID :

Sequence ID/Qc Batch ID: VX120924,VX121024,

Standard ID :
VP128762,VP128766,VP130430,VP131746,VP131767,VP131987,VP132005,VP132018,VP132019,VP132020,VP132035,VP132045,VP132046,VP132047,

Chemical ID :
V12794,V12798,V13391,V13445,V13462,V13463,V13707,V13806,V14020,V14021,V14105,V14106,V14145,V14147,V14152,V14154,V14173,V14174,V14192,V14194,V14201,V14289,V14434,V14437,V14614,V14630,V14631,V14632,V14633,V14650,V14651,V14652,W3112,

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

VOC STANDARD PREPARATION LOG

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

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

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

VOC STANDARD PREPARATION LOG

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

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

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

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
51	8260 Working STD (Acrolein) -first source, 800PPM	VP131987	12/06/2024	01/05/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/12/2024

FROM 1.00000ml of V14652 + 1.50000ml of V14650 + 1.50000ml of V14651 + 21.00000ml of V14152 = Final Quantity: 25.000 ml

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

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	VP132005	12/09/2024	01/18/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/12/2024

FROM 0.40000ml of V13445 + 1.00000ml of V13806 + 1.00000ml of V14020 + 1.00000ml of V14021 + 1.00000ml of V14105 + 1.00000ml of V14106 + 1.00000ml of V14173 + 1.00000ml of V14174 + 1.00000ml of V14194 + 1.00000ml of V14434 + 1.00000ml of V14437 + 1.50000ml of V14192 + 1.50000ml of V14201 + 10.60000ml of V14152 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP132018	12/09/2024	12/10/2024	John Carlone	None	None	Semsettin Yesilyurt 12/10/2024

FROM 39.98400ml of W3112 + 0.01600ml of VP131767 = Final Quantity: 40.000 ml

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP132019	12/09/2024	12/10/2024	John Carlone	None	None	Semsettin Yesilyurt 12/10/2024

FROM 39.94450ml of W3112 + 0.00500ml of VP128766 + 0.00500ml of VP130430 + 0.00800ml of VP131746 + 0.01250ml of VP128762 + 0.01250ml of VP131987 + 0.01250ml of VP132005 = 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	VP132020	12/09/2024	12/10/2024	John Carlone	None	None	Semsettin Yesilyurt 12/10/2024

FROM 39.94450ml of W3112 + 0.00500ml of VP128766 + 0.00500ml of VP130430 + 0.00800ml of VP131746 + 0.01250ml of VP128762 + 0.01250ml of VP131987 + 0.01250ml of VP132005 = Final Quantity: 40.000 ml

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1810	8260 Working Std(2-CVE)-800ppm	VP132035	12/10/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/12/2024

FROM 1.00000ml of V14630 + 1.00000ml of V14631 + 1.00000ml of V14632 + 1.00000ml of V14633 + 46.00000ml of V14614 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP132045	12/10/2024	12/11/2024	John Carlone	None	None	Mahesh Dadoda 12/12/2024

FROM 39.98400ml of W3112 + 0.01600ml of VP131767 = Final Quantity: 40.000 ml

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP132046	12/10/2024	12/11/2024	John Carlone	None	None	Mahesh Dadoda 12/12/2024

FROM 39.94450ml of W3112 + 0.00500ml of VP128766 + 0.00500ml of VP130430 + 0.00800ml of VP131746 + 0.01250ml of VP131987 + 0.01250ml of VP132005 + 0.01250ml of VP132035 = 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	VP132047	12/10/2024	12/11/2024	John Carlone	None	None	Mahesh Dadoda 12/12/2024

FROM 39.94450ml of W3112 + 0.00500ml of VP128766 + 0.00500ml of VP130430 + 0.00800ml of VP131746 + 0.01250ml of VP131987 + 0.01250ml of VP132005 + 0.01250ml of VP132035 = Final Quantity: 40.000 ml

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 #
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	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	02/28/2025	11/26/2024 / SAM	01/23/2023 / SAM	V13445

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

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

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 #
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	03/16/2025	09/16/2024 / SAM	05/31/2023 / SAM	V13806

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	03/29/2025	11/26/2024 / SAM	11/22/2023 / SAM	V14020

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	03/29/2025	11/26/2024 / SAM	11/22/2023 / SAM	V14021

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	05/26/2025	11/26/2024 / SAM	12/22/2023 / SAM	V14105

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	05/26/2025	11/26/2024 / SAM	12/22/2023 / SAM	V14106

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	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	04/14/2025	10/14/2024 / SAM	02/06/2024 / SAM	V14152

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	05/26/2025	11/26/2024 / SAM	02/20/2024 / SAM	V14173

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	05/26/2025	11/26/2024 / SAM	02/20/2024 / SAM	V14174

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 #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0200785	05/26/2025	11/26/2024 / SAM	02/28/2024 / SAM	V14192

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	05/26/2025	11/26/2024 / SAM	02/28/2024 / SAM	V14194

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	05/26/2025	11/26/2024 / SAM	02/28/2024 / SAM	V14201

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	05/26/2025	11/26/2024 / SAM	08/15/2024 / SAM	V14434

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	05/26/2025	11/26/2024 / SAM	08/15/2024 / SAM	V14437

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	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	06/10/2025	12/10/2024 / SAM	11/26/2024 / SAM	V14614

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14630

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14631

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14632

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14633

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	120524	01/05/2025	12/06/2024 / SAM	12/06/2024 / SAM	V14650

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 #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	120524	01/05/2025	12/06/2024 / SAM	12/06/2024 / SAM	V14651

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	120524	01/05/2025	12/06/2024 / SAM	12/06/2024 / SAM	V14652

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

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

12 Bottles

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 Ethier

Jamie Ethier
Vice President Global Quality

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

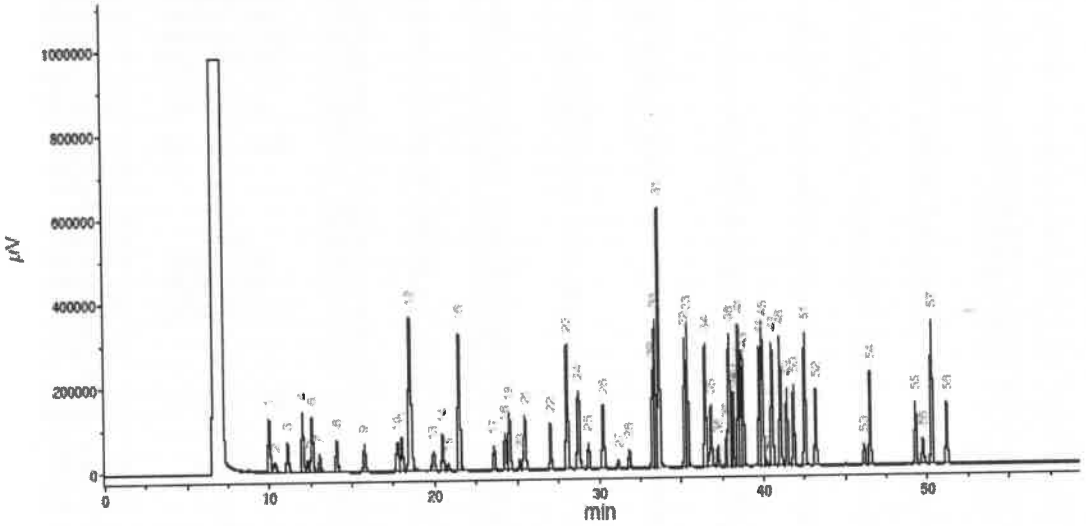
Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached 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

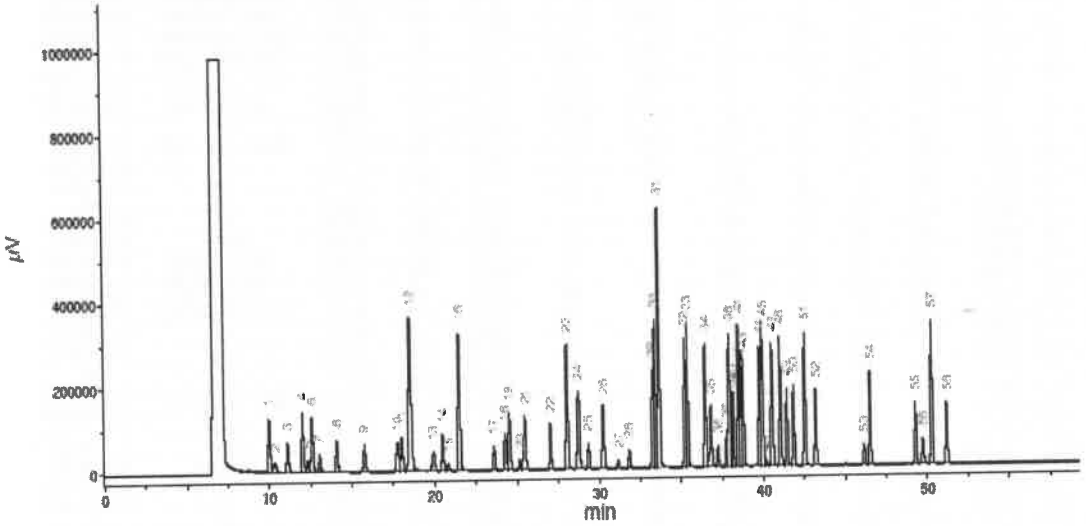
Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached 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
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.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

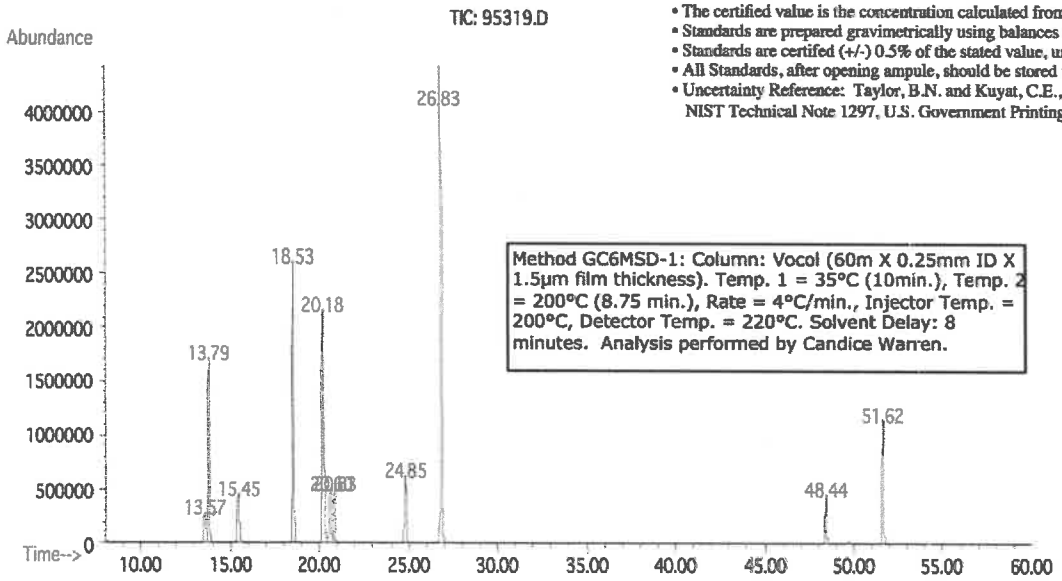
Part Number: 95319
Lot Number: 032922
Description: Revised Additions Mix
11 components
Expiration Date: 032925
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6UTB 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.012 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.

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 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.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

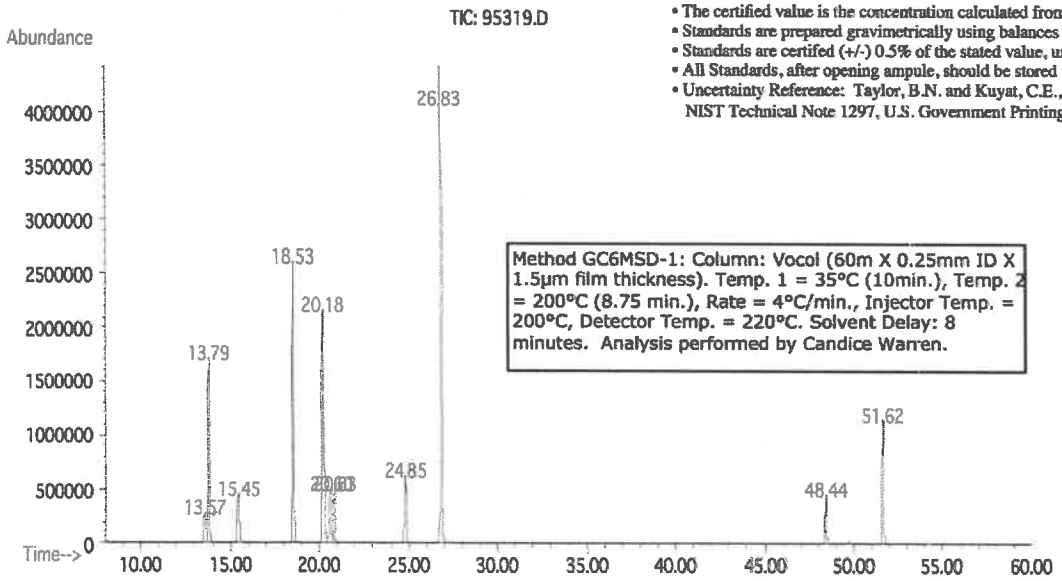
Part Number: 95319
Lot Number: 032922
Description: Revised Additions Mix
11 components
Expiration Date: 032925
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6UTB 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.012 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.

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 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.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 12/6/24
20 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

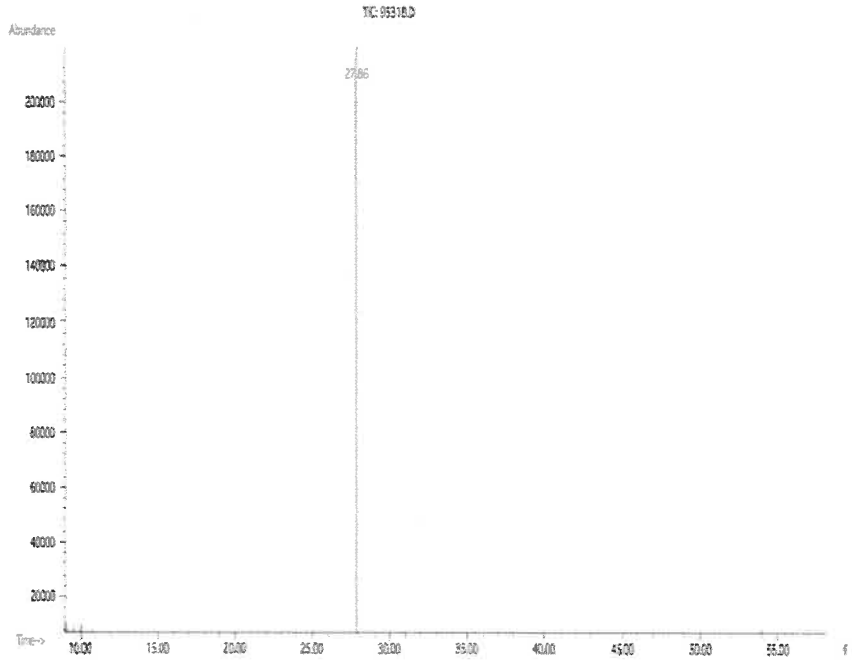
V14630 to V14649

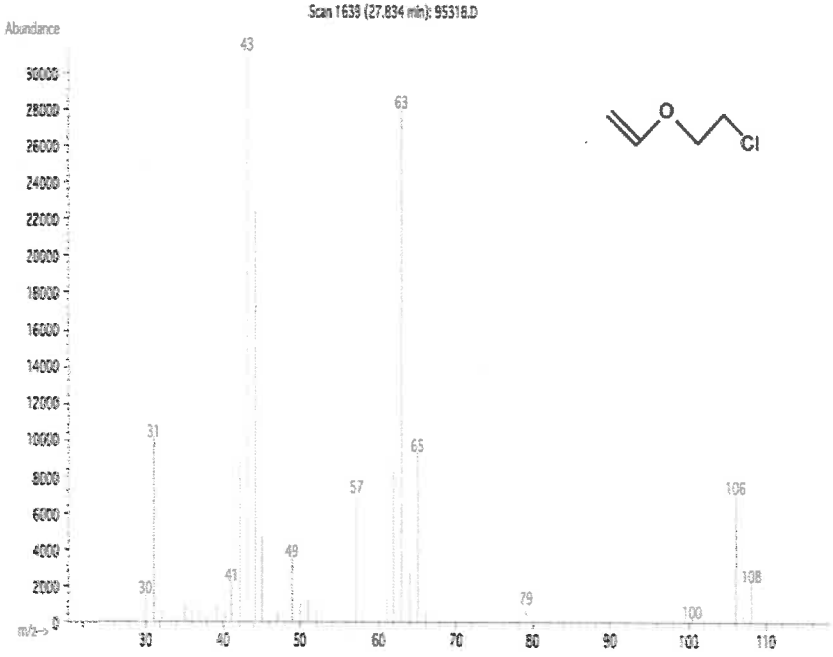
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan	120524
Formulated By: Prashant Chauhan	DATE
Pedro L. Rentas	120524
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	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-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 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).

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 Date Prepared/Revised	**1-352-323-3500** January 1, 2024

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
www.absolutestandards.com

Certified Reference Material CRM

Rec 12/6/24
20 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

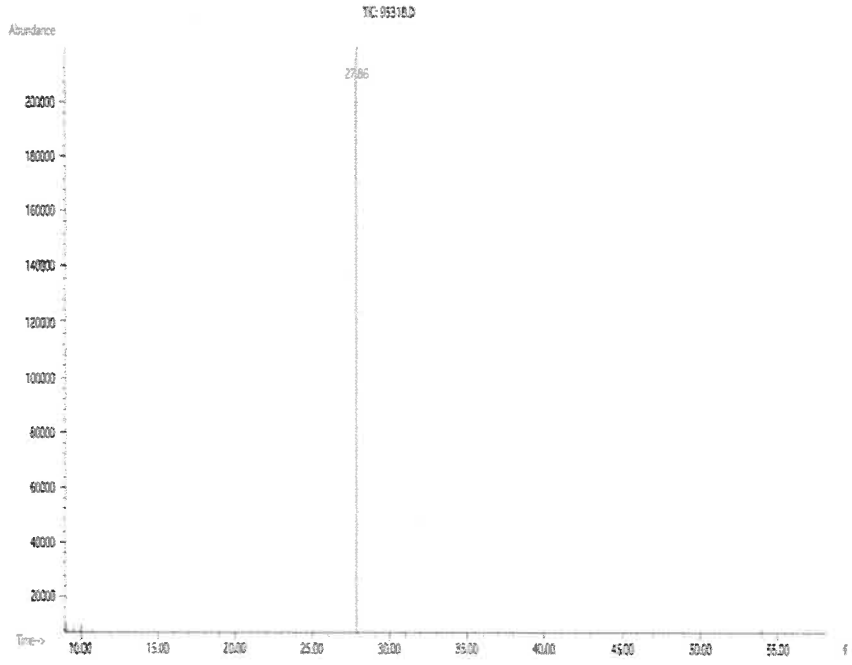
V14630 to V14649

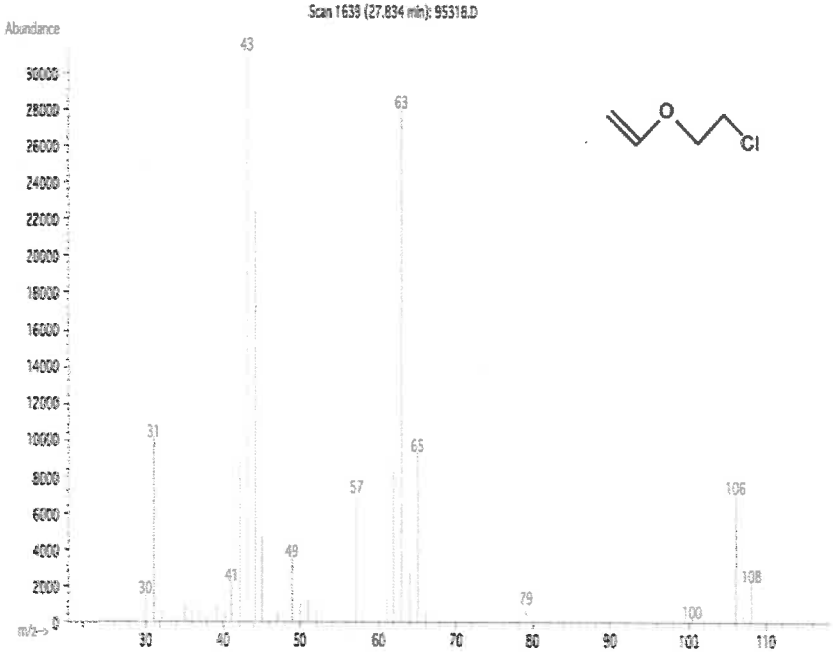
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan	120524
Formulated By: Prashant Chauhan	DATE
Pedro L. Rentas	120524
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	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-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 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).

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 Date Prepared/Revised	**1-352-323-3500** January 1, 2024

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
www.absolutestandards.com

Certified Reference Material CRM

Rec 12/6/24
20 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

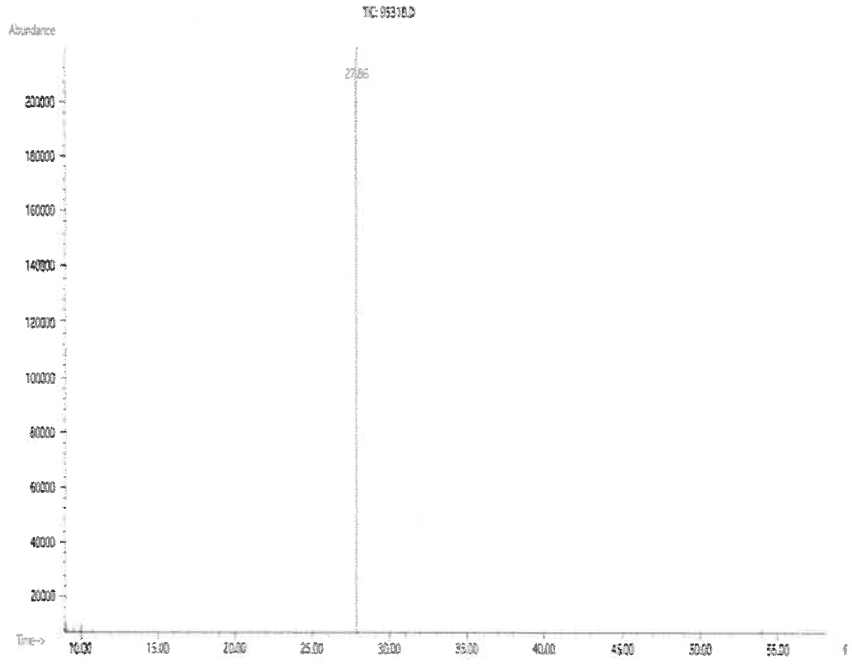
V14630 to V14649

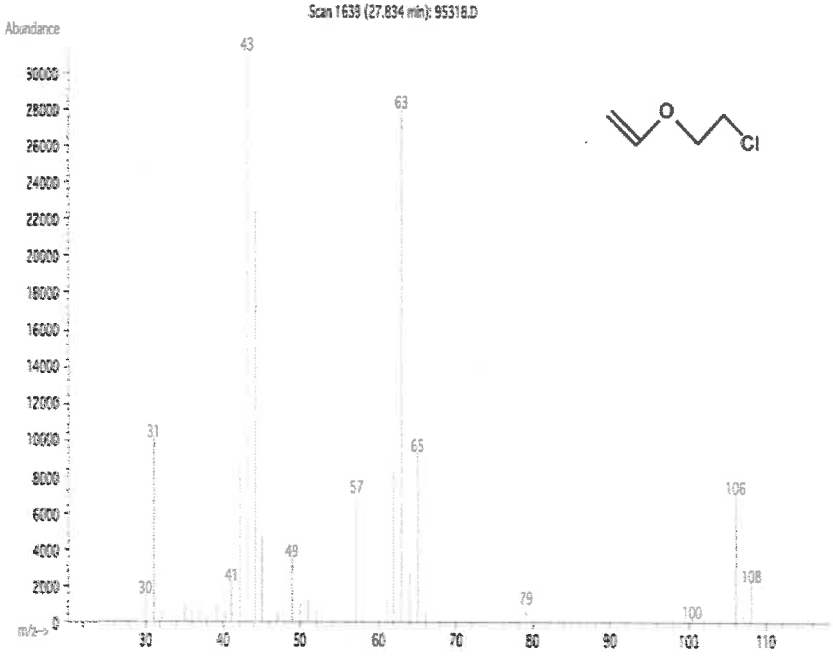
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan	120524
Formulated By: Prashant Chauhan	DATE
Pedro L. Rentas	120524
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	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-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 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).

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 Date Prepared/Revised	**1-352-323-3500** January 1, 2024

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
www.absolutestandards.com

Certified Reference Material CRM

Rec 12/6/24
20 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

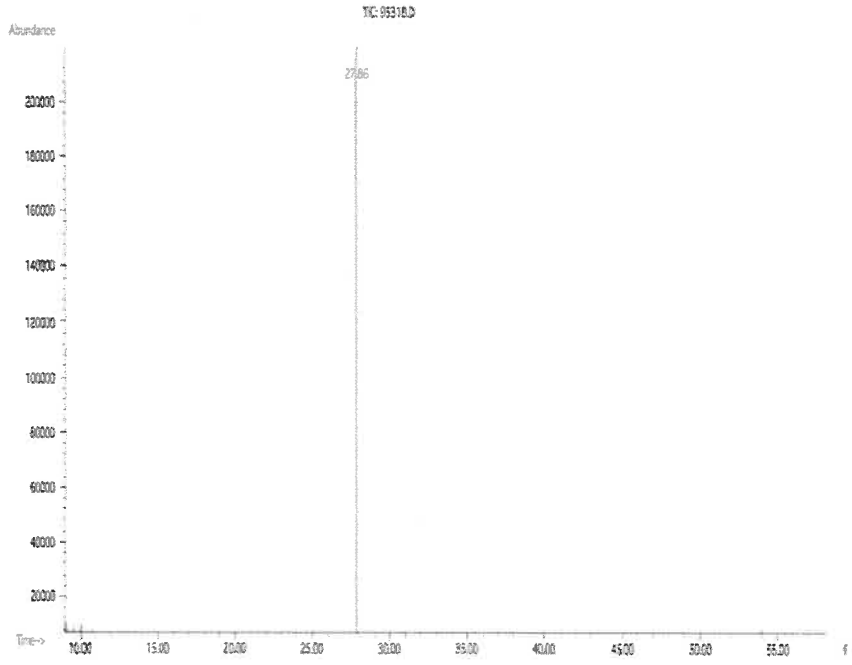
V14630 to V14649

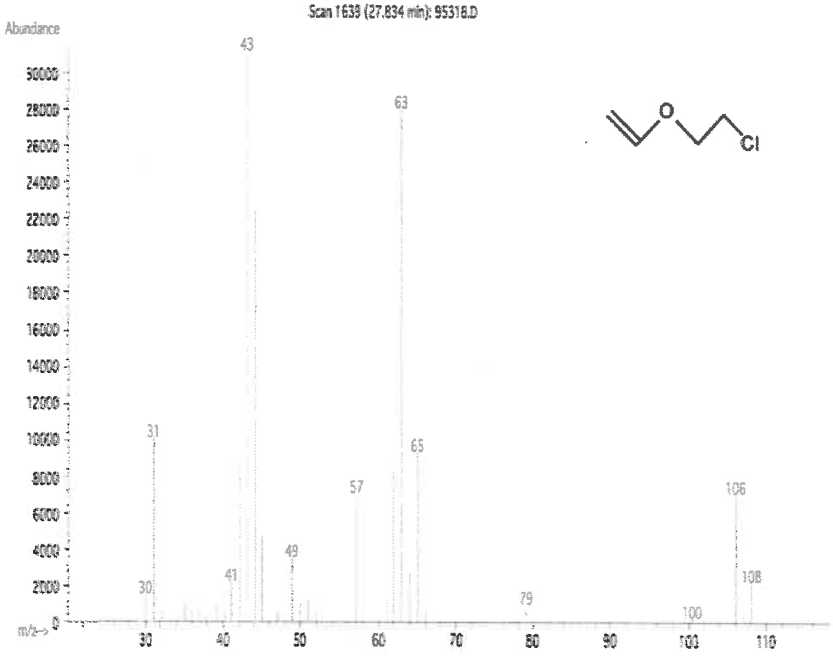
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan	120524
Formulated By: Prashant Chauhan	DATE
Pedro L. Rentas	120524
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	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-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 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).

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 Date Prepared/Revised	**1-352-323-3500** January 1, 2024

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
www.absolutestandards.com

Certified Reference Material CRM

Rec 12/6/24
5 Vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 120524
Description: Acrolein

Expiration Date: 010525
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

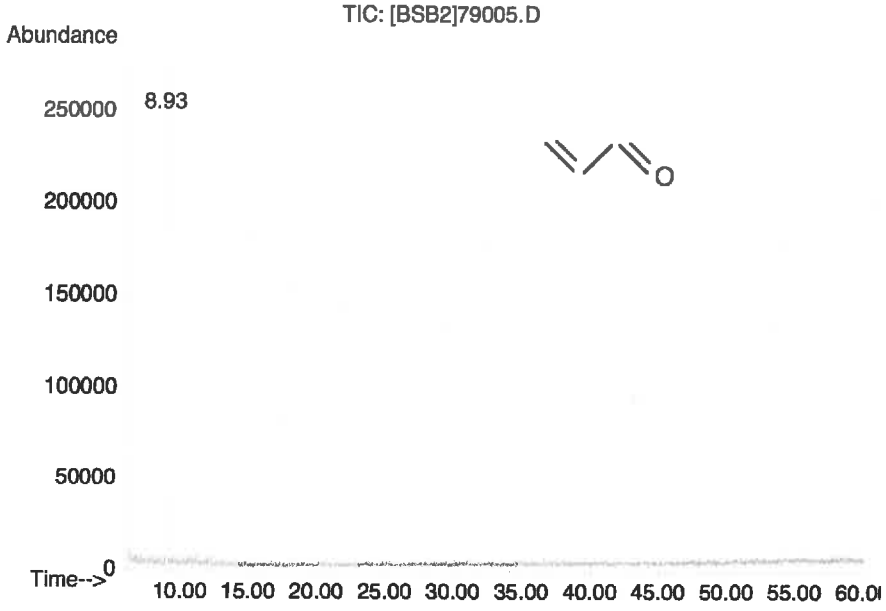
V14650-54

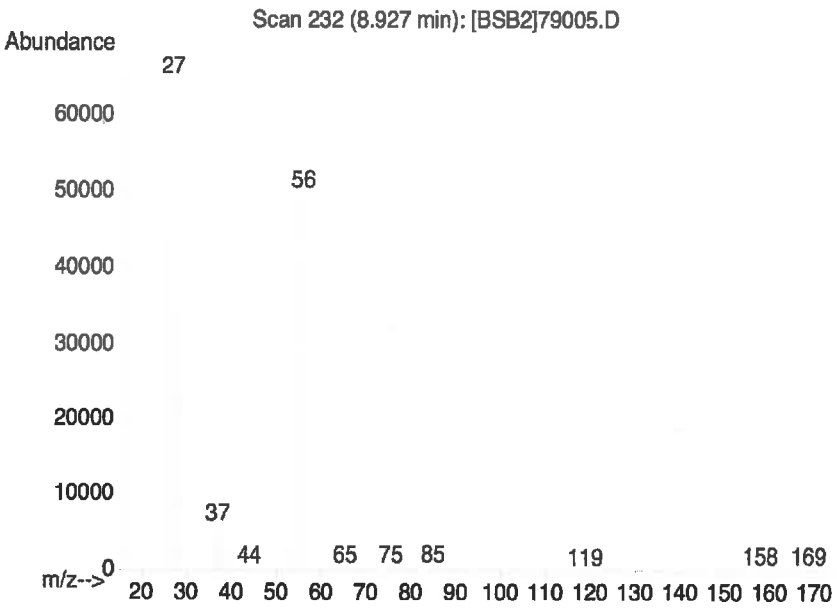
Prashant Chauhan		120524
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas		120524
Reviewed By:	Pedro L. Rentas	DATE

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	0.10320	5006.1	51.8	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 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).**

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.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 12/6/24
5 Vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 120524
Description: Acrolein

Expiration Date: 010525
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

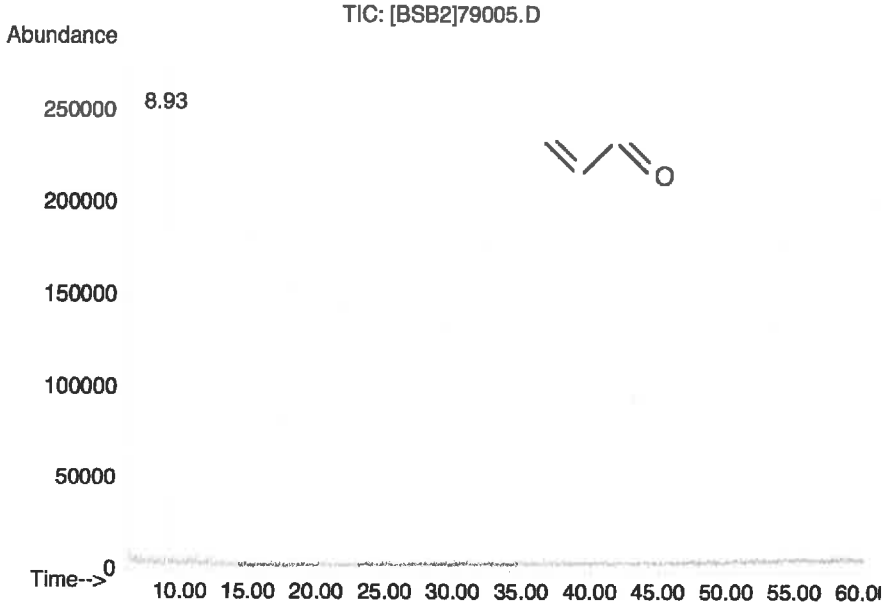
V14650-54

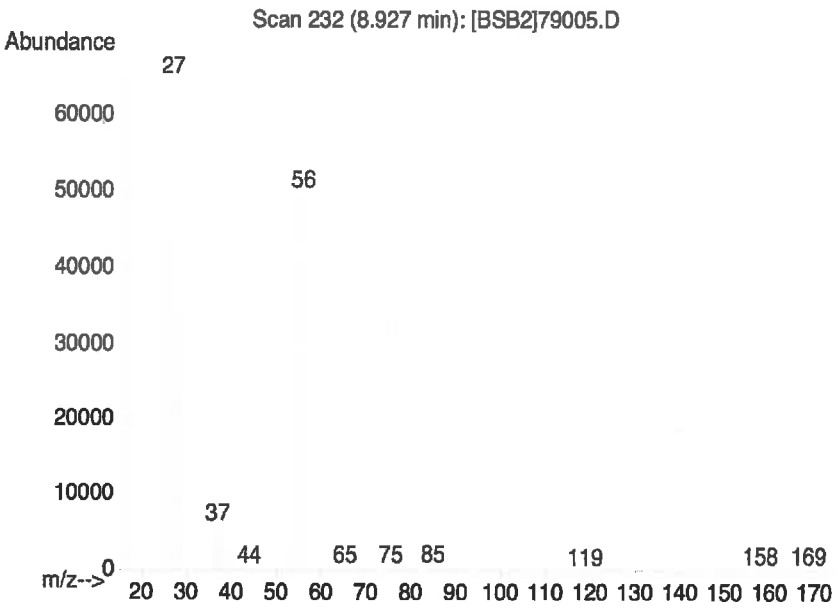
Prashant Chauhan		120524
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas		120524
Reviewed By:	Pedro L. Rentas	DATE

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	0.10320	5006.1	51.8	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 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).**

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.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 12/6/24
5 Vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 120524
Description: Acrolein

Expiration Date: 010525
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

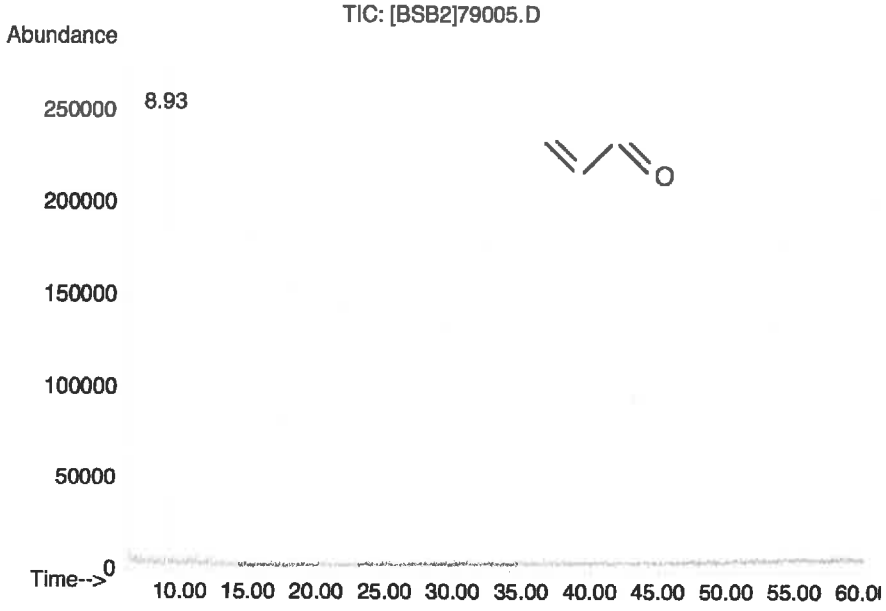
V14650-54

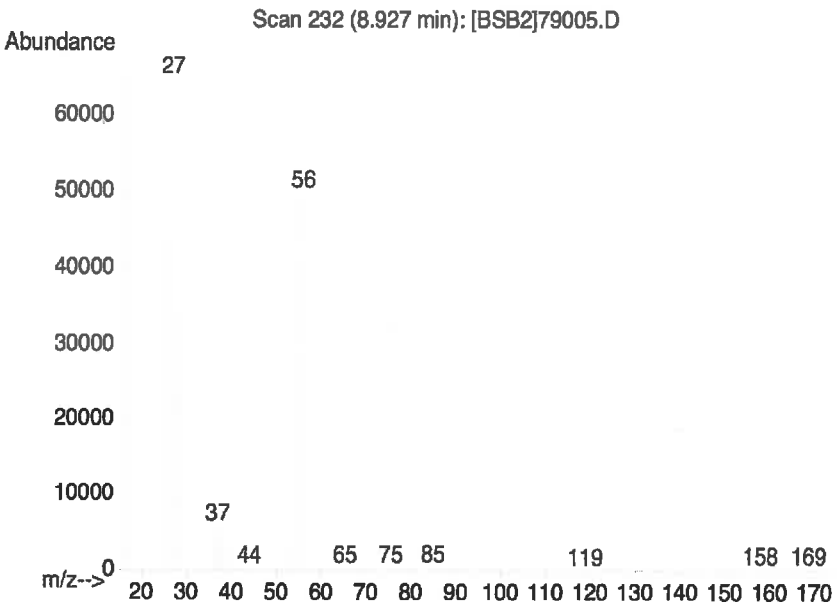
Prashant Chauhan		120524
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas		120524
Reviewed By:	Pedro L. Rentas	DATE

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	0.10320	5006.1	51.8	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 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).**

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.

Absolute Standards, Inc.
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

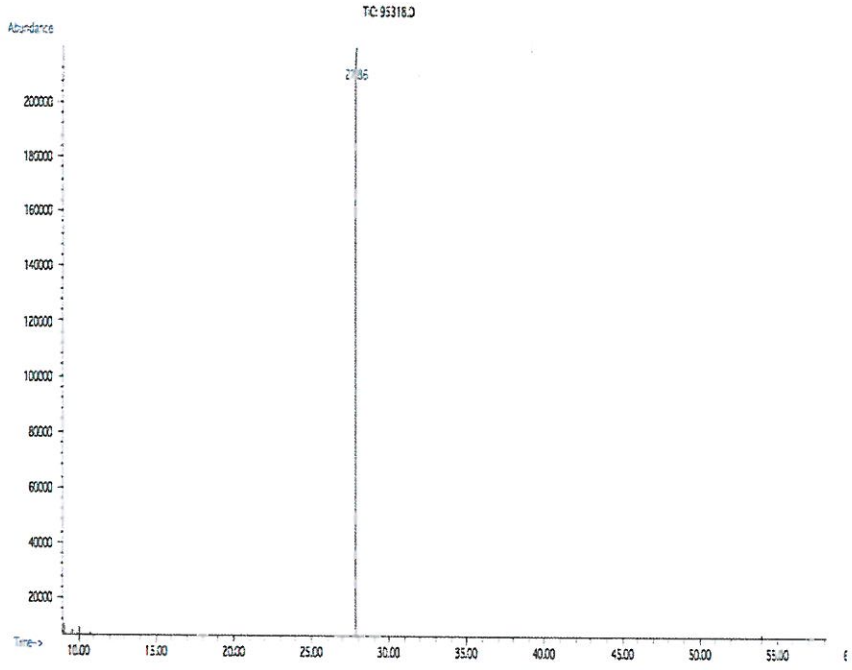
Solvent(s): **Lot#**
Methanol EA899-US

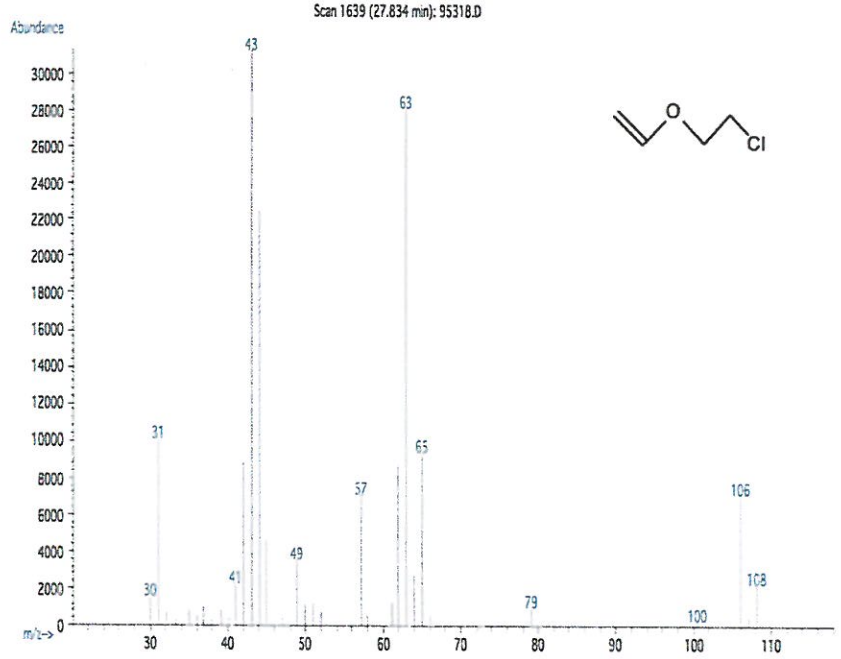
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 30.0 0.0003 Flask Uncertainty

		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).

Absolute Standards, Inc.
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

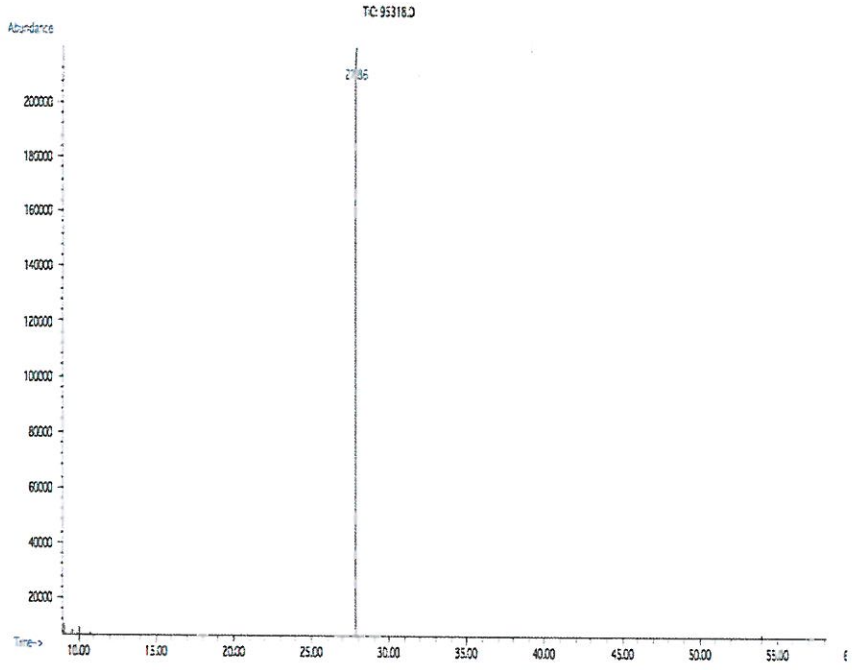
Solvent(s): **Lot#**
Methanol EA899-US

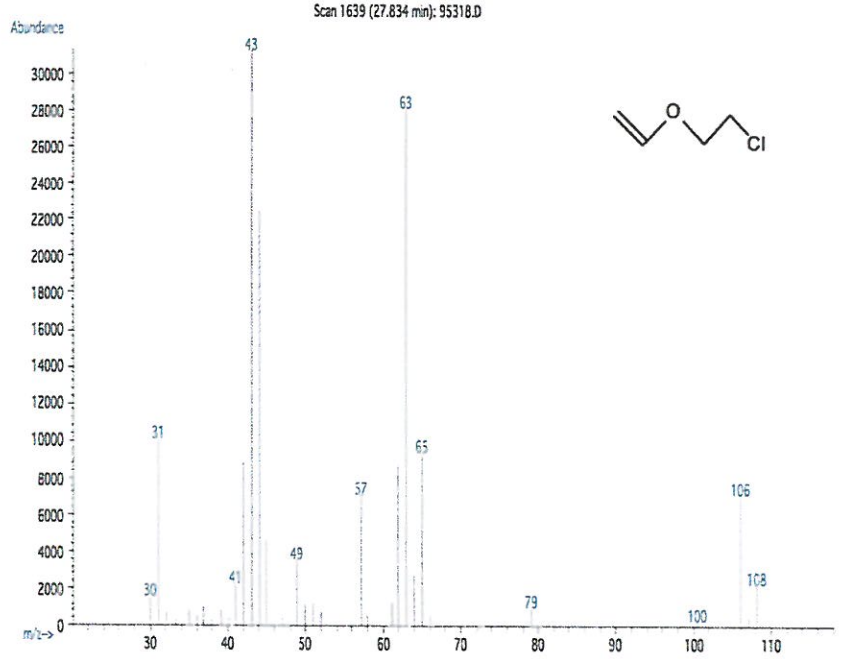
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 30.0 0.0003 Flask Uncertainty

		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).

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
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. : 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)

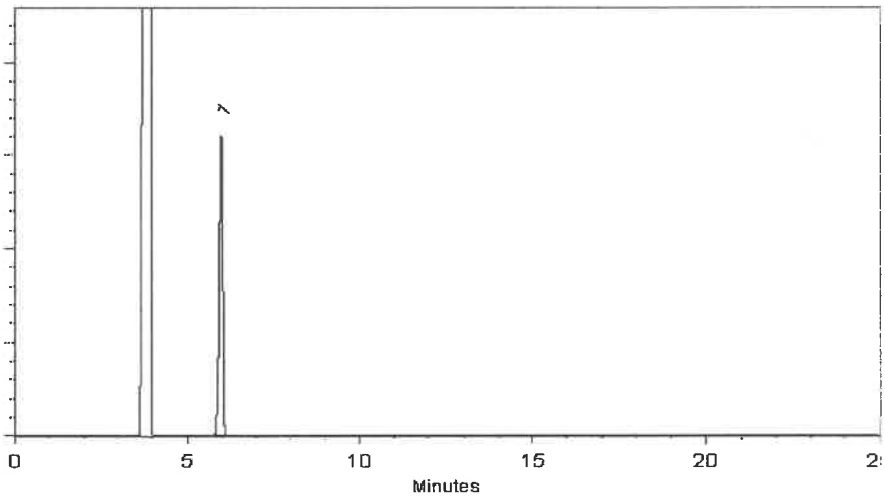
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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.

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

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
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. : 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.)

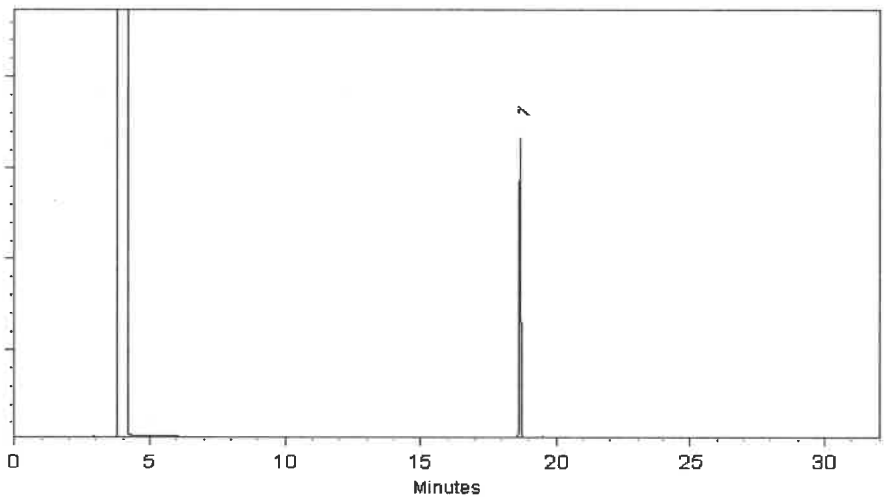
Inj. Temp:
200°C

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.

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

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
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. : 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.)

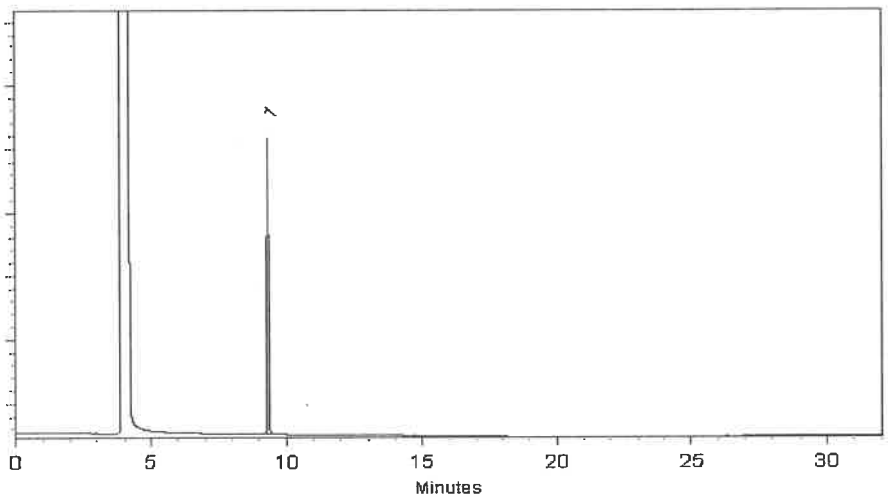
Inj. Temp:
200°C

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.

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

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
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. : 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.)

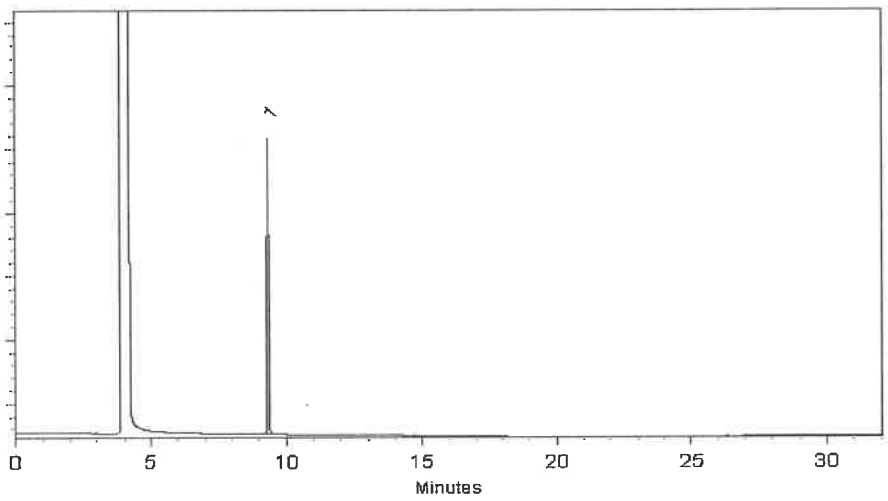
Inj. Temp:
200°C

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.

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

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED 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. : 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.

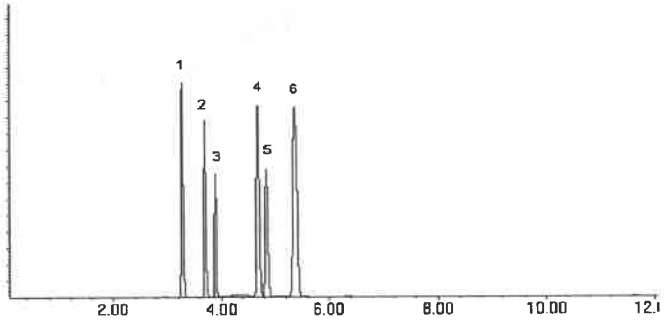
Inj. Temp:
200°C

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.
- 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

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
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. : 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:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  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

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
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. : 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.)

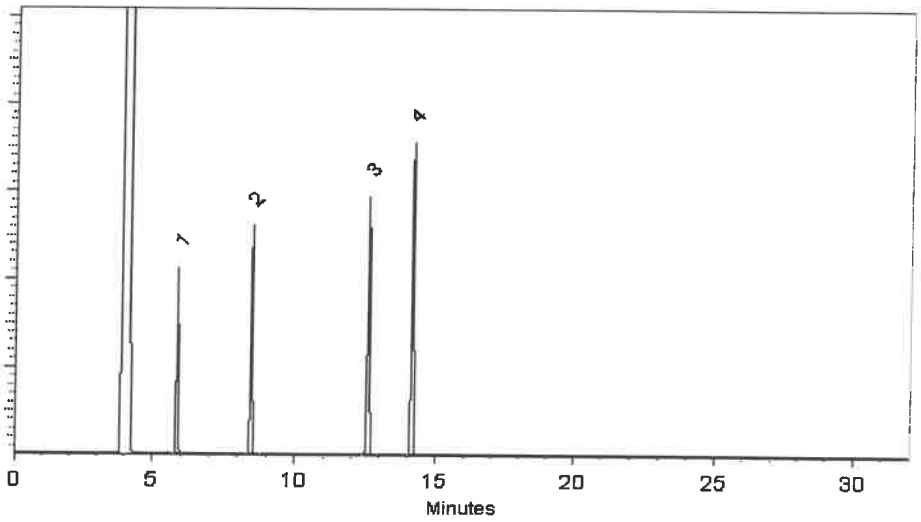
Inj. Temp:
200°C

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.

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

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
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. : 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.)

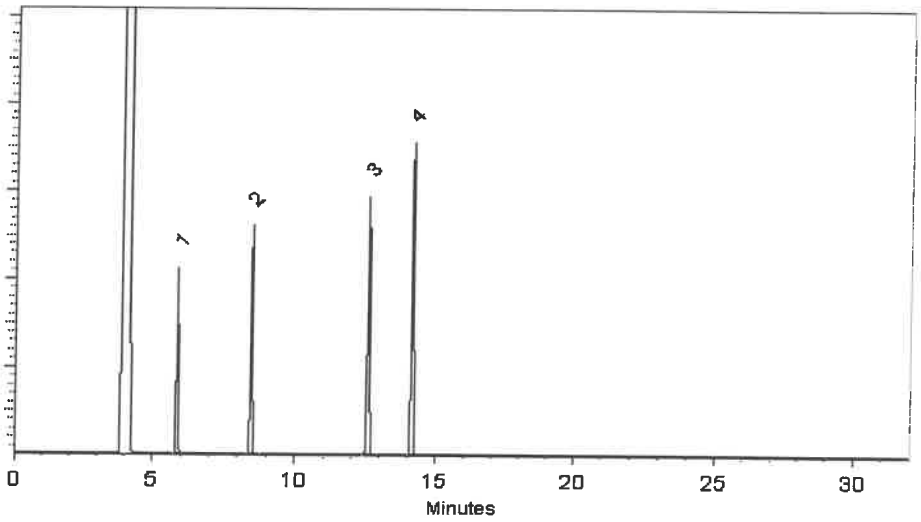
Inj. Temp:
200°C

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.

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

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
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. : 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.)

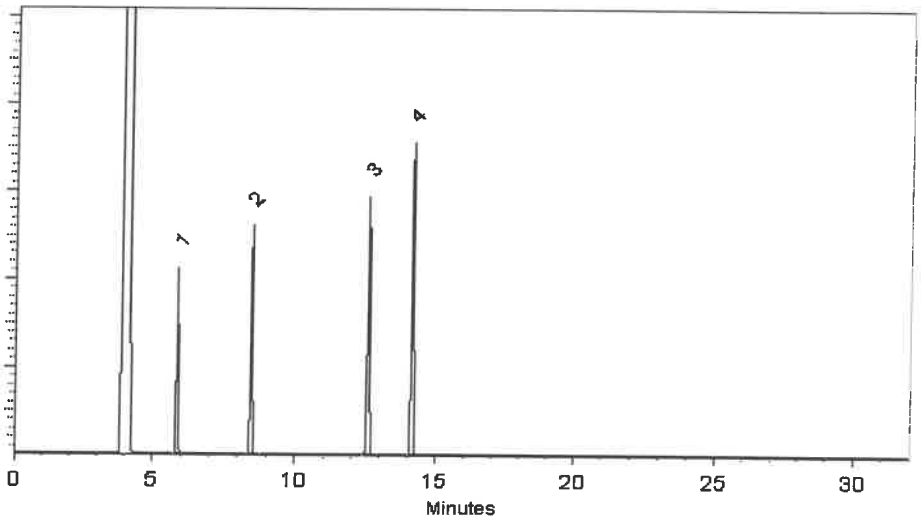
Inj. Temp:
200°C

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.

12

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

chromatographic

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED 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. : 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.)

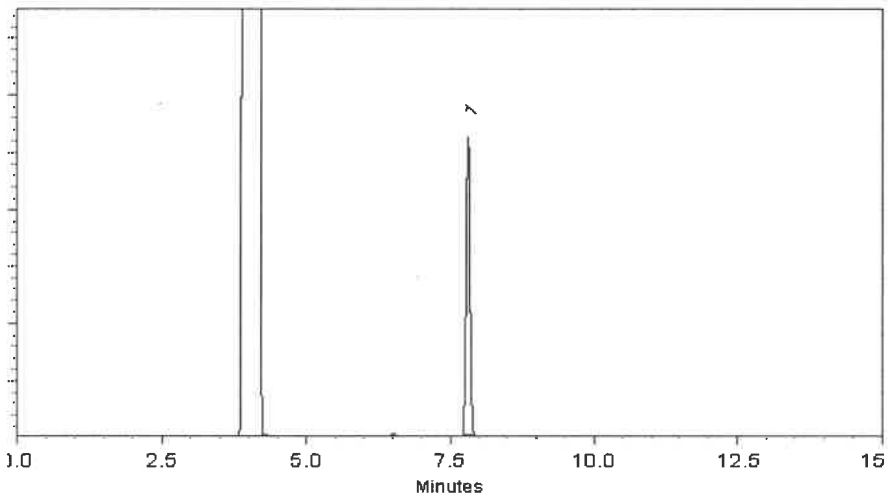
Inj. Temp:
200°C

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.

12

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

chromatographic

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED 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. : 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.)

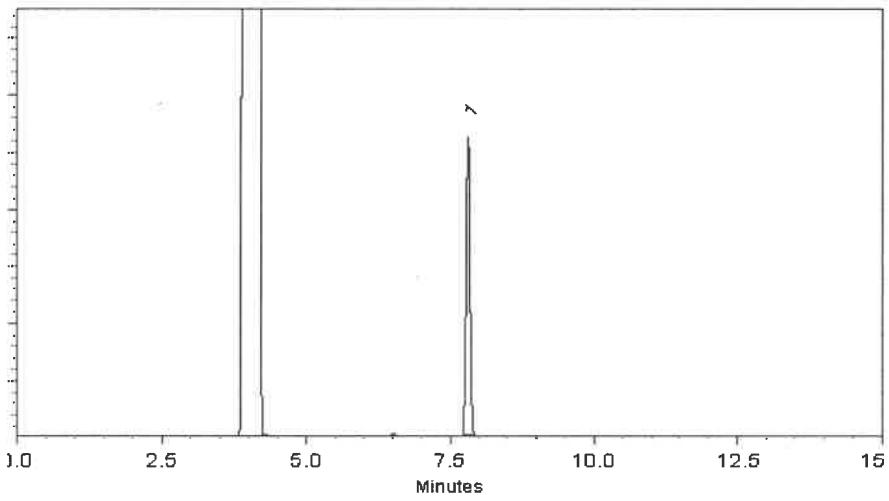
Inj. Temp:
200°C

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.

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

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
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. : 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.)

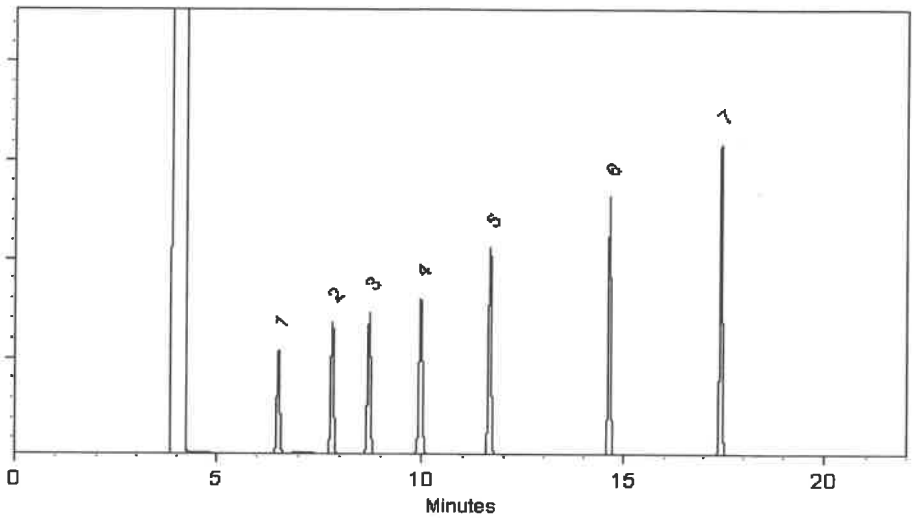
Inj. Temp:
200°C

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

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
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. : 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.)

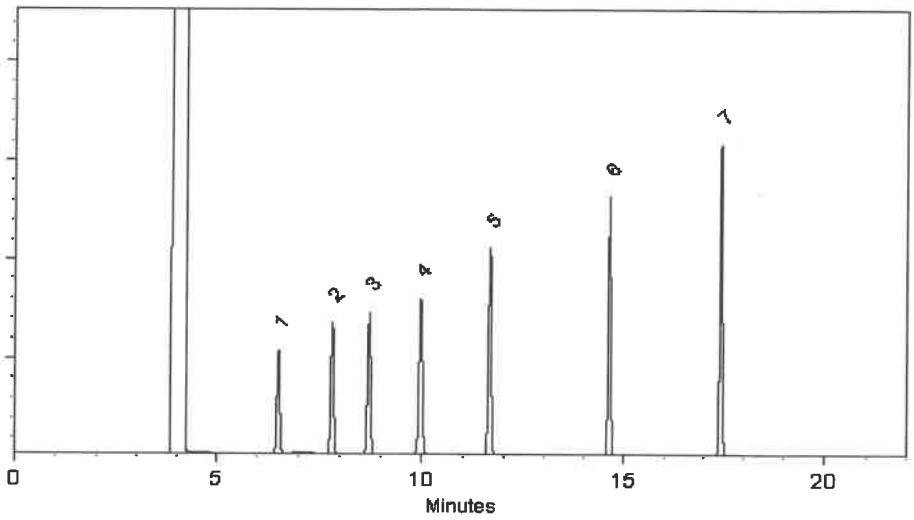
Inj. Temp:
200°C

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.

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.

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

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

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

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



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. P5164
QUOTE NO.
COC Number 2041883

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: RESOLUTION
ADDRESS:
CITY STATE: ZIP:
ATTENTION: ELEANOR VIVAUDOU
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: NNRP BETHPAGE
PROJECT NO.: LOCATION: BETHPAGE
PROJECT MANAGER: E. VIVAUDOU
e-mail: ELEANOR.VIVAUDOU@AECOM.COM
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: E. VIVAUDOU PO#:
ADDRESS: 27 ELLIS PLACE
CITY OSSINING STATE: NY ZIP: 10563
ATTENTION: E. VIVAUDOU 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 _____
X EDD FORMAT NYSDEC EDD CAT B

ANALYSIS

VOCs 8260
1,4 DIOXANE SIM 8270

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/E	E								← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER
1.	RE108D2-20241206	GW		X	12-6-24	0940	3	2	1								
2.	RE108D1-20241206	GW		X	↓	1040	3	2	1								
3.	RE105D1-20241206	GW		X		0915	3	2	1								
4.	RE105D2-20241206	GW		X		0940	3	2	1								
5.	TB	DW		X	9-13-24	—	2	2									
6.	FB-20241206	DW		X	12-6-24	1130	3	2	1								
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.	12-6-24	1. 1300 12-6-24
2.		2.
3.	12-6-24 1700	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.4 °C
Comments:

Page 1 of 1

CLIENT: ☐ Hand Delivered ☐ Other _____
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

Copyright © 2023

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 : P5164 AECO15
Client Name : AECOM Technical Service
Client Contact : Eleanor Vivadou
Invoice Name : AECOM Technical Service
Invoice Contact : Eleanor Vivadou

Order Date : 12/6/2024 1:09:00 PM
Project Name : NAVFAC NWIRP Bethpag
Receive DateTime : 12/6/2024 5:00:00 PM
Purchase Order :

Project Mgr :
Report Type : Results Only
EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P5164-01	RE108D2-20241206	Water	12/06/2024	09:40					
					VOCMS Group1		8260-Low		10 Bus. Days
P5164-02	RE108D1-20241206	Water	12/06/2024	10:40					
					VOCMS Group1		8260-Low		10 Bus. Days
P5164-03	RE105D1-20241206	Water	12/06/2024	09:15					
					VOCMS Group1		8260-Low		10 Bus. Days
P5164-04	RE105D2-20241206	Water	12/06/2024	09:40					
					VOCMS Group1		8260-Low		10 Bus. Days
P5164-05	TB	Water	12/06/2024	00:00					
					VOCMS Group1		8260-Low		10 Bus. Days
P5164-06	FB-20241206	Water	12/06/2024	11:30					
					VOCMS Group1		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 : P5164 AECO15
Client Name : AECOM Technical Service
Client Contact : Eleanor Vivadou
Invoice Name : AECOM Technical Service
Invoice Contact : Eleanor Vivadou

Order Date : 12/6/2024 1:09:00 PM
Project Name : NAVFAC NWIRP Bethpag
Receive DateTime : 12/6/2024 5:00:00 PM
Purchase Order :

Project Mgr :
Report Type : Results Only
EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

Relinguished By :
Date / Time : 12-6-24 1725

Received By :
Date / Time : 12/6/24 1725

Storage Area : VOA Refridgerator Room

Quantitation Report (Not Reviewed)

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

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

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

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	31487	800.529	ug/l	#	66
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	146981	70.393	ug/l		81
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 (Not Reviewed)

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

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

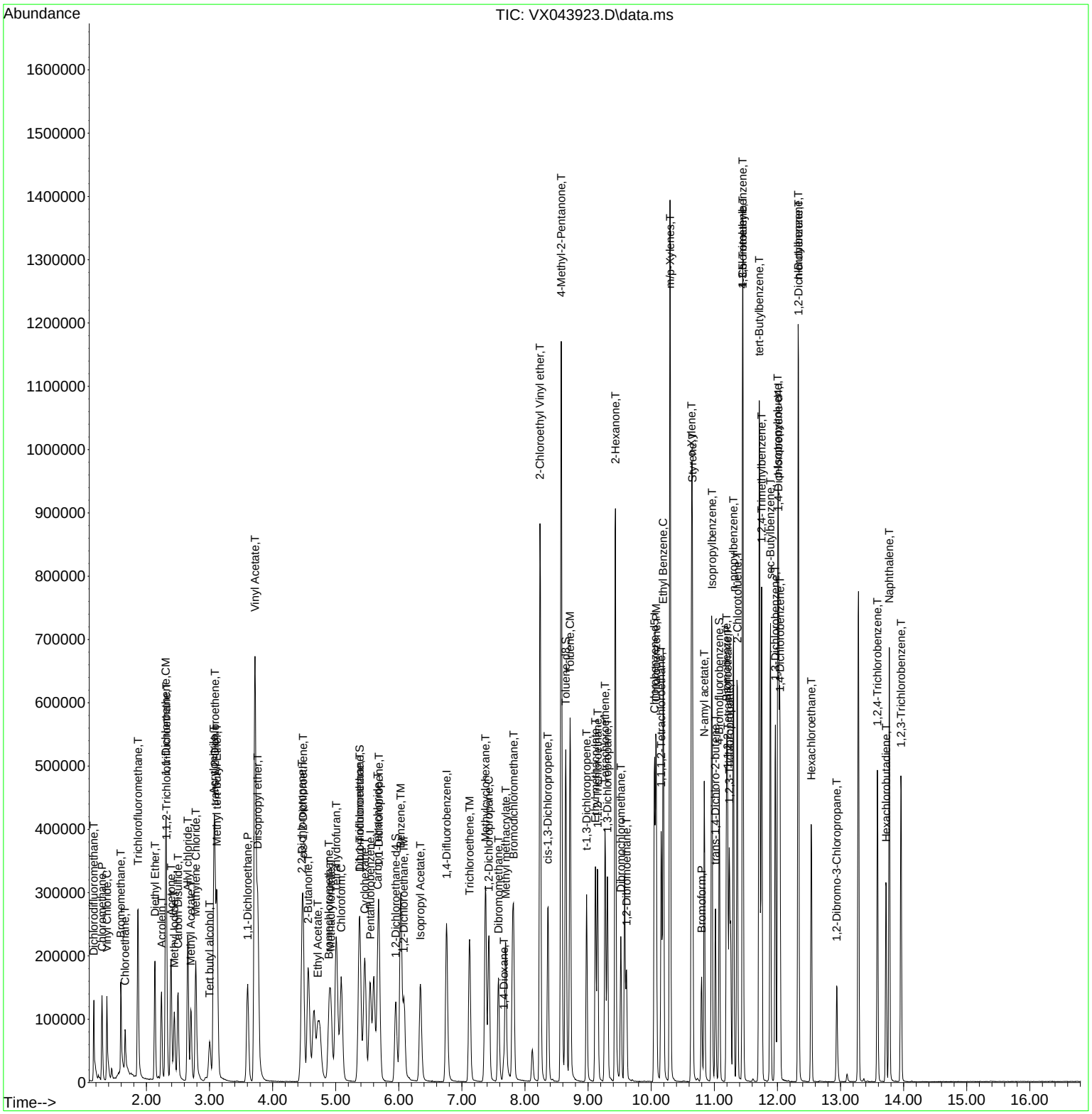
(#) = qualifier out of range (m) = manual integration (+) = signals summed

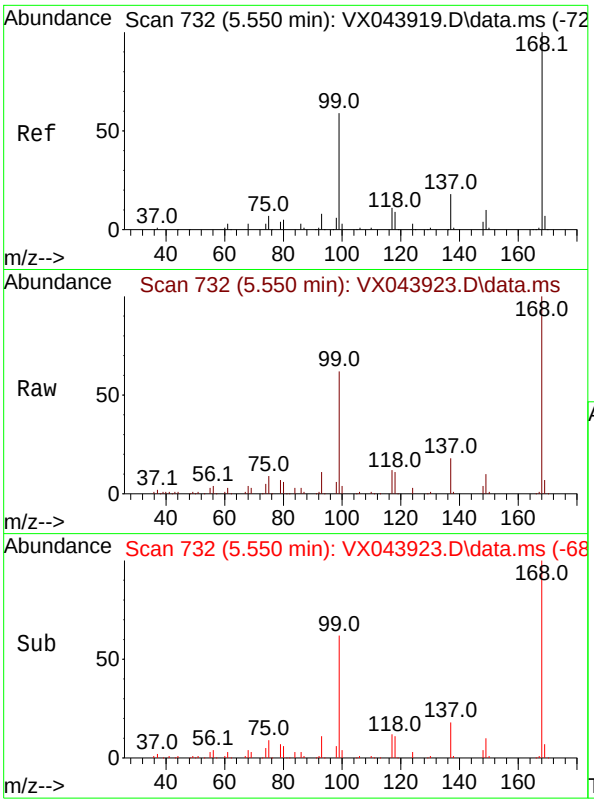
Quantitation Report (Not Reviewed)

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



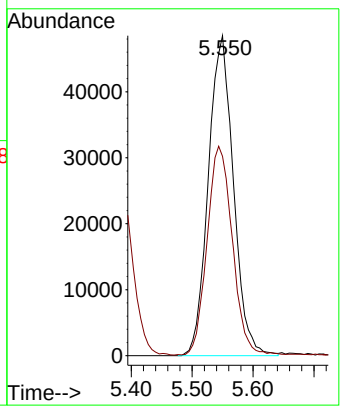


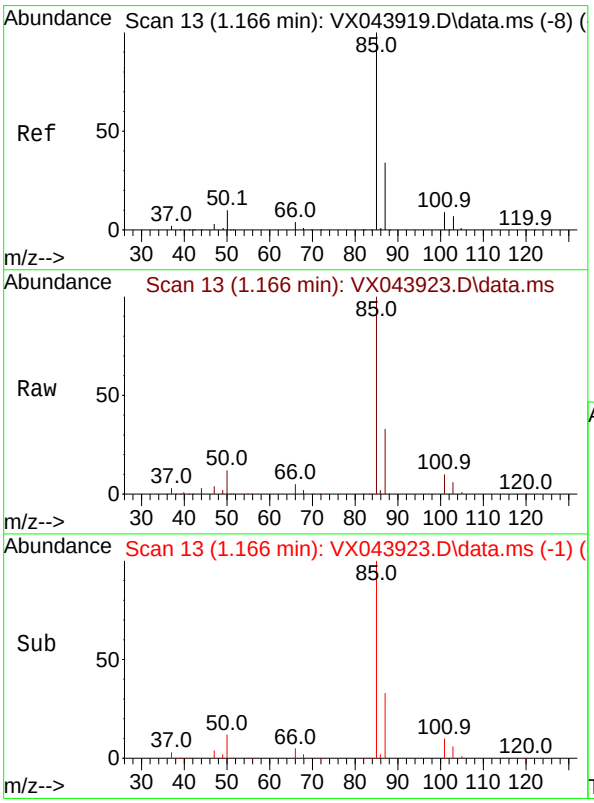
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion:168 Resp: 138810

Ion	Ratio	Lower	Upper
168	100		
99	62.0	46.9	70.3

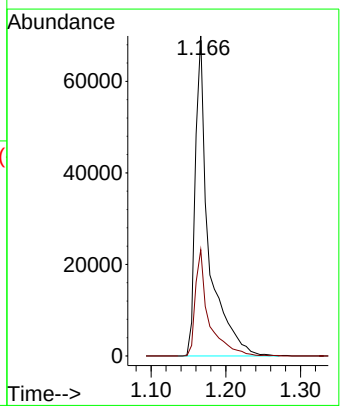


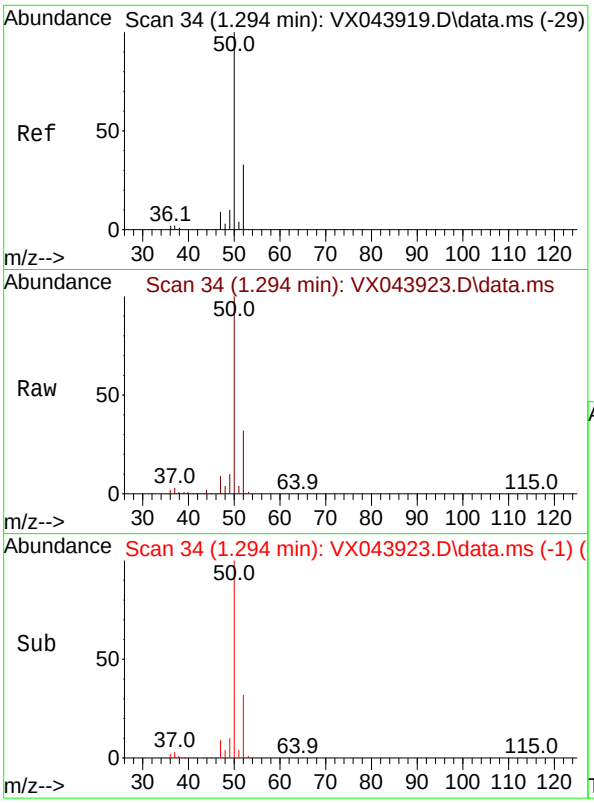


#2
Dichlorodifluoromethane
Concen: 62.046 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 85 Resp: 87148

Ion	Ratio	Lower	Upper
85	100		
87	33.2	17.1	51.2



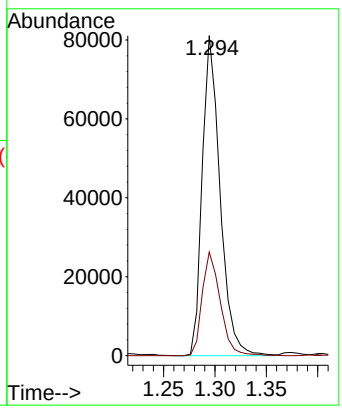


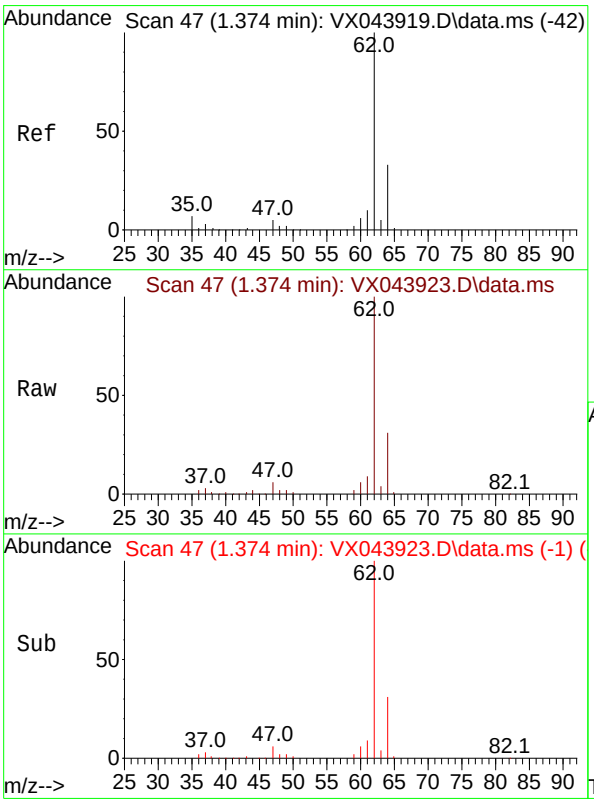
#3
Chloromethane
Concen: 55.867 ug/l
RT: 1.294 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 50 Resp: 98071

Ion	Ratio	Lower	Upper
50	100		
52	32.4	26.2	39.2

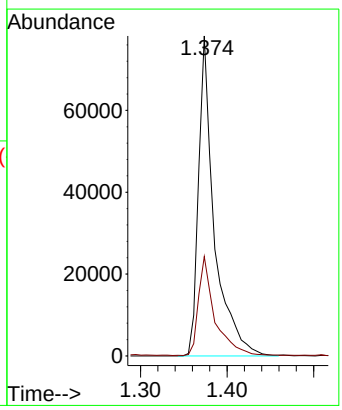


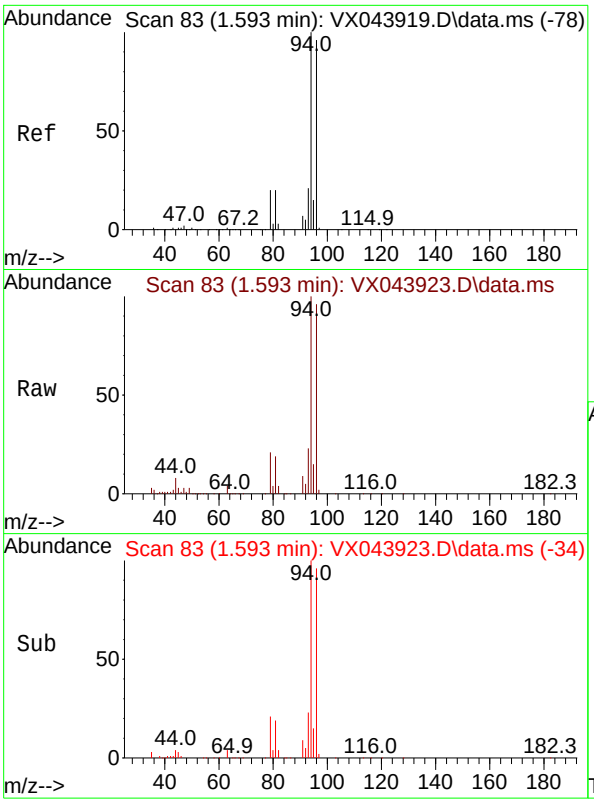


#4
Vinyl Chloride
Concen: 55.940 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 62 Resp: 98663

Ion	Ratio	Lower	Upper
62	100		
64	30.9	26.1	39.1



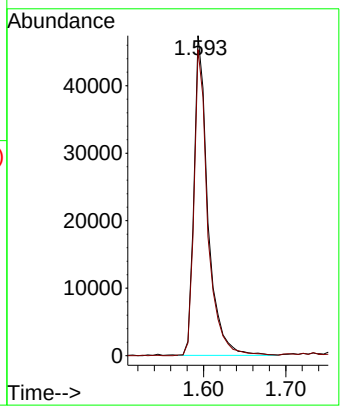


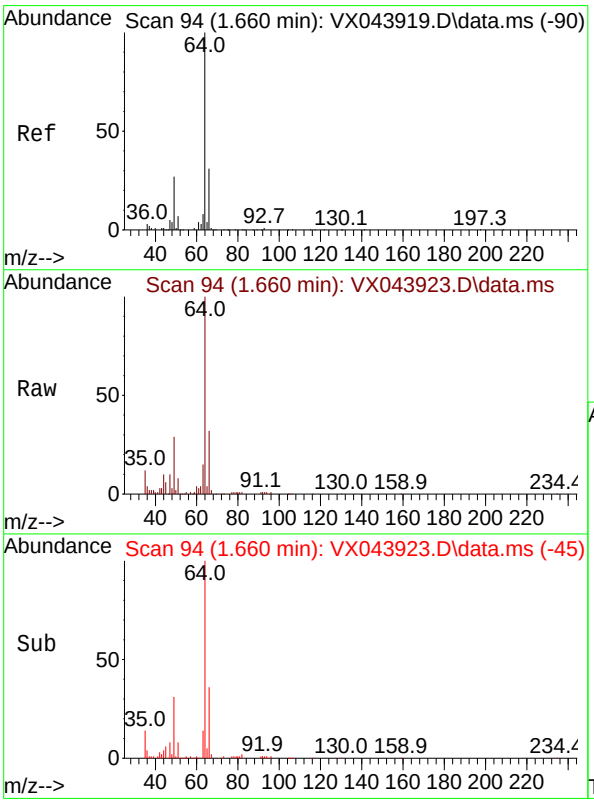
#5
Bromomethane
Concen: 69.459 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 94 Resp: 55648

Ion	Ratio	Lower	Upper
94	100		
96	95.6	76.5	114.7

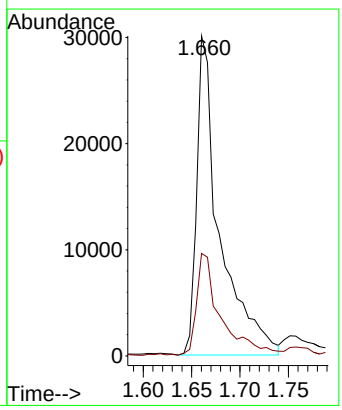


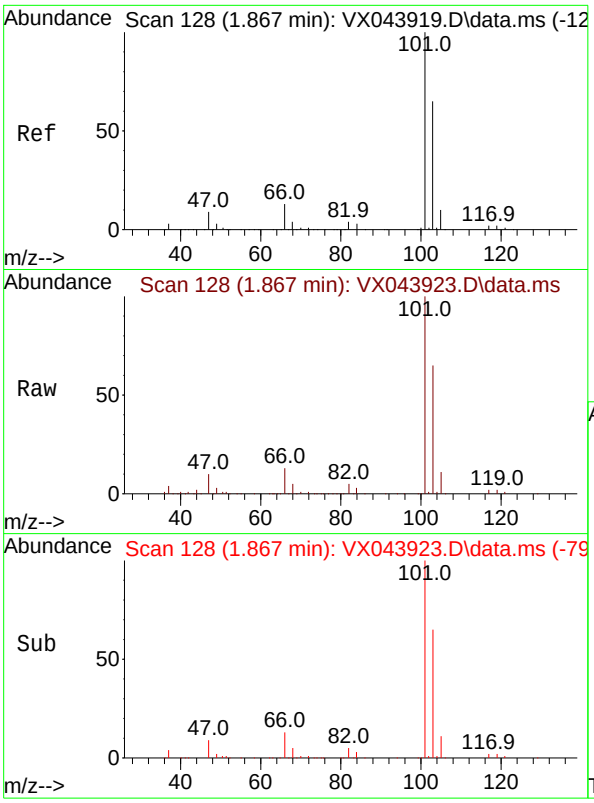


#6
Chloroethane
Concen: 58.791 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 64 Resp: 49530

Ion	Ratio	Lower	Upper
64	100		
66	31.9	24.9	37.3



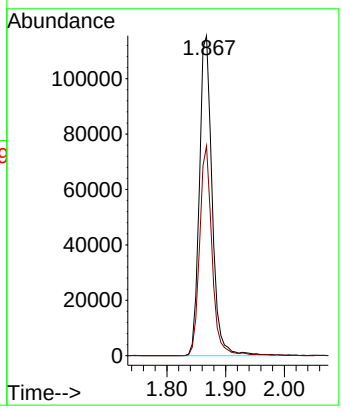


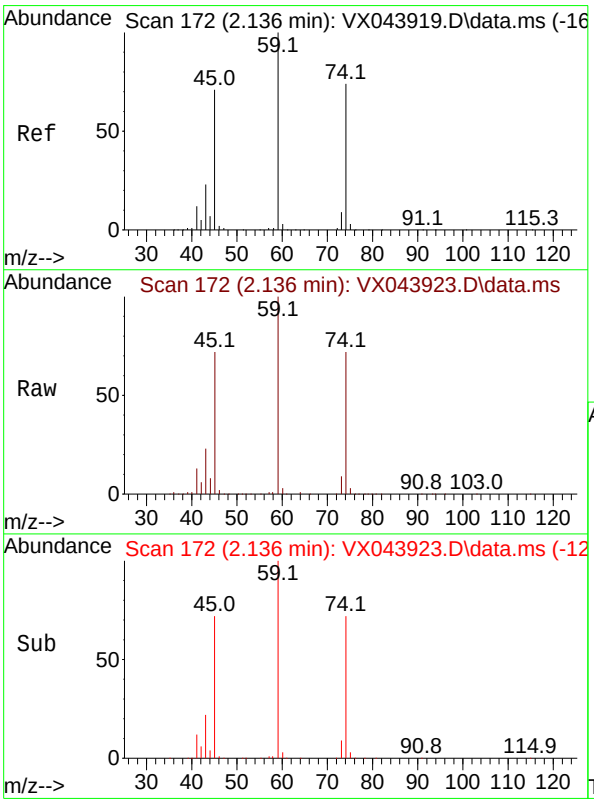
#7
Trichlorofluoromethane
Concen: 69.274 ug/l
RT: 1.867 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion:101 Resp: 174189

Ion	Ratio	Lower	Upper
101	100		
103	65.5	52.2	78.4

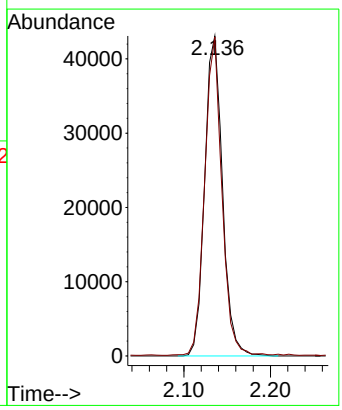


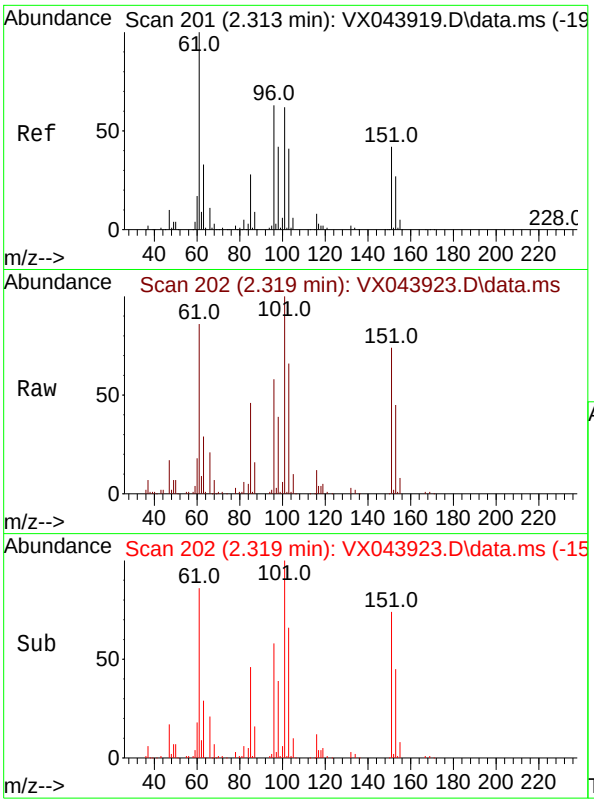


#8
Diethyl Ether
Concen: 64.776 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 74 Resp: 61407

Ion	Ratio	Lower	Upper
74	100		
45	96.1	49.9	149.6



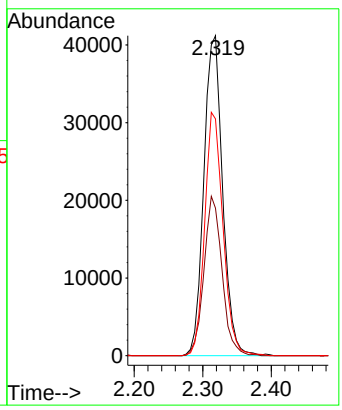


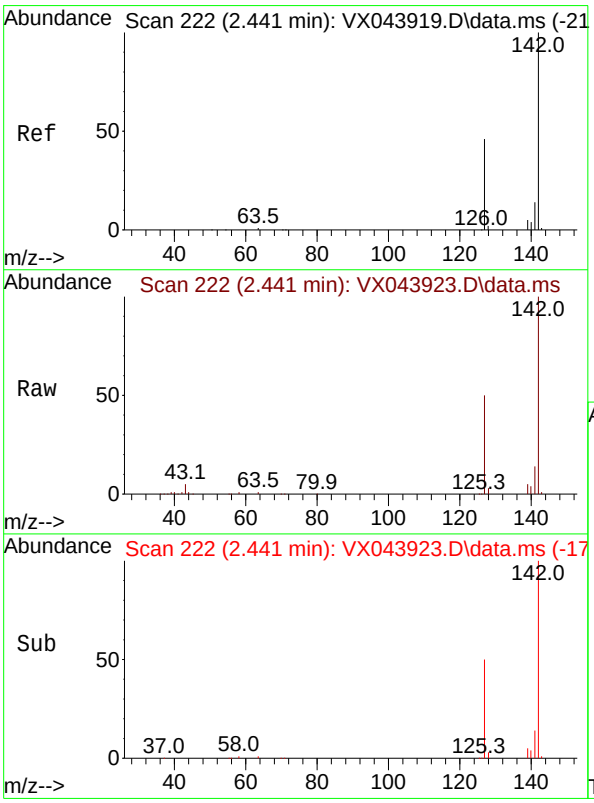
#9
1,1,2-Trichlorotrifluoroethane
Concen: 53.013 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

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

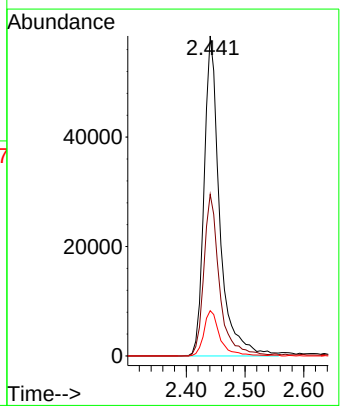


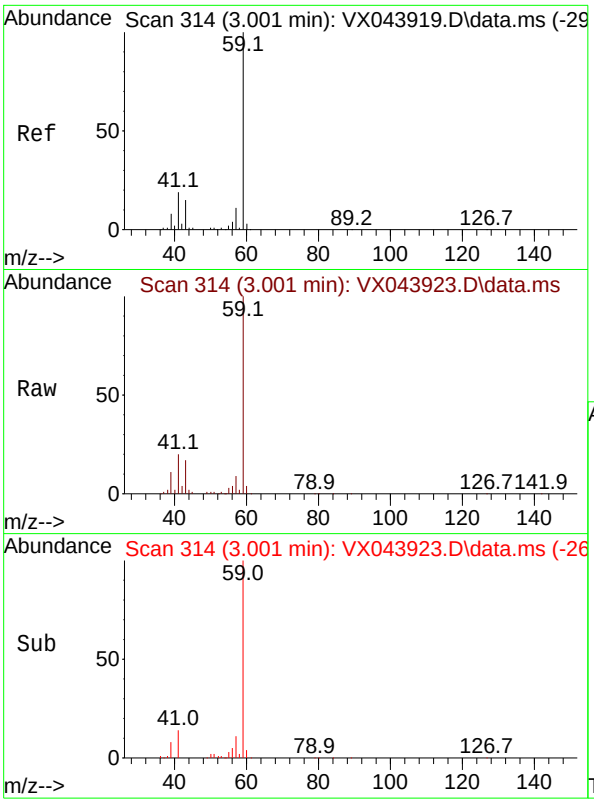


#10
Methyl Iodide
Concen: 51.664 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

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



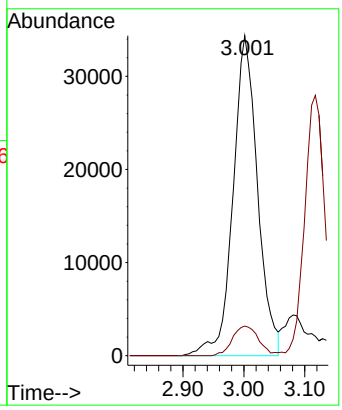


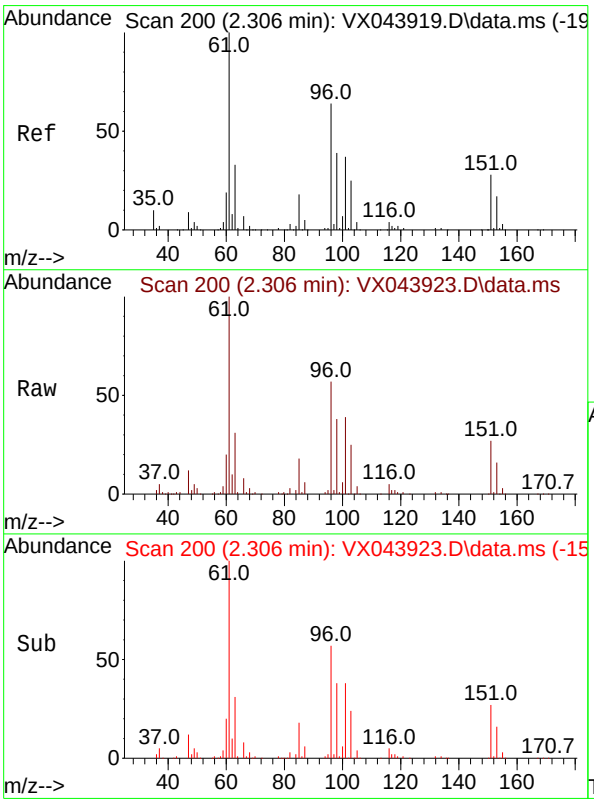
#11
Tert butyl alcohol
Concen: 283.818 ug/l
RT: 3.001 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 59 Resp: 96228

Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.2	12.4

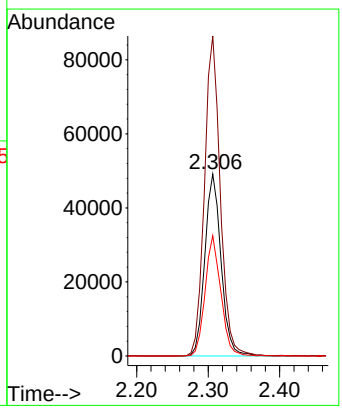


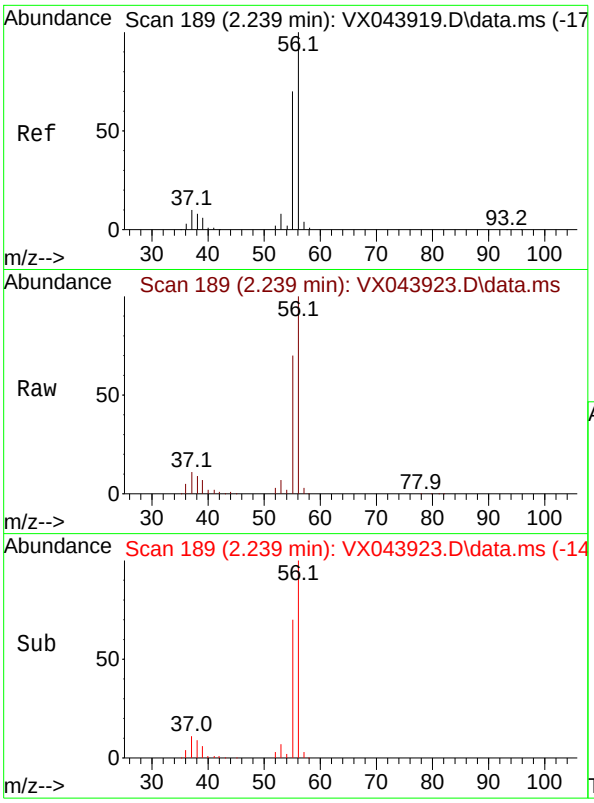


#12
1,1-Dichloroethene
Concen: 53.599 ug/l
RT: 2.306 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

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



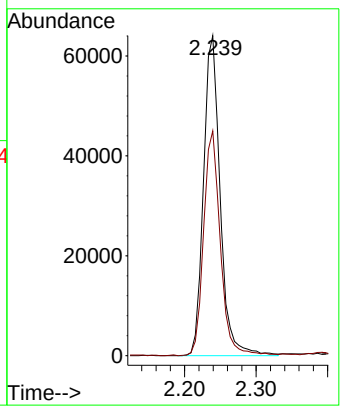


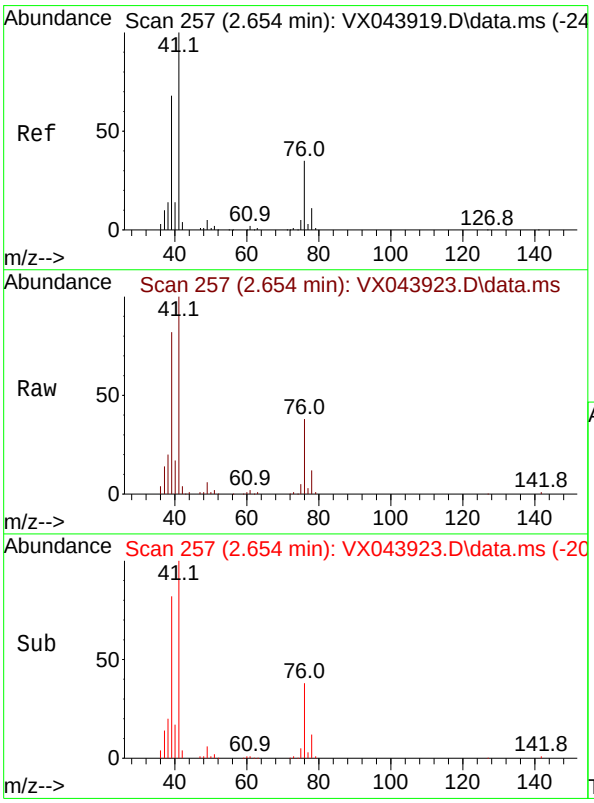
#13
Acrolein
Concen: 272.556 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 56 Resp: 103637

Ion	Ratio	Lower	Upper
56	100		
55	70.5	56.1	84.1

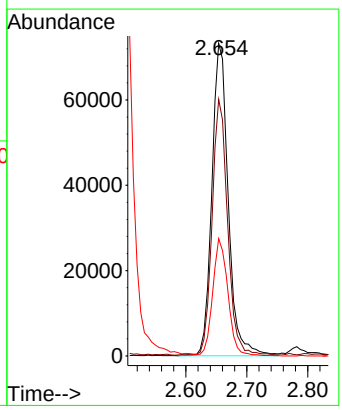


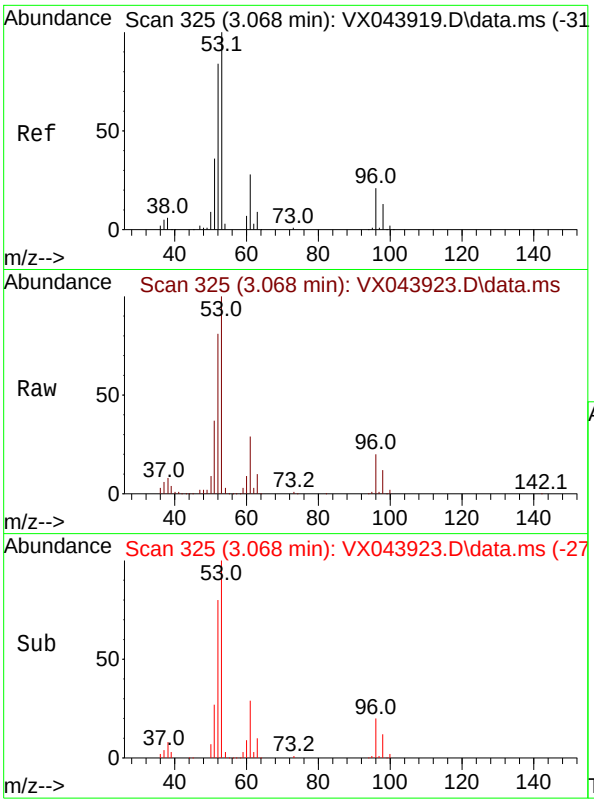


#14
Allyl chloride
Concen: 58.343 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

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



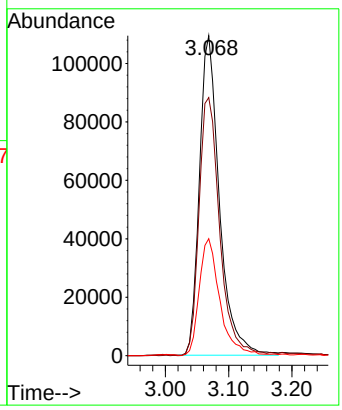


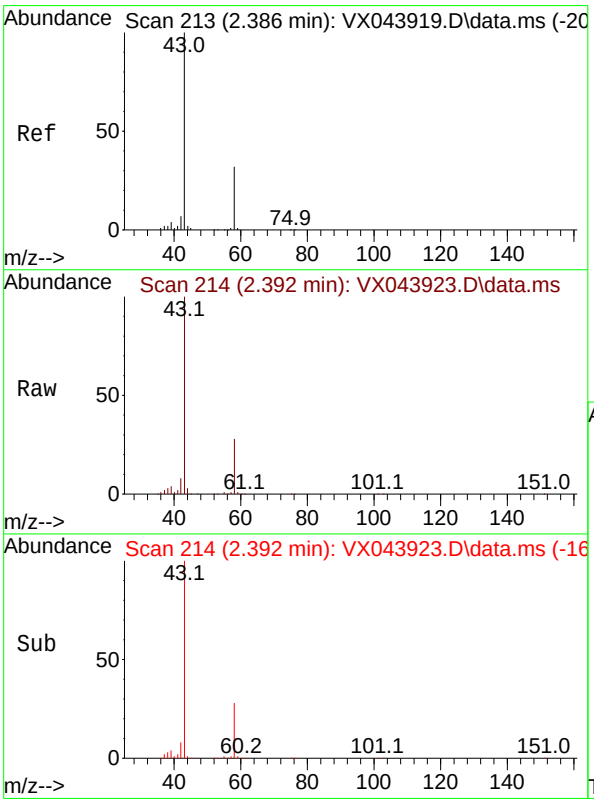
#15
Acrylonitrile
Concen: 276.221 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

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

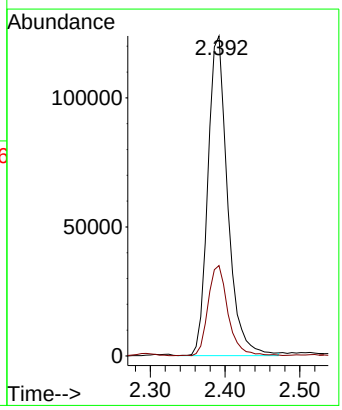


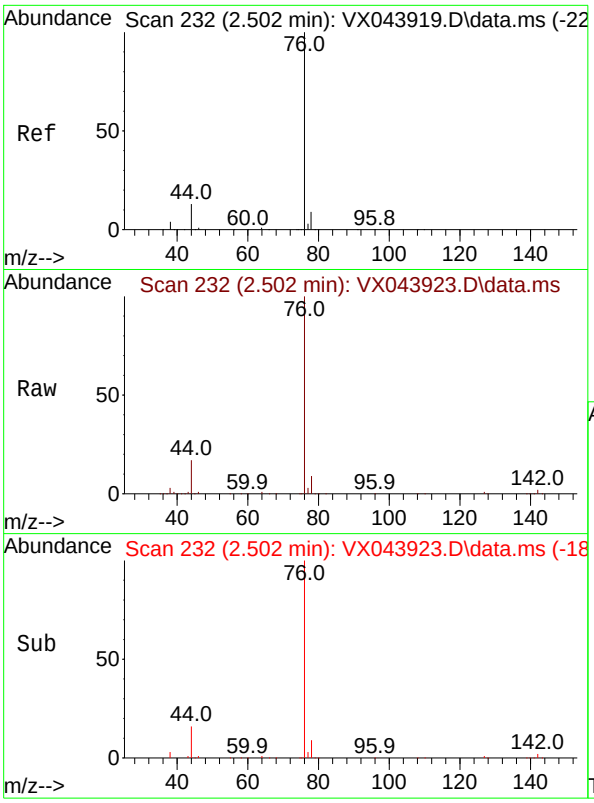


#16
Acetone
Concen: 265.748 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 43 Resp: 227575

Ion	Ratio	Lower	Upper
43	100		
58	28.1	25.8	38.6



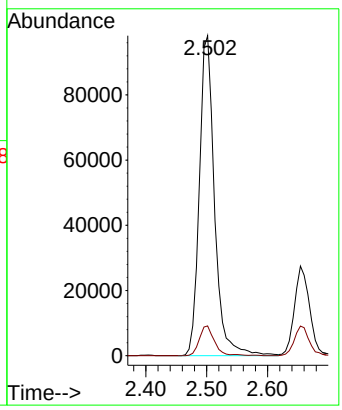


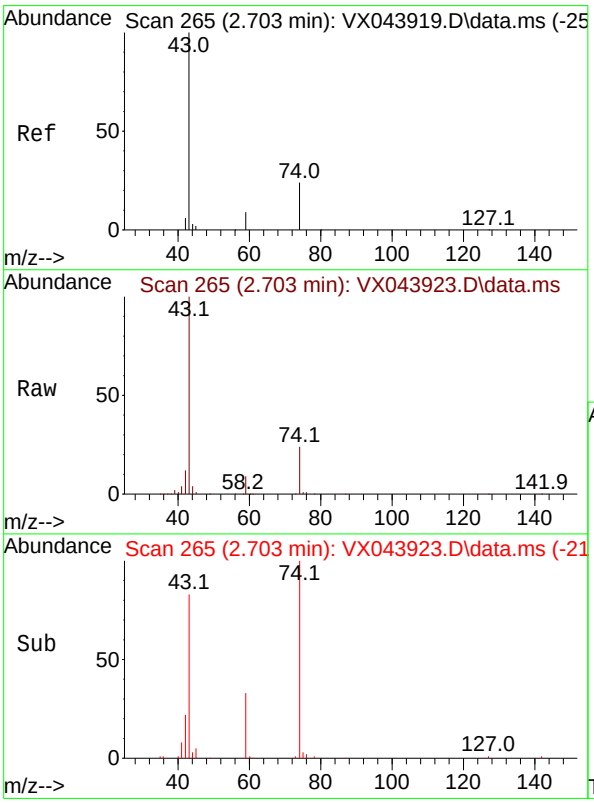
#17
Carbon Disulfide
Concen: 54.052 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 76 Resp: 170454

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9

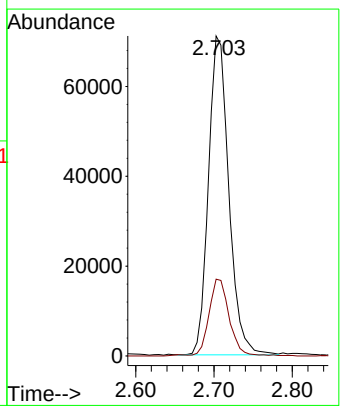


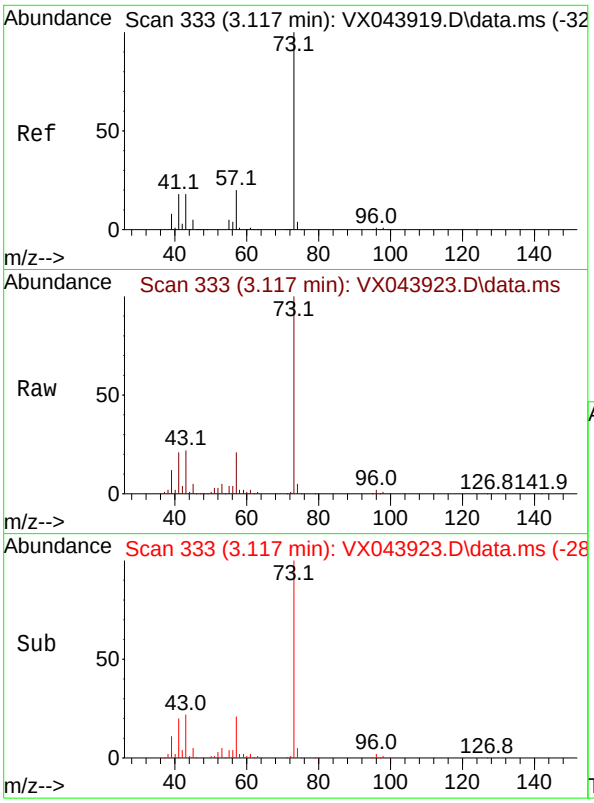


#18
Methyl Acetate
Concen: 54.593 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 43 Resp: 128026

Ion	Ratio	Lower	Upper
43	100		
74	24.0	20.1	30.1



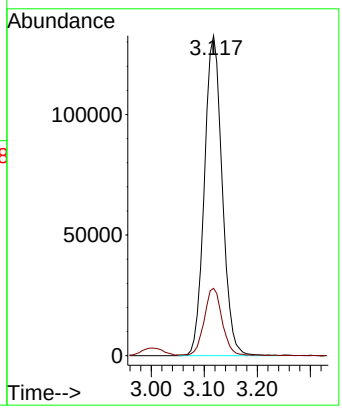


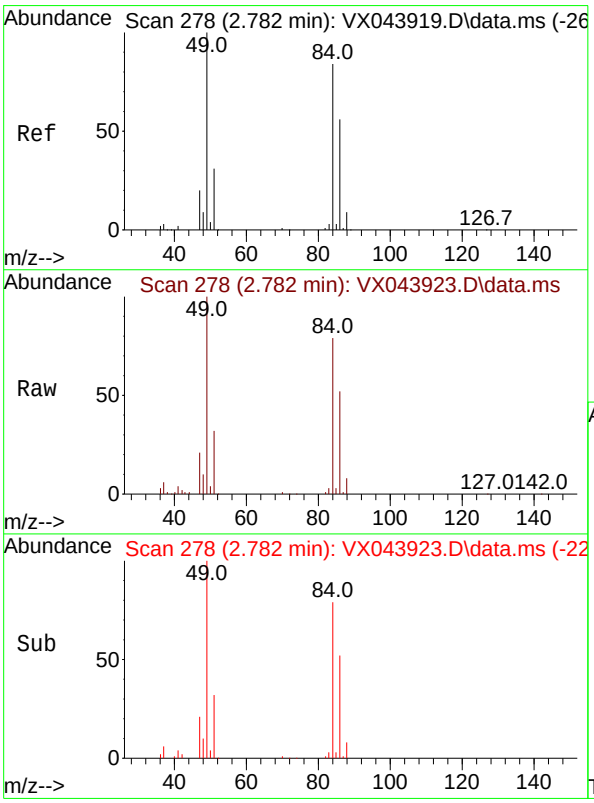
#19
Methyl tert-butyl Ether
Concen: 57.868 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 73 Resp: 308920

Ion	Ratio	Lower	Upper
73	100		
57	21.0	16.4	24.6

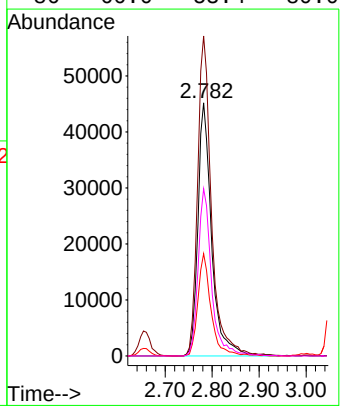


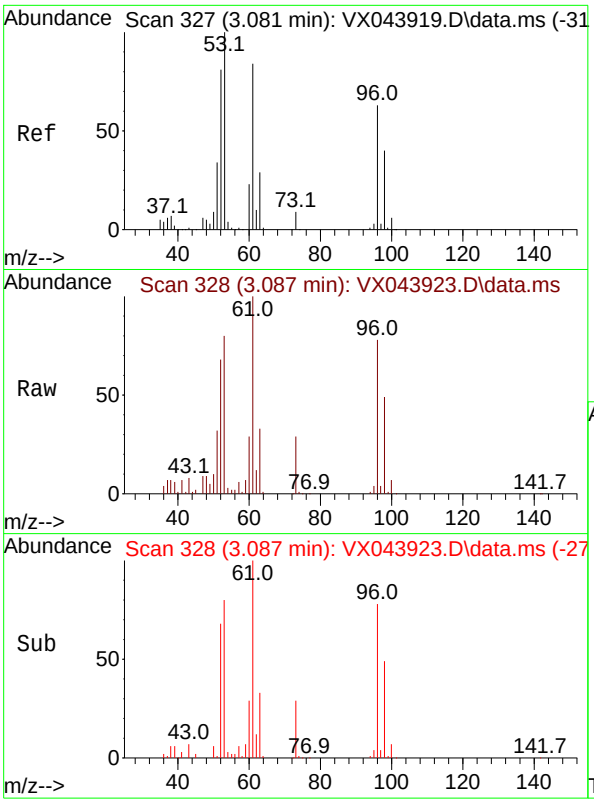


#20
Methylene Chloride
Concen: 51.368 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

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



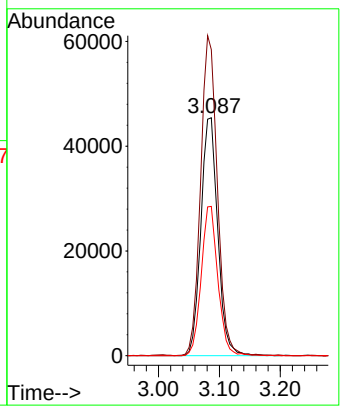


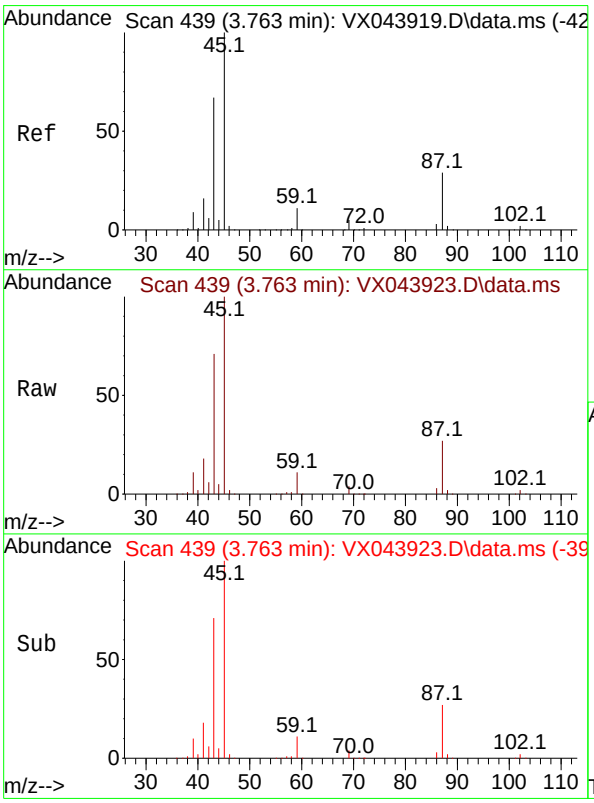
#21
trans-1,2-Dichloroethene
Concen: 55.548 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

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

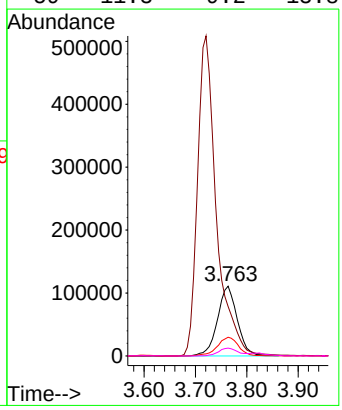


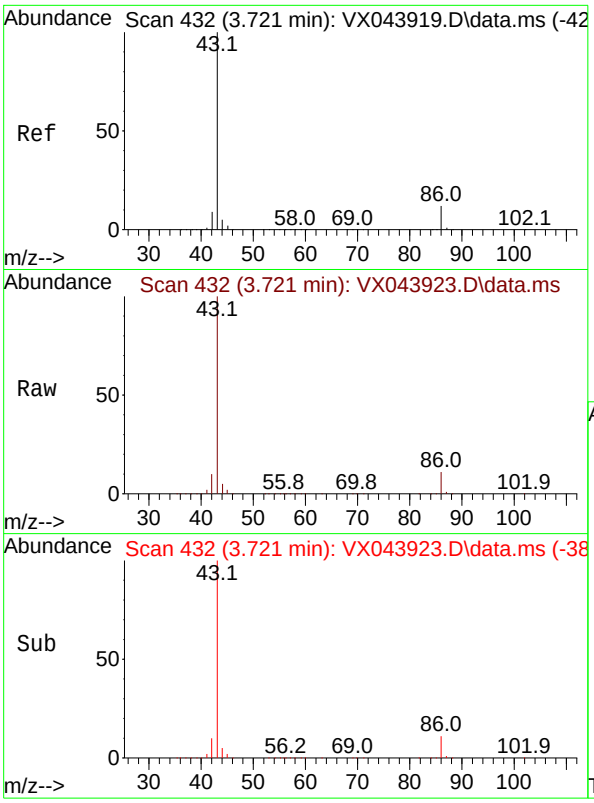


#22
Diisopropyl ether
Concen: 58.005 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

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



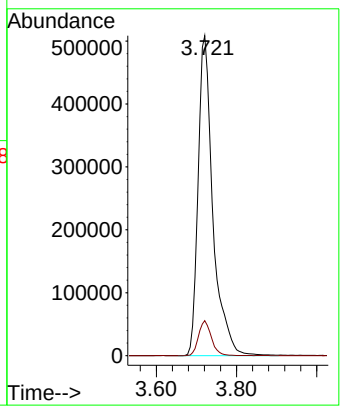


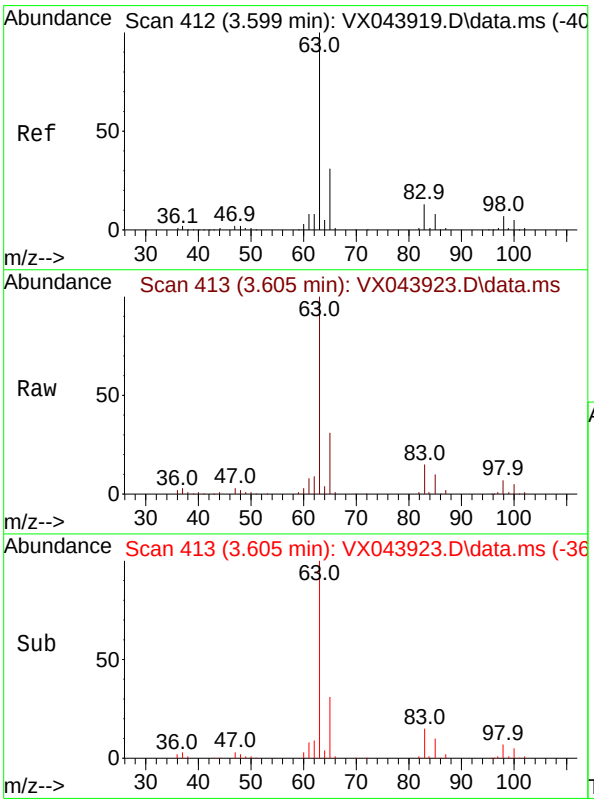
#23
Vinyl Acetate
Concen: 314.256 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 43 Resp: 1303089

Ion	Ratio	Lower	Upper
43	100		
86	10.9	9.4	14.0

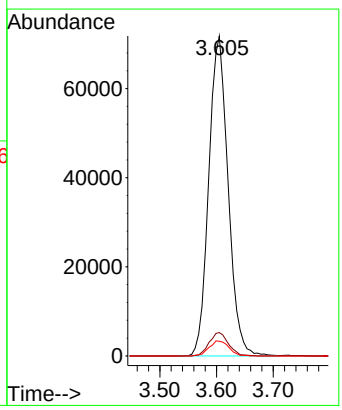


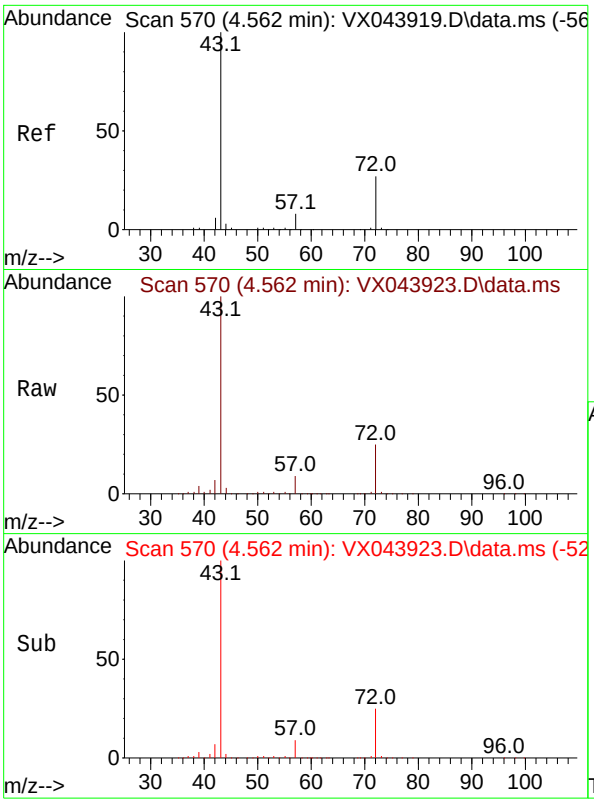


#24
1,1-Dichloroethane
Concen: 56.478 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

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



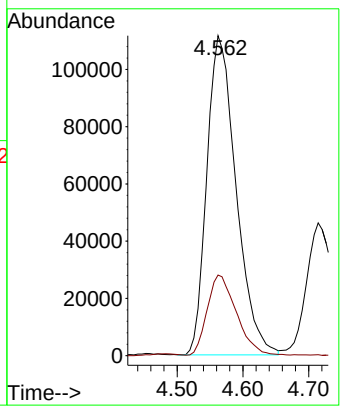


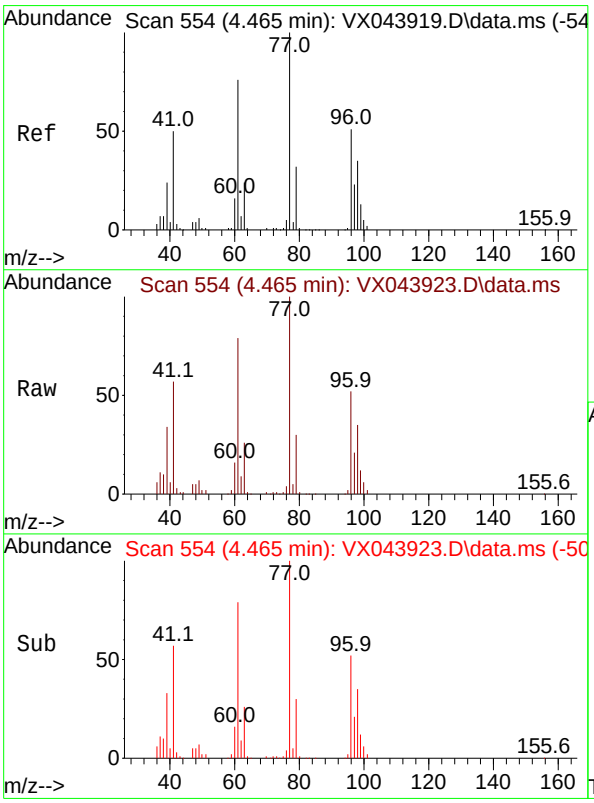
#25
2-Butanone
Concen: 288.244 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 43 Resp: 345310

Ion	Ratio	Lower	Upper
43	100		
72	24.9	21.3	31.9

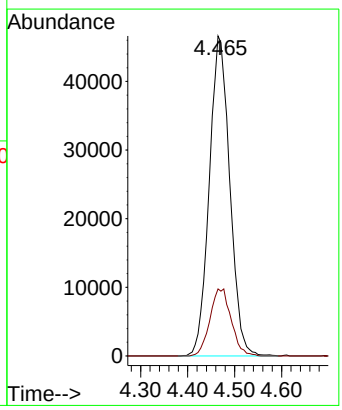


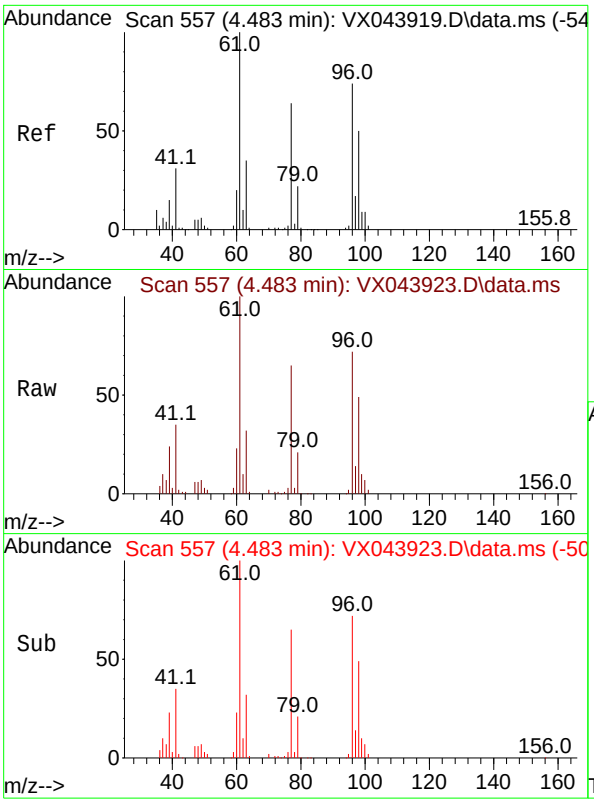


#26
2,2-Dichloropropane
Concen: 57.127 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 77 Resp: 141245

Ion	Ratio	Lower	Upper
77	100		
97	21.8	11.7	35.1



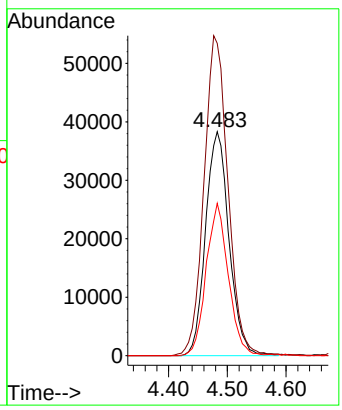


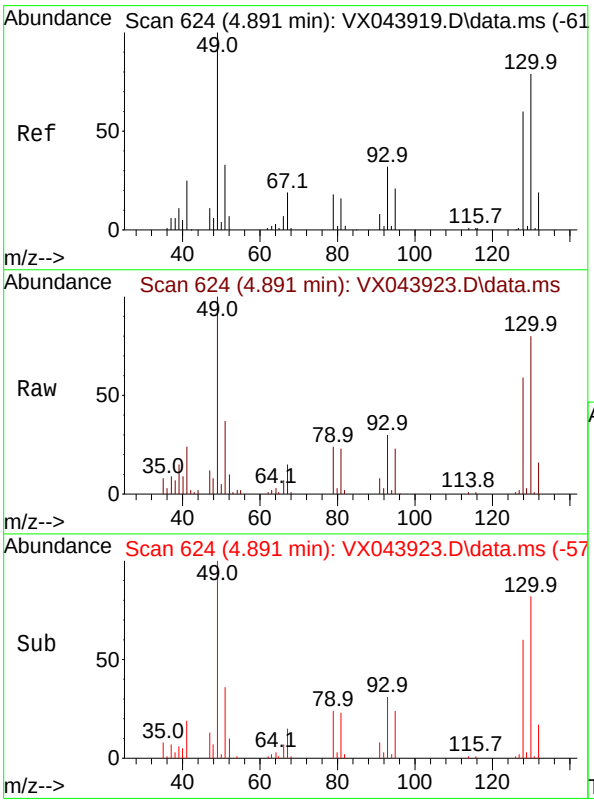
#27
cis-1,2-Dichloroethene
Concen: 54.236 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

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

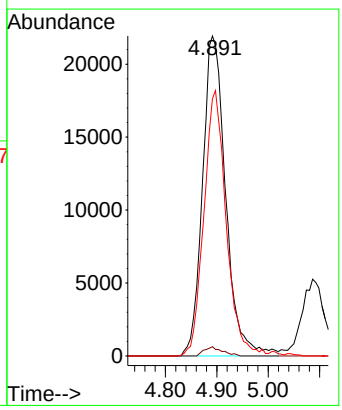


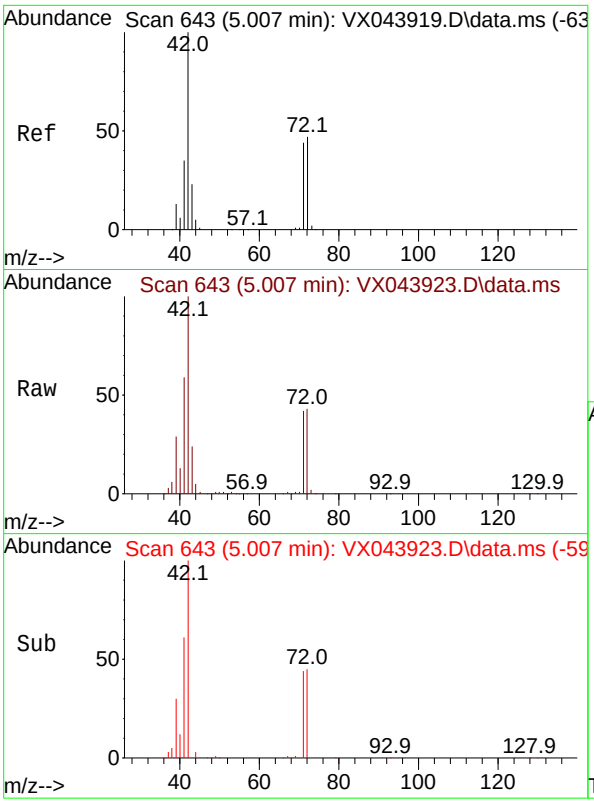


#28
Bromochloromethane
Concen: 54.265 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

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



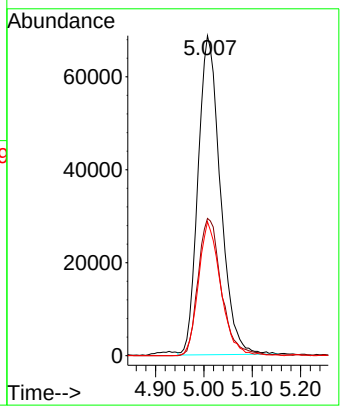


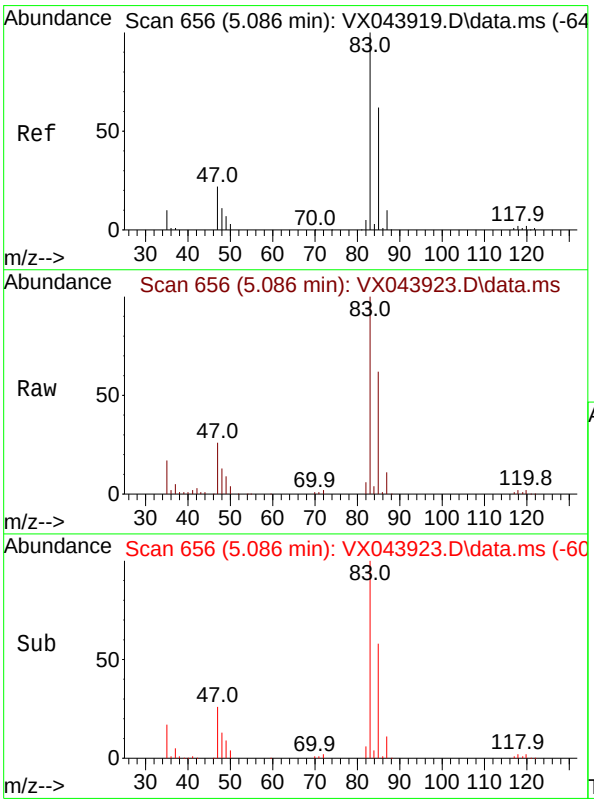
#29
Tetrahydrofuran
Concen: 284.374 ug/l
RT: 5.007 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

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

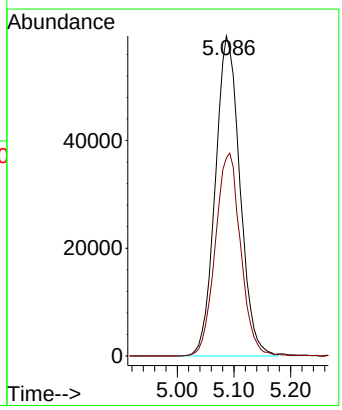


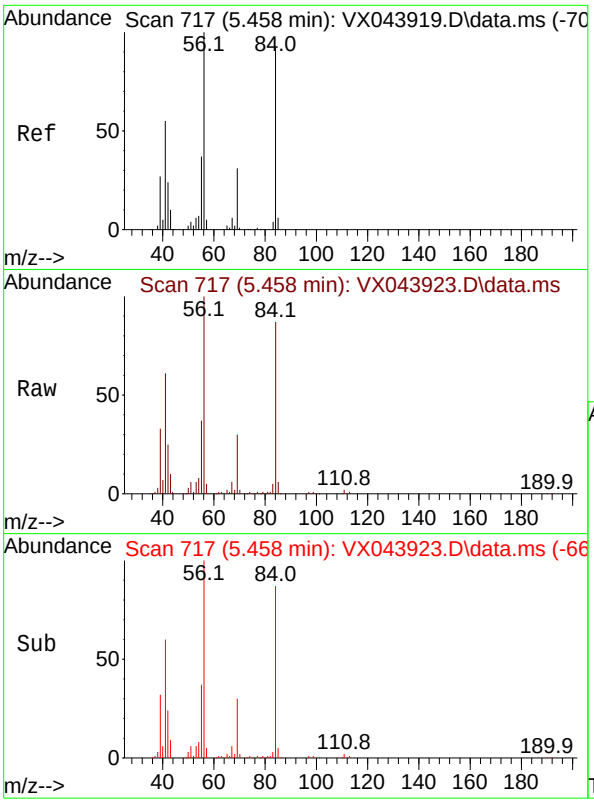


#30
Chloroform
Concen: 57.044 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 83 Resp: 178903

Ion	Ratio	Lower	Upper
83	100		
85	61.9	49.7	74.5



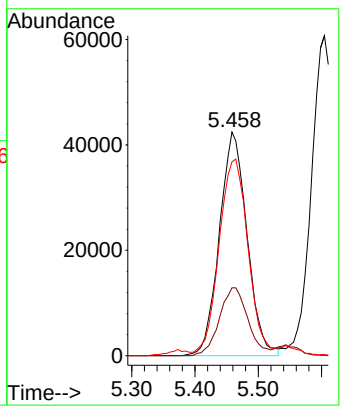


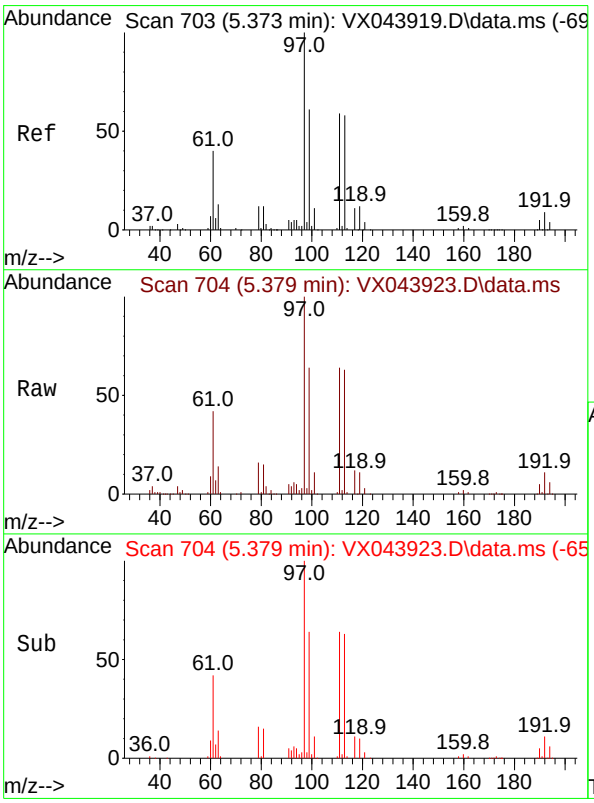
#31
Cyclohexane
Concen: 52.818 ug/l
RT: 5.458 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

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

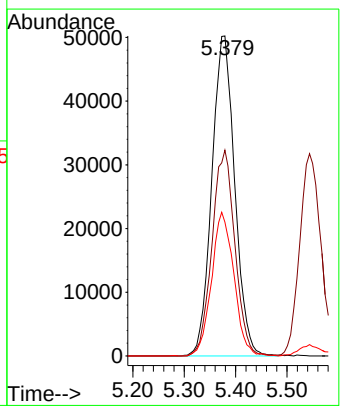


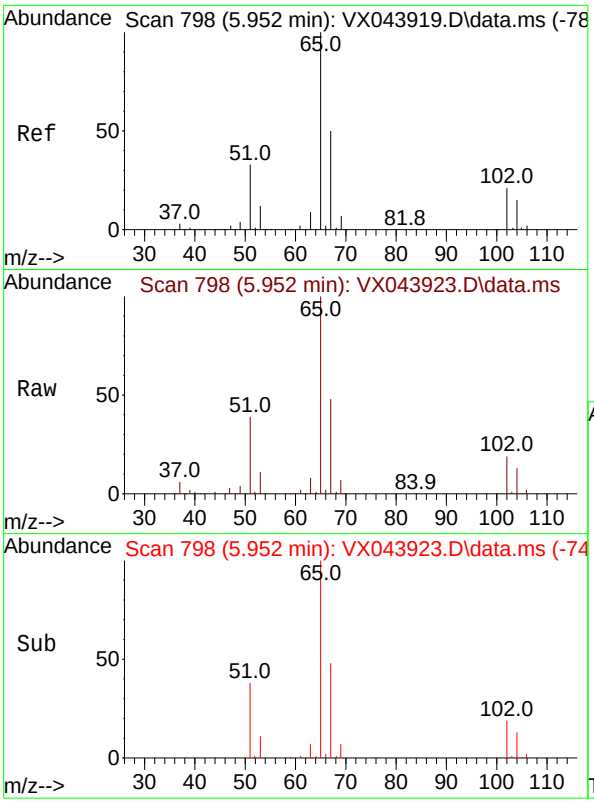


#32
1,1,1-Trichloroethane
Concen: 58.048 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

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



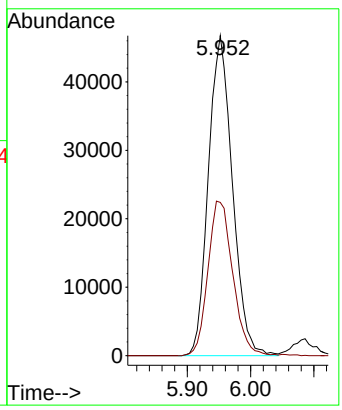


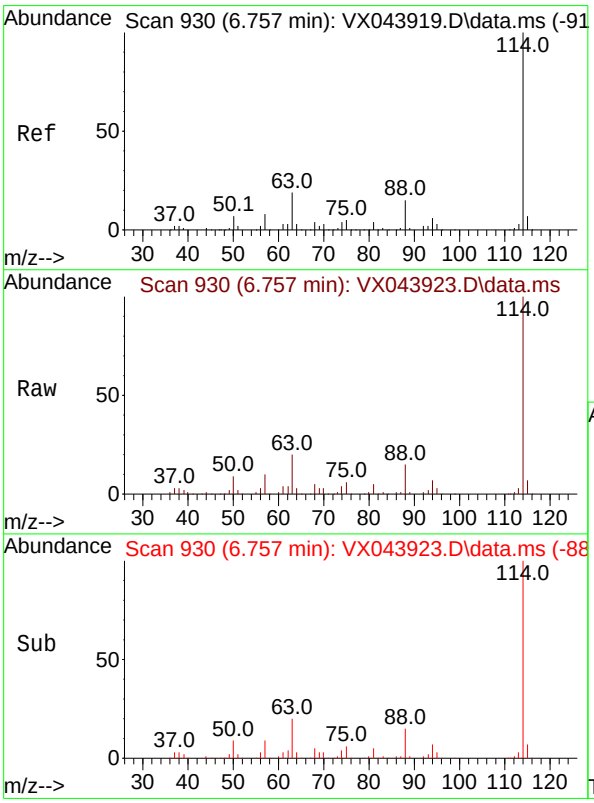
#33
1,2-Dichloroethane-d4
Concen: 58.016 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 65 Resp: 123698

Ion	Ratio	Lower	Upper
65	100		
67	49.9	0.0	103.2

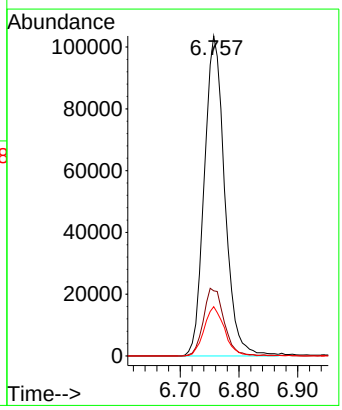


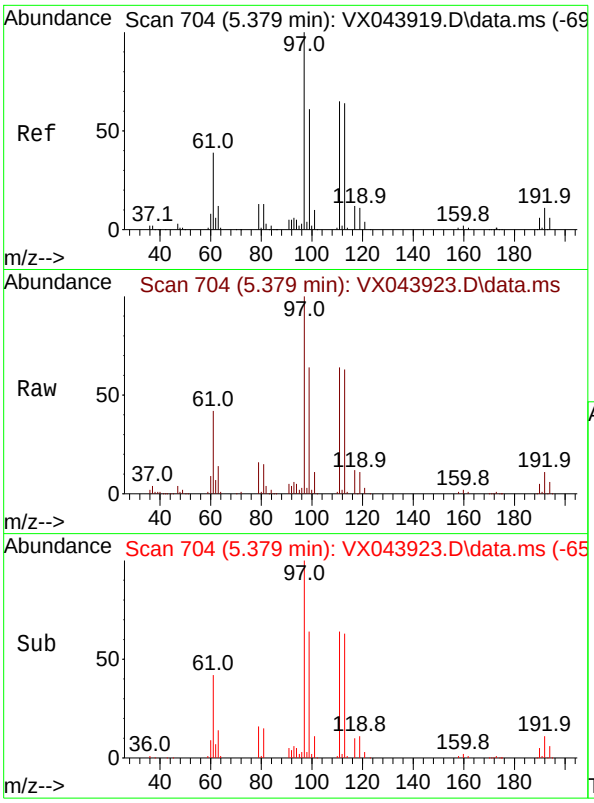


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

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



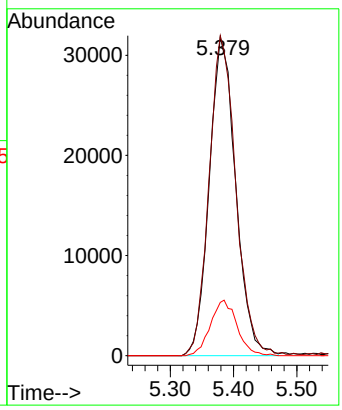


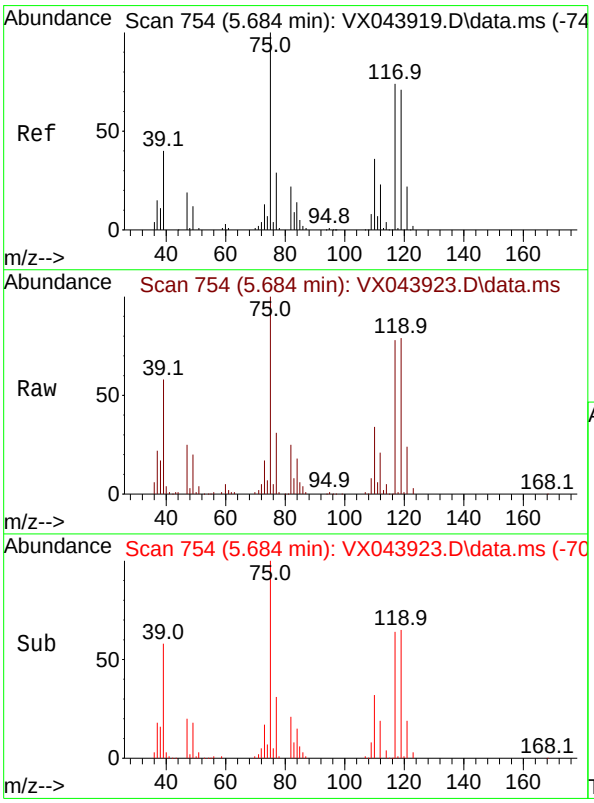
#35
Dibromofluoromethane
Concen: 54.792 ug/l
RT: 5.379 min Scan# 7(
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

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

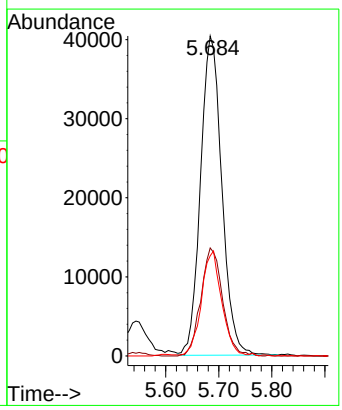


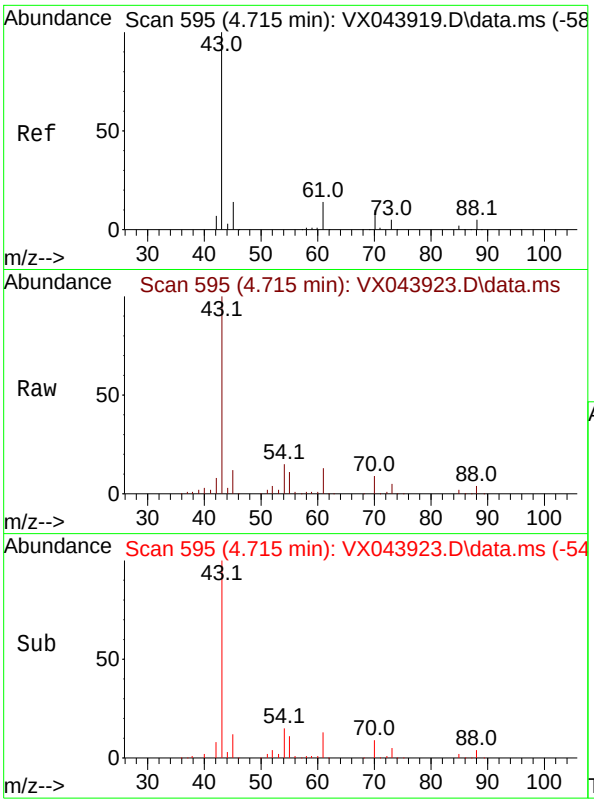


#36
1,1-Dichloropropene
Concen: 53.685 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

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



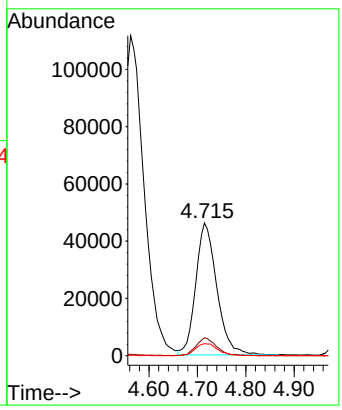


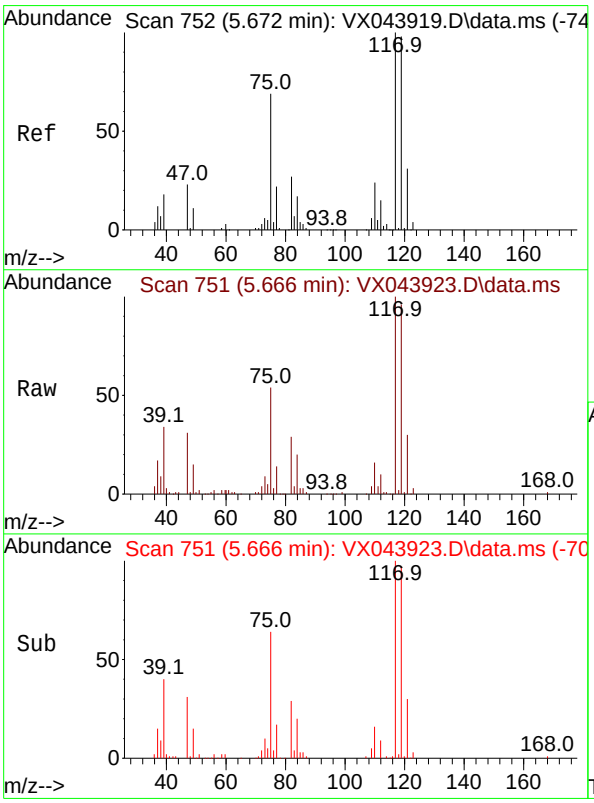
#37
Ethyl Acetate
Concen: 59.057 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

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

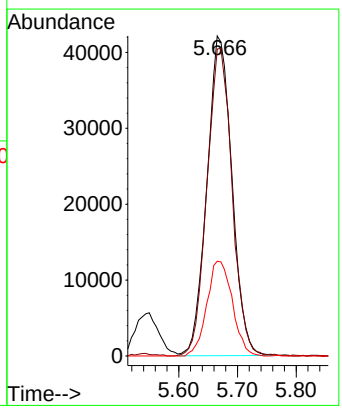


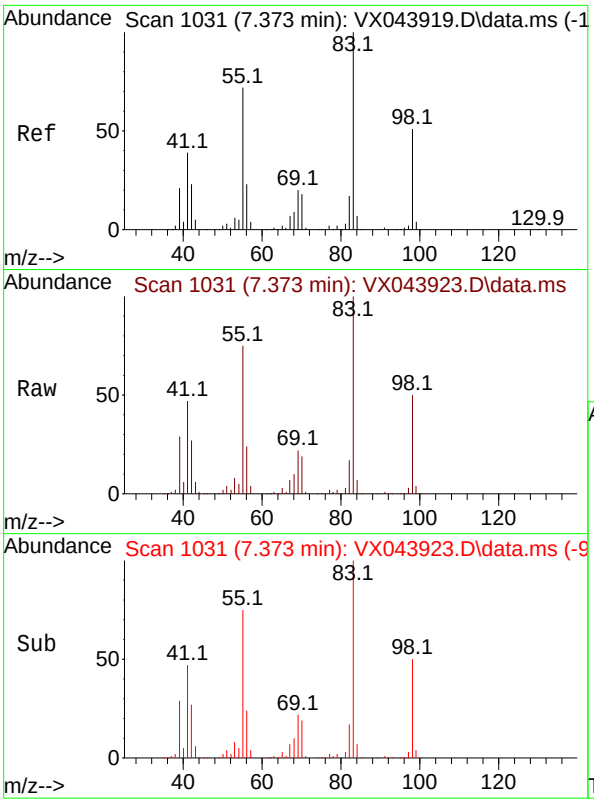


#38
Carbon Tetrachloride
Concen: 56.086 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

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



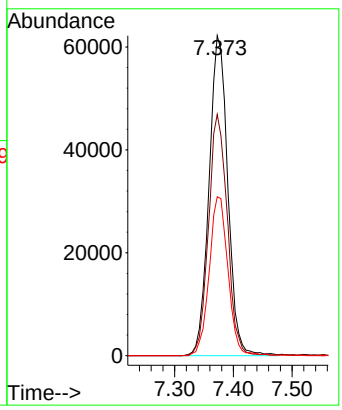


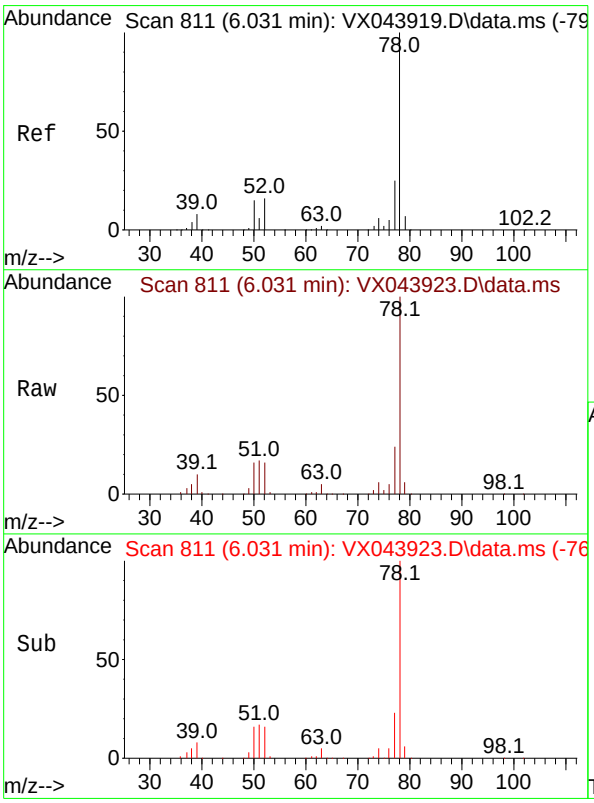
#39
Methylcyclohexane
Concen: 52.543 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

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

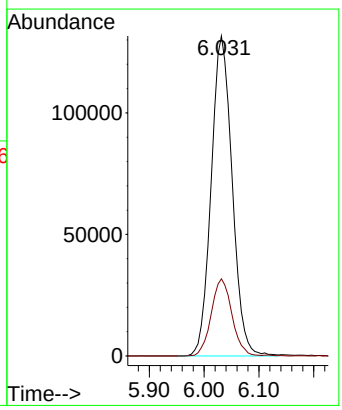


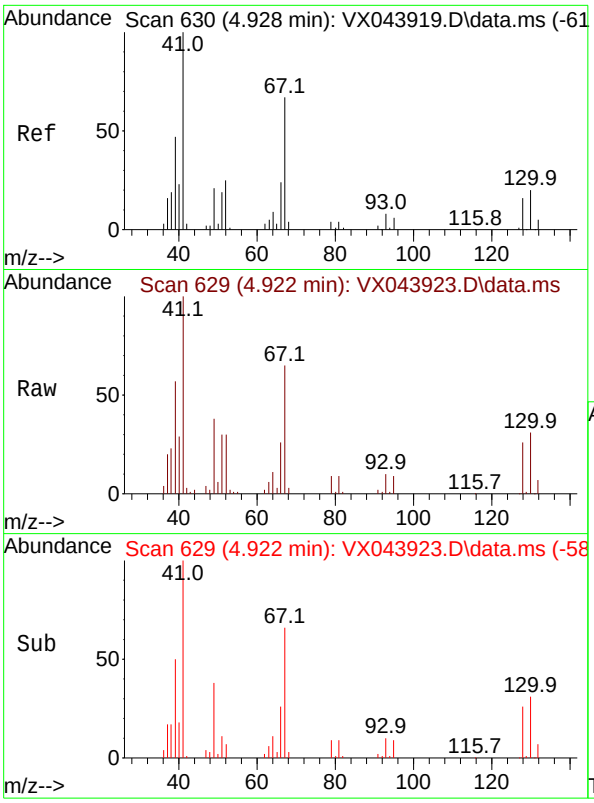


#40
Benzene
Concen: 53.028 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 78 Resp: 349857

Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.8	29.8



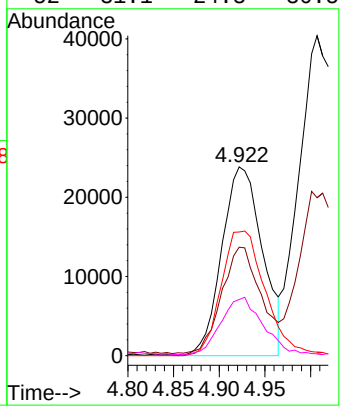


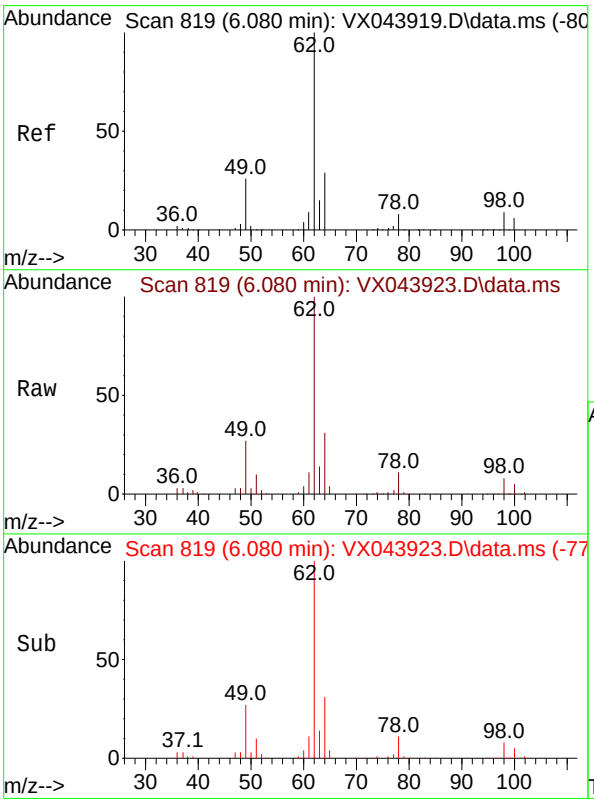
#41
Methacrylonitrile
Concen: 59.928 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

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

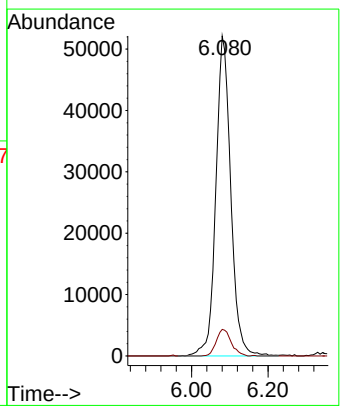


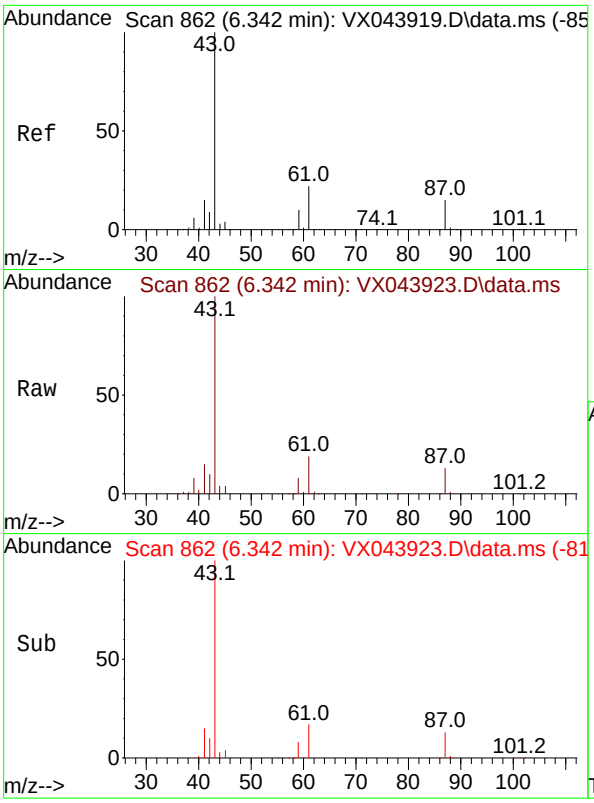


#42
1,2-Dichloroethane
Concen: 58.882 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 62 Resp: 141058

Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	18.6



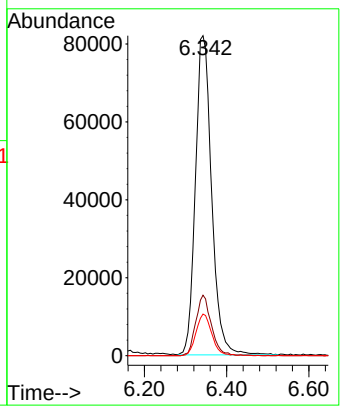


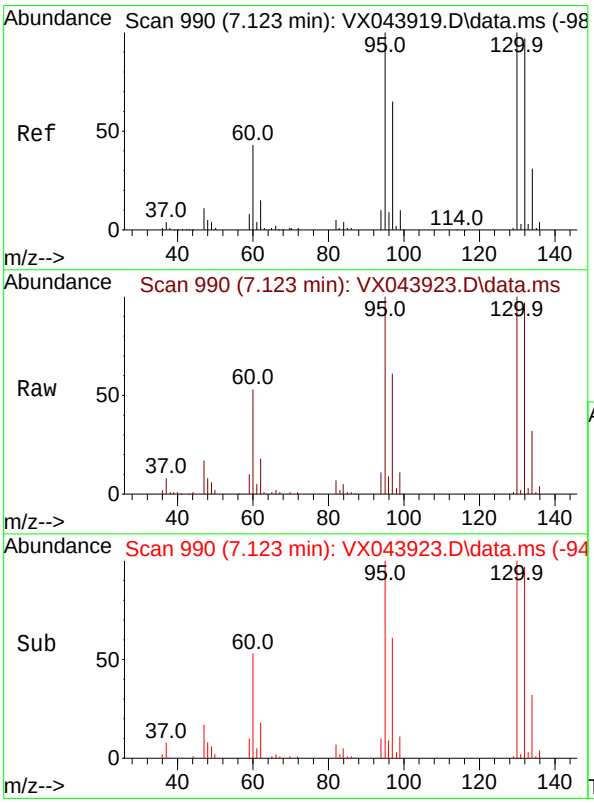
#43
Isopropyl Acetate
Concen: 60.266 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

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

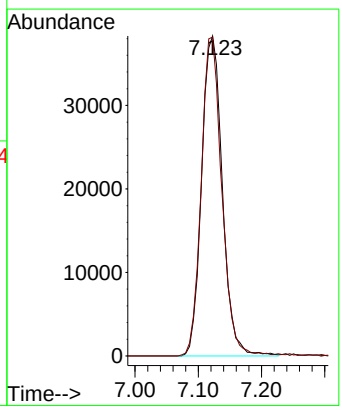


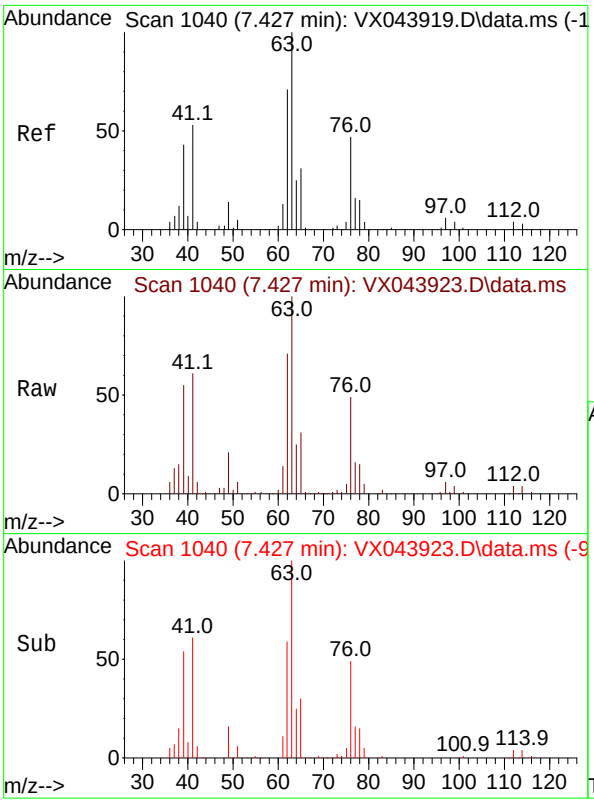


#44
Trichloroethene
Concen: 48.004 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion:130 Resp: 87313

Ion	Ratio	Lower	Upper
130	100		
95	99.7	0.0	200.8



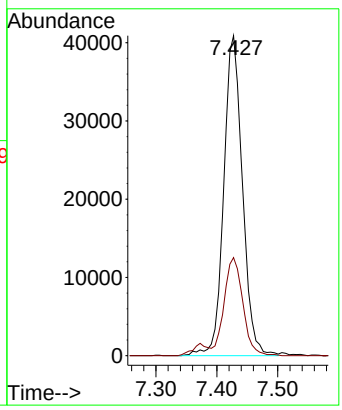


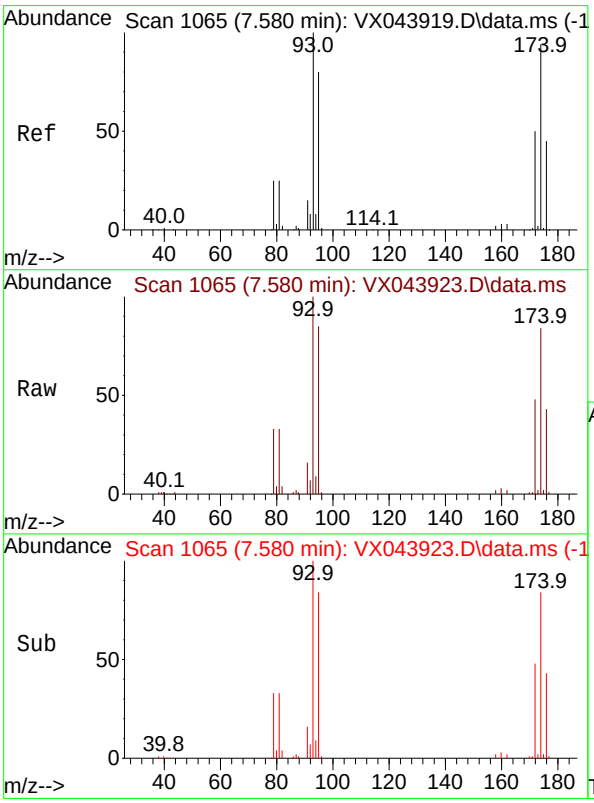
#45
1,2-Dichloropropane
Concen: 53.869 ug/l
RT: 7.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 63 Resp: 87107

Ion	Ratio	Lower	Upper
63	100		
65	30.6	24.5	36.7

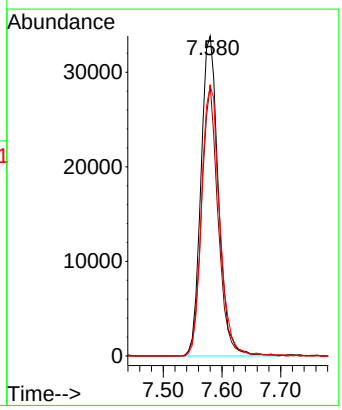


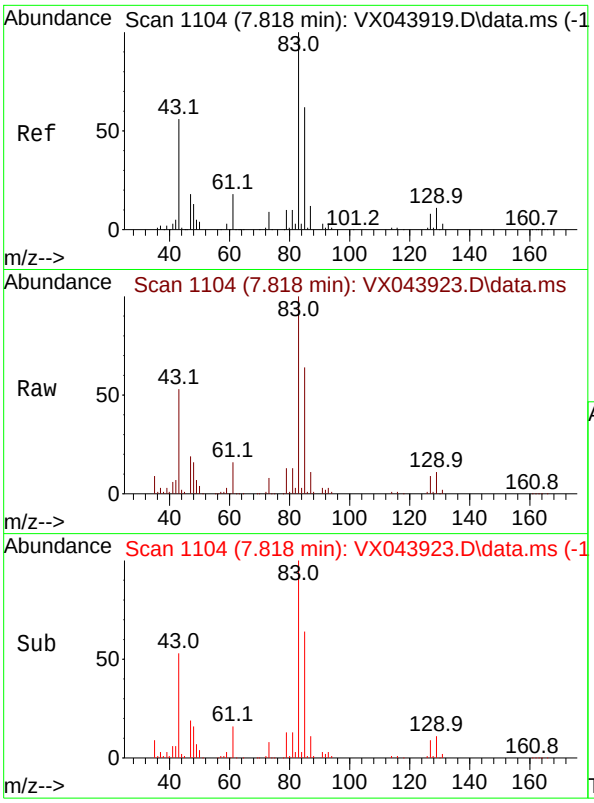


#46
Dibromomethane
Concen: 57.366 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

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



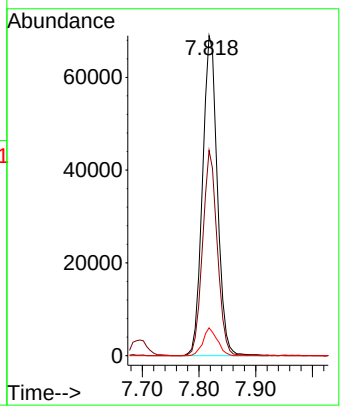


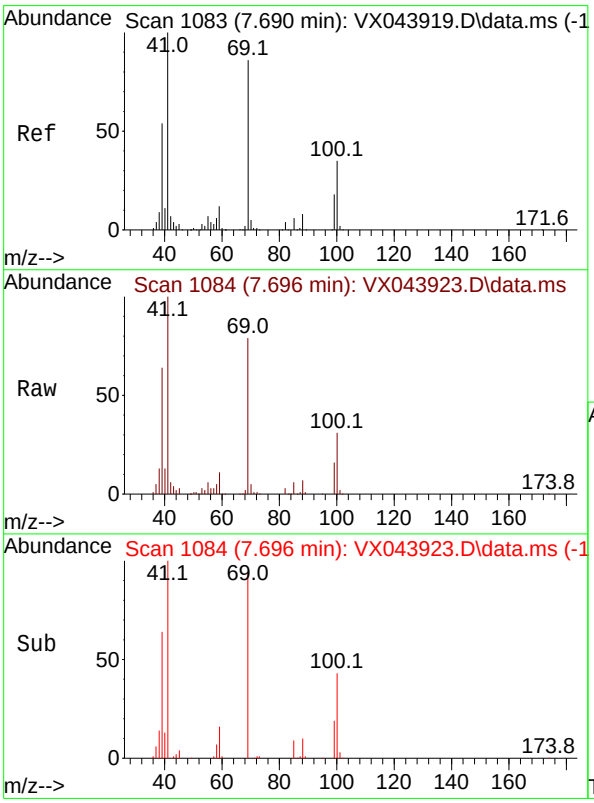
#47
Bromodichloromethane
Concen: 58.559 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

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

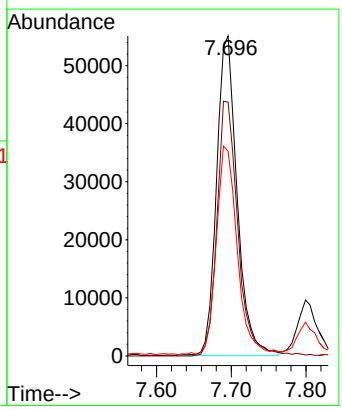


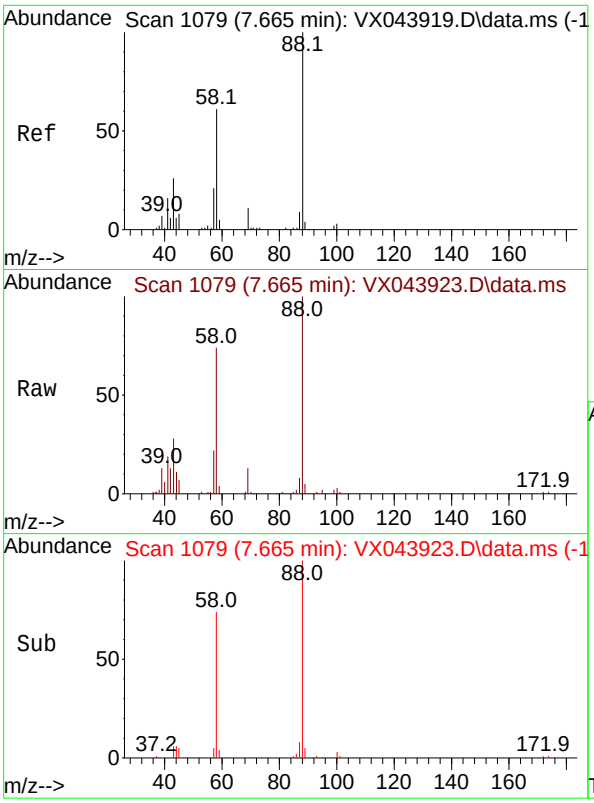


#48
Methyl methacrylate
Concen: 56.995 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

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#



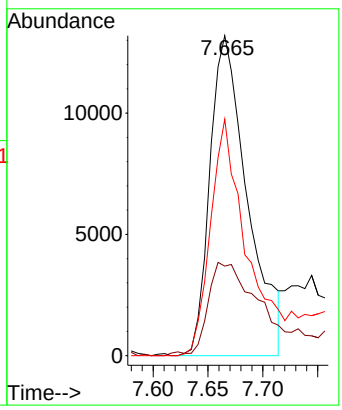


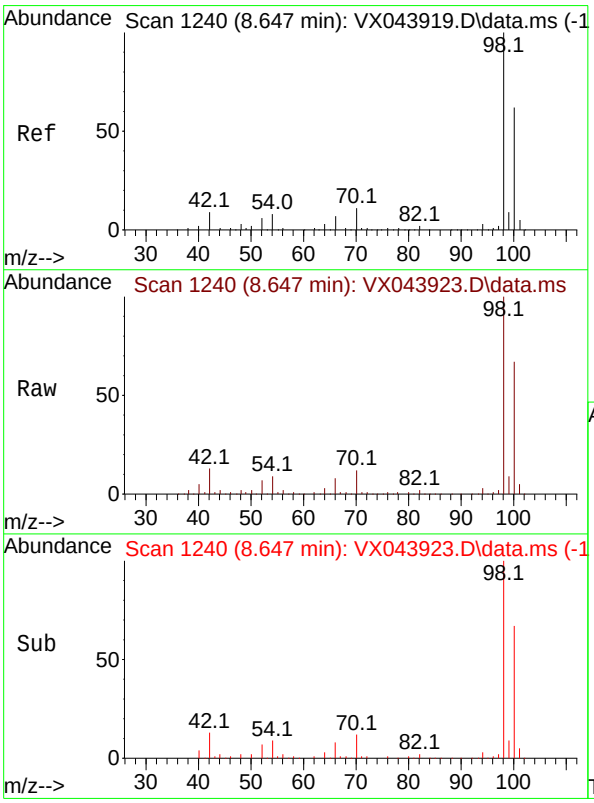
#49
1,4-Dioxane
Concen: 800.529 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 88 Resp: 31487

Ion	Ratio	Lower	Upper
88	100		
43	43.6	17.4	26.0#
58	71.4	41.0	61.6#

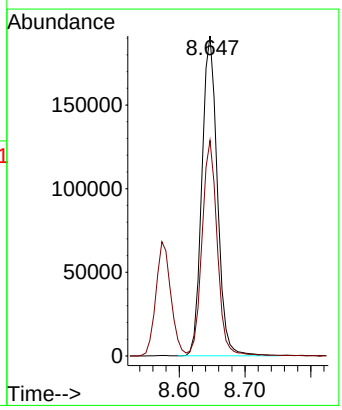


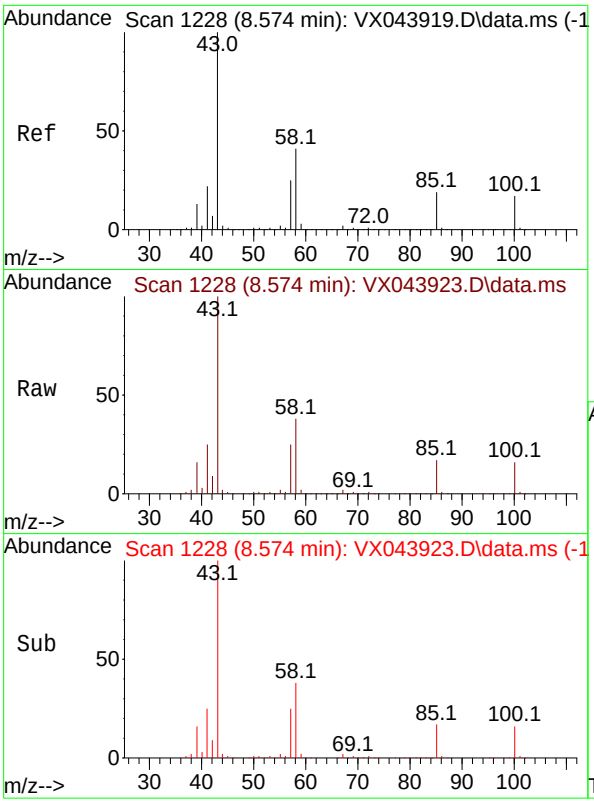


#50
Toluene-d8
Concen: 55.587 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 98 Resp: 312682

Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.0	79.6



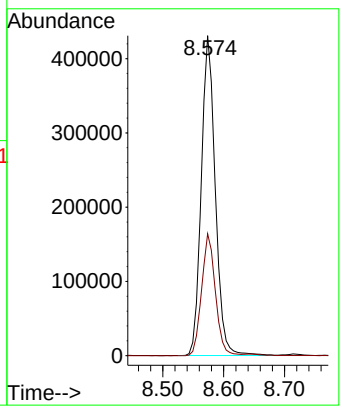


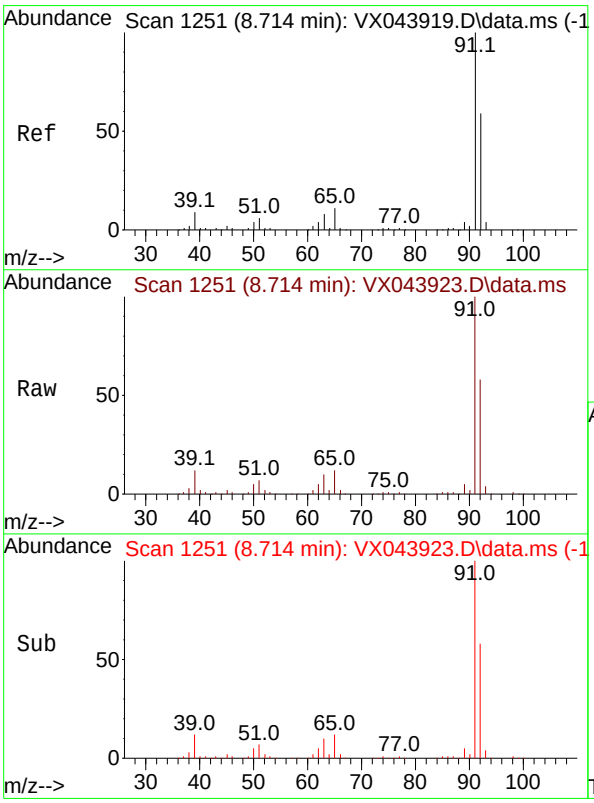
#51
4-Methyl-2-Pentanone
Concen: 296.806 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 43 Resp: 689501

Ion	Ratio	Lower	Upper
43	100		
58	37.4	32.4	48.6

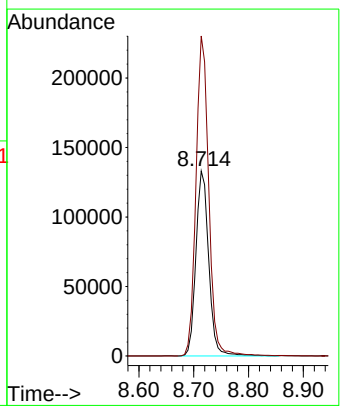


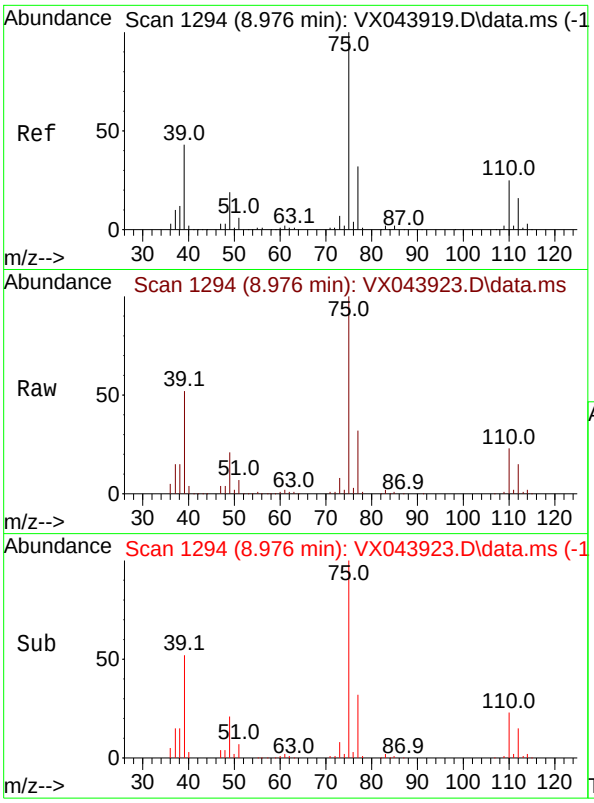


#52
Toluene
Concen: 57.032 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 92 Resp: 217080

Ion	Ratio	Lower	Upper
92	100		
91	171.9	136.2	204.4



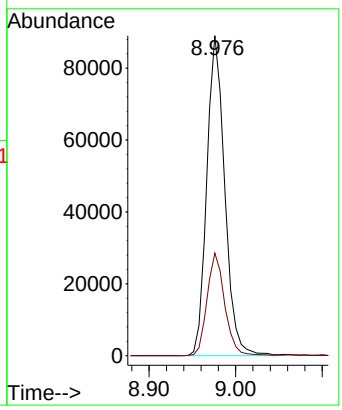


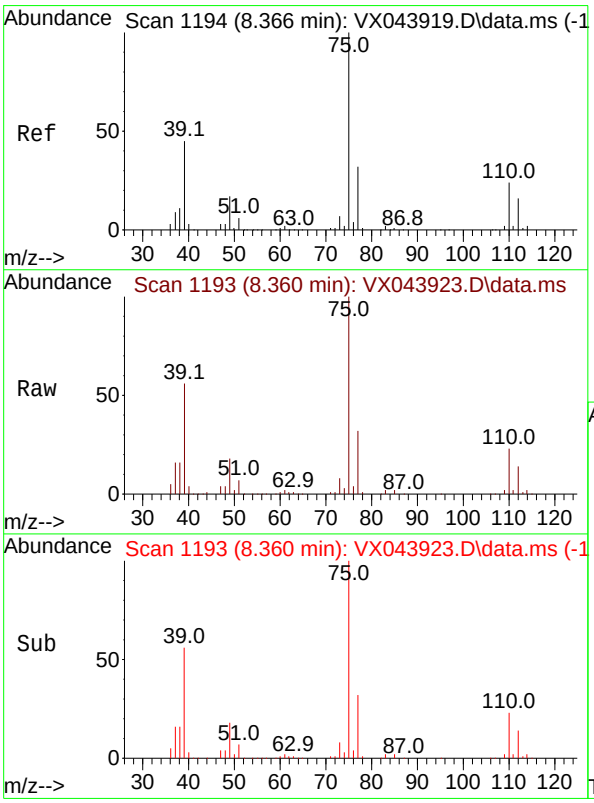
#53
t-1,3-Dichloropropene
Concen: 59.078 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 75 Resp: 128331

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.9	38.9

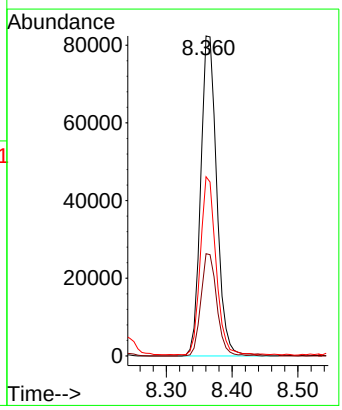


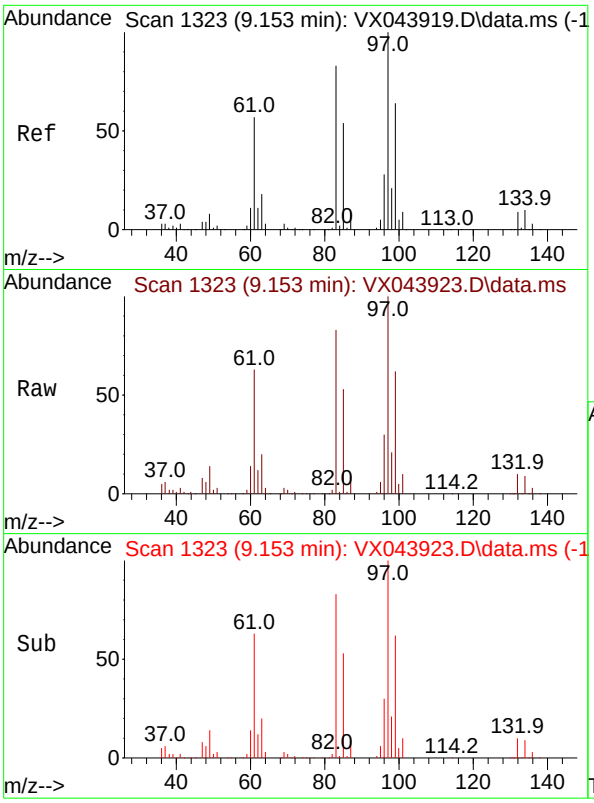


#54
cis-1,3-Dichloropropene
Concen: 56.813 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

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#



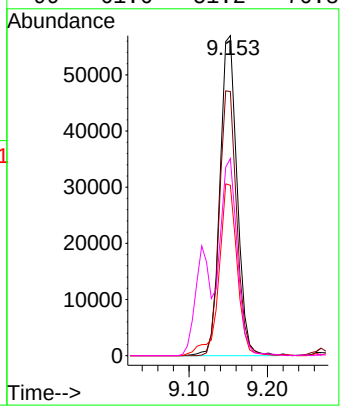


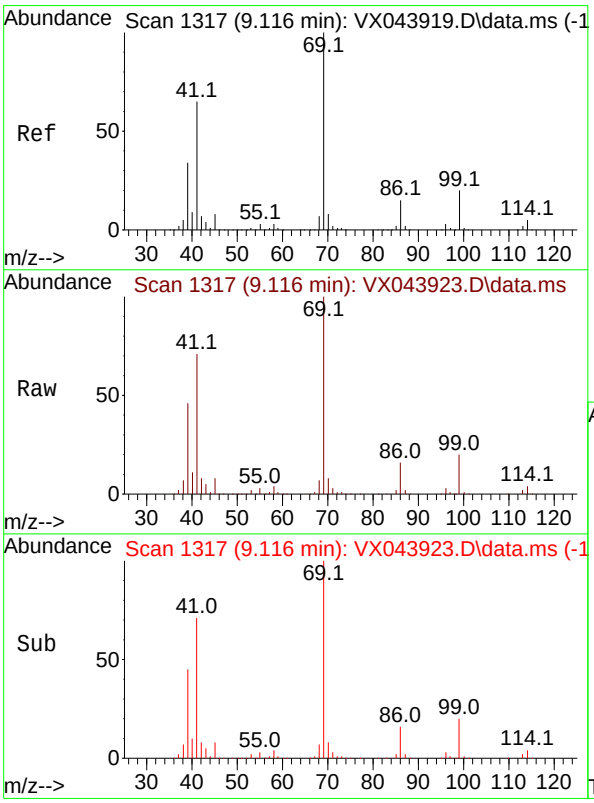
#55
1,1,2-Trichloroethane
Concen: 58.565 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

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

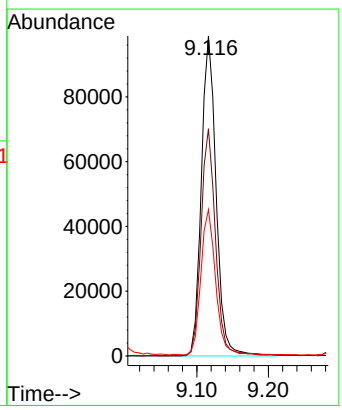


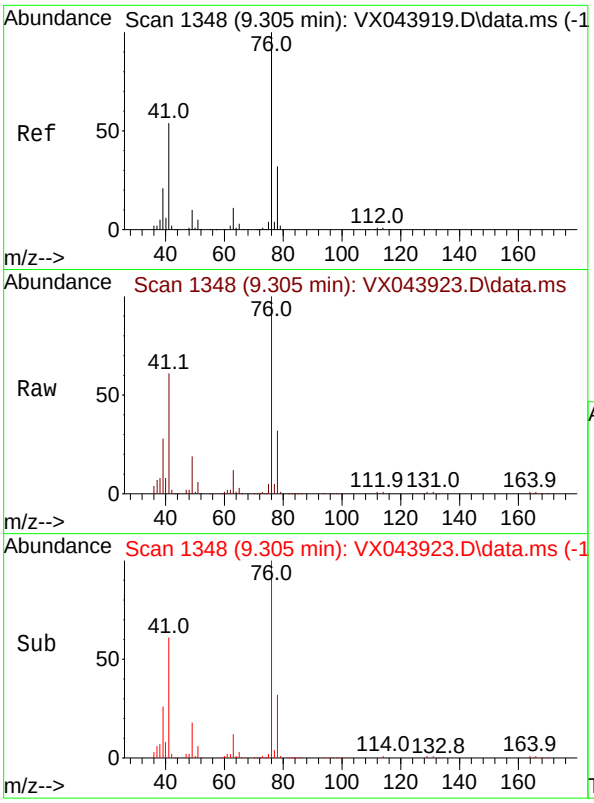


#56
Ethyl methacrylate
Concen: 60.268 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

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#



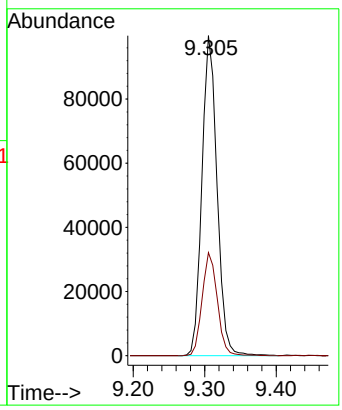


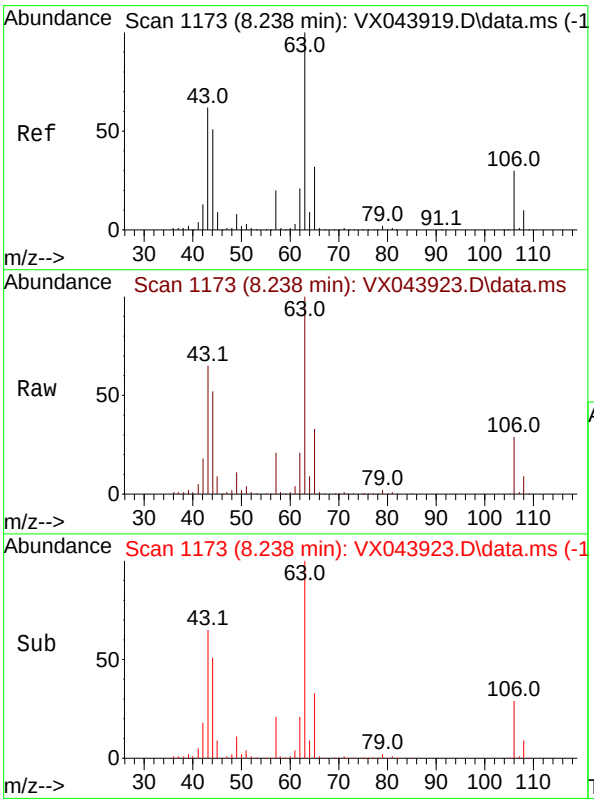
#57
1,3-Dichloropropane
Concen: 58.860 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 76 Resp: 146448

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.9	38.9

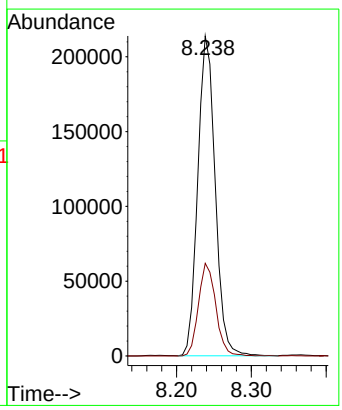


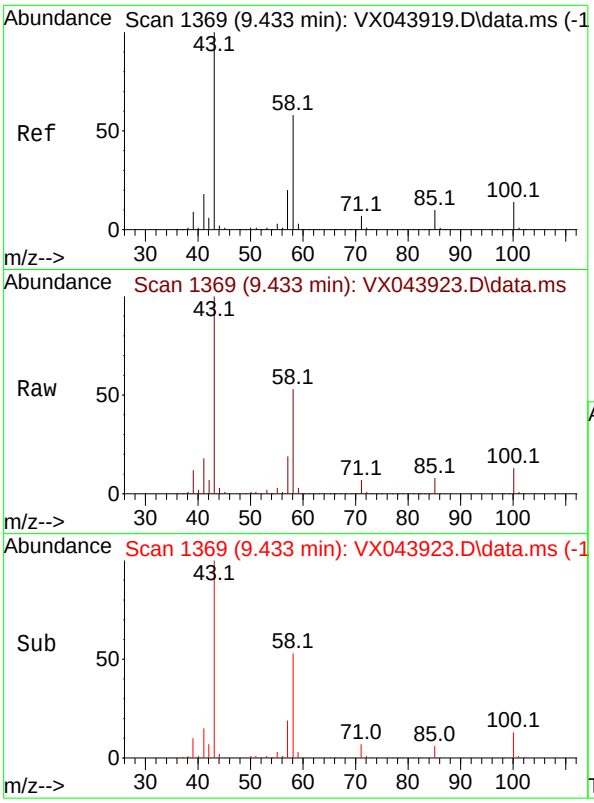


#58
2-Chloroethyl Vinyl ether
Concen: 280.598 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 63 Resp: 346010

Ion	Ratio	Lower	Upper
63	100		
106	28.7	23.8	35.6



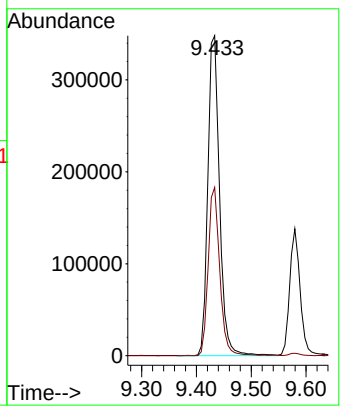


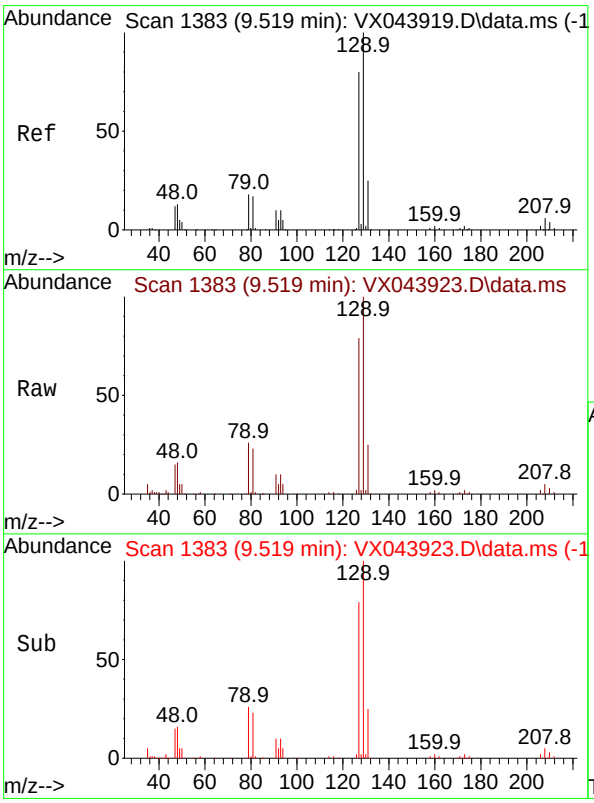
#59
2-Hexanone
Concen: 313.432 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 43 Resp: 513732

Ion	Ratio	Lower	Upper
43	100		
58	52.0	28.3	84.9

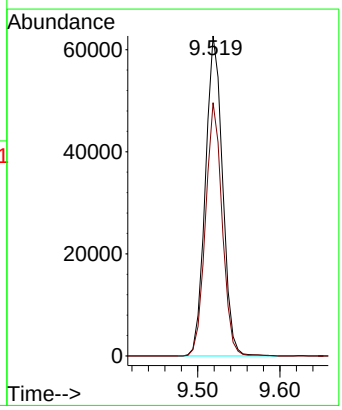


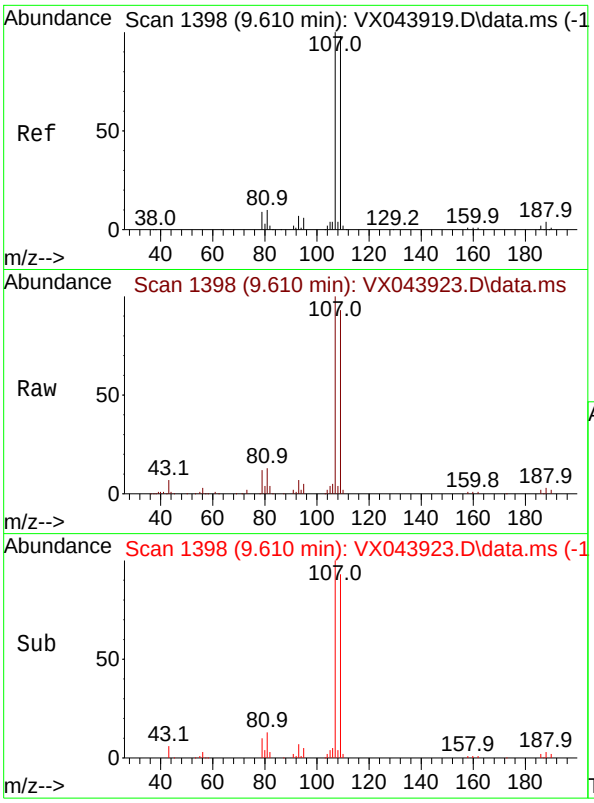


#60
Dibromochloromethane
Concen: 62.789 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion:129 Resp: 90863

Ion	Ratio	Lower	Upper
129	100		
127	76.7	38.6	115.8



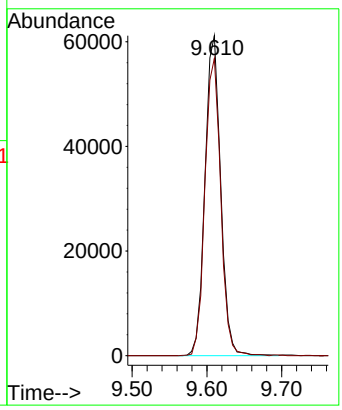


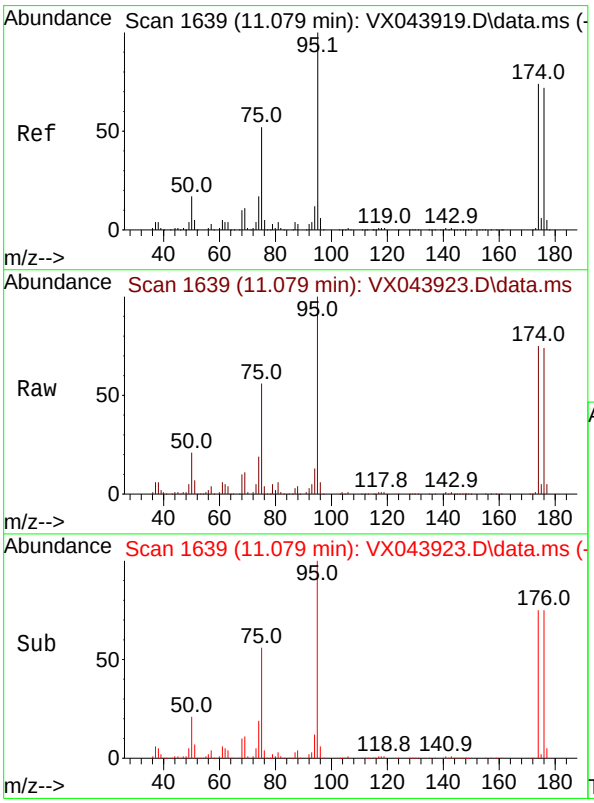
#61
1,2-Dibromoethane
Concen: 57.509 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion:107 Resp: 89087

Ion	Ratio	Lower	Upper
107	100		
109	93.5	76.2	114.2

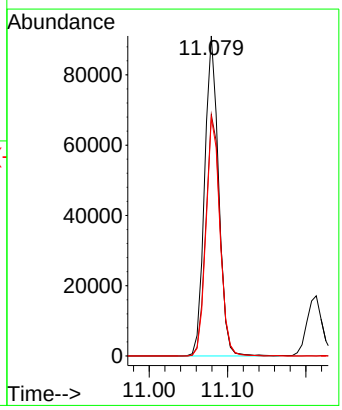


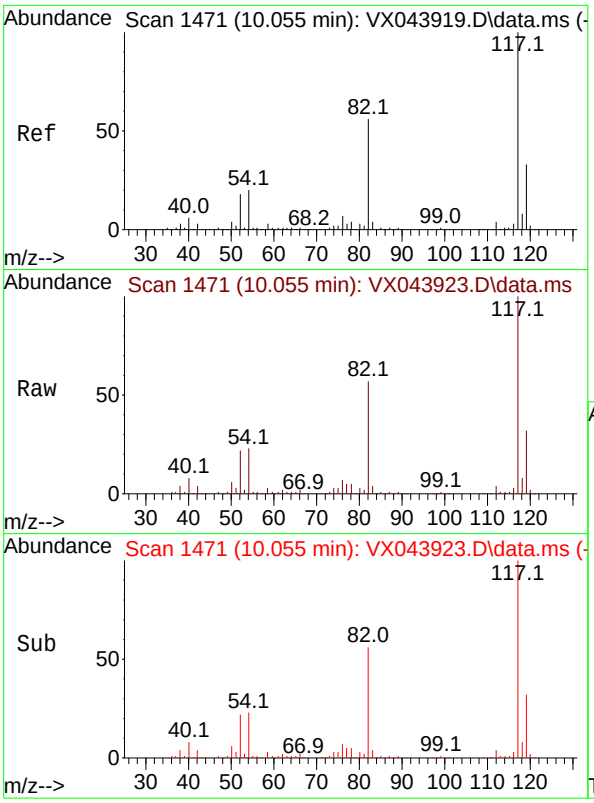


#62
4-Bromofluorobenzene
Concen: 60.492 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

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



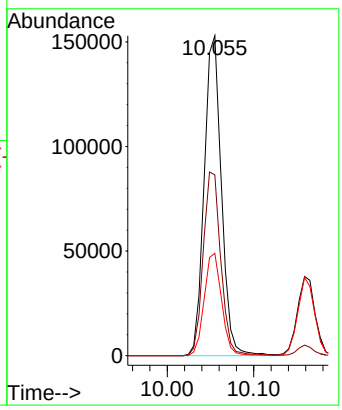


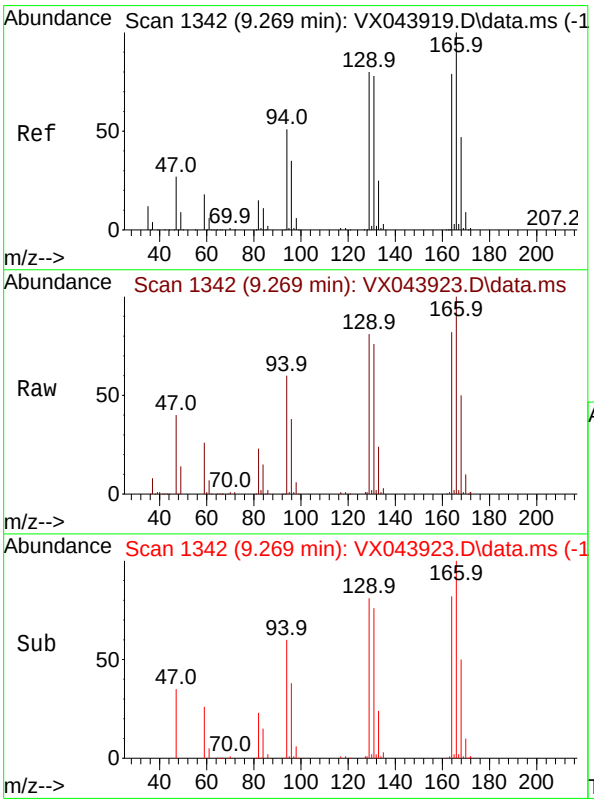
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

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

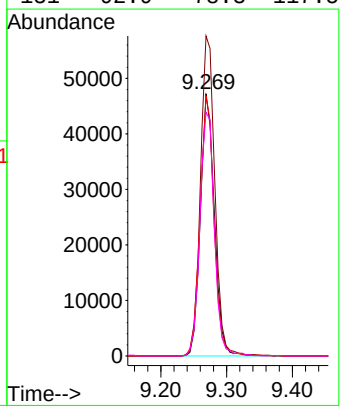


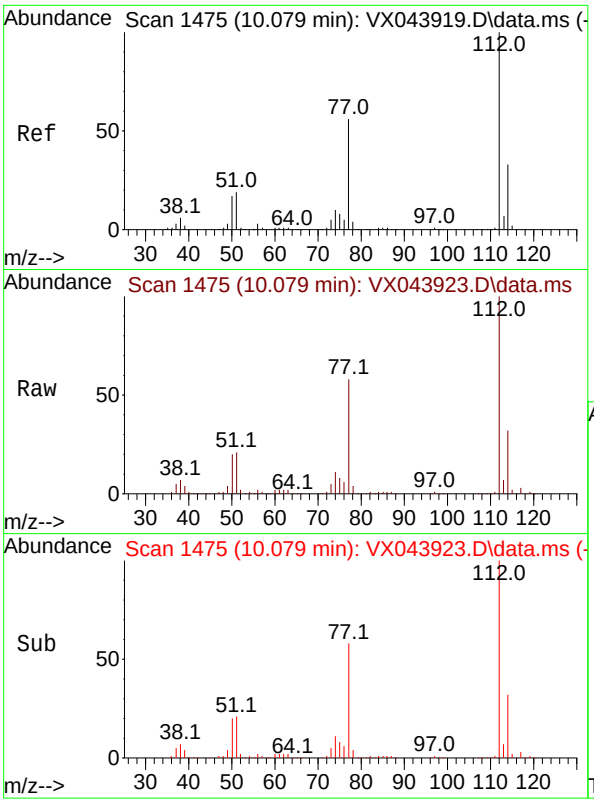


#64
Tetrachloroethene
Concen: 51.529 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

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



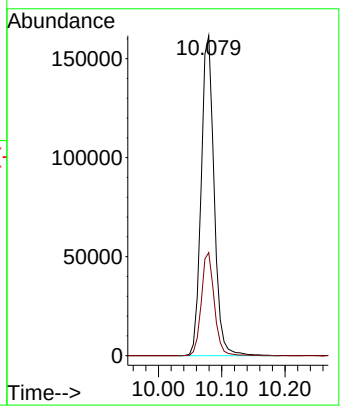


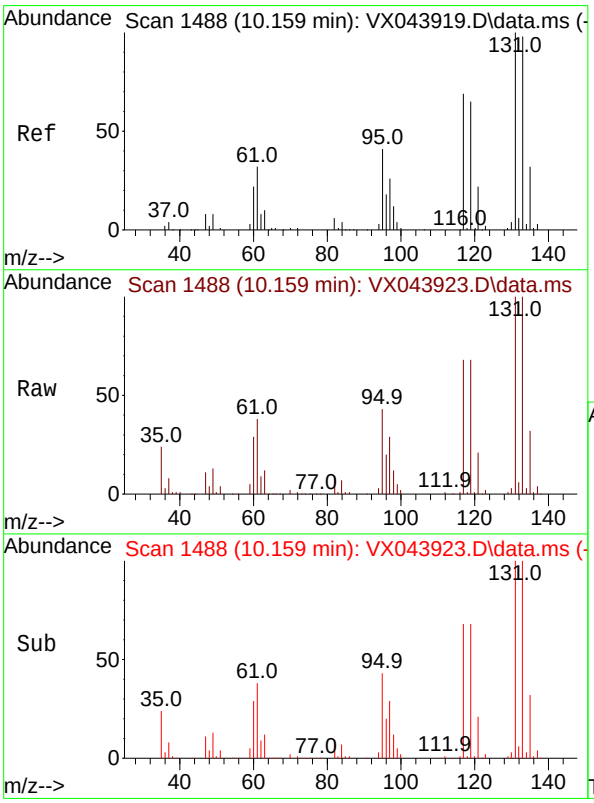
#65
Chlorobenzene
Concen: 52.143 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion:112 Resp: 230498

Ion	Ratio	Lower	Upper
112	100		
114	32.2	26.1	39.1

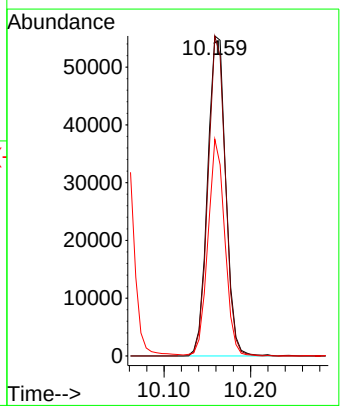


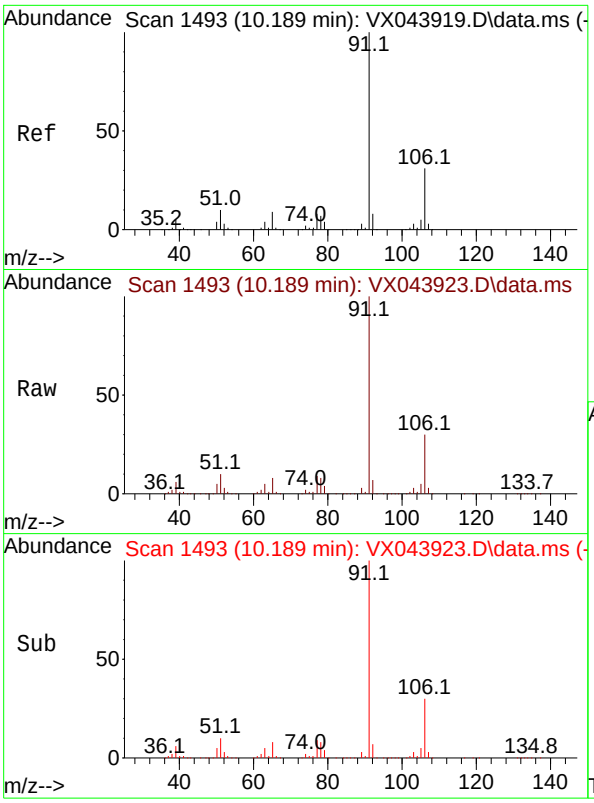


#66
1,1,1,2-Tetrachloroethane
Concen: 54.848 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

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



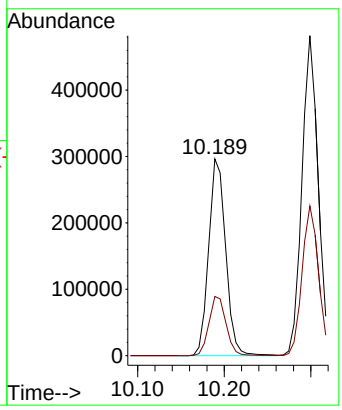


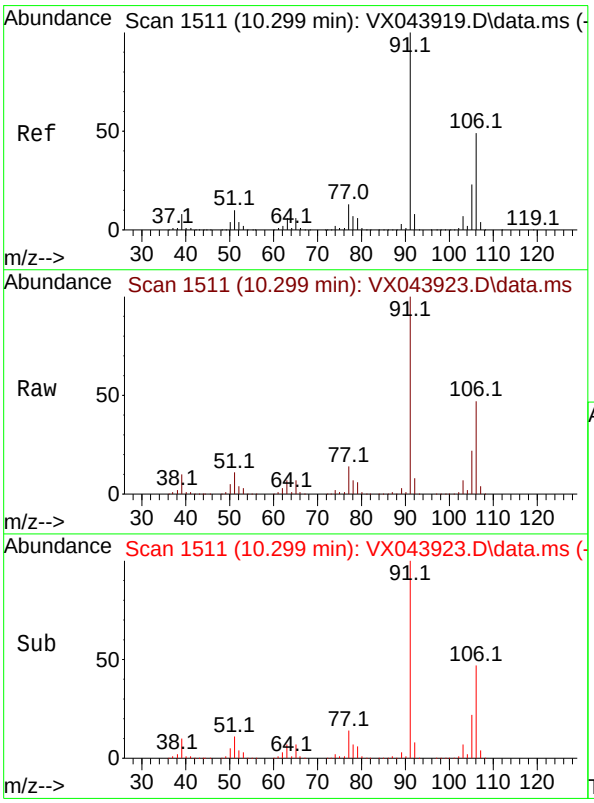
#67
Ethyl Benzene
Concen: 54.424 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 91 Resp: 404866

Ion	Ratio	Lower	Upper
91	100		
106	30.1	25.0	37.4

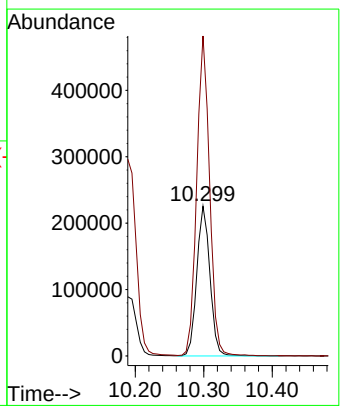


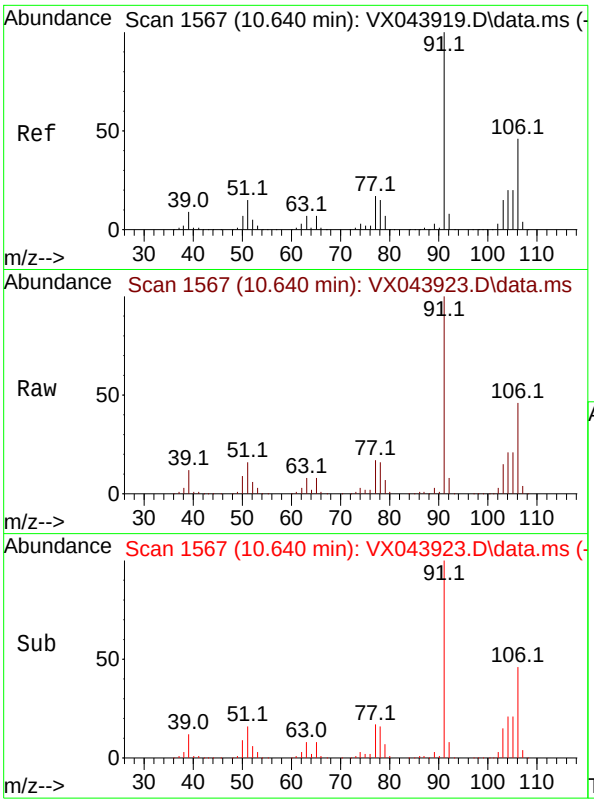


#68
m/p-Xylenes
Concen: 108.500 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion:106 Resp: 300638

Ion	Ratio	Lower	Upper
106	100		
91	209.6	163.3	244.9



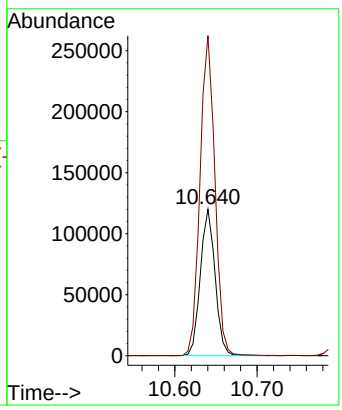


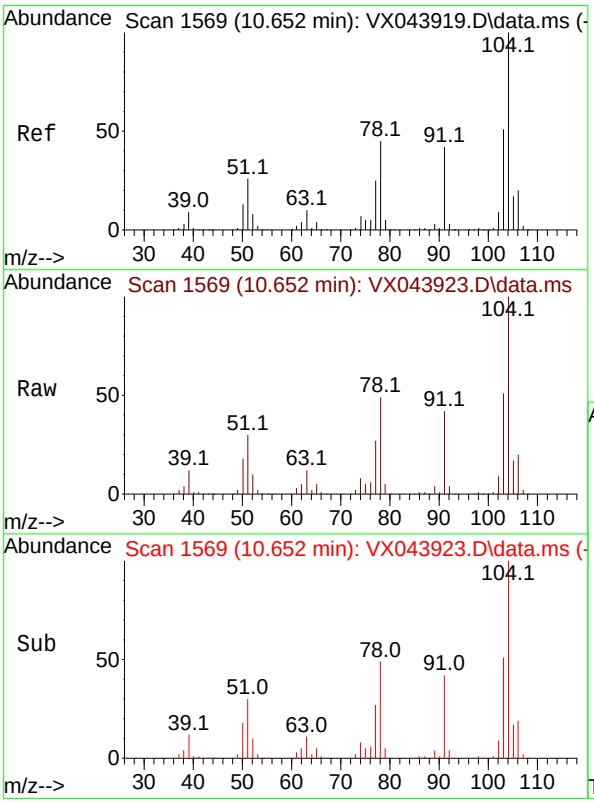
#69
o-Xylene
Concen: 55.404 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion:106 Resp: 149788

Ion	Ratio	Lower	Upper
106	100		
91	220.6	109.6	328.6

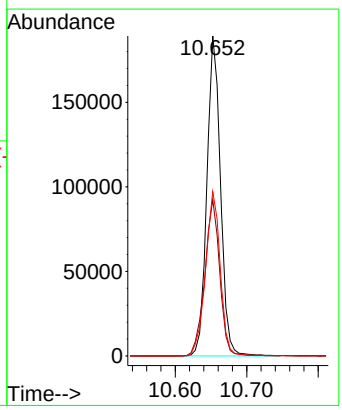


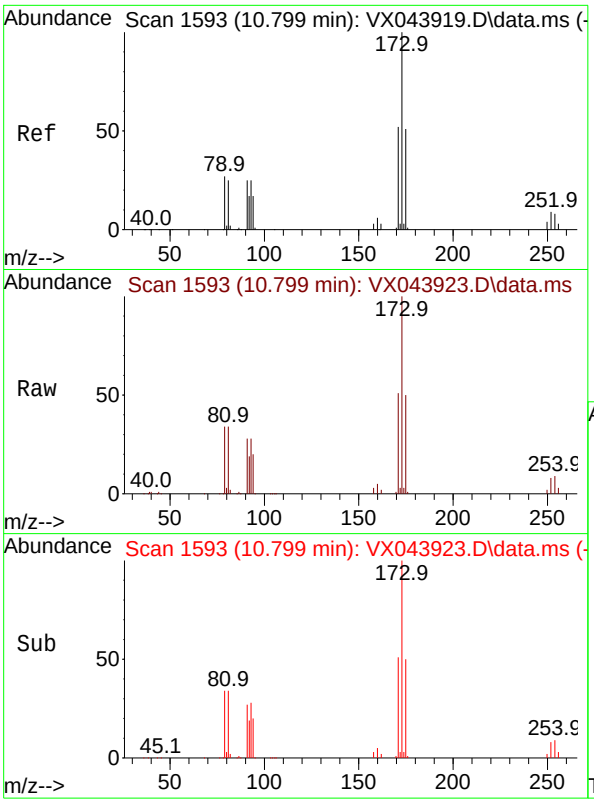


#70
Styrene
Concen: 56.236 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

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



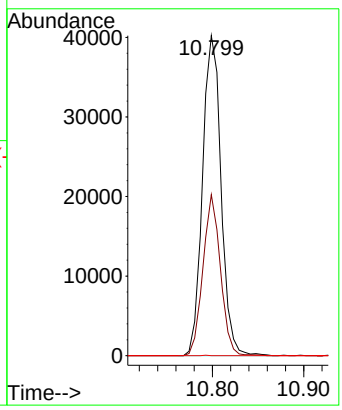


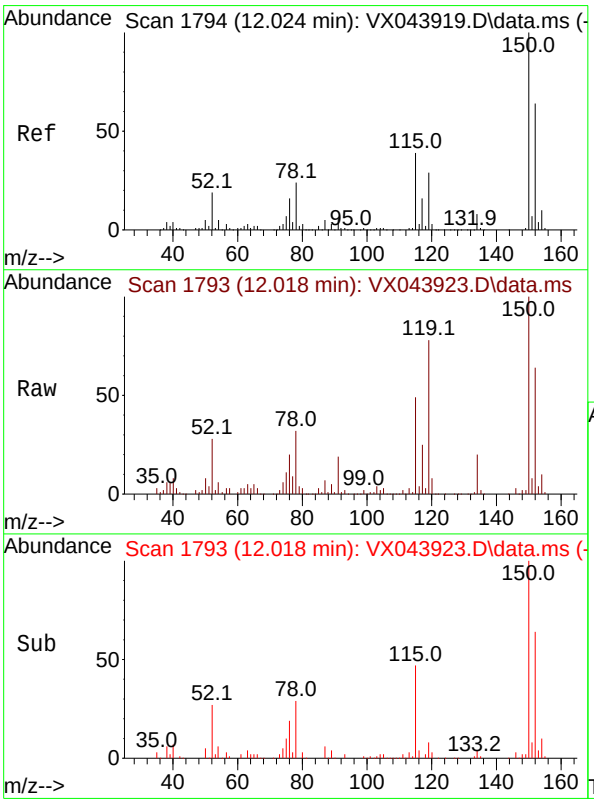
#71
Bromoform
Concen: 49.198 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

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#

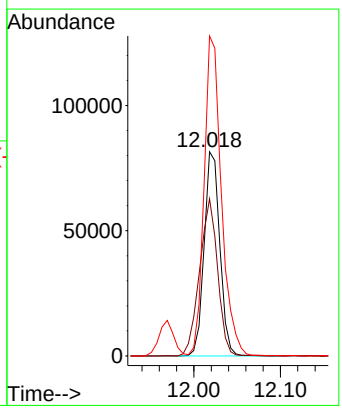


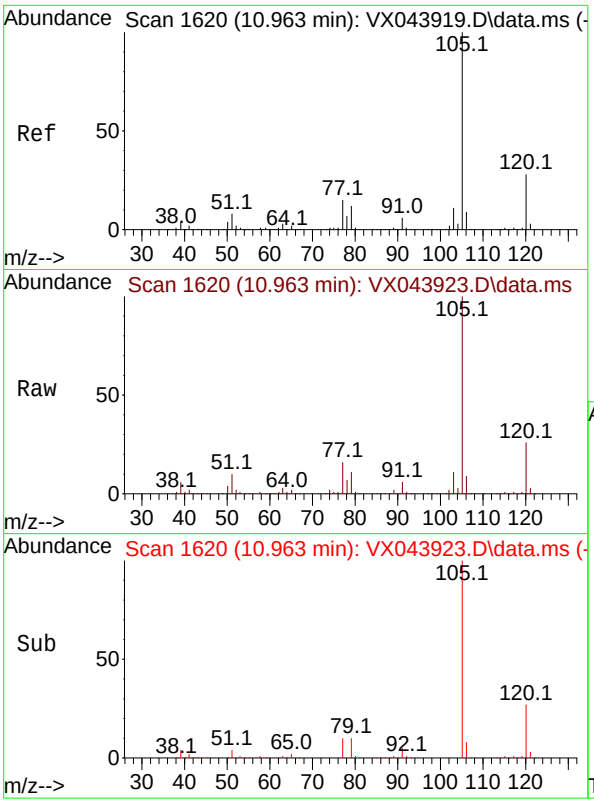


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

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



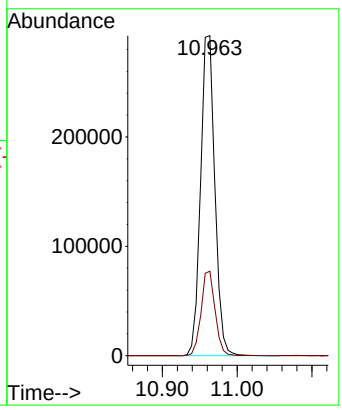


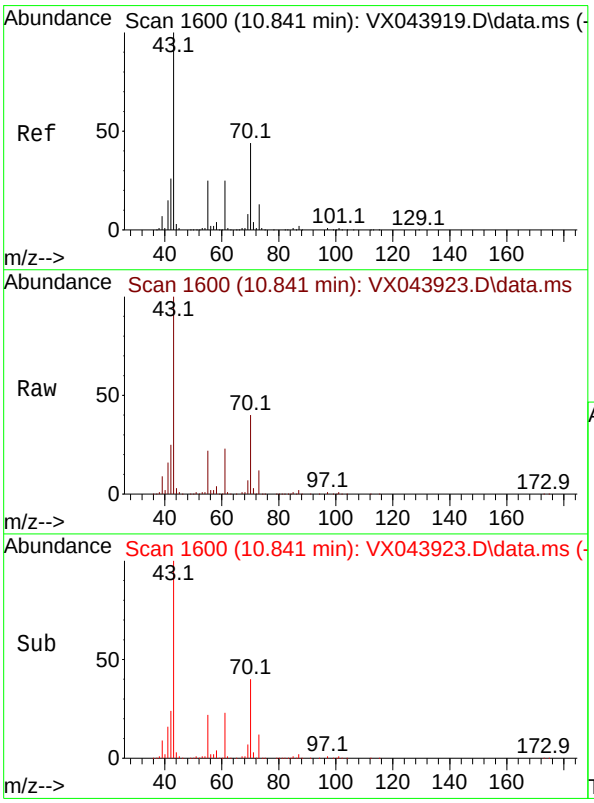
#73
Isopropylbenzene
Concen: 53.117 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion:105 Resp: 387920

Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.3	39.8

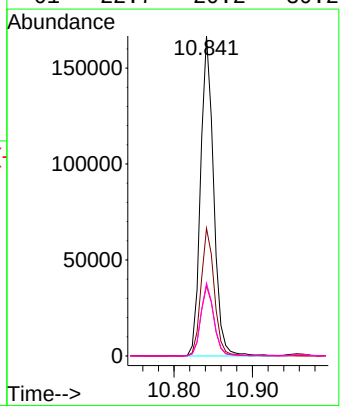


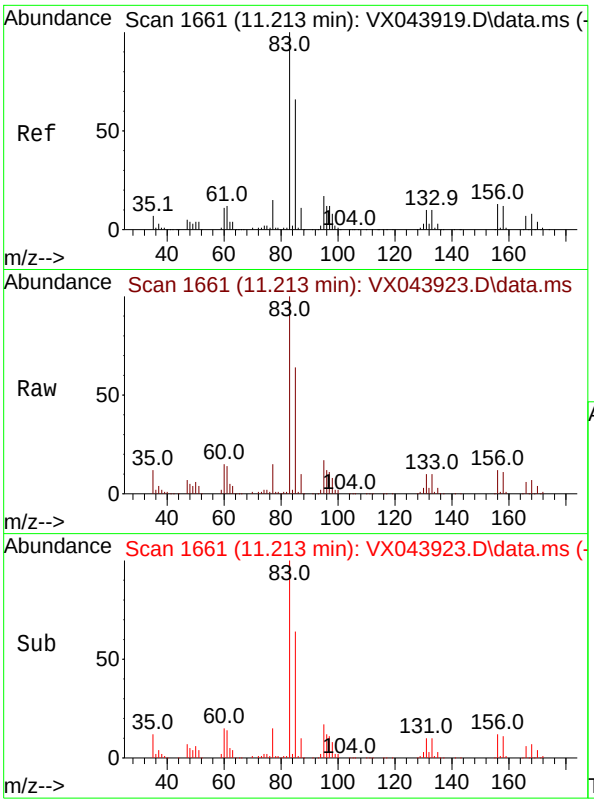


#74
N-amyl acetate
Concen: 51.587 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

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



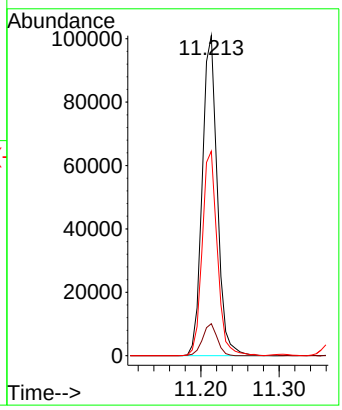


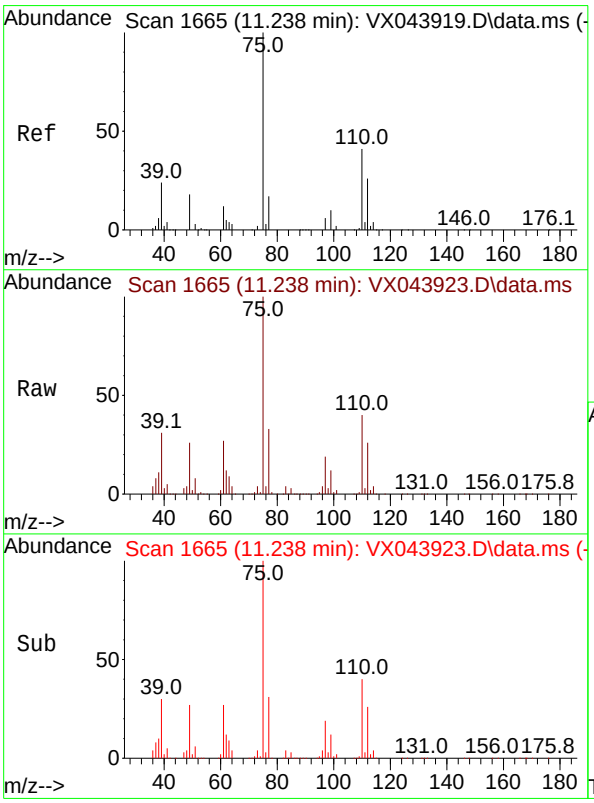
#75
1,1,2,2-Tetrachloroethane
Concen: 54.391 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

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

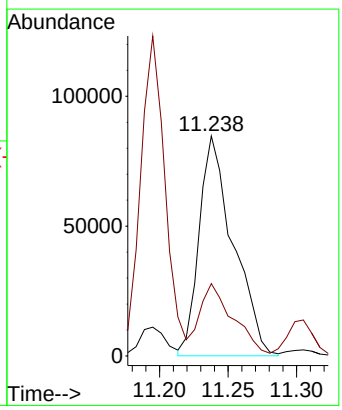


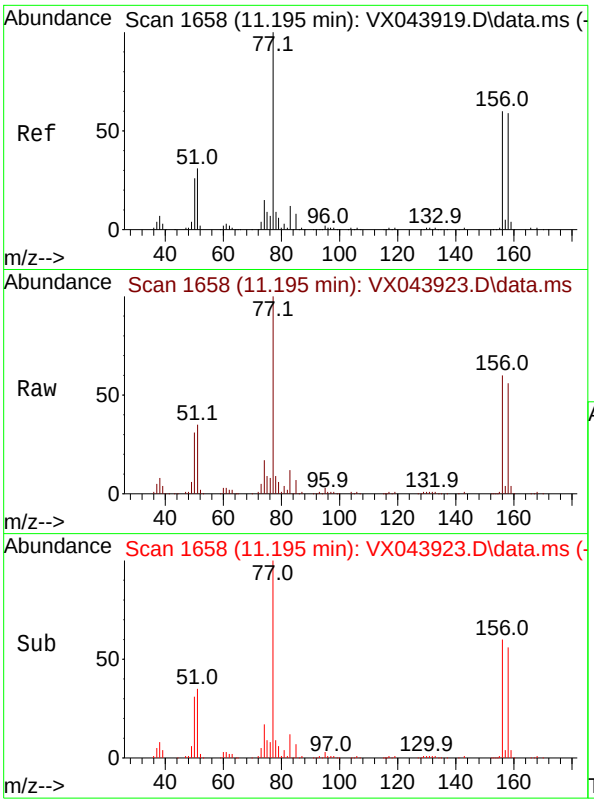


#76
1,2,3-Trichloropropane
Concen: 70.393 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 75 Resp: 146981

Ion	Ratio	Lower	Upper
75	100		
77	32.3	22.4	67.0



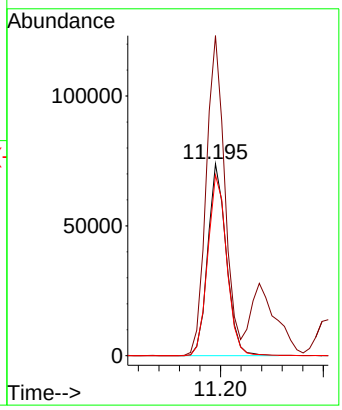


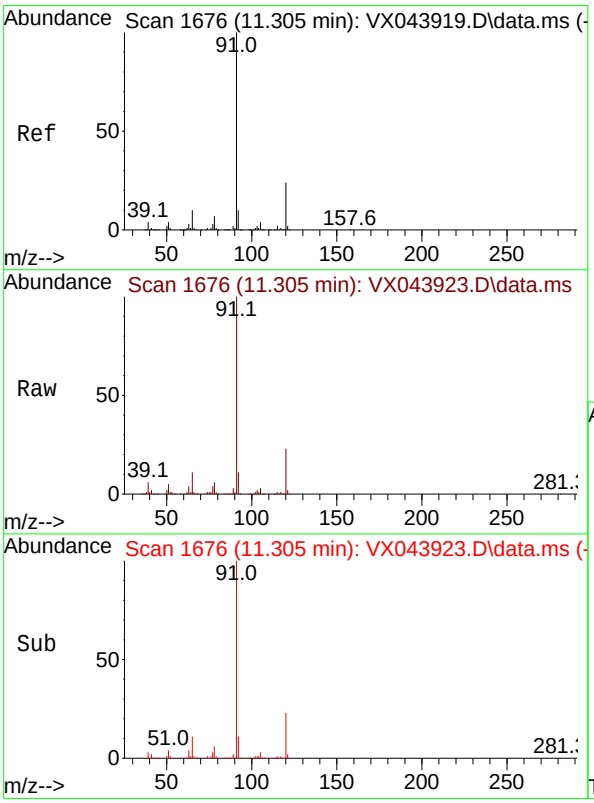
#77
Bromobenzene
Concen: 51.501 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

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

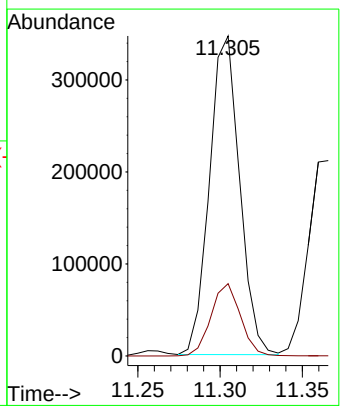


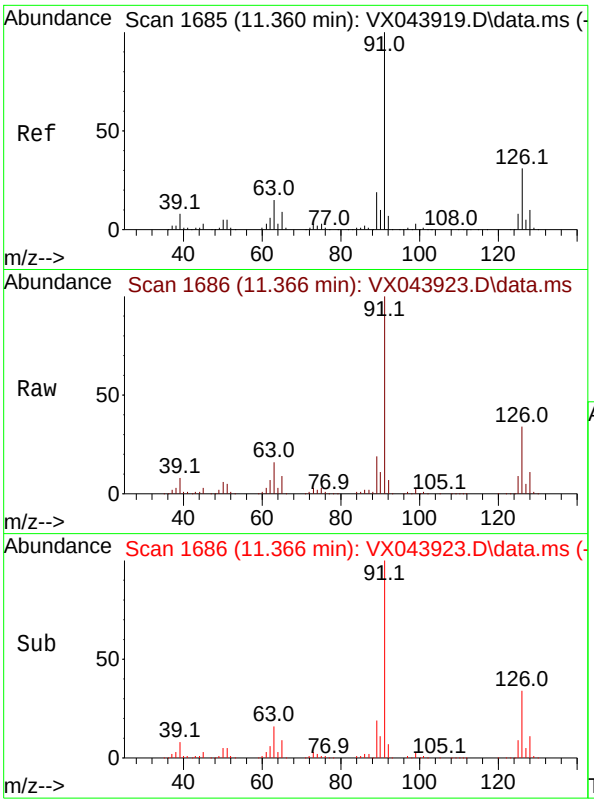


#78
n-propylbenzene
Concen: 54.835 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 91 Resp: 441866

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.5	34.5



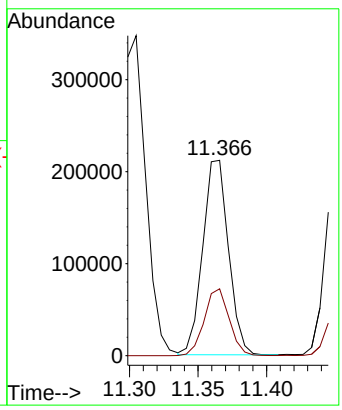


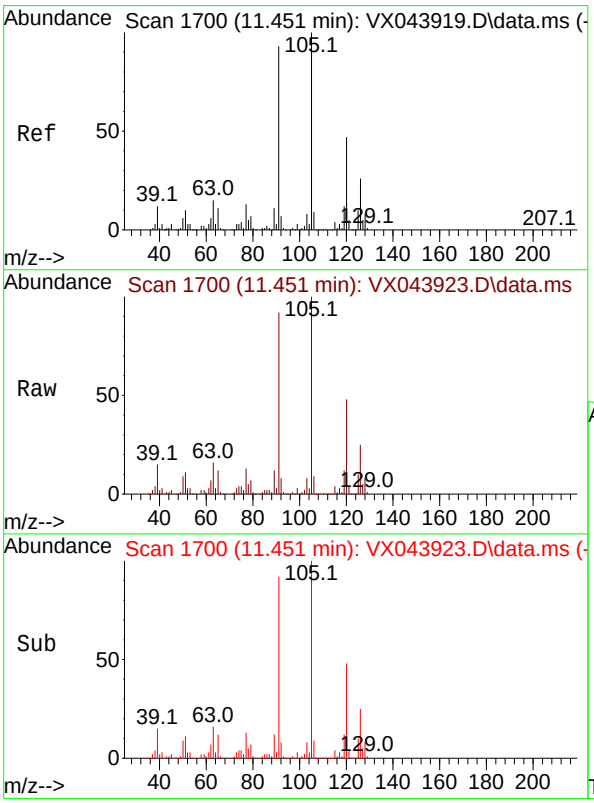
#79
2-Chlorotoluene
Concen: 54.025 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 91 Resp: 277003

Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.4	49.4

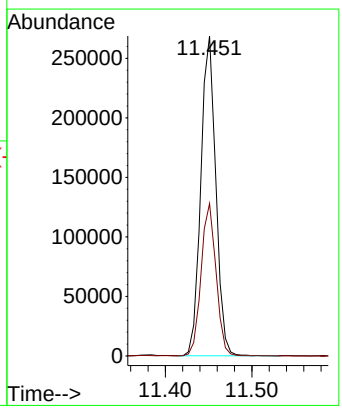


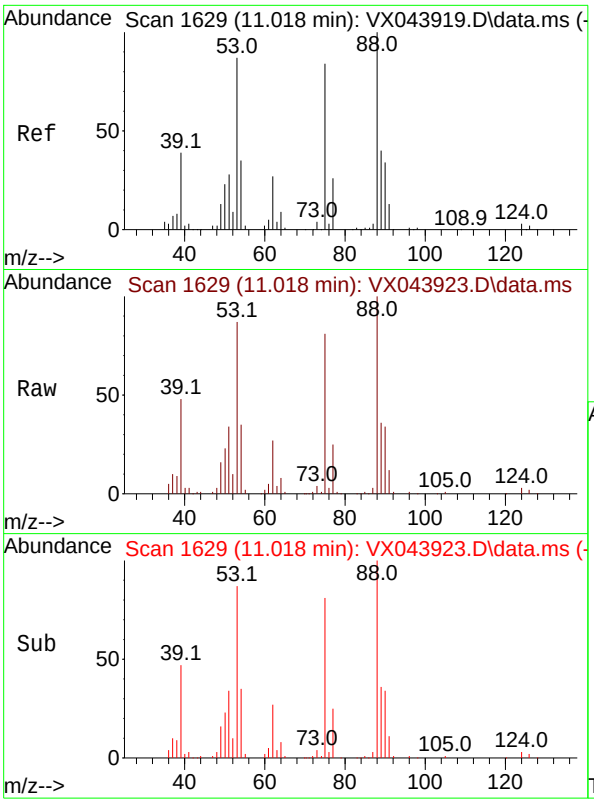


#80
1,3,5-Trimethylbenzene
Concen: 53.291 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion:105 Resp: 322601

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.8	71.5



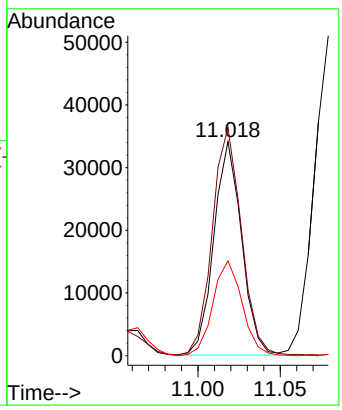


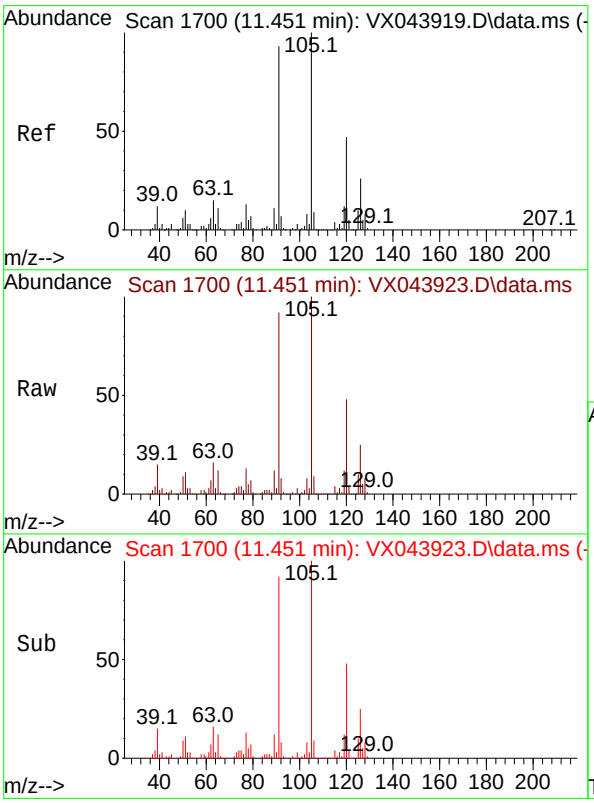
#81
trans-1,4-Dichloro-2-butene
Concen: 48.469 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

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

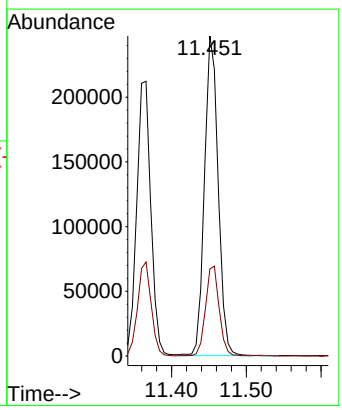


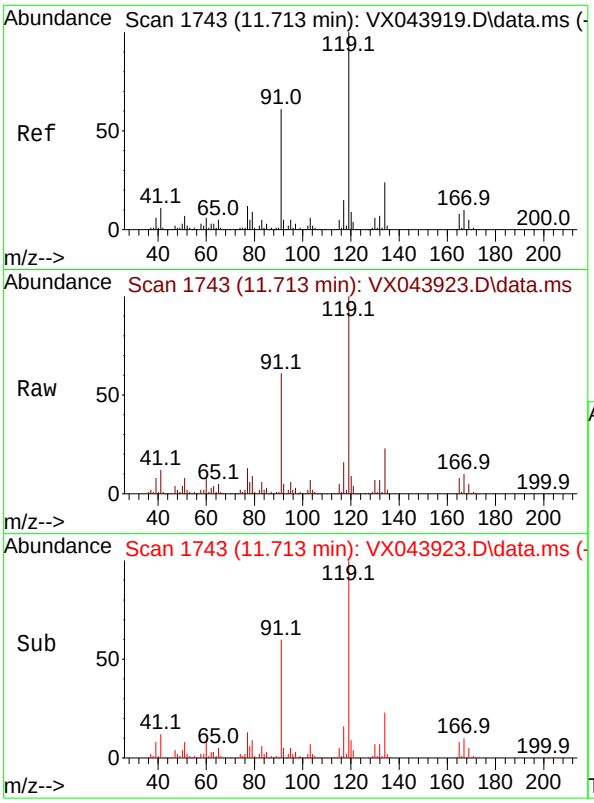


#82
4-Chlorotoluene
Concen: 53.165 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion: 91 Resp: 313937

Ion	Ratio	Lower	Upper
91	100		
126	27.9	14.4	43.2



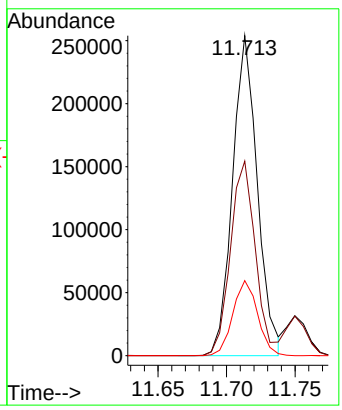


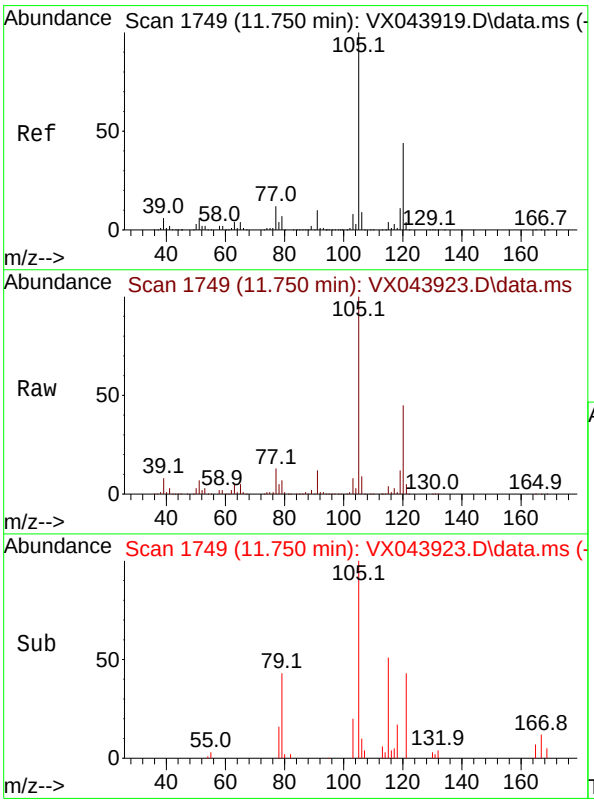
#83
tert-Butylbenzene
Concen: 51.719 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

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

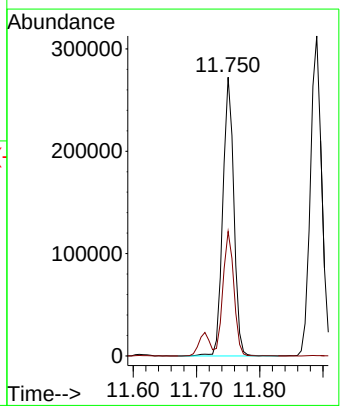


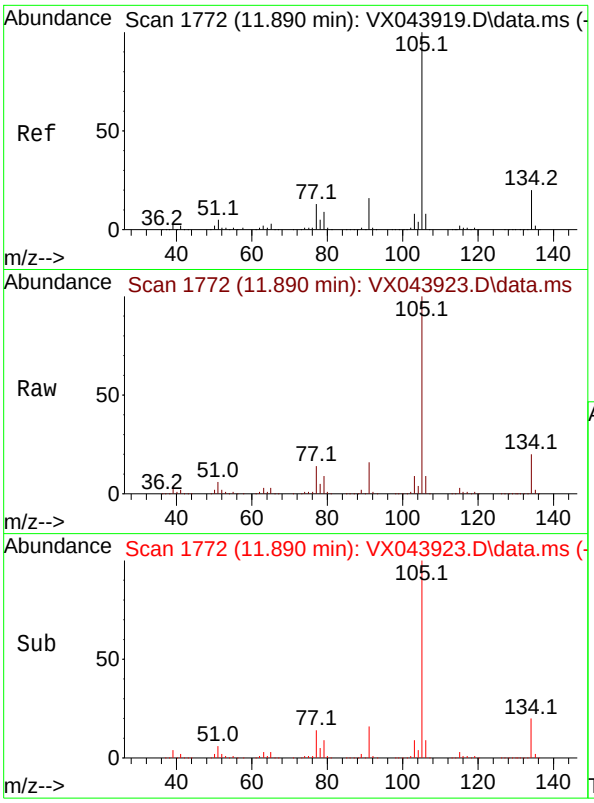


#84
1,2,4-Trimethylbenzene
Concen: 53.283 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion:105 Resp: 327564

Ion	Ratio	Lower	Upper
105	100		
120	44.4	21.7	65.1



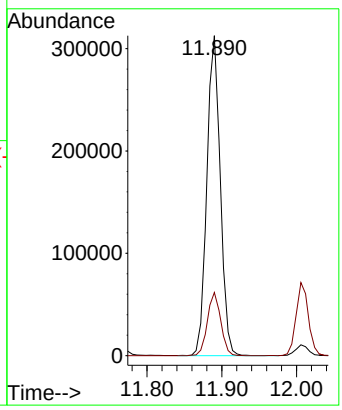


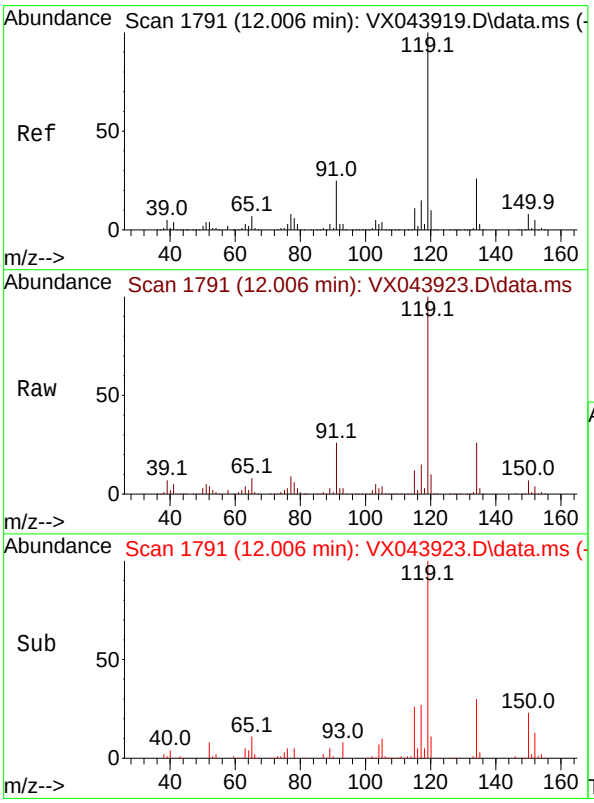
#85
sec-Butylbenzene
Concen: 52.682 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion:105 Resp: 389571

Ion	Ratio	Lower	Upper
105	100		
134	19.6	10.0	29.8

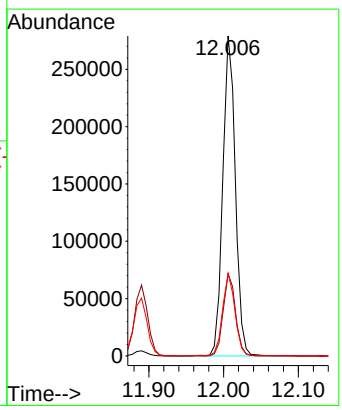


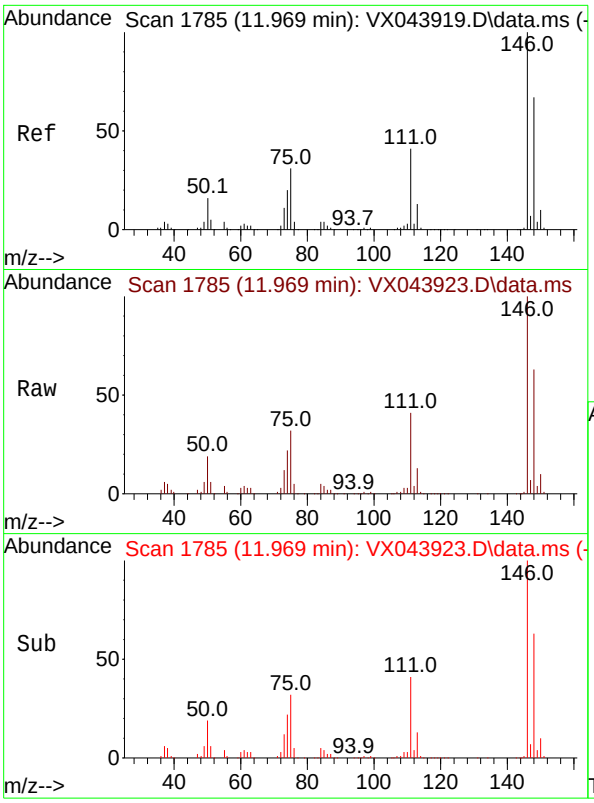


#86
p-Isopropyltoluene
Concen: 52.472 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

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



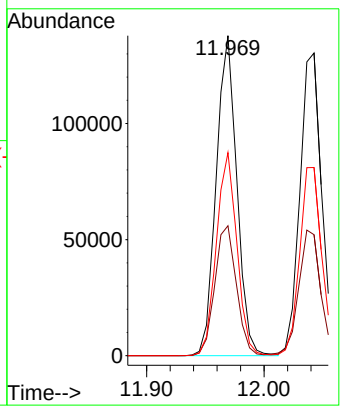


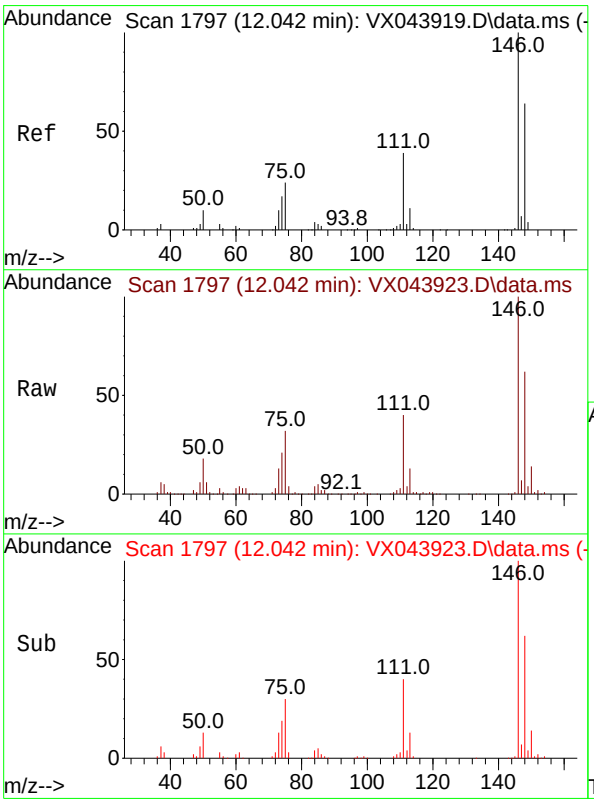
#87
1,3-Dichlorobenzene
Concen: 50.841 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

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

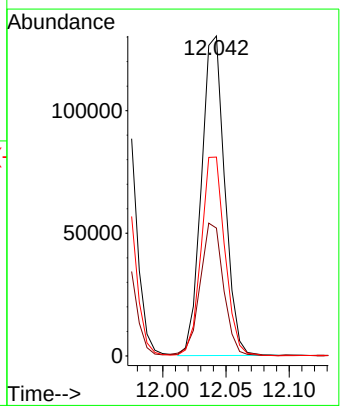


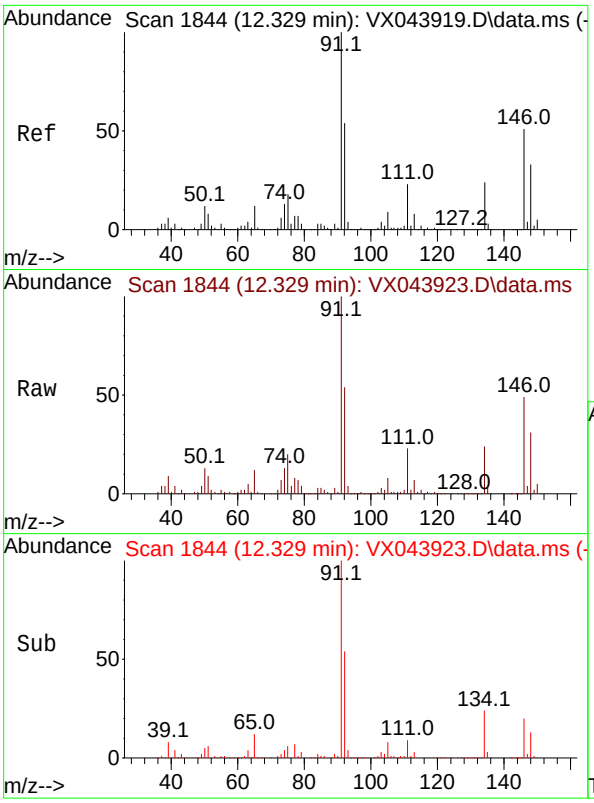


#88
1,4-Dichlorobenzene
Concen: 49.126 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

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



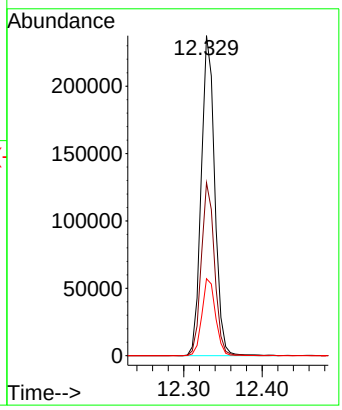


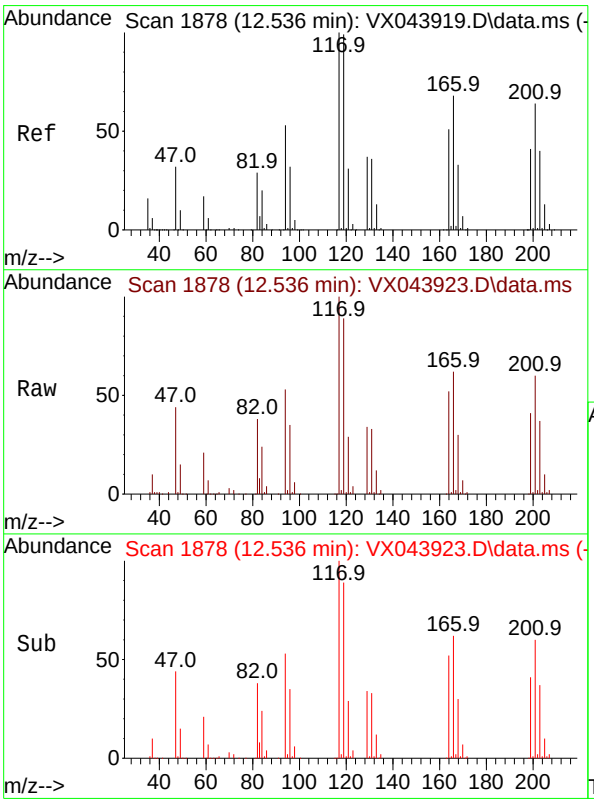
#89
n-Butylbenzene
Concen: 53.527 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

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

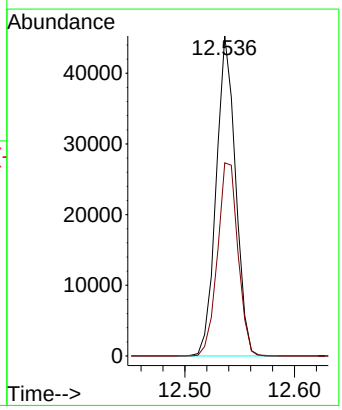


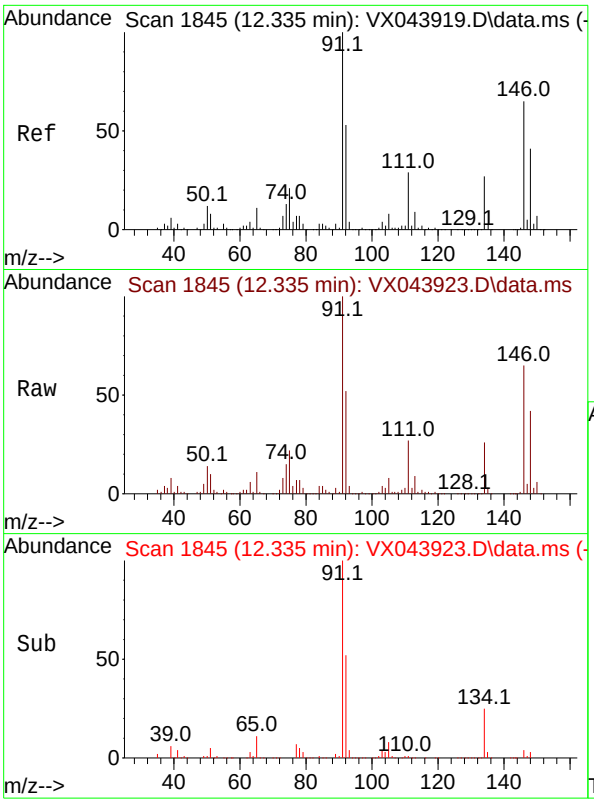


#90
Hexachloroethane
Concen: 46.087 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Tgt Ion:117 Resp: 55605

Ion	Ratio	Lower	Upper
117	100		
201	63.8	34.1	102.3



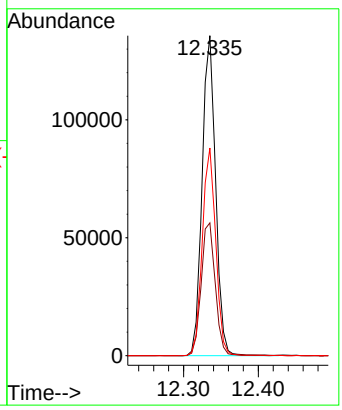


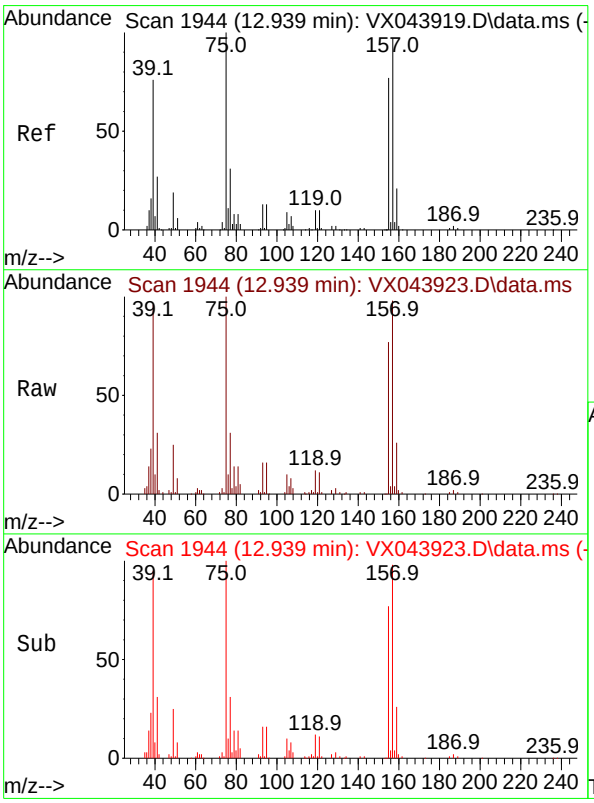
#91
1,2-Dichlorobenzene
Concen: 48.926 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion:146 Resp: 169920

Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.7	65.1
148	65.0	31.6	94.7

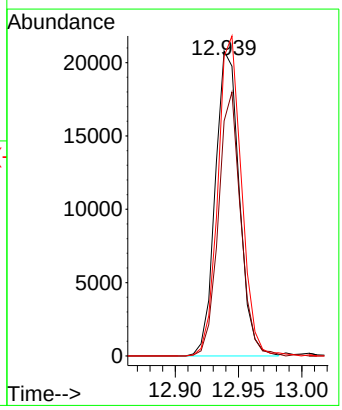


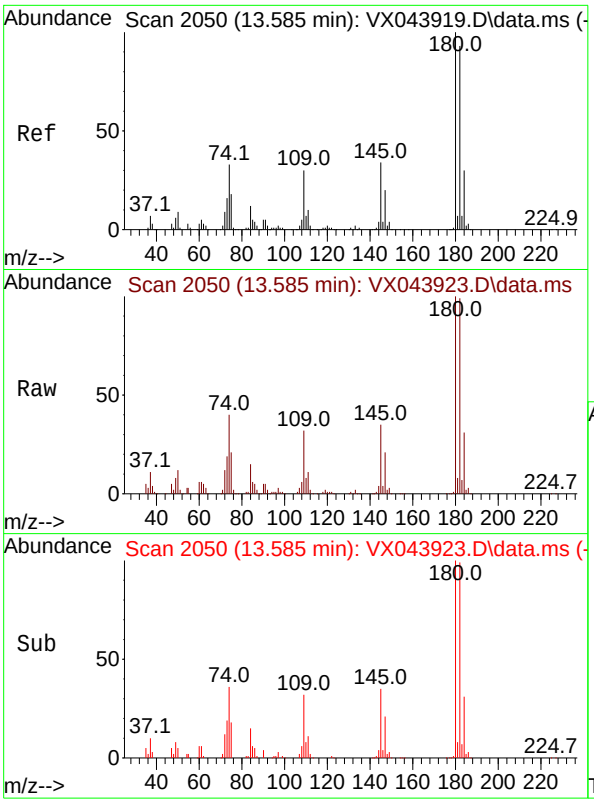


#92
1,2-Dibromo-3-Chloropropane
Concen: 45.200 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

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



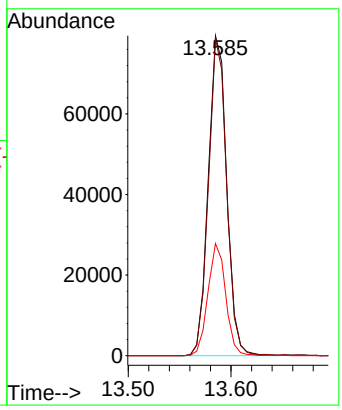


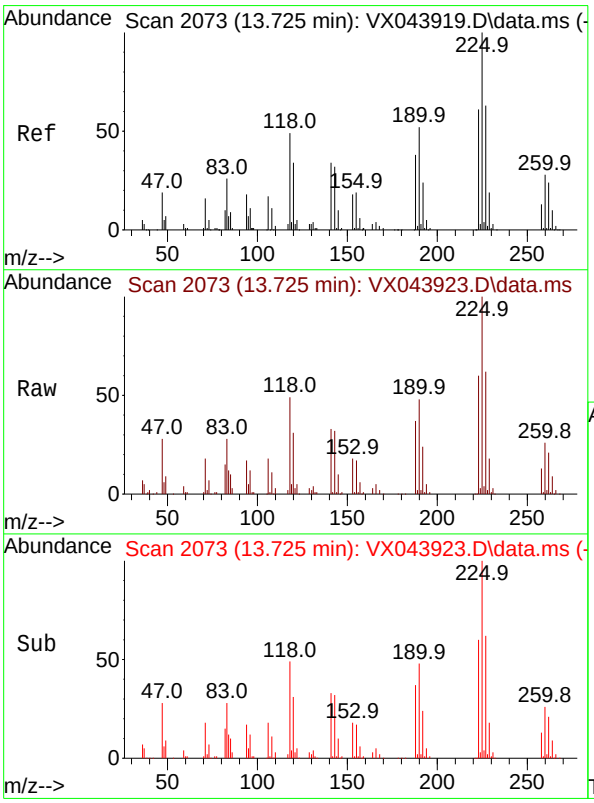
#93
1,2,4-Trichlorobenzene
Concen: 48.719 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

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

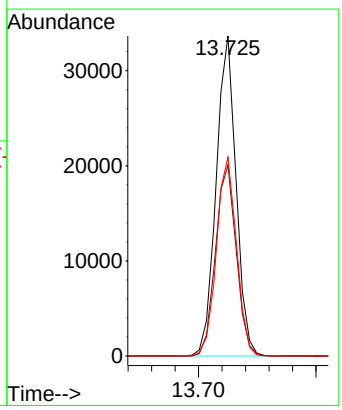


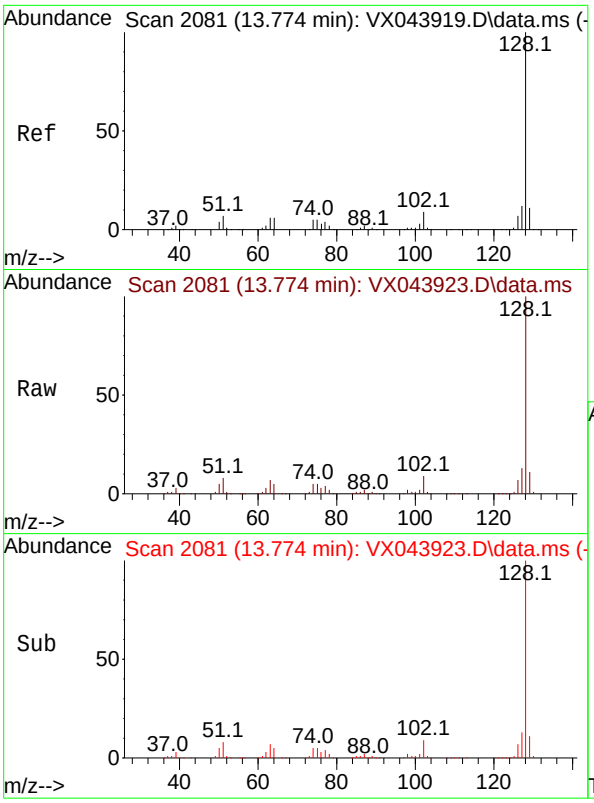


#94
Hexachlorobutadiene
Concen: 47.658 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

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



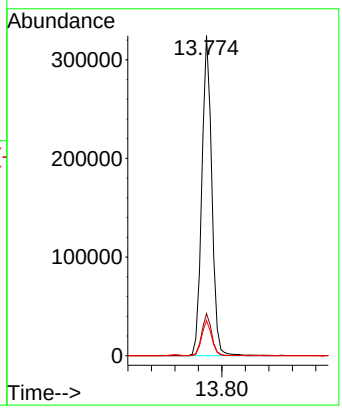


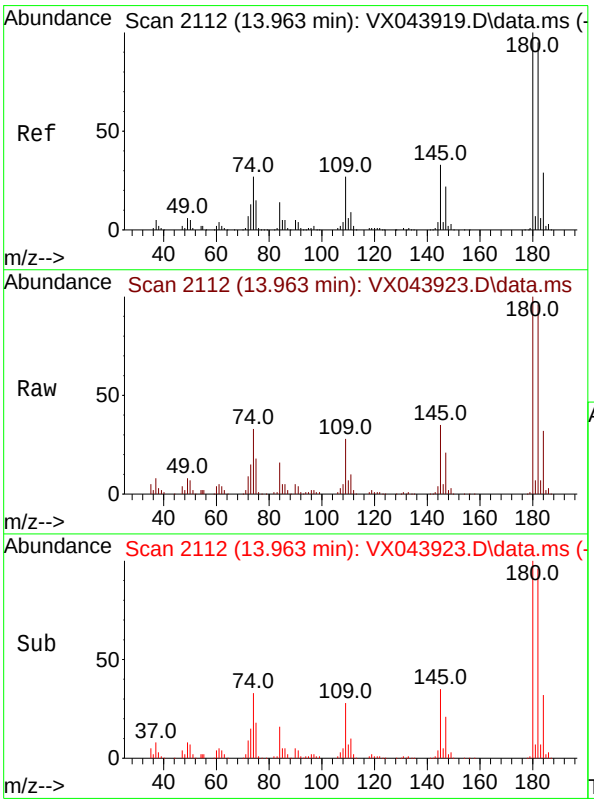
#95
Naphthalene
Concen: 50.468 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

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

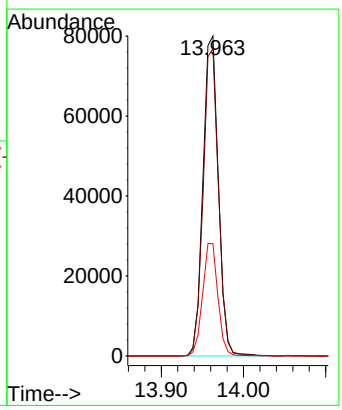




#96
1,2,3-Trichlorobenzene
Concen: 49.248 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX043923.D
Acq: 20 Nov 2024 19:16

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



Quantitation Report (Not Reviewed)

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

Quant Time: Nov 22 03:27:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

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		0.01
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		88
3) Chloromethane	1.295	50	1723	0.868	ug/l		90
4) Vinyl Chloride	1.374	62	2010	0.951	ug/l	#	81
5) Bromomethane	1.593	94	1826	1.405	ug/l	#	72
6) Chloroethane	1.666	64	1724	1.339	ug/l	#	82
7) Trichlorofluoromethane	1.874	101	3093	0.819	ug/l		92
8) Diethyl Ether	2.136	74	1421	1.032	ug/l		75
9) 1,1,2-Trichlorotrifluo...	2.313	101	1764	0.979	ug/l		94
10) Methyl Iodide	2.441	142	1911	0.849	ug/l	#	97
11) Tert butyl alcohol	2.941	59	3949	9.628	ug/l	#	73
12) 1,1-Dichloroethene	2.300	96	1775	1.034	ug/l	#	62
13) Acrolein	2.233	56	2045	4.730	ug/l		90
14) Allyl chloride	2.654	41	2371	0.845	ug/l		87
15) Acrylonitrile	3.063	53	4483	4.485	ug/l		95
16) Acetone	2.386	43	5977	5.093	ug/l	#	86
17) Carbon Disulfide	2.502	76	3223	0.910	ug/l		99
18) Methyl Acetate	2.703	43	2775	1.015	ug/l		97
19) Methyl tert-butyl Ether	3.105	73	5162	0.828	ug/l		94
20) Methylene Chloride	2.782	84	2099	1.054	ug/l	#	73
21) trans-1,2-Dichloroethene	3.081	96	1624	0.916	ug/l		97
22) Diisopropyl ether	3.751	45	4882	0.814	ug/l	#	30
23) Vinyl Acetate	3.727	43	18541	3.613	ug/l		98
24) 1,1-Dichloroethane	3.593	63	2919	0.844	ug/l	#	94
25) 2-Butanone	4.581	43	6676	4.408	ug/l		92
26) 2,2-Dichloropropane	4.459	77	2687	0.860	ug/l		86
27) cis-1,2-Dichloroethene	4.495	96	2007	0.916	ug/l		89
28) Bromochloromethane	4.885	49	842	0.553	ug/l	#	48
29) Tetrahydrofuran	5.013	42	4264	4.593	ug/l		95
30) Chloroform	5.093	83	3187	0.856	ug/l	#	76
31) Cyclohexane	5.446	56	2563	0.900	ug/l	#	71
32) 1,1,1-Trichloroethane	5.373	97	2600	0.810	ug/l	#	46
36) 1,1-Dichloropropene	5.690	75	1993	0.859	ug/l	#	80
37) Ethyl Acetate	4.733	43	1632	0.567	ug/l	#	78
38) Carbon Tetrachloride	5.660	117	2287	0.877	ug/l	#	78
39) Methylcyclohexane	7.379	83	2835	0.941	ug/l		90
40) Benzene	6.032	78	6312	0.873	ug/l	#	84

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

Quant Time: Nov 22 03:27:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.934	41	724	0.491 ug/l #	80
42) 1,2-Dichloroethane	6.086	62	2602	0.896 ug/l	84
43) Isopropyl Acetate	6.355	43	3881	0.847 ug/l #	90
44) Trichloroethene	7.123	130	2850	1.393 ug/l	82
45) 1,2-Dichloropropane	7.428	63	1503	0.849 ug/l	100
46) Dibromomethane	7.580	93	1246	0.890 ug/l	94
47) Bromodichloromethane	7.824	83	1819	0.724 ug/l #	93
48) Methyl methacrylate	7.702	41	1511	0.687 ug/l	90
49) 1,4-Dioxane	7.671	88	613	16.166 ug/l #	50
51) 4-Methyl-2-Pentanone	8.574	43	11392	4.073 ug/l	96
52) Toluene	8.714	92	3313	0.766 ug/l	82
53) t-1,3-Dichloropropene	8.988	75	1776	0.694 ug/l #	86
54) cis-1,3-Dichloropropene	8.366	75	2132	0.759 ug/l #	84
55) 1,1,2-Trichloroethane	9.153	97	1496	0.838 ug/l #	85
56) Ethyl methacrylate	9.122	69	1973	0.709 ug/l #	82
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	93
59) 2-Hexanone	9.439	43	7726	3.675 ug/l	99
60) Dibromochloromethane	9.519	129	1296	0.723 ug/l	93
61) 1,2-Dibromoethane	9.610	107	1342	0.743 ug/l #	80
64) Tetrachloroethene	9.269	164	1329	0.924 ug/l	88
65) Chlorobenzene	10.073	112	4585	0.957 ug/l #	86
66) 1,1,1,2-Tetrachloroethane	10.165	131	1136	0.731 ug/l #	66
67) Ethyl Benzene	10.195	91	6890	0.848 ug/l #	86
68) m/p-Xylenes	10.305	106	5324	1.758 ug/l	95
69) o-Xylene	10.640	106	2370	0.801 ug/l	95
70) Styrene	10.665	104	3751	0.767 ug/l	97
71) Bromoform	10.799	173	632	1.756 ug/l #	87
73) Isopropylbenzene	10.964	105	6379	0.894 ug/l	94
74) N-amyl acetate	10.848	43	2319	0.701 ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.214	83	2224	0.910 ug/l	83
76) 1,2,3-Trichloropropane	11.244	75	2077	1.037 ug/l	98
77) Bromobenzene	11.201	156	1475	0.866 ug/l	94
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	96
81) trans-1,4-Dichloro-2-b...	11.025	75	442	0.592 ug/l #	81
82) 4-Chlorotoluene	11.457	91	4940	0.868 ug/l	94
83) tert-Butylbenzene	11.713	119	4794	0.824 ug/l	96
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	94
86) p-Isopropyltoluene	12.012	119	4187	0.723 ug/l	87
87) 1,3-Dichlorobenzene	11.969	146	2934	0.946 ug/l	93
88) 1,4-Dichlorobenzene	11.969	146	2934	0.932 ug/l	95
89) n-Butylbenzene	12.335	91	3522	0.690 ug/l	93
90) Hexachloroethane	12.536	117	835	0.848 ug/l	86
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	65
93) 1,2,4-Trichlorobenzene	13.597	180	1576	0.854 ug/l	78
94) Hexachlorobutadiene	13.725	225	709	0.972 ug/l	89
95) Naphthalene	13.780	128	4837	0.728 ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	1398	0.749 ug/l	81

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

Quant Time: Nov 22 03:27:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

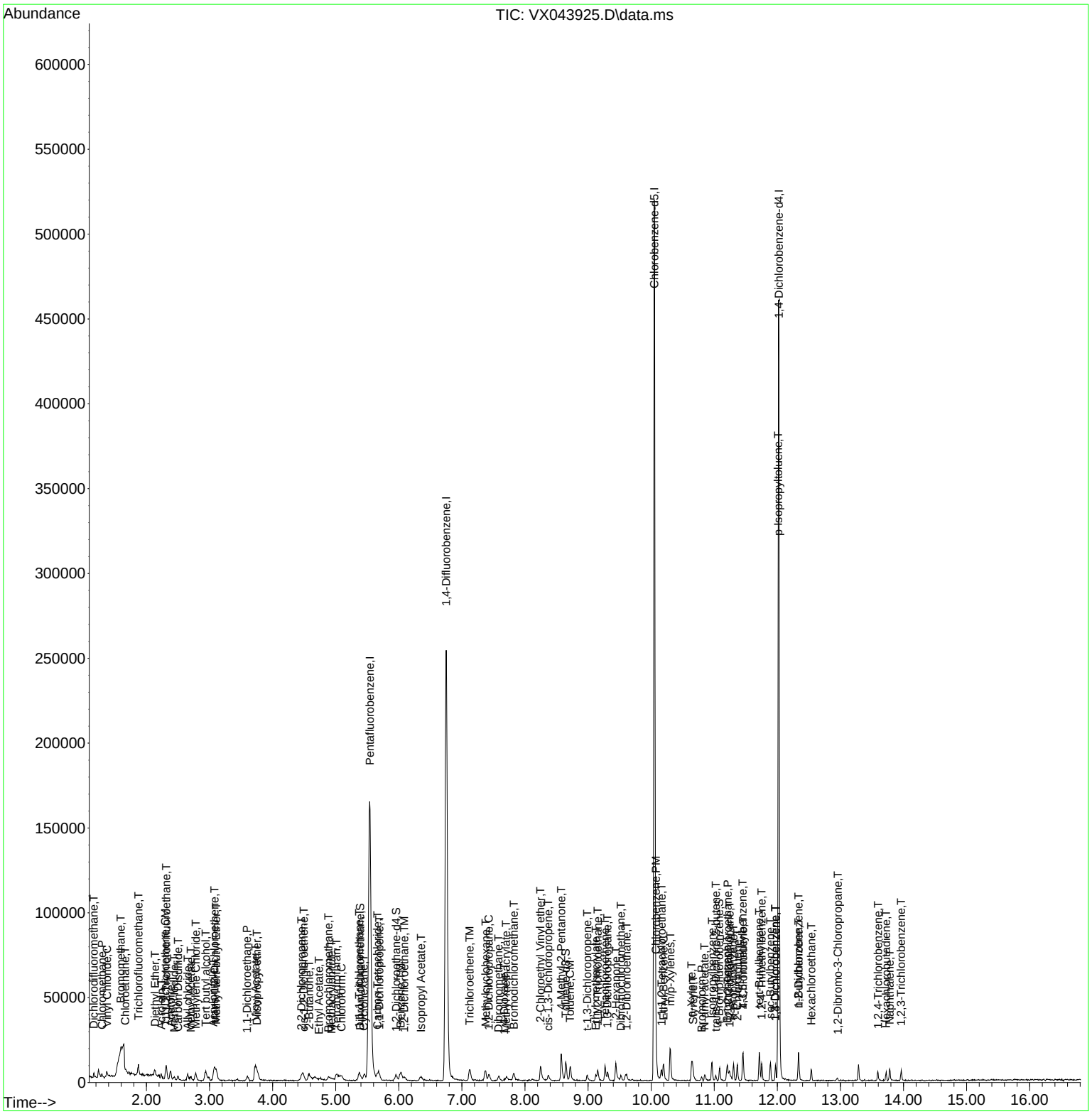
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

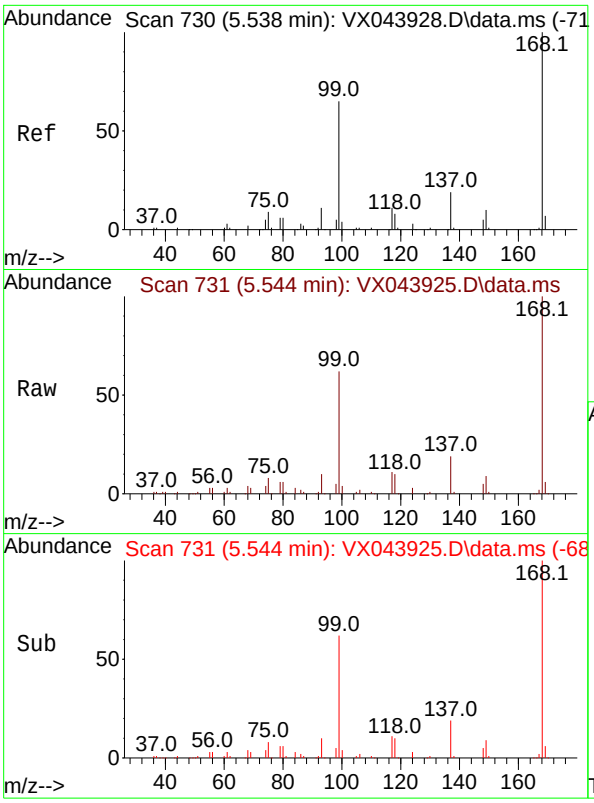
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\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

Quant Time: Nov 22 03:27:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration



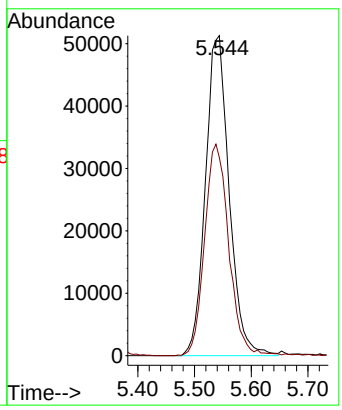


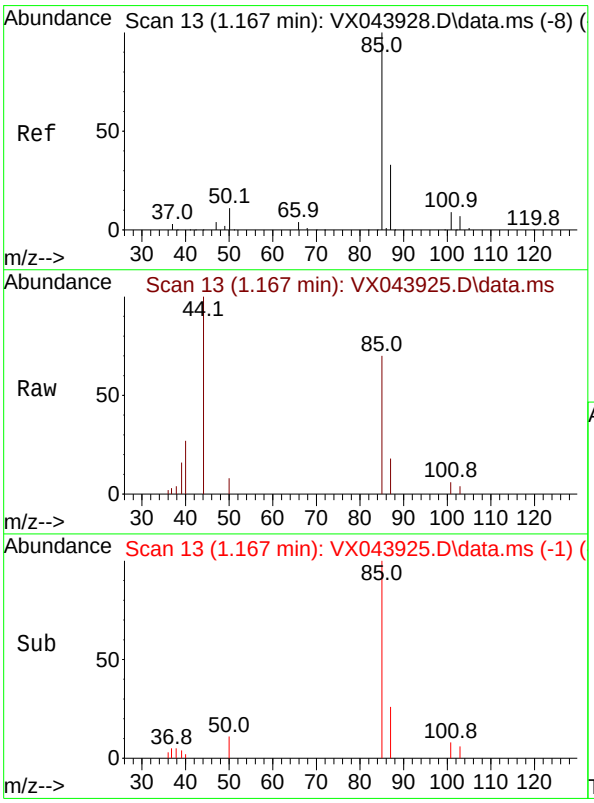
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:168 Resp: 148984

Ion	Ratio	Lower	Upper
168	100		
99	61.8	51.8	77.8

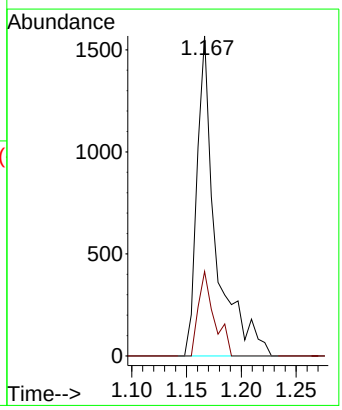


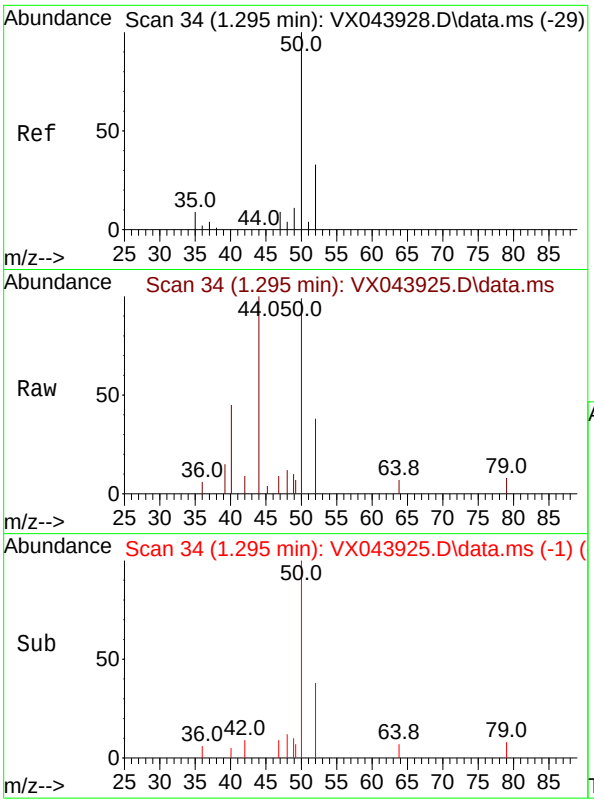


#2
Dichlorodifluoromethane
Concen: 1.001 ug/l
RT: 1.167 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 85 Resp: 1889

Ion	Ratio	Lower	Upper
85	100		
87	26.4	16.6	49.8



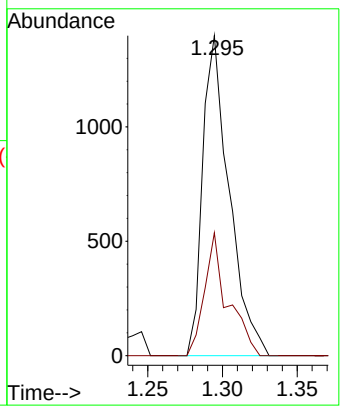


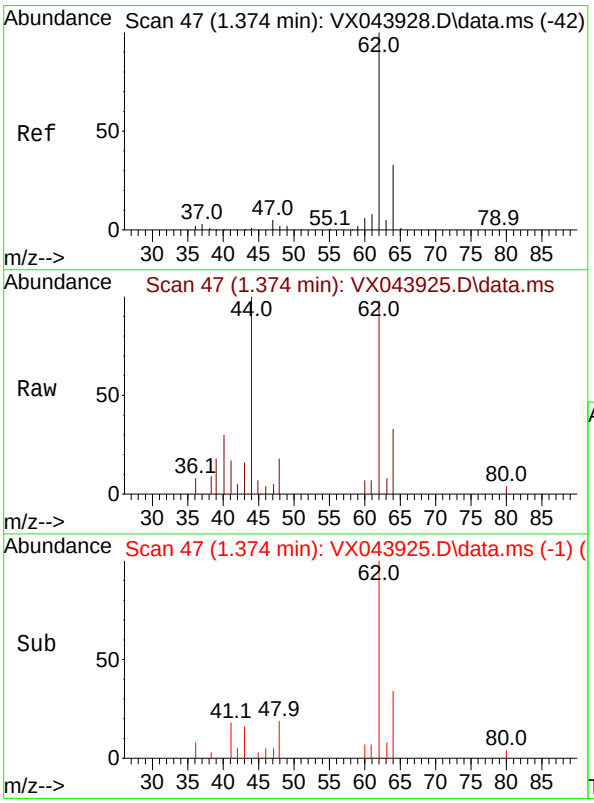
#3
Chloromethane
Concen: 0.868 ug/l
RT: 1.295 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 50 Resp: 1723

Ion	Ratio	Lower	Upper
50	100		
52	38.4	26.1	39.1

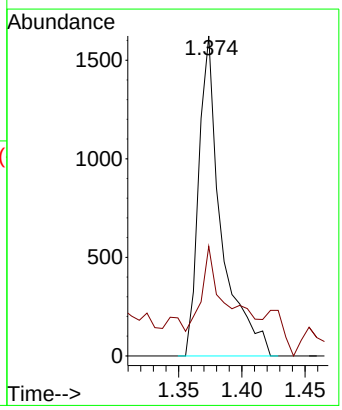


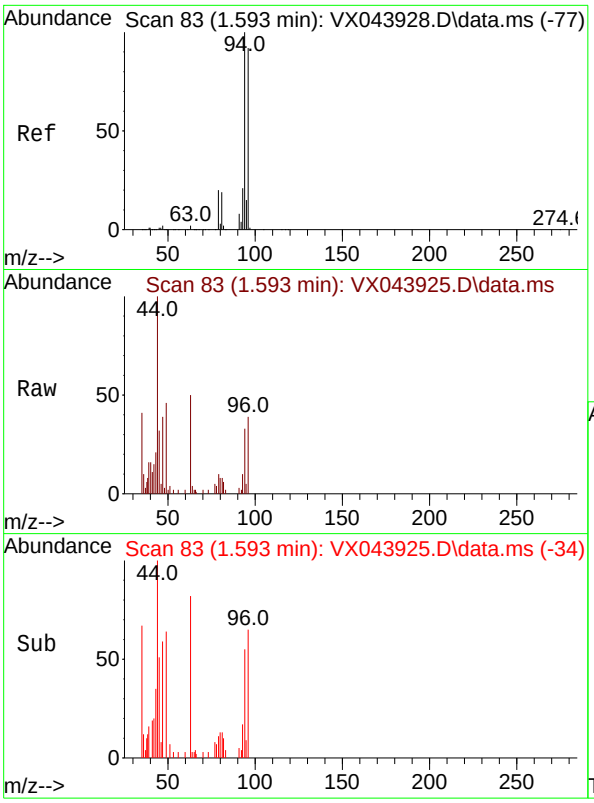


#4
Vinyl Chloride
Concen: 0.951 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 62 Resp: 2010

Ion	Ratio	Lower	Upper
62	100		
64	22.4	26.2	39.4#



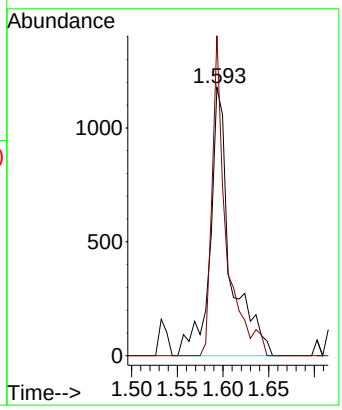


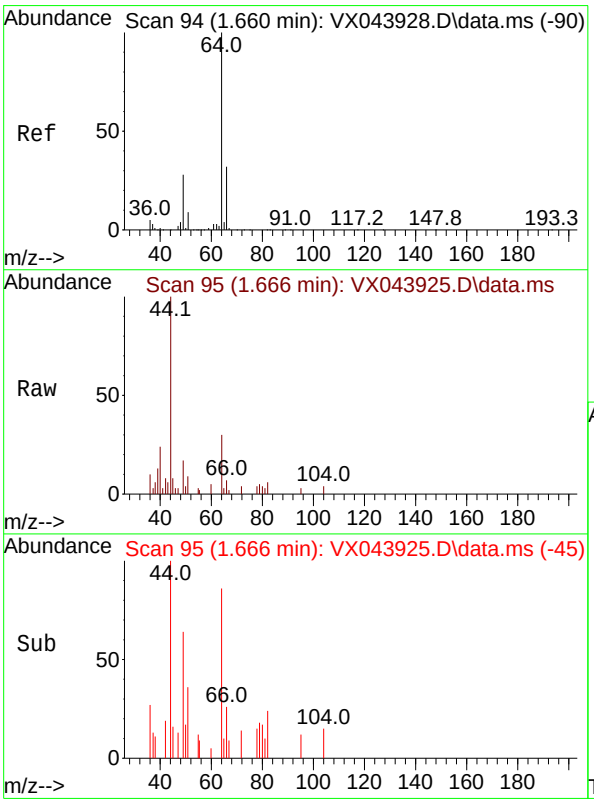
#5
Bromomethane
Concen: 1.405 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 94 Resp: 1826

Ion	Ratio	Lower	Upper
94	100		
96	119.3	73.9	110.9#

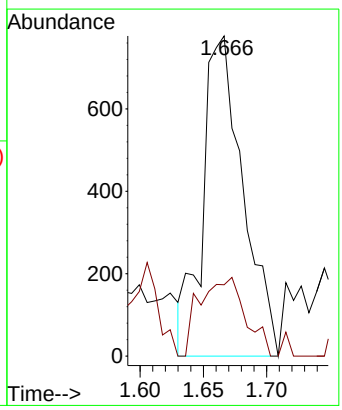


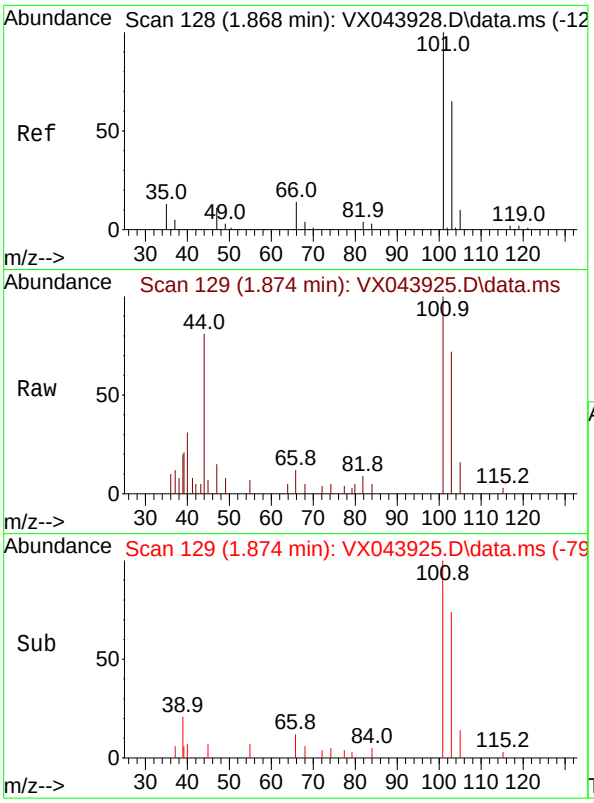


#6
Chloroethane
Concen: 1.339 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 64 Resp: 1724

Ion	Ratio	Lower	Upper
64	100		
66	22.3	25.9	38.9#



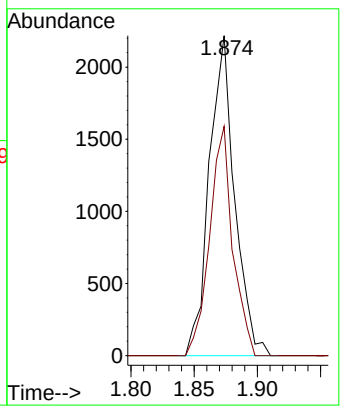


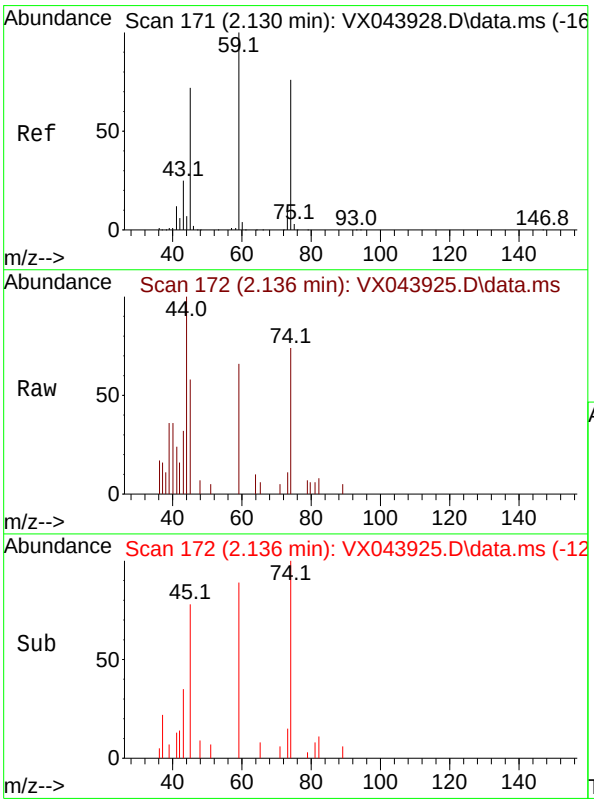
#7
Trichlorofluoromethane
Concen: 0.819 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 3093

Ion	Ratio	Lower	Upper
101	100		
103	71.6	52.2	78.2

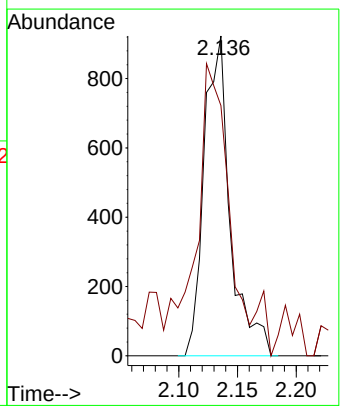


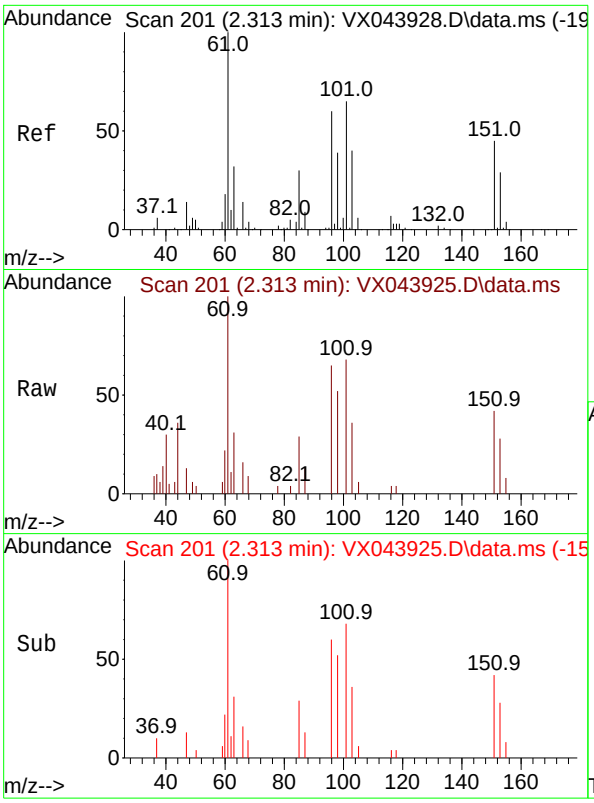


#8
Diethyl Ether
Concen: 1.032 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 74 Resp: 1421

Ion	Ratio	Lower	Upper
74	100		
45	120.1	47.9	143.6



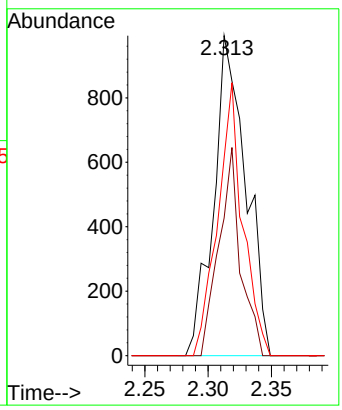


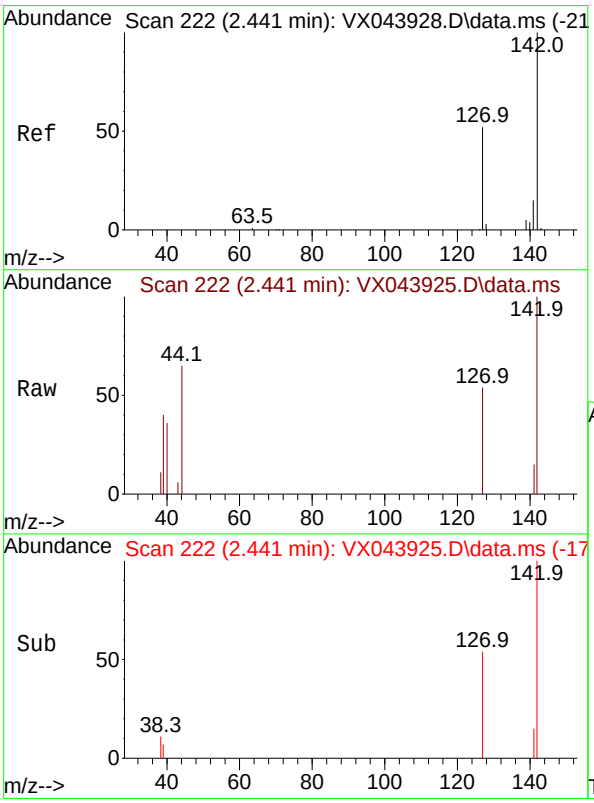
#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.979 ug/l
RT: 2.313 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 1764

Ion	Ratio	Lower	Upper
101	100		
85	43.5	37.9	56.9
151	66.1	57.5	86.3

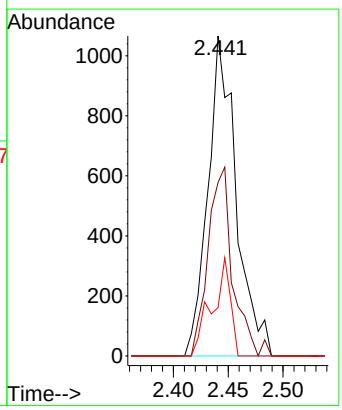


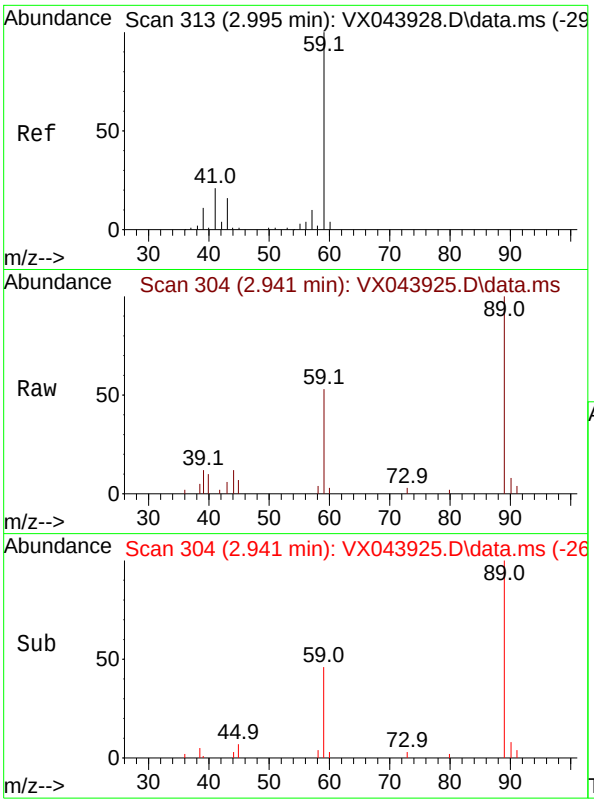


#10
Methyl Iodide
Concen: 0.849 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:142 Resp: 1911

Ion	Ratio	Lower	Upper
142	100		
127	51.4	40.7	61.1
141	19.9	12.0	18.0#



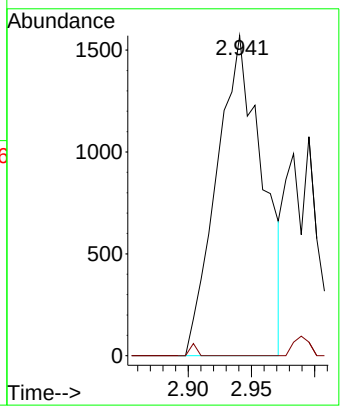


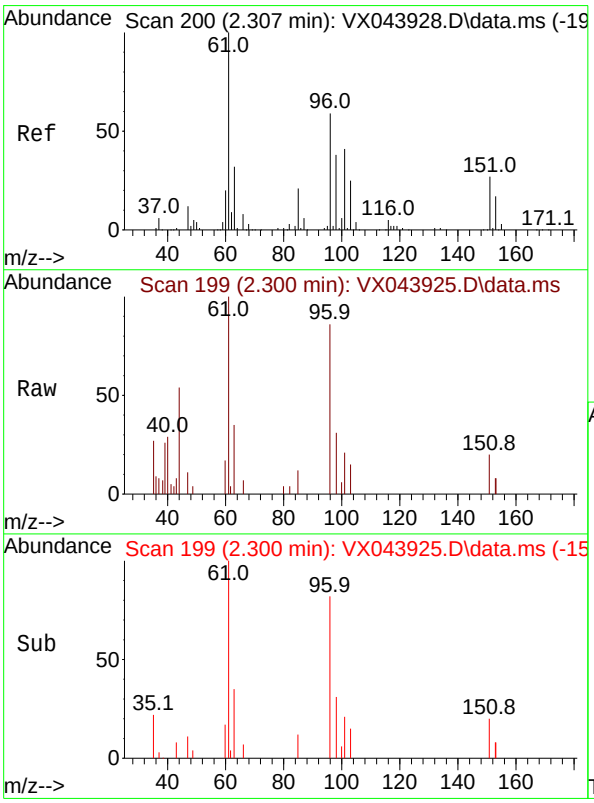
#11
Tert butyl alcohol
Concen: 9.628 ug/l
RT: 2.941 min Scan# 3
Delta R.T. -0.055 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 3949

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.9	11.9#

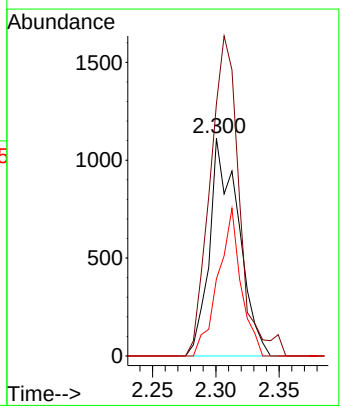


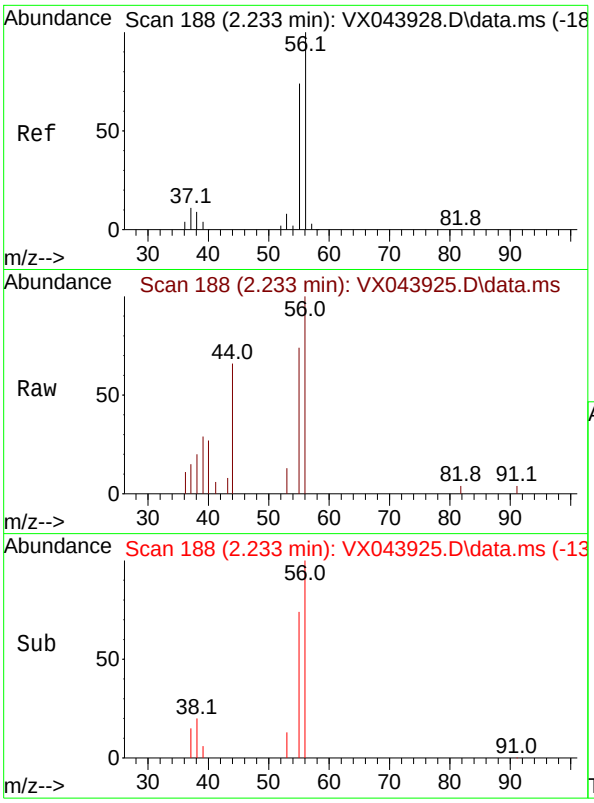


#12
1,1-Dichloroethene
Concen: 1.034 ug/l
RT: 2.300 min Scan# 199
Delta R.T. -0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 96 Resp: 1775

Ion	Ratio	Lower	Upper
96	100		
61	115.9	135.5	203.3#
98	35.4	50.8	76.2#



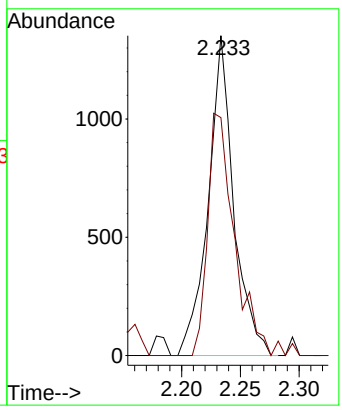


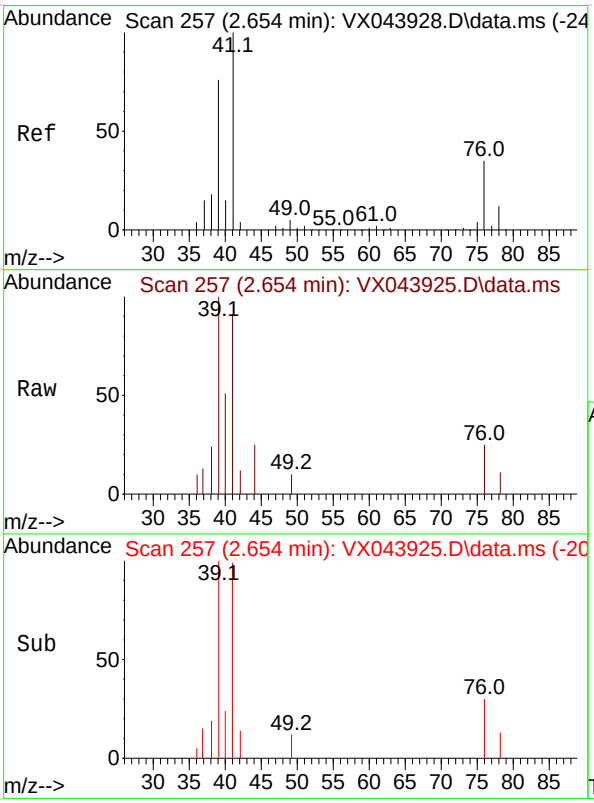
#13
Acrolein
Concen: 4.730 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 2045

Ion	Ratio	Lower	Upper
56	100		
55	81.0	58.2	87.2

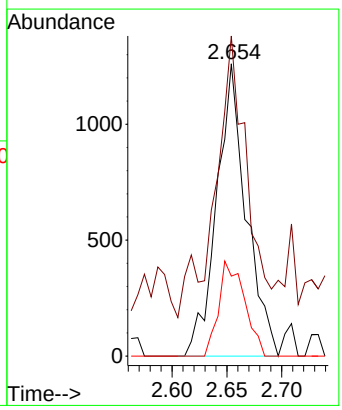


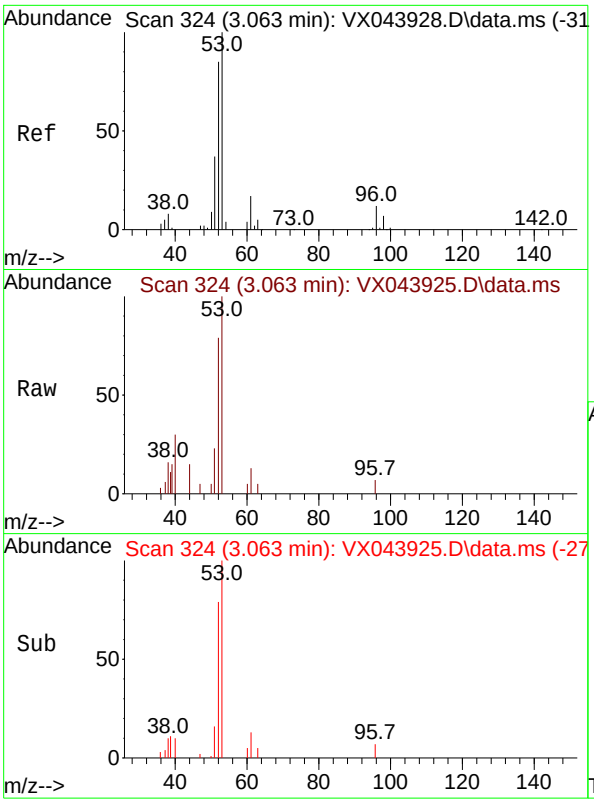


#14
Allyl chloride
Concen: 0.845 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 41 Resp: 2371

Ion	Ratio	Lower	Upper
41	100		
39	85.9	59.5	89.3
76	28.3	27.4	41.2



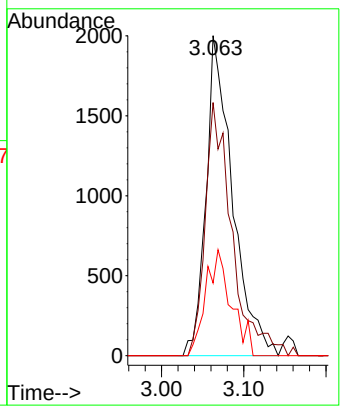


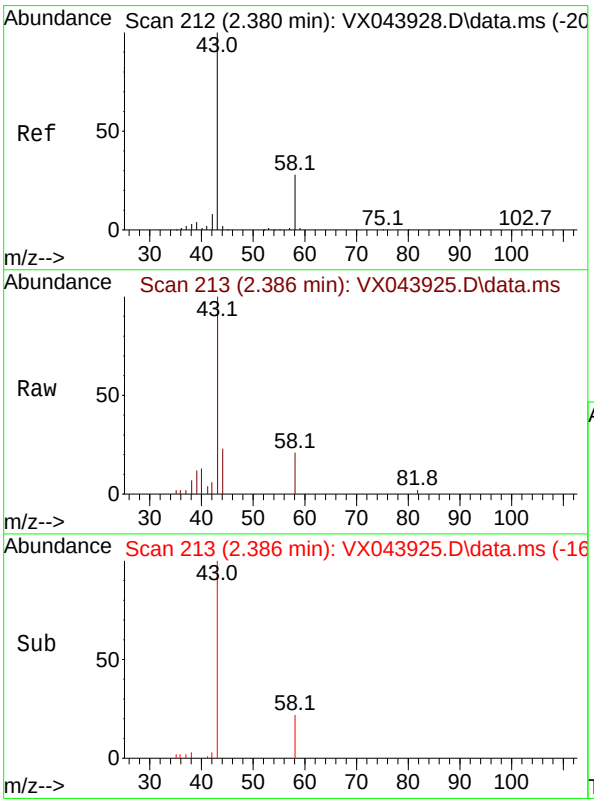
#15
Acrylonitrile
Concen: 4.485 ug/l
RT: 3.063 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 53 Resp: 4483

Ion	Ratio	Lower	Upper
53	100		
52	80.0	66.5	99.7
51	31.9	30.2	45.4

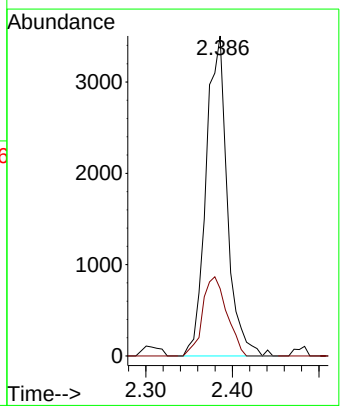


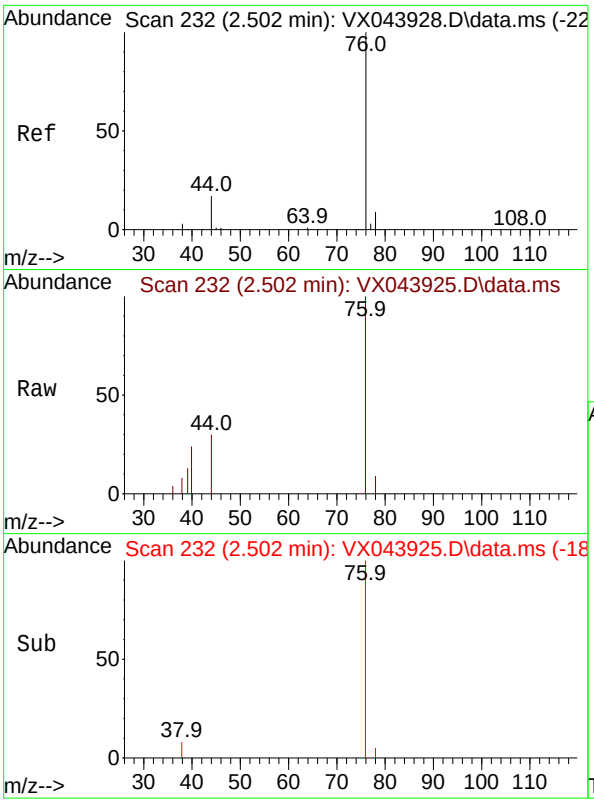


#16
Acetone
Concen: 5.093 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 43 Resp: 5977

Ion	Ratio	Lower	Upper
43	100		
58	21.1	22.7	34.1#



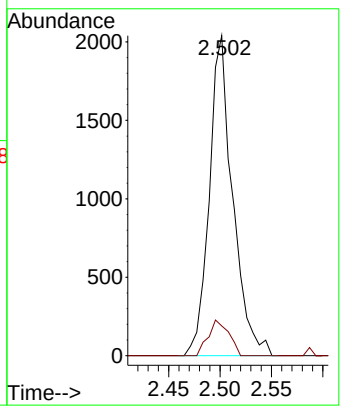


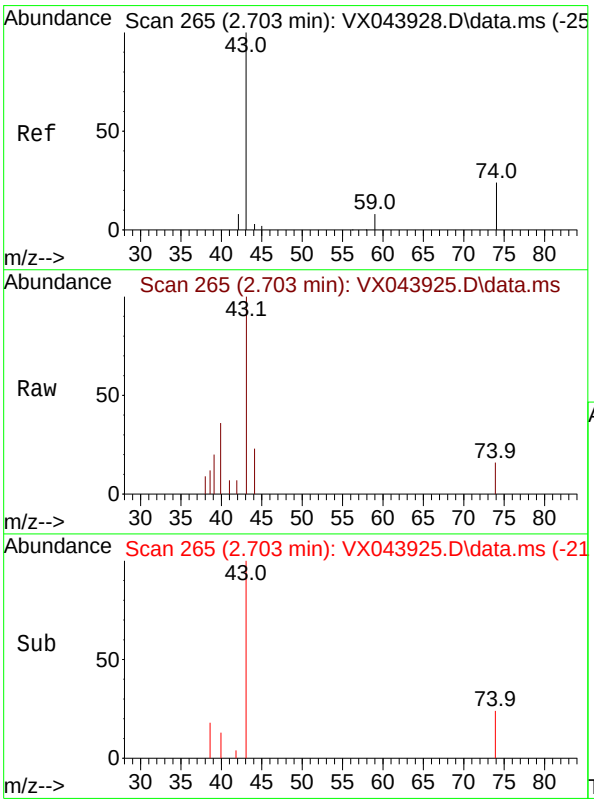
#17
Carbon Disulfide
Concen: 0.910 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 3223

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.0	10.6

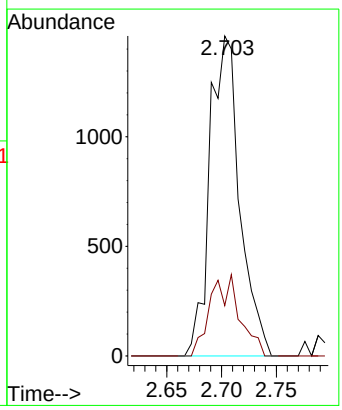


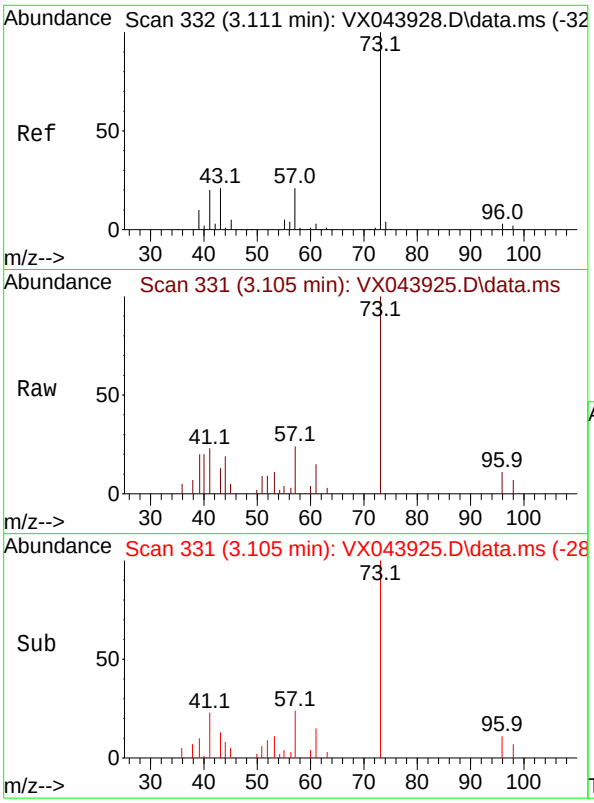


#18
Methyl Acetate
Concen: 1.015 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 43 Resp: 2775

Ion	Ratio	Lower	Upper
43	100		
74	24.9	18.9	28.3



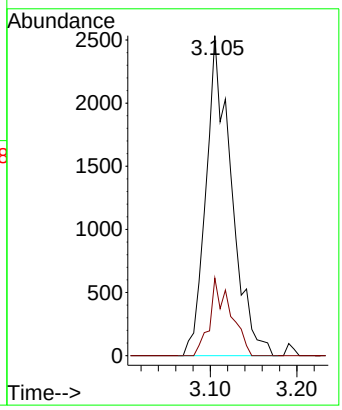


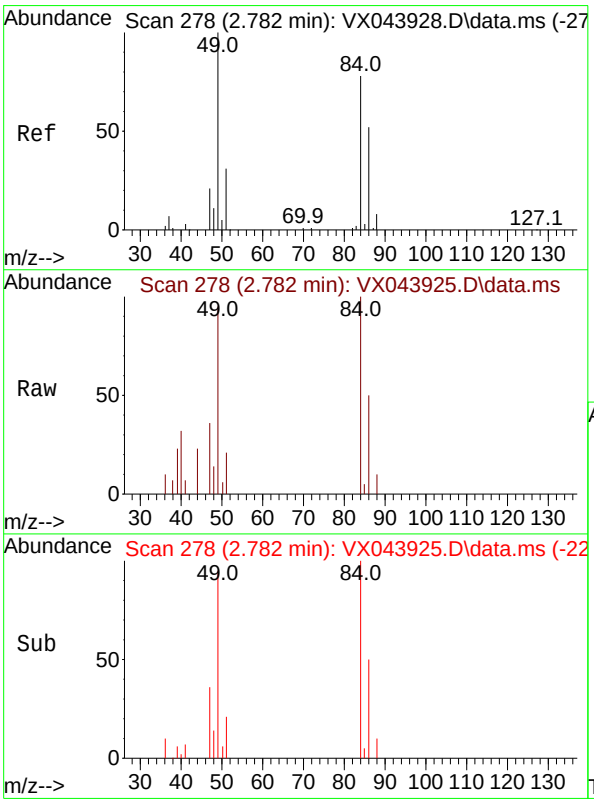
#19
Methyl tert-butyl Ether
Concen: 0.828 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 73 Resp: 5162

Ion	Ratio	Lower	Upper
73	100		
57	24.3	17.0	25.6

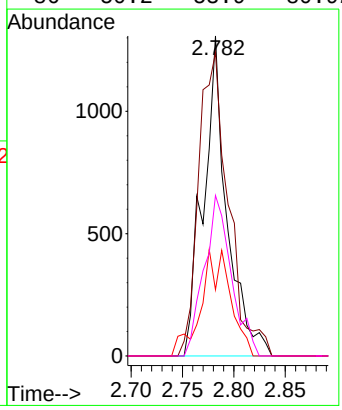


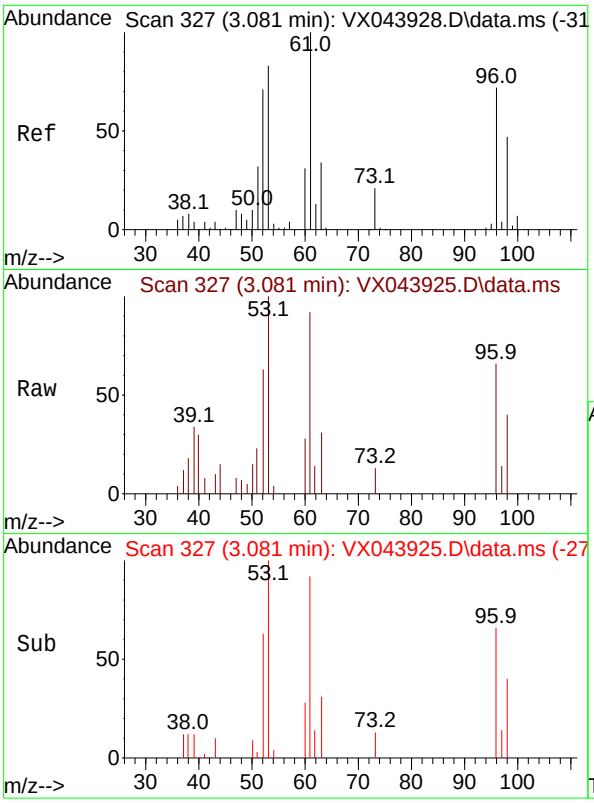


#20
Methylene Chloride
Concen: 1.054 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 84 Resp: 2099

Ion	Ratio	Lower	Upper
84	100		
49	94.8	102.7	154.1#
51	20.7	31.7	47.5#
86	50.2	53.9	80.9#



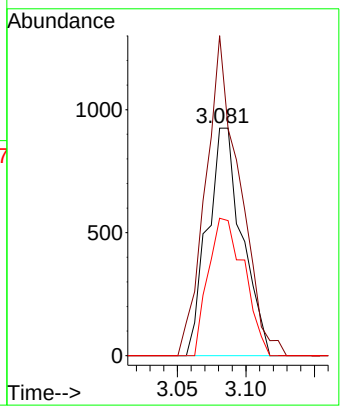


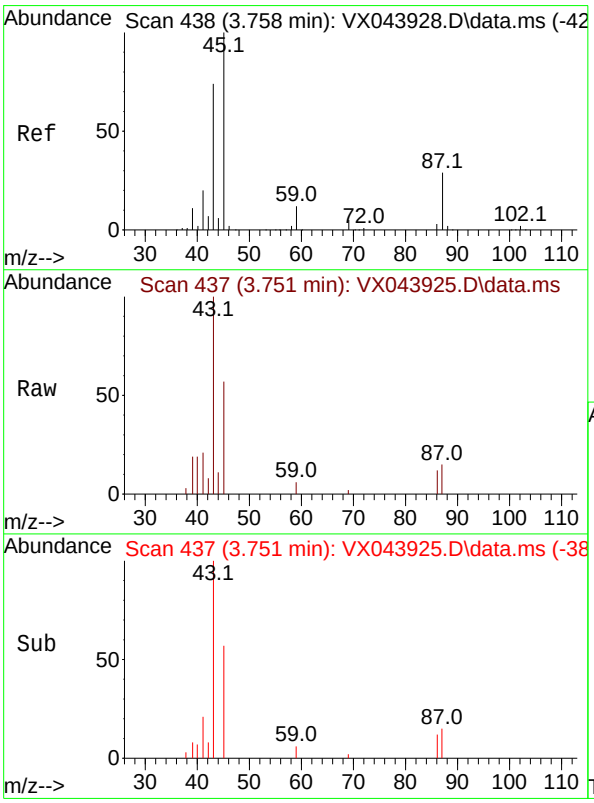
#21
trans-1,2-Dichloroethene
Concen: 0.916 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 1624

Ion	Ratio	Lower	Upper
96	100		
61	140.6	111.8	167.6
98	60.4	52.7	79.1

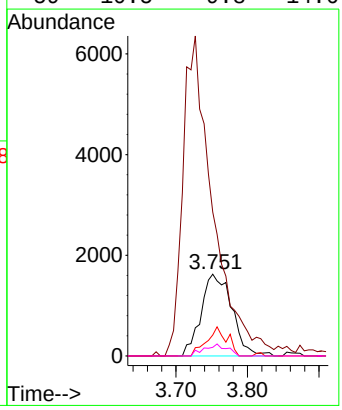


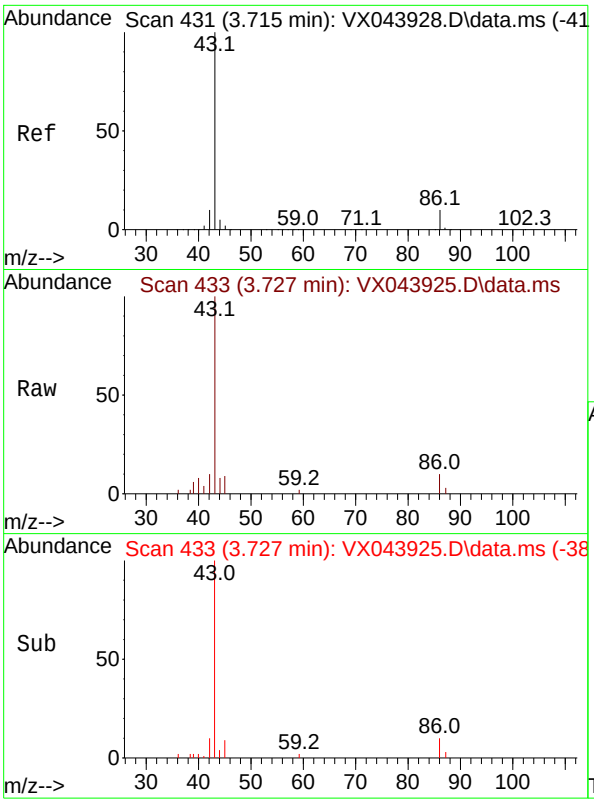


#22
Diisopropyl ether
Concen: 0.814 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 45 Resp: 4882

Ion	Ratio	Lower	Upper
45	100		
43	164.2	59.6	89.4#
87	25.6	22.9	34.3
59	10.5	9.8	14.6



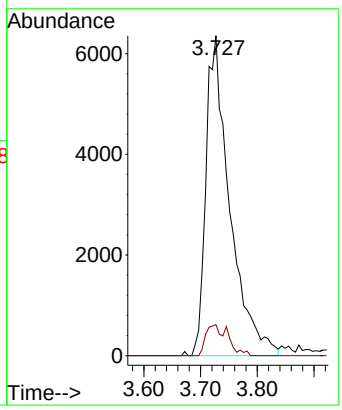


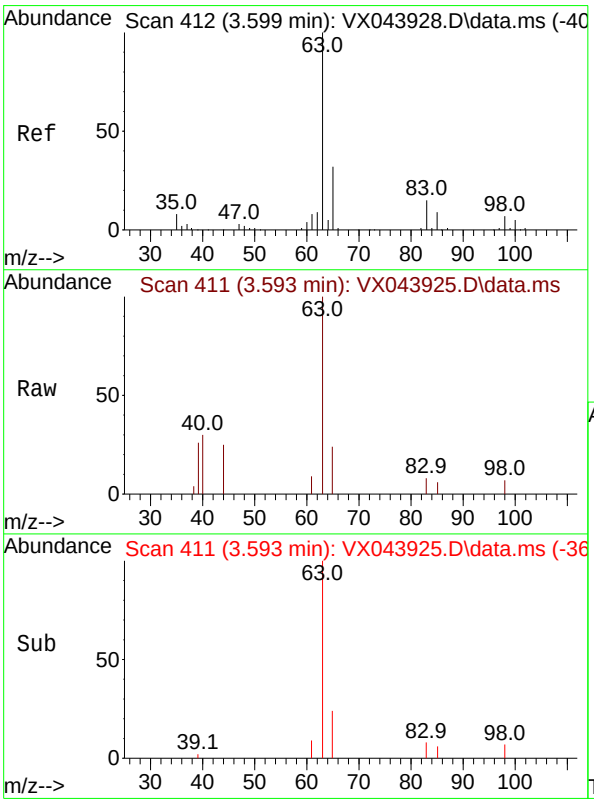
#23
Vinyl Acetate
Concen: 3.613 ug/l
RT: 3.727 min Scan# 4
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 18541

Ion	Ratio	Lower	Upper
43	100		
86	9.7	8.3	12.5

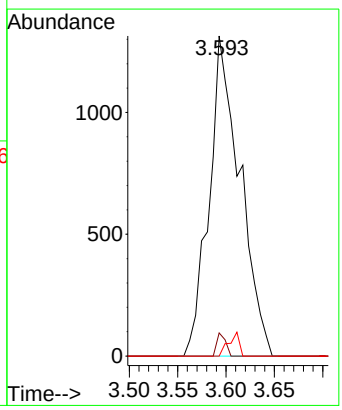


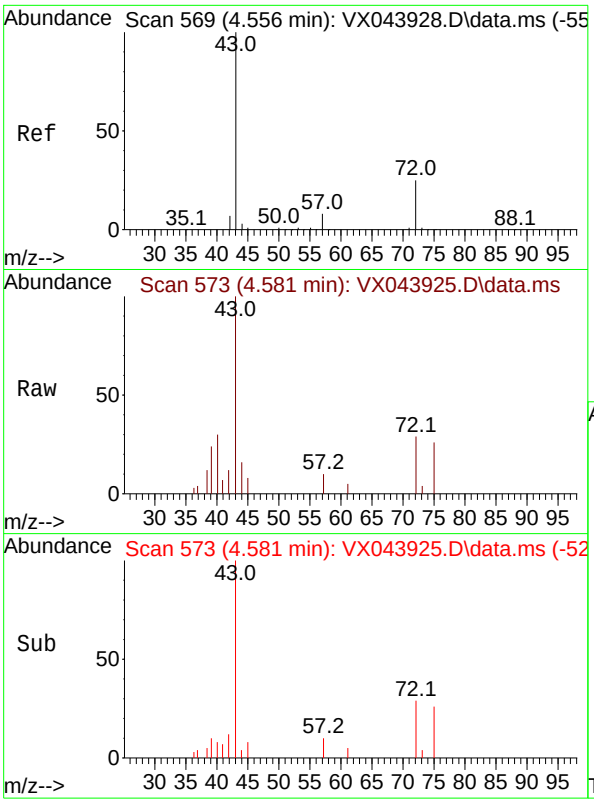


#24
1,1-Dichloroethane
Concen: 0.844 ug/l
RT: 3.593 min Scan# 411
Delta R.T. -0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 63 Resp: 2919

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.5	10.6
100	0.0	2.4	7.1#



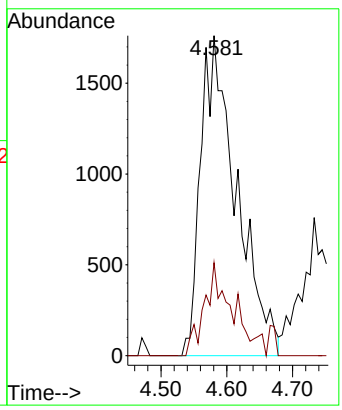


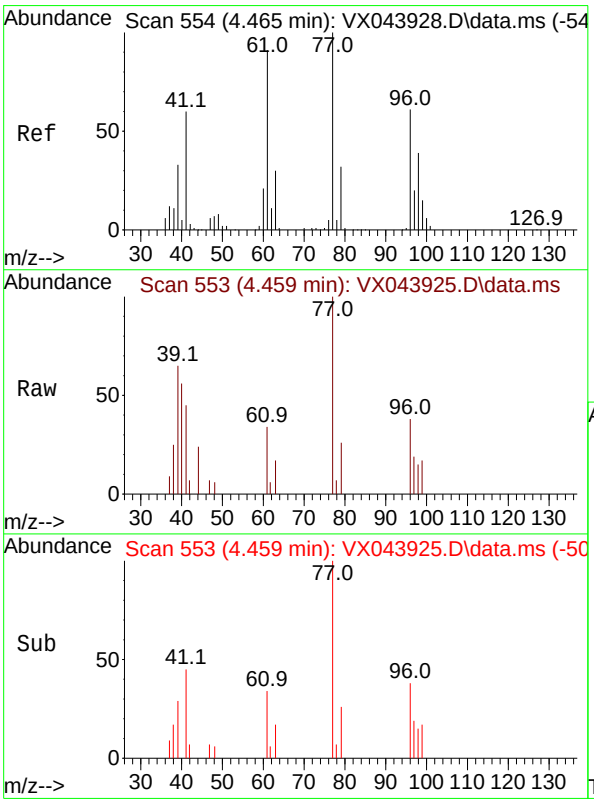
#25
2-Butanone
Concen: 4.408 ug/l
RT: 4.581 min Scan# 5
Delta R.T. 0.024 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 6676

Ion	Ratio	Lower	Upper
43	100		
72	29.1	20.2	30.2

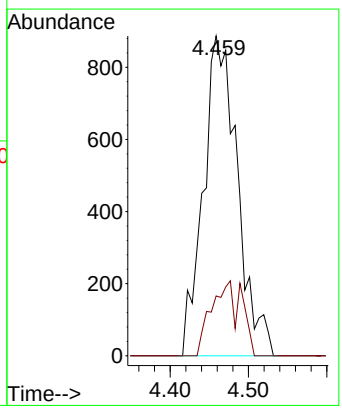


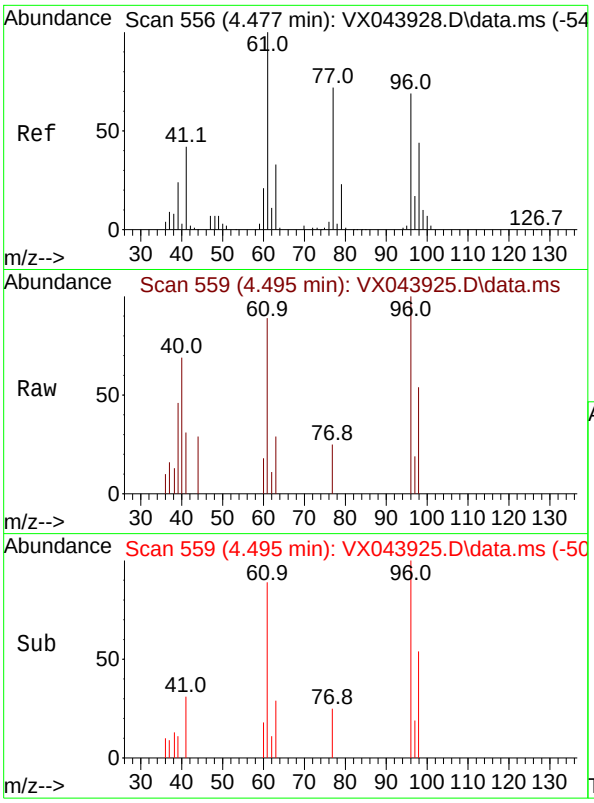


#26
2,2-Dichloropropane
Concen: 0.860 ug/l
RT: 4.459 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 77 Resp: 2687

Ion	Ratio	Lower	Upper
77	100		
97	15.1	10.8	32.3



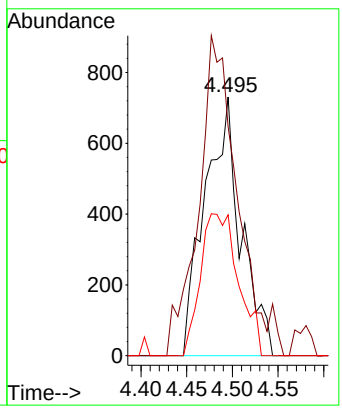


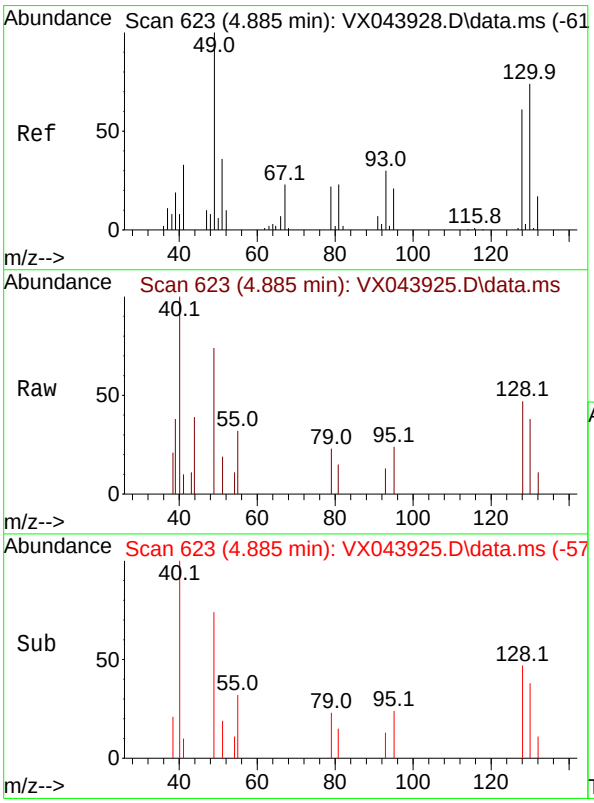
#27
cis-1,2-Dichloroethene
Concen: 0.916 ug/l
RT: 4.495 min Scan# 5
Delta R.T. 0.018 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 2007

Ion	Ratio	Lower	Upper
96	100		
61	133.7	0.0	297.4
98	57.8	0.0	127.8

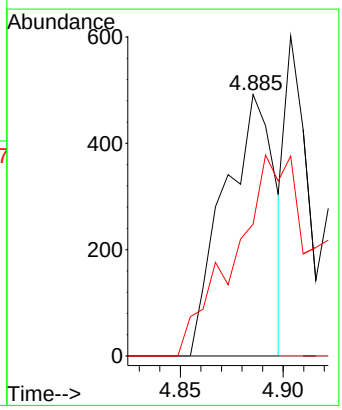


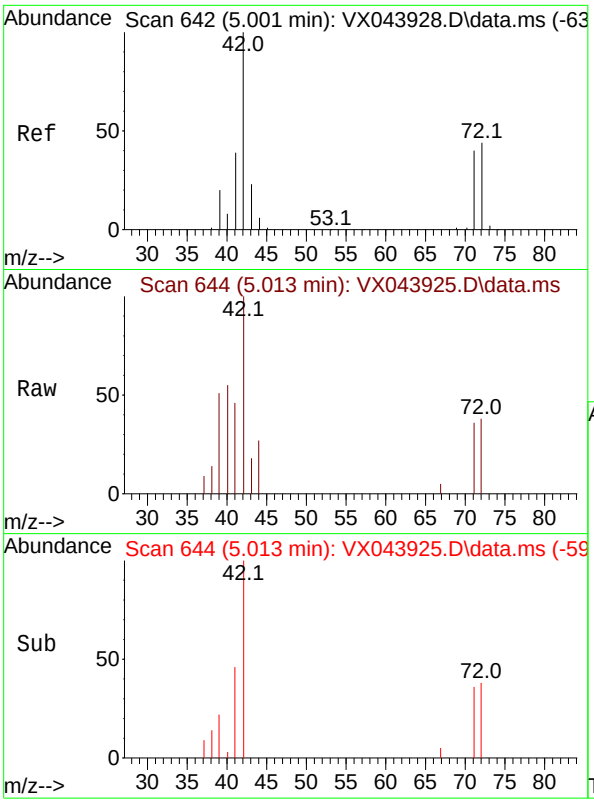


#28
Bromochloromethane
Concen: 0.553 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 49 Resp: 842

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	118.8	59.0	88.6#



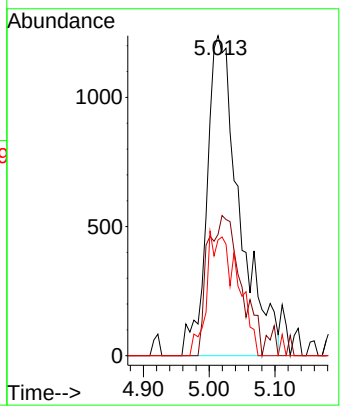


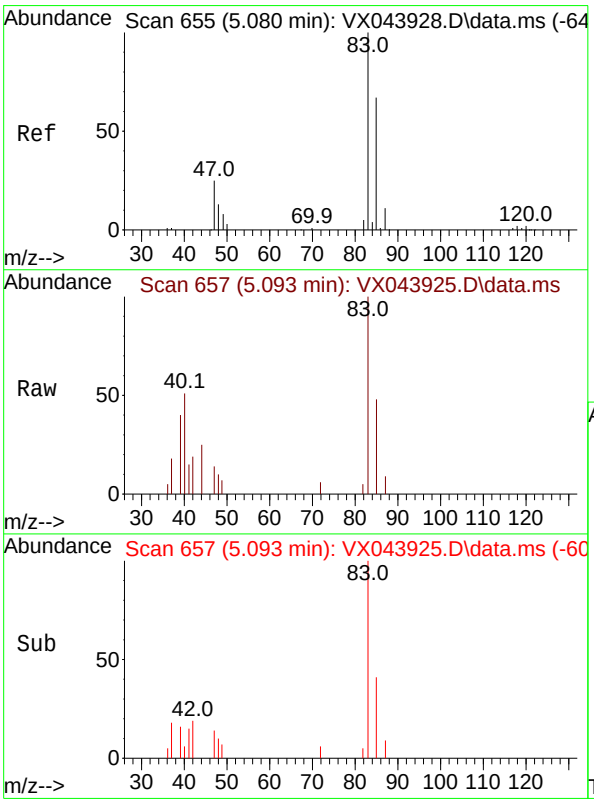
#29
Tetrahydrofuran
Concen: 4.593 ug/l
RT: 5.013 min Scan# 6
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 42 Resp: 4264

Ion	Ratio	Lower	Upper
42	100		
72	44.5	36.4	54.6
71	36.6	33.4	50.0

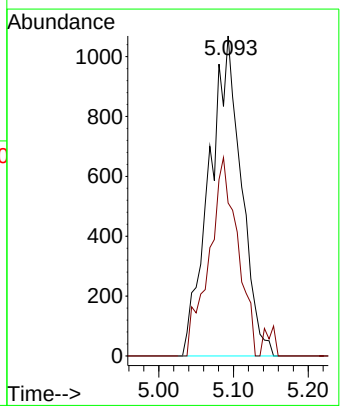


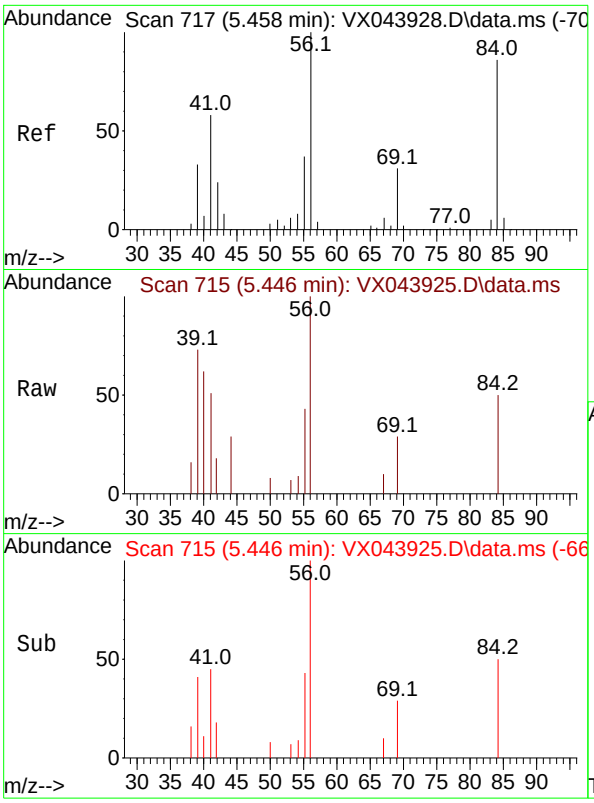


#30
Chloroform
Concen: 0.856 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 83 Resp: 3187

Ion	Ratio	Lower	Upper
83	100		
85	47.8	53.5	80.3#



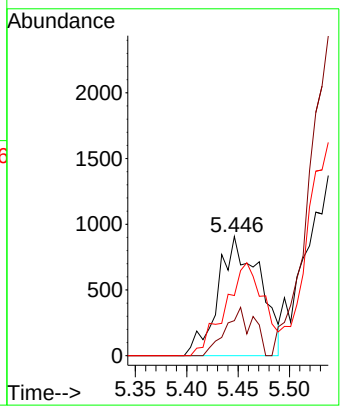


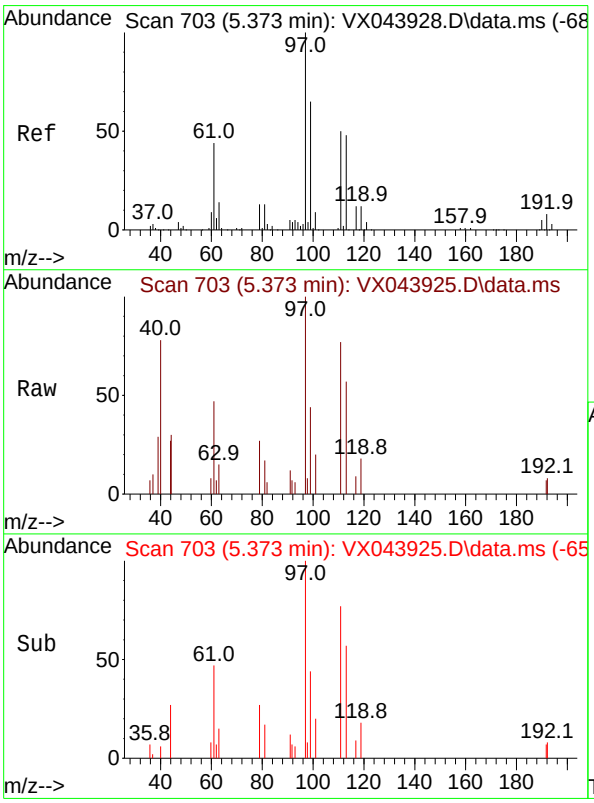
#31
Cyclohexane
Concen: 0.900 ug/l
RT: 5.446 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 2563

Ion	Ratio	Lower	Upper
56	100		
69	29.4	24.7	37.1
84	50.5	68.7	103.1#

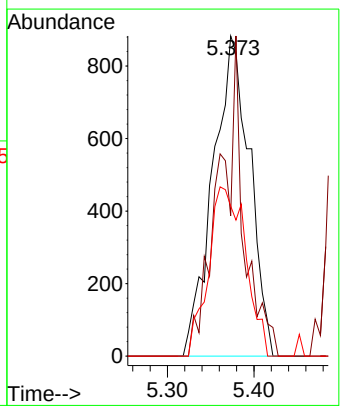


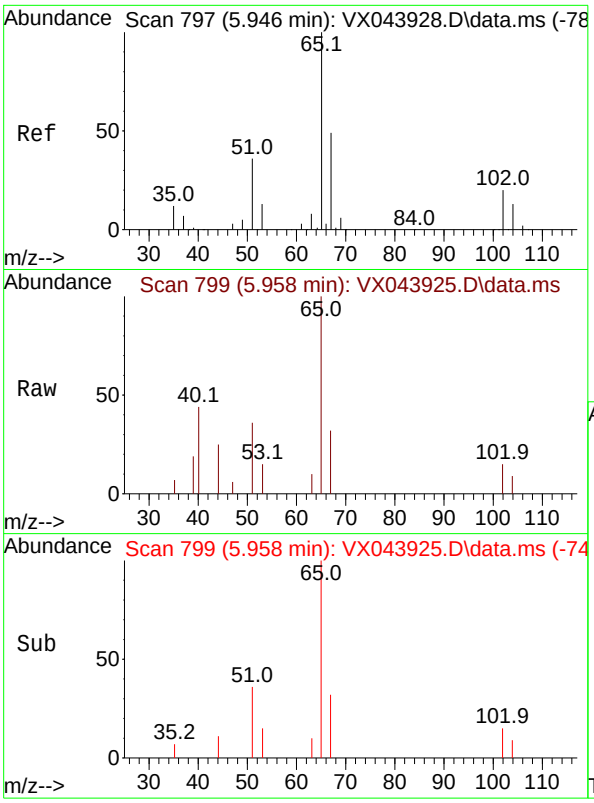


#32
1,1,1-Trichloroethane
Concen: 0.810 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 97 Resp: 2600

Ion	Ratio	Lower	Upper
97	100		
99	0.0	50.8	76.2#
61	53.3	35.4	53.2#



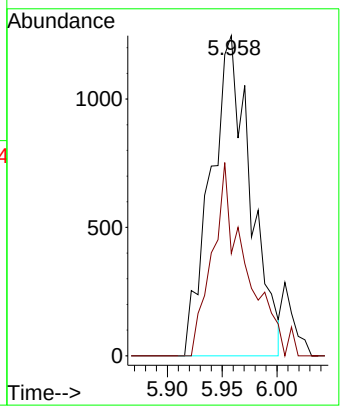


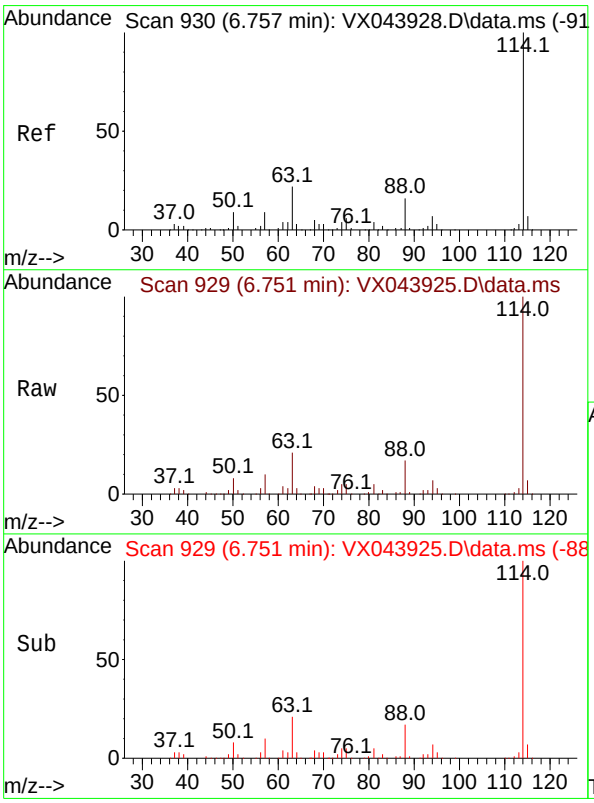
#33
1,2-Dichloroethane-d4
Concen: 1.232 ug/l
RT: 5.958 min Scan# 7
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 65 Resp: 3148

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	100.8

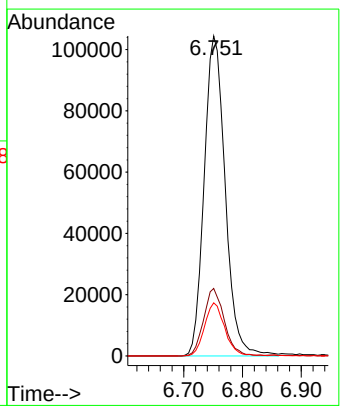


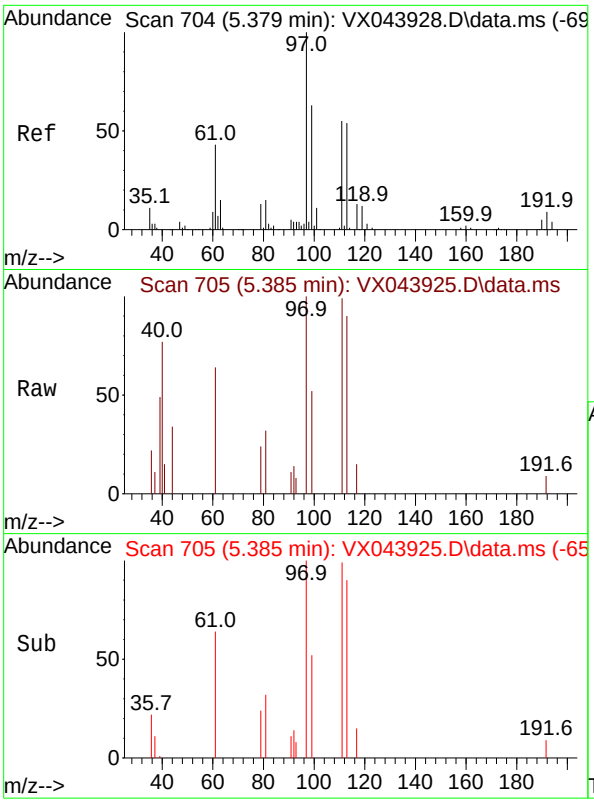


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:114 Resp: 260569

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	44.0
88	16.6	0.0	32.4



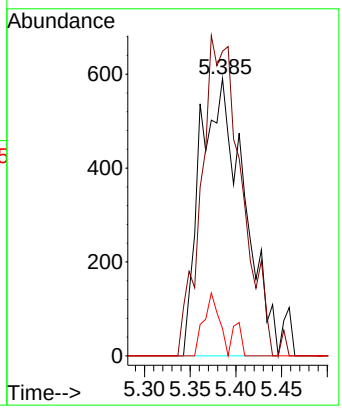


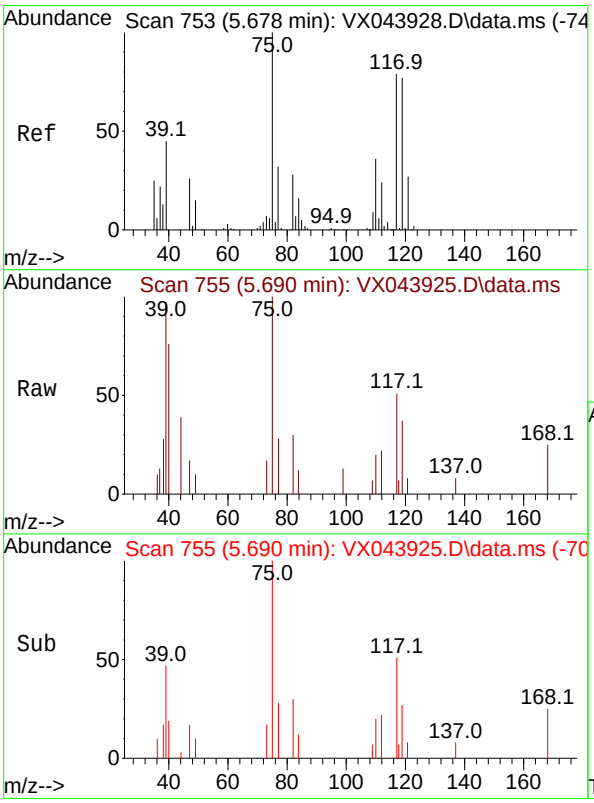
#35
Dibromofluoromethane
Concen: 1.063 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:113 Resp: 1980

Ion	Ratio	Lower	Upper
113	100		
111	104.8	81.0	121.4
192	7.9	13.0	19.6#

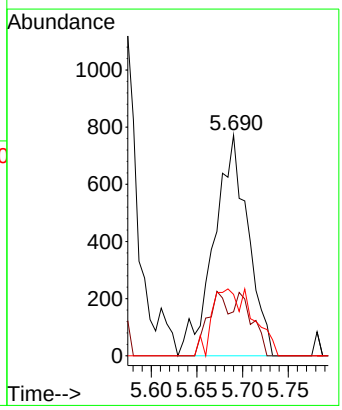


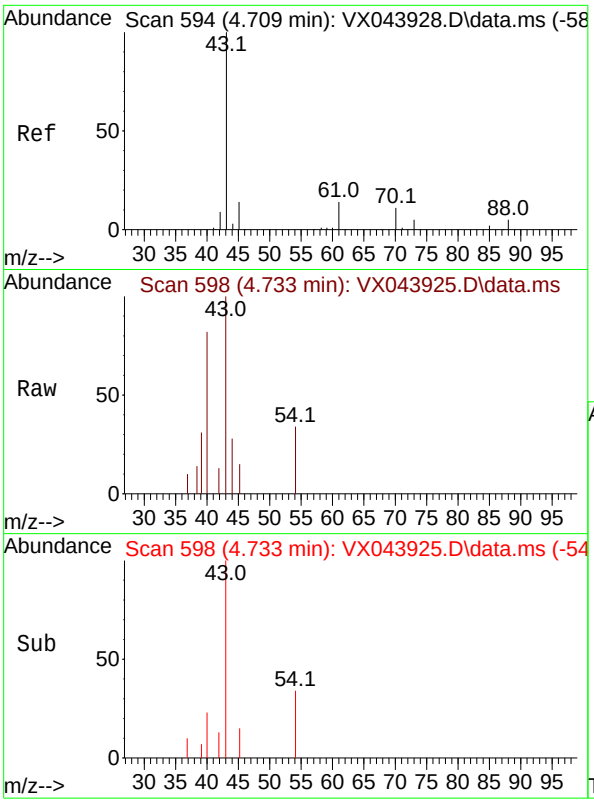


#36
1,1-Dichloropropene
Concen: 0.859 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 75 Resp: 1993

Ion	Ratio	Lower	Upper
75	100		
110	16.7	17.4	52.2#
77	36.6	25.8	38.8



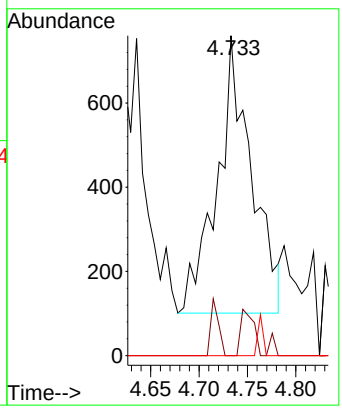


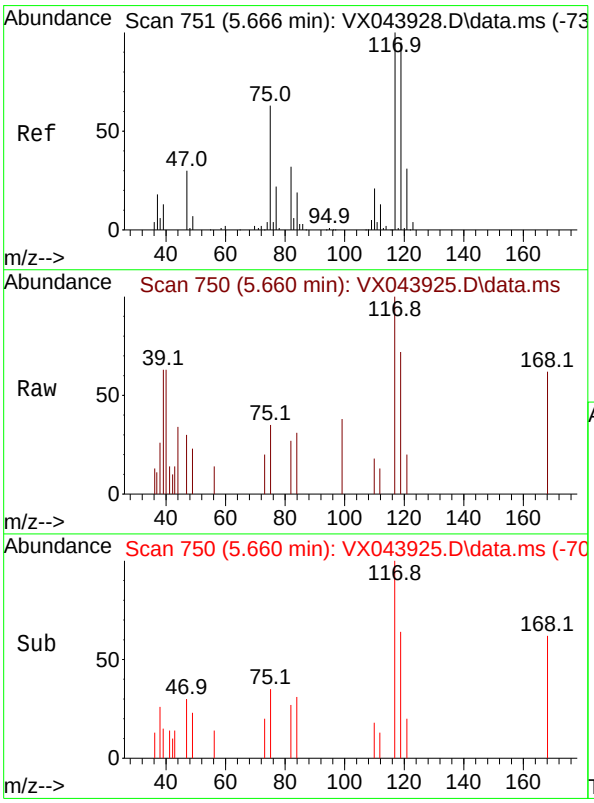
#37
Ethyl Acetate
Concen: 0.567 ug/l
RT: 4.733 min Scan# 5
Delta R.T. 0.024 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 1632

Ion	Ratio	Lower	Upper
43	100		
61	6.3	10.7	16.1#
70	0.0	8.0	12.0#

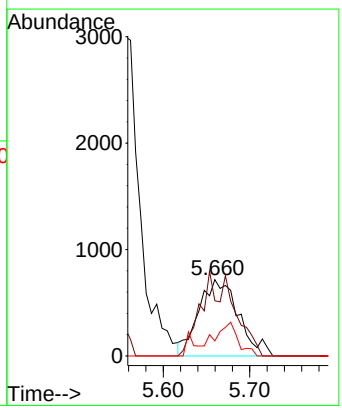


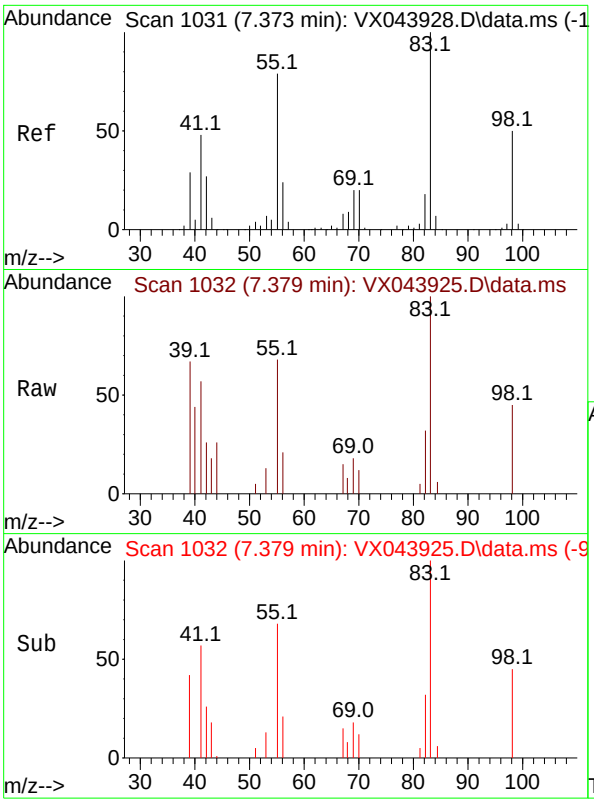


#38
Carbon Tetrachloride
Concen: 0.877 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:117 Resp: 2287

Ion	Ratio	Lower	Upper
117	100		
119	72.4	75.2	112.8#
121	19.7	24.5	36.7#



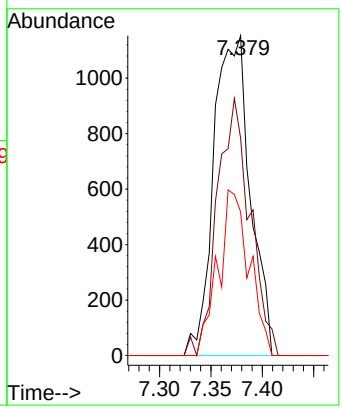


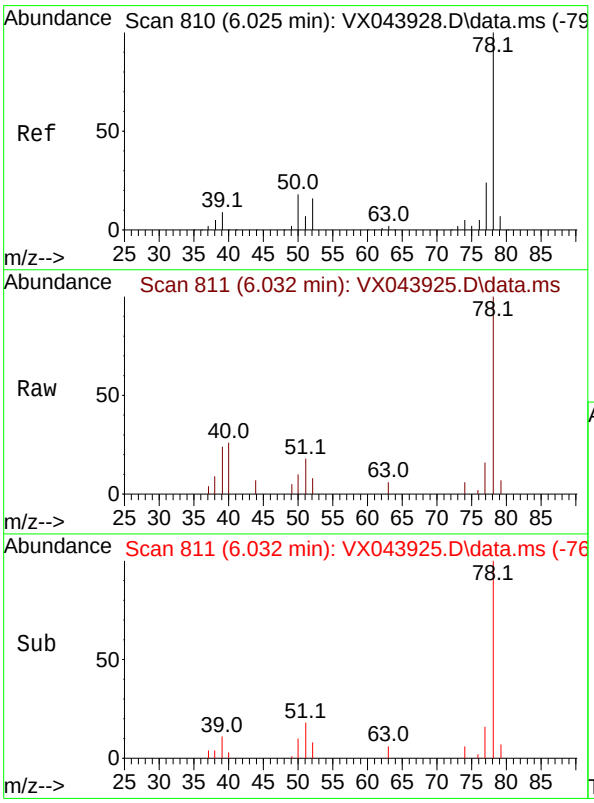
#39
Methylcyclohexane
Concen: 0.941 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 2835

Ion	Ratio	Lower	Upper
83	100		
55	68.0	63.1	94.7
98	44.9	40.0	60.0

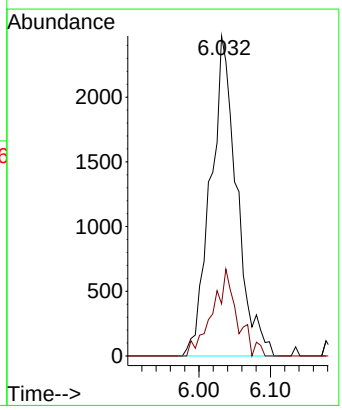


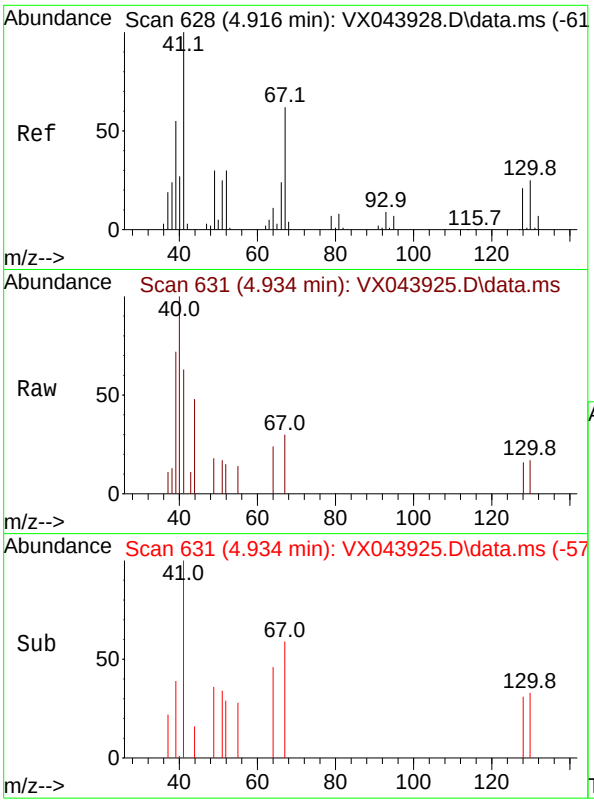


#40
Benzene
Concen: 0.873 ug/l
RT: 6.032 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 78 Resp: 6312

Ion	Ratio	Lower	Upper
78	100		
77	16.3	19.2	28.8#



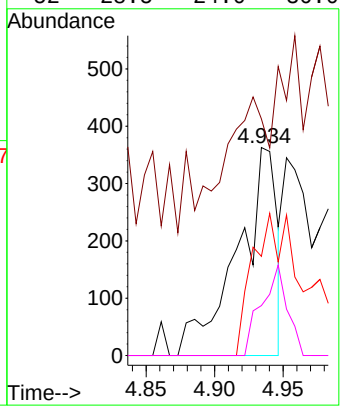


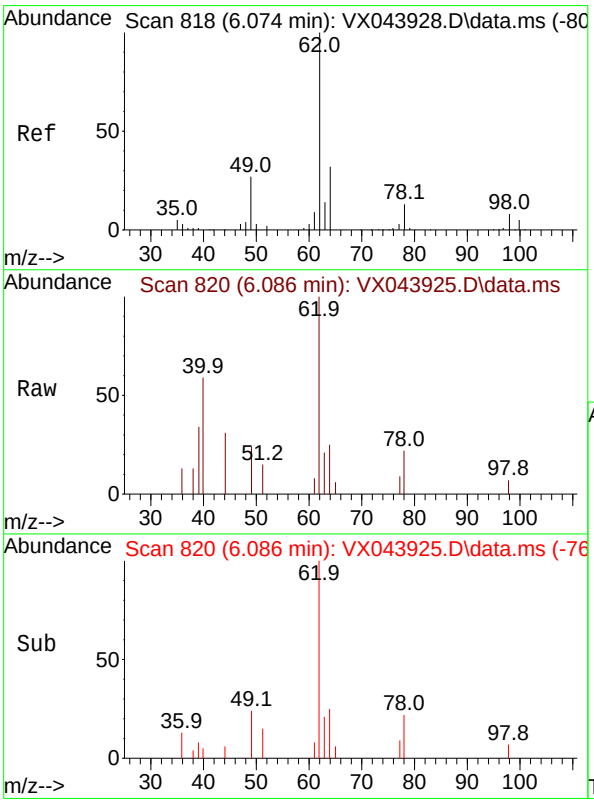
#41
Methacrylonitrile
Concen: 0.491 ug/l
RT: 4.934 min Scan# 6
Delta R.T. 0.018 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 724

Ion	Ratio	Lower	Upper
41	100		
39	34.9	41.7	62.5#
67	89.8	55.8	83.8#
52	28.5	24.0	36.0

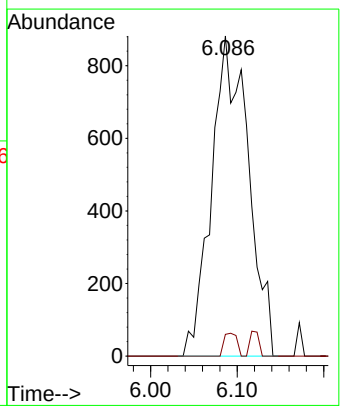


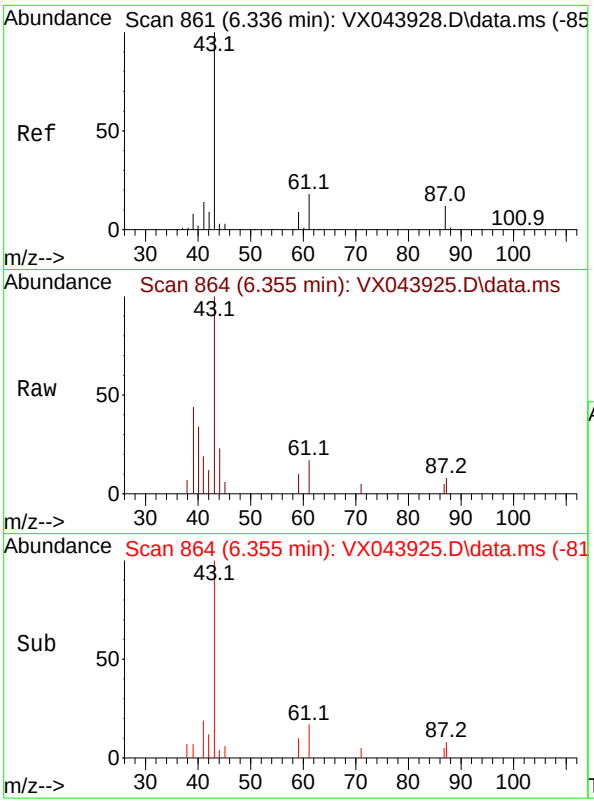


#42
1,2-Dichloroethane
Concen: 0.896 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 62 Resp: 2602

Ion	Ratio	Lower	Upper
62	100		
98	2.5	0.0	16.4



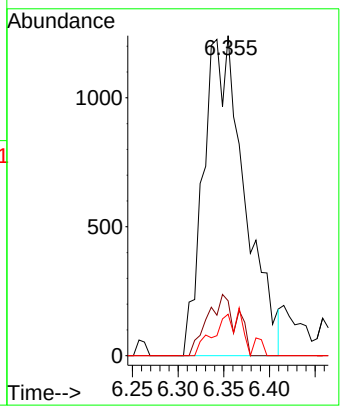


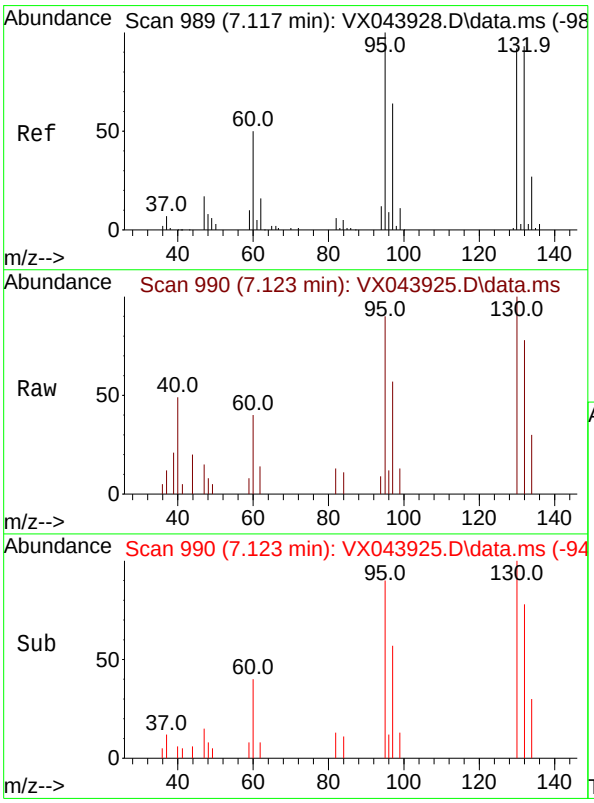
#43
Isopropyl Acetate
Concen: 0.847 ug/l
RT: 6.355 min Scan# 8
Delta R.T. 0.018 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 3881

Ion	Ratio	Lower	Upper
43	100		
61	13.8	14.5	21.7#
87	8.9	10.2	15.2#

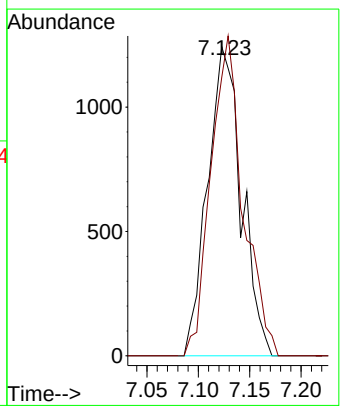


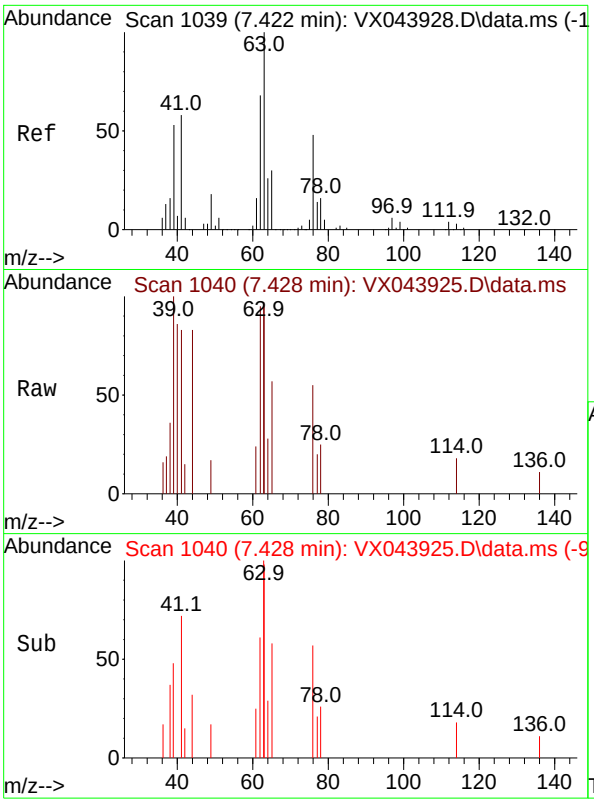


#44
Trichloroethene
Concen: 1.393 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:130 Resp: 2850

Ion	Ratio	Lower	Upper
130	100		
95	90.0	0.0	217.8



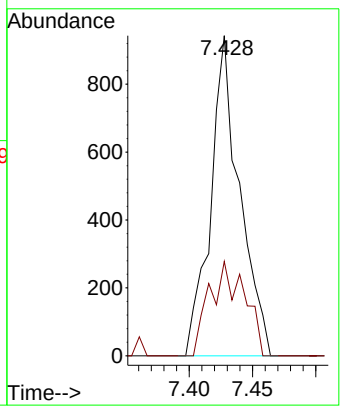


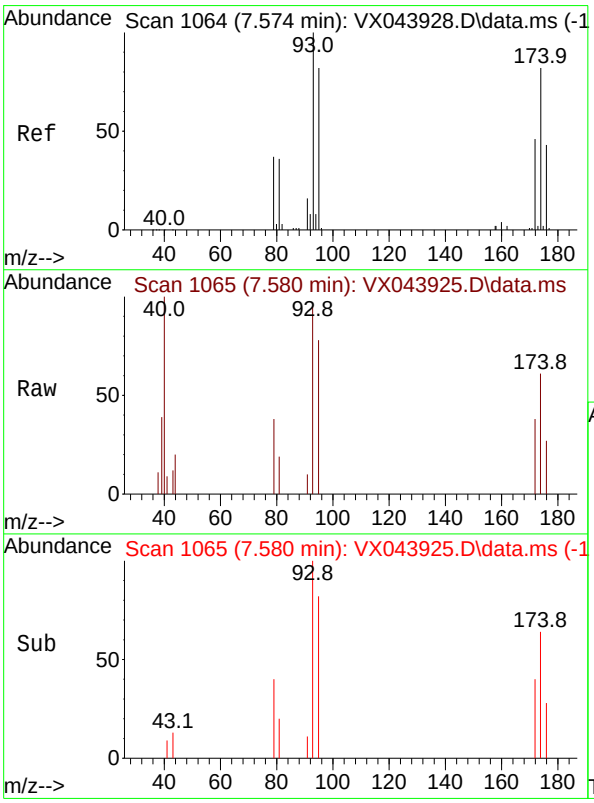
#45
1,2-Dichloropropane
Concen: 0.849 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 63 Resp: 1503

Ion	Ratio	Lower	Upper
63	100		
65	29.5	23.8	35.6

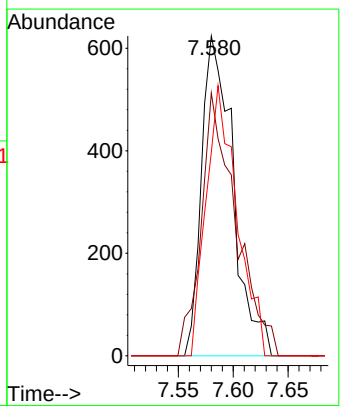


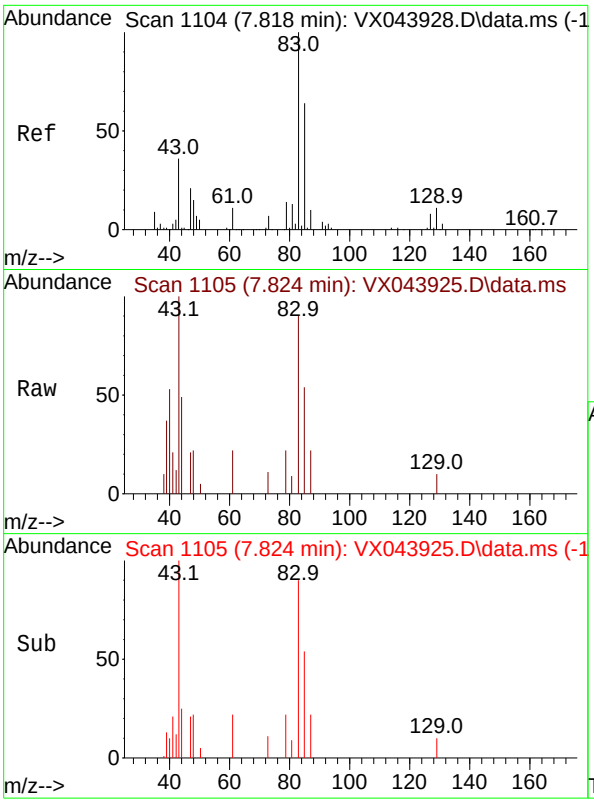


#46
Dibromomethane
Concen: 0.890 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 93 Resp: 1246

Ion	Ratio	Lower	Upper
93	100		
95	90.4	66.2	99.4
174	83.1	69.6	104.4



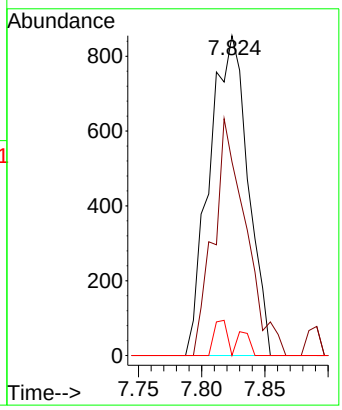


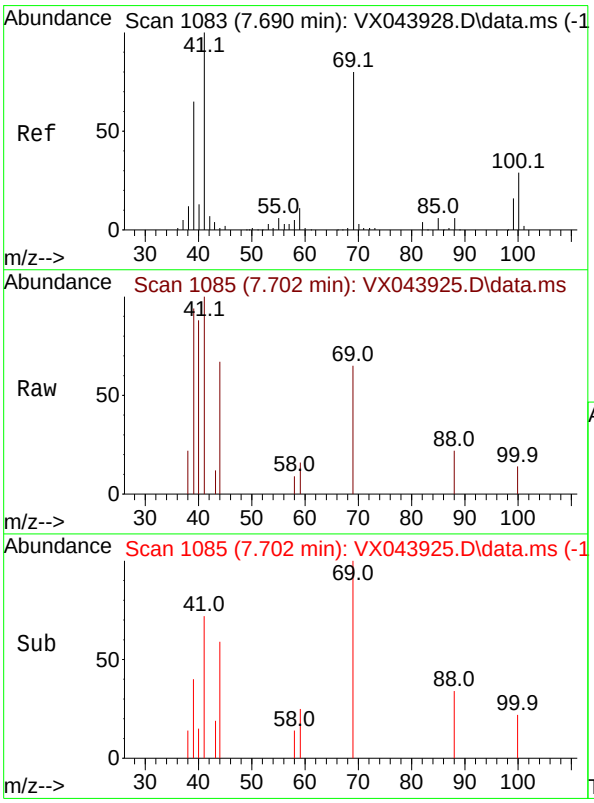
#47
Bromodichloromethane
Concen: 0.724 ug/l
RT: 7.824 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 1819

Ion	Ratio	Lower	Upper
83	100		
85	60.6	51.4	77.0
127	0.0	6.6	10.0#

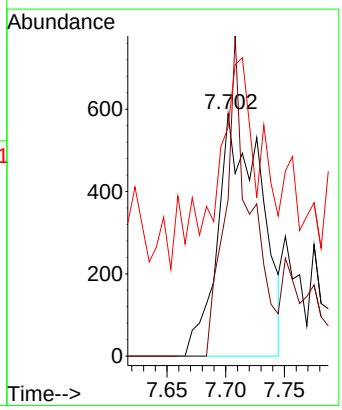


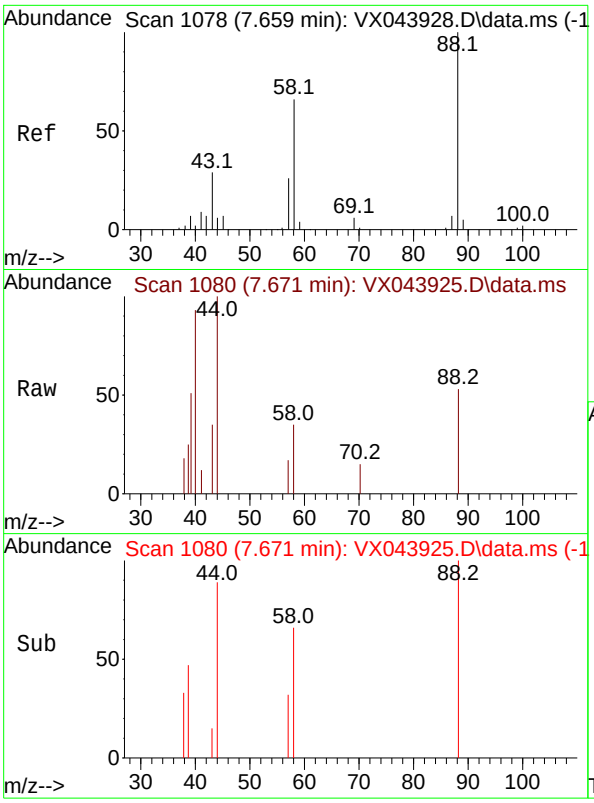


#48
Methyl methacrylate
Concen: 0.687 ug/l
RT: 7.702 min Scan# 1085
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 41 Resp: 1511

Ion	Ratio	Lower	Upper
41	100		
69	76.8	64.6	97.0
39	53.8	53.3	79.9



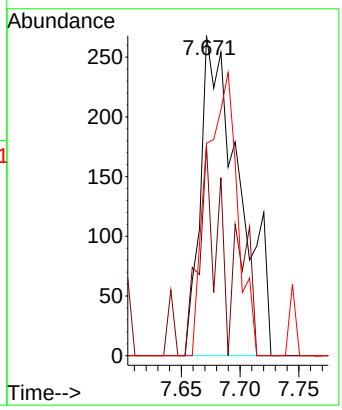


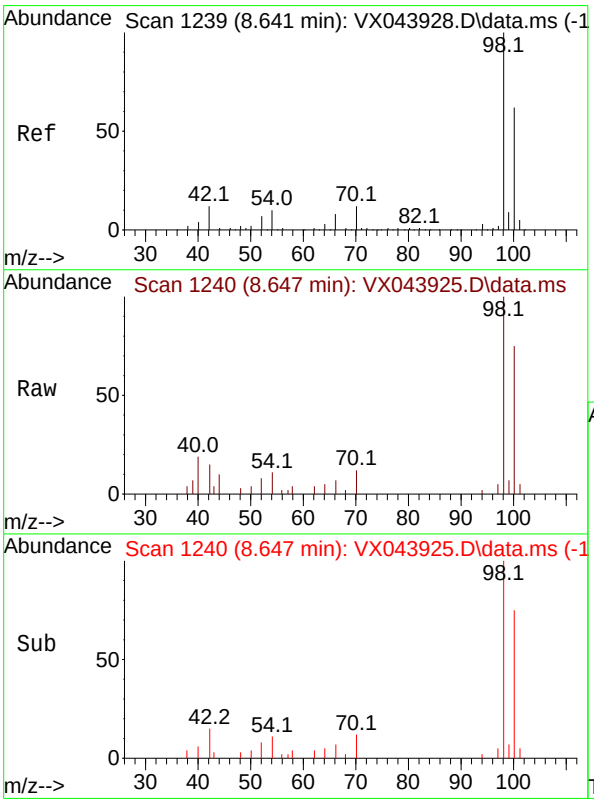
#49
1,4-Dioxane
Concen: 16.166 ug/l
RT: 7.671 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 88 Resp: 613

Ion	Ratio	Lower	Upper
88	100		
43	31.0	26.8	40.2
58	0.0	45.4	68.2#

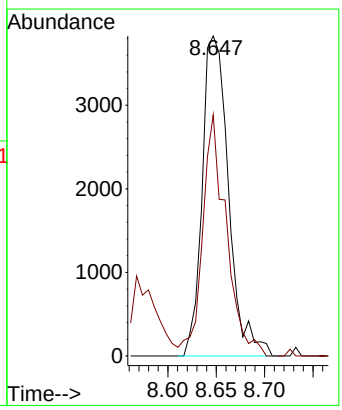


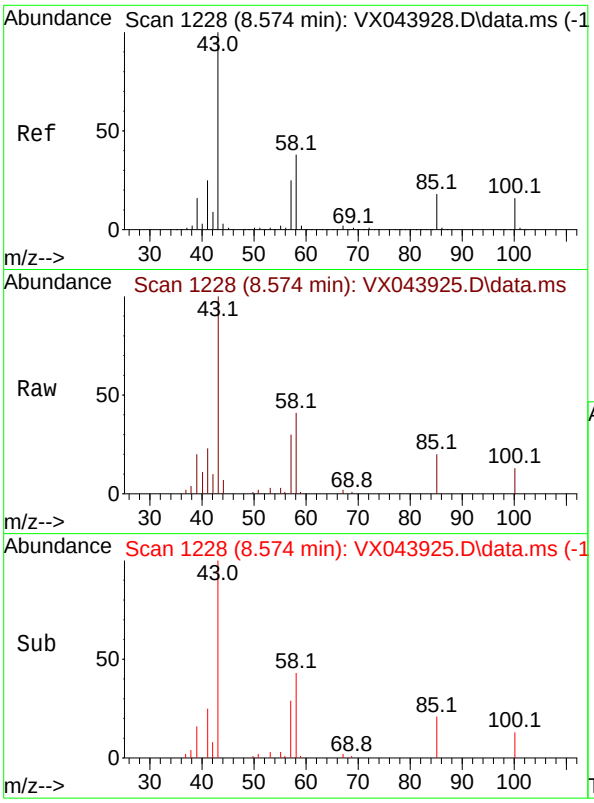


#50
Toluene-d8
Concen: 1.132 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 98 Resp: 7267

Ion	Ratio	Lower	Upper
98	100		
100	67.5	52.6	79.0



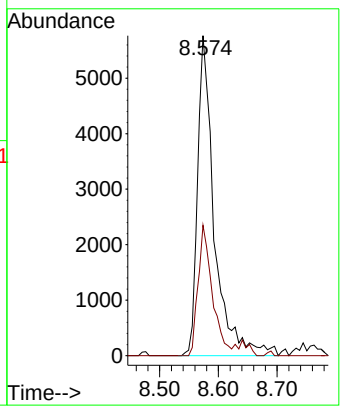


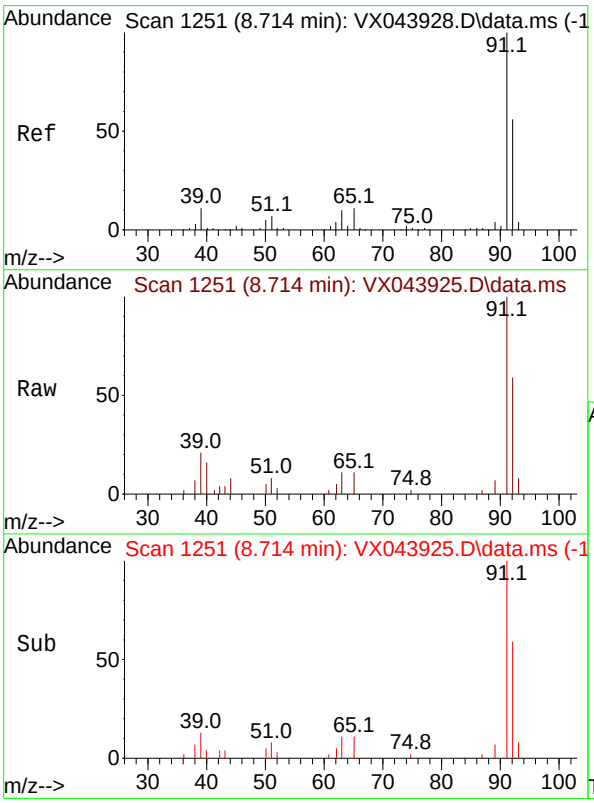
#51
4-Methyl-2-Pentanone
Concen: 4.073 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 11392

Ion	Ratio	Lower	Upper
43	100		
58	34.9	30.0	45.0

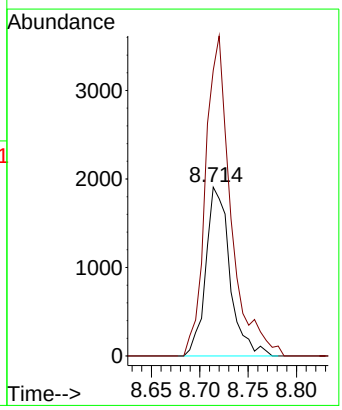


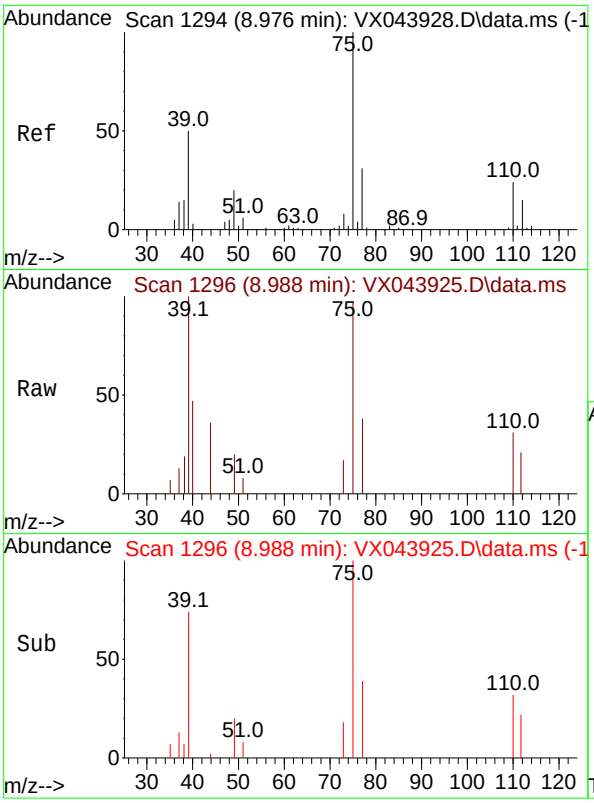


#52
Toluene
Concen: 0.766 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 92 Resp: 3313

Ion	Ratio	Lower	Upper
92	100		
91	199.1	139.7	209.5



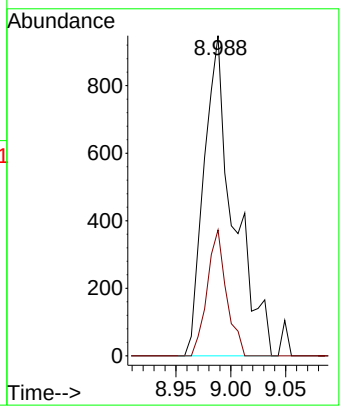


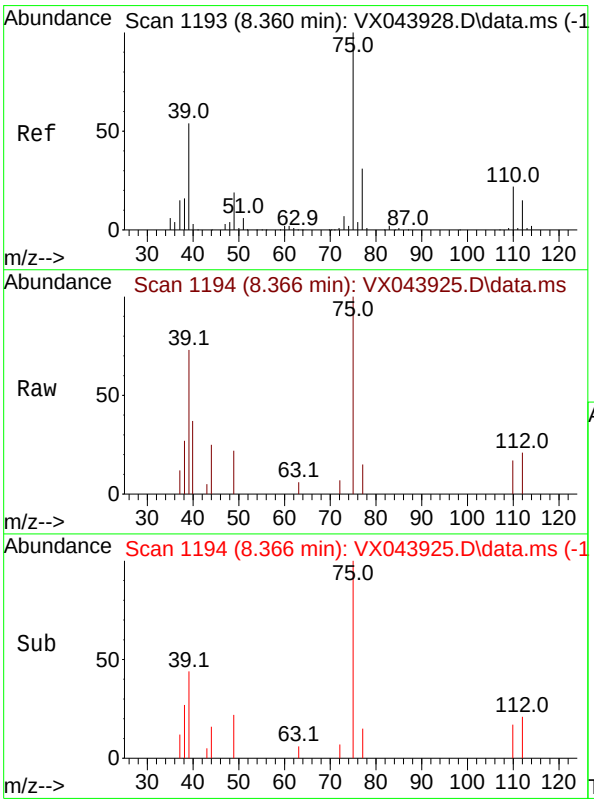
#53
t-1,3-Dichloropropene
Concen: 0.694 ug/l
RT: 8.988 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 1776

Ion	Ratio	Lower	Upper
75	100		
77	39.3	25.1	37.7#

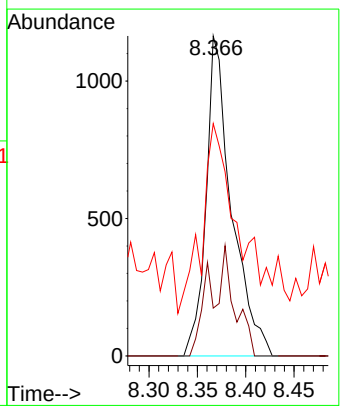


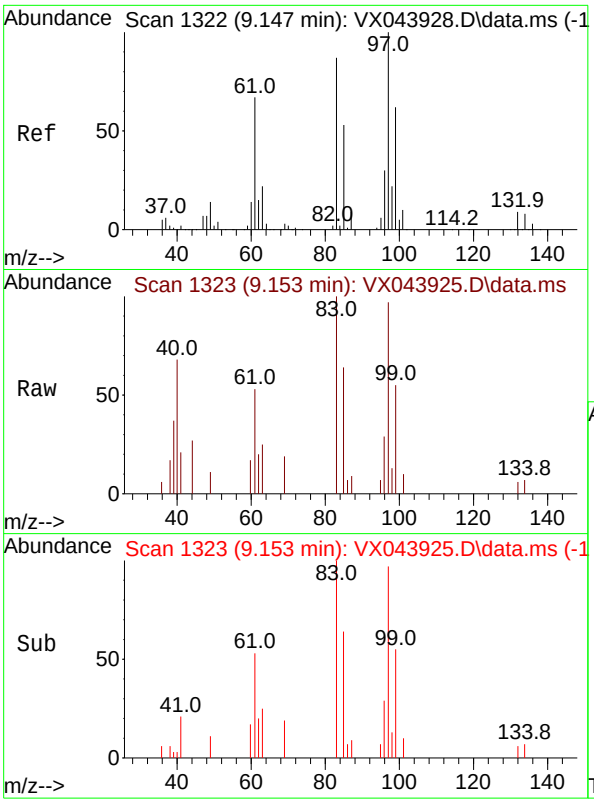


#54
cis-1,3-Dichloropropene
Concen: 0.759 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 75 Resp: 2132

Ion	Ratio	Lower	Upper
75	100		
77	14.9	25.2	37.8#
39	59.3	43.1	64.7



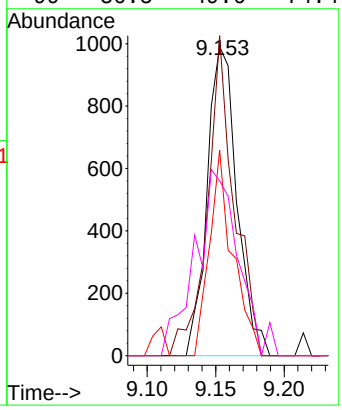


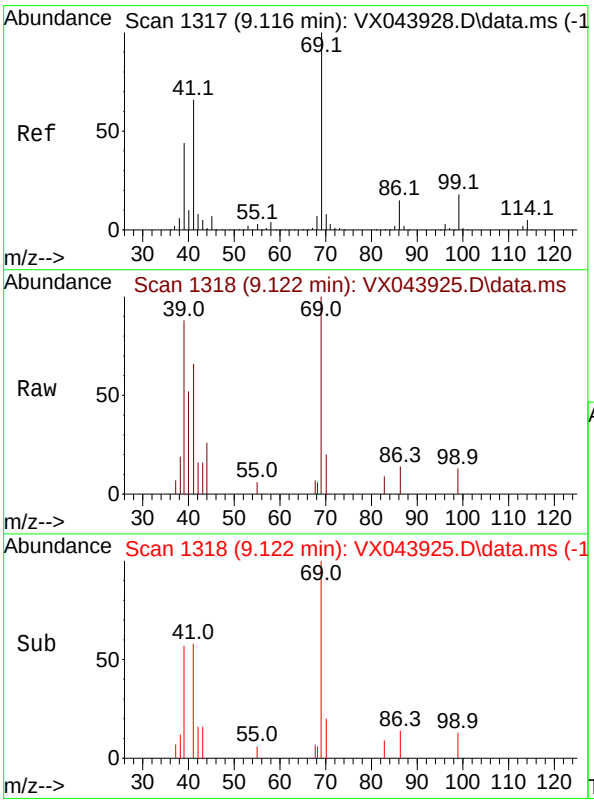
#55
1,1,2-Trichloroethane
Concen: 0.838 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 97 Resp: 1496

Ion	Ratio	Lower	Upper
97	100		
83	103.5	69.4	104.0
85	66.5	42.3	63.5#
99	56.5	49.6	74.4

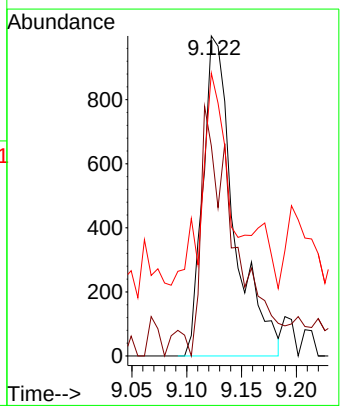


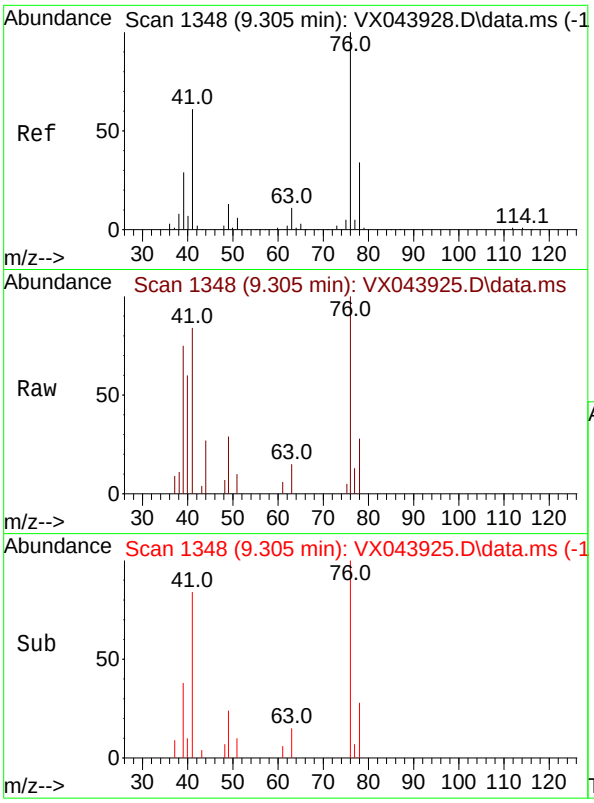


#56
Ethyl methacrylate
Concen: 0.709 ug/l
RT: 9.122 min Scan# 1318
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 69 Resp: 1973

Ion	Ratio	Lower	Upper
69	100		
41	85.3	55.8	83.8#
39	56.7	36.7	55.1#



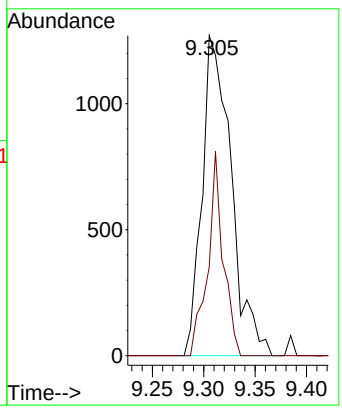


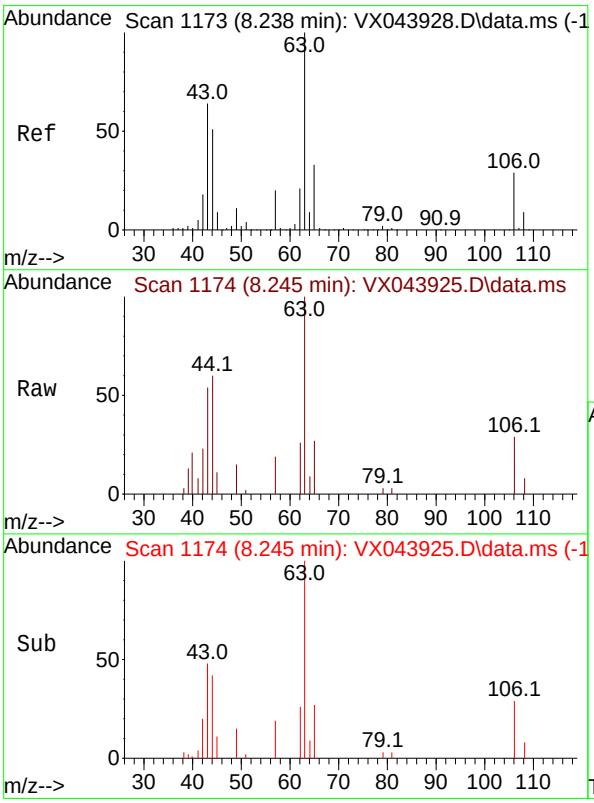
#57
1,3-Dichloropropane
Concen: 0.832 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 2502

Ion	Ratio	Lower	Upper
76	100		
78	33.6	26.0	39.0

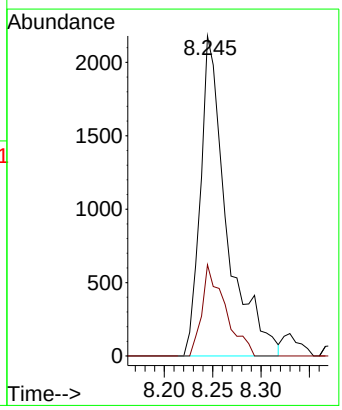


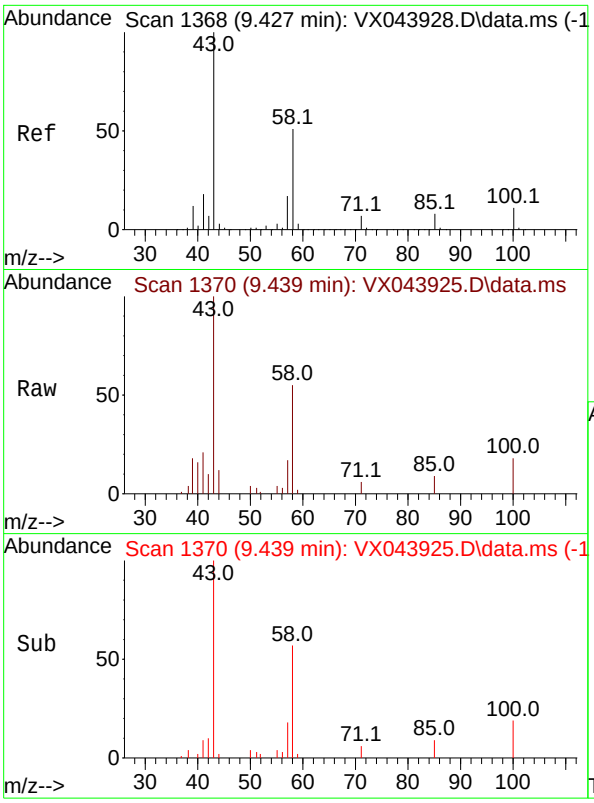


#58
2-Chloroethyl Vinyl ether
Concen: 2.662 ug/l
RT: 8.245 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 63 Resp: 4135

Ion	Ratio	Lower	Upper
63	100		
106	25.2	23.0	34.6



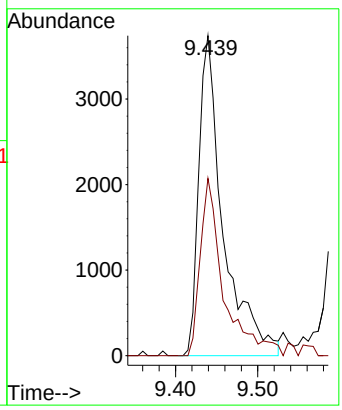


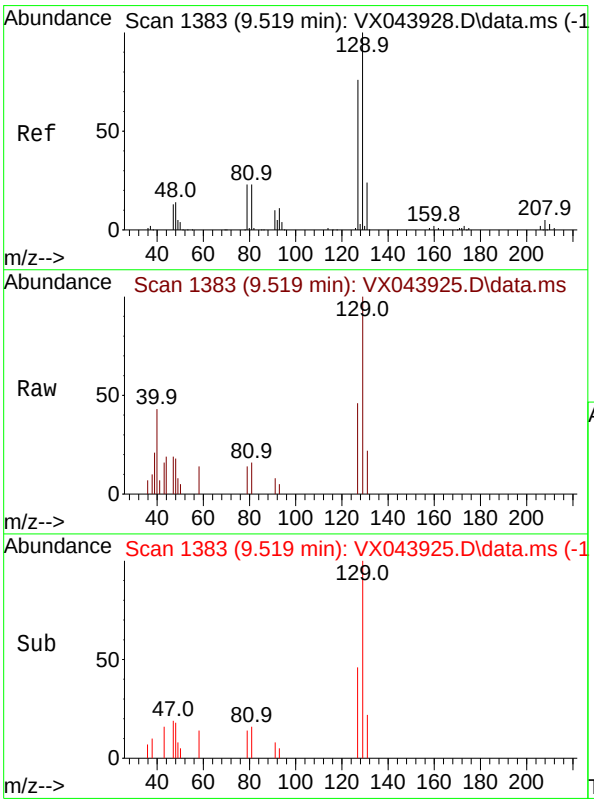
#59
2-Hexanone
Concen: 3.675 ug/l
RT: 9.439 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 7726

Ion	Ratio	Lower	Upper
43	100		
58	52.6	25.9	77.6

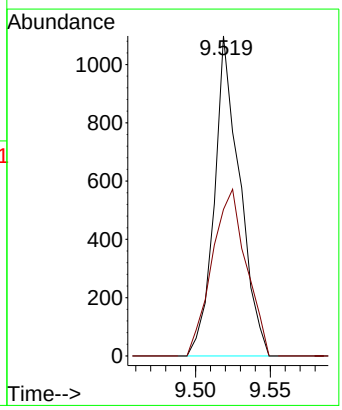


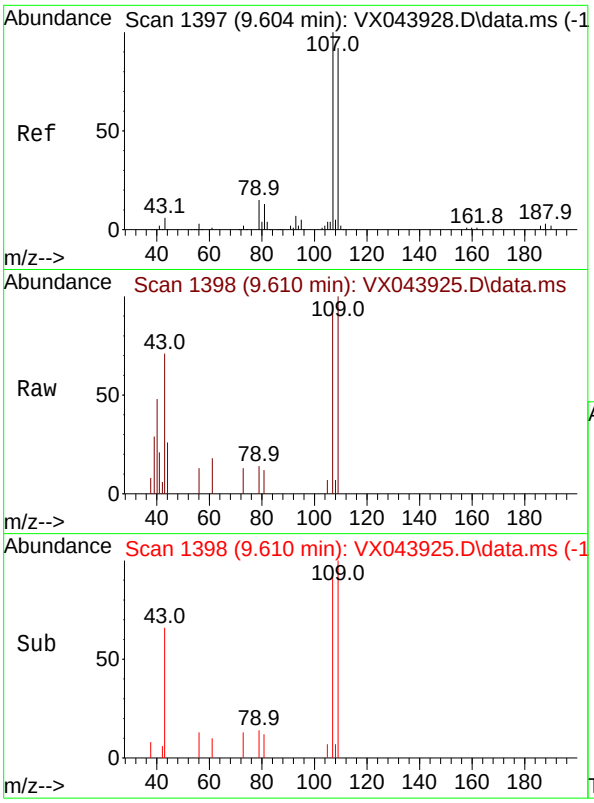


#60
Dibromochloromethane
Concen: 0.723 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:129 Resp: 1296

Ion	Ratio	Lower	Upper
129	100		
127	70.6	38.2	114.6



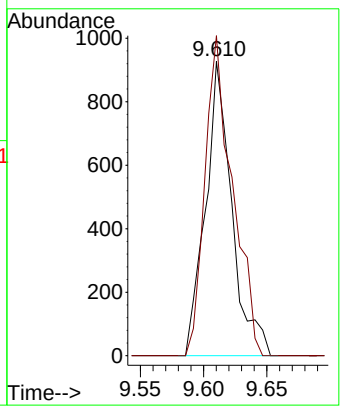


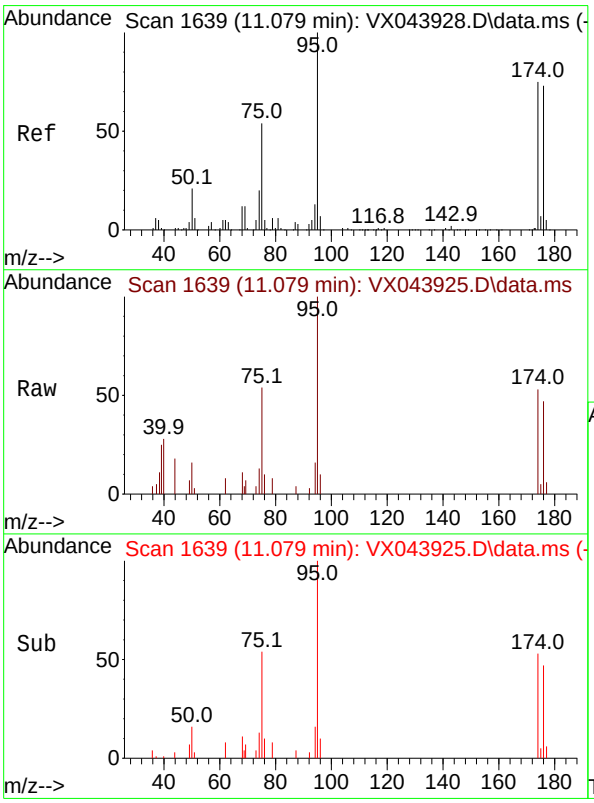
#61
1,2-Dibromoethane
Concen: 0.743 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:107 Resp: 1342

Ion	Ratio	Lower	Upper
107	100		
109	113.3	75.2	112.8#

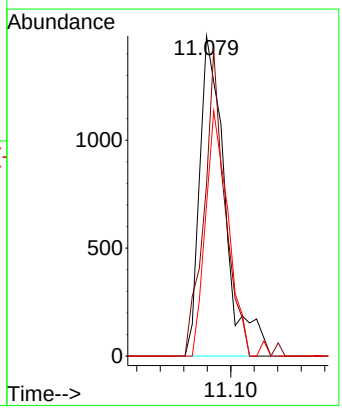


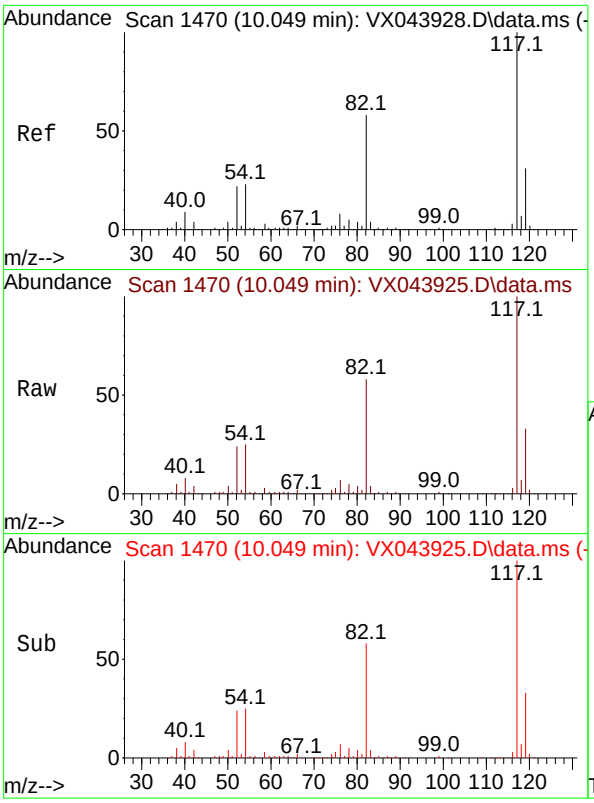


#62
4-Bromofluorobenzene
Concen: 1.015 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 95 Resp: 2216

Ion	Ratio	Lower	Upper
95	100		
174	78.8	0.0	150.4
176	68.4	0.0	146.0



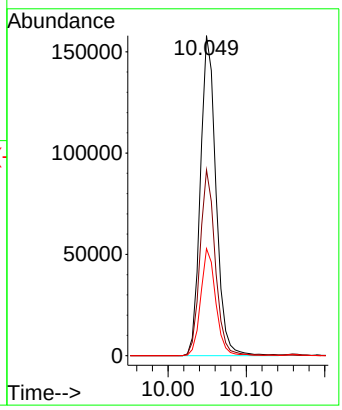


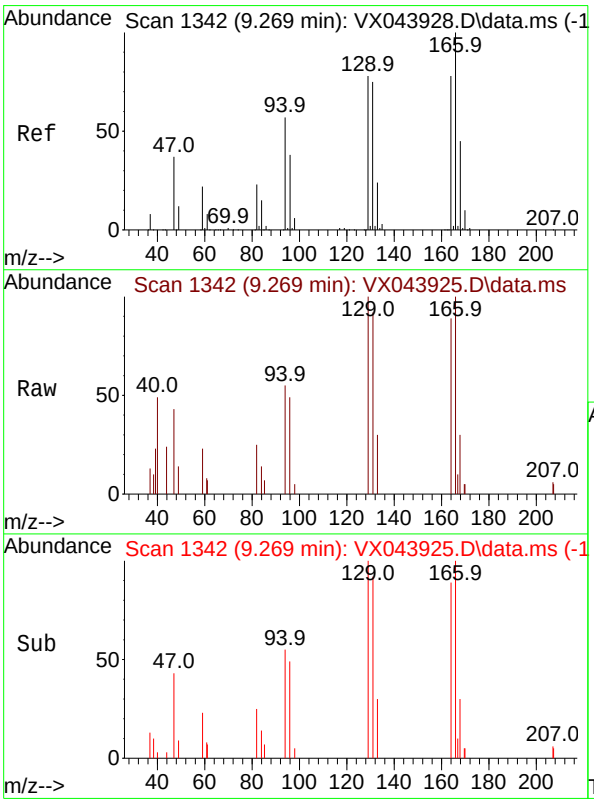
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 218244

Ion	Ratio	Lower	Upper
117	100		
82	58.1	46.4	69.6
119	33.5	24.6	37.0

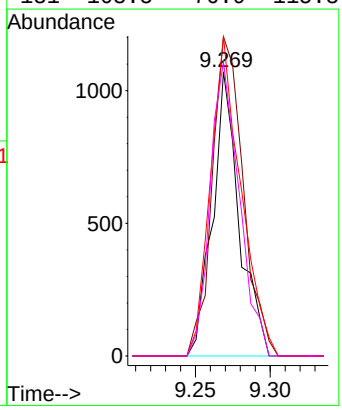


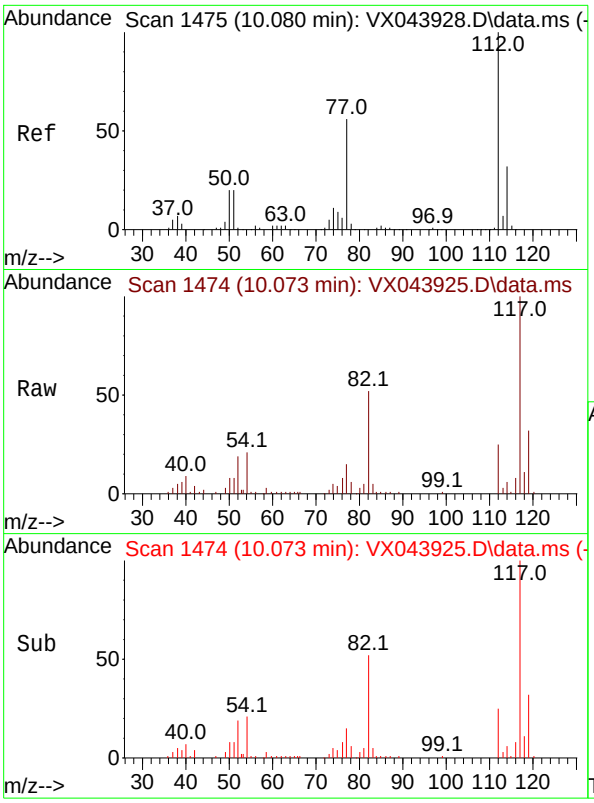


#64
Tetrachloroethene
Concen: 0.924 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:164 Resp: 1329

Ion	Ratio	Lower	Upper
164	100		
166	112.3	102.1	153.1
129	112.6	79.6	119.4
131	103.5	76.9	115.3



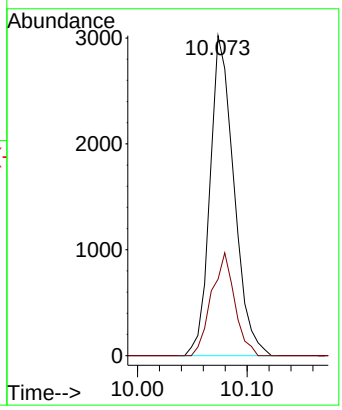


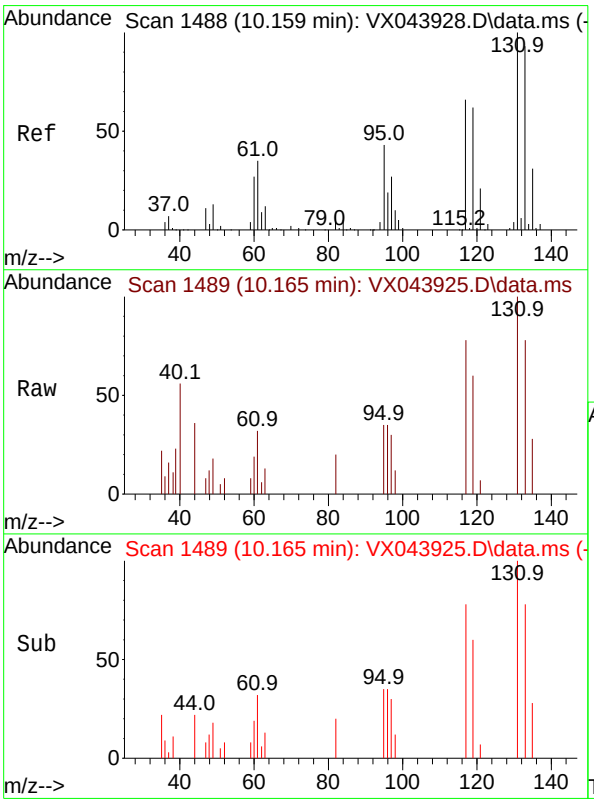
#65
Chlorobenzene
Concen: 0.957 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 4585

Ion	Ratio	Lower	Upper
112	100		
114	23.9	25.4	38.0#

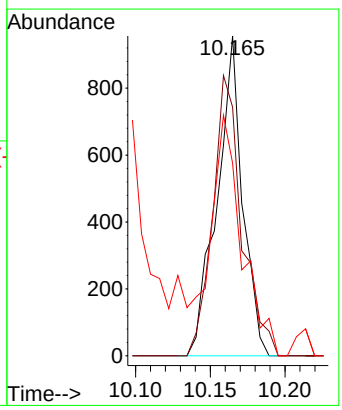


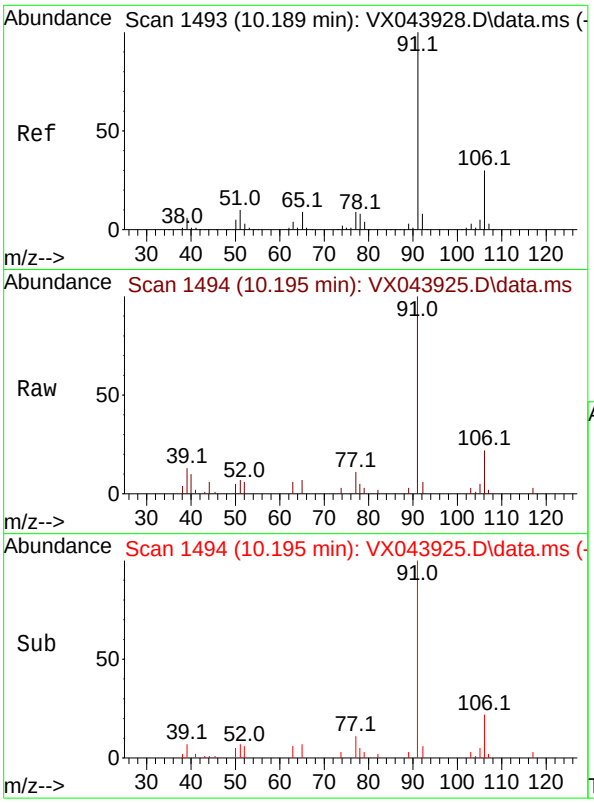


#66
1,1,1,2-Tetrachloroethane
Concen: 0.731 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:131 Resp: 1136

Ion	Ratio	Lower	Upper
131	100		
133	100.0	48.2	144.6
119	0.0	31.5	94.5#



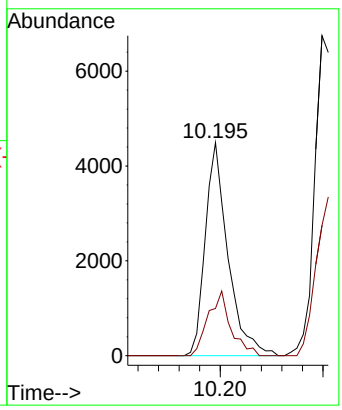


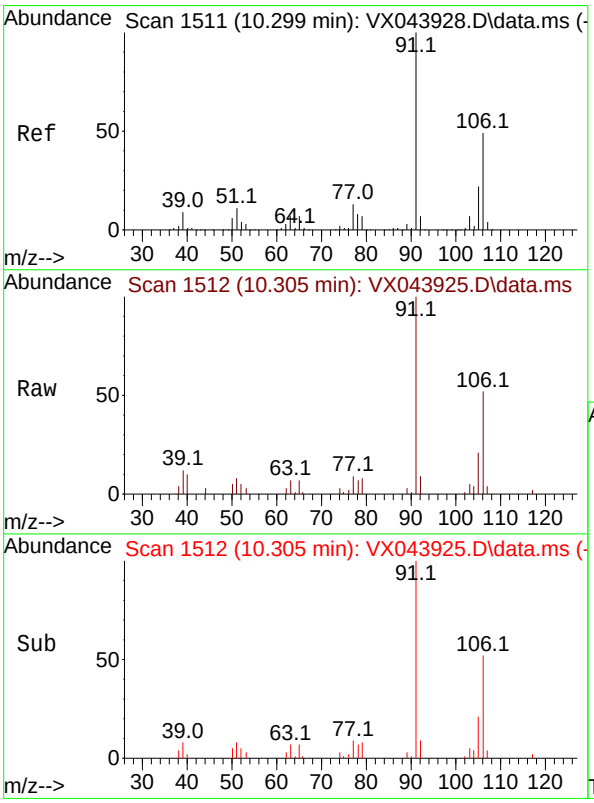
#67
Ethyl Benzene
Concen: 0.848 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 6890

Ion	Ratio	Lower	Upper
91	100		
106	22.2	23.6	35.4#

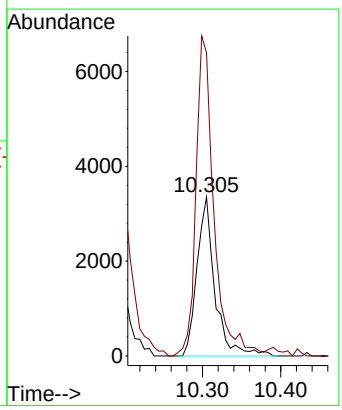


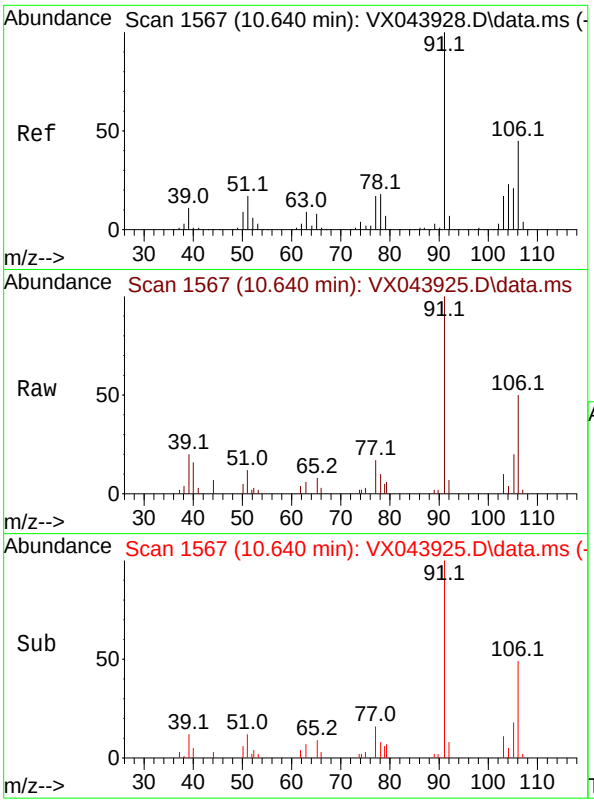


#68
m/p-Xylenes
Concen: 1.758 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:106 Resp: 5324

Ion	Ratio	Lower	Upper
106	100		
91	201.7	168.1	252.1



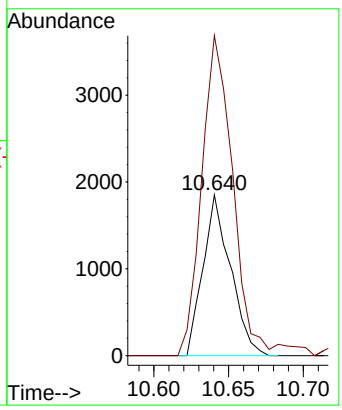


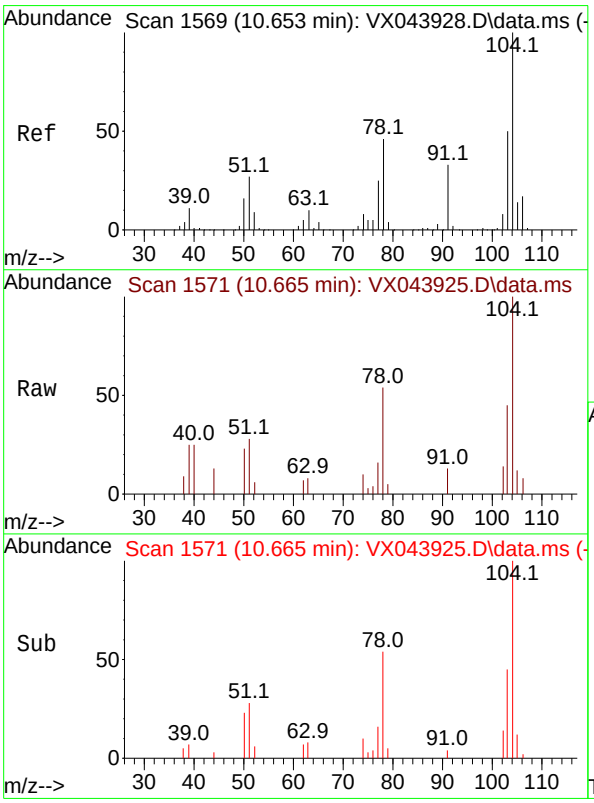
#69
o-Xylene
Concen: 0.801 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:106 Resp: 2370

Ion	Ratio	Lower	Upper
106	100		
91	228.1	110.2	330.6

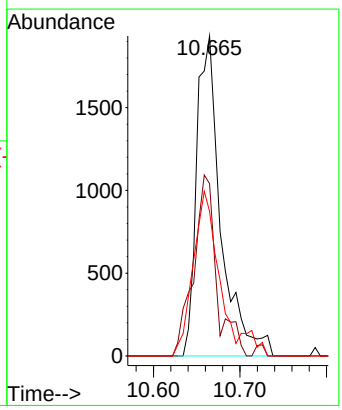


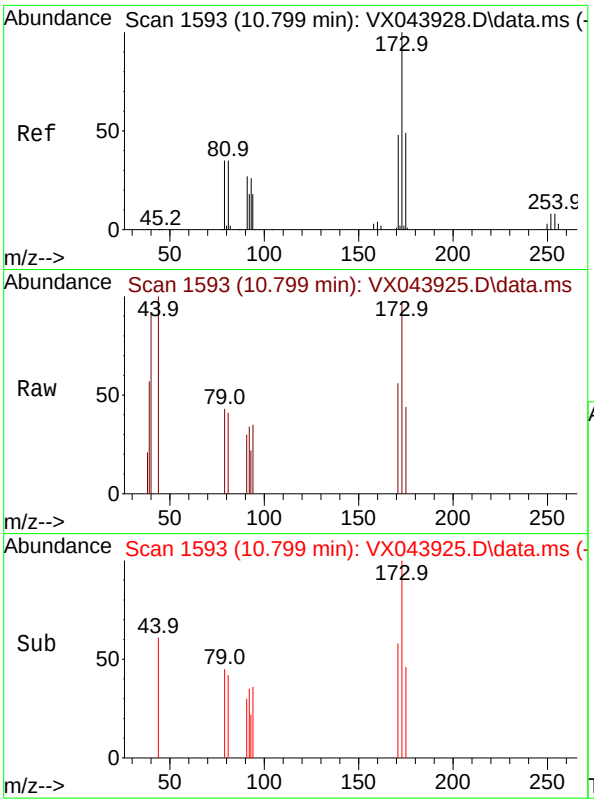


#70
Styrene
Concen: 0.767 ug/l
RT: 10.665 min Scan# 1571
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:104 Resp: 3751

Ion	Ratio	Lower	Upper
104	100		
78	54.0	42.2	63.2
103	52.8	44.7	67.1



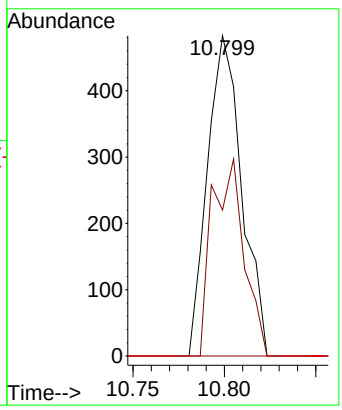


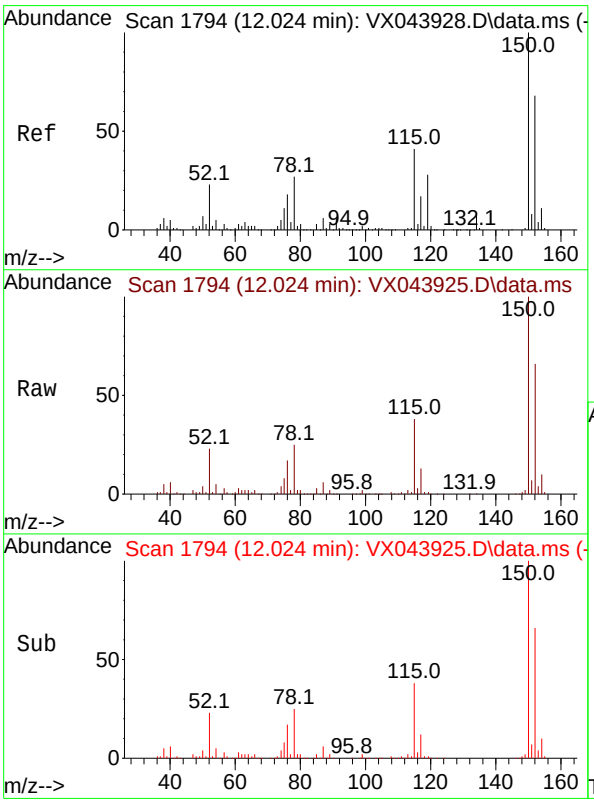
#71
Bromoform
Concen: 1.756 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:173 Resp: 632

Ion	Ratio	Lower	Upper
173	100		
175	57.1	24.1	72.2
254	0.0	0.0	0.0

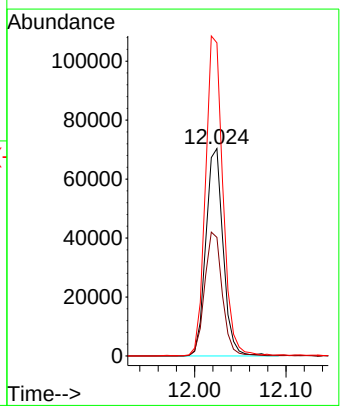


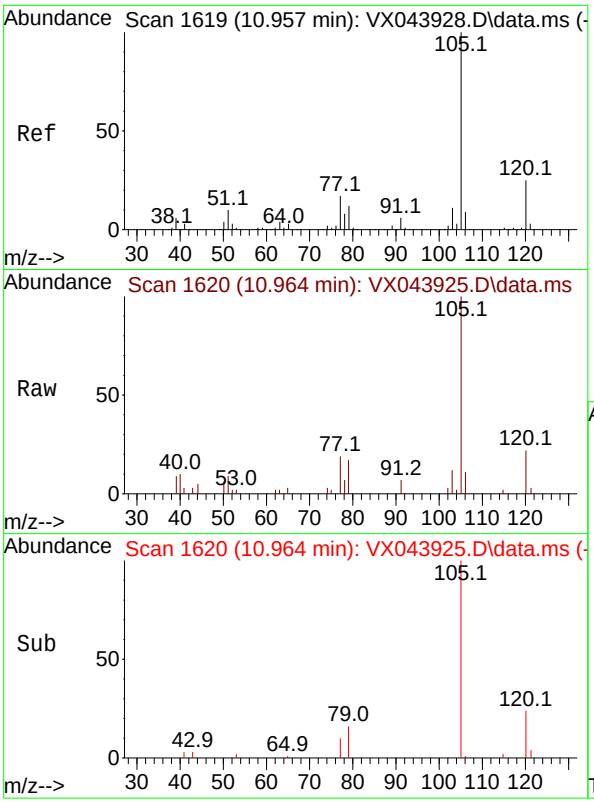


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:152 Resp: 92854

Ion	Ratio	Lower	Upper
152	100		
115	60.8	45.4	136.2
150	154.3	0.0	353.0



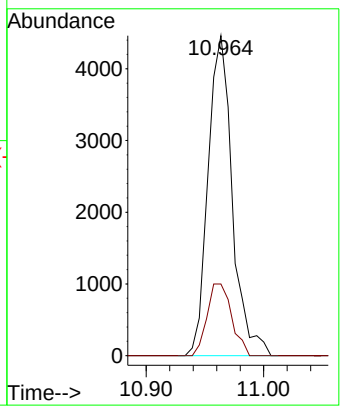


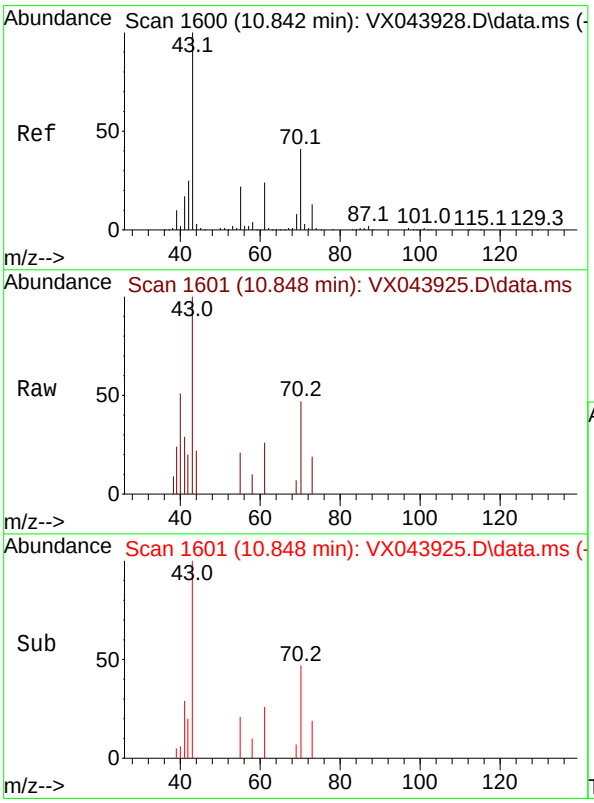
#73
Isopropylbenzene
Concen: 0.894 ug/l
RT: 10.964 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 6379

Ion	Ratio	Lower	Upper
105	100		
120	22.8	13.0	38.9

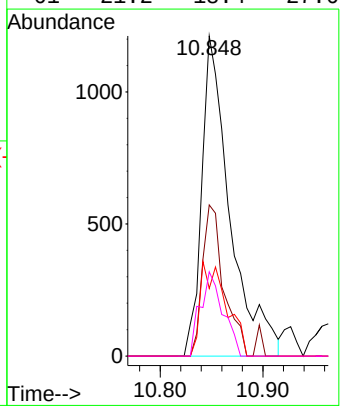


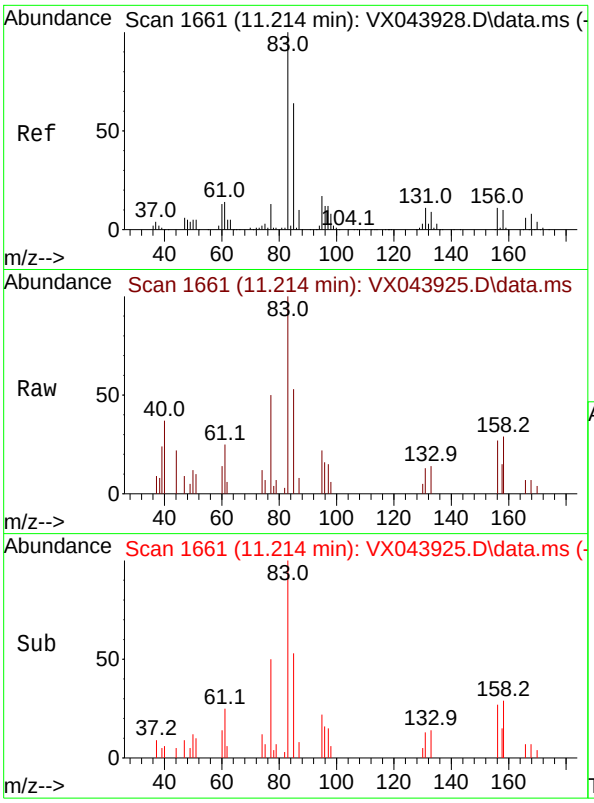


#74
N-amyl acetate
Concen: 0.701 ug/l
RT: 10.848 min Scan# 1601
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 43 Resp: 2319

Ion	Ratio	Lower	Upper
43	100		
70	35.9	32.2	48.2
55	26.8	18.1	27.1
61	21.2	18.4	27.6



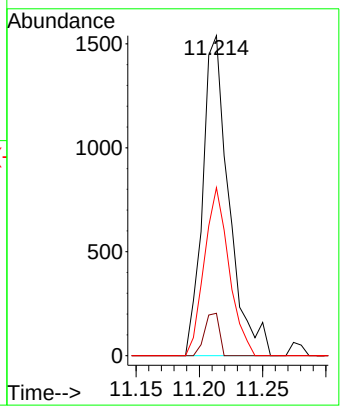


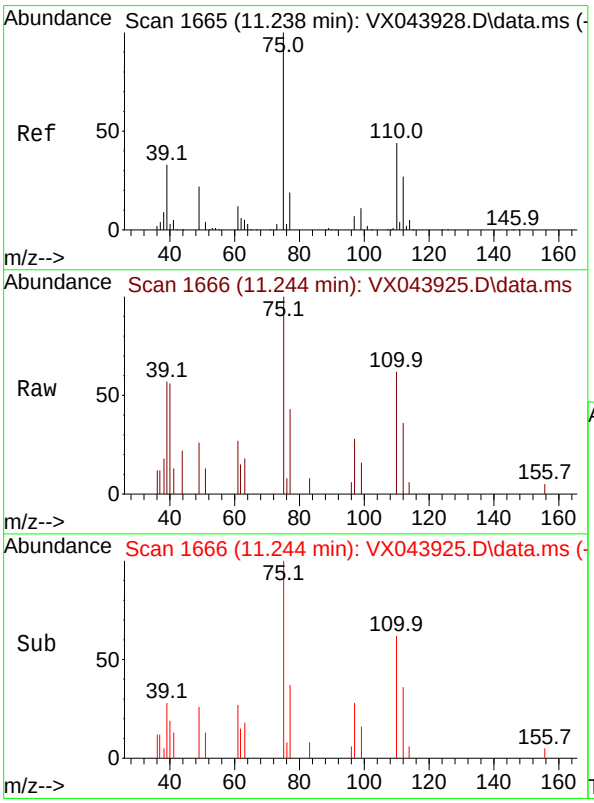
#75
1,1,2,2-Tetrachloroethane
Concen: 0.910 ug/l
RT: 11.214 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 2224

Ion	Ratio	Lower	Upper
83	100		
131	7.5	5.1	15.2
85	49.5	32.2	96.6

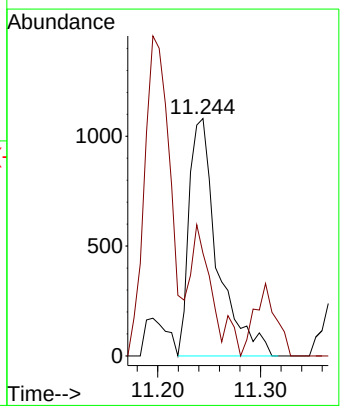


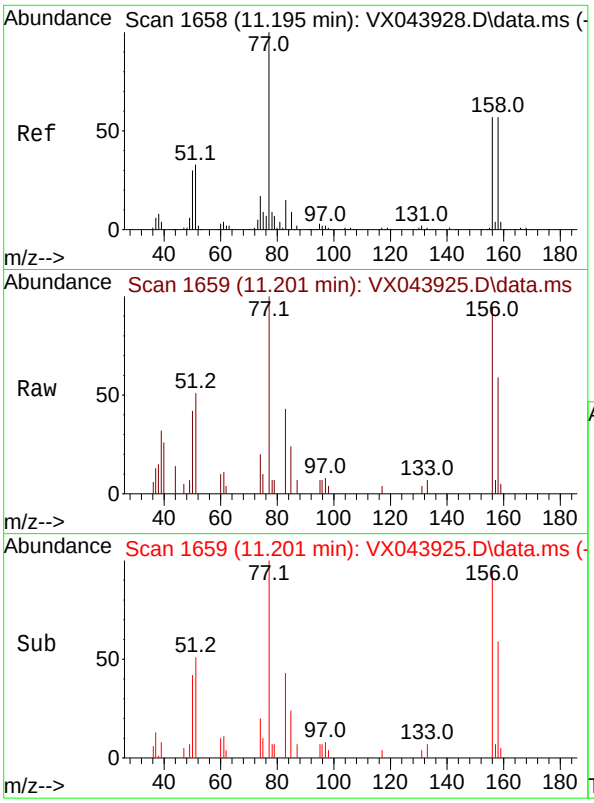


#76
1,2,3-Trichloropropane
Concen: 1.037 ug/l
RT: 11.244 min Scan# 1666
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 75 Resp: 2077

Ion	Ratio	Lower	Upper
75	100		
77	41.9	21.8	65.3



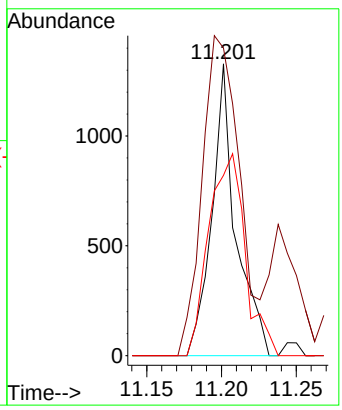


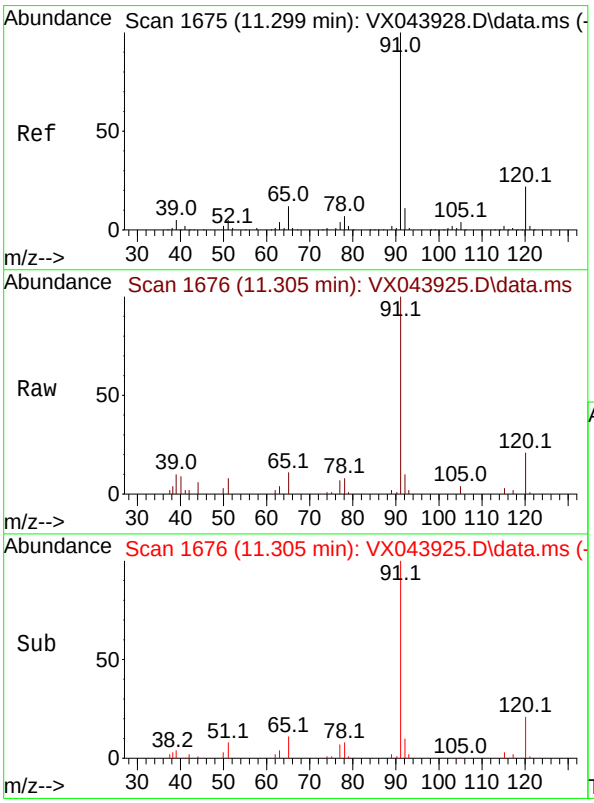
#77
Bromobenzene
Concen: 0.866 ug/l
RT: 11.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:156 Resp: 1475

Ion	Ratio	Lower	Upper
156	100		
77	171.7	83.4	250.1
158	105.1	47.6	142.8

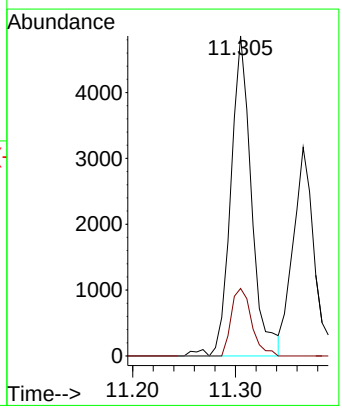


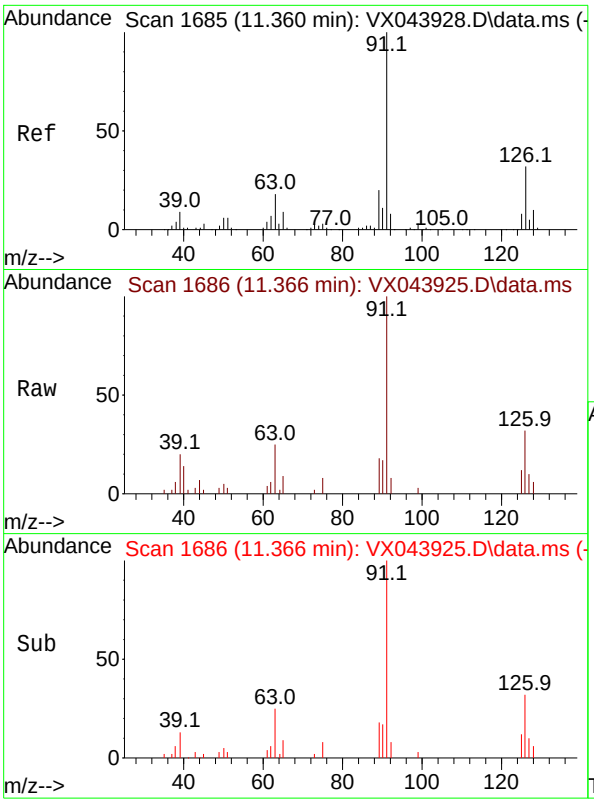


#78
n-propylbenzene
Concen: 0.854 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 91 Resp: 6810

Ion	Ratio	Lower	Upper
91	100		
120	20.6	11.5	34.4



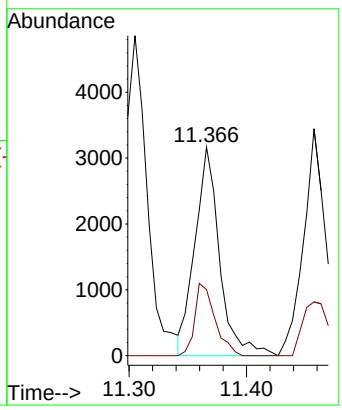


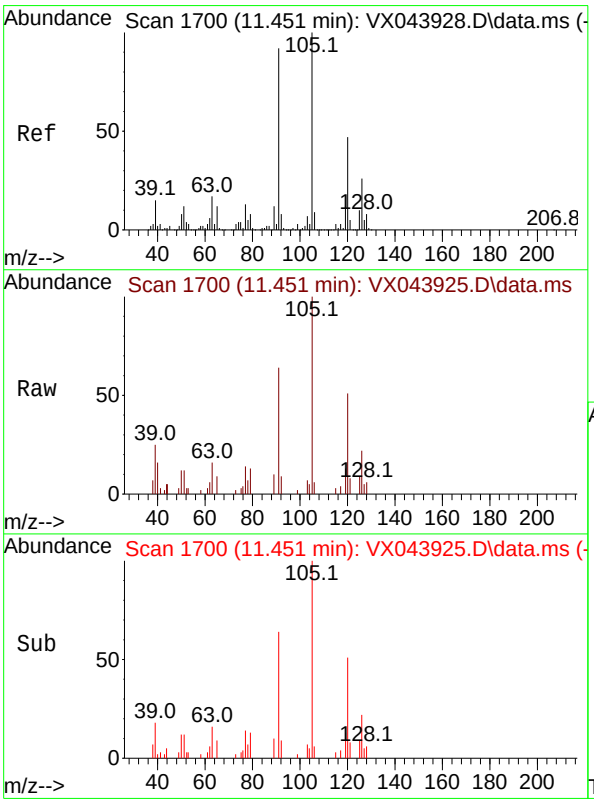
#79
2-Chlorotoluene
Concen: 0.916 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 4618

Ion	Ratio	Lower	Upper
91	100		
126	28.5	16.6	49.8

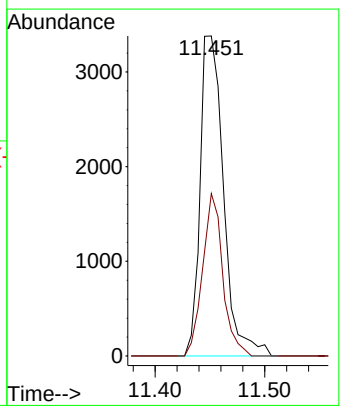


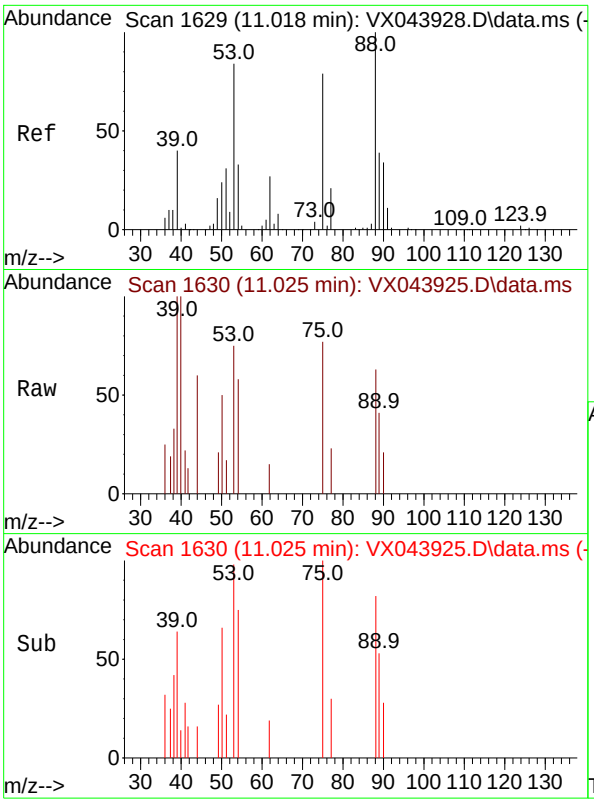


#80
1,3,5-Trimethylbenzene
Concen: 0.855 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:105 Resp: 5022

Ion	Ratio	Lower	Upper
105	100		
120	43.6	23.3	69.8



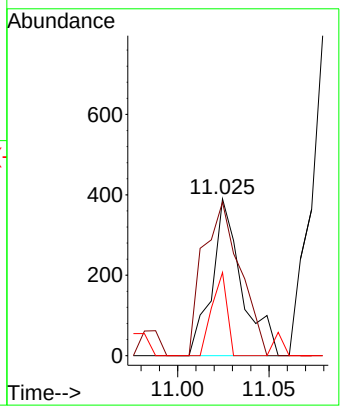


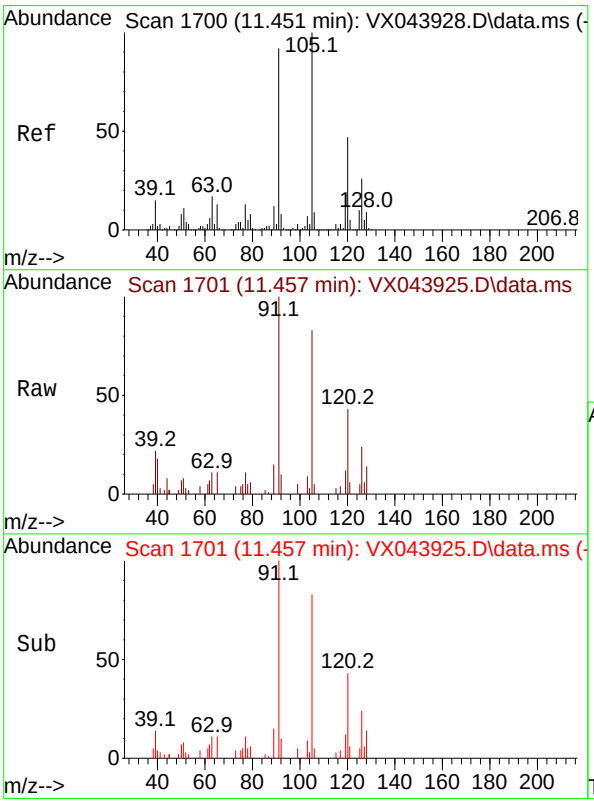
#81
trans-1,4-Dichloro-2-butene
Concen: 0.592 ug/l
RT: 11.025 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 442

Ion	Ratio	Lower	Upper
75	100		
53	122.4	86.7	130.1
89	26.9	38.2	57.2#

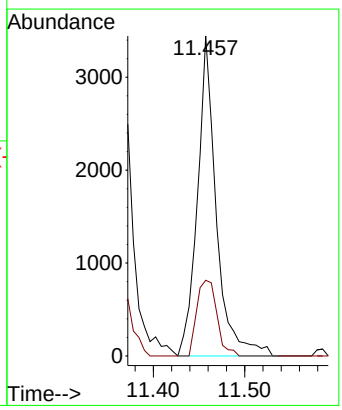


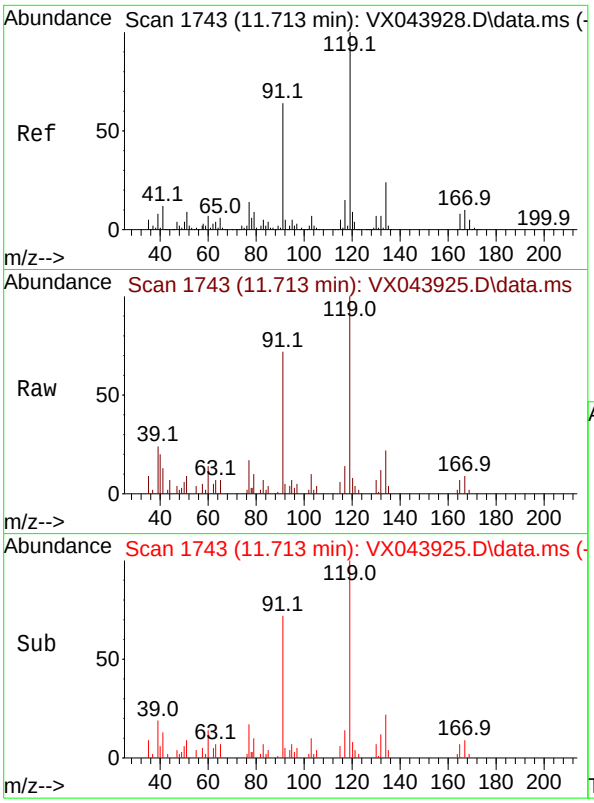


#82
4-Chlorotoluene
Concen: 0.868 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 91 Resp: 4940

Ion	Ratio	Lower	Upper
91	100		
126	25.2	14.3	42.9



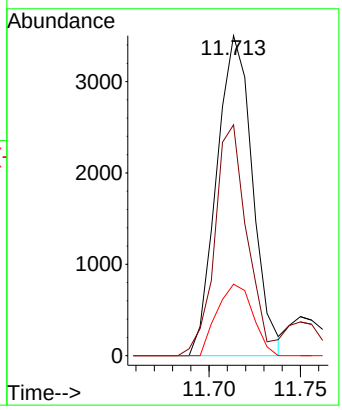


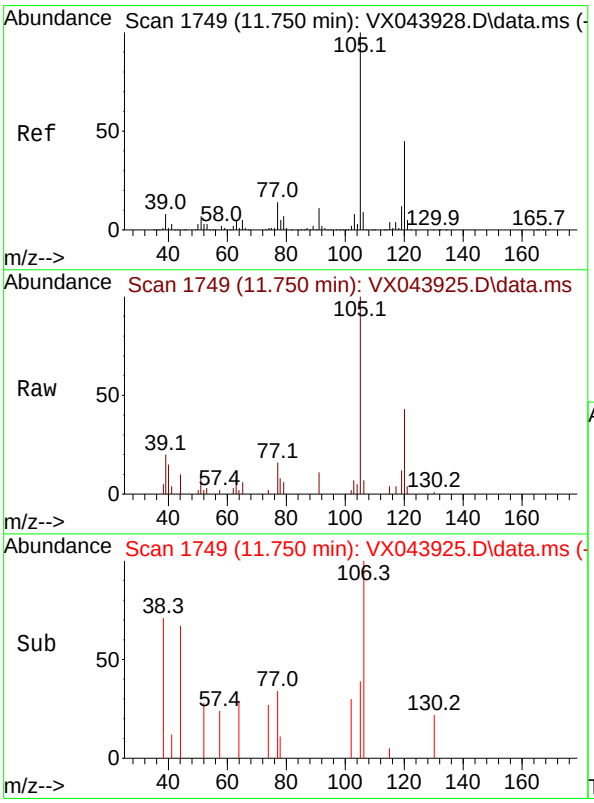
#83
tert-Butylbenzene
Concen: 0.824 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 4794

Ion	Ratio	Lower	Upper
119	100		
91	65.8	31.0	93.0
134	22.3	11.6	34.8

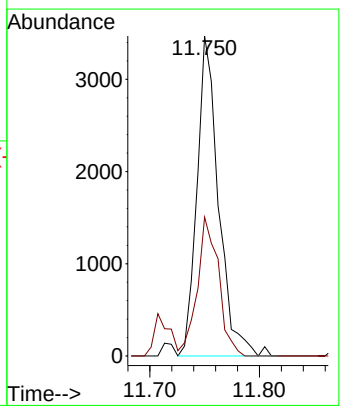


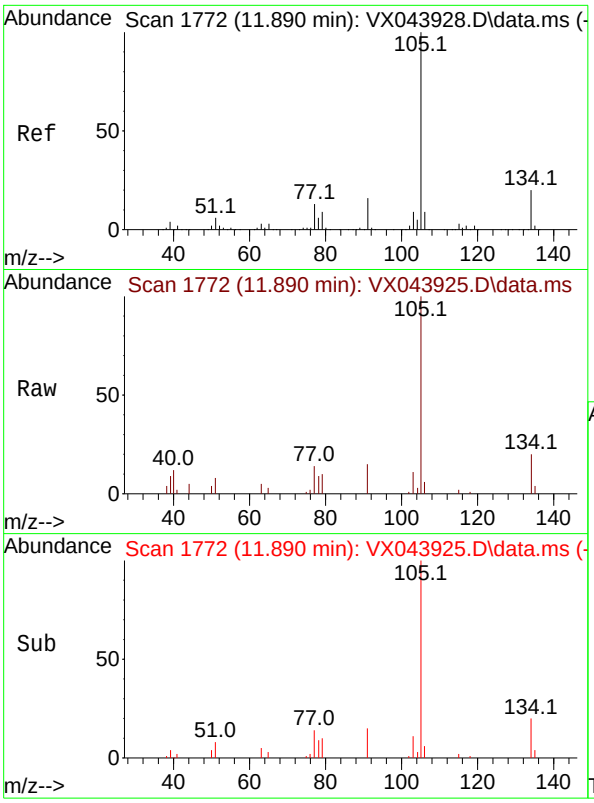


#84
1,2,4-Trimethylbenzene
Concen: 0.812 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:105 Resp: 4748

Ion	Ratio	Lower	Upper
105	100		
120	42.8	21.9	65.7



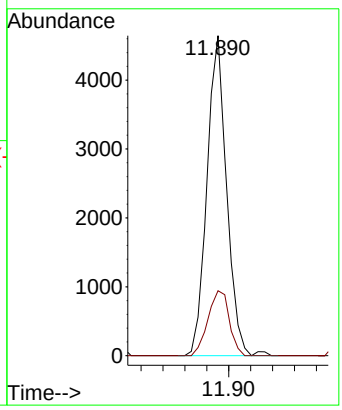


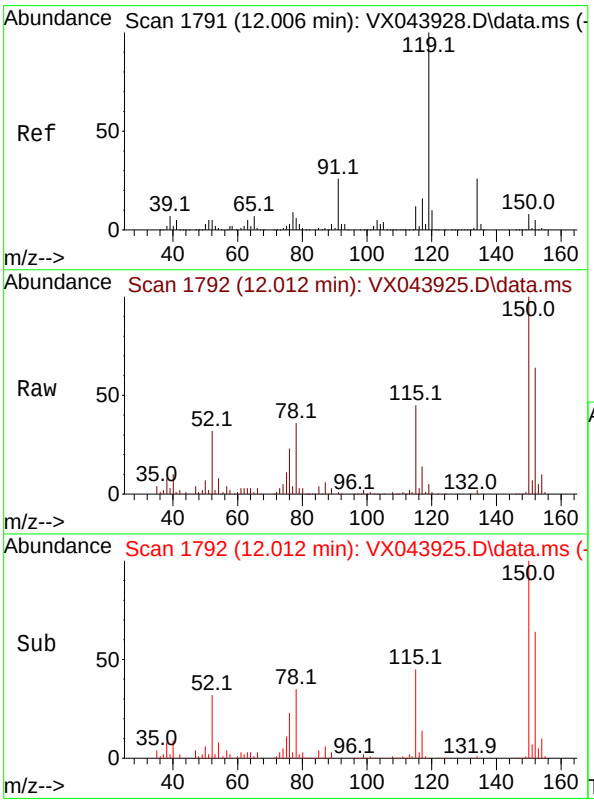
#85
sec-Butylbenzene
Concen: 0.812 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 5787

Ion	Ratio	Lower	Upper
105	100		
134	22.0	9.7	29.1

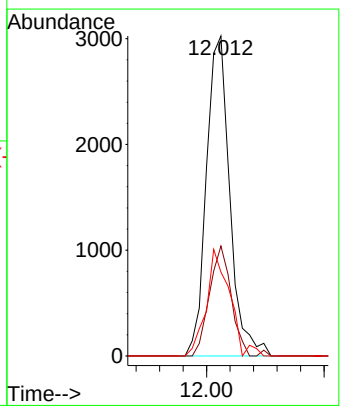


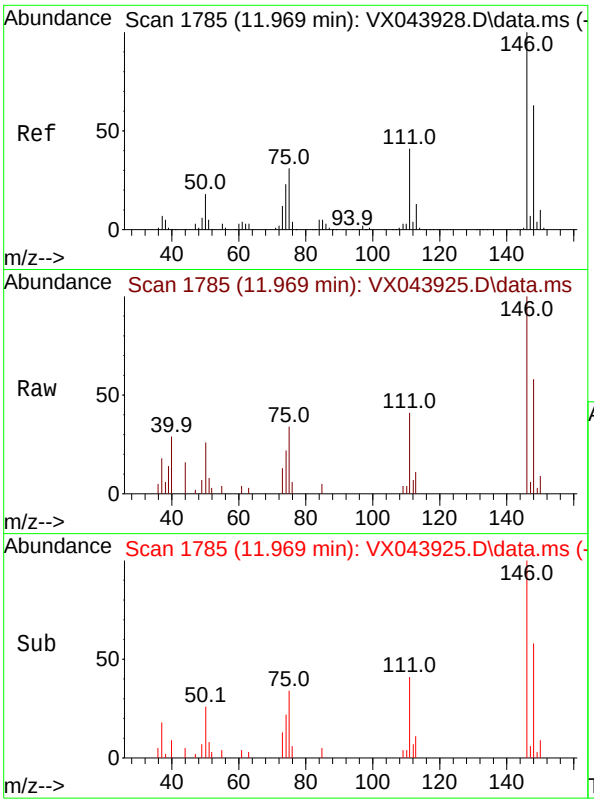


#86
p-Isopropyltoluene
Concen: 0.723 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:119 Resp: 4187

Ion	Ratio	Lower	Upper
119	100		
134	31.8	13.0	38.9
91	33.2	13.0	38.9



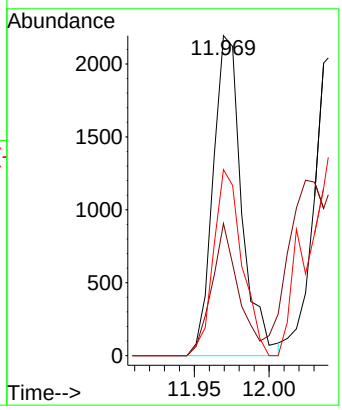


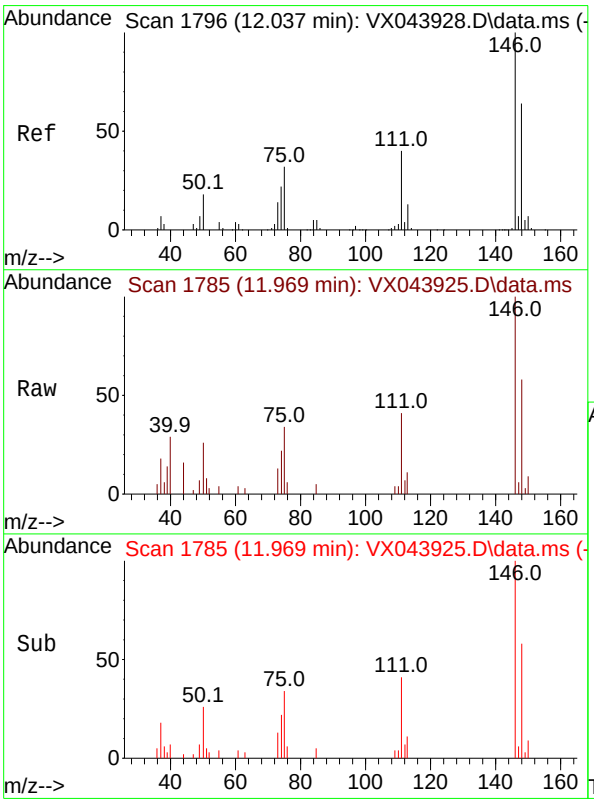
#87
1,3-Dichlorobenzene
Concen: 0.946 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 2934

Ion	Ratio	Lower	Upper
146	100		
111	38.3	21.1	63.3
148	57.6	31.7	95.1

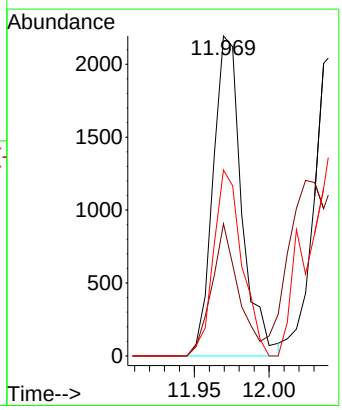


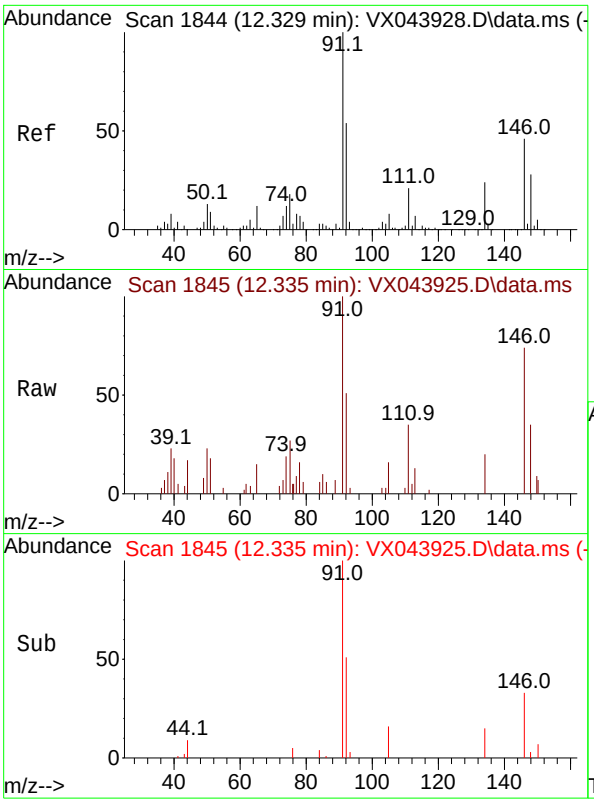


#88
1,4-Dichlorobenzene
Concen: 0.932 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.067 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:146 Resp: 2934

Ion	Ratio	Lower	Upper
146	100		
111	38.3	20.1	60.3
148	57.6	30.9	92.8



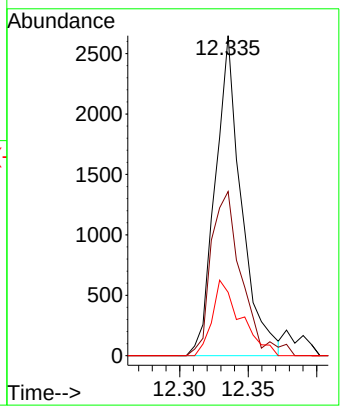


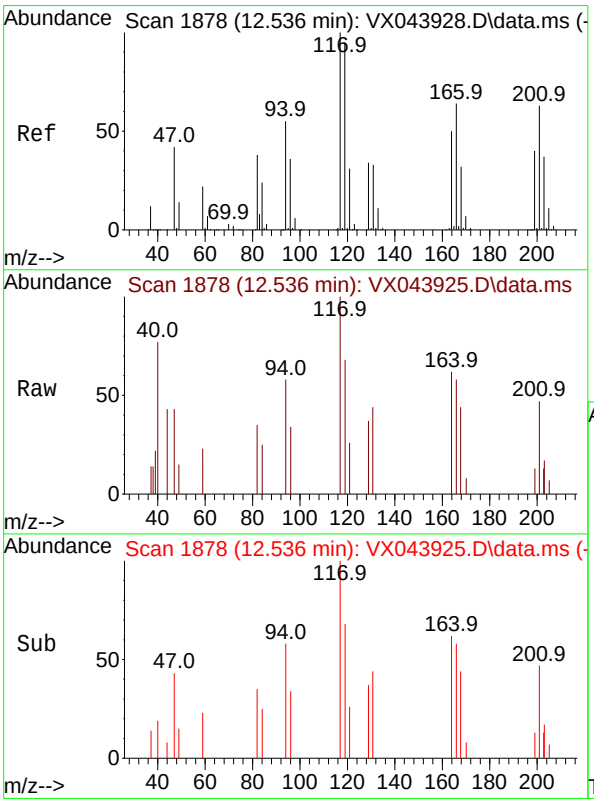
#89
n-Butylbenzene
Concen: 0.690 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 3522

Ion	Ratio	Lower	Upper
91	100		
92	59.8	26.6	79.8
134	25.8	12.4	37.2

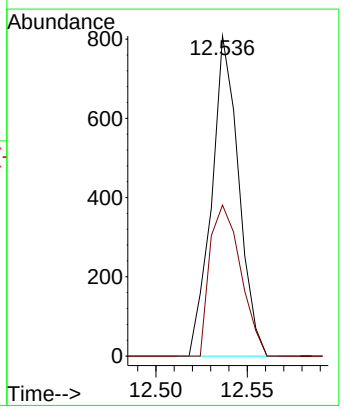


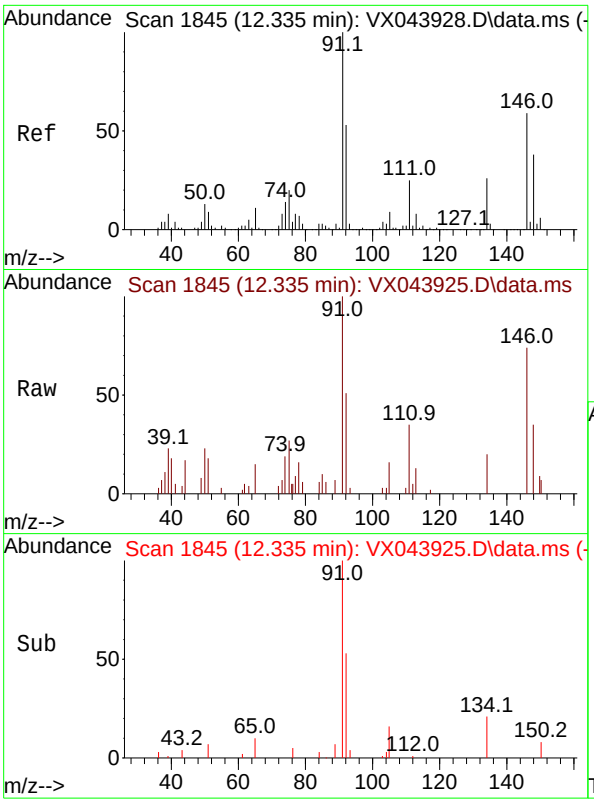


#90
Hexachloroethane
Concen: 0.848 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:117 Resp: 835

Ion	Ratio	Lower	Upper
117	100		
201	53.7	32.4	97.0



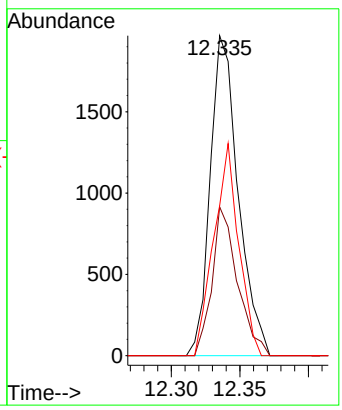


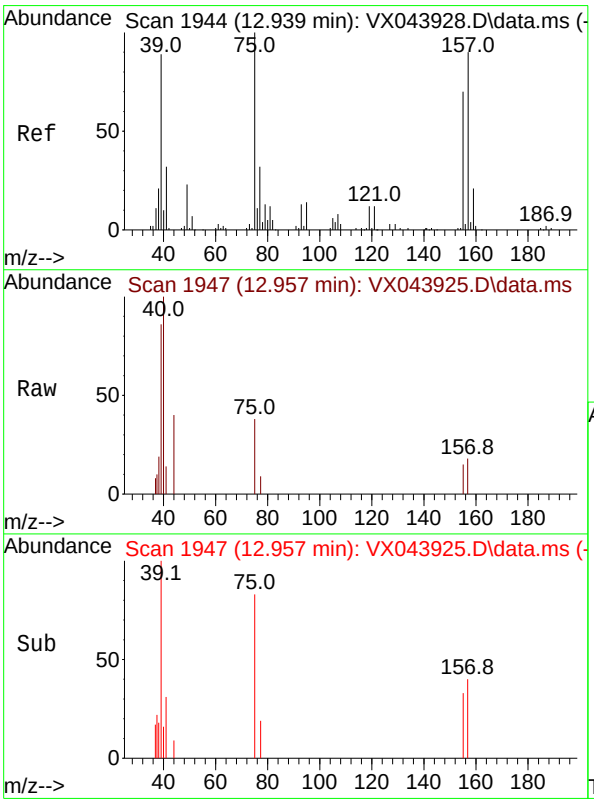
#91
1,2-Dichlorobenzene
Concen: 0.893 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 2796

Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.5	64.5
148	58.8	31.9	95.5

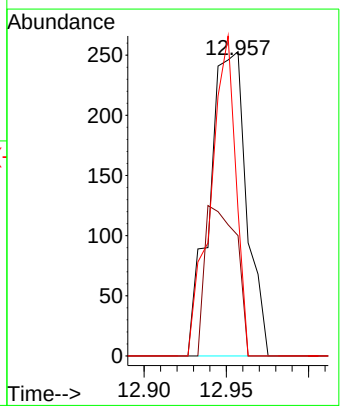


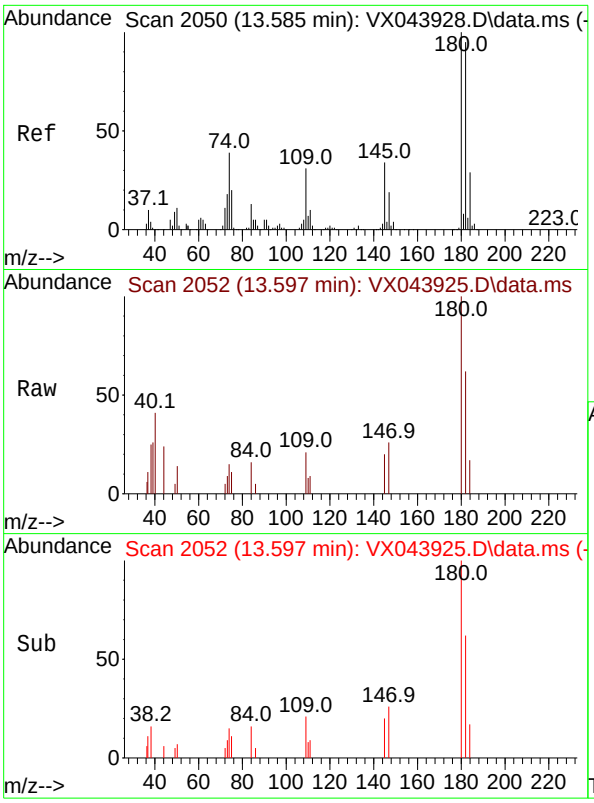


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.807 ug/l
RT: 12.957 min Scan# 1947
Delta R.T. 0.018 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 75 Resp: 395

Ion	Ratio	Lower	Upper
75	100		
155	42.0	40.1	120.2
157	71.6	49.6	149.0



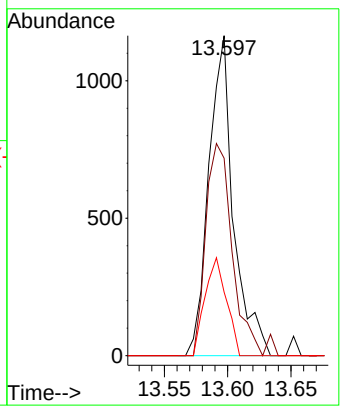


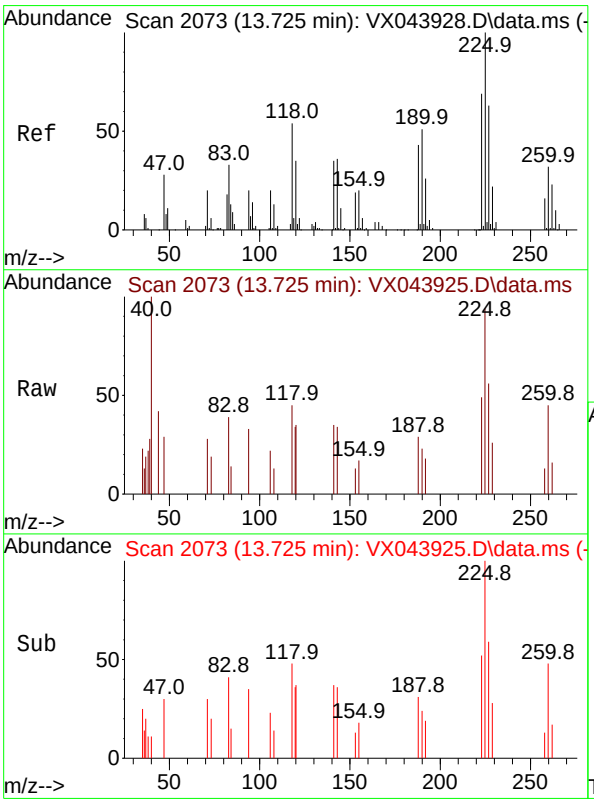
#93
1,2,4-Trichlorobenzene
Concen: 0.854 ug/l
RT: 13.597 min Scan# 2
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:180 Resp: 1576

Ion	Ratio	Lower	Upper
180	100		
182	70.6	48.0	144.2
145	26.6	16.8	50.4

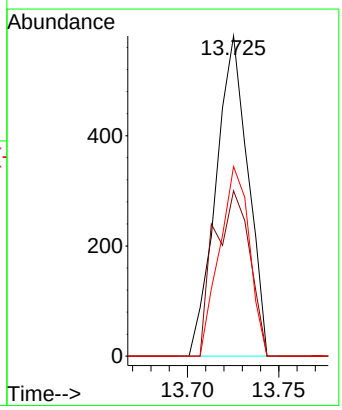


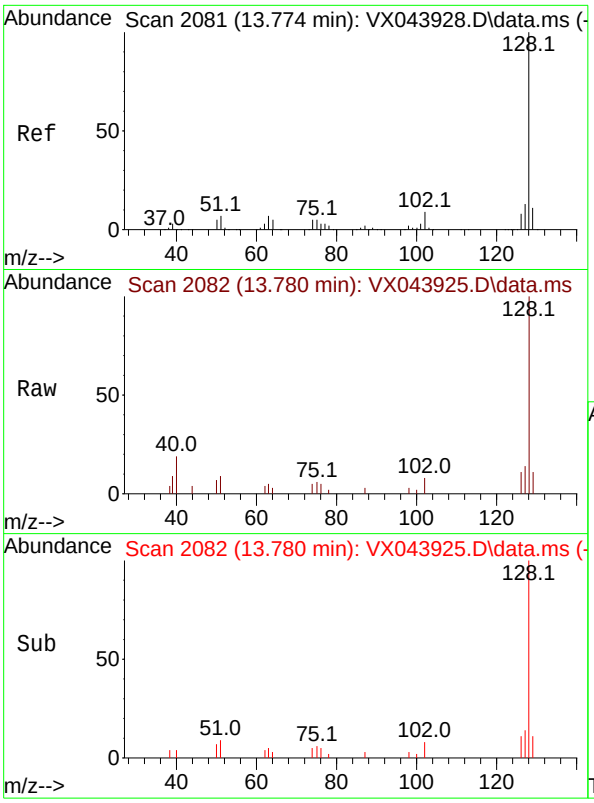


#94
Hexachlorobutadiene
Concen: 0.972 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:225 Resp: 709

Ion	Ratio	Lower	Upper
225	100		
223	57.1	32.9	98.6
227	55.3	31.6	94.8



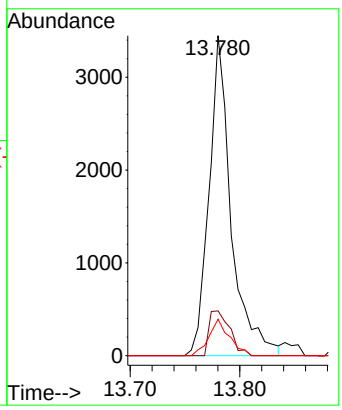


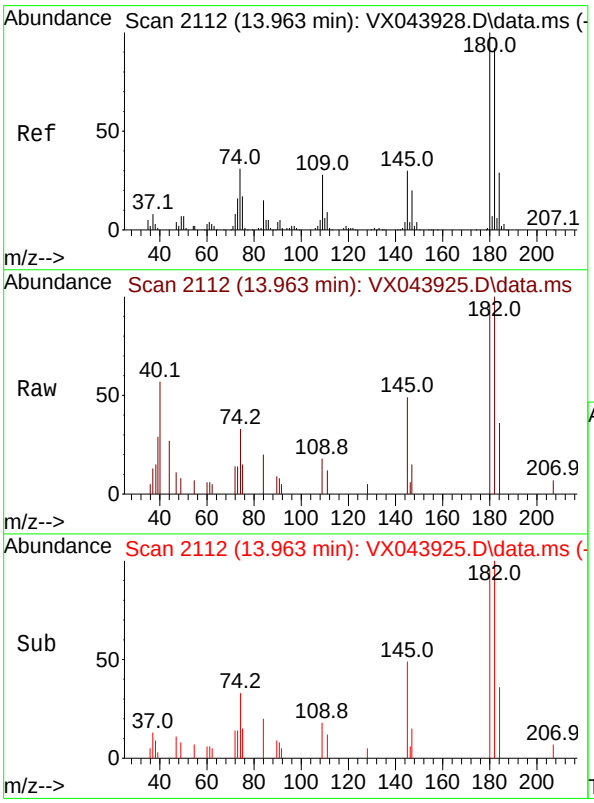
#95
Naphthalene
Concen: 0.728 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:128 Resp: 4837

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	10.6	8.6	12.8

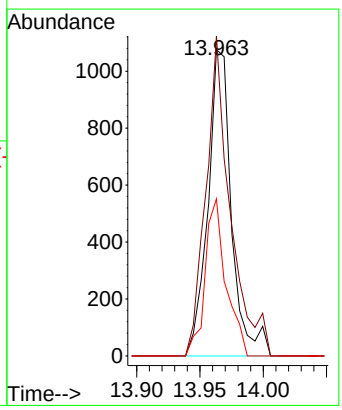




#96
1,2,3-Trichlorobenzene
Concen: 0.749 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:180 Resp: 1398

Ion	Ratio	Lower	Upper
180	100		
182	107.8	45.6	136.8
145	45.3	16.4	49.4



Quantitation Report (Not Reviewed)

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

Quant Time: Nov 22 03:28:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 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	4.997	ug/l	87
3) Chloromethane	1.294	50	9980	4.965	ug/l	98
4) Vinyl Chloride	1.373	62	10682	4.996	ug/l	100
5) Bromomethane	1.593	94	6415	4.877	ug/l	90
6) Chloroethane	1.666	64	6474	4.969	ug/l	99
7) Trichlorofluoromethane	1.867	101	19099	4.996	ug/l	91
8) Diethyl Ether	2.129	74	6480	4.651	ug/l	88
9) 1,1,2-Trichlorotrifluo...	2.318	101	8824	4.839	ug/l	98
10) Methyl Iodide	2.440	142	9897	4.346	ug/l	98
11) Tert butyl alcohol	2.995	59	8556	20.610	ug/l	98
12) 1,1-Dichloroethene	2.306	96	7987	4.597	ug/l	87
13) Acrolein	2.239	56	11940	27.287	ug/l	97
14) Allyl chloride	2.654	41	12874	4.534	ug/l	96
15) Acrylonitrile	3.062	53	24290	24.010	ug/l	99
16) Acetone	2.385	43	29886	25.159	ug/l	95
17) Carbon Disulfide	2.495	76	14415	4.022	ug/l #	94
18) Methyl Acetate	2.702	43	13127	4.745	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	30022	4.759	ug/l #	88
20) Methylene Chloride	2.782	84	9895	4.909	ug/l	95
21) trans-1,2-Dichloroethene	3.080	96	8486	4.730	ug/l #	80
22) Diisopropyl ether	3.757	45	29102	4.794	ug/l #	65
23) Vinyl Acetate	3.721	43	116242	22.382	ug/l	100
24) 1,1-Dichloroethane	3.599	63	16857	4.813	ug/l	98
25) 2-Butanone	4.568	43	36680	23.931	ug/l	96
26) 2,2-Dichloropropane	4.458	77	15040	4.755	ug/l #	76
27) cis-1,2-Dichloroethene	4.477	96	10153	4.579	ug/l	96
28) Bromochloromethane	4.891	49	9210	5.974	ug/l	100
29) Tetrahydrofuran	5.007	42	23518	25.028	ug/l	96
30) Chloroform	5.086	83	18661	4.954	ug/l	97
31) Cyclohexane	5.458	56	13740	4.767	ug/l #	85
32) 1,1,1-Trichloroethane	5.379	97	15162	4.667	ug/l	96
36) 1,1-Dichloropropene	5.690	75	11406	4.834	ug/l	97
37) Ethyl Acetate	4.720	43	12177	4.158	ug/l #	94
38) Carbon Tetrachloride	5.665	117	12348	4.658	ug/l	97
39) Methylcyclohexane	7.372	83	14721	4.803	ug/l	95
40) Benzene	6.031	78	36283	4.937	ug/l	94

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

Quant Time: Nov 22 03:28:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.928	41	7355	4.907 ug/l #	95
42) 1,2-Dichloroethane	6.080	62	14467	4.901 ug/l	99
43) Isopropyl Acetate	6.348	43	22267	4.777 ug/l	99
44) Trichloroethene	7.128	130	9852	4.736 ug/l	92
45) 1,2-Dichloropropane	7.427	63	8525	4.736 ug/l	91
46) Dibromomethane	7.586	93	6372	4.475 ug/l	93
47) Bromodichloromethane	7.823	83	11249	4.405 ug/l	96
48) Methyl methacrylate	7.695	41	10190	4.556 ug/l	95
49) 1,4-Dioxane	7.677	88	3056	79.255 ug/l #	70
51) 4-Methyl-2-Pentanone	8.573	43	69843	24.556 ug/l	97
52) Toluene	8.714	92	22218	5.051 ug/l	96
53) t-1,3-Dichloropropene	8.982	75	10937	4.200 ug/l	94
54) cis-1,3-Dichloropropene	8.366	75	12253	4.292 ug/l	94
55) 1,1,2-Trichloroethane	9.152	97	9000	4.957 ug/l	94
56) Ethyl methacrylate	9.116	69	12381	4.378 ug/l	96
57) 1,3-Dichloropropane	9.311	76	15211	4.973 ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	43351	27.673 ug/l	100
59) 2-Hexanone	9.433	43	52072	24.357 ug/l	100
60) Dibromochloromethane	9.518	129	7738	4.247 ug/l	99
61) 1,2-Dibromoethane	9.610	107	8985	4.894 ug/l	98
64) Tetrachloroethene	9.274	164	7642	5.185 ug/l	93
65) Chlorobenzene	10.079	112	24792	5.050 ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.158	131	7421	4.661 ug/l	96
67) Ethyl Benzene	10.195	91	40927	4.920 ug/l	95
68) m/p-Xylenes	10.305	106	29635	9.553 ug/l	99
69) o-Xylene	10.640	106	14856	4.905 ug/l	98
70) Styrene	10.658	104	22907	4.573 ug/l	97
71) Bromoform	10.799	173	4476	5.004 ug/l #	99
73) Isopropylbenzene	10.957	105	37958	5.109 ug/l	99
74) N-amyl acetate	10.841	43	15928	4.627 ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	13107	5.152 ug/l	100
76) 1,2,3-Trichloropropane	11.237	75	14721	7.062 ug/l	80
77) Bromobenzene	11.195	156	9259	5.224 ug/l	97
78) n-propylbenzene	11.305	91	39774	4.793 ug/l	98
79) 2-Chlorotoluene	11.366	91	26740	5.096 ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	30114	4.926 ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	2880	3.707 ug/l #	77
82) 4-Chlorotoluene	11.451	91	29049	4.903 ug/l	96
83) tert-Butylbenzene	11.713	119	29934	4.940 ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	30674	5.040 ug/l	97
85) sec-Butylbenzene	11.890	105	37899	5.105 ug/l	96
86) p-Isopropyltoluene	12.006	119	29412	4.878 ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	16008	4.959 ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	15837	4.831 ug/l	89
89) n-Butylbenzene	12.335	91	24938	4.691 ug/l	99
90) Hexachloroethane	12.536	117	4279	4.173 ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	16747	5.140 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	2454	4.814 ug/l	85
93) 1,2,4-Trichlorobenzene	13.591	180	8746	4.553 ug/l	98
94) Hexachlorobutadiene	13.725	225	3713	4.891 ug/l	97
95) Naphthalene	13.774	128	32485	4.698 ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	9280	4.773 ug/l	96

Quantitation Report (Not Reviewed)

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

Quant Time: Nov 22 03:28:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

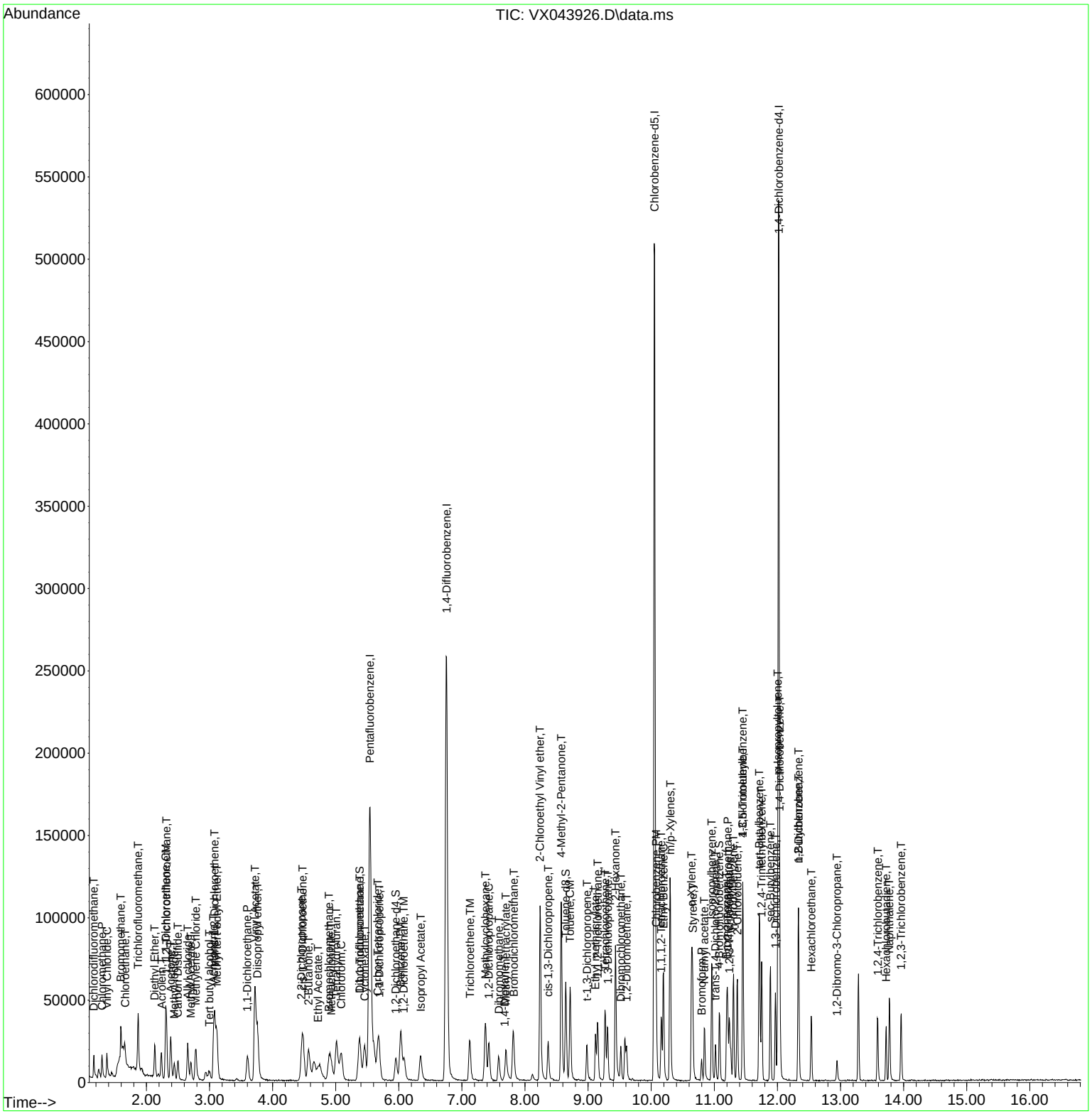
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

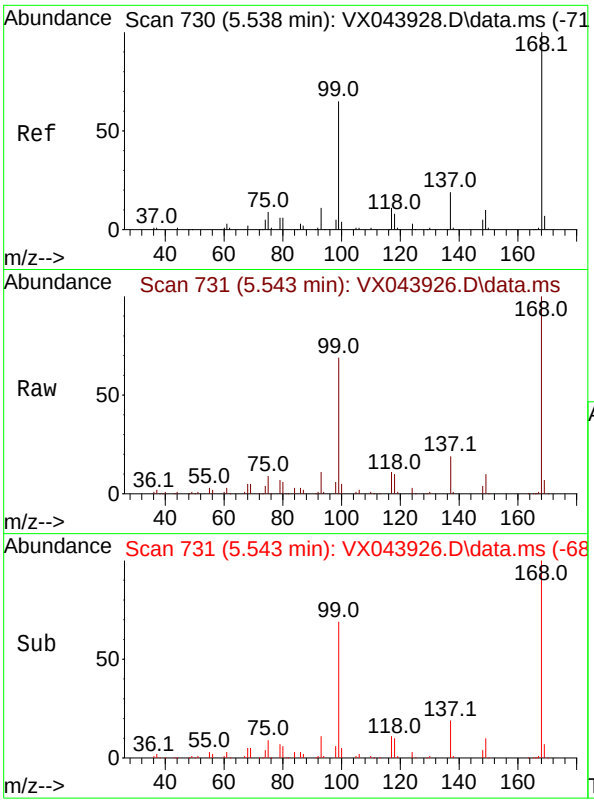
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\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

Quant Time: Nov 22 03:28:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration



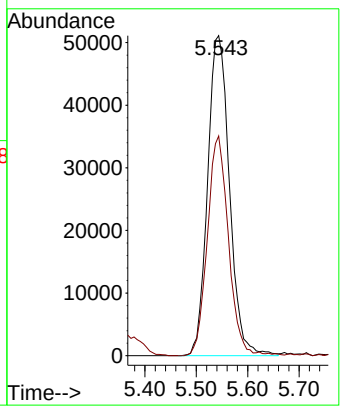


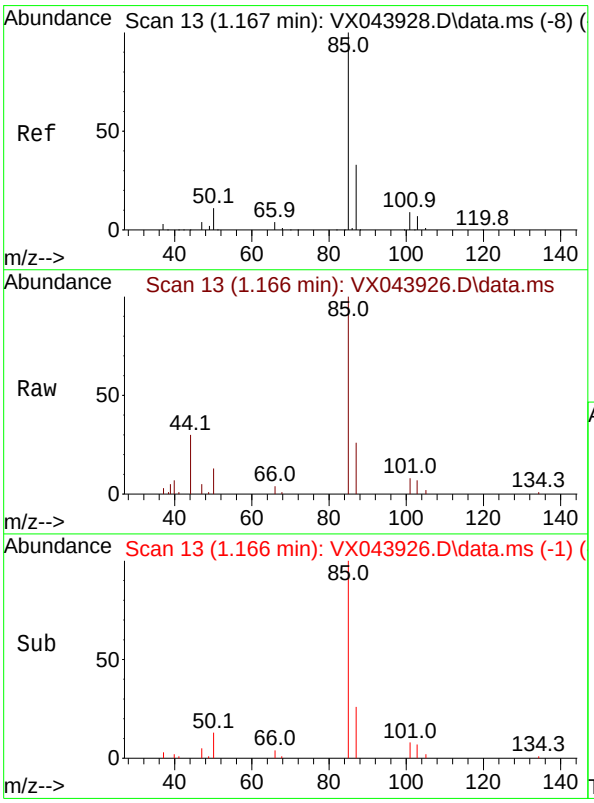
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. 0.005 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:168 Resp: 150793

Ion	Ratio	Lower	Upper
168	100		
99	68.6	51.8	77.8

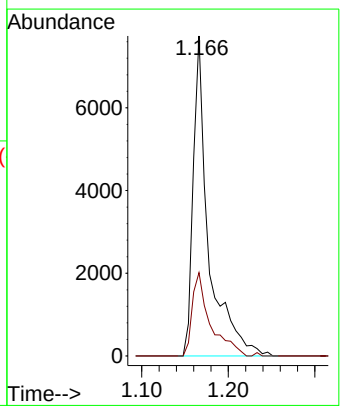


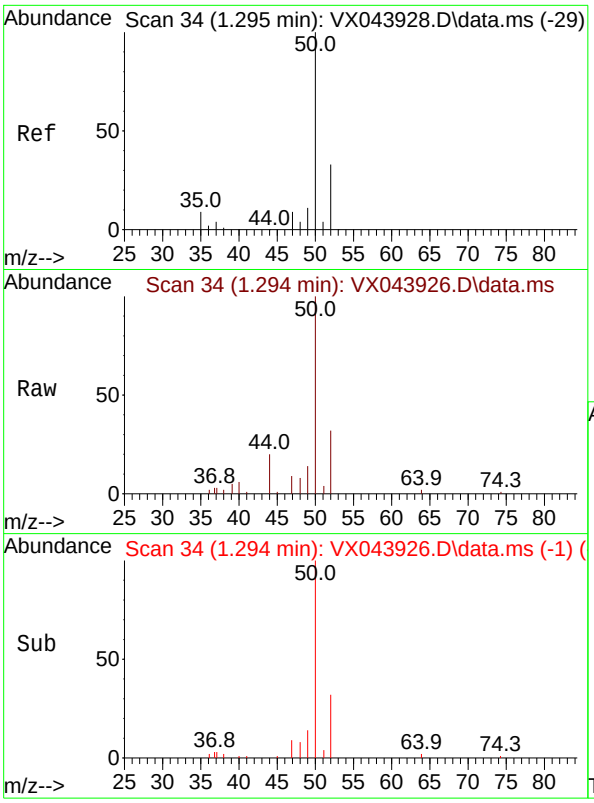


#2
Dichlorodifluoromethane
Concen: 4.997 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 85 Resp: 9545

Ion	Ratio	Lower	Upper
85	100		
87	26.0	16.6	49.8



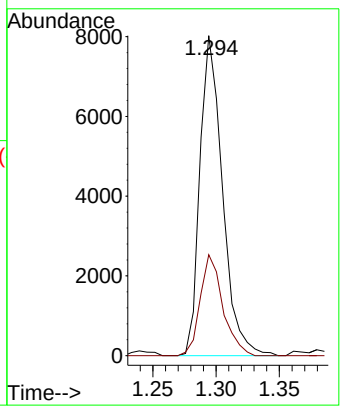


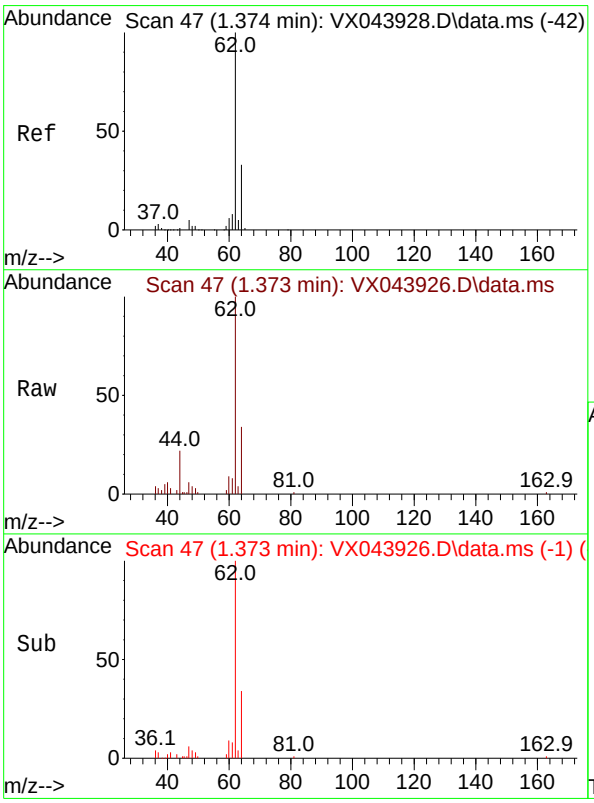
#3
Chloromethane
Concen: 4.965 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 9980

Ion	Ratio	Lower	Upper
50	100		
52	31.5	26.1	39.1

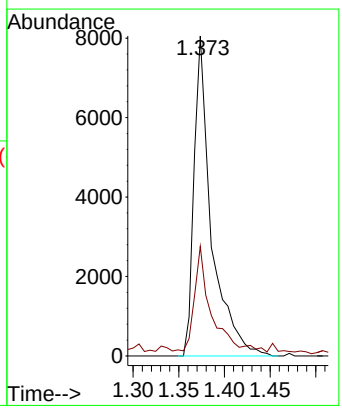


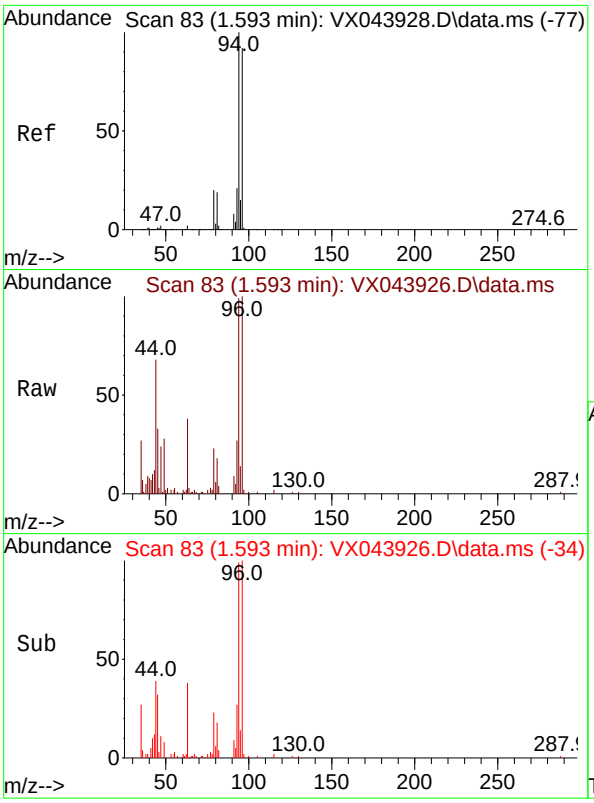


#4
Vinyl Chloride
Concen: 4.996 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 62 Resp: 10682

Ion	Ratio	Lower	Upper
62	100		
64	32.8	26.2	39.4



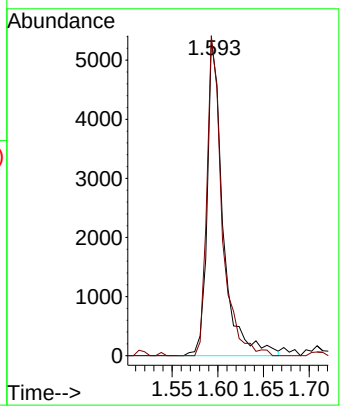


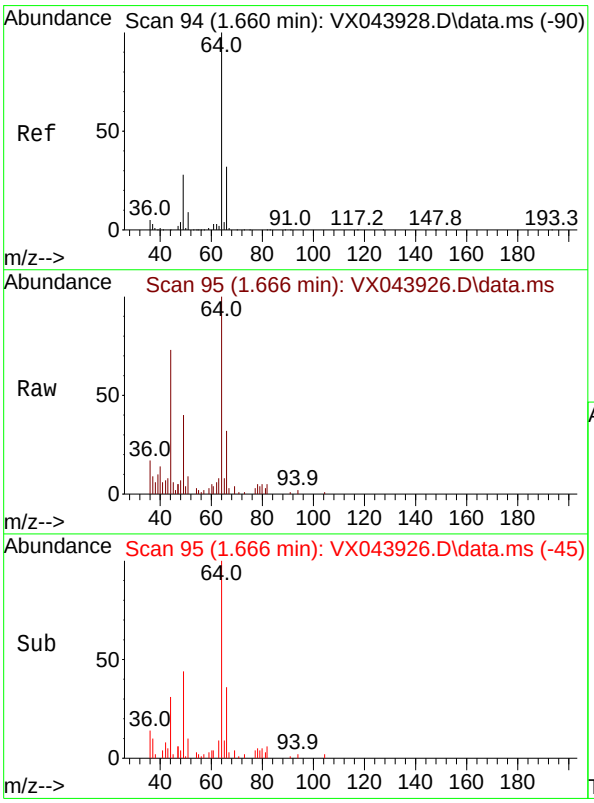
#5
Bromomethane
Concen: 4.877 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 6415

Ion	Ratio	Lower	Upper
94	100		
96	101.5	73.9	110.9

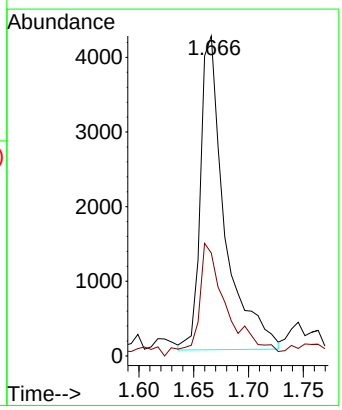


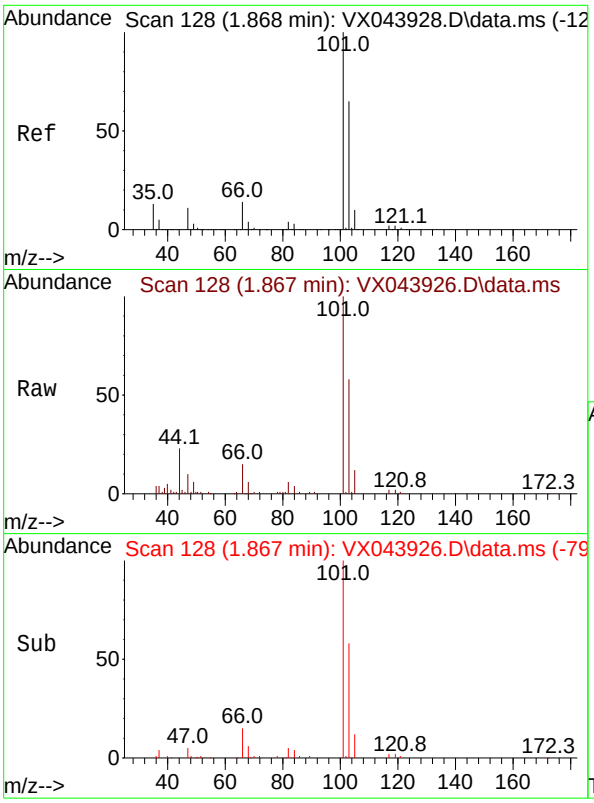


#6
Chloroethane
Concen: 4.969 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 64 Resp: 6474

Ion	Ratio	Lower	Upper
64	100		
66	31.8	25.9	38.9



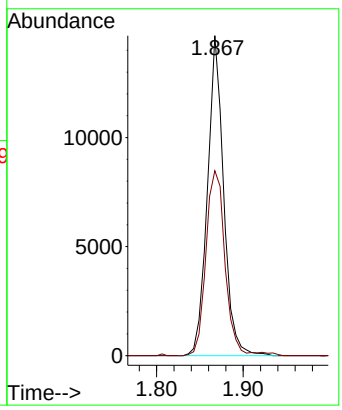


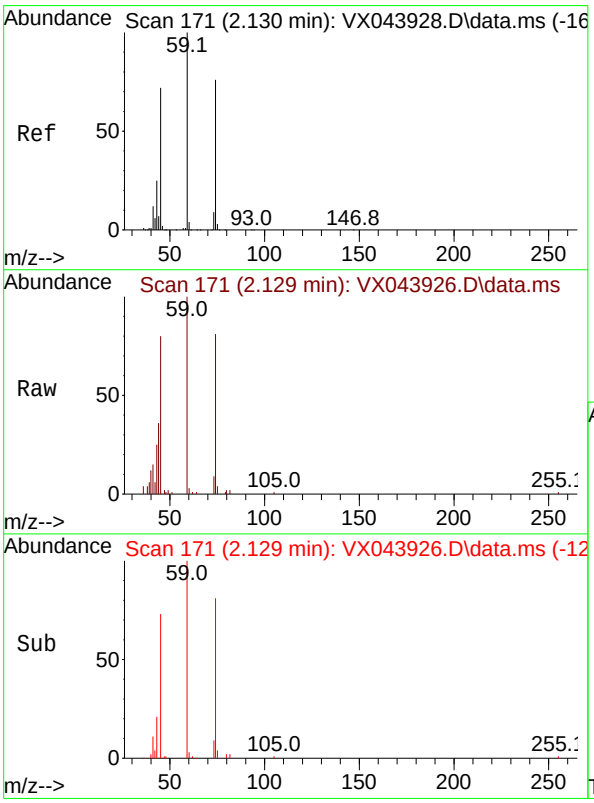
#7
Trichlorofluoromethane
Concen: 4.996 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 19099

Ion	Ratio	Lower	Upper
101	100		
103	57.8	52.2	78.2

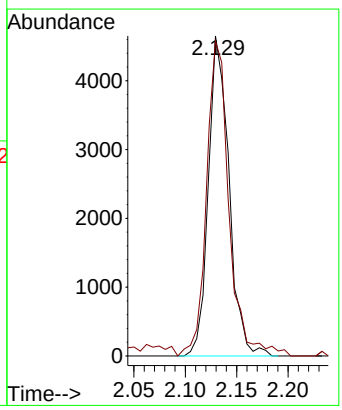


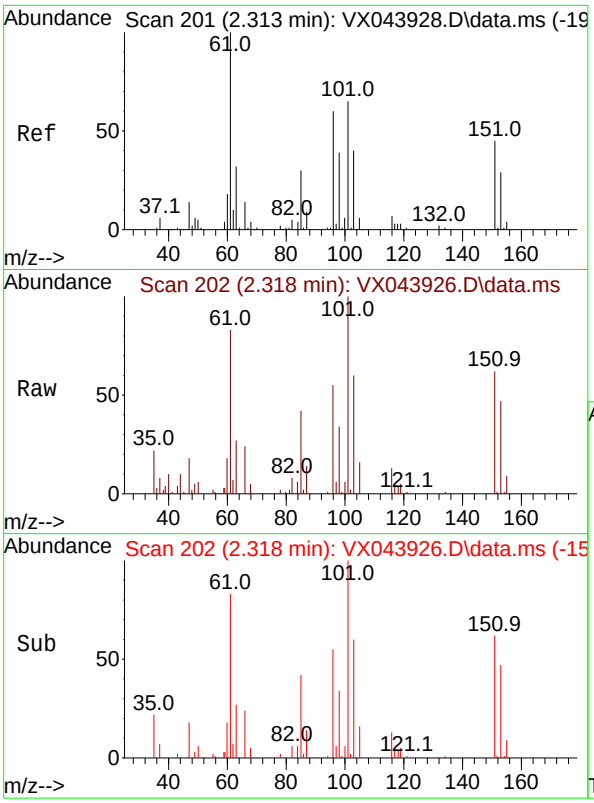


#8
Diethyl Ether
Concen: 4.651 ug/l
RT: 2.129 min Scan# 171
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 74 Resp: 6480

Ion	Ratio	Lower	Upper
74	100		
45	106.9	47.9	143.6



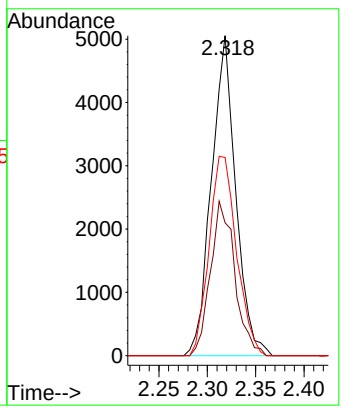


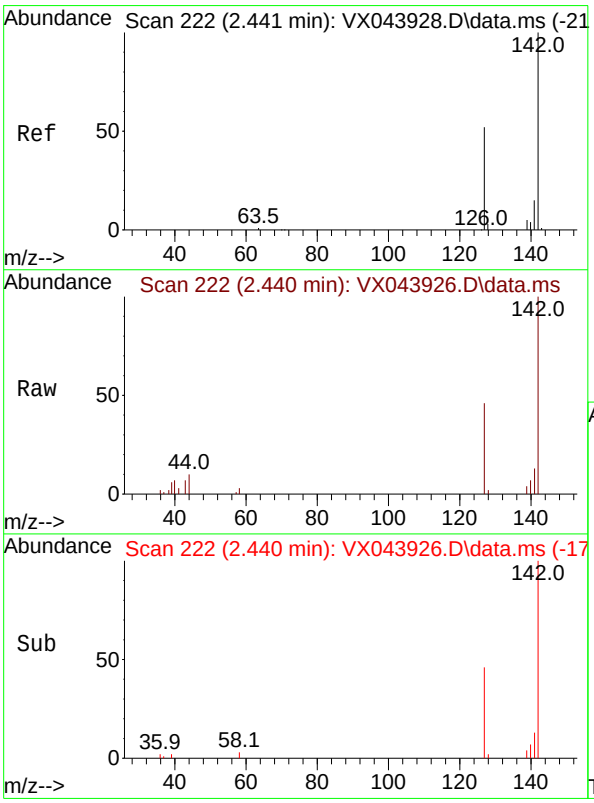
#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.839 ug/l
RT: 2.318 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 8824

Ion	Ratio	Lower	Upper
101	100		
85	48.4	37.9	56.9
151	70.3	57.5	86.3

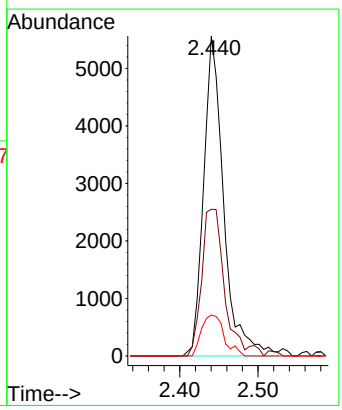


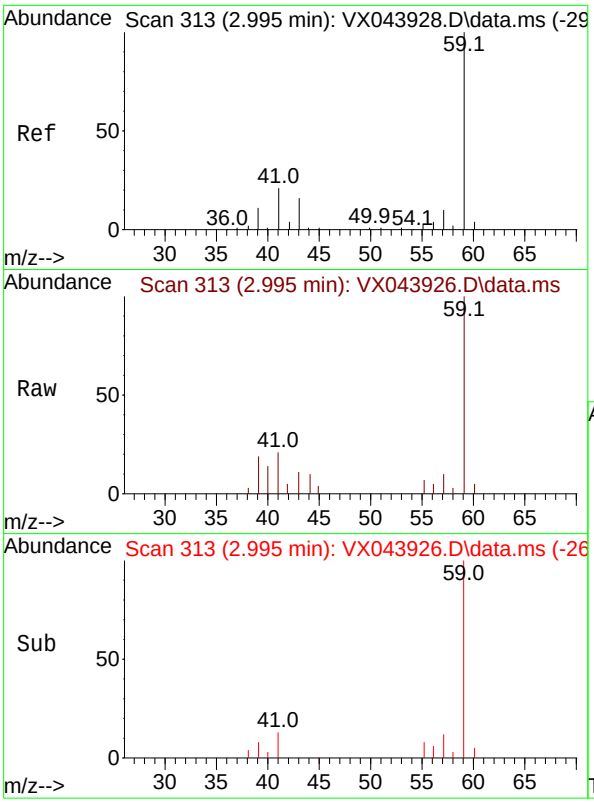


#10
Methyl Iodide
Concen: 4.346 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:142 Resp: 9897

Ion	Ratio	Lower	Upper
142	100		
127	52.4	40.7	61.1
141	14.4	12.0	18.0



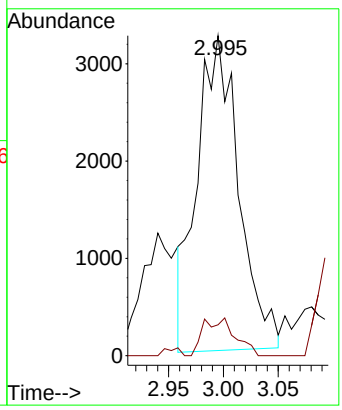


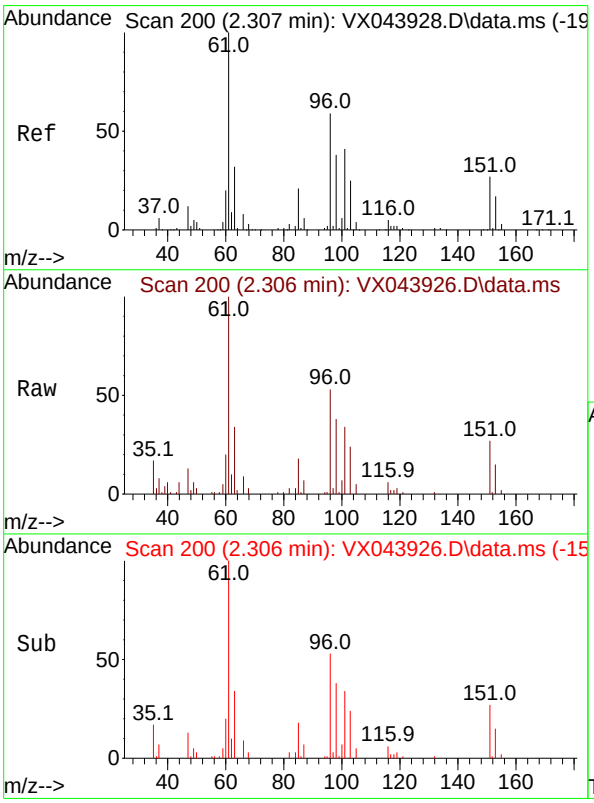
#11
Tert butyl alcohol
Concen: 20.610 ug/l
RT: 2.995 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 59 Resp: 8556

Ion	Ratio	Lower	Upper
59	100		
57	9.1	7.9	11.9

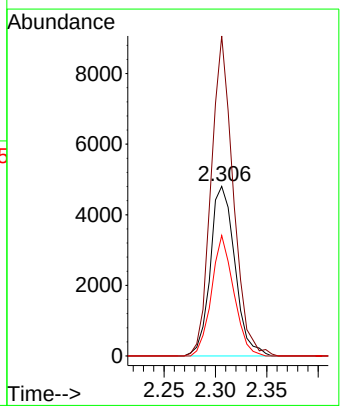


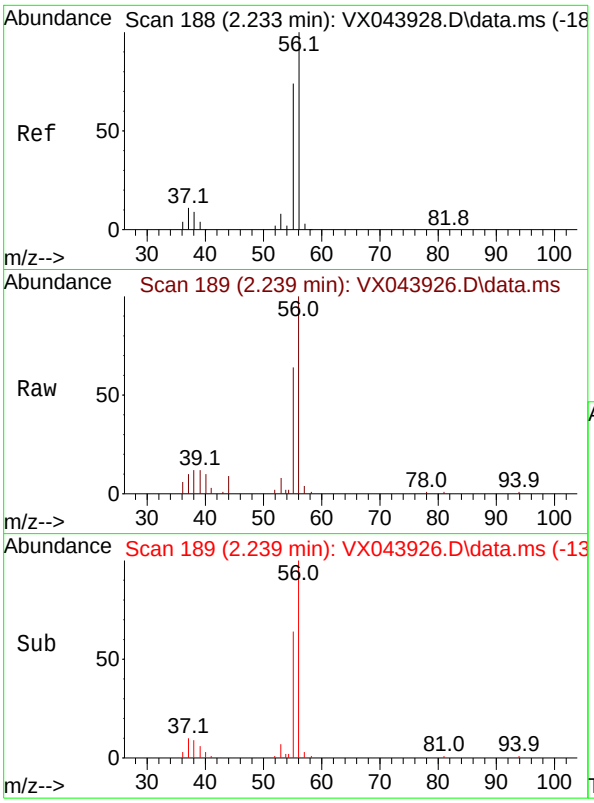


#12
1,1-Dichloroethene
Concen: 4.597 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 96 Resp: 7987

Ion	Ratio	Lower	Upper
96	100		
61	188.7	135.5	203.3
98	71.1	50.8	76.2



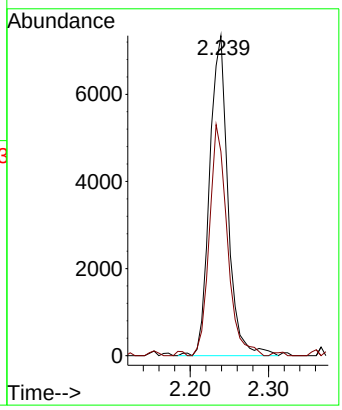


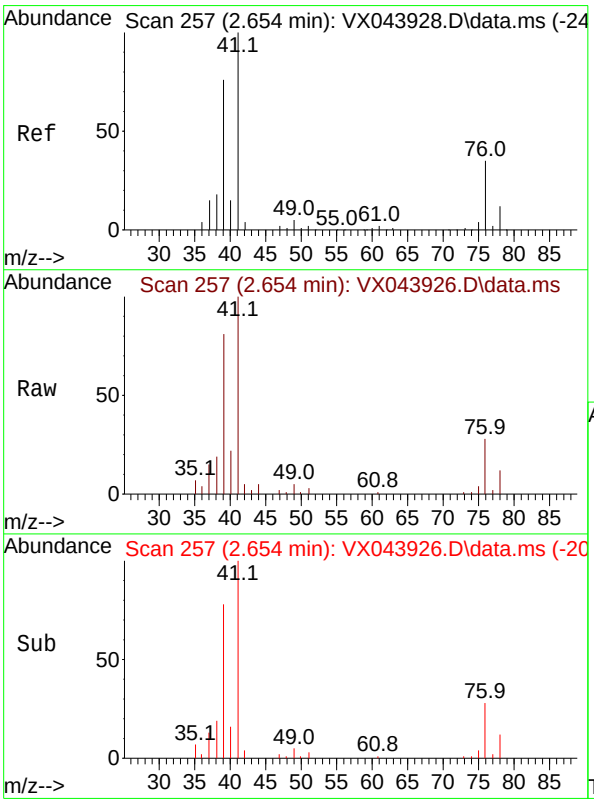
#13
Acrolein
Concen: 27.287 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 11940

Ion	Ratio	Lower	Upper
56	100		
55	70.5	58.2	87.2

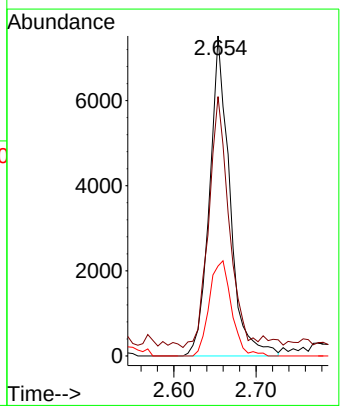


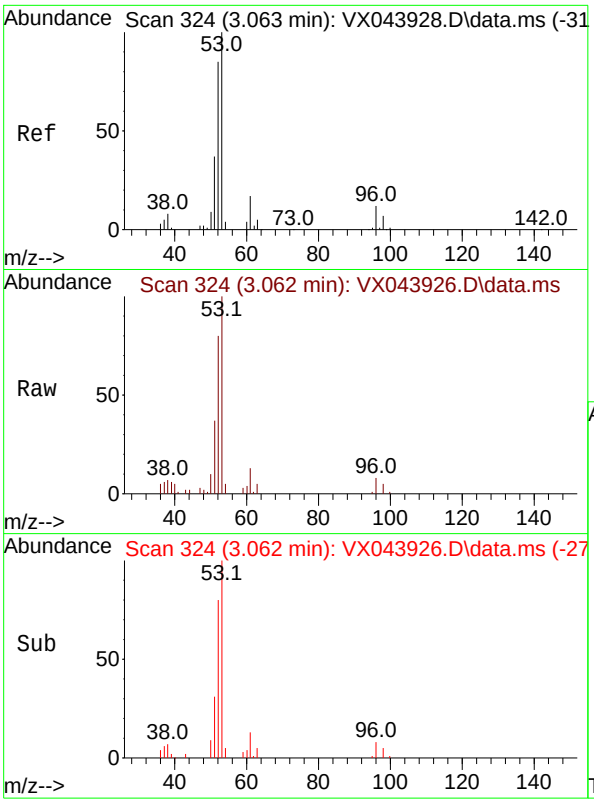


#14
Allyl chloride
Concen: 4.534 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 41 Resp: 12874

Ion	Ratio	Lower	Upper
41	100		
39	78.5	59.5	89.3
76	32.4	27.4	41.2



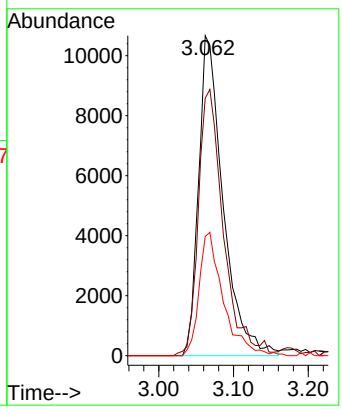


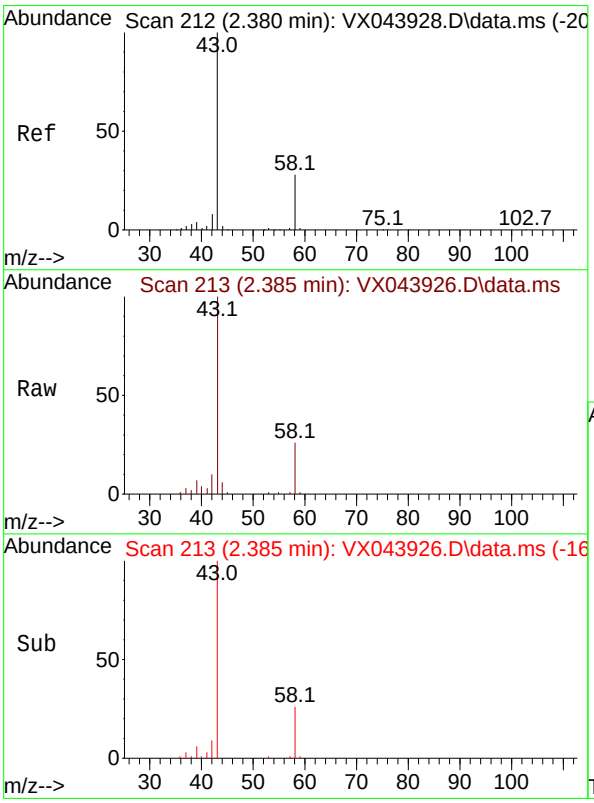
#15
Acrylonitrile
Concen: 24.010 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 53 Resp: 24290

Ion	Ratio	Lower	Upper
53	100		
52	84.7	66.5	99.7
51	38.0	30.2	45.4

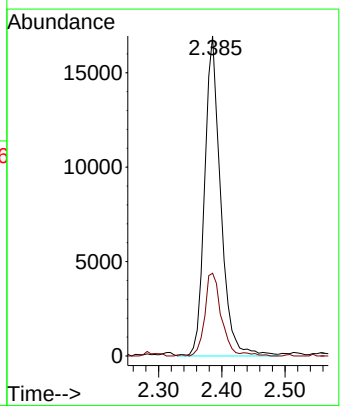


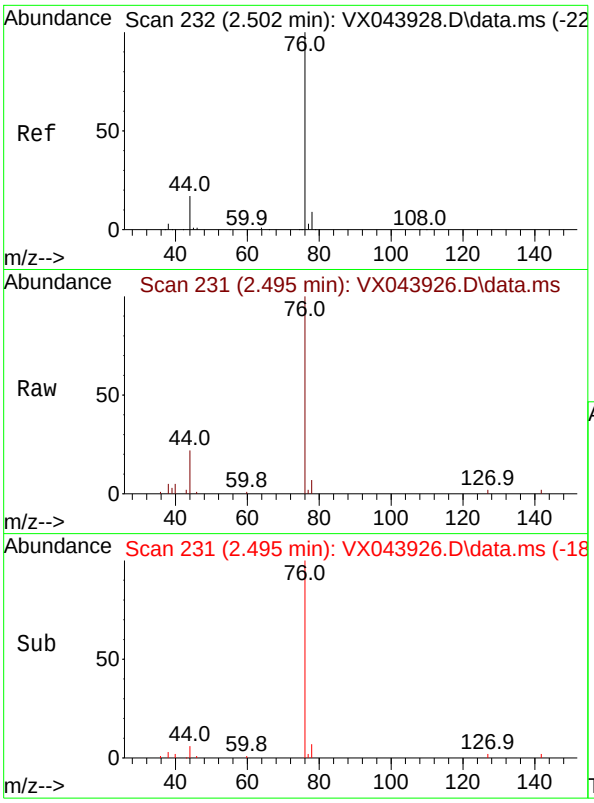


#16
Acetone
Concen: 25.159 ug/l
RT: 2.385 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 43 Resp: 29886

Ion	Ratio	Lower	Upper
43	100		
58	25.9	22.7	34.1



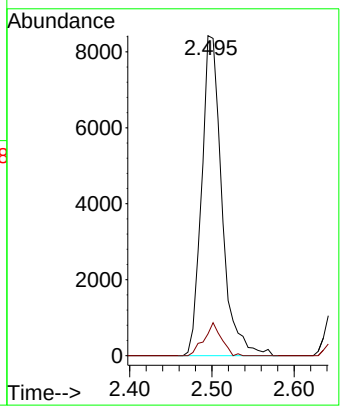


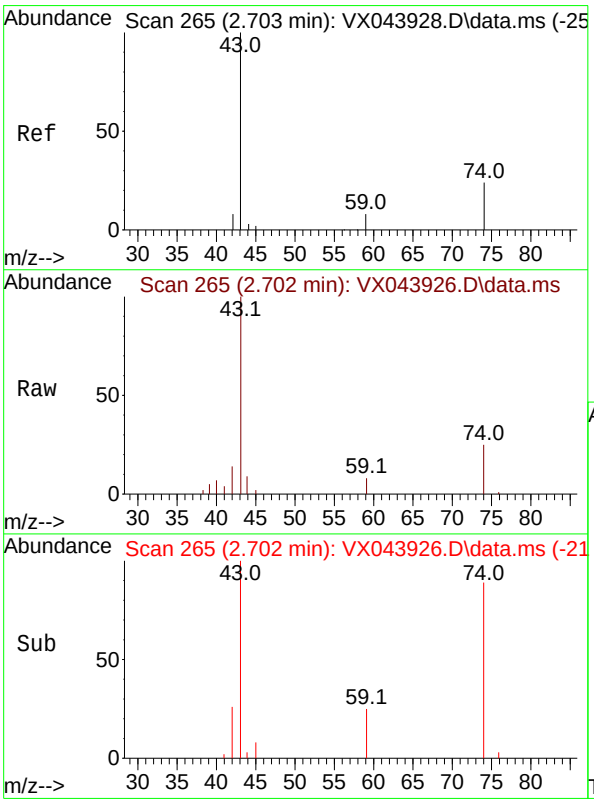
#17
Carbon Disulfide
Concen: 4.022 ug/l
RT: 2.495 min Scan# 2
Delta R.T. -0.007 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 14415

Ion	Ratio	Lower	Upper
76	100		
78	6.8	7.0	10.6#

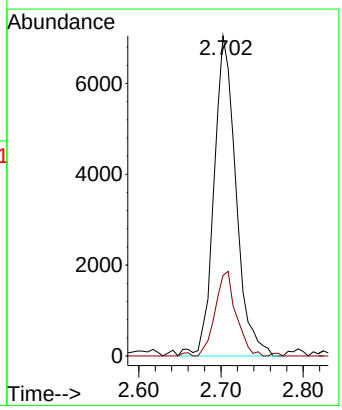


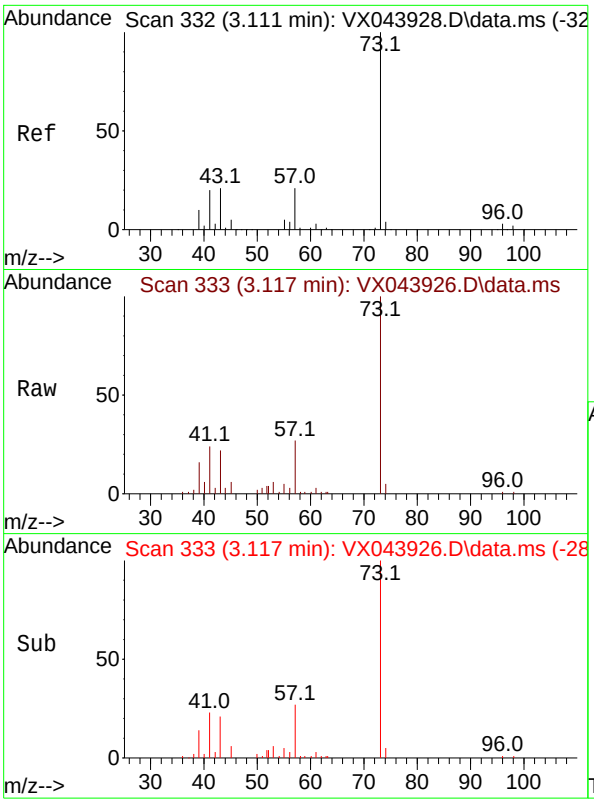


#18
Methyl Acetate
Concen: 4.745 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 43 Resp: 13127

Ion	Ratio	Lower	Upper
43	100		
74	25.0	18.9	28.3



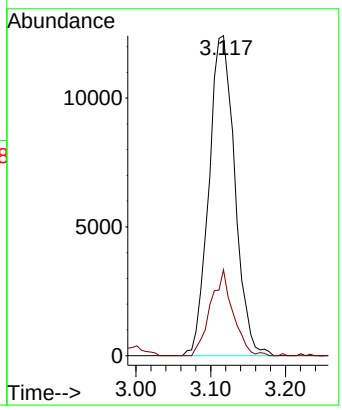


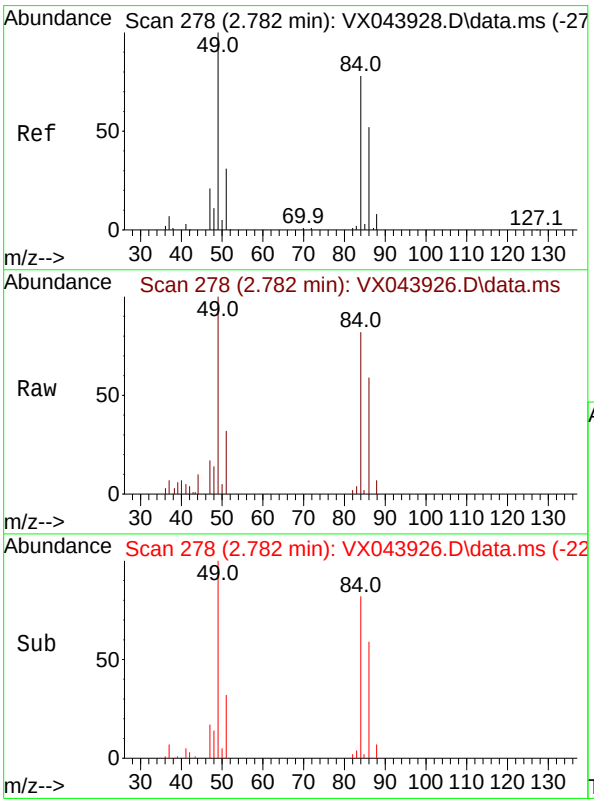
#19
Methyl tert-butyl Ether
Concen: 4.759 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 73 Resp: 30022

Ion	Ratio	Lower	Upper
73	100		
57	26.8	17.0	25.6#

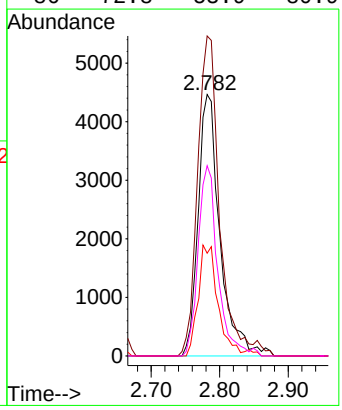


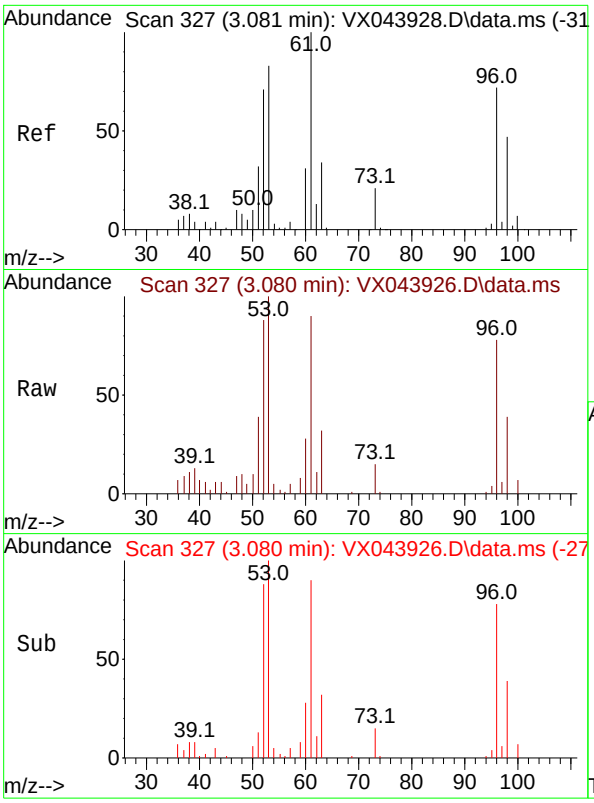


#20
Methylene Chloride
Concen: 4.909 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 84 Resp: 9895

Ion	Ratio	Lower	Upper
84	100		
49	122.4	102.7	154.1
51	39.3	31.7	47.5
86	72.8	53.9	80.9



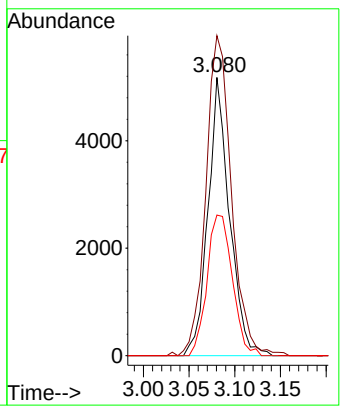


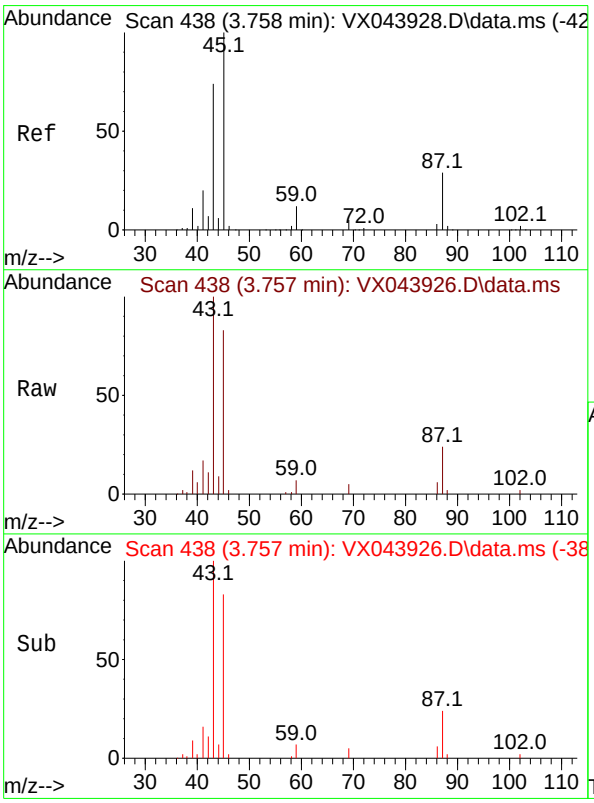
#21
trans-1,2-Dichloroethene
Concen: 4.730 ug/l
RT: 3.080 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 8486

Ion	Ratio	Lower	Upper
96	100		
61	115.0	111.8	167.6
98	50.6	52.7	79.1#

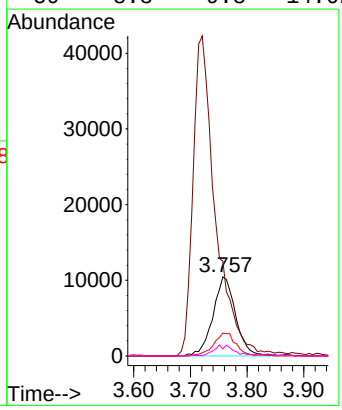


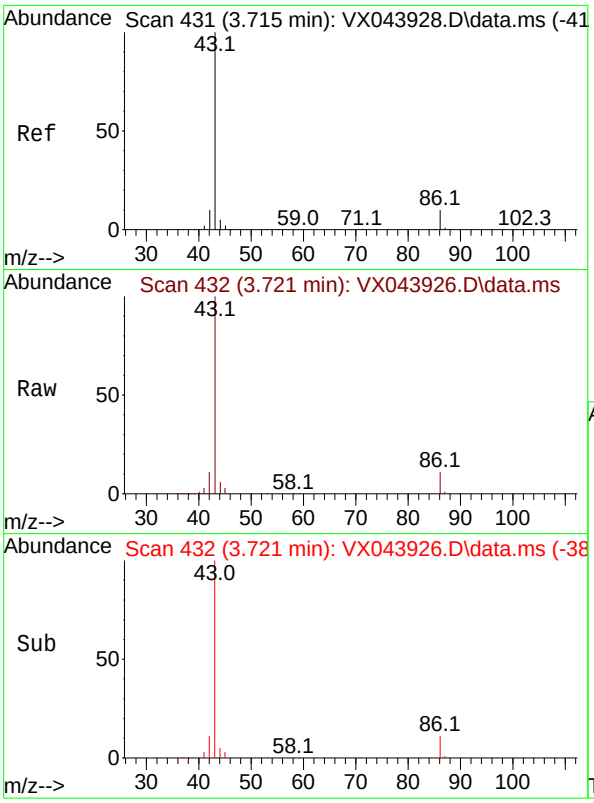


#22
Diisopropyl ether
Concen: 4.794 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 45 Resp: 29102

Ion	Ratio	Lower	Upper
45	100		
43	118.7	59.6	89.4#
87	29.0	22.9	34.3
59	8.8	9.8	14.6#



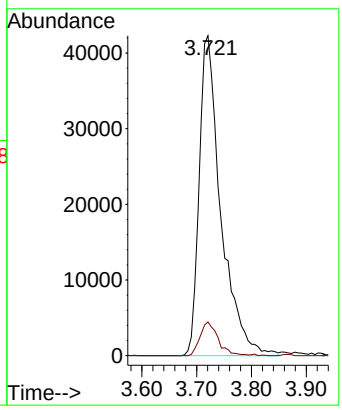


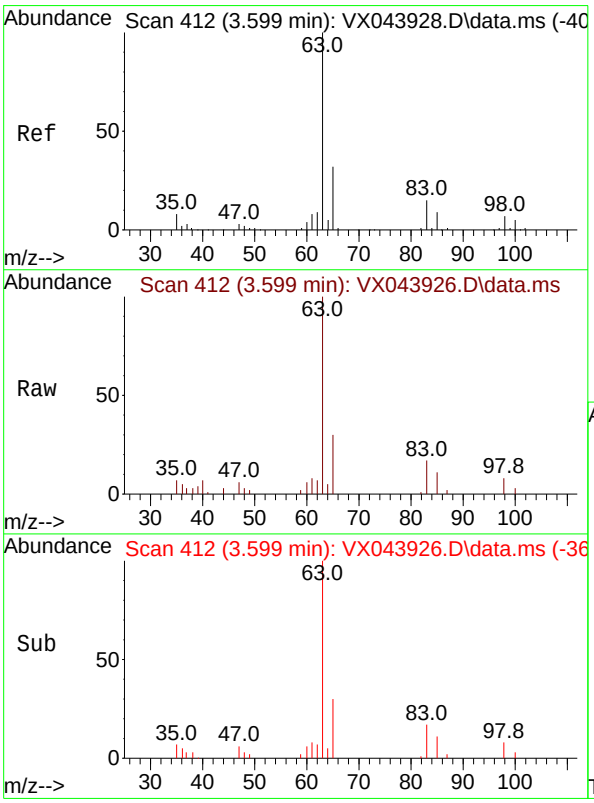
#23
Vinyl Acetate
Concen: 22.382 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 116242

Ion	Ratio	Lower	Upper
43	100		
86	10.5	8.3	12.5

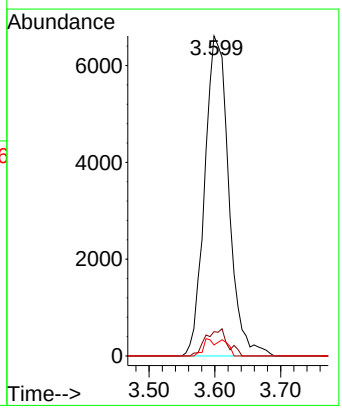


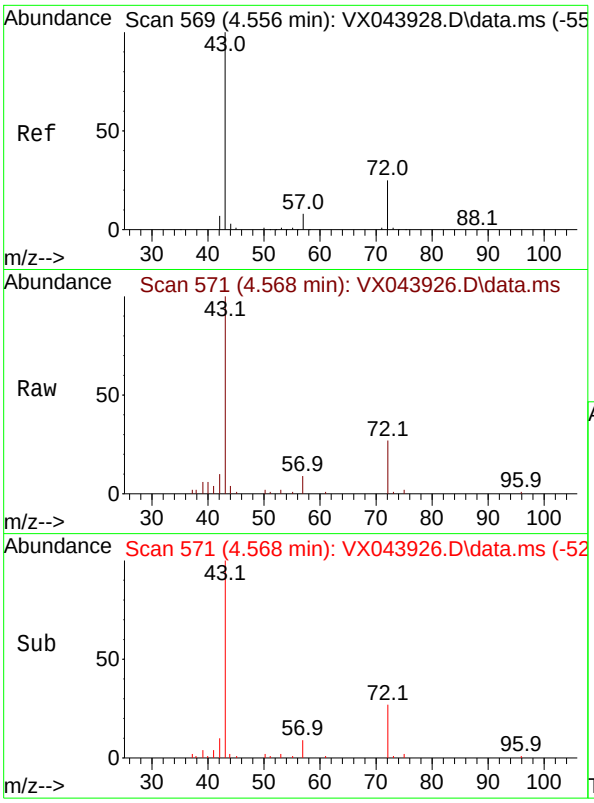


#24
1,1-Dichloroethane
Concen: 4.813 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 63 Resp: 16857

Ion	Ratio	Lower	Upper
63	100		
98	7.6	3.5	10.6
100	3.5	2.4	7.1



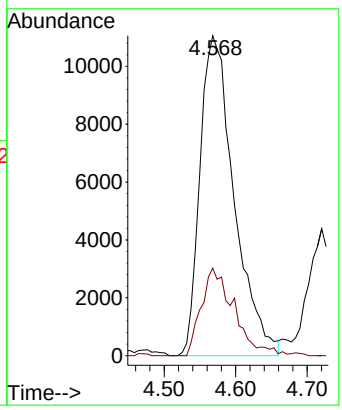


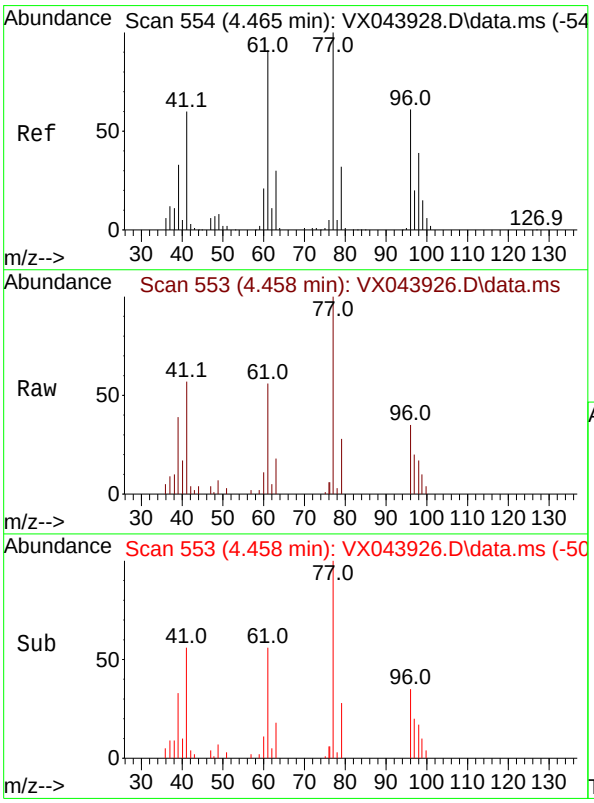
#25
2-Butanone
Concen: 23.931 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 36680

Ion	Ratio	Lower	Upper
43	100		
72	27.4	20.2	30.2

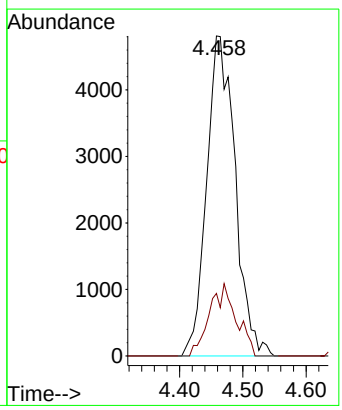


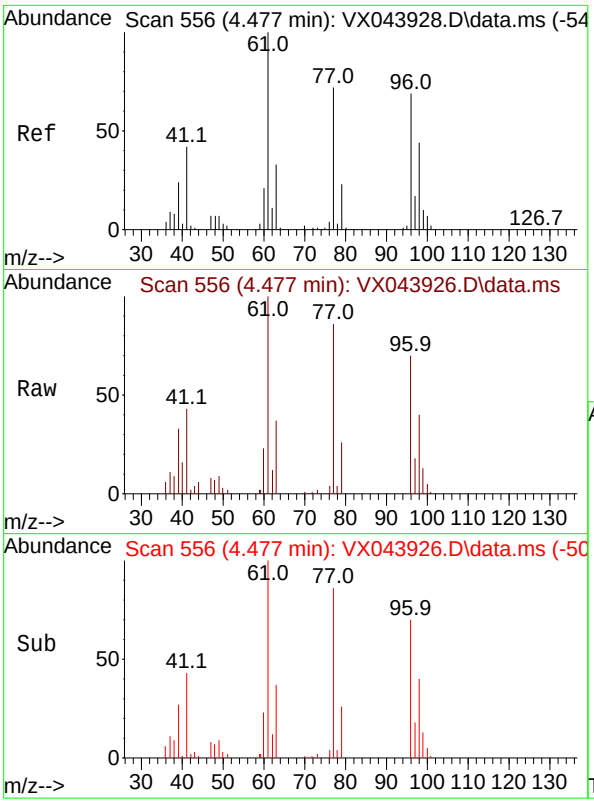


#26
2,2-Dichloropropane
Concen: 4.755 ug/l
RT: 4.458 min Scan# 553
Delta R.T. -0.007 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 77 Resp: 15040

Ion	Ratio	Lower	Upper
77	100		
97	10.0	10.8	32.3#



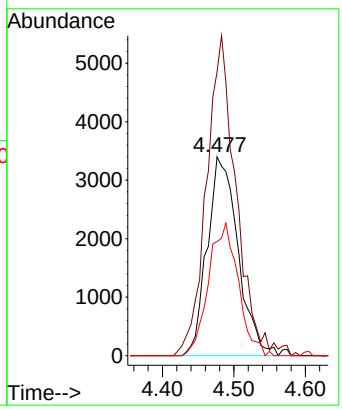


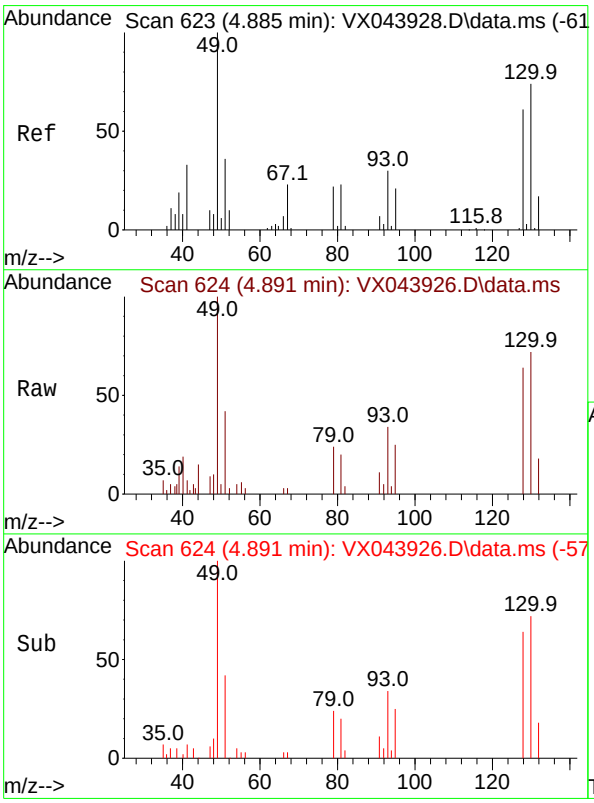
#27
cis-1,2-Dichloroethene
Concen: 4.579 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 10153

Ion	Ratio	Lower	Upper
96	100		
61	155.7	0.0	297.4
98	64.3	0.0	127.8

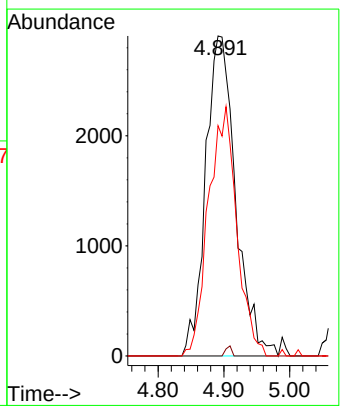


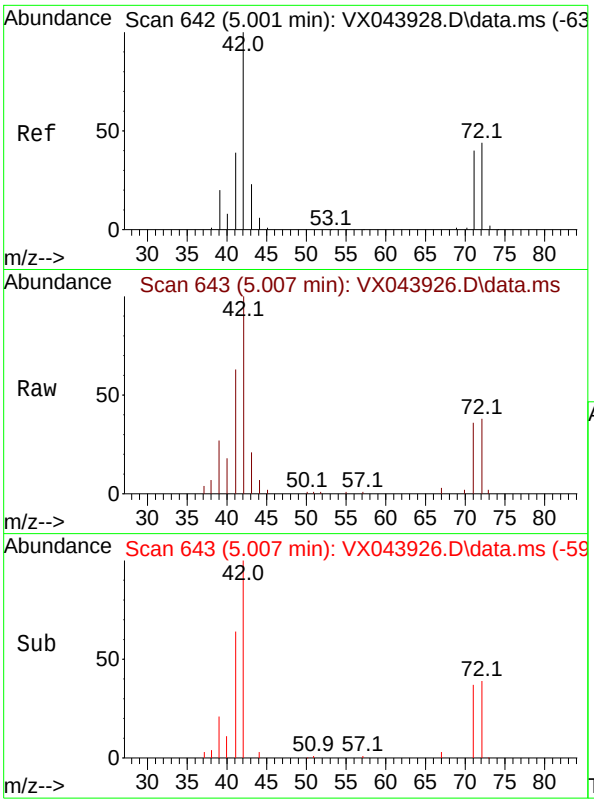


#28
Bromochloromethane
Concen: 5.974 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 49 Resp: 9210

Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	4.0
130	73.5	59.0	88.6



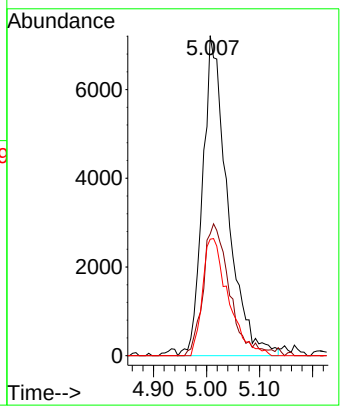


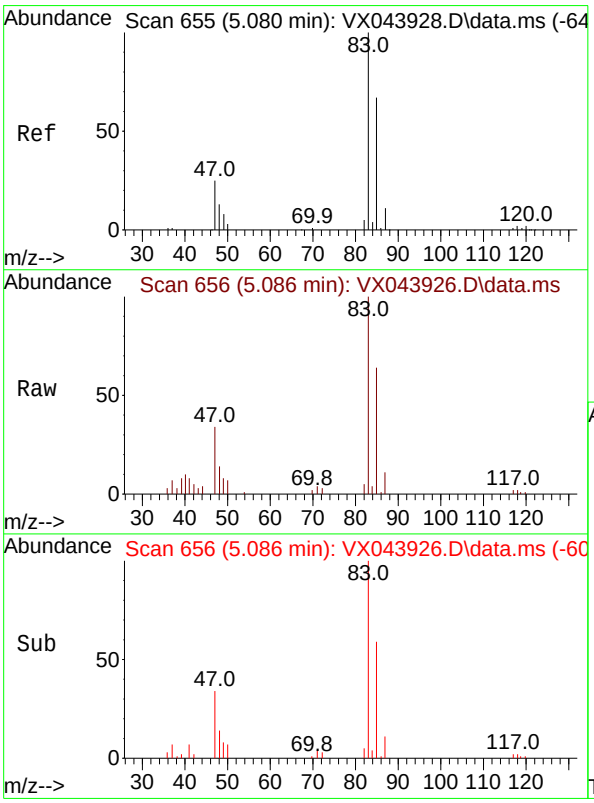
#29
Tetrahydrofuran
Concen: 25.028 ug/l
RT: 5.007 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 42 Resp: 23518

Ion	Ratio	Lower	Upper
42	100		
72	43.4	36.4	54.6
71	38.1	33.4	50.0

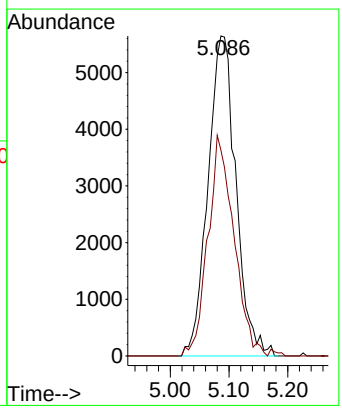


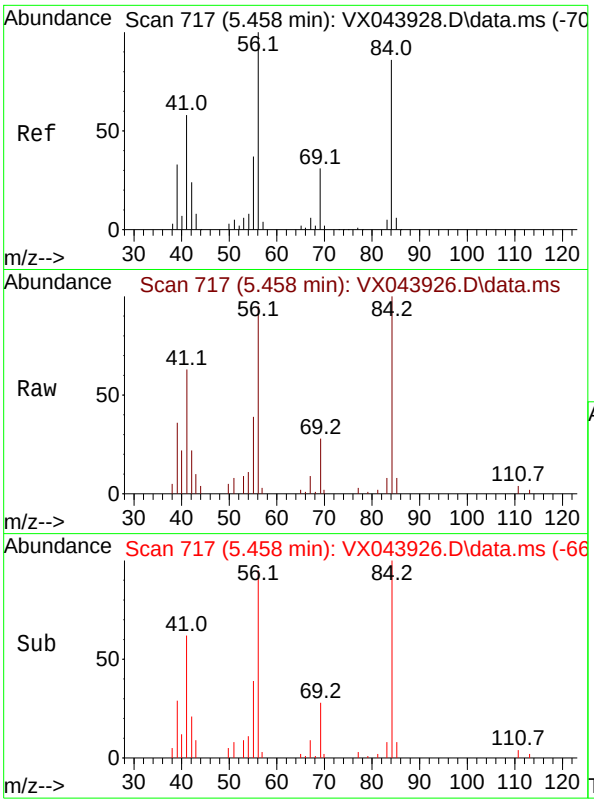


#30
Chloroform
Concen: 4.954 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 83 Resp: 18661

Ion	Ratio	Lower	Upper
83	100		
85	64.3	53.5	80.3



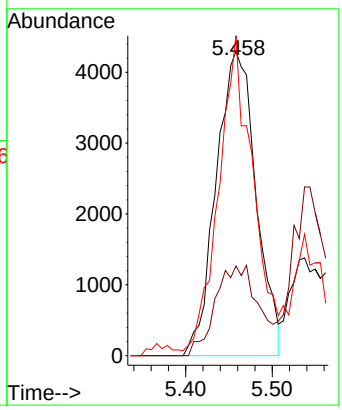


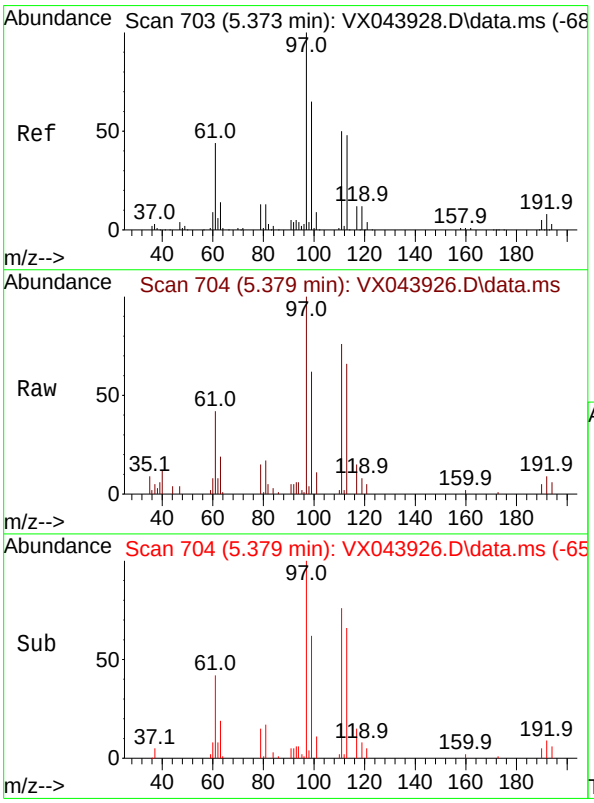
#31
Cyclohexane
Concen: 4.767 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 13740

Ion	Ratio	Lower	Upper
56	100		
69	29.5	24.7	37.1
84	103.2	68.7	103.1#

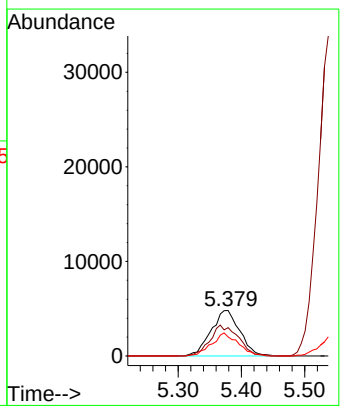


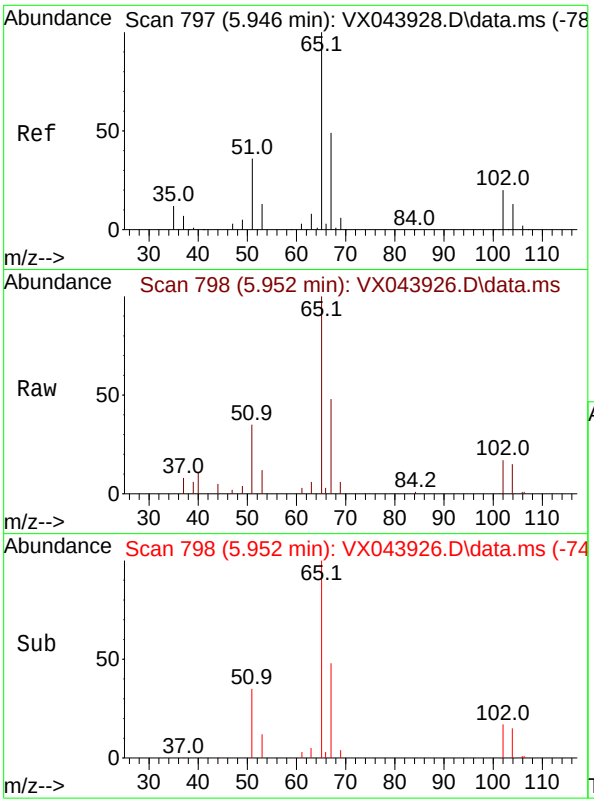


#32
1,1,1-Trichloroethane
Concen: 4.667 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 97 Resp: 15162

Ion	Ratio	Lower	Upper
97	100		
99	66.9	50.8	76.2
61	46.2	35.4	53.2



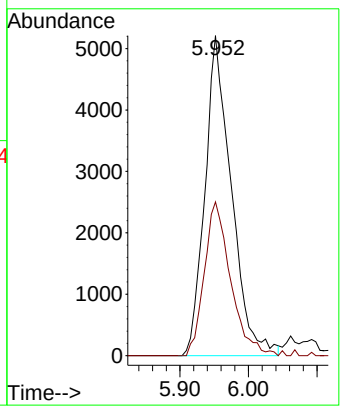


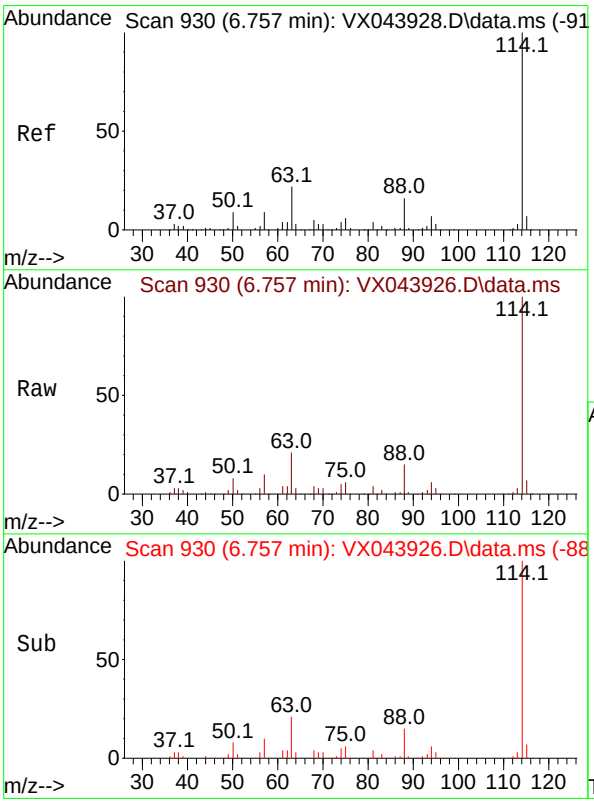
#33
1,2-Dichloroethane-d4
Concen: 5.398 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 65 Resp: 13961

Ion	Ratio	Lower	Upper
65	100		
67	47.8	0.0	100.8

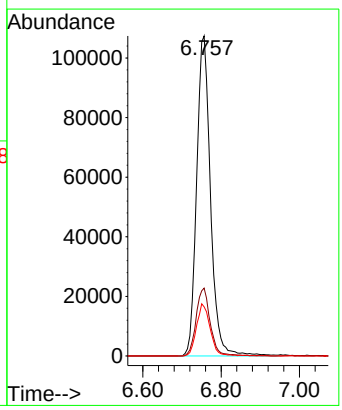


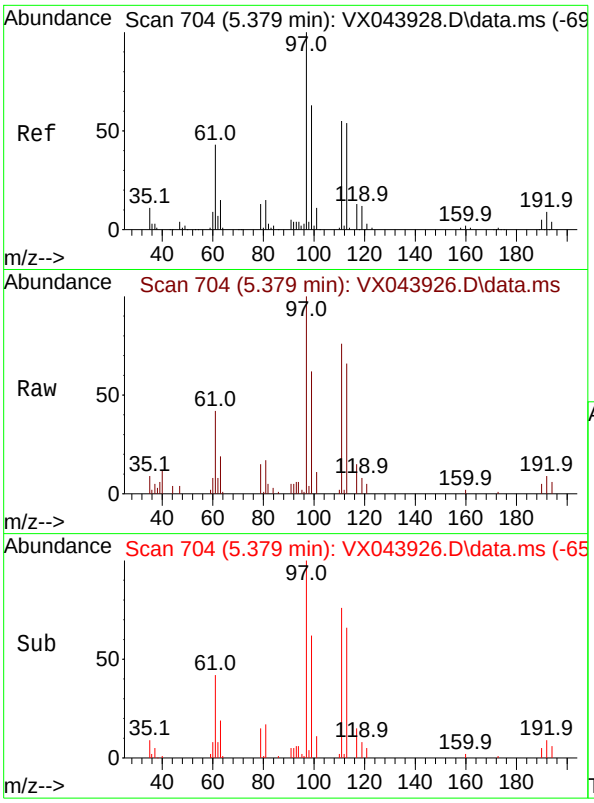


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:114 Resp: 264969

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	44.0
88	15.4	0.0	32.4



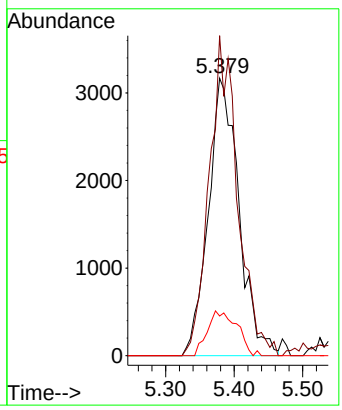


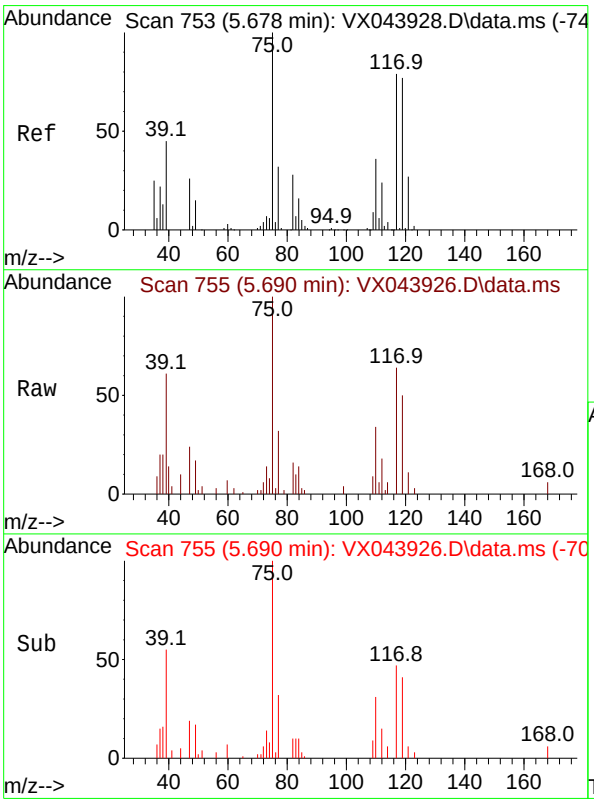
#35
Dibromofluoromethane
Concen: 5.198 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:113 Resp: 9842

Ion	Ratio	Lower	Upper
113	100		
111	107.2	81.0	121.4
192	15.6	13.0	19.6

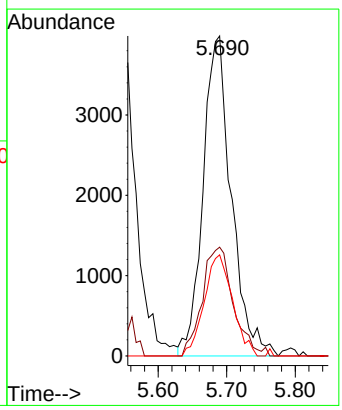


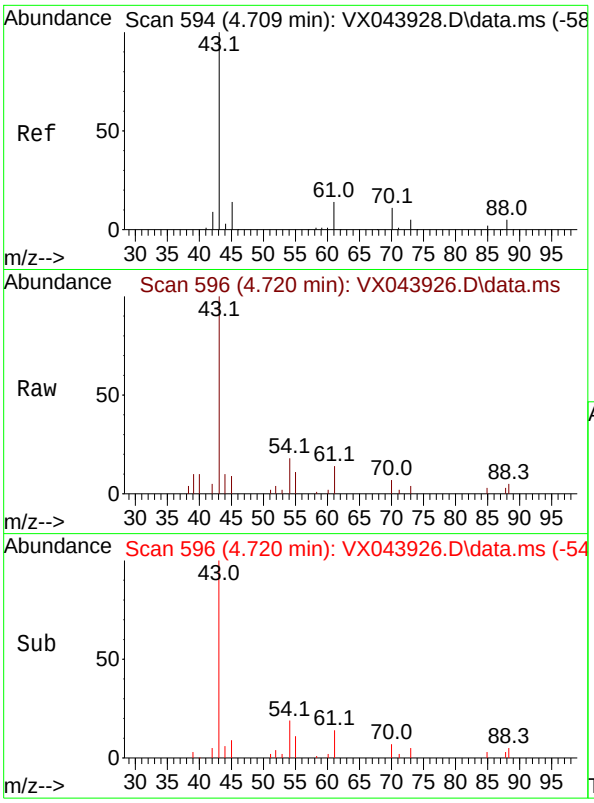


#36
1,1-Dichloropropene
Concen: 4.834 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.012 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 75 Resp: 11406

Ion	Ratio	Lower	Upper
75	100		
110	37.4	17.4	52.2
77	31.6	25.8	38.8



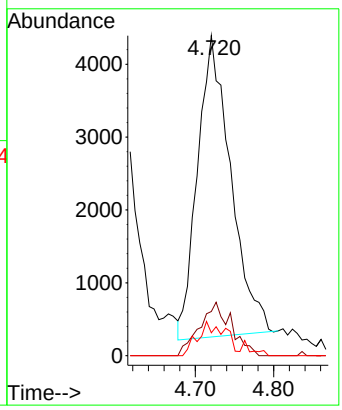


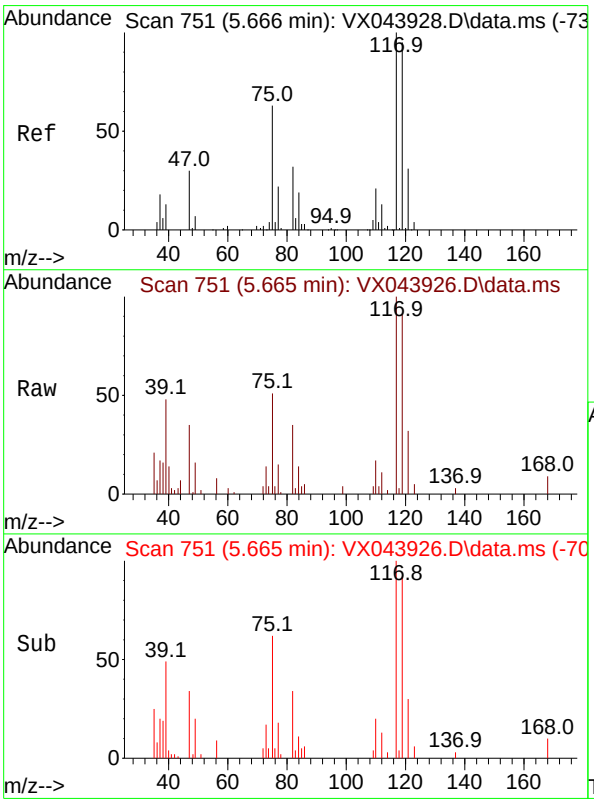
#37
Ethyl Acetate
Concen: 4.158 ug/l
RT: 4.720 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 12177

Ion	Ratio	Lower	Upper
43	100		
61	16.9	10.7	16.1#
70	9.4	8.0	12.0

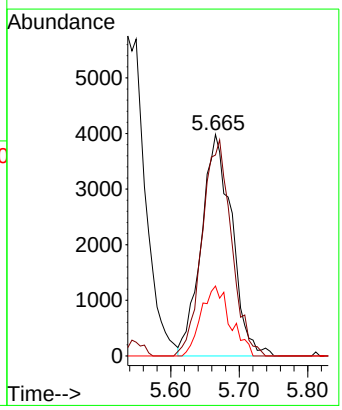


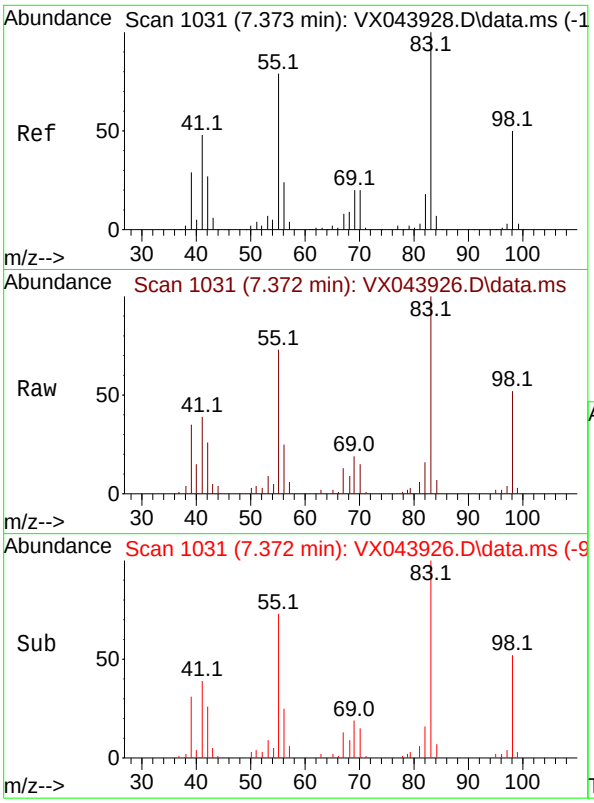


#38
Carbon Tetrachloride
Concen: 4.658 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:117 Resp: 12348

Ion	Ratio	Lower	Upper
117	100		
119	90.7	75.2	112.8
121	31.5	24.5	36.7



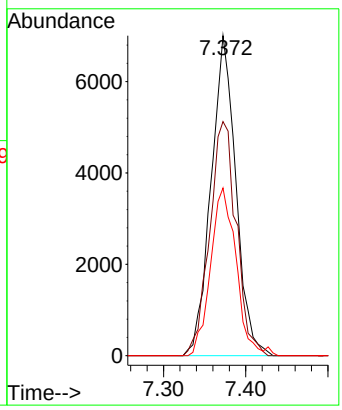


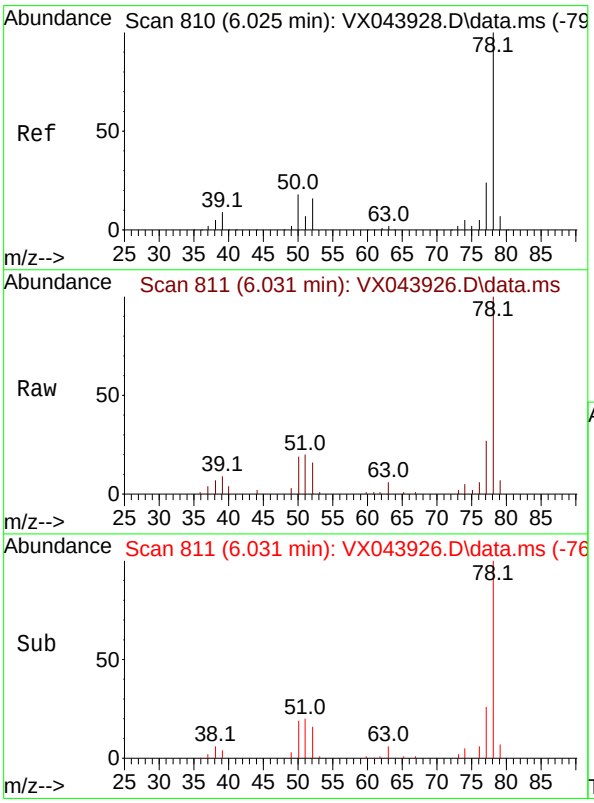
#39
Methylcyclohexane
Concen: 4.803 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 14721

Ion	Ratio	Lower	Upper
83	100		
55	73.1	63.1	94.7
98	52.4	40.0	60.0

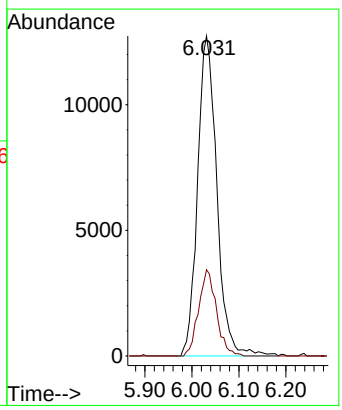


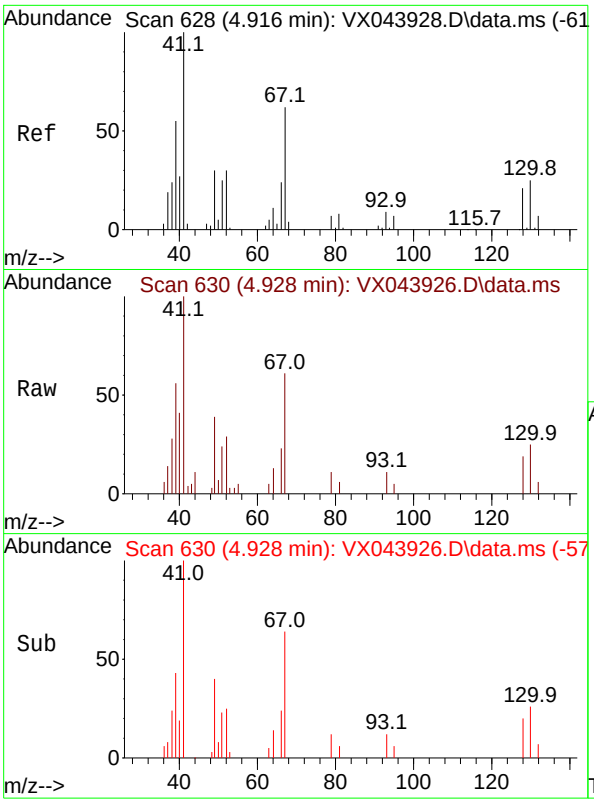


#40
Benzene
Concen: 4.937 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 78 Resp: 36283

Ion	Ratio	Lower	Upper
78	100		
77	27.0	19.2	28.8



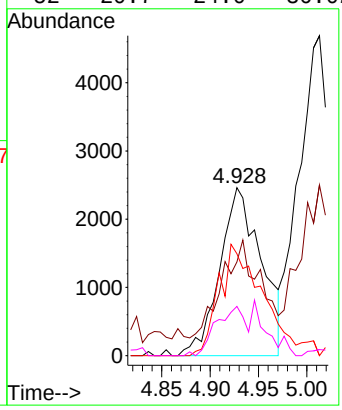


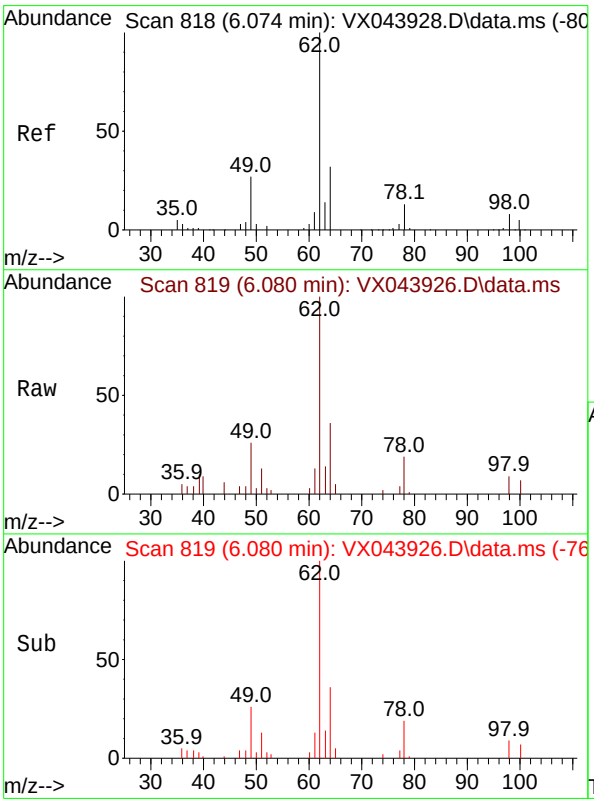
#41
Methacrylonitrile
Concen: 4.907 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.012 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 41 Resp: 7355

Ion	Ratio	Lower	Upper
41	100		
39	52.5	41.7	62.5
67	72.4	55.8	83.8
52	20.7	24.0	36.0#

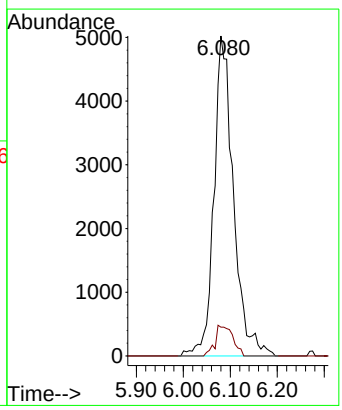


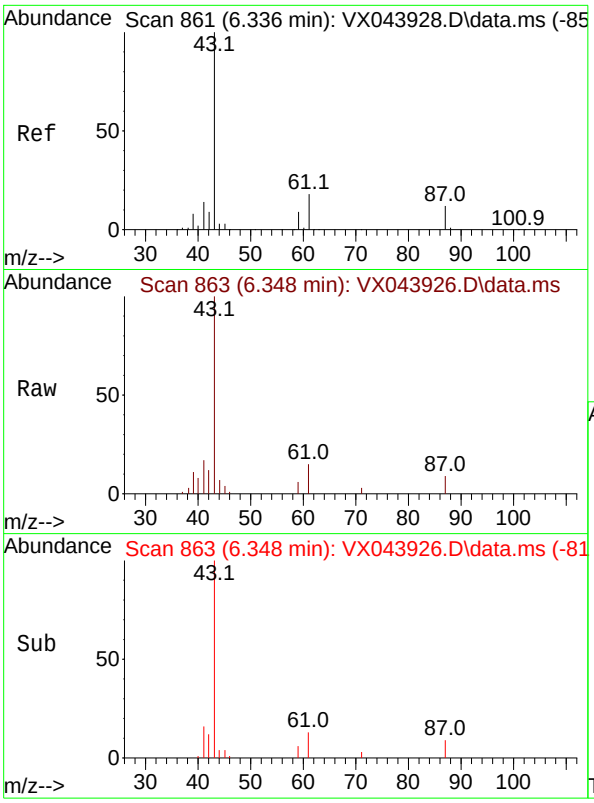


#42
1,2-Dichloroethane
Concen: 4.901 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 62 Resp: 14467

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	16.4



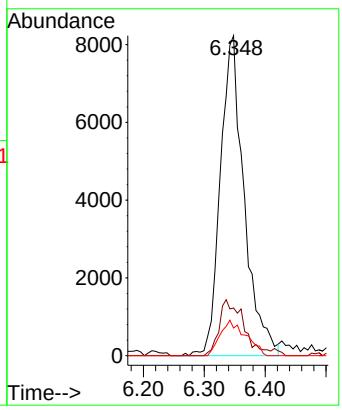


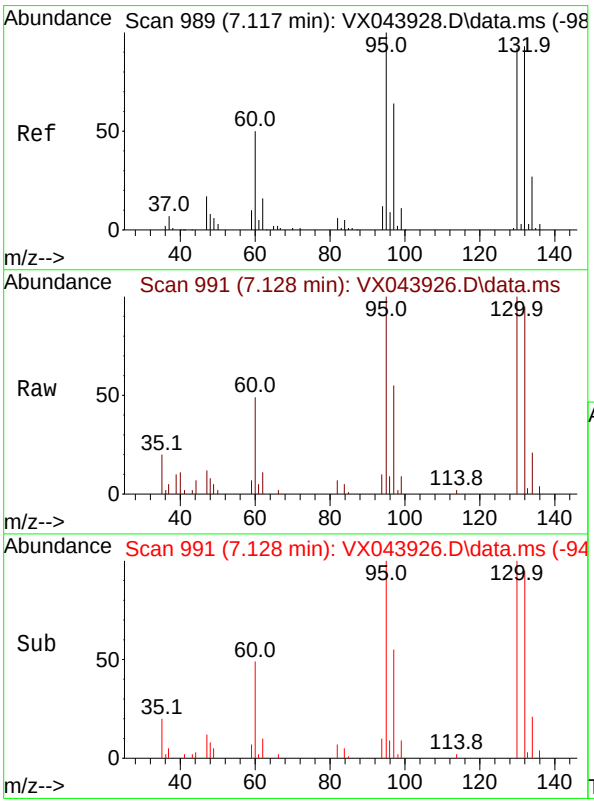
#43
Isopropyl Acetate
Concen: 4.777 ug/l
RT: 6.348 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 22267

Ion	Ratio	Lower	Upper
43	100		
61	18.0	14.5	21.7
87	11.9	10.2	15.2

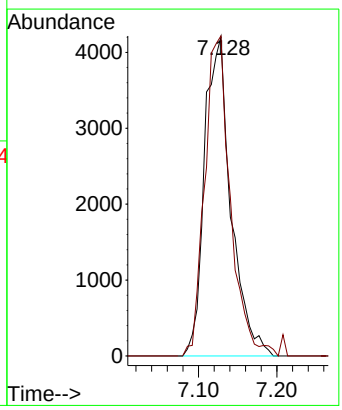


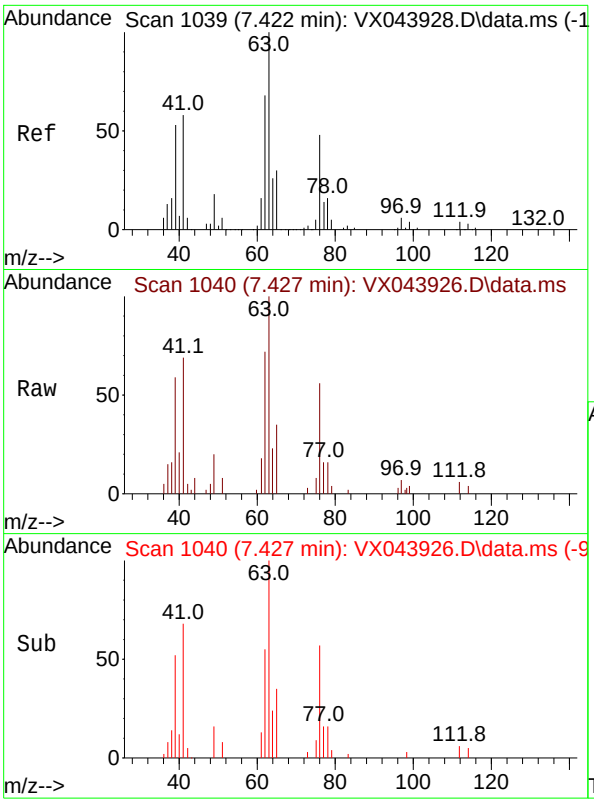


#44
Trichloroethene
Concen: 4.736 ug/l
RT: 7.128 min Scan# 991
Delta R.T. 0.012 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:130 Resp: 9852

Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	217.8



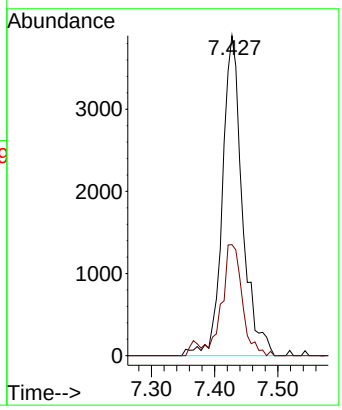


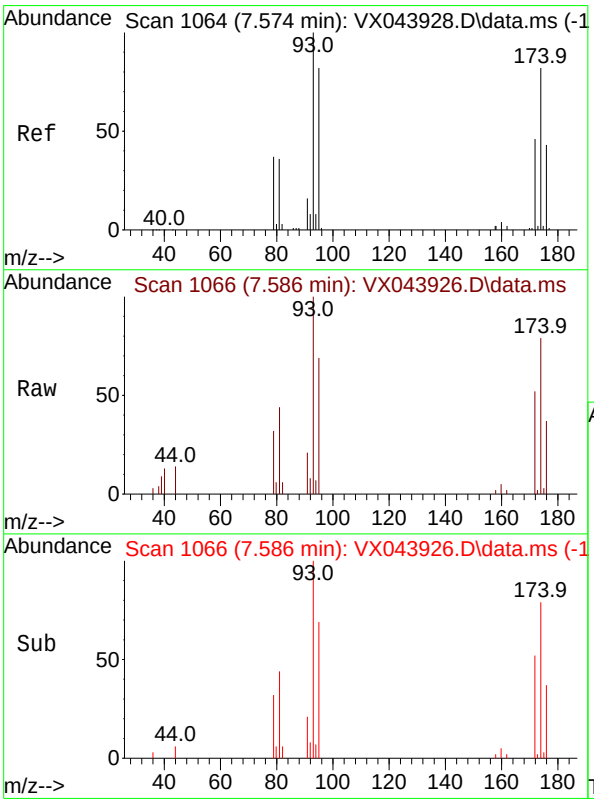
#45
1,2-Dichloropropane
Concen: 4.736 ug/l
RT: 7.427 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 8525

Ion	Ratio	Lower	Upper
63	100		
65	34.7	23.8	35.6

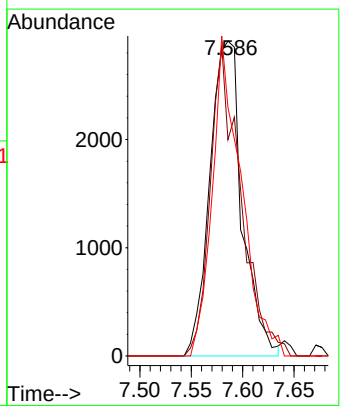


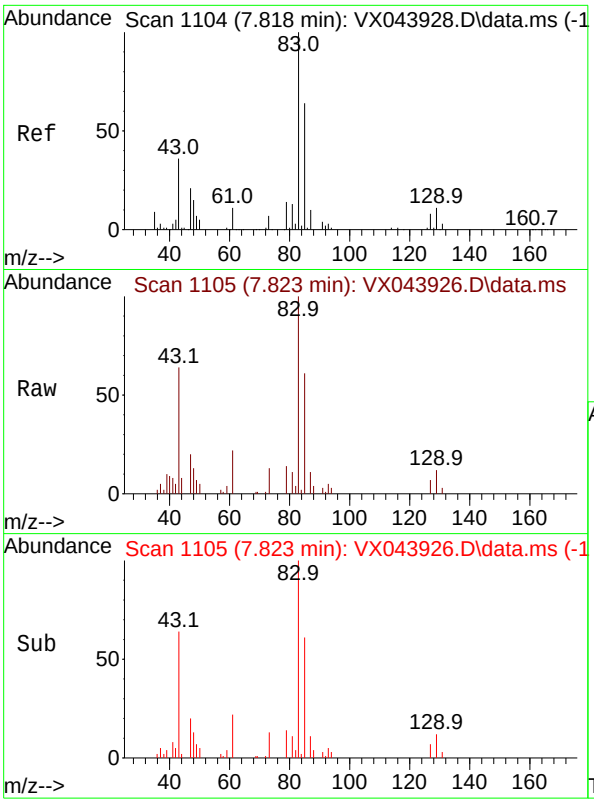


#46
Dibromomethane
Concen: 4.475 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.012 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 93 Resp: 6372

Ion	Ratio	Lower	Upper
93	100		
95	92.5	66.2	99.4
174	90.3	69.6	104.4



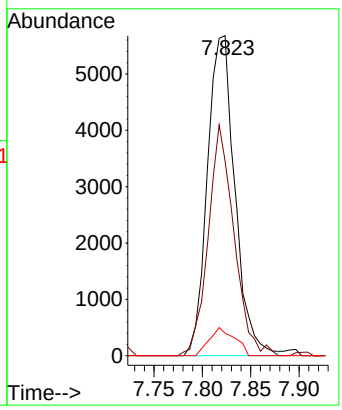


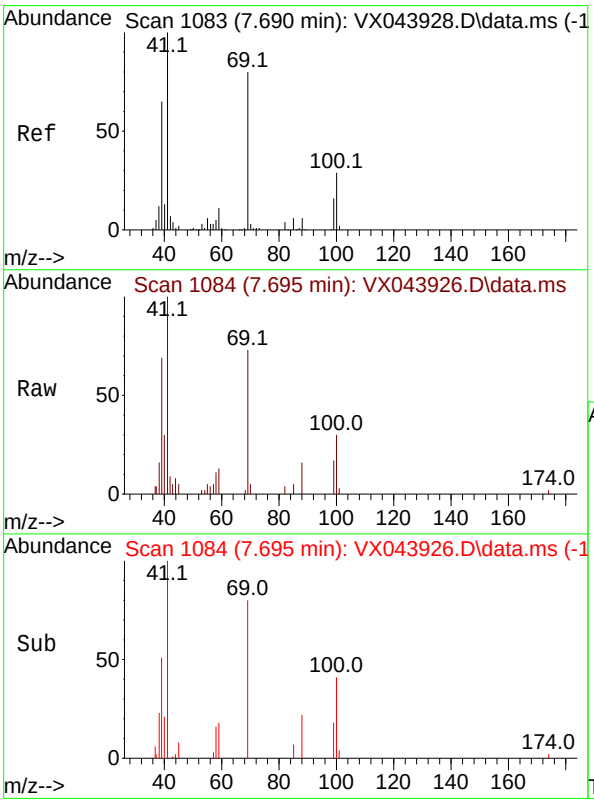
#47
Bromodichloromethane
Concen: 4.405 ug/l
RT: 7.823 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 11249

Ion	Ratio	Lower	Upper
83	100		
85	60.8	51.4	77.0
127	7.1	6.6	10.0

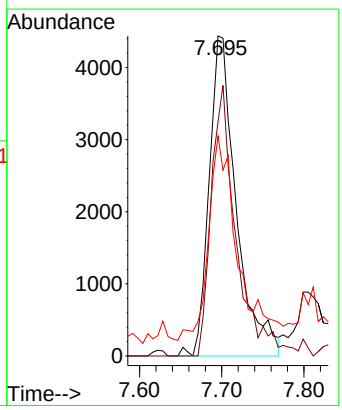


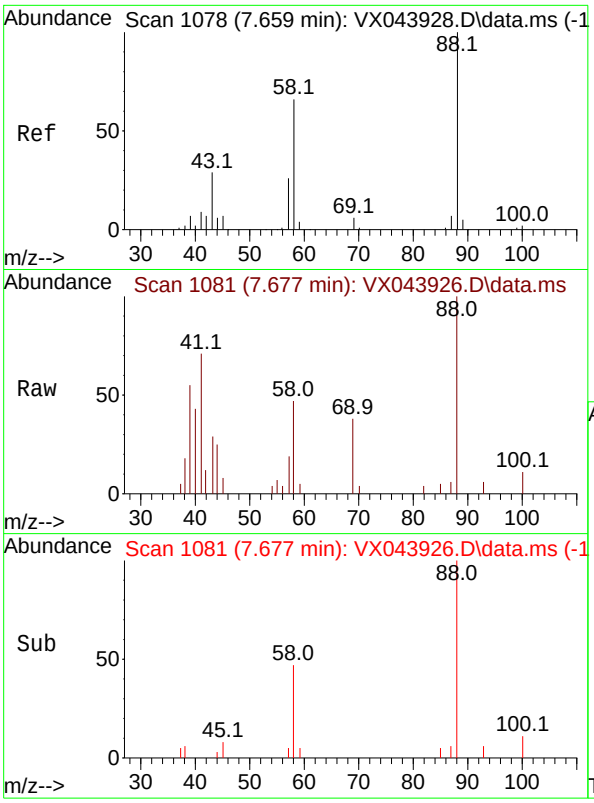


#48
Methyl methacrylate
Concen: 4.556 ug/l
RT: 7.695 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 41 Resp: 10190

Ion	Ratio	Lower	Upper
41	100		
69	77.6	64.6	97.0
39	60.5	53.3	79.9



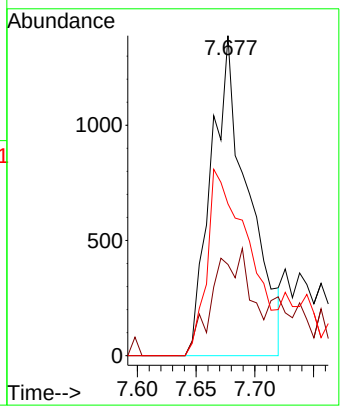


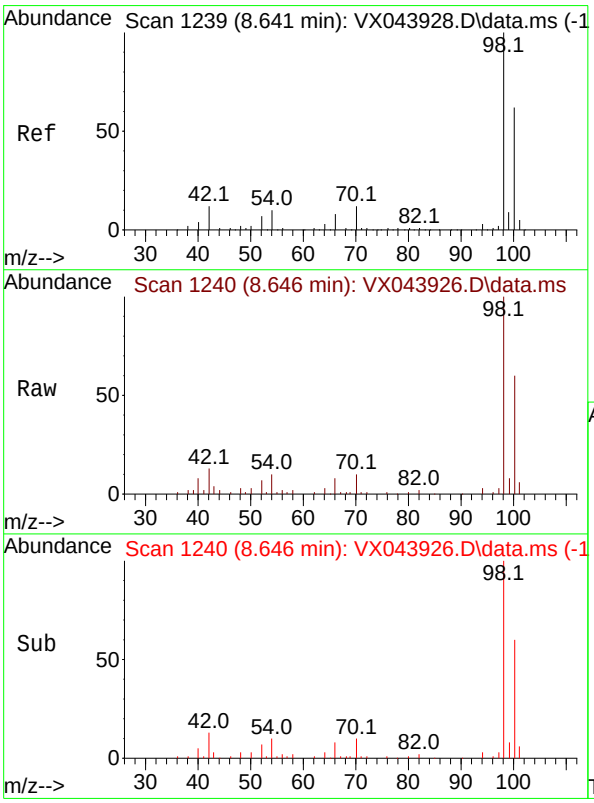
#49
1,4-Dioxane
Concen: 79.255 ug/l
RT: 7.677 min Scan# 1
Delta R.T. 0.018 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 88 Resp: 3056

Ion	Ratio	Lower	Upper
88	100		
43	0.0	26.8	40.2#
58	66.3	45.4	68.2

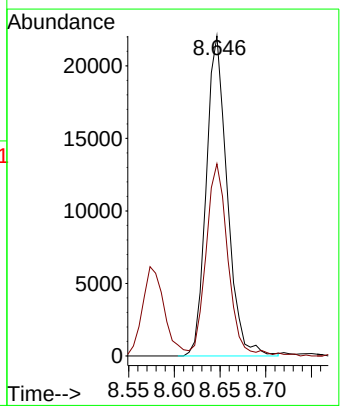


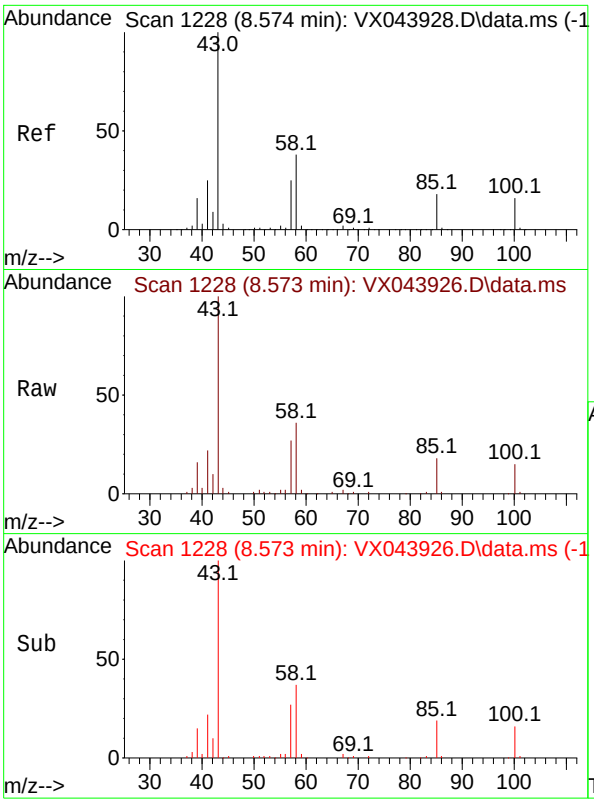


#50
Toluene-d8
Concen: 5.389 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 98 Resp: 35173

Ion	Ratio	Lower	Upper
98	100		
100	62.7	52.6	79.0



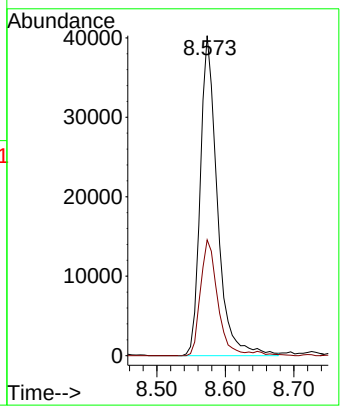


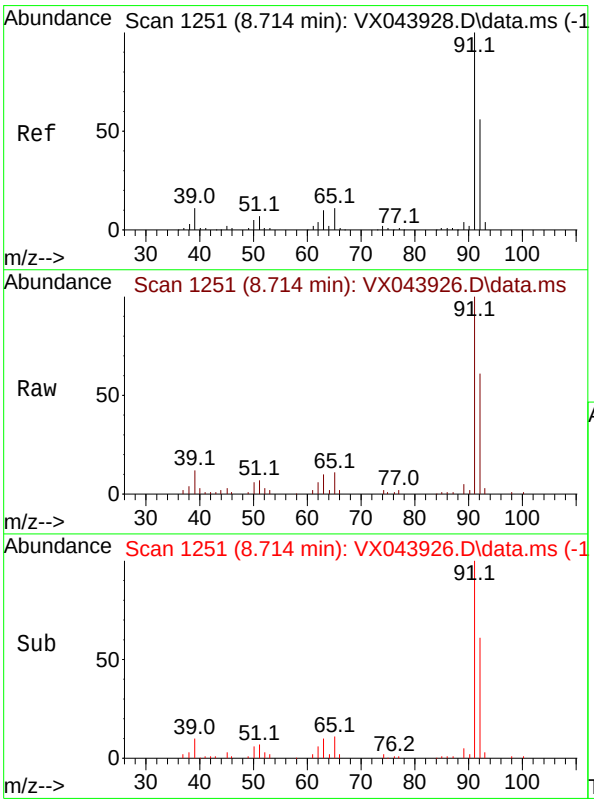
#51
4-Methyl-2-Pentanone
Concen: 24.556 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 69843

Ion	Ratio	Lower	Upper
43	100		
58	35.9	30.0	45.0

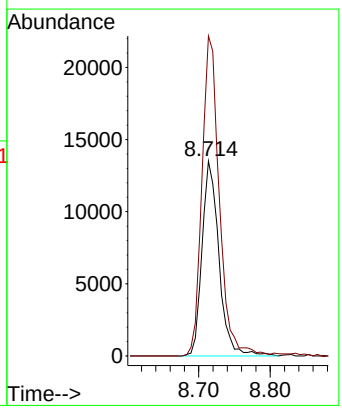


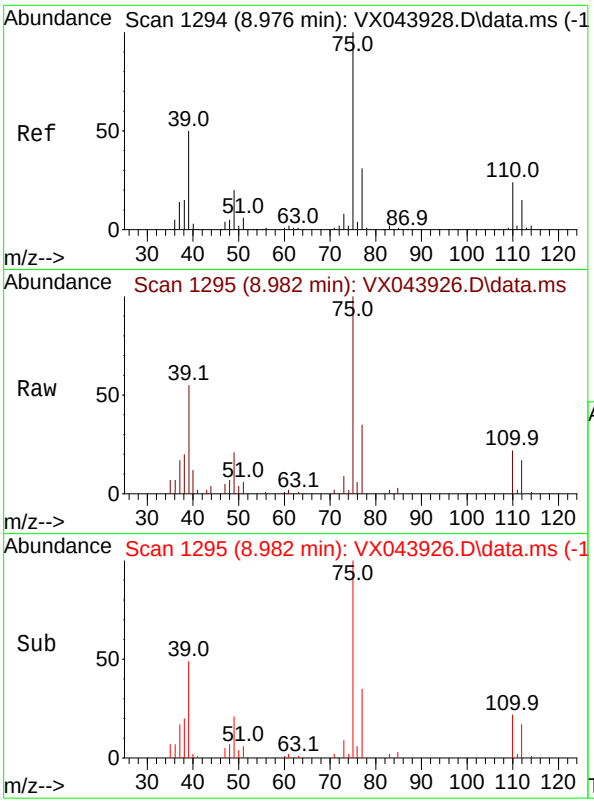


#52
Toluene
Concen: 5.051 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 92 Resp: 22218

Ion	Ratio	Lower	Upper
92	100		
91	168.5	139.7	209.5



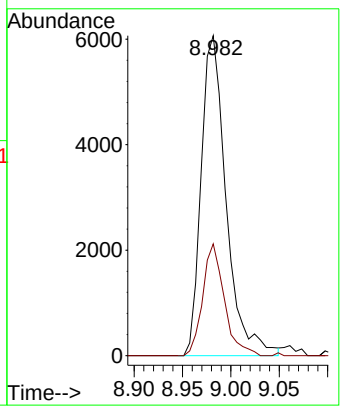


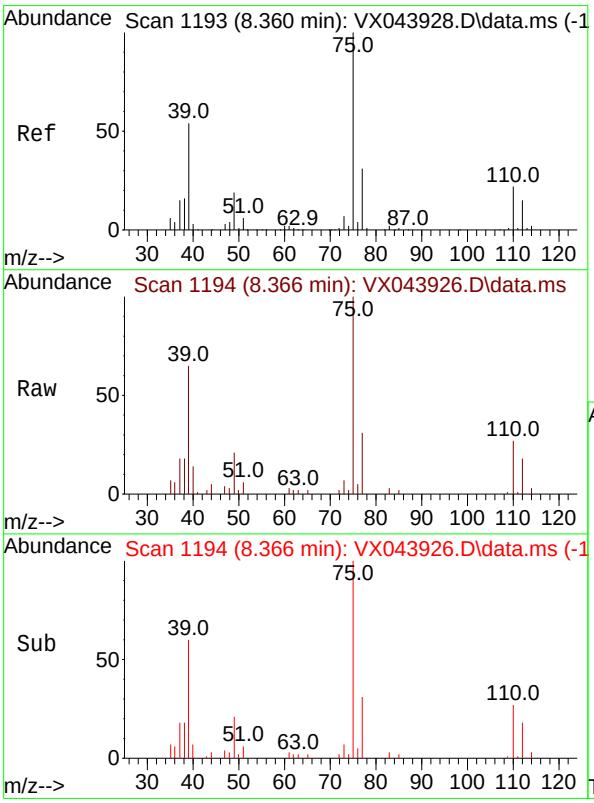
#53
t-1,3-Dichloropropene
Concen: 4.200 ug/l
RT: 8.982 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 10937

Ion	Ratio	Lower	Upper
75	100		
77	35.0	25.1	37.7

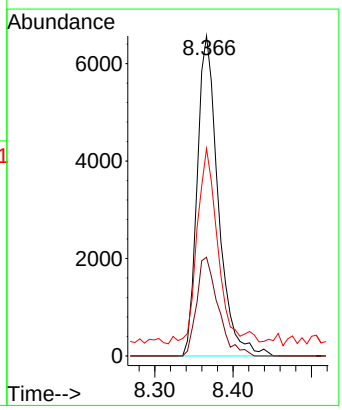


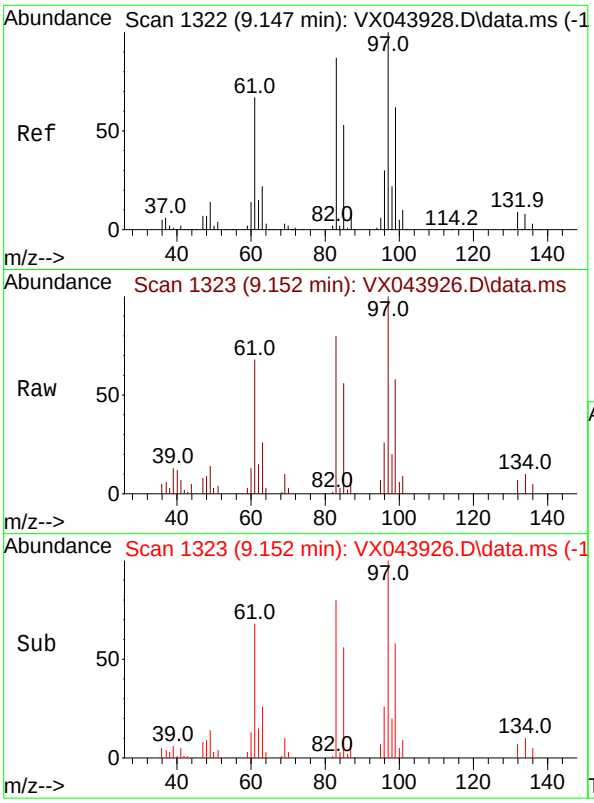


#54
cis-1,3-Dichloropropene
Concen: 4.292 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 75 Resp: 12253

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.2	37.8
39	60.0	43.1	64.7



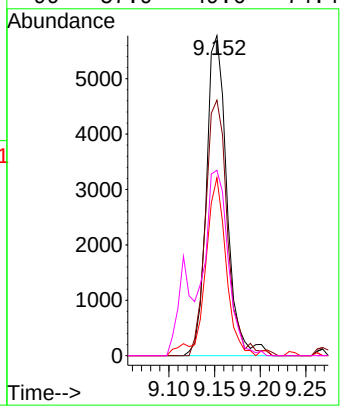


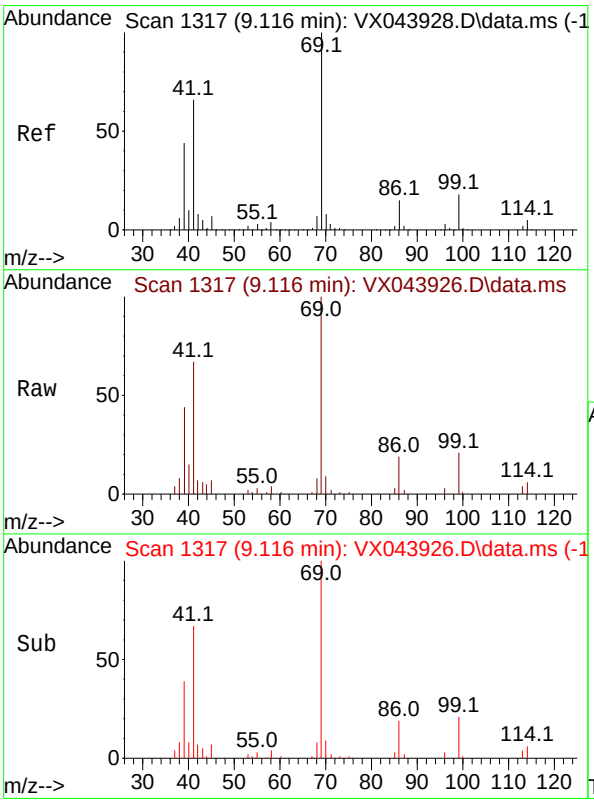
#55
1,1,2-Trichloroethane
Concen: 4.957 ug/l
RT: 9.152 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 97 Resp: 9000

Ion	Ratio	Lower	Upper
97	100		
83	79.8	69.4	104.0
85	55.6	42.3	63.5
99	57.9	49.6	74.4

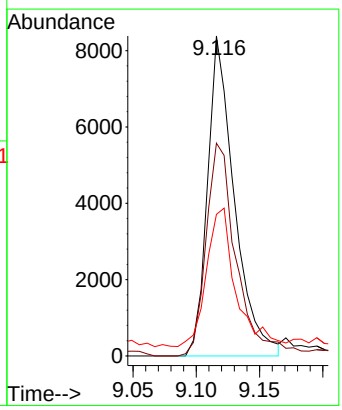


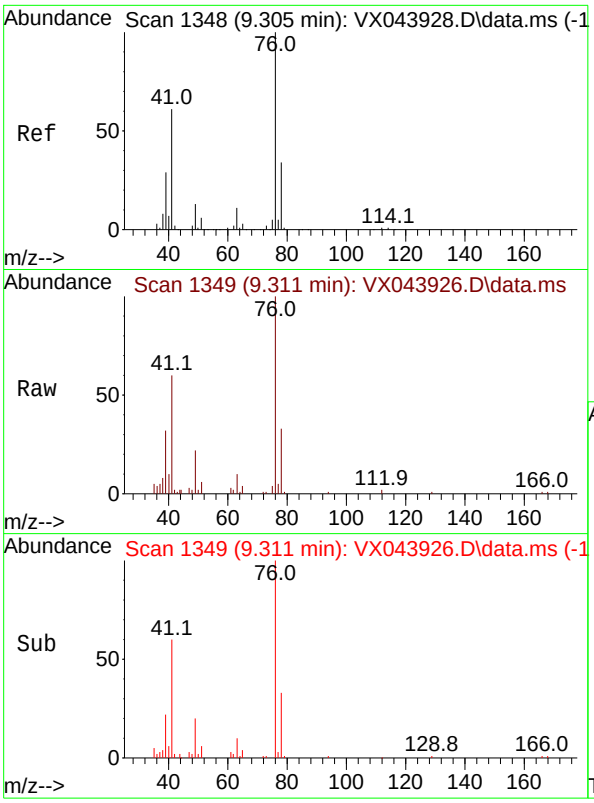


#56
Ethyl methacrylate
Concen: 4.378 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 69 Resp: 12381

Ion	Ratio	Lower	Upper
69	100		
41	75.0	55.8	83.8
39	46.7	36.7	55.1



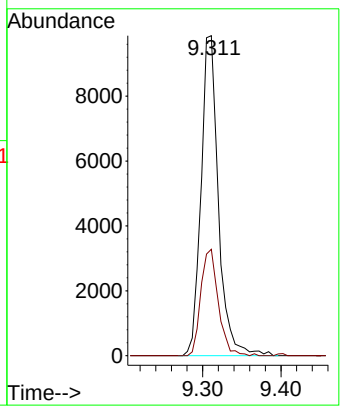


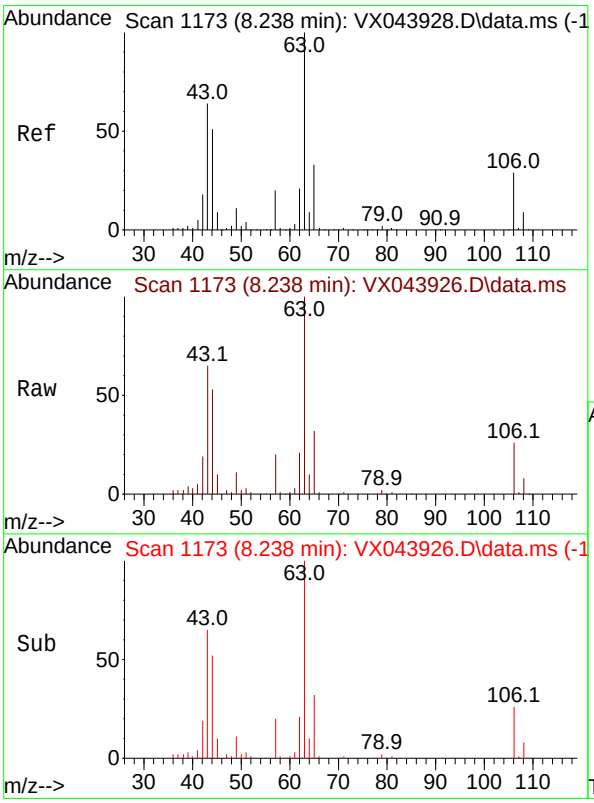
#57
1,3-Dichloropropane
Concen: 4.973 ug/l
RT: 9.311 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 15211

Ion	Ratio	Lower	Upper
76	100		
78	33.4	26.0	39.0

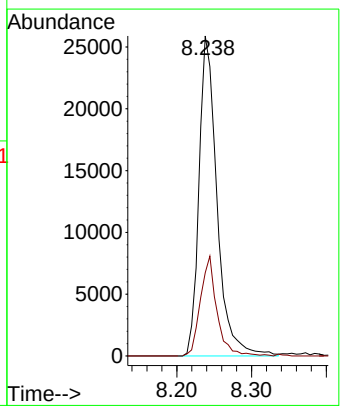


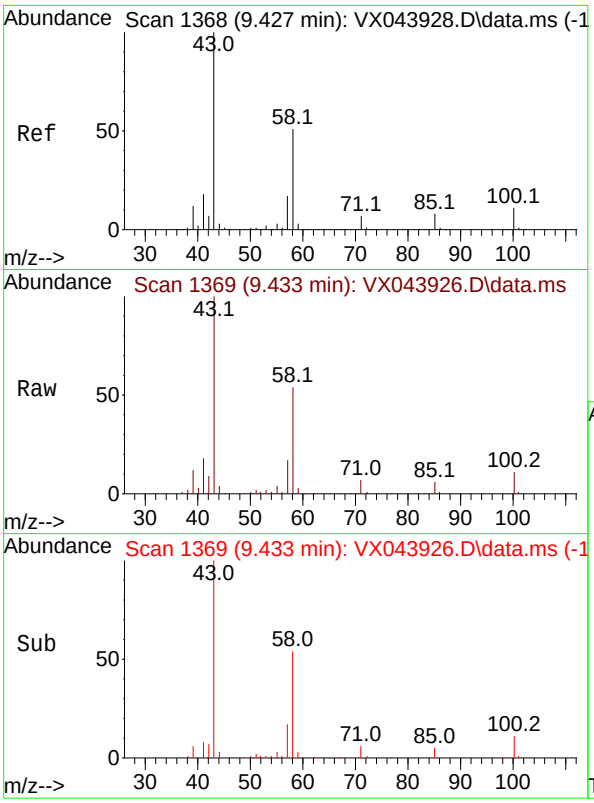


#58
2-Chloroethyl Vinyl ether
Concen: 27.673 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 63 Resp: 43351

Ion	Ratio	Lower	Upper
63	100		
106	28.6	23.0	34.6



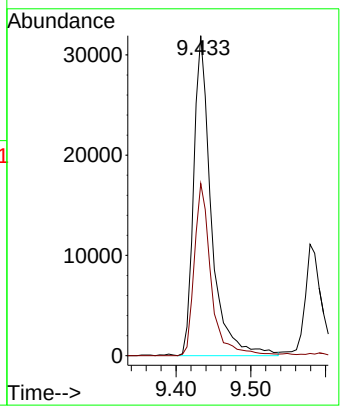


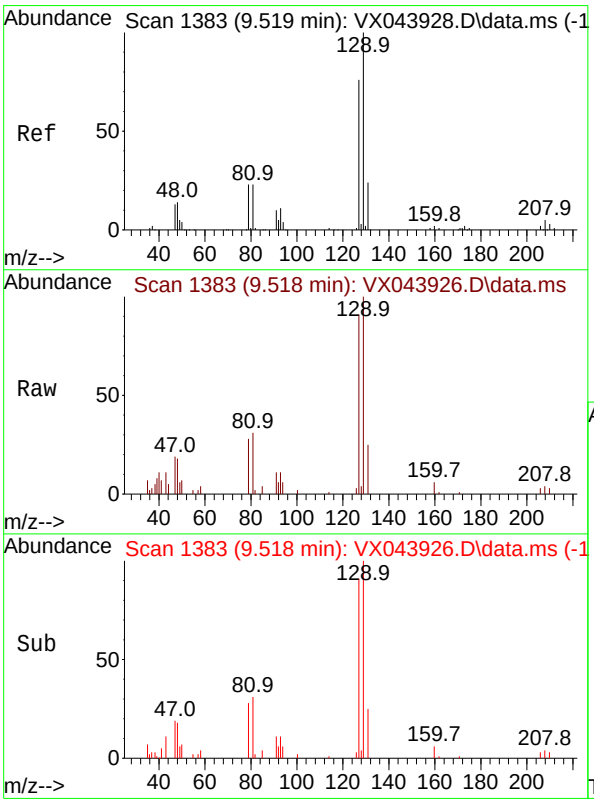
#59
2-Hexanone
Concen: 24.357 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 52072

Ion	Ratio	Lower	Upper
43	100		
58	51.4	25.9	77.6

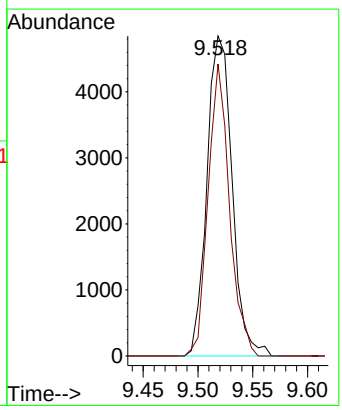


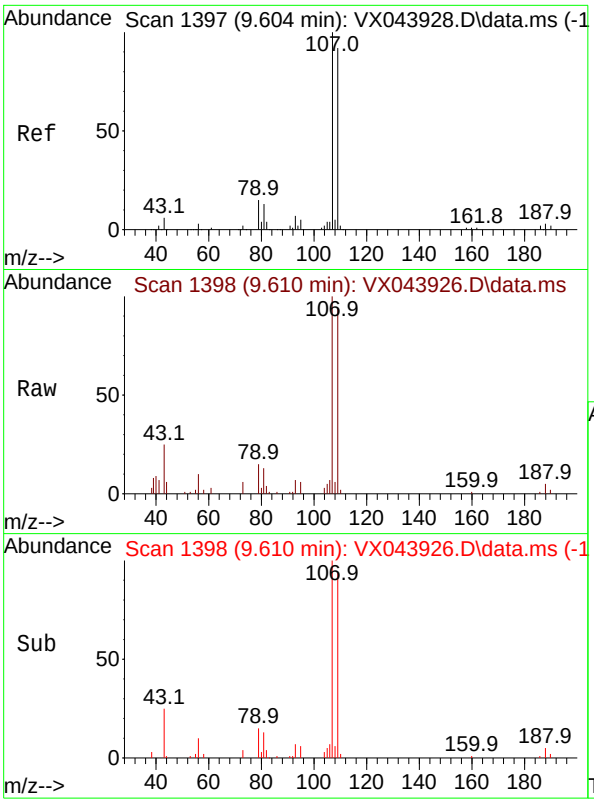


#60
Dibromochloromethane
Concen: 4.247 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:129 Resp: 7738

Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.2	114.6



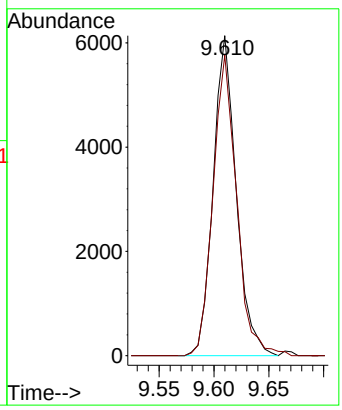


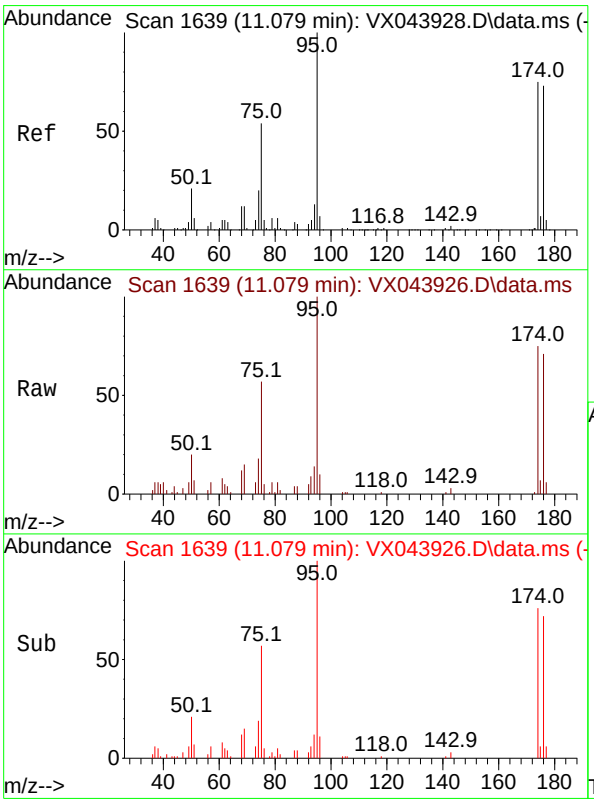
#61
1,2-Dibromoethane
Concen: 4.894 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:107 Resp: 8985

Ion	Ratio	Lower	Upper
107	100		
109	96.2	75.2	112.8

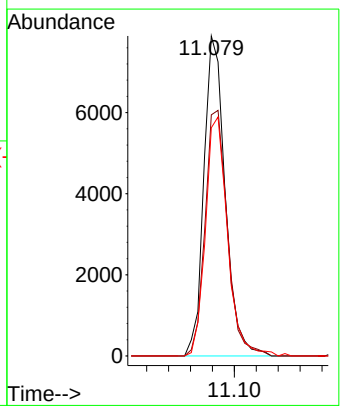


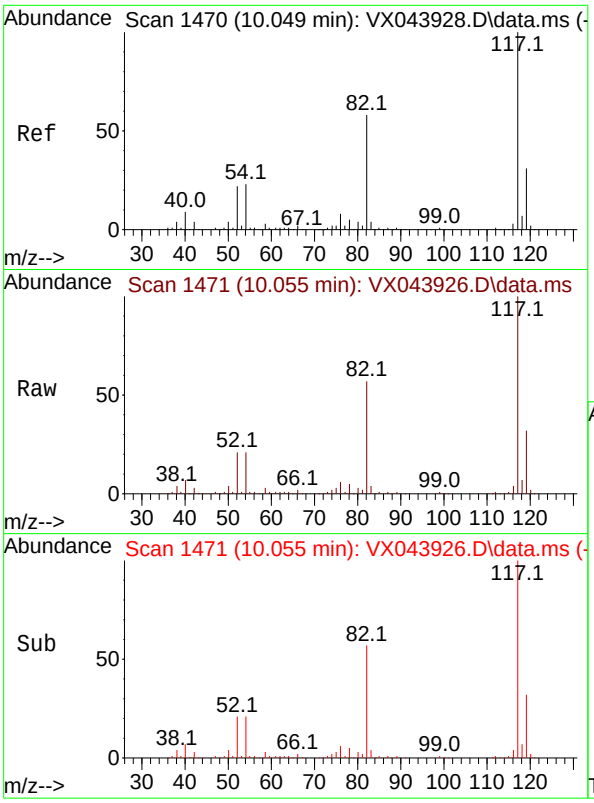


#62
4-Bromofluorobenzene
Concen: 4.780 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 95 Resp: 10618

Ion	Ratio	Lower	Upper
95	100		
174	80.9	0.0	150.4
176	77.6	0.0	146.0



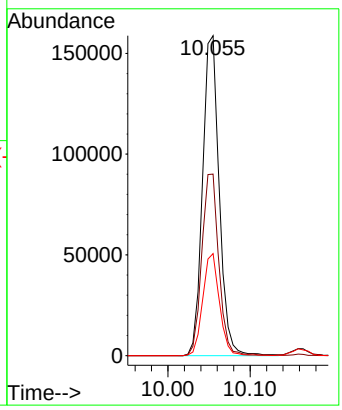


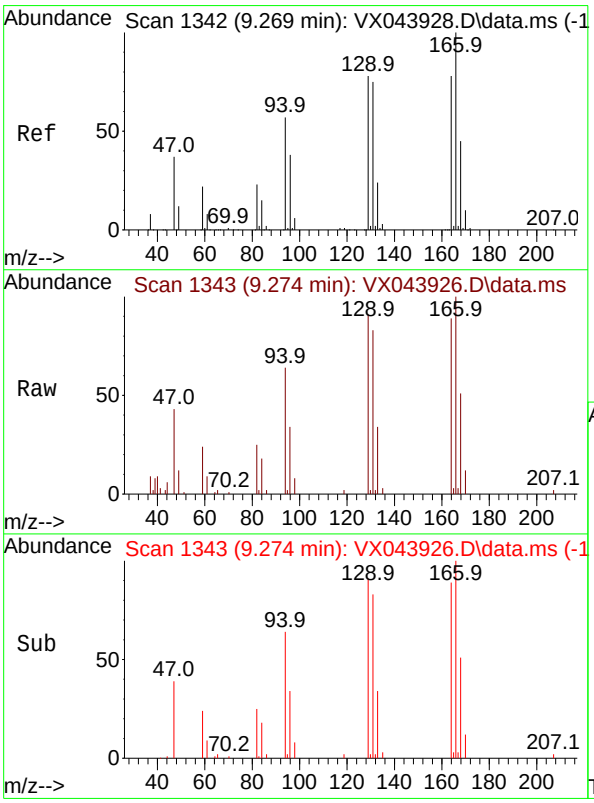
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:117 Resp: 223514

Ion	Ratio	Lower	Upper
117	100		
82	56.8	46.4	69.6
119	31.9	24.6	37.0

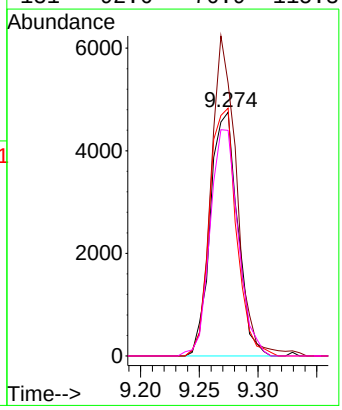


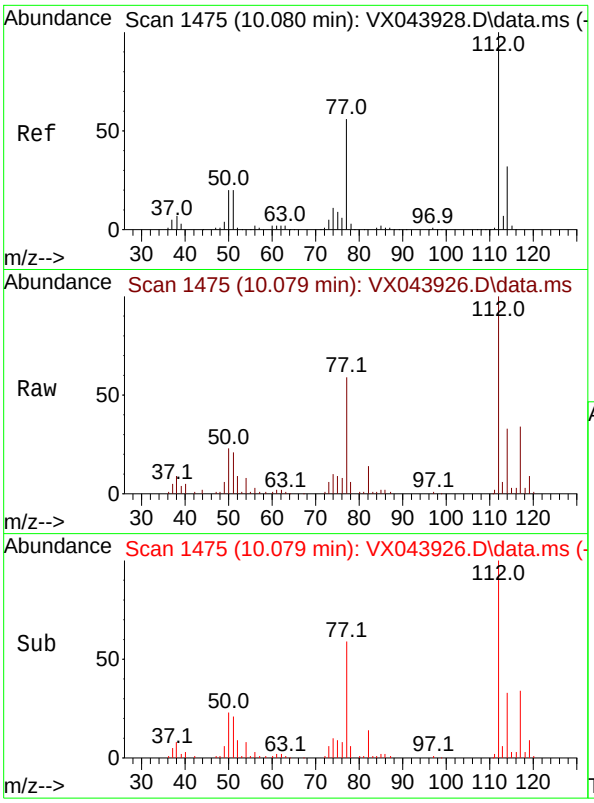


#64
Tetrachloroethene
Concen: 5.185 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:164 Resp: 7642

Ion	Ratio	Lower	Upper
164	100		
166	111.9	102.1	153.1
129	101.7	79.6	119.4
131	92.6	76.9	115.3



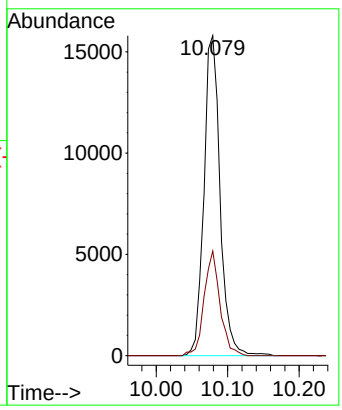


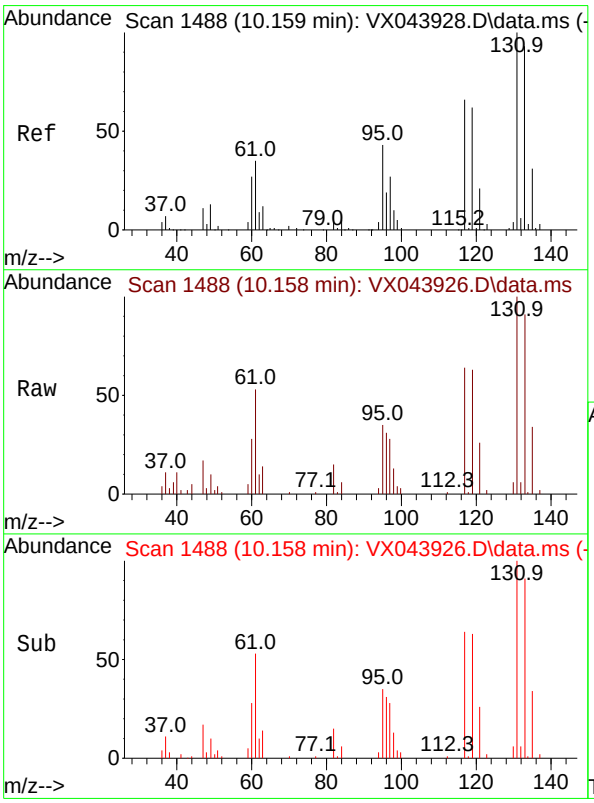
#65
Chlorobenzene
Concen: 5.050 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:112 Resp: 24792

Ion	Ratio	Lower	Upper
112	100		
114	32.7	25.4	38.0

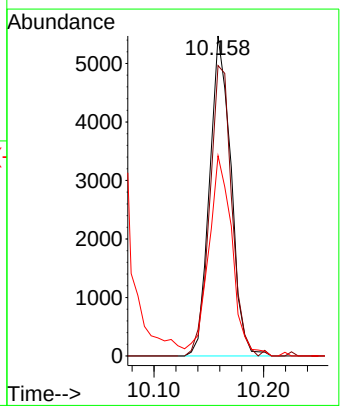


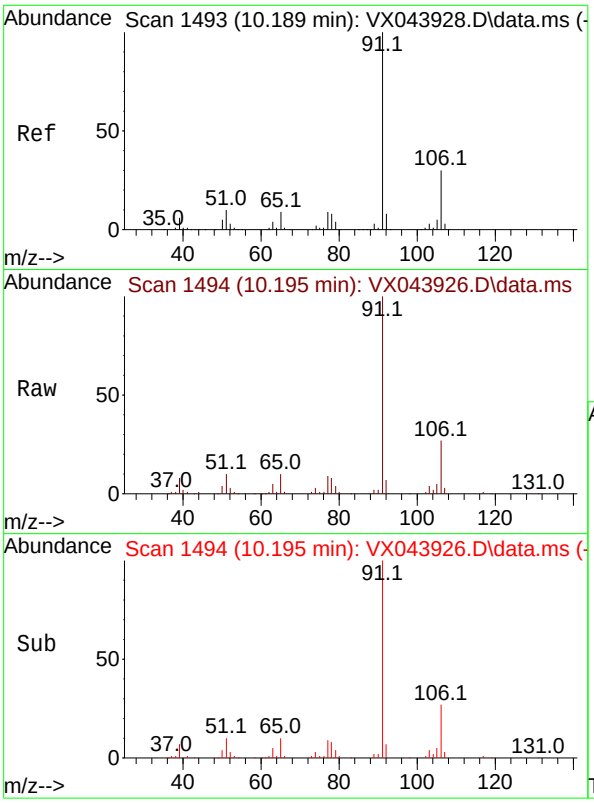


#66
1,1,1,2-Tetrachloroethane
Concen: 4.661 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:131 Resp: 7421

Ion	Ratio	Lower	Upper
131	100		
133	94.1	48.2	144.6
119	68.3	31.5	94.5



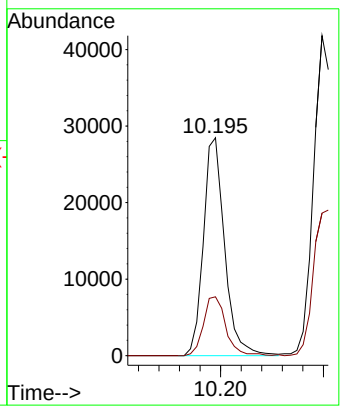


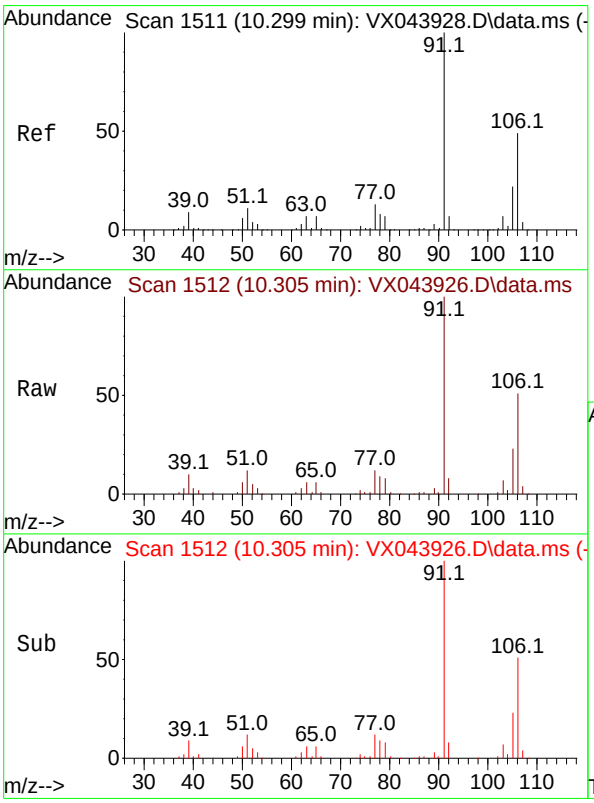
#67
Ethyl Benzene
Concen: 4.920 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 40927

Ion	Ratio	Lower	Upper
91	100		
106	27.0	23.6	35.4

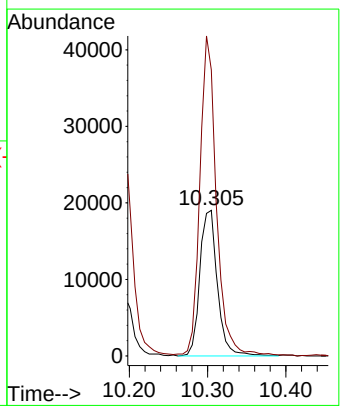


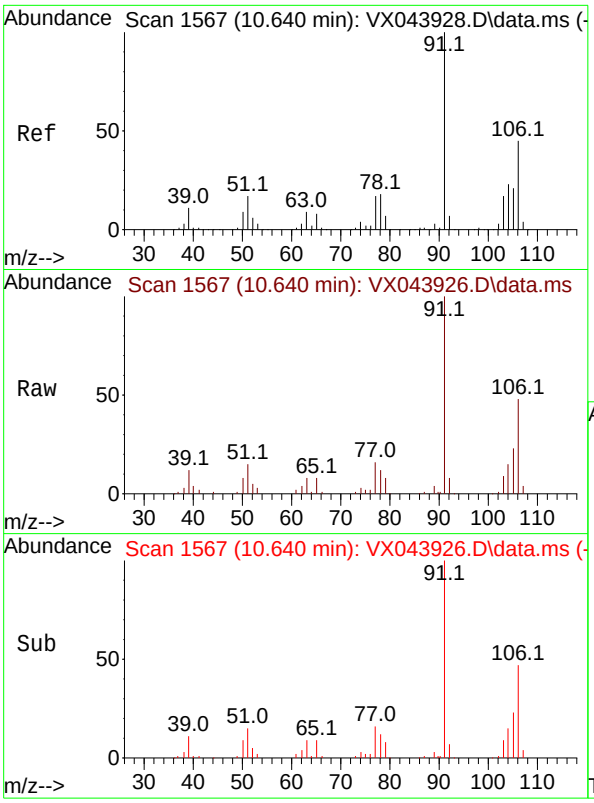


#68
m/p-Xylenes
Concen: 9.553 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:106 Resp: 29635

Ion	Ratio	Lower	Upper
106	100		
91	208.0	168.1	252.1



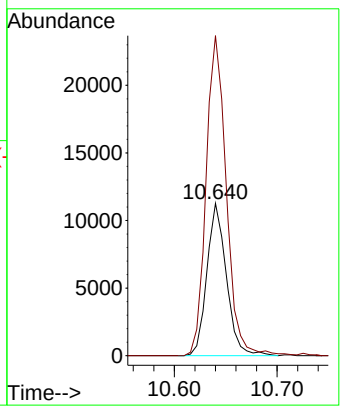


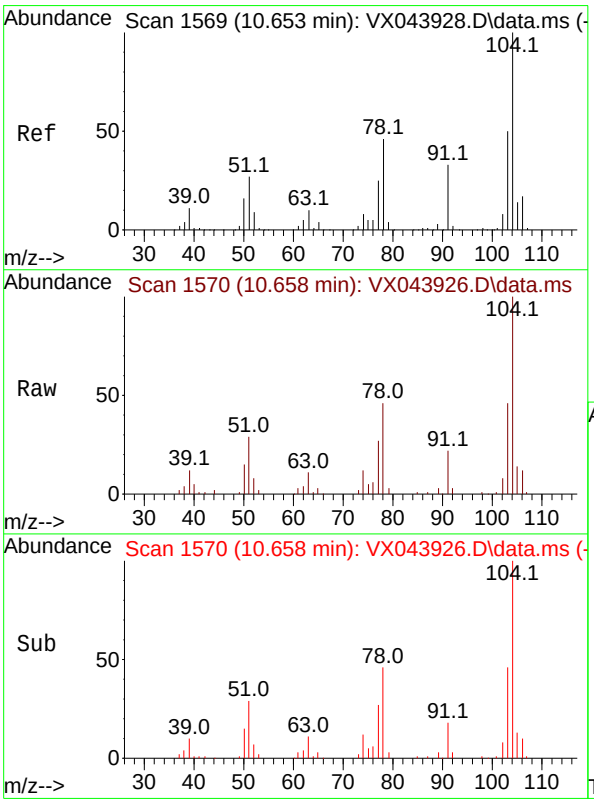
#69
o-Xylene
Concen: 4.905 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:106 Resp: 14856

Ion	Ratio	Lower	Upper
106	100		
91	217.8	110.2	330.6

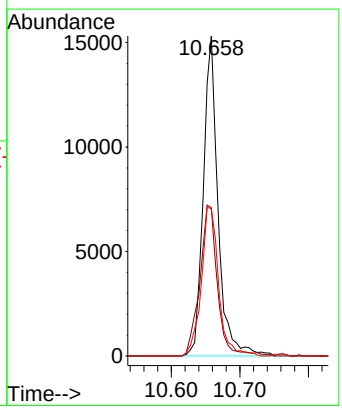


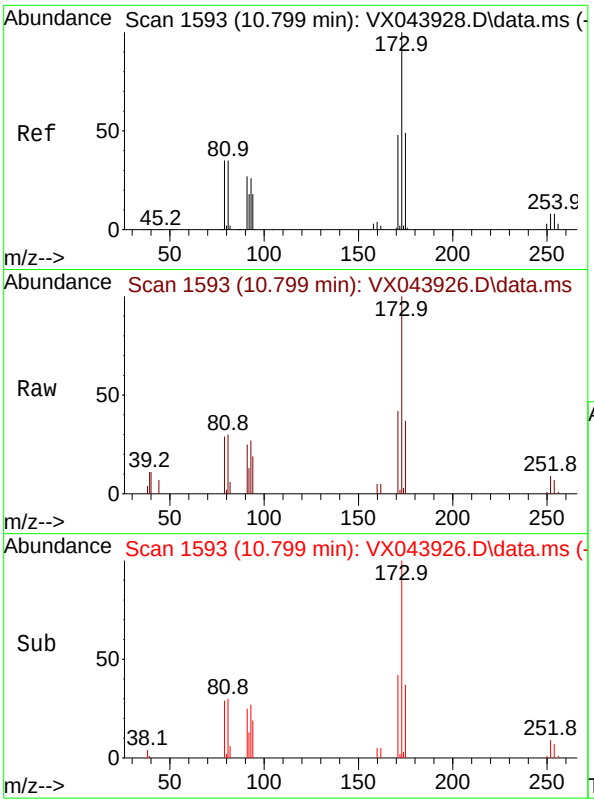


#70
Styrene
Concen: 4.573 ug/l
RT: 10.658 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:104 Resp: 22907

Ion	Ratio	Lower	Upper
104	100		
78	56.4	42.2	63.2
103	54.8	44.7	67.1



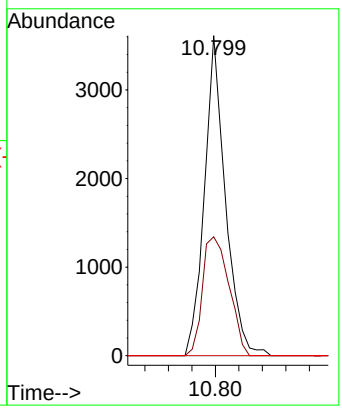


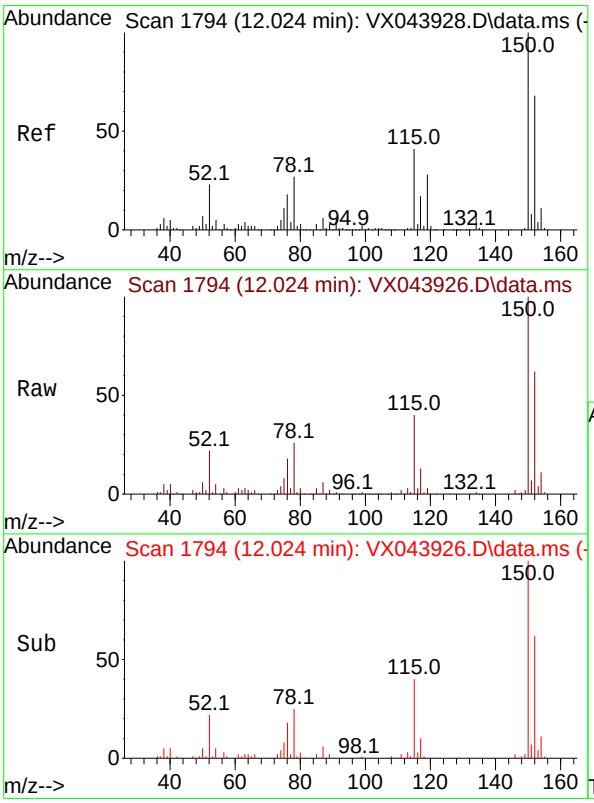
#71
Bromoform
Concen: 5.004 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:173 Resp: 4476

Ion	Ratio	Lower	Upper
173	100		
175	47.1	24.1	72.2
254	0.0	0.0	0.0

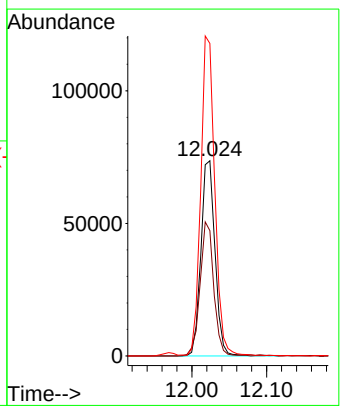


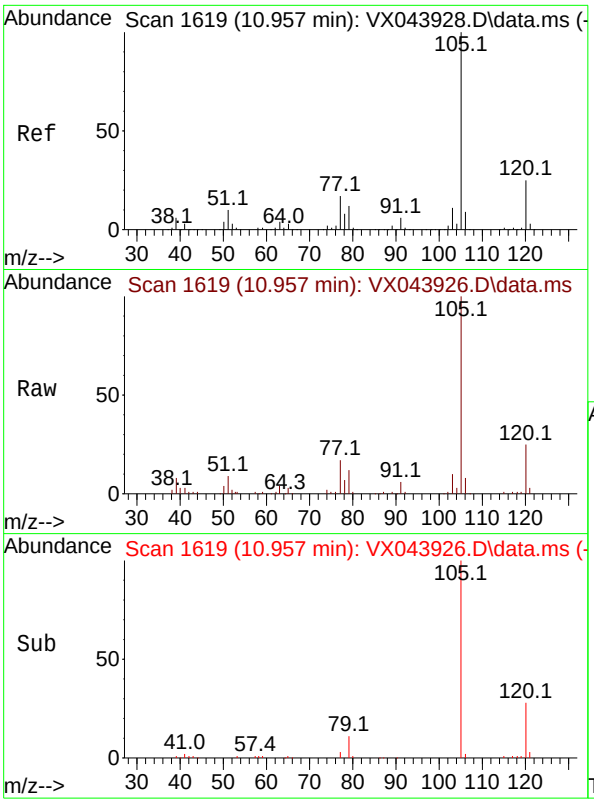


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:152 Resp: 96662

Ion	Ratio	Lower	Upper
152	100		
115	66.4	45.4	136.2
150	162.1	0.0	353.0



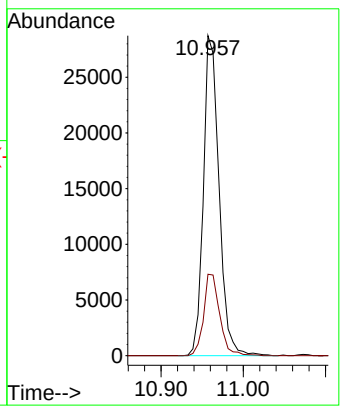


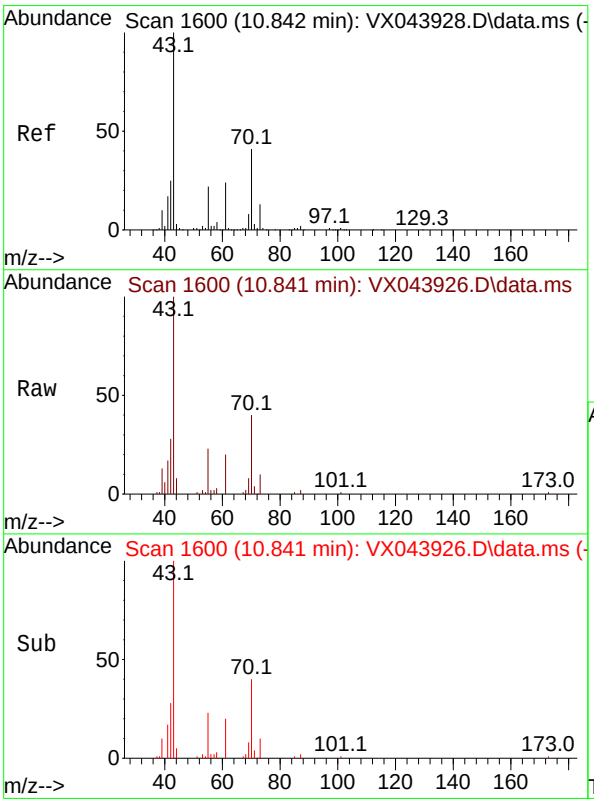
#73
Isopropylbenzene
Concen: 5.109 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 37958

Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.0	38.9

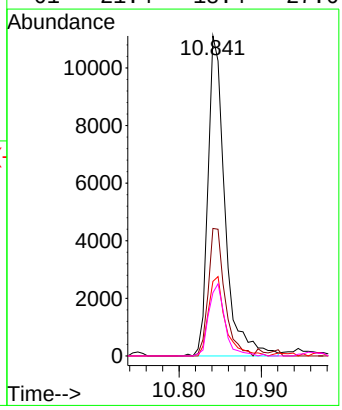


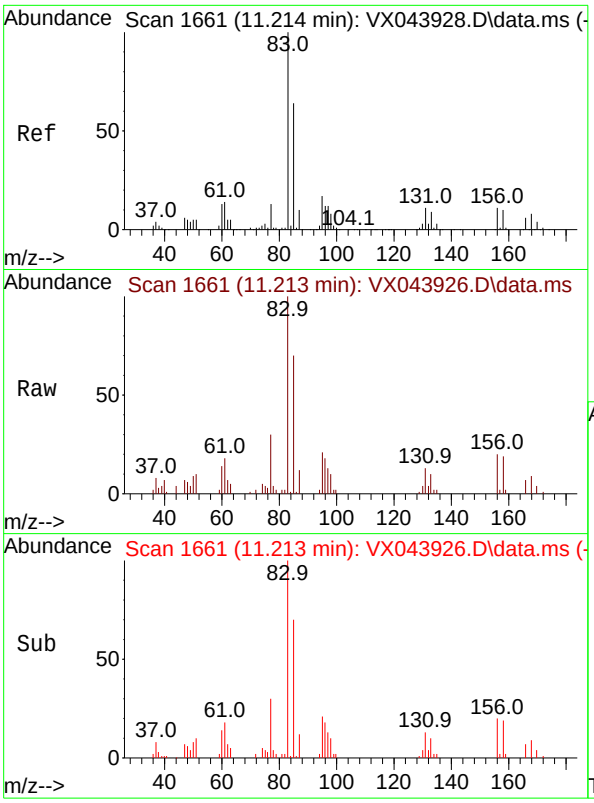


#74
N-amyl acetate
Concen: 4.627 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 43 Resp: 15928

Ion	Ratio	Lower	Upper
43	100		
70	38.5	32.2	48.2
55	24.8	18.1	27.1
61	21.4	18.4	27.6



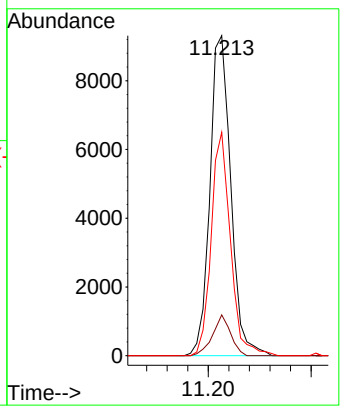


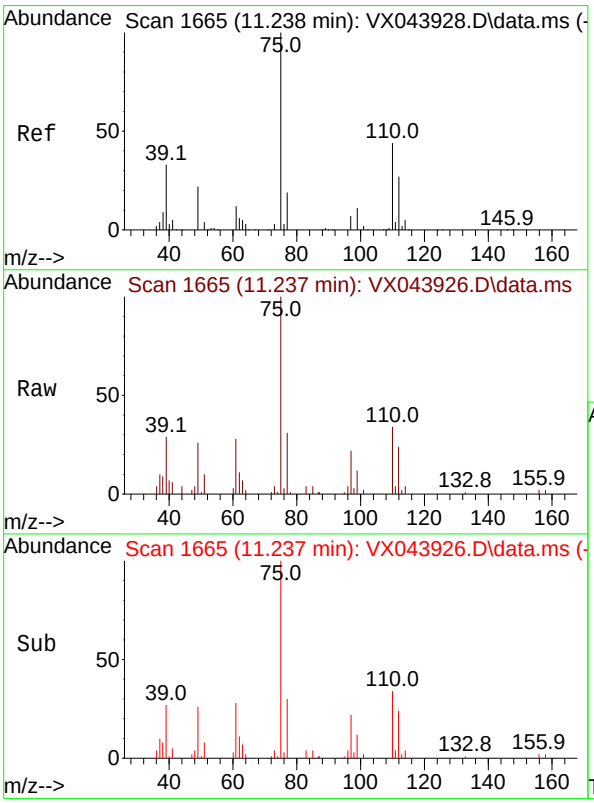
#75
1,1,2,2-Tetrachloroethane
Concen: 5.152 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 13107

Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.1	15.2
85	64.3	32.2	96.6

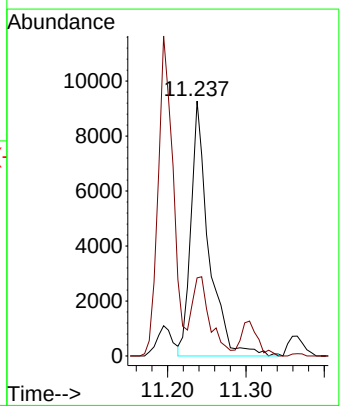


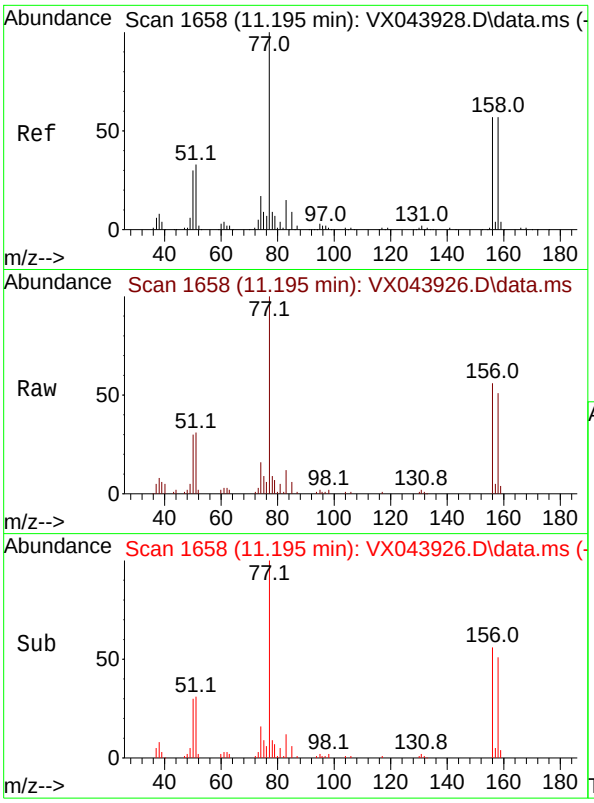


#76
1,2,3-Trichloropropane
Concen: 7.062 ug/l
RT: 11.237 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 75 Resp: 14721

Ion	Ratio	Lower	Upper
75	100		
77	30.5	21.8	65.3



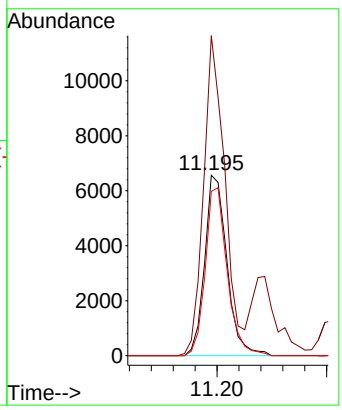


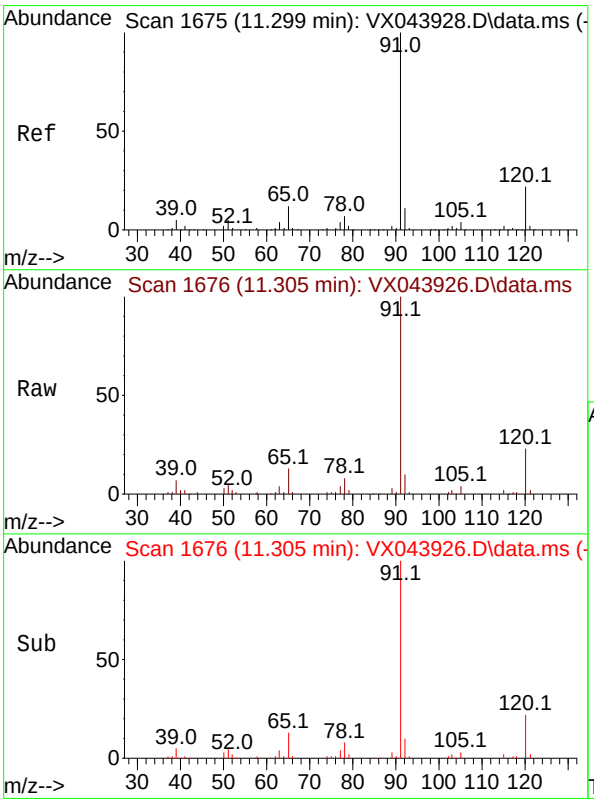
#77
Bromobenzene
Concen: 5.224 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:156 Resp: 9259

Ion	Ratio	Lower	Upper
156	100		
77	169.5	83.4	250.1
158	91.6	47.6	142.8

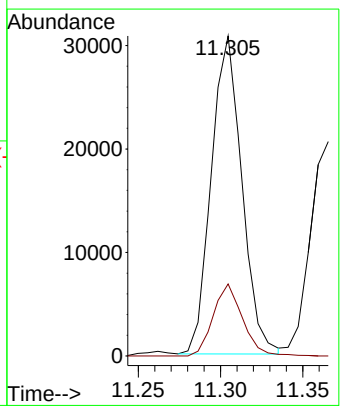


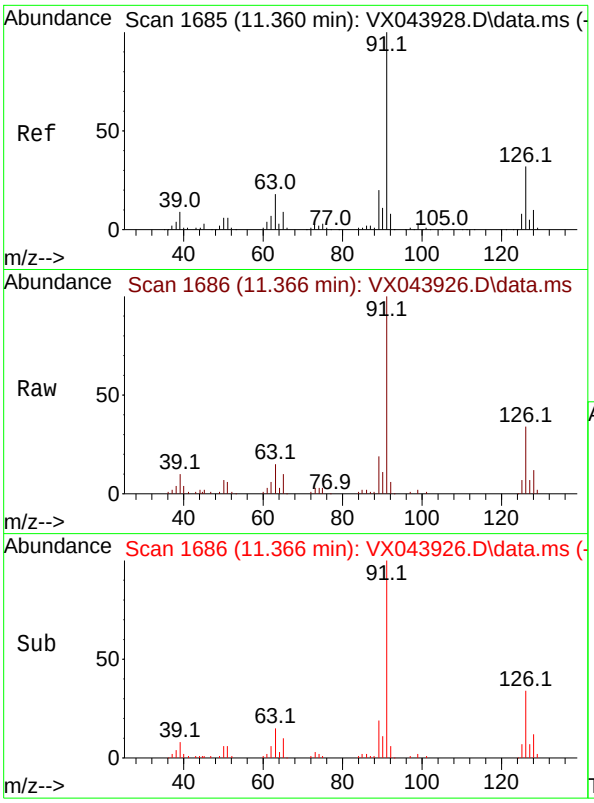


#78
n-propylbenzene
Concen: 4.793 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 91 Resp: 39774

Ion	Ratio	Lower	Upper
91	100		
120	21.7	11.5	34.4



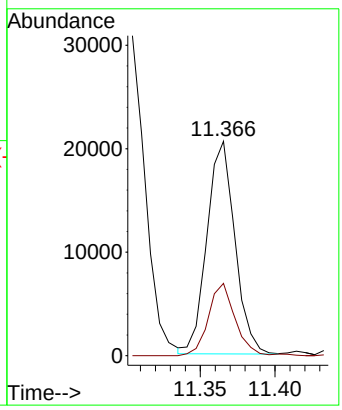


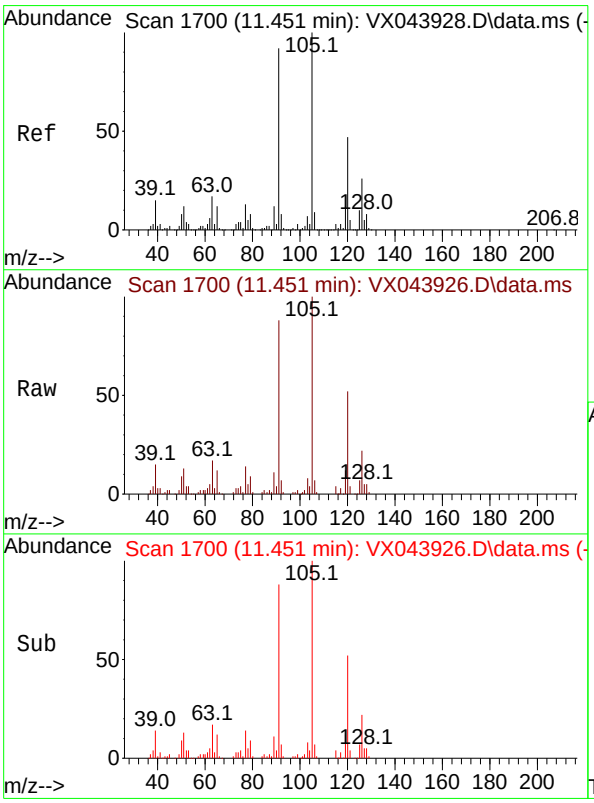
#79
2-Chlorotoluene
Concen: 5.096 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 26740

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.6	49.8

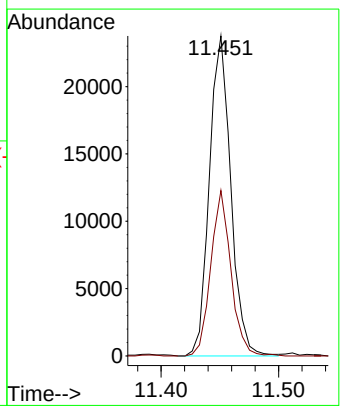


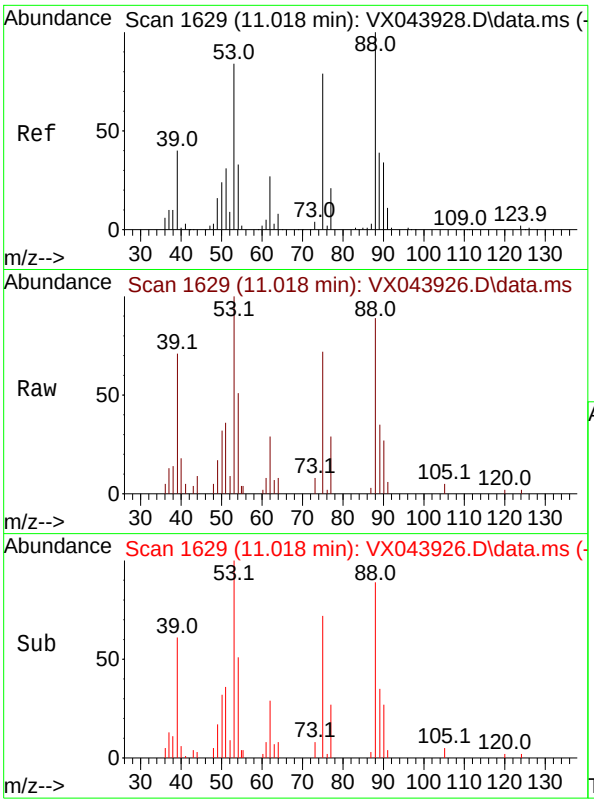


#80
1,3,5-Trimethylbenzene
Concen: 4.926 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:105 Resp: 30114

Ion	Ratio	Lower	Upper
105	100		
120	48.6	23.3	69.8



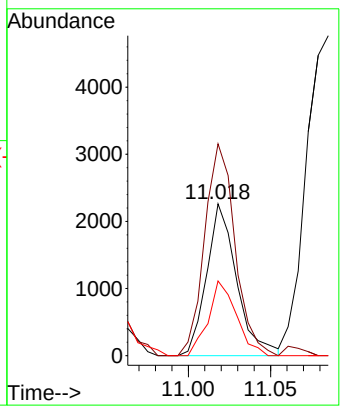


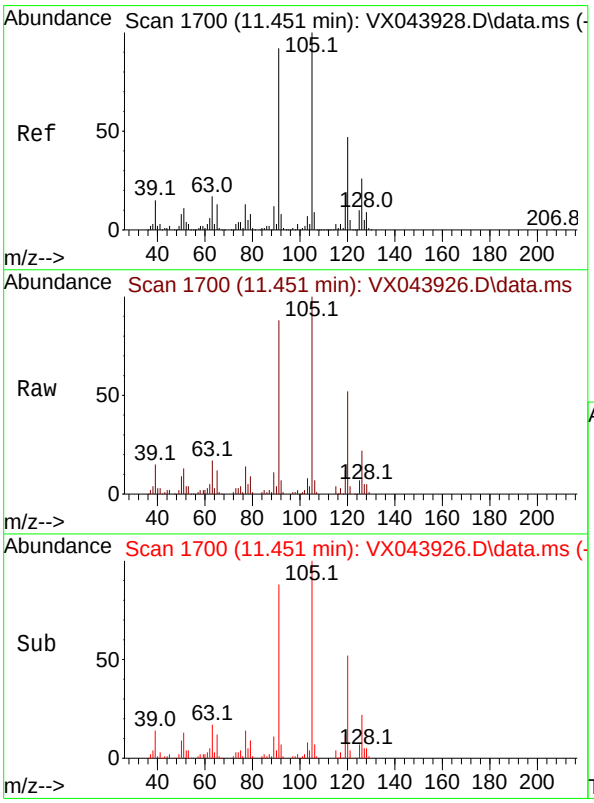
#81
trans-1,4-Dichloro-2-butene
Concen: 3.707 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 2880

Ion	Ratio	Lower	Upper
75	100		
53	141.1	86.7	130.1#
89	45.9	38.2	57.2

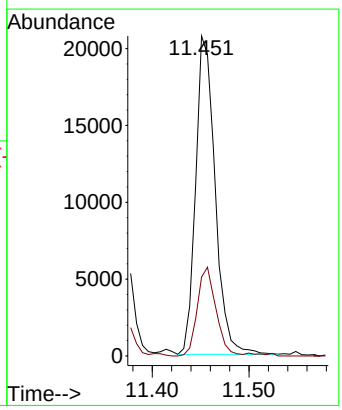


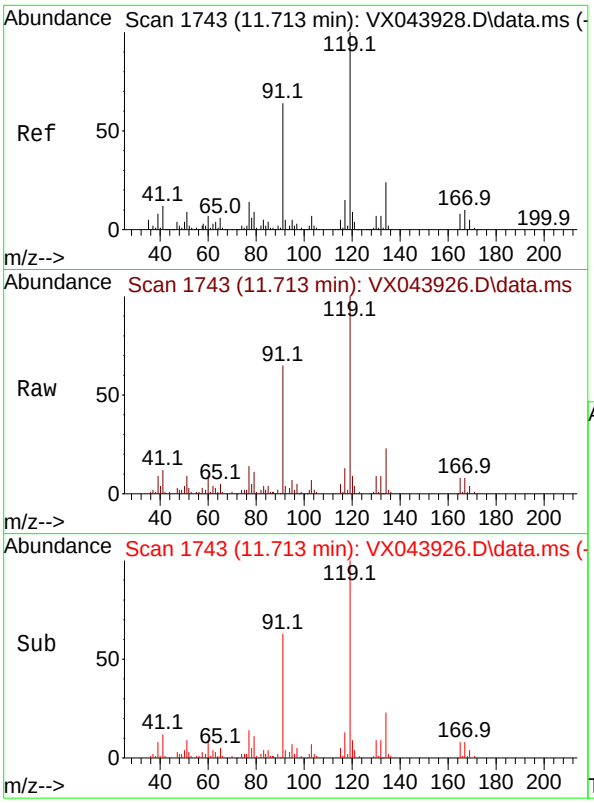


#82
4-Chlorotoluene
Concen: 4.903 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 91 Resp: 29049

Ion	Ratio	Lower	Upper
91	100		
126	26.7	14.3	42.9



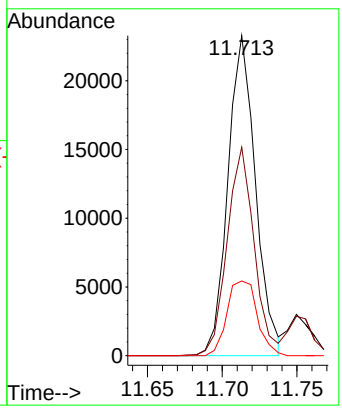


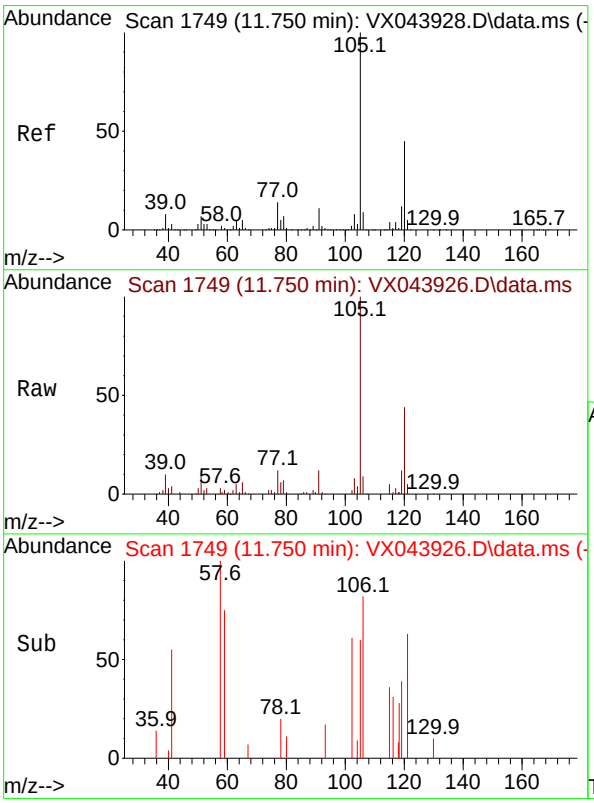
#83
tert-Butylbenzene
Concen: 4.940 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:119 Resp: 29934

Ion	Ratio	Lower	Upper
119	100		
91	63.8	31.0	93.0
134	25.6	11.6	34.8

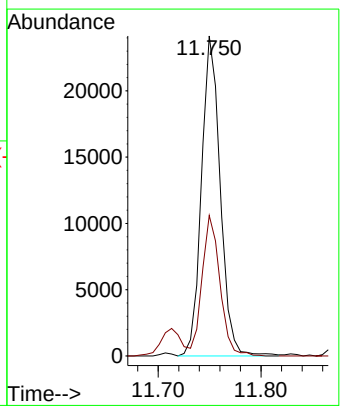


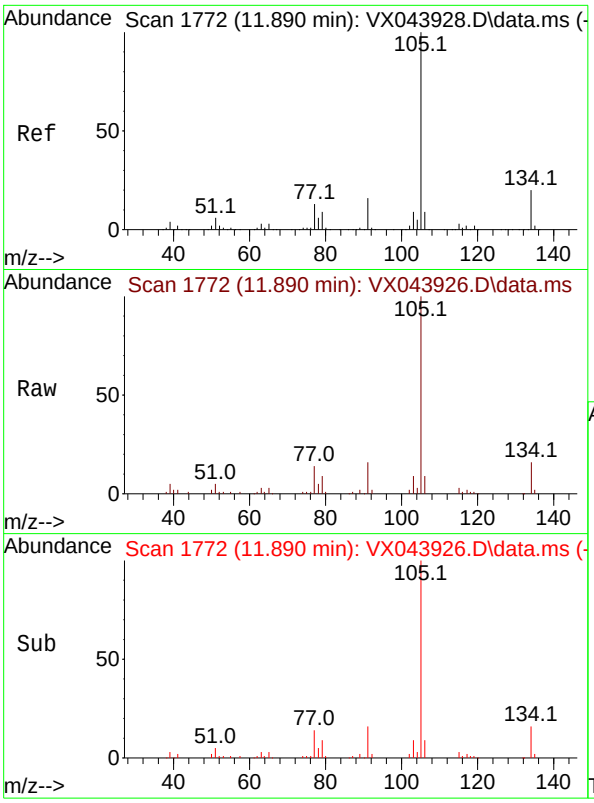


#84
1,2,4-Trimethylbenzene
Concen: 5.040 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:105 Resp: 30674

Ion	Ratio	Lower	Upper
105	100		
120	41.6	21.9	65.7



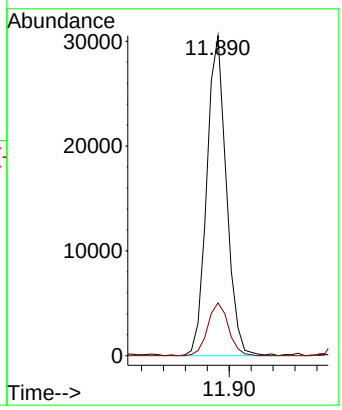


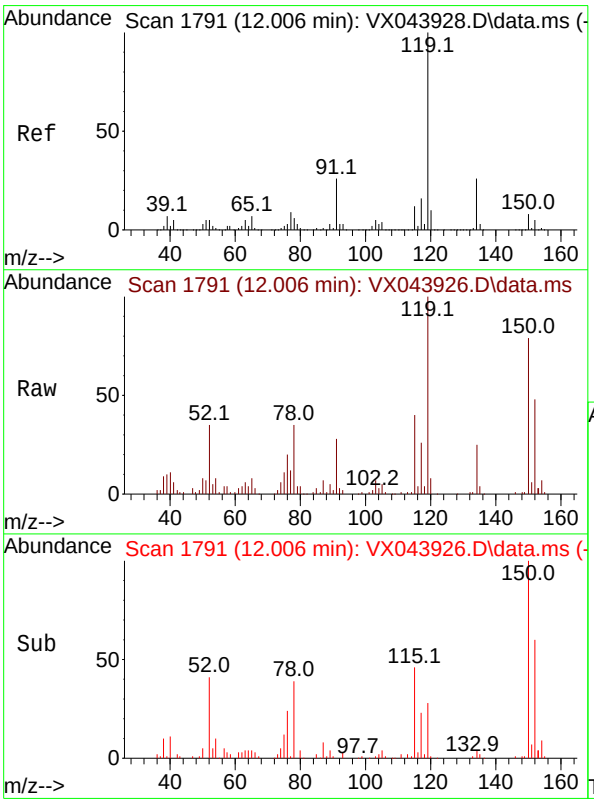
#85
sec-Butylbenzene
Concen: 5.105 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 37899

Ion	Ratio	Lower	Upper
105	100		
134	17.5	9.7	29.1

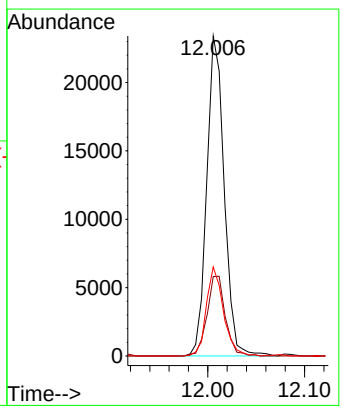


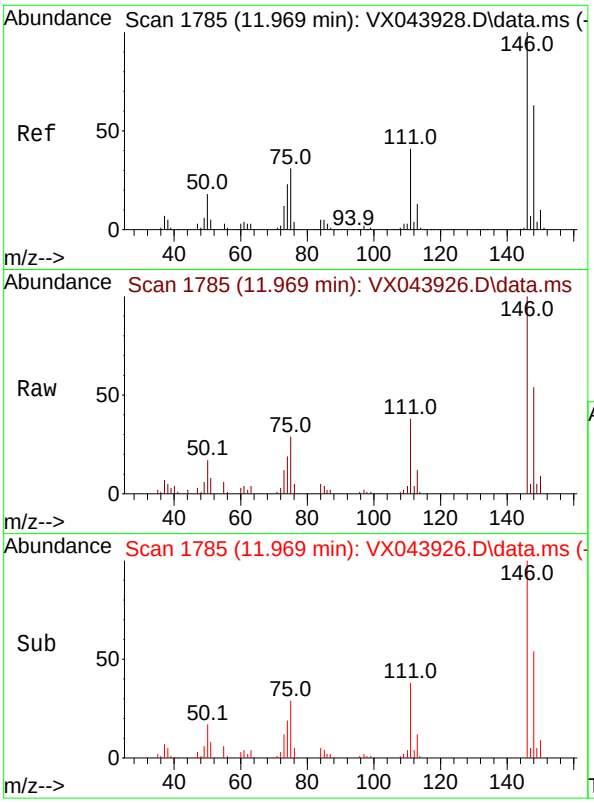


#86
p-Isopropyltoluene
Concen: 4.878 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:119 Resp: 29412

Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.0	38.9
91	27.3	13.0	38.9



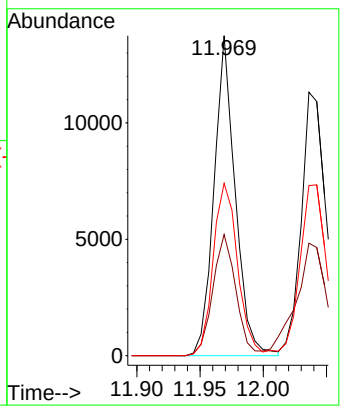


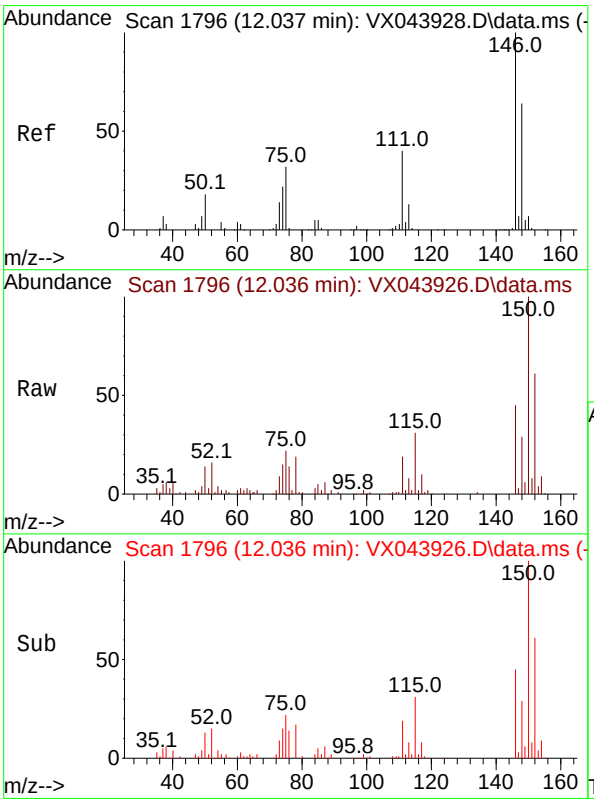
#87
1,3-Dichlorobenzene
Concen: 4.959 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 16008

Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.1	63.3
148	62.9	31.7	95.1

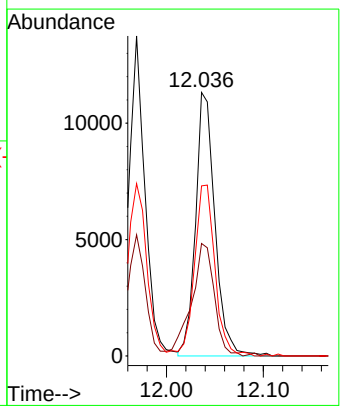


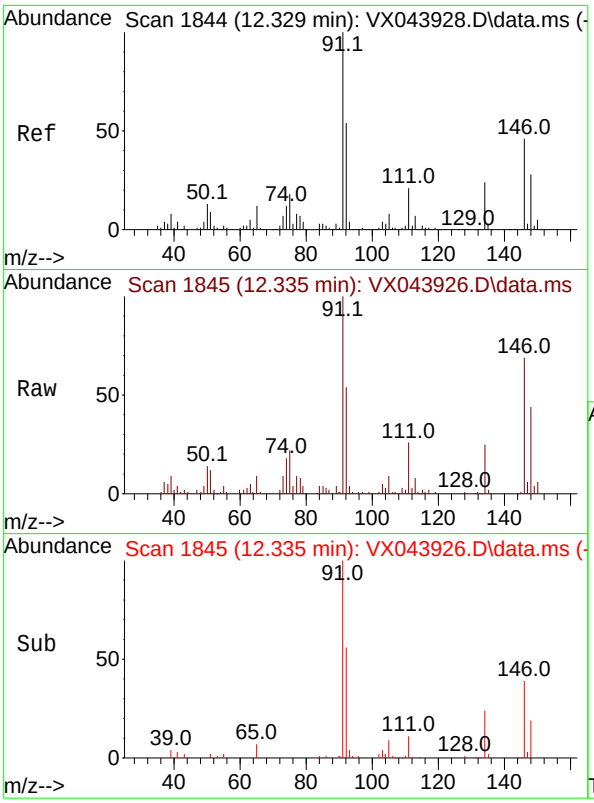


#88
1,4-Dichlorobenzene
Concen: 4.831 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:146 Resp: 15837

Ion	Ratio	Lower	Upper
146	100		
111	50.2	20.1	60.3
148	67.9	30.9	92.8



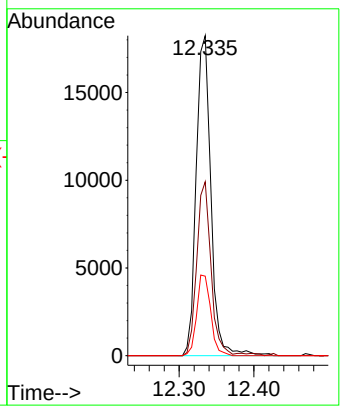


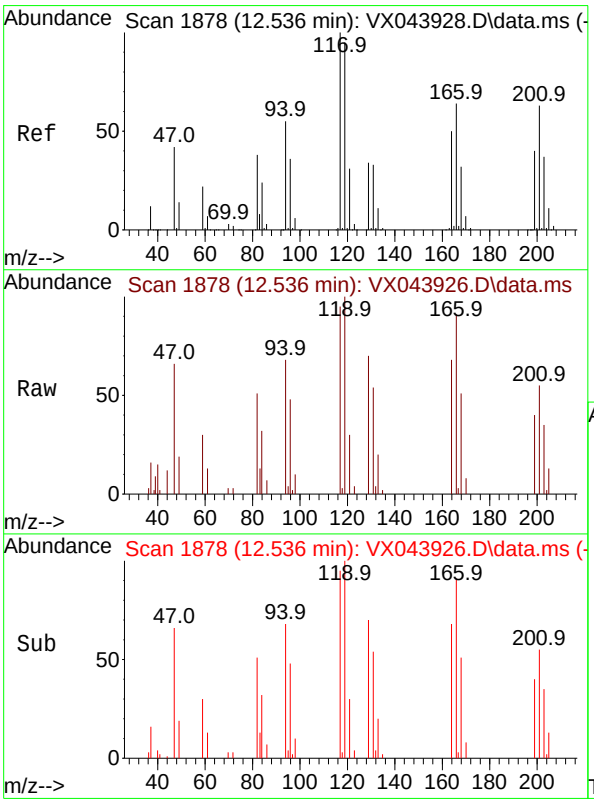
#89
n-Butylbenzene
Concen: 4.691 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 24938

Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.6	79.8
134	23.9	12.4	37.2

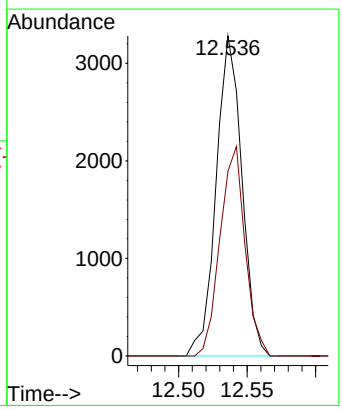


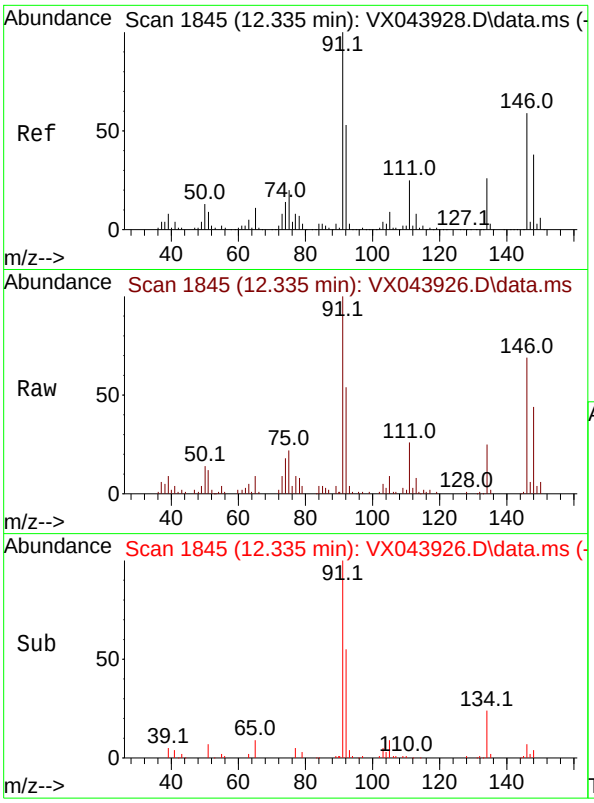


#90
Hexachloroethane
Concen: 4.173 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:117 Resp: 4279

Ion	Ratio	Lower	Upper
117	100		
201	63.6	32.4	97.0



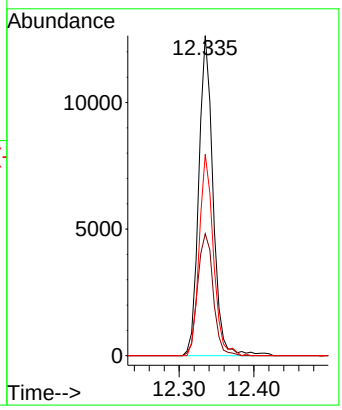


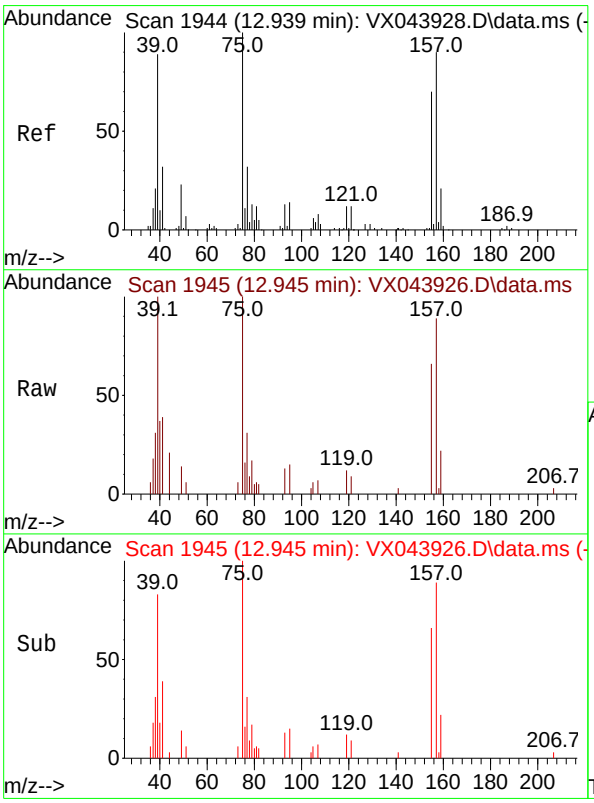
#91
1,2-Dichlorobenzene
Concen: 5.140 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 16747

Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.5	64.5
148	62.4	31.9	95.5

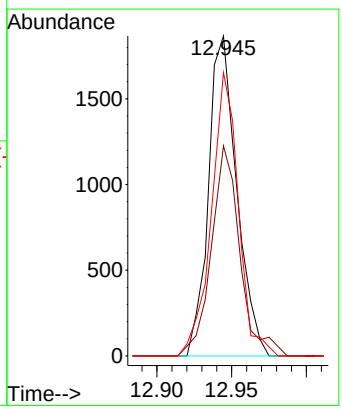


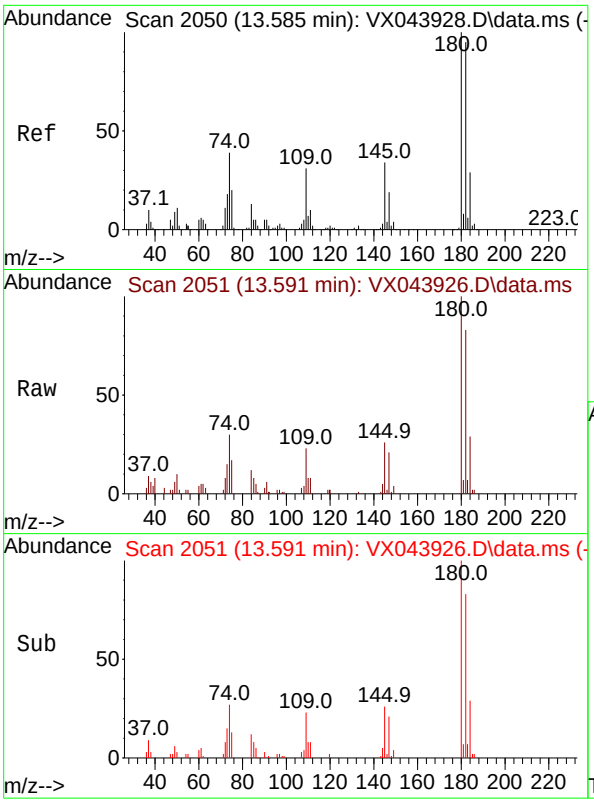


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.814 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 75 Resp: 2454

Ion	Ratio	Lower	Upper
75	100		
155	66.2	40.1	120.2
157	84.5	49.6	149.0



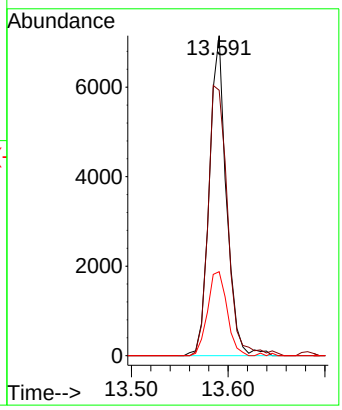


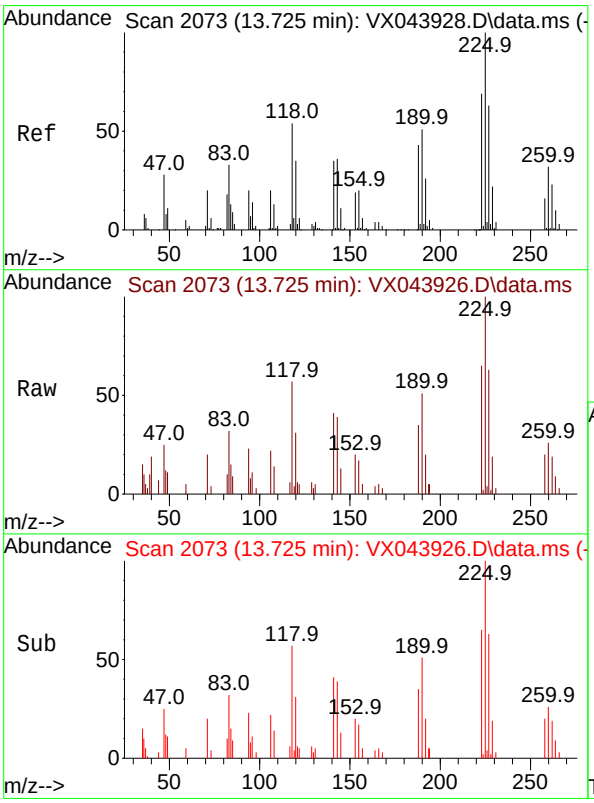
#93
1,2,4-Trichlorobenzene
Concen: 4.553 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:180 Resp: 8746

Ion	Ratio	Lower	Upper
180	100		
182	96.9	48.0	144.2
145	30.0	16.8	50.4

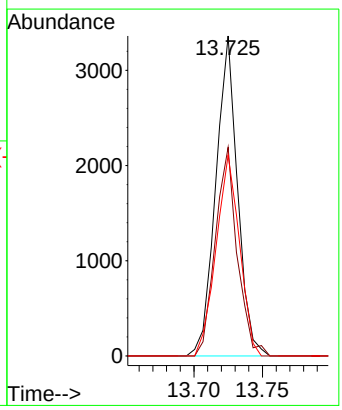


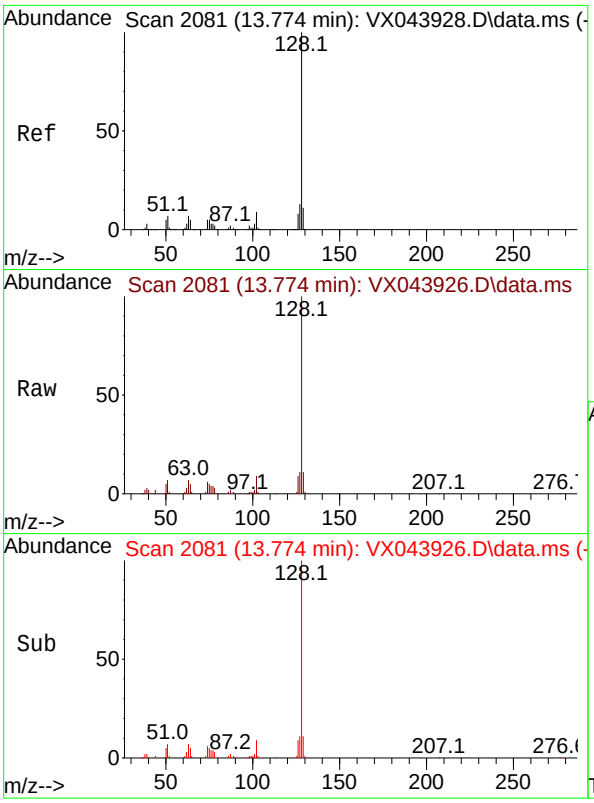


#94
Hexachlorobutadiene
Concen: 4.891 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:225 Resp: 3713

Ion	Ratio	Lower	Upper
225	100		
223	65.4	32.9	98.6
227	67.5	31.6	94.8



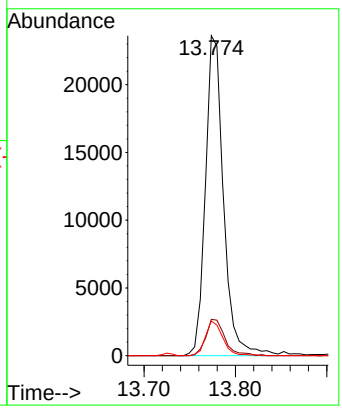


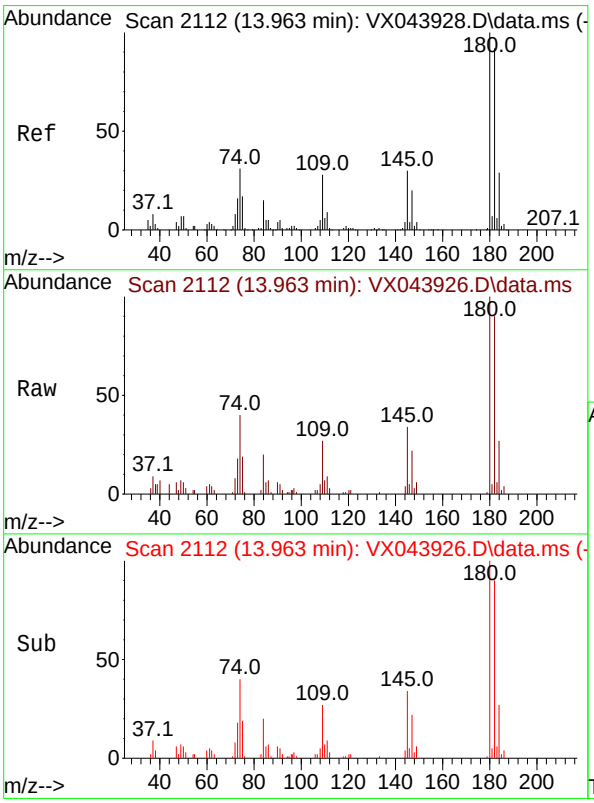
#95
Naphthalene
Concen: 4.698 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:128 Resp: 32485

Ion	Ratio	Lower	Upper
128	100		
127	12.0	10.2	15.2
129	10.4	8.6	12.8

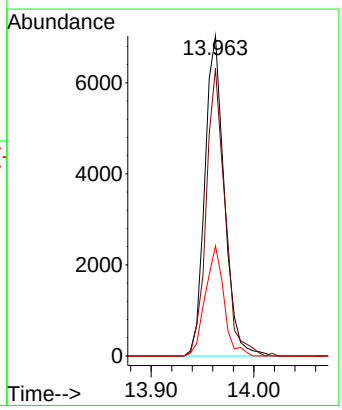




#96
1,2,3-Trichlorobenzene
Concen: 4.773 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:180 Resp: 9280

Ion	Ratio	Lower	Upper
180	100		
182	86.7	45.6	136.8
145	32.7	16.4	49.4



Quantitation Report (Not Reviewed)

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

Quant Time: Nov 22 03:29:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 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	0.01
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	20.437	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 40.880%#			
35) Dibromofluoromethane	5.385	113	35015	19.772	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 39.540%#			
50) Toluene-d8	8.647	98	122646	20.090	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 40.180%#			
62) 4-Bromofluorobenzene	11.079	95	41087	19.776	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 39.560%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	35268	20.230	ug/l	99
3) Chloromethane	1.295	50	39622	21.597	ug/l	93
4) Vinyl Chloride	1.374	62	40173	20.587	ug/l	95
5) Bromomethane	1.593	94	24112	20.086	ug/l	98
6) Chloroethane	1.666	64	22213	18.682	ug/l	99
7) Trichlorofluoromethane	1.868	101	73464	21.058	ug/l	99
8) Diethyl Ether	2.136	74	25875	20.349	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	33284	20.001	ug/l	98
10) Methyl Iodide	2.441	142	43047	20.712	ug/l	99
11) Tert butyl alcohol	3.002	59	36554	96.484	ug/l	99
12) 1,1-Dichloroethene	2.307	96	32180	20.293	ug/l	96
13) Acrolein	2.240	56	35249	88.269	ug/l	98
14) Allyl chloride	2.660	41	53053	20.475	ug/l	96
15) Acrylonitrile	3.069	53	94417	102.265	ug/l	100
16) Acetone	2.386	43	110373	101.811	ug/l	95
17) Carbon Disulfide	2.502	76	59349	18.144	ug/l	98
18) Methyl Acetate	2.709	43	50136	19.859	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	121776	21.150	ug/l	98
20) Methylene Chloride	2.788	84	37633	20.456	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	33545	20.489	ug/l	96
22) Diisopropyl ether	3.764	45	119475	21.564	ug/l	96
23) Vinyl Acetate	3.721	43	504408	106.423	ug/l	98
24) 1,1-Dichloroethane	3.599	63	67233	21.034	ug/l	99
25) 2-Butanone	4.568	43	148152	105.912	ug/l	99
26) 2,2-Dichloropropane	4.471	77	58444	20.246	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	41866	20.688	ug/l	98
28) Bromochloromethane	4.891	49	26507	18.840	ug/l	98
29) Tetrahydrofuran	5.013	42	87736	102.308	ug/l	100
30) Chloroform	5.087	83	72049	20.958	ug/l	97
31) Cyclohexane	5.458	56	53731	20.425	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	62394	21.046	ug/l	99
36) 1,1-Dichloropropene	5.684	75	44465	20.149	ug/l	99
37) Ethyl Acetate	4.715	43	54426	19.868	ug/l	99
38) Carbon Tetrachloride	5.672	117	48701	19.640	ug/l	98
39) Methylcyclohexane	7.379	83	55958	19.518	ug/l	95
40) Benzene	6.025	78	144401	21.006	ug/l	99

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

Quant Time: Nov 22 03:29:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	28938	20.639	ug/l		95
42) 1,2-Dichloroethane	6.086	62	57981	21.001	ug/l		99
43) Isopropyl Acetate	6.349	43	88577	20.318	ug/l		100
44) Trichloroethene	7.117	130	36440	18.726	ug/l		87
45) 1,2-Dichloropropane	7.428	63	35791	21.258	ug/l		95
46) Dibromomethane	7.580	93	27799	20.873	ug/l		98
47) Bromodichloromethane	7.818	83	49665	20.792	ug/l		97
48) Methyl methacrylate	7.690	41	41962	20.059	ug/l		98
49) 1,4-Dioxane	7.665	88	12071	334.681	ug/l	#	77
51) 4-Methyl-2-Pentanone	8.574	43	278479	104.673	ug/l		100
52) Toluene	8.714	92	87569	21.284	ug/l		97
53) t-1,3-Dichloropropene	8.976	75	50294	20.648	ug/l		97
54) cis-1,3-Dichloropropene	8.366	75	56407	21.124	ug/l		99
55) 1,1,2-Trichloroethane	9.153	97	37148	21.872	ug/l		95
56) Ethyl methacrylate	9.116	69	56585	21.390	ug/l		99
57) 1,3-Dichloropropane	9.305	76	61420	21.468	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	136842	93.712	ug/l		97
59) 2-Hexanone	9.433	43	213629	106.832	ug/l		100
60) Dibromochloromethane	9.519	129	34133	20.030	ug/l		99
61) 1,2-Dibromoethane	9.610	107	36985	21.536	ug/l		99
64) Tetrachloroethene	9.269	164	29274	20.377	ug/l		98
65) Chlorobenzene	10.080	112	96469	20.160	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	32353	20.848	ug/l		99
67) Ethyl Benzene	10.189	91	166435	20.527	ug/l		99
68) m/p-Xylenes	10.299	106	122658	40.565	ug/l		99
69) o-Xylene	10.640	106	60254	20.409	ug/l		94
70) Styrene	10.653	104	102329	20.956	ug/l		99
71) Bromoform	10.799	173	19329	17.792	ug/l	#	96
73) Isopropylbenzene	10.964	105	157405	20.794	ug/l		99
74) N-amyl acetate	10.842	43	73525	20.967	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	54158	20.894	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	58738	27.659	ug/l		82
77) Bromobenzene	11.195	156	37631	20.839	ug/l		99
78) n-propylbenzene	11.305	91	176034	20.821	ug/l		98
79) 2-Chlorotoluene	11.360	91	112986	21.134	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	132041	21.202	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	14743	18.629	ug/l		93
82) 4-Chlorotoluene	11.451	91	125521	20.797	ug/l		99
83) tert-Butylbenzene	11.713	119	128636	20.839	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	132595	21.385	ug/l		99
85) sec-Butylbenzene	11.890	105	156312	20.668	ug/l		99
86) p-Isopropyltoluene	12.006	119	130605	21.260	ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	67003	20.372	ug/l		99
88) 1,4-Dichlorobenzene	12.043	146	67195	20.118	ug/l		96
89) n-Butylbenzene	12.329	91	110491	20.399	ug/l		99
90) Hexachloroethane	12.536	117	19547	18.712	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	67852	20.443	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	9939	19.137	ug/l		98
93) 1,2,4-Trichlorobenzene	13.591	180	38866	19.862	ug/l		98
94) Hexachlorobutadiene	13.725	225	14818	19.160	ug/l		96
95) Naphthalene	13.774	128	145678	20.681	ug/l		99
96) 1,2,3-Trichlorobenzene	13.963	180	41554	20.981	ug/l		99

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

Quant Time: Nov 22 03:29:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

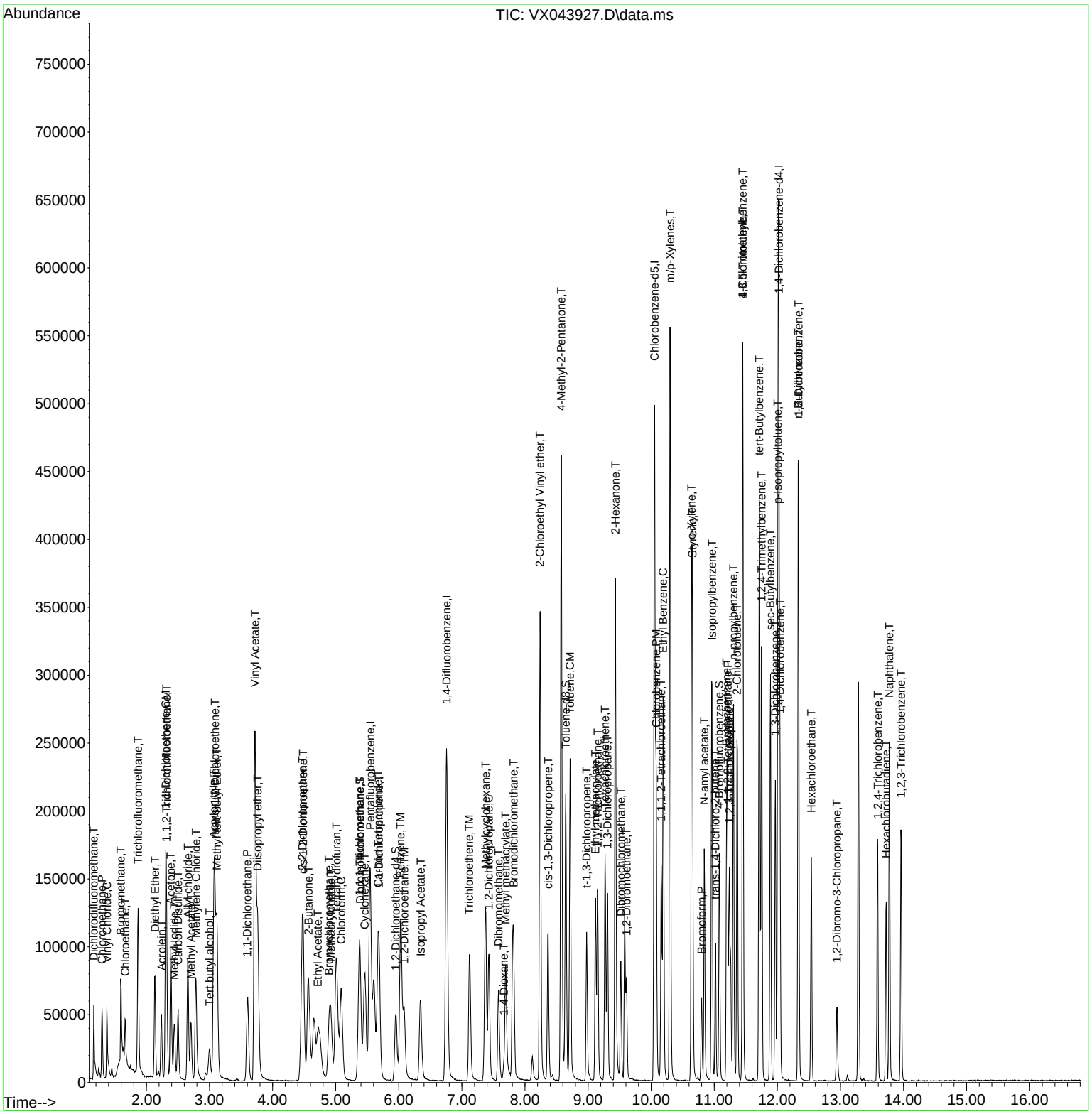
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

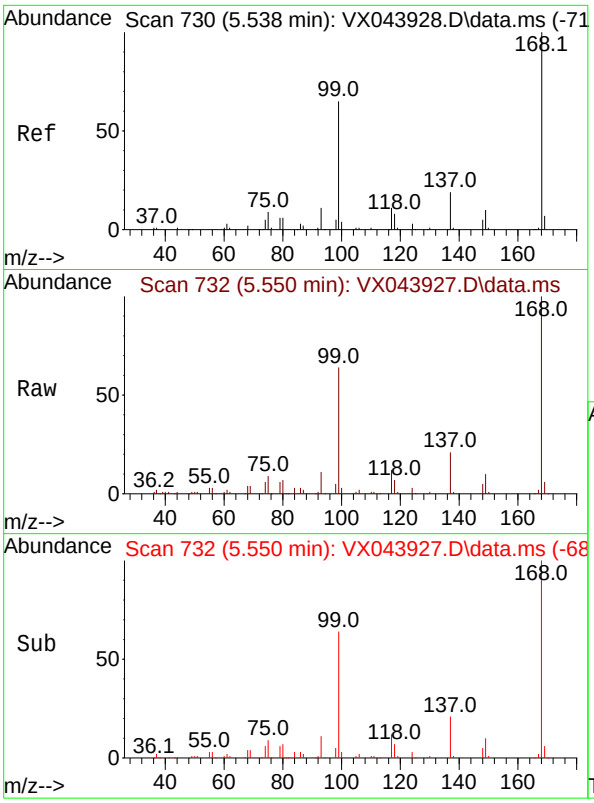
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\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

Quant Time: Nov 22 03:29:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration



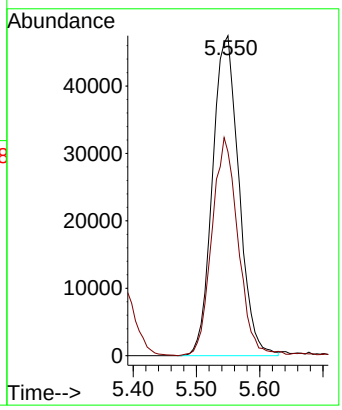


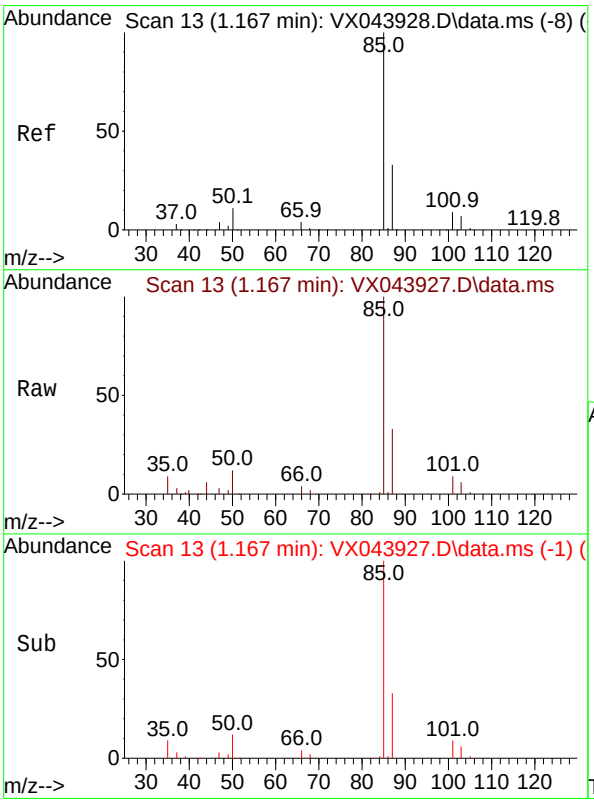
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.012 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:168 Resp: 137617

Ion	Ratio	Lower	Upper
168	100		
99	63.7	51.8	77.8

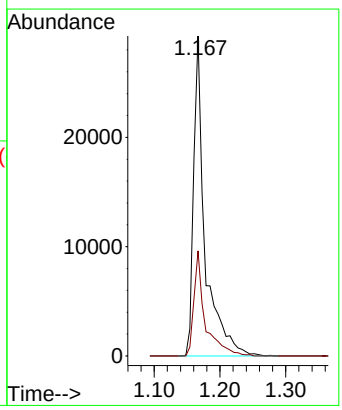


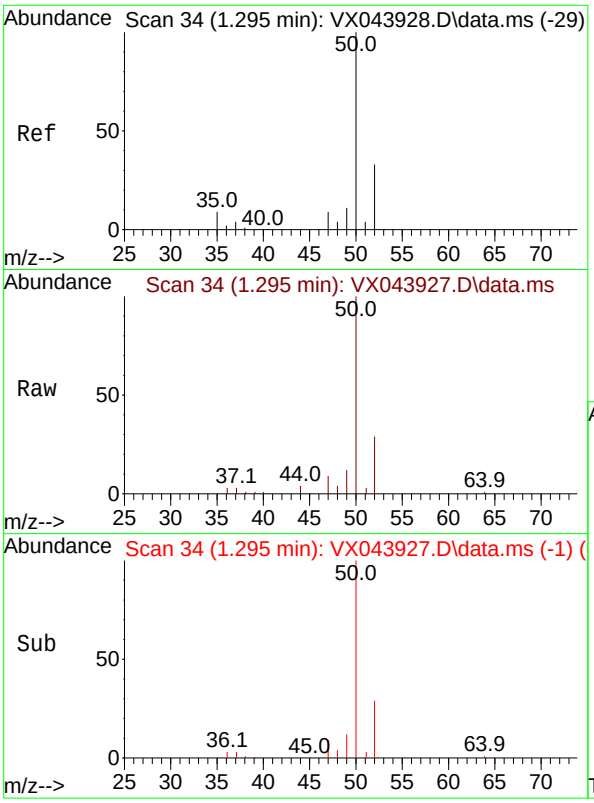


#2
Dichlorodifluoromethane
Concen: 20.230 ug/l
RT: 1.167 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 85 Resp: 35268

Ion	Ratio	Lower	Upper
85	100		
87	32.8	16.6	49.8



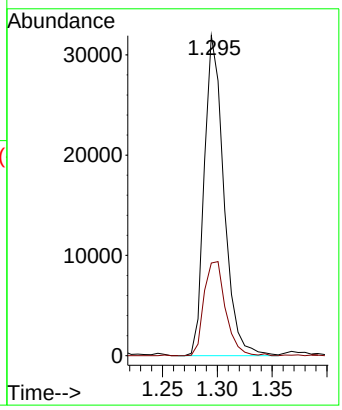


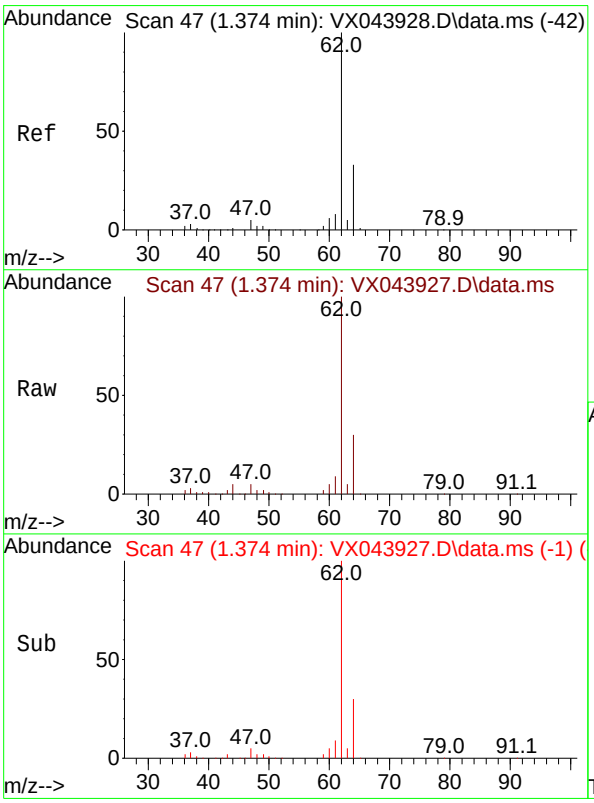
#3
Chloromethane
Concen: 21.597 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 39622

Ion	Ratio	Lower	Upper
50	100		
52	28.9	26.1	39.1

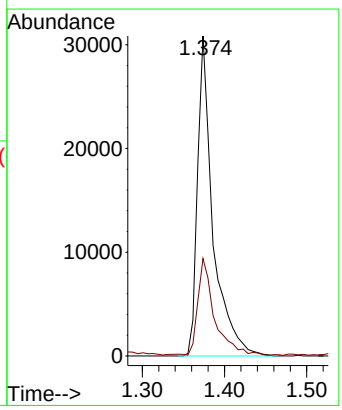


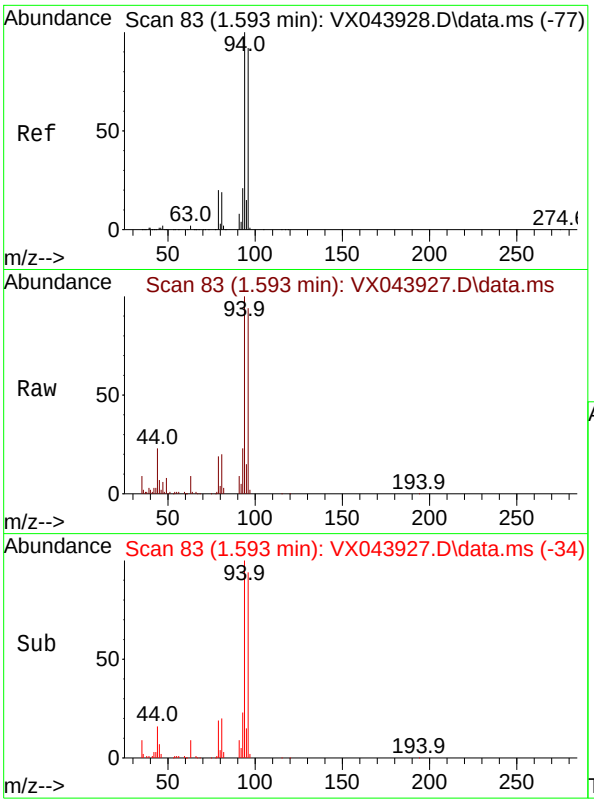


#4
Vinyl Chloride
Concen: 20.587 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 62 Resp: 40173

Ion	Ratio	Lower	Upper
62	100		
64	30.0	26.2	39.4



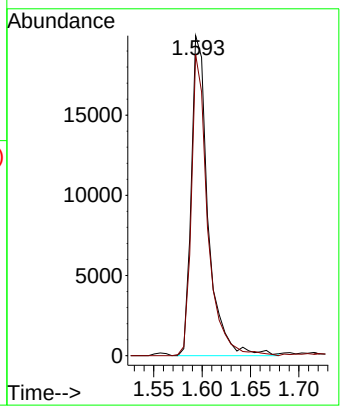


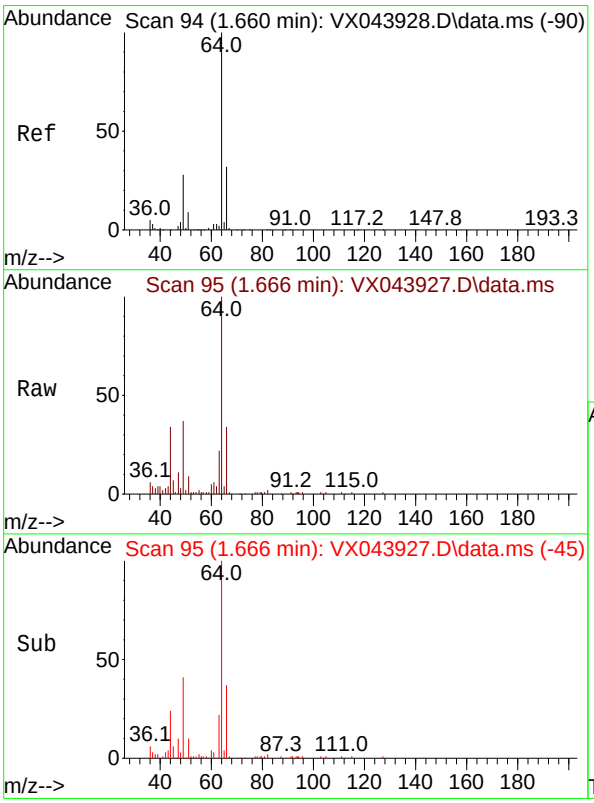
#5
Bromomethane
Concen: 20.086 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 24112

Ion	Ratio	Lower	Upper
94	100		
96	94.1	73.9	110.9

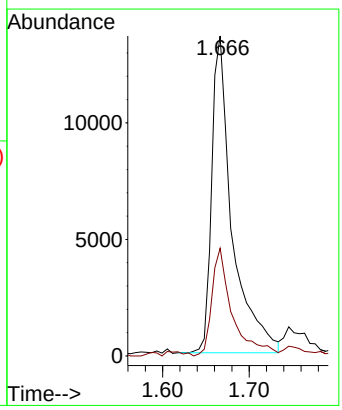


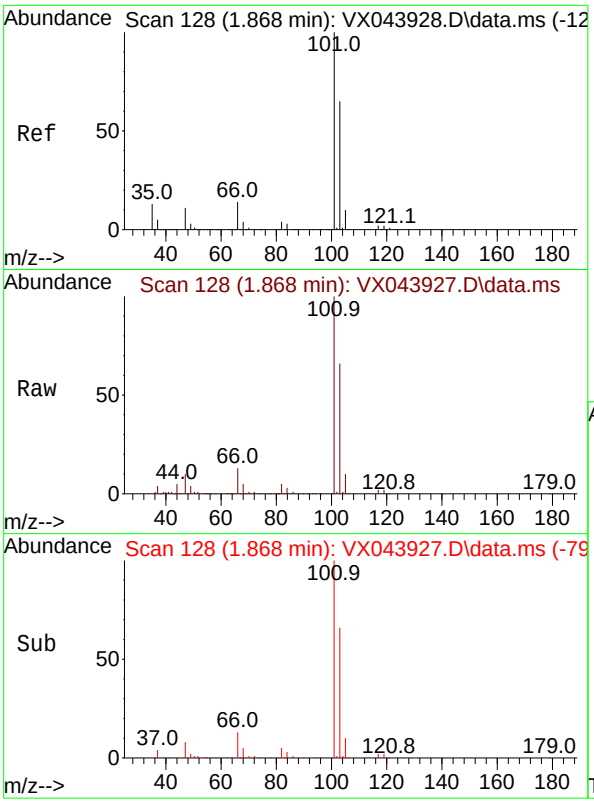


#6
Chloroethane
Concen: 18.682 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 64 Resp: 22213

Ion	Ratio	Lower	Upper
64	100		
66	32.9	25.9	38.9



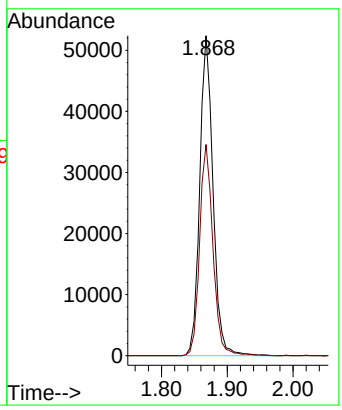


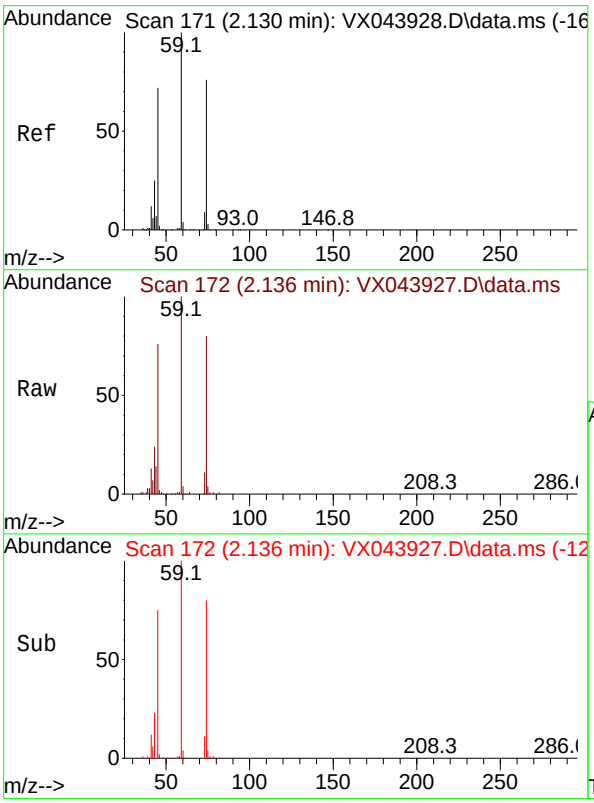
#7
Trichlorofluoromethane
Concen: 21.058 ug/l
RT: 1.868 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 73464

Ion	Ratio	Lower	Upper
101	100		
103	66.0	52.2	78.2

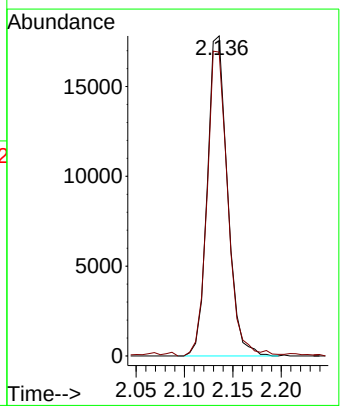


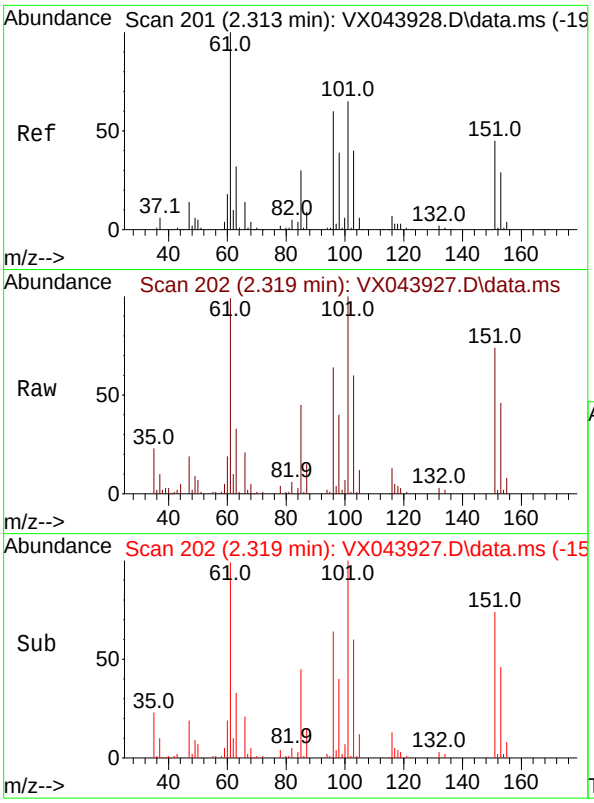


#8
Diethyl Ether
Concen: 20.349 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 74 Resp: 25875

Ion	Ratio	Lower	Upper
74	100		
45	98.4	47.9	143.6



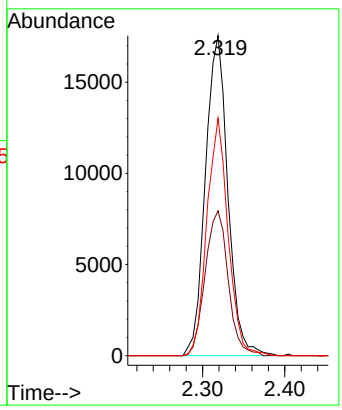


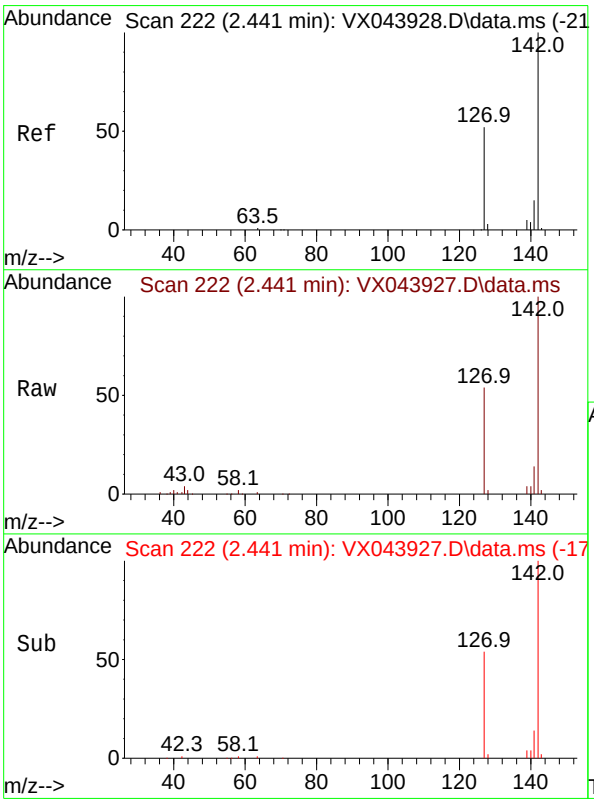
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.001 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 33284

Ion	Ratio	Lower	Upper
101	100		
85	46.3	37.9	56.9
151	70.1	57.5	86.3

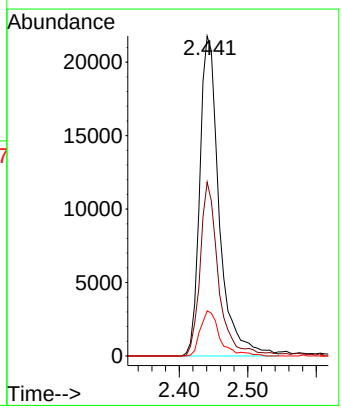


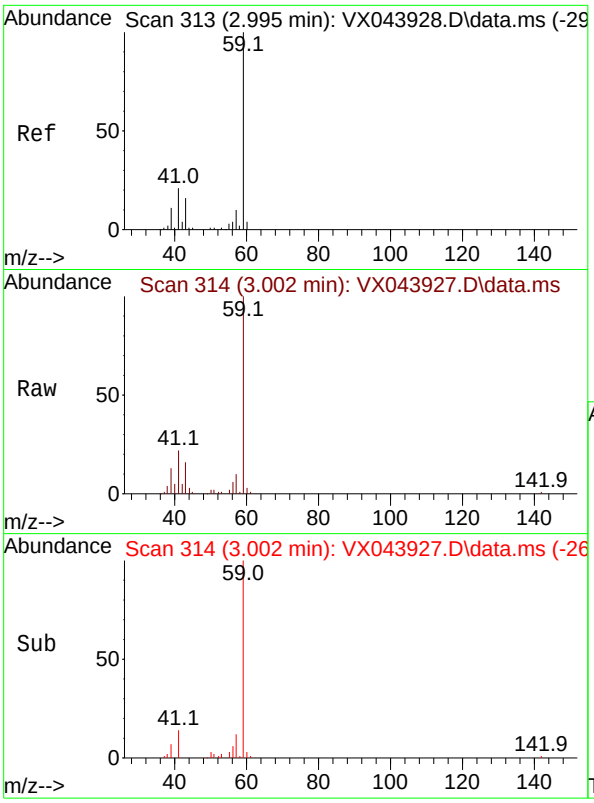


#10
Methyl Iodide
Concen: 20.712 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:142 Resp: 43047

Ion	Ratio	Lower	Upper
142	100		
127	51.8	40.7	61.1
141	14.2	12.0	18.0



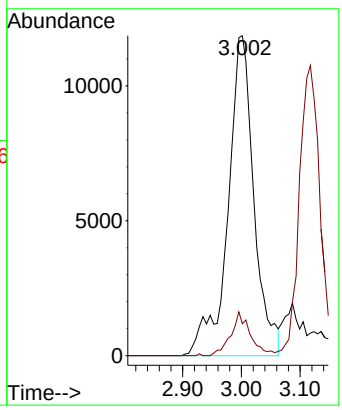


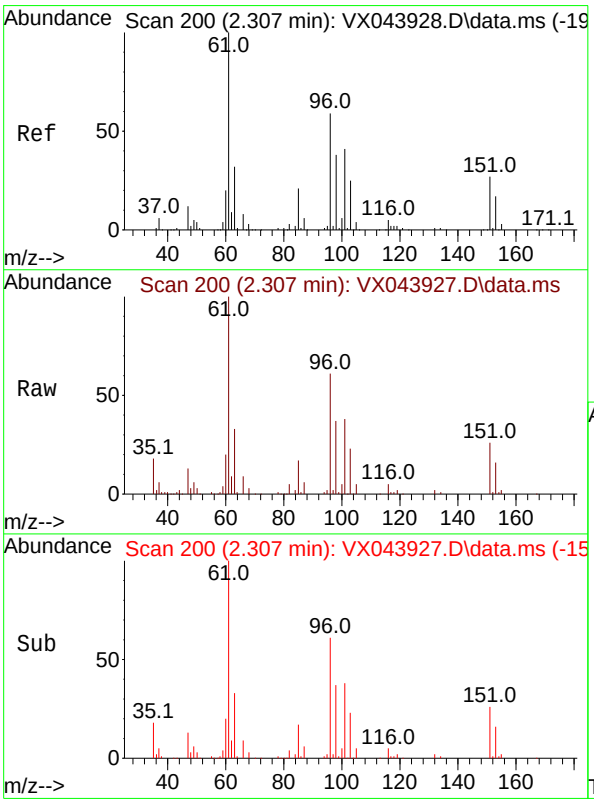
#11
Tert butyl alcohol
Concen: 96.484 ug/l
RT: 3.002 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 59 Resp: 36554

Ion	Ratio	Lower	Upper
59	100		
57	10.3	7.9	11.9

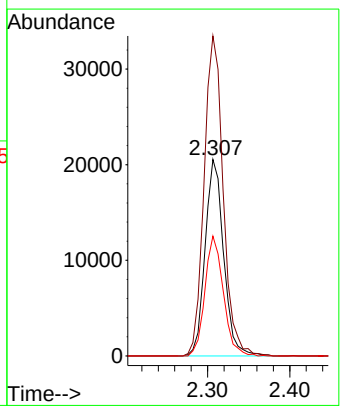


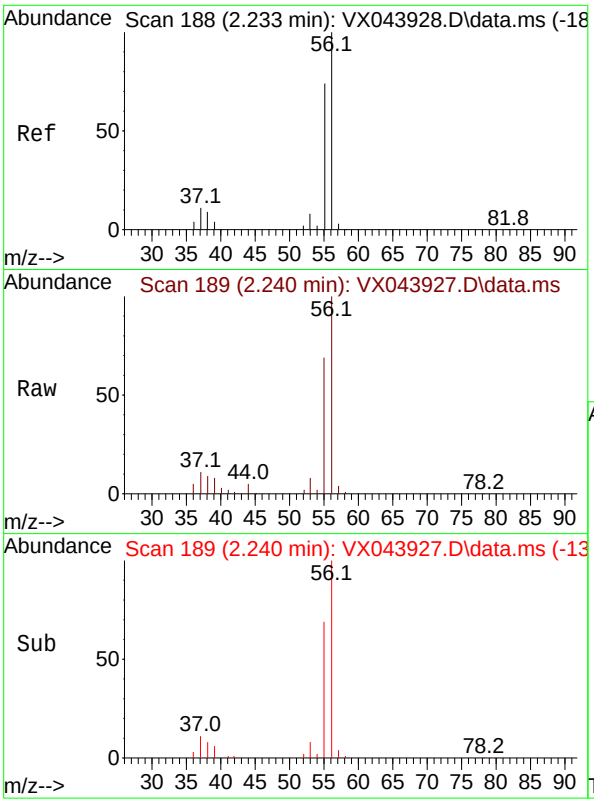


#12
1,1-Dichloroethene
Concen: 20.293 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 96 Resp: 32180

Ion	Ratio	Lower	Upper
96	100		
61	162.9	135.5	203.3
98	61.0	50.8	76.2



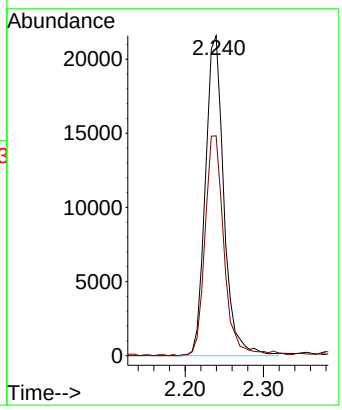


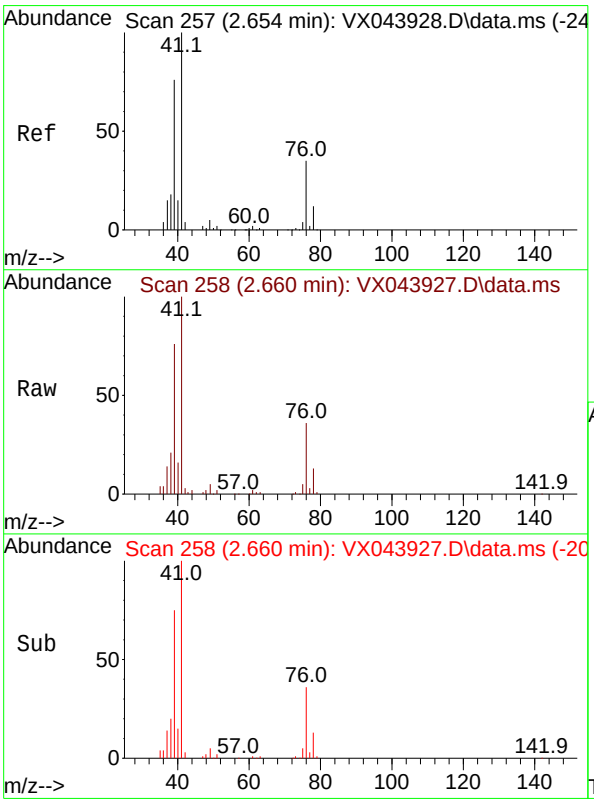
#13
Acrolein
Concen: 88.269 ug/l
RT: 2.240 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 35249

Ion	Ratio	Lower	Upper
56	100		
55	71.2	58.2	87.2

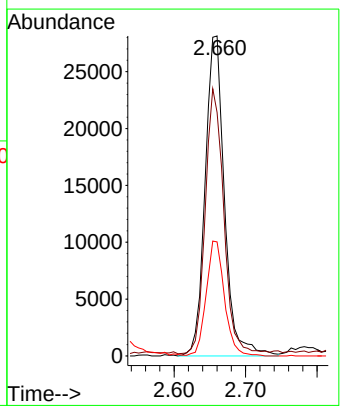


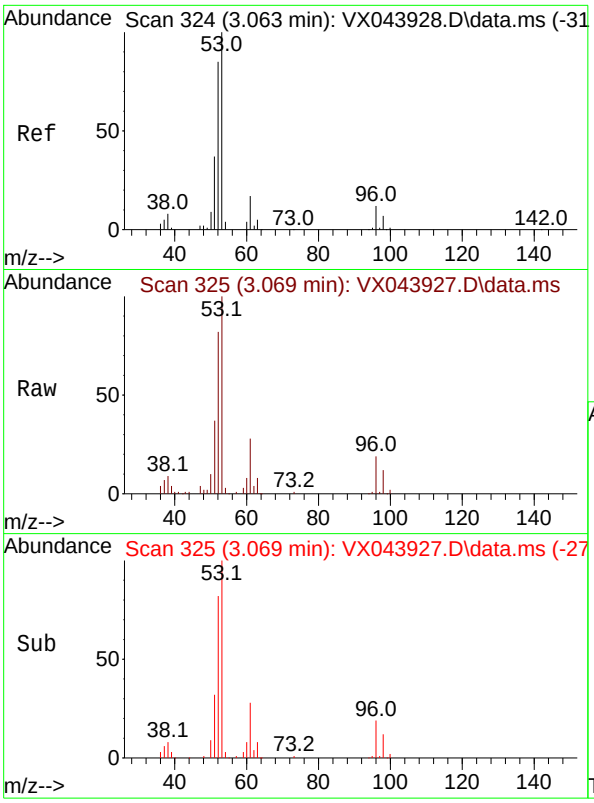


#14
Allyl chloride
Concen: 20.475 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 41 Resp: 53053

Ion	Ratio	Lower	Upper
41	100		
39	78.7	59.5	89.3
76	33.9	27.4	41.2



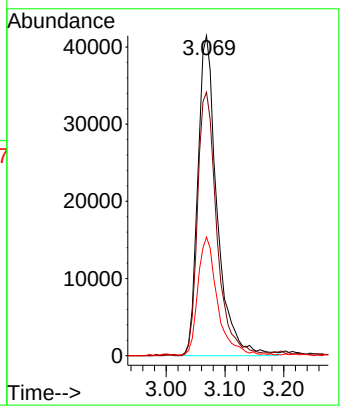


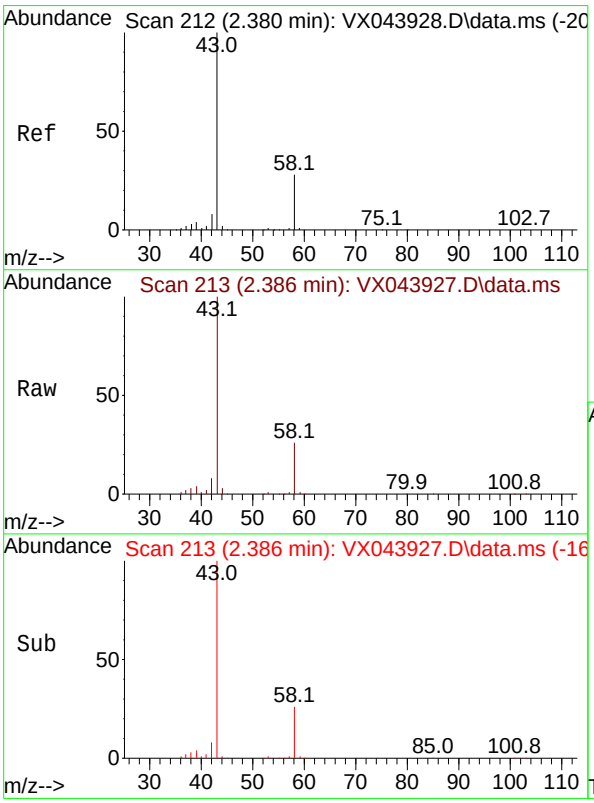
#15
Acrylonitrile
Concen: 102.265 ug/l
RT: 3.069 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 53 Resp: 94417

Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.5	99.7
51	37.1	30.2	45.4

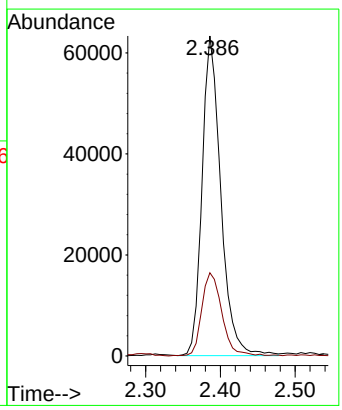


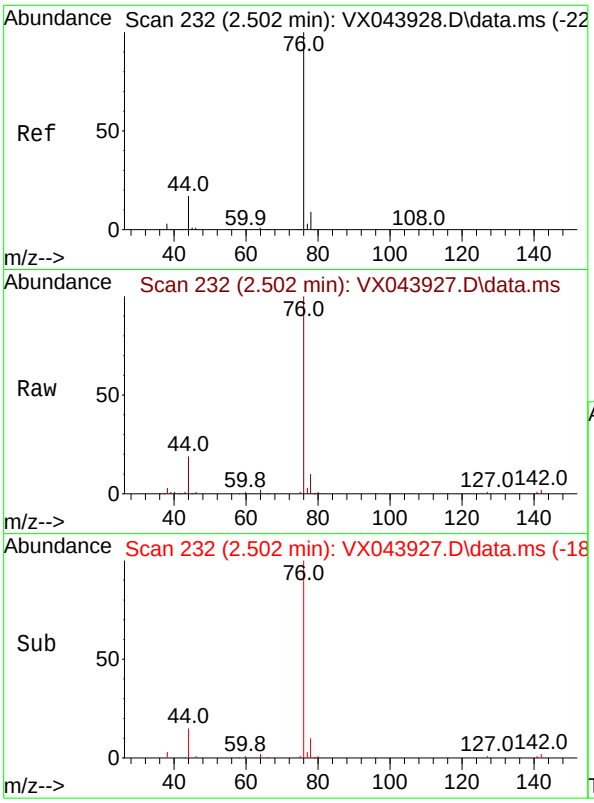


#16
Acetone
Concen: 101.811 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 43 Resp: 110373

Ion	Ratio	Lower	Upper
43	100		
58	25.9	22.7	34.1



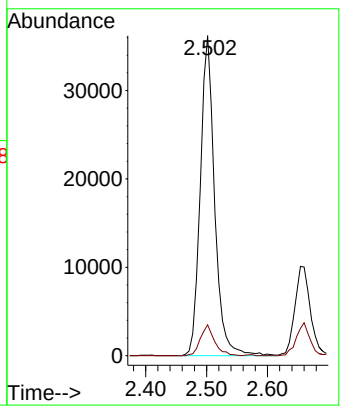


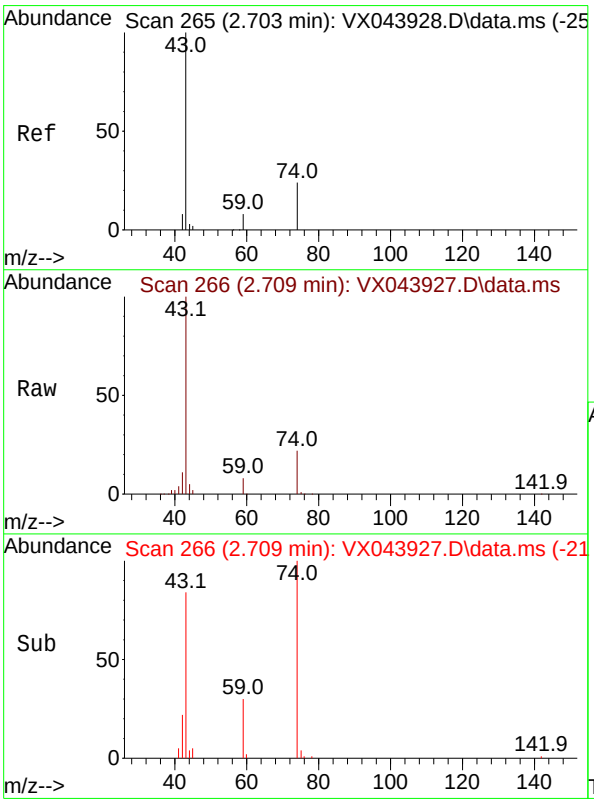
#17
Carbon Disulfide
Concen: 18.144 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 59349

Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.0	10.6

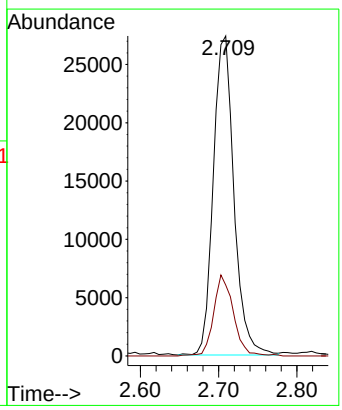


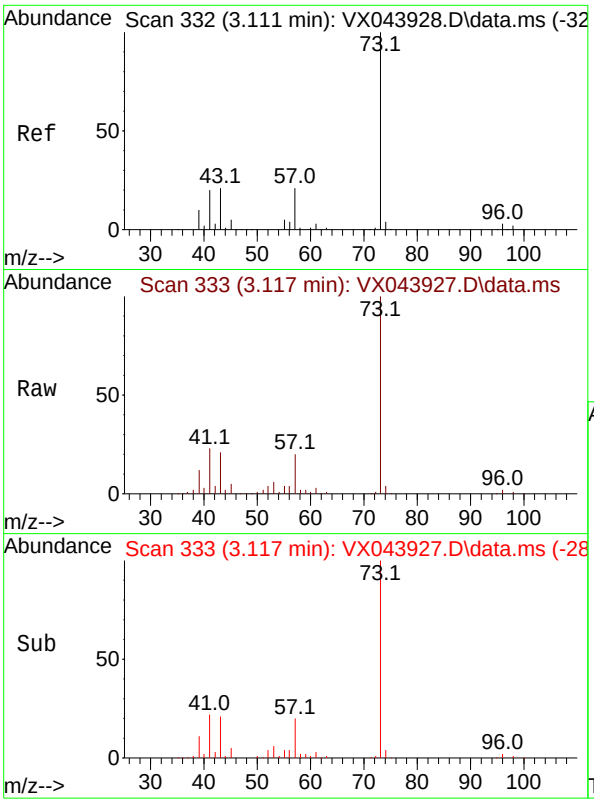


#18
Methyl Acetate
Concen: 19.859 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 43 Resp: 50136

Ion	Ratio	Lower	Upper
43	100		
74	24.4	18.9	28.3



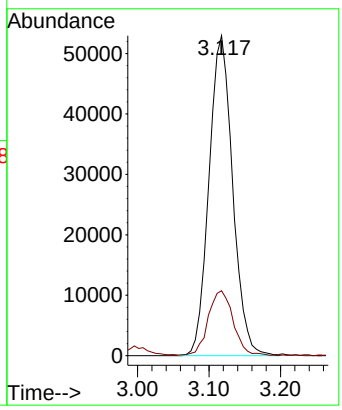


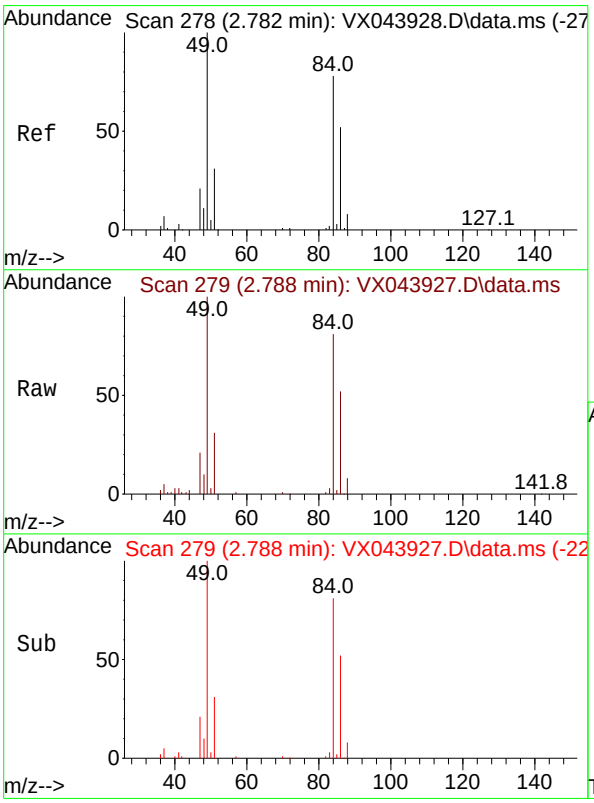
#19
Methyl tert-butyl Ether
Concen: 21.150 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 121776

Ion	Ratio	Lower	Upper
73	100		
57	20.3	17.0	25.6

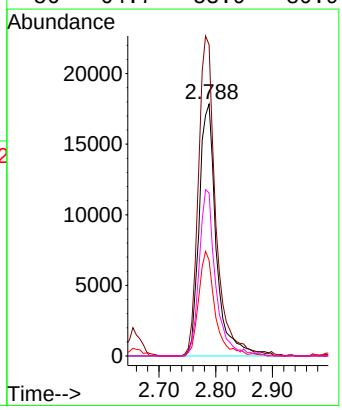


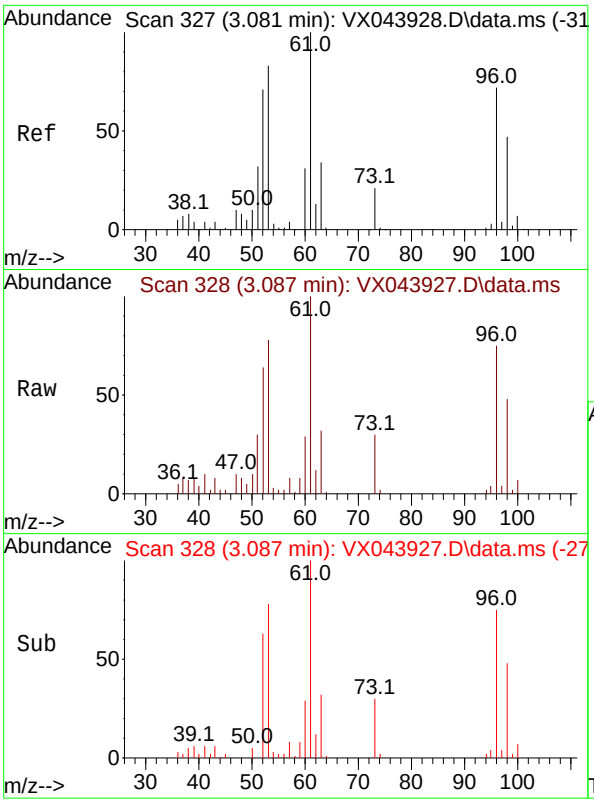


#20
Methylene Chloride
Concen: 20.456 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 84 Resp: 37633

Ion	Ratio	Lower	Upper
84	100		
49	123.5	102.7	154.1
51	38.0	31.7	47.5
86	64.7	53.9	80.9



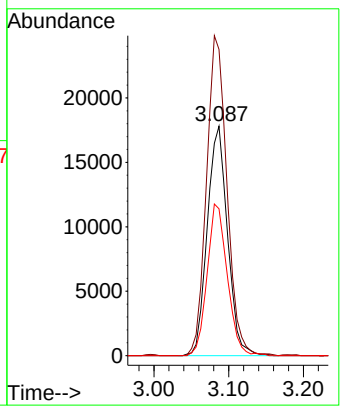


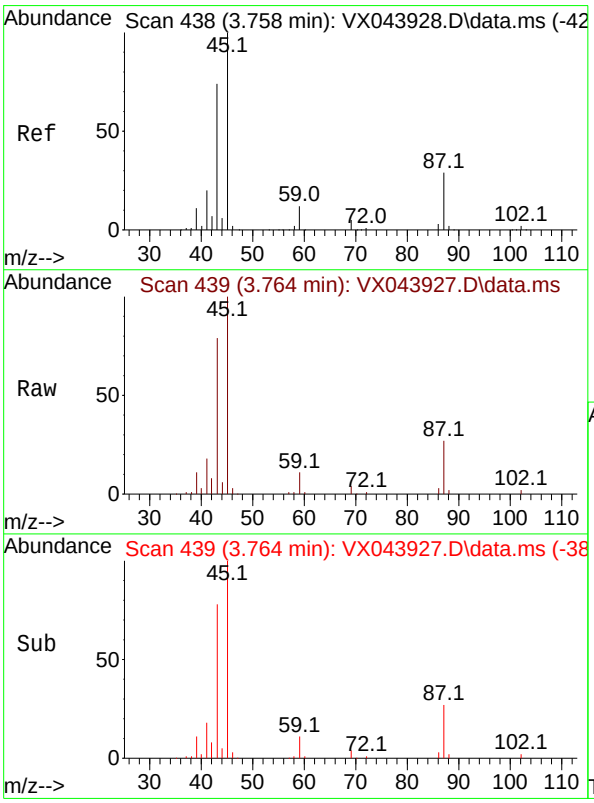
#21
trans-1,2-Dichloroethene
Concen: 20.489 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 33545

Ion	Ratio	Lower	Upper
96	100		
61	133.4	111.8	167.6
98	64.0	52.7	79.1

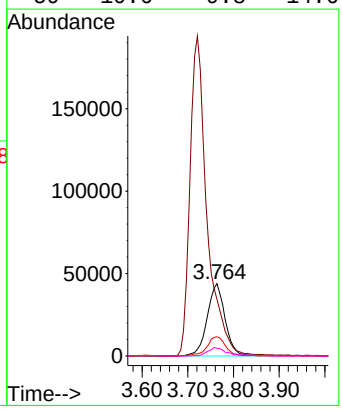


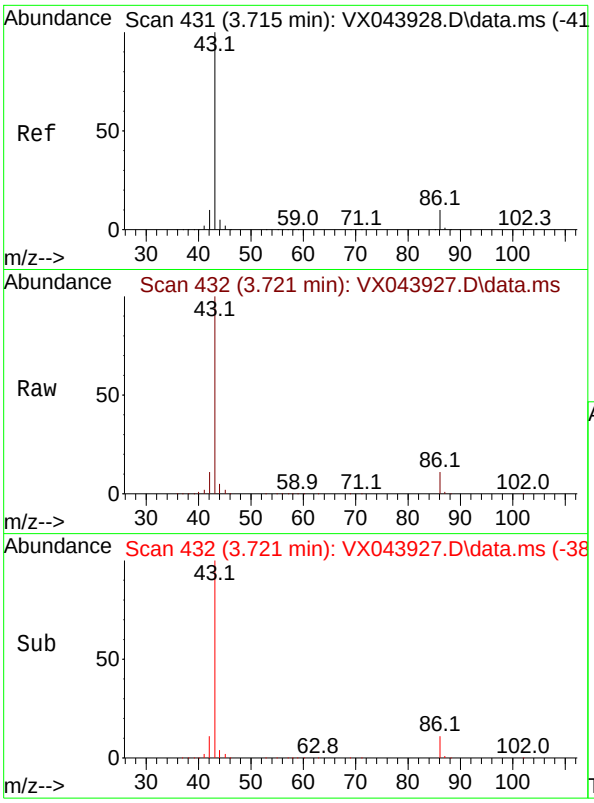


#22
Diisopropyl ether
Concen: 21.564 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 45 Resp: 119475

Ion	Ratio	Lower	Upper
45	100		
43	77.4	59.6	89.4
87	26.6	22.9	34.3
59	10.6	9.8	14.6



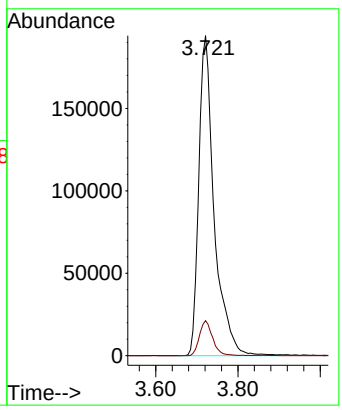


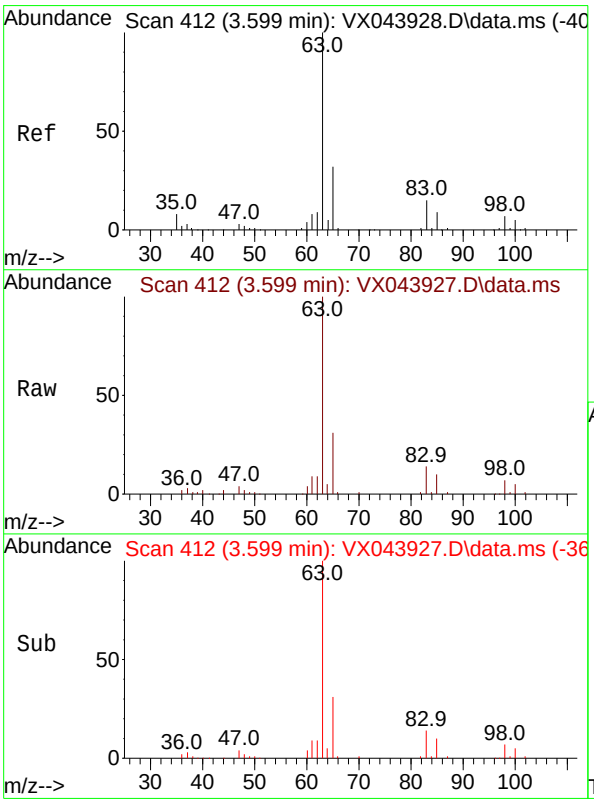
#23
Vinyl Acetate
Concen: 106.423 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 504408

Ion	Ratio	Lower	Upper
43	100		
86	11.0	8.3	12.5

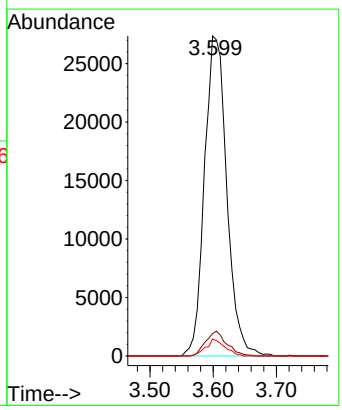


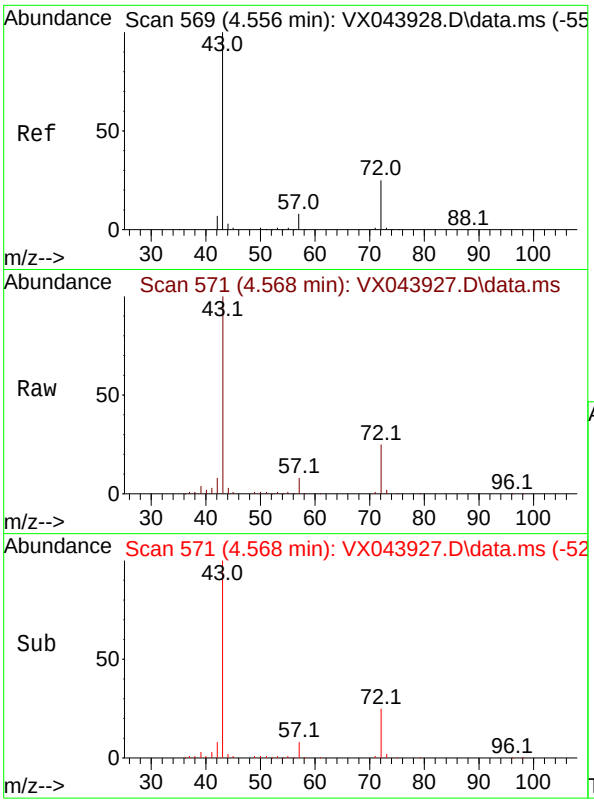


#24
1,1-Dichloroethane
Concen: 21.034 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 63 Resp: 67233

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.5	10.6
100	5.3	2.4	7.1



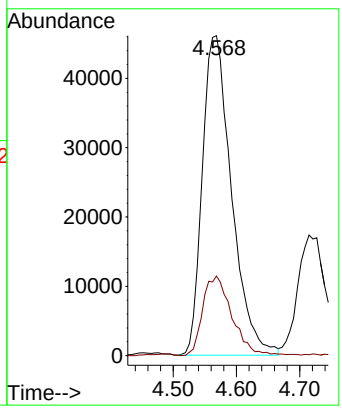


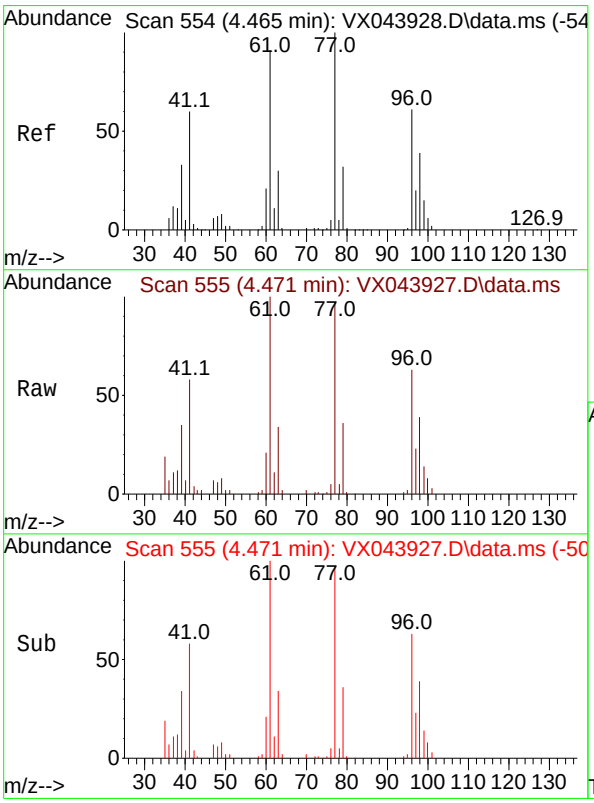
#25
2-Butanone
Concen: 105.912 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 148152

Ion	Ratio	Lower	Upper
43	100		
72	24.8	20.2	30.2

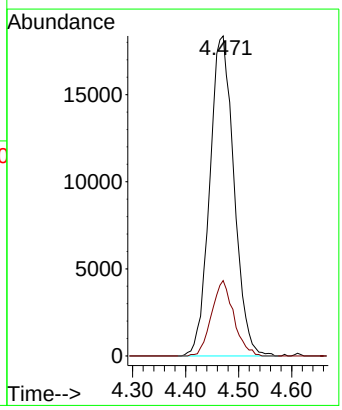


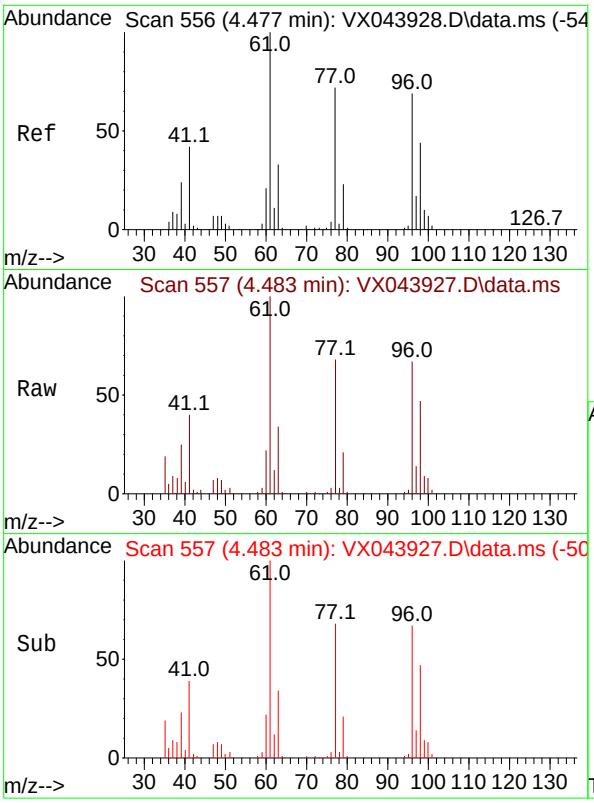


#26
2,2-Dichloropropane
Concen: 20.246 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 77 Resp: 58444

Ion	Ratio	Lower	Upper
77	100		
97	21.5	10.8	32.3



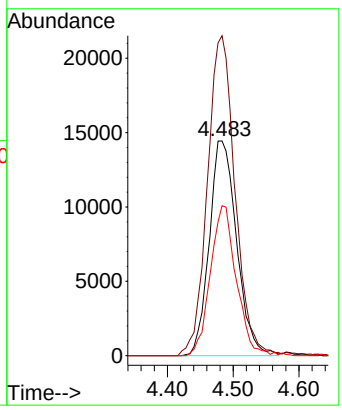


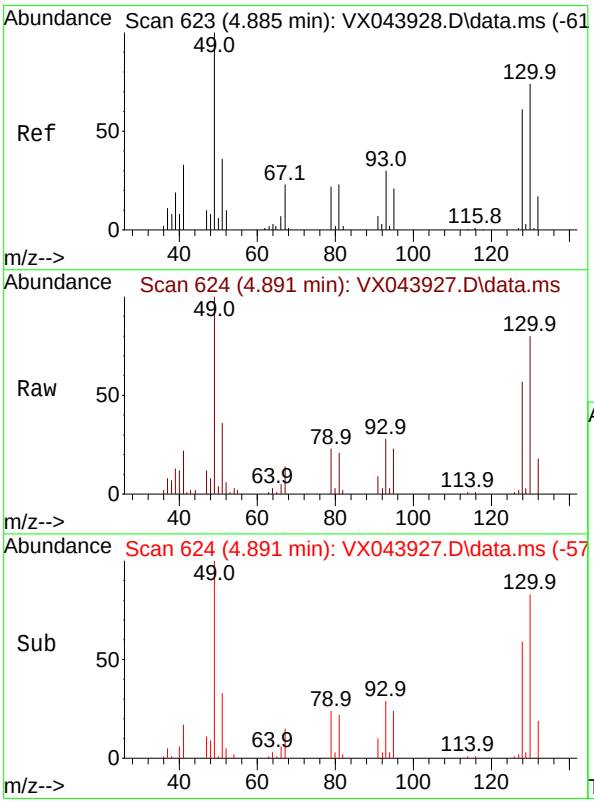
#27
cis-1,2-Dichloroethene
Concen: 20.688 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 41866

Ion	Ratio	Lower	Upper
96	100		
61	149.9	0.0	297.4
98	66.3	0.0	127.8

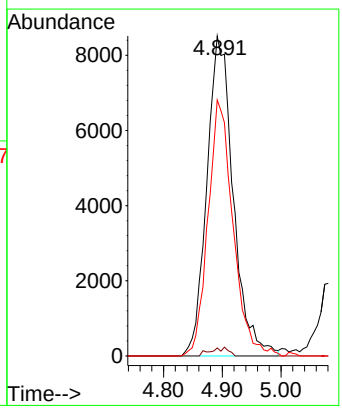


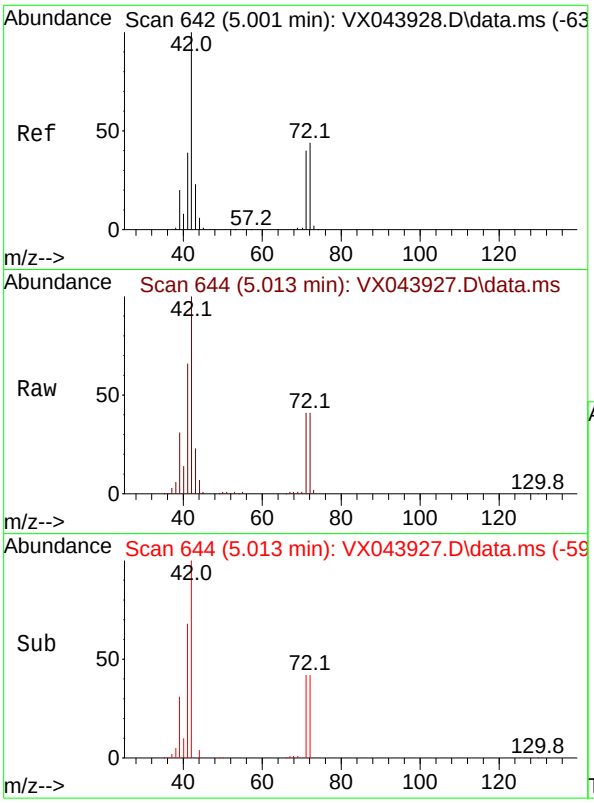


#28
Bromochloromethane
Concen: 18.840 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 49 Resp: 26507

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.0
130	75.8	59.0	88.6



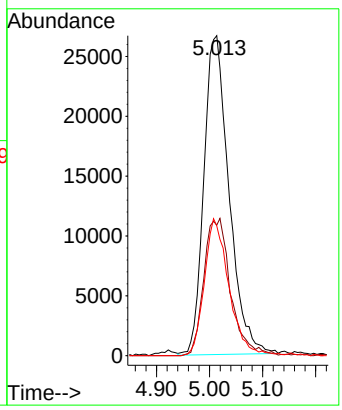


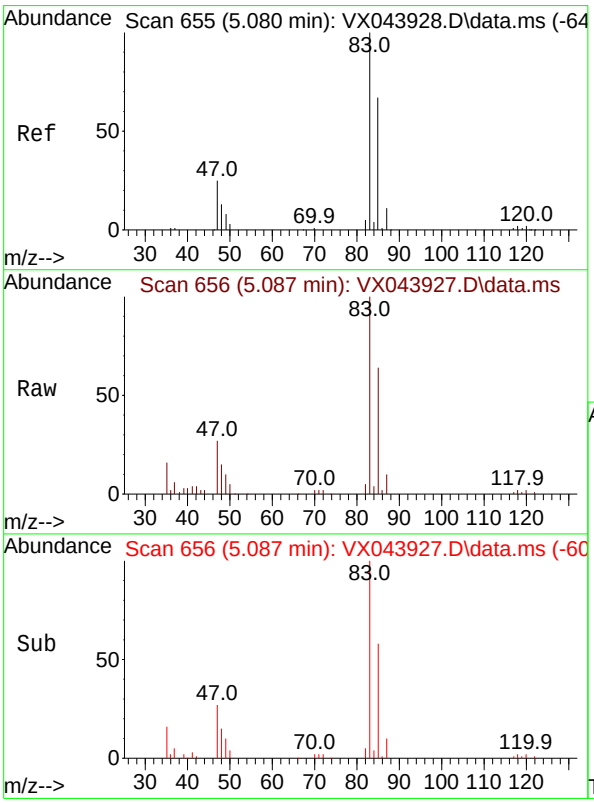
#29
Tetrahydrofuran
Concen: 102.308 ug/l
RT: 5.013 min Scan# 6
Delta R.T. 0.012 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 42 Resp: 87736

Ion	Ratio	Lower	Upper
42	100		
72	45.8	36.4	54.6
71	42.0	33.4	50.0

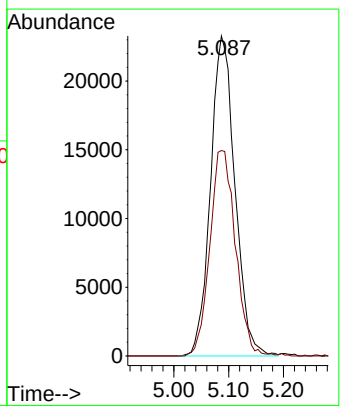


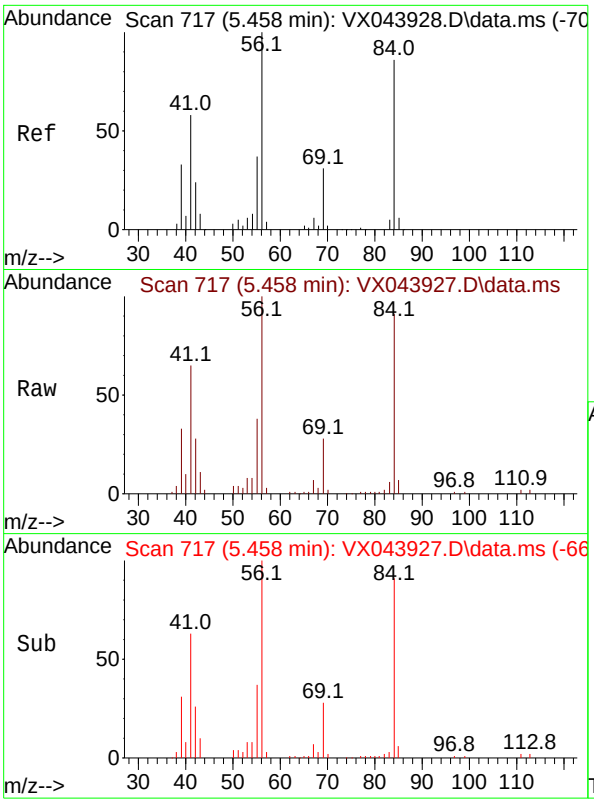


#30
Chloroform
Concen: 20.958 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 83 Resp: 72049

Ion	Ratio	Lower	Upper
83	100		
85	64.2	53.5	80.3



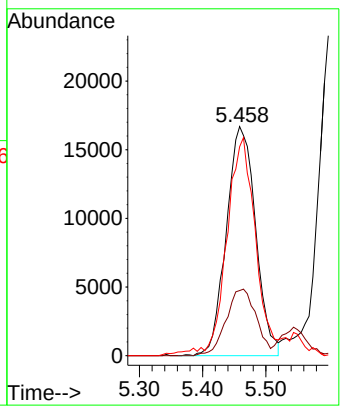


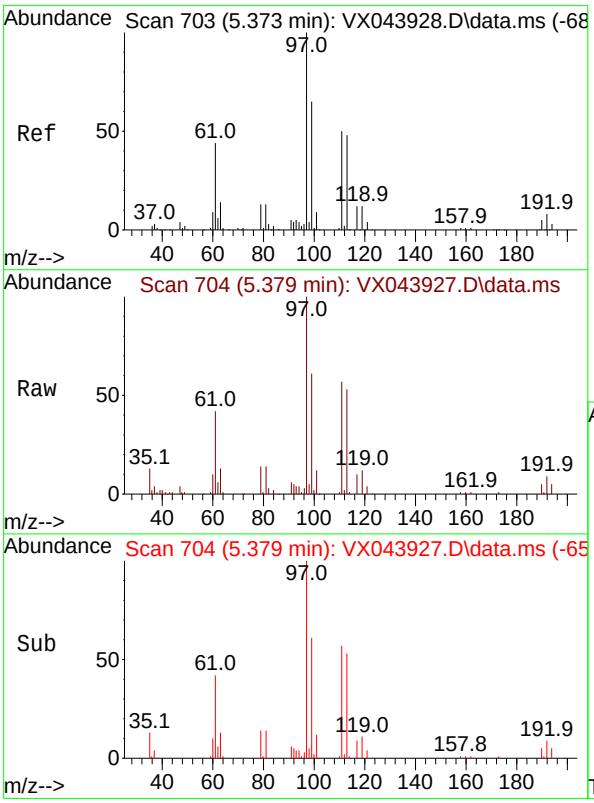
#31
Cyclohexane
Concen: 20.425 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 53731

Ion	Ratio	Lower	Upper
56	100		
69	28.4	24.7	37.1
84	89.6	68.7	103.1

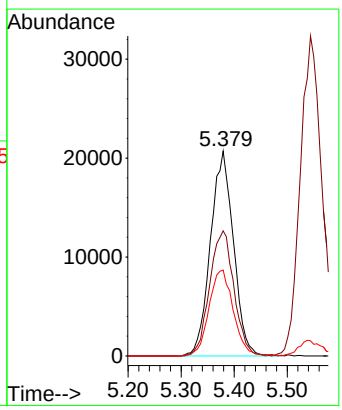


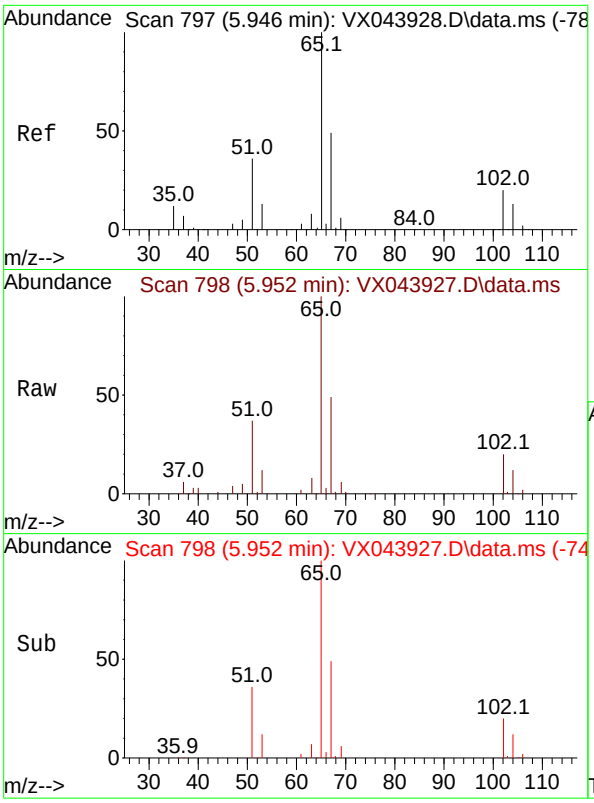


#32
1,1,1-Trichloroethane
Concen: 21.046 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 97 Resp: 62394

Ion	Ratio	Lower	Upper
97	100		
99	64.5	50.8	76.2
61	44.1	35.4	53.2



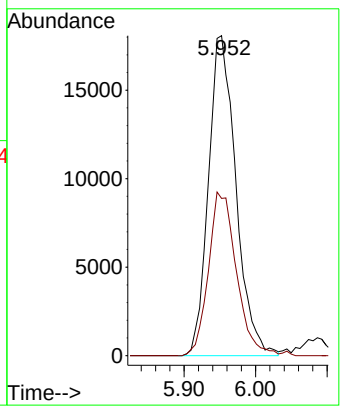


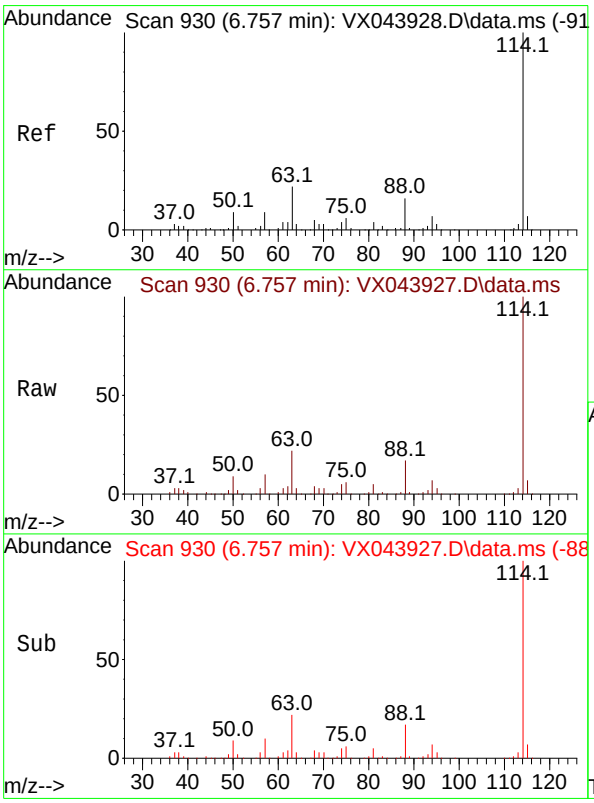
#33
1,2-Dichloroethane-d4
Concen: 20.437 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 65 Resp: 48239

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	100.8

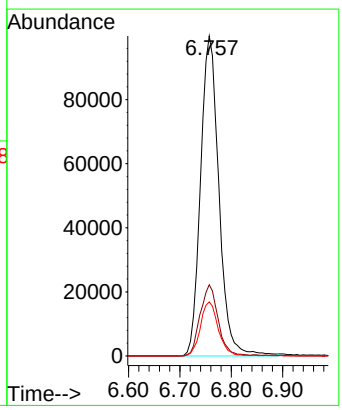


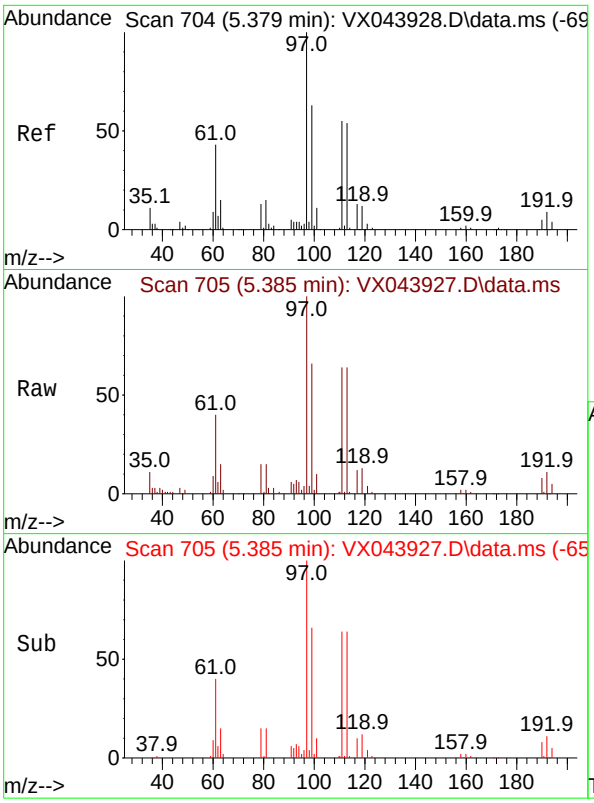


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:114 Resp: 247844

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	44.0
88	16.9	0.0	32.4



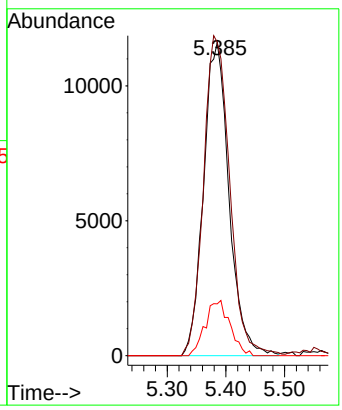


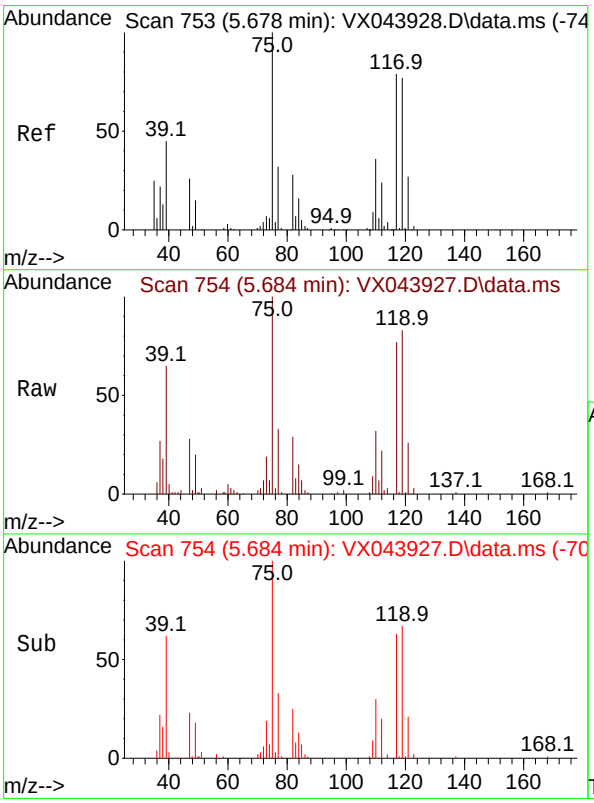
#35
Dibromofluoromethane
Concen: 19.772 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:113 Resp: 35015

Ion	Ratio	Lower	Upper
113	100		
111	105.0	81.0	121.4
192	17.1	13.0	19.6

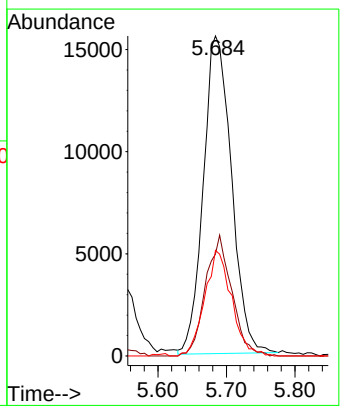


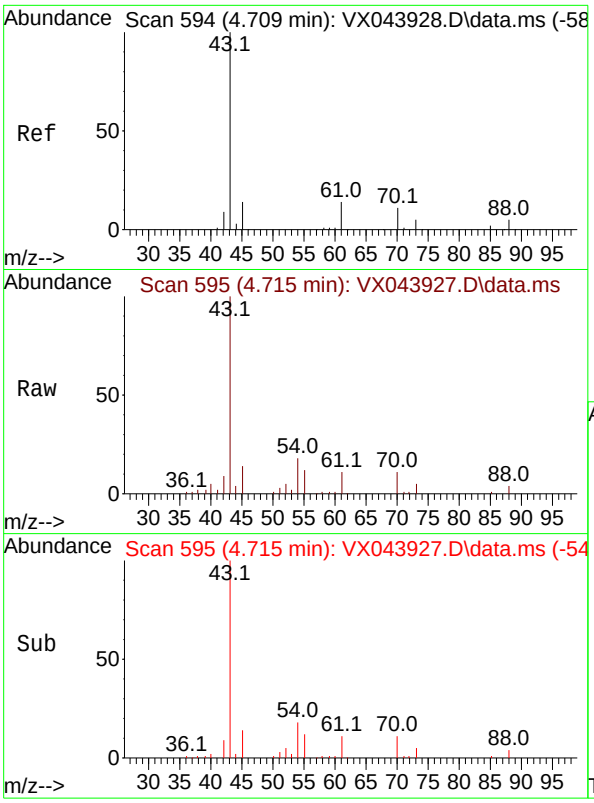


#36
1,1-Dichloropropene
Concen: 20.149 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 75 Resp: 44465

Ion	Ratio	Lower	Upper
75	100		
110	35.4	17.4	52.2
77	31.8	25.8	38.8



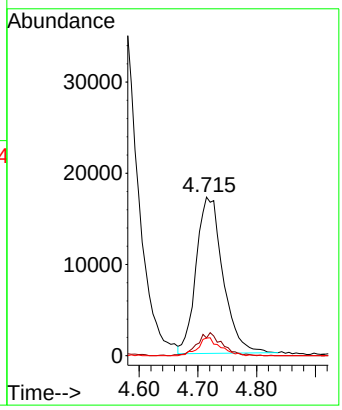


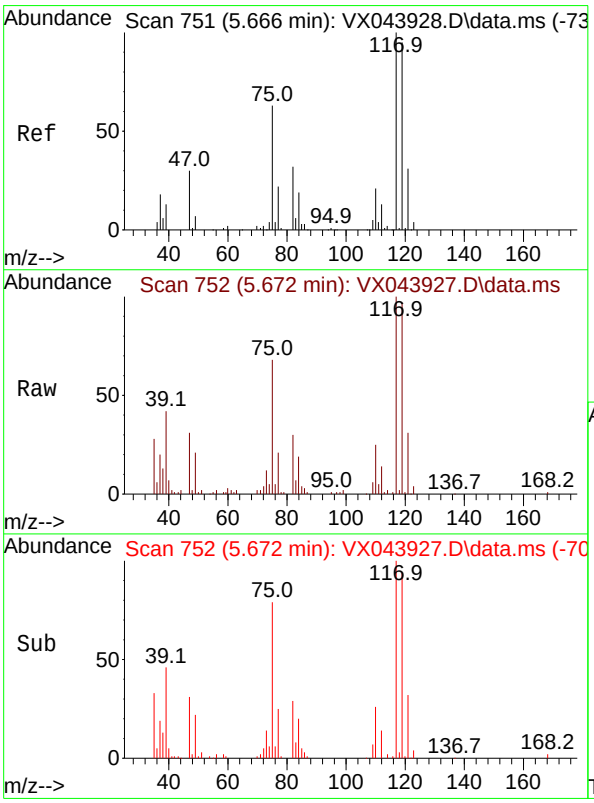
#37
Ethyl Acetate
Concen: 19.868 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 54426

Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.7	16.1
70	9.5	8.0	12.0

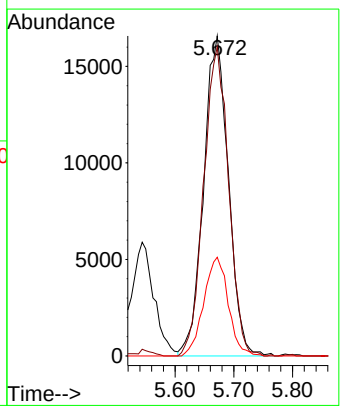


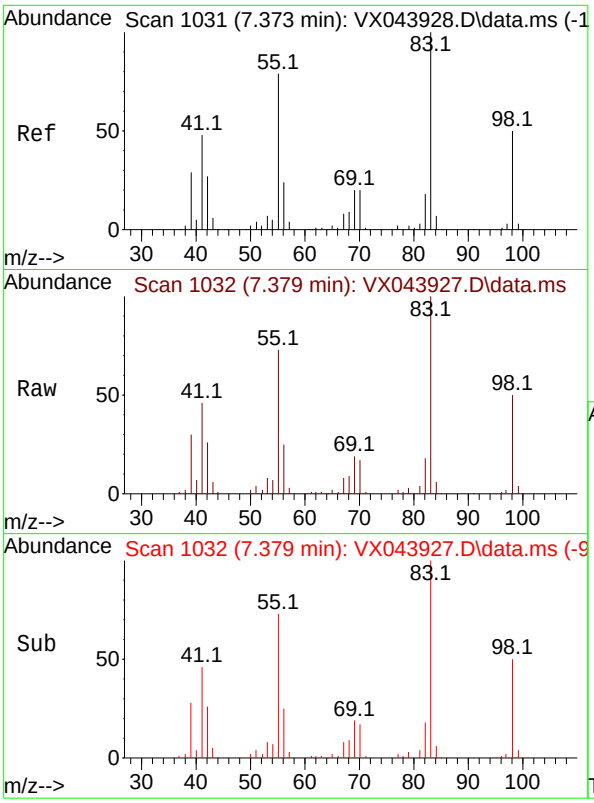


#38
Carbon Tetrachloride
Concen: 19.640 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:117 Resp: 48701

Ion	Ratio	Lower	Upper
117	100		
119	96.6	75.2	112.8
121	30.8	24.5	36.7



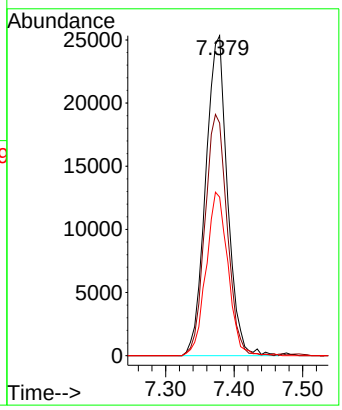


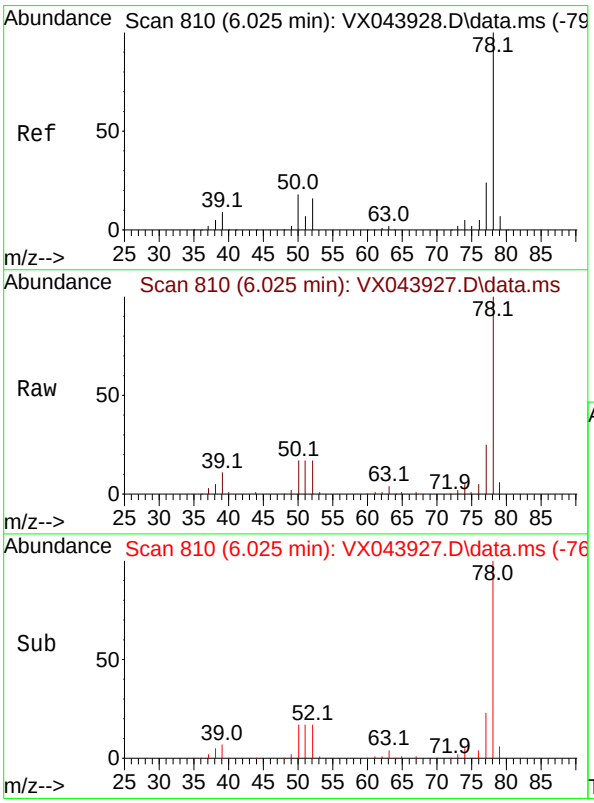
#39
Methylcyclohexane
Concen: 19.518 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 55958

Ion	Ratio	Lower	Upper
83	100		
55	72.7	63.1	94.7
98	49.5	40.0	60.0

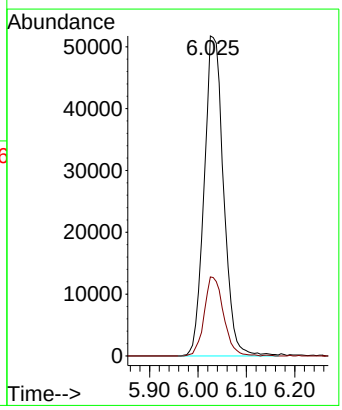


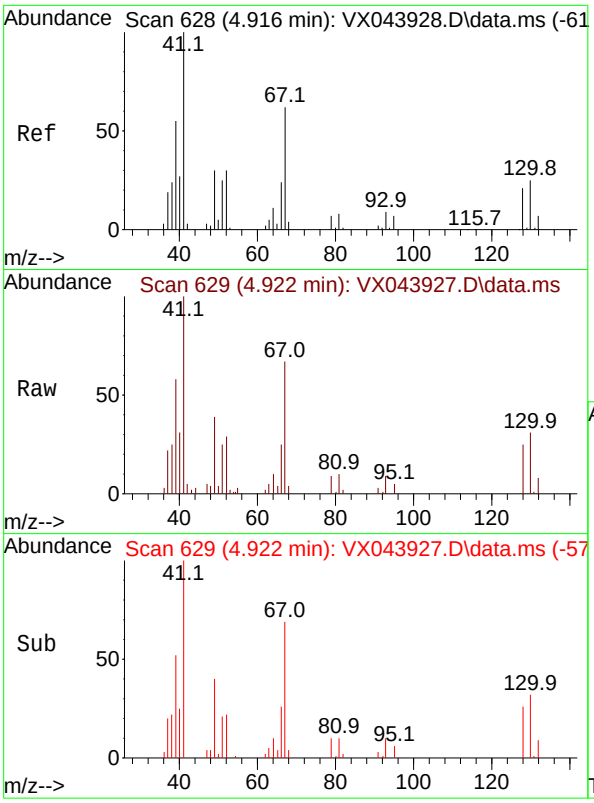


#40
Benzene
Concen: 21.006 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 78 Resp: 144401

Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.2	28.8



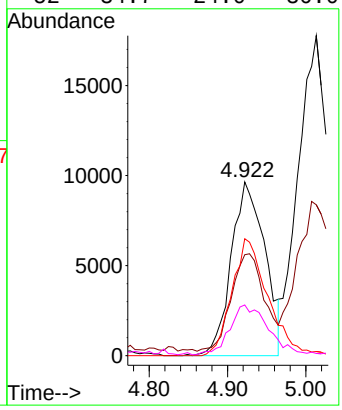


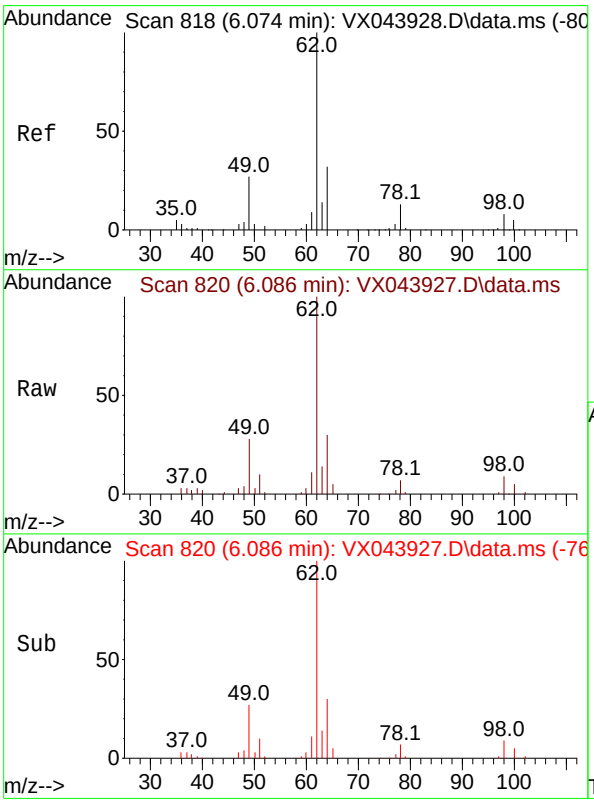
#41
Methacrylonitrile
Concen: 20.639 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 41 Resp: 28938

Ion	Ratio	Lower	Upper
41	100		
39	55.1	41.7	62.5
67	72.7	55.8	83.8
52	34.7	24.0	36.0

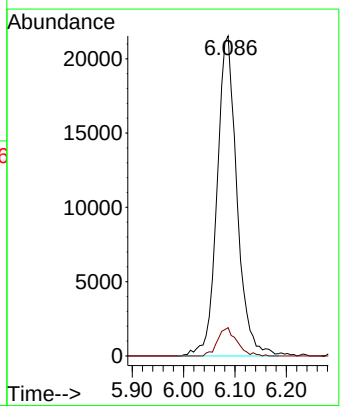


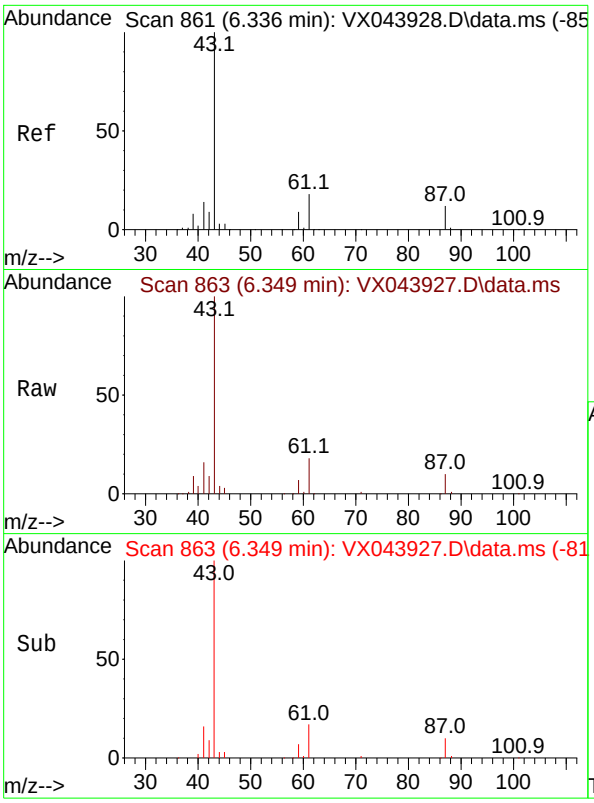


#42
1,2-Dichloroethane
Concen: 21.001 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.012 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 62 Resp: 57981

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	16.4



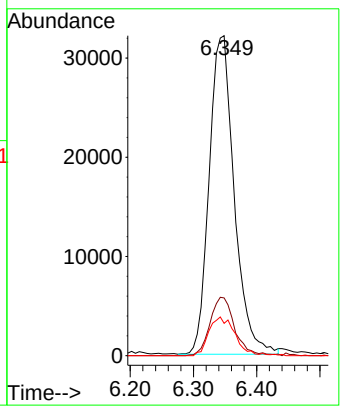


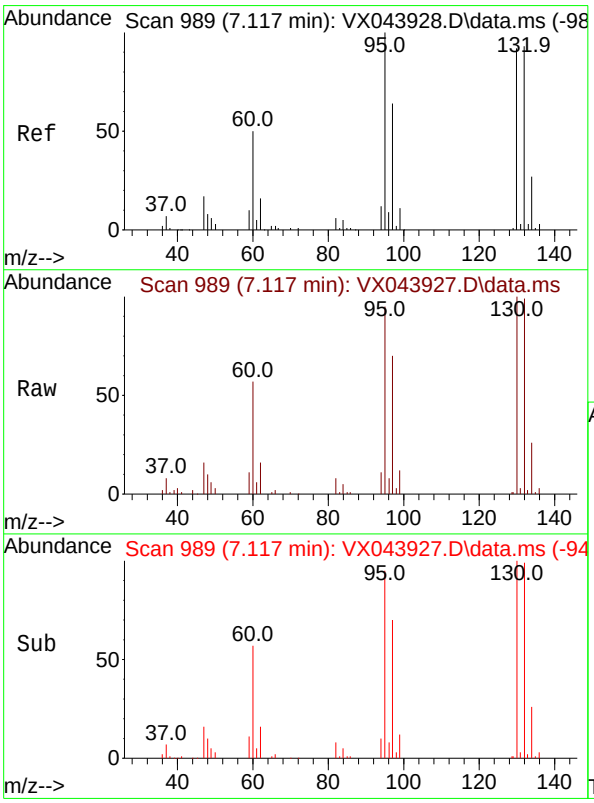
#43
Isopropyl Acetate
Concen: 20.318 ug/l
RT: 6.349 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 88577

Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.5	21.7
87	12.6	10.2	15.2

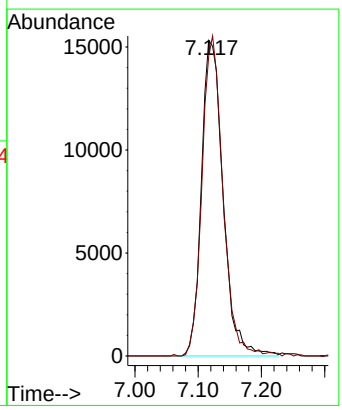


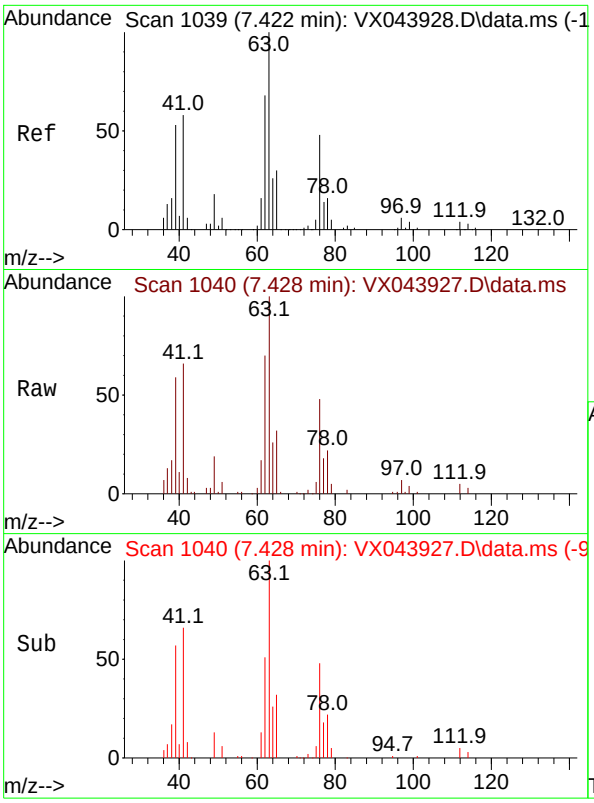


#44
Trichloroethene
Concen: 18.726 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:130 Resp: 36440

Ion	Ratio	Lower	Upper
130	100		
95	95.2	0.0	217.8



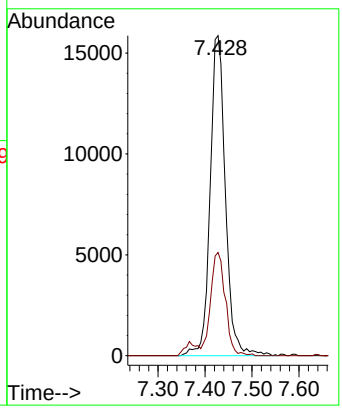


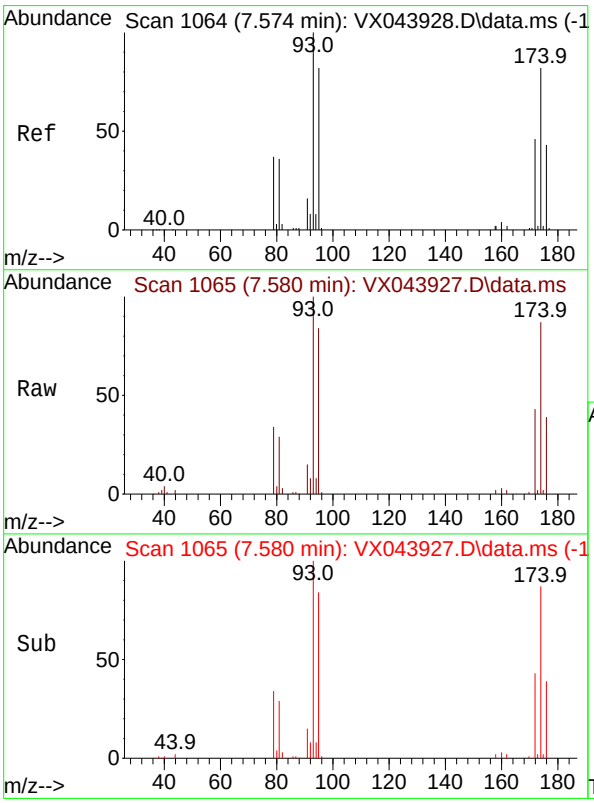
#45
1,2-Dichloropropane
Concen: 21.258 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 63 Resp: 35791

Ion	Ratio	Lower	Upper
63	100		
65	32.2	23.8	35.6

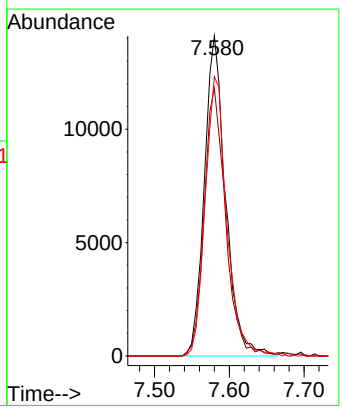


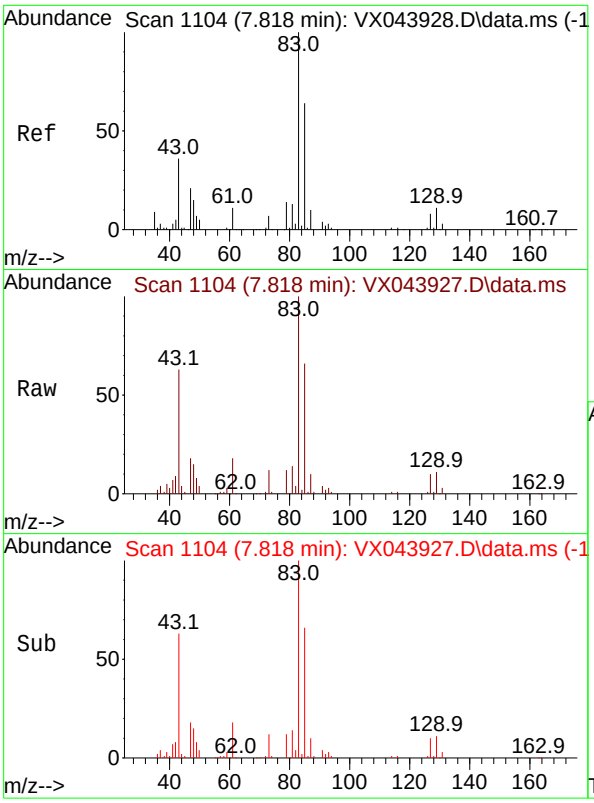


#46
Dibromomethane
Concen: 20.873 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 93 Resp: 27799

Ion	Ratio	Lower	Upper
93	100		
95	84.4	66.2	99.4
174	89.0	69.6	104.4



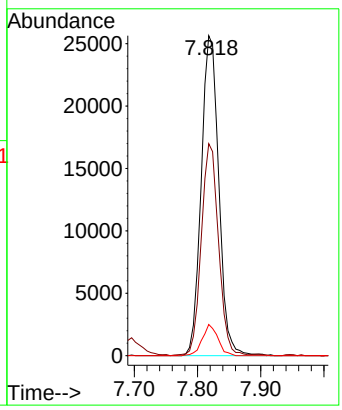


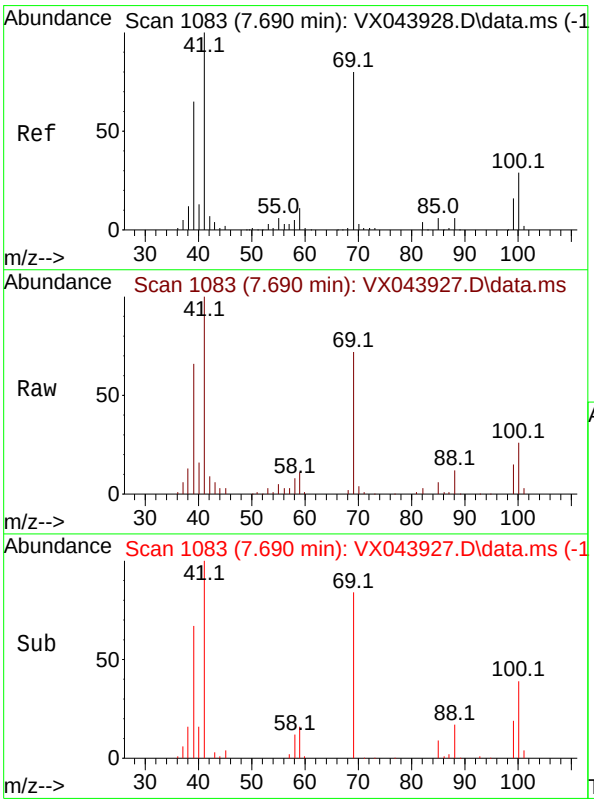
#47
Bromodichloromethane
Concen: 20.792 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 49665

Ion	Ratio	Lower	Upper
83	100		
85	66.3	51.4	77.0
127	9.7	6.6	10.0

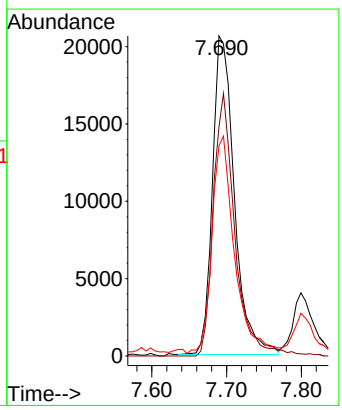


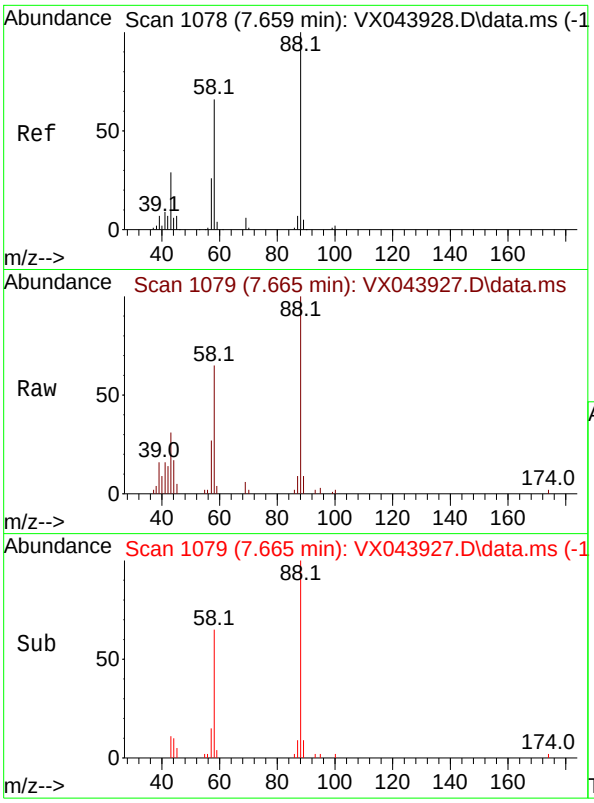


#48
Methyl methacrylate
Concen: 20.059 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 41 Resp: 41962

Ion	Ratio	Lower	Upper
41	100		
69	81.5	64.6	97.0
39	69.6	53.3	79.9





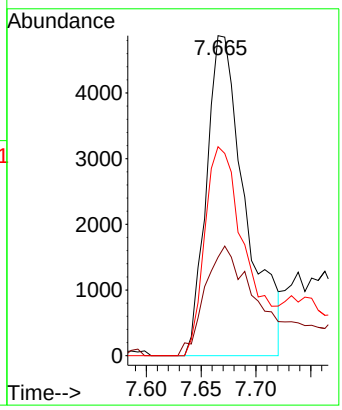
#49
1,4-Dioxane
Concen: 334.681 ug/l
RT: 7.665 min Scan# 1

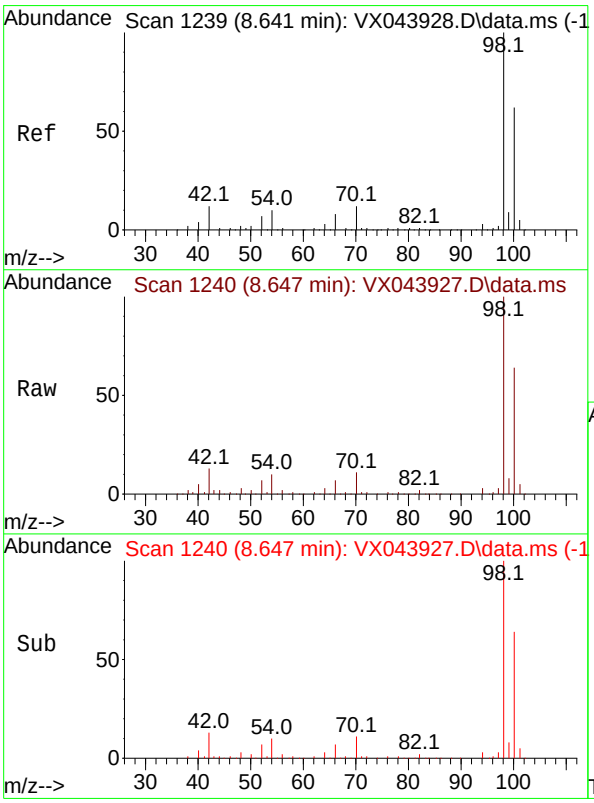
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Delta R.T. 0.006 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	26.8	40.2#
58	69.7	45.4	68.2#

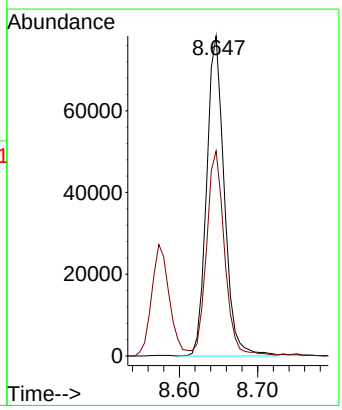


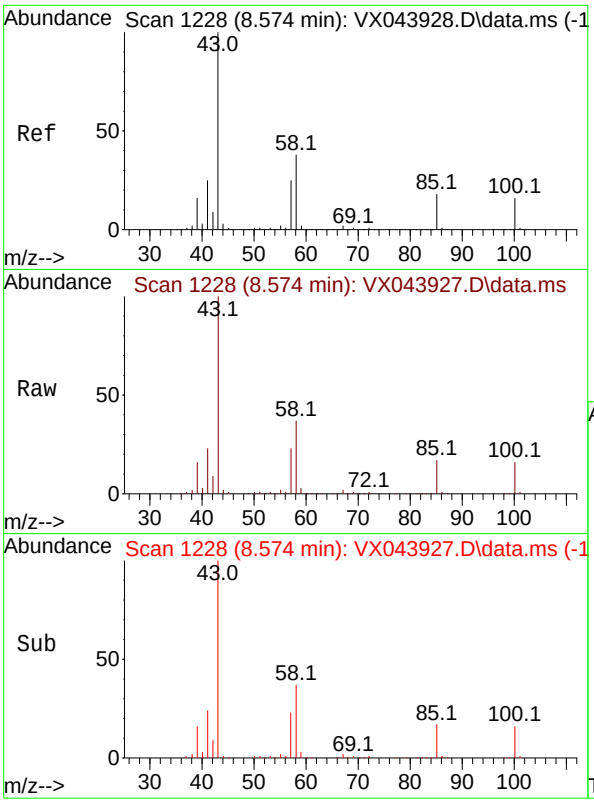


#50
Toluene-d8
Concen: 20.090 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 98 Resp: 122646

Ion	Ratio	Lower	Upper
98	100		
100	63.8	52.6	79.0



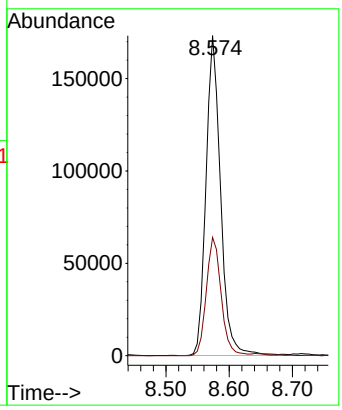


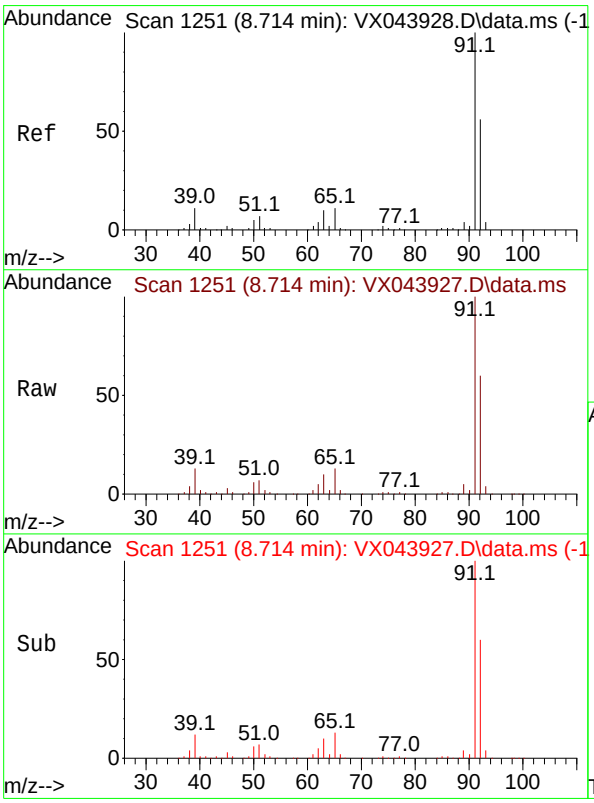
#51
4-Methyl-2-Pentanone
Concen: 104.673 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 278479

Ion	Ratio	Lower	Upper
43	100		
58	37.6	30.0	45.0

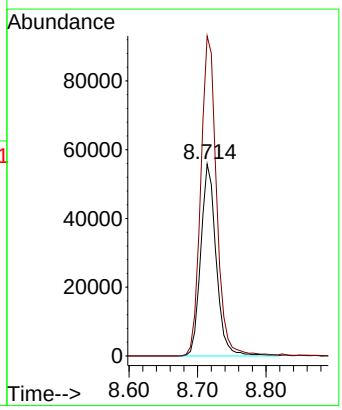


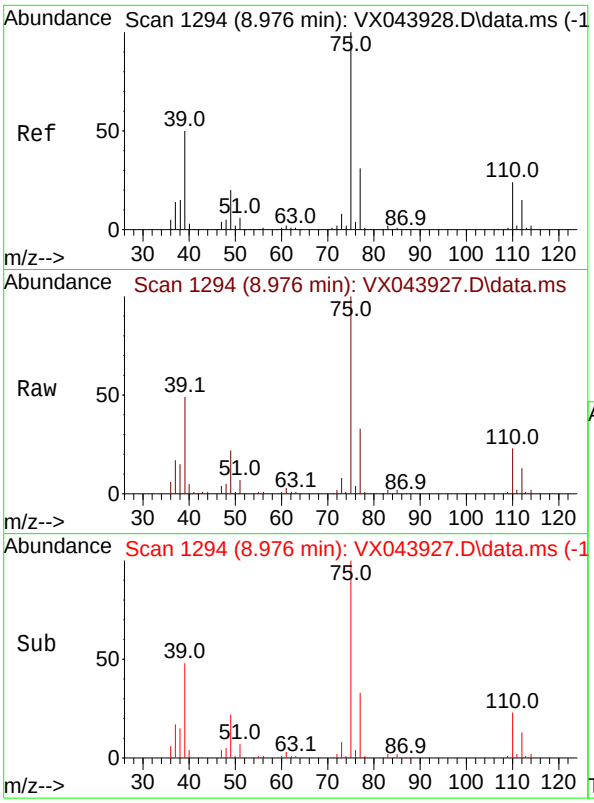


#52
Toluene
Concen: 21.284 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 92 Resp: 87569

Ion	Ratio	Lower	Upper
92	100		
91	171.0	139.7	209.5



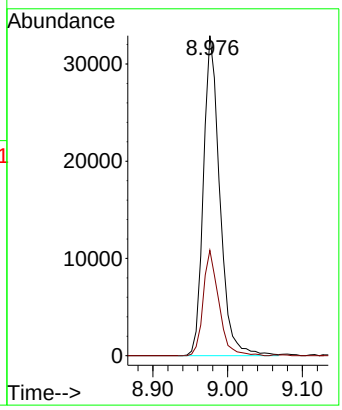


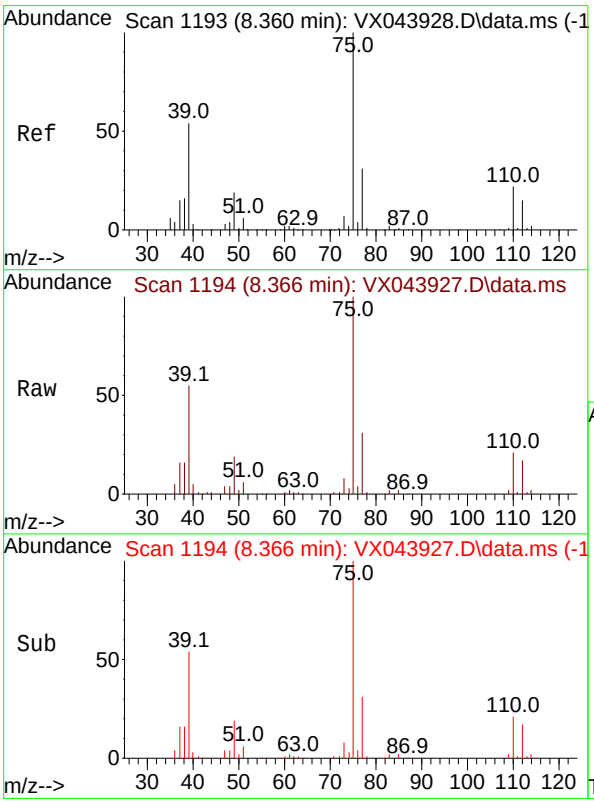
#53
t-1,3-Dichloropropene
Concen: 20.648 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 50294

Ion	Ratio	Lower	Upper
75	100		
77	32.9	25.1	37.7

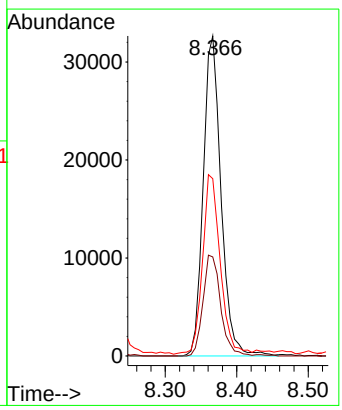


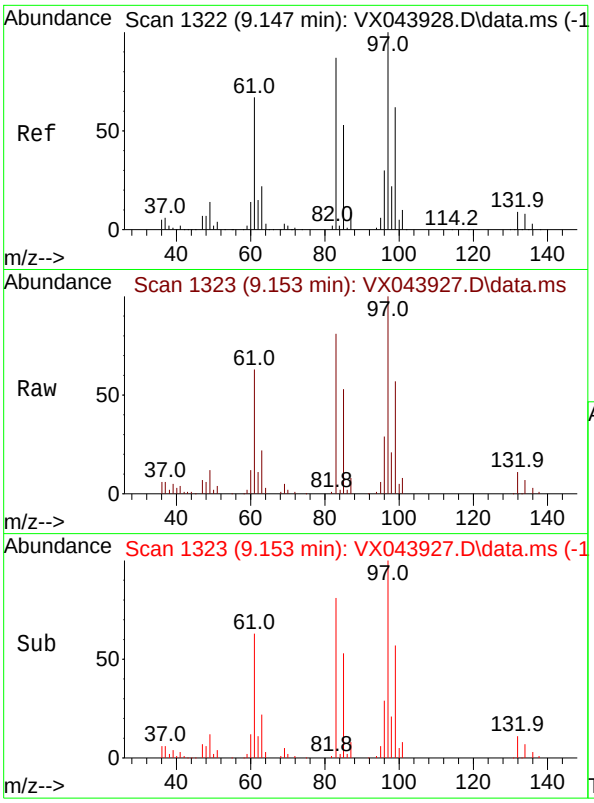


#54
cis-1,3-Dichloropropene
Concen: 21.124 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 75 Resp: 56407

Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.2	37.8
39	54.6	43.1	64.7



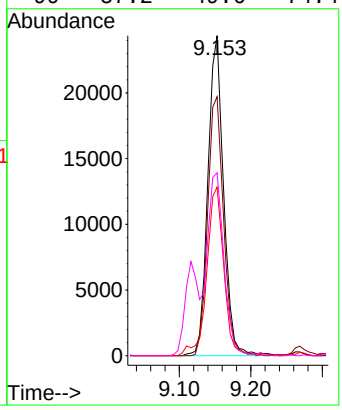


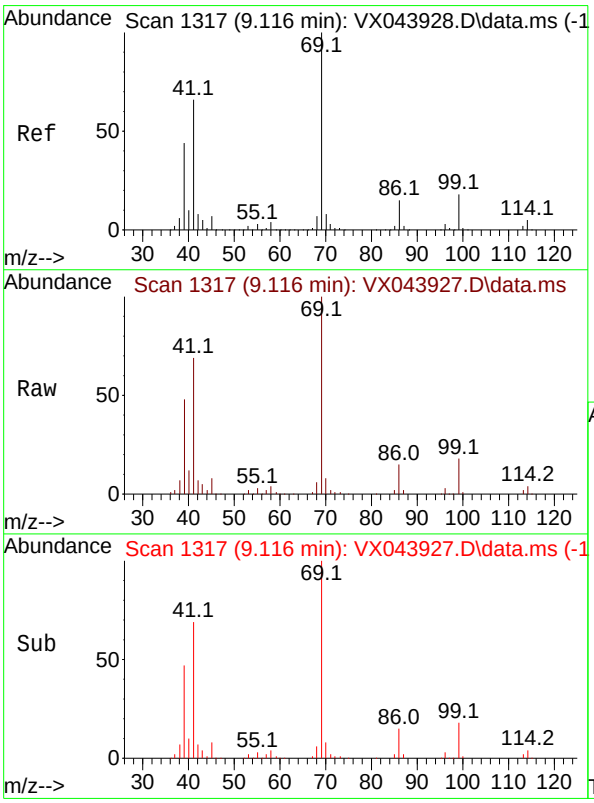
#55
1,1,2-Trichloroethane
Concen: 21.872 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 97 Resp: 37148

Ion	Ratio	Lower	Upper
97	100		
83	81.0	69.4	104.0
85	52.7	42.3	63.5
99	57.2	49.6	74.4

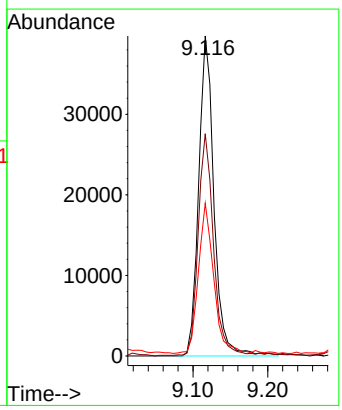


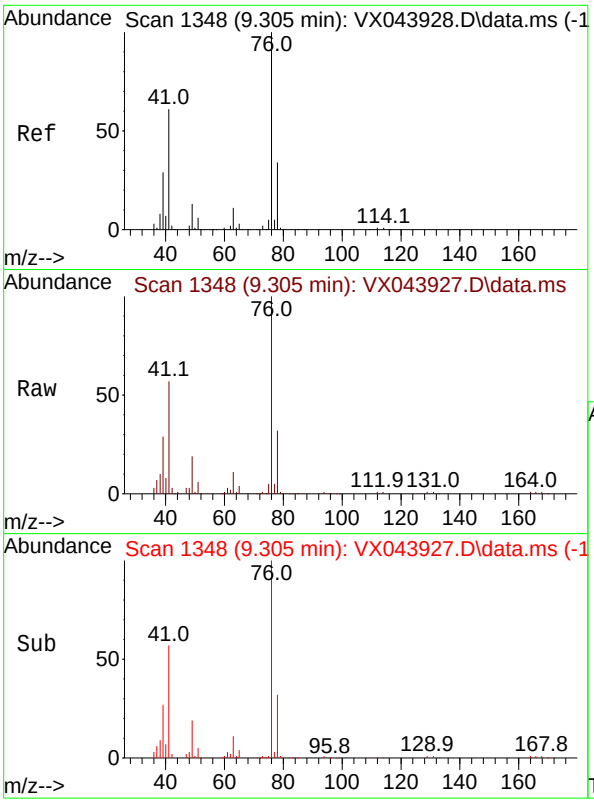


#56
Ethyl methacrylate
Concen: 21.390 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 69 Resp: 56585

Ion	Ratio	Lower	Upper
69	100		
41	70.0	55.8	83.8
39	46.7	36.7	55.1



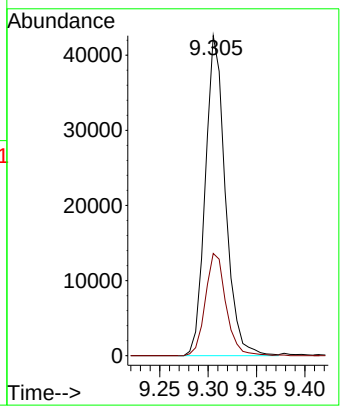


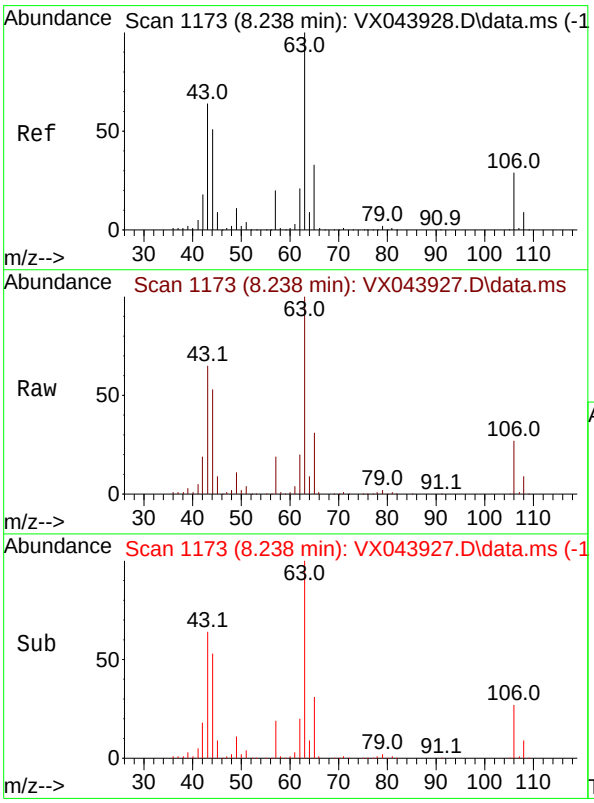
#57
1,3-Dichloropropane
Concen: 21.468 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 61420

Ion	Ratio	Lower	Upper
76	100		
78	33.0	26.0	39.0

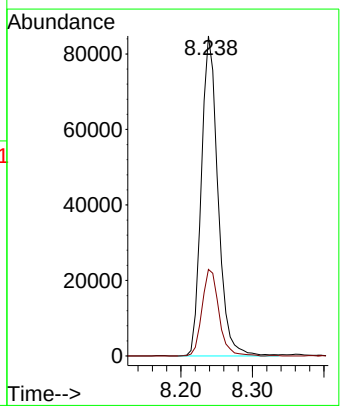


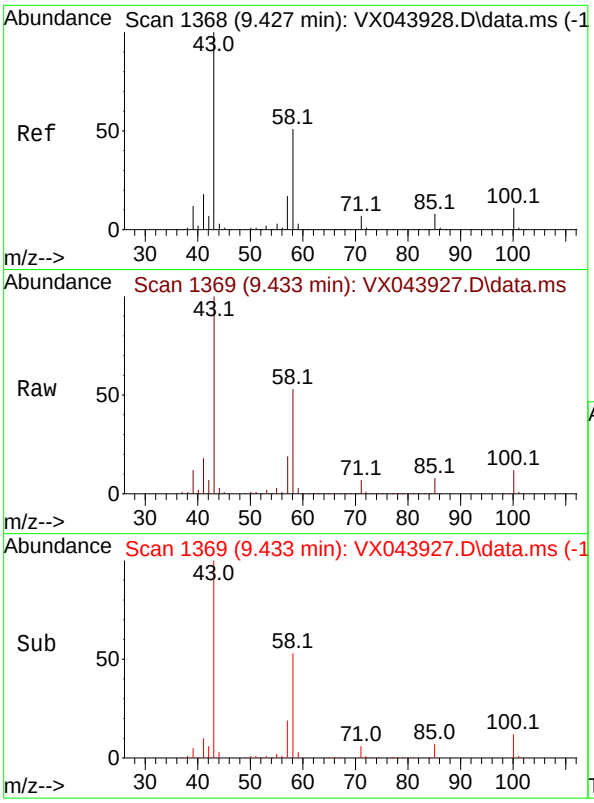


#58
2-Chloroethyl Vinyl ether
Concen: 93.712 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 63 Resp: 136842

Ion	Ratio	Lower	Upper
63	100		
106	27.4	23.0	34.6



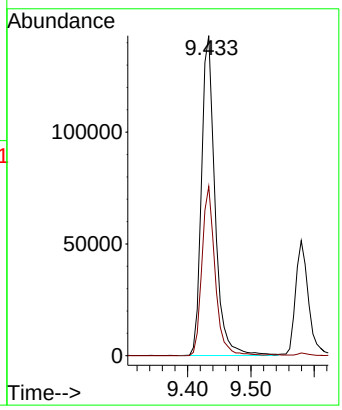


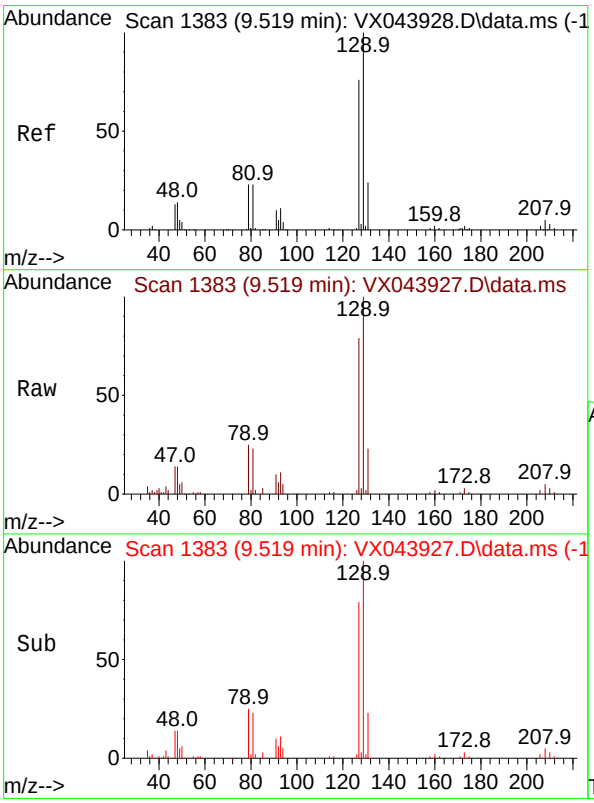
#59
2-Hexanone
Concen: 106.832 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 213629

Ion	Ratio	Lower	Upper
43	100		
58	51.6	25.9	77.6

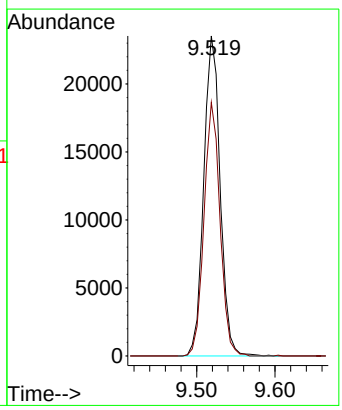


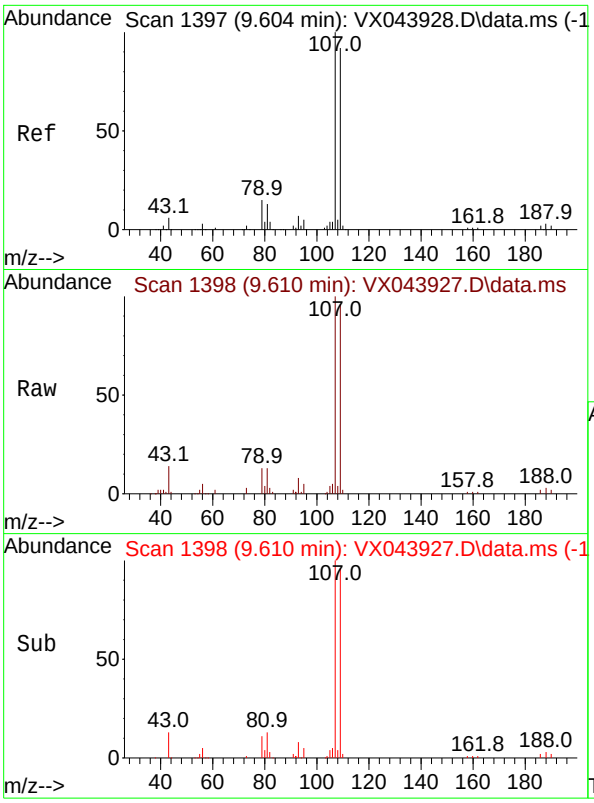


#60
Dibromochloromethane
Concen: 20.030 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:129 Resp: 34133

Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.2	114.6



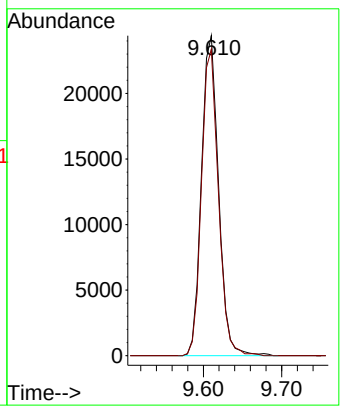


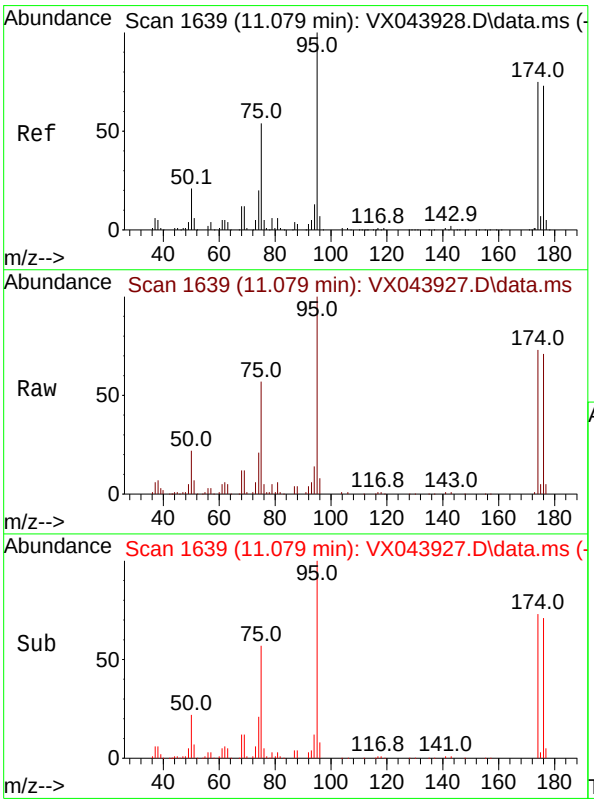
#61
1,2-Dibromoethane
Concen: 21.536 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:107 Resp: 36985

Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.2	112.8

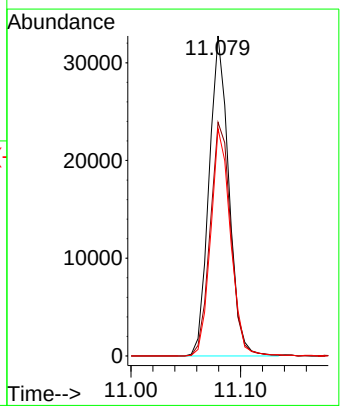


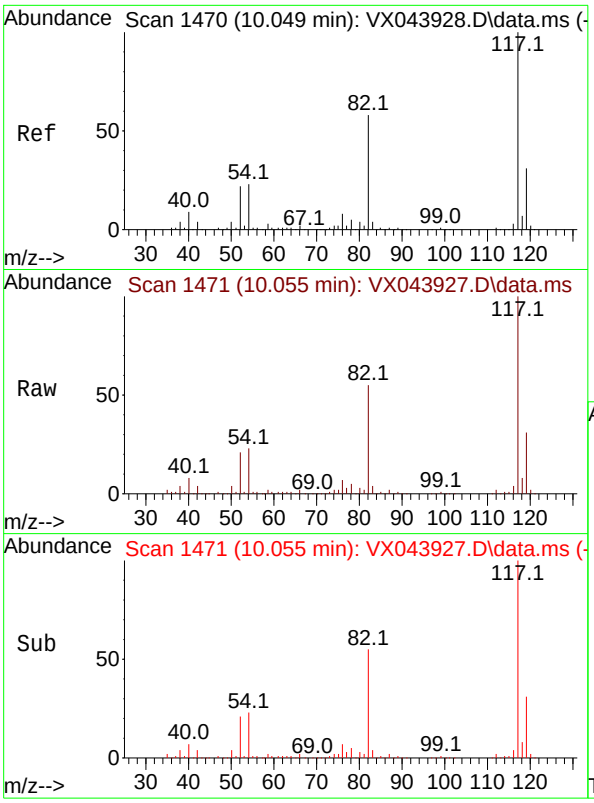


#62
4-Bromofluorobenzene
Concen: 19.776 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 95 Resp: 41087

Ion	Ratio	Lower	Upper
95	100		
174	76.2	0.0	150.4
176	71.1	0.0	146.0



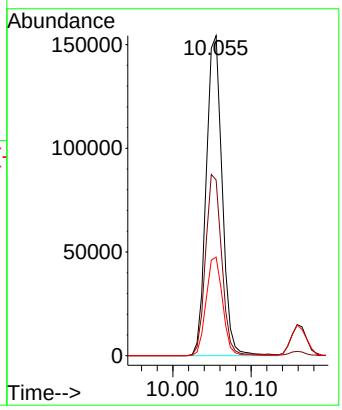


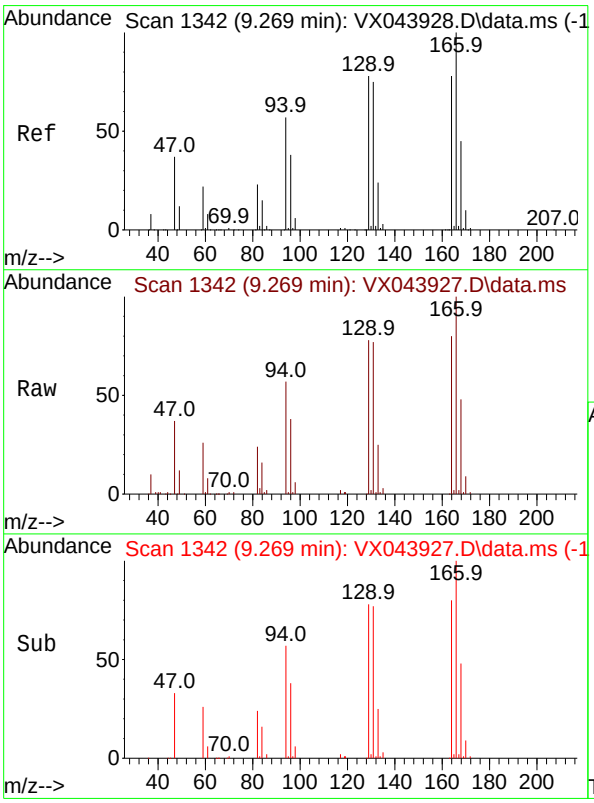
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:117 Resp: 217871

Ion	Ratio	Lower	Upper
117	100		
82	54.9	46.4	69.6
119	30.8	24.6	37.0

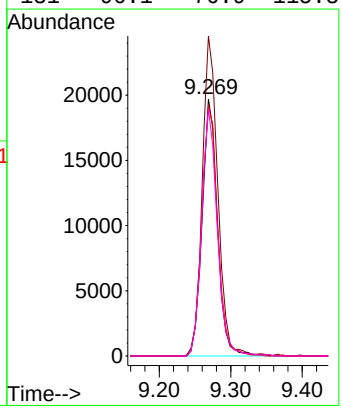


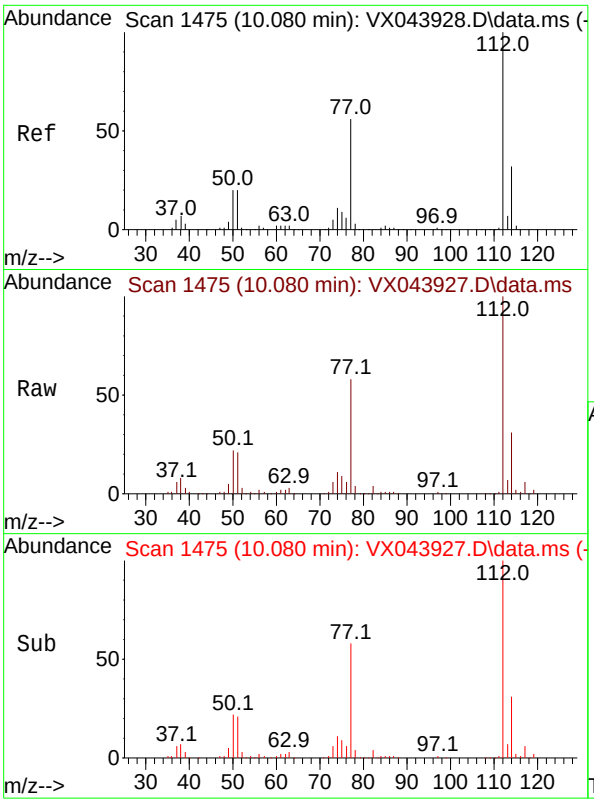


#64
Tetrachloroethene
Concen: 20.377 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:164 Resp: 29274

Ion	Ratio	Lower	Upper
164	100		
166	124.6	102.1	153.1
129	97.2	79.6	119.4
131	96.1	76.9	115.3



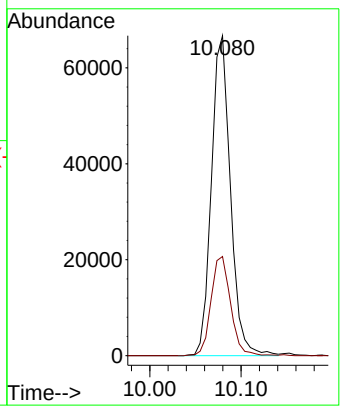


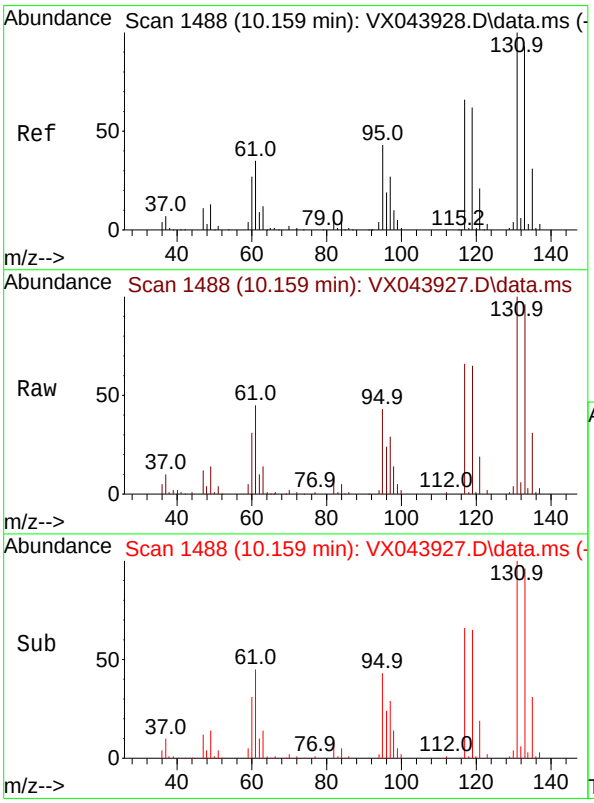
#65
Chlorobenzene
Concen: 20.160 ug/l
RT: 10.080 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:112 Resp: 96469

Ion	Ratio	Lower	Upper
112	100		
114	31.0	25.4	38.0

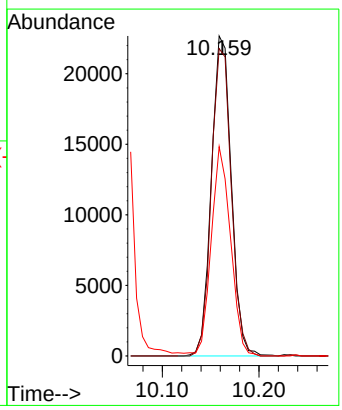


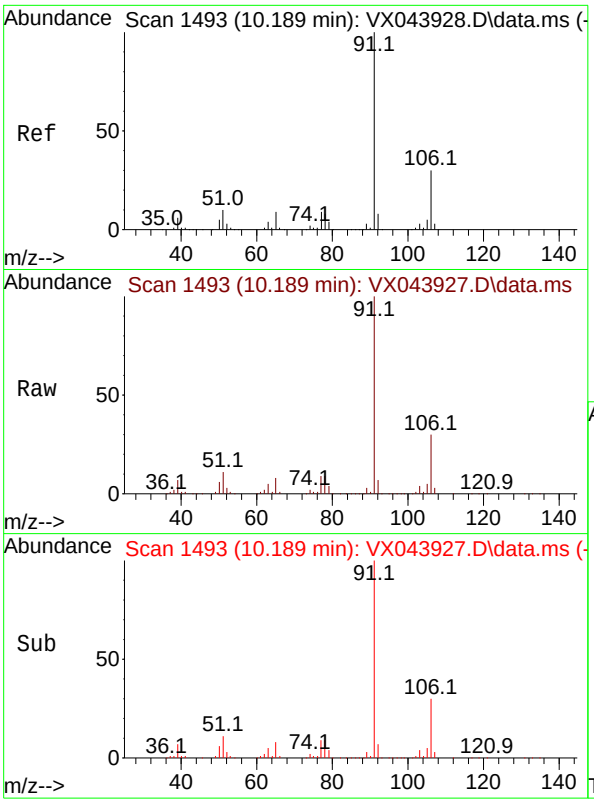


#66
1,1,1,2-Tetrachloroethane
Concen: 20.848 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:131 Resp: 32353

Ion	Ratio	Lower	Upper
131	100		
133	96.2	48.2	144.6
119	63.7	31.5	94.5



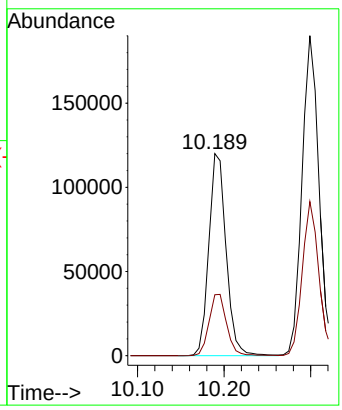


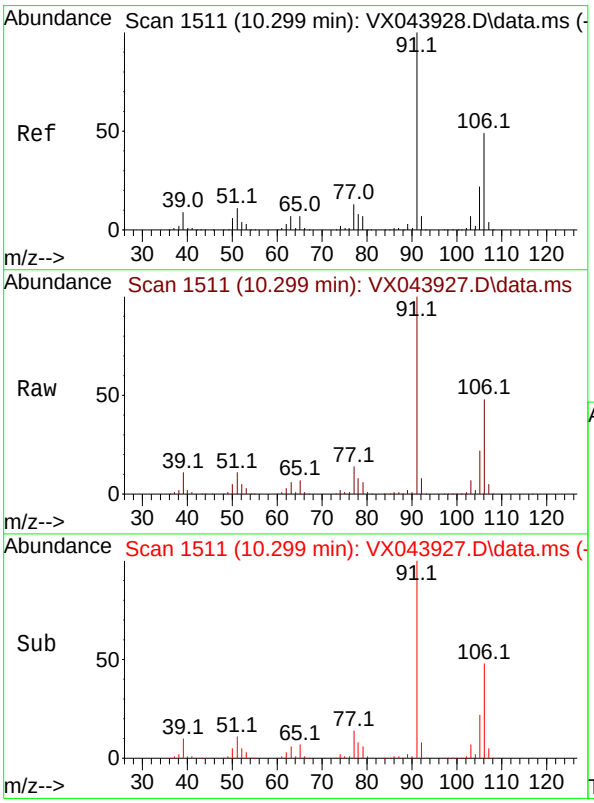
#67
Ethyl Benzene
Concen: 20.527 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 166435

Ion	Ratio	Lower	Upper
91	100		
106	30.1	23.6	35.4

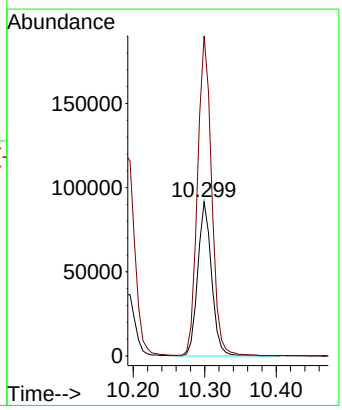


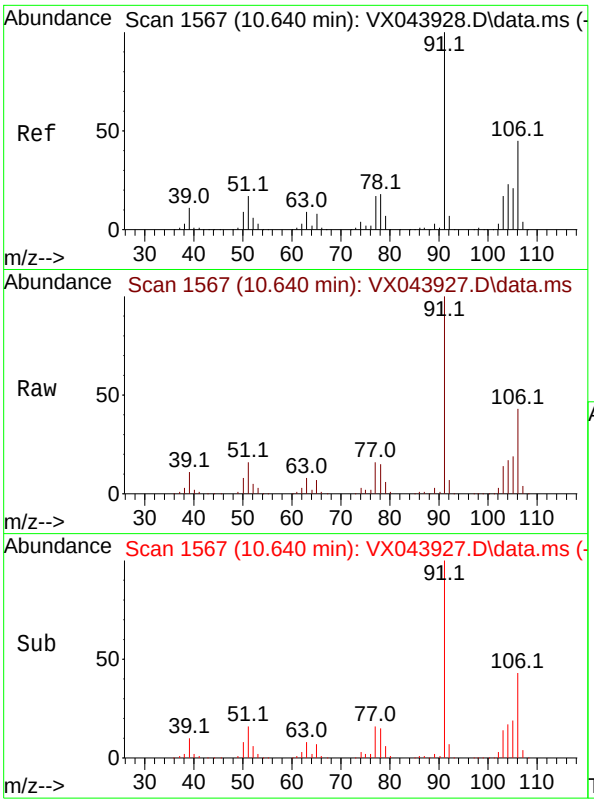


#68
m/p-Xylenes
Concen: 40.565 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:106 Resp: 122658

Ion	Ratio	Lower	Upper
106	100		
91	211.9	168.1	252.1



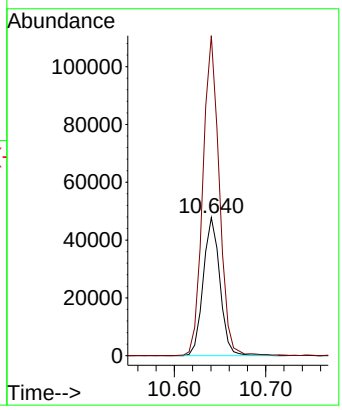


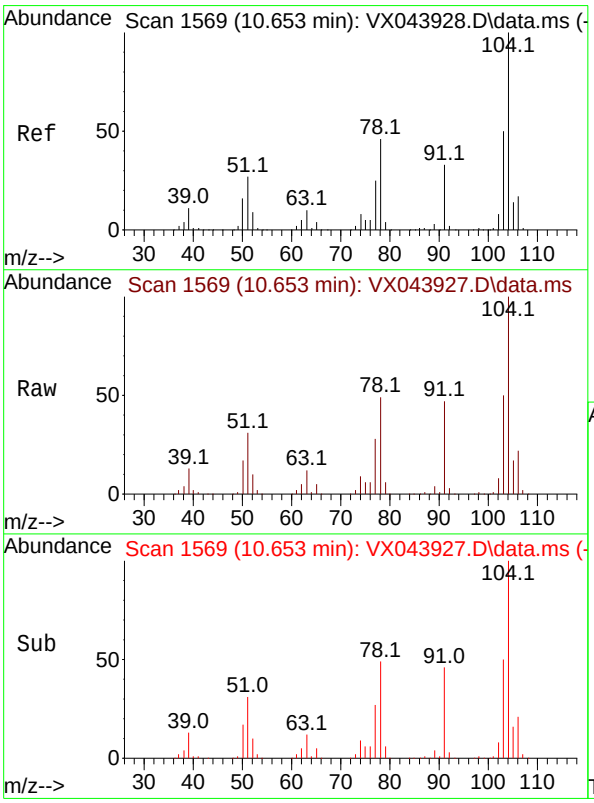
#69
o-Xylene
Concen: 20.409 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 60254

Ion	Ratio	Lower	Upper
106	100		
91	229.5	110.2	330.6

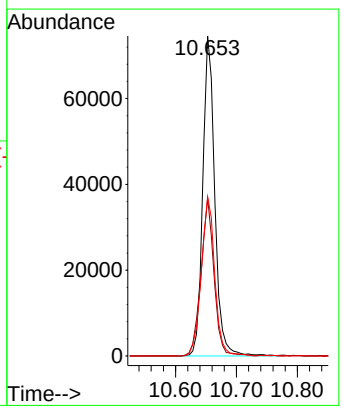


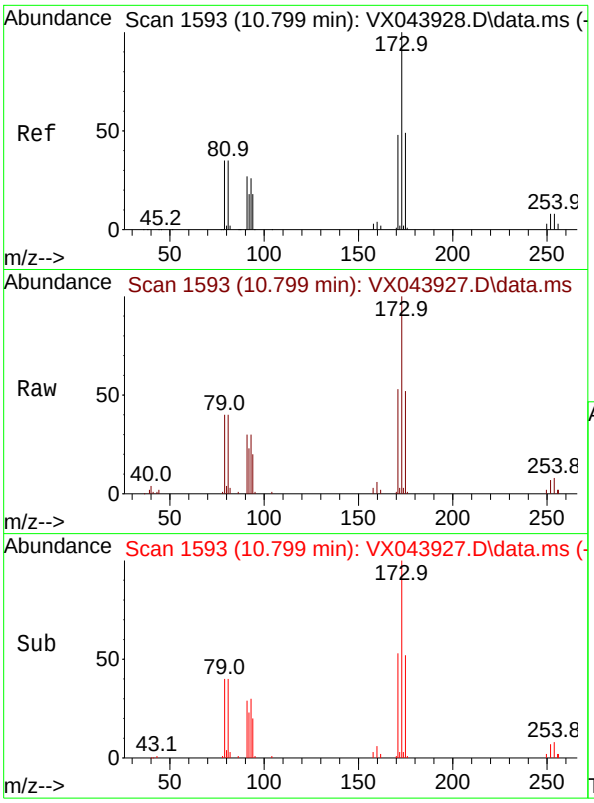


#70
Styrene
Concen: 20.956 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:104 Resp: 102329

Ion	Ratio	Lower	Upper
104	100		
78	53.5	42.2	63.2
103	55.5	44.7	67.1



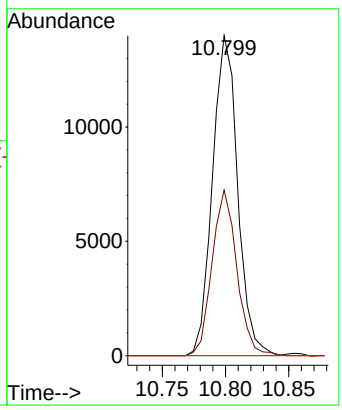


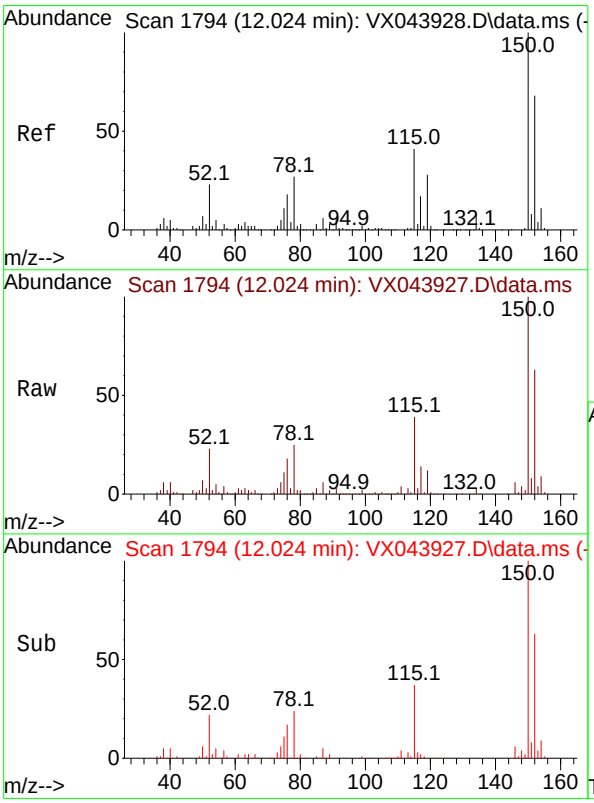
#71
Bromoform
Concen: 17.792 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:173 Resp: 19329

Ion	Ratio	Lower	Upper
173	100		
175	51.0	24.1	72.2
254	0.0	0.0	0.0

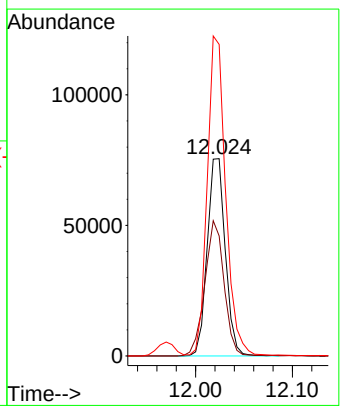


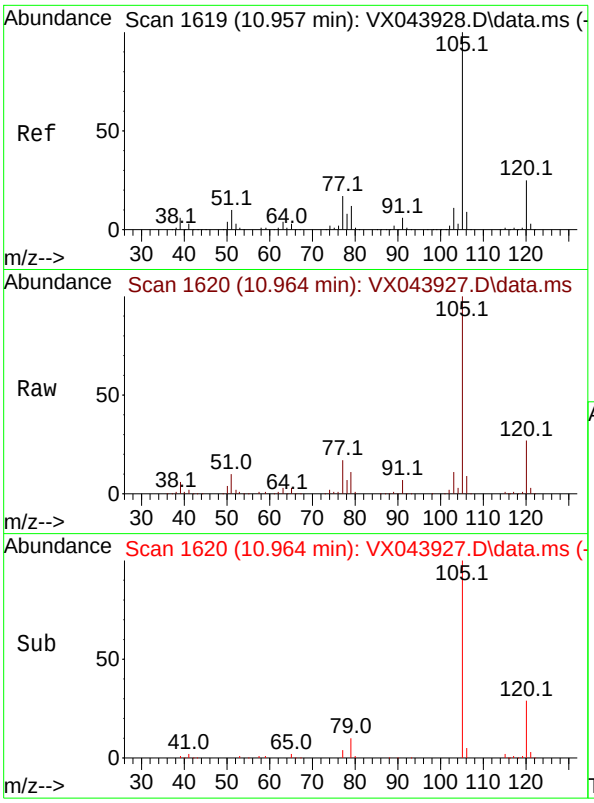


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:152 Resp: 98477

Ion	Ratio	Lower	Upper
152	100		
115	73.0	45.4	136.2
150	165.0	0.0	353.0



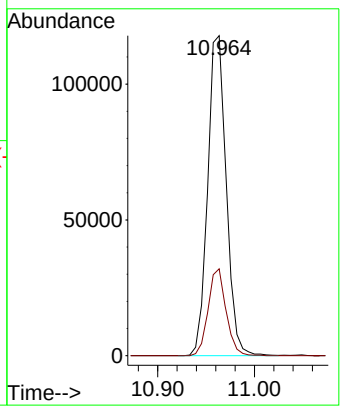


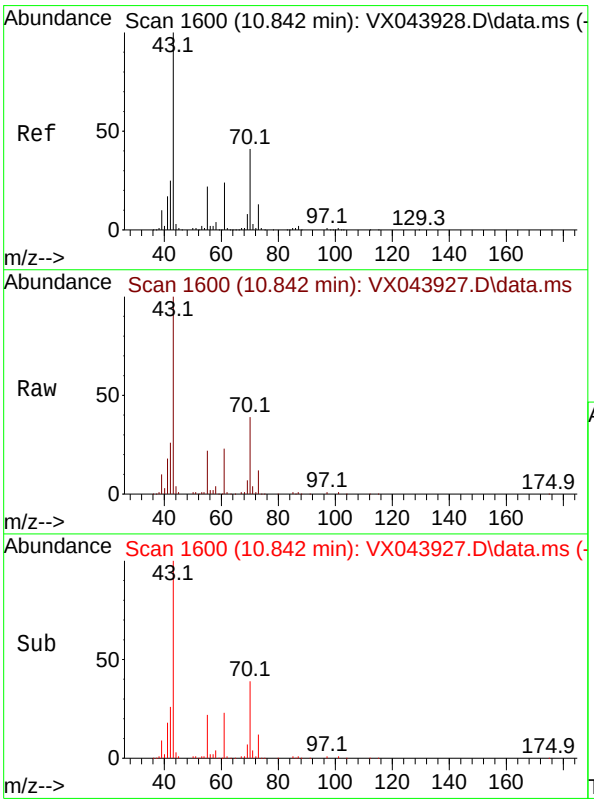
#73
Isopropylbenzene
Concen: 20.794 ug/l
RT: 10.964 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 157405

Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.0	38.9

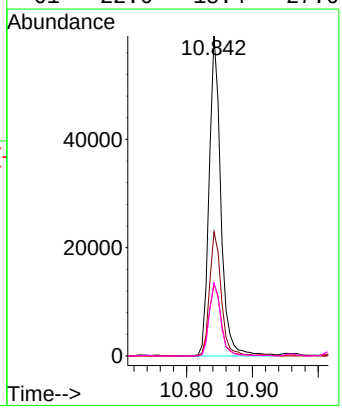


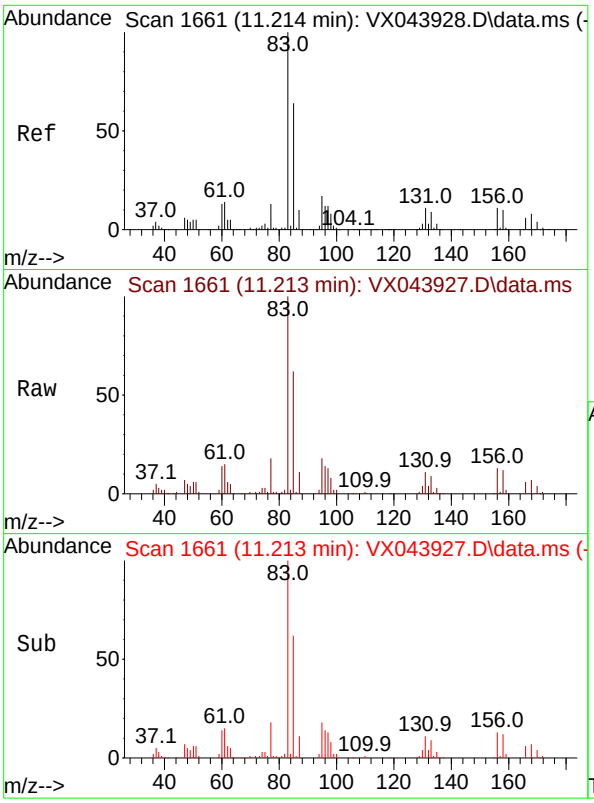


#74
N-amyl acetate
Concen: 20.967 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 43 Resp: 73525

Ion	Ratio	Lower	Upper
43	100		
70	39.1	32.2	48.2
55	23.3	18.1	27.1
61	22.6	18.4	27.6



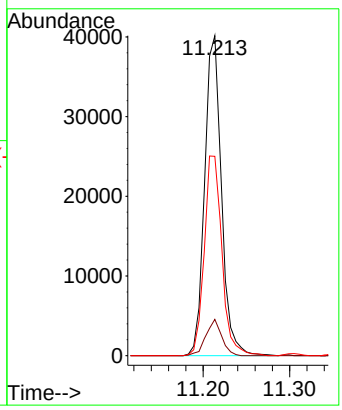


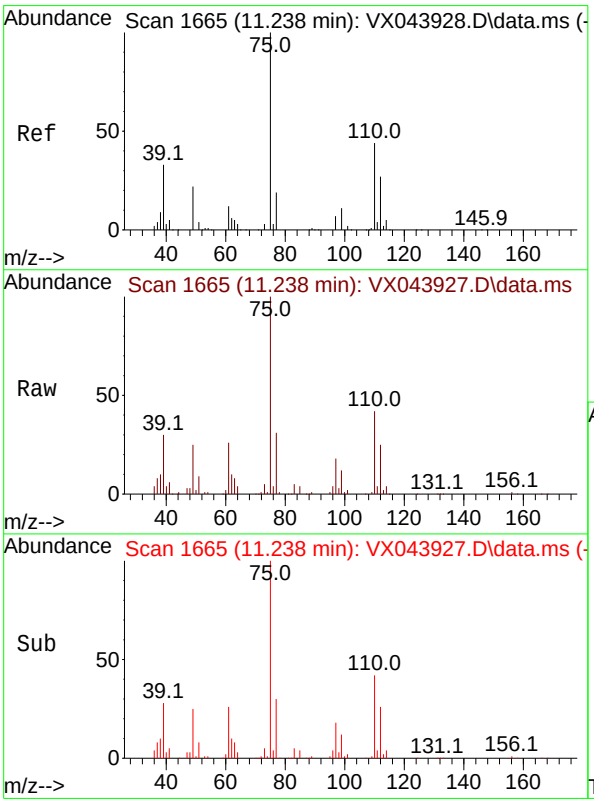
#75
1,1,2,2-Tetrachloroethane
Concen: 20.894 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 54158

Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.1	15.2
85	65.7	32.2	96.6

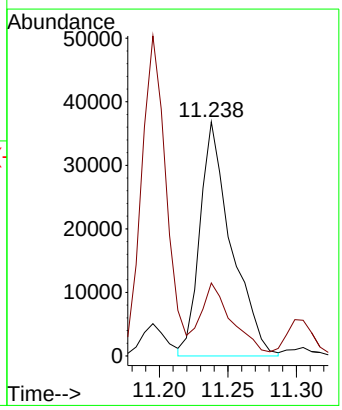


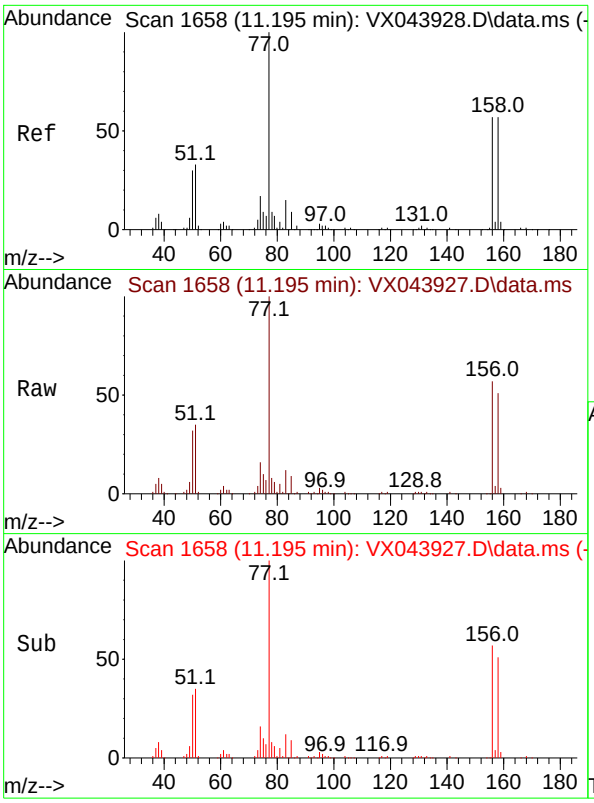


#76
1,2,3-Trichloropropane
Concen: 27.659 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 75 Resp: 58738

Ion	Ratio	Lower	Upper
75	100		
77	31.6	21.8	65.3



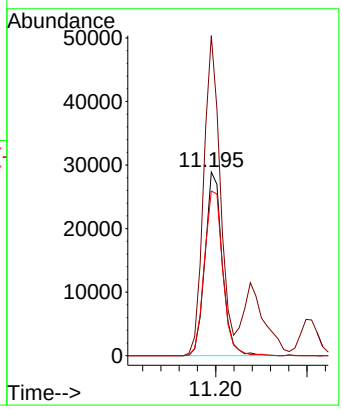


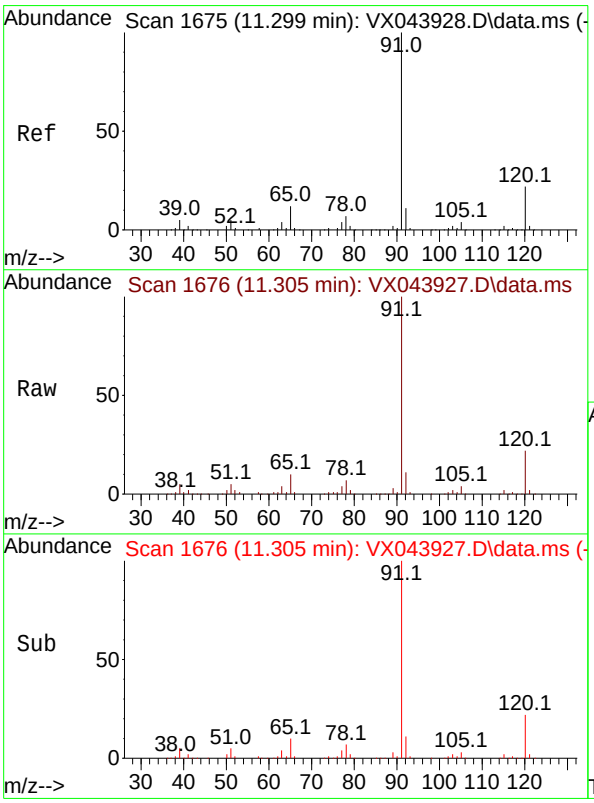
#77
Bromobenzene
Concen: 20.839 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:156 Resp: 37631

Ion	Ratio	Lower	Upper
156	100		
77	167.6	83.4	250.1
158	96.0	47.6	142.8

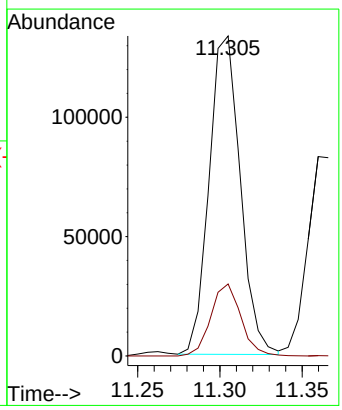


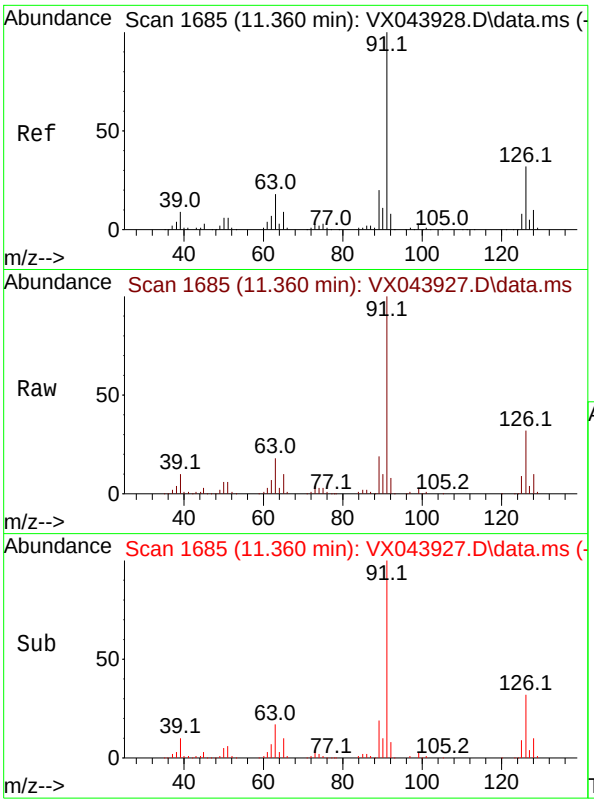


#78
n-propylbenzene
Concen: 20.821 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 91 Resp: 176034

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.5	34.4



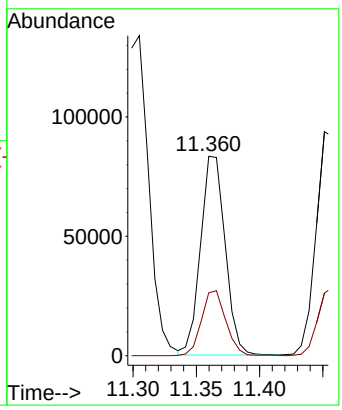


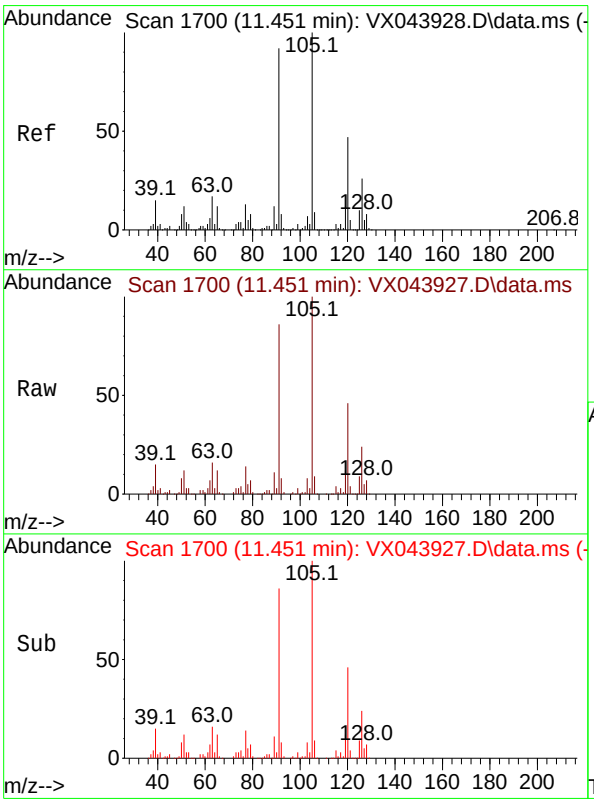
#79
2-Chlorotoluene
Concen: 21.134 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 112986

Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.6	49.8

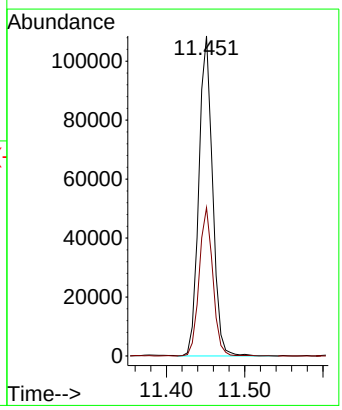


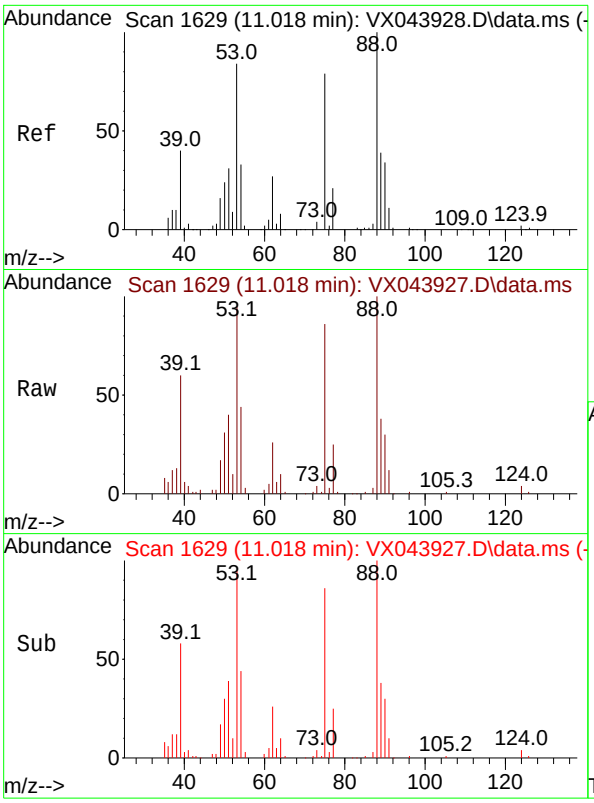


#80
1,3,5-Trimethylbenzene
Concen: 21.202 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:105 Resp: 132041

Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.3	69.8



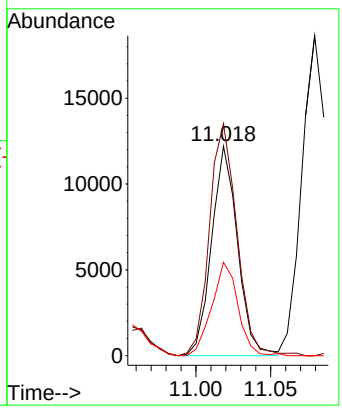


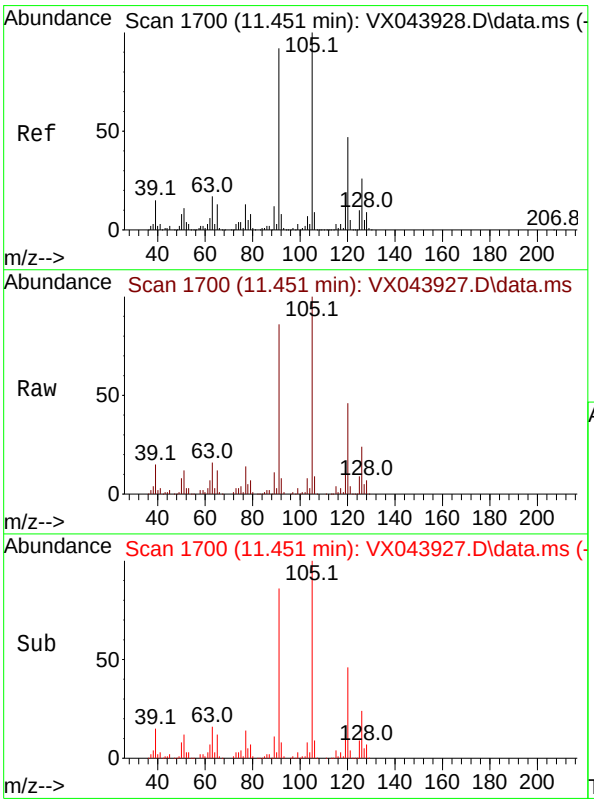
#81
trans-1,4-Dichloro-2-butene
Concen: 18.629 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 14743

Ion	Ratio	Lower	Upper
75	100		
53	116.9	86.7	130.1
89	44.8	38.2	57.2

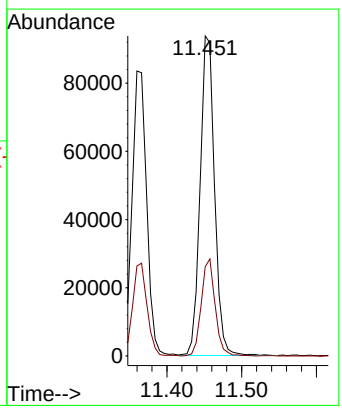


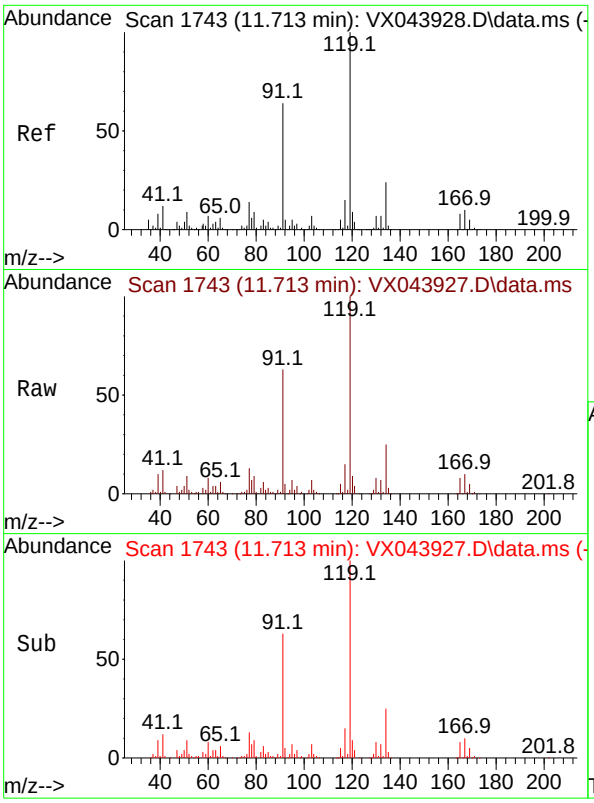


#82
4-Chlorotoluene
Concen: 20.797 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 91 Resp: 125521

Ion	Ratio	Lower	Upper
91	100		
126	29.2	14.3	42.9



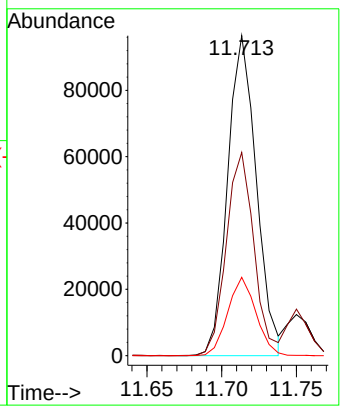


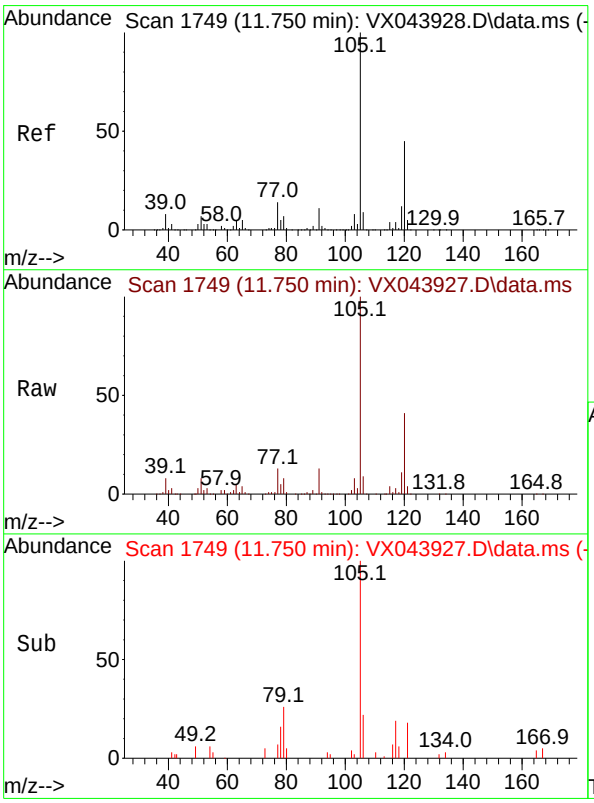
#83
tert-Butylbenzene
Concen: 20.839 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:119 Resp: 128636

Ion	Ratio	Lower	Upper
119	100		
91	61.4	31.0	93.0
134	24.2	11.6	34.8

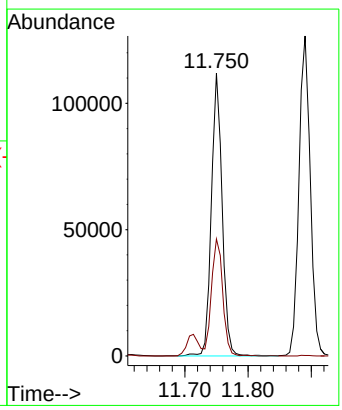


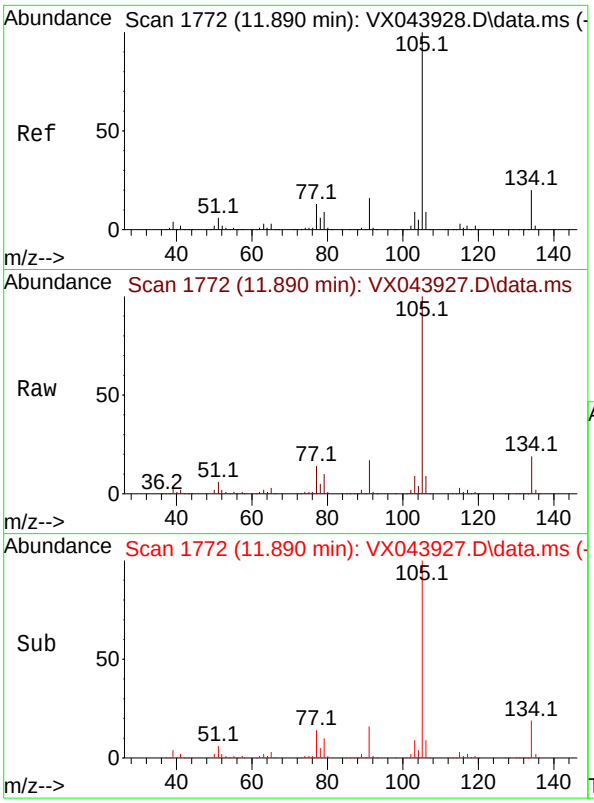


#84
1,2,4-Trimethylbenzene
Concen: 21.385 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:105 Resp: 132595

Ion	Ratio	Lower	Upper
105	100		
120	42.9	21.9	65.7



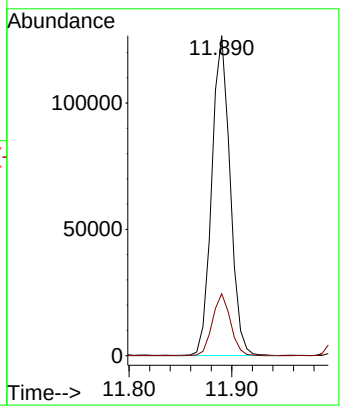


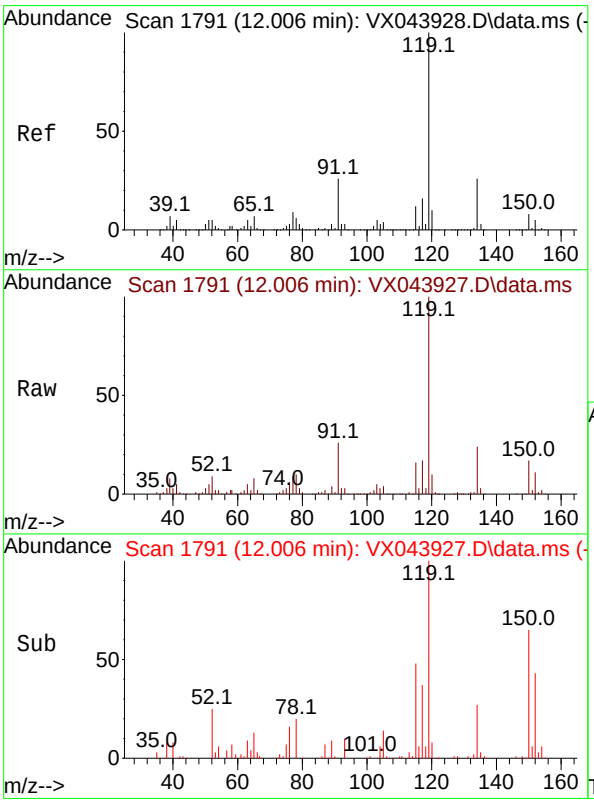
#85
sec-Butylbenzene
Concen: 20.668 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 156312

Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.7	29.1

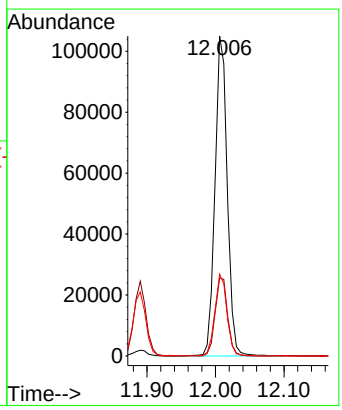


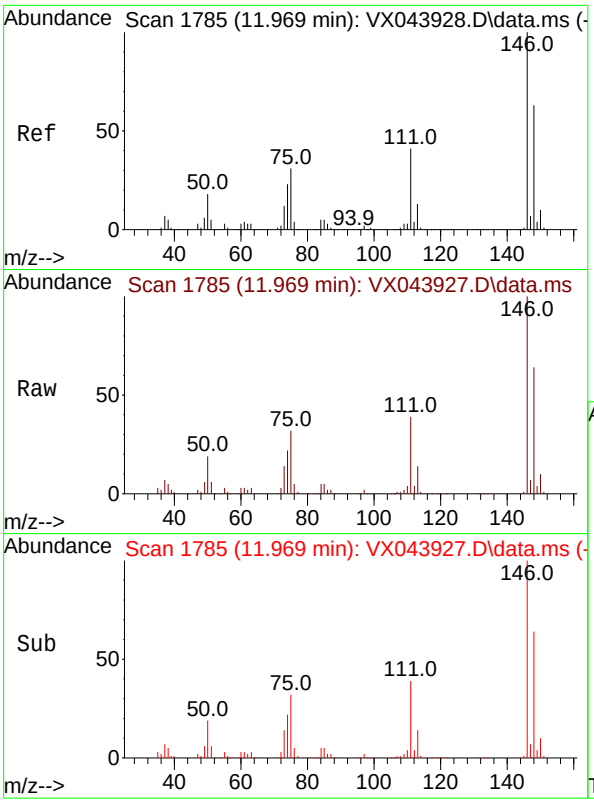


#86
p-Isopropyltoluene
Concen: 21.260 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:119 Resp: 130605

Ion	Ratio	Lower	Upper
119	100		
134	24.8	13.0	38.9
91	25.2	13.0	38.9



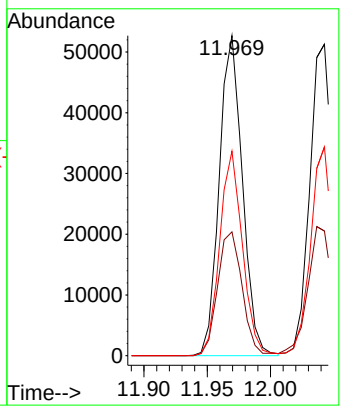


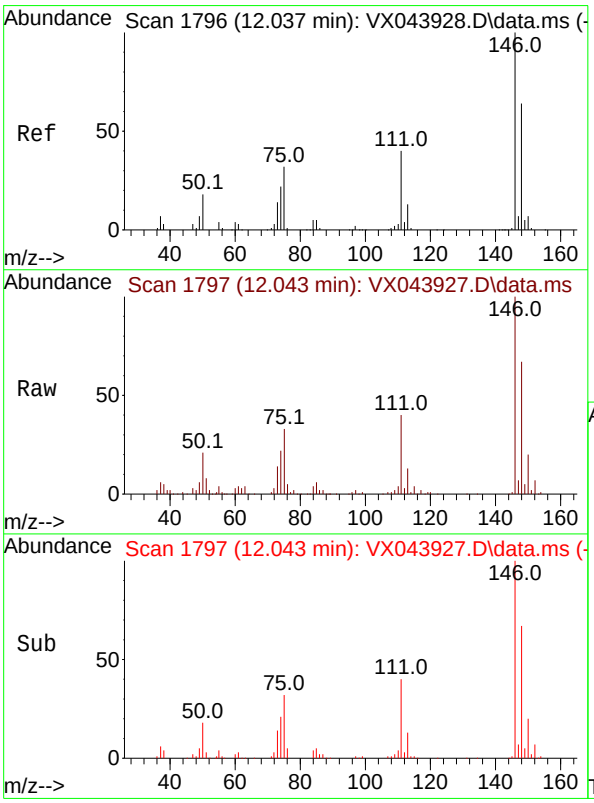
#87
1,3-Dichlorobenzene
Concen: 20.372 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 67003

Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.1	63.3
148	62.8	31.7	95.1

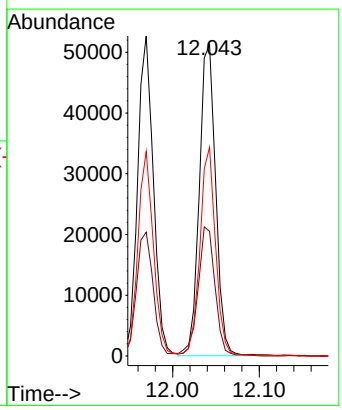


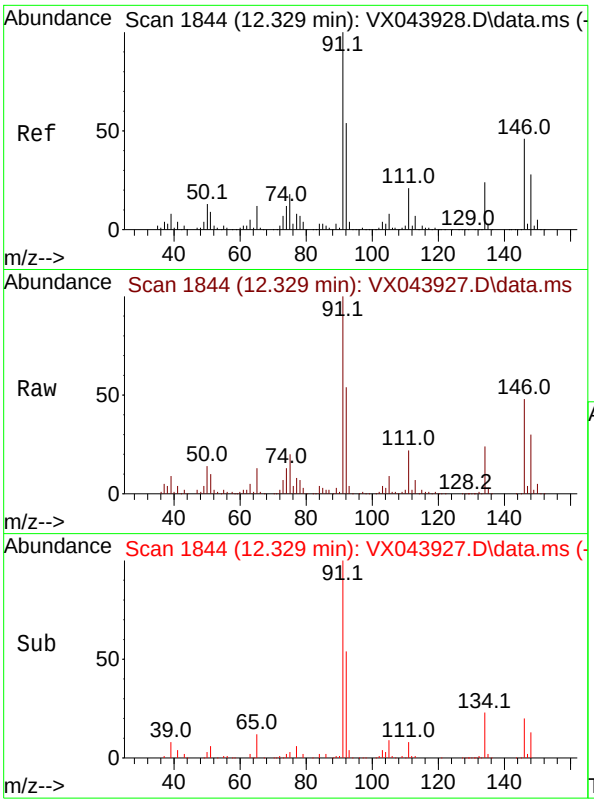


#88
1,4-Dichlorobenzene
Concen: 20.118 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:146 Resp: 67195

Ion	Ratio	Lower	Upper
146	100		
111	43.4	20.1	60.3
148	64.1	30.9	92.8



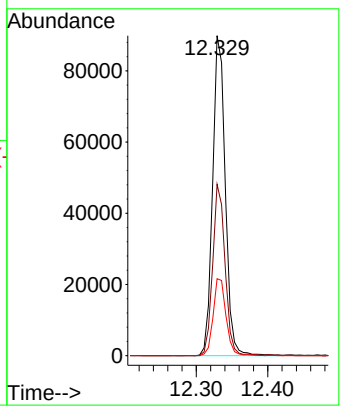


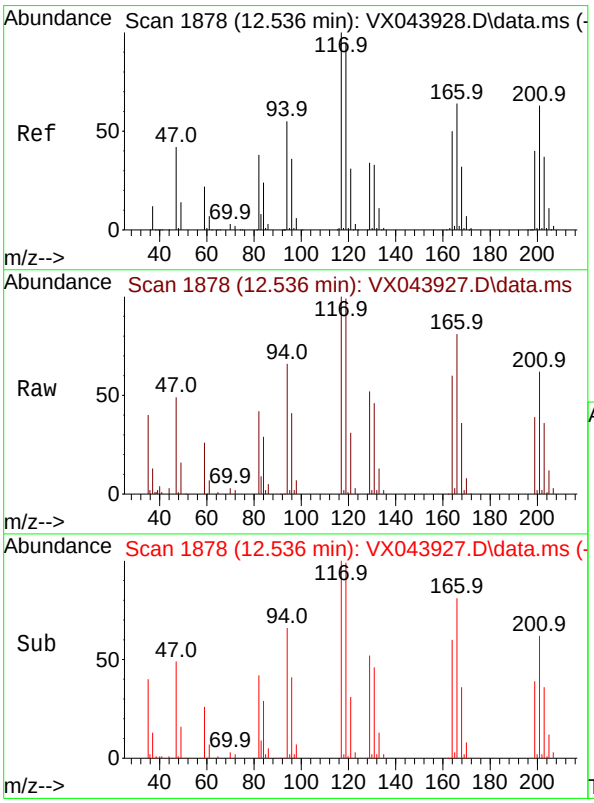
#89
n-Butylbenzene
Concen: 20.399 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 110491

Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.6	79.8
134	24.4	12.4	37.2

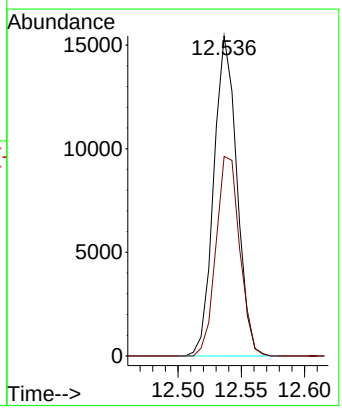


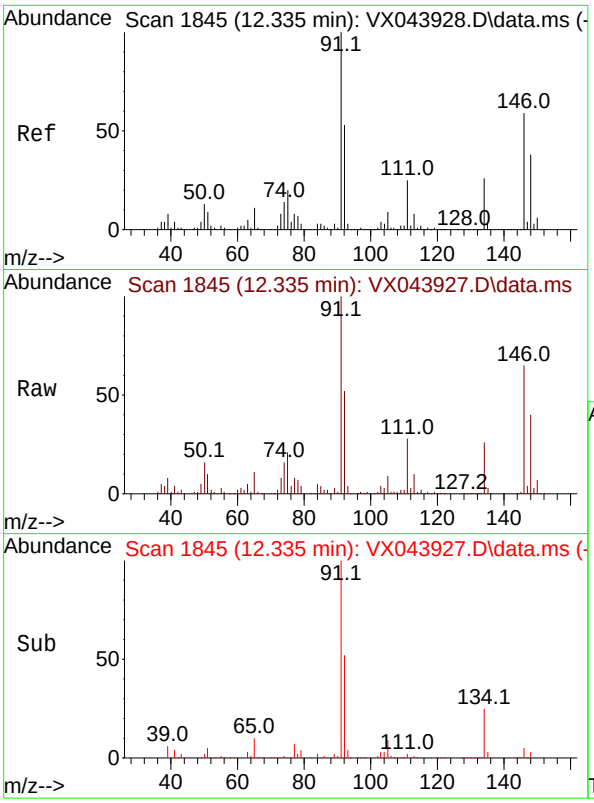


#90
Hexachloroethane
Concen: 18.712 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:117 Resp: 19547

Ion	Ratio	Lower	Upper
117	100		
201	64.5	32.4	97.0



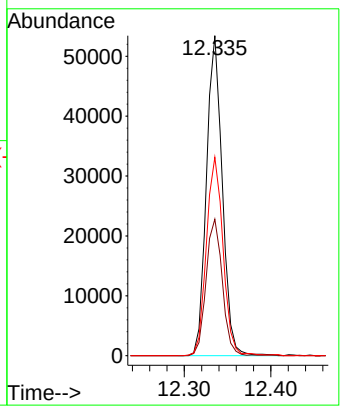


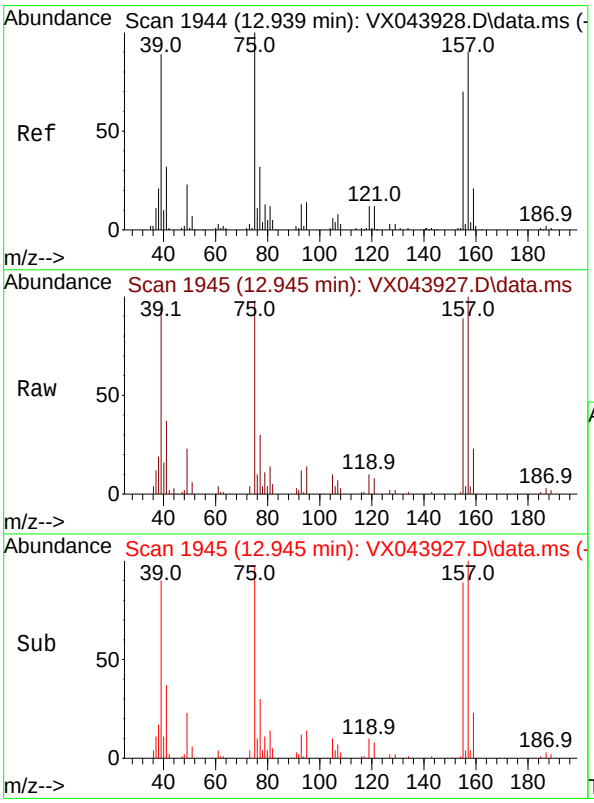
#91
1,2-Dichlorobenzene
Concen: 20.443 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 67852

Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.5	64.5
148	65.4	31.9	95.5

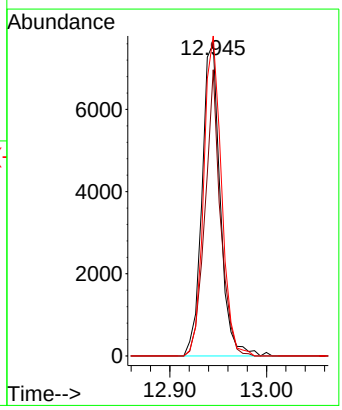


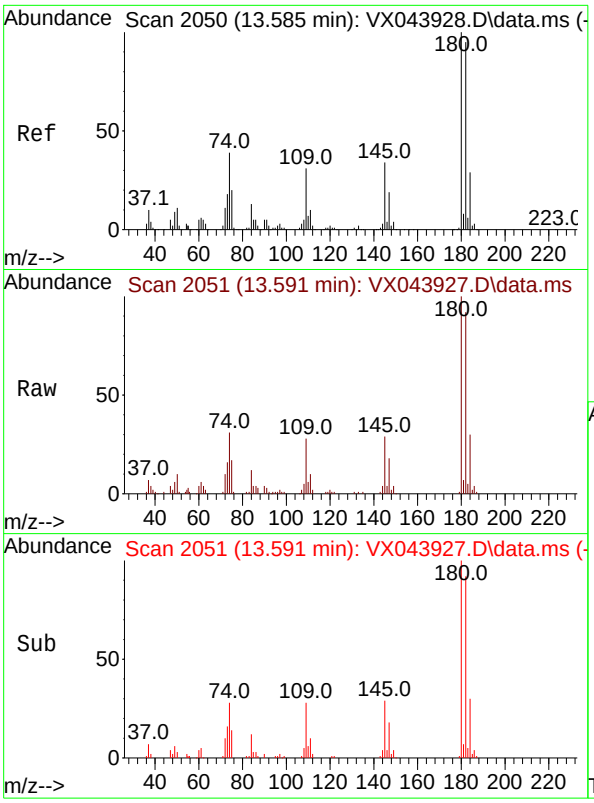


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.137 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 75 Resp: 9939

Ion	Ratio	Lower	Upper
75	100		
155	77.7	40.1	120.2
157	100.2	49.6	149.0



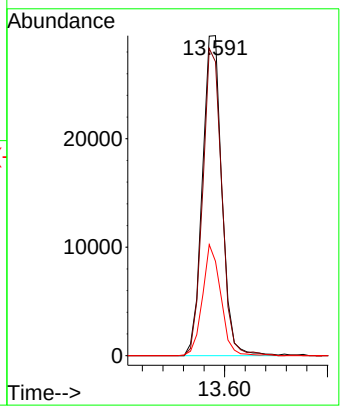


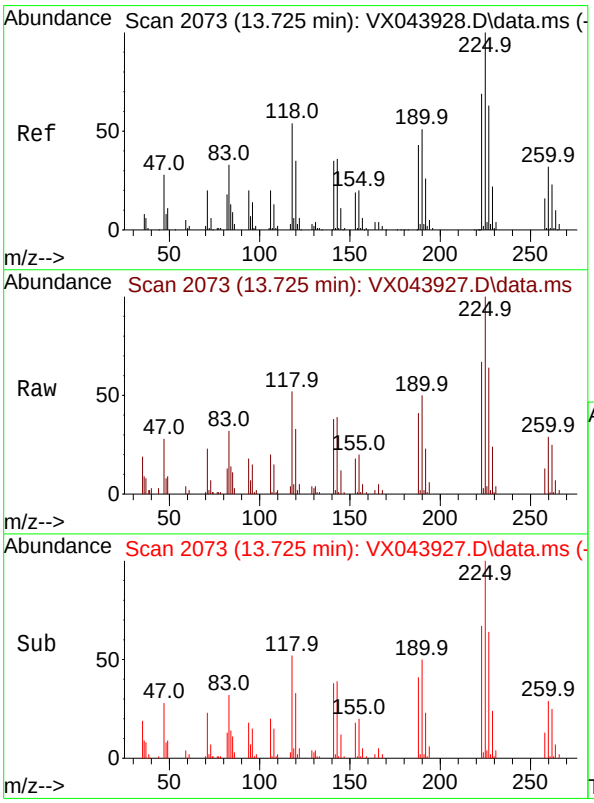
#93
1,2,4-Trichlorobenzene
Concen: 19.862 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:180 Resp: 38866

Ion	Ratio	Lower	Upper
180	100		
182	93.9	48.0	144.2
145	32.7	16.8	50.4

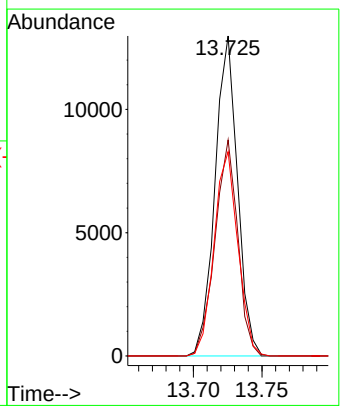


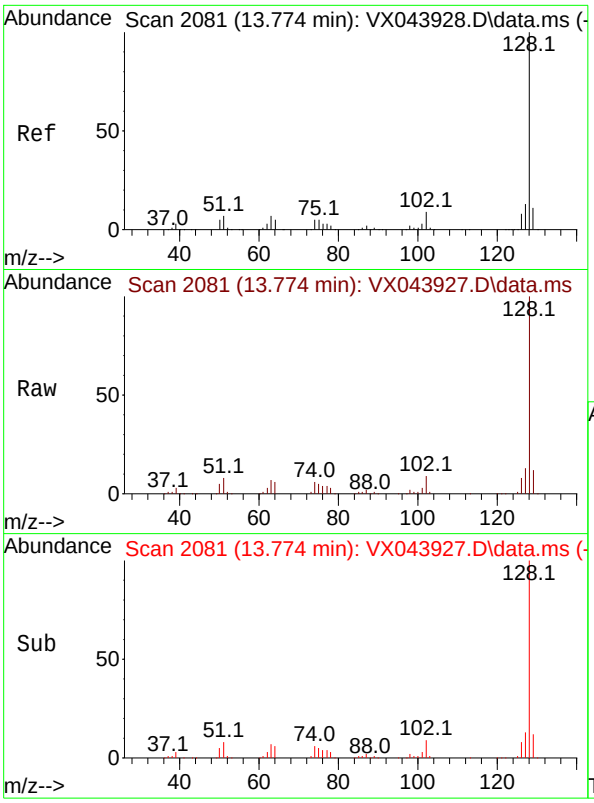


#94
Hexachlorobutadiene
Concen: 19.160 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:225 Resp: 14818

Ion	Ratio	Lower	Upper
225	100		
223	67.9	32.9	98.6
227	67.6	31.6	94.8



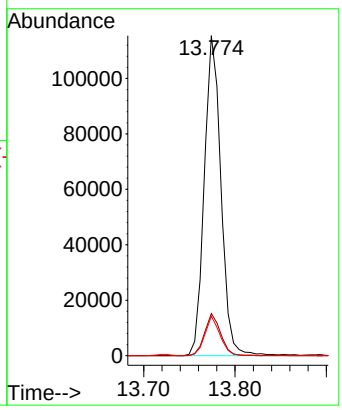


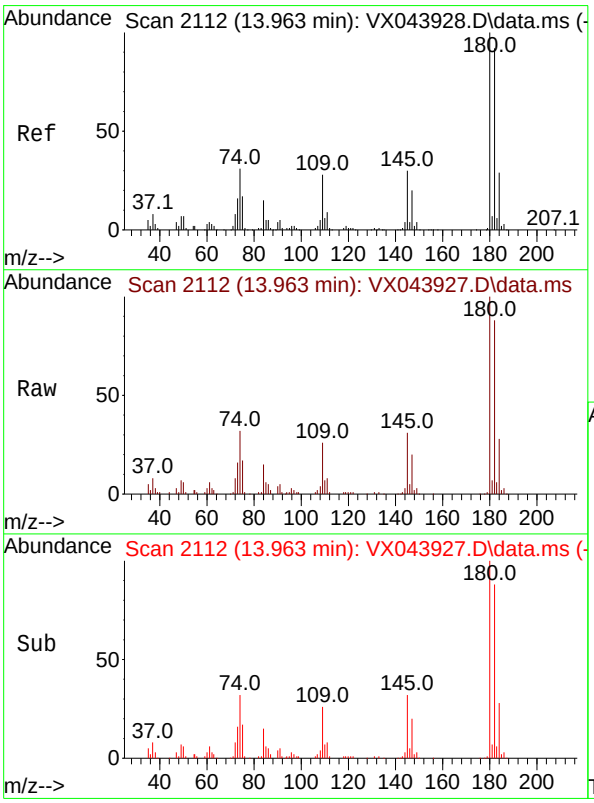
#95
Naphthalene
Concen: 20.681 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:128 Resp: 145678

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	11.3	8.6	12.8

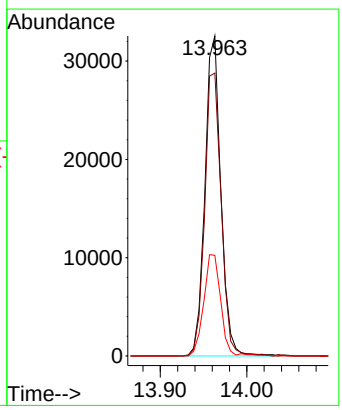




#96
1,2,3-Trichlorobenzene
Concen: 20.981 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:180 Resp: 41554

Ion	Ratio	Lower	Upper
180	100		
182	91.6	45.6	136.8
145	33.9	16.4	49.4



Quantitation Report (Not Reviewed)

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

Quant Time: Nov 22 03:30:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 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	0.00
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	43.792	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 87.580%			
35) Dibromofluoromethane	5.379	113	78954	45.729	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 91.460%			
50) Toluene-d8	8.641	98	266650	44.803	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 89.600%			
62) 4-Bromofluorobenzene	11.079	95	93510	46.166	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 92.340%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	94790	53.994	ug/l	100
3) Chloromethane	1.295	50	96646	52.315	ug/l	100
4) Vinyl Chloride	1.374	62	105586	53.734	ug/l	100
5) Bromomethane	1.593	94	61728	51.065	ug/l	100
6) Chloroethane	1.660	64	63580	53.102	ug/l	100
7) Trichlorofluoromethane	1.868	101	188045	53.527	ug/l	100
8) Diethyl Ether	2.130	74	65665	51.283	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.313	101	91167	54.404	ug/l	100
10) Methyl Iodide	2.441	142	112083	53.554	ug/l	100
11) Tert butyl alcohol	2.995	59	100130	262.460	ug/l	100
12) 1,1-Dichloroethene	2.307	96	83087	52.033	ug/l	100
13) Acrolein	2.233	56	100647	250.289	ug/l	100
14) Allyl chloride	2.654	41	144663	55.443	ug/l	100
15) Acrylonitrile	3.063	53	256493	275.887	ug/l	100
16) Acetone	2.380	43	294611	269.872	ug/l	100
17) Carbon Disulfide	2.502	76	178294	54.130	ug/l	100
18) Methyl Acetate	2.703	43	136735	53.785	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	313754	54.114	ug/l	100
20) Methylene Chloride	2.782	84	92475	49.918	ug/l	100
21) trans-1,2-Dichloroethene	3.081	96	87752	53.227	ug/l	100
22) Diisopropyl ether	3.758	45	299631	53.704	ug/l	100
23) Vinyl Acetate	3.715	43	1344870	281.781	ug/l	100
24) 1,1-Dichloroethane	3.599	63	174008	54.063	ug/l	100
25) 2-Butanone	4.556	43	392575	278.700	ug/l	100
26) 2,2-Dichloropropane	4.465	77	158151	54.407	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	109742	53.852	ug/l	100
28) Bromochloromethane	4.885	49	62386	44.034	ug/l	100
29) Tetrahydrofuran	5.001	42	234208	271.213	ug/l	100
30) Chloroform	5.080	83	182404	52.691	ug/l	100
31) Cyclohexane	5.458	56	144224	54.443	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	164023	54.944	ug/l	100
36) 1,1-Dichloropropene	5.678	75	119269	55.435	ug/l	100
37) Ethyl Acetate	4.709	43	147393	55.189	ug/l	100
38) Carbon Tetrachloride	5.666	117	134725	55.729	ug/l	100
39) Methylcyclohexane	7.373	83	158586	56.738	ug/l	100
40) Benzene	6.025	78	360978	53.863	ug/l	100

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

Quant Time: Nov 22 03:30:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	79507	58.165	ug/l		100
42) 1,2-Dichloroethane	6.074	62	145681	54.125	ug/l		100
43) Isopropyl Acetate	6.336	43	235856	55.492	ug/l		100
44) Trichloroethene	7.117	130	90015	47.447	ug/l		100
45) 1,2-Dichloropropane	7.422	63	89529	54.543	ug/l		100
46) Dibromomethane	7.574	93	70679	54.434	ug/l		100
47) Bromodichloromethane	7.818	83	131365	56.411	ug/l		100
48) Methyl methacrylate	7.690	41	112803	55.310	ug/l		100
49) 1,4-Dioxane	7.659	88	33402	949.925	ug/l		88
51) 4-Methyl-2-Pentanone	8.574	43	732582	282.442	ug/l		100
52) Toluene	8.714	92	222500	55.469	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	137451	57.881	ug/l		100
54) cis-1,3-Dichloropropene	8.360	75	147638	56.712	ug/l		100
55) 1,1,2-Trichloroethane	9.147	97	89441	54.016	ug/l		100
56) Ethyl methacrylate	9.116	69	148281	57.494	ug/l		100
57) 1,3-Dichloropropane	9.305	76	151124	54.180	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	371281	262.805	ug/l		100
59) 2-Hexanone	9.427	43	568460	291.589	ug/l		100
60) Dibromochloromethane	9.519	129	95641	57.569	ug/l		100
61) 1,2-Dibromoethane	9.604	107	92940	55.510	ug/l		100
64) Tetrachloroethene	9.269	164	74157	52.988	ug/l		100
65) Chlorobenzene	10.080	112	243080	52.147	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	83934	55.520	ug/l		100
67) Ethyl Benzene	10.189	91	429559	54.383	ug/l		100
68) m/p-Xylenes	10.299	106	323661	109.878	ug/l		100
69) o-Xylene	10.640	106	160643	55.856	ug/l		100
70) Styrene	10.653	104	268004	56.341	ug/l		100
71) Bromoform	10.799	173	60267	52.275	ug/l	#	100
73) Isopropylbenzene	10.957	105	411000	53.299	ug/l		100
74) N-amyl acetate	10.842	43	200195	56.042	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.214	83	139756	52.930	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	157199	72.666	ug/l		83
77) Bromobenzene	11.195	156	97761	53.145	ug/l		100
78) n-propylbenzene	11.299	91	474802	55.131	ug/l		100
79) 2-Chlorotoluene	11.360	91	286649	52.636	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	345531	54.465	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	44450	55.136	ug/l		100
82) 4-Chlorotoluene	11.451	91	333946	54.315	ug/l		100
83) tert-Butylbenzene	11.713	119	345112	54.884	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	345112	54.640	ug/l		100
85) sec-Butylbenzene	11.890	105	426284	55.331	ug/l		100
86) p-Isopropyltoluene	12.006	119	353256	56.448	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	176936	52.812	ug/l		100
88) 1,4-Dichlorobenzene	12.037	146	178728	52.530	ug/l		100
89) n-Butylbenzene	12.329	91	319448	57.897	ug/l		100
90) Hexachloroethane	12.536	117	59010	55.453	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	177334	52.449	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	28467	53.806	ug/l		100
93) 1,2,4-Trichlorobenzene	13.585	180	108749	54.556	ug/l		100
94) Hexachlorobutadiene	13.725	225	41267	52.382	ug/l		100
95) Naphthalene	13.774	128	401752	55.990	ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	112162	55.593	ug/l		100

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

Quant Time: Nov 22 03:30:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

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

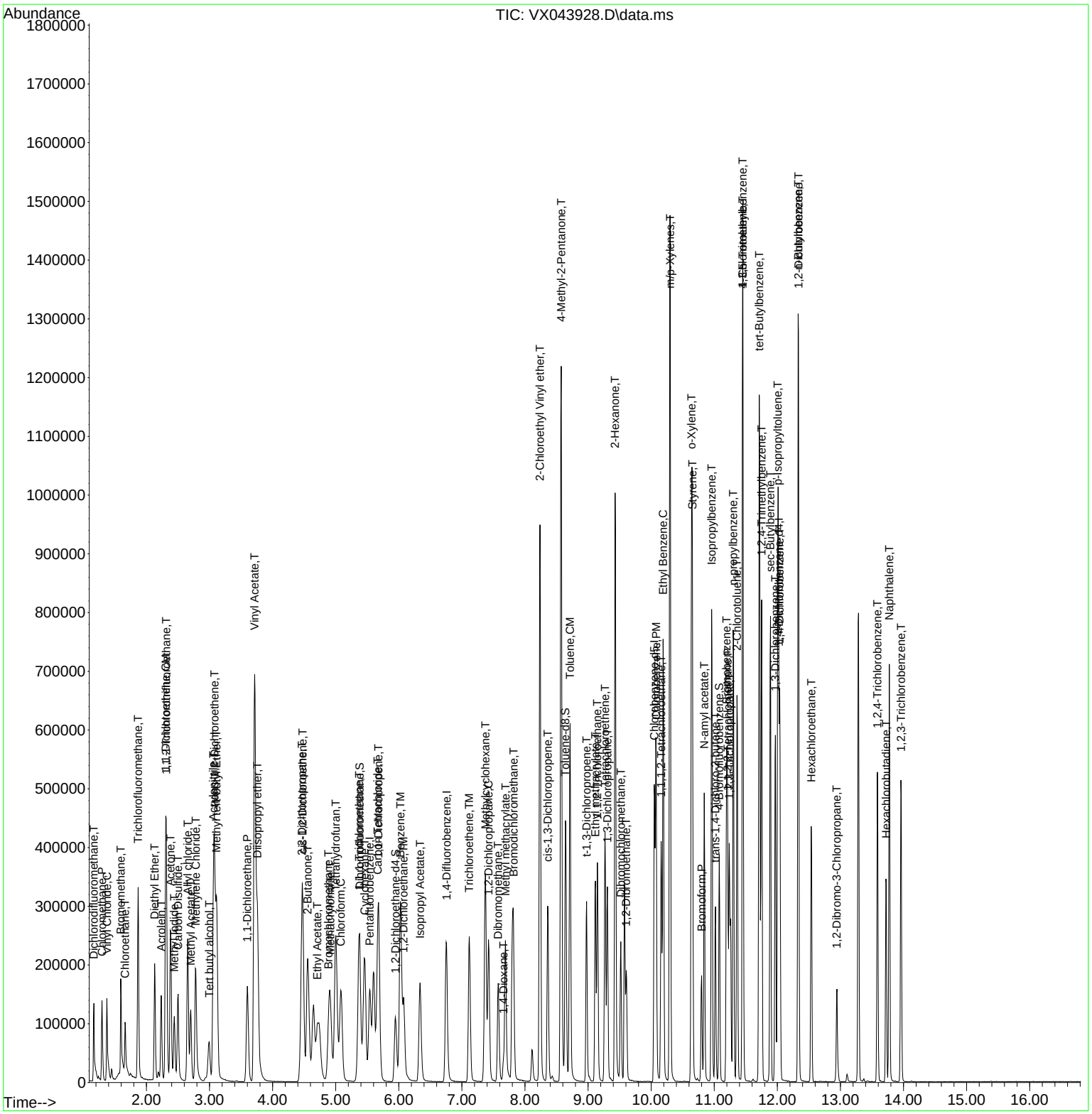
(#) = qualifier out of range (m) = manual integration (+) = signals summed

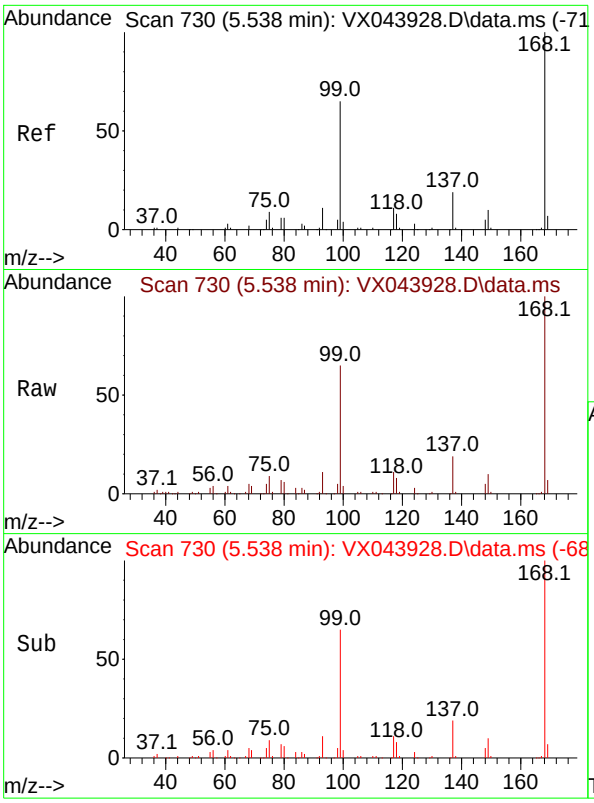
Quantitation Report (Not Reviewed)

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

Quant Time: Nov 22 03:30:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration



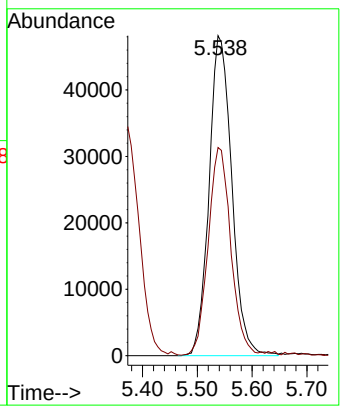


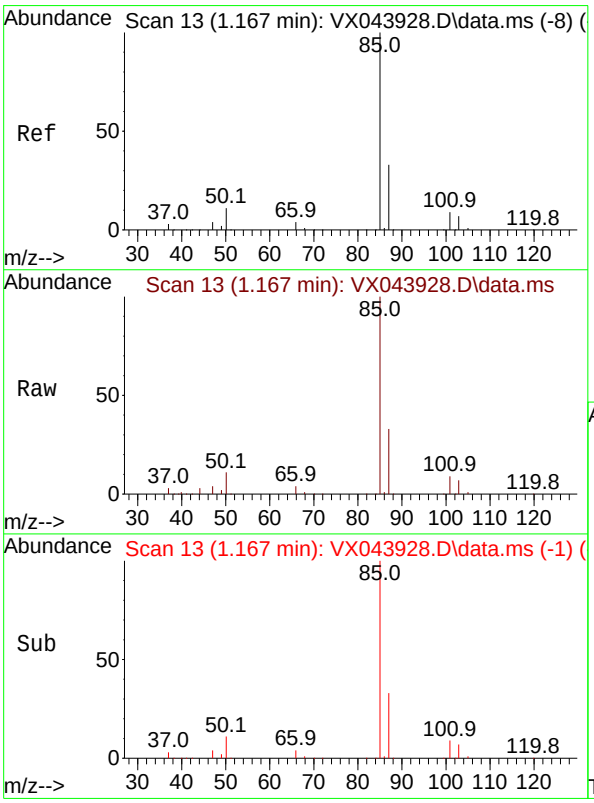
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 138578

Ion	Ratio	Lower	Upper
168	100		
99	64.8	51.8	77.8

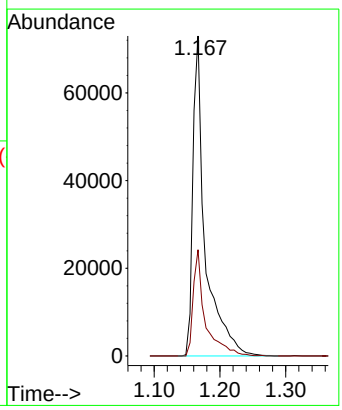


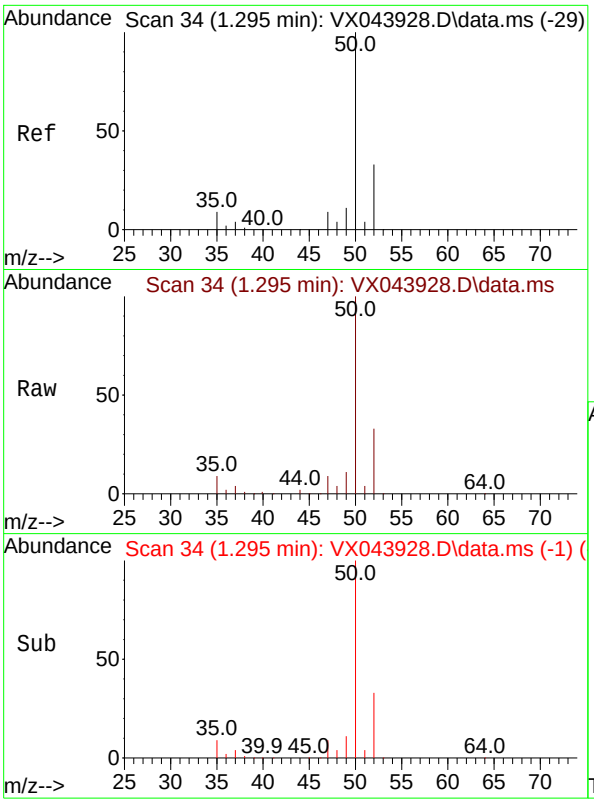


#2
Dichlorodifluoromethane
Concen: 53.994 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 85 Resp: 94790

Ion	Ratio	Lower	Upper
85	100		
87	33.2	16.6	49.8



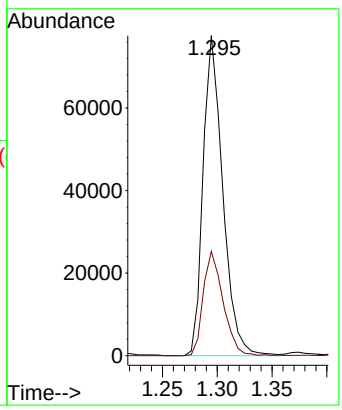


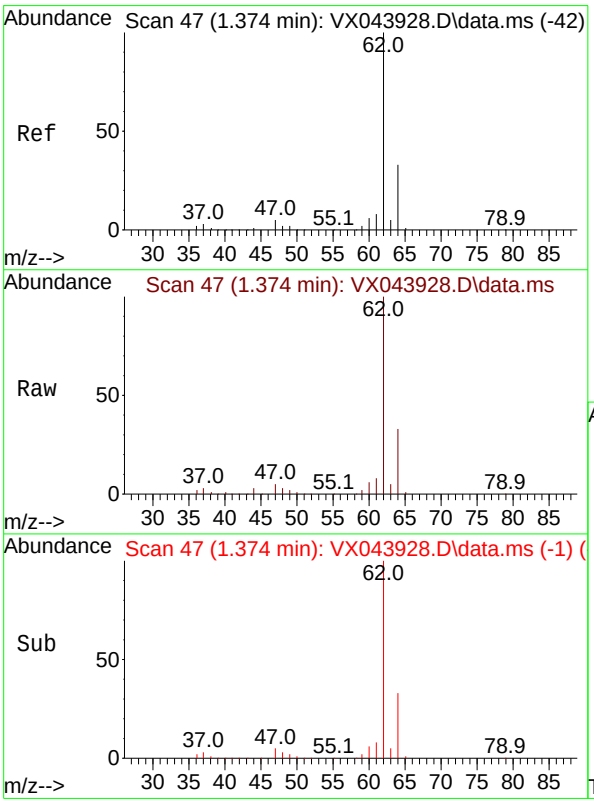
#3
Chloromethane
Concen: 52.315 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 96646

Ion	Ratio	Lower	Upper
50	100		
52	32.6	26.1	39.1

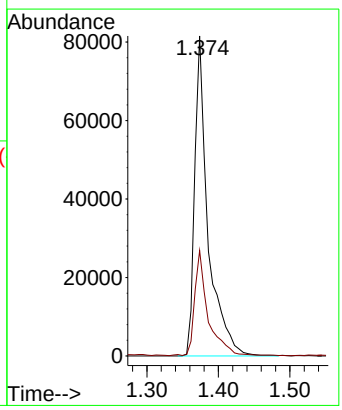


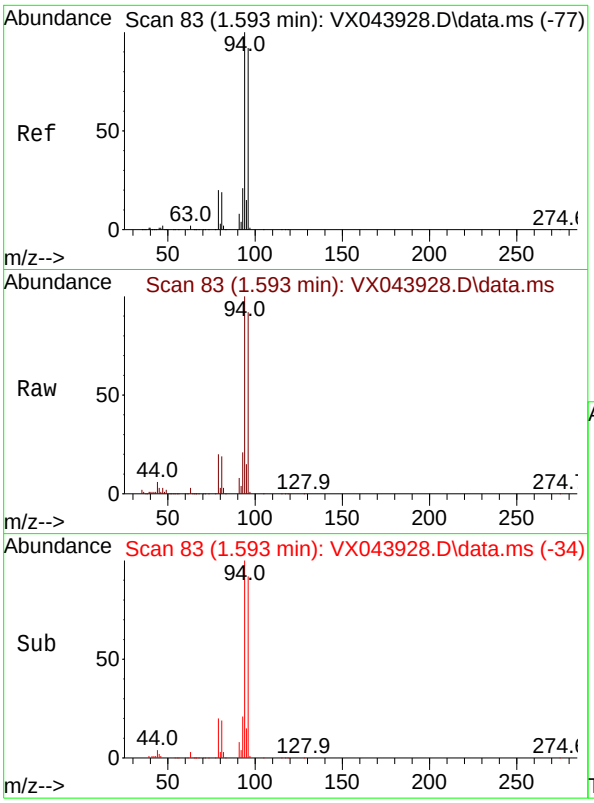


#4
Vinyl Chloride
Concen: 53.734 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 62 Resp: 105586

Ion	Ratio	Lower	Upper
62	100		
64	32.8	26.2	39.4



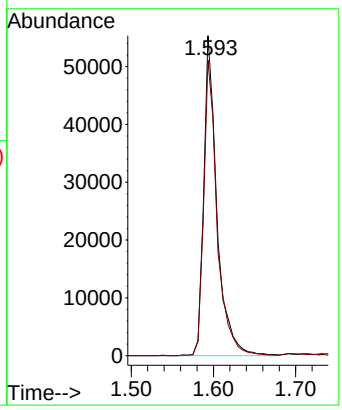


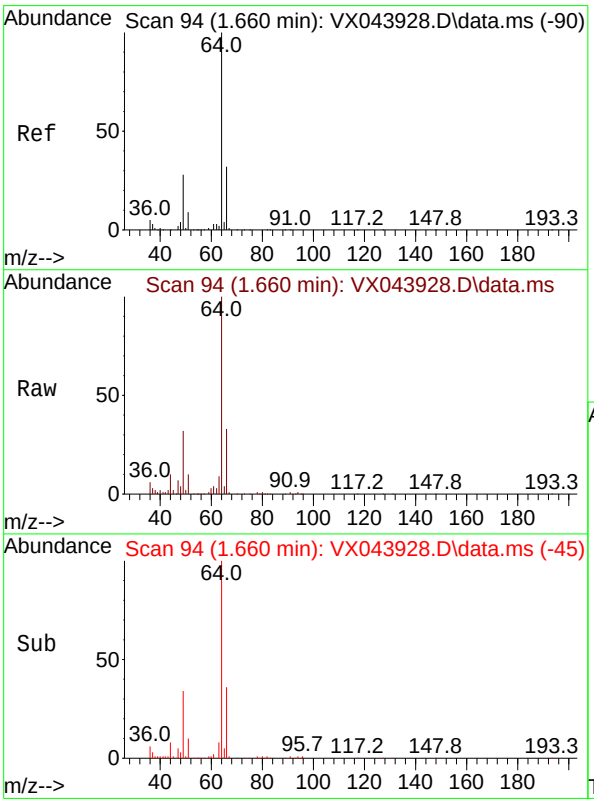
#5
Bromomethane
Concen: 51.065 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 61728

Ion	Ratio	Lower	Upper
94	100		
96	92.4	73.9	110.9

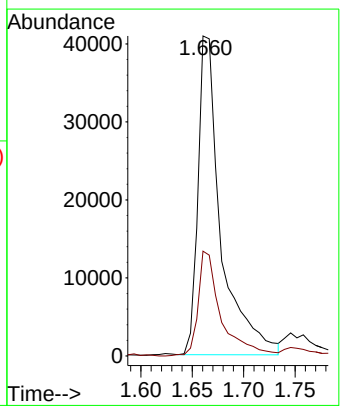


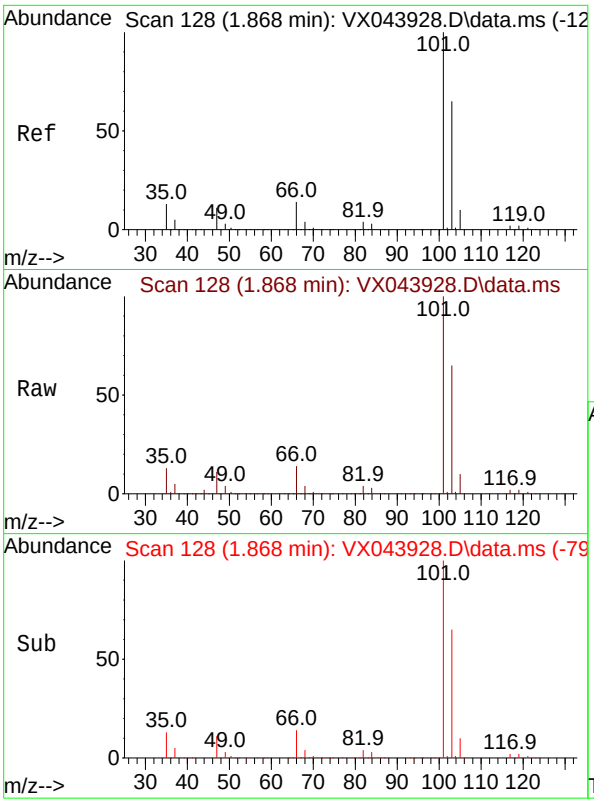


#6
Chloroethane
Concen: 53.102 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 64 Resp: 63580

Ion	Ratio	Lower	Upper
64	100		
66	32.4	25.9	38.9



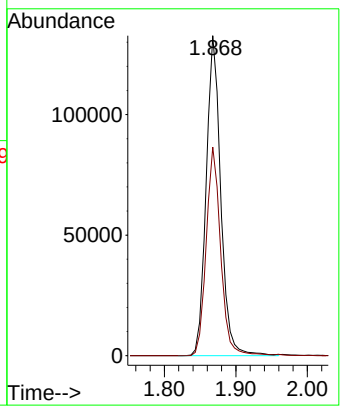


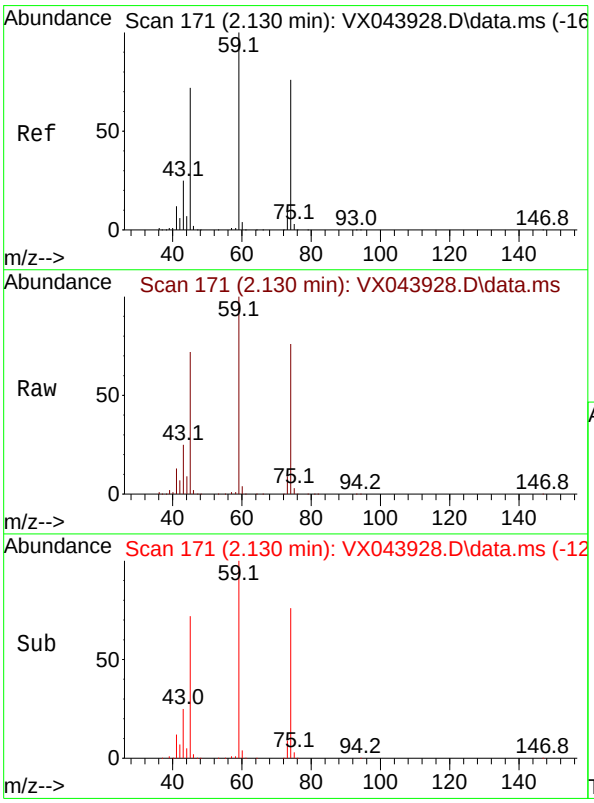
#7
Trichlorofluoromethane
Concen: 53.527 ug/l
RT: 1.868 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 188045

Ion	Ratio	Lower	Upper
101	100		
103	65.2	52.2	78.2

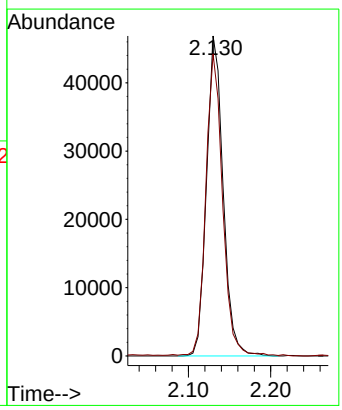


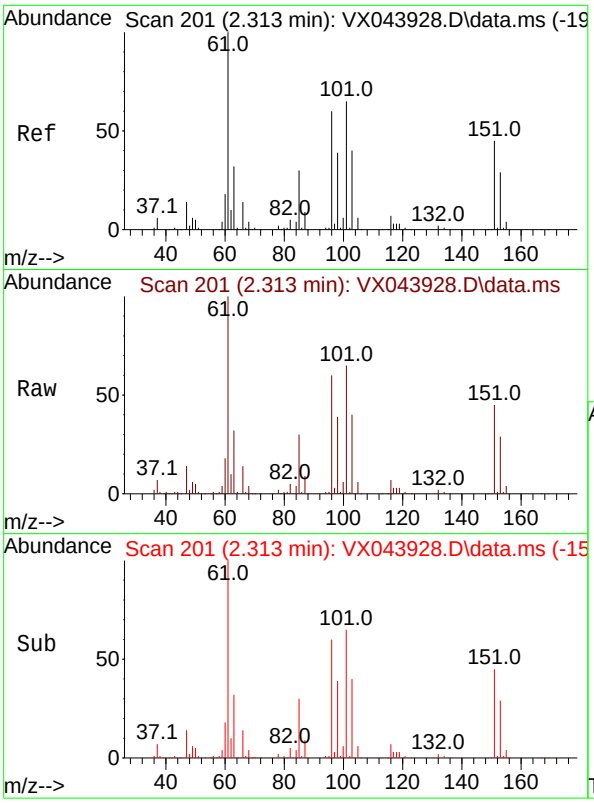


#8
Diethyl Ether
Concen: 51.283 ug/l
RT: 2.130 min Scan# 171
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 74 Resp: 65665

Ion	Ratio	Lower	Upper
74	100		
45	95.7	47.9	143.6



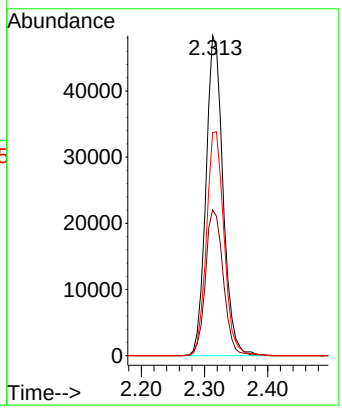


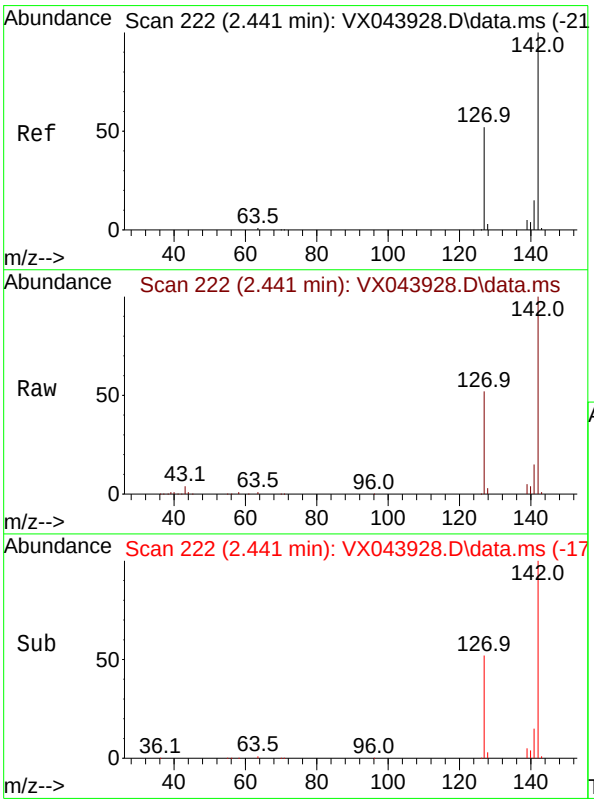
#9
1,1,2-Trichlorotrifluoroethane
Concen: 54.404 ug/l
RT: 2.313 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 91167

Ion	Ratio	Lower	Upper
101	100		
85	47.4	37.9	56.9
151	71.9	57.5	86.3

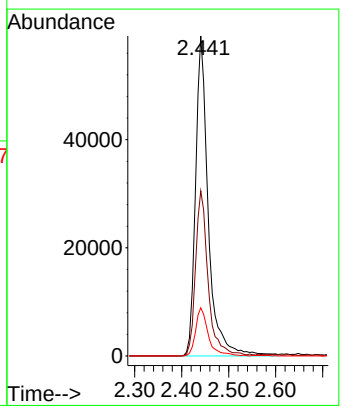


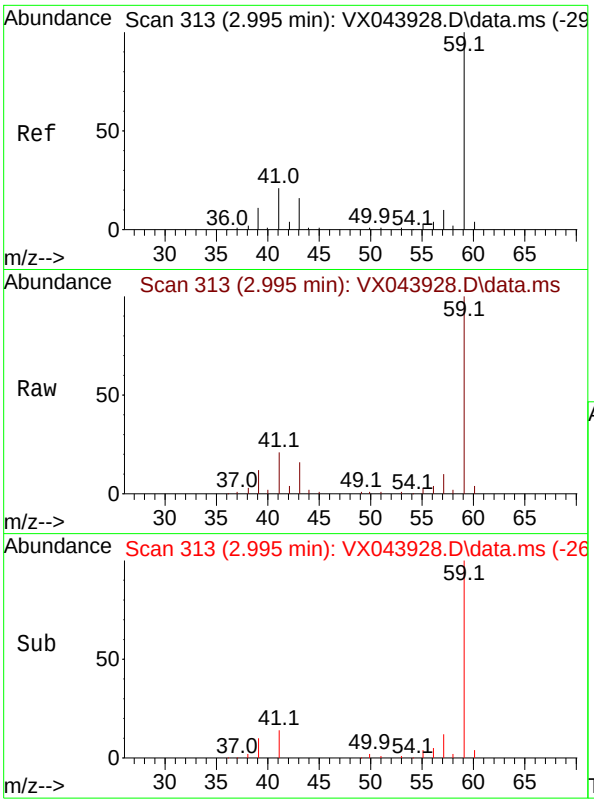


#10
Methyl Iodide
Concen: 53.554 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:142 Resp: 112083

Ion	Ratio	Lower	Upper
142	100		
127	50.9	40.7	61.1
141	15.0	12.0	18.0



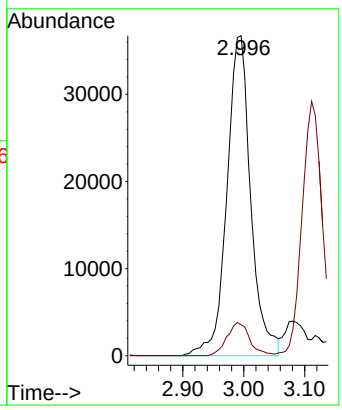


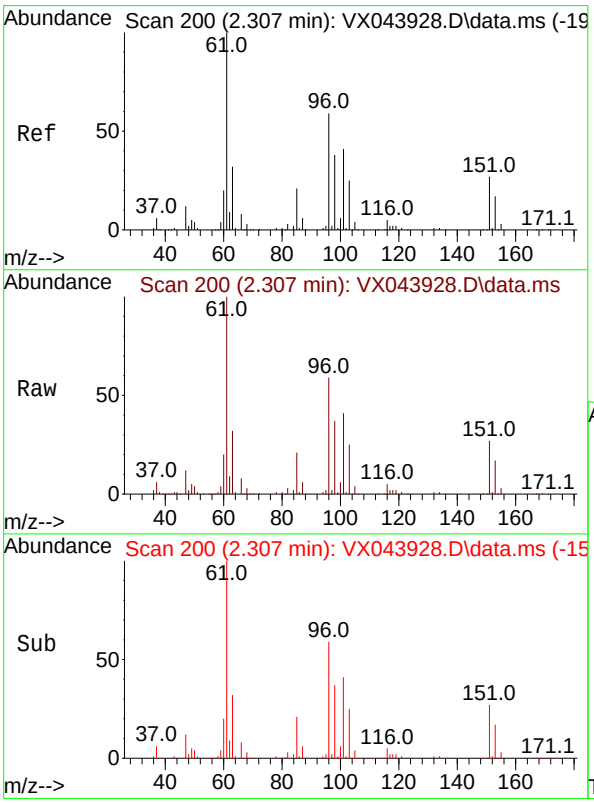
#11
Tert butyl alcohol
Concen: 262.460 ug/l
RT: 2.995 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 59 Resp: 100130

Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.9	11.9

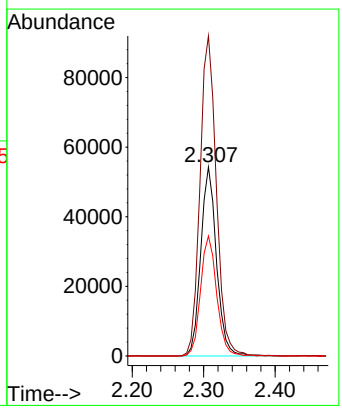


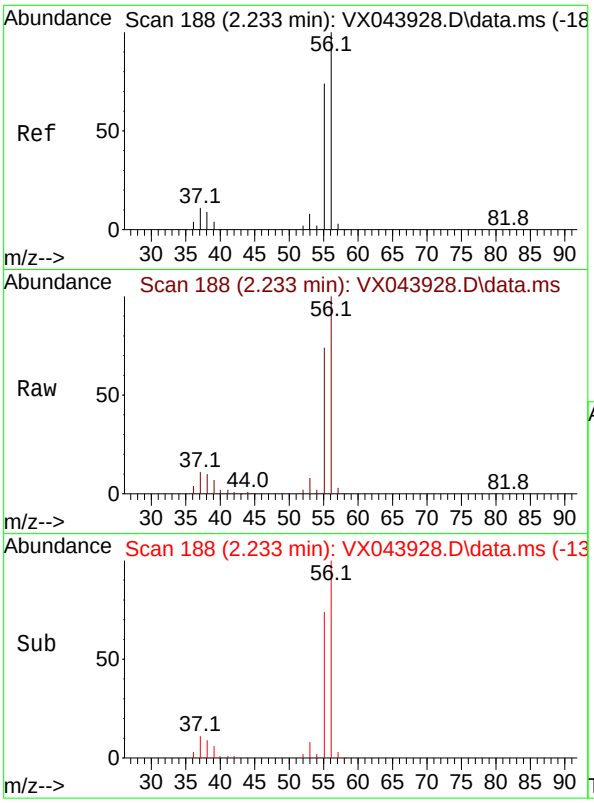


#12
1,1-Dichloroethene
Concen: 52.033 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 96 Resp: 83087

Ion	Ratio	Lower	Upper
96	100		
61	169.4	135.5	203.3
98	63.5	50.8	76.2



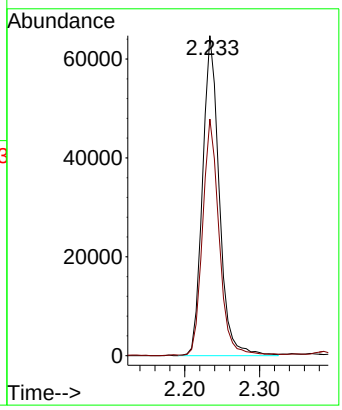


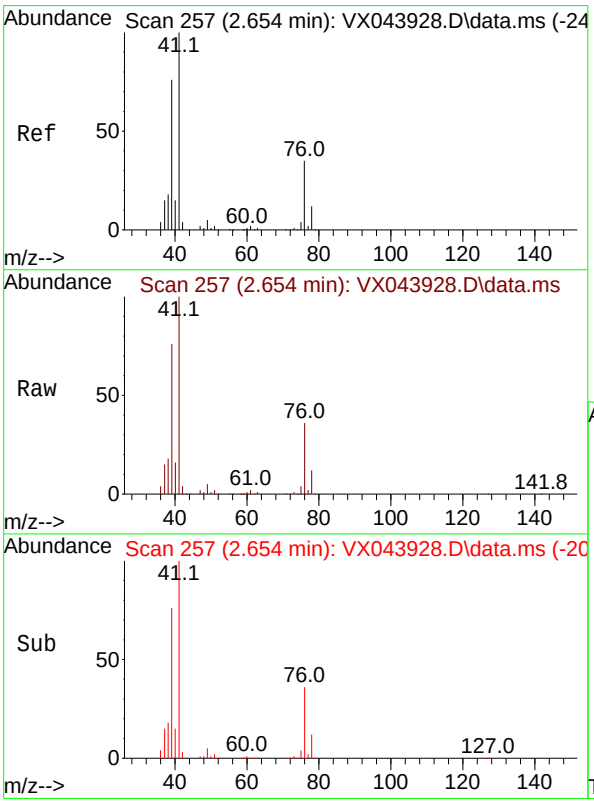
#13
Acrolein
Concen: 250.289 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 100647

Ion	Ratio	Lower	Upper
56	100		
55	72.7	58.2	87.2

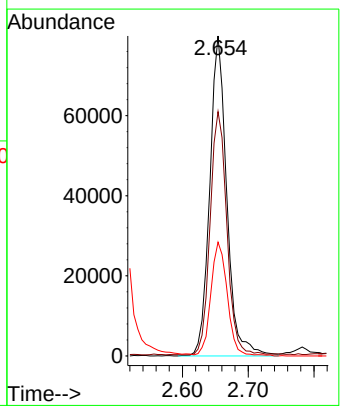


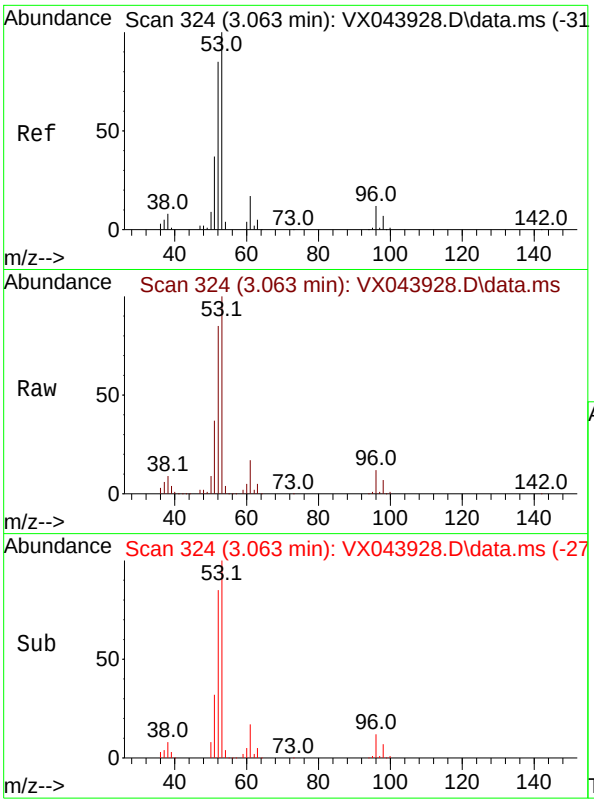


#14
Allyl chloride
Concen: 55.443 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 41 Resp: 144663

Ion	Ratio	Lower	Upper
41	100		
39	74.4	59.5	89.3
76	34.3	27.4	41.2



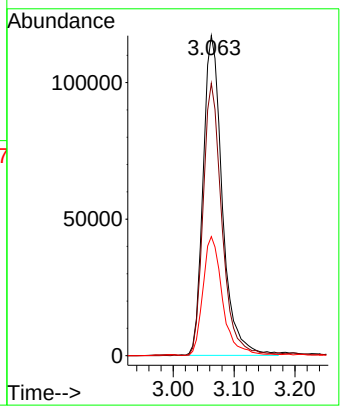


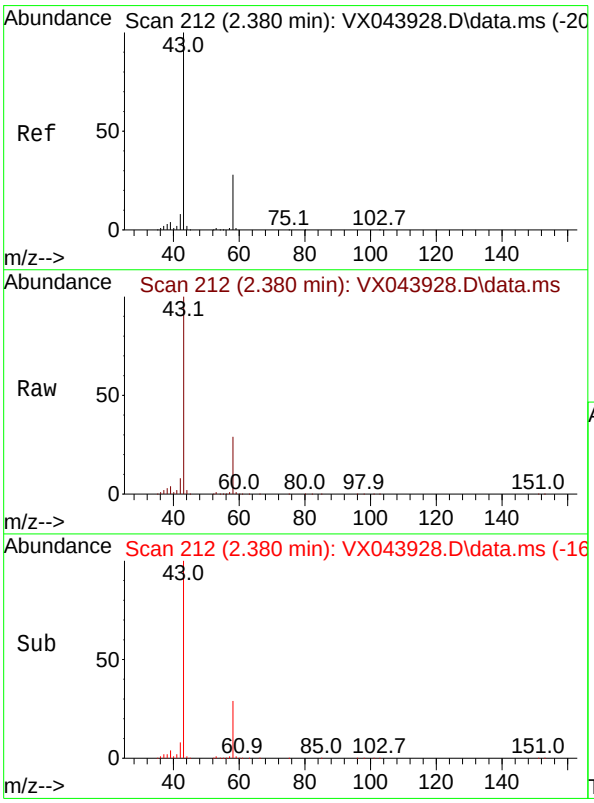
#15
Acrylonitrile
Concen: 275.887 ug/l
RT: 3.063 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 53 Resp: 256493

Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.5	99.7
51	37.8	30.2	45.4

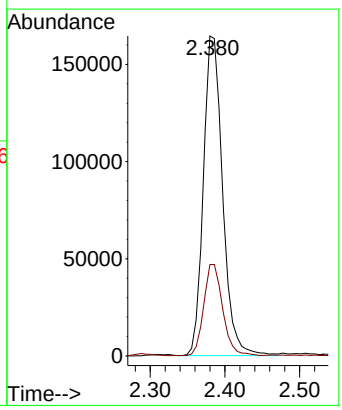


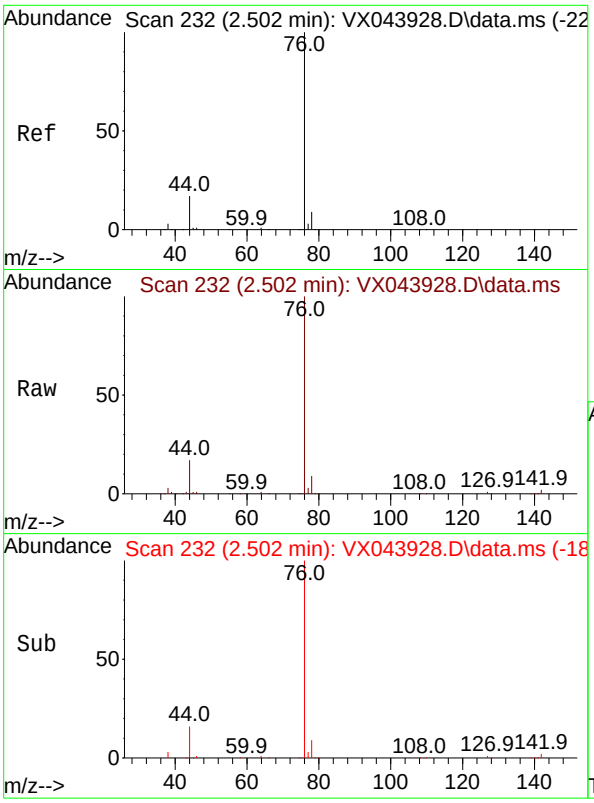


#16
Acetone
Concen: 269.872 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 43 Resp: 294611

Ion	Ratio	Lower	Upper
43	100		
58	28.4	22.7	34.1



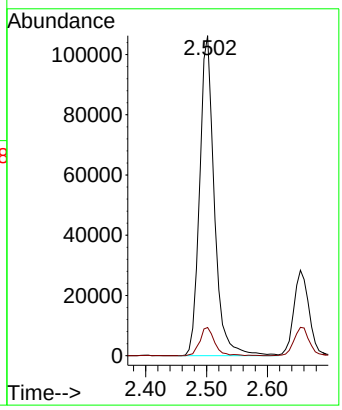


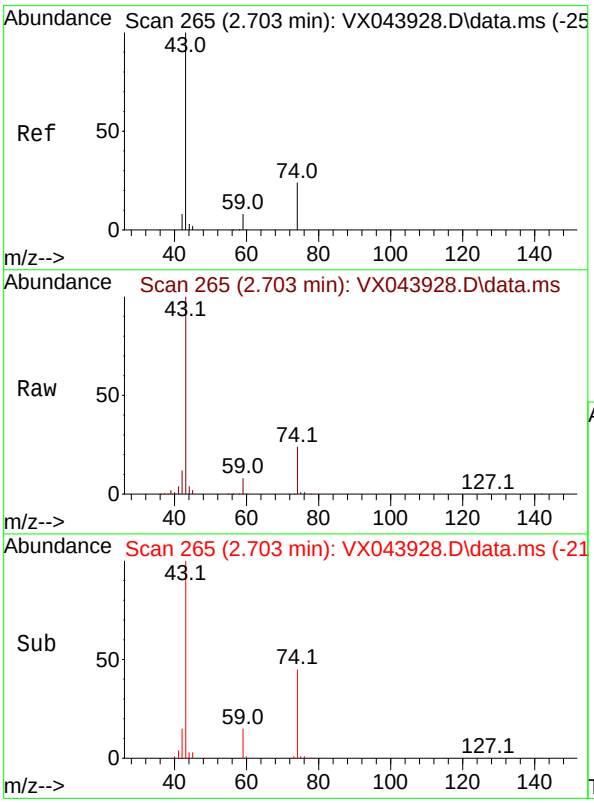
#17
Carbon Disulfide
Concen: 54.130 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 178294

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.6

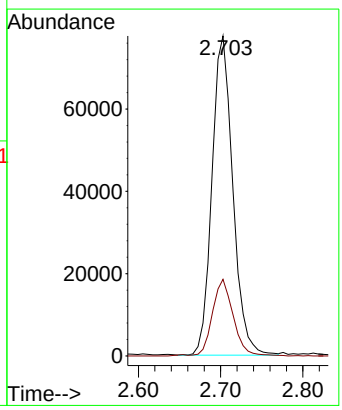


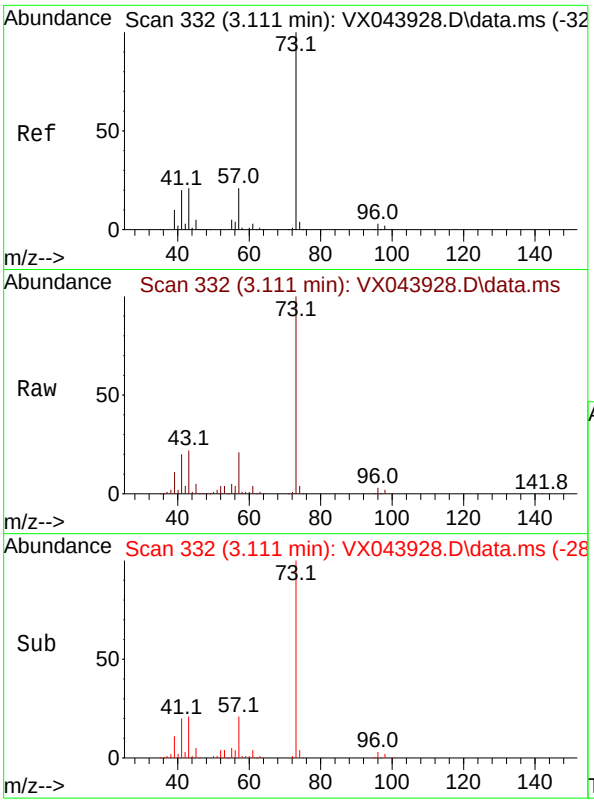


#18
Methyl Acetate
Concen: 53.785 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 43 Resp: 136735

Ion	Ratio	Lower	Upper
43	100		
74	23.6	18.9	28.3



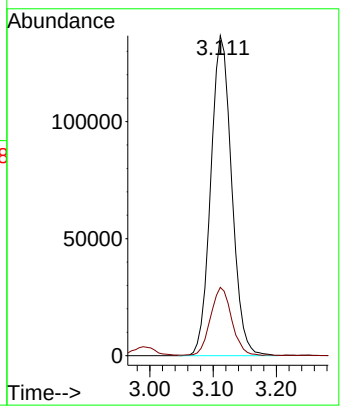


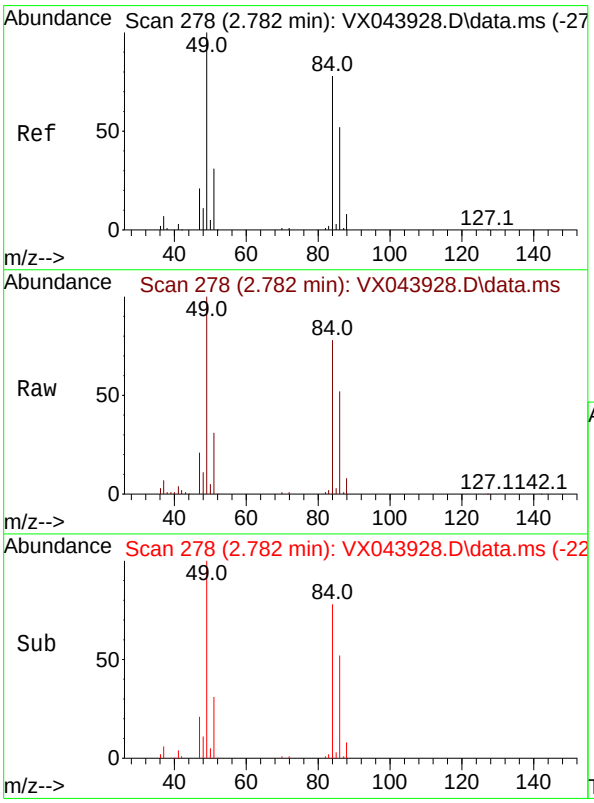
#19
Methyl tert-butyl Ether
Concen: 54.114 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 313754

Ion	Ratio	Lower	Upper
73	100		
57	21.3	17.0	25.6

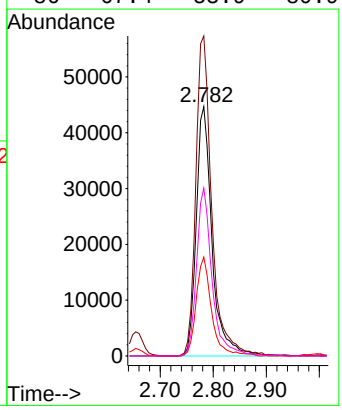


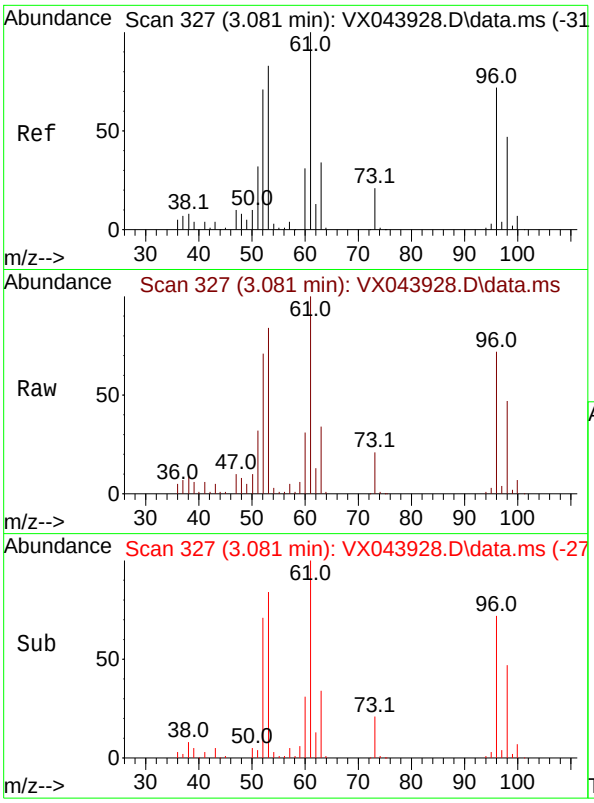


#20
Methylene Chloride
Concen: 49.918 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 84 Resp: 92475

Ion	Ratio	Lower	Upper
84	100		
49	128.4	102.7	154.1
51	39.6	31.7	47.5
86	67.4	53.9	80.9



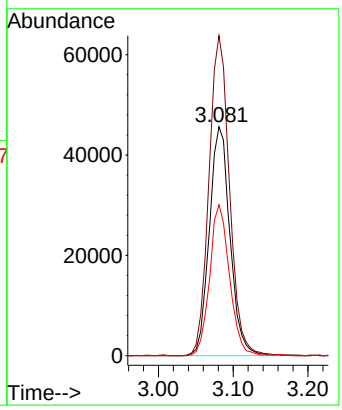


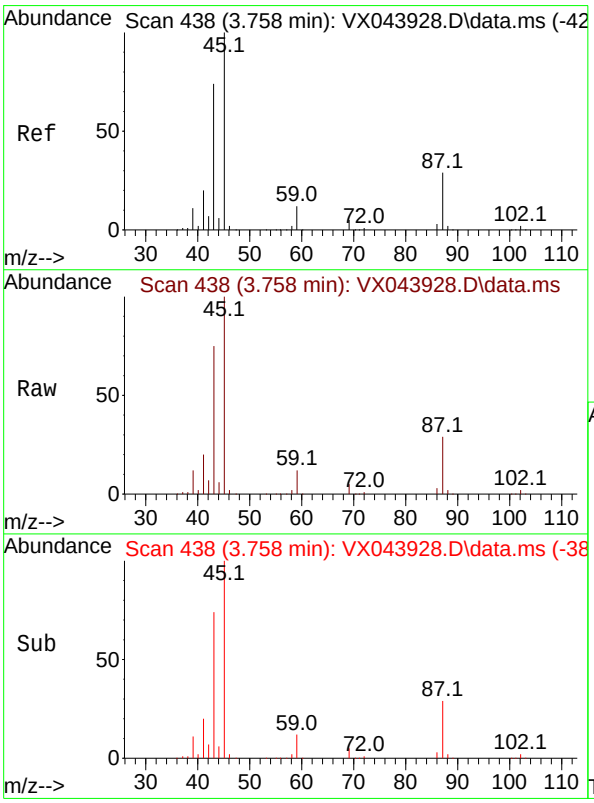
#21
trans-1,2-Dichloroethene
Concen: 53.227 ug/l
RT: 3.081 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 87752

Ion	Ratio	Lower	Upper
96	100		
61	139.7	111.8	167.6
98	65.9	52.7	79.1

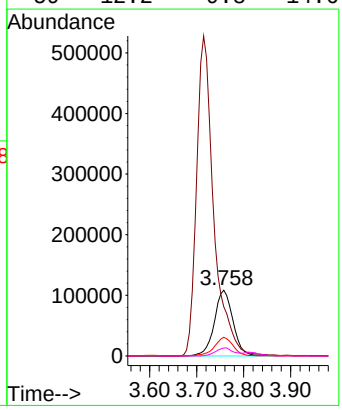


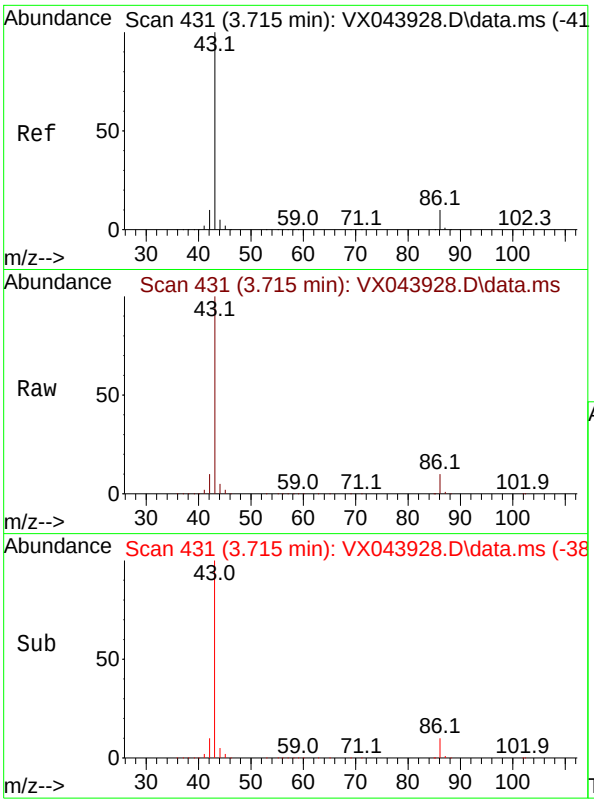


#22
Diisopropyl ether
Concen: 53.704 ug/l
RT: 3.758 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 45 Resp: 299631

Ion	Ratio	Lower	Upper
45	100		
43	74.5	59.6	89.4
87	28.6	22.9	34.3
59	12.2	9.8	14.6



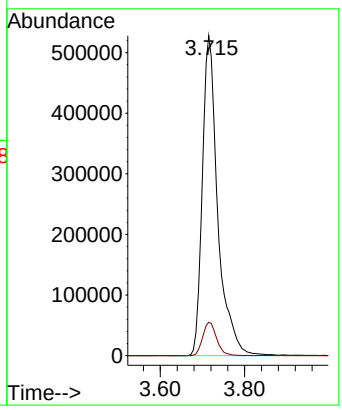


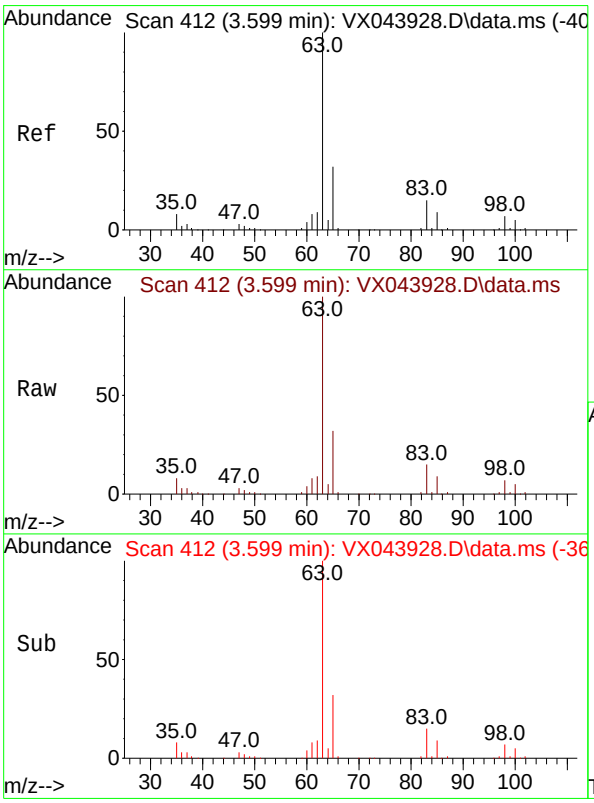
#23
Vinyl Acetate
Concen: 281.781 ug/l
RT: 3.715 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 1344870

Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.3	12.5

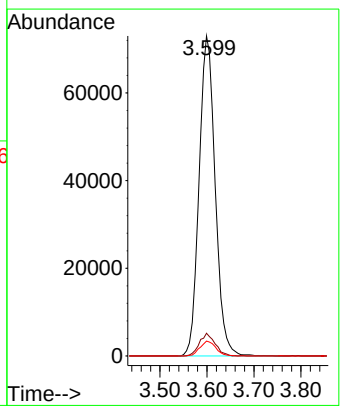


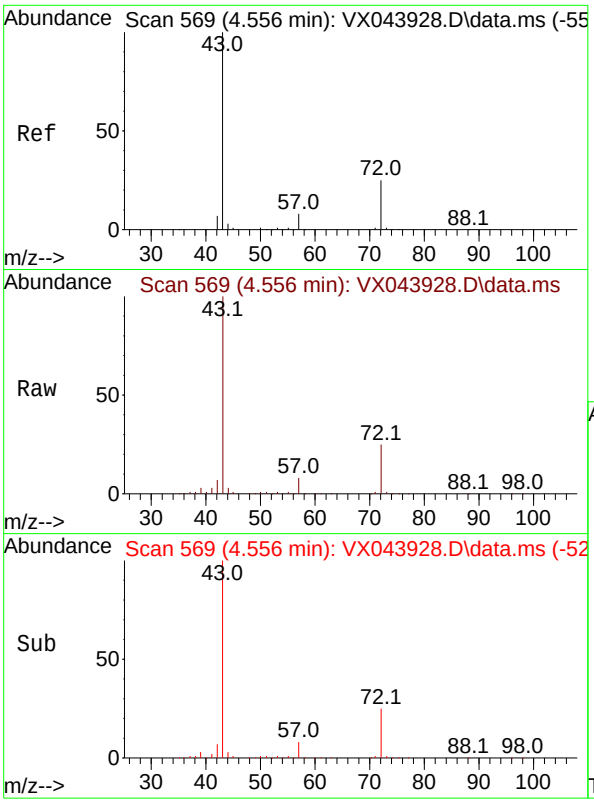


#24
1,1-Dichloroethane
Concen: 54.063 ug/l
RT: 3.599 min Scan# 412
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 63 Resp: 174008

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.5	10.6
100	4.7	2.4	7.1



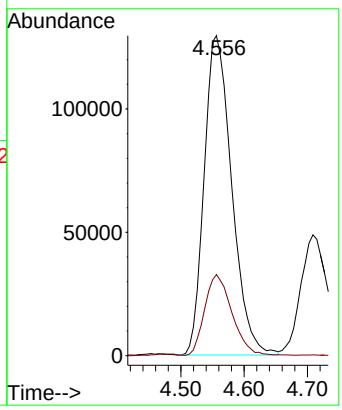


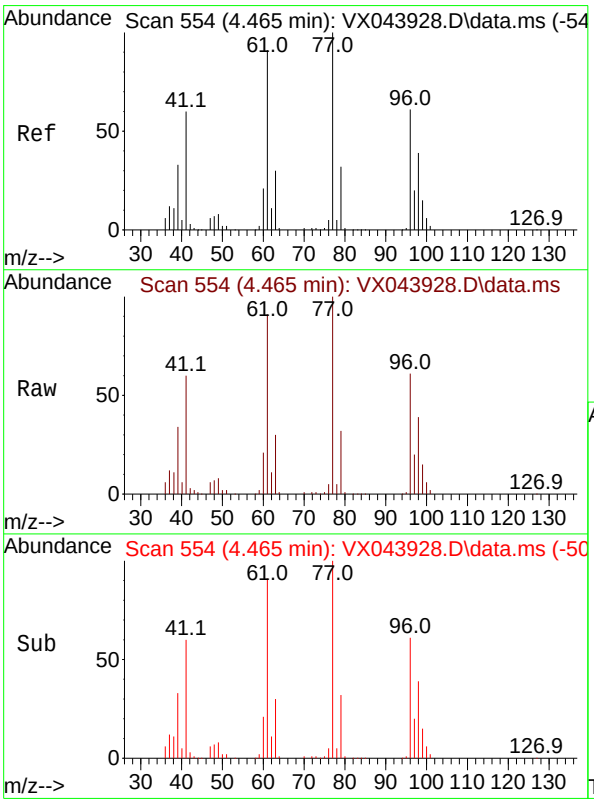
#25
2-Butanone
Concen: 278.700 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 392575

Ion	Ratio	Lower	Upper
43	100		
72	25.2	20.2	30.2

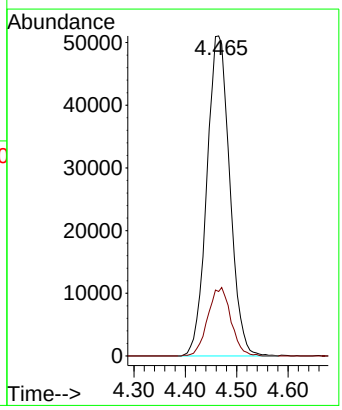


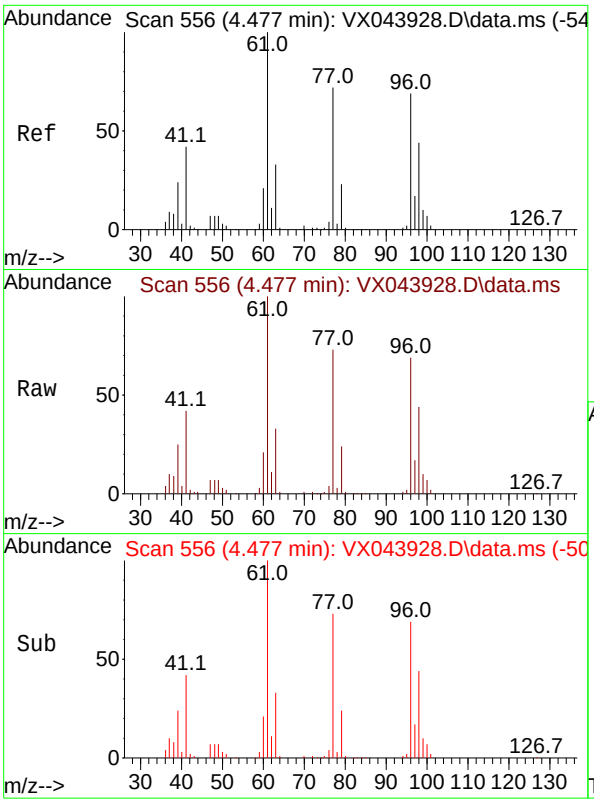


#26
2,2-Dichloropropane
Concen: 54.407 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 77 Resp: 158151

Ion	Ratio	Lower	Upper
77	100		
97	21.5	10.8	32.3



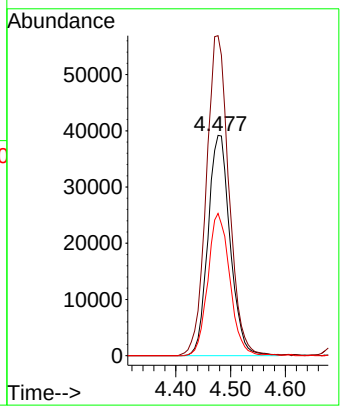


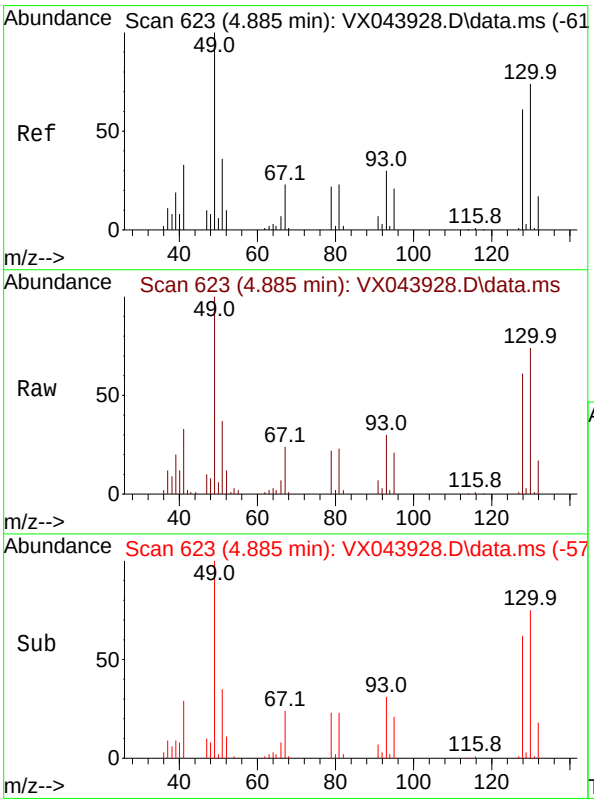
#27
cis-1,2-Dichloroethene
Concen: 53.852 ug/l
RT: 4.477 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 109742

Ion	Ratio	Lower	Upper
96	100		
61	148.7	0.0	297.4
98	63.9	0.0	127.8

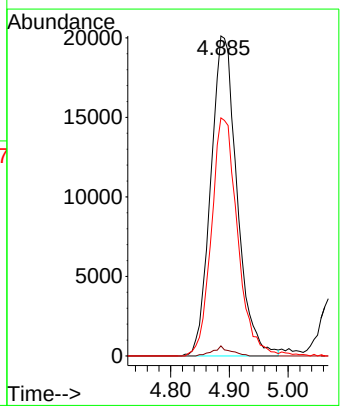


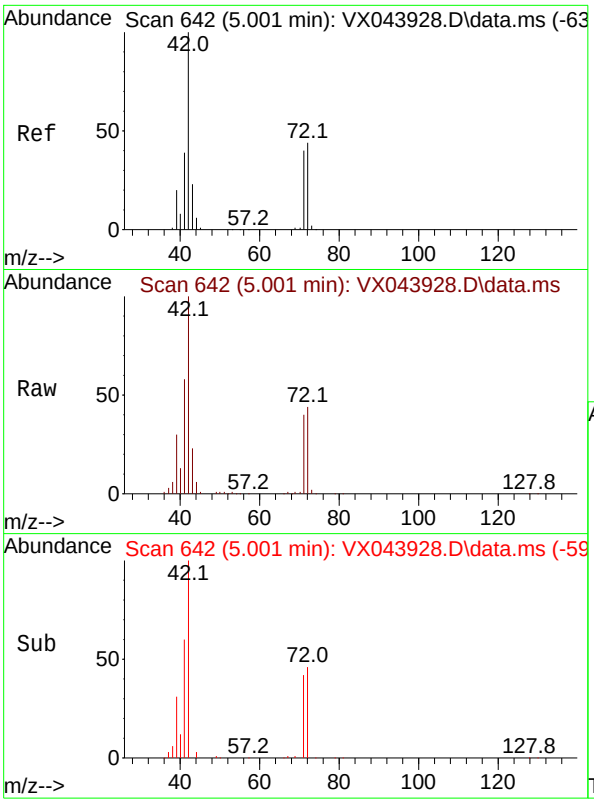


#28
Bromochloromethane
Concen: 44.034 ug/l
RT: 4.885 min Scan# 623
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 49 Resp: 62386

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	73.8	59.0	88.6



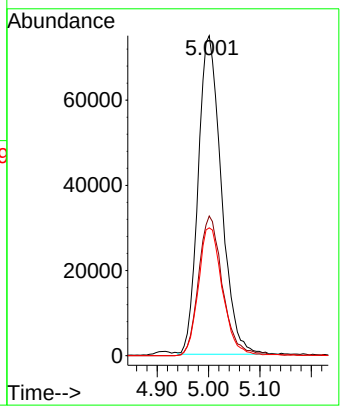


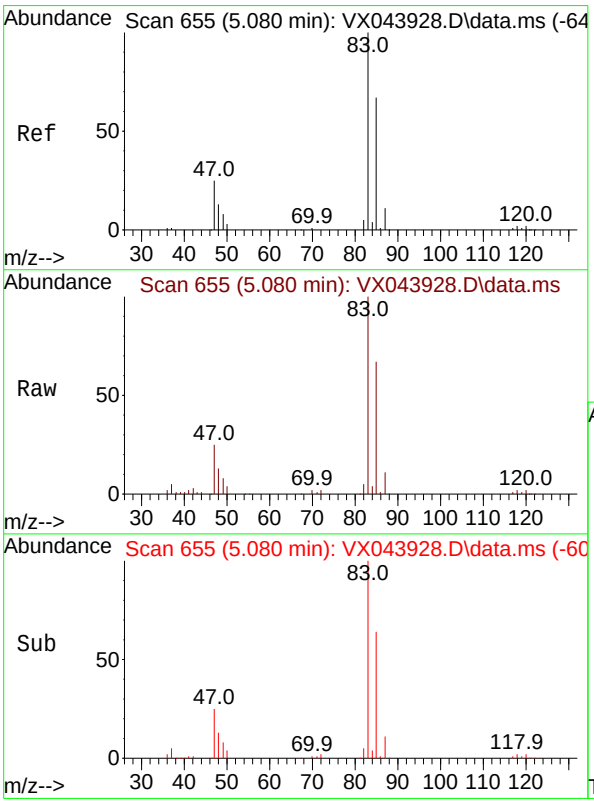
#29
Tetrahydrofuran
Concen: 271.213 ug/l
RT: 5.001 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 42 Resp: 234208

Ion	Ratio	Lower	Upper
42	100		
72	45.5	36.4	54.6
71	41.7	33.4	50.0

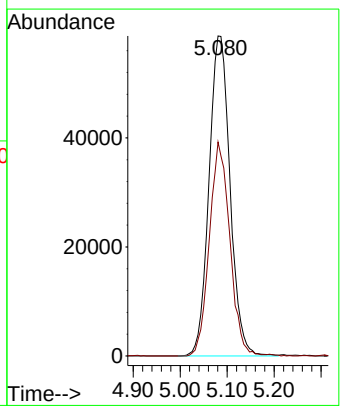


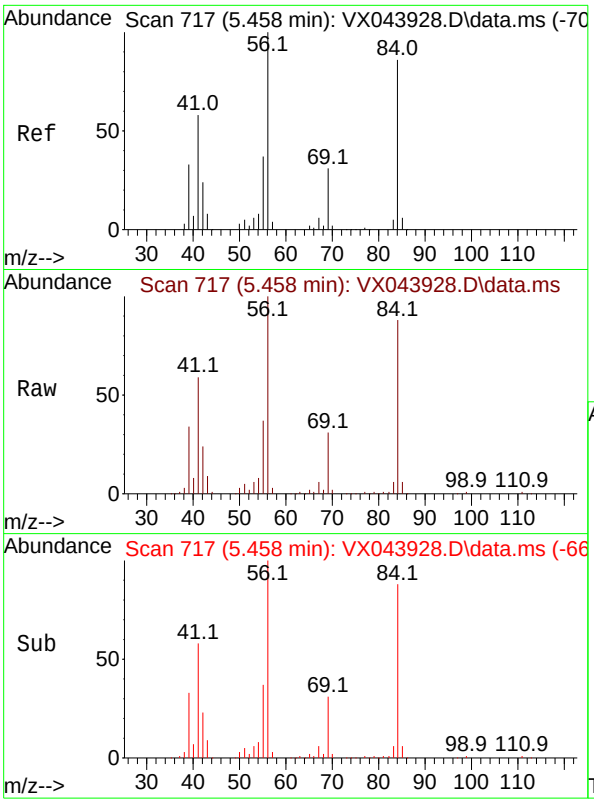


#30
Chloroform
Concen: 52.691 ug/l
RT: 5.080 min Scan# 655
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 83 Resp: 182404

Ion	Ratio	Lower	Upper
83	100		
85	66.9	53.5	80.3



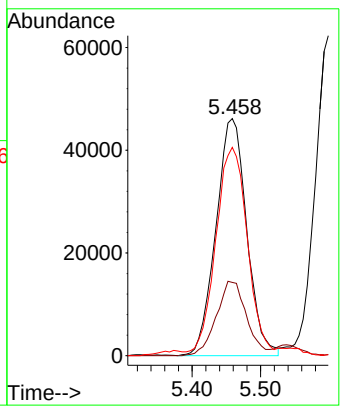


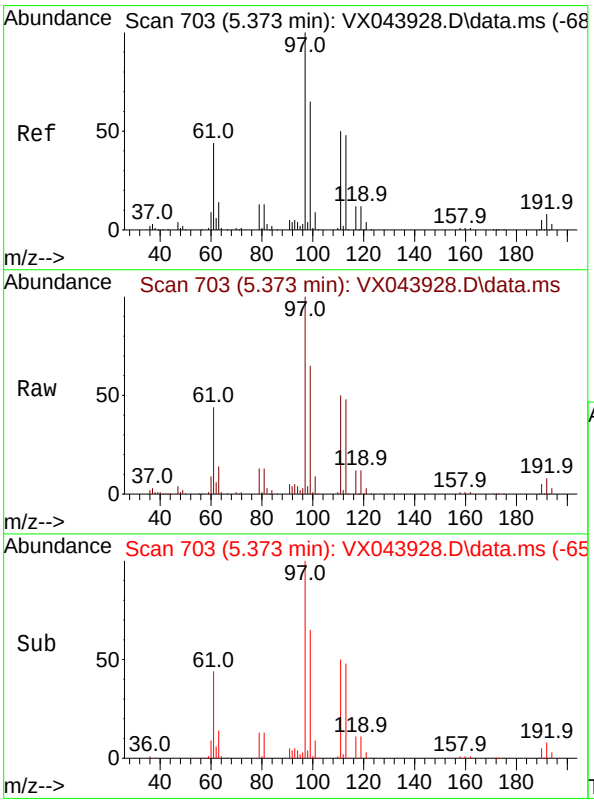
#31
Cyclohexane
Concen: 54.443 ug/l
RT: 5.458 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 144224

Ion	Ratio	Lower	Upper
56	100		
69	30.9	24.7	37.1
84	85.9	68.7	103.1

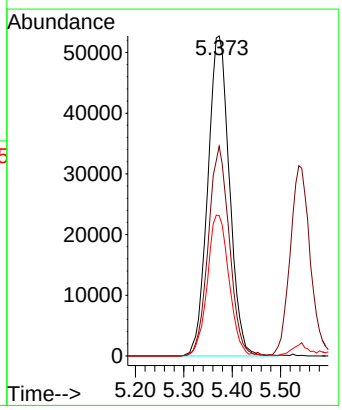


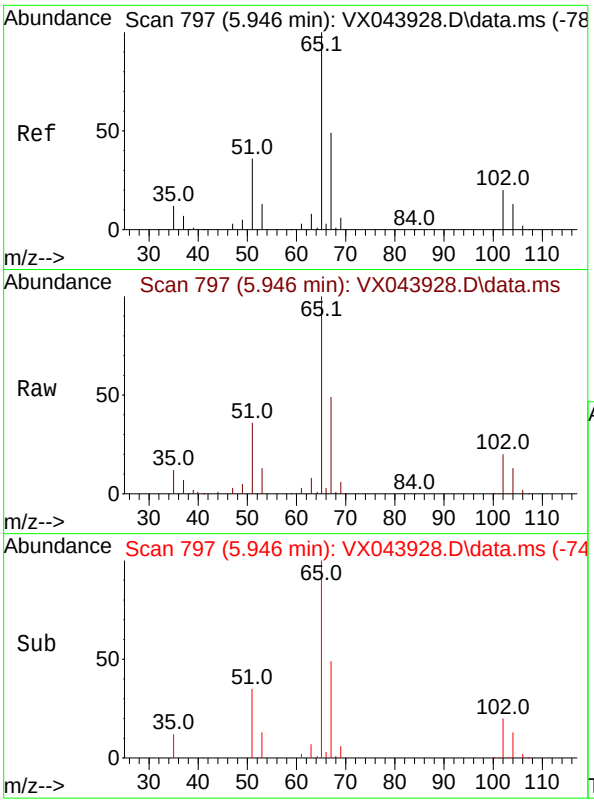


#32
1,1,1-Trichloroethane
Concen: 54.944 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 97 Resp: 164023

Ion	Ratio	Lower	Upper
97	100		
99	63.5	50.8	76.2
61	44.3	35.4	53.2



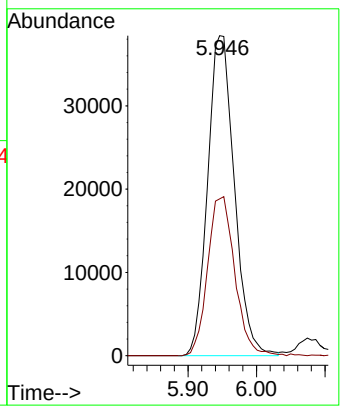


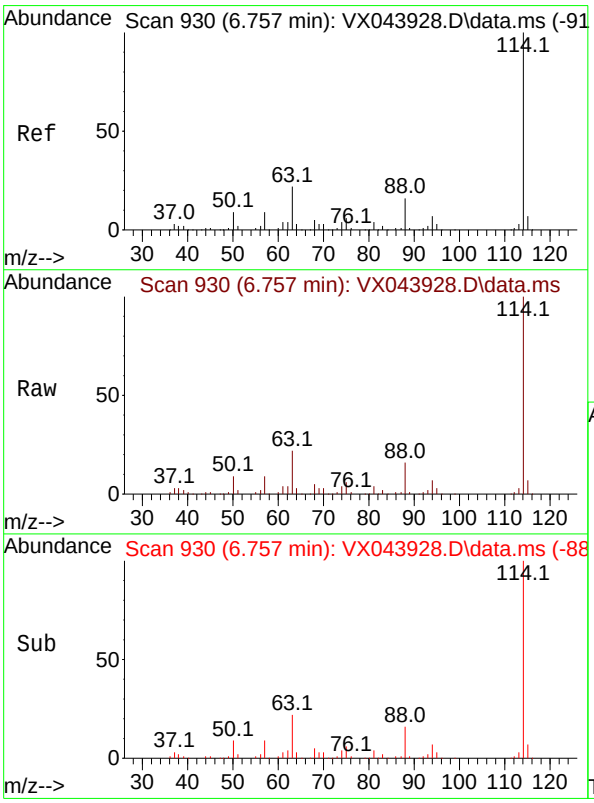
#33
1,2-Dichloroethane-d4
Concen: 43.792 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 65 Resp: 104086

Ion	Ratio	Lower	Upper
65	100		
67	50.4	0.0	100.8

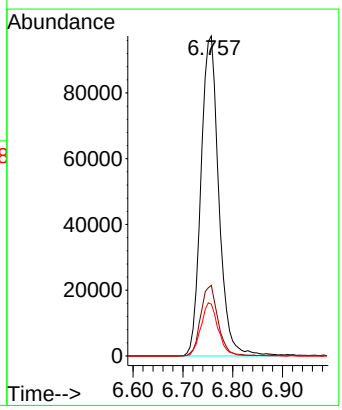


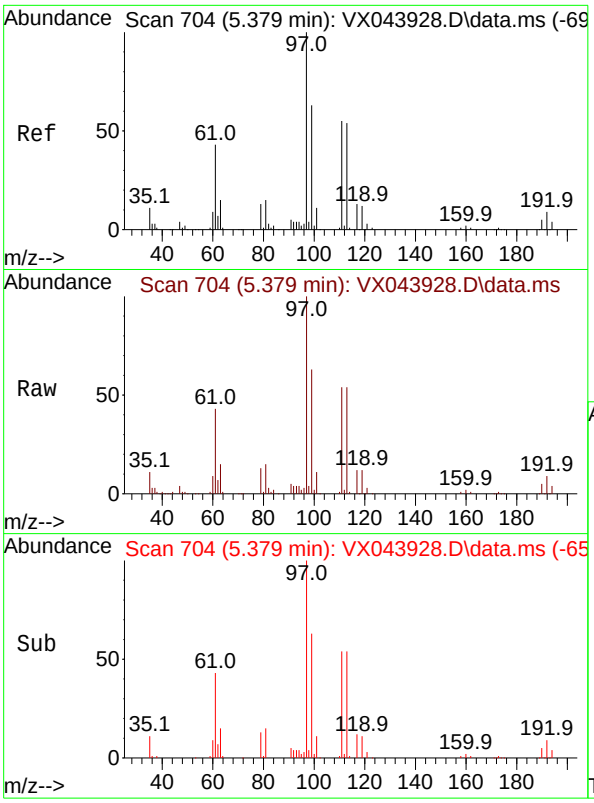


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:114 Resp: 241629

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	44.0
88	16.2	0.0	32.4



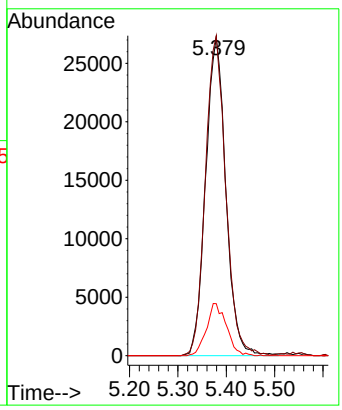


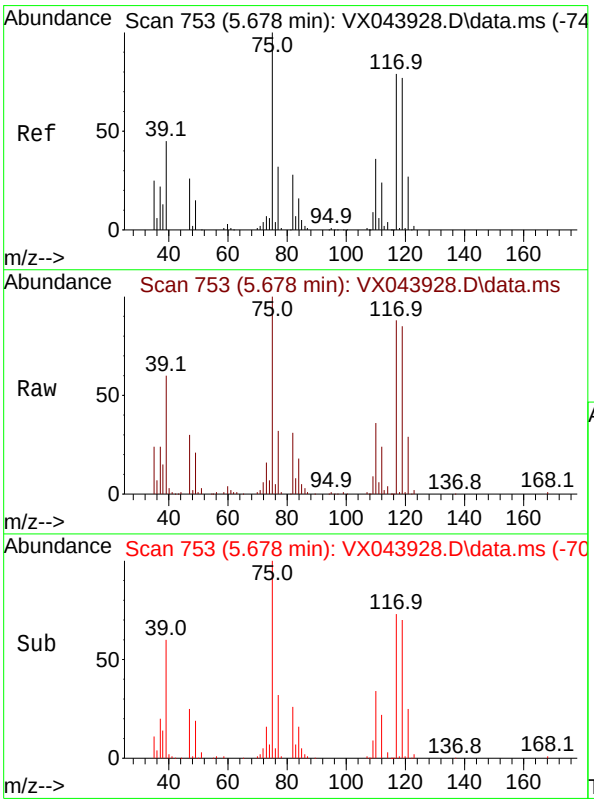
#35
Dibromofluoromethane
Concen: 45.729 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:113 Resp: 78954

Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.0	121.4
192	16.3	13.0	19.6

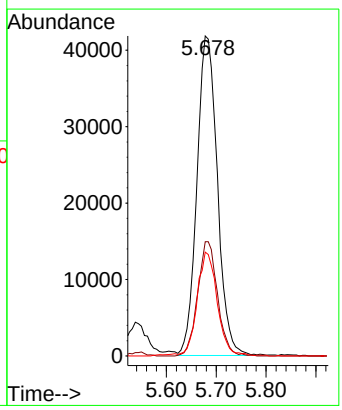


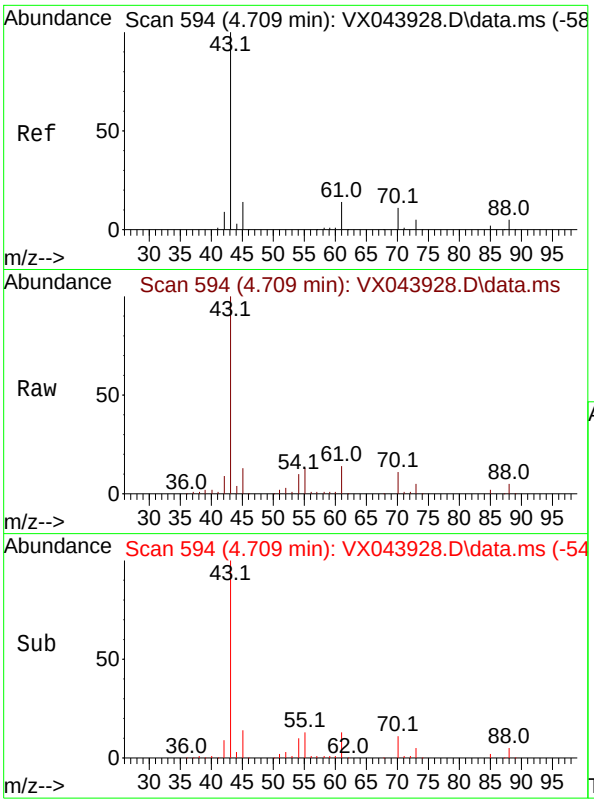


#36
1,1-Dichloropropene
Concen: 55.435 ug/l
RT: 5.678 min Scan# 753
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 75 Resp: 119269

Ion	Ratio	Lower	Upper
75	100		
110	34.8	17.4	52.2
77	32.3	25.8	38.8



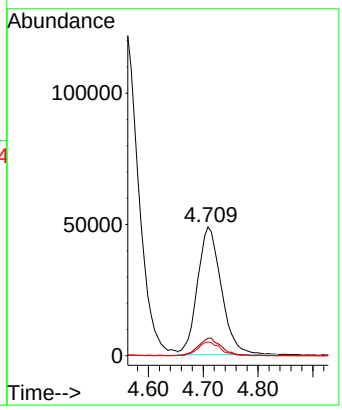


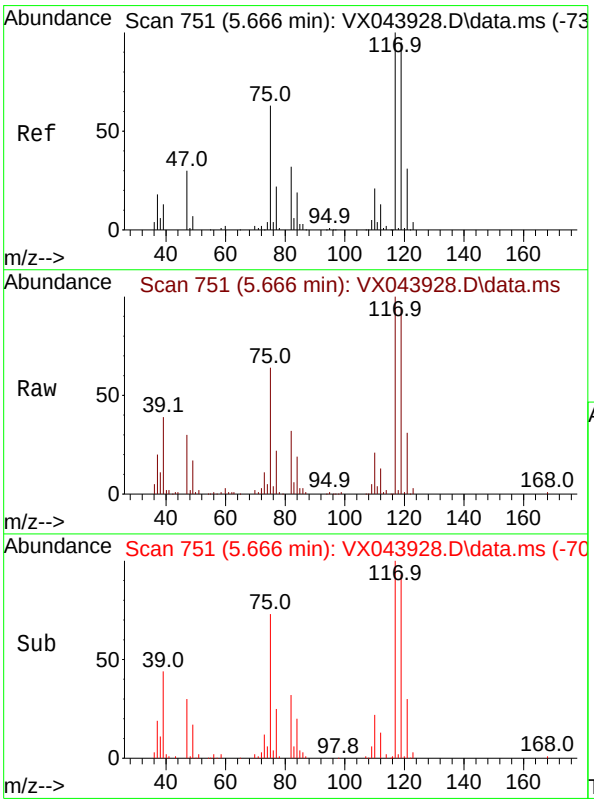
#37
Ethyl Acetate
Concen: 55.189 ug/l
RT: 4.709 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 147393

Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.7	16.1
70	10.0	8.0	12.0

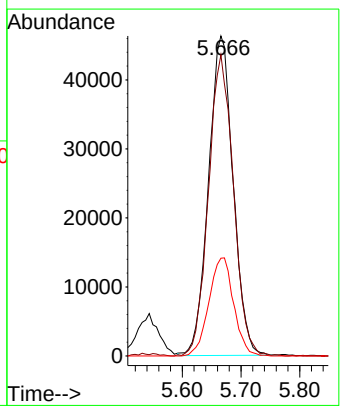


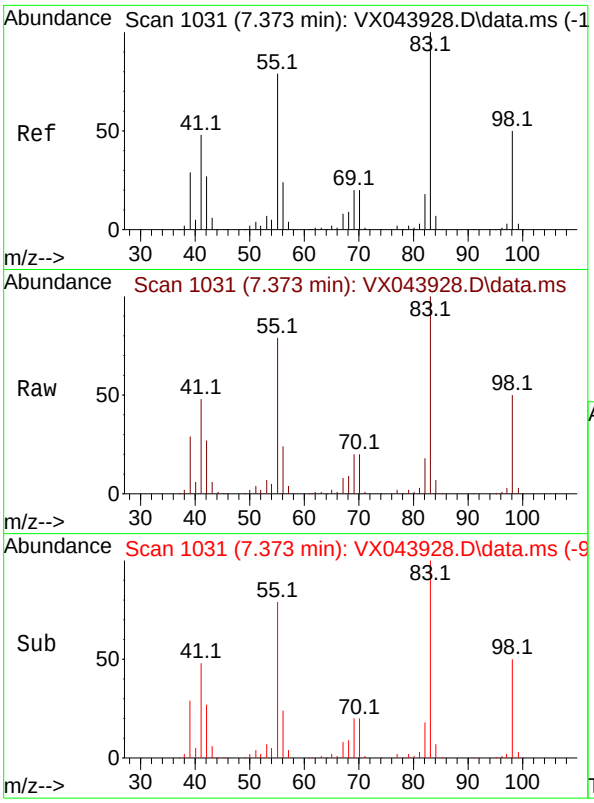


#38
Carbon Tetrachloride
Concen: 55.729 ug/l
RT: 5.666 min Scan# 751
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:117 Resp: 134725

Ion	Ratio	Lower	Upper
117	100		
119	94.0	75.2	112.8
121	30.6	24.5	36.7



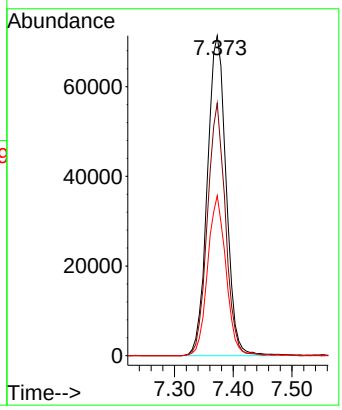


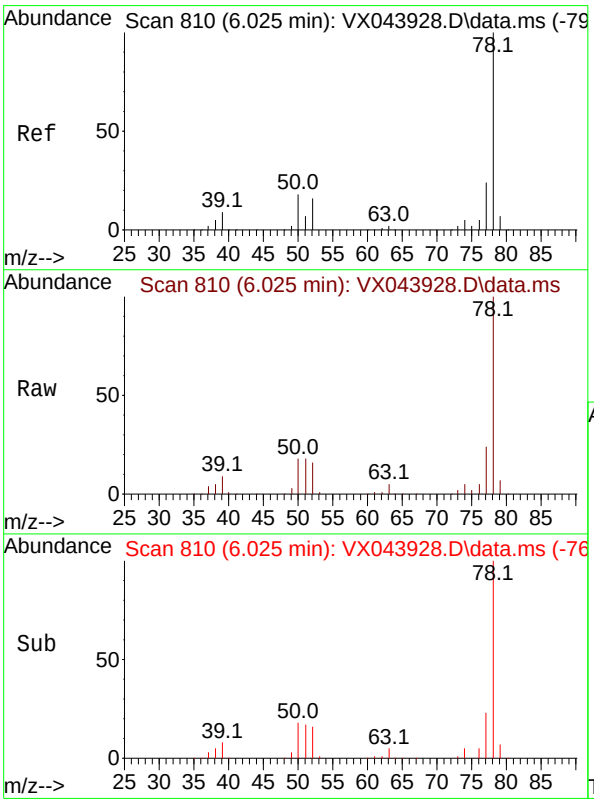
#39
Methylcyclohexane
Concen: 56.738 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 158586

Ion	Ratio	Lower	Upper
83	100		
55	78.9	63.1	94.7
98	50.0	40.0	60.0

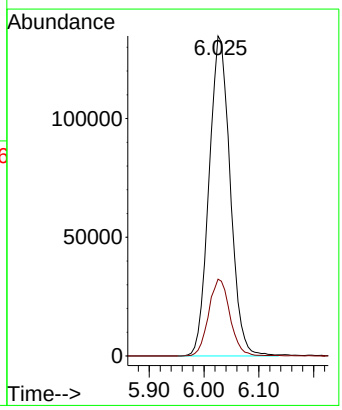


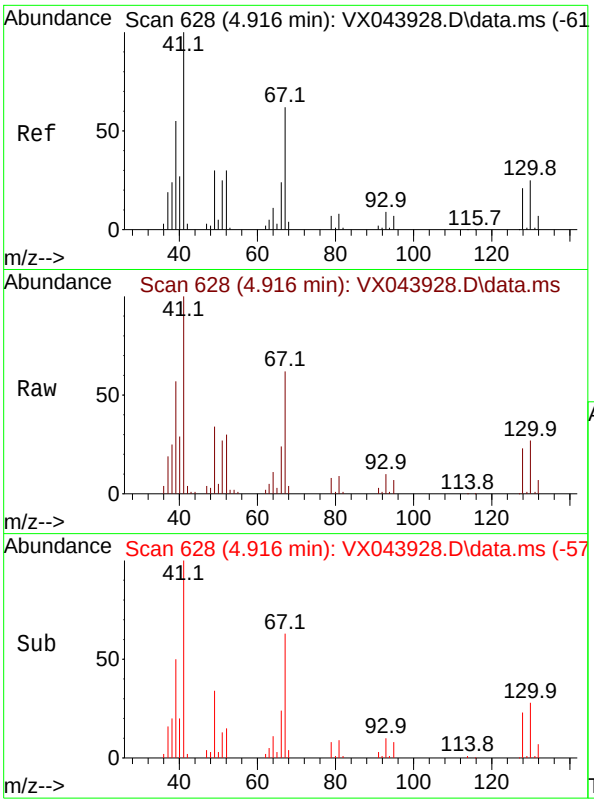


#40
Benzene
Concen: 53.863 ug/l
RT: 6.025 min Scan# 810
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 78 Resp: 360978

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.2	28.8



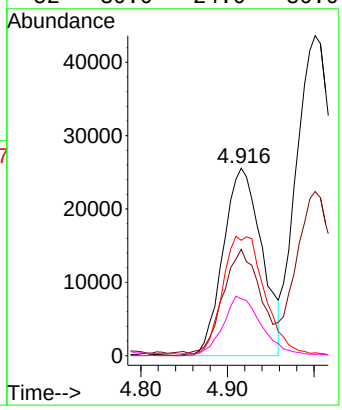


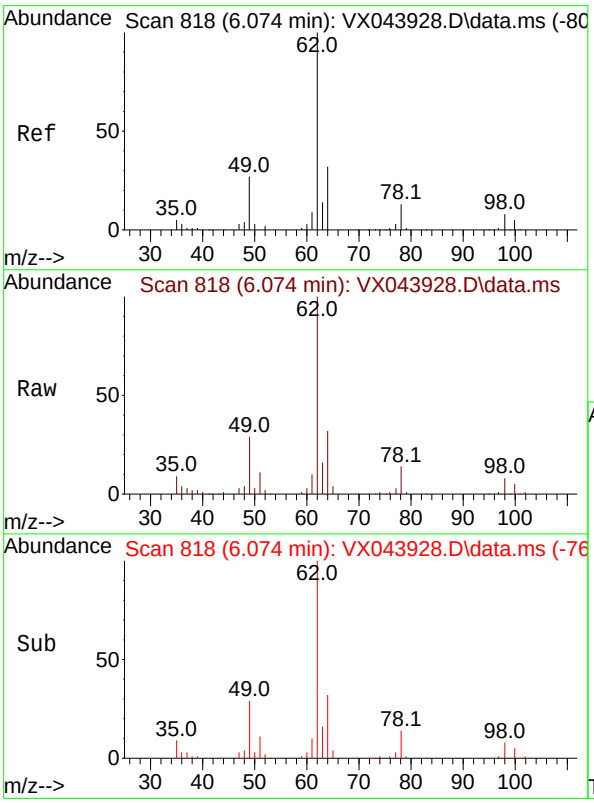
#41
Methacrylonitrile
Concen: 58.165 ug/l
RT: 4.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 79507

Ion	Ratio	Lower	Upper
41	100		
39	52.1	41.7	62.5
67	69.8	55.8	83.8
52	30.0	24.0	36.0

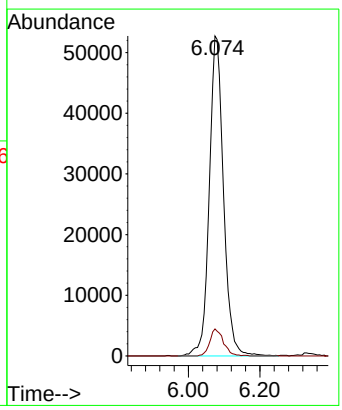


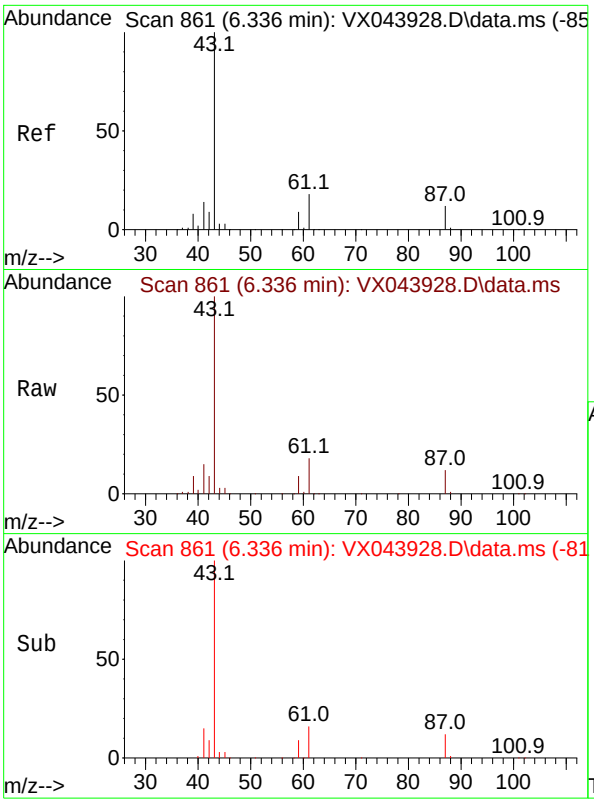


#42
1,2-Dichloroethane
Concen: 54.125 ug/l
RT: 6.074 min Scan# 818
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 62 Resp: 145681

Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.4



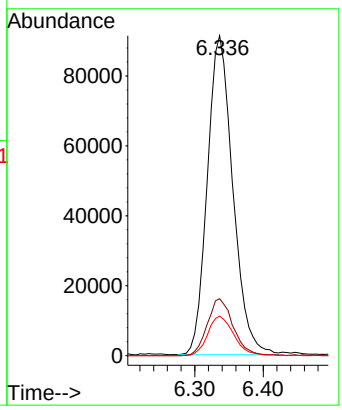


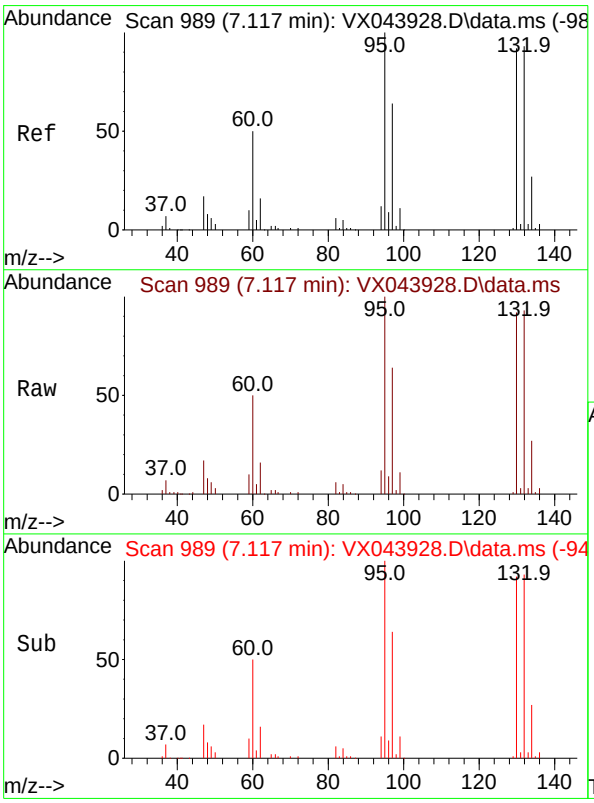
#43
Isopropyl Acetate
Concen: 55.492 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 235856

Ion	Ratio	Lower	Upper
43	100		
61	18.1	14.5	21.7
87	12.7	10.2	15.2

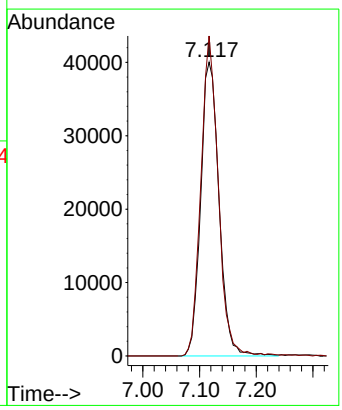


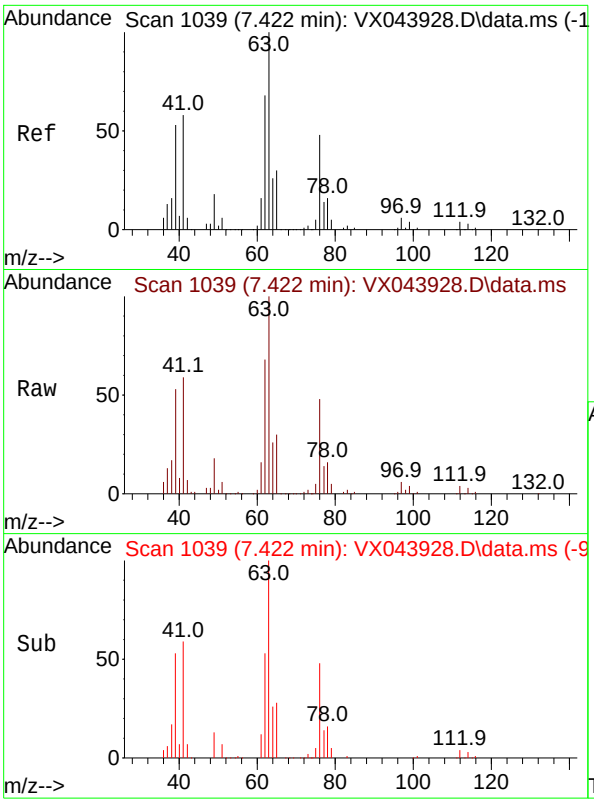


#44
Trichloroethene
Concen: 47.447 ug/l
RT: 7.117 min Scan# 989
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:130 Resp: 90015

Ion	Ratio	Lower	Upper
130	100		
95	108.9	0.0	217.8



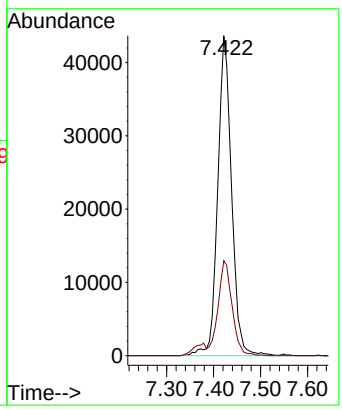


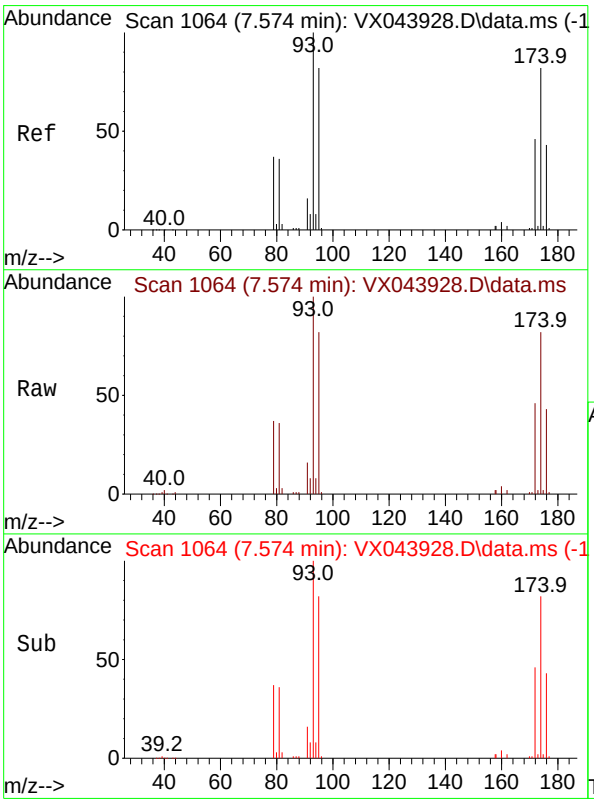
#45
1,2-Dichloropropane
Concen: 54.543 ug/l
RT: 7.422 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 63 Resp: 89529

Ion	Ratio	Lower	Upper
63	100		
65	29.7	23.8	35.6

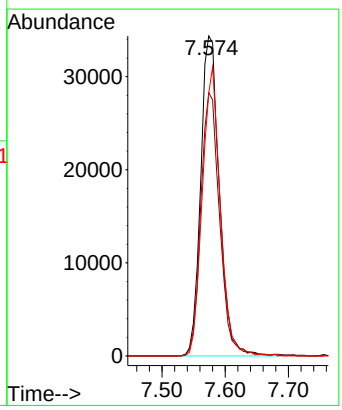


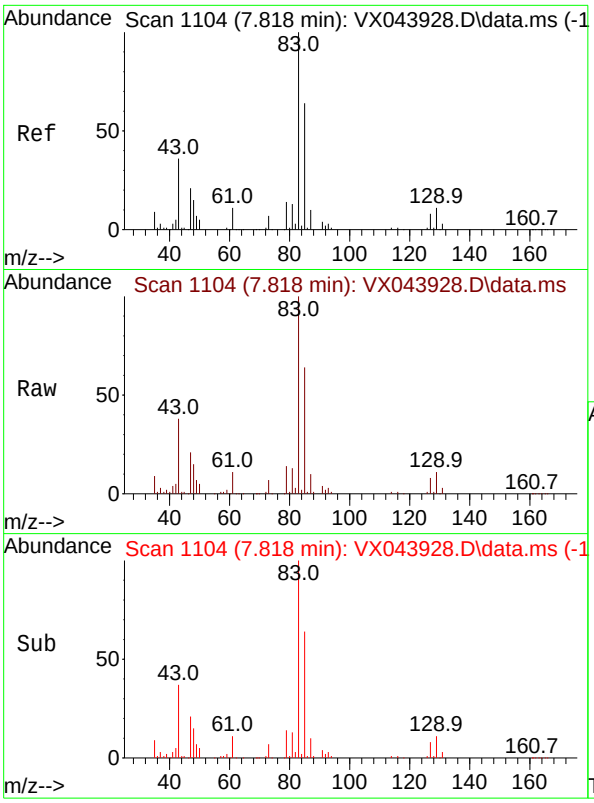


#46
Dibromomethane
Concen: 54.434 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 93 Resp: 70679

Ion	Ratio	Lower	Upper
93	100		
95	82.8	66.2	99.4
174	87.0	69.6	104.4



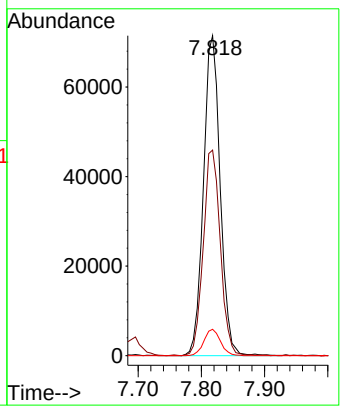


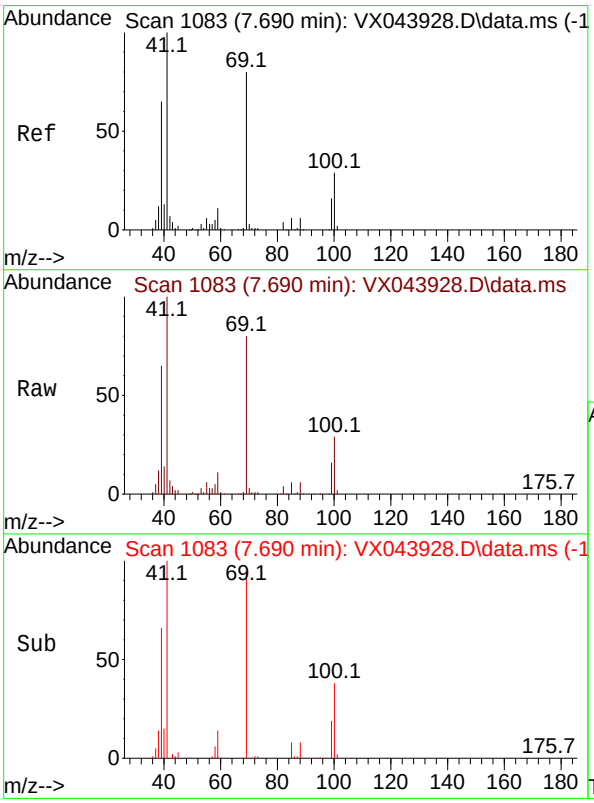
#47
Bromodichloromethane
Concen: 56.411 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 131365

Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.4	77.0
127	8.3	6.6	10.0

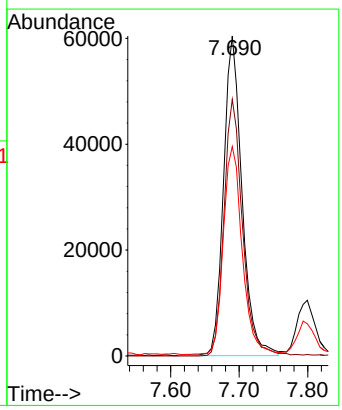


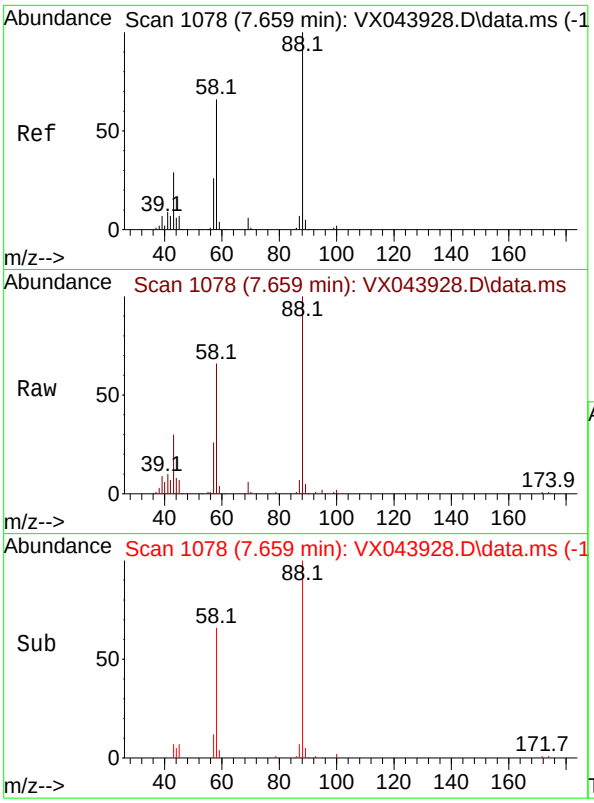


#48
Methyl methacrylate
Concen: 55.310 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 41 Resp: 112803

Ion	Ratio	Lower	Upper
41	100		
69	80.8	64.6	97.0
39	66.6	53.3	79.9



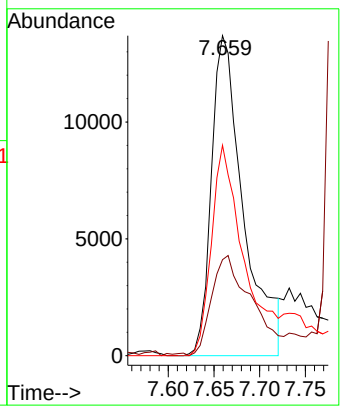


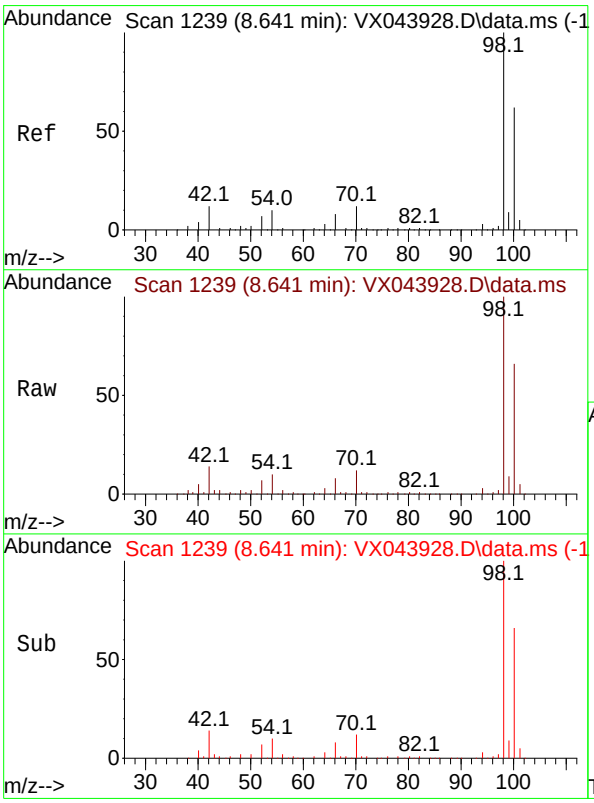
#49
1,4-Dioxane
Concen: 949.925 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 88 Resp: 33402

Ion	Ratio	Lower	Upper
88	100		
43	39.5	26.8	40.2
58	66.8	45.4	68.2

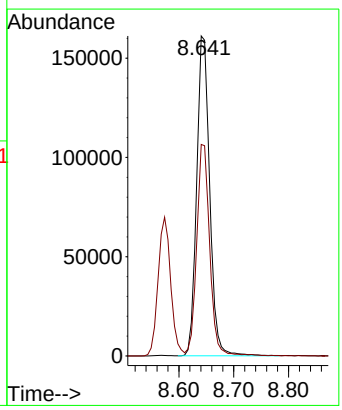


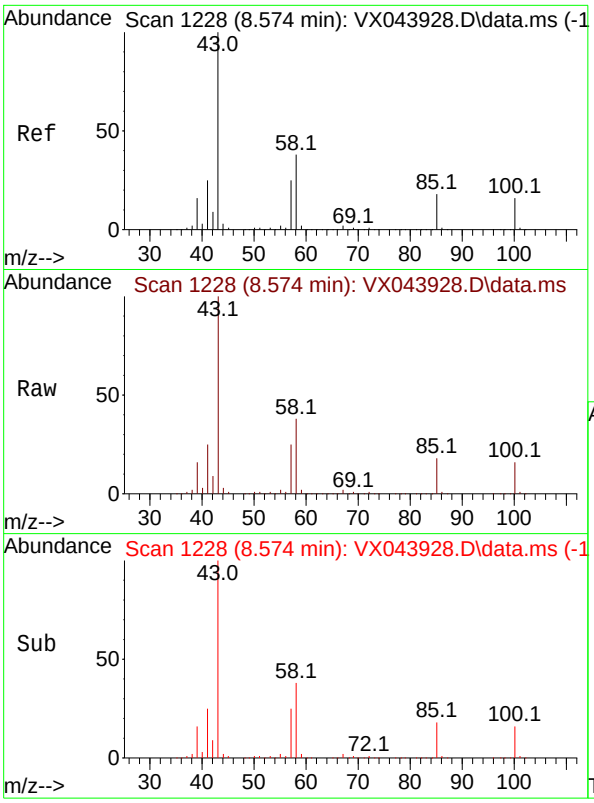


#50
Toluene-d8
Concen: 44.803 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 98 Resp: 266650

Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.6	79.0



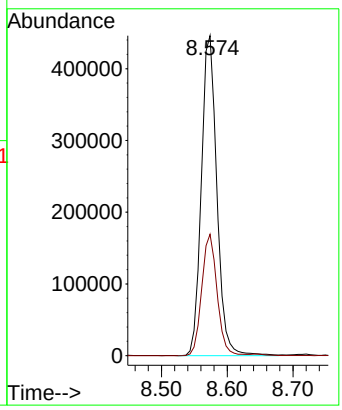


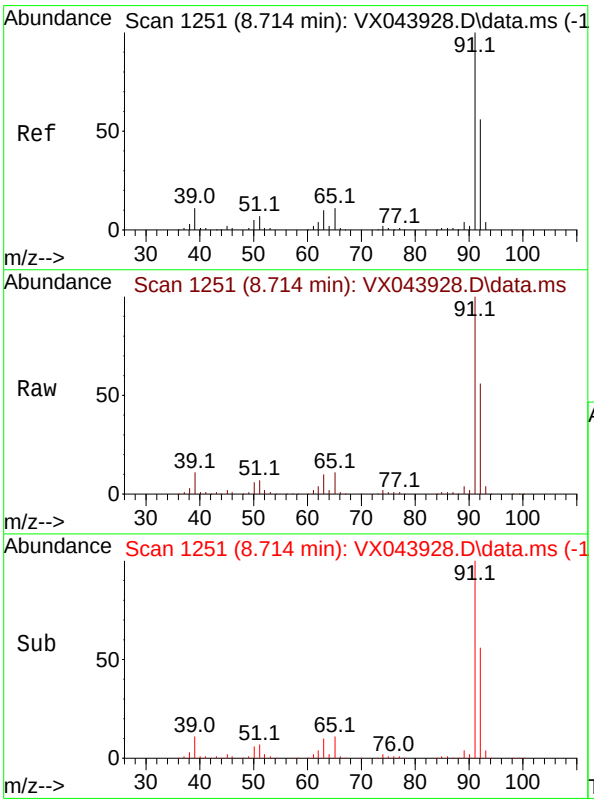
#51
4-Methyl-2-Pentanone
Concen: 282.442 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 732582

Ion	Ratio	Lower	Upper
43	100		
58	37.5	30.0	45.0

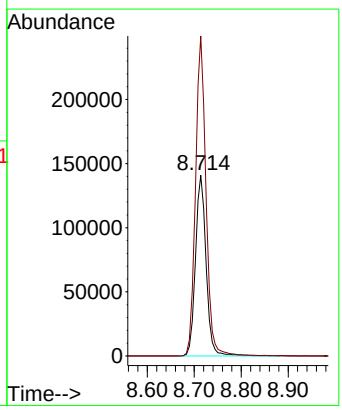


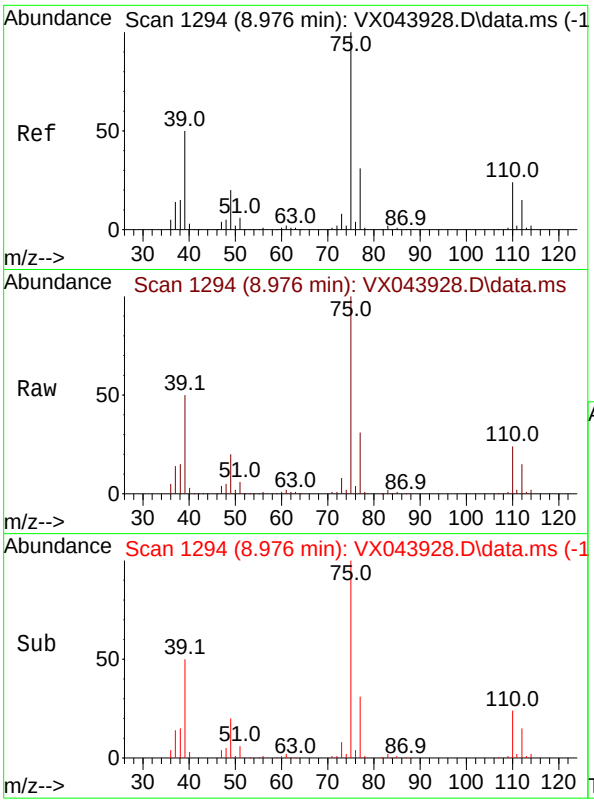


#52
Toluene
Concen: 55.469 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 92 Resp: 222500

Ion	Ratio	Lower	Upper
92	100		
91	174.6	139.7	209.5



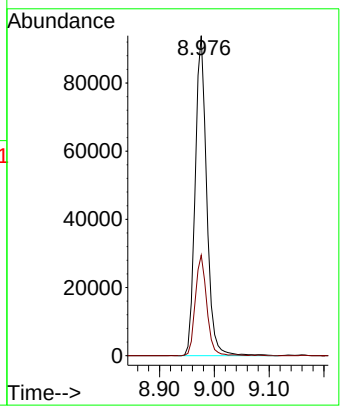


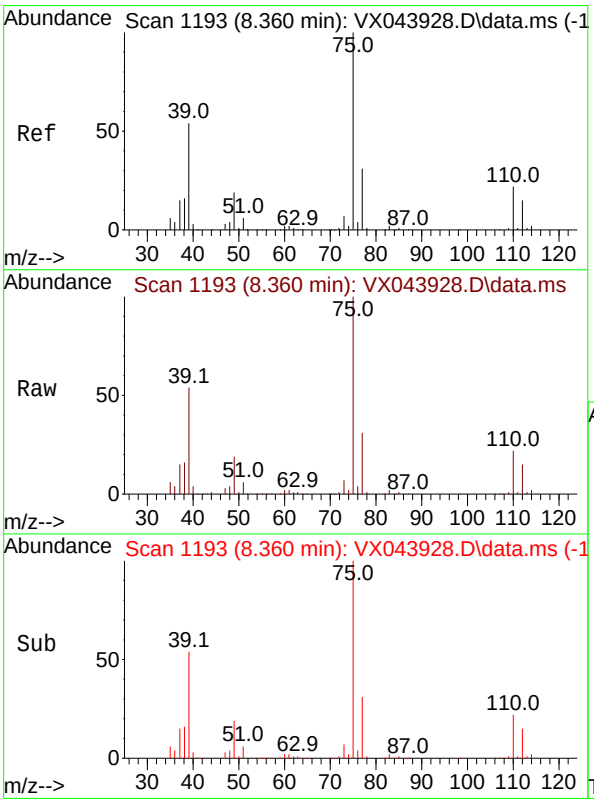
#53
t-1,3-Dichloropropene
Concen: 57.881 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 137451

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.1	37.7

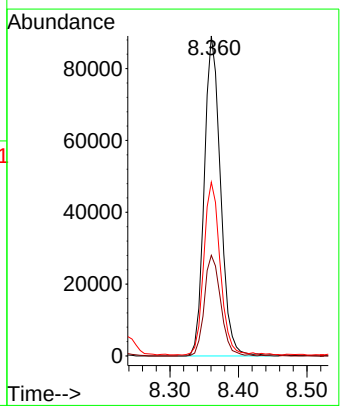


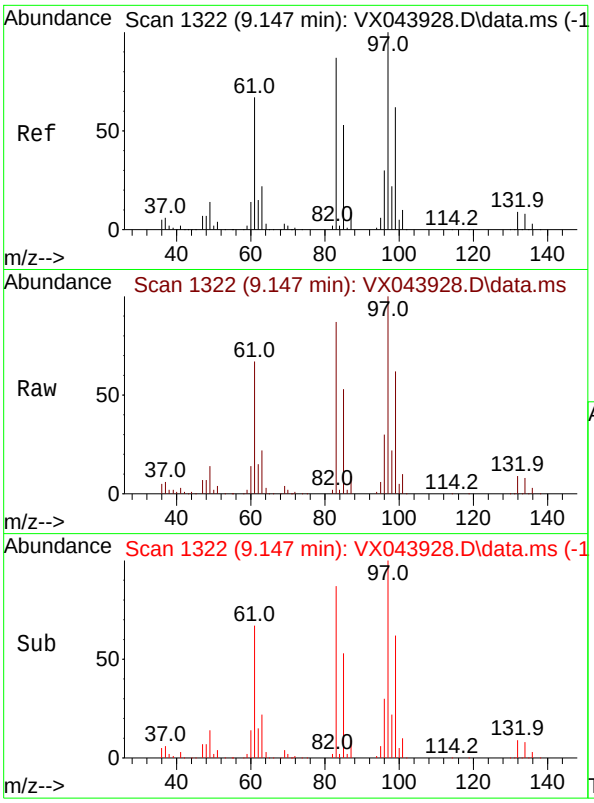


#54
cis-1,3-Dichloropropene
Concen: 56.712 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 75 Resp: 147638

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.2	37.8
39	53.9	43.1	64.7



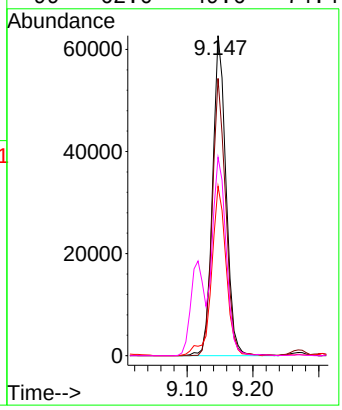


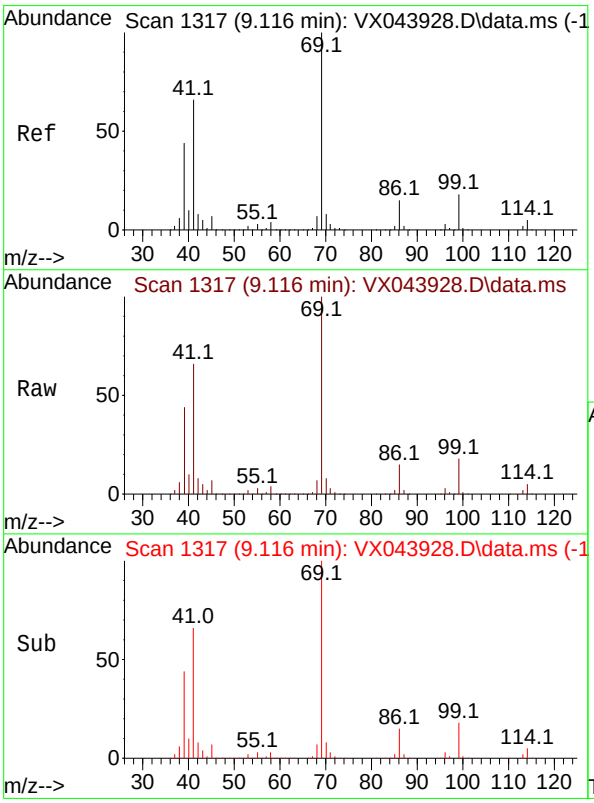
#55
1,1,2-Trichloroethane
Concen: 54.016 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 97 Resp: 89441

Ion	Ratio	Lower	Upper
97	100		
83	86.7	69.4	104.0
85	52.9	42.3	63.5
99	62.0	49.6	74.4

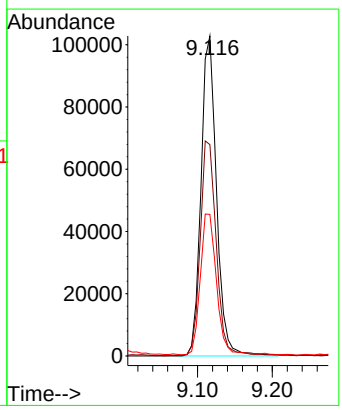


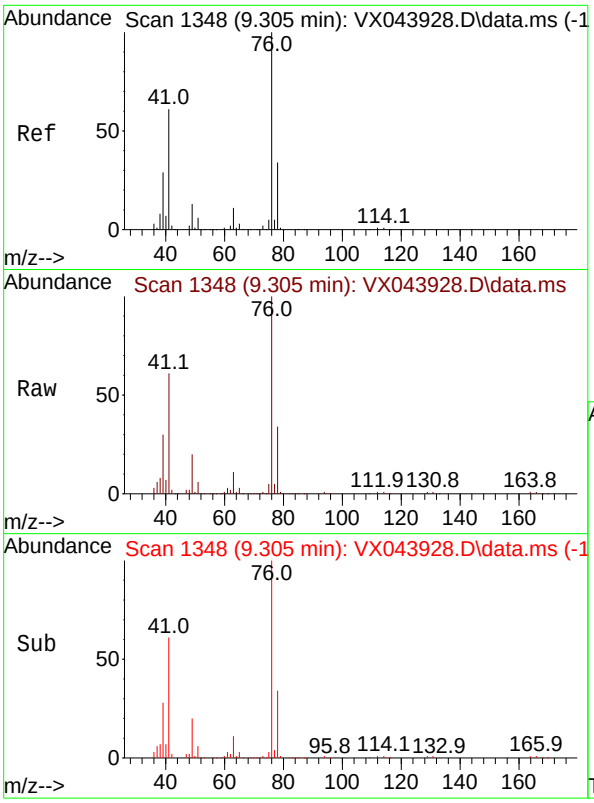


#56
Ethyl methacrylate
Concen: 57.494 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 69 Resp: 148281

Ion	Ratio	Lower	Upper
69	100		
41	69.8	55.8	83.8
39	45.9	36.7	55.1



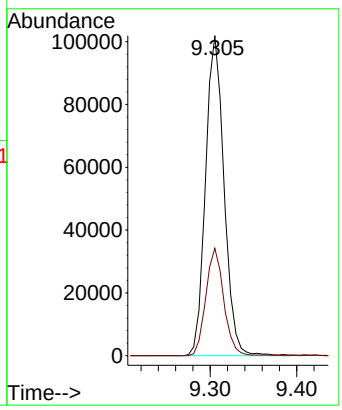


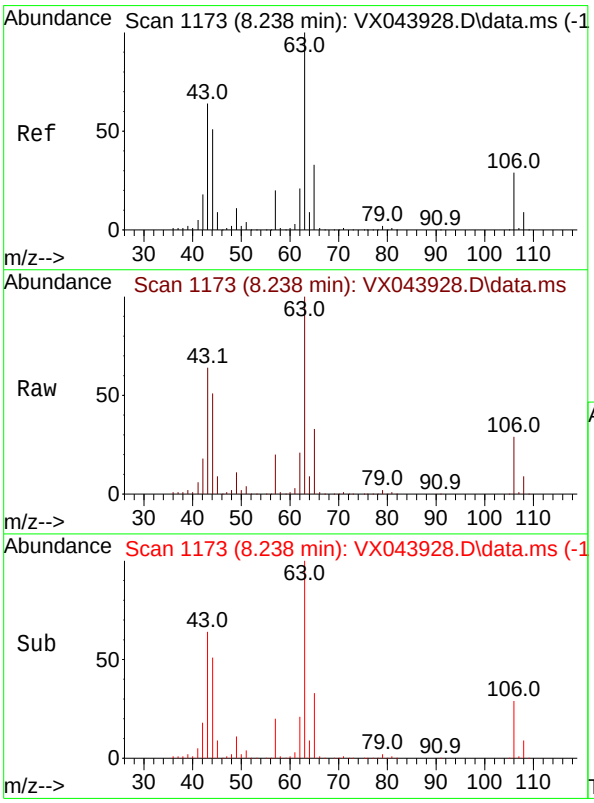
#57
1,3-Dichloropropane
Concen: 54.180 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 151124

Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.0	39.0

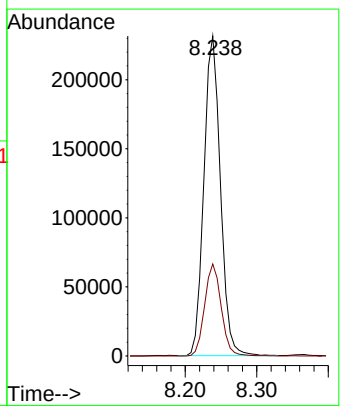


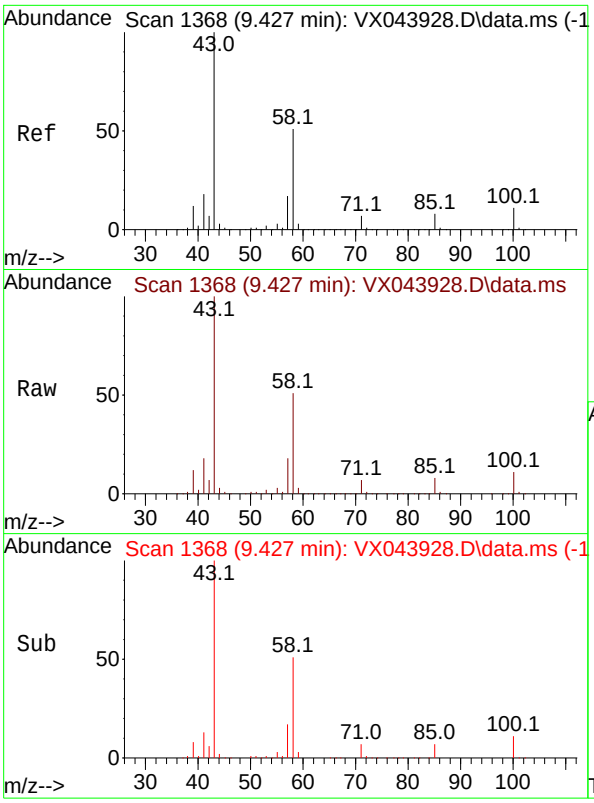


#58
2-Chloroethyl Vinyl ether
Concen: 262.805 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 63 Resp: 371281

Ion	Ratio	Lower	Upper
63	100		
106	28.8	23.0	34.6



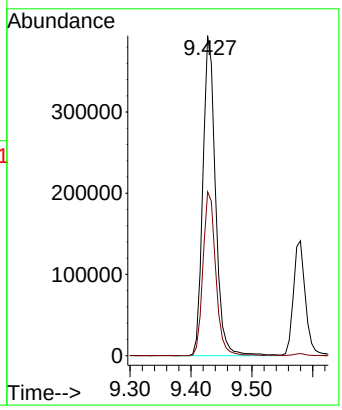


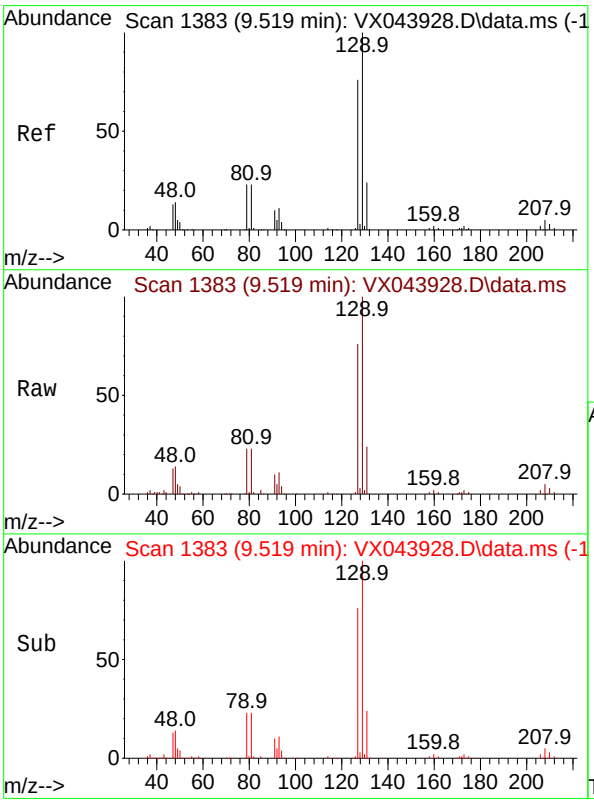
#59
2-Hexanone
Concen: 291.589 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 568460

Ion	Ratio	Lower	Upper
43	100		
58	51.7	25.9	77.6

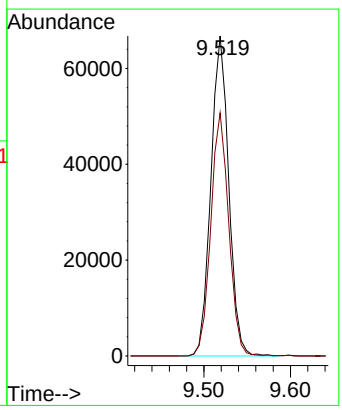


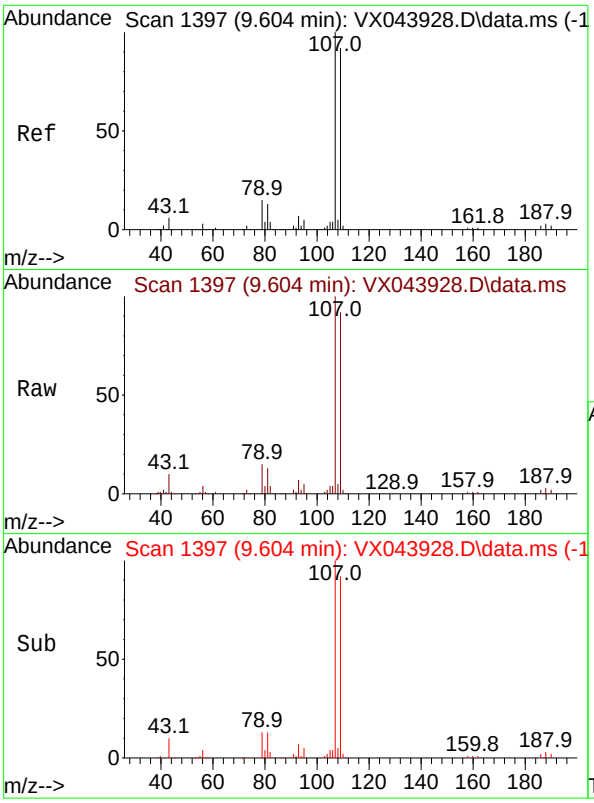


#60
Dibromochloromethane
Concen: 57.569 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:129 Resp: 95641

Ion	Ratio	Lower	Upper
129	100		
127	76.4	38.2	114.6



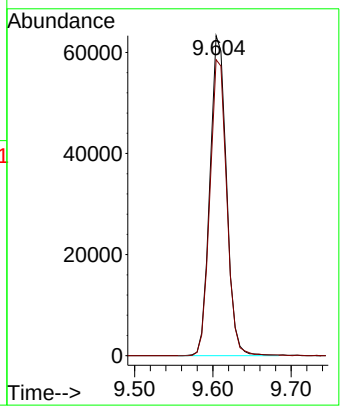


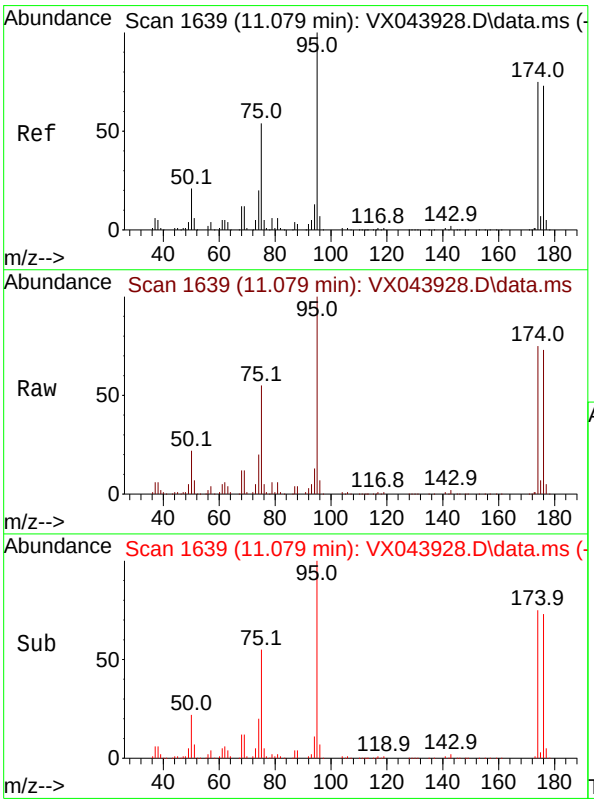
#61
1,2-Dibromoethane
Concen: 55.510 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 92940

Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.2	112.8

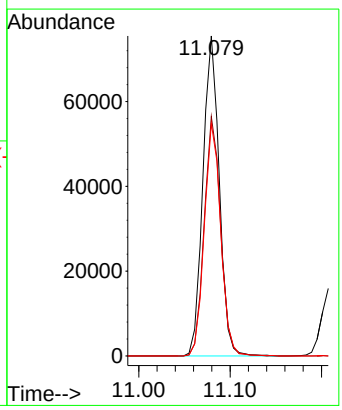


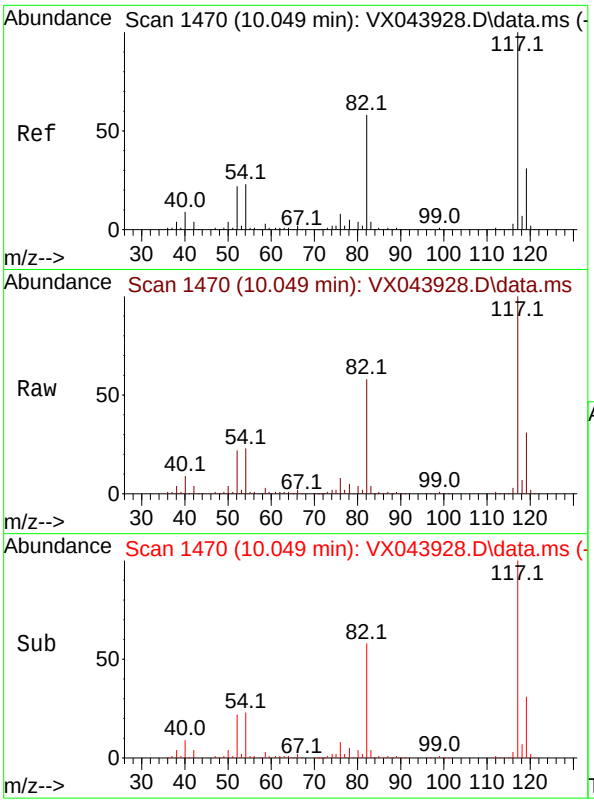


#62
4-Bromofluorobenzene
Concen: 46.166 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 95 Resp: 93510

Ion	Ratio	Lower	Upper
95	100		
174	75.2	0.0	150.4
176	73.0	0.0	146.0



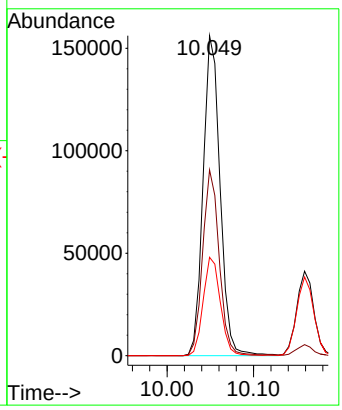


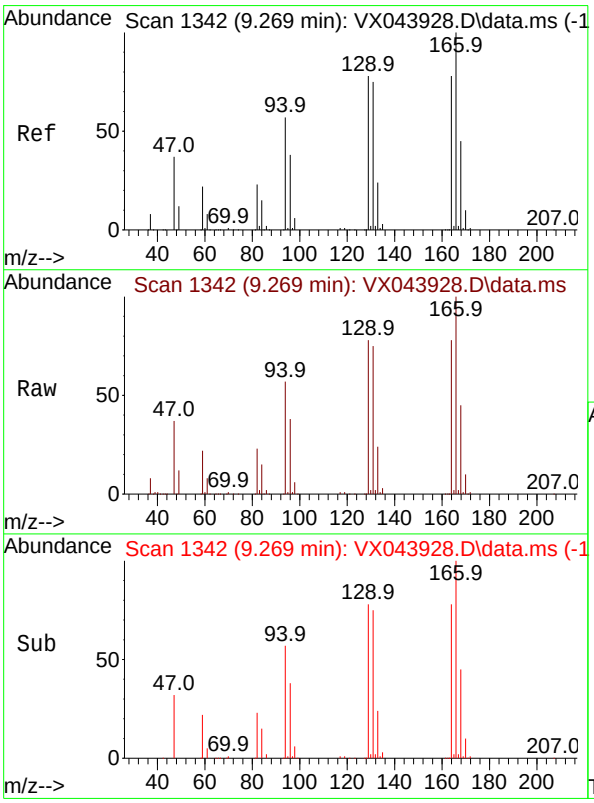
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 212243

Ion	Ratio	Lower	Upper
117	100		
82	58.0	46.4	69.6
119	30.8	24.6	37.0

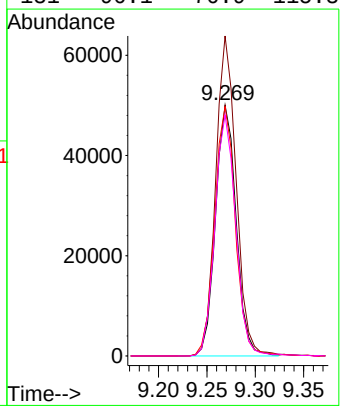


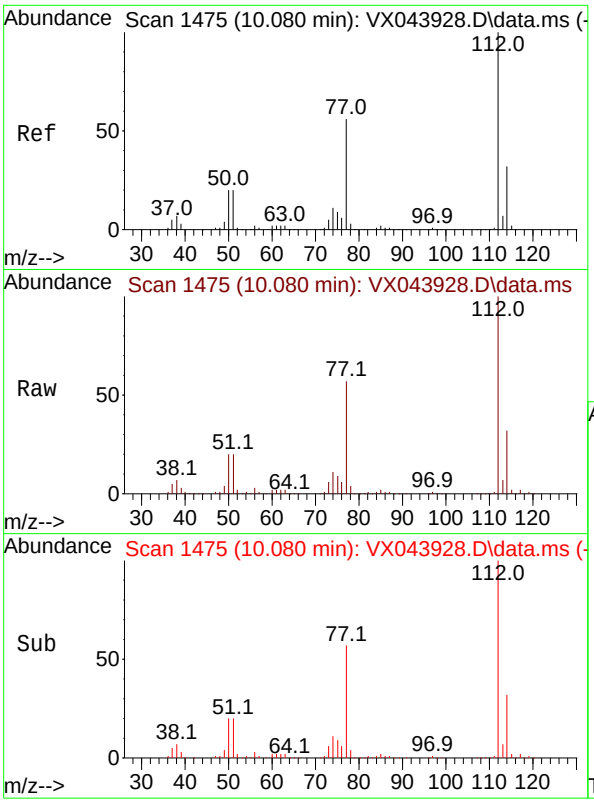


#64
Tetrachloroethene
Concen: 52.988 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:164 Resp: 74157

Ion	Ratio	Lower	Upper
164	100		
166	127.6	102.1	153.1
129	99.5	79.6	119.4
131	96.1	76.9	115.3



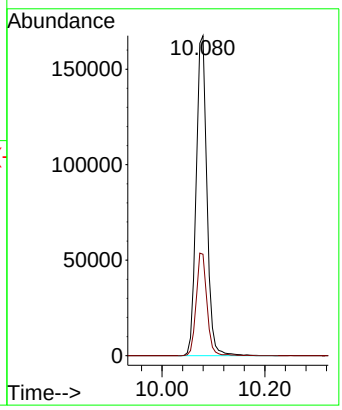


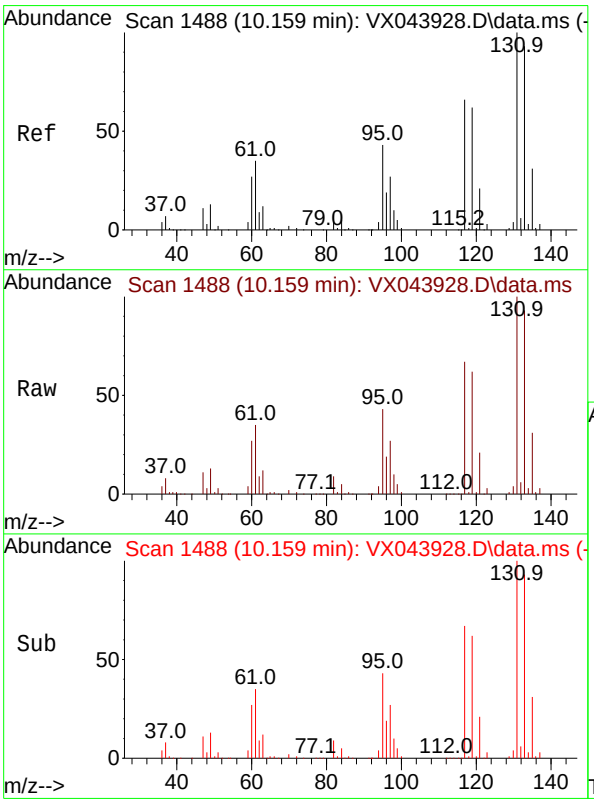
#65
Chlorobenzene
Concen: 52.147 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 243080

Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.4	38.0

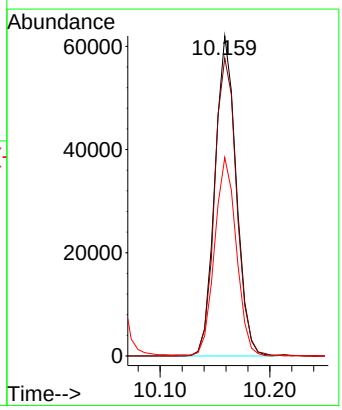


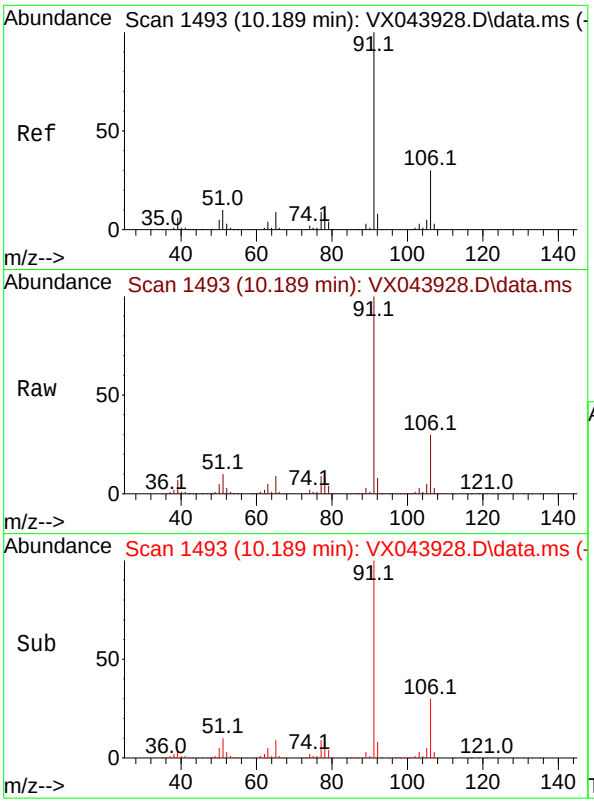


#66
1,1,1,2-Tetrachloroethane
Concen: 55.520 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:131 Resp: 83934

Ion	Ratio	Lower	Upper
131	100		
133	96.4	48.2	144.6
119	63.0	31.5	94.5



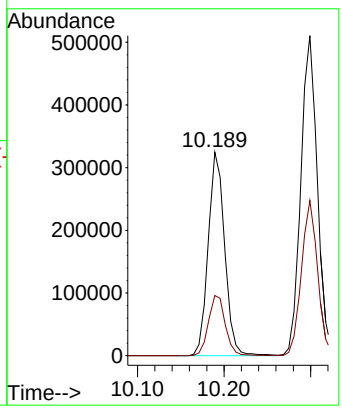


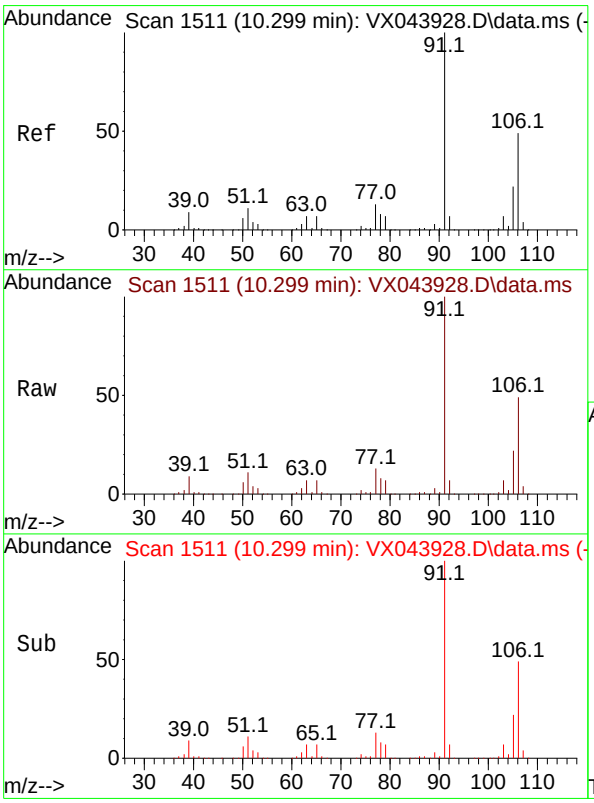
#67
Ethyl Benzene
Concen: 54.383 ug/l
RT: 10.189 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 429559

Ion	Ratio	Lower	Upper
91	100		
106	29.5	23.6	35.4

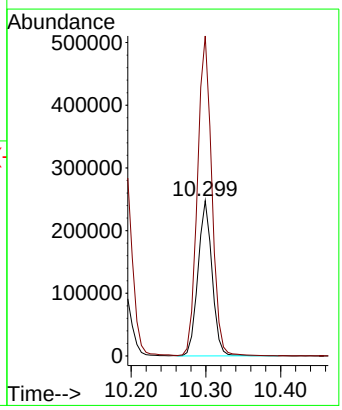


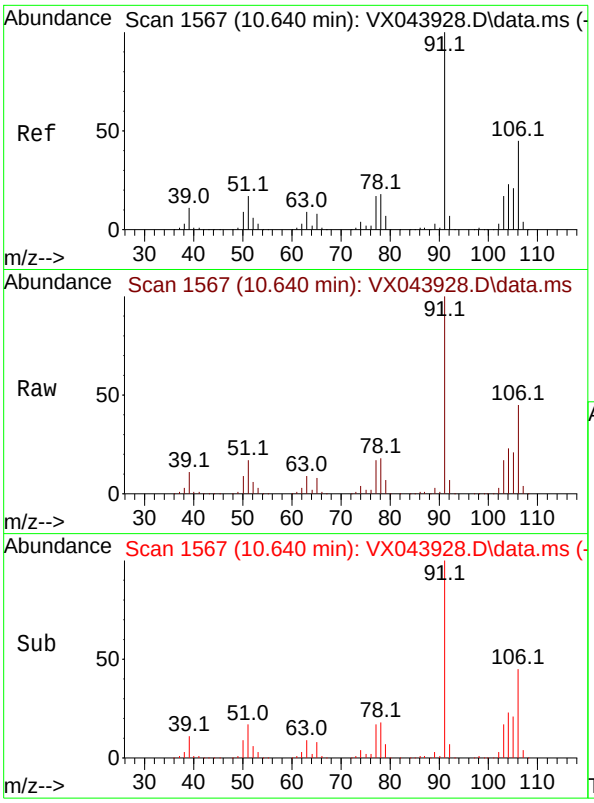


#68
m/p-Xylenes
Concen: 109.878 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:106 Resp: 323661

Ion	Ratio	Lower	Upper
106	100		
91	210.1	168.1	252.1



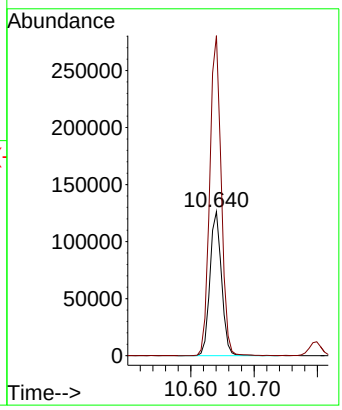


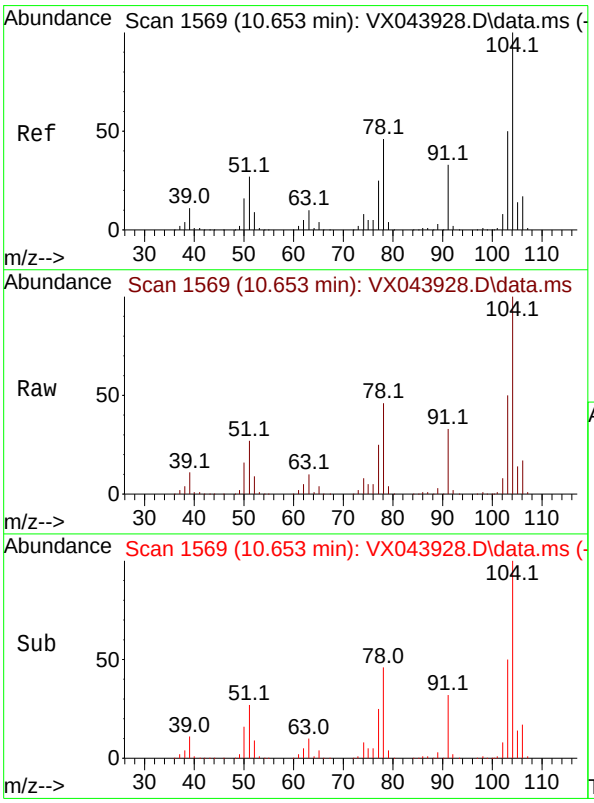
#69
o-Xylene
Concen: 55.856 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 160643

Ion	Ratio	Lower	Upper
106	100		
91	220.4	110.2	330.6

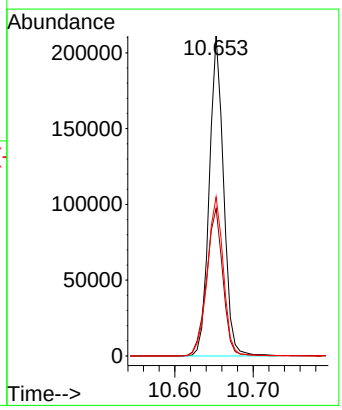


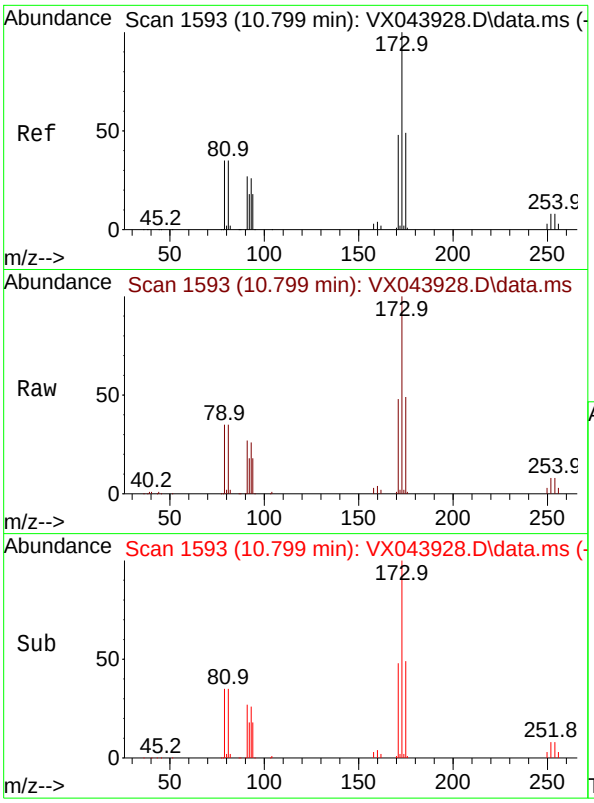


#70
Styrene
Concen: 56.341 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:104 Resp: 268004

Ion	Ratio	Lower	Upper
104	100		
78	52.7	42.2	63.2
103	55.9	44.7	67.1



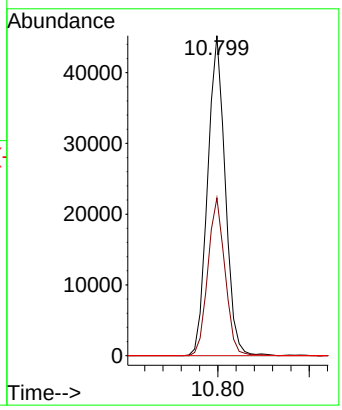


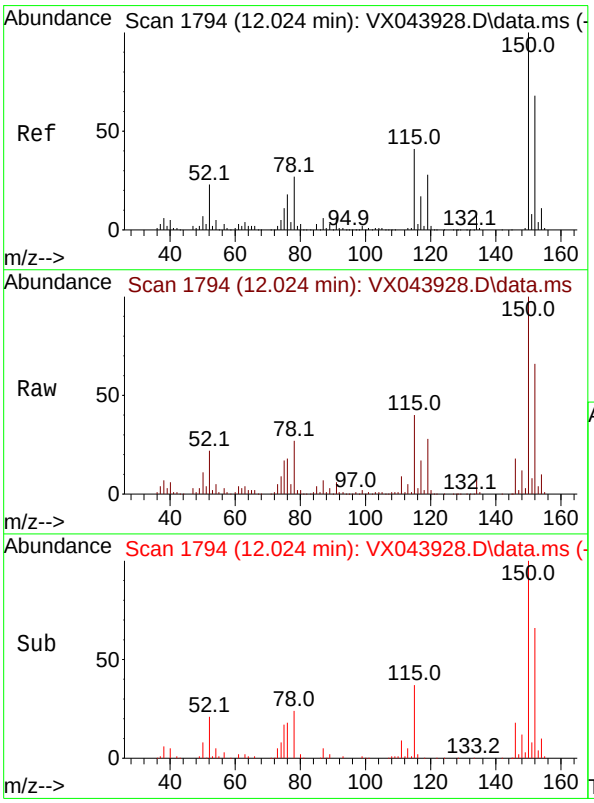
#71
Bromoform
Concen: 52.275 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:173 Resp: 60267

Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.1	72.2
254	0.0	0.0	0.0

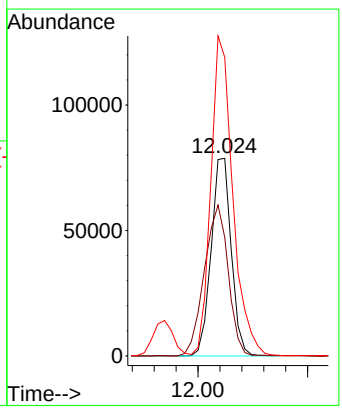


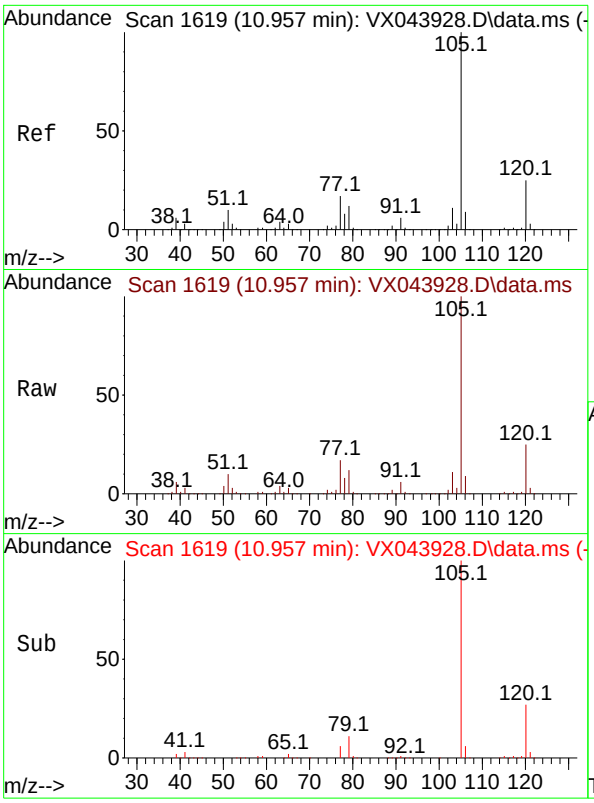


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:152 Resp: 100316

Ion	Ratio	Lower	Upper
152	100		
115	90.8	45.4	136.2
150	176.5	0.0	353.0



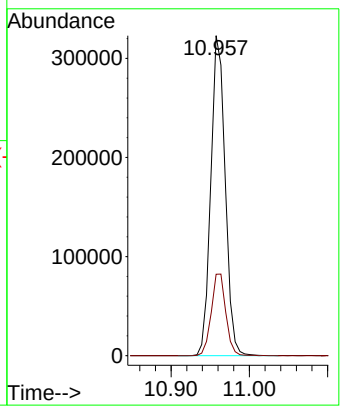


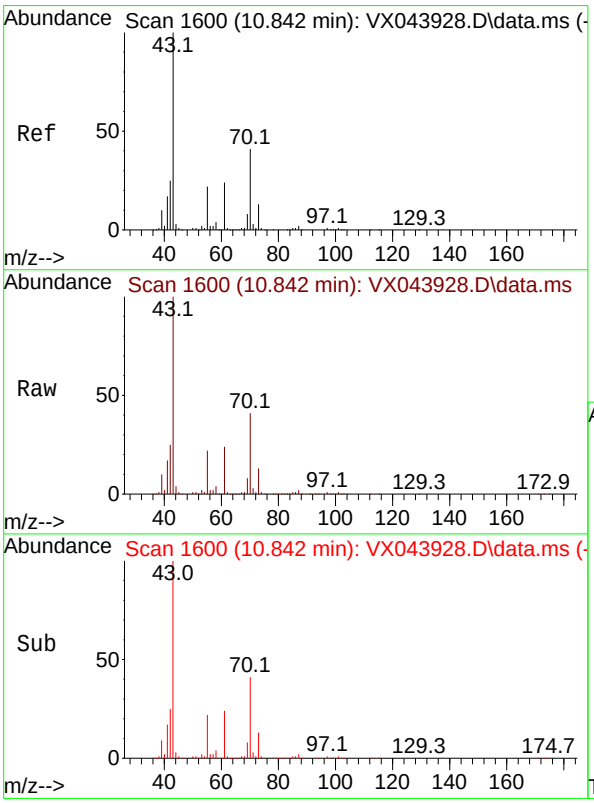
#73
Isopropylbenzene
Concen: 53.299 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 411000

Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.0	38.9

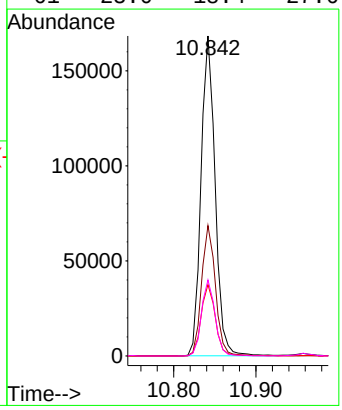


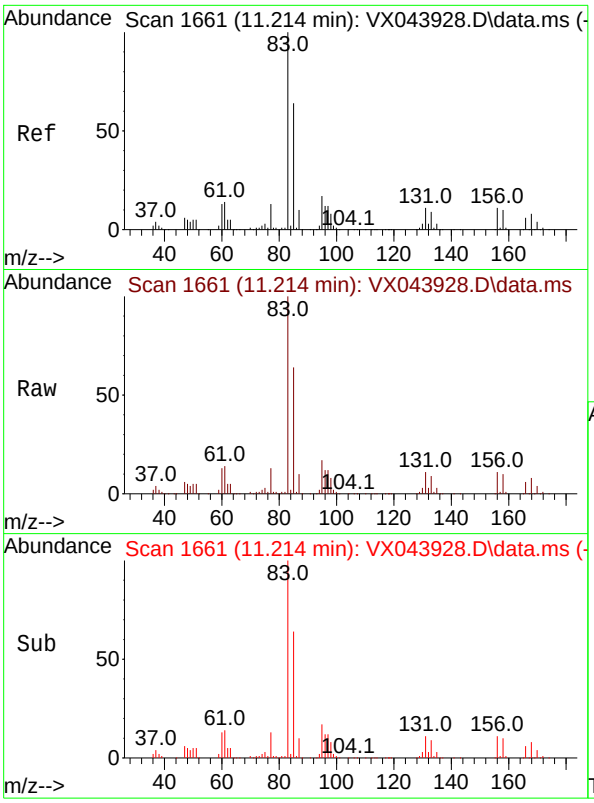


#74
N-amyl acetate
Concen: 56.042 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 43 Resp: 200195

Ion	Ratio	Lower	Upper
43	100		
70	40.2	32.2	48.2
55	22.6	18.1	27.1
61	23.0	18.4	27.6



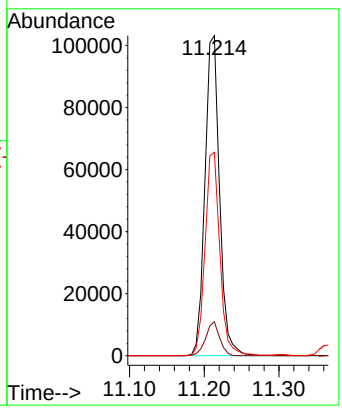


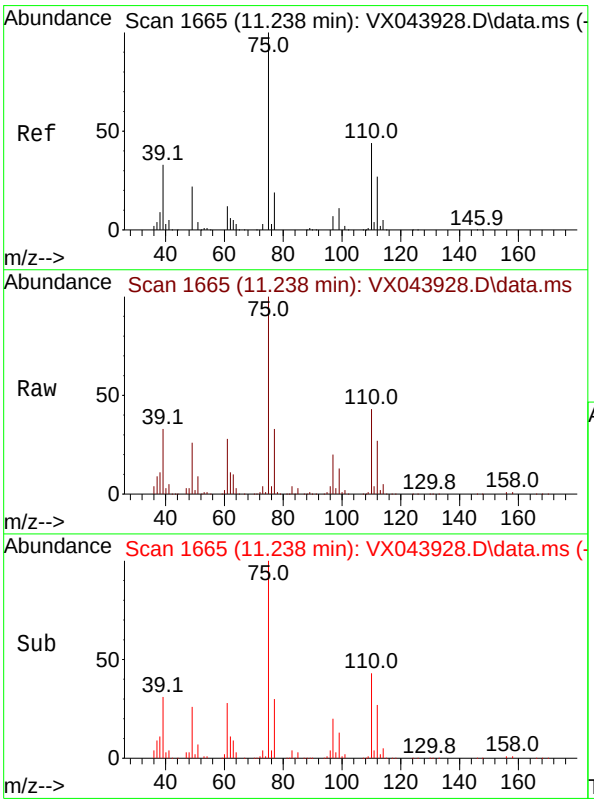
#75
1,1,2,2-Tetrachloroethane
Concen: 52.930 ug/l
RT: 11.214 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 139756

Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.1	15.2
85	64.4	32.2	96.6

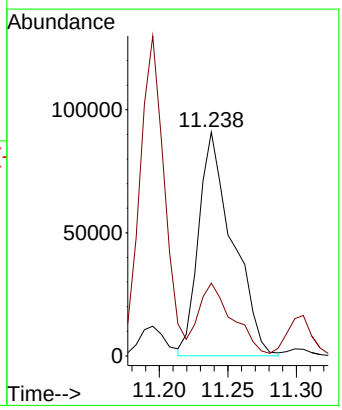


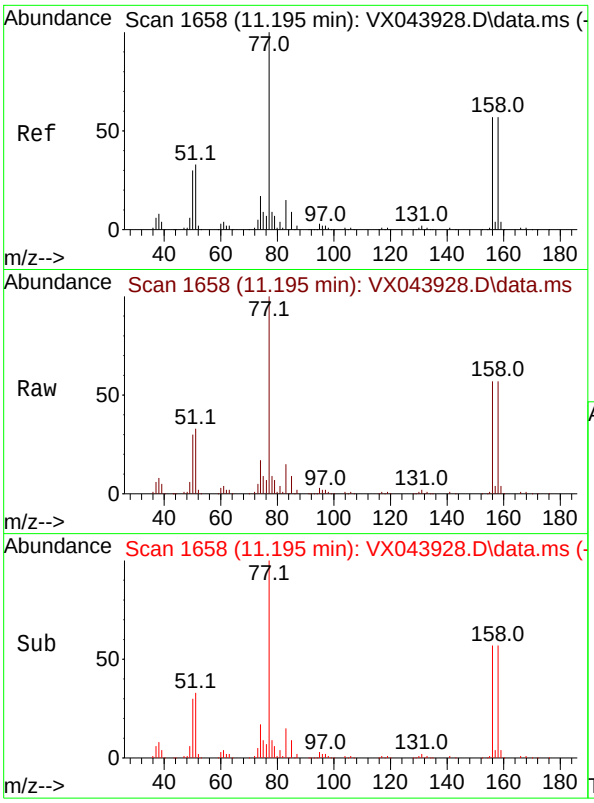


#76
1,2,3-Trichloropropane
Concen: 72.666 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 75 Resp: 157199

Ion	Ratio	Lower	Upper
75	100		
77	32.8	21.8	65.3



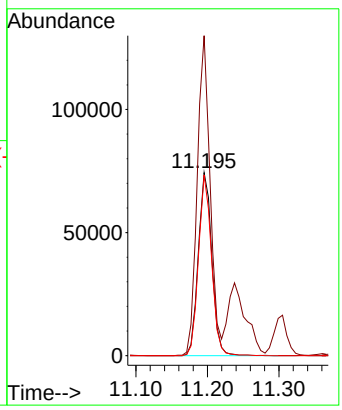


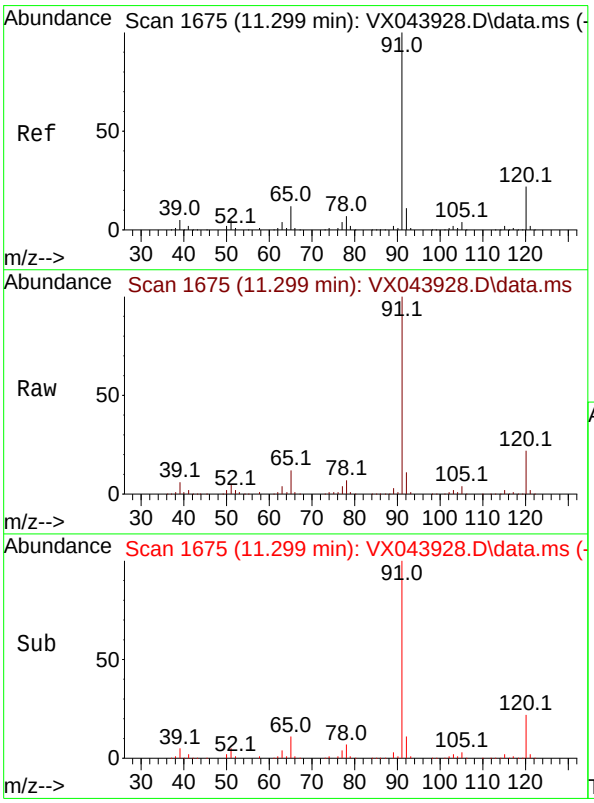
#77
Bromobenzene
Concen: 53.145 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:156 Resp: 97761

Ion	Ratio	Lower	Upper
156	100		
77	166.7	83.4	250.1
158	95.2	47.6	142.8

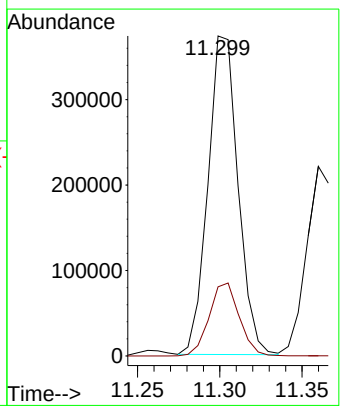


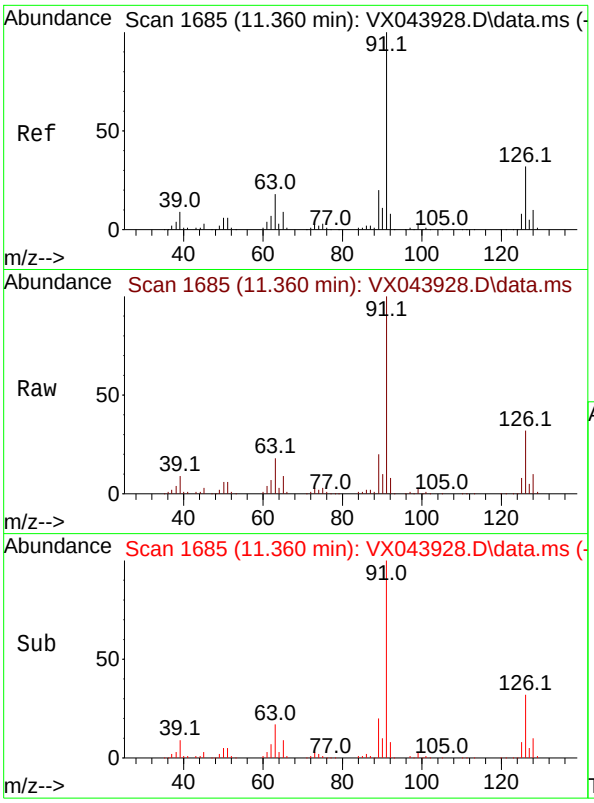


#78
n-propylbenzene
Concen: 55.131 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 91 Resp: 474802

Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.5	34.4



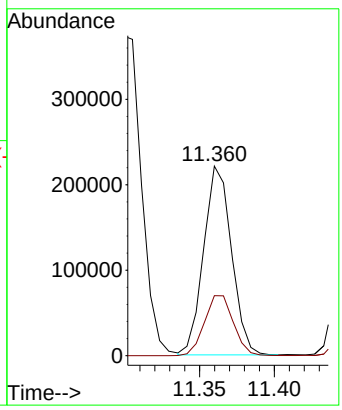


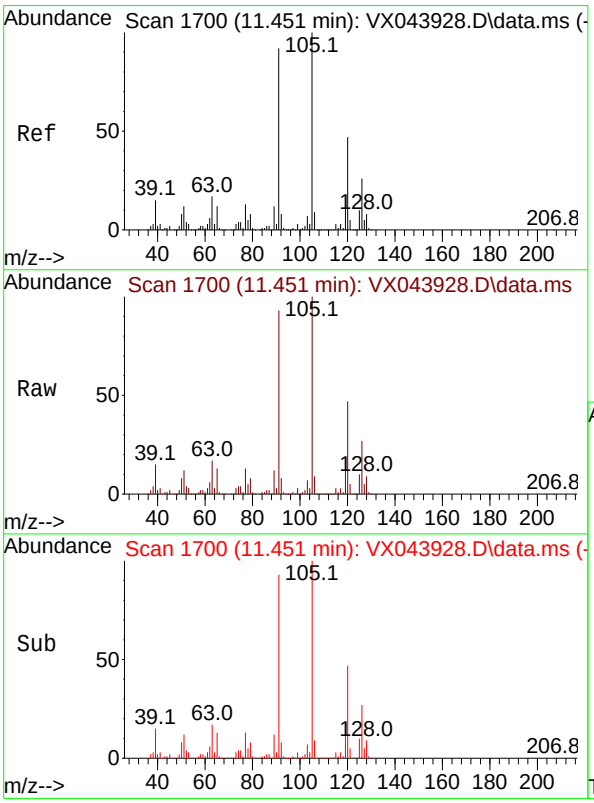
#79
2-Chlorotoluene
Concen: 52.636 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 286649

Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.6	49.8

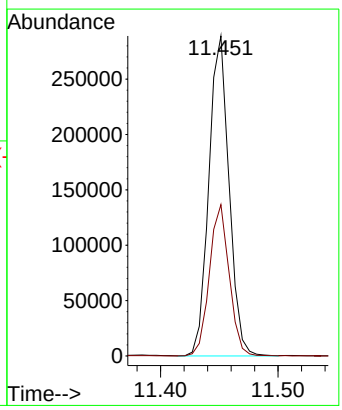


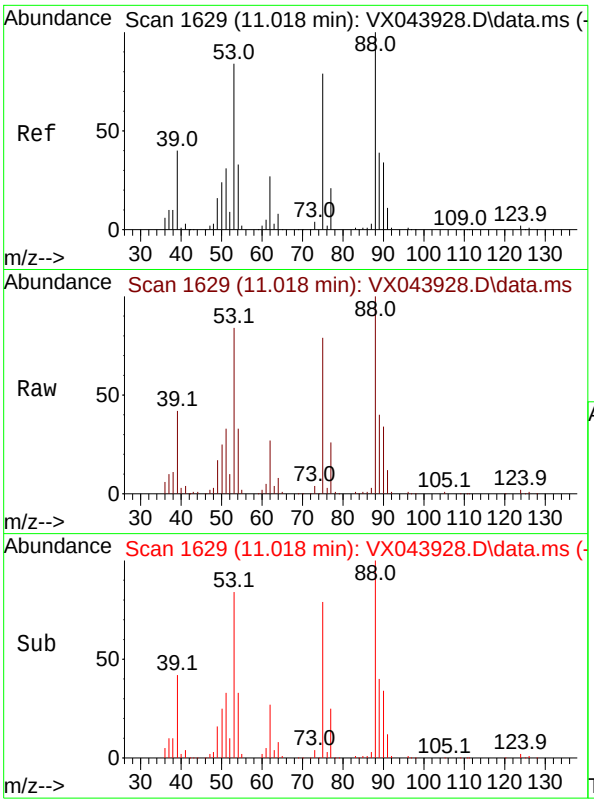


#80
1,3,5-Trimethylbenzene
Concen: 54.465 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:105 Resp: 345531

Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.3	69.8



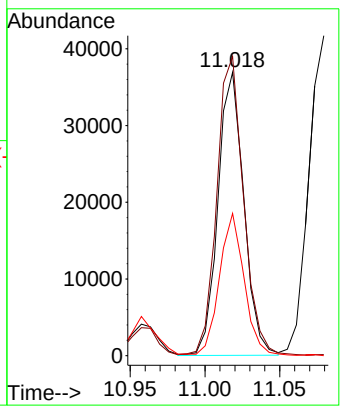


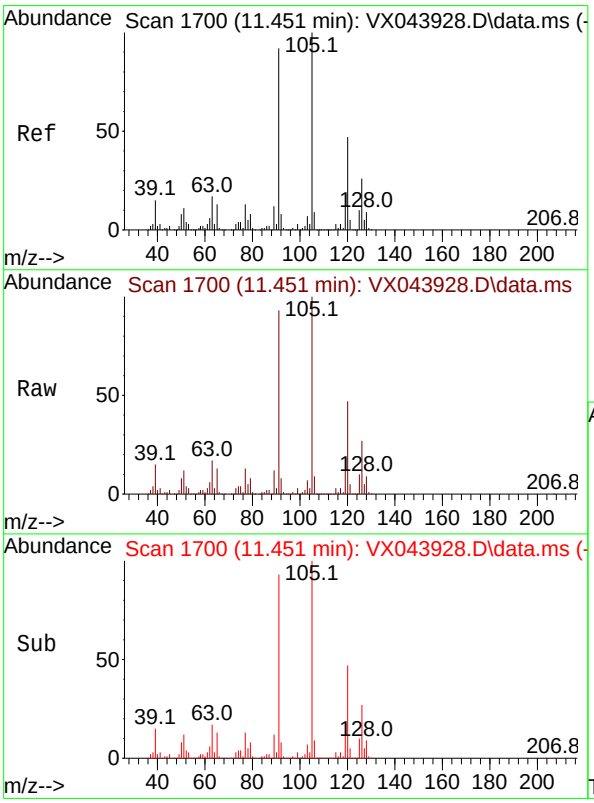
#81
trans-1,4-Dichloro-2-butene
Concen: 55.136 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 44450

Ion	Ratio	Lower	Upper
75	100		
53	108.4	86.7	130.1
89	47.7	38.2	57.2

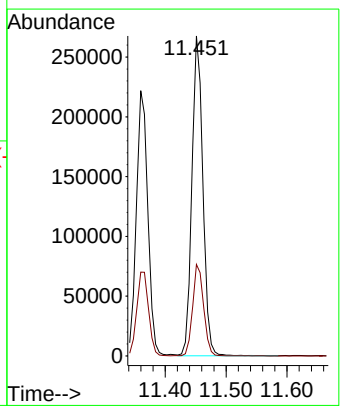


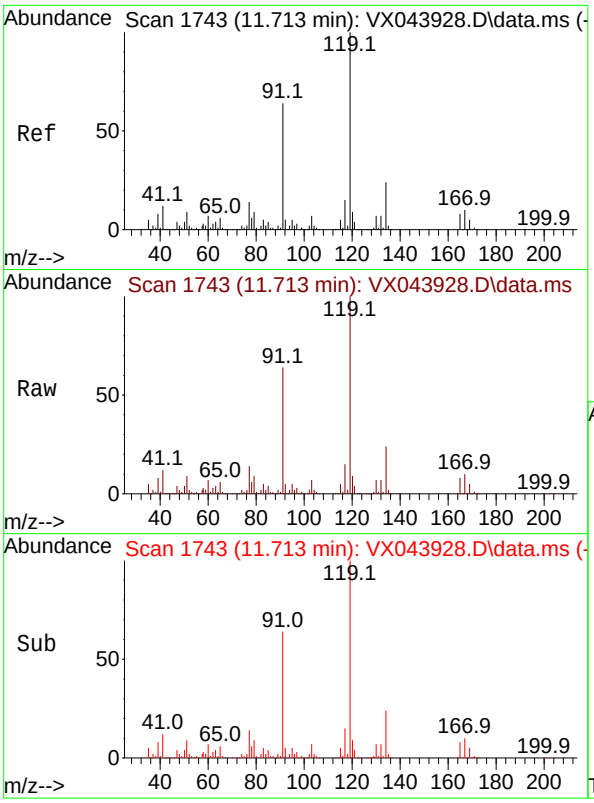


#82
4-Chlorotoluene
Concen: 54.315 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 91 Resp: 333946

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.3	42.9



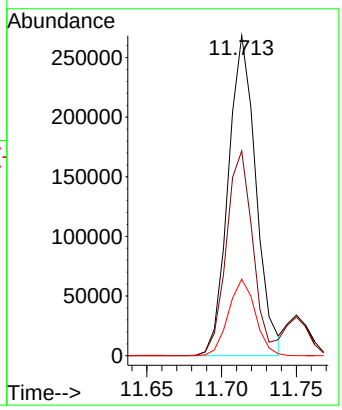


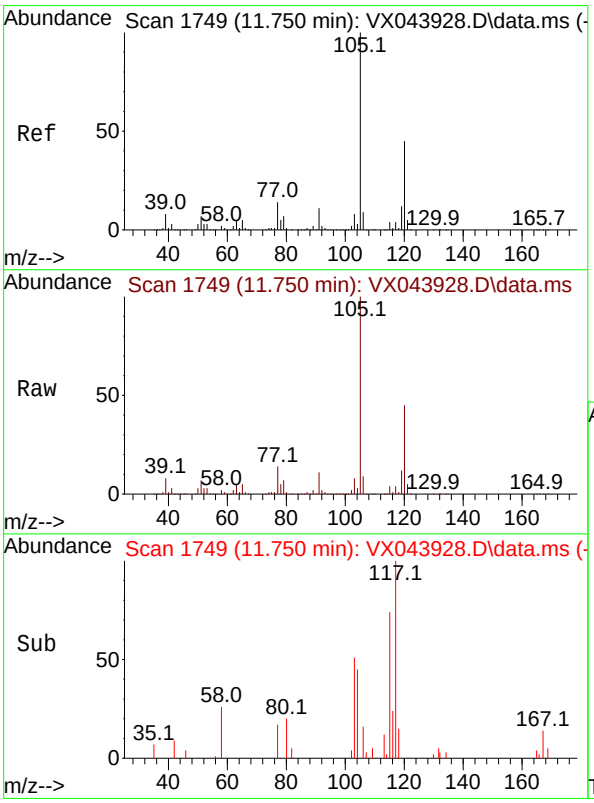
#83
tert-Butylbenzene
Concen: 54.884 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:119 Resp: 345112

Ion	Ratio	Lower	Upper
119	100		
91	62.0	31.0	93.0
134	23.2	11.6	34.8

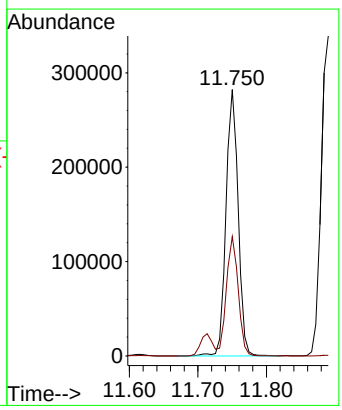


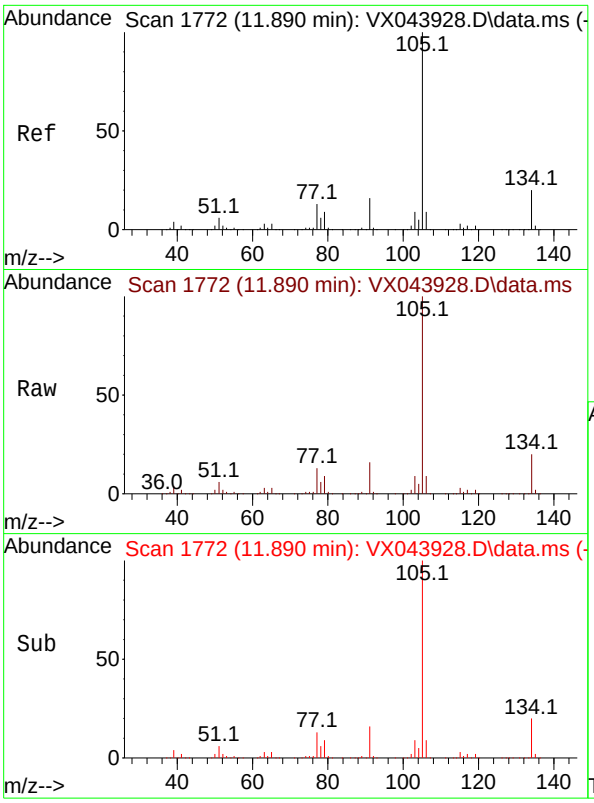


#84
1,2,4-Trimethylbenzene
Concen: 54.640 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:105 Resp: 345112

Ion	Ratio	Lower	Upper
105	100		
120	43.8	21.9	65.7



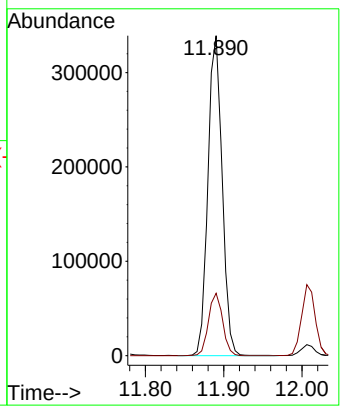


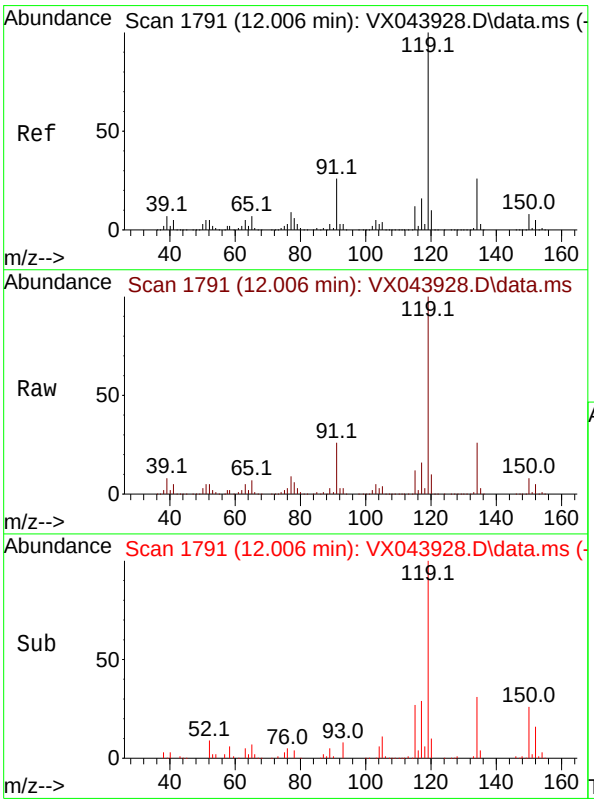
#85
sec-Butylbenzene
Concen: 55.331 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 426284

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.7	29.1

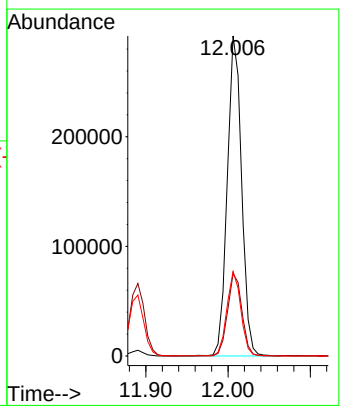


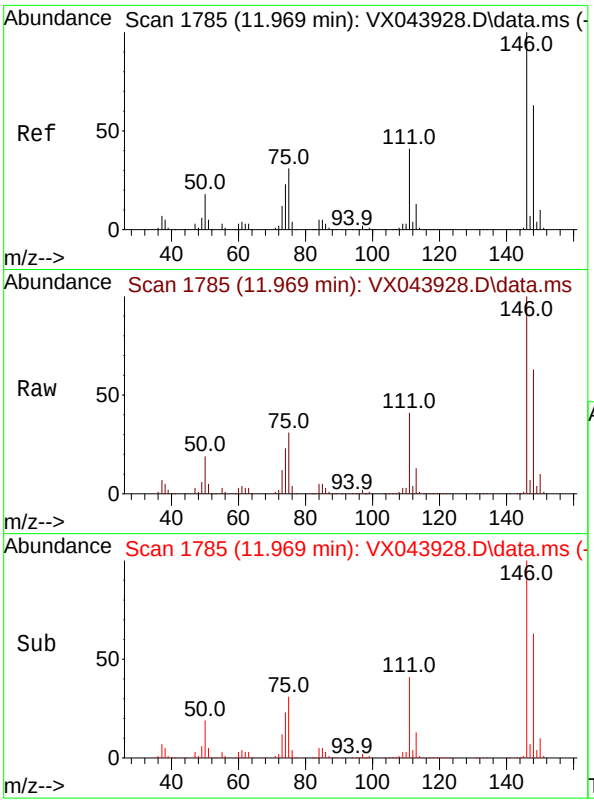


#86
p-Isopropyltoluene
Concen: 56.448 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:119 Resp: 353256

Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.0	38.9
91	25.9	13.0	38.9



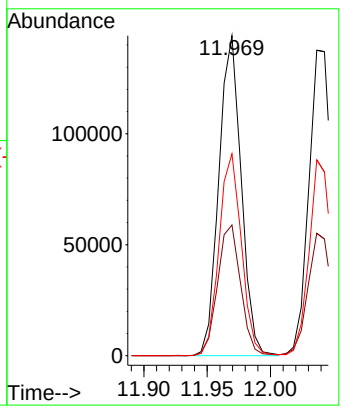


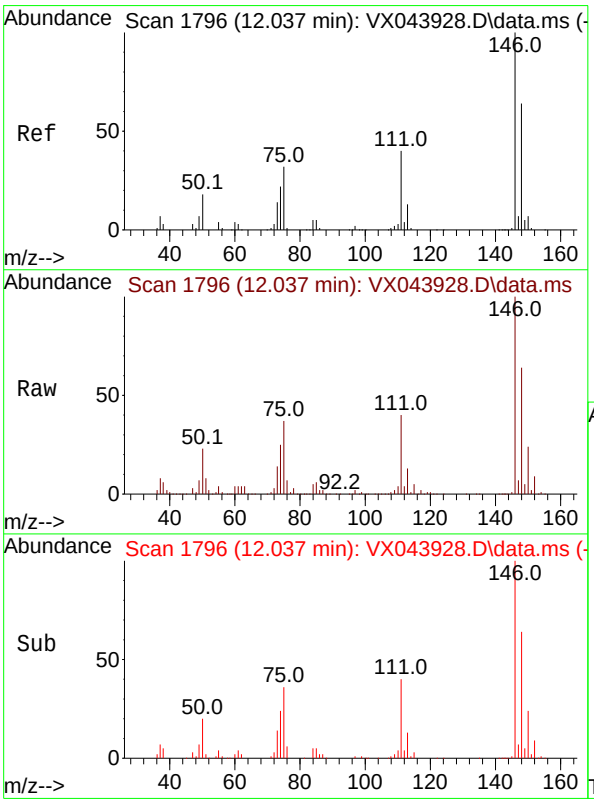
#87
1,3-Dichlorobenzene
Concen: 52.812 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 176936

Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.1	63.3
148	63.4	31.7	95.1

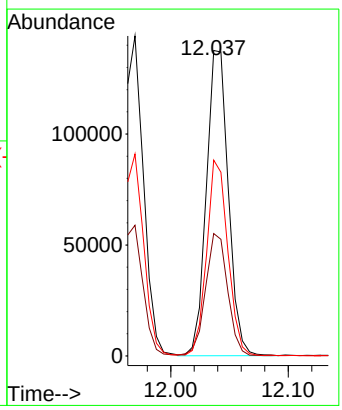


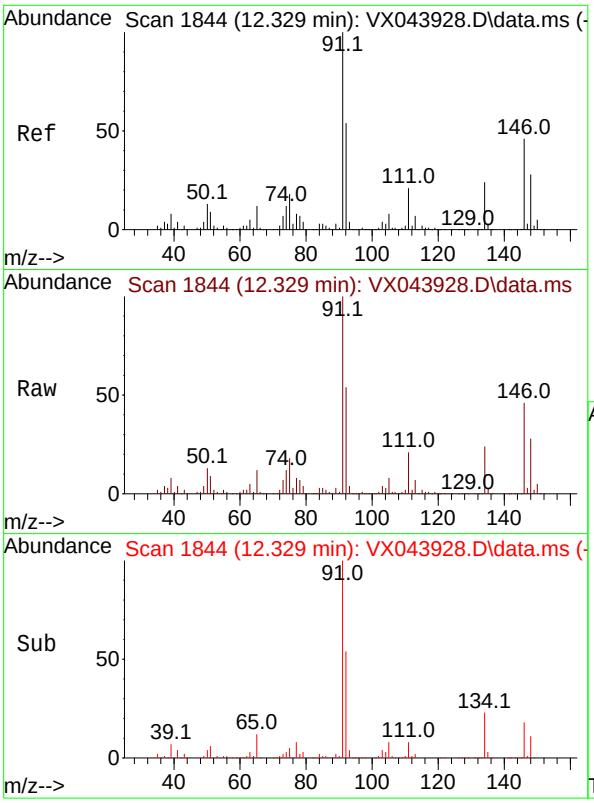


#88
1,4-Dichlorobenzene
Concen: 52.530 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:146 Resp: 178728

Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.1	60.3
148	61.9	30.9	92.8



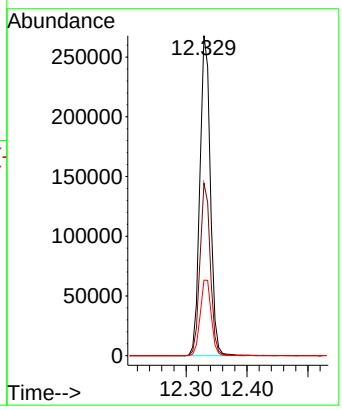


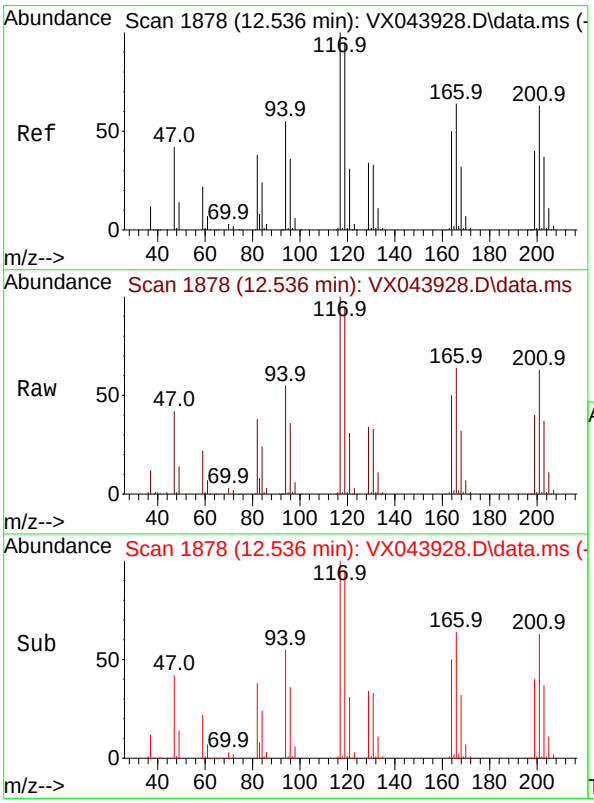
#89
n-Butylbenzene
Concen: 57.897 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 319448

Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.6	79.8
134	24.8	12.4	37.2

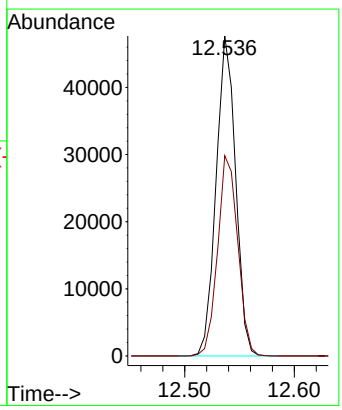


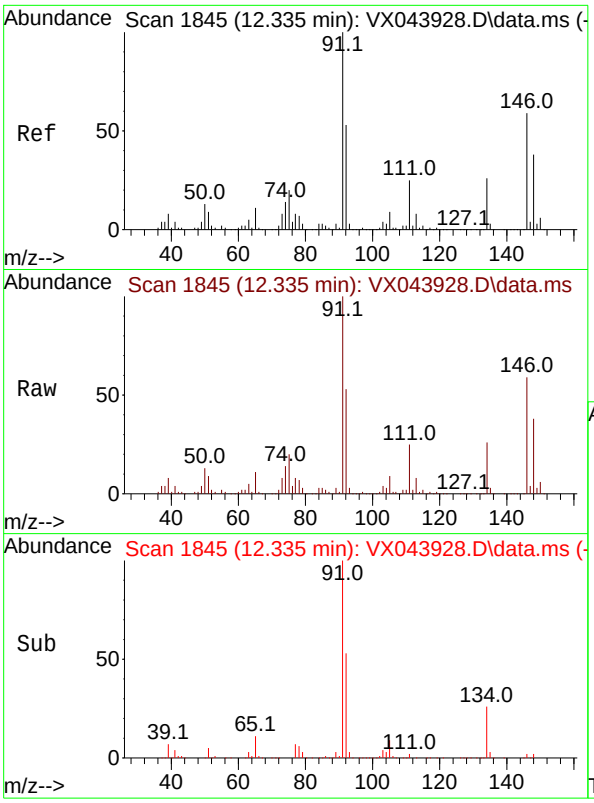


#90
Hexachloroethane
Concen: 55.453 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:117 Resp: 59010

Ion	Ratio	Lower	Upper
117	100		
201	64.7	32.4	97.0



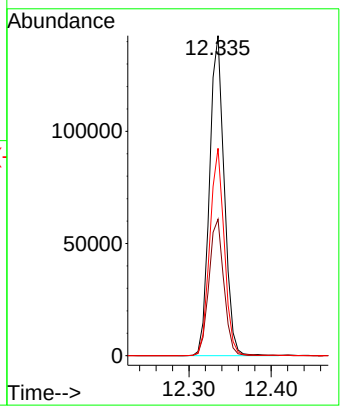


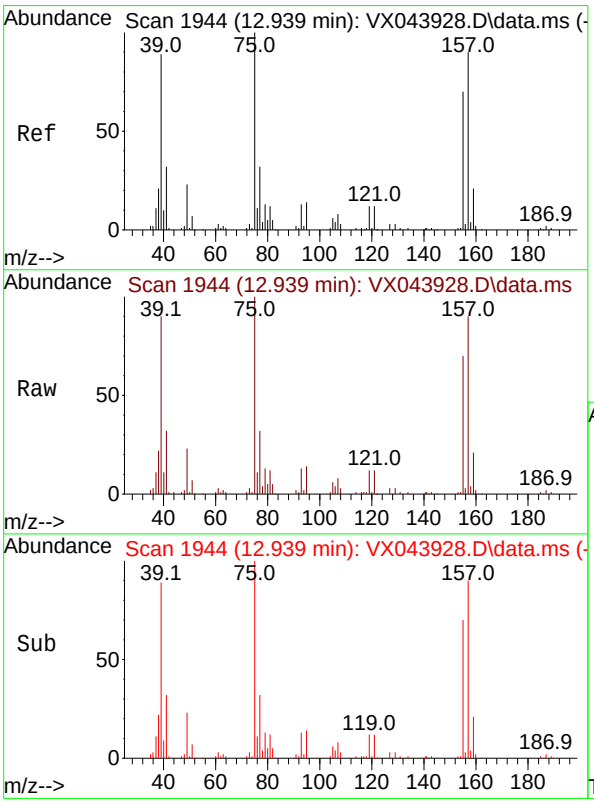
#91
1,2-Dichlorobenzene
Concen: 52.449 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 177334

Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.5	64.5
148	63.7	31.9	95.5

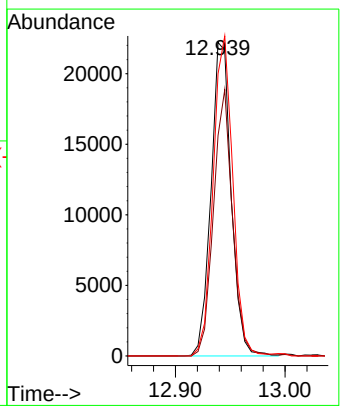


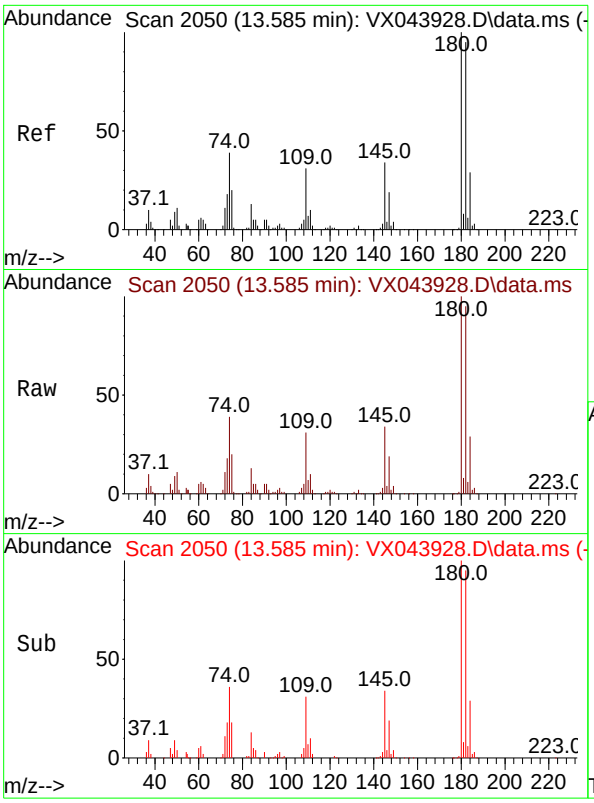


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.806 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 75 Resp: 28467

Ion	Ratio	Lower	Upper
75	100		
155	80.1	40.1	120.2
157	99.3	49.6	149.0



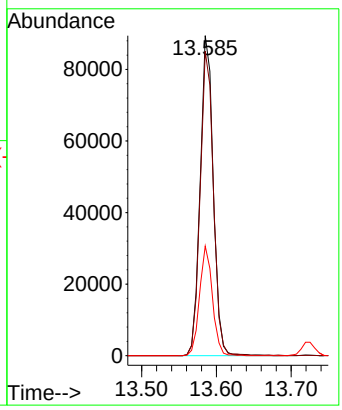


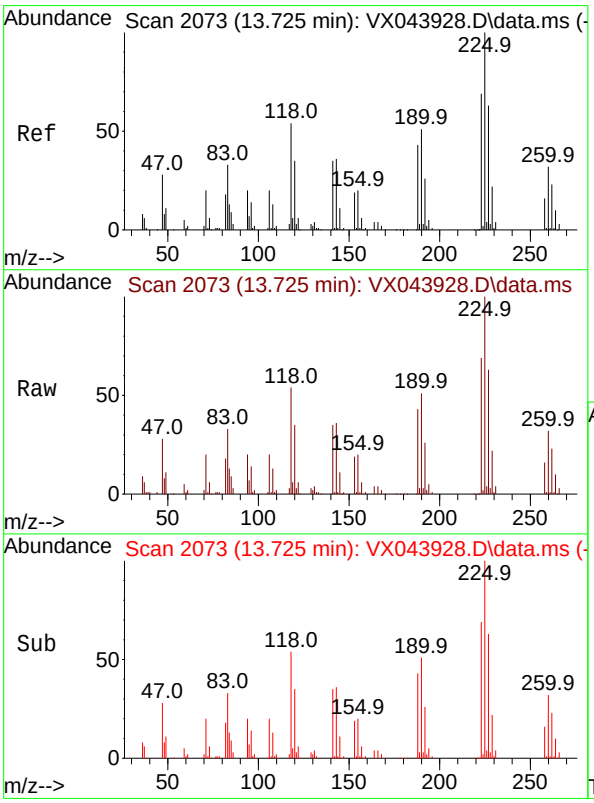
#93
1,2,4-Trichlorobenzene
Concen: 54.556 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:180 Resp: 108749

Ion	Ratio	Lower	Upper
180	100		
182	96.1	48.0	144.2
145	33.6	16.8	50.4

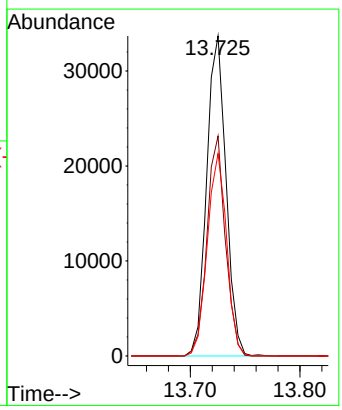


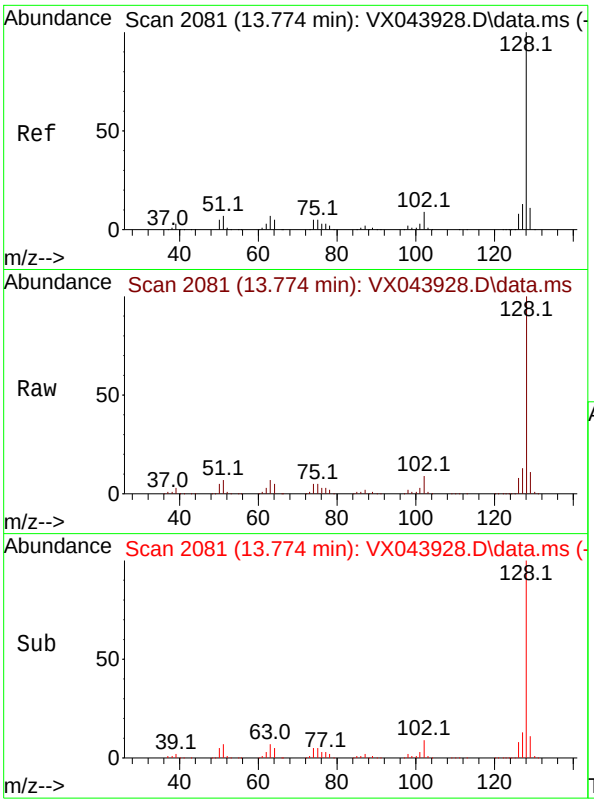


#94
Hexachlorobutadiene
Concen: 52.382 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:225 Resp: 41267

Ion	Ratio	Lower	Upper
225	100		
223	65.7	32.9	98.6
227	63.2	31.6	94.8



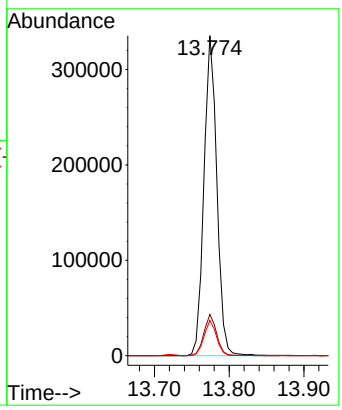


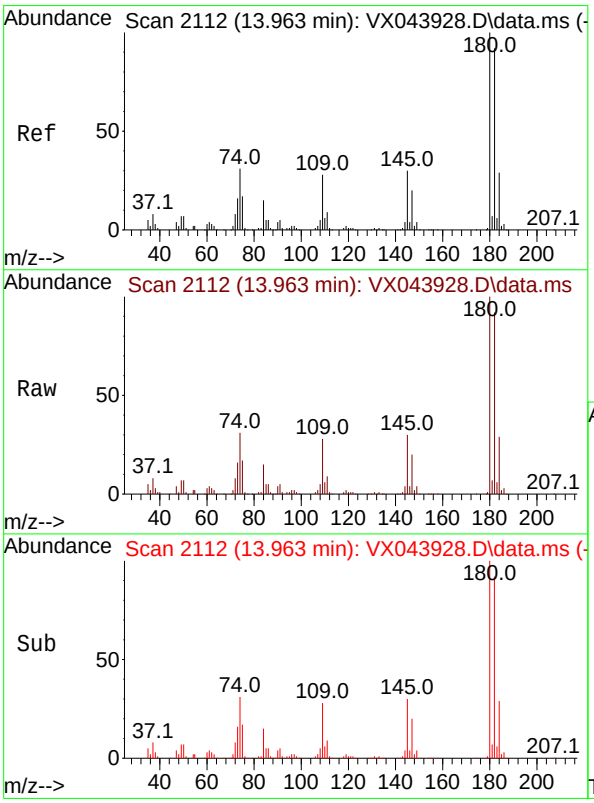
#95
Naphthalene
Concen: 55.990 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 401752

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.7	8.6	12.8

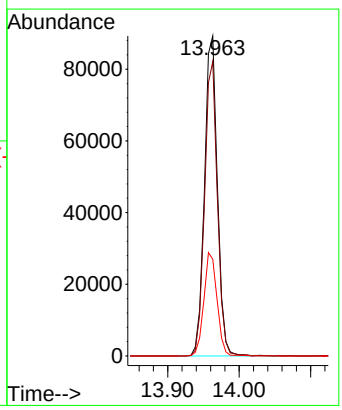




#96
1,2,3-Trichlorobenzene
Concen: 55.593 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:180 Resp: 112162

Ion	Ratio	Lower	Upper
180	100		
182	91.2	45.6	136.8
145	32.9	16.4	49.4



Quantitation Report (Not Reviewed)

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

Quant Time: Nov 22 03:31:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 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	99.704	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 199.400%#			
35) Dibromofluoromethane	5.379	113	176869	100.449	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 200.900%#			
50) Toluene-d8	8.647	98	607337	100.062	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 200.120%#			
62) 4-Bromofluorobenzene	11.079	95	215953	104.545	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 209.080%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	166145	94.820	ug/l	99
3) Chloromethane	1.295	50	183899	99.735	ug/l	100
4) Vinyl Chloride	1.374	62	192221	98.011	ug/l	98
5) Bromomethane	1.593	94	118792	98.459	ug/l	98
6) Chloroethane	1.660	64	101816	85.198	ug/l	99
7) Trichlorofluoromethane	1.868	101	354375	101.066	ug/l	100
8) Diethyl Ether	2.136	74	125840	98.466	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	162988	97.448	ug/l	99
10) Methyl Iodide	2.441	142	213858	102.378	ug/l	99
11) Tert butyl alcohol	3.002	59	184757	485.208	ug/l	99
12) 1,1-Dichloroethene	2.307	96	158111	99.205	ug/l	97
13) Acrolein	2.240	56	200929	500.625	ug/l	97
14) Allyl chloride	2.654	41	276068	106.008	ug/l	98
15) Acrylonitrile	3.069	53	458624	494.243	ug/l	98
16) Acetone	2.386	43	511112	469.087	ug/l	99
17) Carbon Disulfide	2.502	76	367958	111.925	ug/l	99
18) Methyl Acetate	2.703	43	247225	97.433	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	597600	103.267	ug/l	100
20) Methylene Chloride	2.782	84	178008	96.271	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	165989	100.875	ug/l	93
22) Diisopropyl ether	3.764	45	572855	102.872	ug/l	97
23) Vinyl Acetate	3.721	43	2570419	539.590	ug/l	100
24) 1,1-Dichloroethane	3.605	63	327756	102.025	ug/l	99
25) 2-Butanone	4.562	43	690992	491.491	ug/l	99
26) 2,2-Dichloropropane	4.471	77	299254	103.146	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	206207	101.381	ug/l	99
28) Bromochloromethane	4.898	49	138227	97.752	ug/l	97
29) Tetrahydrofuran	5.007	42	419743	486.991	ug/l	99
30) Chloroform	5.087	83	350923	101.565	ug/l	97
31) Cyclohexane	5.458	56	256114	96.865	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	309469	103.862	ug/l	99
36) 1,1-Dichloropropene	5.684	75	222573	101.439	ug/l	98
37) Ethyl Acetate	4.715	43	265631	97.527	ug/l	99
38) Carbon Tetrachloride	5.672	117	256290	103.953	ug/l	99
39) Methylcyclohexane	7.373	83	283075	99.308	ug/l	97
40) Benzene	6.032	78	684139	100.099	ug/l	99

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

Quant Time: Nov 22 03:31:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	143256	102.765	ug/l		97
42) 1,2-Dichloroethane	6.080	62	271641	98.961	ug/l		99
43) Isopropyl Acetate	6.342	43	440615	101.652	ug/l		100
44) Trichloroethene	7.123	130	169796	87.759	ug/l		94
45) 1,2-Dichloropropane	7.428	63	170741	101.998	ug/l		100
46) Dibromomethane	7.574	93	135928	102.651	ug/l		99
47) Bromodichloromethane	7.818	83	260442	109.665	ug/l		100
48) Methyl methacrylate	7.690	41	210614	101.262	ug/l		99
49) 1,4-Dioxane	7.665	88	62845	1752.518	ug/l		87
51) 4-Methyl-2-Pentanone	8.574	43	1329064	502.451	ug/l		100
52) Toluene	8.714	92	418999	102.426	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	270418	111.660	ug/l		99
54) cis-1,3-Dichloropropene	8.360	75	285627	107.584	ug/l		97
55) 1,1,2-Trichloroethane	9.147	97	167357	99.107	ug/l		97
56) Ethyl methacrylate	9.116	69	286893	109.076	ug/l		98
57) 1,3-Dichloropropane	9.305	76	285511	100.370	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	698756	489.972	ug/l		100
59) 2-Hexanone	9.433	43	1011261	508.639	ug/l		99
60) Dibromochloromethane	9.519	129	187476	110.653	ug/l		98
61) 1,2-Dibromoethane	9.610	107	176345	103.278	ug/l		100
64) Tetrachloroethene	9.269	164	135740	95.484	ug/l		96
65) Chlorobenzene	10.080	112	461076	97.374	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	164586	107.177	ug/l		99
67) Ethyl Benzene	10.189	91	812289	101.238	ug/l		99
68) m/p-Xylenes	10.299	106	603451	201.677	ug/l		100
69) o-Xylene	10.640	106	298739	102.257	ug/l		99
70) Styrene	10.653	104	511251	105.807	ug/l		99
71) Bromoform	10.799	173	123114	98.888	ug/l	#	100
73) Isopropylbenzene	10.957	105	765623	95.726	ug/l		100
74) N-amyl acetate	10.842	43	394438	106.458	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.213	83	262302	95.779	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	297947	132.787	ug/l		82
77) Bromobenzene	11.195	156	183742	96.304	ug/l		100
78) n-propylbenzene	11.305	91	891893	99.846	ug/l		99
79) 2-Chlorotoluene	11.360	91	537190	95.103	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	648916	98.618	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	88041	105.289	ug/l		98
82) 4-Chlorotoluene	11.451	91	629590	98.728	ug/l		100
83) tert-Butylbenzene	11.713	119	655918	100.570	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	650156	99.244	ug/l		100
85) sec-Butylbenzene	11.890	105	793233	99.267	ug/l		99
86) p-Isopropyltoluene	12.006	119	669819	103.194	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	337665	97.171	ug/l		100
88) 1,4-Dichlorobenzene	12.043	146	343312	97.283	ug/l		98
89) n-Butylbenzene	12.329	91	605284	105.767	ug/l		99
90) Hexachloroethane	12.536	117	120913	109.549	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	341767	97.457	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	57287	104.396	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	210571	101.849	ug/l		99
94) Hexachlorobutadiene	13.725	225	79822	97.688	ug/l		98
95) Naphthalene	13.774	128	776740	104.367	ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	211814	101.219	ug/l		95

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

Quant Time: Nov 22 03:31:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

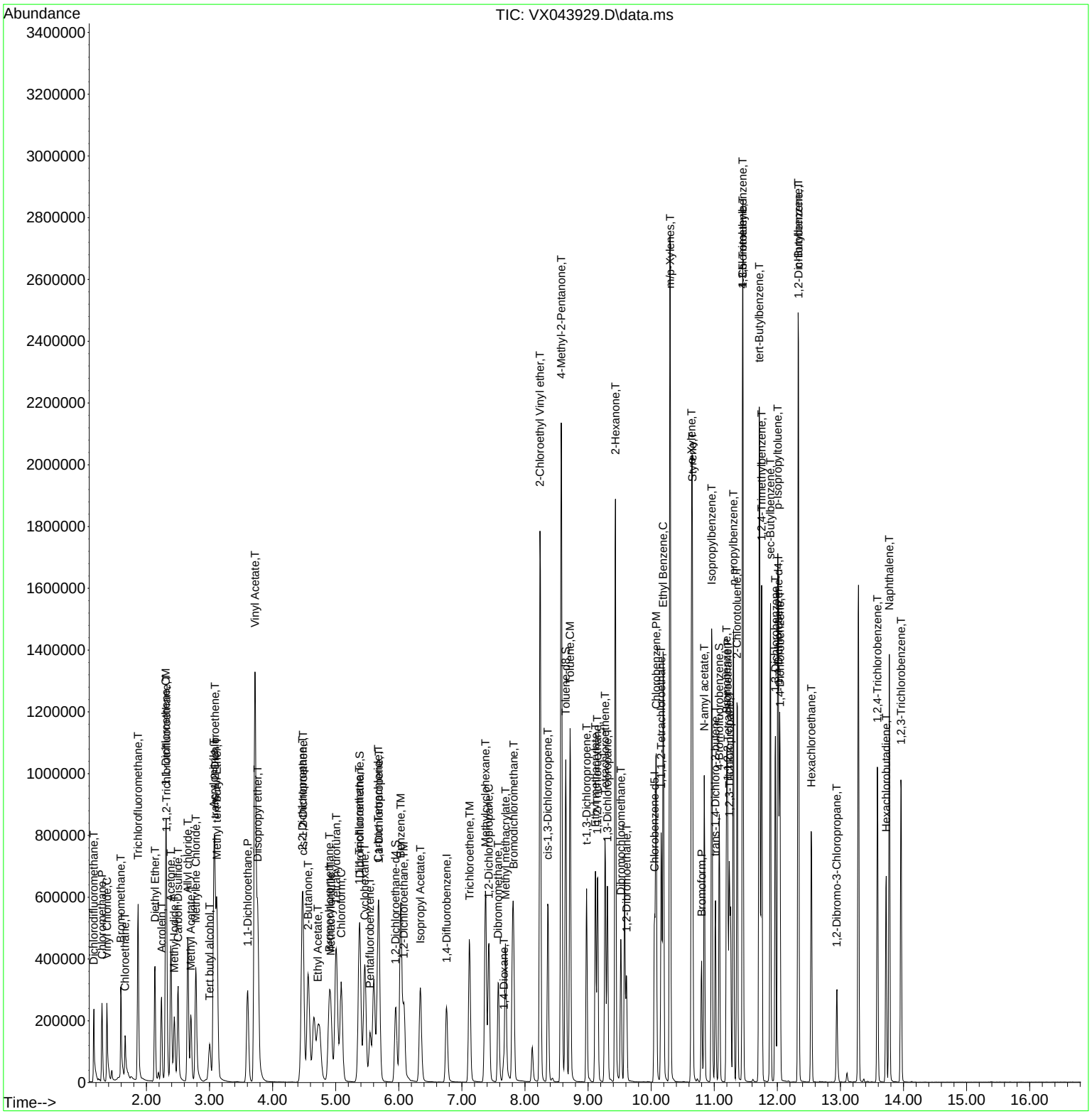
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

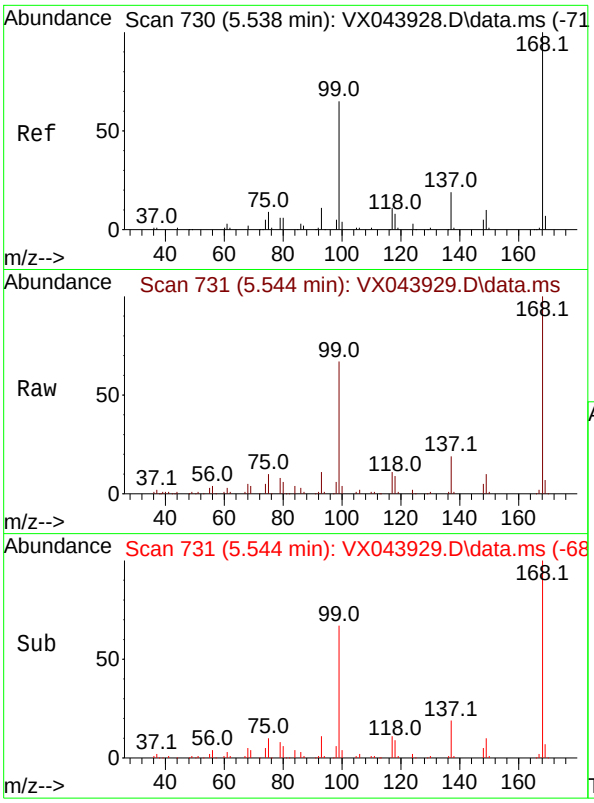
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\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

Quant Time: Nov 22 03:31:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration



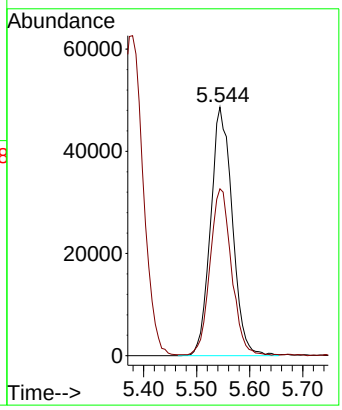


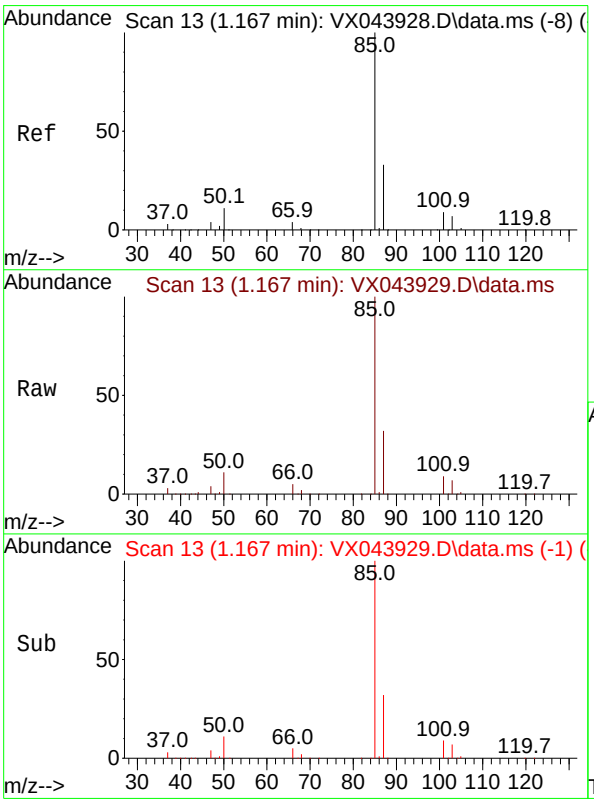
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 138314

Ion	Ratio	Lower	Upper
168	100		
99	66.7	51.8	77.8

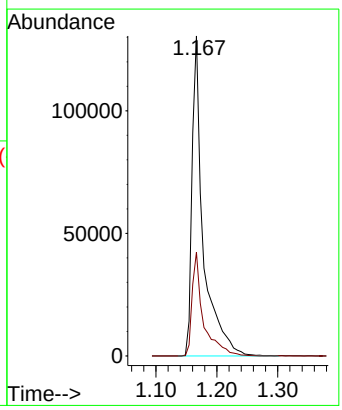


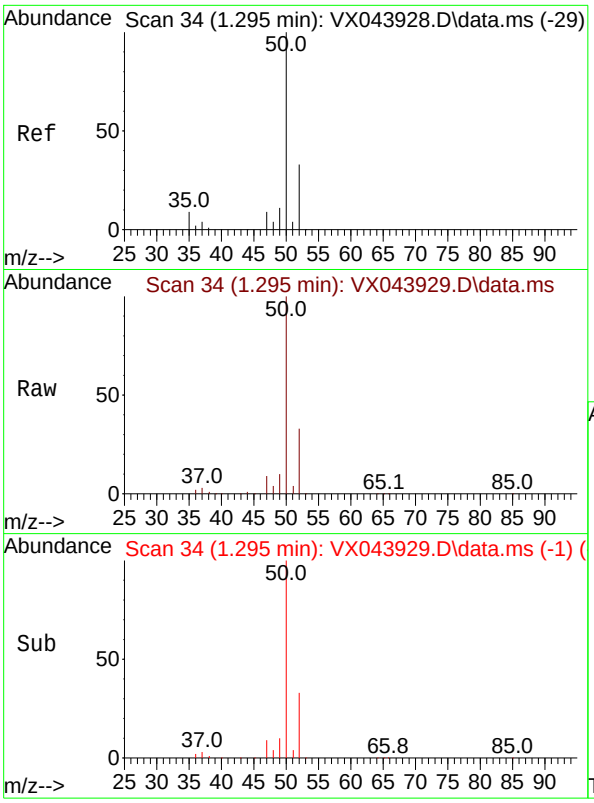


#2
Dichlorodifluoromethane
Concen: 94.820 ug/l
RT: 1.167 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 85 Resp: 166145

Ion	Ratio	Lower	Upper
85	100		
87	32.5	16.6	49.8



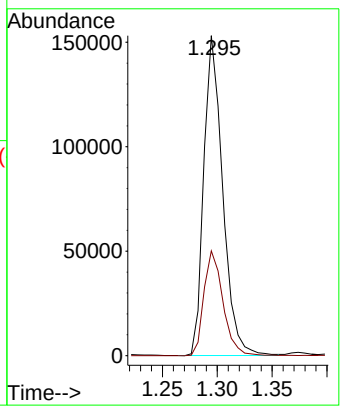


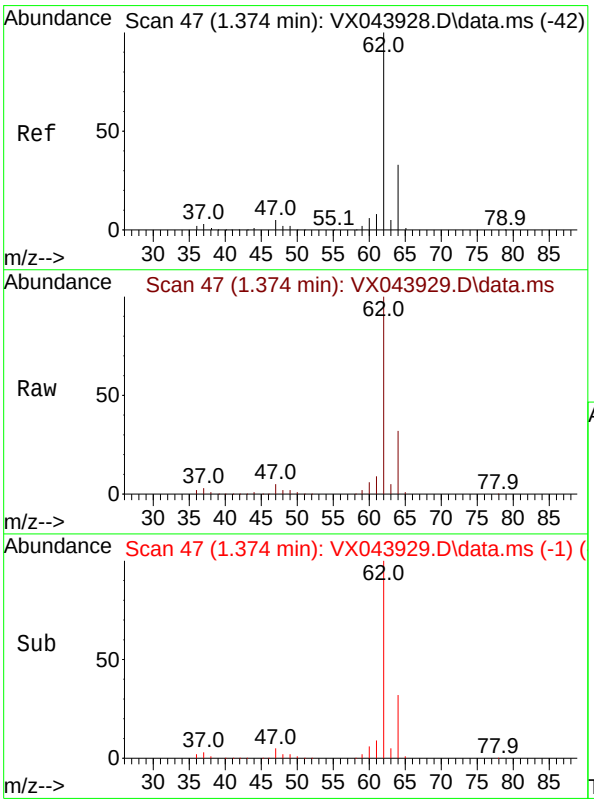
#3
Chloromethane
Concen: 99.735 ug/l
RT: 1.295 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 183899

Ion	Ratio	Lower	Upper
50	100		
52	32.8	26.1	39.1

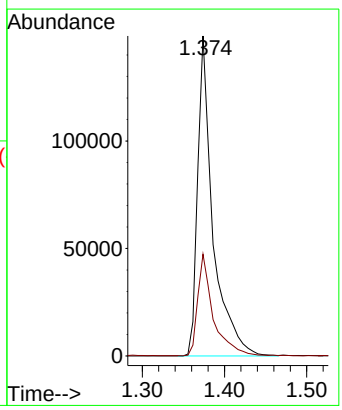


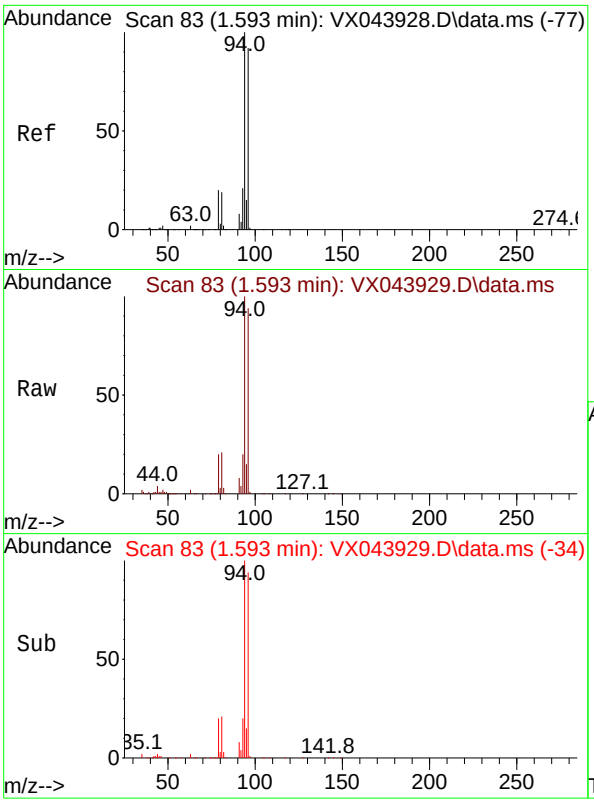


#4
Vinyl Chloride
Concen: 98.011 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 62 Resp: 192221

Ion	Ratio	Lower	Upper
62	100		
64	31.7	26.2	39.4



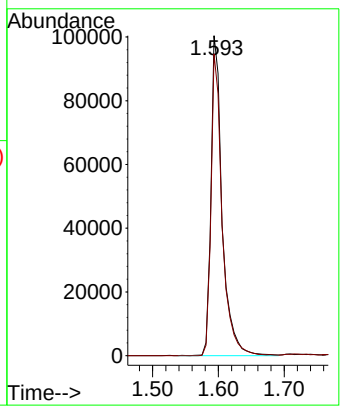


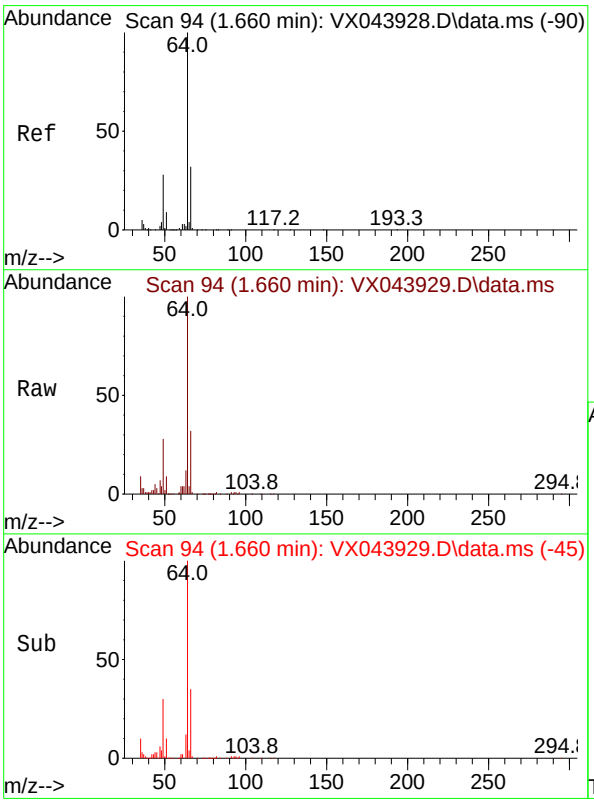
#5
Bromomethane
Concen: 98.459 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 118792

Ion	Ratio	Lower	Upper
94	100		
96	94.3	73.9	110.9

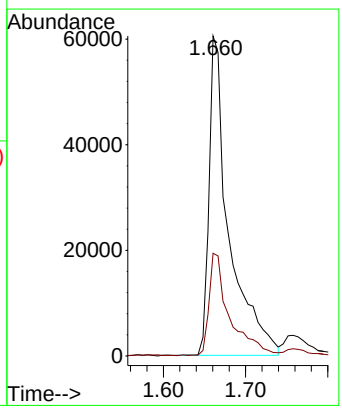


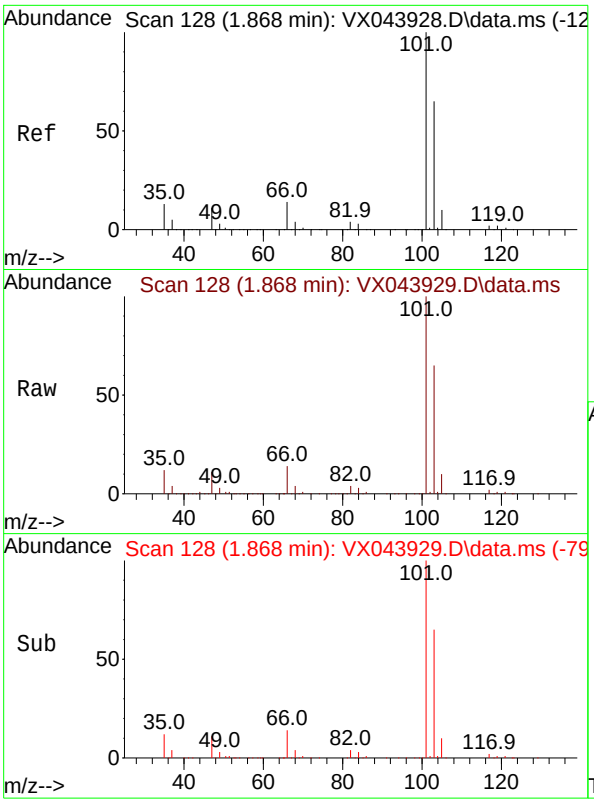


#6
Chloroethane
Concen: 85.198 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 64 Resp: 101816

Ion	Ratio	Lower	Upper
64	100		
66	32.0	25.9	38.9



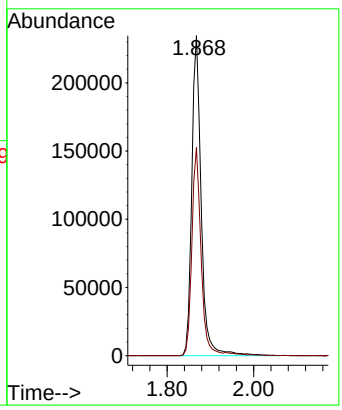


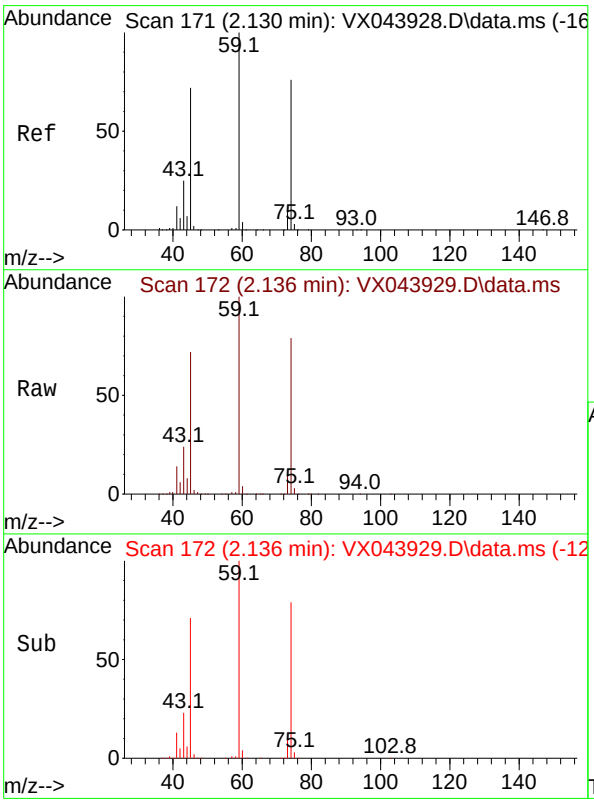
#7
Trichlorofluoromethane
Concen: 101.066 ug/l
RT: 1.868 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 354375

Ion	Ratio	Lower	Upper
101	100		
103	65.0	52.2	78.2

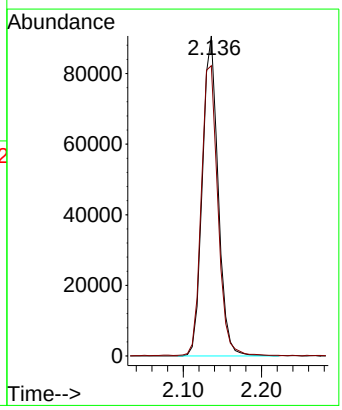


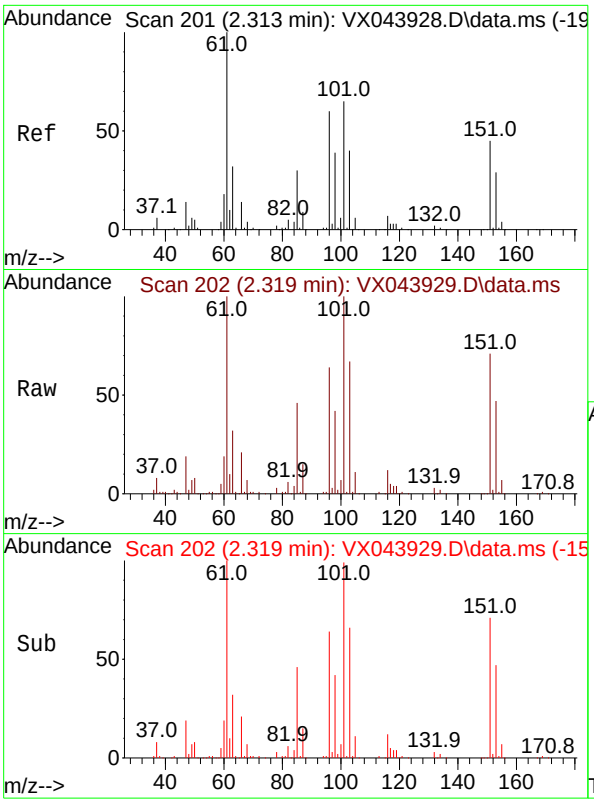


#8
Diethyl Ether
Concen: 98.466 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 74 Resp: 125840

Ion	Ratio	Lower	Upper
74	100		
45	95.5	47.9	143.6



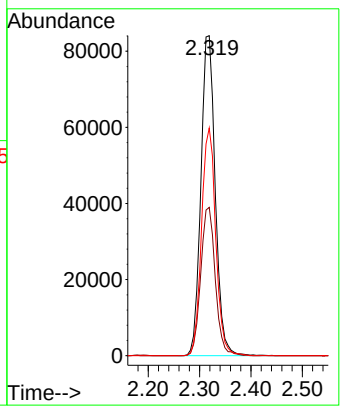


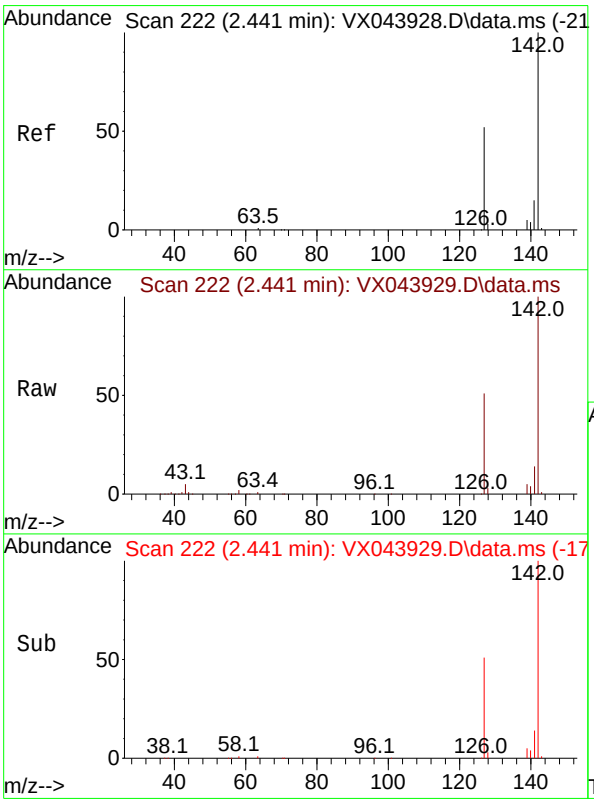
#9
1,1,2-Trichlorotrifluoroethane
Concen: 97.448 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 162988

Ion	Ratio	Lower	Upper
101	100		
85	47.0	37.9	56.9
151	70.5	57.5	86.3

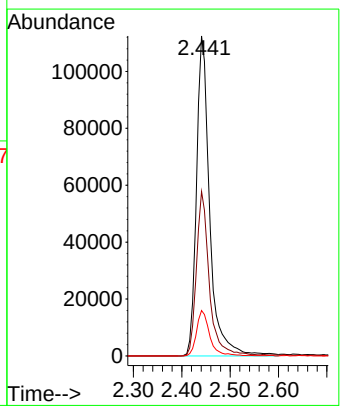


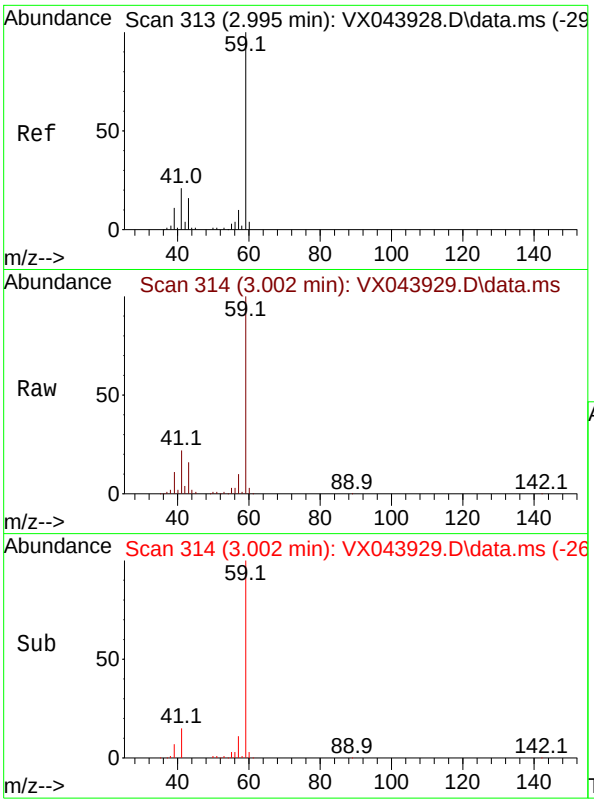


#10
Methyl Iodide
Concen: 102.378 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:142 Resp: 213858

Ion	Ratio	Lower	Upper
142	100		
127	50.0	40.7	61.1
141	14.1	12.0	18.0



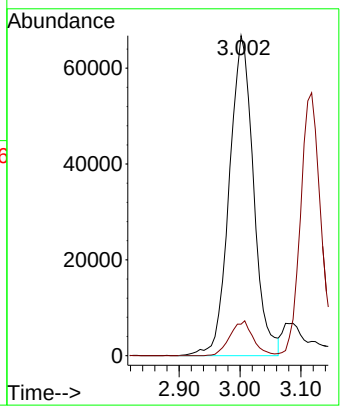


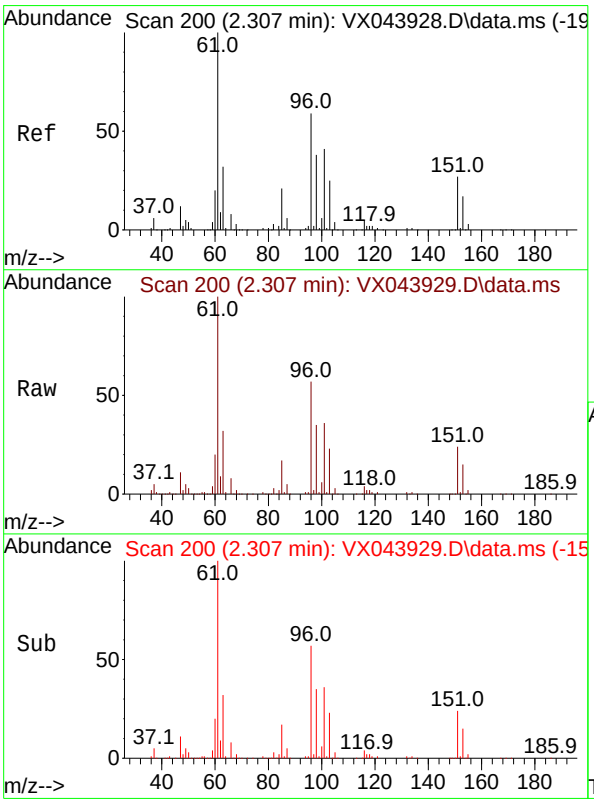
#11
Tert butyl alcohol
Concen: 485.208 ug/l
RT: 3.002 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 59 Resp: 184757

Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.9	11.9

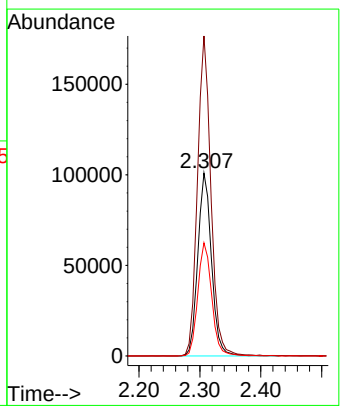


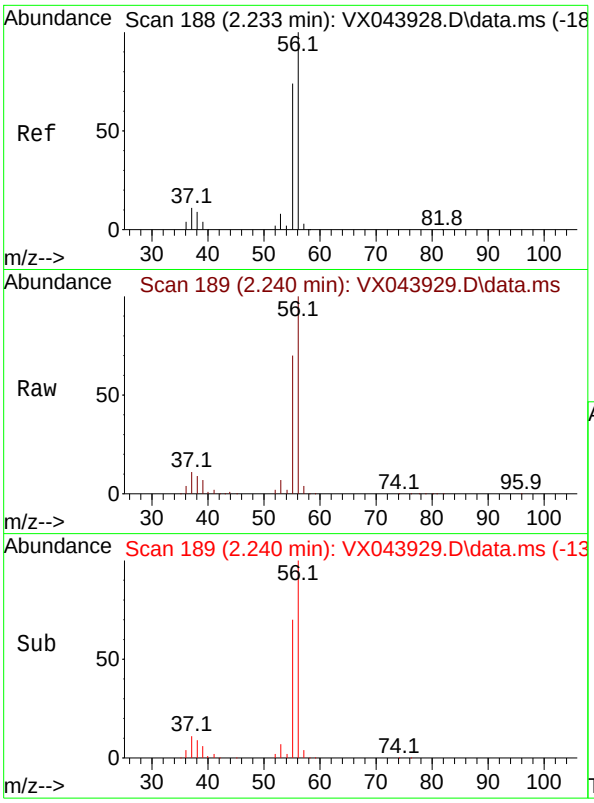


#12
1,1-Dichloroethene
Concen: 99.205 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 96 Resp: 158111

Ion	Ratio	Lower	Upper
96	100		
61	174.9	135.5	203.3
98	61.9	50.8	76.2



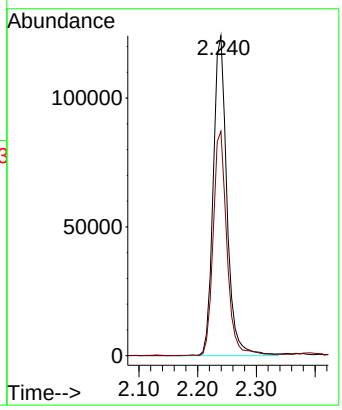


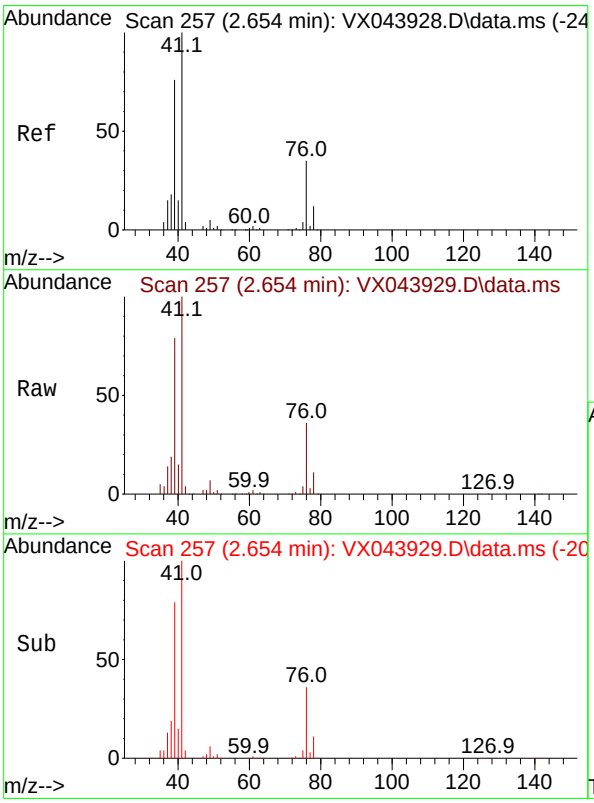
#13
Acrolein
Concen: 500.625 ug/l
RT: 2.240 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 200929

Ion	Ratio	Lower	Upper
56	100		
55	70.5	58.2	87.2

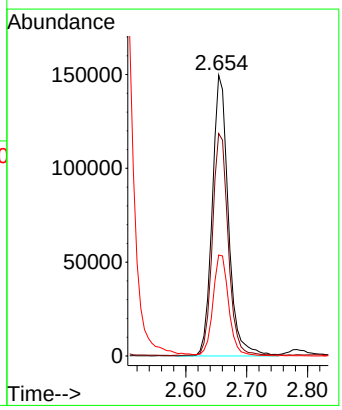


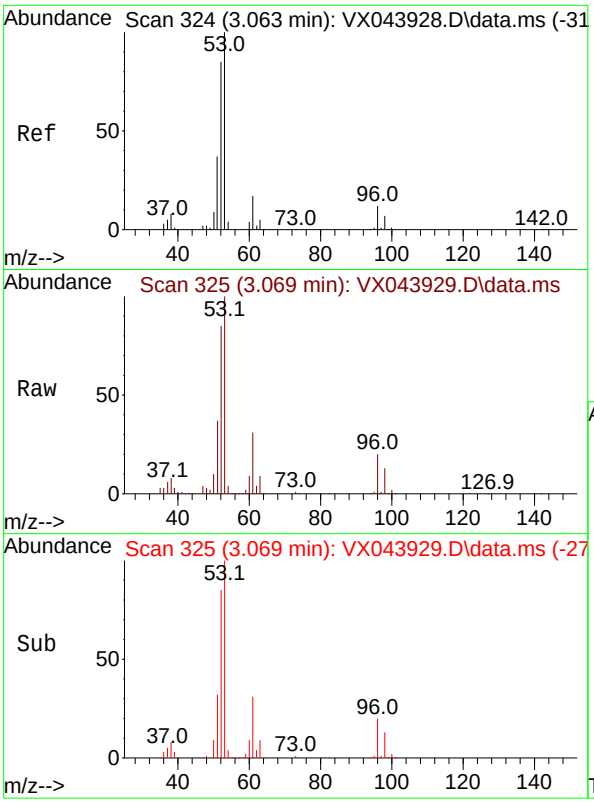


#14
Allyl chloride
Concen: 106.008 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 41 Resp: 276068

Ion	Ratio	Lower	Upper
41	100		
39	76.5	59.5	89.3
76	34.8	27.4	41.2



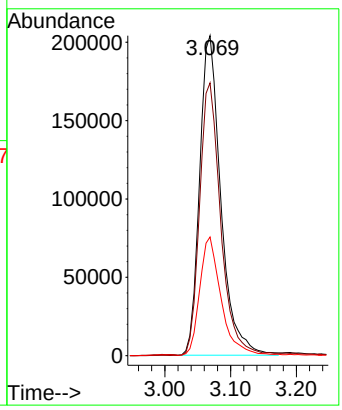


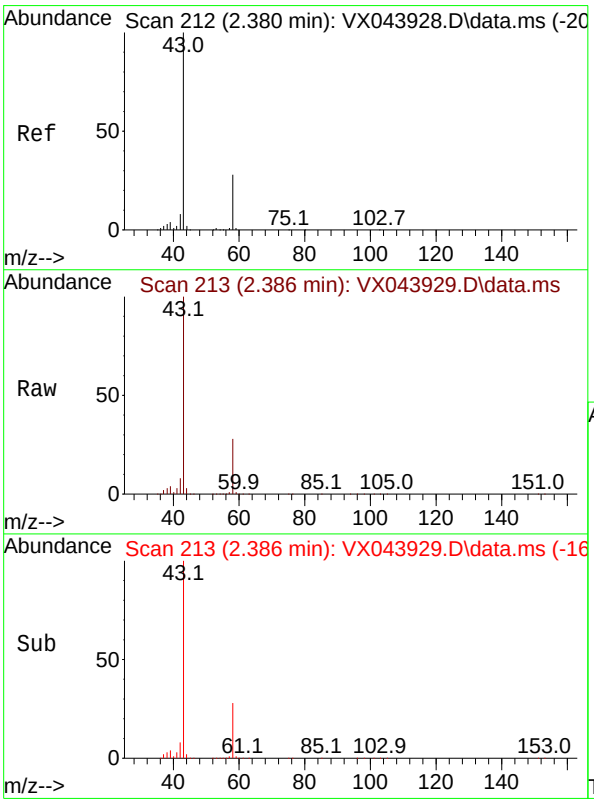
#15
Acrylonitrile
Concen: 494.243 ug/l
RT: 3.069 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 53 Resp: 458624

Ion	Ratio	Lower	Upper
53	100		
52	85.0	66.5	99.7
51	37.0	30.2	45.4

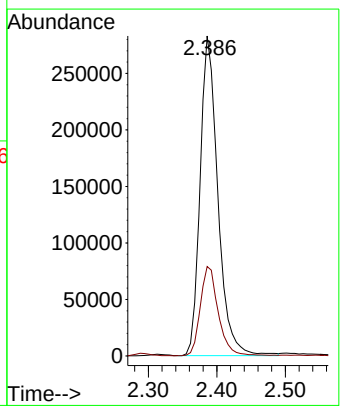


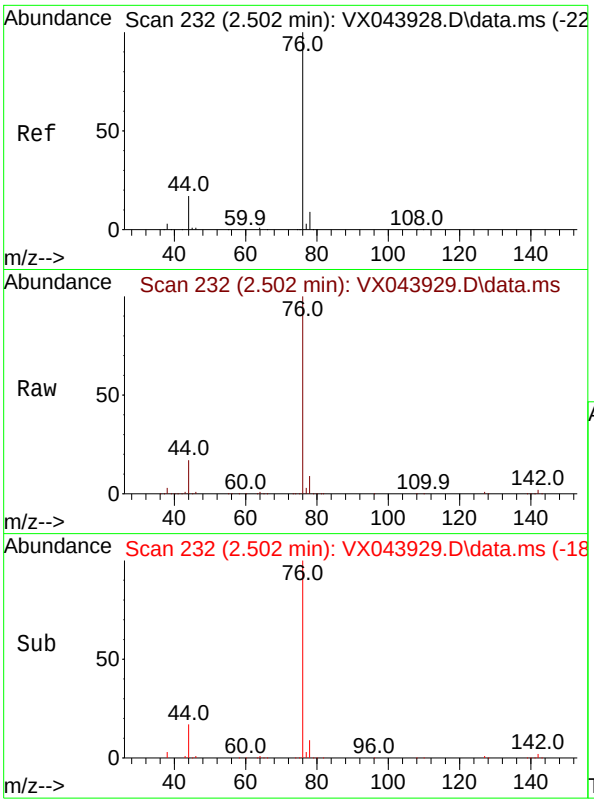


#16
Acetone
Concen: 469.087 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 43 Resp: 511112

Ion	Ratio	Lower	Upper
43	100		
58	27.9	22.7	34.1



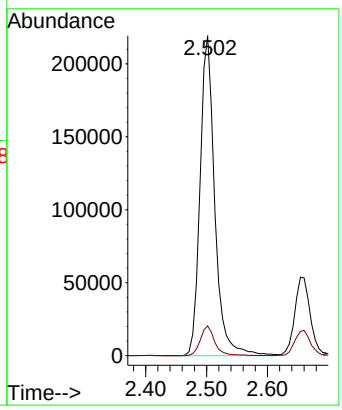


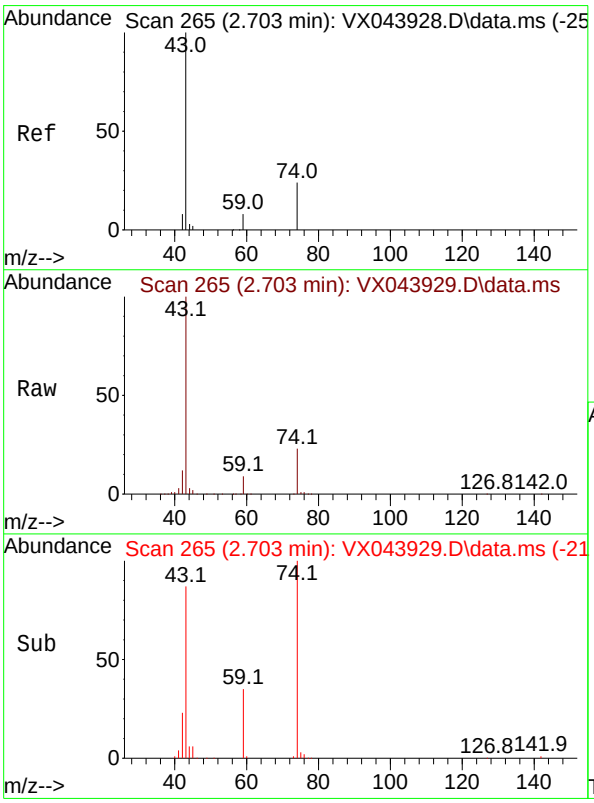
#17
Carbon Disulfide
Concen: 111.925 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 367958

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.0	10.6

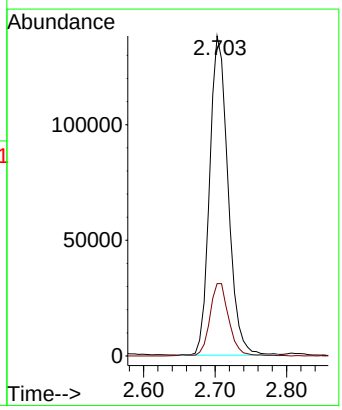


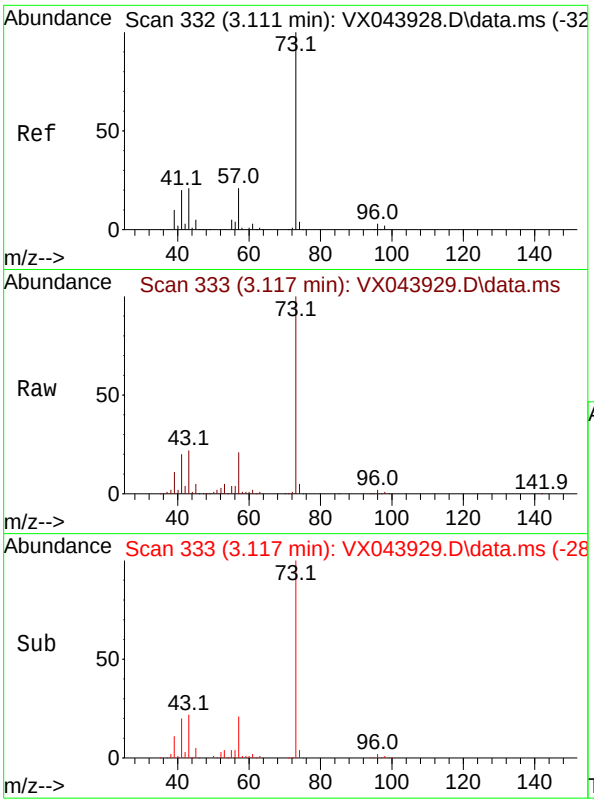


#18
Methyl Acetate
Concen: 97.433 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 43 Resp: 247225

Ion	Ratio	Lower	Upper
43	100		
74	23.3	18.9	28.3



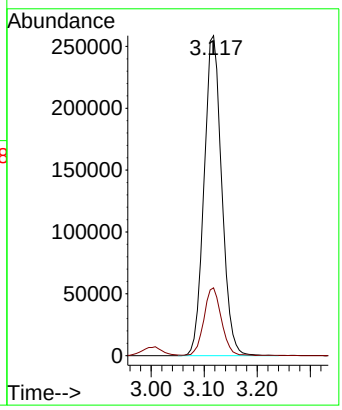


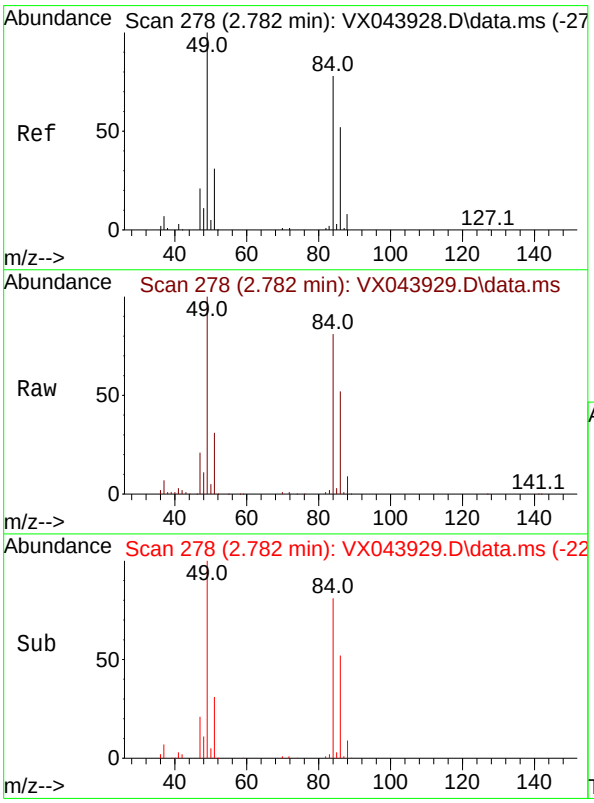
#19
Methyl tert-butyl Ether
Concen: 103.267 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 73 Resp: 597600

Ion	Ratio	Lower	Upper
73	100		
57	21.1	17.0	25.6

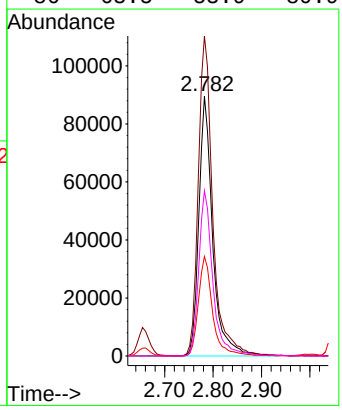


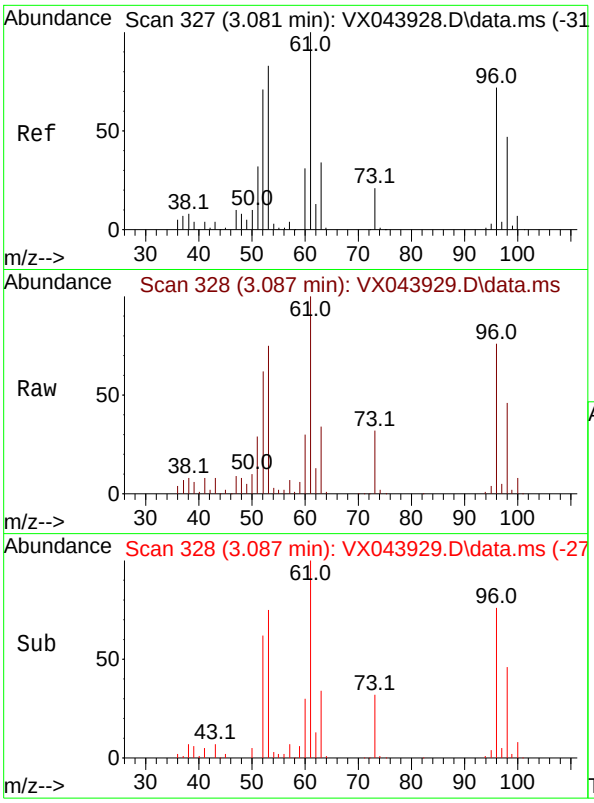


#20
Methylene Chloride
Concen: 96.271 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 84 Resp: 178008

Ion	Ratio	Lower	Upper
84	100		
49	123.1	102.7	154.1
51	38.3	31.7	47.5
86	63.5	53.9	80.9



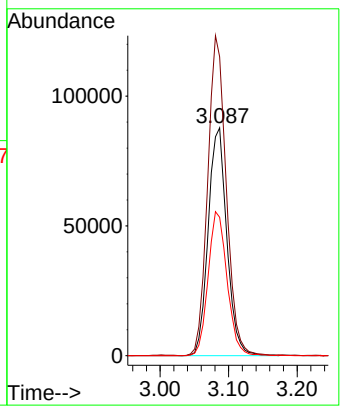


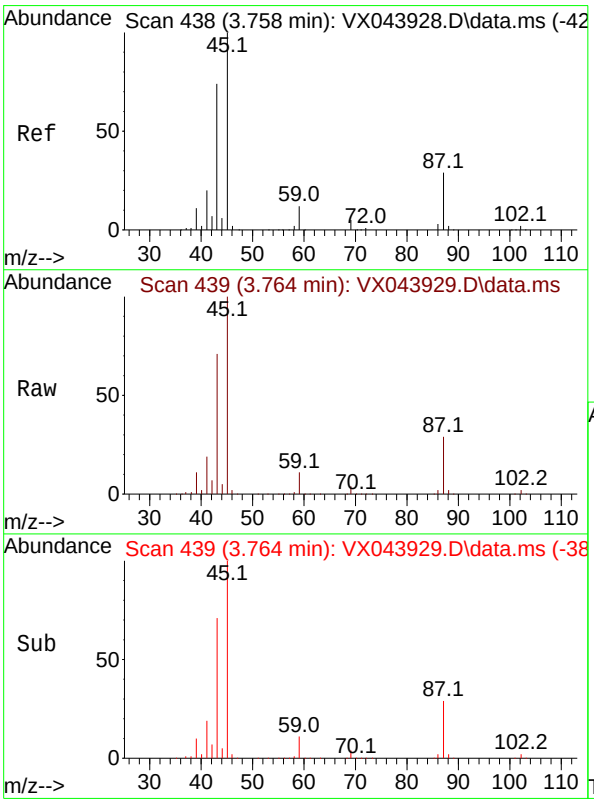
#21
trans-1,2-Dichloroethene
Concen: 100.875 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 165989

Ion	Ratio	Lower	Upper
96	100		
61	131.1	111.8	167.6
98	60.7	52.7	79.1

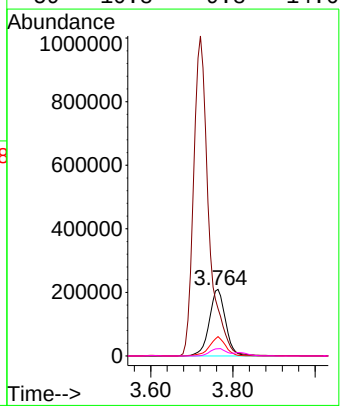


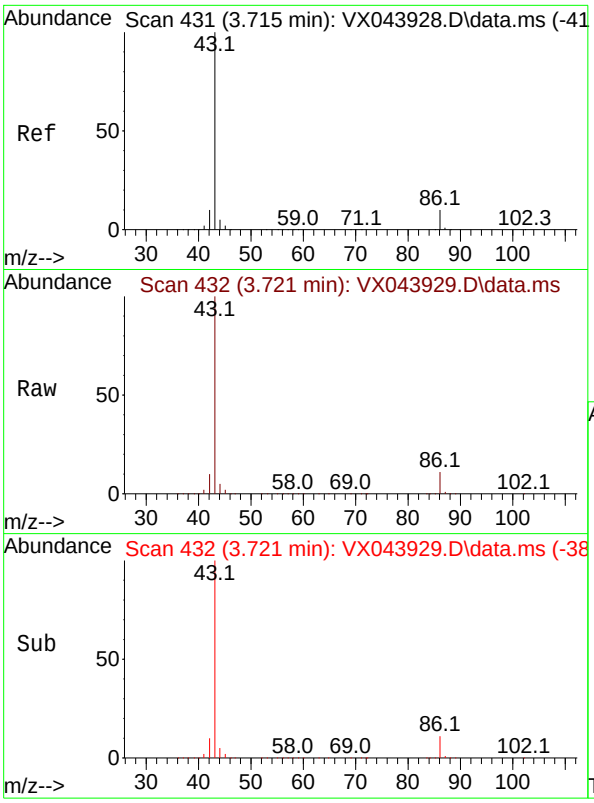


#22
Diisopropyl ether
Concen: 102.872 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 45 Resp: 572855

Ion	Ratio	Lower	Upper
45	100		
43	71.1	59.6	89.4
87	29.1	22.9	34.3
59	10.8	9.8	14.6



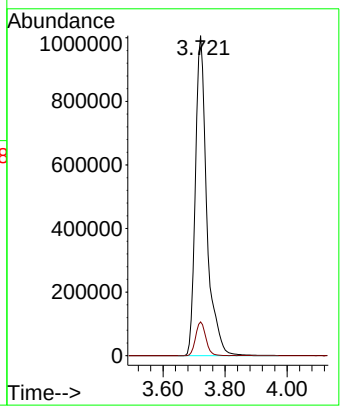


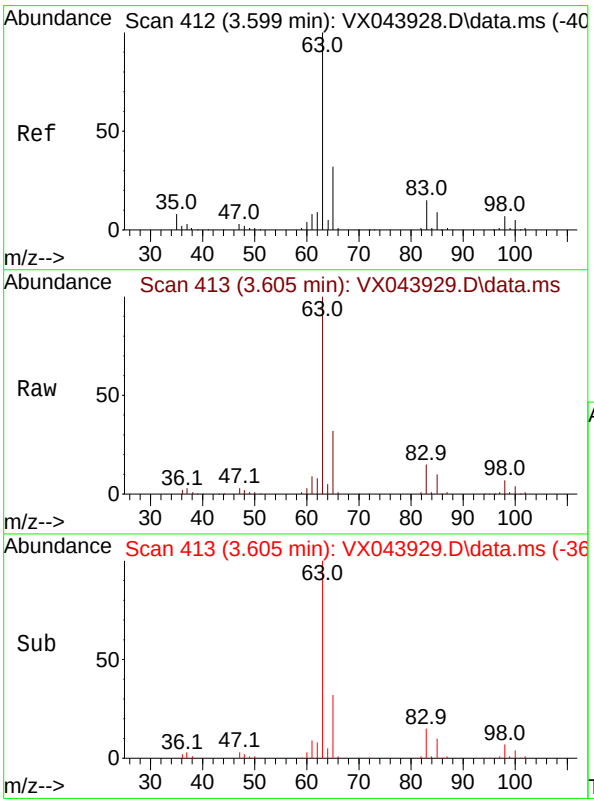
#23
Vinyl Acetate
Concen: 539.590 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 2570419

Ion	Ratio	Lower	Upper
43	100		
86	10.6	8.3	12.5

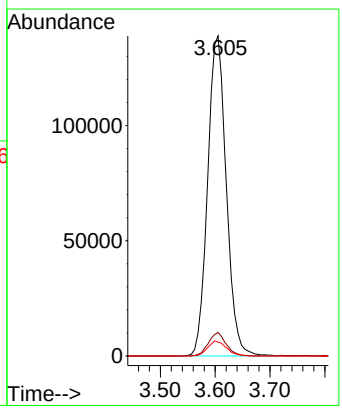


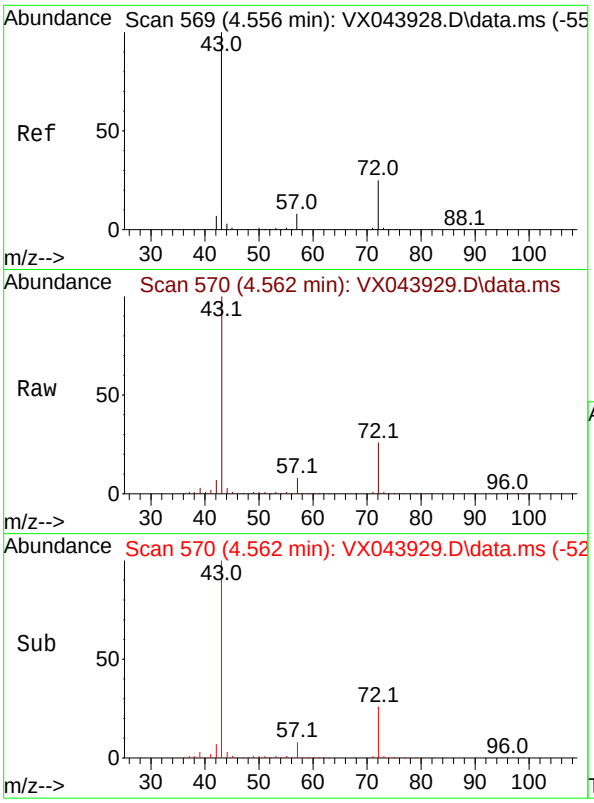


#24
1,1-Dichloroethane
Concen: 102.025 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 63 Resp: 327756

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.5	10.6
100	4.3	2.4	7.1



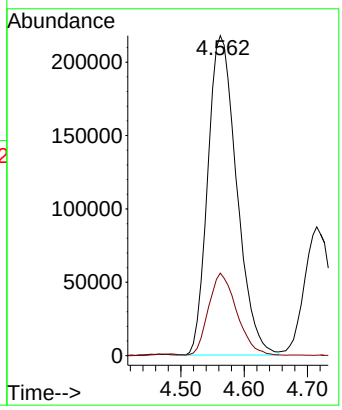


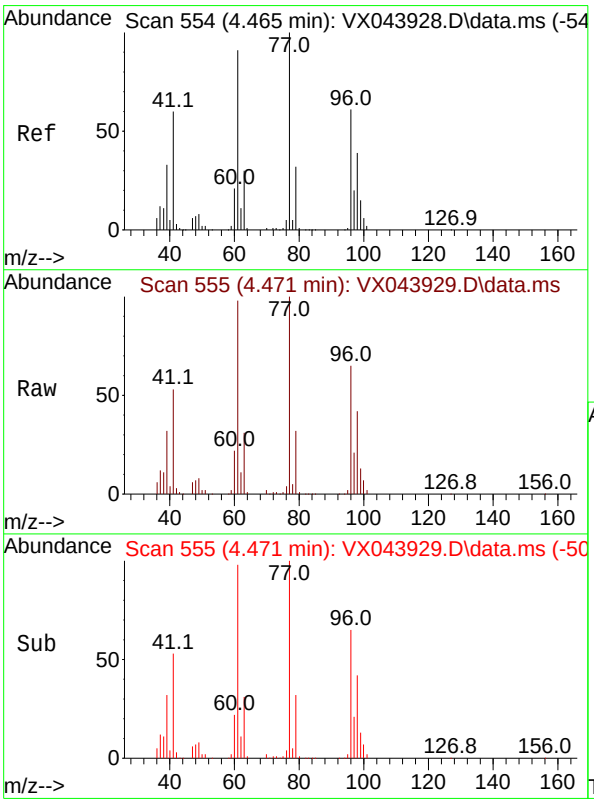
#25
2-Butanone
Concen: 491.491 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 690992

Ion	Ratio	Lower	Upper
43	100		
72	25.6	20.2	30.2

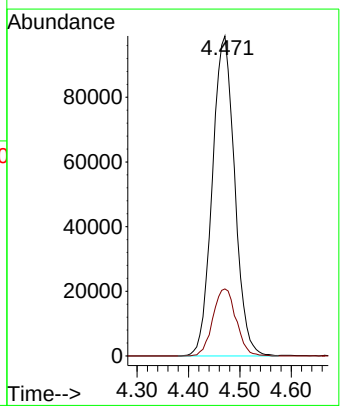


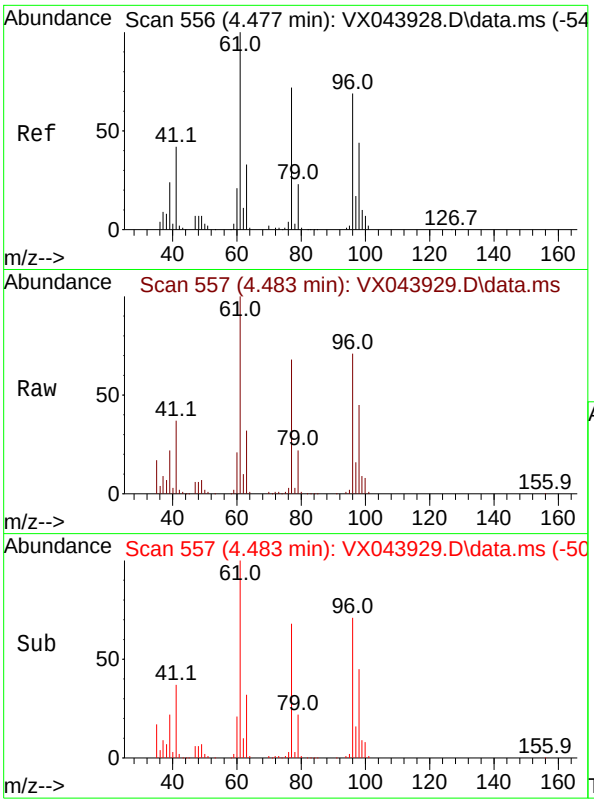


#26
2,2-Dichloropropane
Concen: 103.146 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 77 Resp: 299254

Ion	Ratio	Lower	Upper
77	100		
97	21.8	10.8	32.3



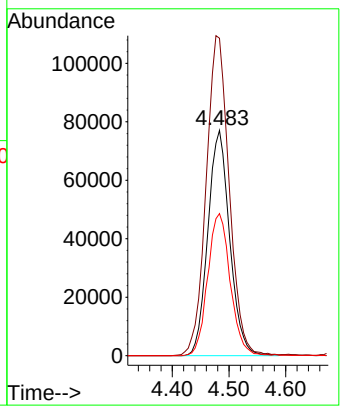


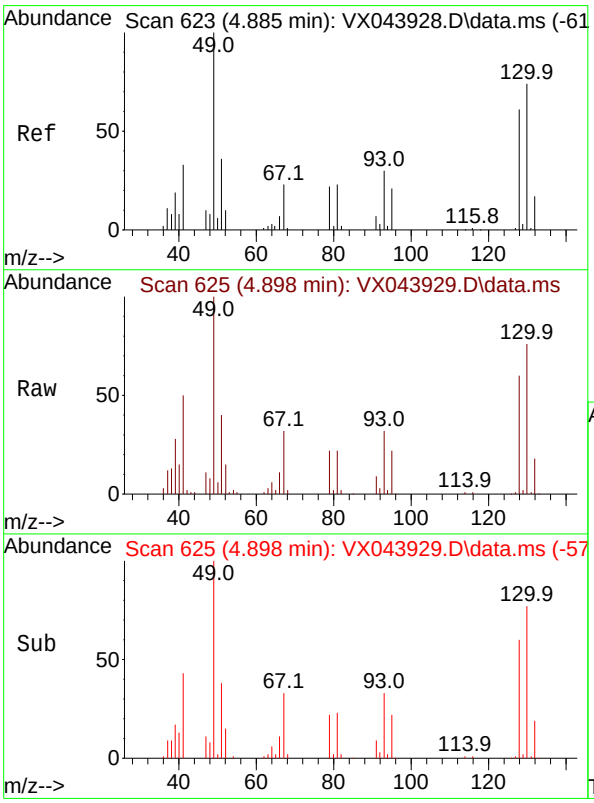
#27
cis-1,2-Dichloroethene
Concen: 101.381 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 206207

Ion	Ratio	Lower	Upper
96	100		
61	150.0	0.0	297.4
98	65.1	0.0	127.8

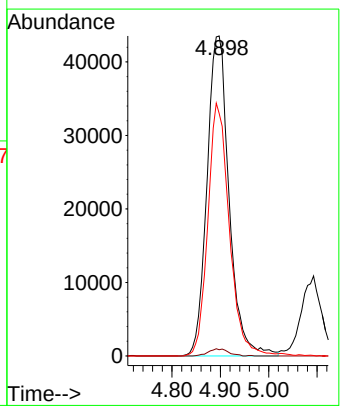


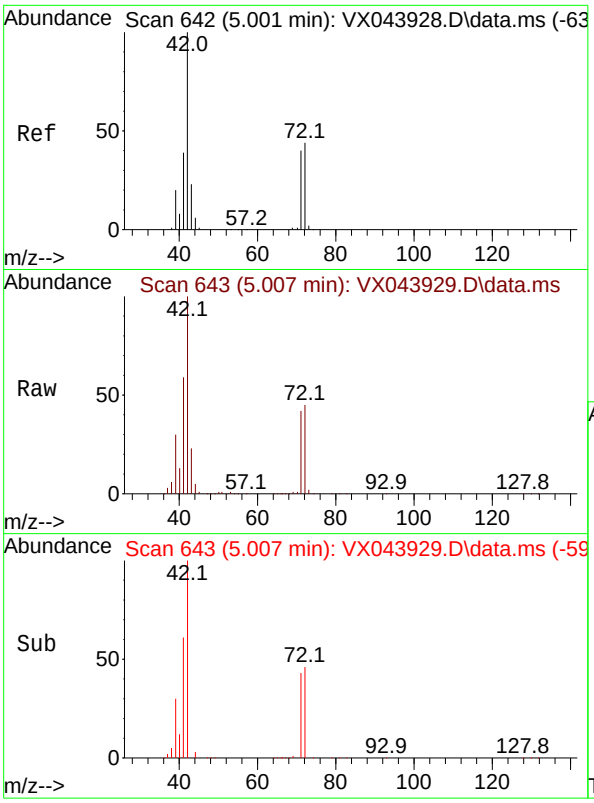


#28
Bromochloromethane
Concen: 97.752 ug/l
RT: 4.898 min Scan# 625
Delta R.T. 0.012 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 49 Resp: 138227

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	76.5	59.0	88.6



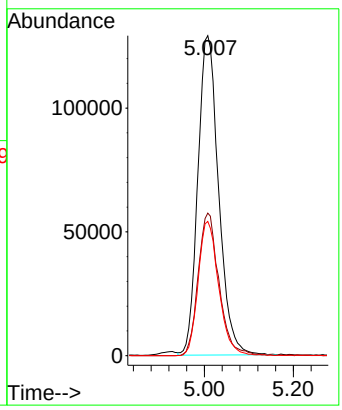


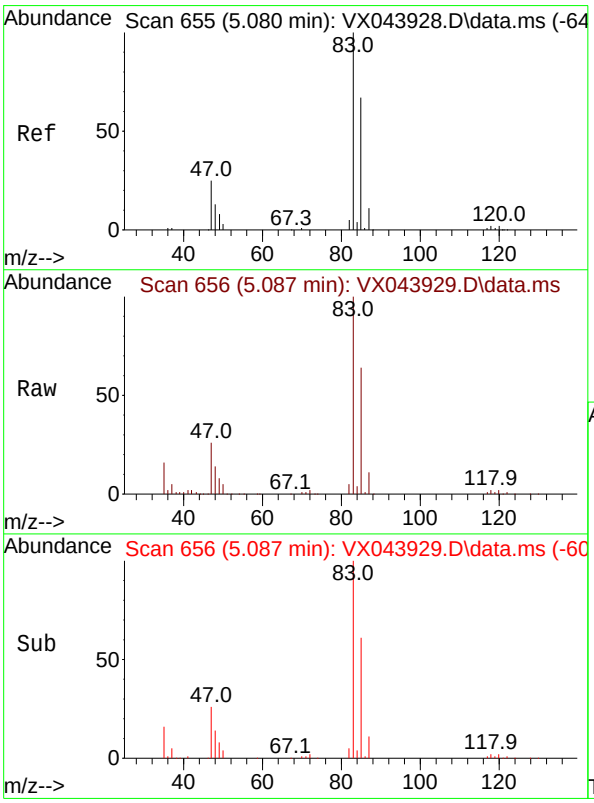
#29
Tetrahydrofuran
Concen: 486.991 ug/l
RT: 5.007 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 42 Resp: 419743

Ion	Ratio	Lower	Upper
42	100		
72	44.9	36.4	54.6
71	41.6	33.4	50.0

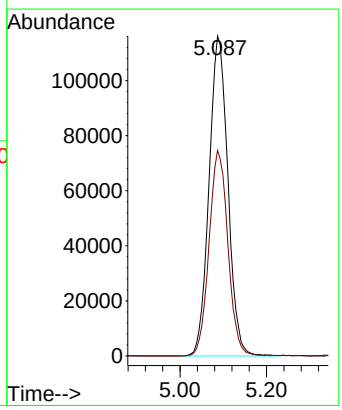


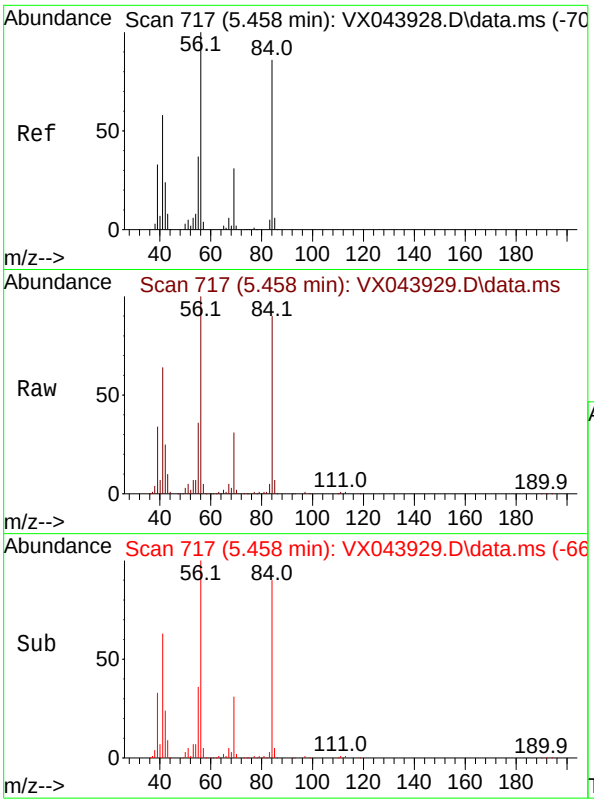


#30
Chloroform
Concen: 101.565 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 83 Resp: 350923

Ion	Ratio	Lower	Upper
83	100		
85	64.3	53.5	80.3



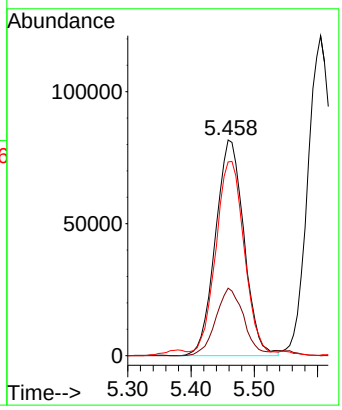


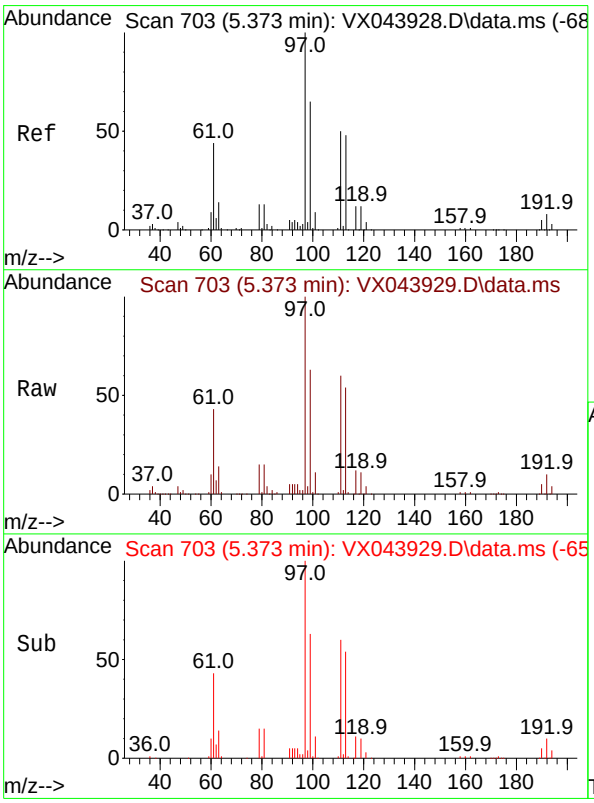
#31
Cyclohexane
Concen: 96.865 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 256114

Ion	Ratio	Lower	Upper
56	100		
69	31.3	24.7	37.1
84	88.2	68.7	103.1

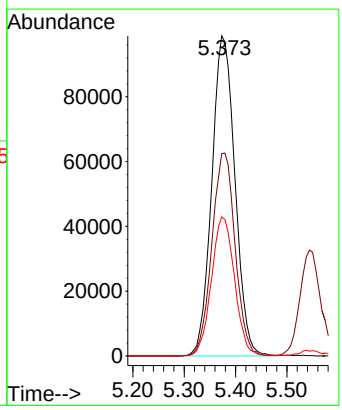


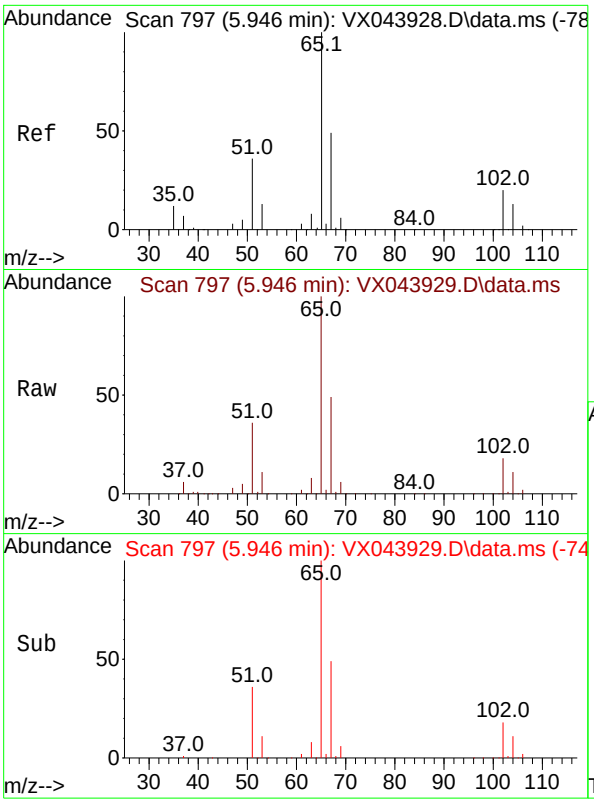


#32
1,1,1-Trichloroethane
Concen: 103.862 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 97 Resp: 309469

Ion	Ratio	Lower	Upper
97	100		
99	63.6	50.8	76.2
61	43.4	35.4	53.2



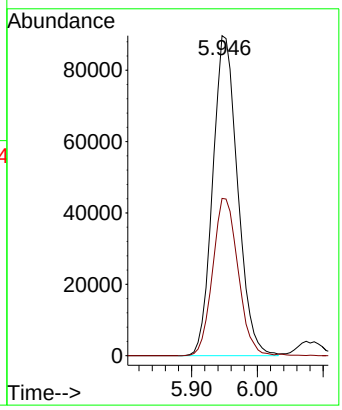


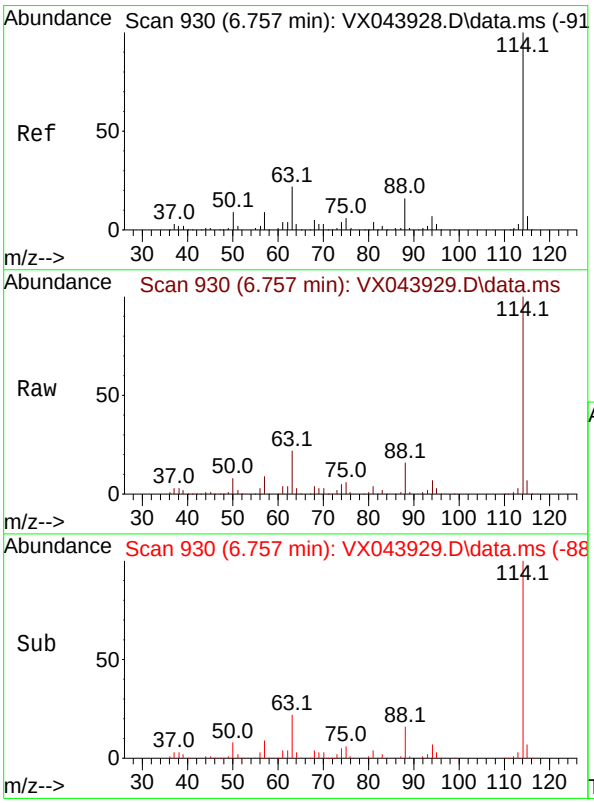
#33
1,2-Dichloroethane-d4
Concen: 99.704 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 65 Resp: 236531

Ion	Ratio	Lower	Upper
65	100		
67	50.0	0.0	100.8

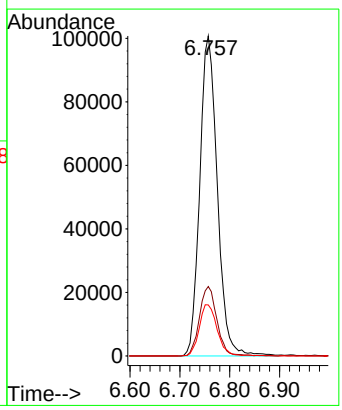


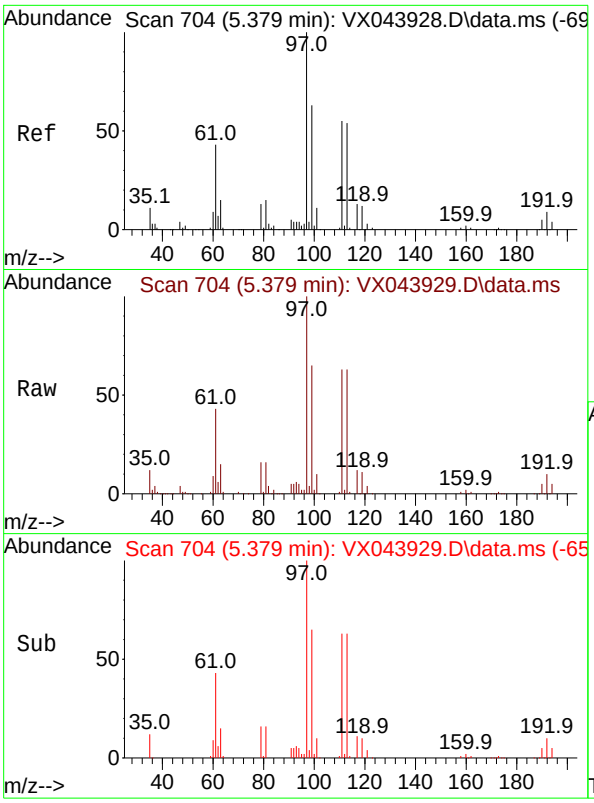


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:114 Resp: 246419

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	44.0
88	15.9	0.0	32.4



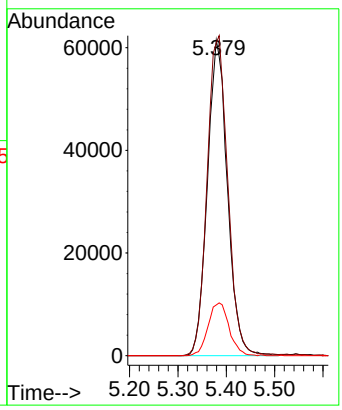


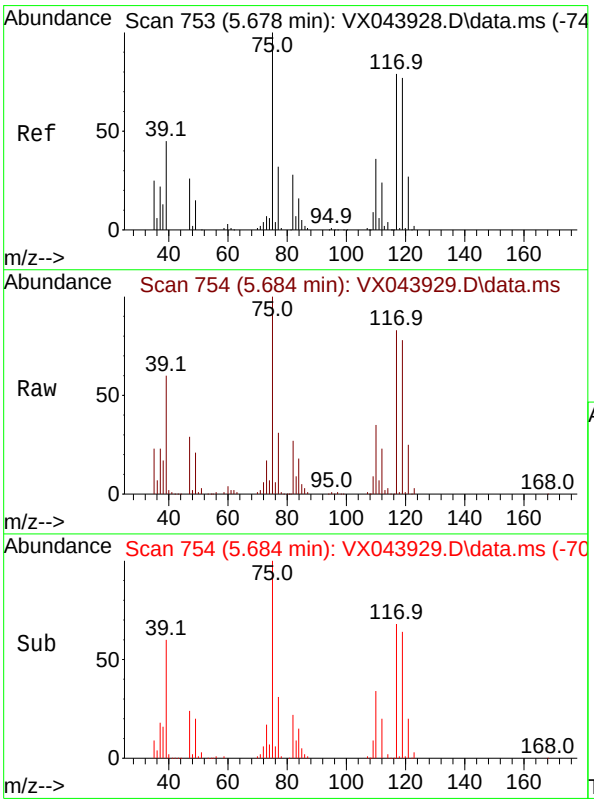
#35
Dibromofluoromethane
Concen: 100.449 ug/l
RT: 5.379 min Scan# 7(
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:113 Resp: 176869

Ion	Ratio	Lower	Upper
113	100		
111	104.6	81.0	121.4
192	17.6	13.0	19.6

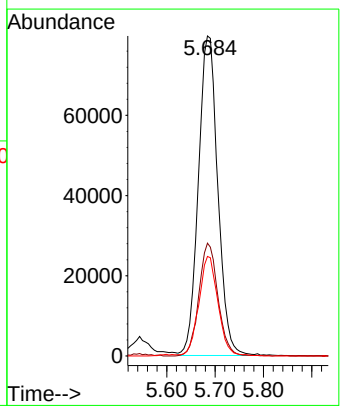


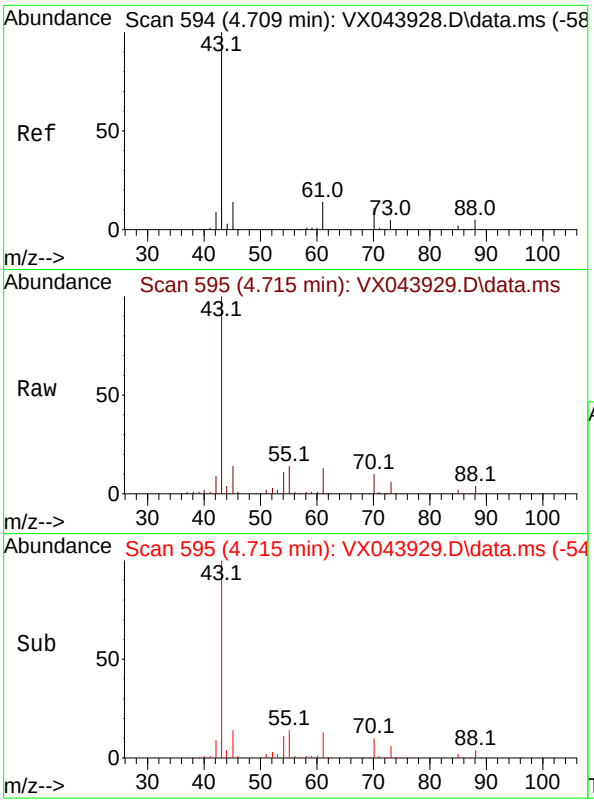


#36
1,1-Dichloropropene
Concen: 101.439 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 75 Resp: 222573

Ion	Ratio	Lower	Upper
75	100		
110	34.6	17.4	52.2
77	30.8	25.8	38.8



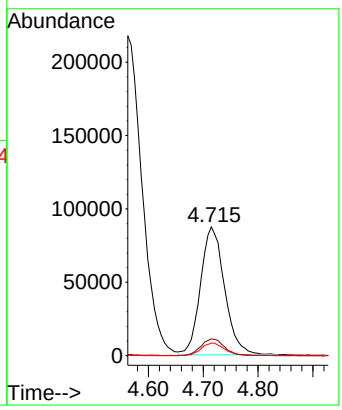


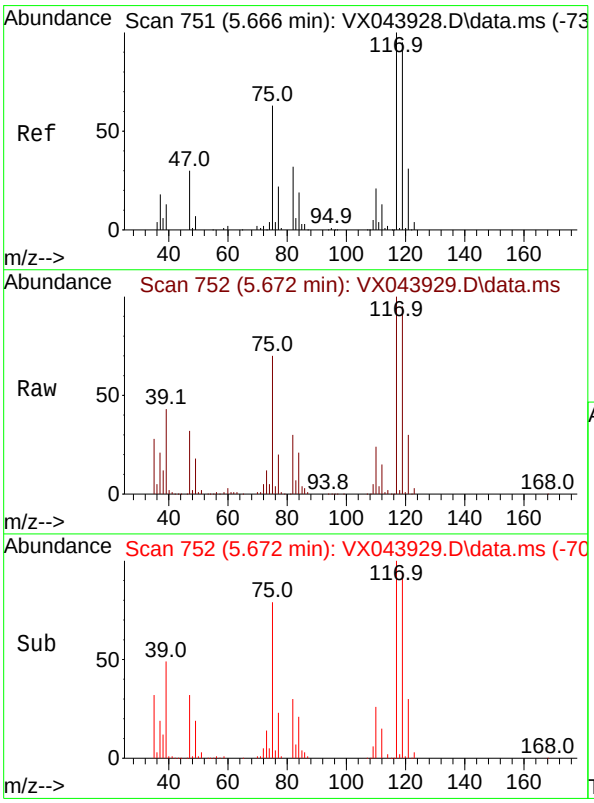
#37
Ethyl Acetate
Concen: 97.527 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 265631

Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.7	16.1
70	9.6	8.0	12.0

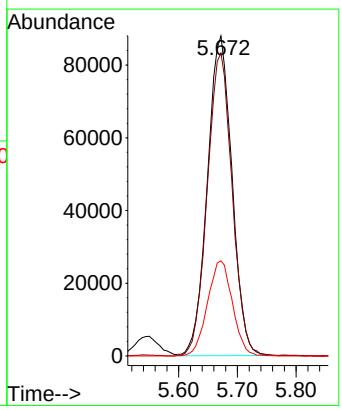


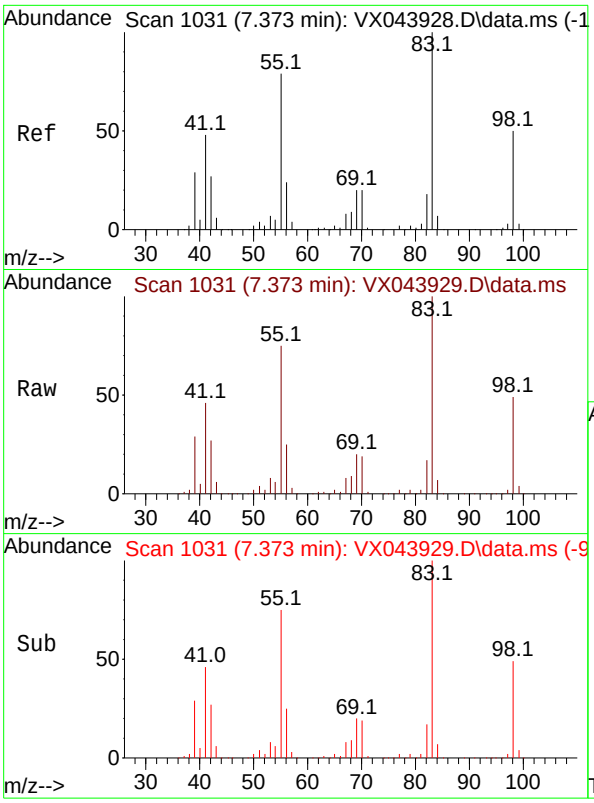


#38
Carbon Tetrachloride
Concen: 103.953 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:117 Resp: 256290

Ion	Ratio	Lower	Upper
117	100		
119	94.7	75.2	112.8
121	29.8	24.5	36.7



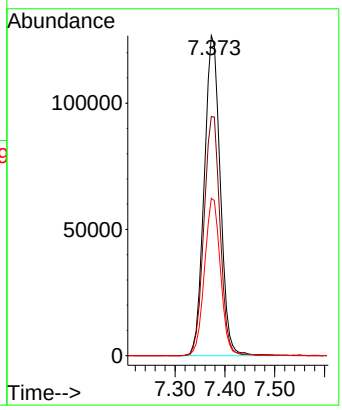


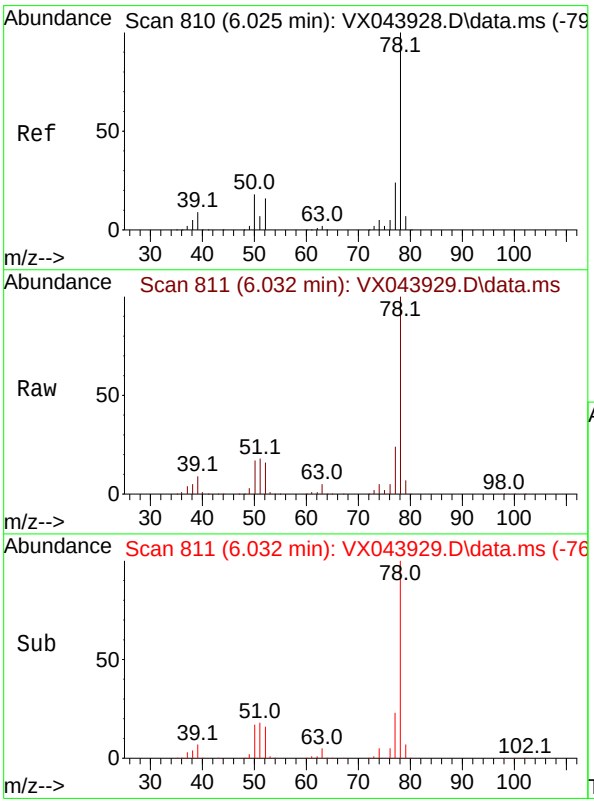
#39
Methylcyclohexane
Concen: 99.308 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 283075

Ion	Ratio	Lower	Upper
83	100		
55	74.7	63.1	94.7
98	49.2	40.0	60.0

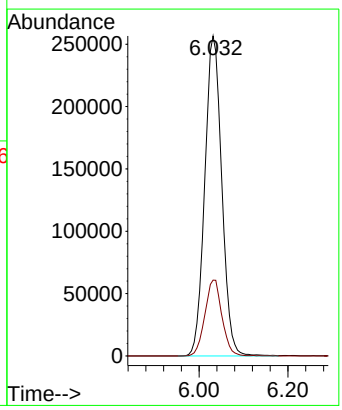


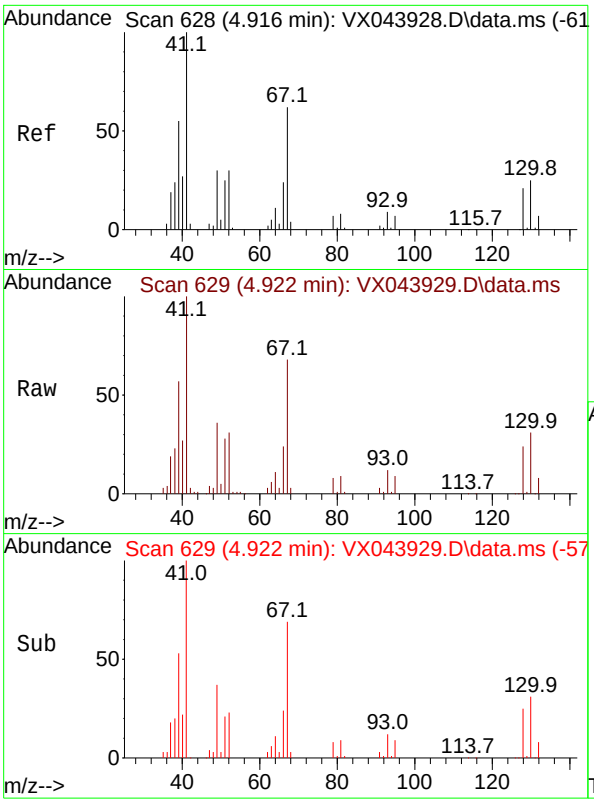


#40
Benzene
Concen: 100.099 ug/l
RT: 6.032 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 78 Resp: 684139

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.2	28.8



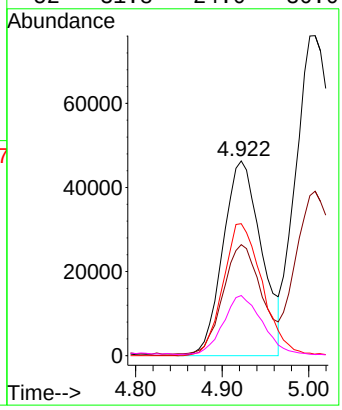


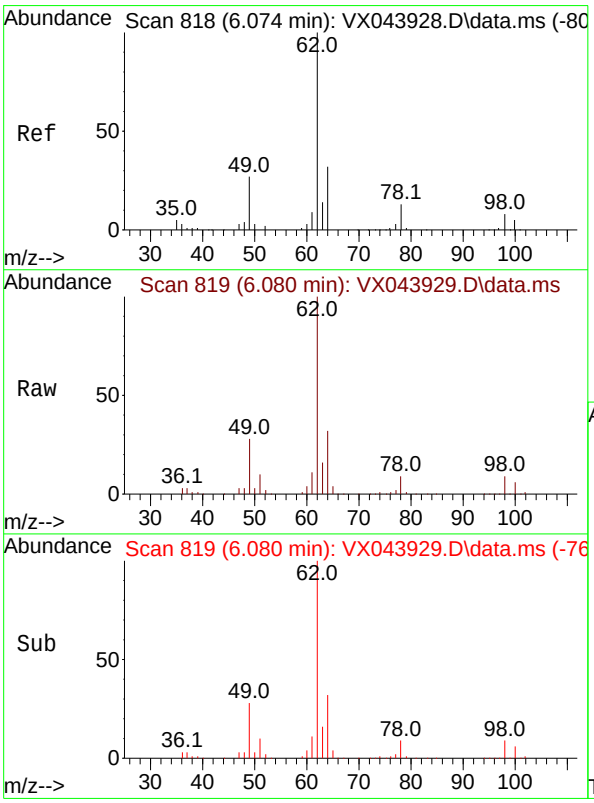
#41
Methacrylonitrile
Concen: 102.765 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 41 Resp: 143256

Ion	Ratio	Lower	Upper
41	100		
39	56.3	41.7	62.5
67	69.3	55.8	83.8
52	31.8	24.0	36.0

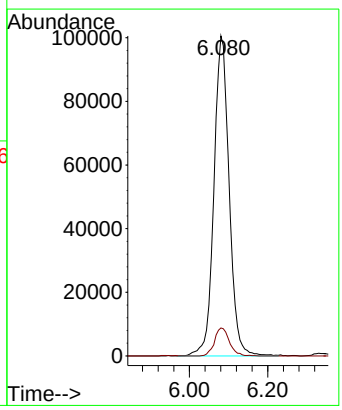


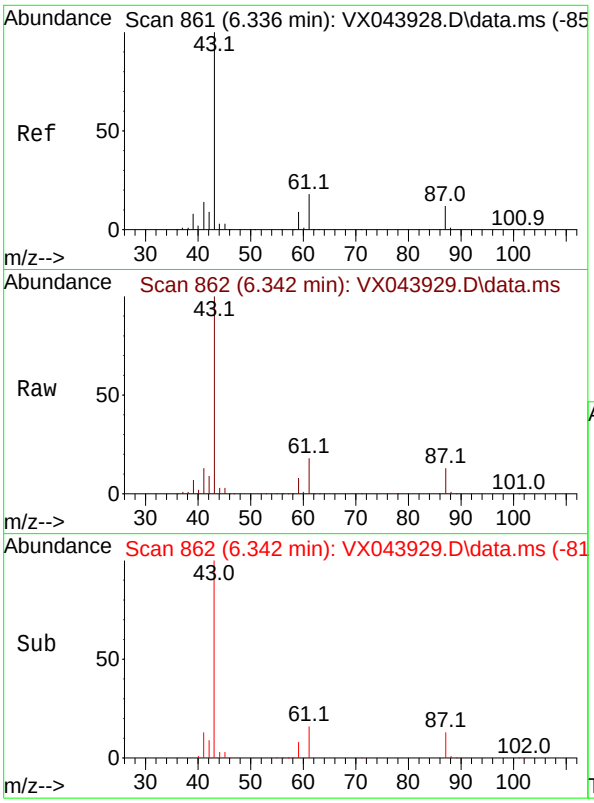


#42
1,2-Dichloroethane
Concen: 98.961 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 62 Resp: 271641

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	16.4



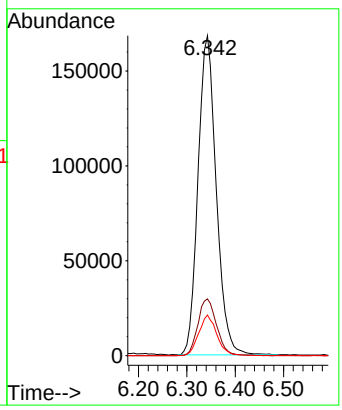


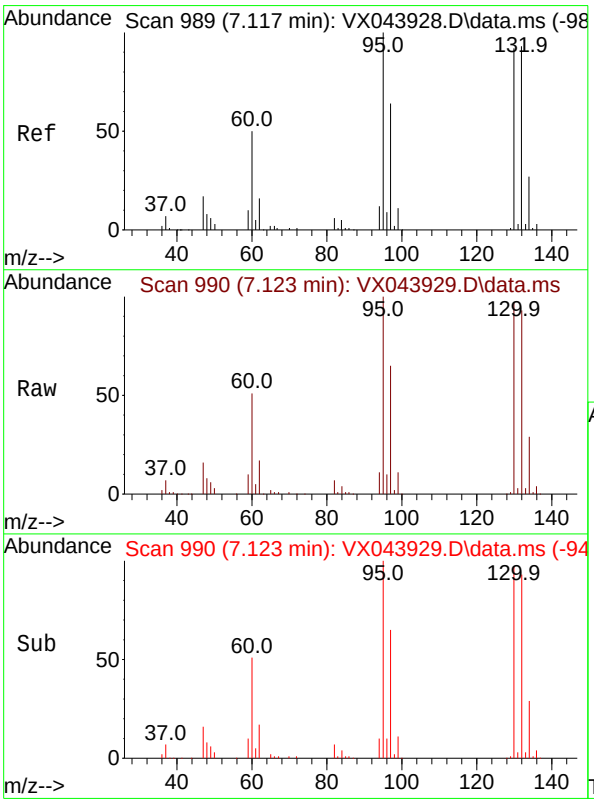
#43
Isopropyl Acetate
Concen: 101.652 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 440615

Ion	Ratio	Lower	Upper
43	100		
61	18.3	14.5	21.7
87	12.7	10.2	15.2

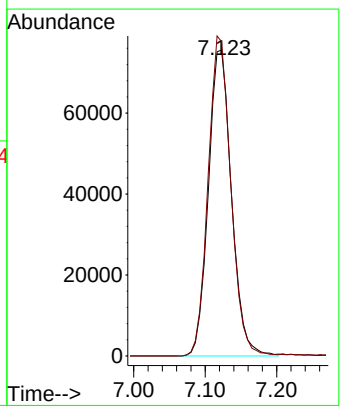


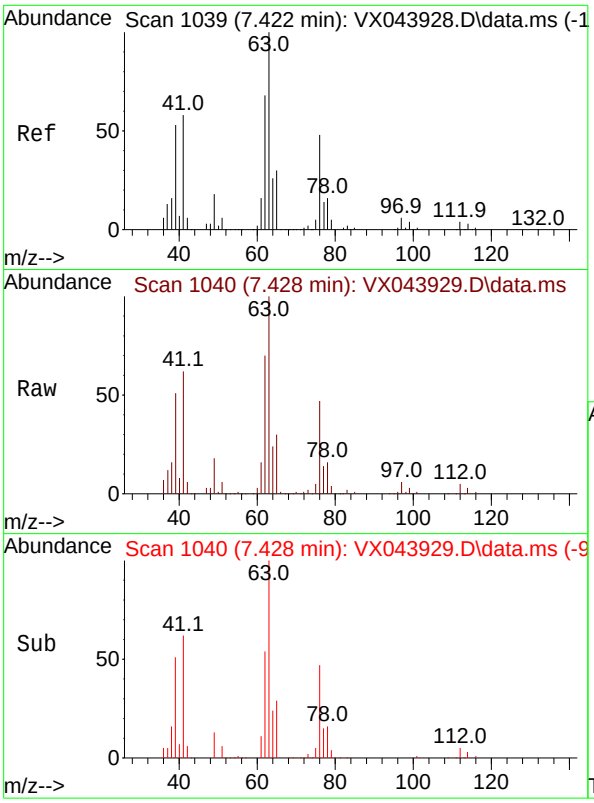


#44
Trichloroethene
Concen: 87.759 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:130 Resp: 169796

Ion	Ratio	Lower	Upper
130	100		
95	102.7	0.0	217.8



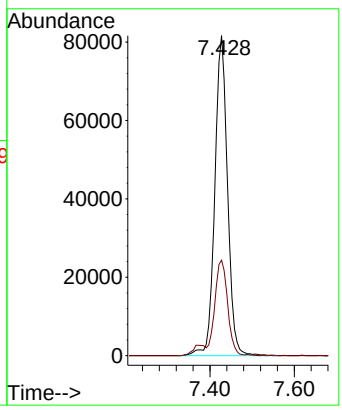


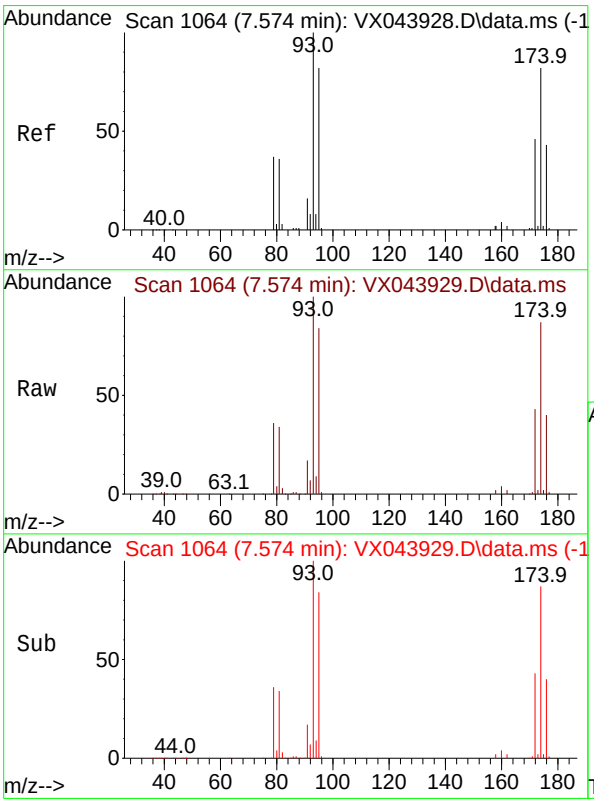
#45
1,2-Dichloropropane
Concen: 101.998 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 63 Resp: 170741

Ion	Ratio	Lower	Upper
63	100		
65	29.9	23.8	35.6

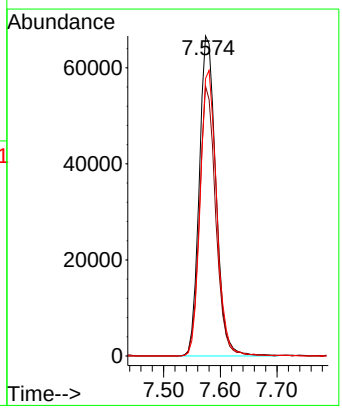


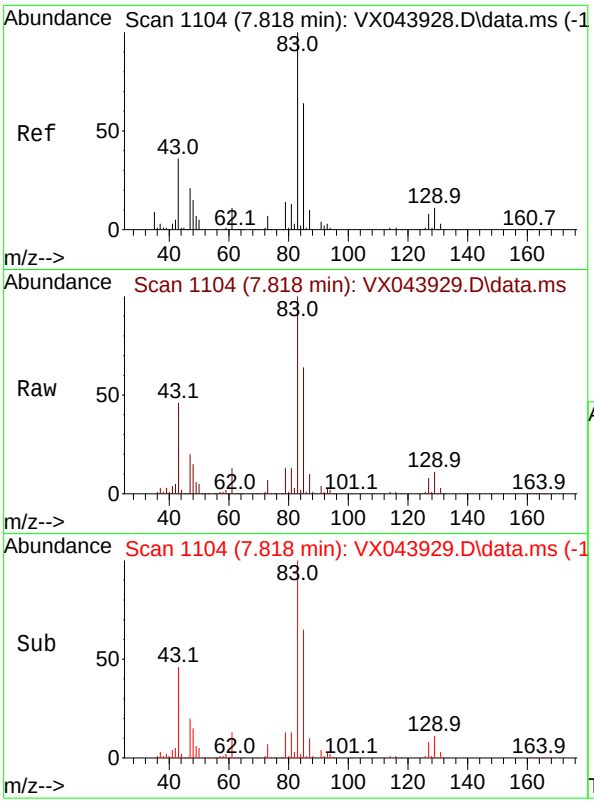


#46
Dibromomethane
Concen: 102.651 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 93 Resp: 135928

Ion	Ratio	Lower	Upper
93	100		
95	81.9	66.2	99.4
174	88.2	69.6	104.4



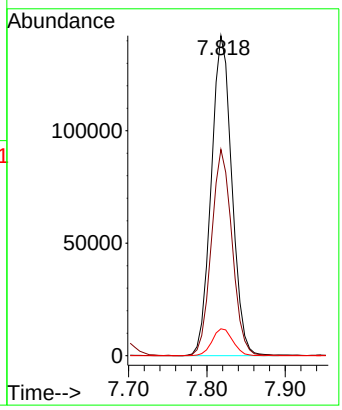


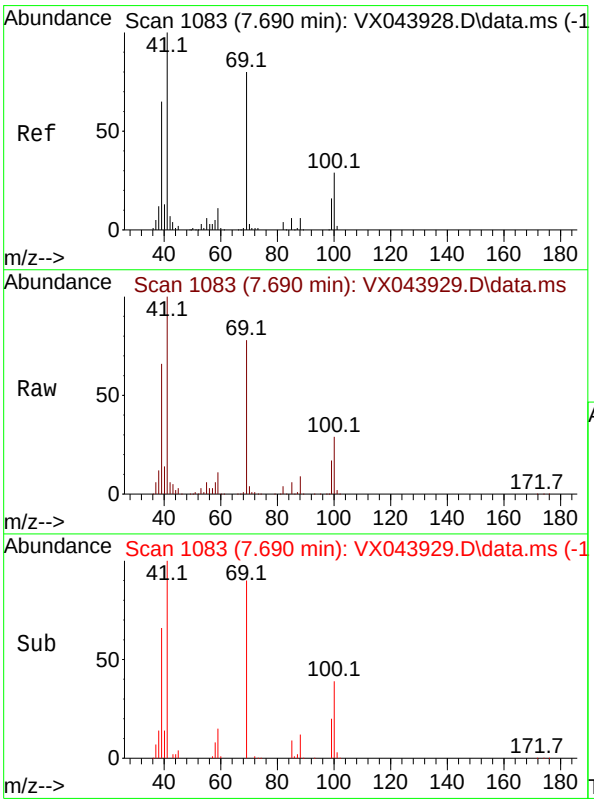
#47
Bromodichloromethane
Concen: 109.665 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 260442

Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.4	77.0
127	8.4	6.6	10.0

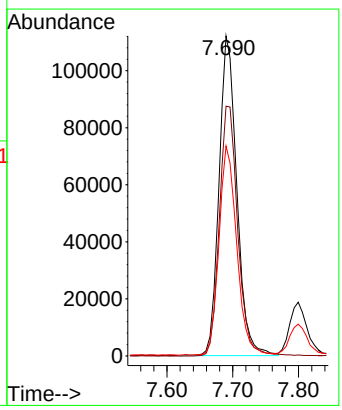


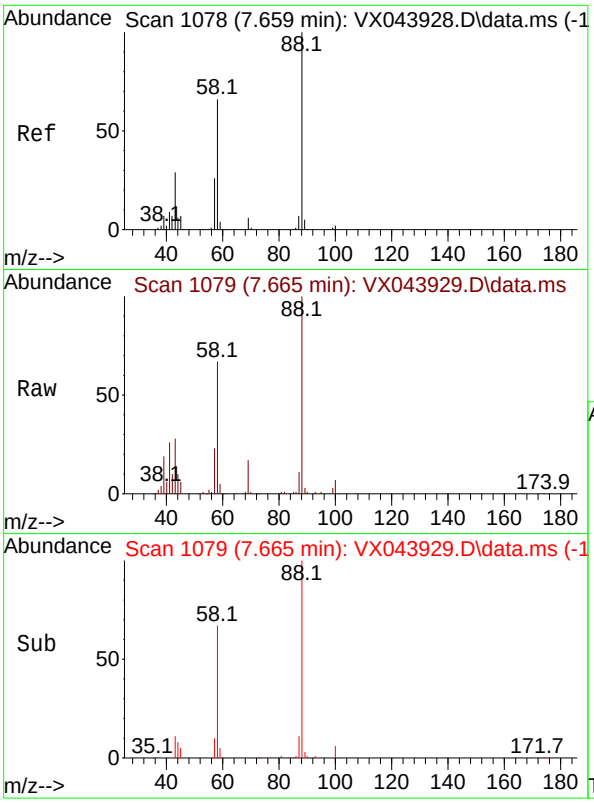


#48
Methyl methacrylate
Concen: 101.262 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 41 Resp: 210614

Ion	Ratio	Lower	Upper
41	100		
69	81.2	64.6	97.0
39	65.6	53.3	79.9



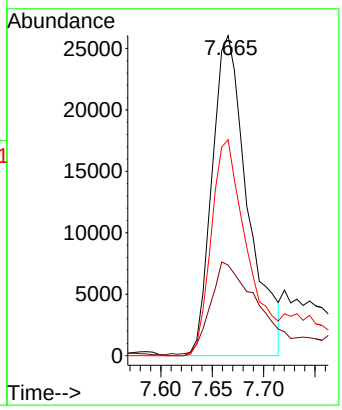


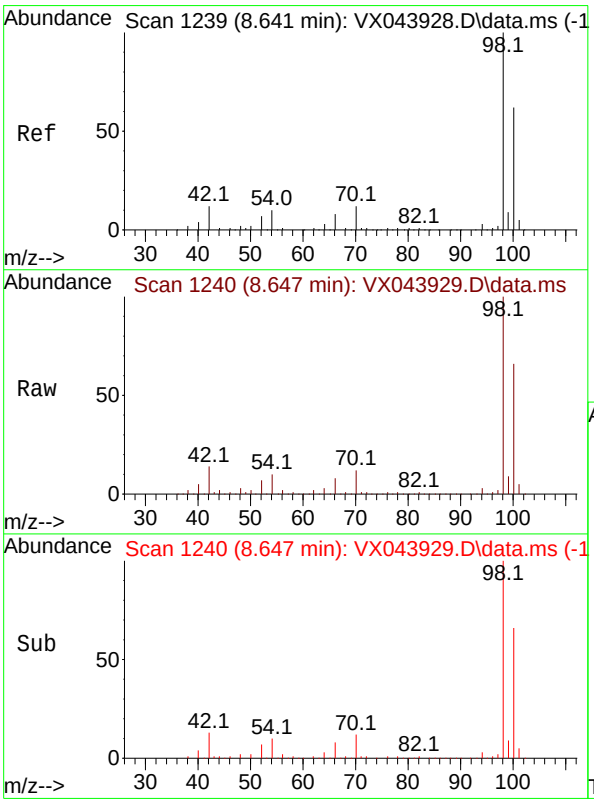
#49
1,4-Dioxane
Concen: 1752.518 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 88 Resp: 62845

Ion	Ratio	Lower	Upper
88	100		
43	38.8	26.8	40.2
58	67.9	45.4	68.2

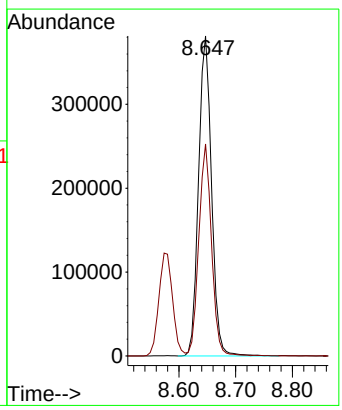


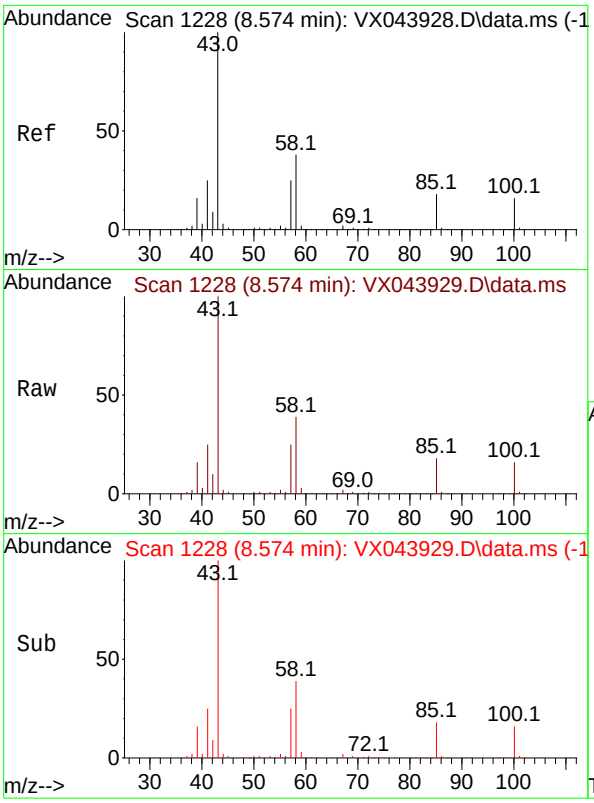


#50
Toluene-d8
Concen: 100.062 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 98 Resp: 607337

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.6	79.0



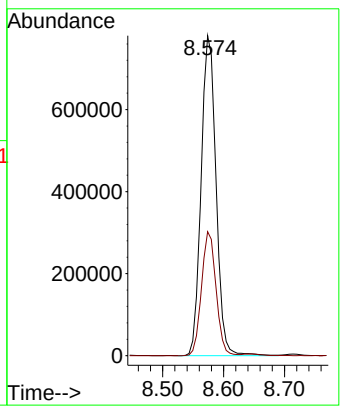


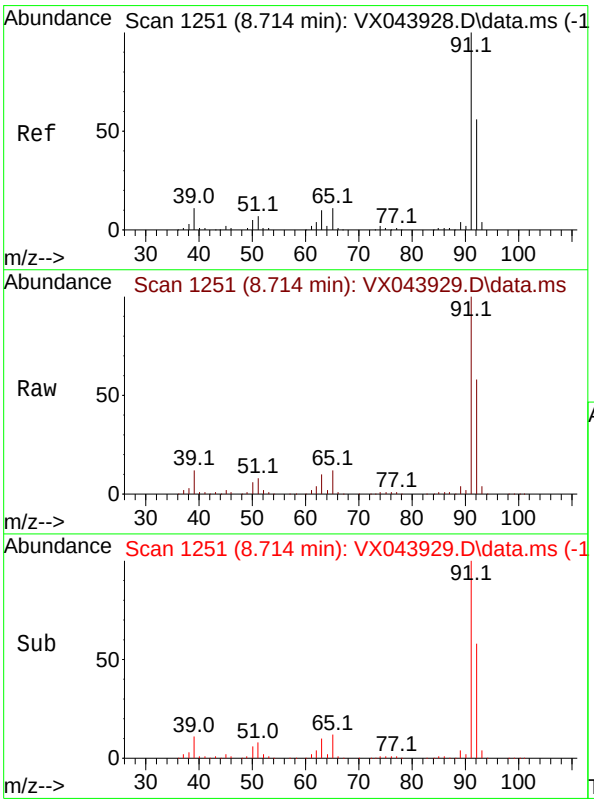
#51
4-Methyl-2-Pentanone
Concen: 502.451 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1329064

Ion	Ratio	Lower	Upper
43	100		
58	37.7	30.0	45.0

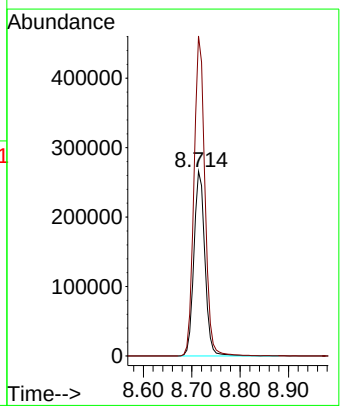


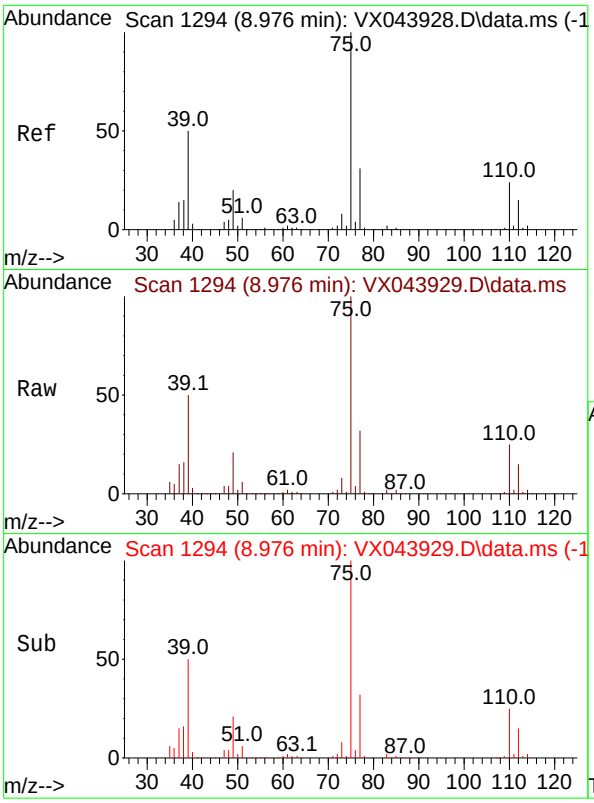


#52
Toluene
Concen: 102.426 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 92 Resp: 418999

Ion	Ratio	Lower	Upper
92	100		
91	172.3	139.7	209.5



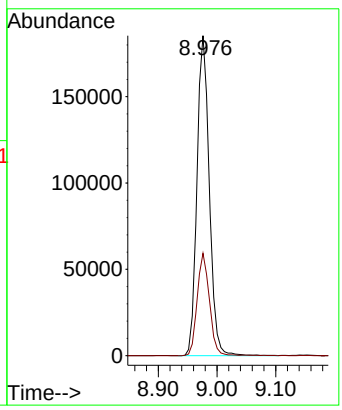


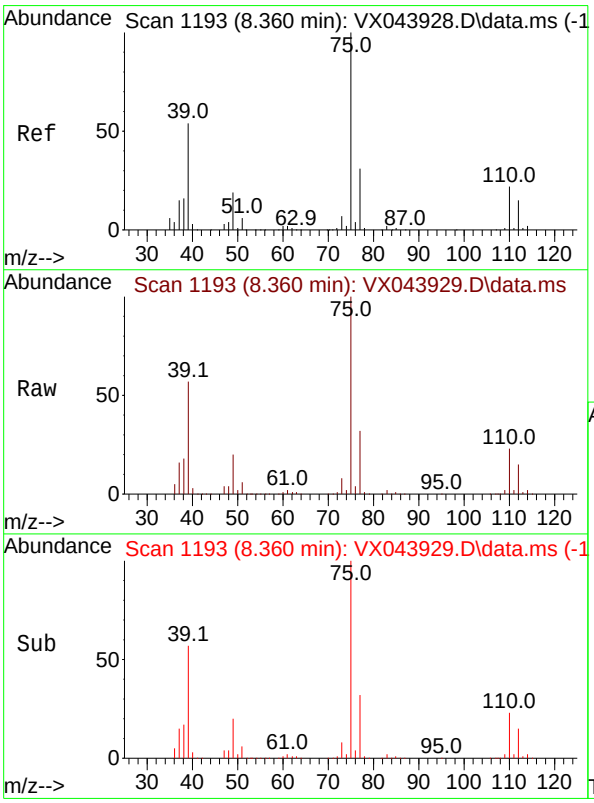
#53
t-1,3-Dichloropropene
Concen: 111.660 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 270418

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.1	37.7

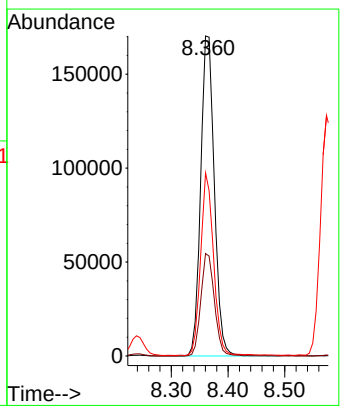


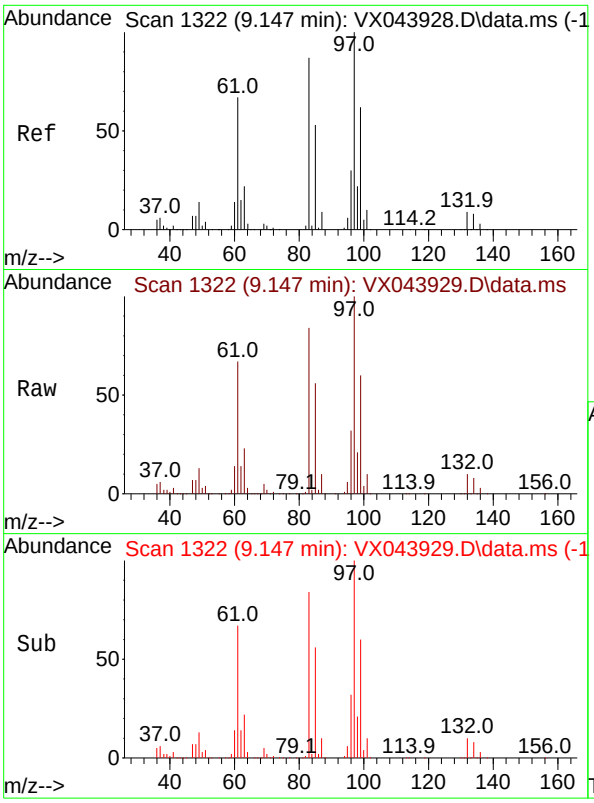


#54
cis-1,3-Dichloropropene
Concen: 107.584 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 75 Resp: 285627

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.2	37.8
39	57.0	43.1	64.7



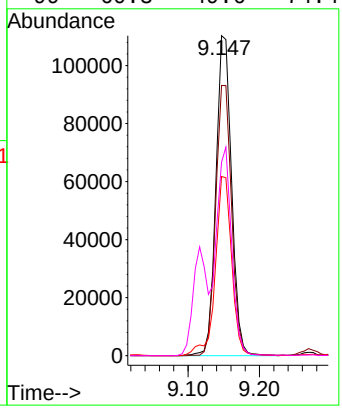


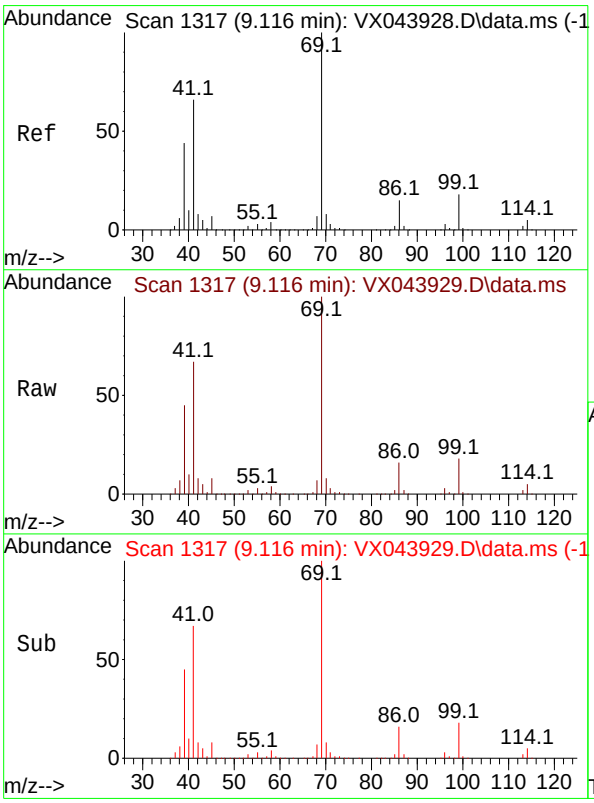
#55
1,1,2-Trichloroethane
Concen: 99.107 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 97 Resp: 167357

Ion	Ratio	Lower	Upper
97	100		
83	84.5	69.4	104.0
85	56.0	42.3	63.5
99	60.3	49.6	74.4

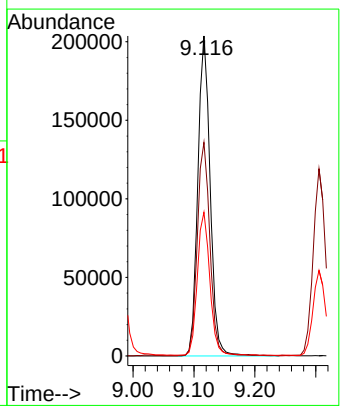


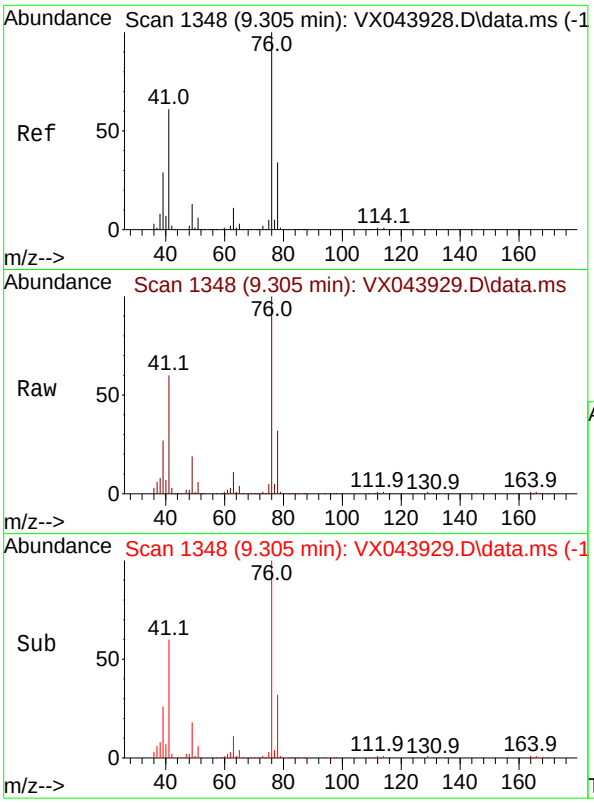


#56
Ethyl methacrylate
Concen: 109.076 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 69 Resp: 286893

Ion	Ratio	Lower	Upper
69	100		
41	68.0	55.8	83.8
39	45.3	36.7	55.1



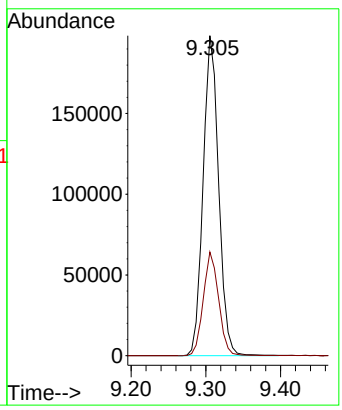


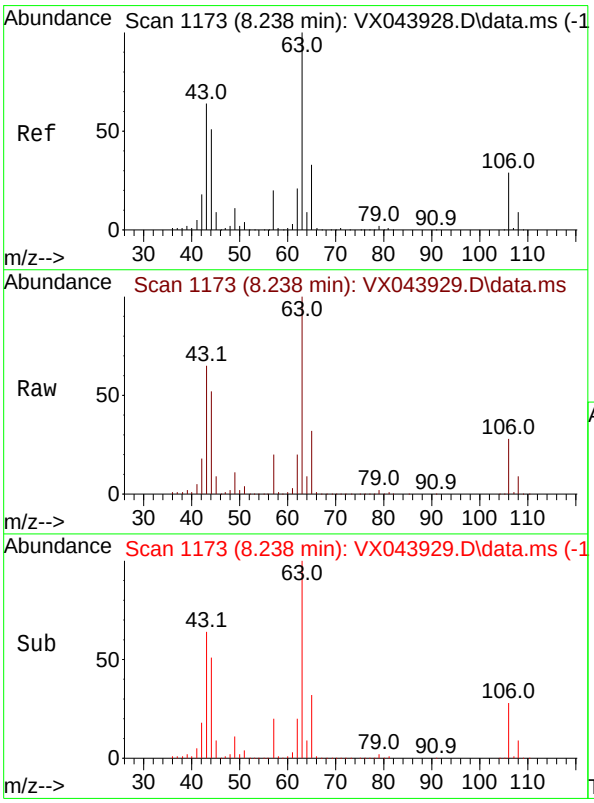
#57
1,3-Dichloropropane
Concen: 100.370 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 285511

Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.0	39.0

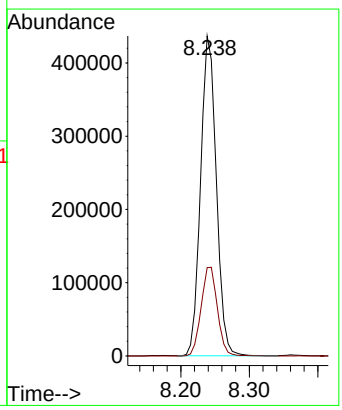


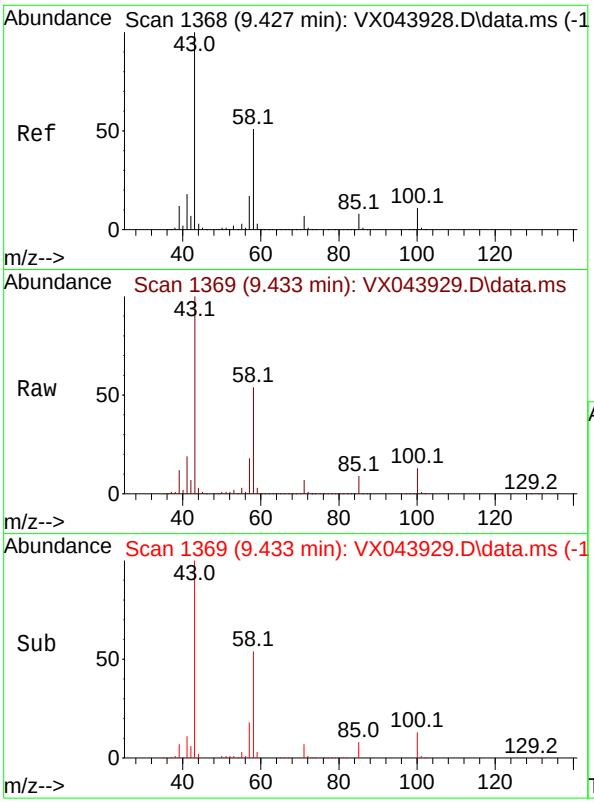


#58
2-Chloroethyl Vinyl ether
Concen: 489.972 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 63 Resp: 698756

Ion	Ratio	Lower	Upper
63	100		
106	28.6	23.0	34.6



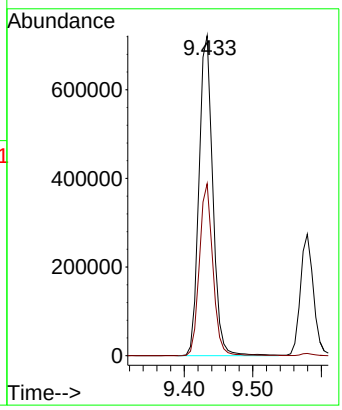


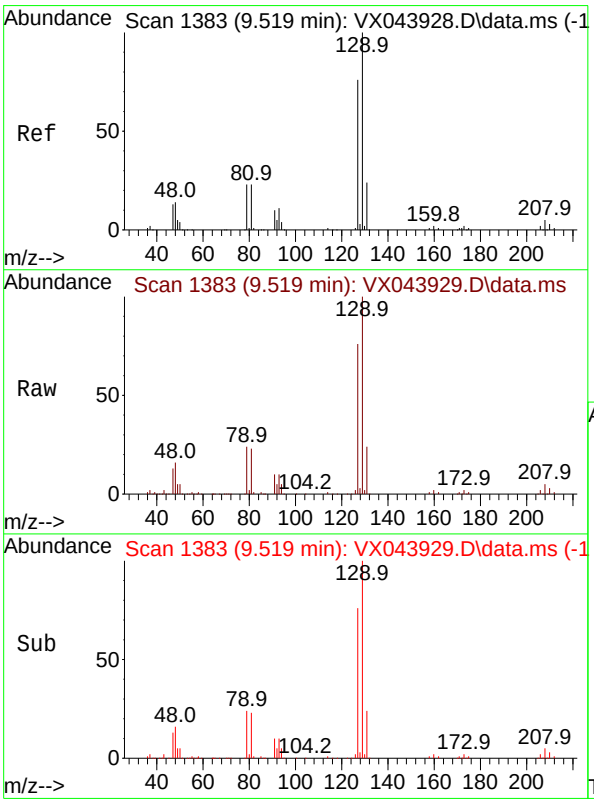
#59
2-Hexanone
Concen: 508.639 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1011261

Ion	Ratio	Lower	Upper
43	100		
58	52.7	25.9	77.6

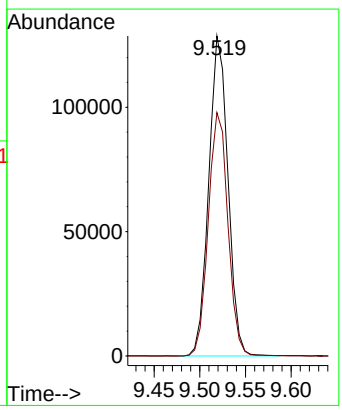


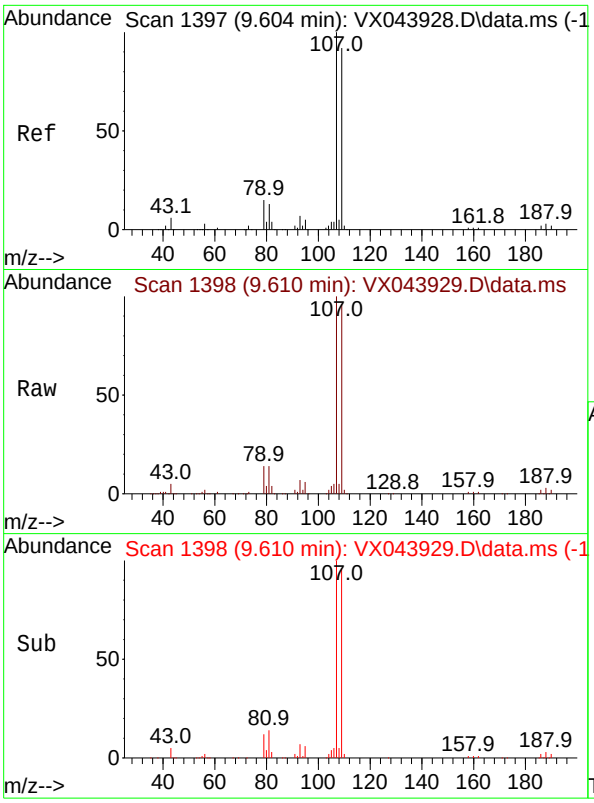


#60
Dibromochloromethane
Concen: 110.653 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:129 Resp: 187476

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.2	114.6



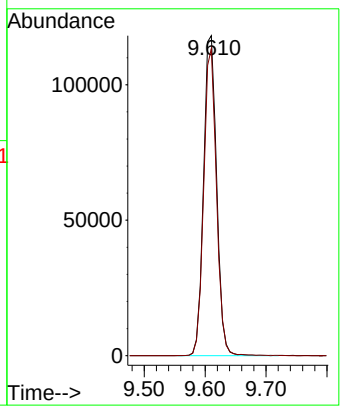


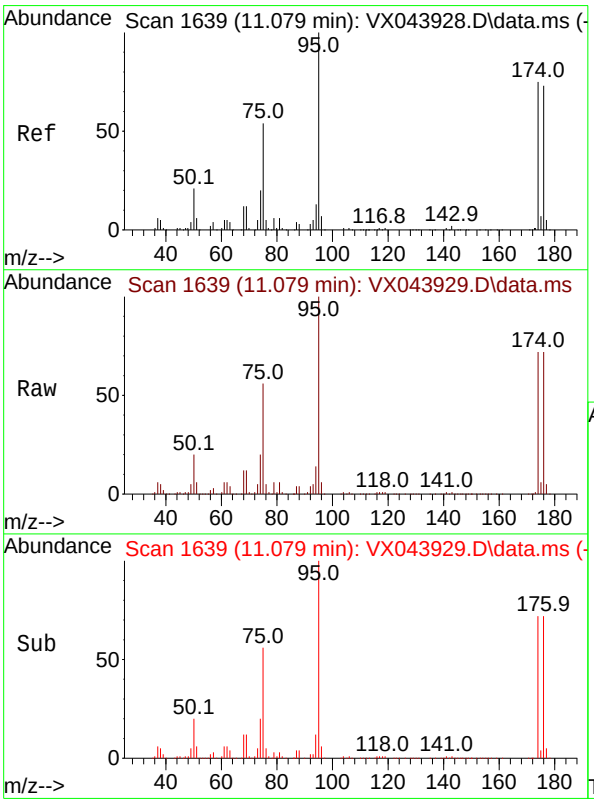
#61
1,2-Dibromoethane
Concen: 103.278 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:107 Resp: 176345

Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.2	112.8

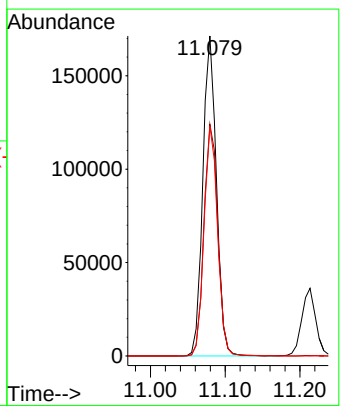


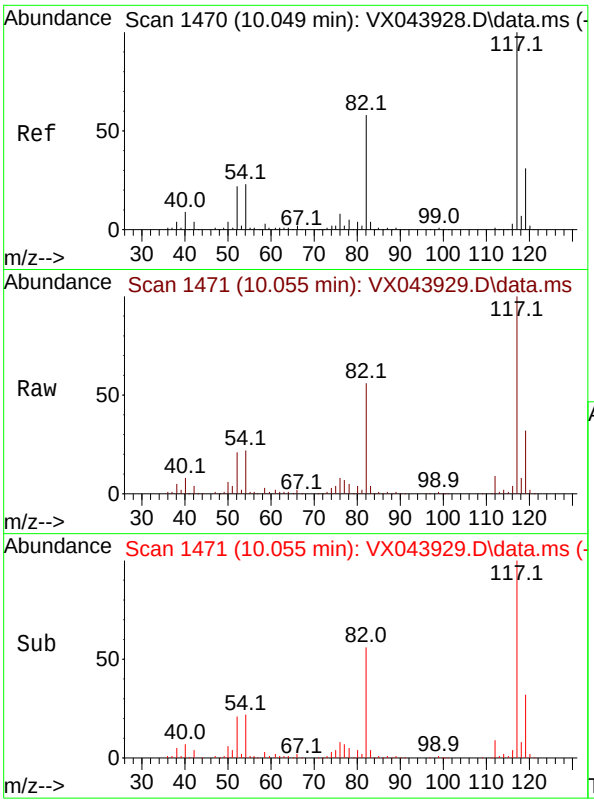


#62
4-Bromofluorobenzene
Concen: 104.545 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 95 Resp: 215953

Ion	Ratio	Lower	Upper
95	100		
174	74.1	0.0	150.4
176	71.8	0.0	146.0



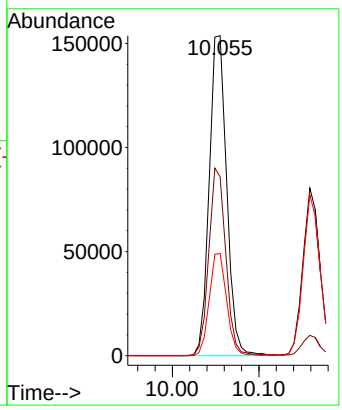


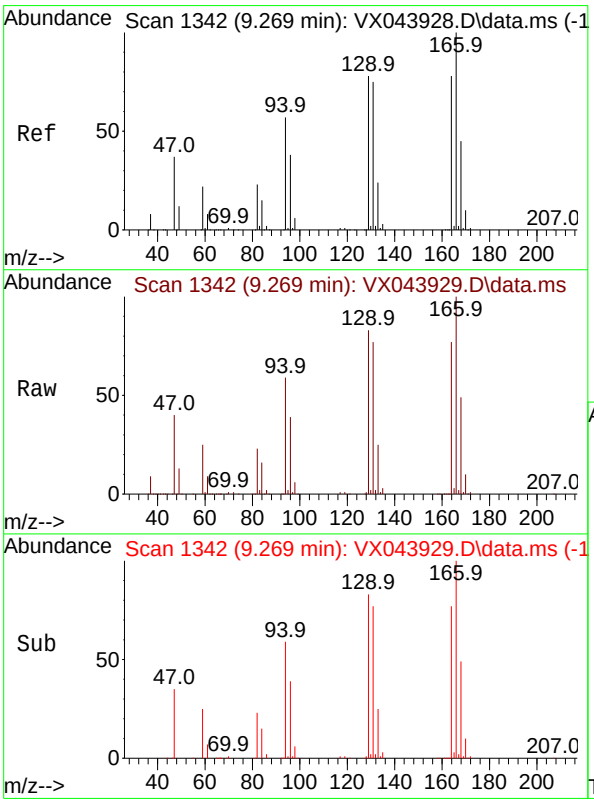
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:117 Resp: 215595

Ion	Ratio	Lower	Upper
117	100		
82	55.9	46.4	69.6
119	31.9	24.6	37.0

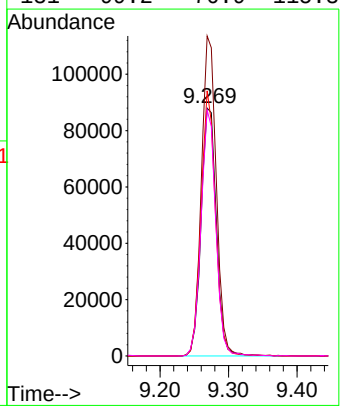


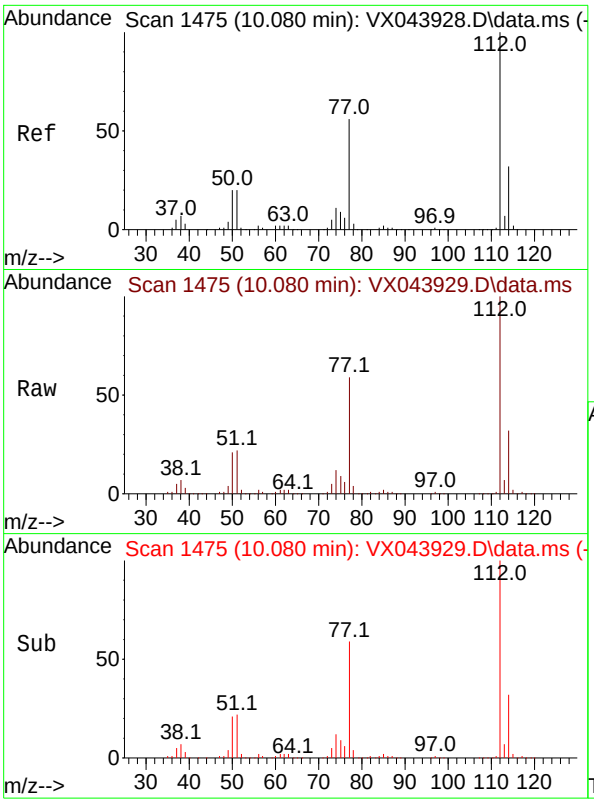


#64
Tetrachloroethene
Concen: 95.484 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:164 Resp: 135740

Ion	Ratio	Lower	Upper
164	100		
166	129.1	102.1	153.1
129	107.0	79.6	119.4
131	99.2	76.9	115.3



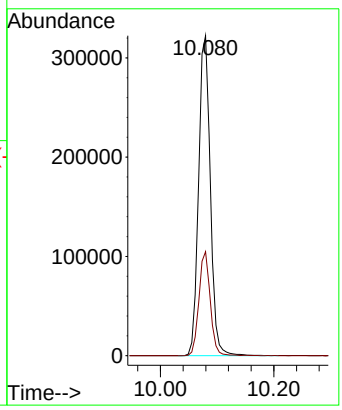


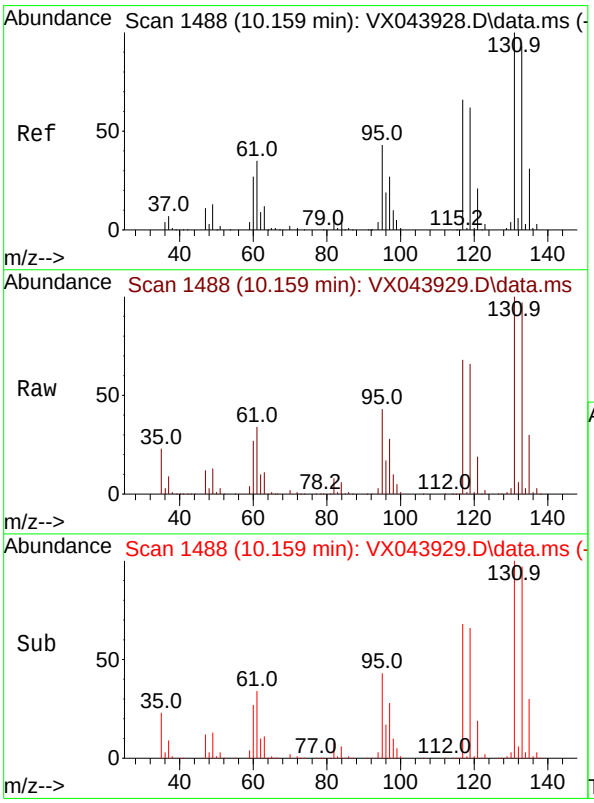
#65
Chlorobenzene
Concen: 97.374 ug/l
RT: 10.080 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:112 Resp: 461076

Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.4	38.0

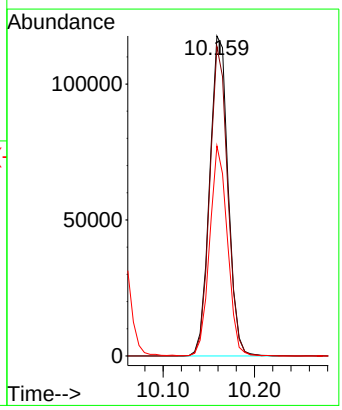


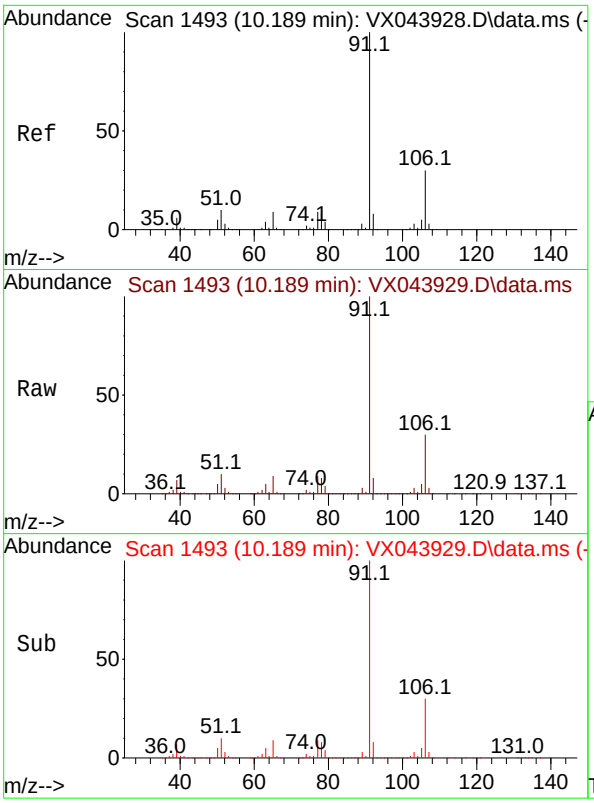


#66
1,1,1,2-Tetrachloroethane
Concen: 107.177 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:131 Resp: 164586

Ion	Ratio	Lower	Upper
131	100		
133	94.2	48.2	144.6
119	63.2	31.5	94.5



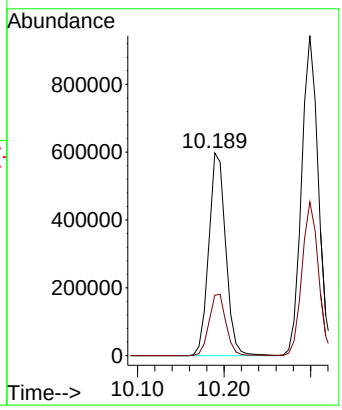


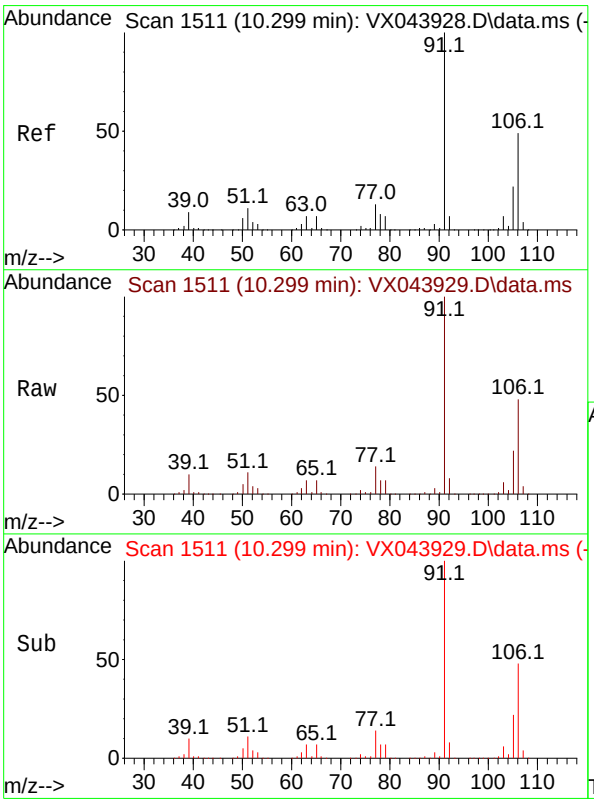
#67
Ethyl Benzene
Concen: 101.238 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 812289

Ion	Ratio	Lower	Upper
91	100		
106	29.8	23.6	35.4

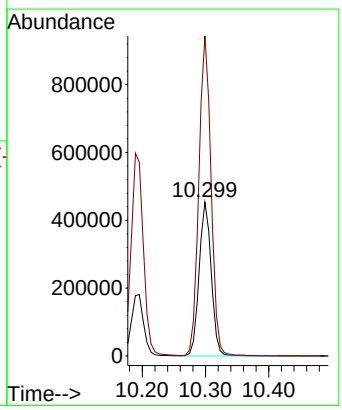


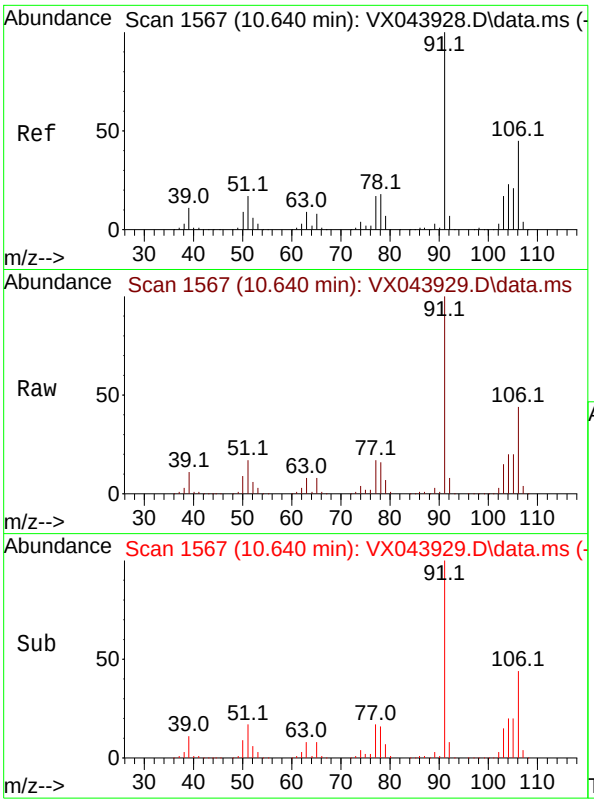


#68
m/p-Xylenes
Concen: 201.677 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:106 Resp: 603451

Ion	Ratio	Lower	Upper
106	100		
91	210.3	168.1	252.1



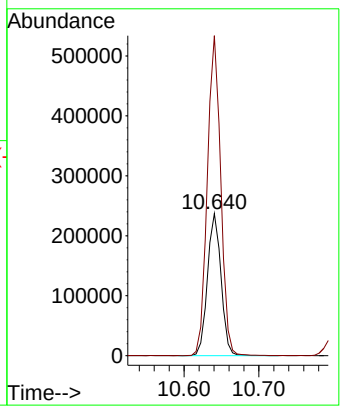


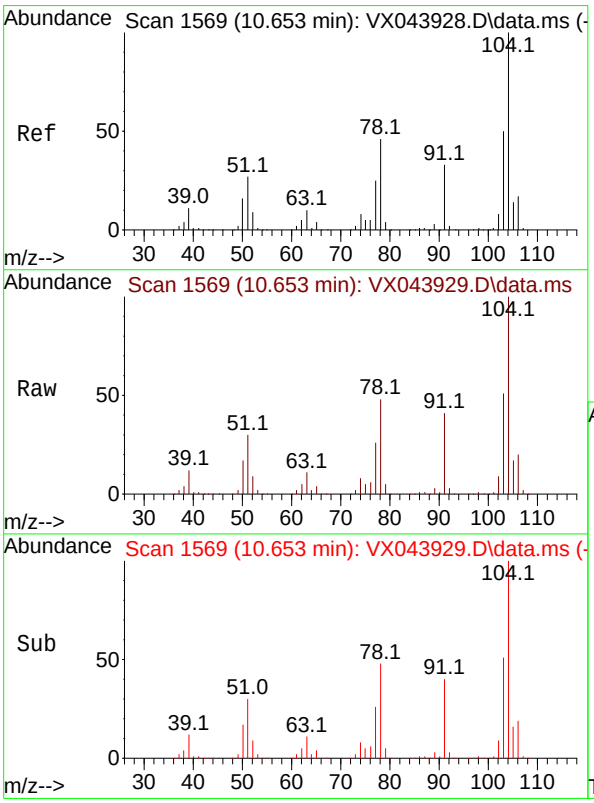
#69
o-Xylene
Concen: 102.257 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 298739

Ion	Ratio	Lower	Upper
106	100		
91	222.3	110.2	330.6

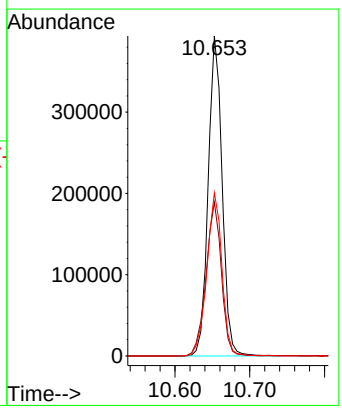


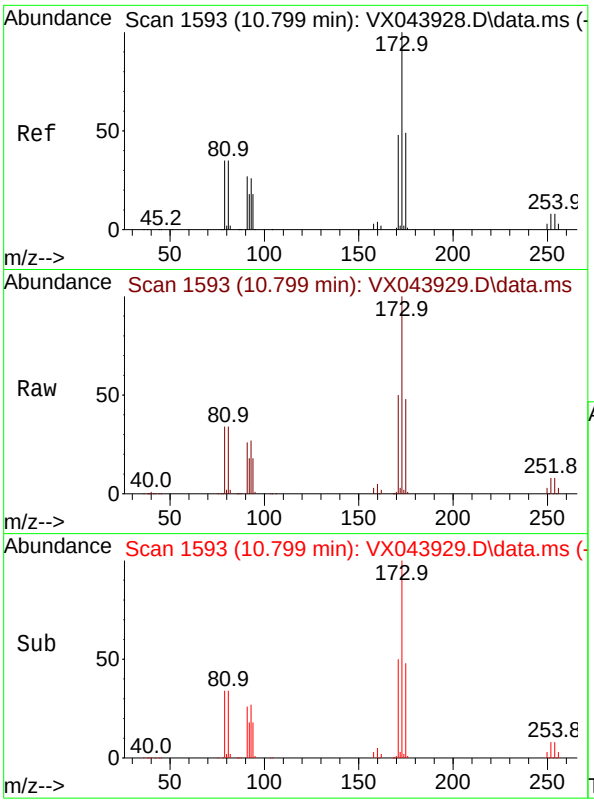


#70
Styrene
Concen: 105.807 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:104 Resp: 511251

Ion	Ratio	Lower	Upper
104	100		
78	53.1	42.2	63.2
103	55.4	44.7	67.1



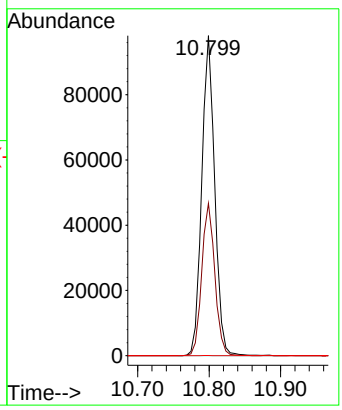


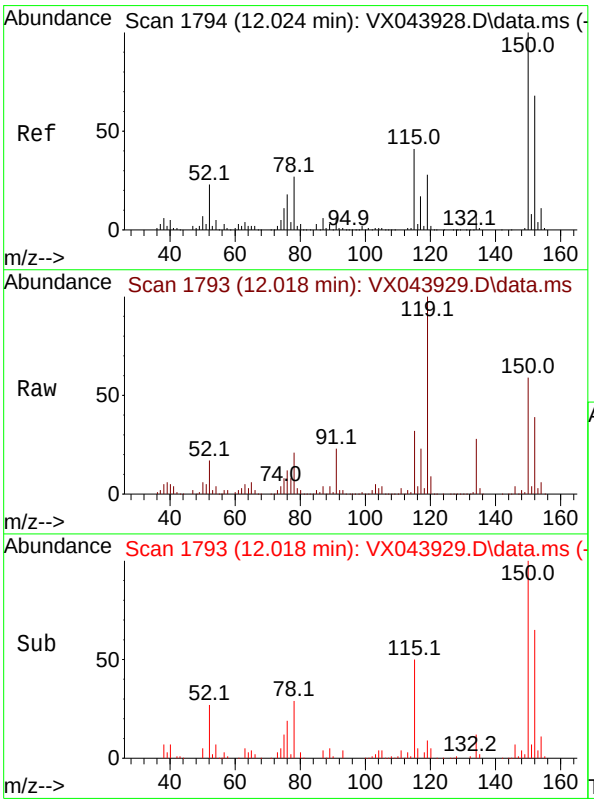
#71
Bromoform
Concen: 98.888 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:173 Resp: 123114

Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.1	72.2
254	0.0	0.0	0.0#

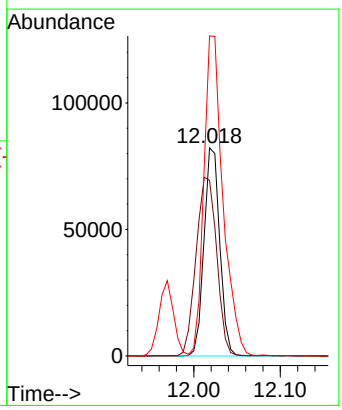


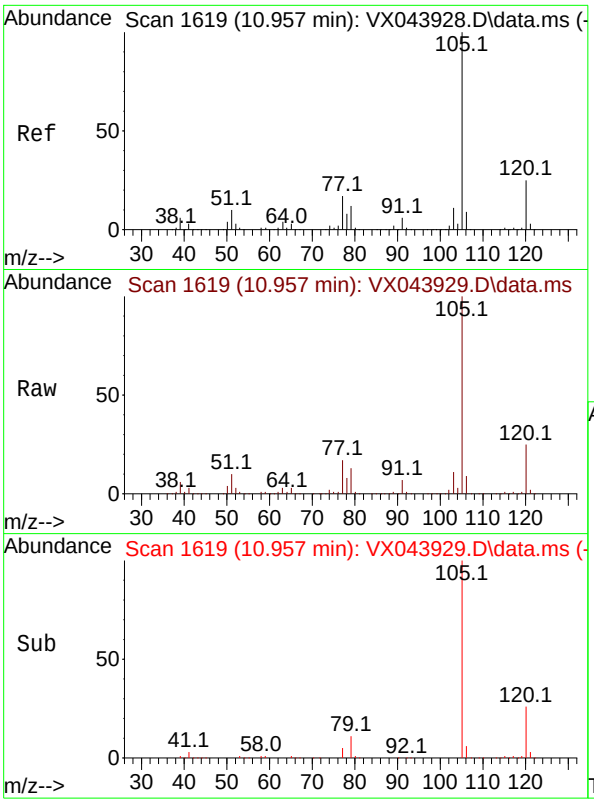


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:152 Resp: 104048

Ion	Ratio	Lower	Upper
152	100		
115	112.2	45.4	136.2
150	186.1	0.0	353.0



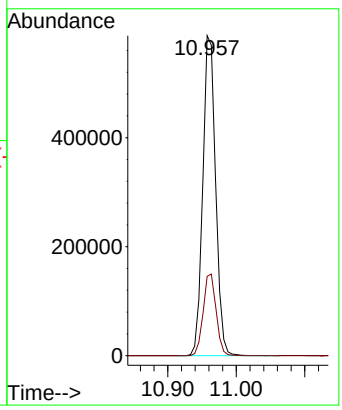


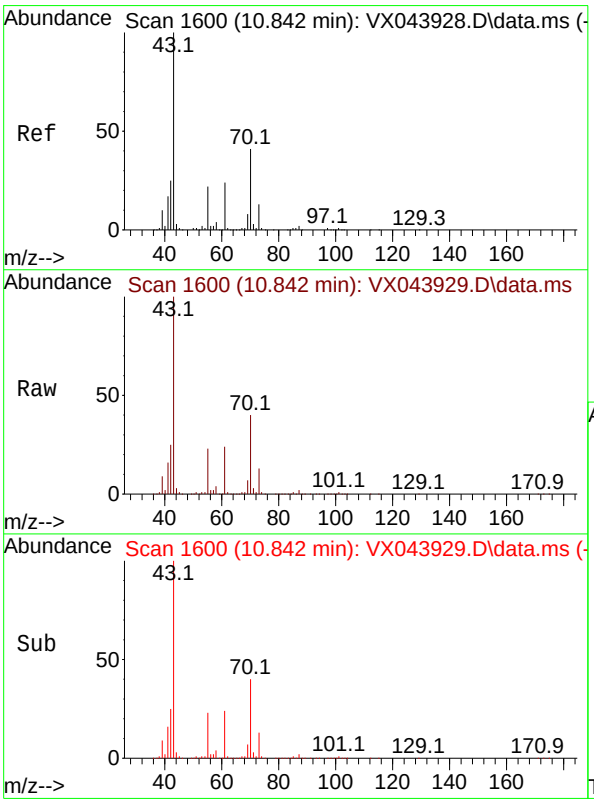
#73
Isopropylbenzene
Concen: 95.726 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 765623

Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.0	38.9

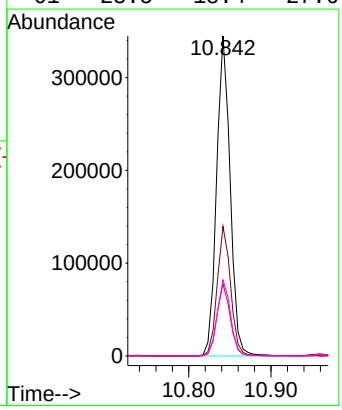


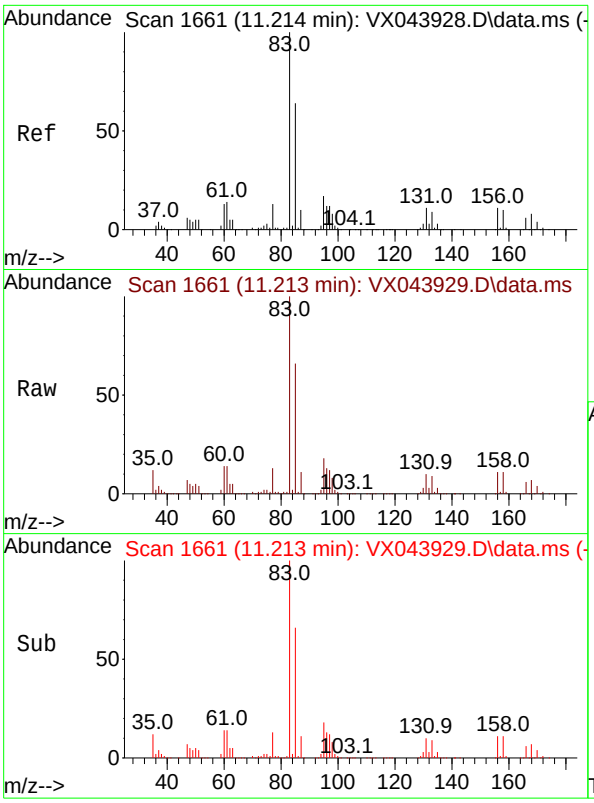


#74
N-amyl acetate
Concen: 106.458 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 43 Resp: 394438

Ion	Ratio	Lower	Upper
43	100		
70	40.2	32.2	48.2
55	22.3	18.1	27.1
61	23.5	18.4	27.6



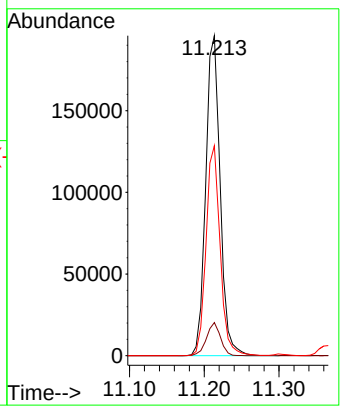


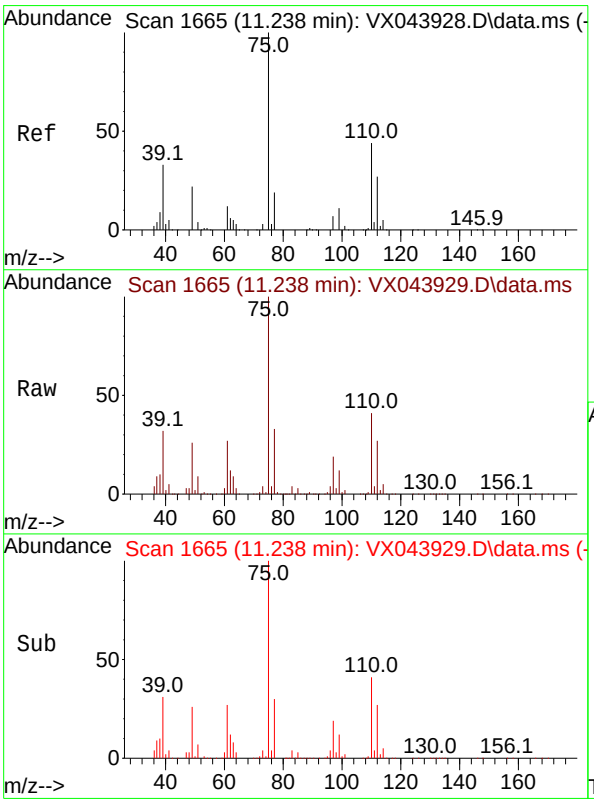
#75
1,1,2,2-Tetrachloroethane
Concen: 95.779 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 262302

Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.1	15.2
85	64.1	32.2	96.6

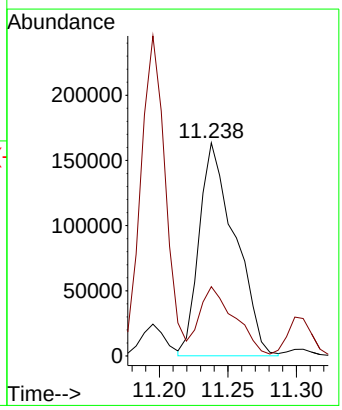


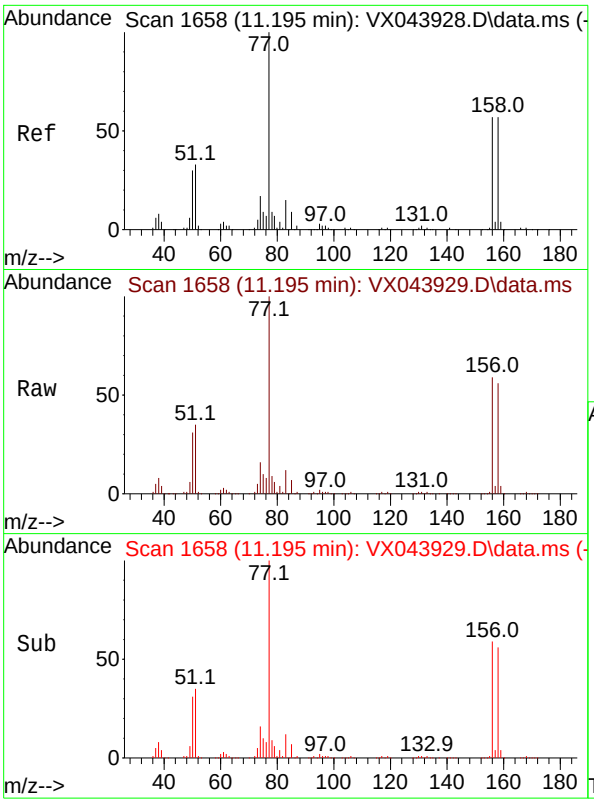


#76
1,2,3-Trichloropropane
Concen: 132.787 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 75 Resp: 297947

Ion	Ratio	Lower	Upper
75	100		
77	31.9	21.8	65.3



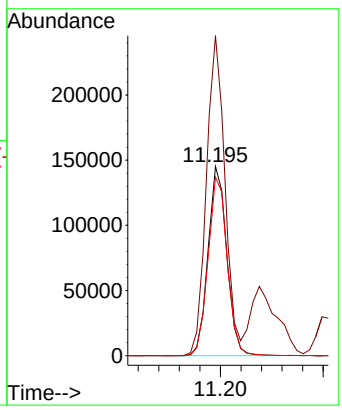


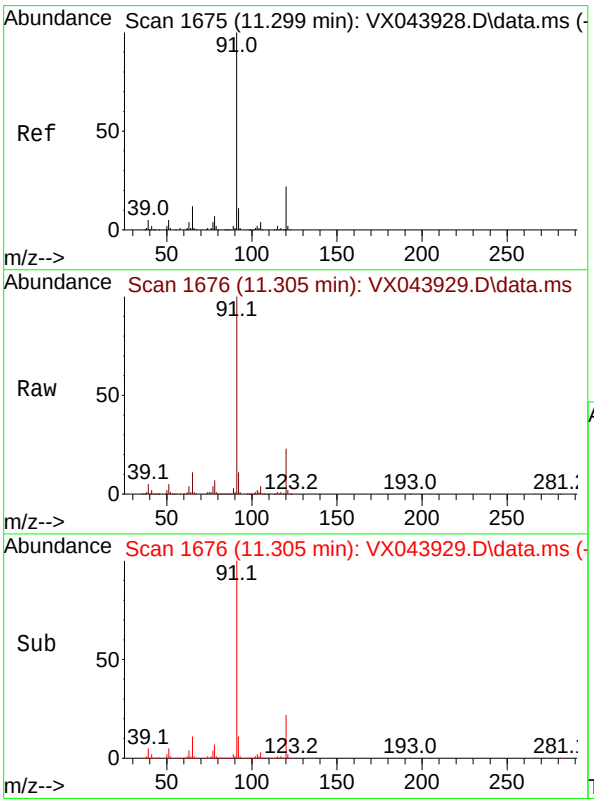
#77
Bromobenzene
Concen: 96.304 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:156 Resp: 183742

Ion	Ratio	Lower	Upper
156	100		
77	166.9	83.4	250.1
158	96.3	47.6	142.8

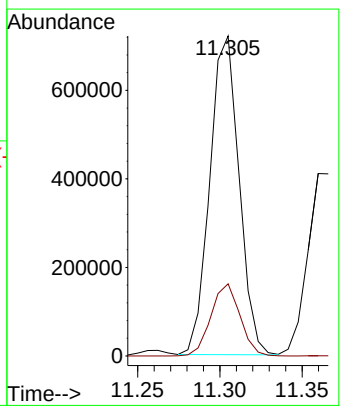


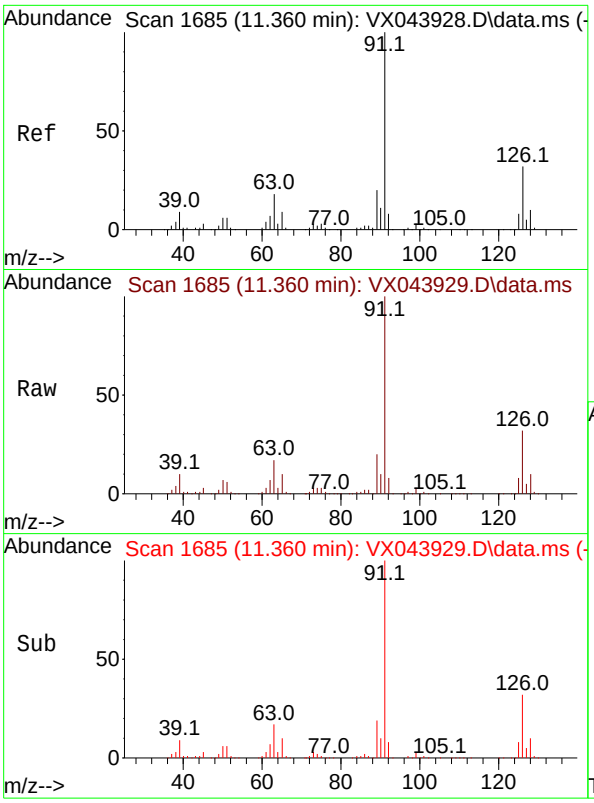


#78
n-propylbenzene
Concen: 99.846 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 91 Resp: 891893

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.5	34.4



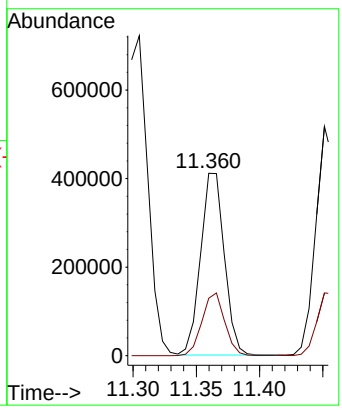


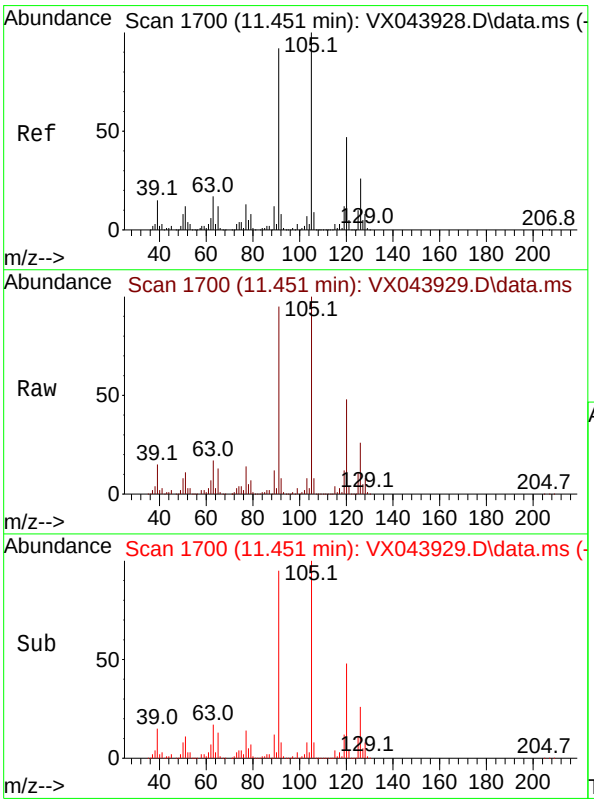
#79
2-Chlorotoluene
Concen: 95.103 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 537190

Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.6	49.8

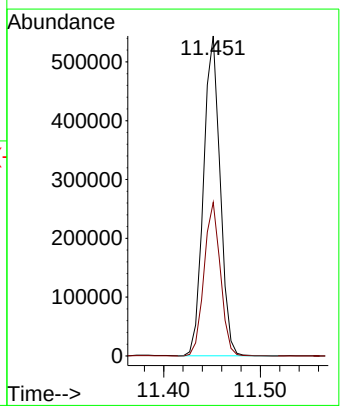


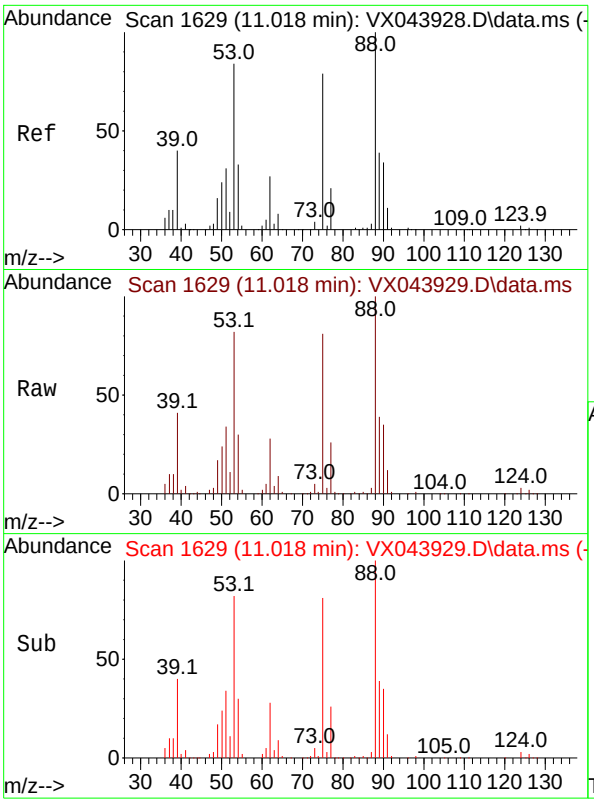


#80
1,3,5-Trimethylbenzene
Concen: 98.618 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:105 Resp: 648916

Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.3	69.8



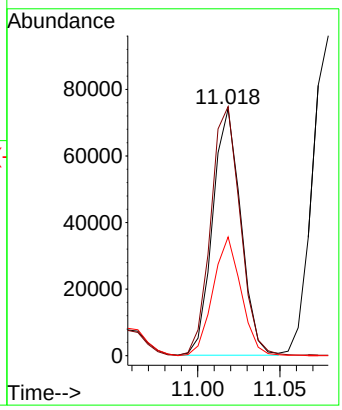


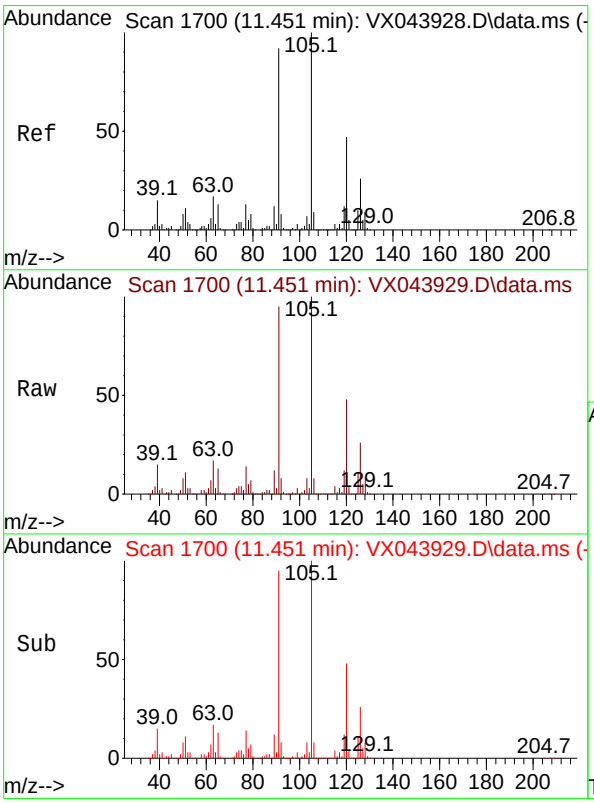
#81
trans-1,4-Dichloro-2-butene
Concen: 105.289 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 88041

Ion	Ratio	Lower	Upper
75	100		
53	106.0	86.7	130.1
89	48.3	38.2	57.2

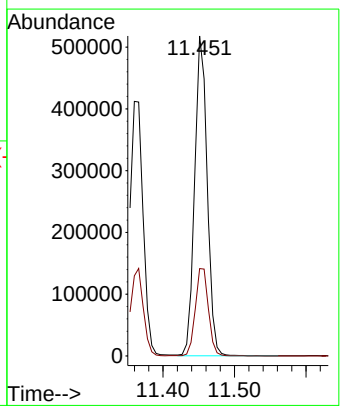


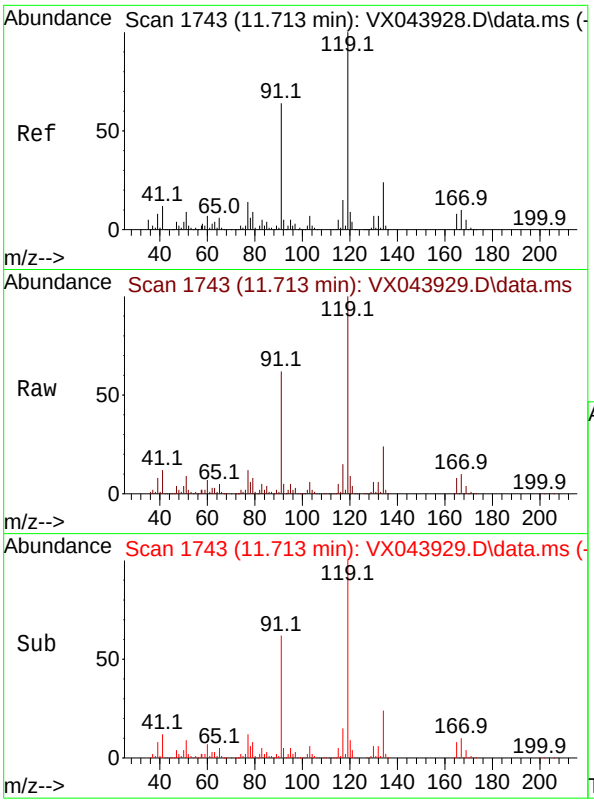


#82
4-Chlorotoluene
Concen: 98.728 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 91 Resp: 629590

Ion	Ratio	Lower	Upper
91	100		
126	28.7	14.3	42.9



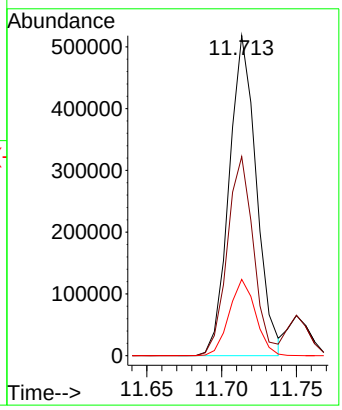


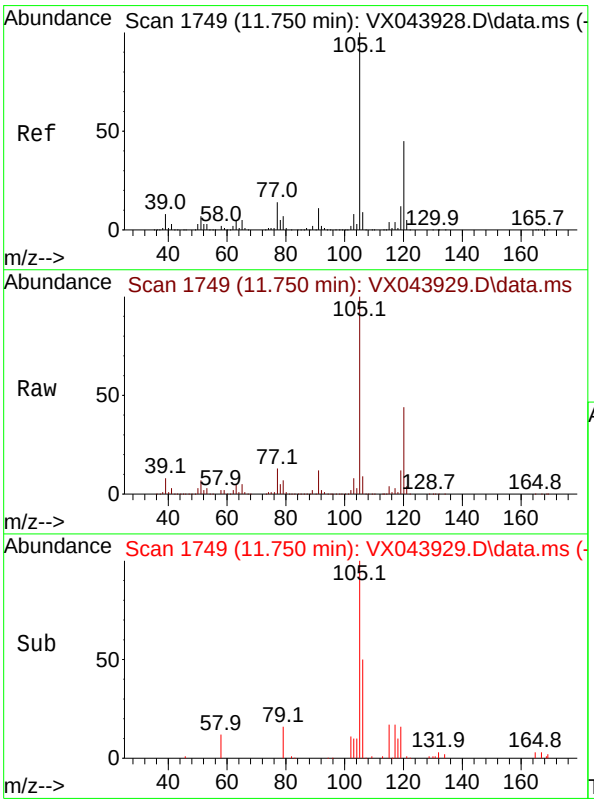
#83
tert-Butylbenzene
Concen: 100.570 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:119 Resp: 655918

Ion	Ratio	Lower	Upper
119	100		
91	60.2	31.0	93.0
134	23.1	11.6	34.8

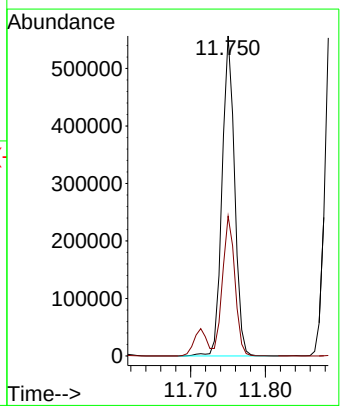


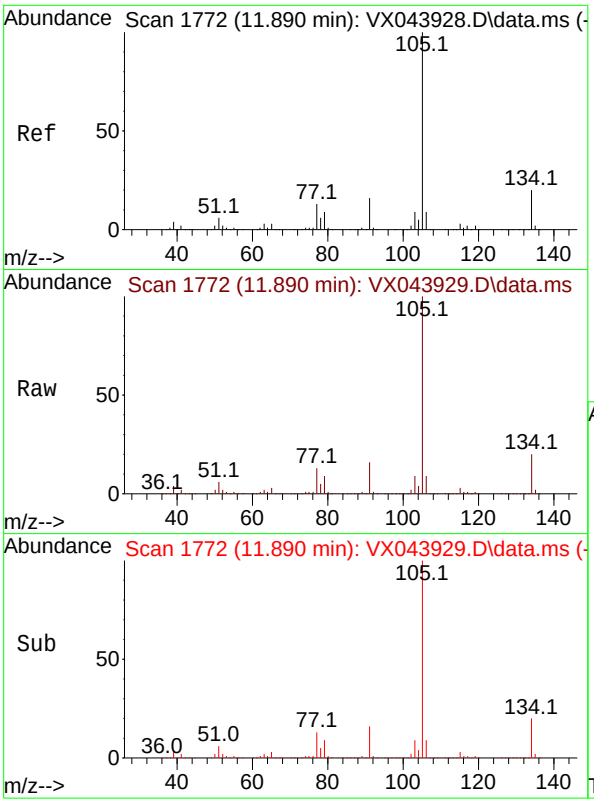


#84
1,2,4-Trimethylbenzene
Concen: 99.244 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:105 Resp: 650156

Ion	Ratio	Lower	Upper
105	100		
120	43.5	21.9	65.7



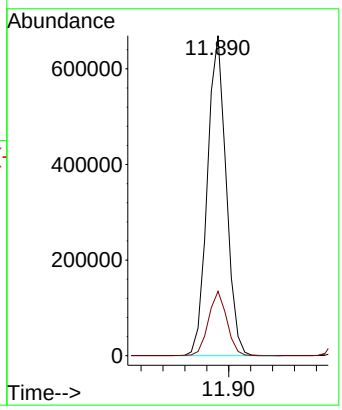


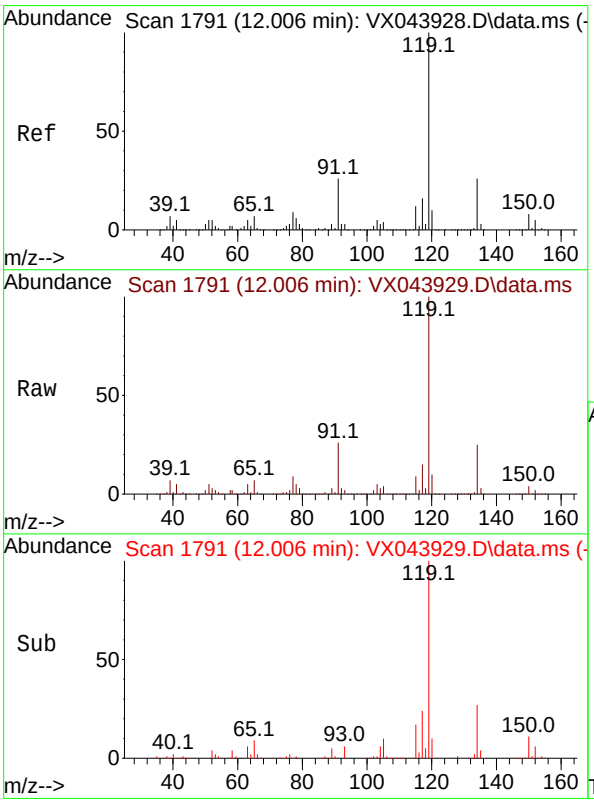
#85
sec-Butylbenzene
Concen: 99.267 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 793233

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.7	29.1

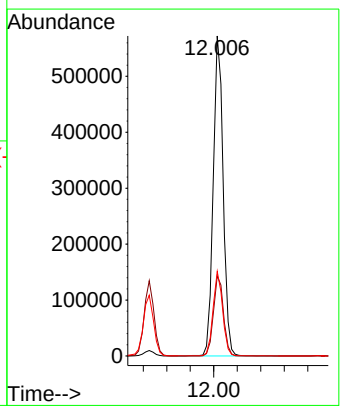


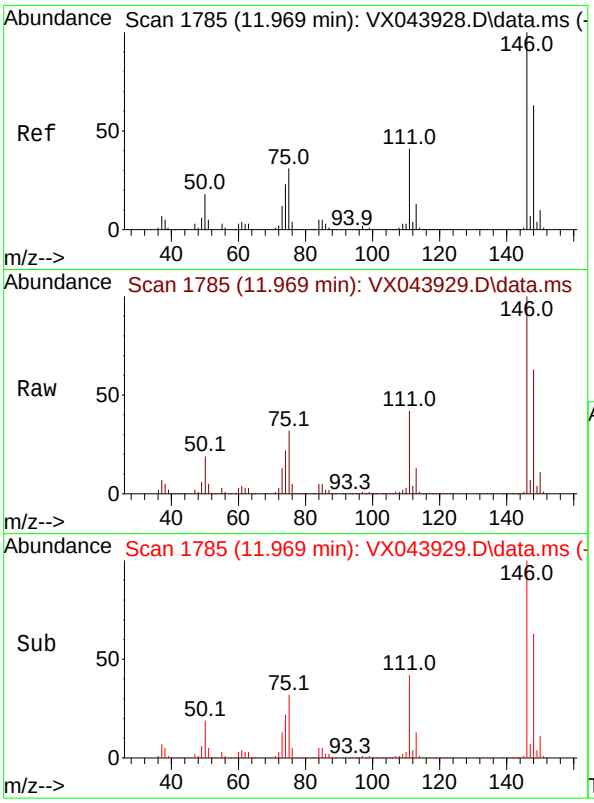


#86
p-Isopropyltoluene
Concen: 103.194 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:119 Resp: 669819

Ion	Ratio	Lower	Upper
119	100		
134	25.4	13.0	38.9
91	25.4	13.0	38.9



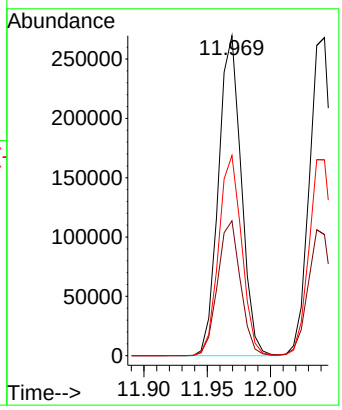


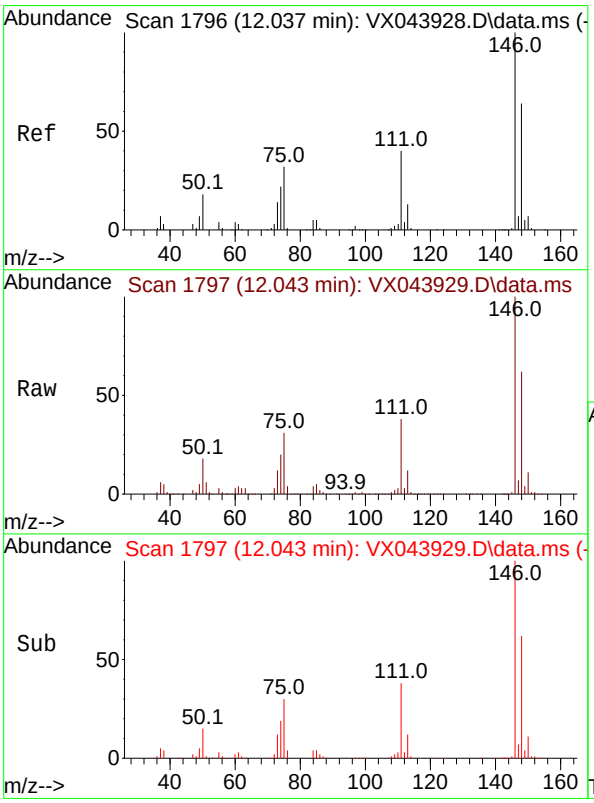
#87
1,3-Dichlorobenzene
Concen: 97.171 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 337665

Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.1	63.3
148	63.1	31.7	95.1

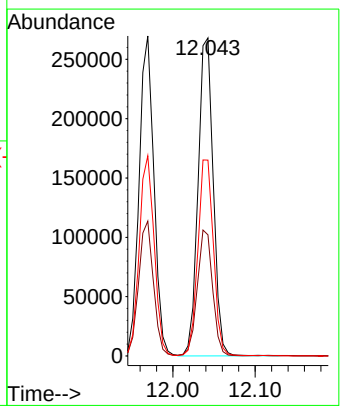


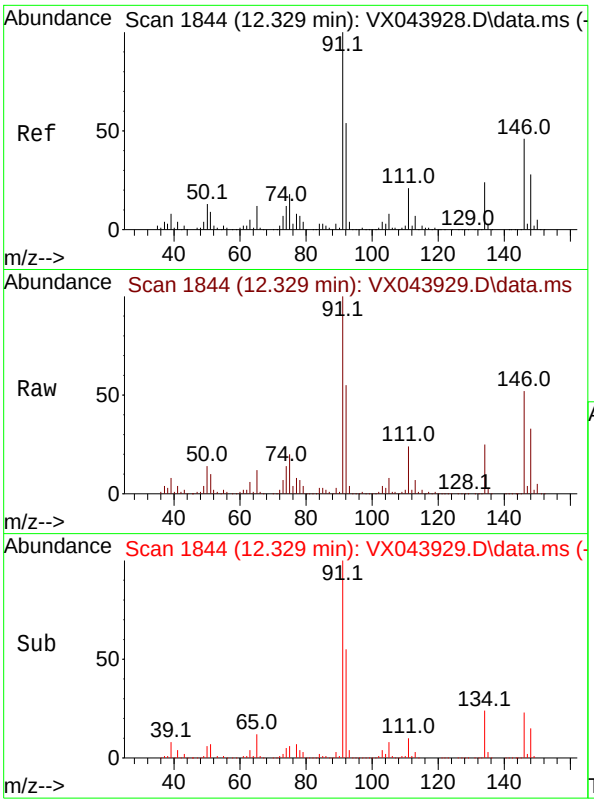


#88
1,4-Dichlorobenzene
Concen: 97.283 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:146 Resp: 343312

Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.1	60.3
148	63.7	30.9	92.8



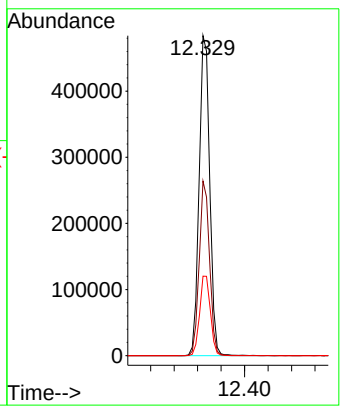


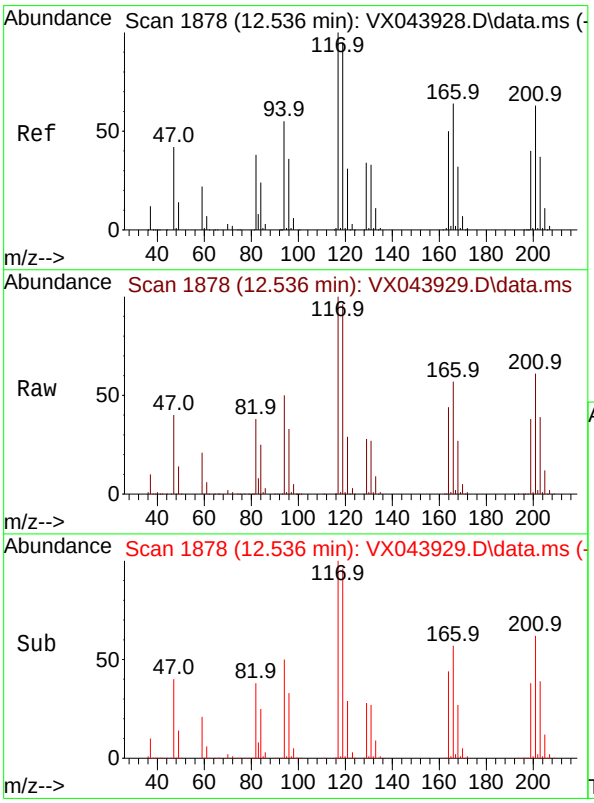
#89
n-Butylbenzene
Concen: 105.767 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 605284

Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.6	79.8
134	25.4	12.4	37.2

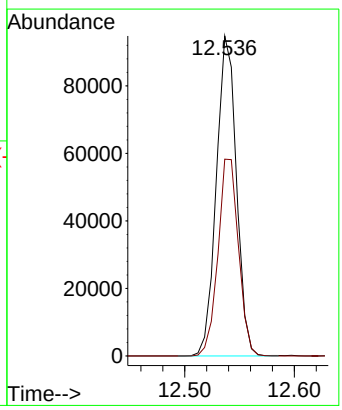


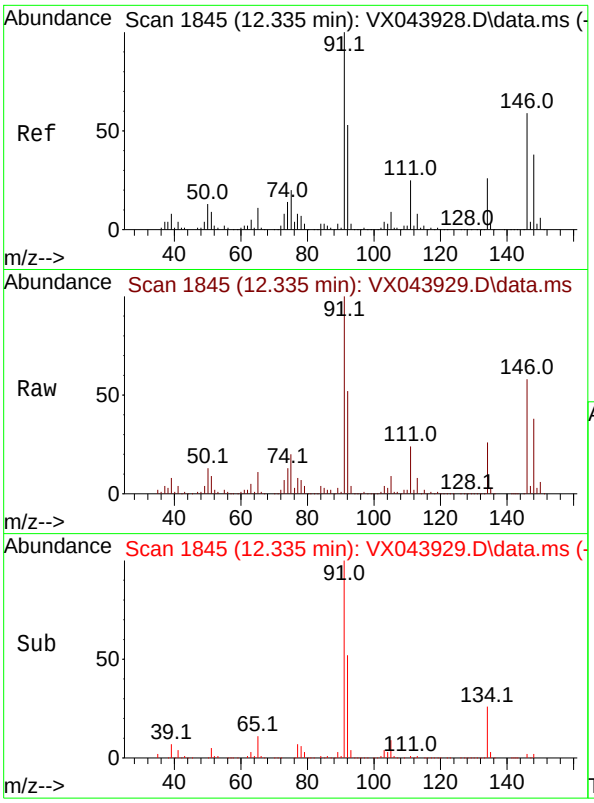


#90
Hexachloroethane
Concen: 109.549 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:117 Resp: 120913

Ion	Ratio	Lower	Upper
117	100		
201	62.9	32.4	97.0



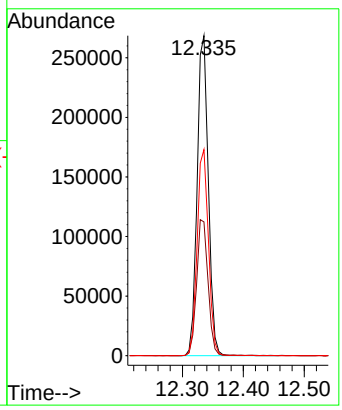


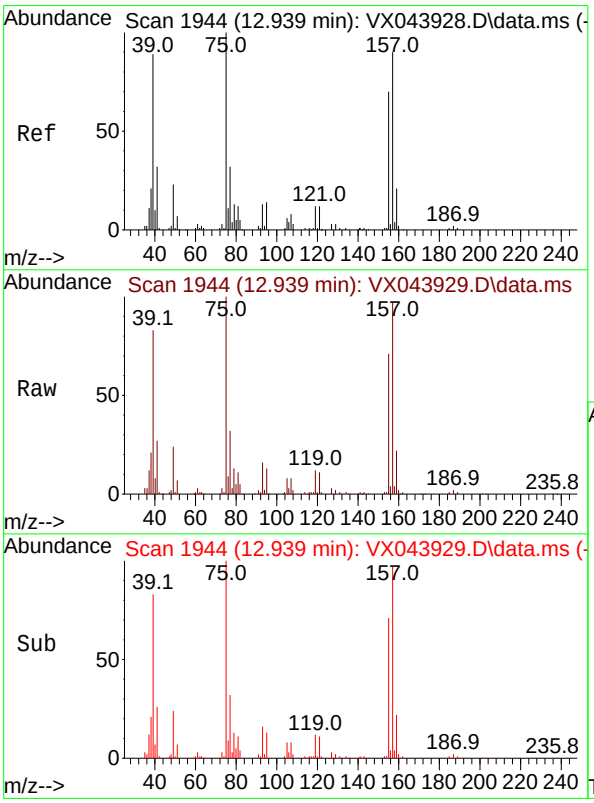
#91
1,2-Dichlorobenzene
Concen: 97.457 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 341767

Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.5	64.5
148	65.0	31.9	95.5

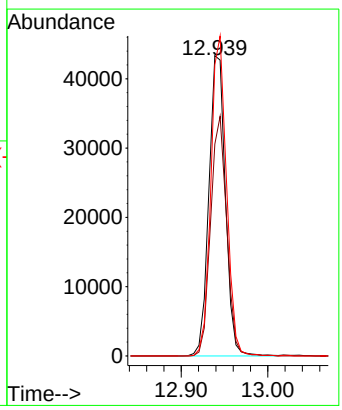


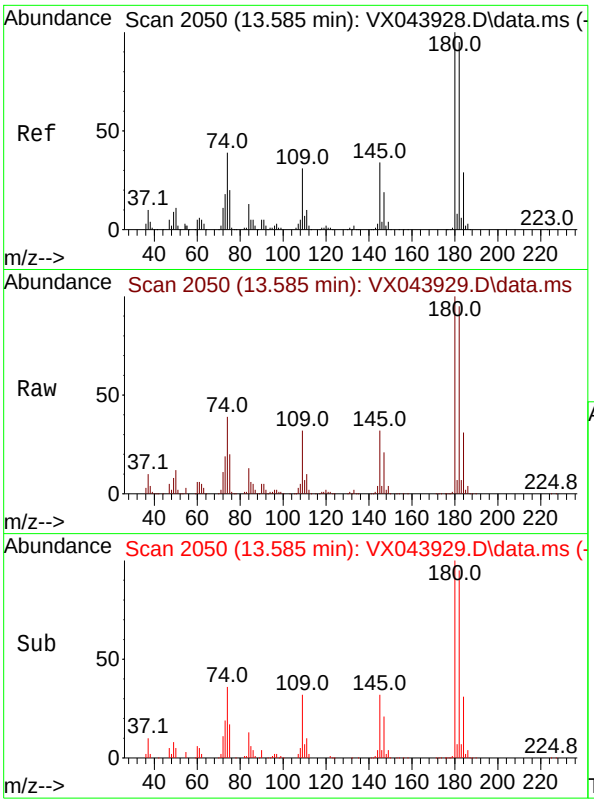


#92
1,2-Dibromo-3-Chloropropane
Concen: 104.396 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 75 Resp: 57287

Ion	Ratio	Lower	Upper
75	100		
155	77.8	40.1	120.2
157	100.9	49.6	149.0



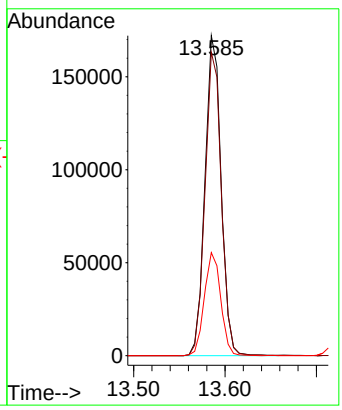


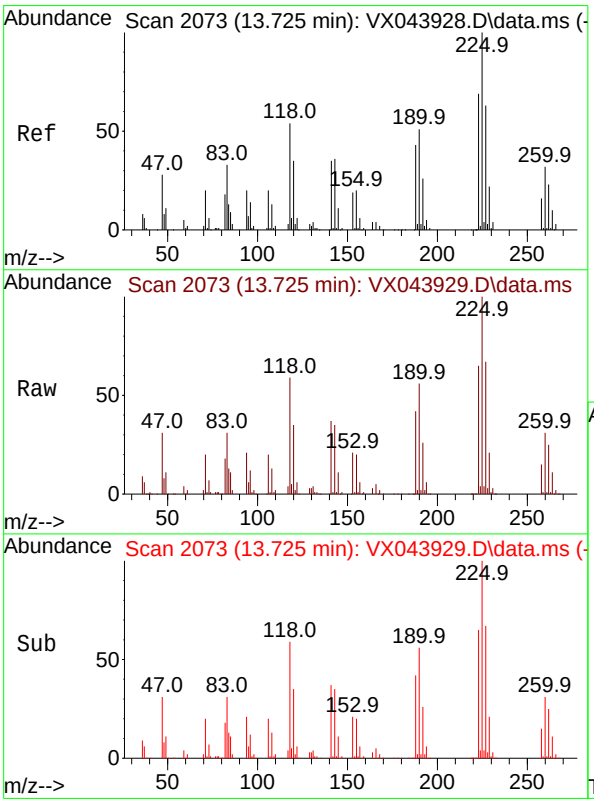
#93
1,2,4-Trichlorobenzene
Concen: 101.849 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:180 Resp: 210571

Ion	Ratio	Lower	Upper
180	100		
182	95.6	48.0	144.2
145	32.8	16.8	50.4

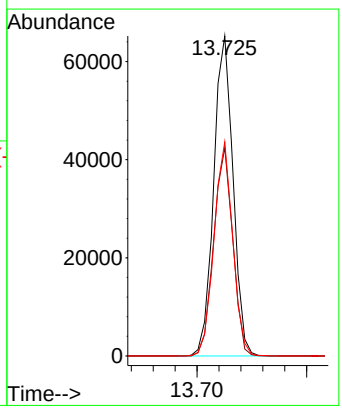


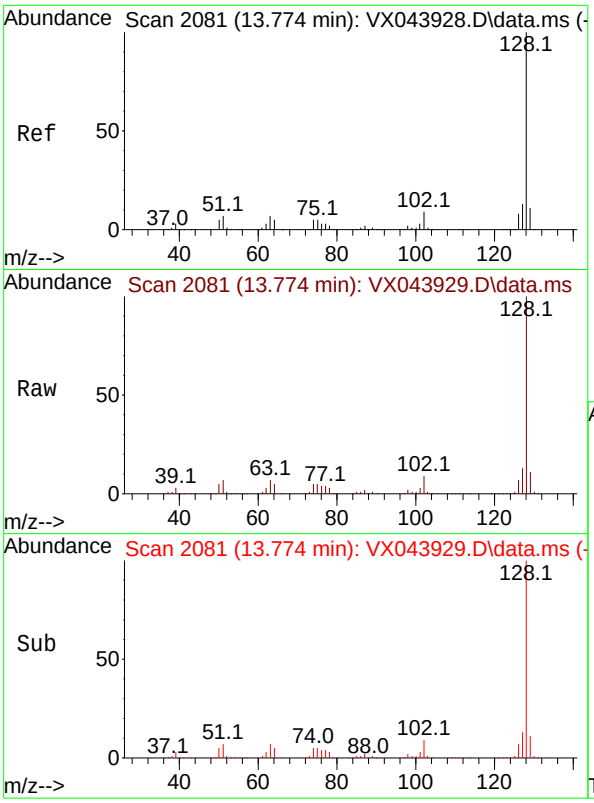


#94
Hexachlorobutadiene
Concen: 97.688 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:225 Resp: 79822

Ion	Ratio	Lower	Upper
225	100		
223	64.1	32.9	98.6
227	65.0	31.6	94.8



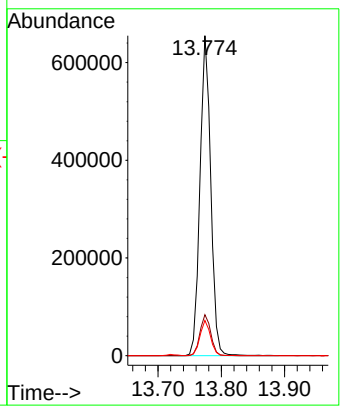


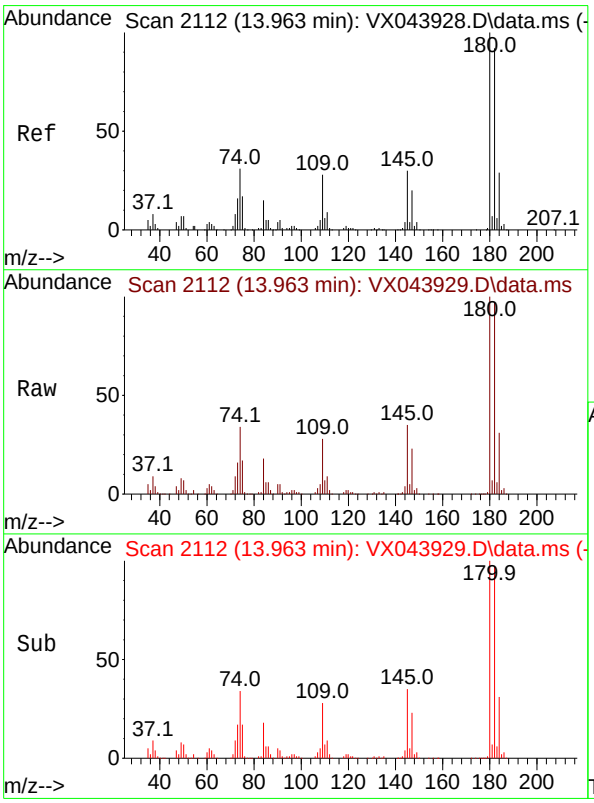
#95
Naphthalene
Concen: 104.367 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 776740

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.8	8.6	12.8

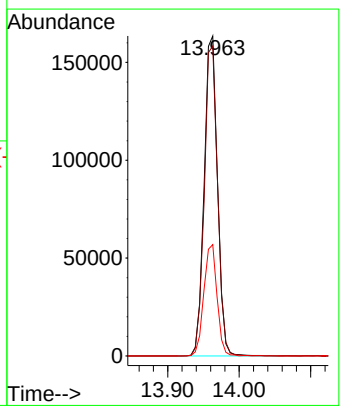




#96
1,2,3-Trichlorobenzene
Concen: 101.219 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:180 Resp: 211814

Ion	Ratio	Lower	Upper
180	100		
182	96.8	45.6	136.8
145	34.6	16.4	49.4



Quantitation Report (Not Reviewed)

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

Quant Time: Nov 22 03:32:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	132286	50.000	ug/l	0.01
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	153.852	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 307.700%#			
35) Dibromofluoromethane	5.385	113	268135	157.906	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 315.820%#			
50) Toluene-d8	8.647	98	896413	153.143	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 306.280%#			
62) 4-Bromofluorobenzene	11.079	95	324612	162.951	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 325.900%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	241389	144.040	ug/l	99
3) Chloromethane	1.294	50	268770	152.406	ug/l	99
4) Vinyl Chloride	1.374	62	271568	144.779	ug/l	99
5) Bromomethane	1.593	94	175581	152.160	ug/l	99
6) Chloroethane	1.660	64	140375	122.817	ug/l	99
7) Trichlorofluoromethane	1.861	101	527057	157.163	ug/l	100
8) Diethyl Ether	2.136	74	185146	151.473	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.312	101	237653	148.564	ug/l	99
10) Methyl Iodide	2.440	142	299792	150.056	ug/l	99
11) Tert butyl alcohol	3.014	59	306168	840.696	ug/l	100
12) 1,1-Dichloroethene	2.306	96	228504	149.905	ug/l	99
13) Acrolein	2.239	56	294638	767.557	ug/l	97
14) Allyl chloride	2.654	41	394228	158.278	ug/l	98
15) Acrylonitrile	3.068	53	684169	770.903	ug/l	99
16) Acetone	2.392	43	734161	704.500	ug/l	99
17) Carbon Disulfide	2.501	76	554853	176.465	ug/l	99
18) Methyl Acetate	2.703	43	361338	148.895	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	869848	157.161	ug/l	100
20) Methylene Chloride	2.782	84	260099	147.078	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	245485	155.985	ug/l	98
22) Diisopropyl ether	3.763	45	835960	156.960	ug/l	97
23) Vinyl Acetate	3.721	43	3797951	833.608	ug/l	99
24) 1,1-Dichloroethane	3.599	63	479590	156.091	ug/l	99
25) 2-Butanone	4.568	43	1012692	753.134	ug/l	100
26) 2,2-Dichloropropane	4.465	77	440061	158.591	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	304342	156.447	ug/l	100
28) Bromochloromethane	4.891	49	207753	153.614	ug/l	97
29) Tetrahydrofuran	5.007	42	617277	748.806	ug/l	99
30) Chloroform	5.092	83	513285	155.325	ug/l	96
31) Cyclohexane	5.458	56	367157	145.191	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	455922	159.987	ug/l	99
36) 1,1-Dichloropropene	5.684	75	331239	156.540	ug/l	97
37) Ethyl Acetate	4.721	43	393670	149.876	ug/l	99
38) Carbon Tetrachloride	5.672	117	376287	158.262	ug/l	99
39) Methylcyclohexane	7.372	83	410333	149.269	ug/l	97
40) Benzene	6.031	78	999210	151.598	ug/l	100

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

Quant Time: Nov 22 03:32:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	206026	153.252	ug/l		94
42) 1,2-Dichloroethane	6.080	62	397508	150.163	ug/l		99
43) Isopropyl Acetate	6.342	43	661839	158.329	ug/l		100
44) Trichloroethene	7.123	130	251071	134.559	ug/l		94
45) 1,2-Dichloropropane	7.427	63	249394	154.486	ug/l		98
46) Dibromomethane	7.580	93	202329	158.440	ug/l		99
47) Bromodichloromethane	7.818	83	388259	169.524	ug/l		100
48) Methyl methacrylate	7.690	41	315872	157.479	ug/l		99
49) 1,4-Dioxane	7.665	88	106634	3083.461	ug/l		91
51) 4-Methyl-2-Pentanone	8.580	43	1954925	766.353	ug/l		99
52) Toluene	8.714	92	607179	153.910	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	406346	173.984	ug/l		98
54) cis-1,3-Dichloropropene	8.366	75	428549	167.379	ug/l		98
55) 1,1,2-Trichloroethane	9.153	97	245706	150.879	ug/l		98
56) Ethyl methacrylate	9.116	69	420409	165.742	ug/l		100
57) 1,3-Dichloropropane	9.305	76	416811	151.939	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.244	63	1023576	753.191	ug/l		99
59) 2-Hexanone	9.433	43	1493755	779.070	ug/l		99
60) Dibromochloromethane	9.518	129	286188	175.154	ug/l		99
61) 1,2-Dibromoethane	9.610	107	261369	158.727	ug/l		99
64) Tetrachloroethene	9.268	164	202262	150.897	ug/l		97
65) Chlorobenzene	10.079	112	675513	151.304	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	241604	166.861	ug/l		99
67) Ethyl Benzene	10.195	91	1181693	156.200	ug/l		97
68) m/p-Xylenes	10.299	106	884067	313.360	ug/l		99
69) o-Xylene	10.640	106	436919	158.616	ug/l		99
70) Styrene	10.652	104	742061	162.878	ug/l		98
71) Bromoform	10.799	173	186691	150.272	ug/l	#	99
73) Isopropylbenzene	10.963	105	1135309	153.248	ug/l		100
74) N-amyl acetate	10.841	43	586560	170.913	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	379947	149.781	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	436650	210.095	ug/l		83
77) Bromobenzene	11.195	156	270671	153.159	ug/l		99
78) n-propylbenzene	11.305	91	1296979	156.752	ug/l		99
79) 2-Chlorotoluene	11.366	91	788163	150.642	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	936129	153.592	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	136104	175.724	ug/l		96
82) 4-Chlorotoluene	11.451	91	919566	155.679	ug/l		100
83) tert-Butylbenzene	11.713	119	945058	156.438	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	933275	153.802	ug/l		99
85) sec-Butylbenzene	11.890	105	1148877	155.218	ug/l		99
86) p-Isopropyltoluene	12.006	119	972007	161.670	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	490336	152.338	ug/l		100
88) 1,4-Dichlorobenzene	12.042	146	494318	151.224	ug/l		98
89) n-Butylbenzene	12.329	91	903805	170.502	ug/l		100
90) Hexachloroethane	12.536	117	180575	176.628	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	503214	154.918	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	87963	173.059	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	325289	169.860	ug/l		99
94) Hexachlorobutadiene	13.725	225	121126	160.037	ug/l		98
95) Naphthalene	13.774	128	1173154	170.179	ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	326693	168.544	ug/l		95

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

Quant Time: Nov 22 03:32:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

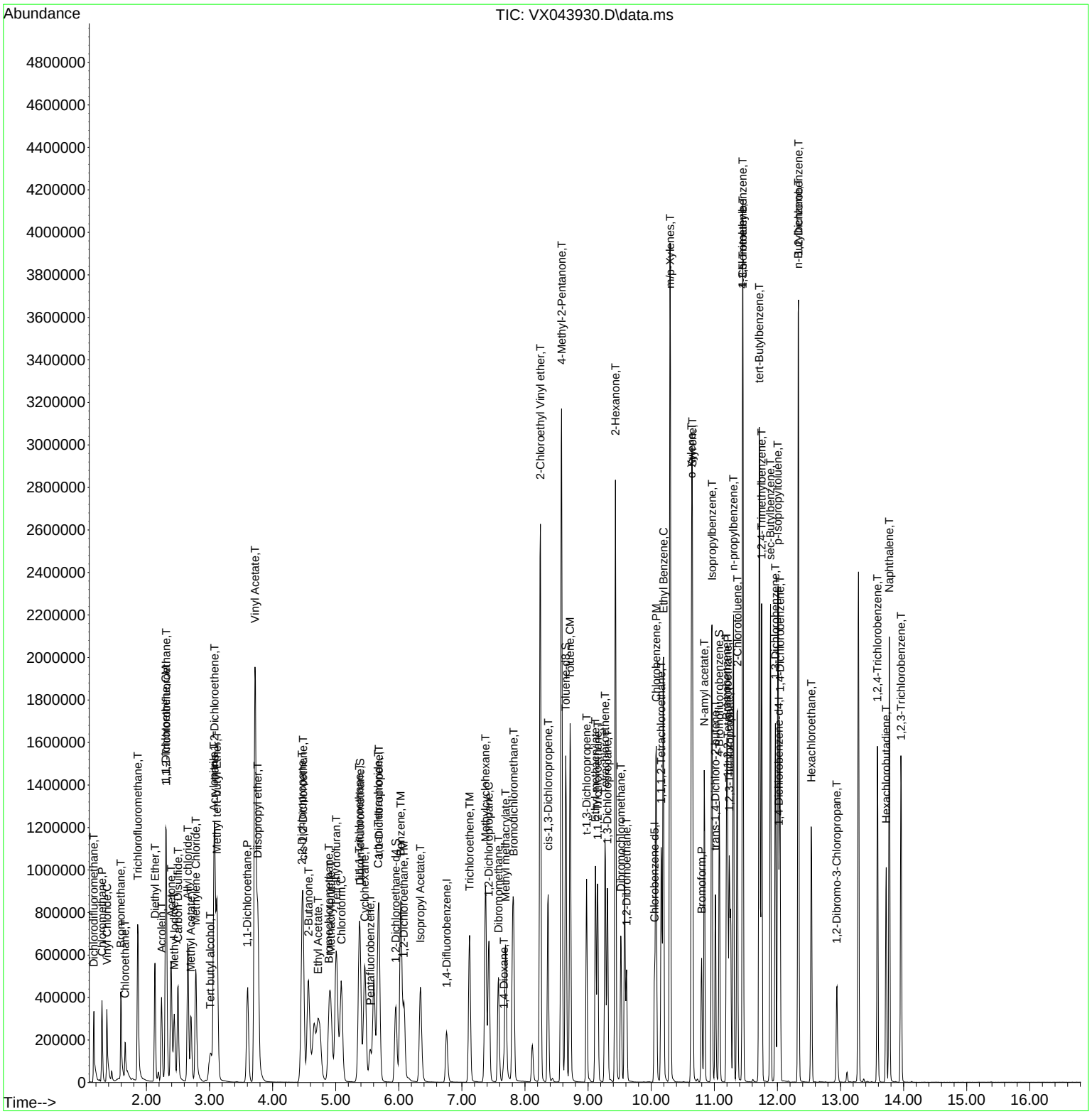
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

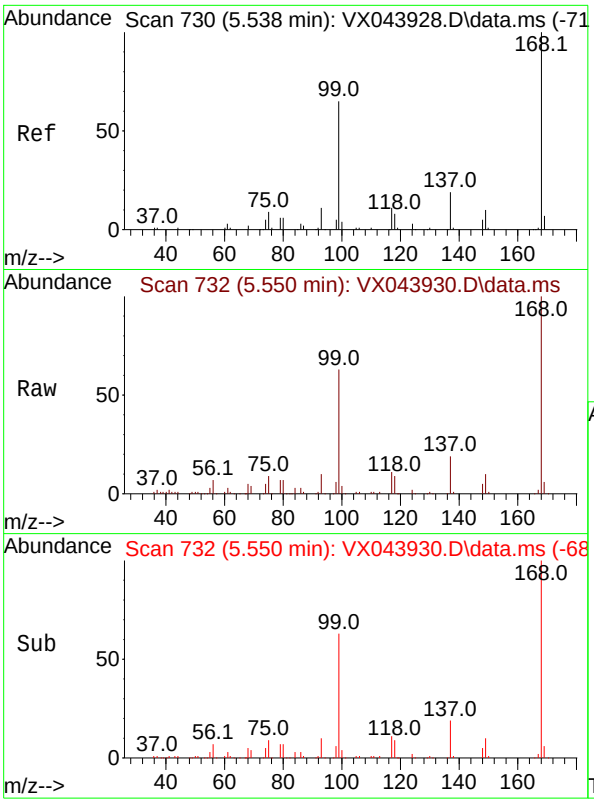
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\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

Quant Time: Nov 22 03:32:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration



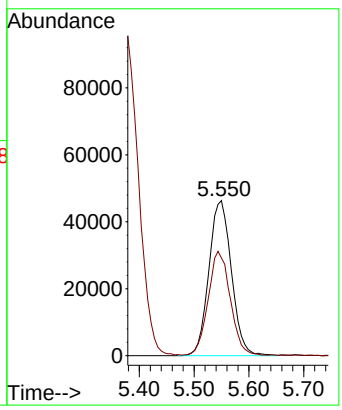


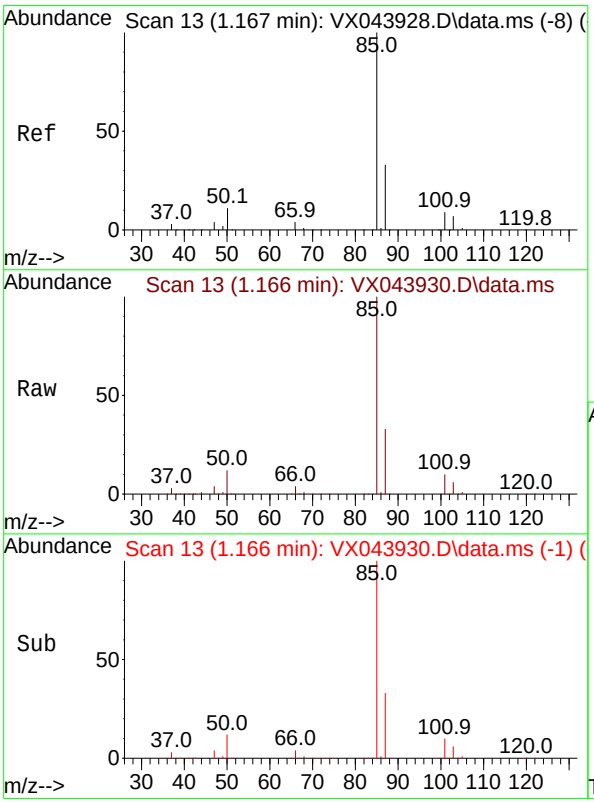
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.012 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:168 Resp: 132286

Ion	Ratio	Lower	Upper
168	100		
99	62.9	51.8	77.8

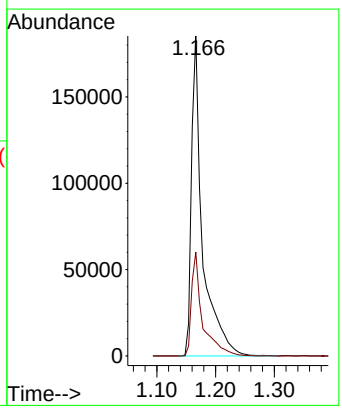


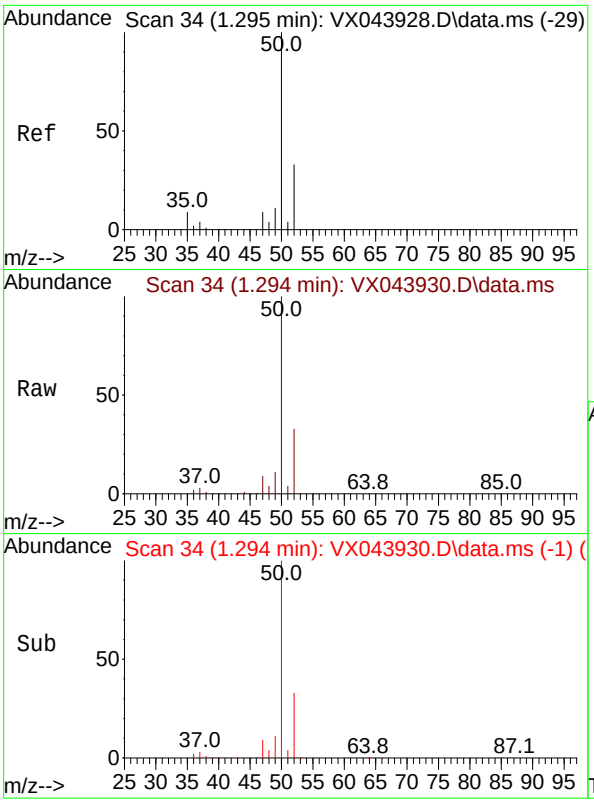


#2
Dichlorodifluoromethane
Concen: 144.040 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 85 Resp: 241389

Ion	Ratio	Lower	Upper
85	100		
87	32.5	16.6	49.8



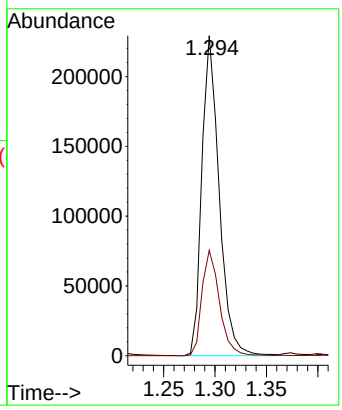


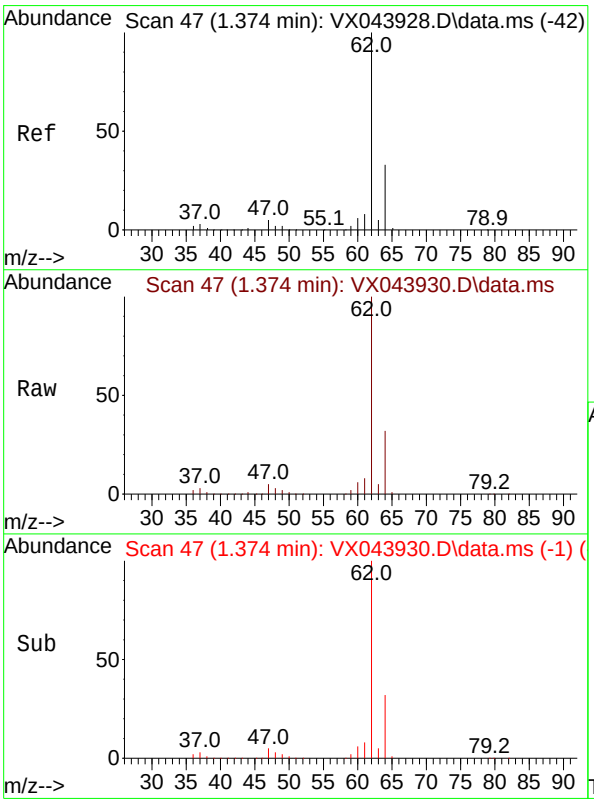
#3
Chloromethane
Concen: 152.406 ug/l
RT: 1.294 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 50 Resp: 268770

Ion	Ratio	Lower	Upper
50	100		
52	32.9	26.1	39.1

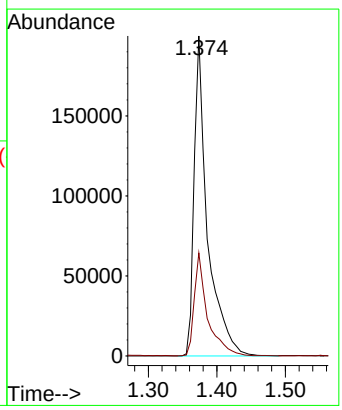


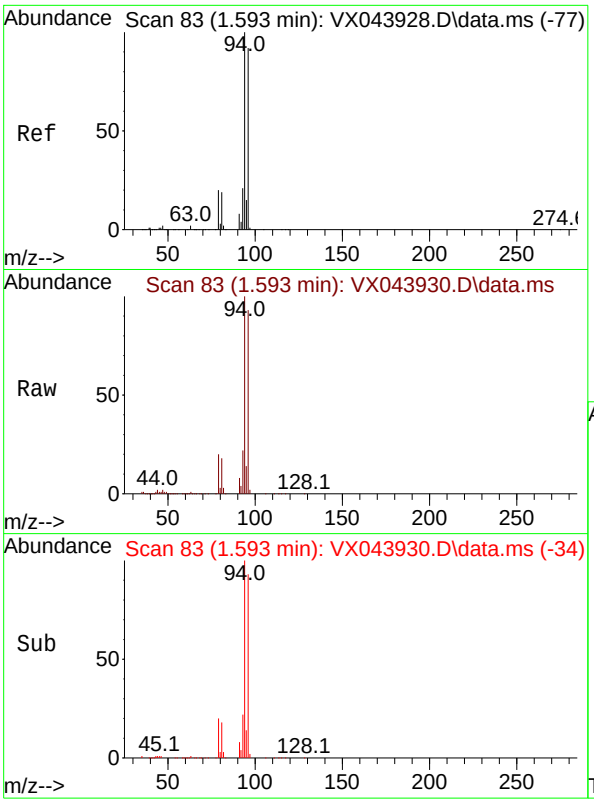


#4
Vinyl Chloride
Concen: 144.779 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 62 Resp: 271568

Ion	Ratio	Lower	Upper
62	100		
64	32.1	26.2	39.4



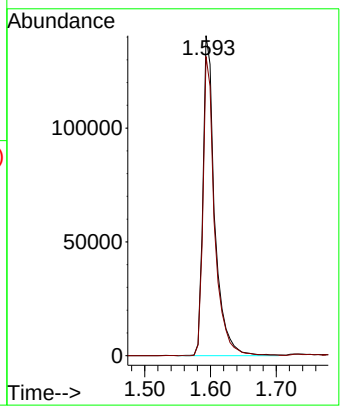


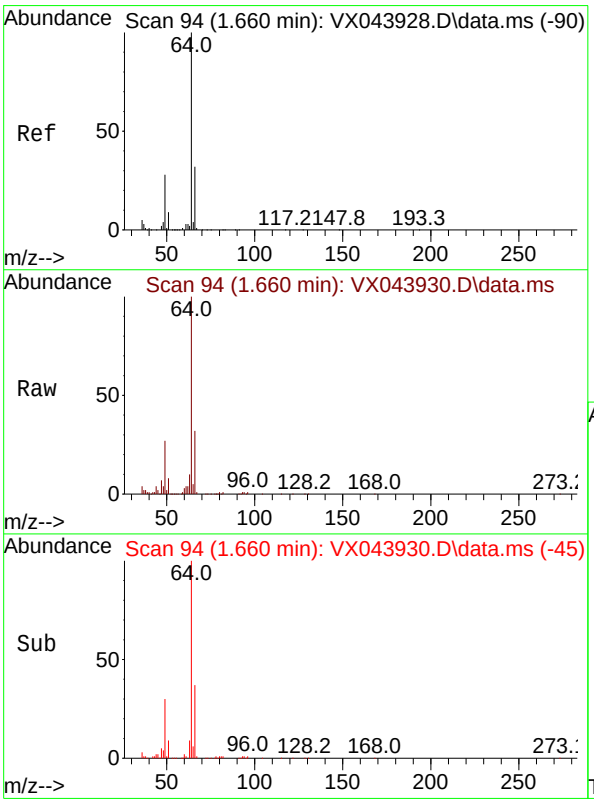
#5
Bromomethane
Concen: 152.160 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 94 Resp: 175581

Ion	Ratio	Lower	Upper
94	100		
96	93.5	73.9	110.9

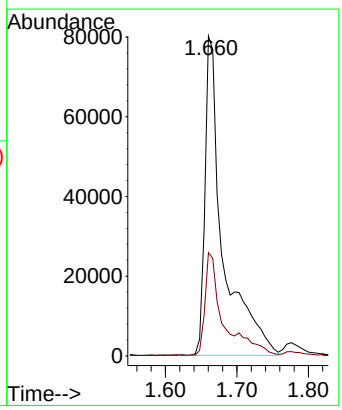


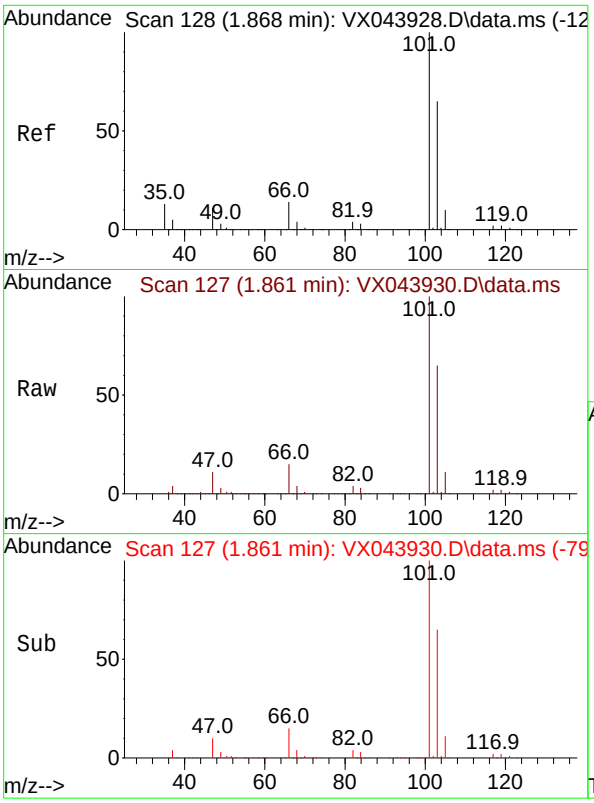


#6
Chloroethane
Concen: 122.817 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 64 Resp: 140375

Ion	Ratio	Lower	Upper
64	100		
66	32.0	25.9	38.9



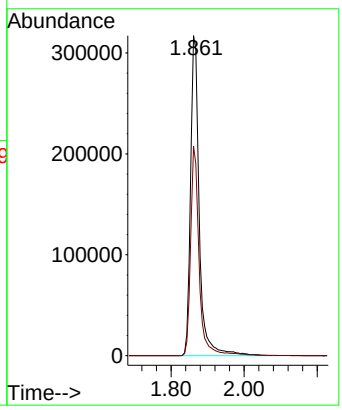


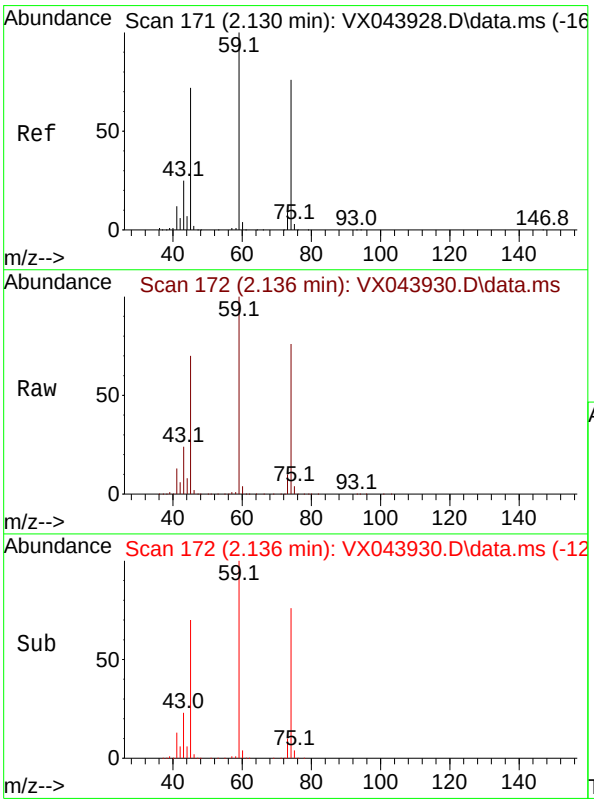
#7
Trichlorofluoromethane
Concen: 157.163 ug/l
RT: 1.861 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 527057

Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.2	78.2

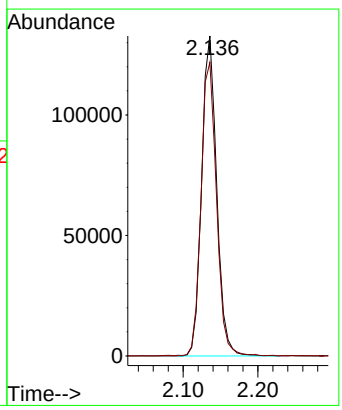


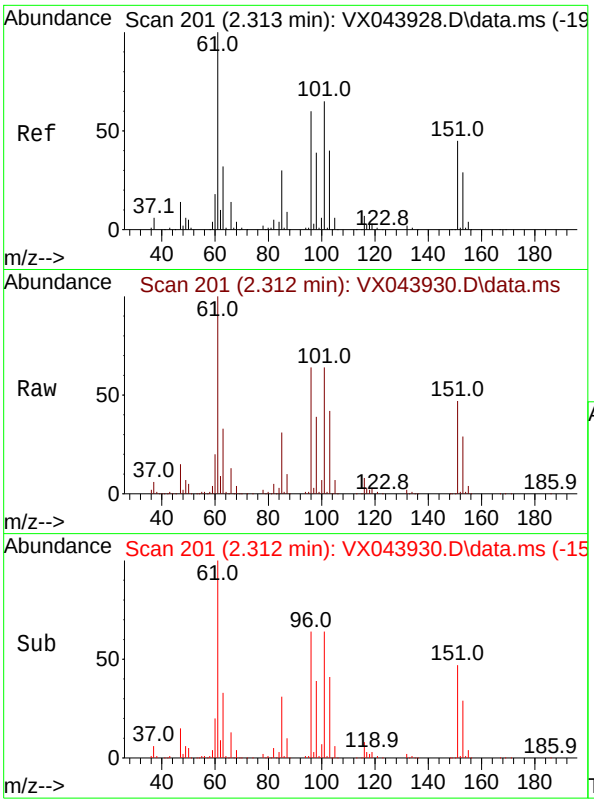


#8
Diethyl Ether
Concen: 151.473 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 74 Resp: 185146

Ion	Ratio	Lower	Upper
74	100		
45	94.1	47.9	143.6



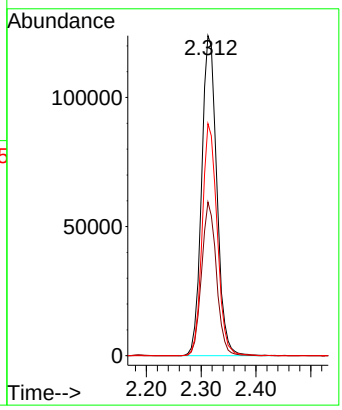


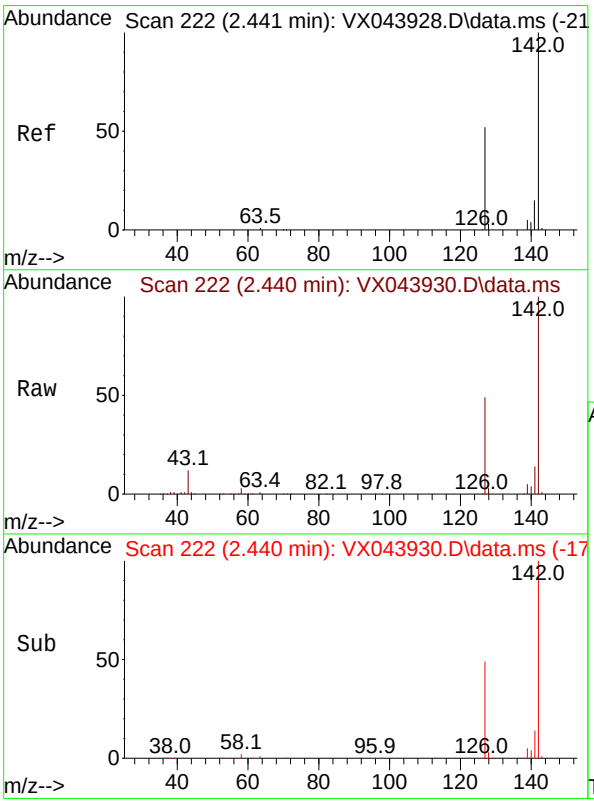
#9
1,1,2-Trichlorotrifluoroethane
Concen: 148.564 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 237653

Ion	Ratio	Lower	Upper
101	100		
85	46.8	37.9	56.9
151	71.3	57.5	86.3

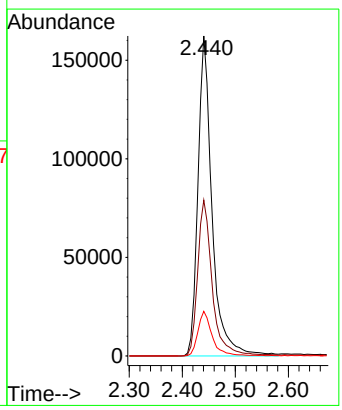


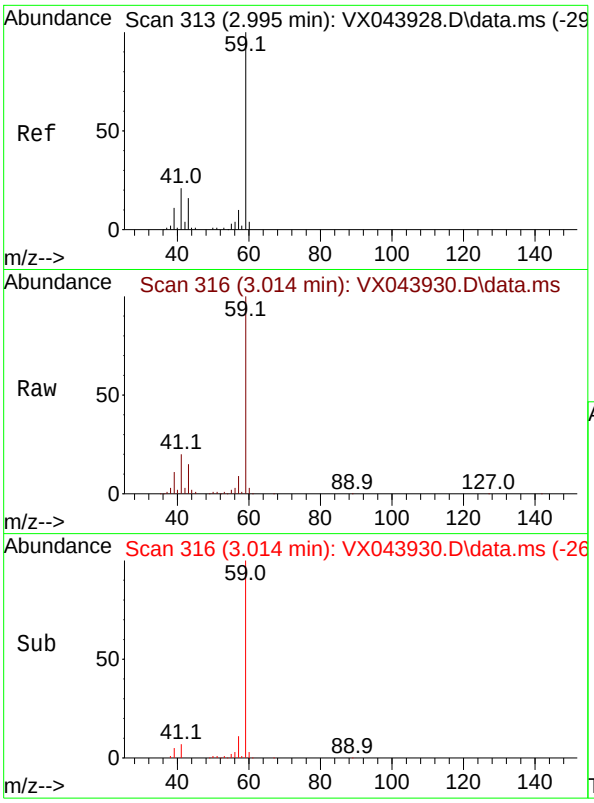


#10
Methyl Iodide
Concen: 150.056 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:142 Resp: 299792

Ion	Ratio	Lower	Upper
142	100		
127	50.1	40.7	61.1
141	14.2	12.0	18.0



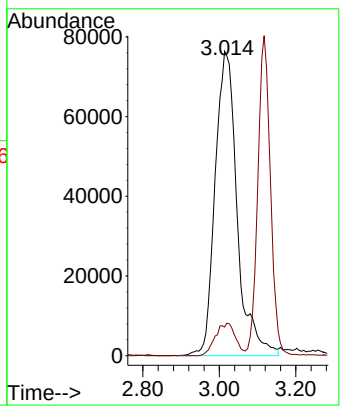


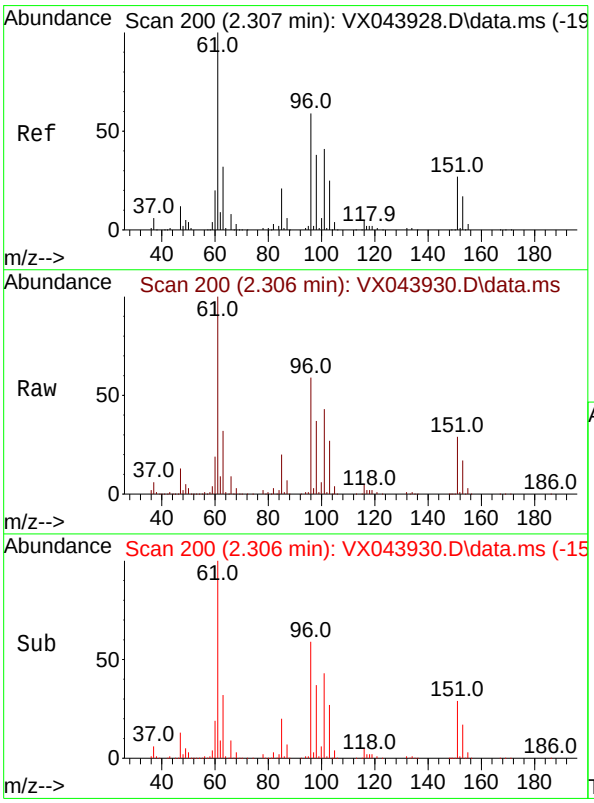
#11
Tert butyl alcohol
Concen: 840.696 ug/l
RT: 3.014 min Scan# 3
Delta R.T. 0.018 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 59 Resp: 306168

Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.9	11.9

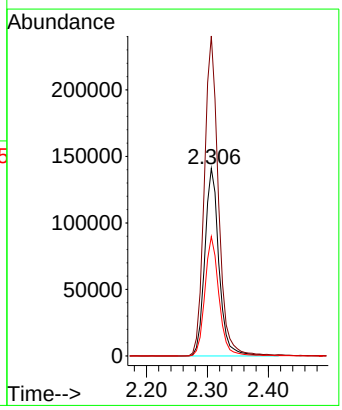


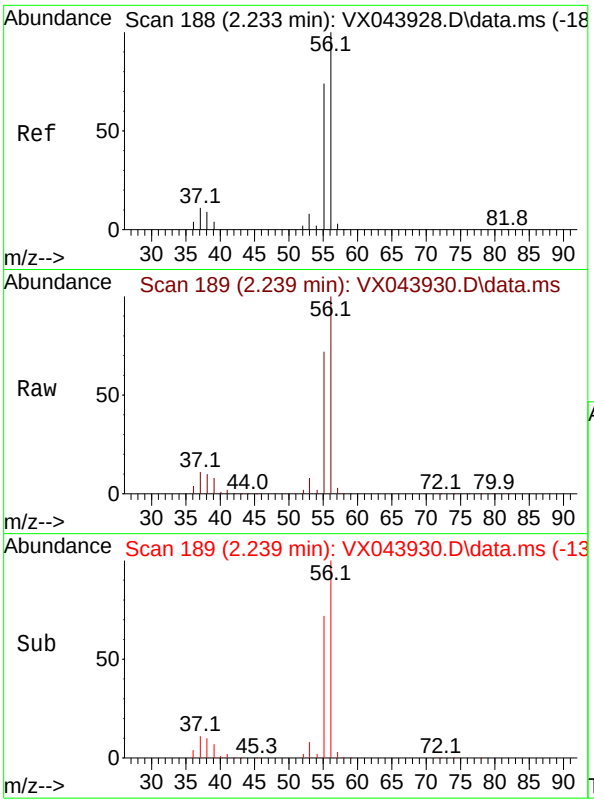


#12
1,1-Dichloroethene
Concen: 149.905 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 96 Resp: 228504

Ion	Ratio	Lower	Upper
96	100		
61	170.7	135.5	203.3
98	63.7	50.8	76.2



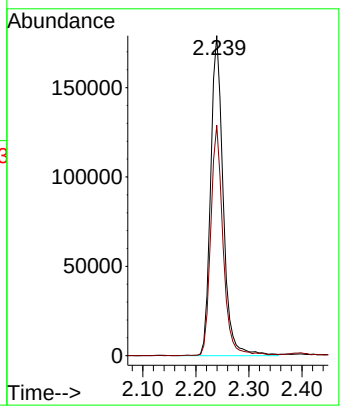


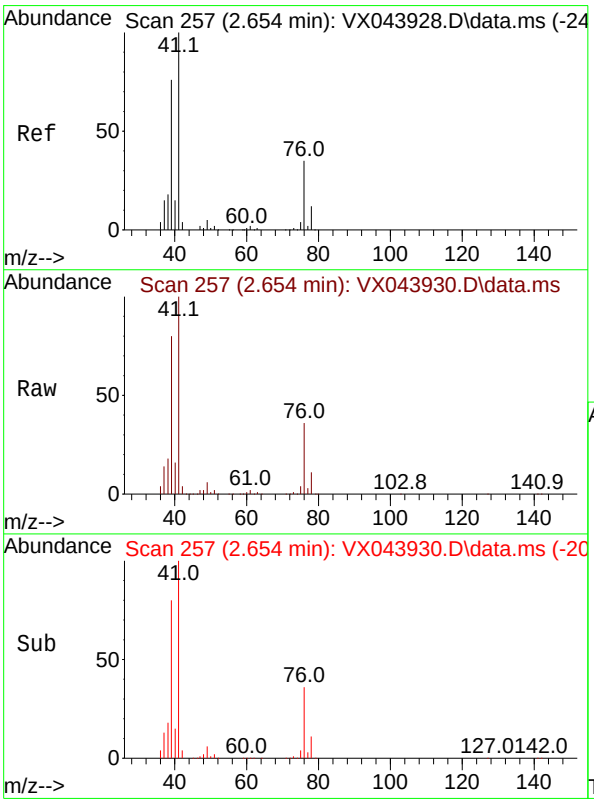
#13
Acrolein
Concen: 767.557 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 294638

Ion	Ratio	Lower	Upper
56	100		
55	70.1	58.2	87.2

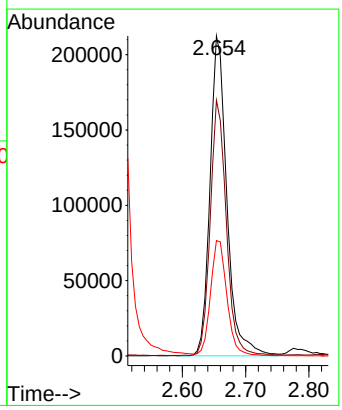


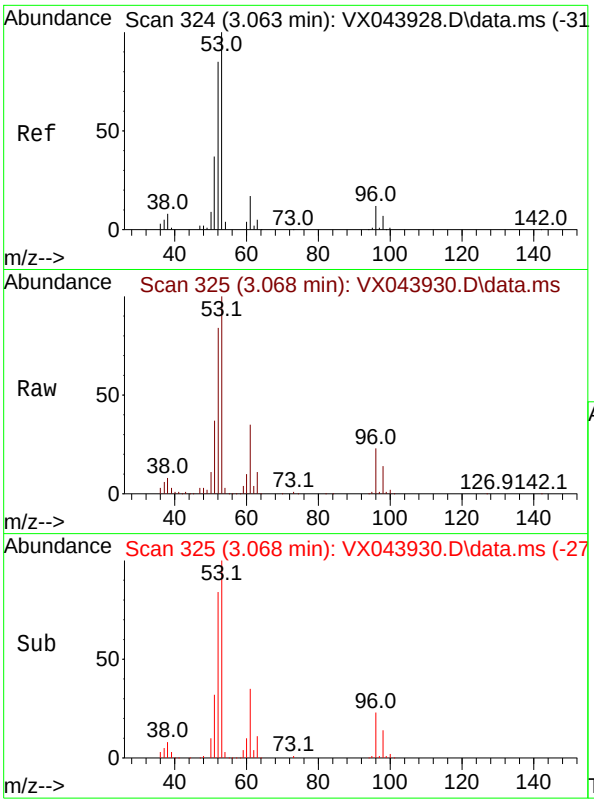


#14
Allyl chloride
Concen: 158.278 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 41 Resp: 394228

Ion	Ratio	Lower	Upper
41	100		
39	76.1	59.5	89.3
76	35.2	27.4	41.2



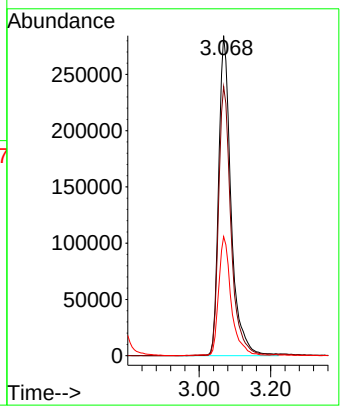


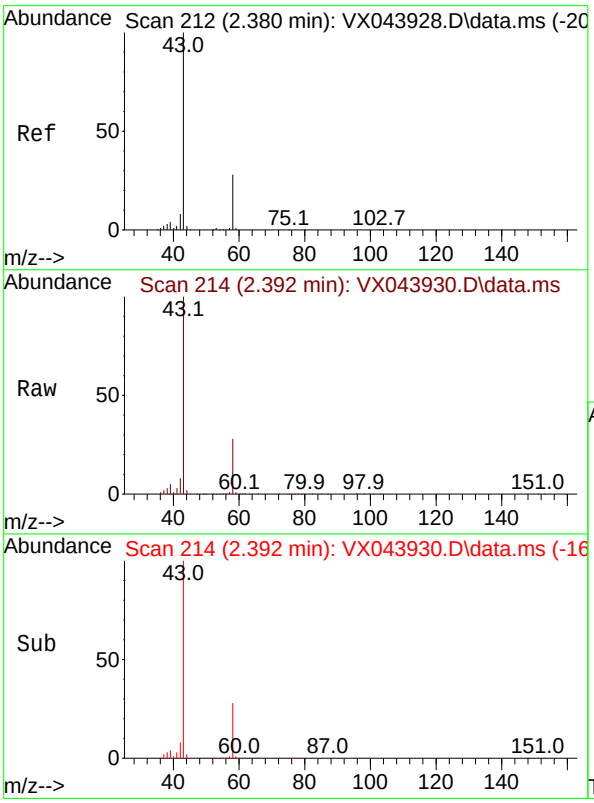
#15
Acrylonitrile
Concen: 770.903 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 53 Resp: 684169

Ion	Ratio	Lower	Upper
53	100		
52	83.9	66.5	99.7
51	37.1	30.2	45.4

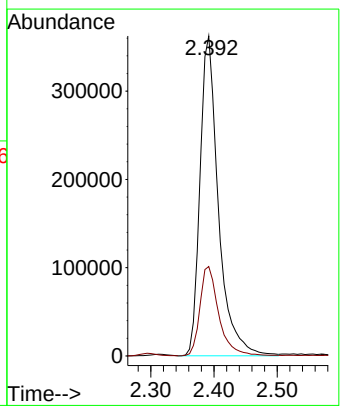


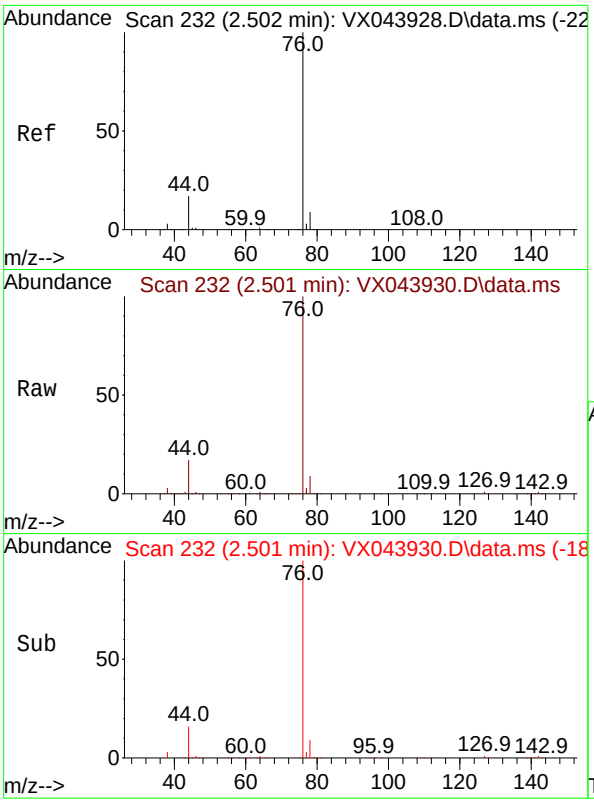


#16
Acetone
Concen: 704.500 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.012 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 43 Resp: 734161

Ion	Ratio	Lower	Upper
43	100		
58	27.9	22.7	34.1



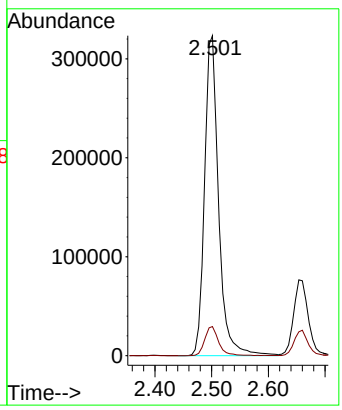


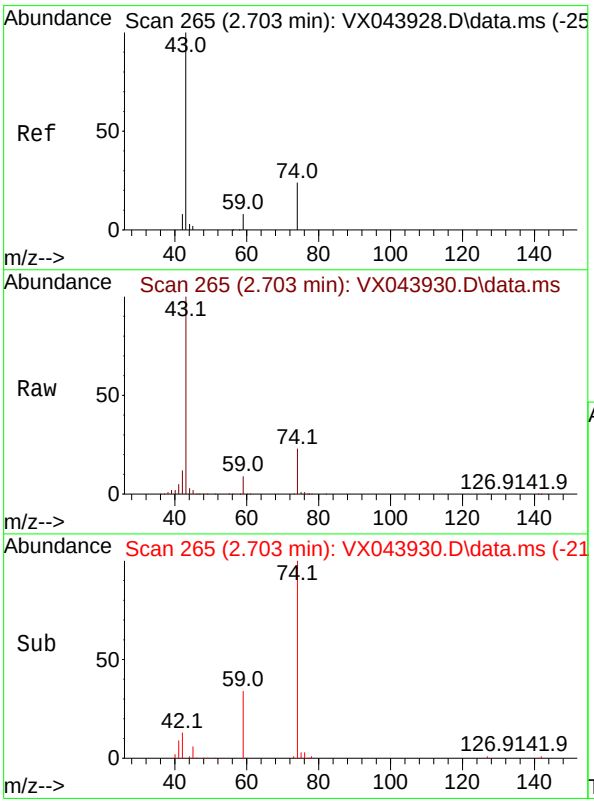
#17
Carbon Disulfide
Concen: 176.465 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 554853

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.6

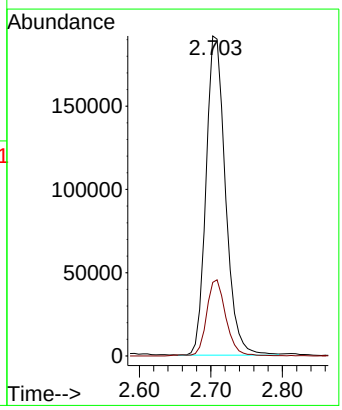


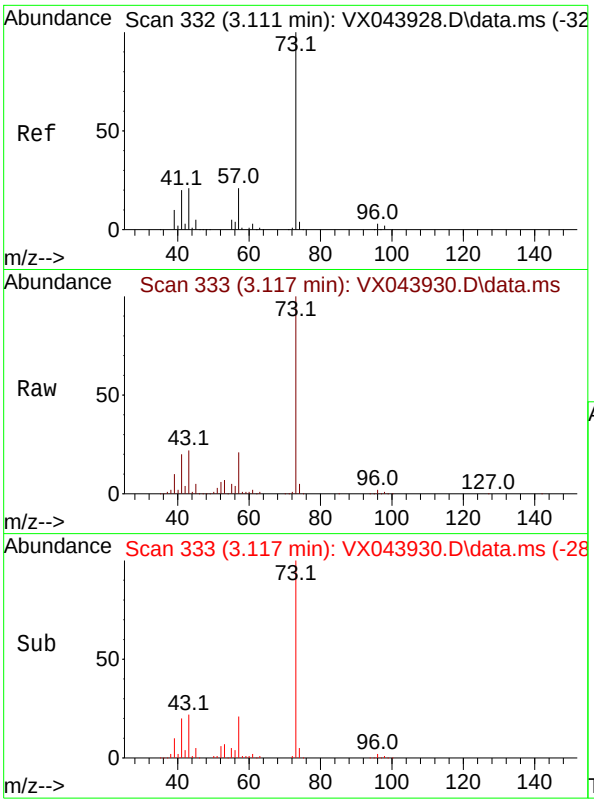


#18
Methyl Acetate
Concen: 148.895 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 43 Resp: 361338

Ion	Ratio	Lower	Upper
43	100		
74	24.0	18.9	28.3



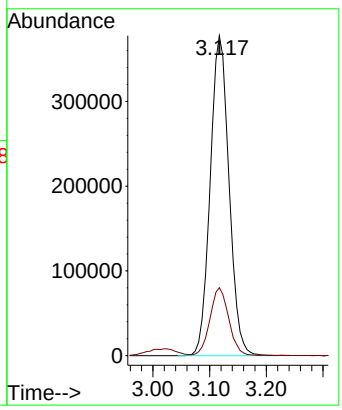


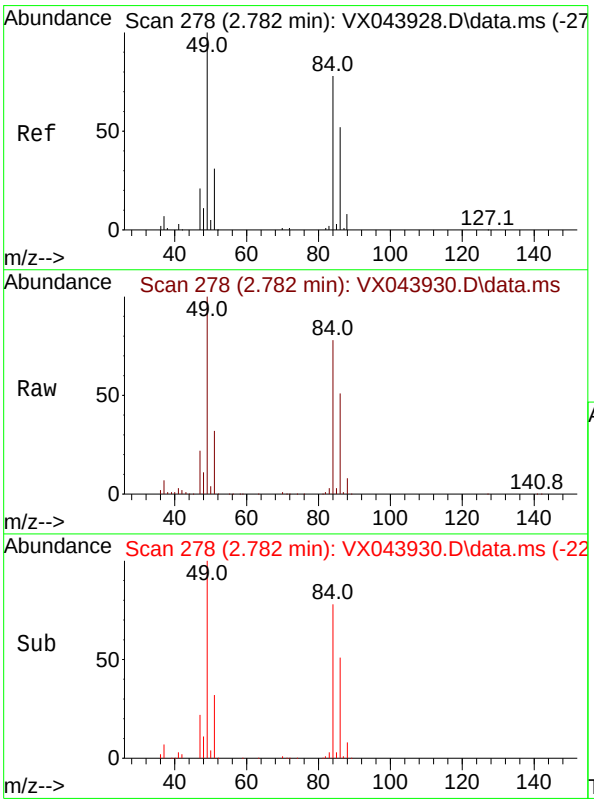
#19
Methyl tert-butyl Ether
Concen: 157.161 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 73 Resp: 869848

Ion	Ratio	Lower	Upper
73	100		
57	21.2	17.0	25.6

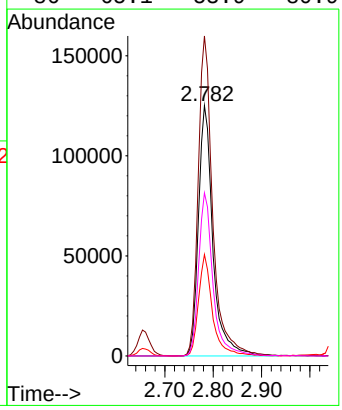


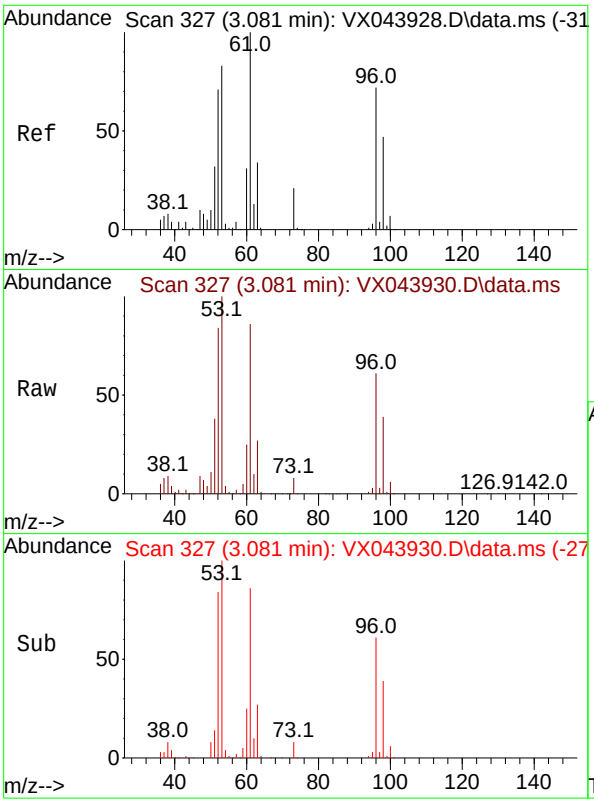


#20
Methylene Chloride
Concen: 147.078 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 84 Resp: 260099

Ion	Ratio	Lower	Upper
84	100		
49	127.7	102.7	154.1
51	40.5	31.7	47.5
86	65.1	53.9	80.9



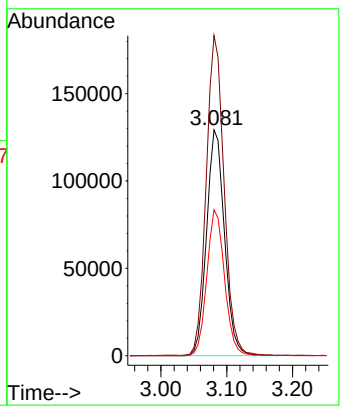


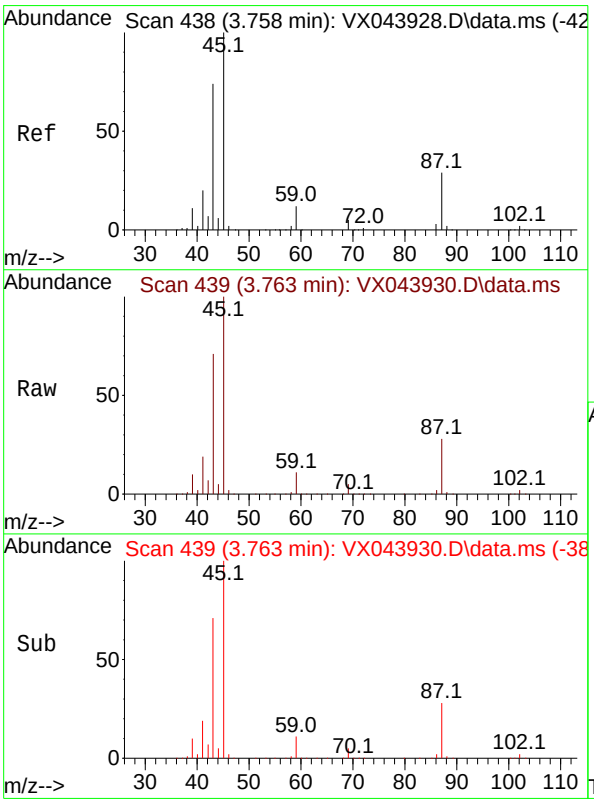
#21
trans-1,2-Dichloroethene
Concen: 155.985 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 245485

Ion	Ratio	Lower	Upper
96	100		
61	141.6	111.8	167.6
98	64.6	52.7	79.1

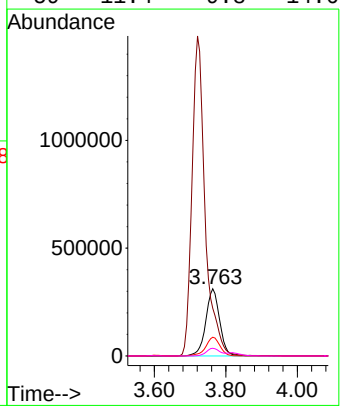


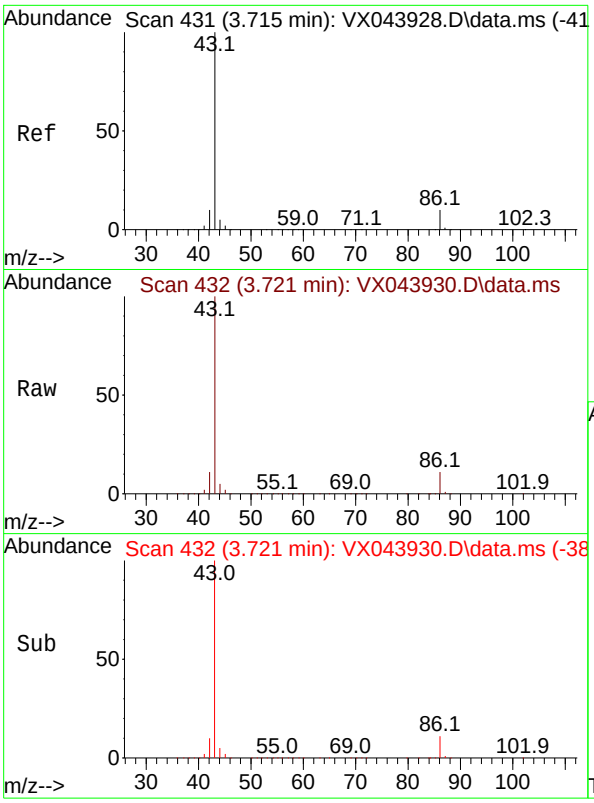


#22
Diisopropyl ether
Concen: 156.960 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 45 Resp: 835960

Ion	Ratio	Lower	Upper
45	100		
43	70.8	59.6	89.4
87	27.8	22.9	34.3
59	11.4	9.8	14.6



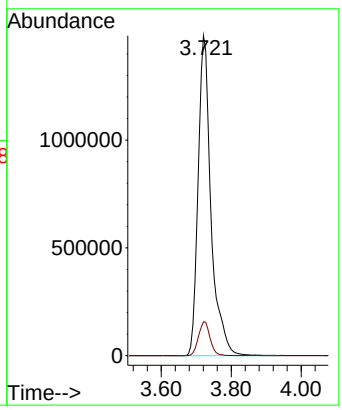


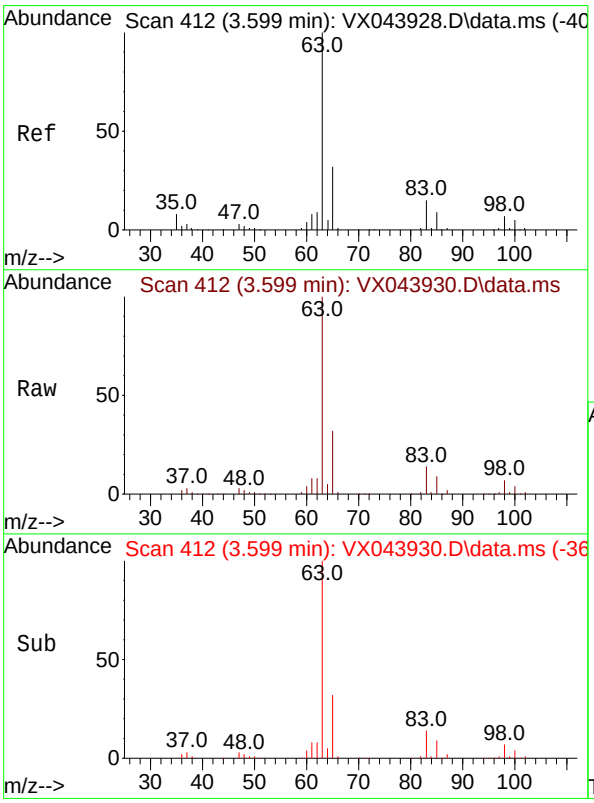
#23
Vinyl Acetate
Concen: 833.608 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 3797951

Ion	Ratio	Lower	Upper
43	100		
86	10.6	8.3	12.5

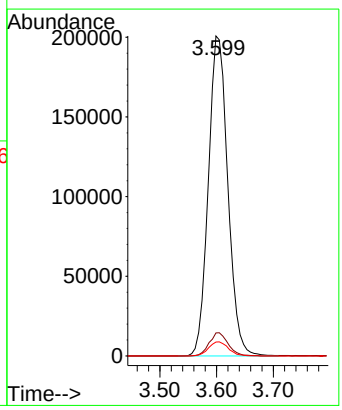


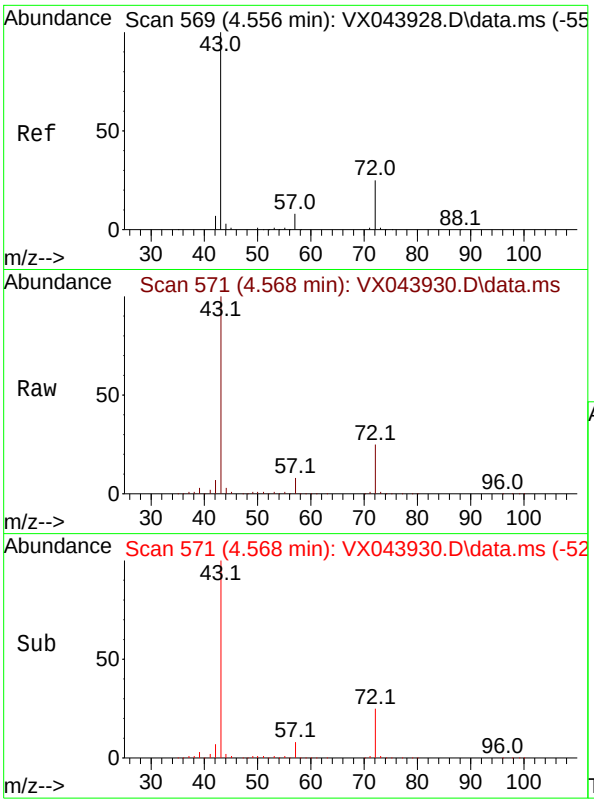


#24
1,1-Dichloroethane
Concen: 156.091 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 63 Resp: 479590

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.5	10.6
100	4.3	2.4	7.1



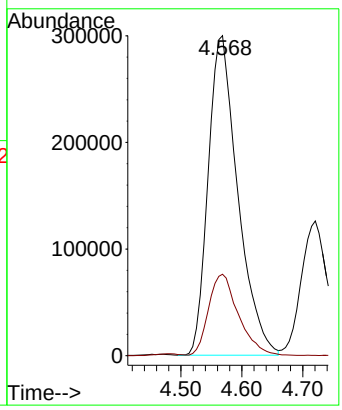


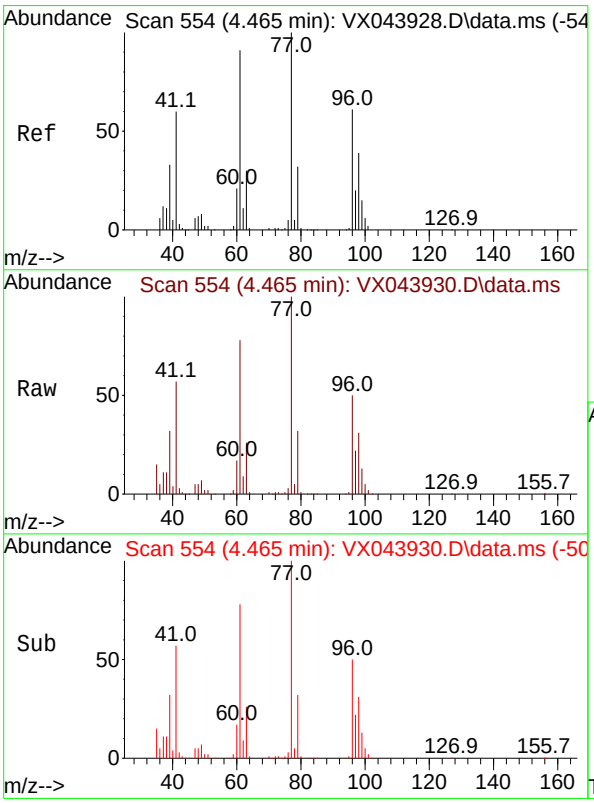
#25
2-Butanone
Concen: 753.134 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1012692

Ion	Ratio	Lower	Upper
43	100		
72	25.2	20.2	30.2

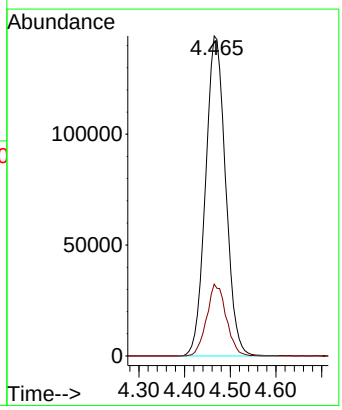


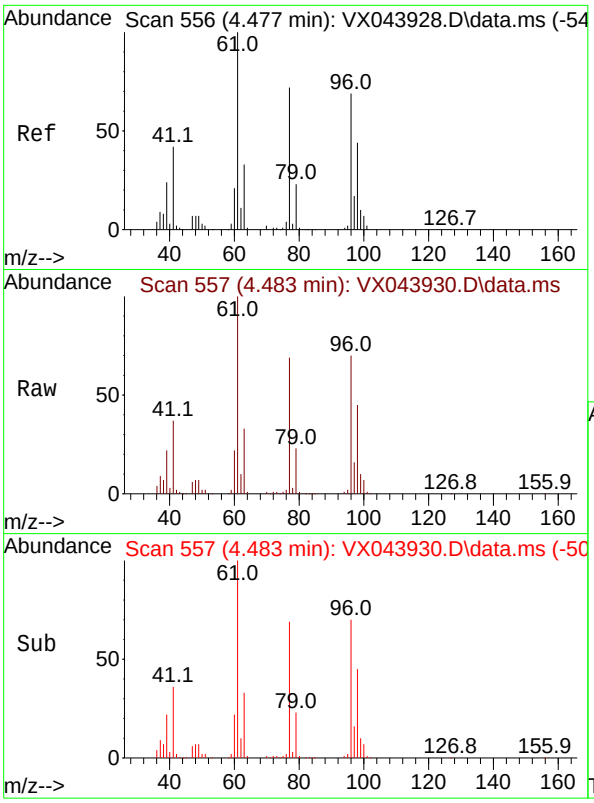


#26
2,2-Dichloropropane
Concen: 158.591 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 77 Resp: 440061

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.8	32.3



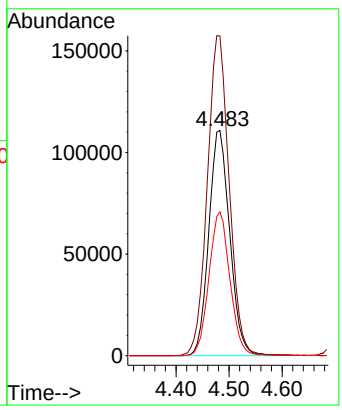


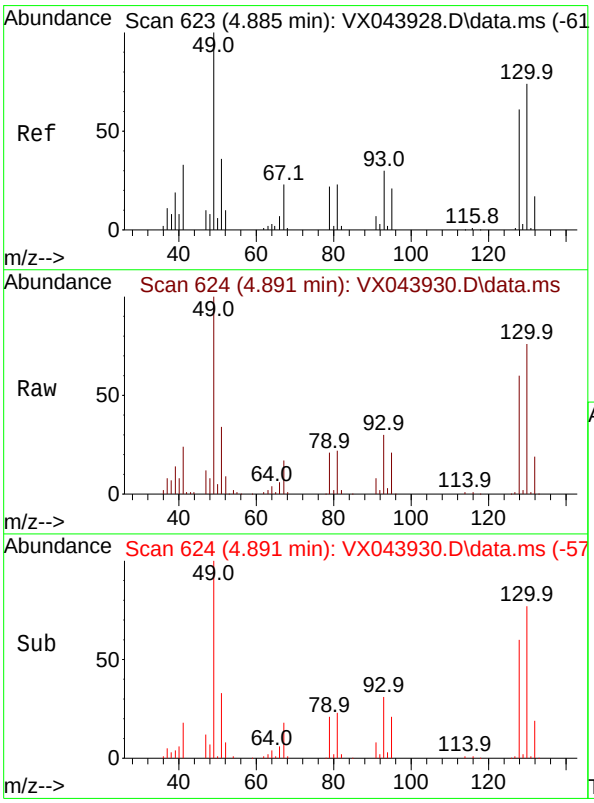
#27
cis-1,2-Dichloroethene
Concen: 156.447 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 304342

Ion	Ratio	Lower	Upper
96	100		
61	148.2	0.0	297.4
98	63.8	0.0	127.8

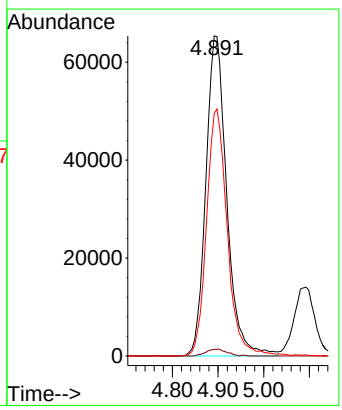


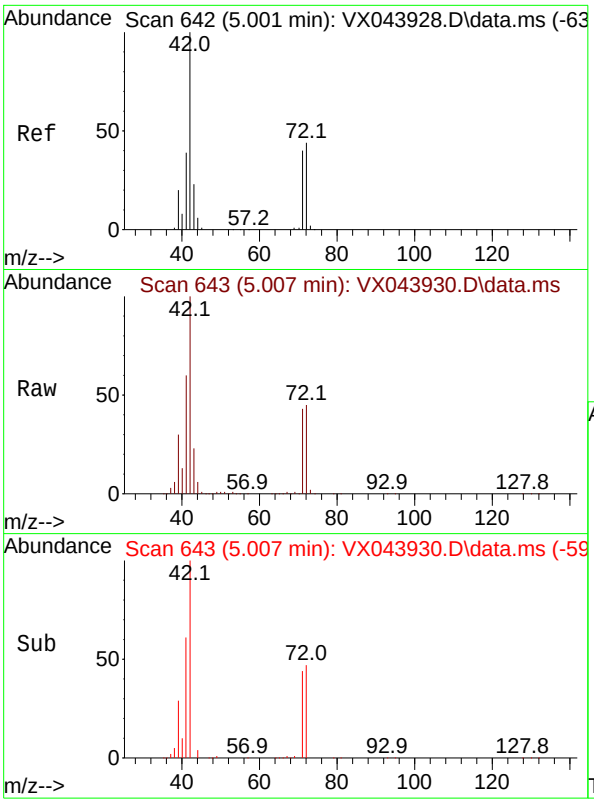


#28
Bromochloromethane
Concen: 153.614 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 49 Resp: 207753

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.0
130	76.4	59.0	88.6



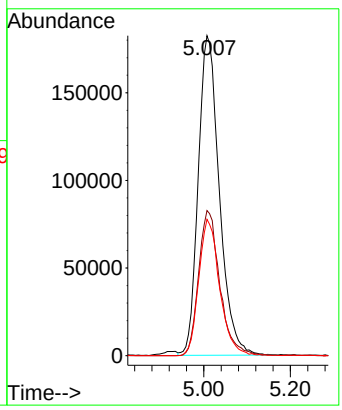


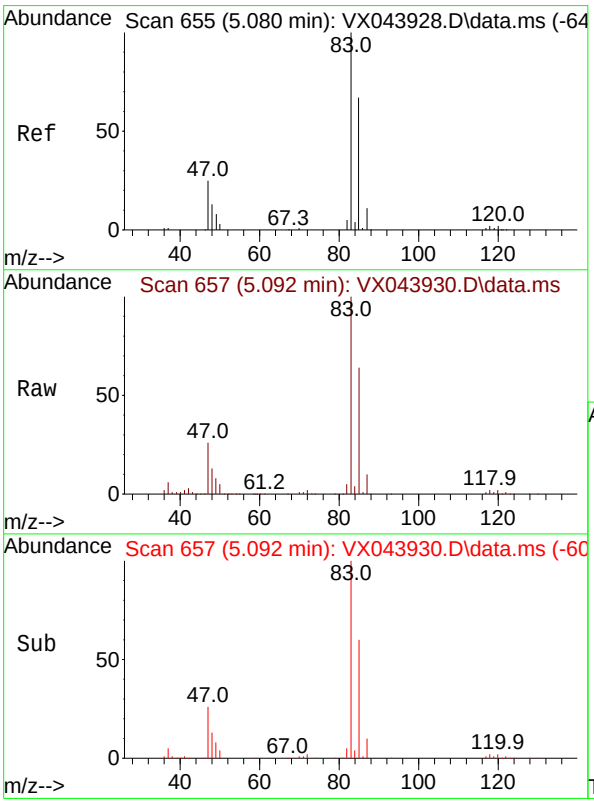
#29
Tetrahydrofuran
Concen: 748.806 ug/l
RT: 5.007 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 42 Resp: 617277

Ion	Ratio	Lower	Upper
42	100		
72	45.8	36.4	54.6
71	42.3	33.4	50.0

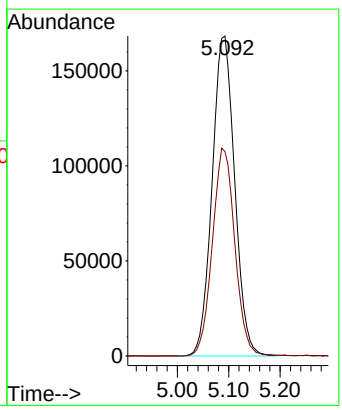


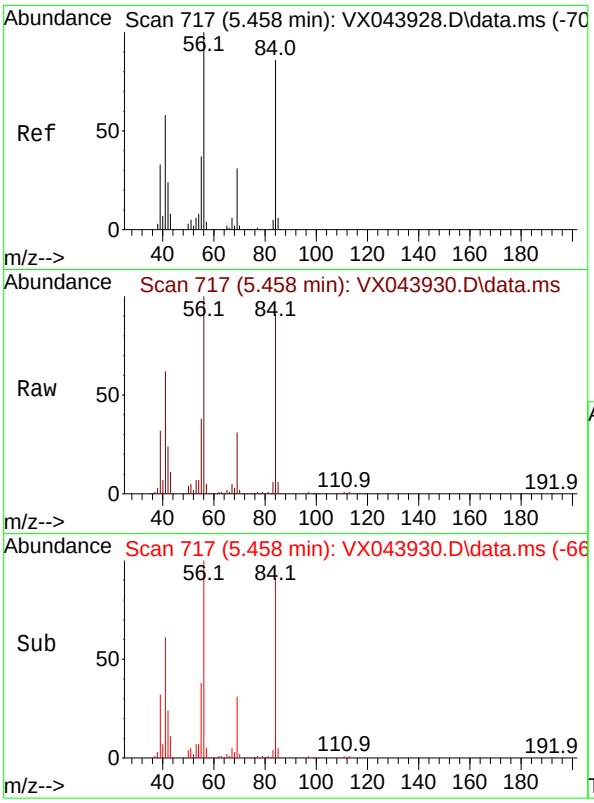


#30
Chloroform
Concen: 155.325 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.012 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 83 Resp: 513285

Ion	Ratio	Lower	Upper
83	100		
85	63.9	53.5	80.3



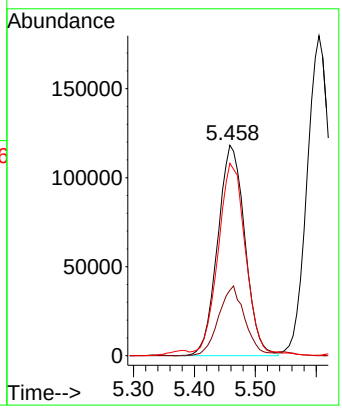


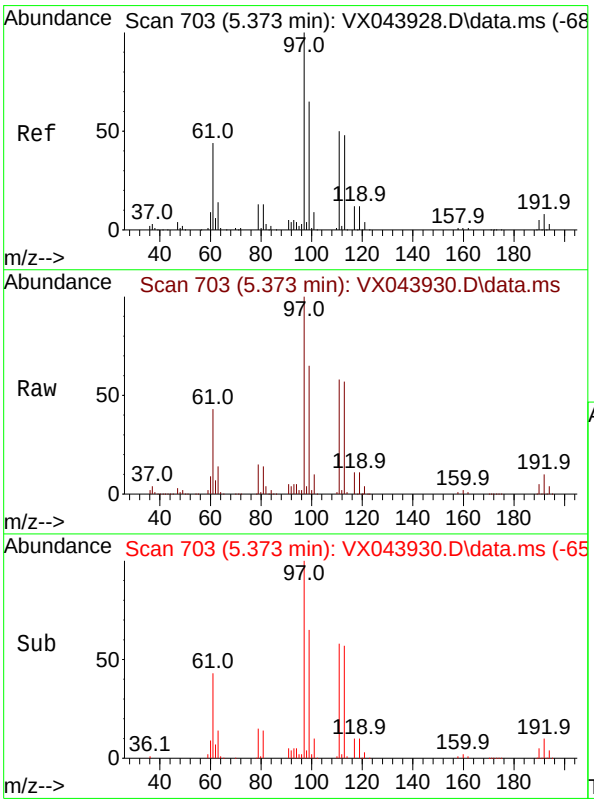
#31
Cyclohexane
Concen: 145.191 ug/l
RT: 5.458 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 367157

Ion	Ratio	Lower	Upper
56	100		
69	31.1	24.7	37.1
84	89.9	68.7	103.1

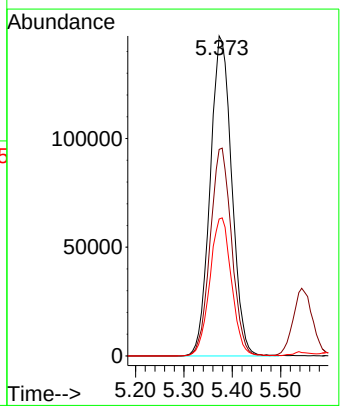


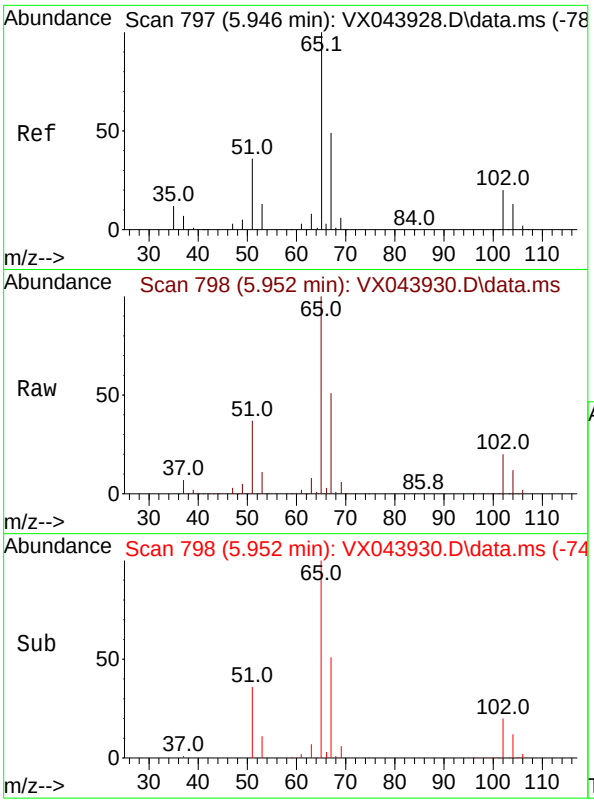


#32
1,1,1-Trichloroethane
Concen: 159.987 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 97 Resp: 455922

Ion	Ratio	Lower	Upper
97	100		
99	64.7	50.8	76.2
61	43.5	35.4	53.2



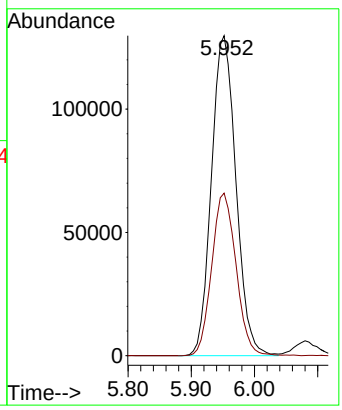


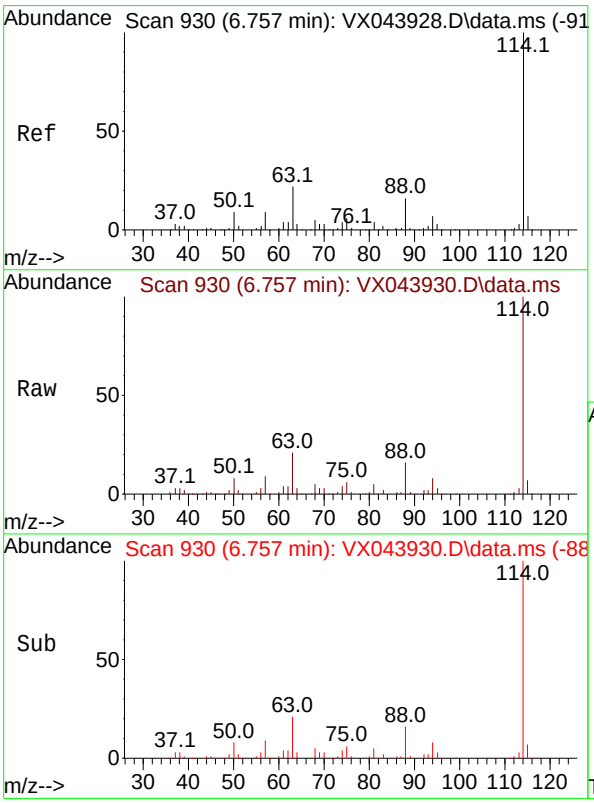
#33
1,2-Dichloroethane-d4
Concen: 153.852 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 65 Resp: 349080

Ion	Ratio	Lower	Upper
65	100		
67	50.3	0.0	100.8

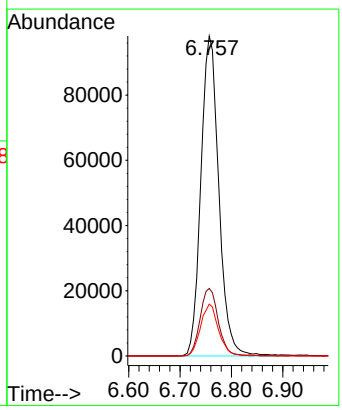


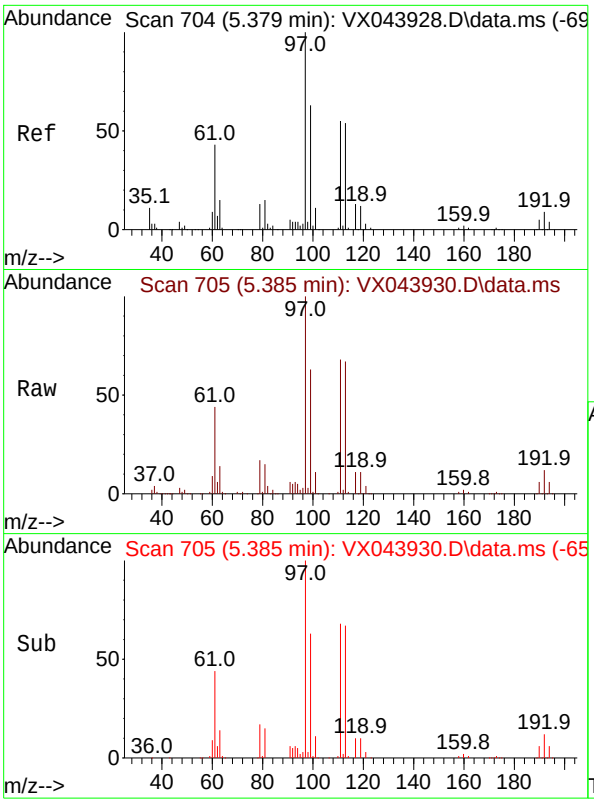


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:114 Resp: 237642

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	44.0
88	16.2	0.0	32.4



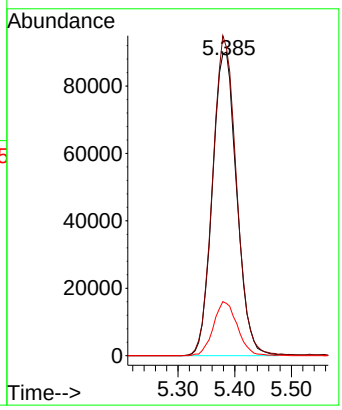


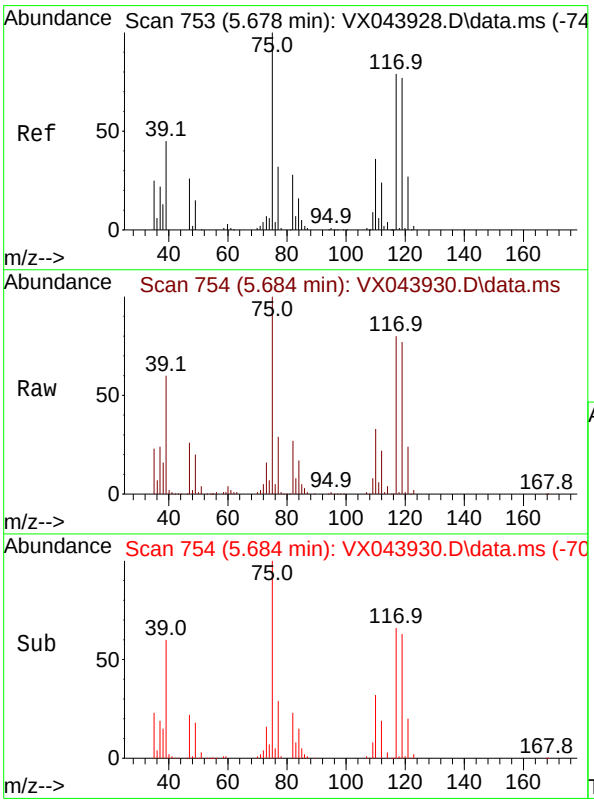
#35
Dibromofluoromethane
Concen: 157.906 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:113 Resp: 268135

Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.0	121.4
192	17.6	13.0	19.6

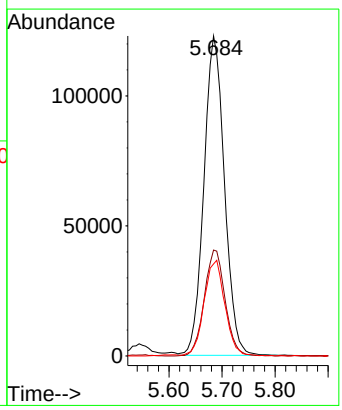


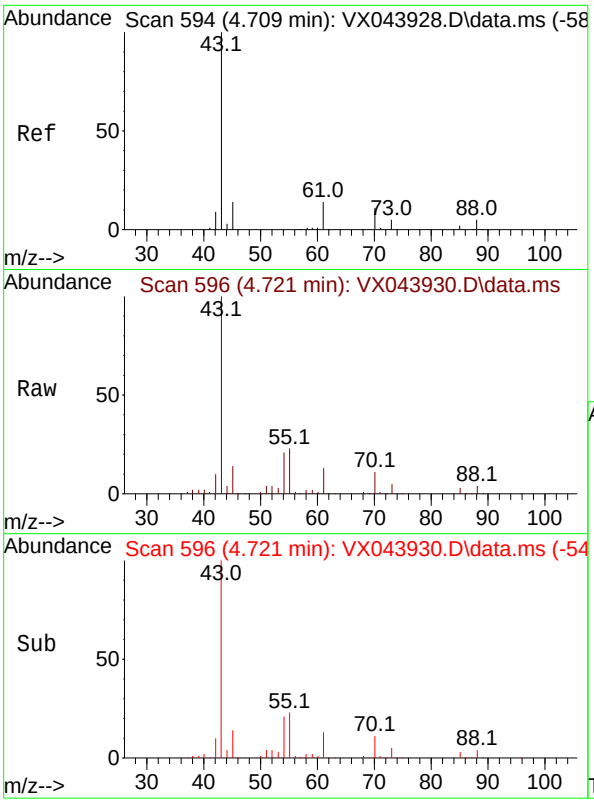


#36
1,1-Dichloropropene
Concen: 156.540 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 75 Resp: 331239

Ion	Ratio	Lower	Upper
75	100		
110	33.6	17.4	52.2
77	30.3	25.8	38.8



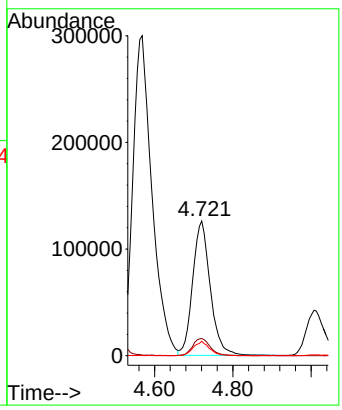


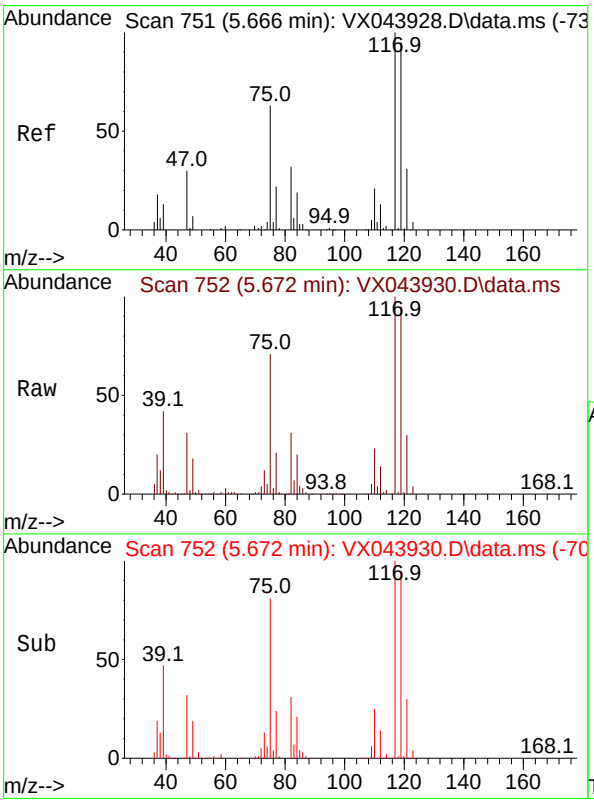
#37
Ethyl Acetate
Concen: 149.876 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 393670

Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.7	16.1
70	9.9	8.0	12.0

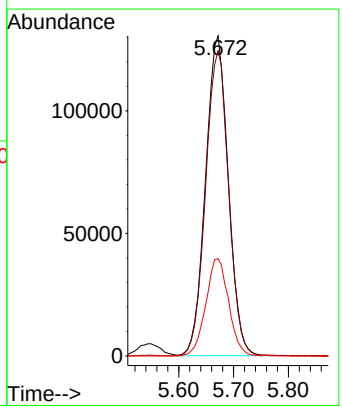


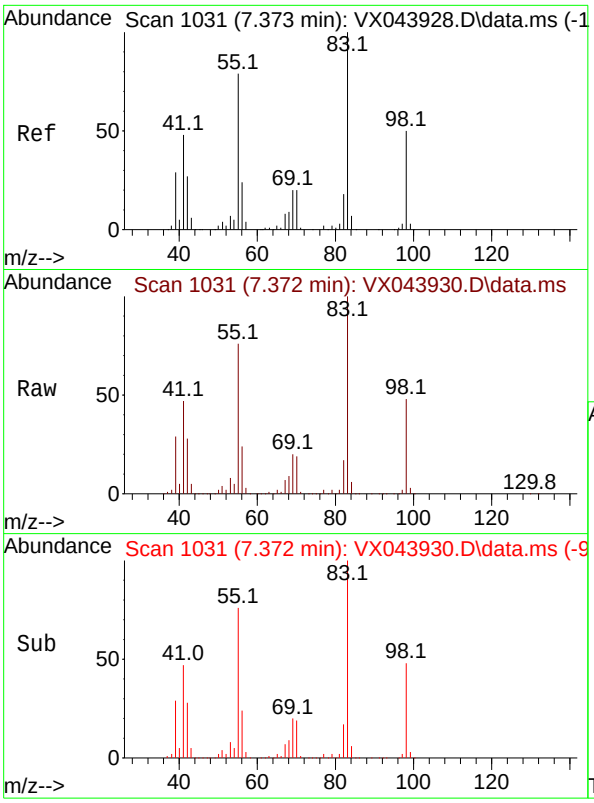


#38
Carbon Tetrachloride
Concen: 158.262 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:117 Resp: 376287

Ion	Ratio	Lower	Upper
117	100		
119	95.3	75.2	112.8
121	30.4	24.5	36.7



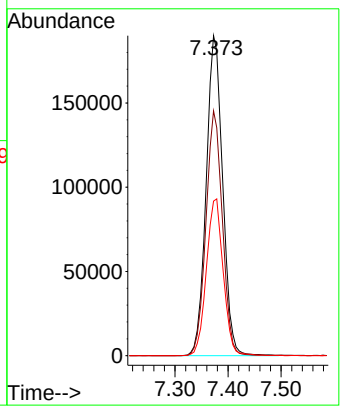


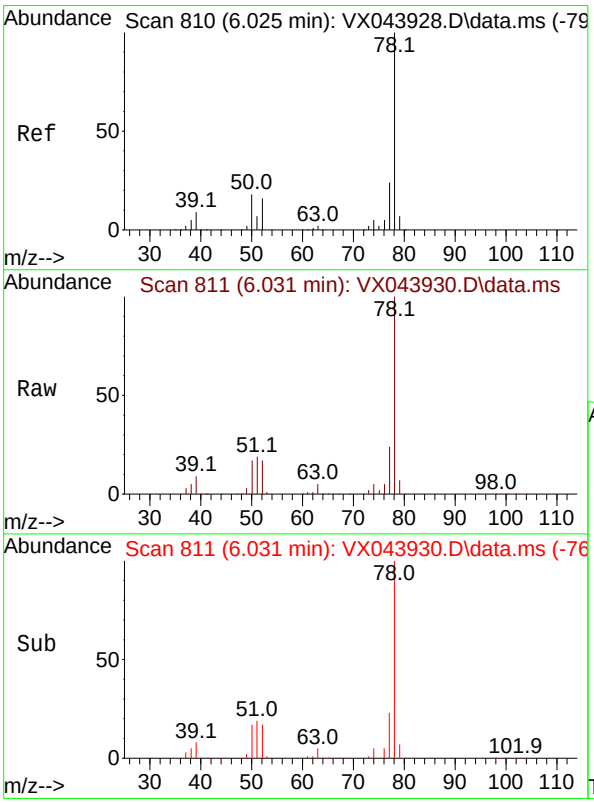
#39
Methylcyclohexane
Concen: 149.269 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 410333

Ion	Ratio	Lower	Upper
83	100		
55	76.4	63.1	94.7
98	48.3	40.0	60.0

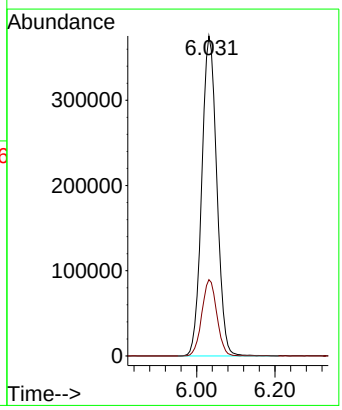


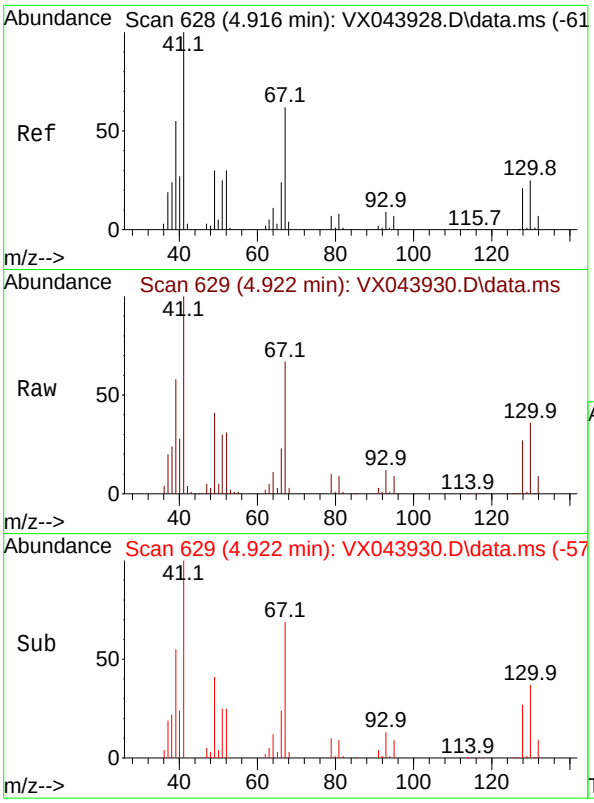


#40
Benzene
Concen: 151.598 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 78 Resp: 999210

Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.2	28.8



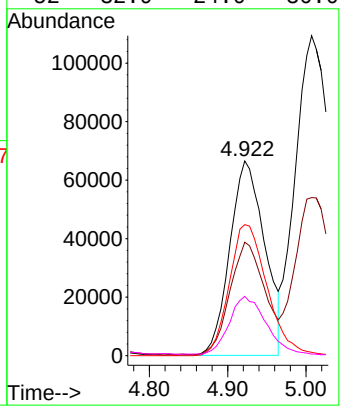


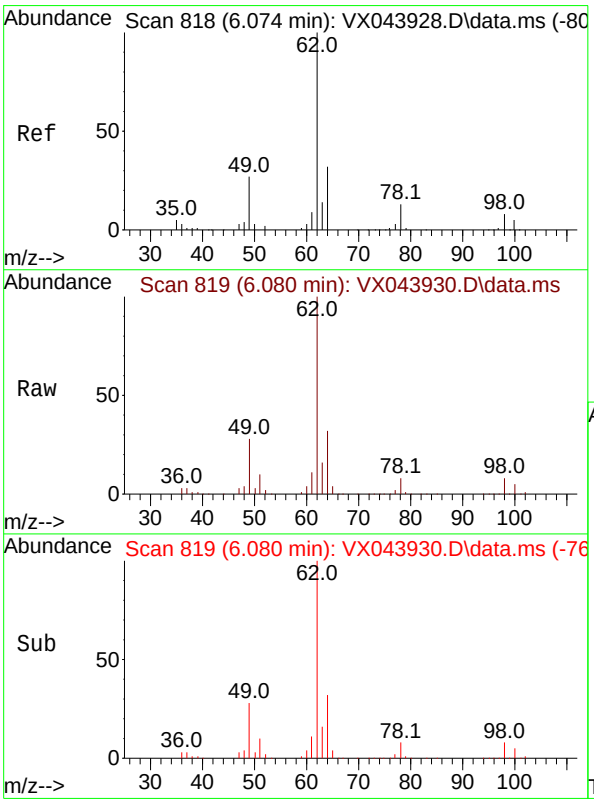
#41
Methacrylonitrile
Concen: 153.252 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 41 Resp: 206026

Ion	Ratio	Lower	Upper
41	100		
39	57.7	41.7	62.5
67	73.5	55.8	83.8
52	32.9	24.0	36.0

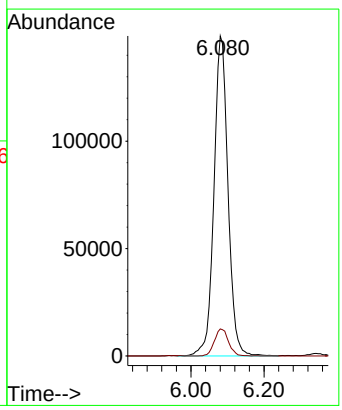


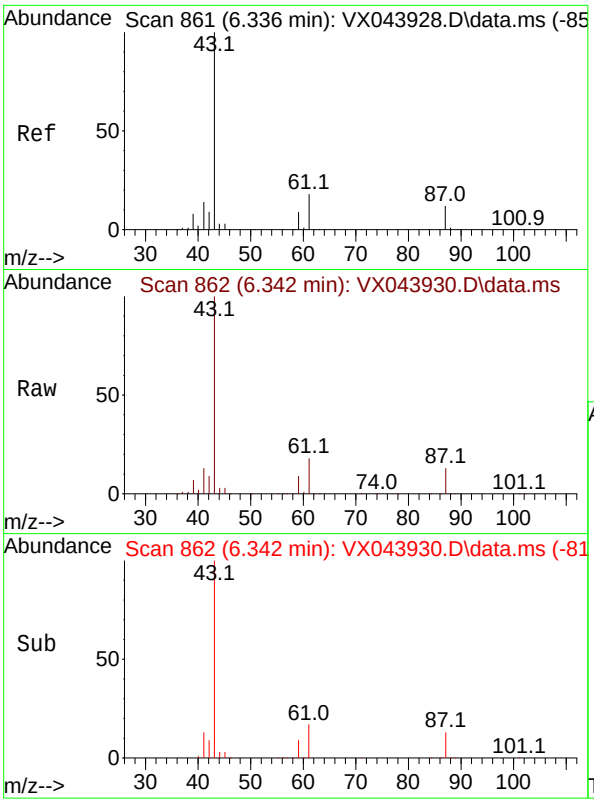


#42
1,2-Dichloroethane
Concen: 150.163 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 62 Resp: 397508

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.4



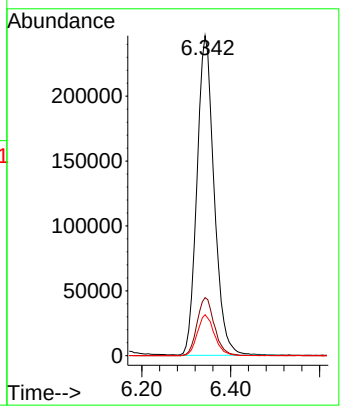


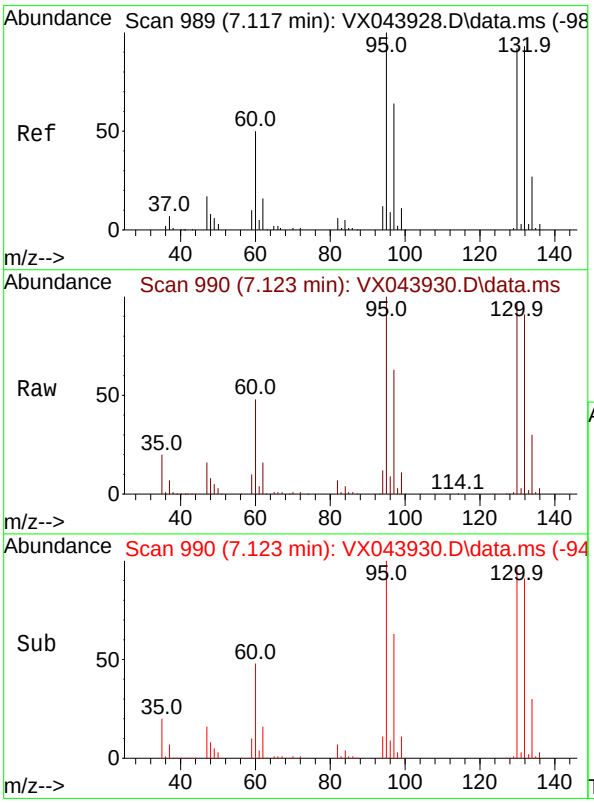
#43
Isopropyl Acetate
Concen: 158.329 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 661839

Ion	Ratio	Lower	Upper
43	100		
61	18.4	14.5	21.7
87	12.7	10.2	15.2

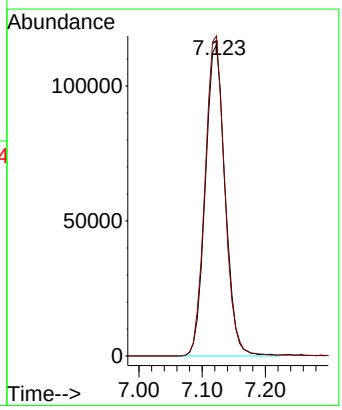


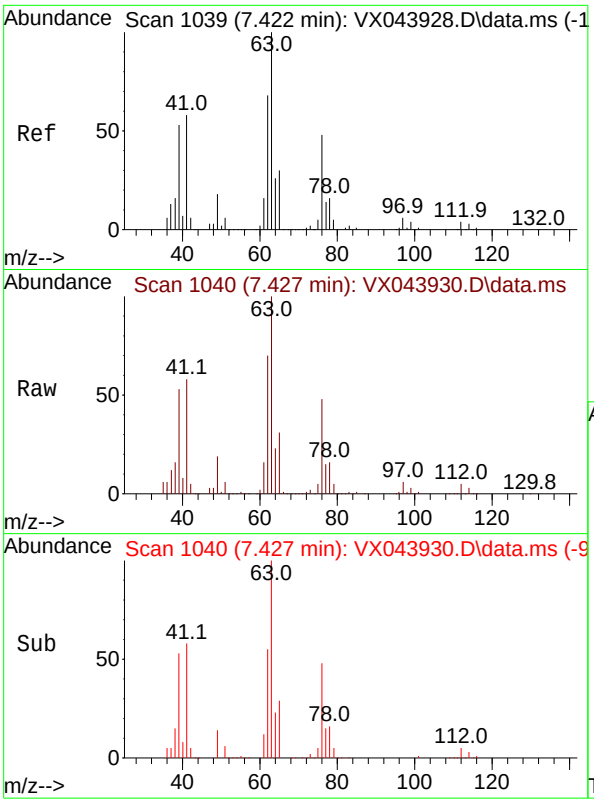


#44
Trichloroethene
Concen: 134.559 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:130 Resp: 251071

Ion	Ratio	Lower	Upper
130	100		
95	103.0	0.0	217.8



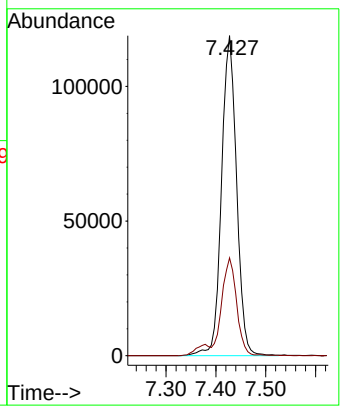


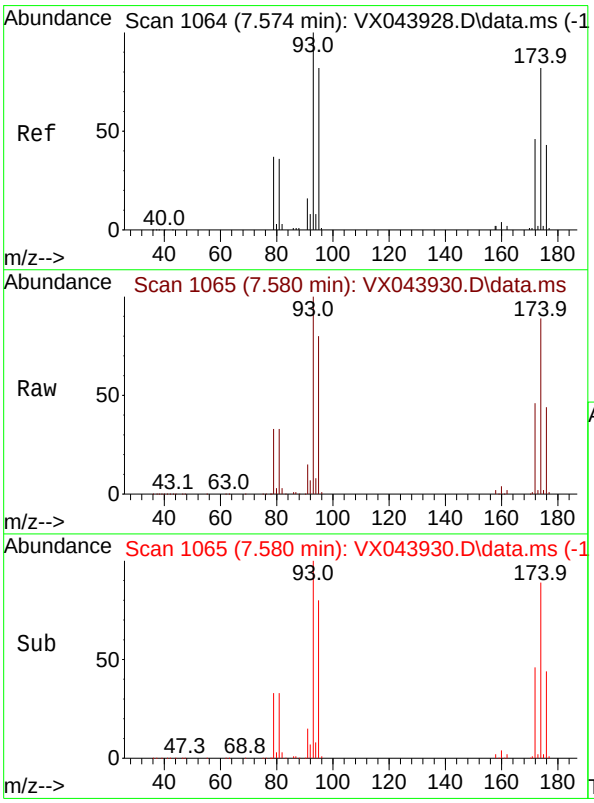
#45
1,2-Dichloropropane
Concen: 154.486 ug/l
RT: 7.427 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 63 Resp: 249394

Ion	Ratio	Lower	Upper
63	100		
65	30.5	23.8	35.6

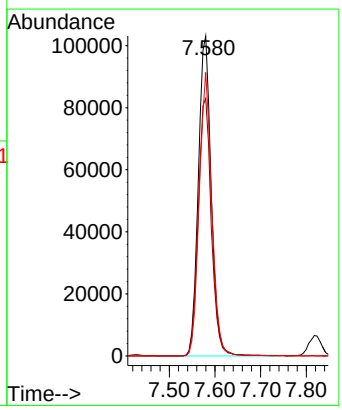


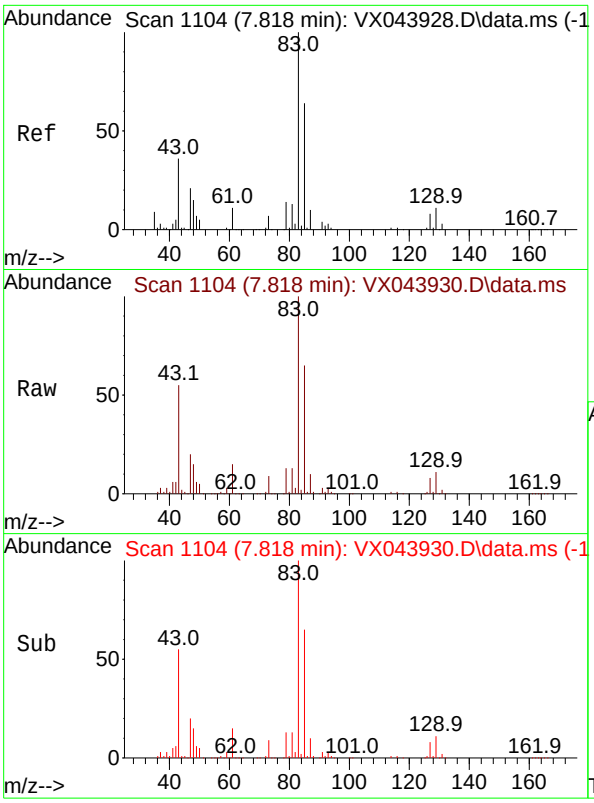


#46
Dibromomethane
Concen: 158.440 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 93 Resp: 202329

Ion	Ratio	Lower	Upper
93	100		
95	81.9	66.2	99.4
174	86.4	69.6	104.4



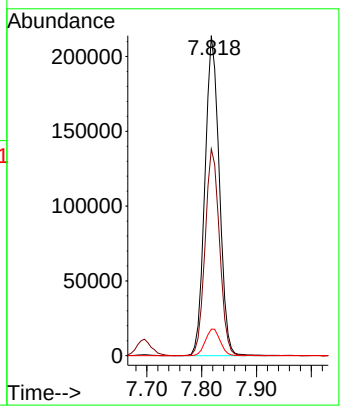


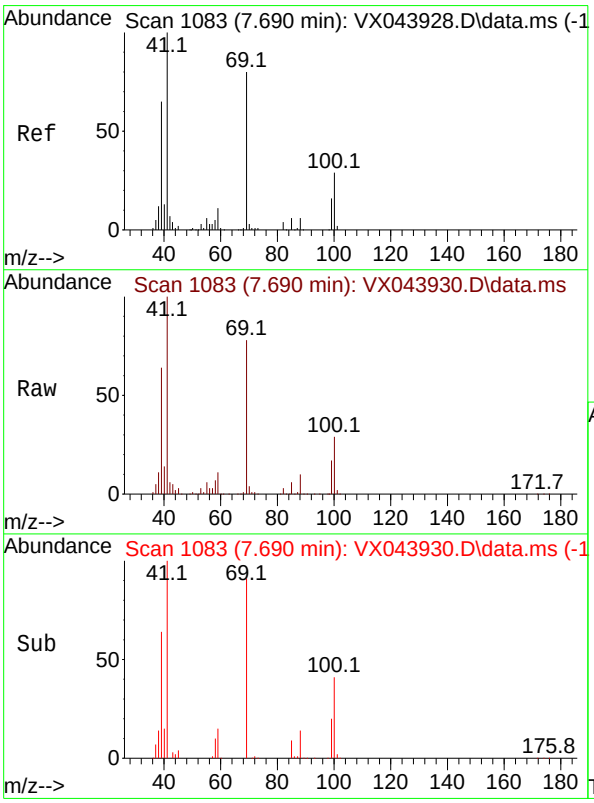
#47
Bromodichloromethane
Concen: 169.524 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 388259

Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.4	77.0
127	8.3	6.6	10.0

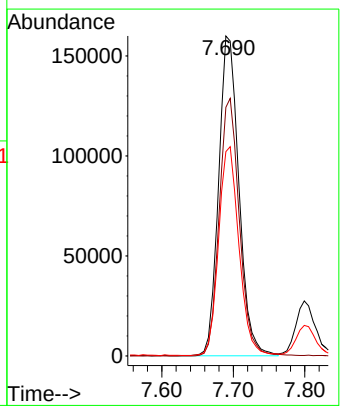


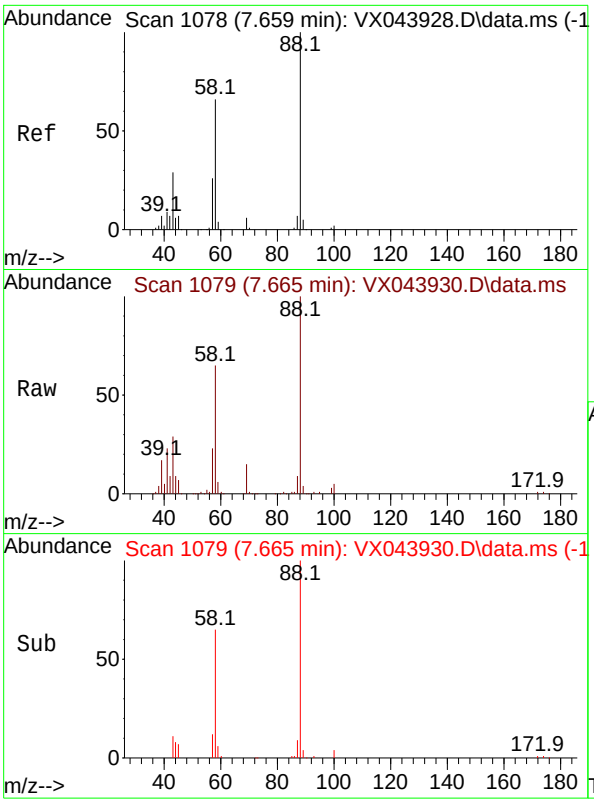


#48
Methyl methacrylate
Concen: 157.479 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 41 Resp: 315872

Ion	Ratio	Lower	Upper
41	100		
69	80.1	64.6	97.0
39	65.4	53.3	79.9



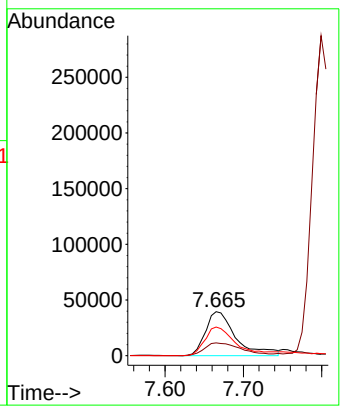


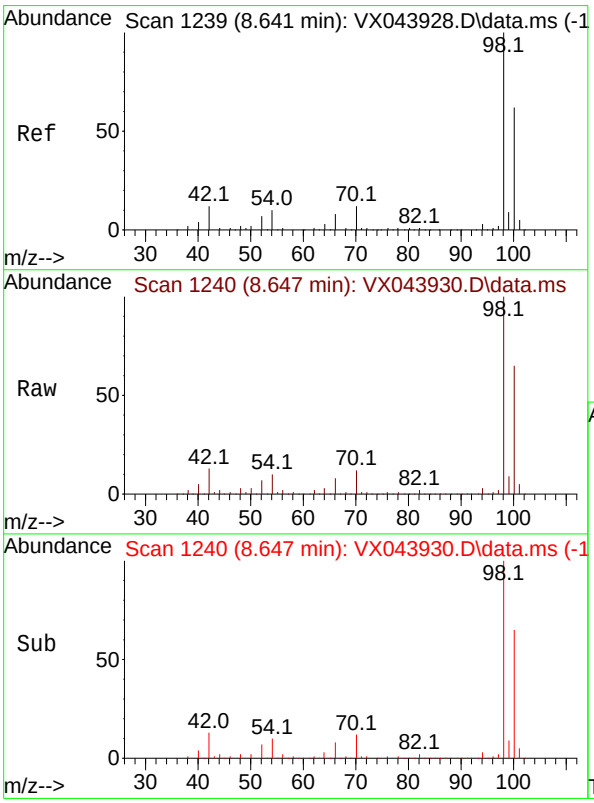
#49
1,4-Dioxane
Concen: 3083.461 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 88 Resp: 106634

Ion	Ratio	Lower	Upper
88	100		
43	35.6	26.8	40.2
58	66.2	45.4	68.2

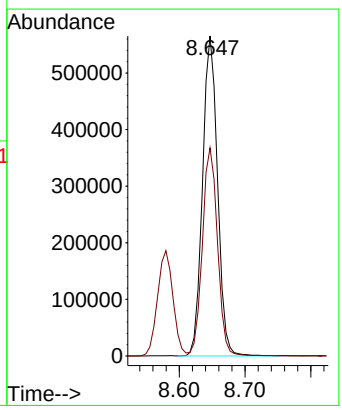


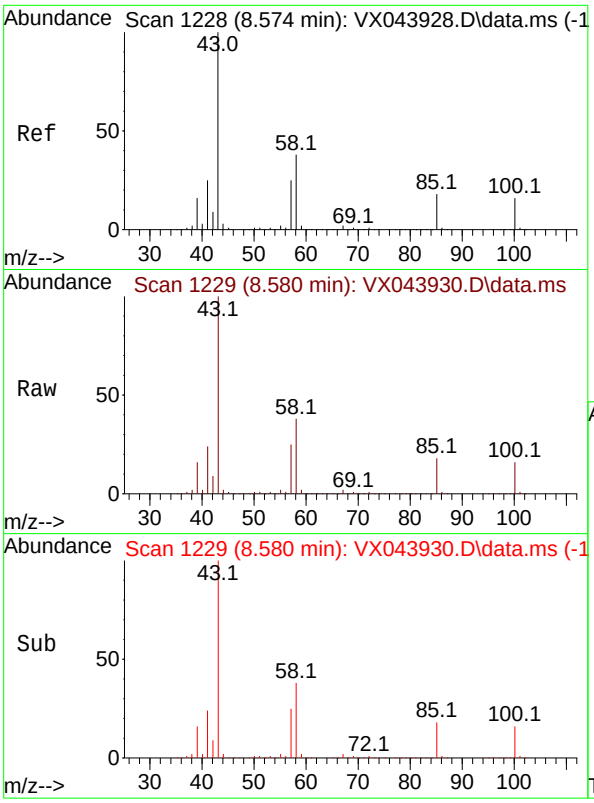


#50
Toluene-d8
Concen: 153.143 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 98 Resp: 896413

Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.6	79.0



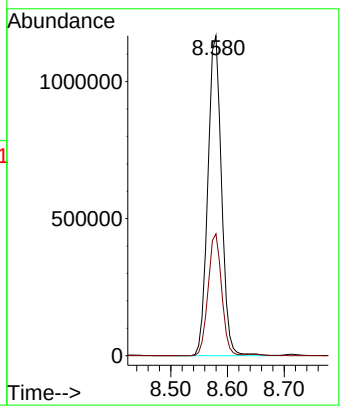


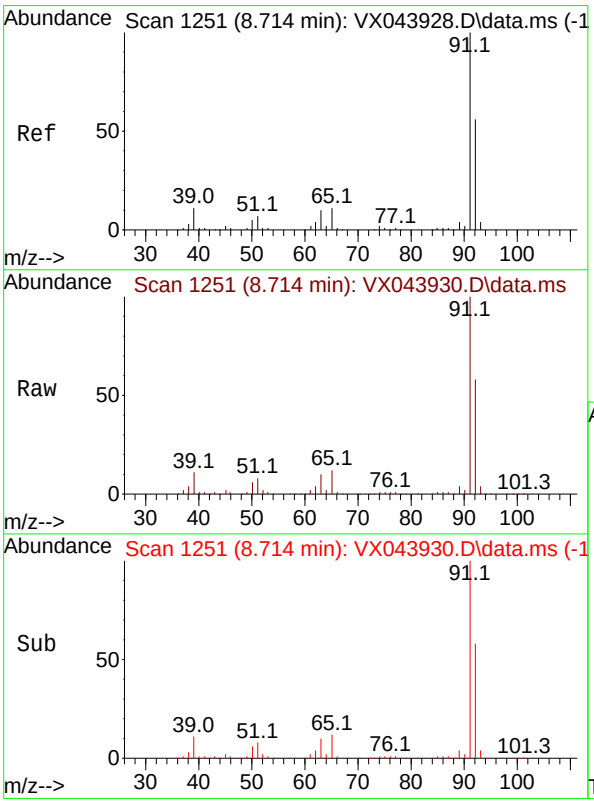
#51
4-Methyl-2-Pentanone
Concen: 766.353 ug/l
RT: 8.580 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1954925

Ion	Ratio	Lower	Upper
43	100		
58	37.8	30.0	45.0

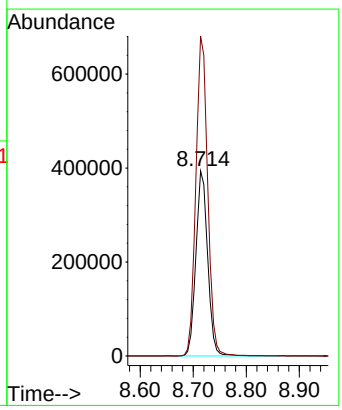


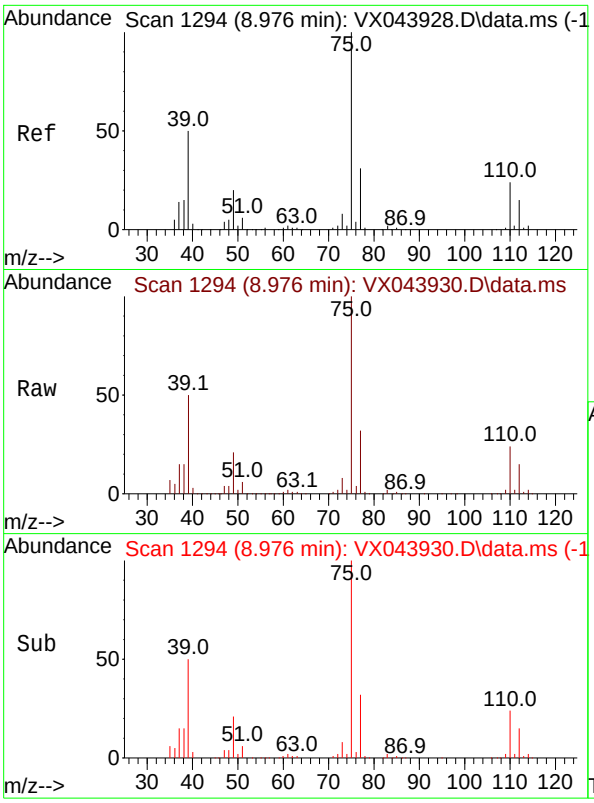


#52
Toluene
Concen: 153.910 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 92 Resp: 607179

Ion	Ratio	Lower	Upper
92	100		
91	173.9	139.7	209.5



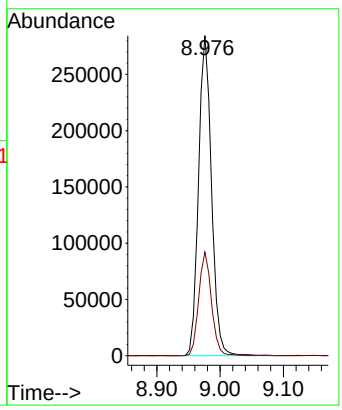


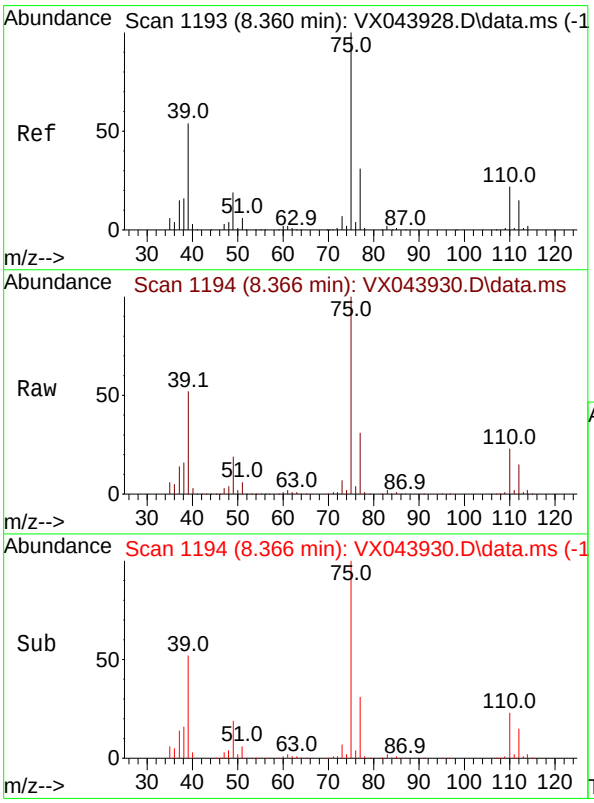
#53
t-1,3-Dichloropropene
Concen: 173.984 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 406346

Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.1	37.7

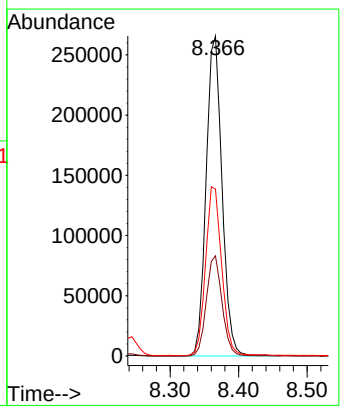


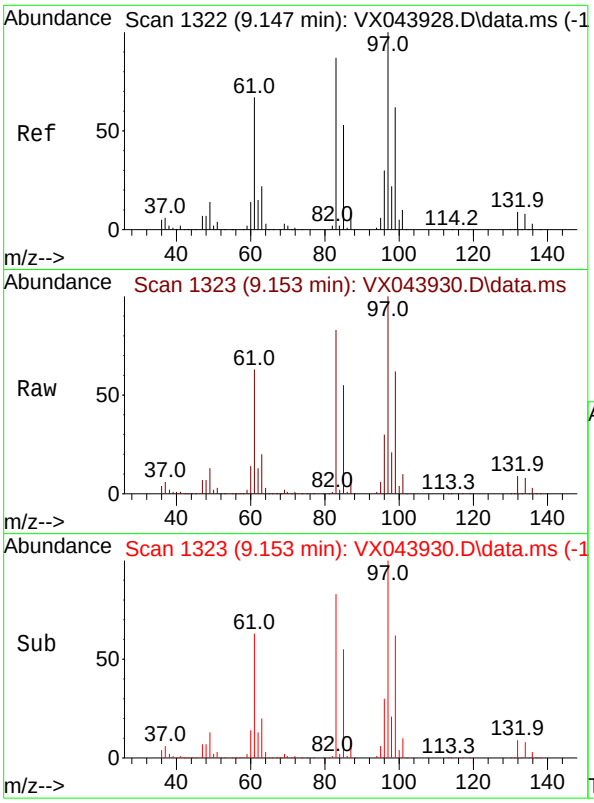


#54
cis-1,3-Dichloropropene
Concen: 167.379 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 75 Resp: 428549

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.2	37.8
39	52.0	43.1	64.7



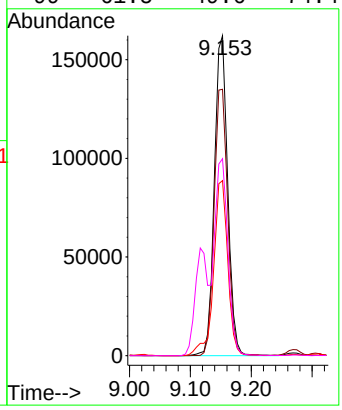


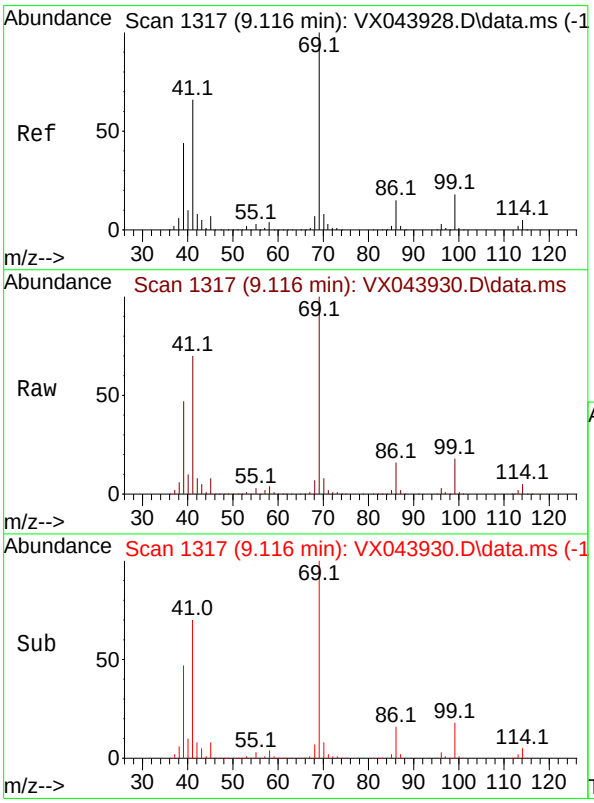
#55
1,1,2-Trichloroethane
Concen: 150.879 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 97 Resp: 245706

Ion	Ratio	Lower	Upper
97	100		
83	83.3	69.4	104.0
85	54.7	42.3	63.5
99	61.5	49.6	74.4

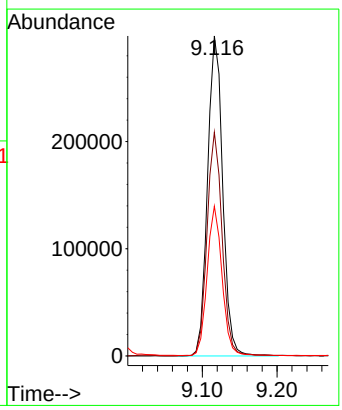


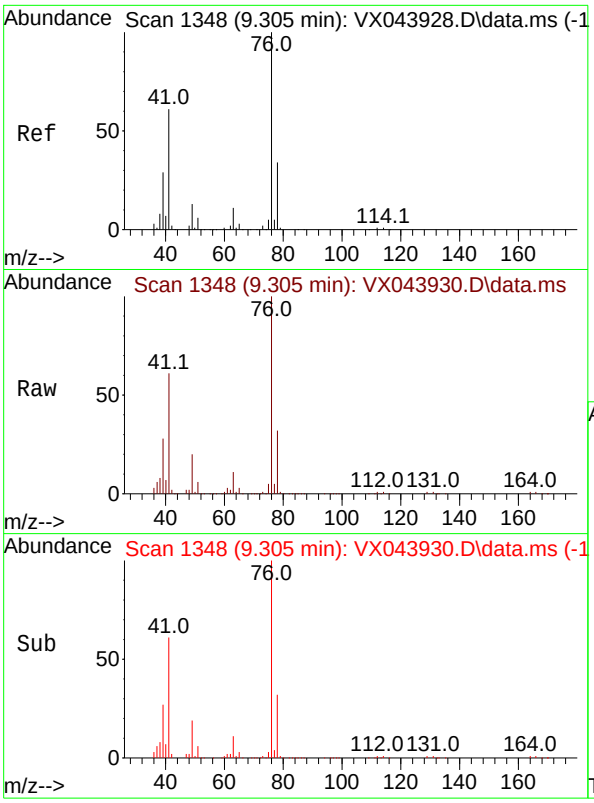


#56
Ethyl methacrylate
Concen: 165.742 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 69 Resp: 420409

Ion	Ratio	Lower	Upper
69	100		
41	69.6	55.8	83.8
39	45.9	36.7	55.1



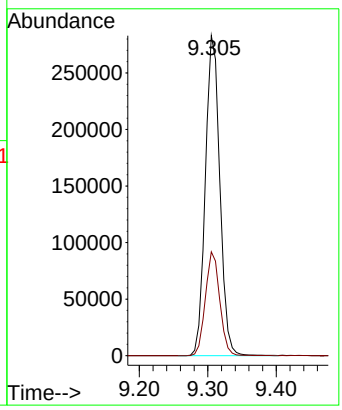


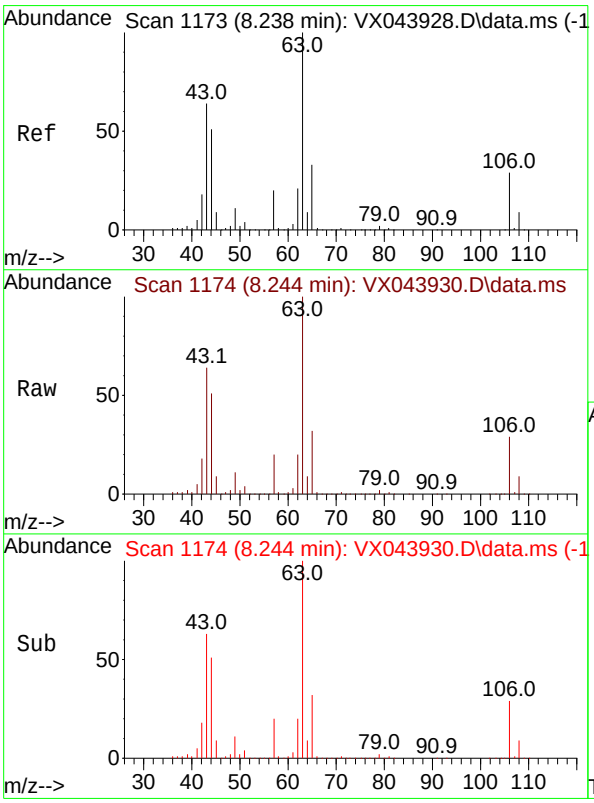
#57
1,3-Dichloropropane
Concen: 151.939 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 416811

Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.0	39.0

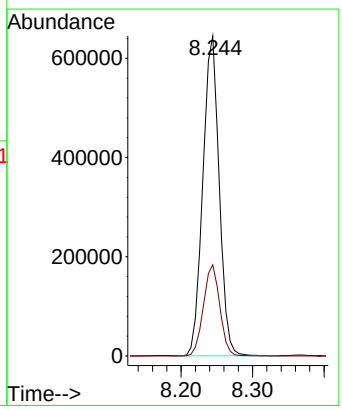


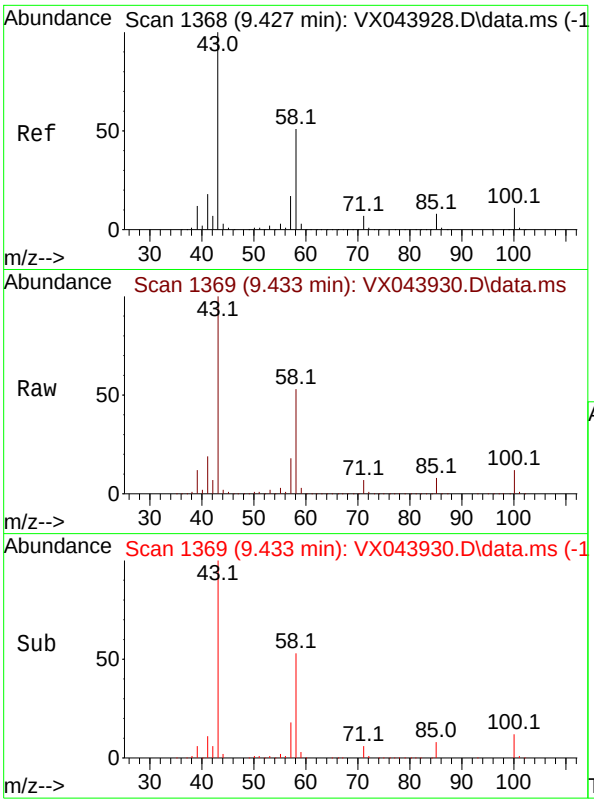


#58
2-Chloroethyl Vinyl ether
Concen: 753.191 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 63 Resp: 1023576

Ion	Ratio	Lower	Upper
63	100		
106	28.5	23.0	34.6



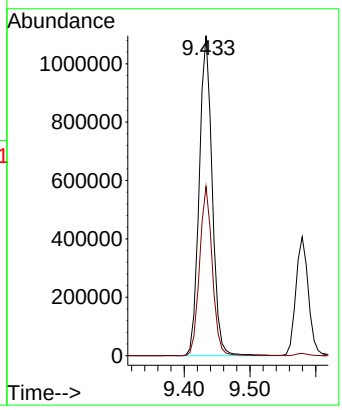


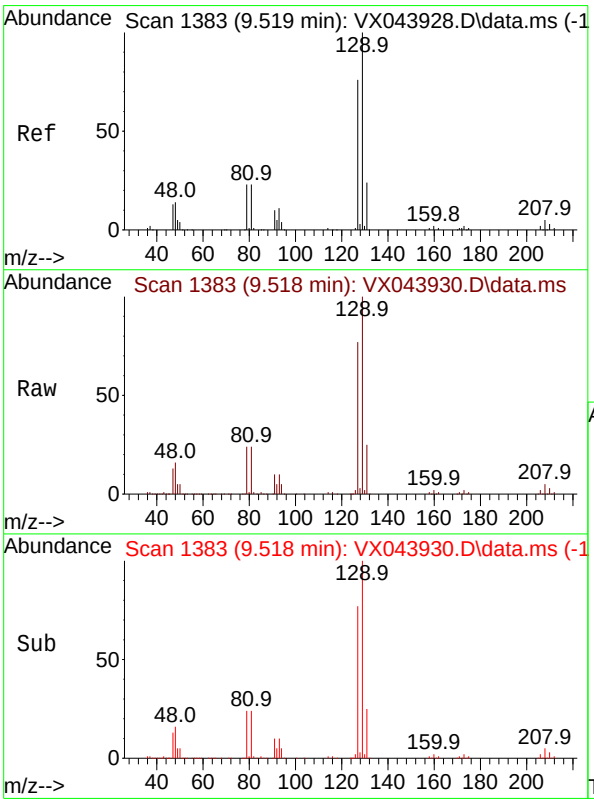
#59
2-Hexanone
Concen: 779.070 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1493755

Ion	Ratio	Lower	Upper
43	100		
58	52.1	25.9	77.6

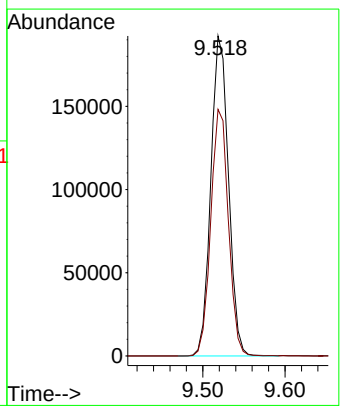


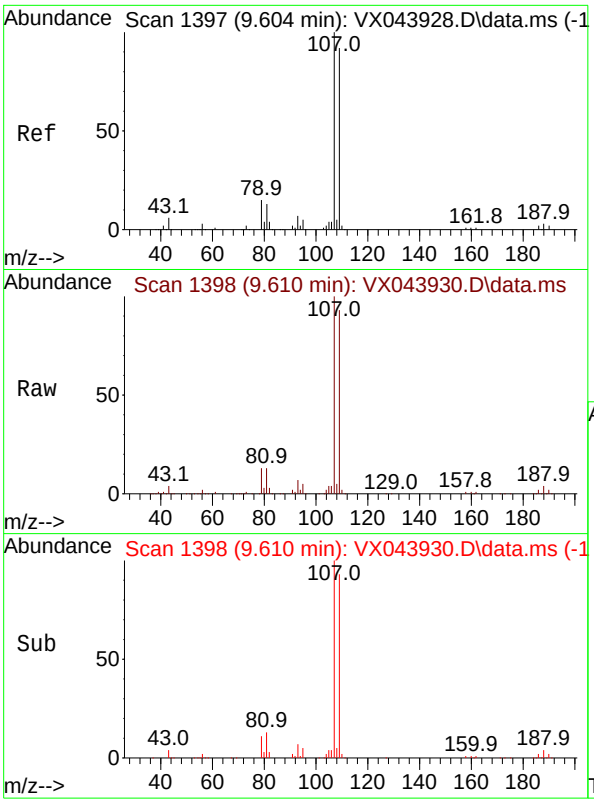


#60
Dibromochloromethane
Concen: 175.154 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:129 Resp: 286188

Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.2	114.6



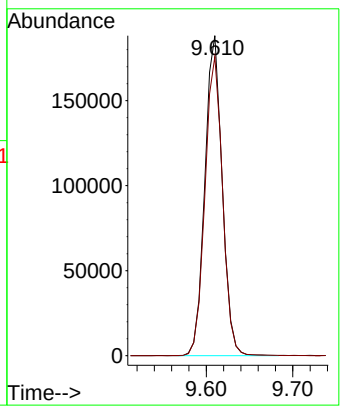


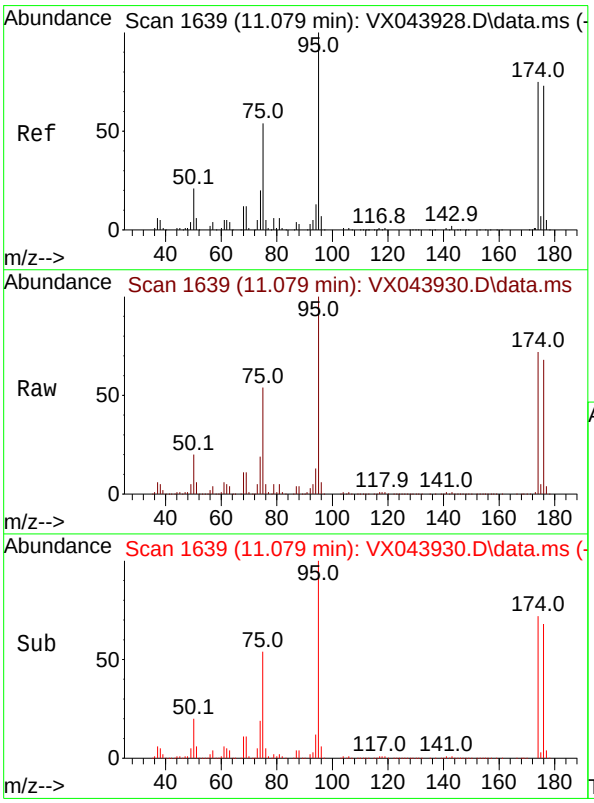
#61
1,2-Dibromoethane
Concen: 158.727 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:107 Resp: 261369

Ion	Ratio	Lower	Upper
107	100		
109	95.1	75.2	112.8

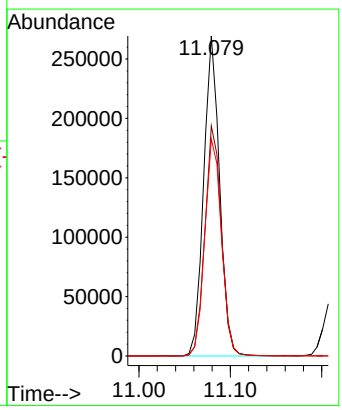


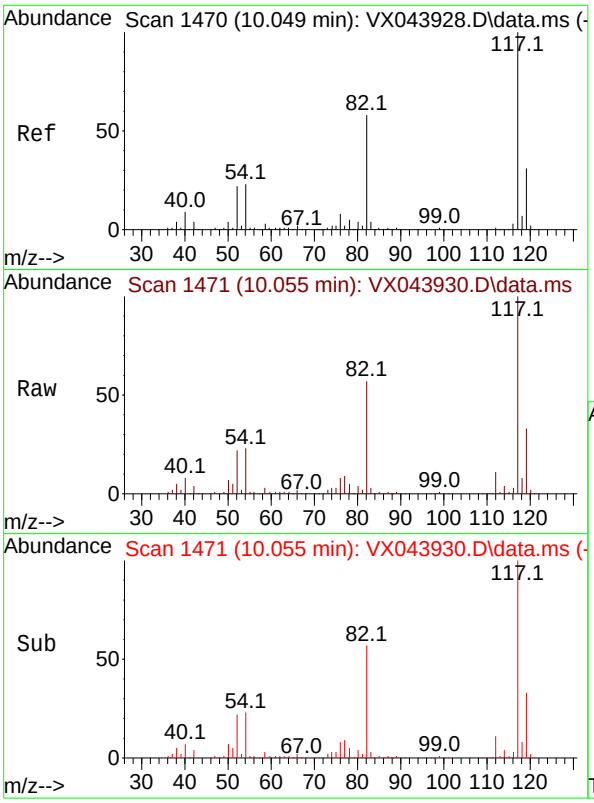


#62
4-Bromofluorobenzene
Concen: 162.951 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 95 Resp: 324612

Ion	Ratio	Lower	Upper
95	100		
174	74.6	0.0	150.4
176	71.4	0.0	146.0



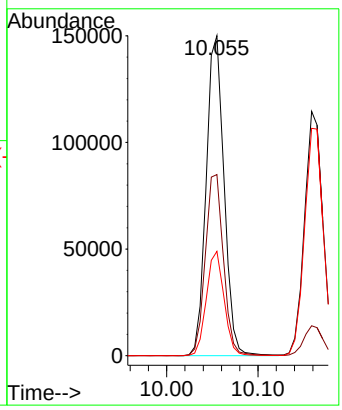


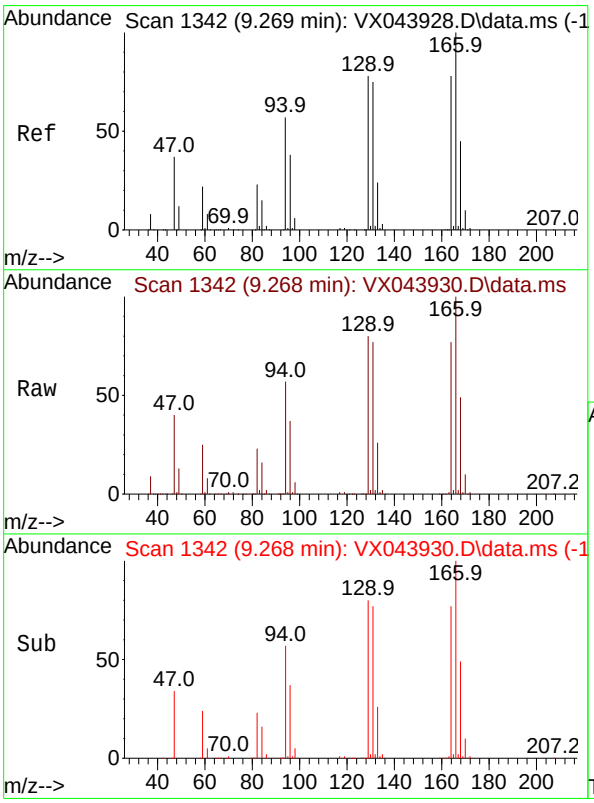
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:117 Resp: 203280

Ion	Ratio	Lower	Upper
117	100		
82	56.6	46.4	69.6
119	32.6	24.6	37.0

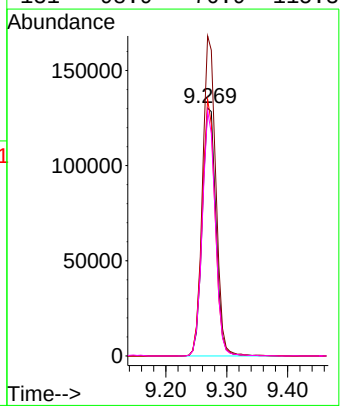


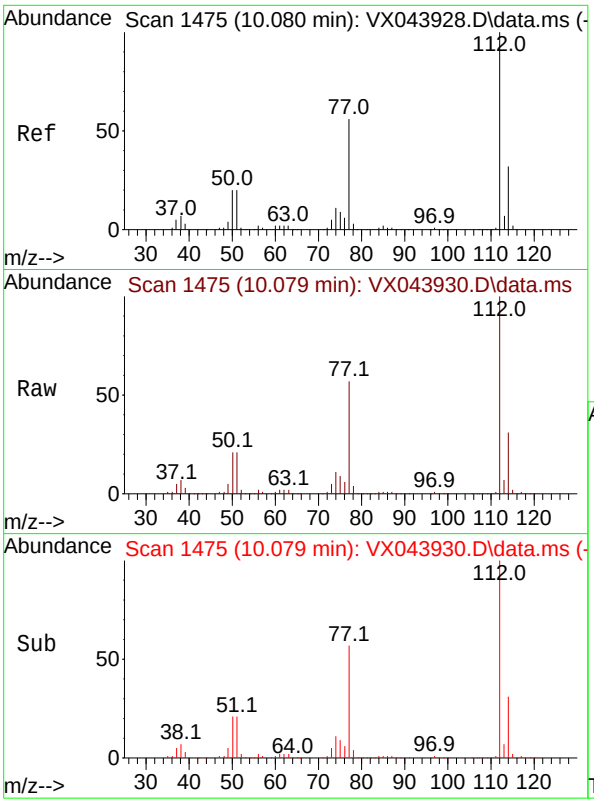


#64
Tetrachloroethene
Concen: 150.897 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:164 Resp: 202262

Ion	Ratio	Lower	Upper
164	100		
166	129.1	102.1	153.1
129	103.4	79.6	119.4
131	98.9	76.9	115.3



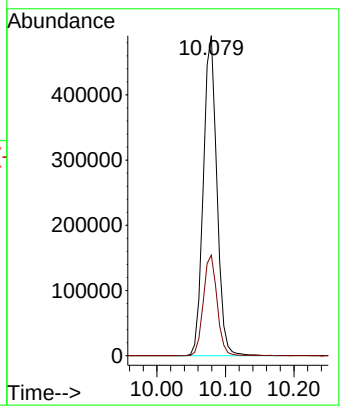


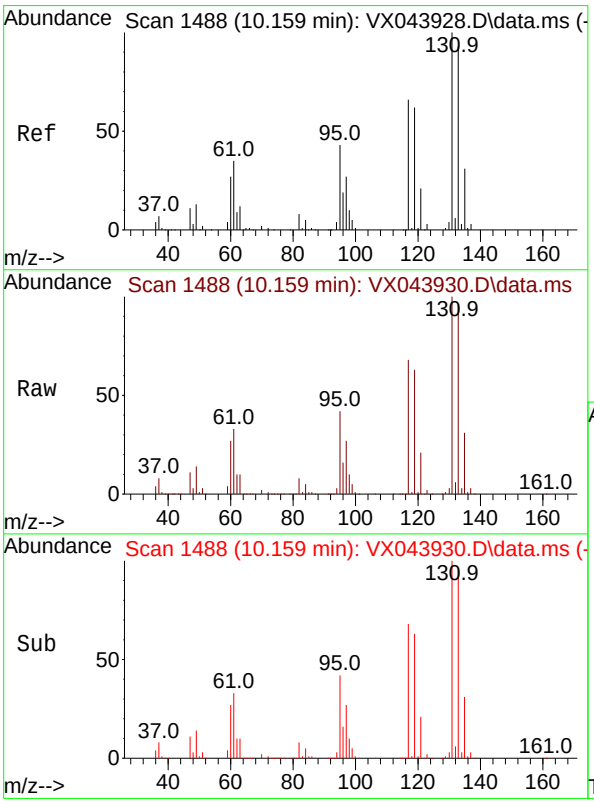
#65
Chlorobenzene
Concen: 151.304 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:112 Resp: 675513

Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.4	38.0

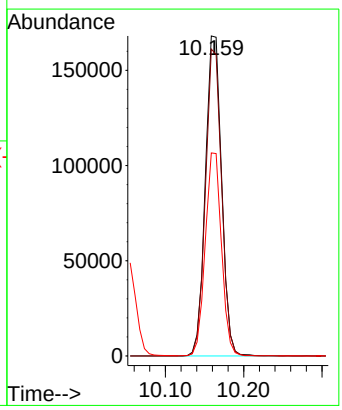


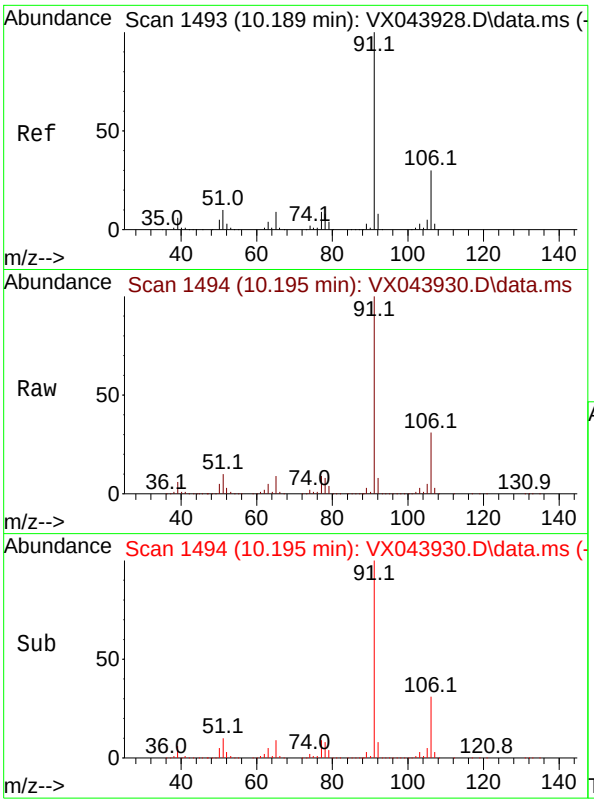


#66
1,1,1,2-Tetrachloroethane
Concen: 166.861 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:131 Resp: 241604

Ion	Ratio	Lower	Upper
131	100		
133	95.2	48.2	144.6
119	63.3	31.5	94.5



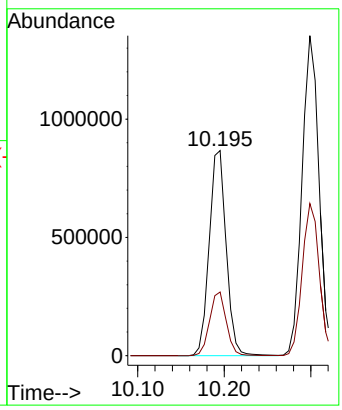


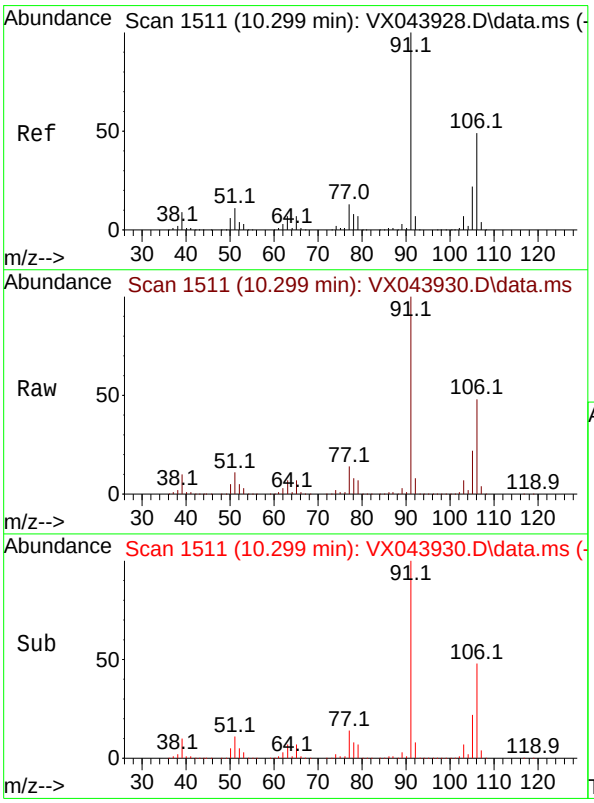
#67
Ethyl Benzene
Concen: 156.200 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 1181693

Ion	Ratio	Lower	Upper
91	100		
106	31.1	23.6	35.4

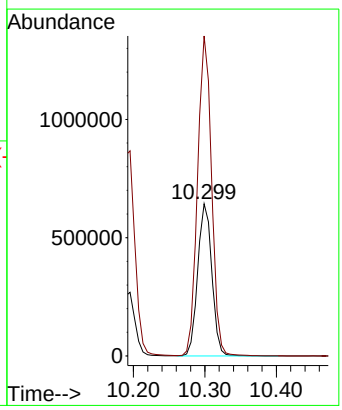


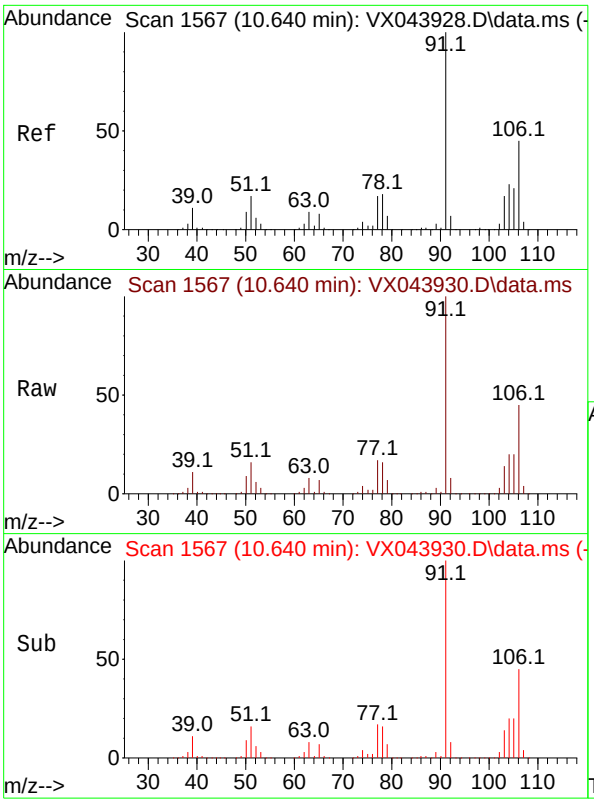


#68
m/p-Xylenes
Concen: 313.360 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:106 Resp: 884067

Ion	Ratio	Lower	Upper
106	100		
91	208.6	168.1	252.1



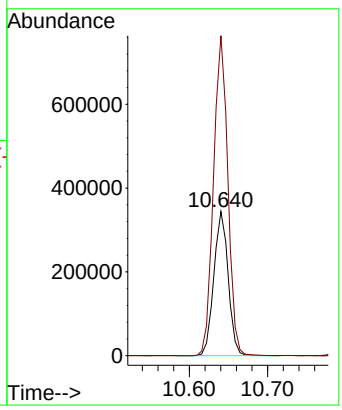


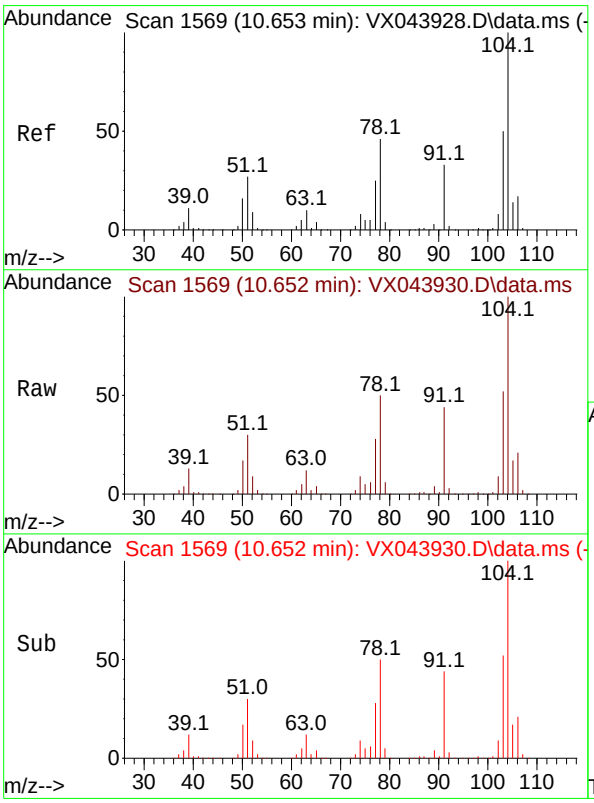
#69
o-Xylene
Concen: 158.616 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:106 Resp: 436919

Ion	Ratio	Lower	Upper
106	100		
91	222.3	110.2	330.6

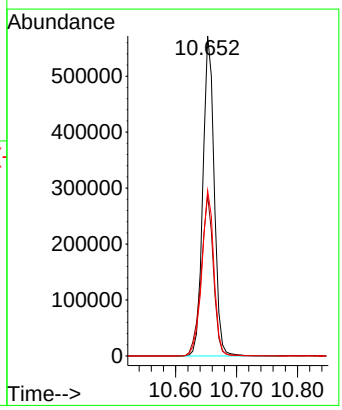


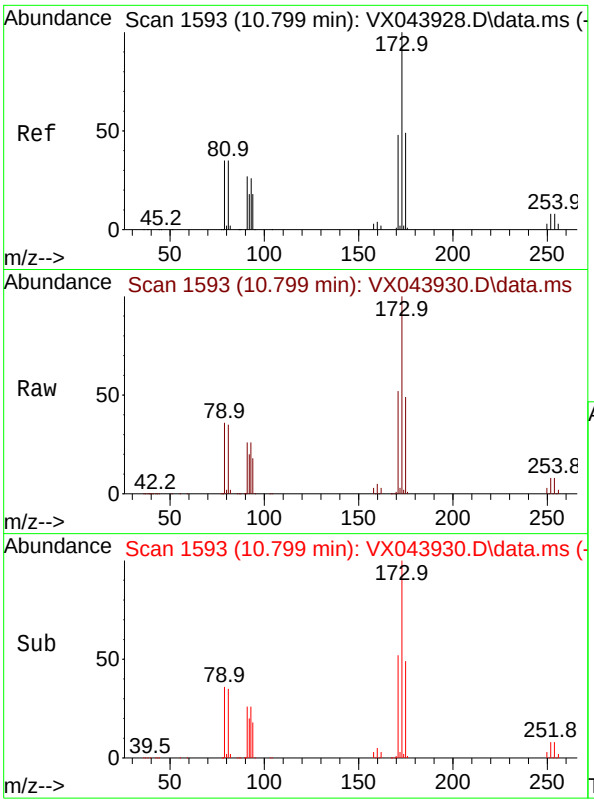


#70
Styrene
Concen: 162.878 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:104 Resp: 742061

Ion	Ratio	Lower	Upper
104	100		
78	54.2	42.2	63.2
103	55.2	44.7	67.1



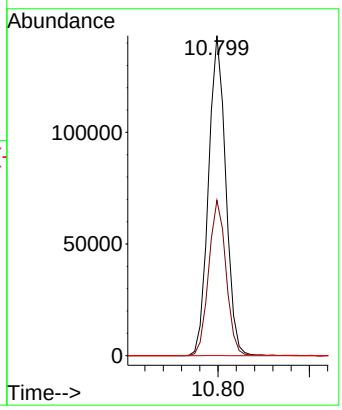


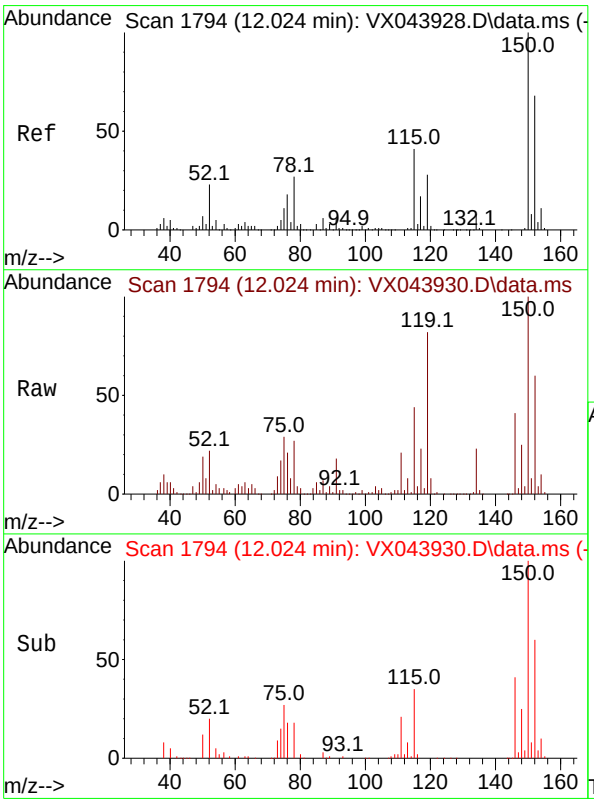
#71
Bromoform
Concen: 150.272 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:173 Resp: 186691

Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.1	72.2
254	0.1	0.0	0.0#

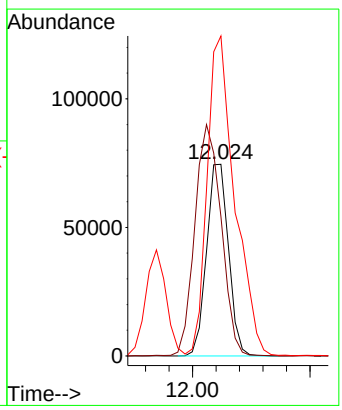


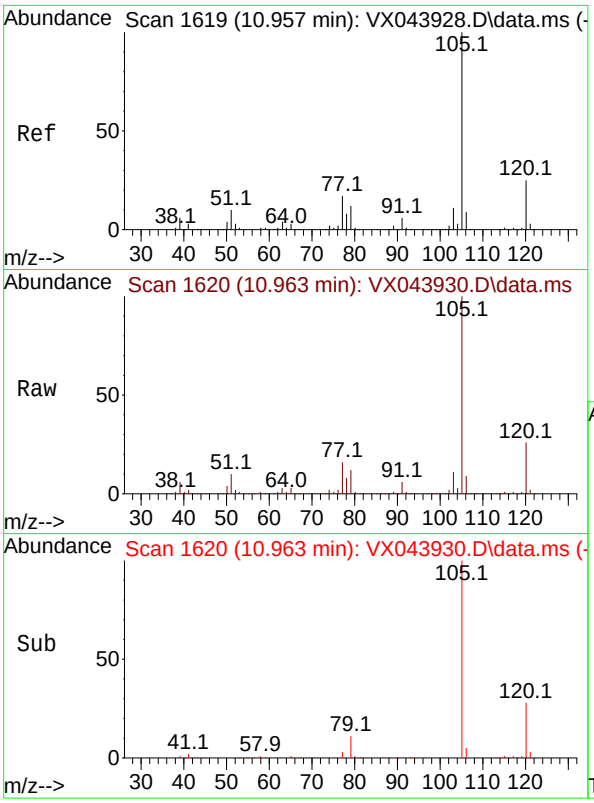


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:152 Resp: 96376

Ion	Ratio	Lower	Upper
152	100		
115	145.9	45.4	136.2#
150	210.2	0.0	353.0



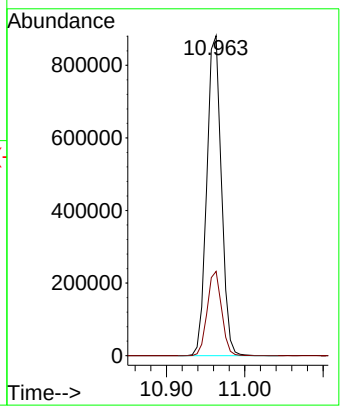


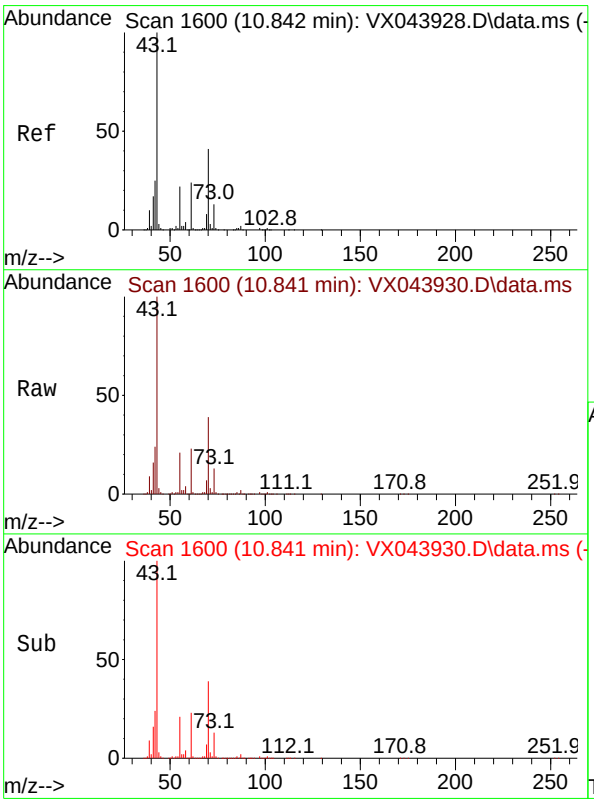
#73
Isopropylbenzene
Concen: 153.248 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 1135309

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.0	38.9

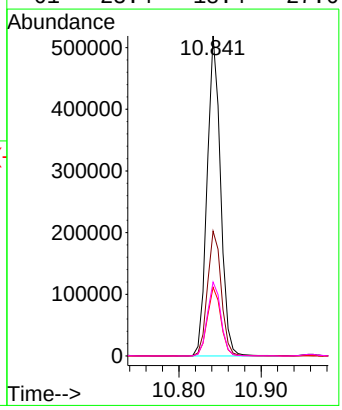


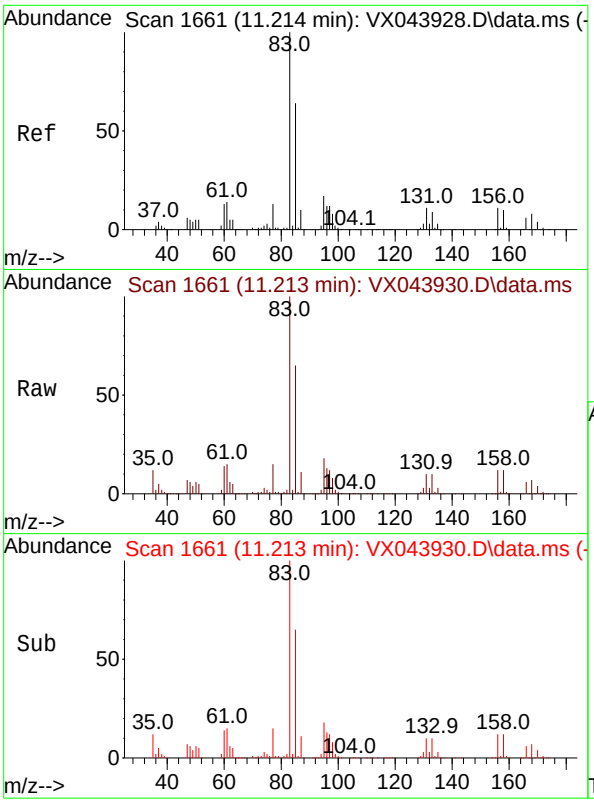


#74
N-amyl acetate
Concen: 170.913 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 43 Resp: 586560

Ion	Ratio	Lower	Upper
43	100		
70	40.1	32.2	48.2
55	21.7	18.1	27.1
61	23.4	18.4	27.6



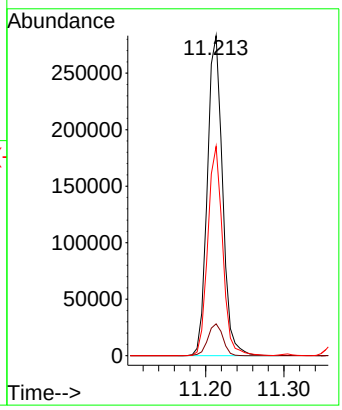


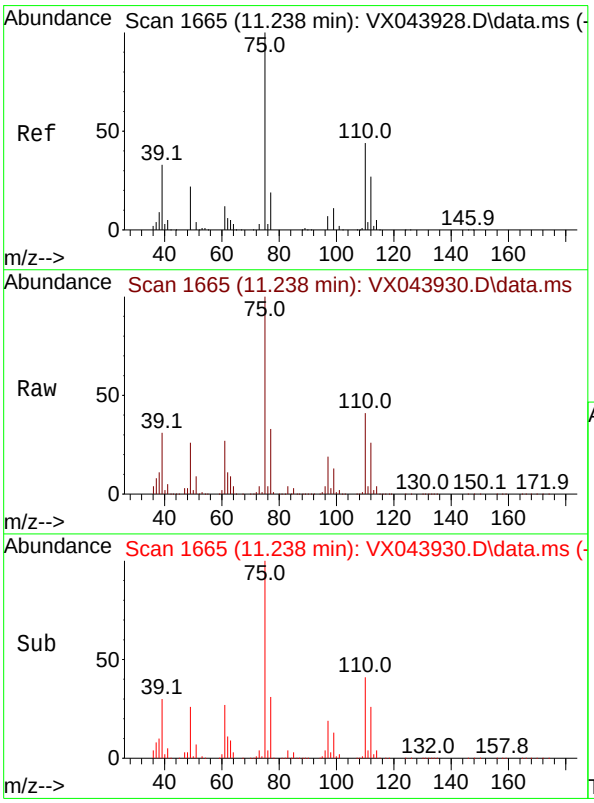
#75
1,1,2,2-Tetrachloroethane
Concen: 149.781 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 379947

Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.1	15.2
85	64.1	32.2	96.6

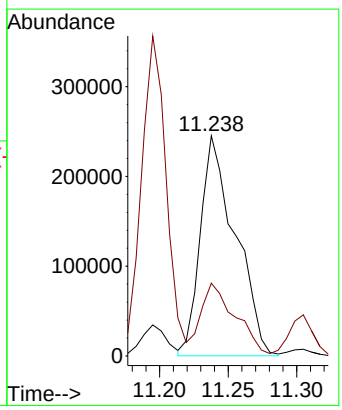


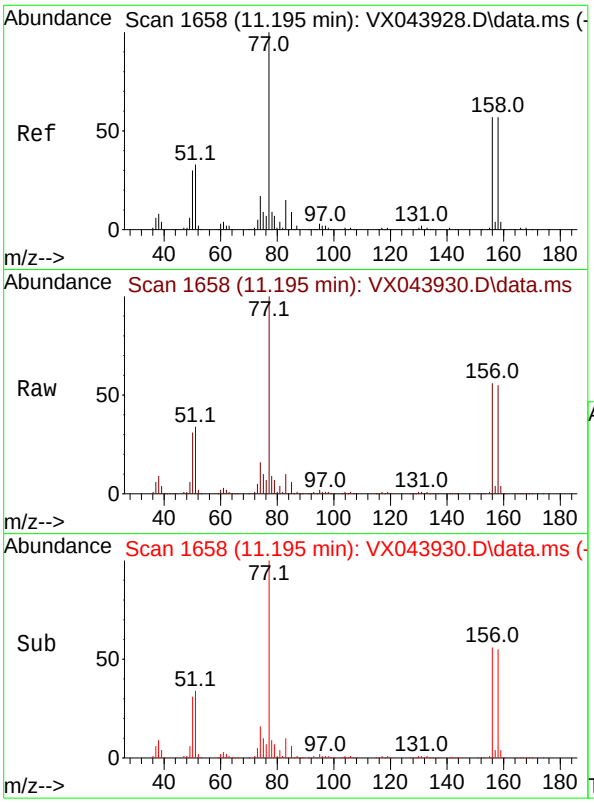


#76
1,2,3-Trichloropropane
Concen: 210.095 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 75 Resp: 436650

Ion	Ratio	Lower	Upper
75	100		
77	32.7	21.8	65.3



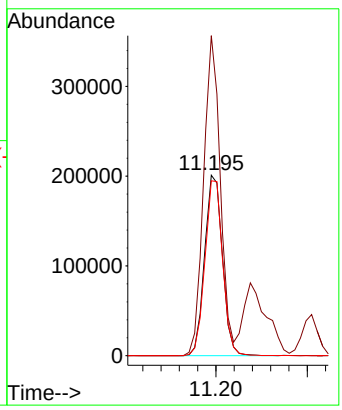


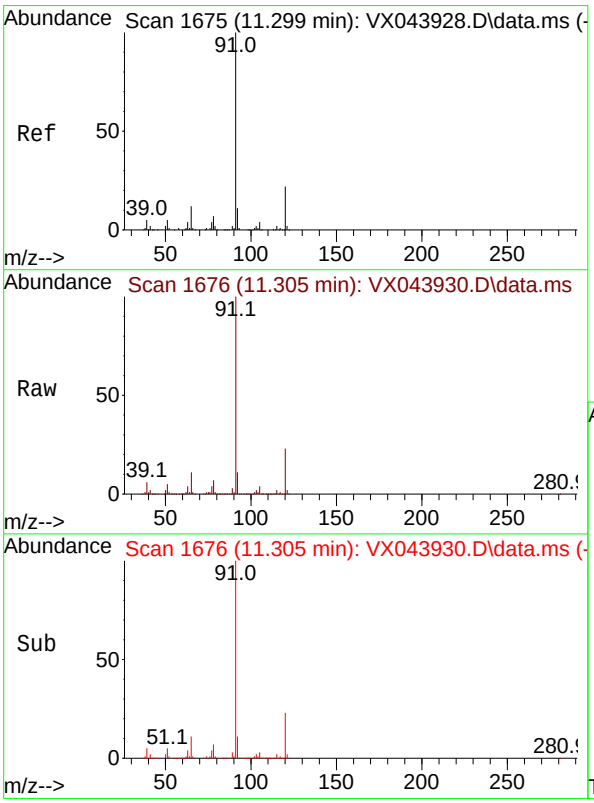
#77
Bromobenzene
Concen: 153.159 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:156 Resp: 270671

Ion	Ratio	Lower	Upper
156	100		
77	166.5	83.4	250.1
158	96.8	47.6	142.8

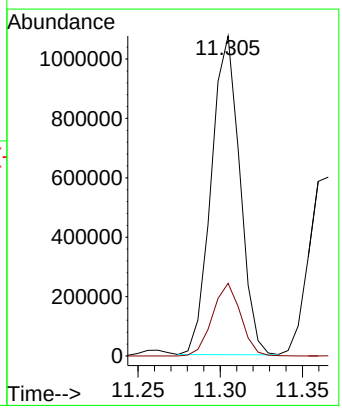


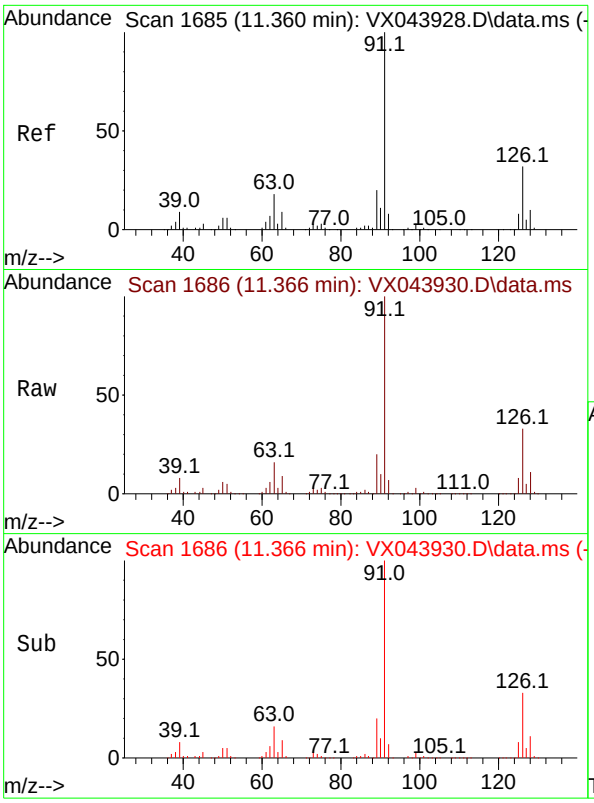


#78
n-propylbenzene
Concen: 156.752 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 91 Resp: 1296979

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.5	34.4



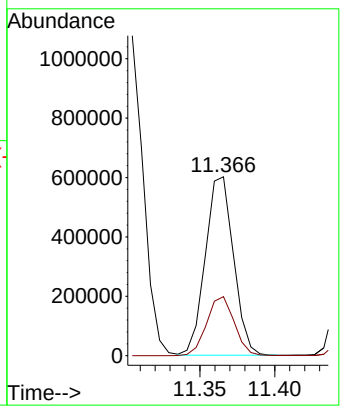


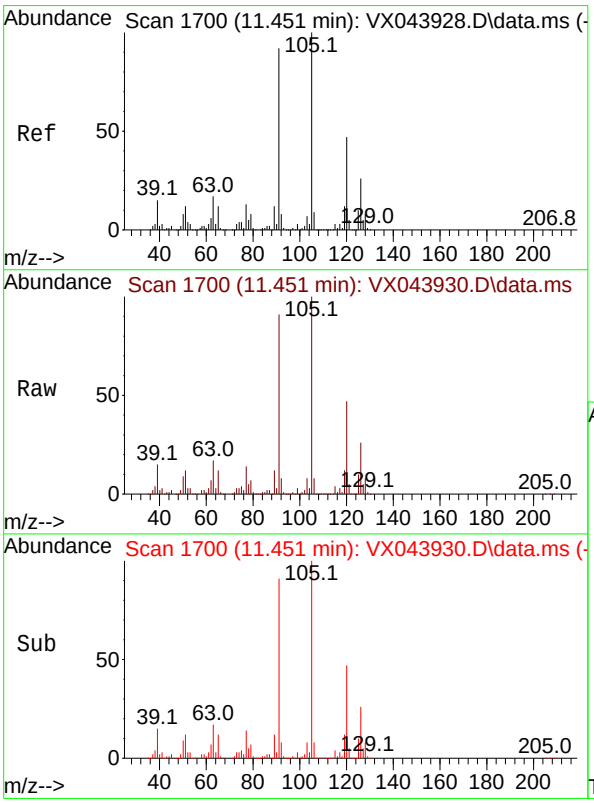
#79
2-Chlorotoluene
Concen: 150.642 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 788163

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.6	49.8

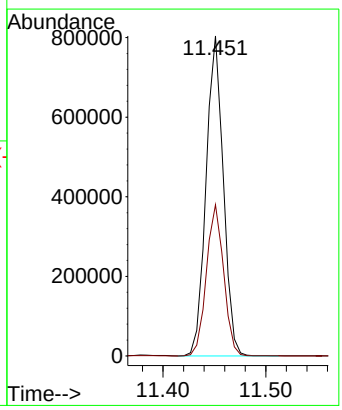


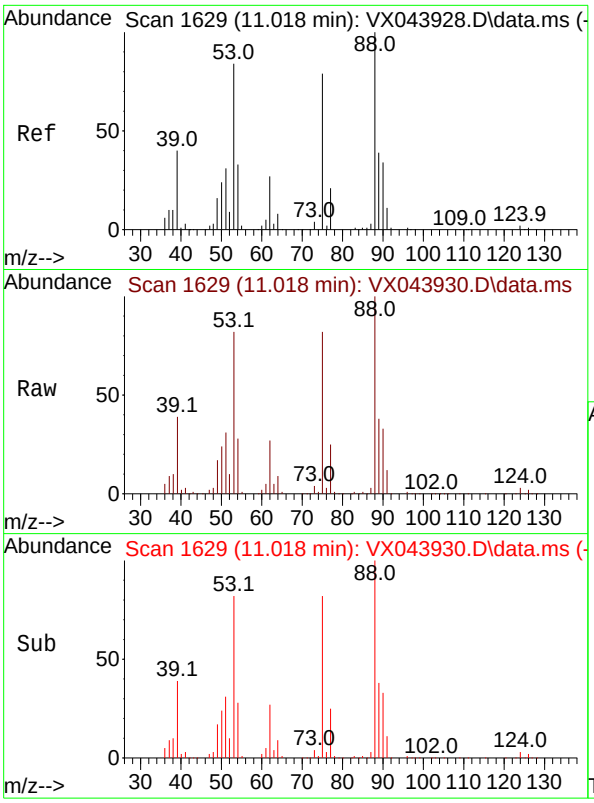


#80
1,3,5-Trimethylbenzene
Concen: 153.592 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:105 Resp: 936129

Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.3	69.8



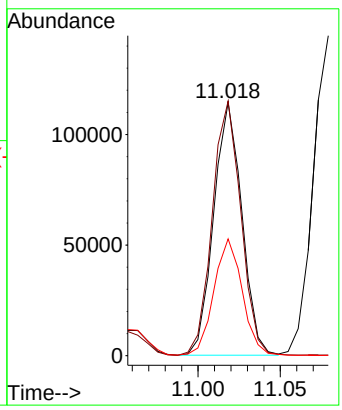


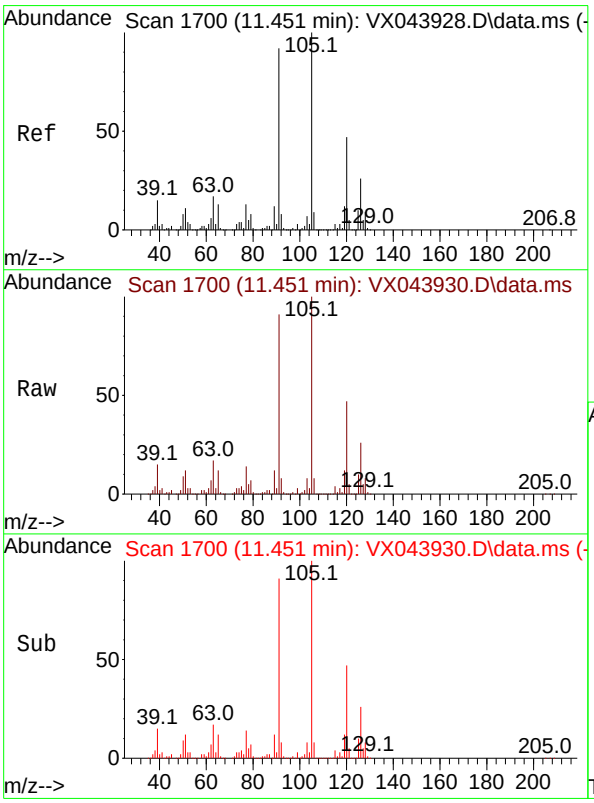
#81
trans-1,4-Dichloro-2-butene
Concen: 175.724 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 136104

Ion	Ratio	Lower	Upper
75	100		
53	103.1	86.7	130.1
89	47.0	38.2	57.2

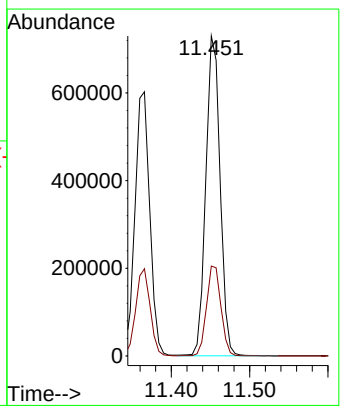


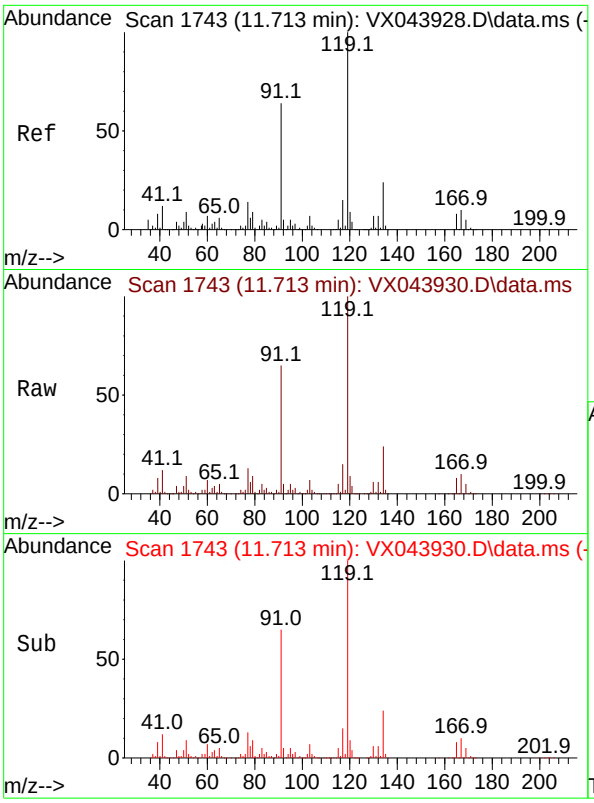


#82
4-Chlorotoluene
Concen: 155.679 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 91 Resp: 919566

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.3	42.9



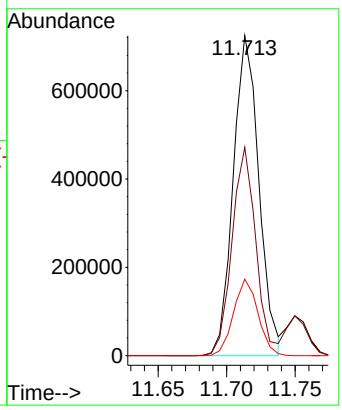


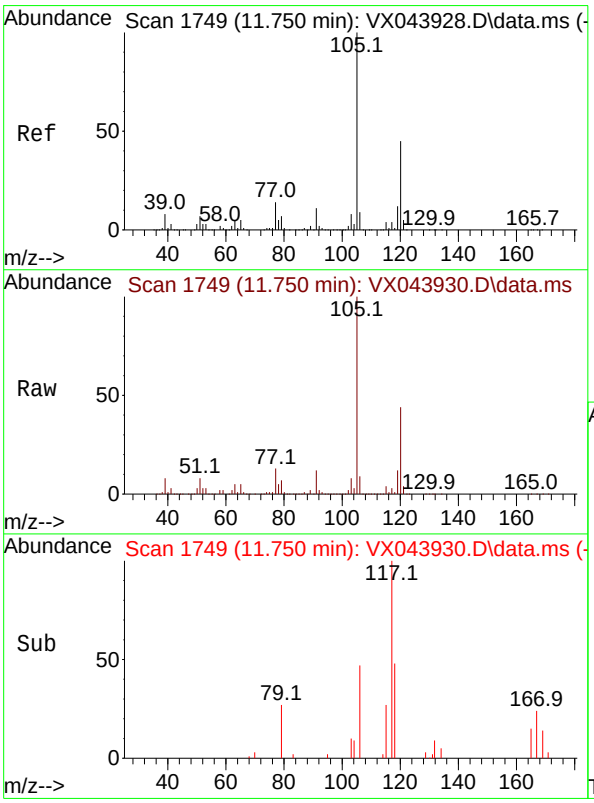
#83
tert-Butylbenzene
Concen: 156.438 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:119 Resp: 945058

Ion	Ratio	Lower	Upper
119	100		
91	60.6	31.0	93.0
134	22.9	11.6	34.8

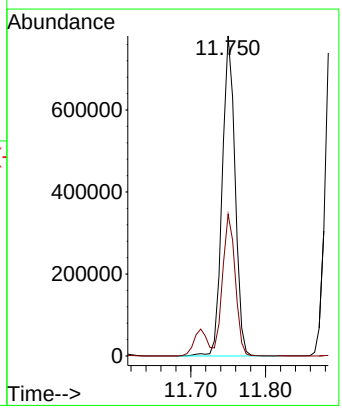


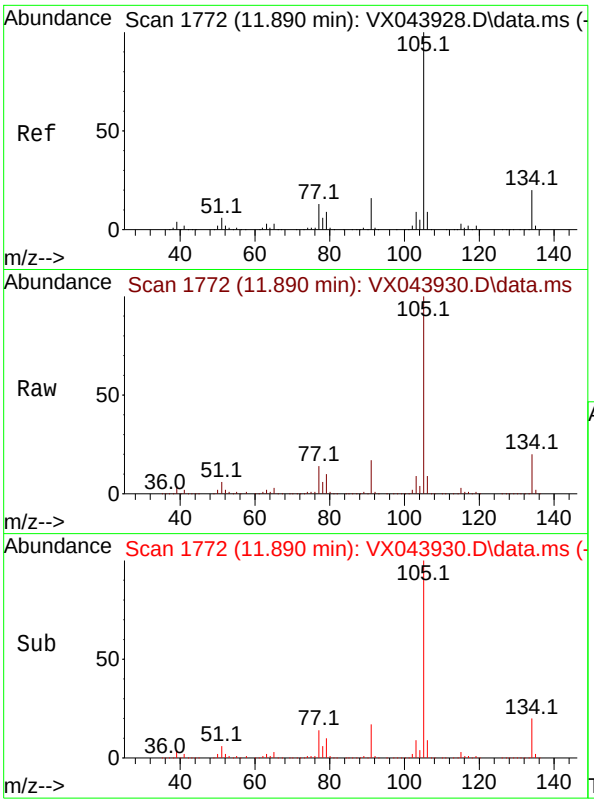


#84
1,2,4-Trimethylbenzene
Concen: 153.802 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:105 Resp: 933275

Ion	Ratio	Lower	Upper
105	100		
120	43.2	21.9	65.7



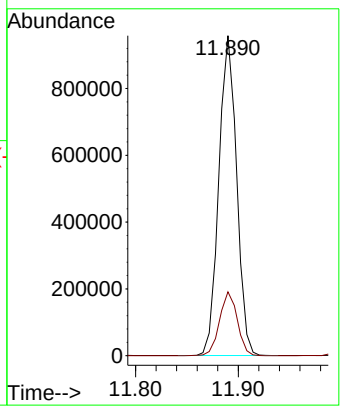


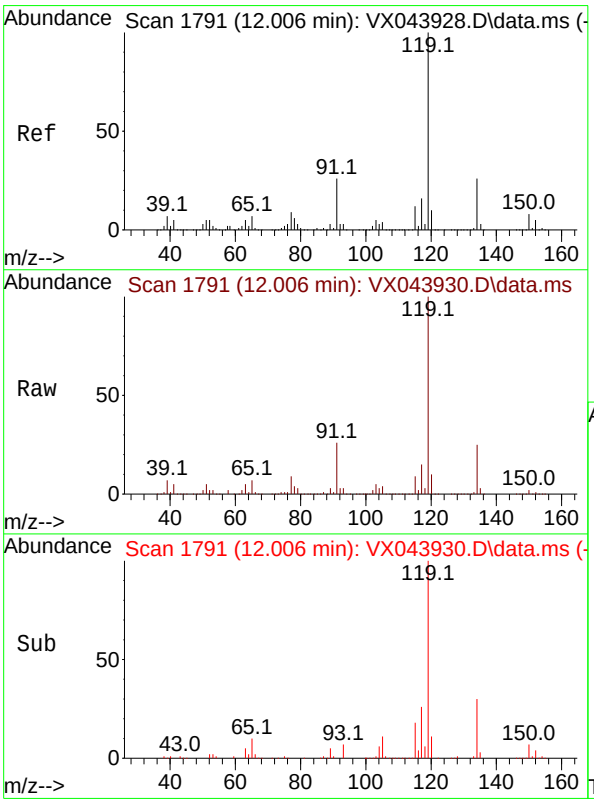
#85
sec-Butylbenzene
Concen: 155.218 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 1148877

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.7	29.1

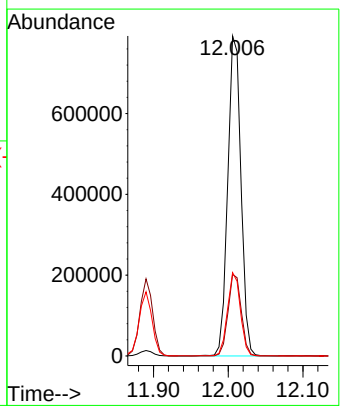


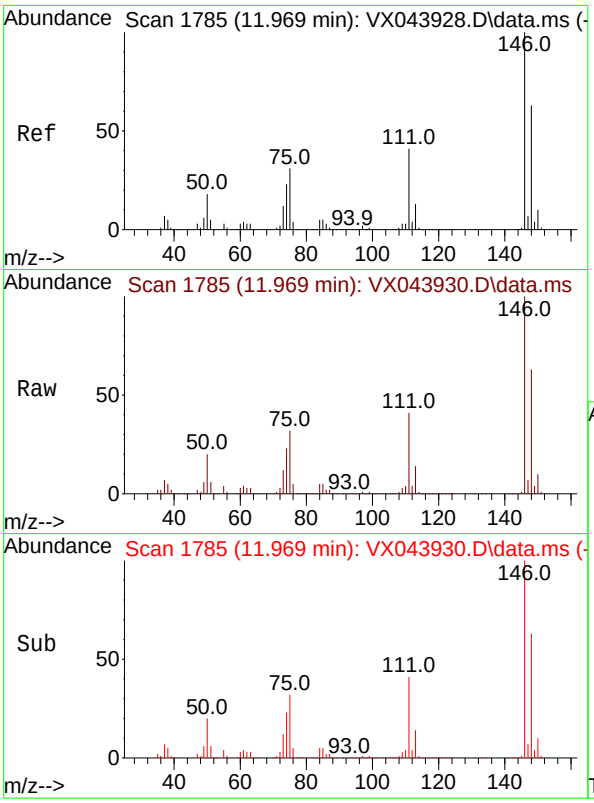


#86
p-Isopropyltoluene
Concen: 161.670 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:119 Resp: 972007

Ion	Ratio	Lower	Upper
119	100		
134	25.6	13.0	38.9
91	25.4	13.0	38.9



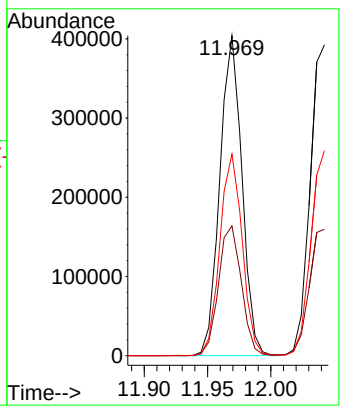


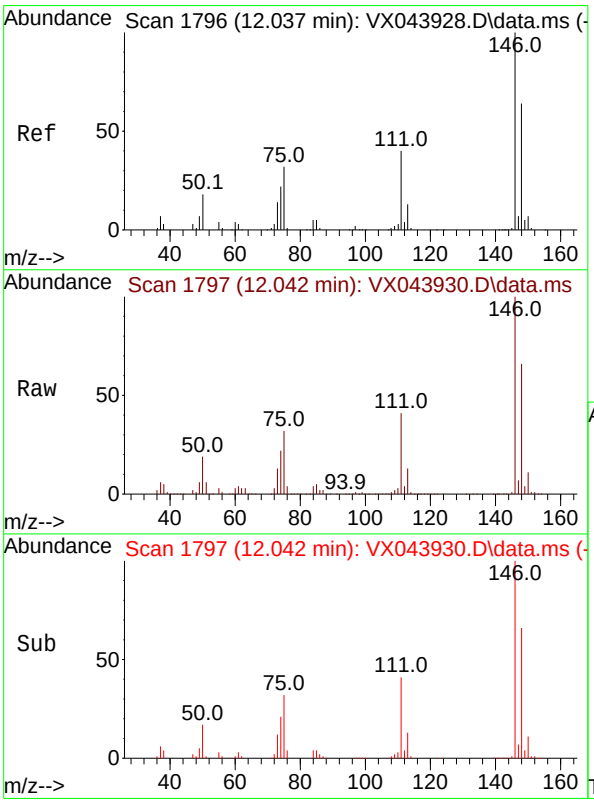
#87
1,3-Dichlorobenzene
Concen: 152.338 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 490336

Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.1	63.3
148	63.8	31.7	95.1

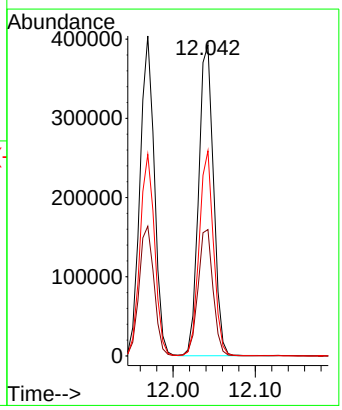


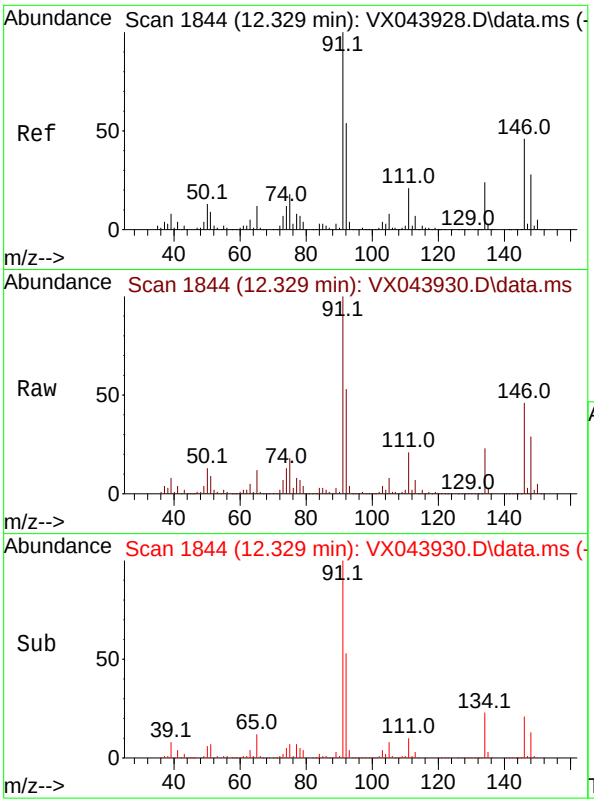


#88
1,4-Dichlorobenzene
Concen: 151.224 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:146 Resp: 494318

Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.1	60.3
148	63.5	30.9	92.8



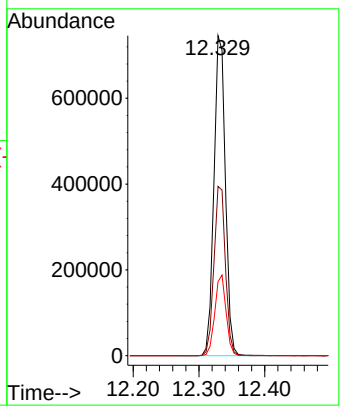


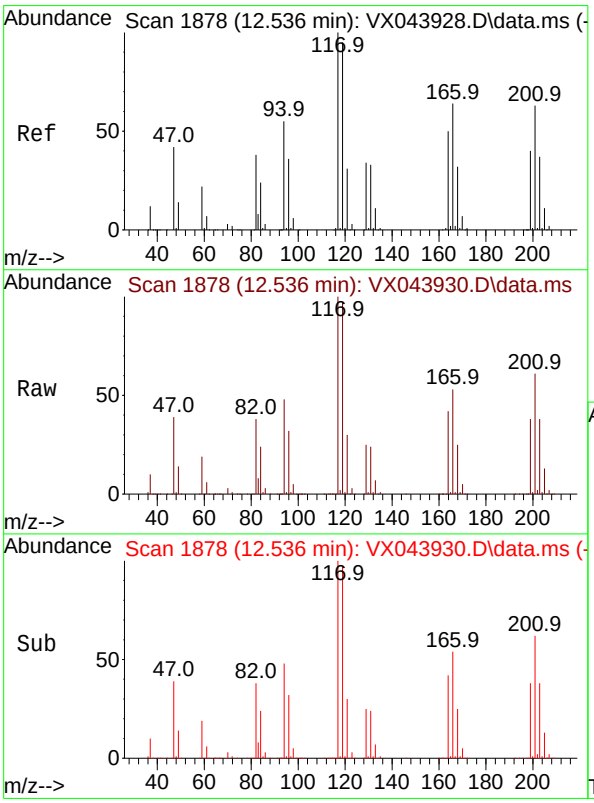
#89
n-Butylbenzene
Concen: 170.502 ug/l
RT: 12.329 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 903805

Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.6	79.8
134	24.8	12.4	37.2

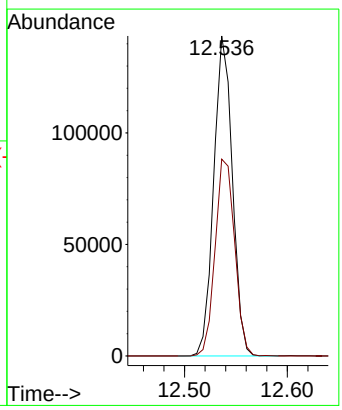


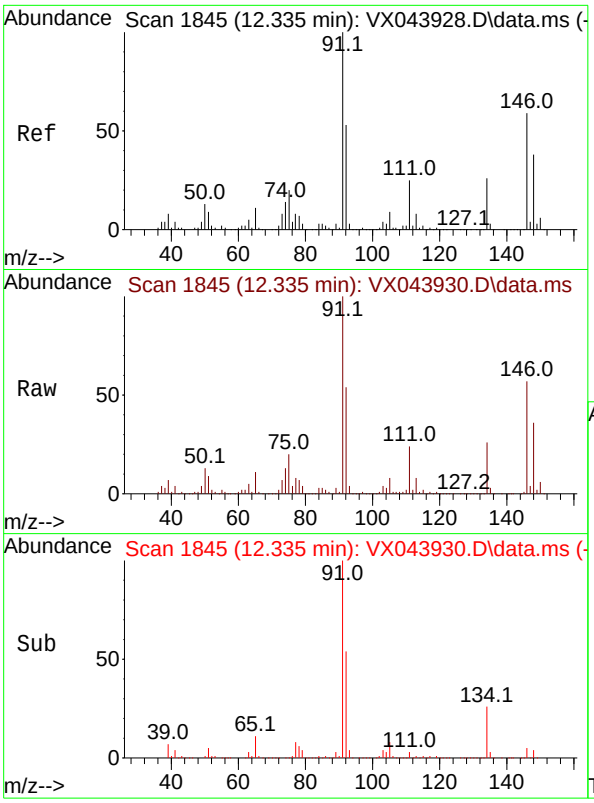


#90
Hexachloroethane
Concen: 176.628 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:117 Resp: 180575

Ion	Ratio	Lower	Upper
117	100		
201	64.6	32.4	97.0



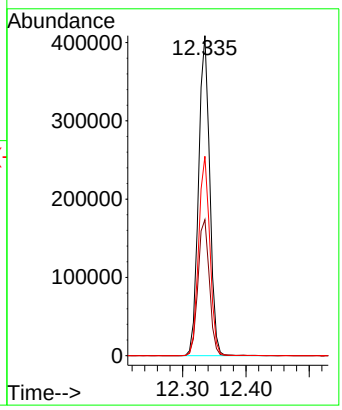


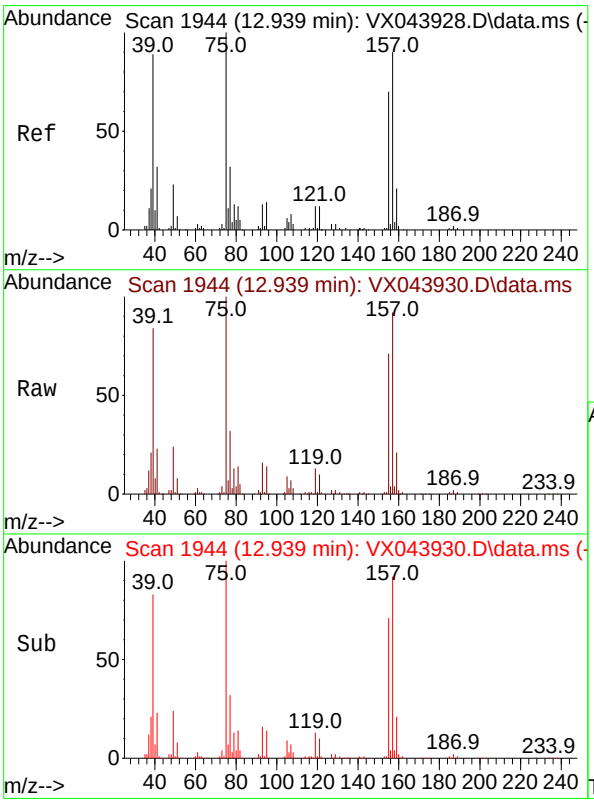
#91
1,2-Dichlorobenzene
Concen: 154.918 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 503214

Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.5	64.5
148	62.6	31.9	95.5

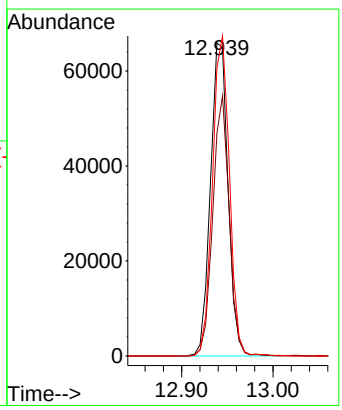


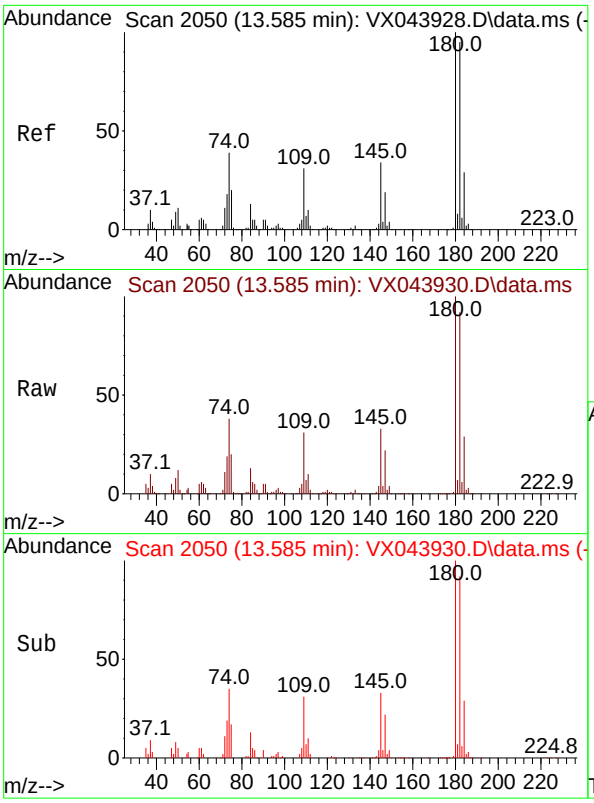


#92
1,2-Dibromo-3-Chloropropane
Concen: 173.059 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 75 Resp: 87963

Ion	Ratio	Lower	Upper
75	100		
155	77.7	40.1	120.2
157	98.7	49.6	149.0



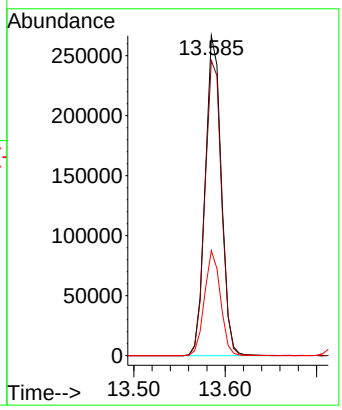


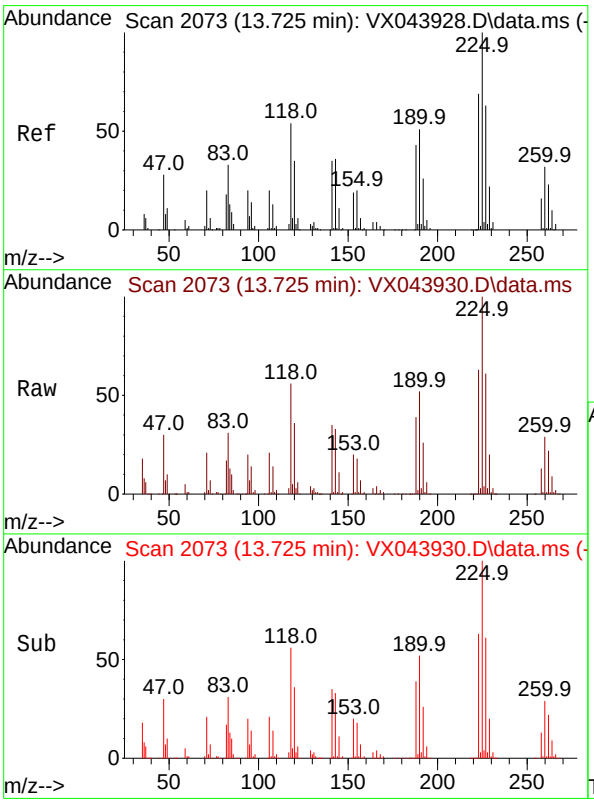
#93
1,2,4-Trichlorobenzene
Concen: 169.860 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:180 Resp: 325289

Ion	Ratio	Lower	Upper
180	100		
182	95.1	48.0	144.2
145	32.5	16.8	50.4

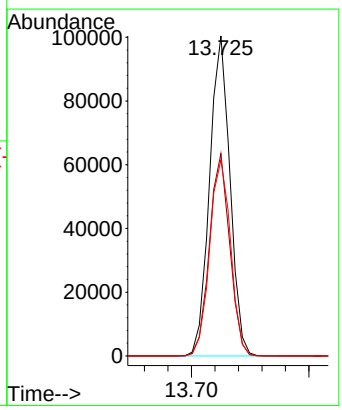


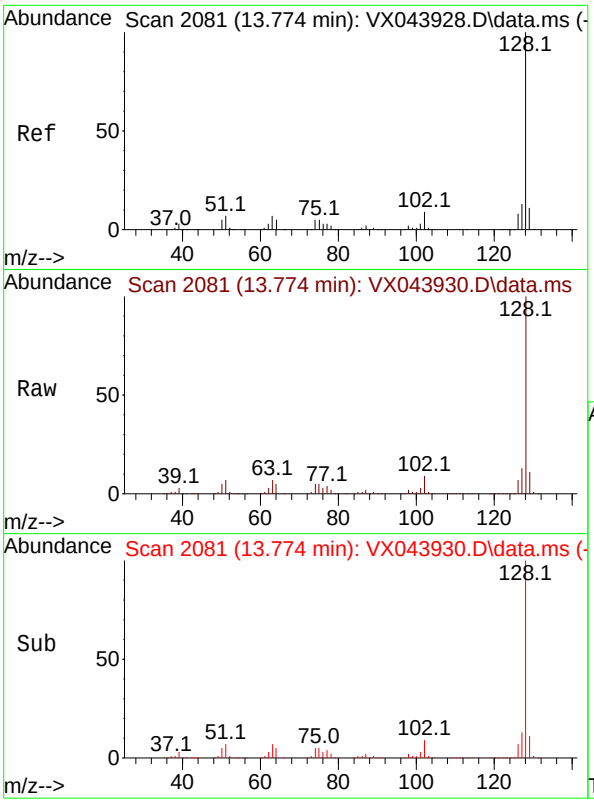


#94
Hexachlorobutadiene
Concen: 160.037 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:225 Resp: 121126

Ion	Ratio	Lower	Upper
225	100		
223	63.0	32.9	98.6
227	62.8	31.6	94.8



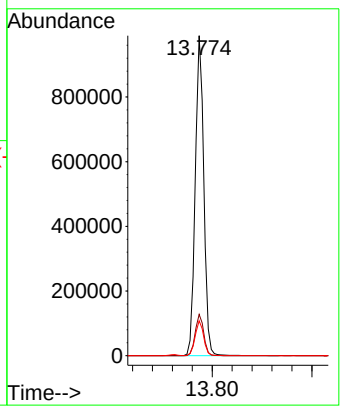


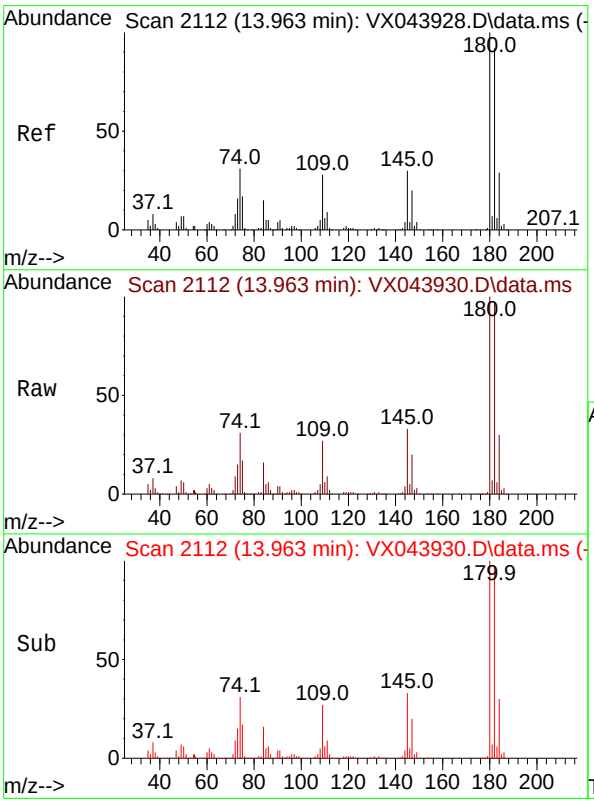
#95
Naphthalene
Concen: 170.179 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:128 Resp: 1173154

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.9	8.6	12.8

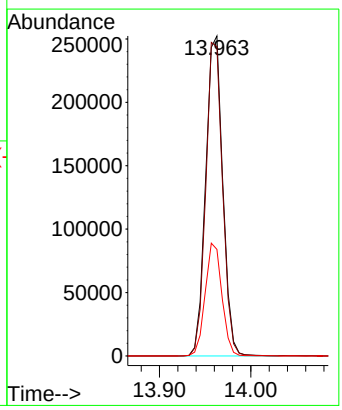




#96
1,2,3-Trichlorobenzene
Concen: 168.544 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:180 Resp: 326693

Ion	Ratio	Lower	Upper
180	100		
182	96.5	45.6	136.8
145	34.6	16.4	49.4



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

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	99
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	100
6) Chloroethane	1.660	64	46342	40.921	ug/l	100
7) Trichlorofluoromethane	1.868	101	177461	53.407	ug/l	99
8) Diethyl Ether	2.130	74	57339	47.345	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.313	101	80458	50.762	ug/l	98
10) Methyl Iodide	2.441	142	96234	48.614	ug/l	100
11) Tert butyl alcohol	2.995	59	85927	238.127	ug/l	99
12) 1,1-Dichloroethene	2.307	96	72787	48.192	ug/l	99
13) Acrolein	2.233	56	89571	235.500	ug/l	98
14) Allyl chloride	2.654	41	127367	51.610	ug/l	99
15) Acrylonitrile	3.063	53	227832	259.090	ug/l	99
16) Acetone	2.386	43	257802	249.676	ug/l	99
17) Carbon Disulfide	2.496	76	153826	49.375	ug/l	100
18) Methyl Acetate	2.703	43	121774	50.643	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	275221	50.186	ug/l	98
20) Methylene Chloride	2.782	84	82274	46.954	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	76687	49.179	ug/l	97
22) Diisopropyl ether	3.758	45	264554	50.132	ug/l	96
23) Vinyl Acetate	3.715	43	1189244	263.441	ug/l	100
24) 1,1-Dichloroethane	3.599	63	153635	50.466	ug/l	98
25) 2-Butanone	4.556	43	348803	261.804	ug/l	98
26) 2,2-Dichloropropane	4.459	77	143910	52.343	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	95076	49.326	ug/l	99
28) Bromochloromethane	4.891	49	62874	46.920	ug/l	96
29) Tetrahydrofuran	5.001	42	207942	254.585	ug/l	100
30) Chloroform	5.080	83	163357	49.891	ug/l	98
31) Cyclohexane	5.458	56	128482	51.278	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	144908	51.320	ug/l	99
36) 1,1-Dichloropropene	5.678	75	108518	53.218	ug/l	97
37) Ethyl Acetate	4.709	43	133283	52.656	ug/l	97
38) Carbon Tetrachloride	5.660	117	118655	51.786	ug/l	99
39) Methylcyclohexane	7.373	83	141696	53.489	ug/l	93
40) Benzene	6.025	78	319222	50.257	ug/l	98

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	69766	53.851	ug/l		99
42) 1,2-Dichloroethane	6.074	62	128623	50.421	ug/l		100
43) Isopropyl Acetate	6.336	43	207332	51.469	ug/l		99
44) Trichloroethene	7.117	130	80113	44.554	ug/l		90
45) 1,2-Dichloropropane	7.422	63	74380	47.811	ug/l		98
46) Dibromomethane	7.574	93	62345	50.662	ug/l		99
47) Bromodichloromethane	7.818	83	116199	52.648	ug/l		99
48) Methyl methacrylate	7.690	41	101062	52.284	ug/l		99
49) 1,4-Dioxane	7.659	88	31178	905.506	ug/l	#	86
51) 4-Methyl-2-Pentanone	8.574	43	652721	265.520	ug/l		100
52) Toluene	8.714	92	195814	51.507	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	119461	53.077	ug/l		96
54) cis-1,3-Dichloropropene	8.360	75	128808	52.205	ug/l		99
55) 1,1,2-Trichloroethane	9.147	97	78575	50.069	ug/l		97
56) Ethyl methacrylate	9.116	69	129841	53.118	ug/l		100
57) 1,3-Dichloropropane	9.305	76	134680	50.945	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	315358	235.230	ug/l		99
59) 2-Hexanone	9.427	43	504444	273.011	ug/l		100
60) Dibromochloromethane	9.519	129	82754	52.557	ug/l		99
61) 1,2-Dibromoethane	9.604	107	83098	52.367	ug/l		100
64) Tetrachloroethene	9.269	164	66054	50.396	ug/l		97
65) Chlorobenzene	10.073	112	209963	48.094	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	74354	52.515	ug/l		98
67) Ethyl Benzene	10.189	91	377215	50.991	ug/l		97
68) m/p-Xylenes	10.299	106	282971	102.572	ug/l		99
69) o-Xylene	10.640	106	138437	51.396	ug/l		98
70) Styrene	10.653	104	230449	51.728	ug/l		99
71) Bromoform	10.799	173	50837	47.449	ug/l	#	98
73) Isopropylbenzene	10.957	105	365084	49.222	ug/l		99
74) N-amyl acetate	10.842	43	176627	51.406	ug/l		99
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		83
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		100
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		98
82) 4-Chlorotoluene	11.451	91	287717	48.652	ug/l		100
83) tert-Butylbenzene	11.713	119	303408	50.165	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	306251	50.410	ug/l		100
85) sec-Butylbenzene	11.890	105	372793	50.307	ug/l		99
86) p-Isopropyltoluene	12.006	119	310060	51.511	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	153164	47.529	ug/l		99
88) 1,4-Dichlorobenzene	12.043	146	155422	47.306	ug/l		97
89) n-Butylbenzene	12.329	91	276075	52.020	ug/l		99
90) Hexachloroethane	12.536	117	51229	50.050	ug/l		97
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		99
93) 1,2,4-Trichlorobenzene	13.585	180	94896	49.495	ug/l		99
94) Hexachlorobutadiene	13.725	225	37937	50.065	ug/l		97
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

Quantitation Report (Not Reviewed)

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

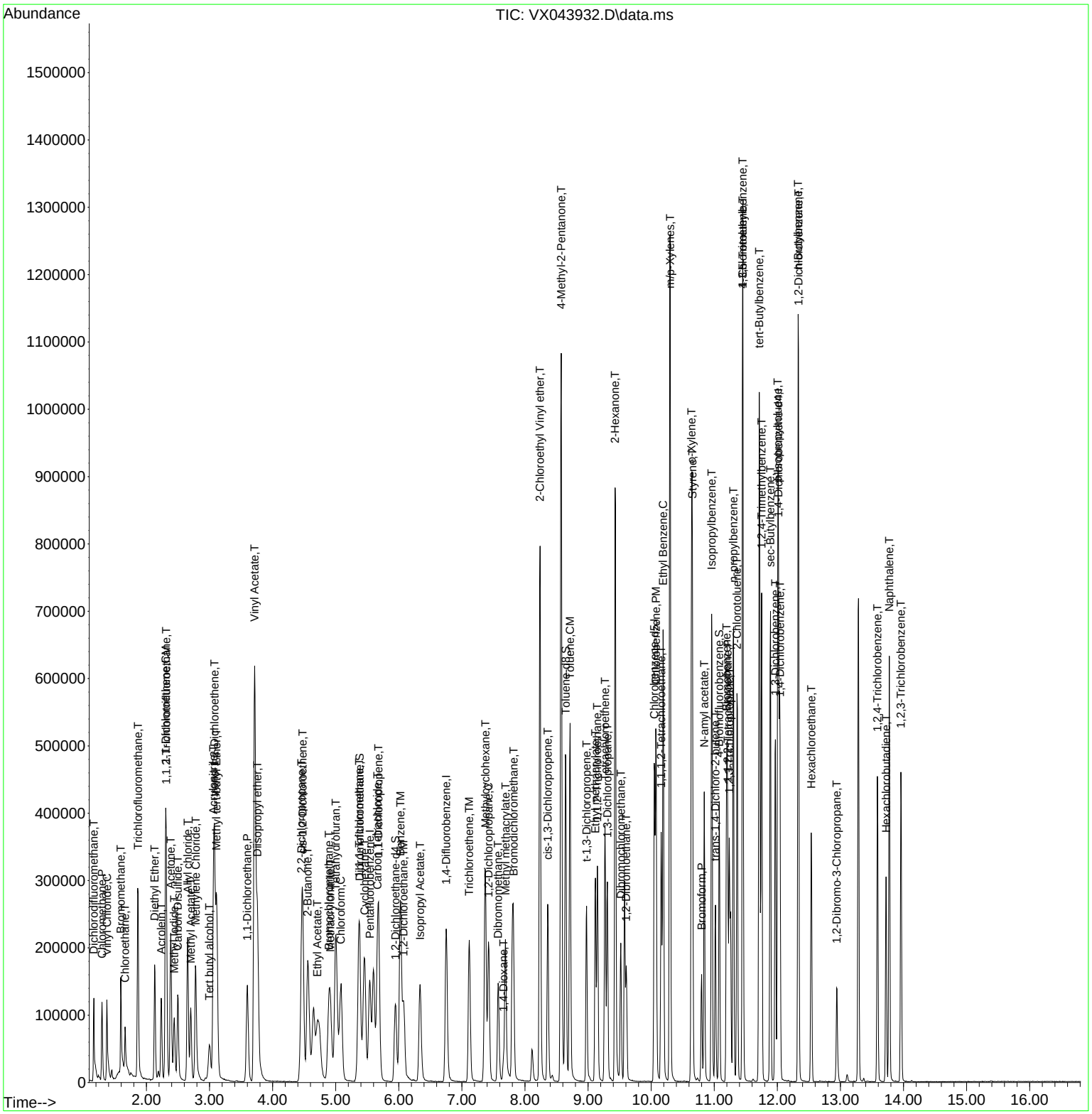
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

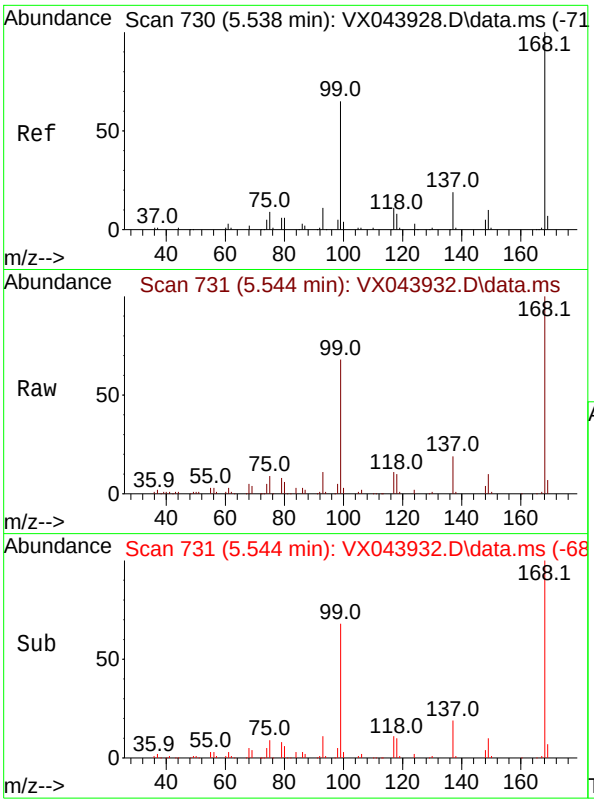
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\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



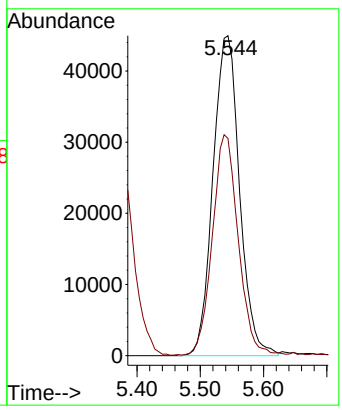


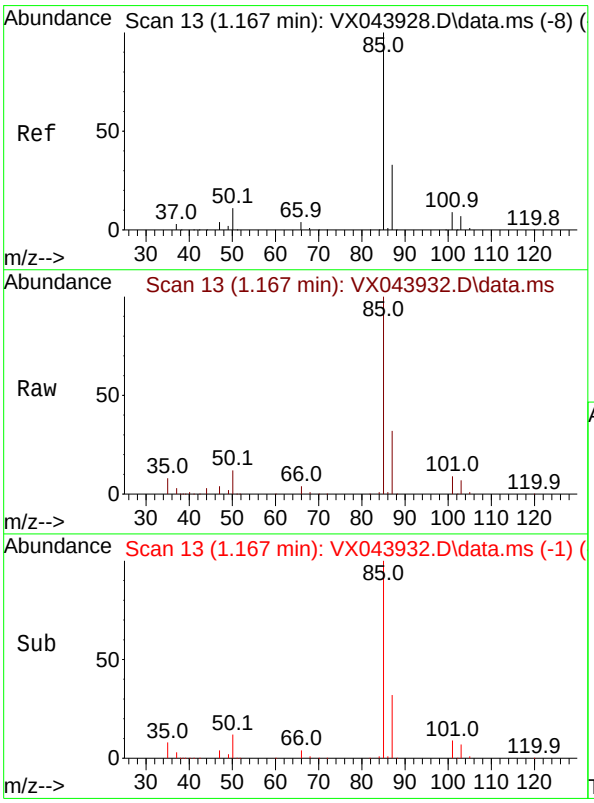
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion:168 Resp: 131073

Ion	Ratio	Lower	Upper
168	100		
99	67.5	51.8	77.8

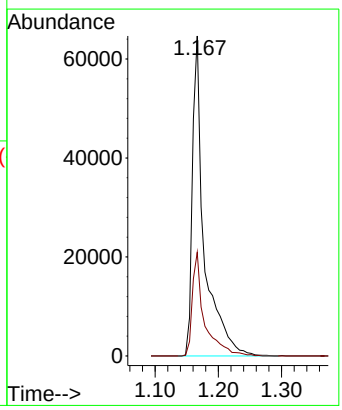


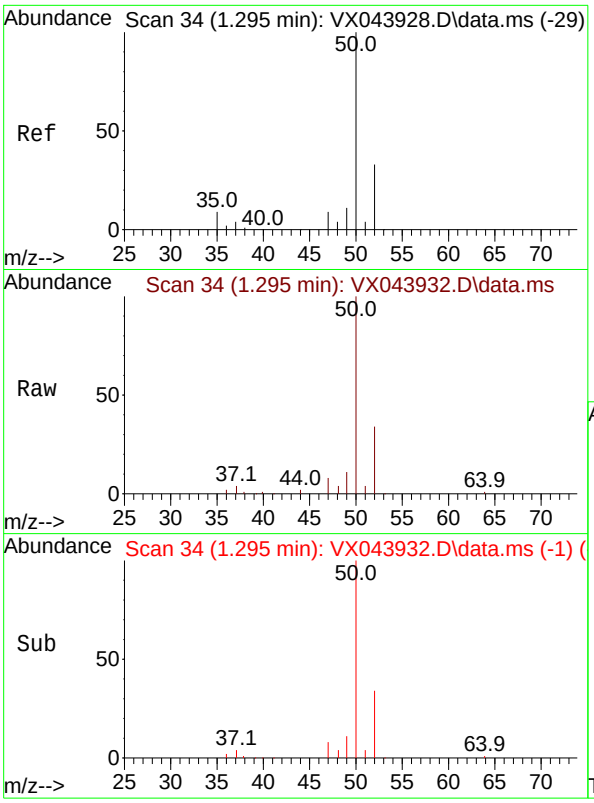


#2
Dichlorodifluoromethane
Concen: 50.537 ug/l
RT: 1.167 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 85 Resp: 83916

Ion	Ratio	Lower	Upper
85	100		
87	32.4	16.6	49.8



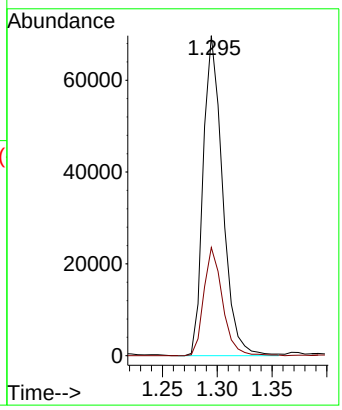


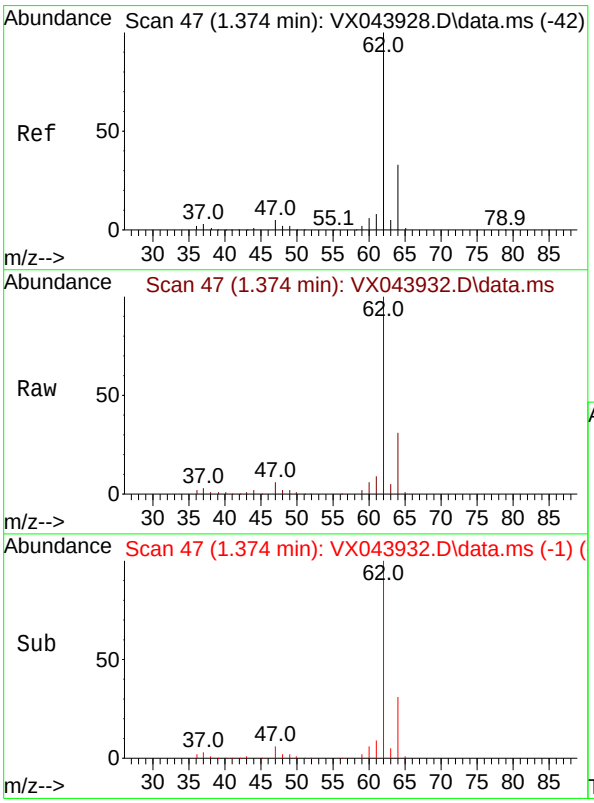
#3
Chloromethane
Concen: 49.100 ug/l
RT: 1.295 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 50 Resp: 85795

Ion	Ratio	Lower	Upper
50	100		
52	33.8	26.1	39.1

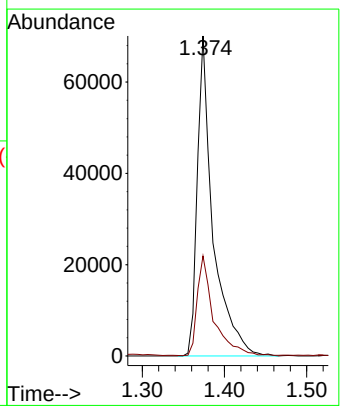


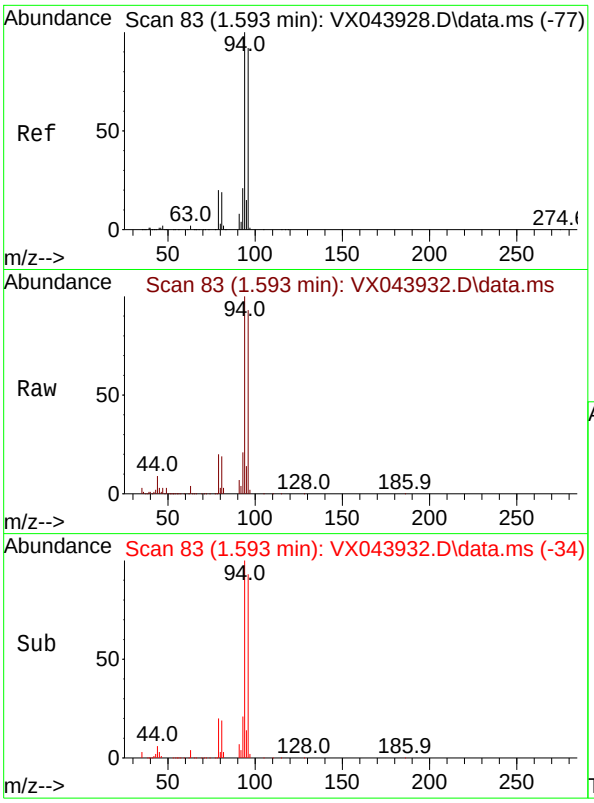


#4
Vinyl Chloride
Concen: 50.118 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 62 Resp: 93147

Ion	Ratio	Lower	Upper
62	100		
64	31.1	26.2	39.4



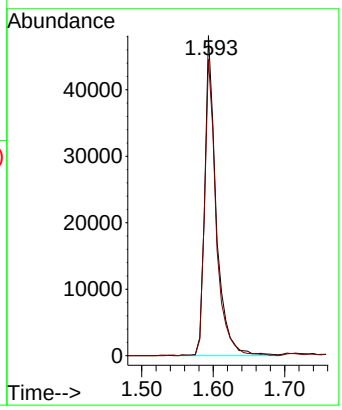


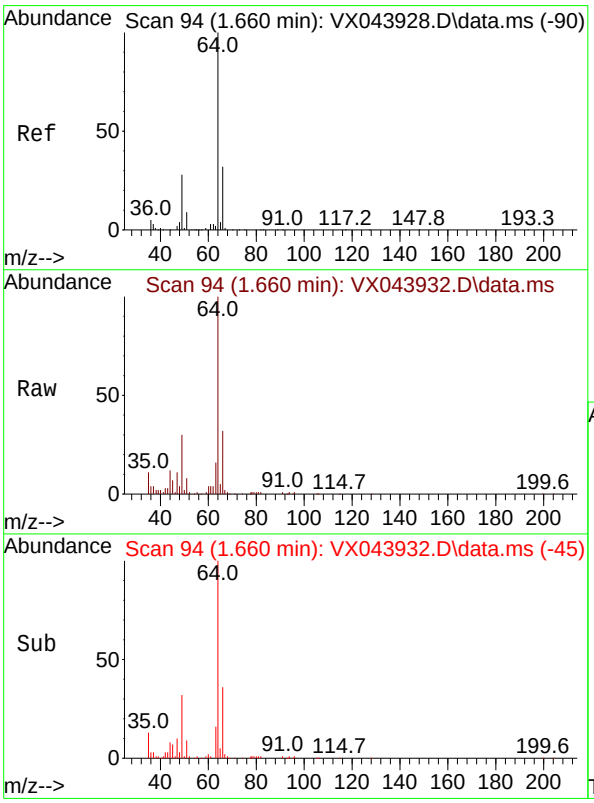
#5
Bromomethane
Concen: 47.040 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 94 Resp: 53783

Ion	Ratio	Lower	Upper
94	100		
96	92.7	73.9	110.9

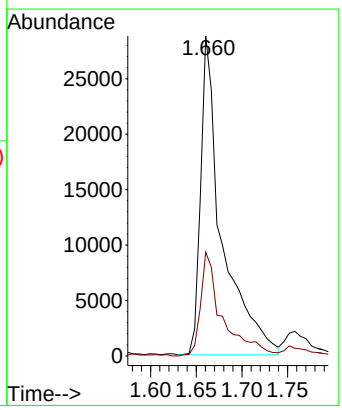


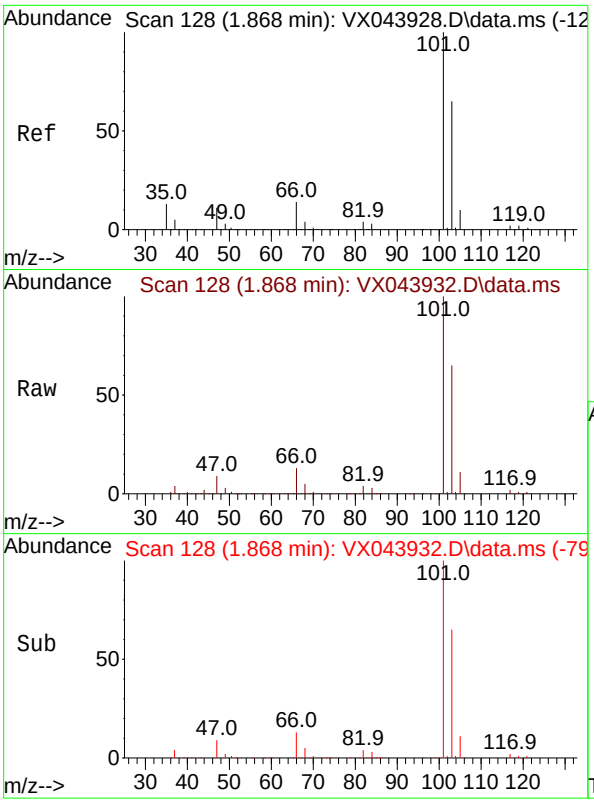


#6
Chloroethane
Concen: 40.921 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 64 Resp: 46342

Ion	Ratio	Lower	Upper
64	100		
66	32.5	25.9	38.9



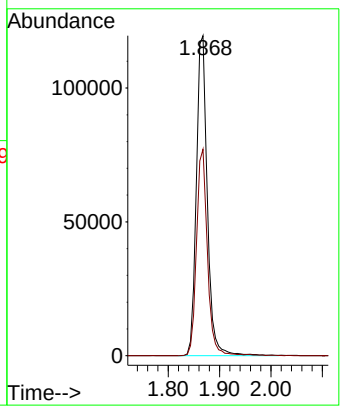


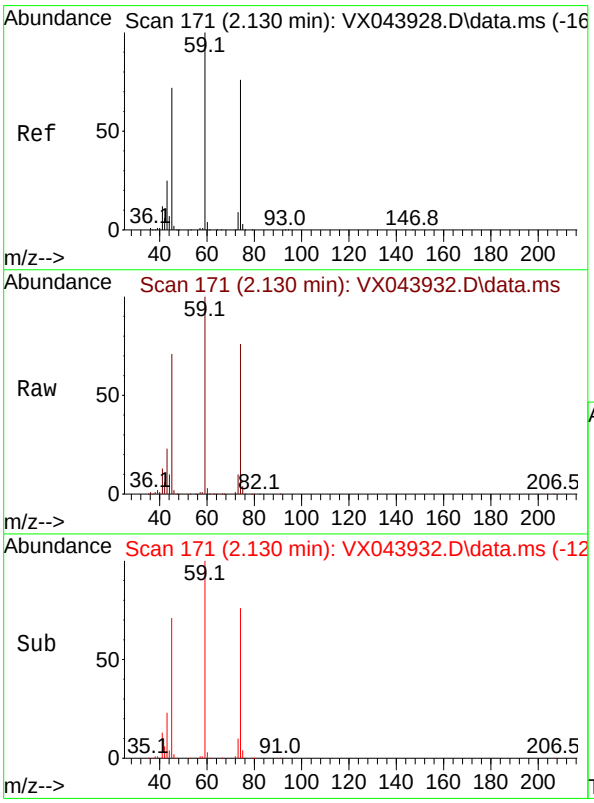
#7
Trichlorofluoromethane
Concen: 53.407 ug/l
RT: 1.868 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion:101 Resp: 177461

Ion	Ratio	Lower	Upper
101	100		
103	64.5	52.2	78.2

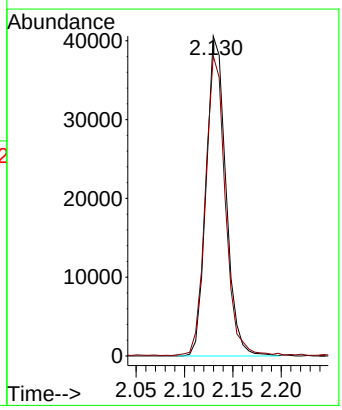


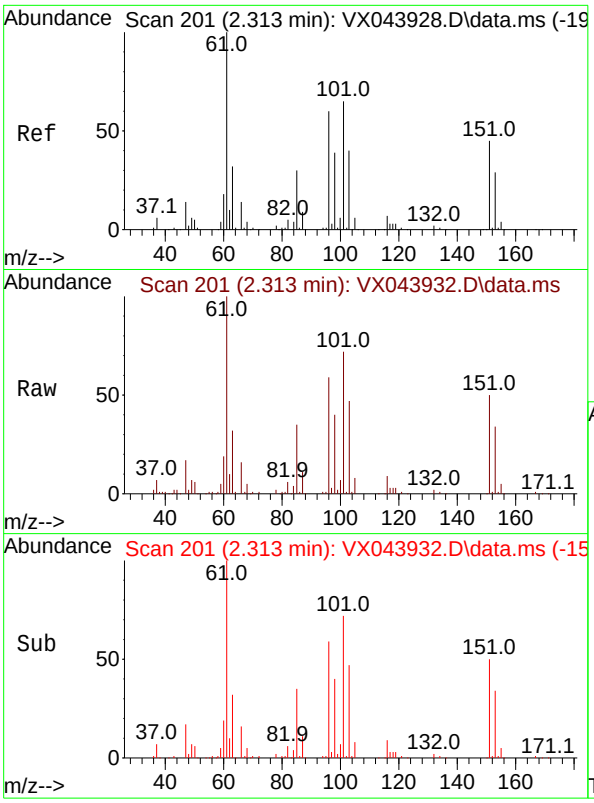


#8
Diethyl Ether
Concen: 47.345 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 74 Resp: 57339

Ion	Ratio	Lower	Upper
74	100		
45	95.6	47.9	143.6



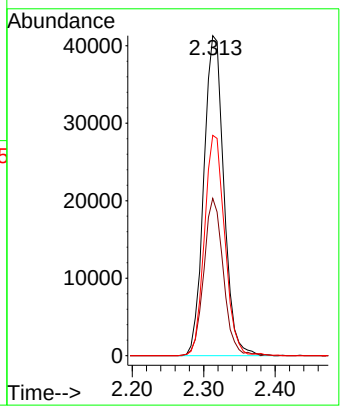


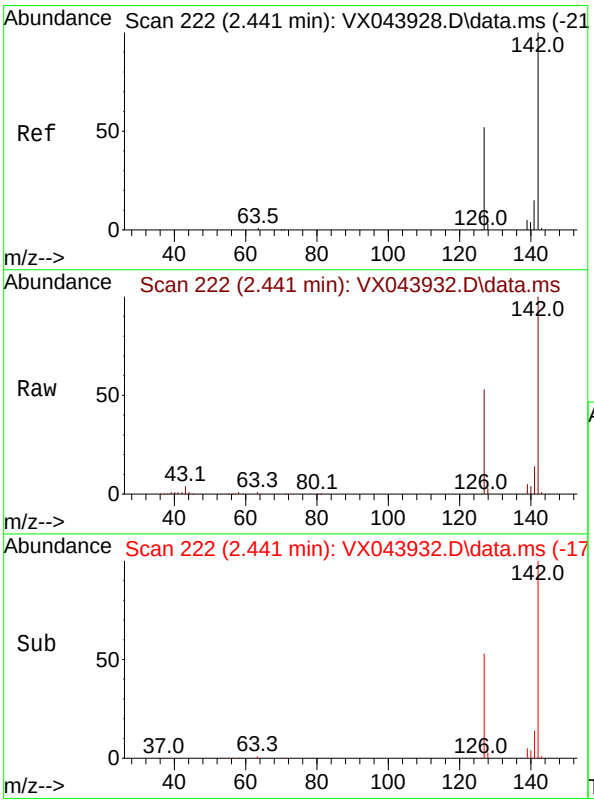
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.762 ug/l
RT: 2.313 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion:101 Resp: 80458

Ion	Ratio	Lower	Upper
101	100		
85	47.7	37.9	56.9
151	69.3	57.5	86.3

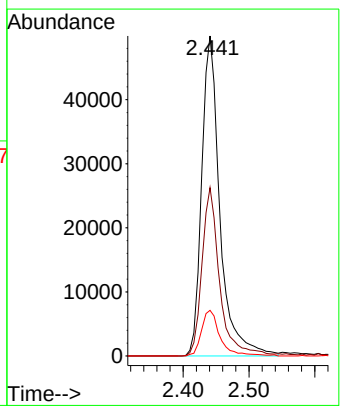


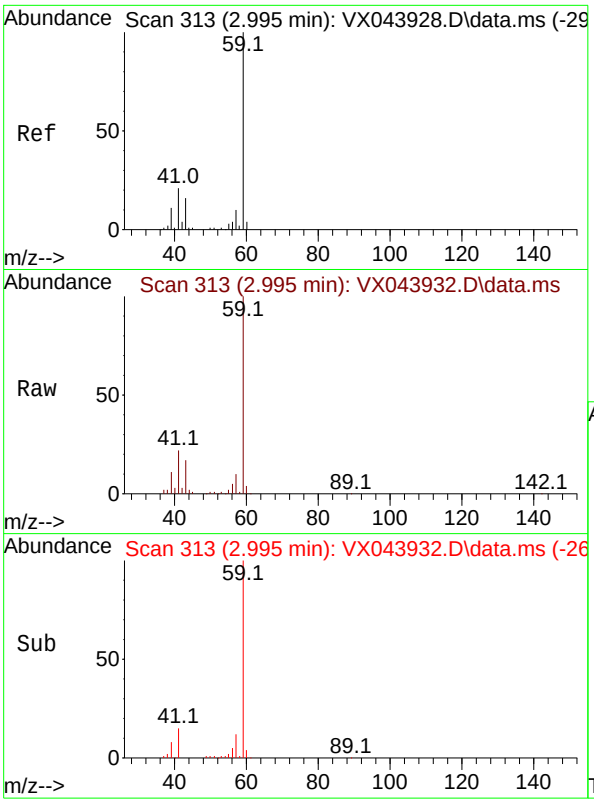


#10
Methyl Iodide
Concen: 48.614 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:142 Resp: 96234

Ion	Ratio	Lower	Upper
142	100		
127	50.9	40.7	61.1
141	14.6	12.0	18.0



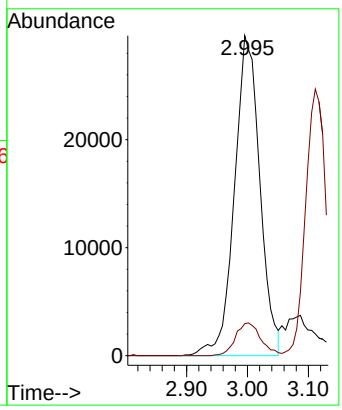


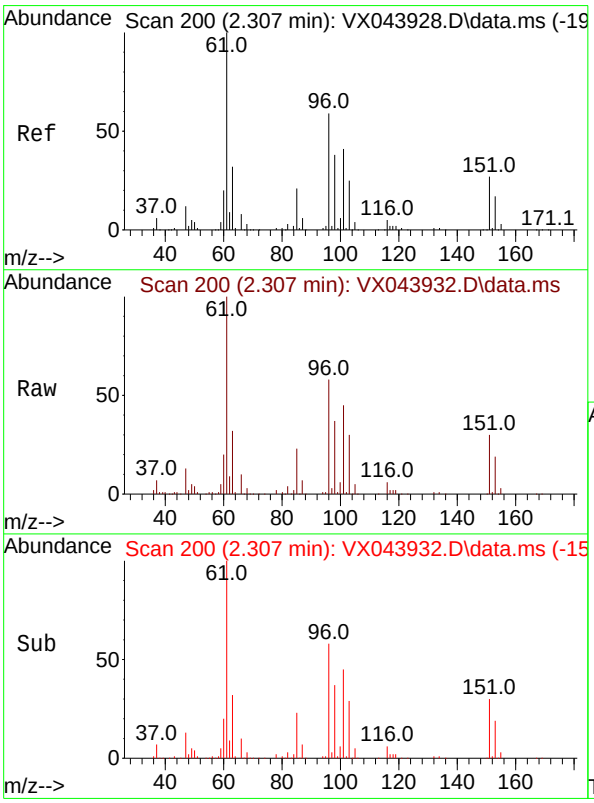
#11
Tert butyl alcohol
Concen: 238.127 ug/l
RT: 2.995 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 59 Resp: 85927

Ion	Ratio	Lower	Upper
59	100		
57	10.3	7.9	11.9

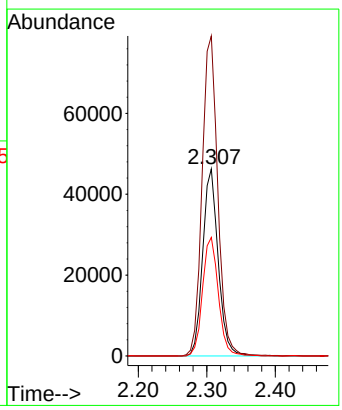


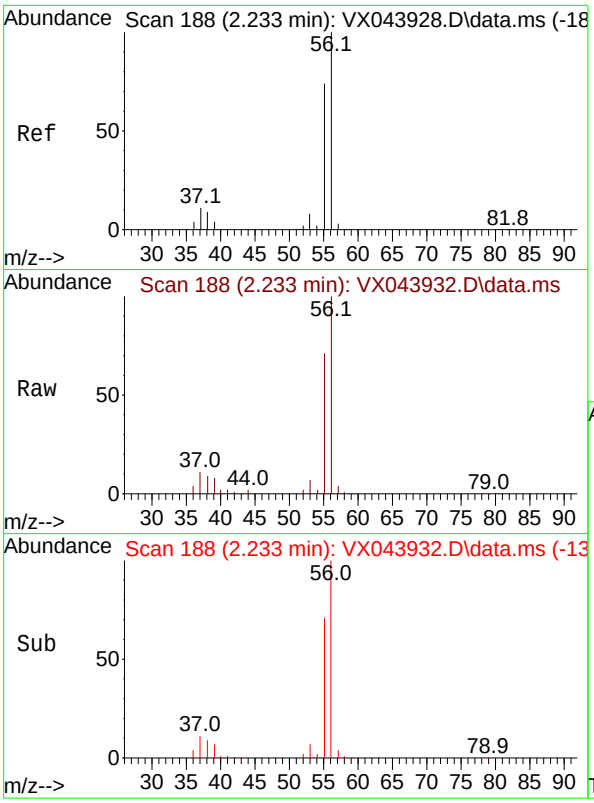


#12
1,1-Dichloroethene
Concen: 48.192 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 96 Resp: 72787

Ion	Ratio	Lower	Upper
96	100		
61	171.1	135.5	203.3
98	63.4	50.8	76.2



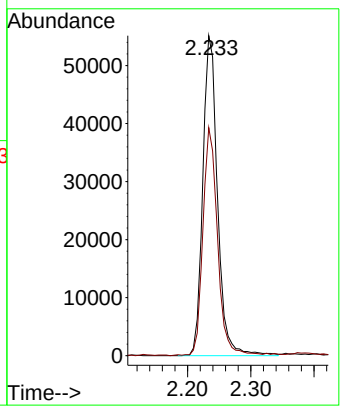


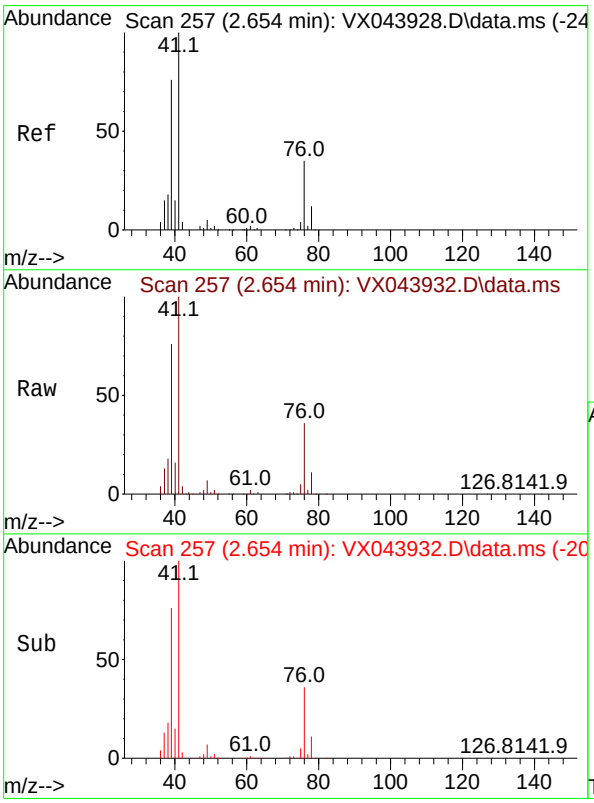
#13
Acrolein
Concen: 235.500 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 56 Resp: 89571

Ion	Ratio	Lower	Upper
56	100		
55	70.9	58.2	87.2

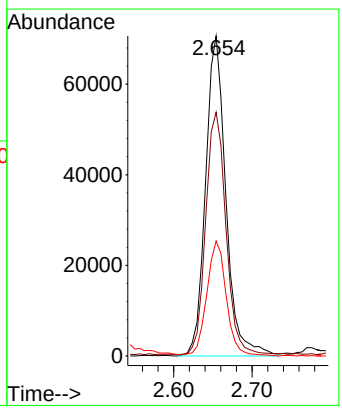


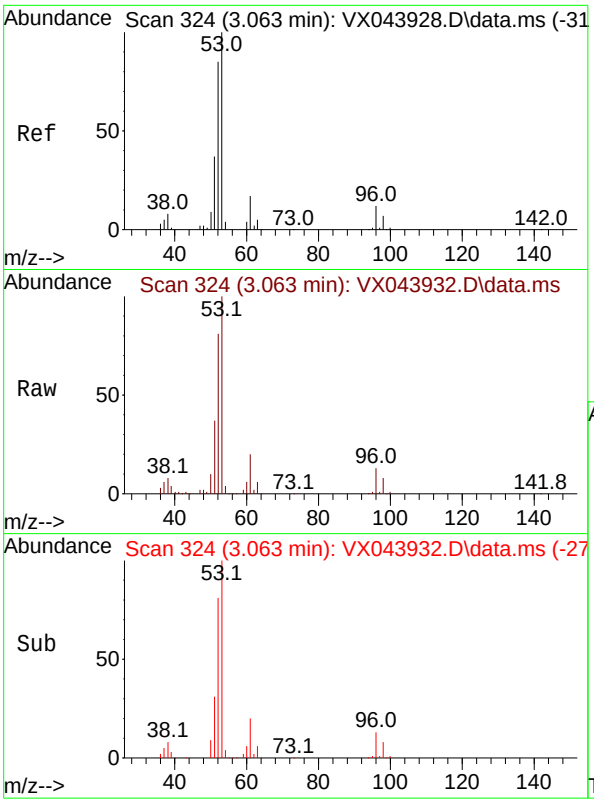


#14
Allyl chloride
Concen: 51.610 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 41 Resp: 127367

Ion	Ratio	Lower	Upper
41	100		
39	75.3	59.5	89.3
76	34.5	27.4	41.2



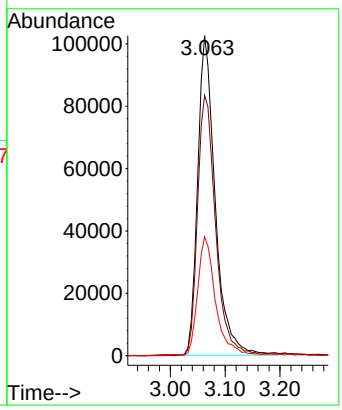


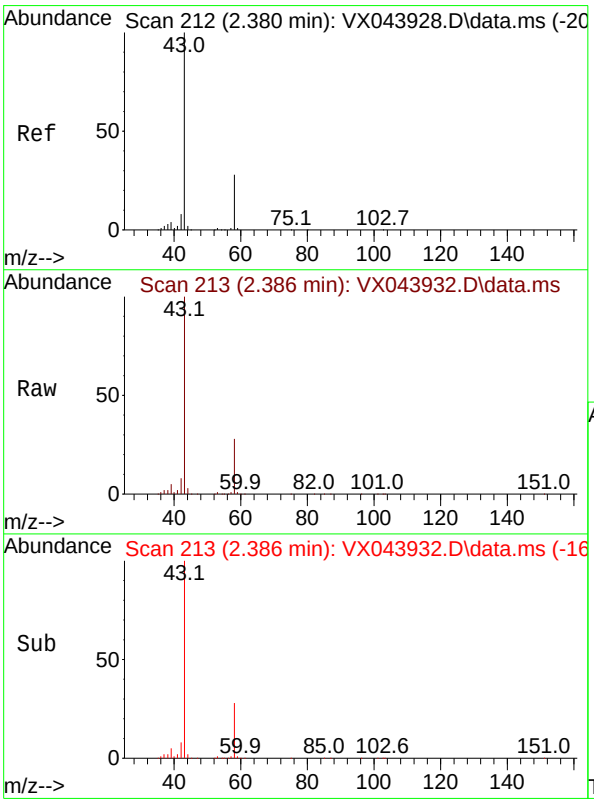
#15
Acrylonitrile
Concen: 259.090 ug/l
RT: 3.063 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 53 Resp: 227832

Ion	Ratio	Lower	Upper
53	100		
52	84.3	66.5	99.7
51	37.2	30.2	45.4

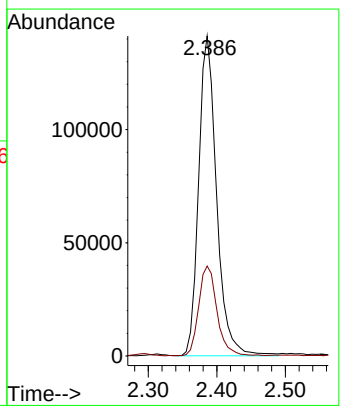


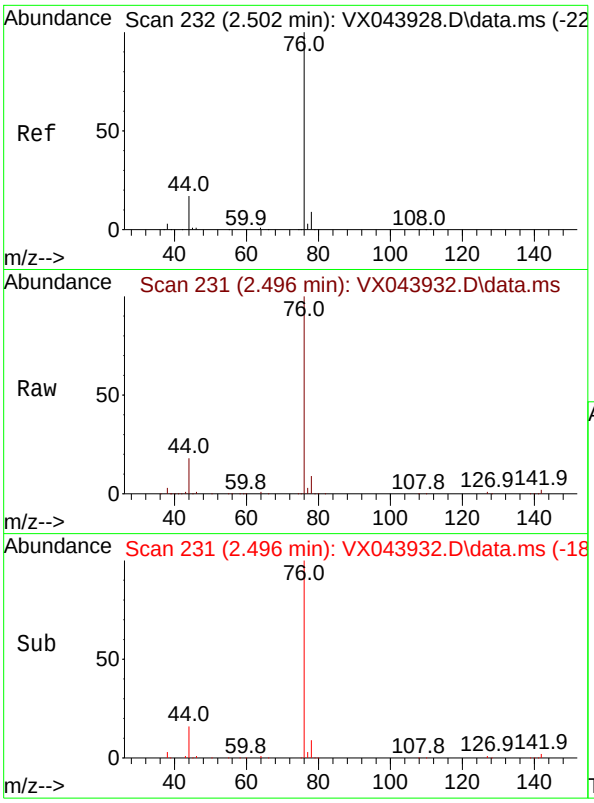


#16
Acetone
Concen: 249.676 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 43 Resp: 257802

Ion	Ratio	Lower	Upper
43	100		
58	28.0	22.7	34.1



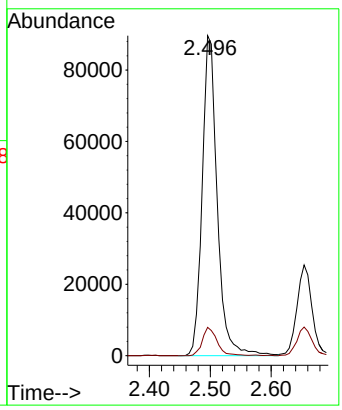


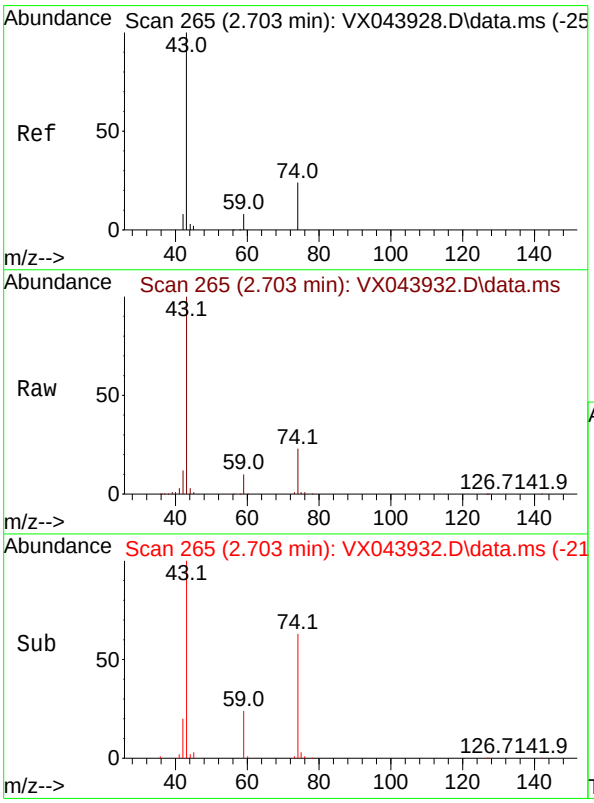
#17
Carbon Disulfide
Concen: 49.375 ug/l
RT: 2.496 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 76 Resp: 153826

Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.6

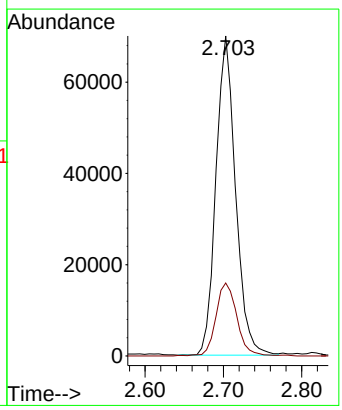


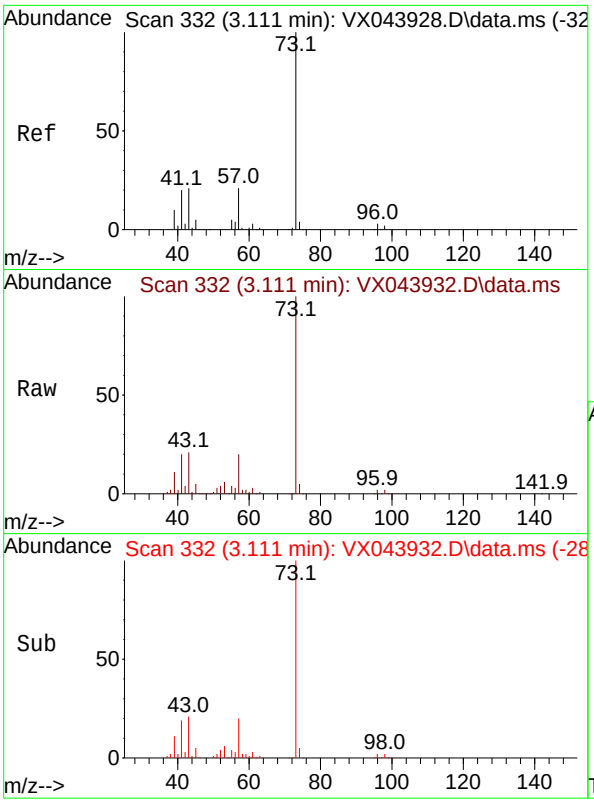


#18
Methyl Acetate
Concen: 50.643 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 43 Resp: 121774

Ion	Ratio	Lower	Upper
43	100		
74	24.5	18.9	28.3



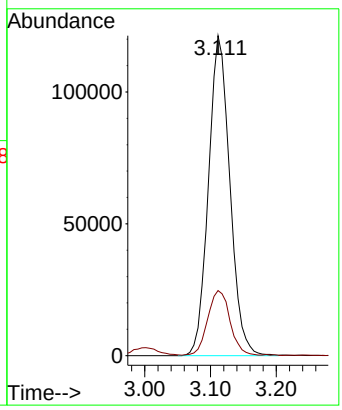


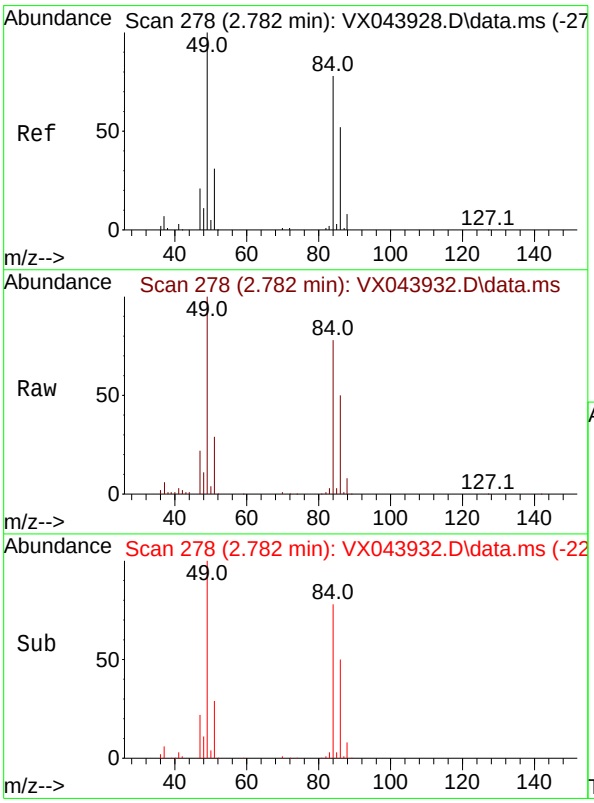
#19
Methyl tert-butyl Ether
Concen: 50.186 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 73 Resp: 275221

Ion	Ratio	Lower	Upper
73	100		
57	20.2	17.0	25.6

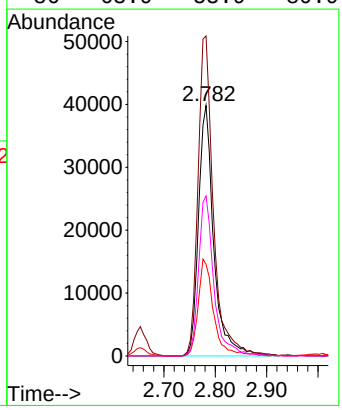


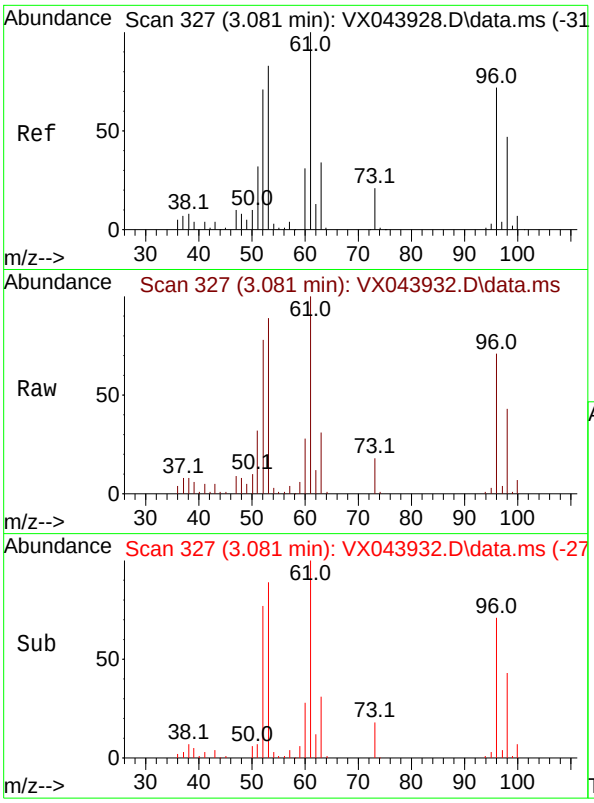


#20
Methylene Chloride
Concen: 46.954 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 84 Resp: 82274

Ion	Ratio	Lower	Upper
84	100		
49	127.8	102.7	154.1
51	36.6	31.7	47.5
86	63.9	53.9	80.9



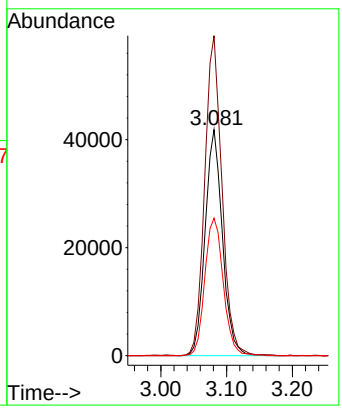


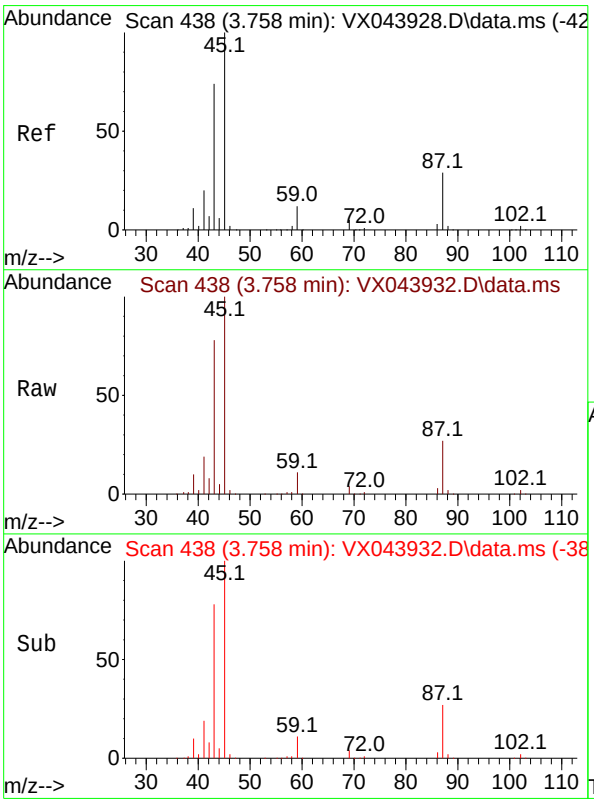
#21
trans-1,2-Dichloroethene
Concen: 49.179 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 96 Resp: 76687

Ion	Ratio	Lower	Upper
96	100		
61	141.5	111.8	167.6
98	60.8	52.7	79.1

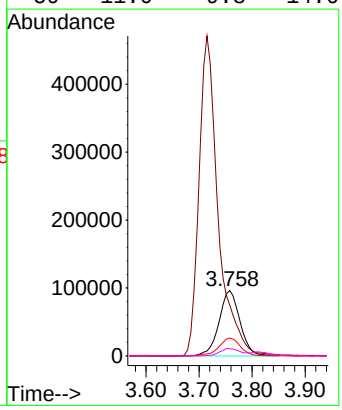


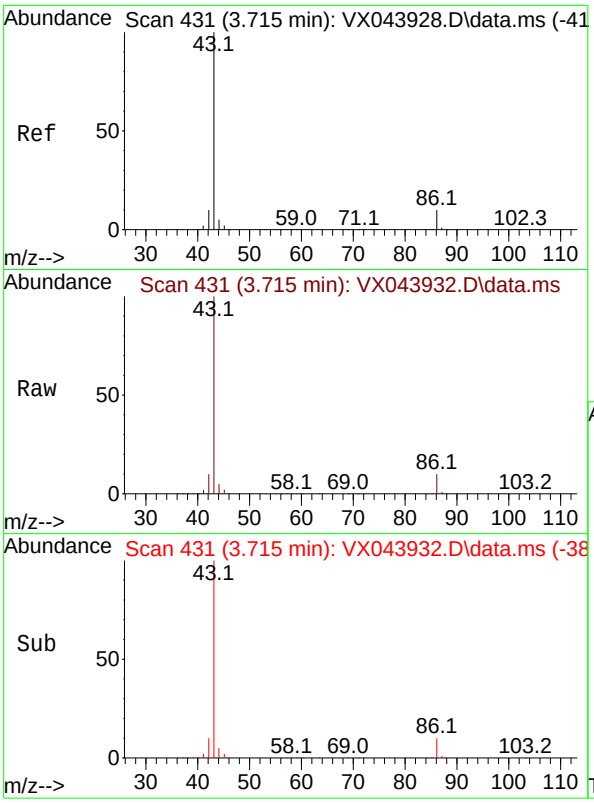


#22
Diisopropyl ether
Concen: 50.132 ug/l
RT: 3.758 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 45 Resp: 264554

Ion	Ratio	Lower	Upper
45	100		
43	78.0	59.6	89.4
87	27.4	22.9	34.3
59	11.0	9.8	14.6



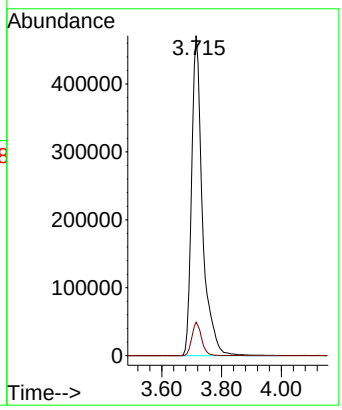


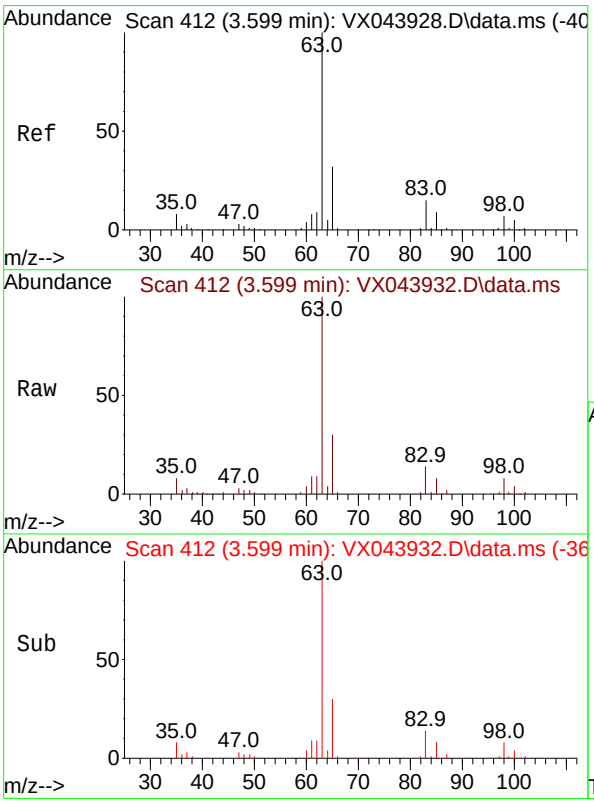
#23
Vinyl Acetate
Concen: 263.441 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 43 Resp: 1189244

Ion	Ratio	Lower	Upper
43	100		
86	10.5	8.3	12.5

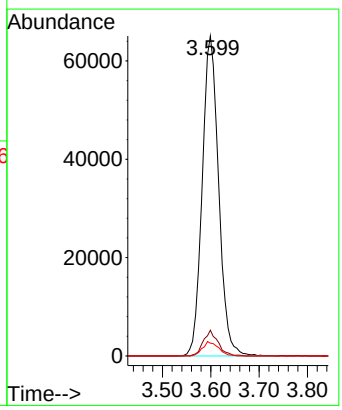


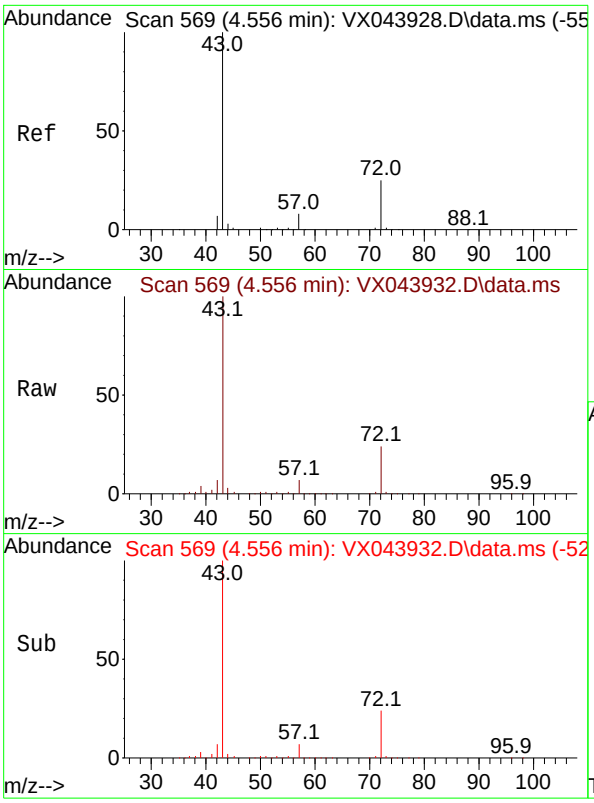


#24
1,1-Dichloroethane
Concen: 50.466 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 63 Resp: 153635

Ion	Ratio	Lower	Upper
63	100		
98	8.0	3.5	10.6
100	4.0	2.4	7.1



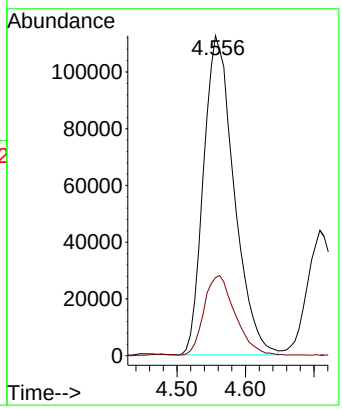


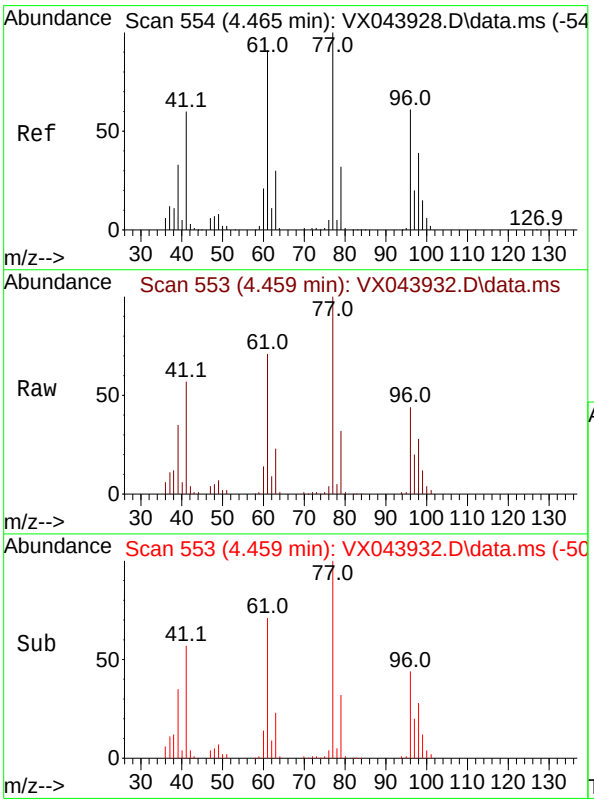
#25
2-Butanone
Concen: 261.804 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 43 Resp: 348803

Ion	Ratio	Lower	Upper
43	100		
72	24.3	20.2	30.2

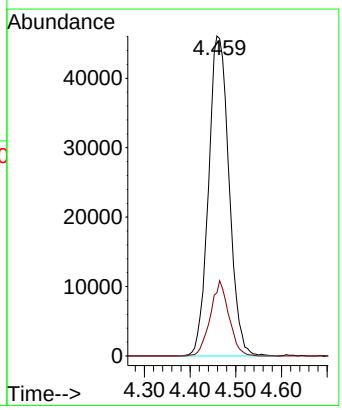


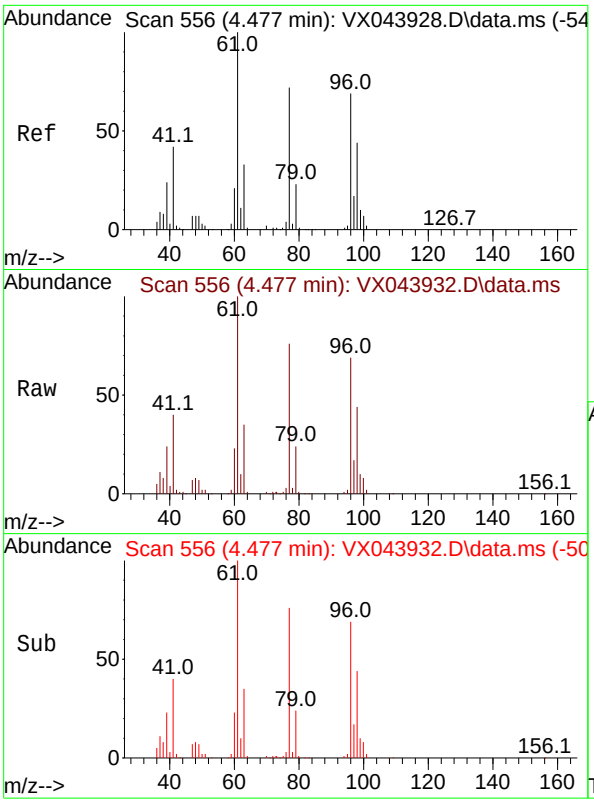


#26
2,2-Dichloropropane
Concen: 52.343 ug/l
RT: 4.459 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 77 Resp: 143910

Ion	Ratio	Lower	Upper
77	100		
97	21.3	10.8	32.3



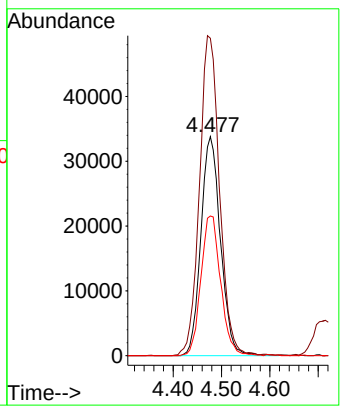


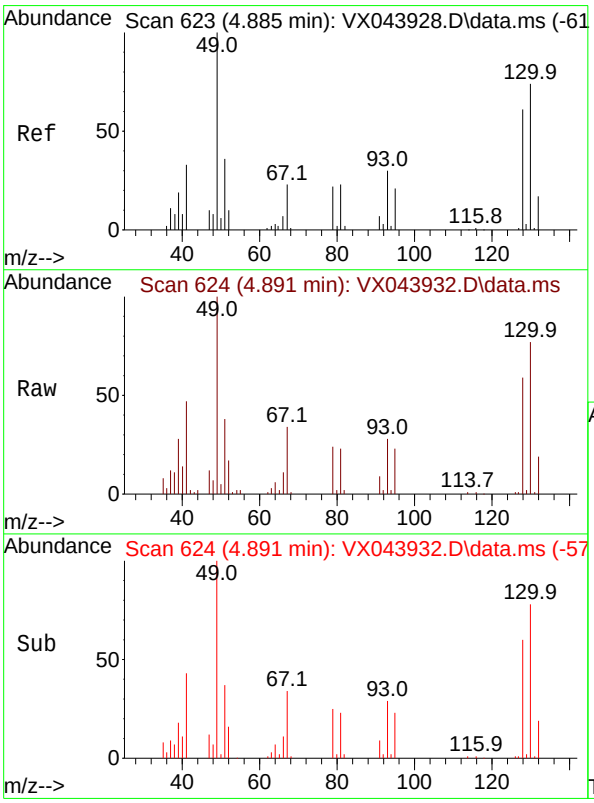
#27
cis-1,2-Dichloroethene
Concen: 49.326 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 96 Resp: 95076

Ion	Ratio	Lower	Upper
96	100		
61	149.6	0.0	297.4
98	64.3	0.0	127.8

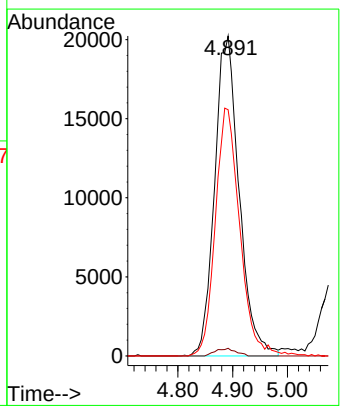


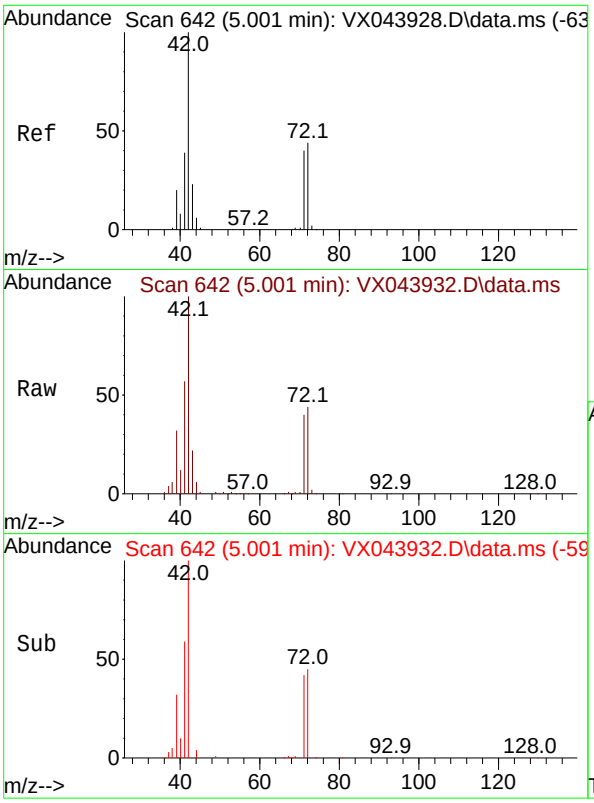


#28
Bromochloromethane
Concen: 46.920 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 49 Resp: 62874

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	77.3	59.0	88.6



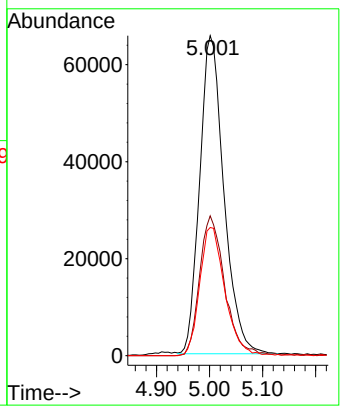


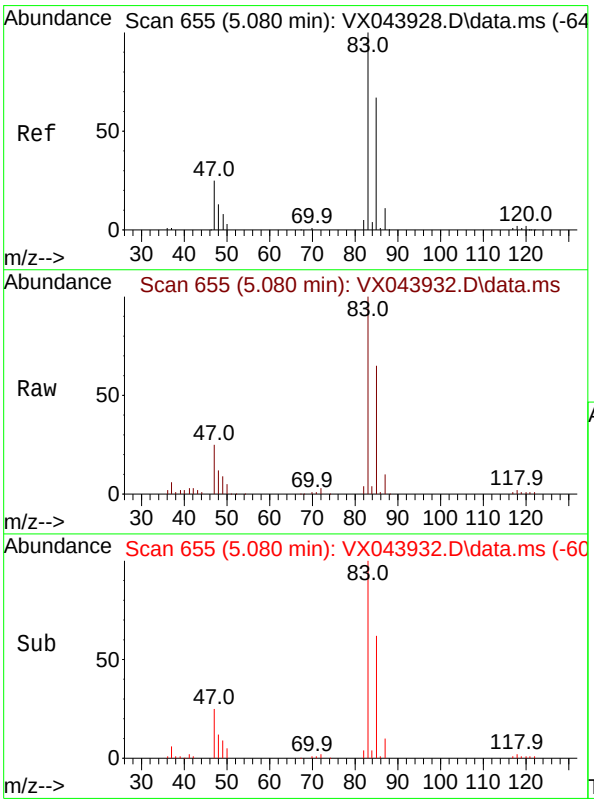
#29
Tetrahydrofuran
Concen: 254.585 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 42 Resp: 207942

Ion	Ratio	Lower	Upper
42	100		
72	45.6	36.4	54.6
71	42.0	33.4	50.0

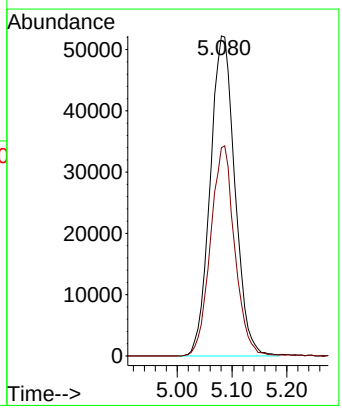


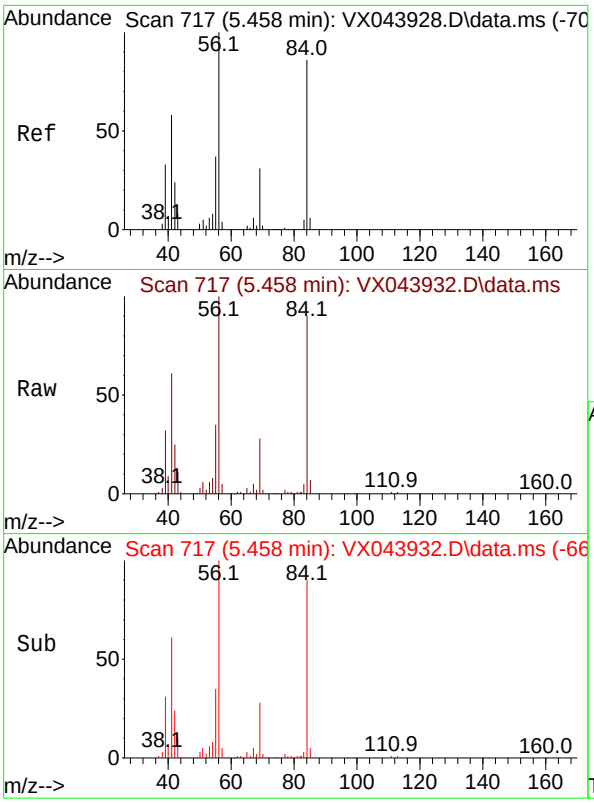


#30
Chloroform
Concen: 49.891 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 83 Resp: 163357

Ion	Ratio	Lower	Upper
83	100		
85	65.1	53.5	80.3



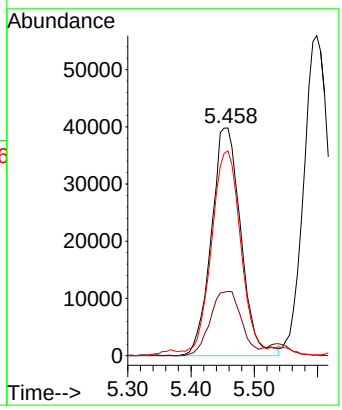


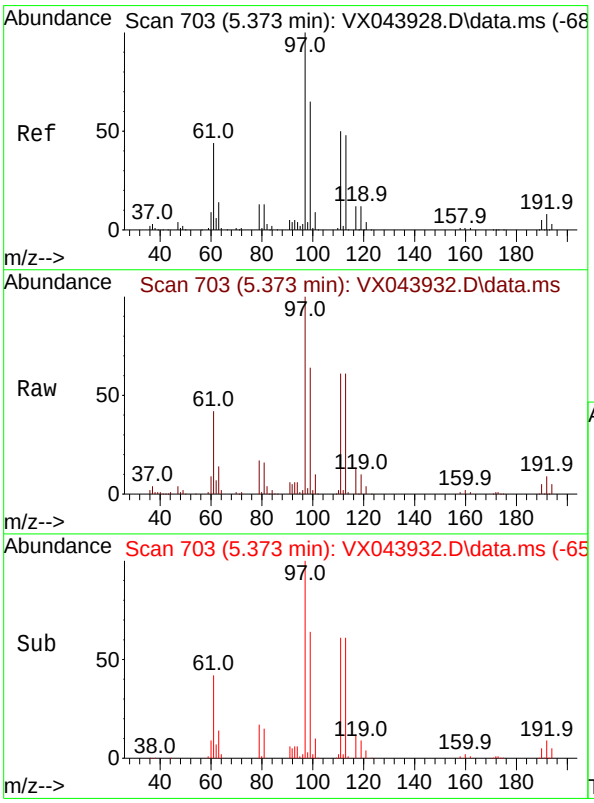
#31
Cyclohexane
Concen: 51.278 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 56 Resp: 128482

Ion	Ratio	Lower	Upper
56	100		
69	28.2	24.7	37.1
84	88.1	68.7	103.1

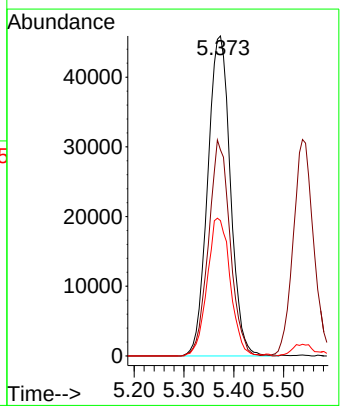


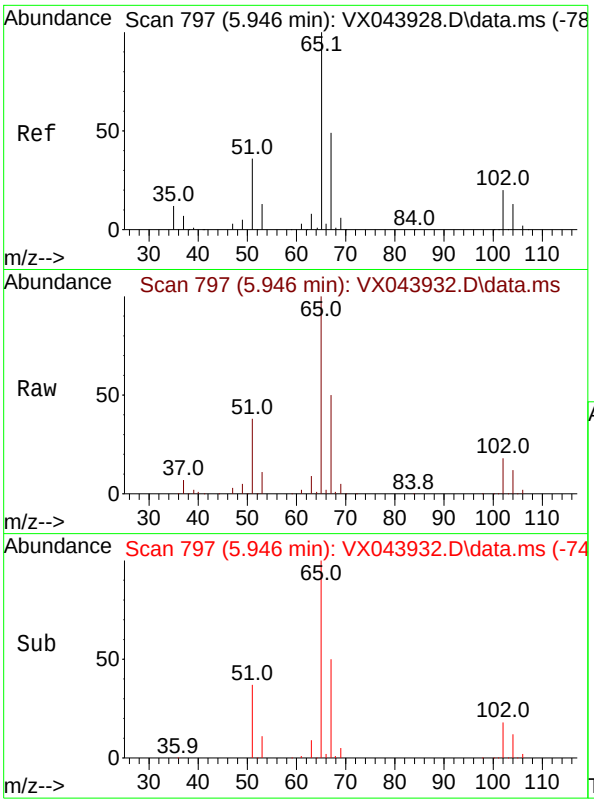


#32
1,1,1-Trichloroethane
Concen: 51.320 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 97 Resp: 144908

Ion	Ratio	Lower	Upper
97	100		
99	64.3	50.8	76.2
61	43.8	35.4	53.2



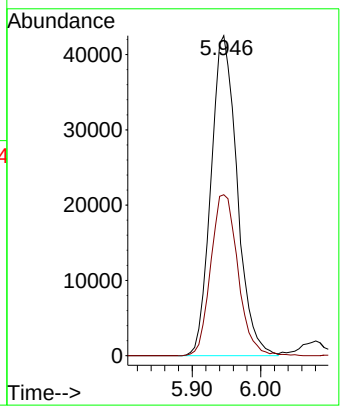


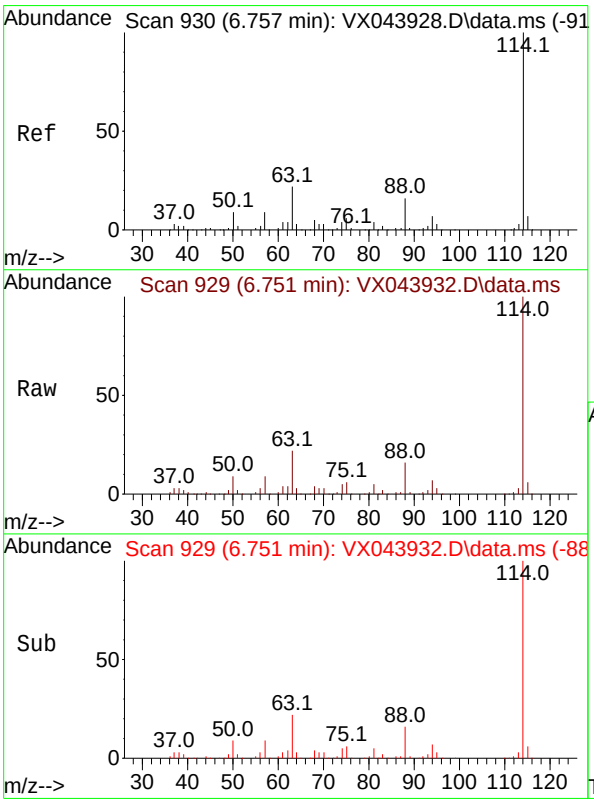
#33
1,2-Dichloroethane-d4
Concen: 50.183 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 65 Resp: 112818

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	100.8

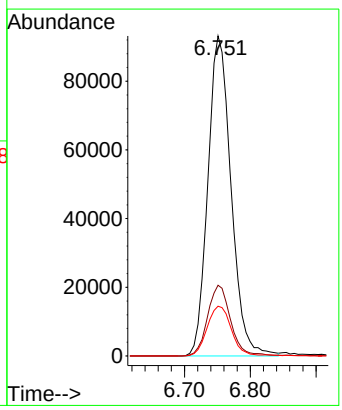


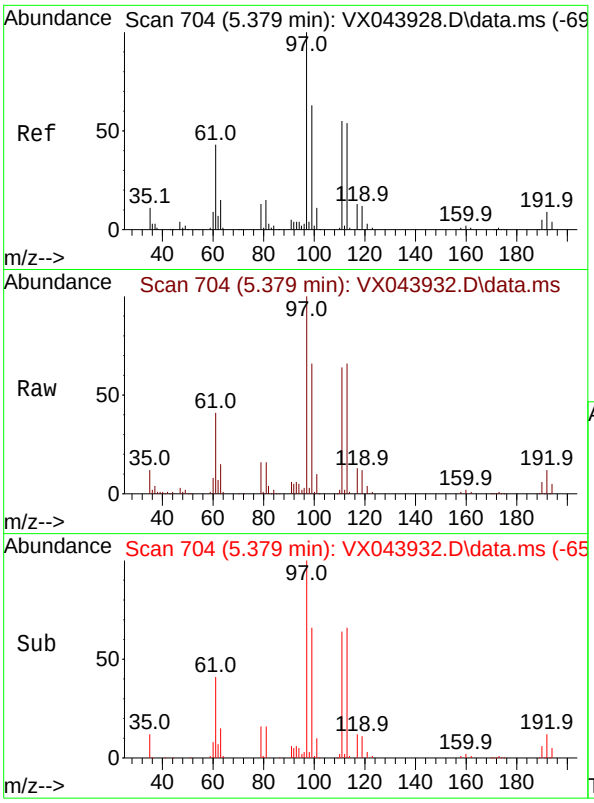


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:114 Resp: 229009

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	44.0
88	15.6	0.0	32.4



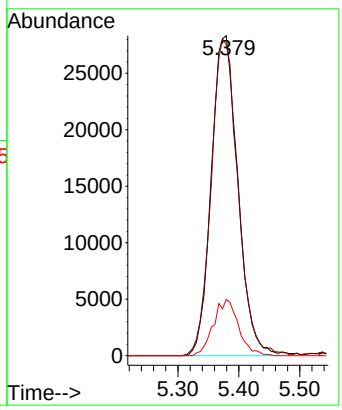


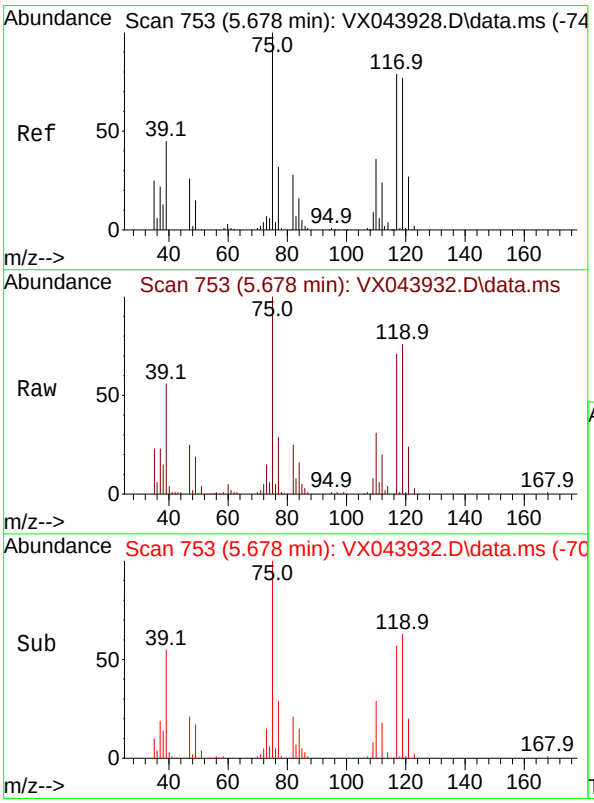
#35
Dibromofluoromethane
Concen: 52.442 ug/l
RT: 5.379 min Scan# 7(
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion:113 Resp: 85815

Ion	Ratio	Lower	Upper
113	100		
111	99.9	81.0	121.4
192	16.6	13.0	19.6

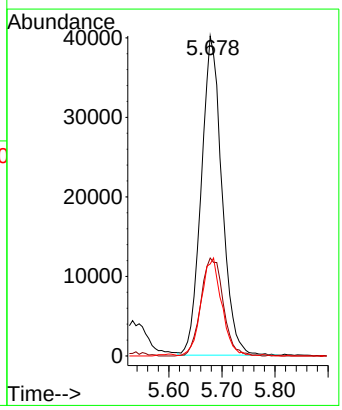


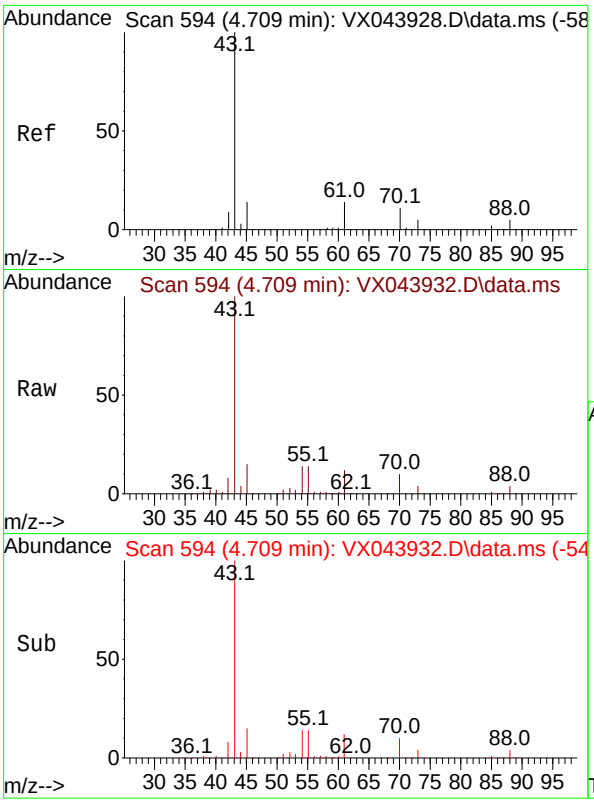


#36
1,1-Dichloropropene
Concen: 53.218 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 75 Resp: 108518

Ion	Ratio	Lower	Upper
75	100		
110	33.4	17.4	52.2
77	30.3	25.8	38.8



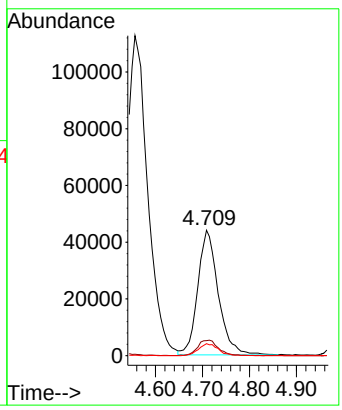


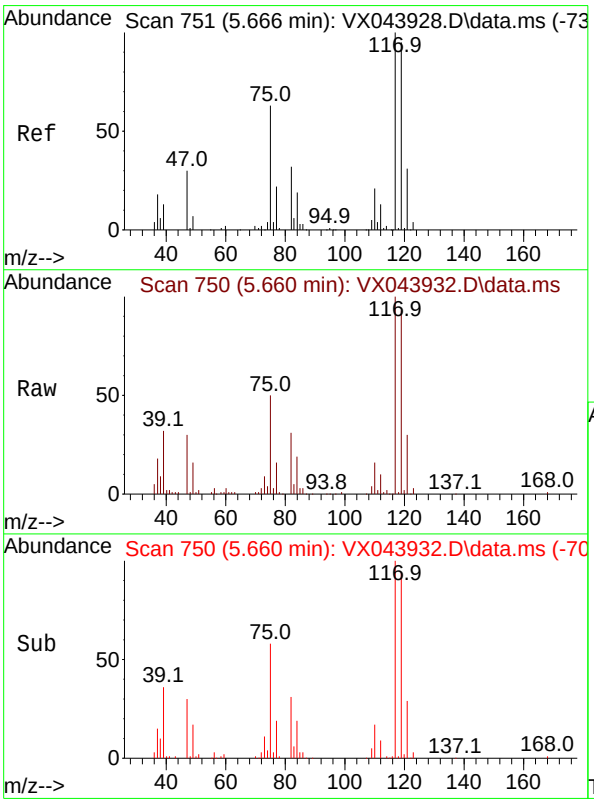
#37
Ethyl Acetate
Concen: 52.656 ug/l
RT: 4.709 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 43 Resp: 133283

Ion	Ratio	Lower	Upper
43	100		
61	12.2	10.7	16.1
70	9.3	8.0	12.0

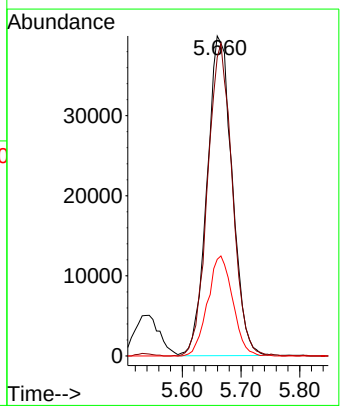


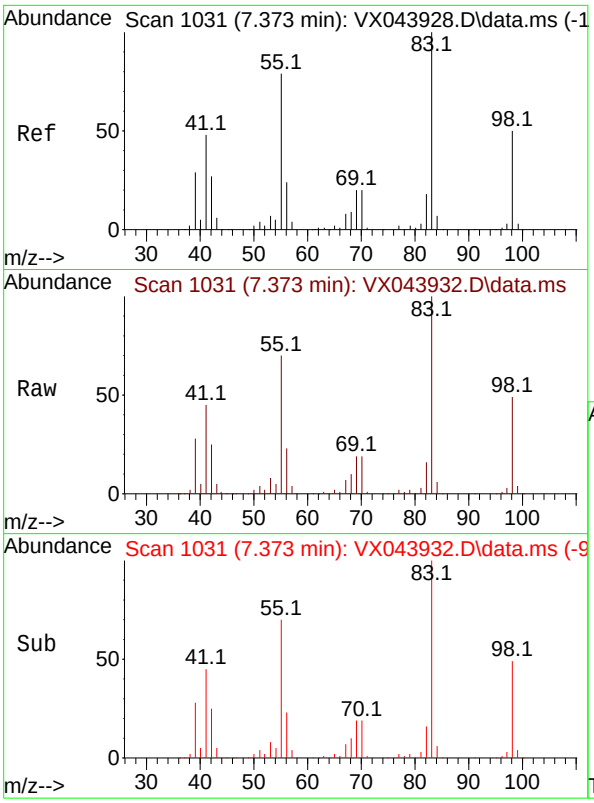


#38
Carbon Tetrachloride
Concen: 51.786 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:117 Resp: 118655

Ion	Ratio	Lower	Upper
117	100		
119	93.5	75.2	112.8
121	30.3	24.5	36.7



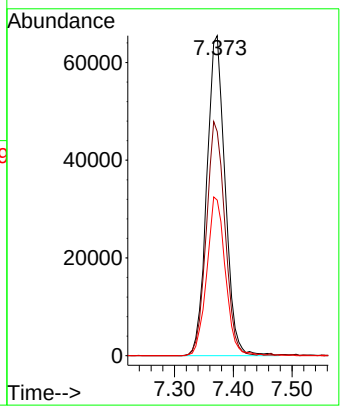


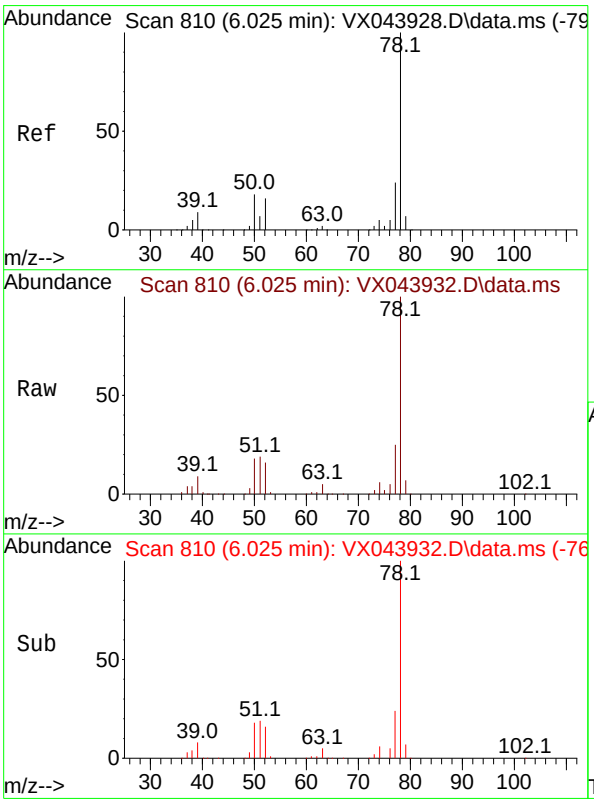
#39
Methylcyclohexane
Concen: 53.489 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 83 Resp: 141696

Ion	Ratio	Lower	Upper
83	100		
55	70.0	63.1	94.7
98	48.6	40.0	60.0

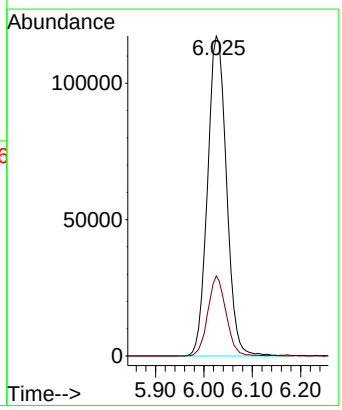


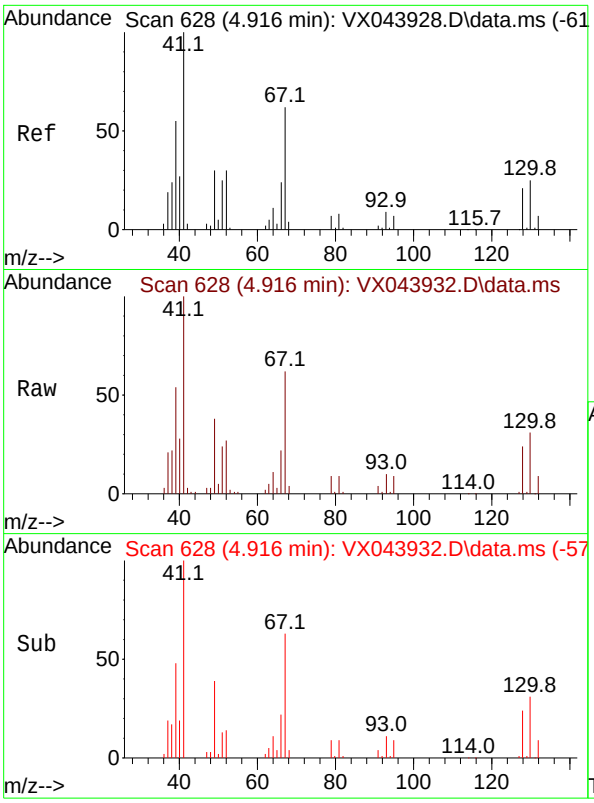


#40
Benzene
Concen: 50.257 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 78 Resp: 319222

Ion	Ratio	Lower	Upper
78	100		
77	25.0	19.2	28.8



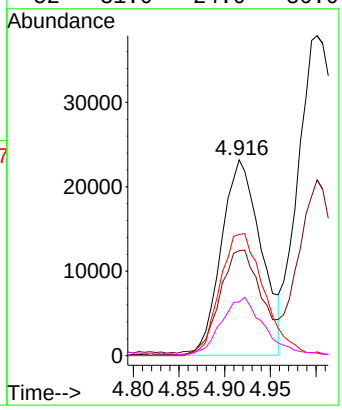


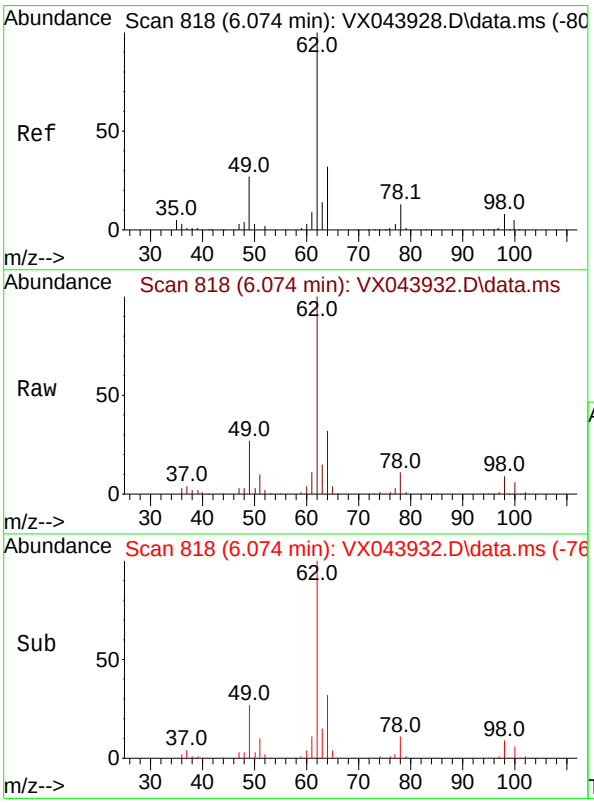
#41
Methacrylonitrile
Concen: 53.851 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 41 Resp: 69766

Ion	Ratio	Lower	Upper
41	100		
39	53.2	41.7	62.5
67	70.1	55.8	83.8
52	31.0	24.0	36.0

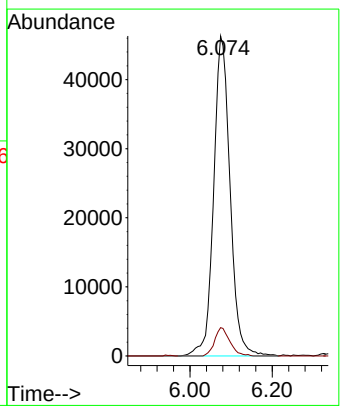


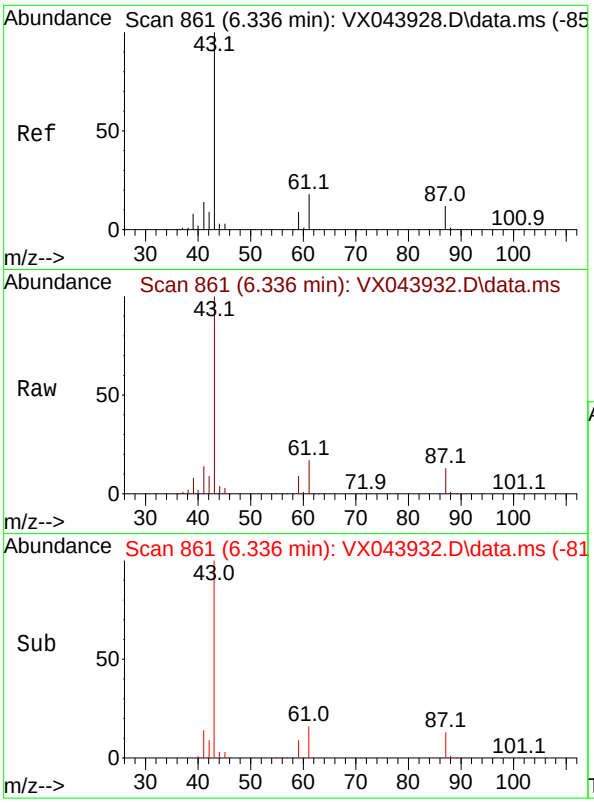


#42
1,2-Dichloroethane
Concen: 50.421 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 62 Resp: 128623

Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.4



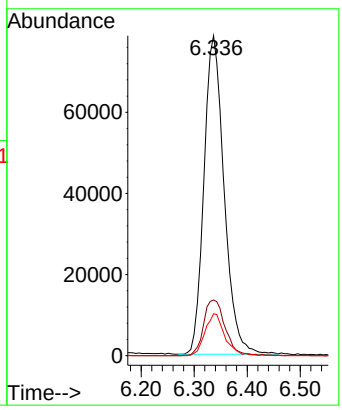


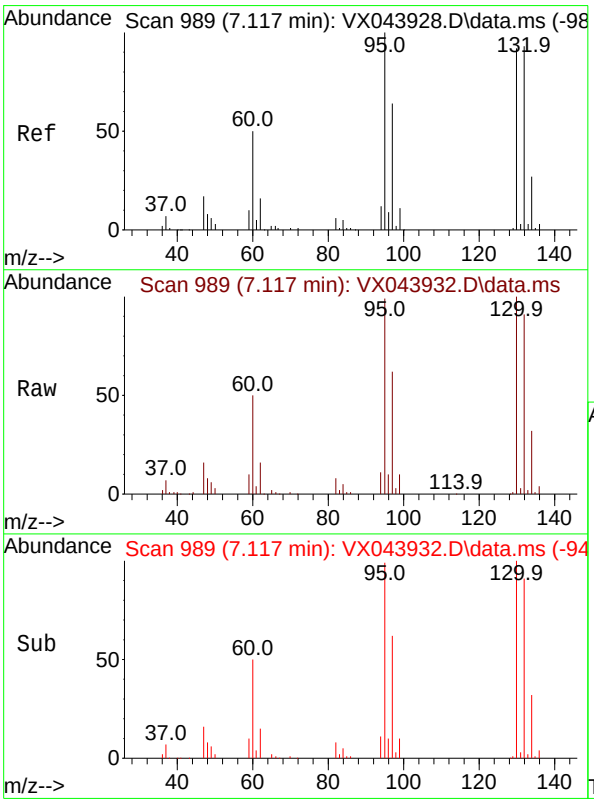
#43
Isopropyl Acetate
Concen: 51.469 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 43 Resp: 207332

Ion	Ratio	Lower	Upper
43	100		
61	18.6	14.5	21.7
87	12.9	10.2	15.2

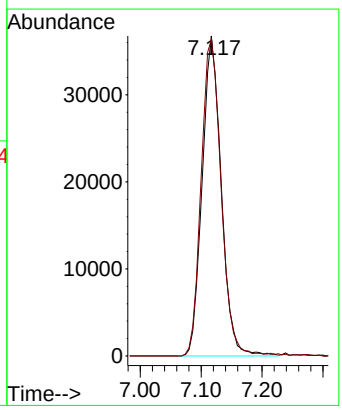


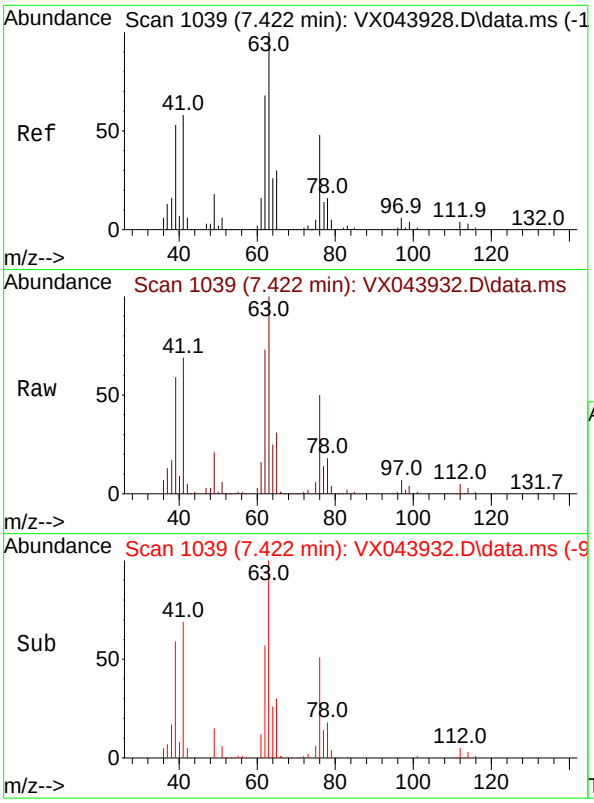


#44
Trichloroethene
Concen: 44.554 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:130 Resp: 80113

Ion	Ratio	Lower	Upper
130	100		
95	98.9	0.0	217.8



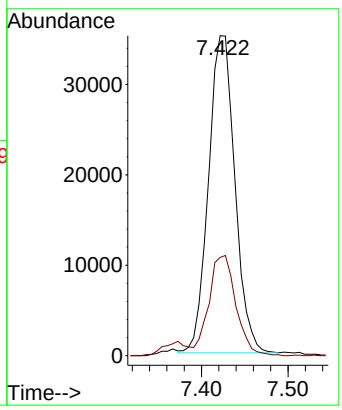


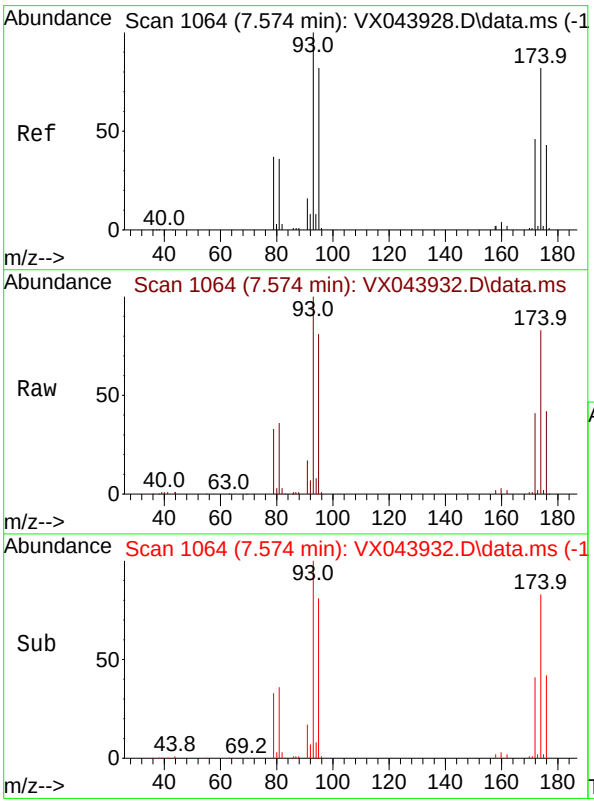
#45
1,2-Dichloropropane
Concen: 47.811 ug/l
RT: 7.422 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 63 Resp: 74380

Ion	Ratio	Lower	Upper
63	100		
65	30.7	23.8	35.6

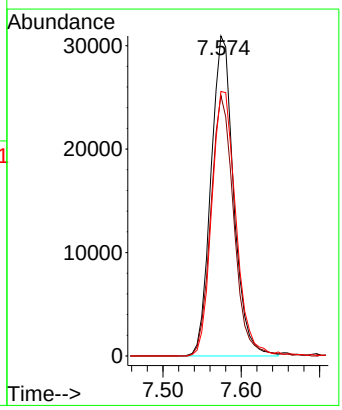


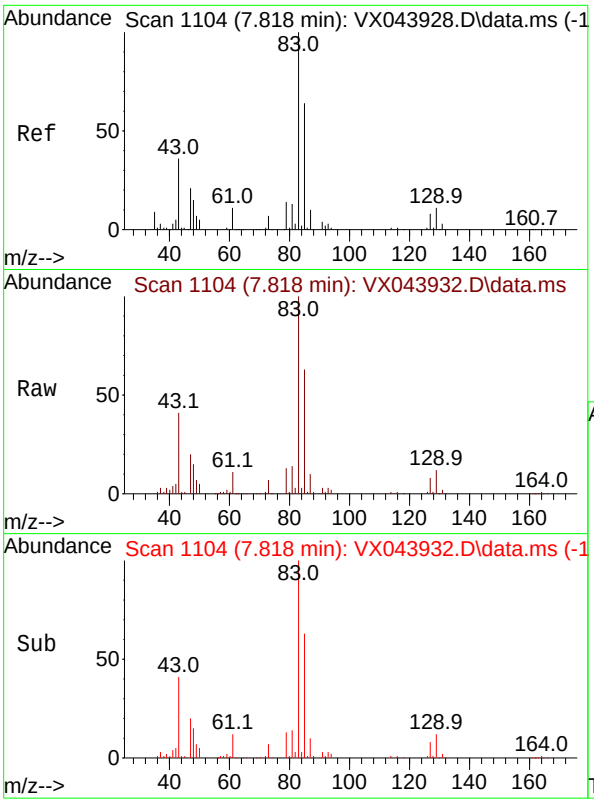


#46
Dibromomethane
Concen: 50.662 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 93 Resp: 62345

Ion	Ratio	Lower	Upper
93	100		
95	82.5	66.2	99.4
174	88.2	69.6	104.4



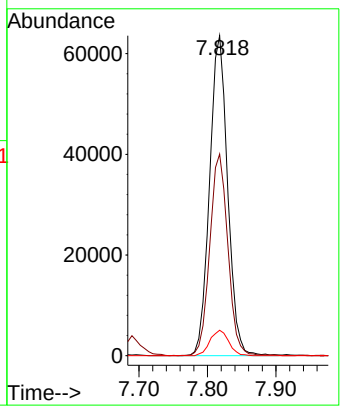


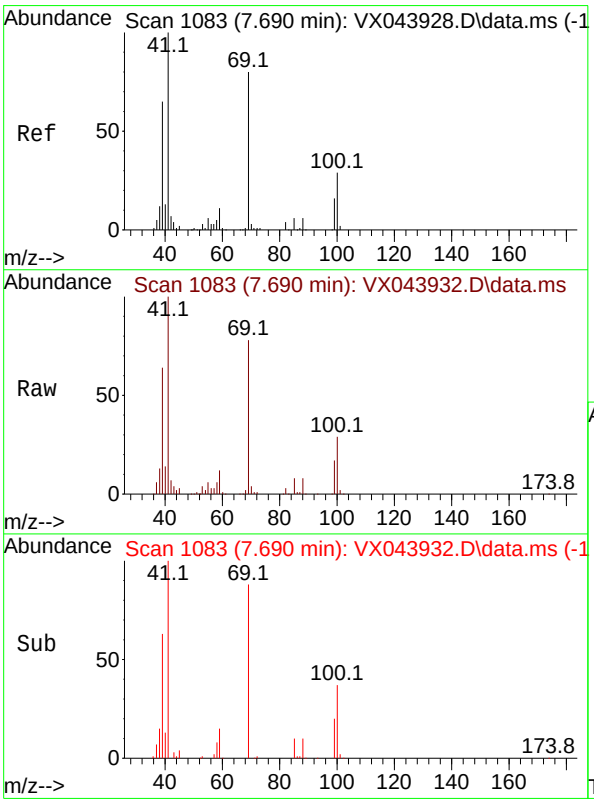
#47
Bromodichloromethane
Concen: 52.648 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 83 Resp: 116199

Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.4	77.0
127	8.0	6.6	10.0

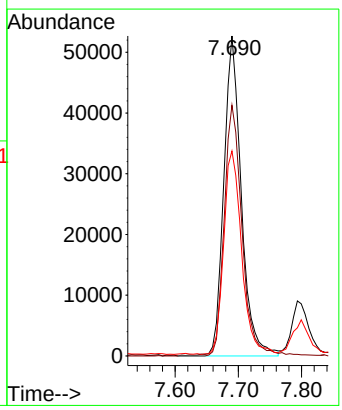


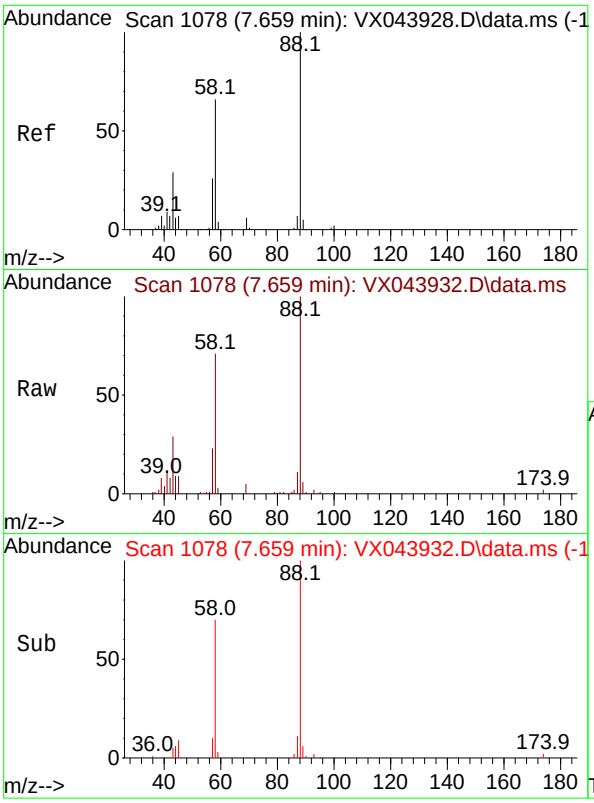


#48
Methyl methacrylate
Concen: 52.284 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 41 Resp: 101062

Ion	Ratio	Lower	Upper
41	100		
69	80.0	64.6	97.0
39	65.2	53.3	79.9



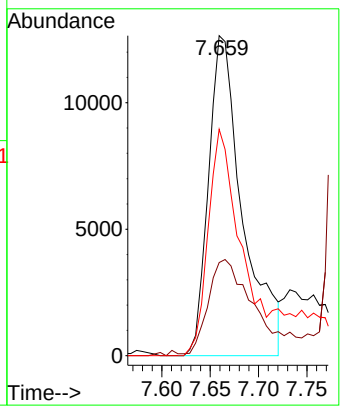


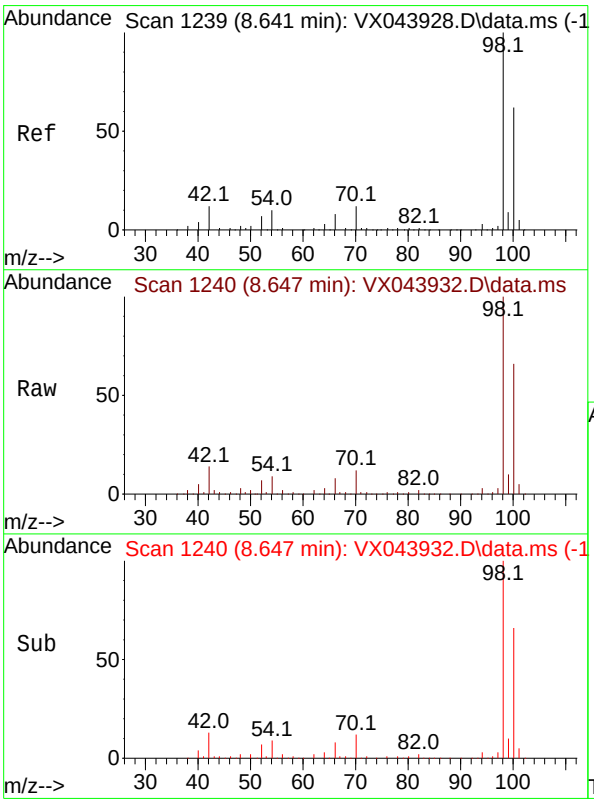
#49
1,4-Dioxane
Concen: 905.506 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 88 Resp: 31178

Ion	Ratio	Lower	Upper
88	100		
43	39.9	26.8	40.2
58	68.3	45.4	68.2#

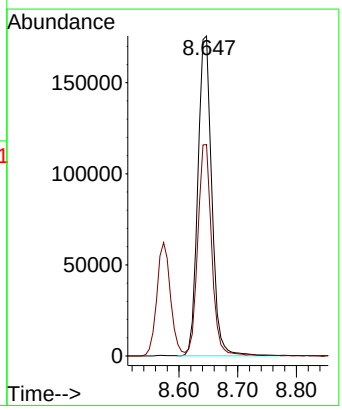


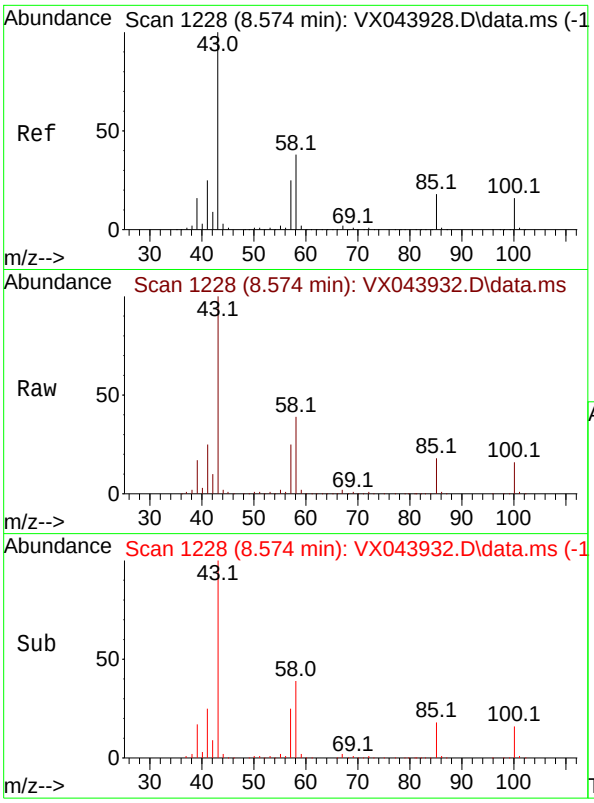


#50
Toluene-d8
Concen: 51.234 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 98 Resp: 289000

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.6	79.0



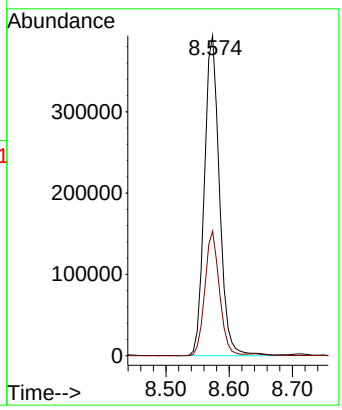


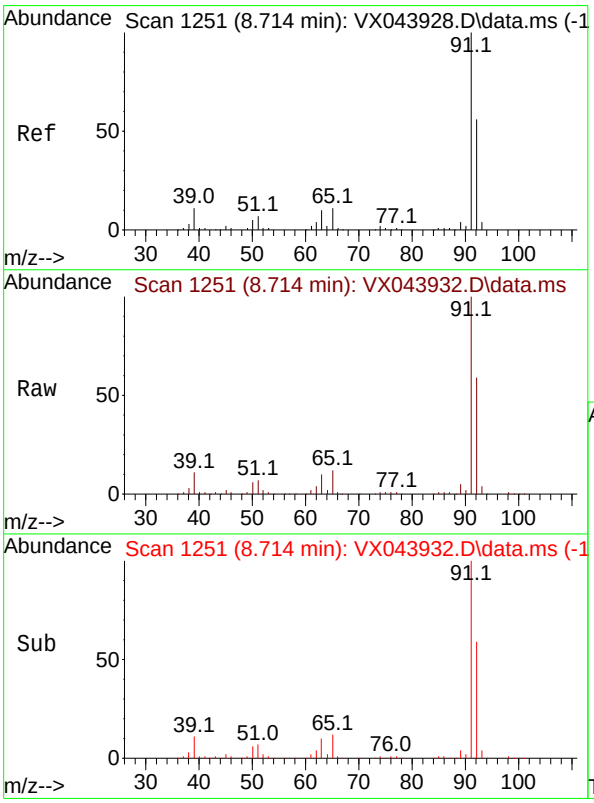
#51
4-Methyl-2-Pentanone
Concen: 265.520 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 43 Resp: 652721

Ion	Ratio	Lower	Upper
43	100		
58	37.6	30.0	45.0

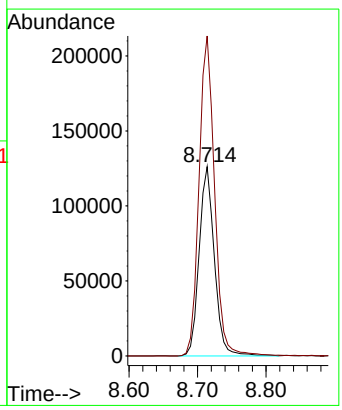


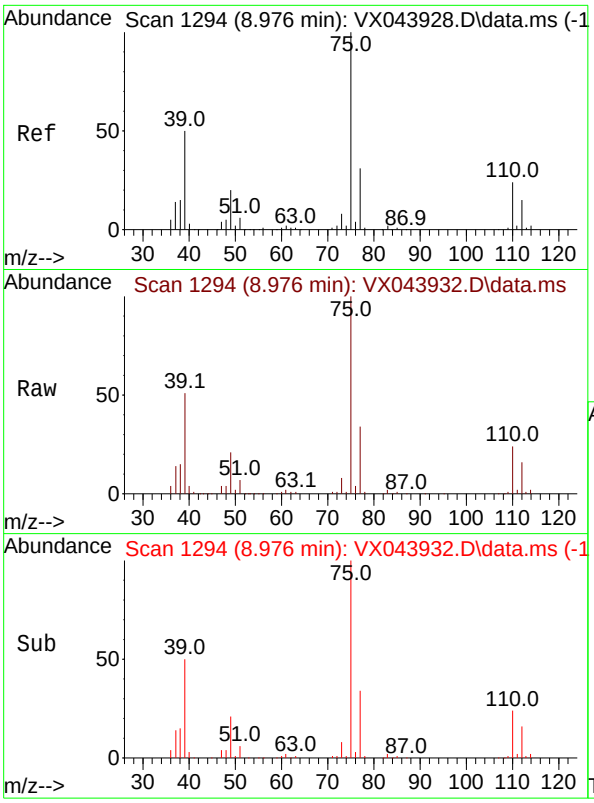


#52
Toluene
Concen: 51.507 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 92 Resp: 195814

Ion	Ratio	Lower	Upper
92	100		
91	172.4	139.7	209.5



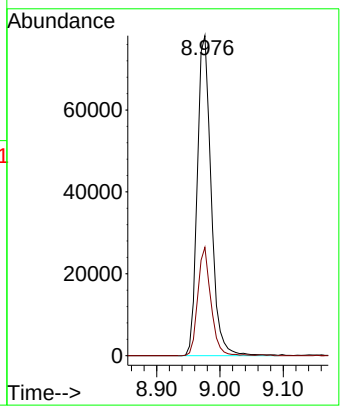


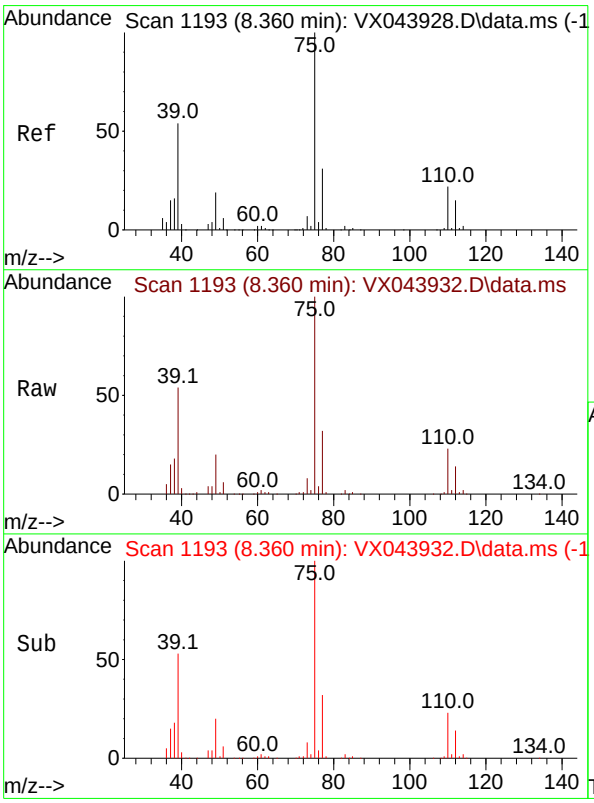
#53
t-1,3-Dichloropropene
Concen: 53.077 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 75 Resp: 119461

Ion	Ratio	Lower	Upper
75	100		
77	33.9	25.1	37.7

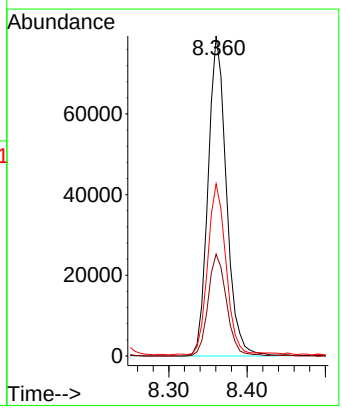


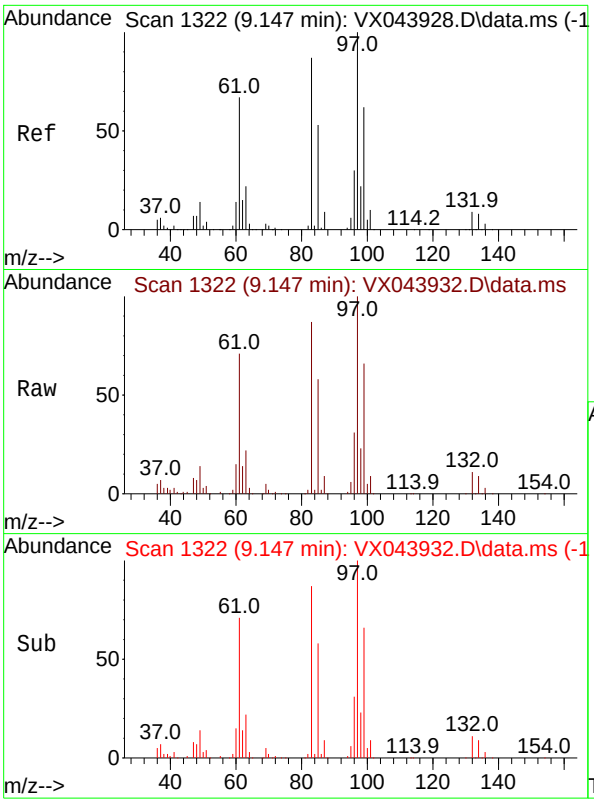


#54
cis-1,3-Dichloropropene
Concen: 52.205 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 75 Resp: 128808

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.2	37.8
39	53.2	43.1	64.7



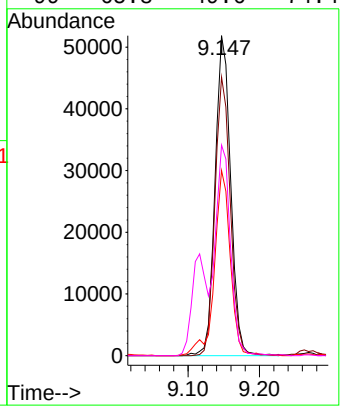


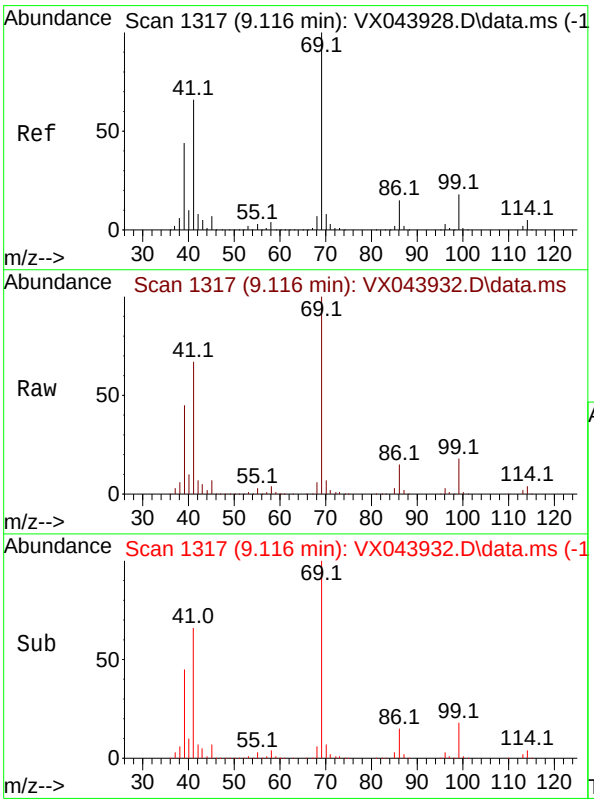
#55
1,1,2-Trichloroethane
Concen: 50.069 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 97 Resp: 78575

Ion	Ratio	Lower	Upper
97	100		
83	87.0	69.4	104.0
85	57.7	42.3	63.5
99	65.8	49.6	74.4

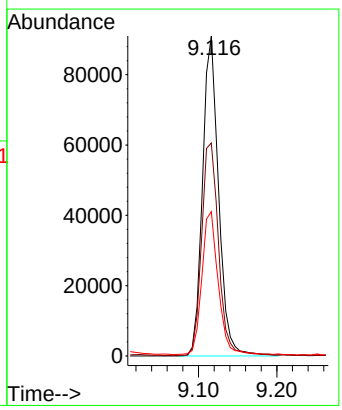


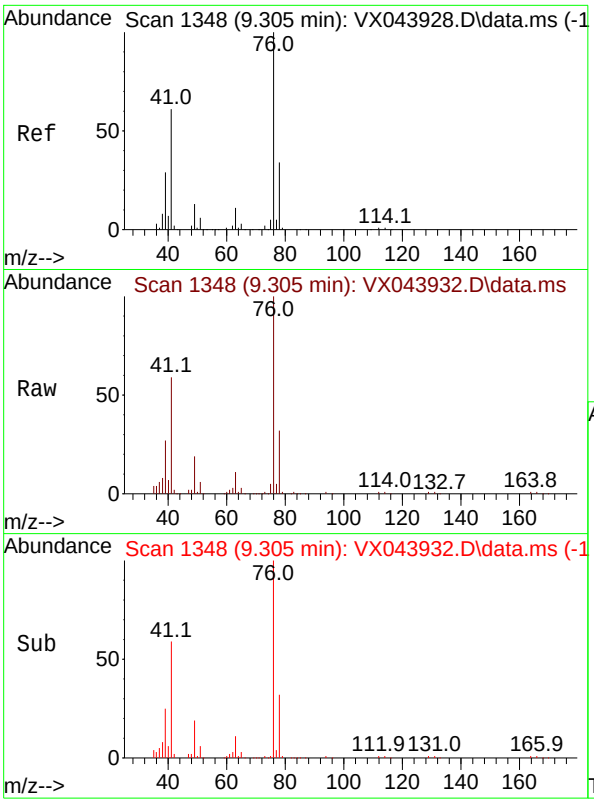


#56
Ethyl methacrylate
Concen: 53.118 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 69 Resp: 129841

Ion	Ratio	Lower	Upper
69	100		
41	69.8	55.8	83.8
39	46.1	36.7	55.1



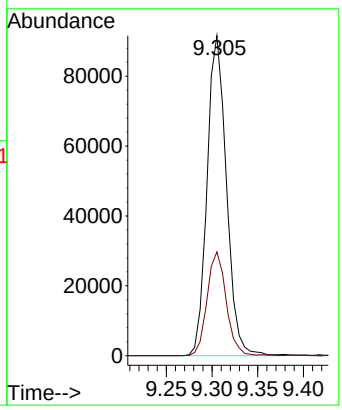


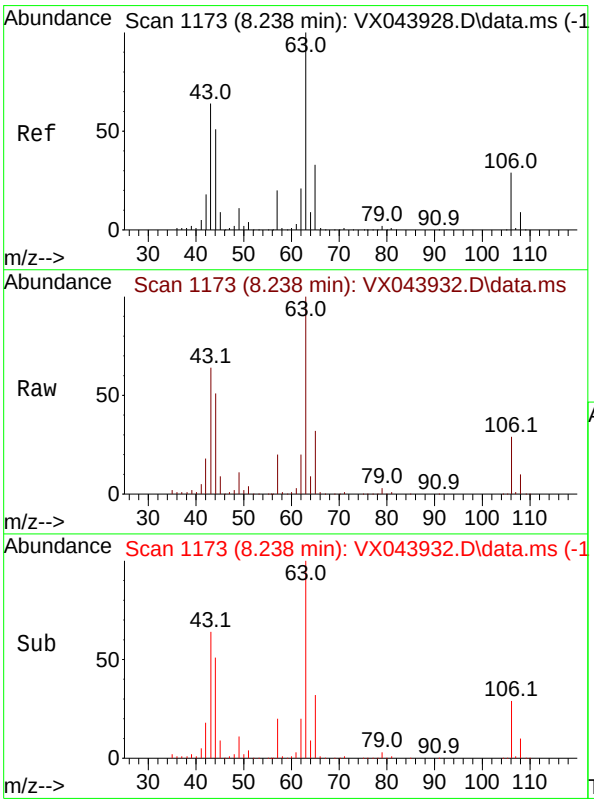
#57
1,3-Dichloropropane
Concen: 50.945 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 76 Resp: 134680

Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.0	39.0

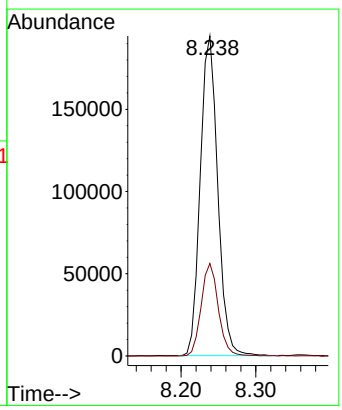


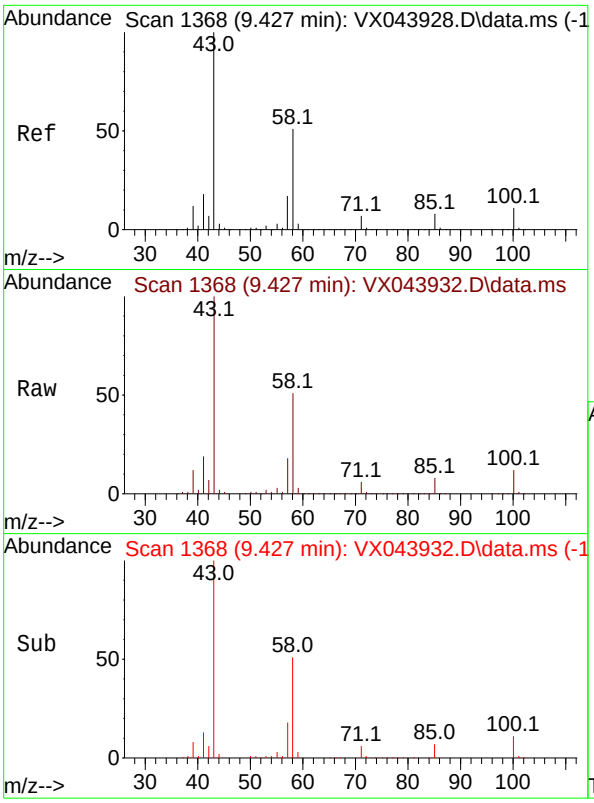


#58
2-Chloroethyl Vinyl ether
Concen: 235.230 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 63 Resp: 315358

Ion	Ratio	Lower	Upper
63	100		
106	28.4	23.0	34.6



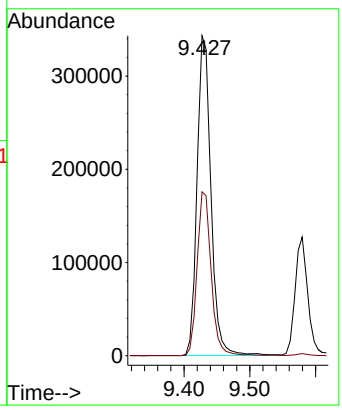


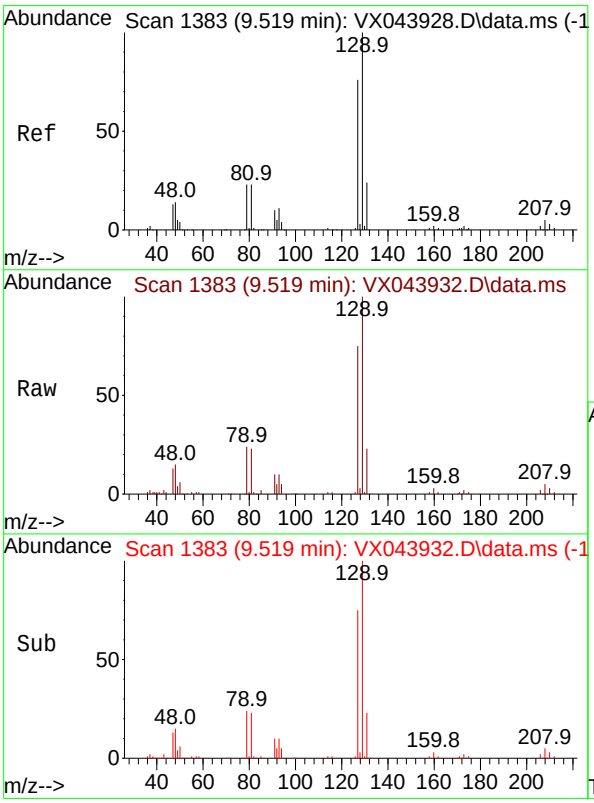
#59
2-Hexanone
Concen: 273.011 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 43 Resp: 504444

Ion	Ratio	Lower	Upper
43	100		
58	51.8	25.9	77.6

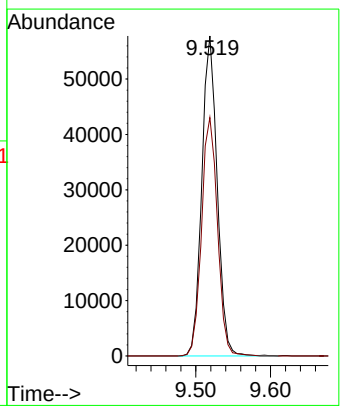


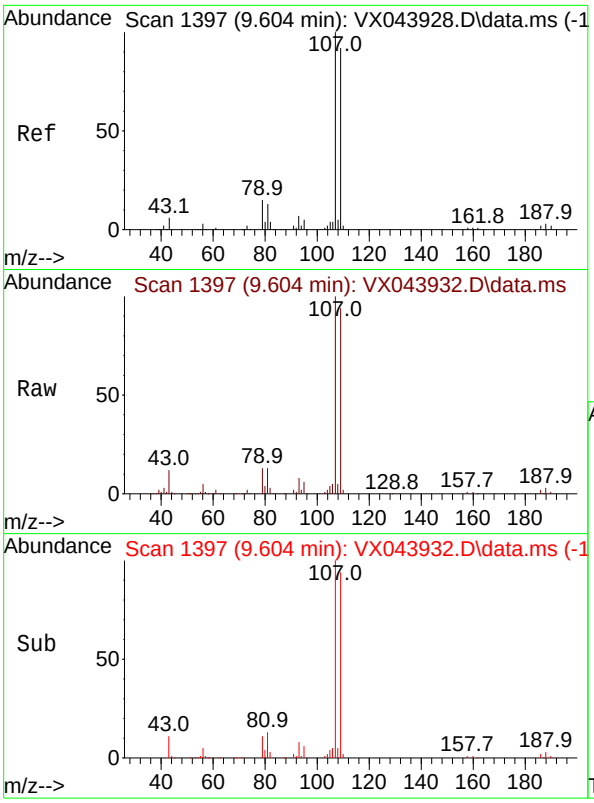


#60
Dibromochloromethane
Concen: 52.557 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:129 Resp: 82754

Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.2	114.6



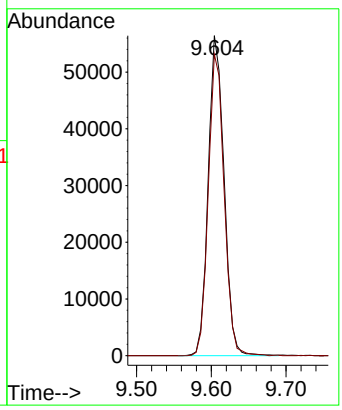


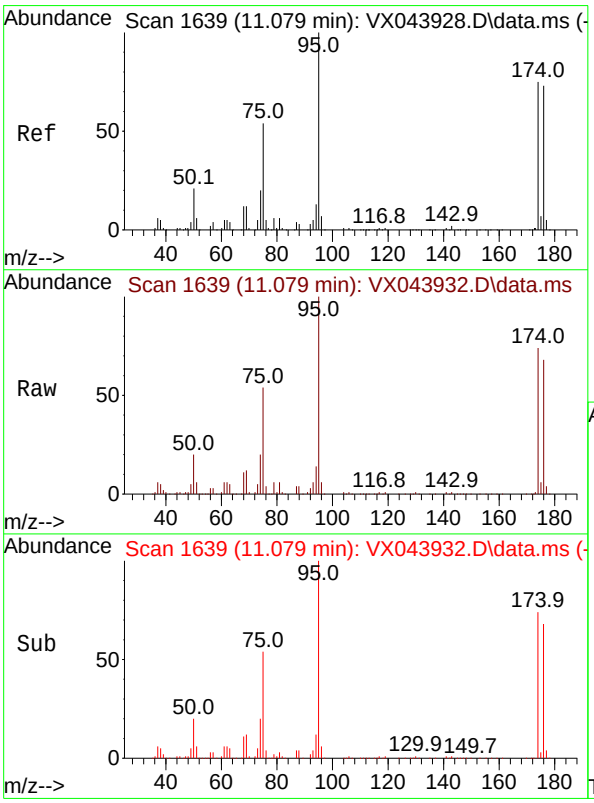
#61
1,2-Dibromoethane
Concen: 52.367 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion:107 Resp: 83098

Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.2	112.8

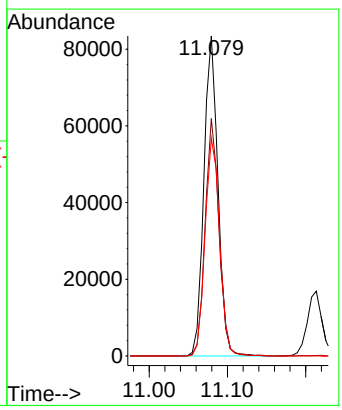


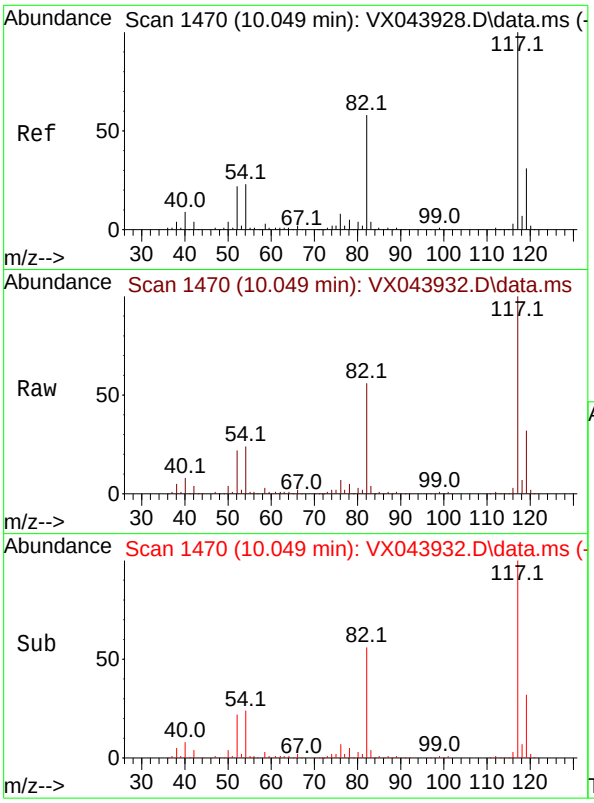


#62
4-Bromofluorobenzene
Concen: 53.987 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 95 Resp: 103640

Ion	Ratio	Lower	Upper
95	100		
174	73.0	0.0	150.4
176	70.5	0.0	146.0



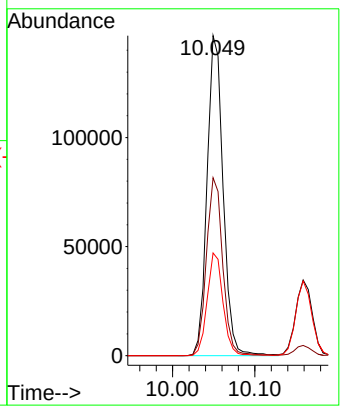


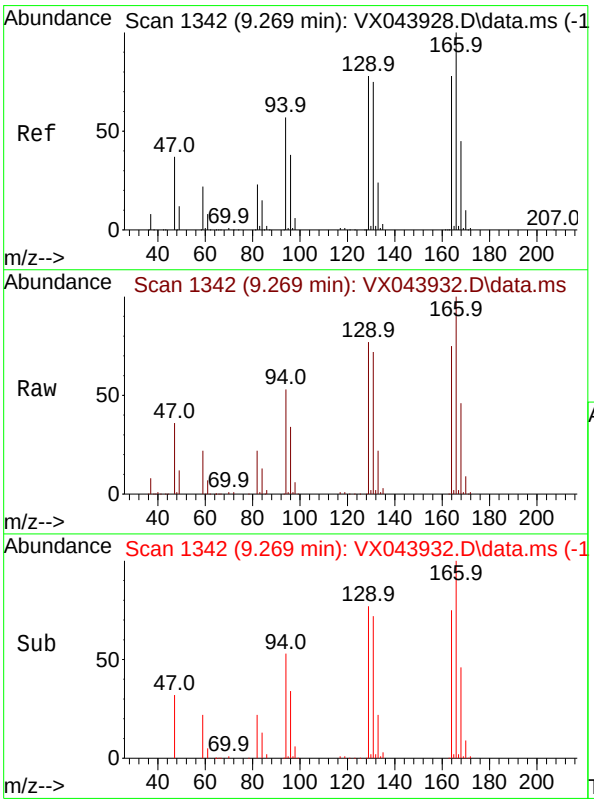
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion:117 Resp: 198776

Ion	Ratio	Lower	Upper
117	100		
82	55.6	46.4	69.6
119	32.1	24.6	37.0

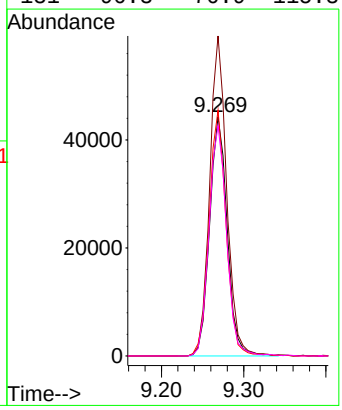


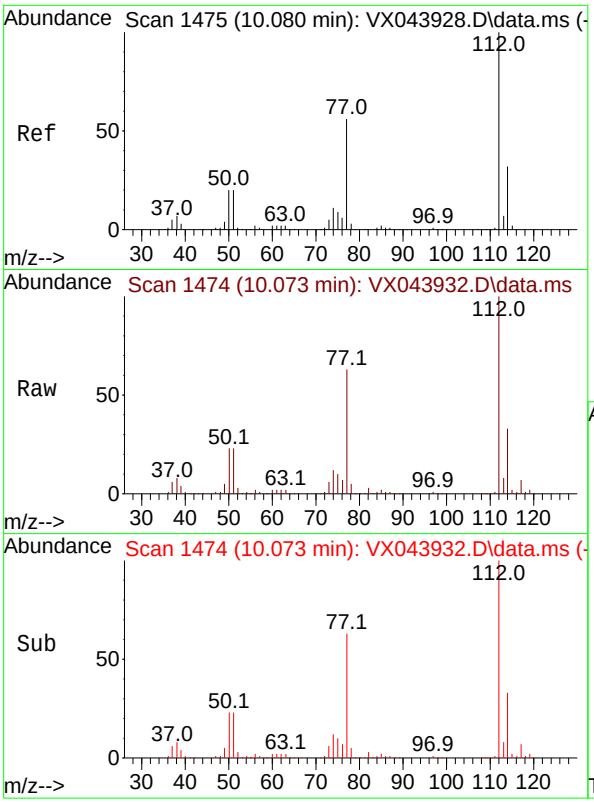


#64
Tetrachloroethene
Concen: 50.396 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:164 Resp: 66054

Ion	Ratio	Lower	Upper
164	100		
166	133.9	102.1	153.1
129	102.7	79.6	119.4
131	96.3	76.9	115.3



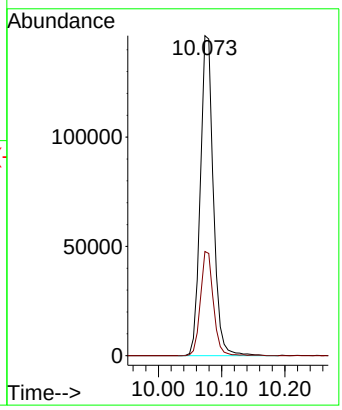


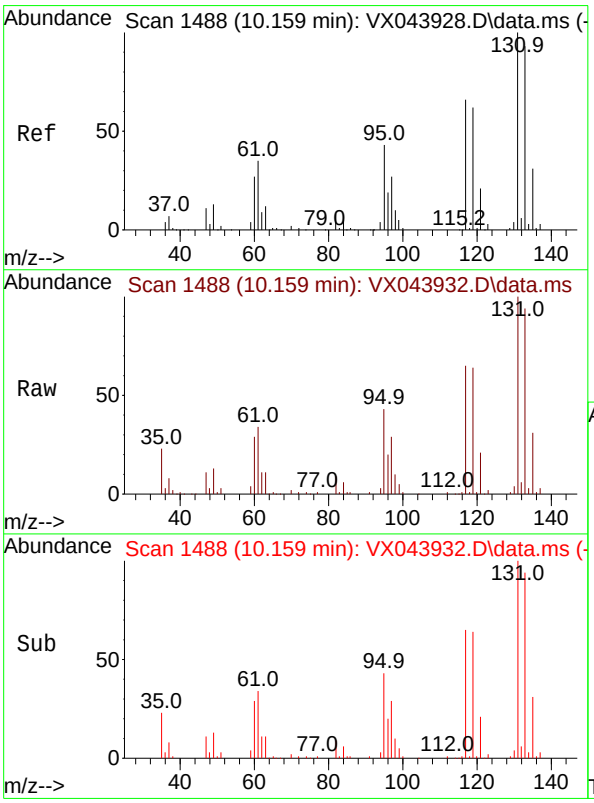
#65
Chlorobenzene
Concen: 48.094 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion:112 Resp: 209963

Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.4	38.0

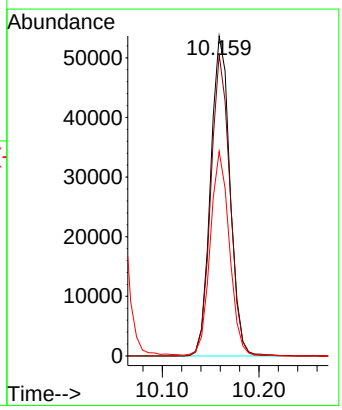


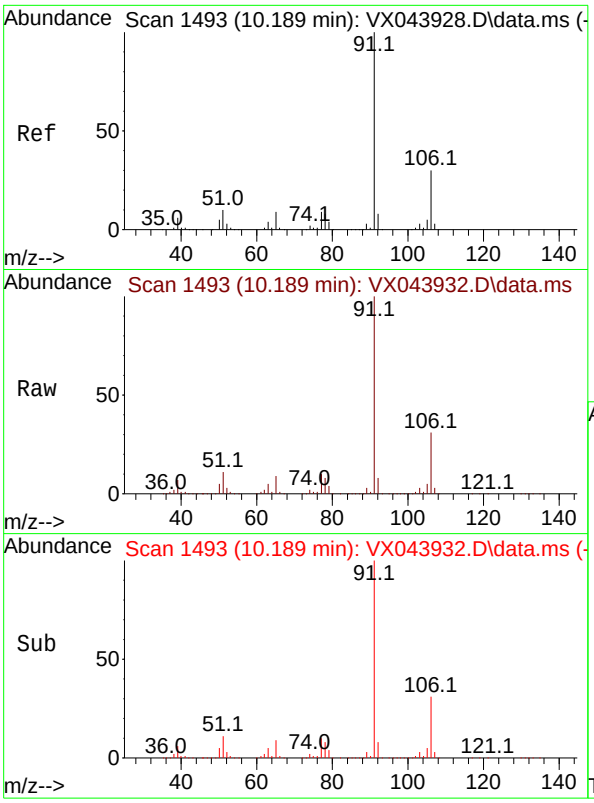


#66
1,1,1,2-Tetrachloroethane
Concen: 52.515 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:131 Resp: 74354

Ion	Ratio	Lower	Upper
131	100		
133	92.9	48.2	144.6
119	63.5	31.5	94.5



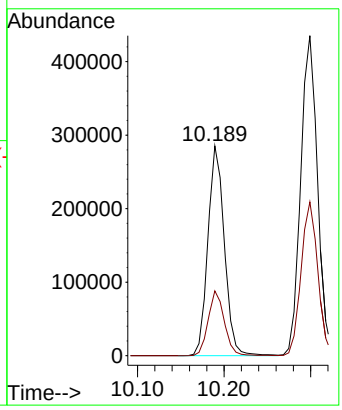


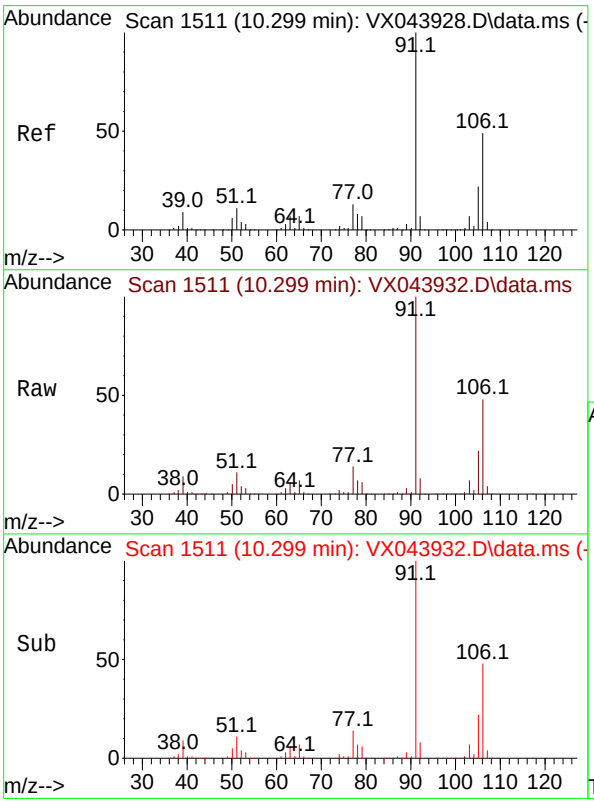
#67
Ethyl Benzene
Concen: 50.991 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 91 Resp: 377215

Ion	Ratio	Lower	Upper
91	100		
106	30.9	23.6	35.4

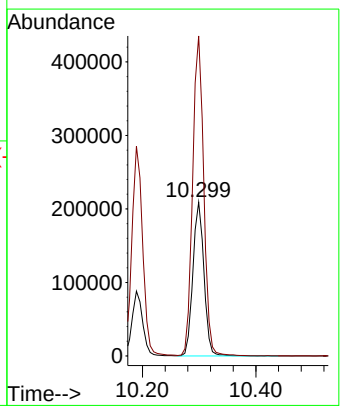


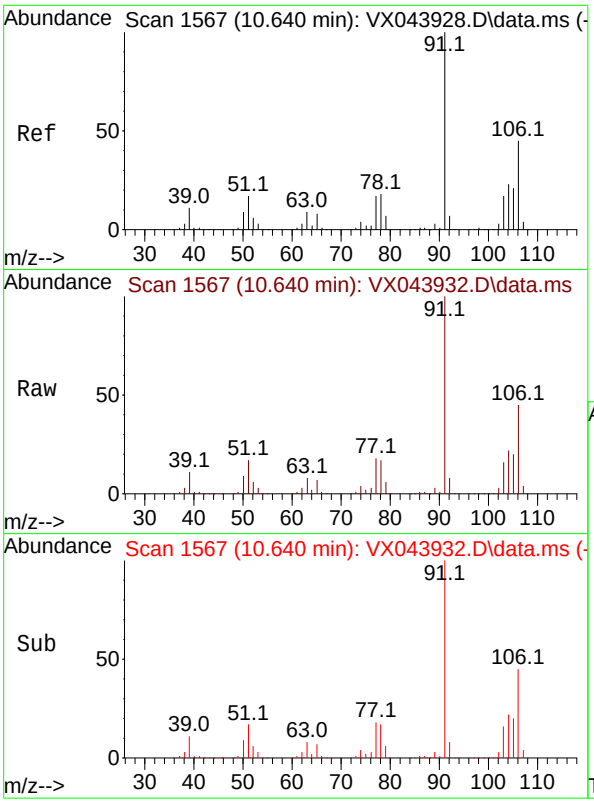


#68
m/p-Xylenes
Concen: 102.572 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:106 Resp: 282971

Ion	Ratio	Lower	Upper
106	100		
91	208.6	168.1	252.1



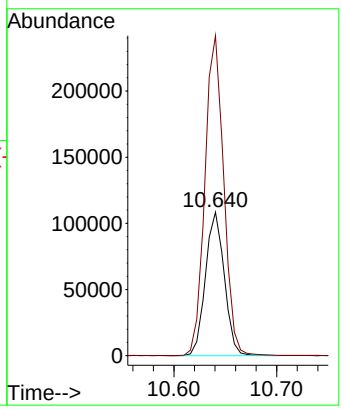


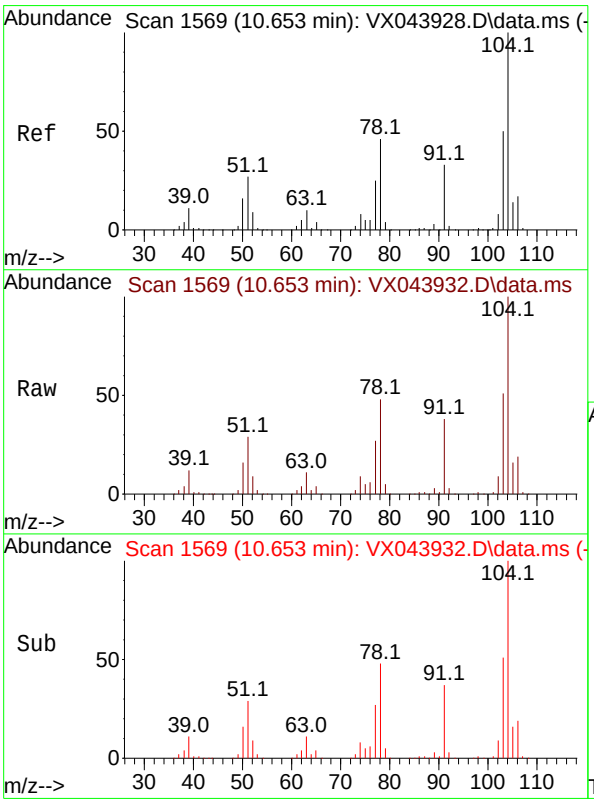
#69
o-Xylene
Concen: 51.396 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion:106 Resp: 138437

Ion	Ratio	Lower	Upper
106	100		
91	223.5	110.2	330.6

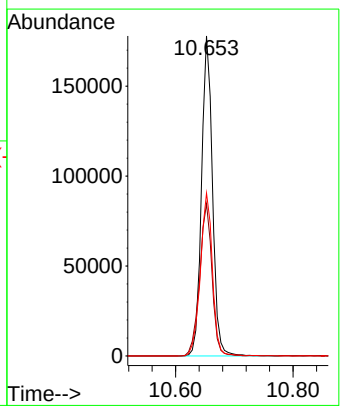


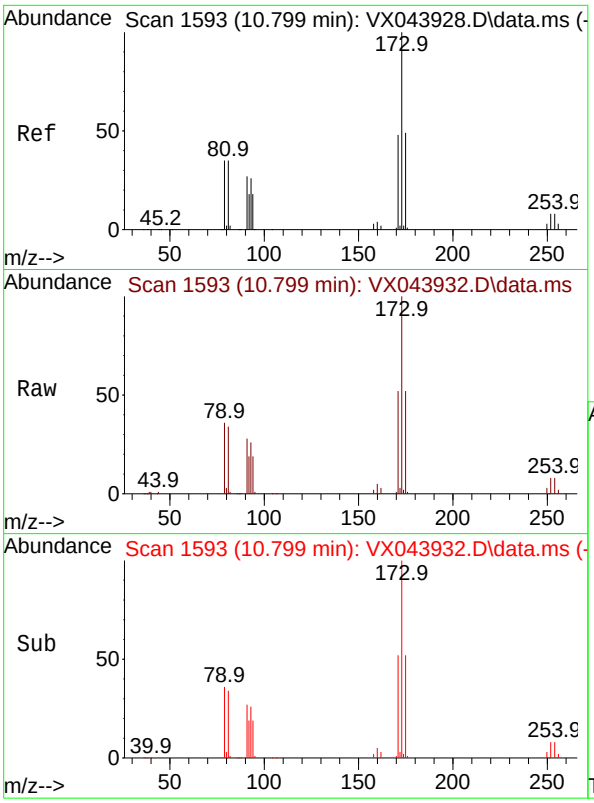


#70
Styrene
Concen: 51.728 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:104 Resp: 230449

Ion	Ratio	Lower	Upper
104	100		
78	53.9	42.2	63.2
103	56.0	44.7	67.1



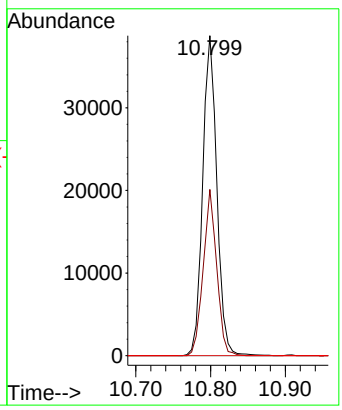


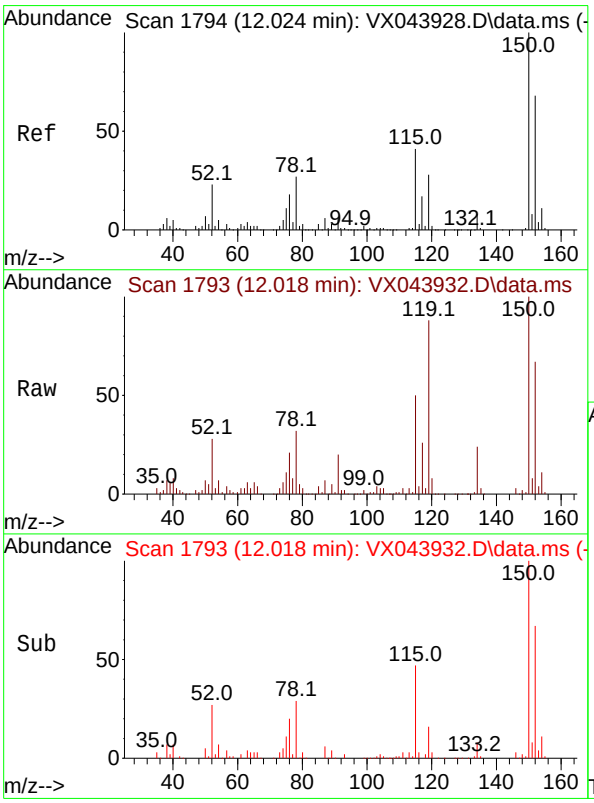
#71
Bromoform
Concen: 47.449 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion:173 Resp: 50837

Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.1	72.2
254	0.0	0.0	0.0

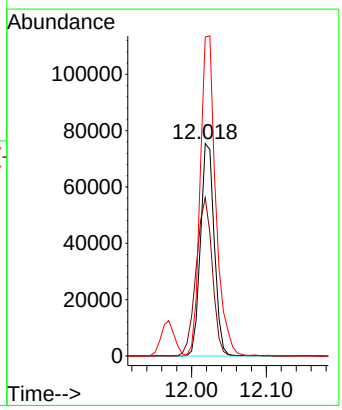


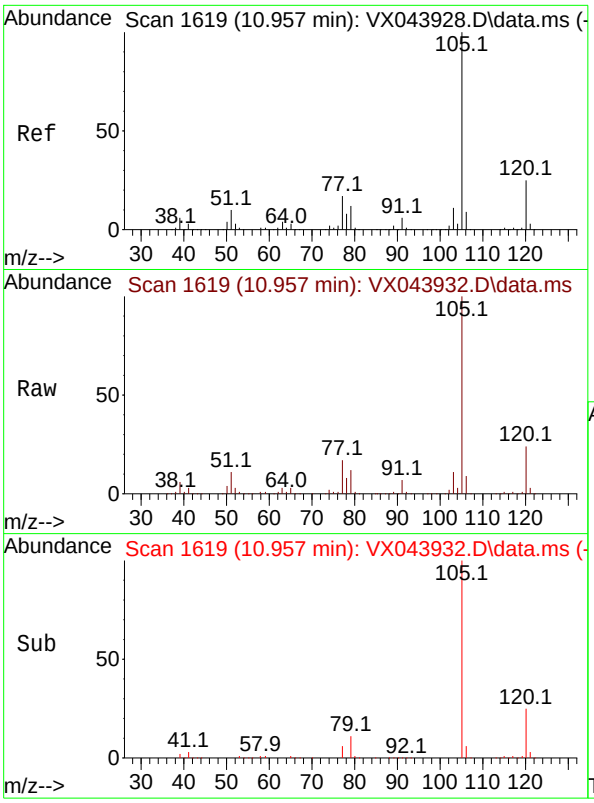


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:152 Resp: 96489

Ion	Ratio	Lower	Upper
152	100		
115	87.3	45.4	136.2
150	169.5	0.0	353.0



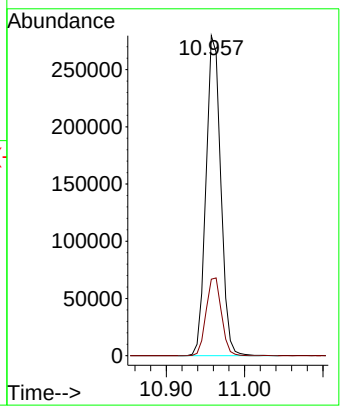


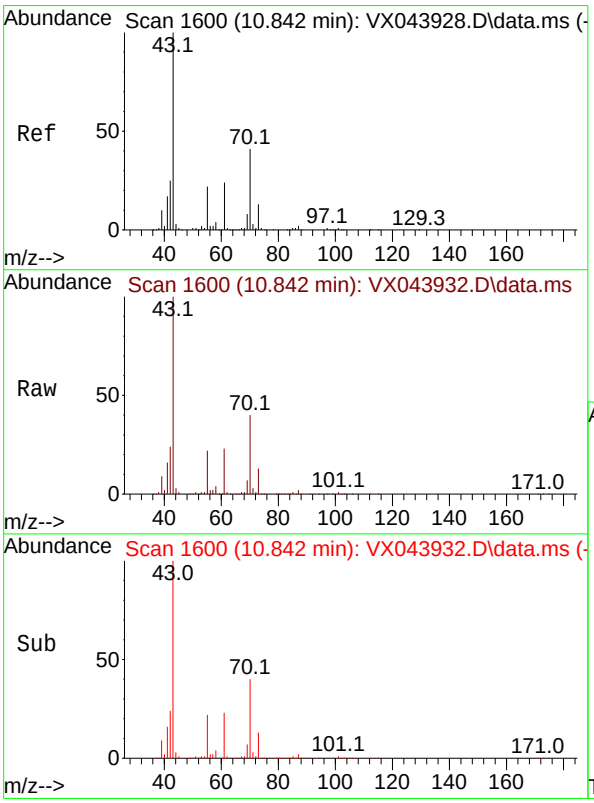
#73
Isopropylbenzene
Concen: 49.222 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion:105 Resp: 365084

Ion	Ratio	Lower	Upper
105	100		
120	25.3	13.0	38.9

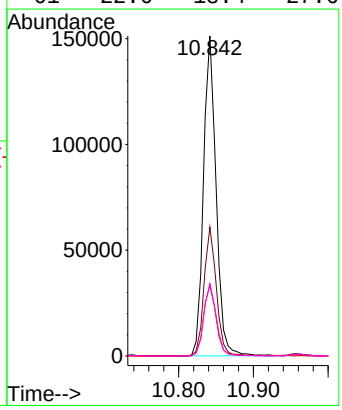


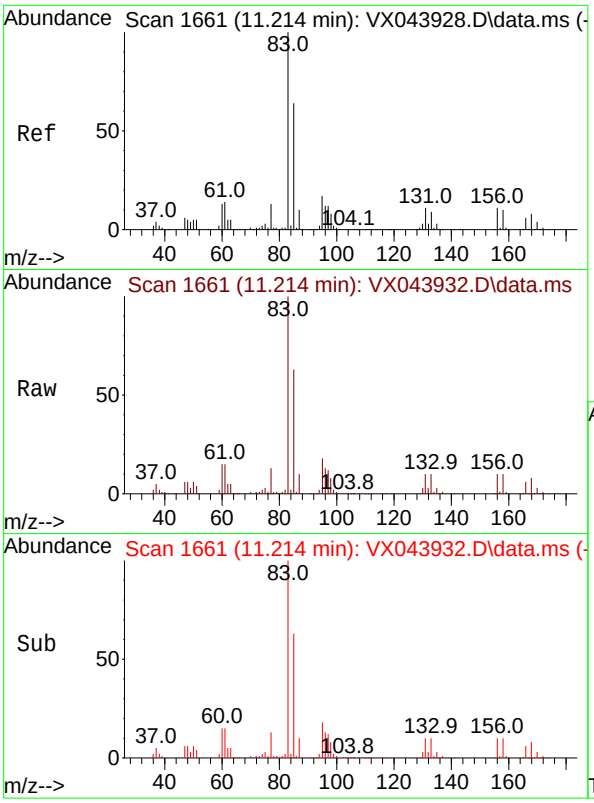


#74
N-amyl acetate
Concen: 51.406 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 43 Resp: 176627

Ion	Ratio	Lower	Upper
43	100		
70	39.7	32.2	48.2
55	22.4	18.1	27.1
61	22.6	18.4	27.6



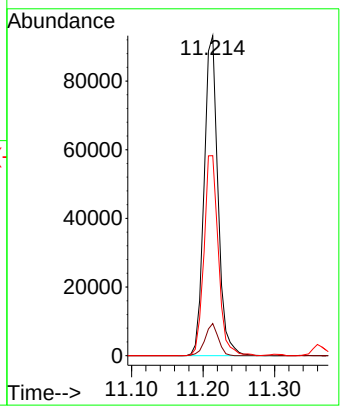


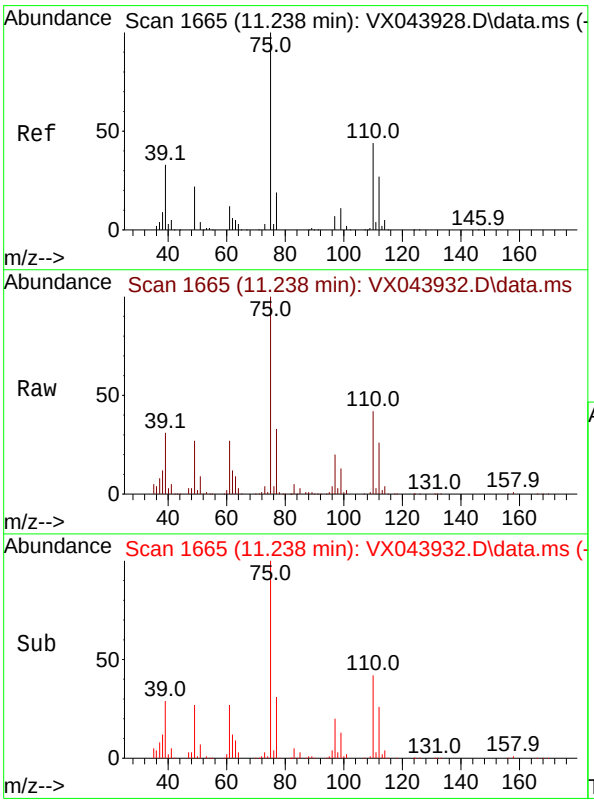
#75
1,1,2,2-Tetrachloroethane
Concen: 49.356 ug/l
RT: 11.214 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 83 Resp: 125346

Ion	Ratio	Lower	Upper
83	100		
131	9.6	5.1	15.2
85	64.9	32.2	96.6

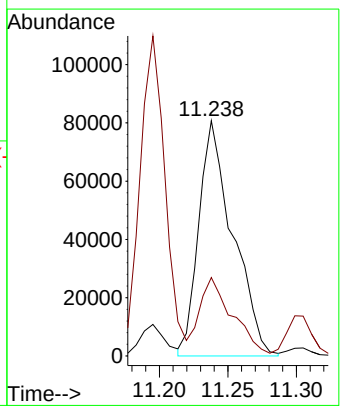


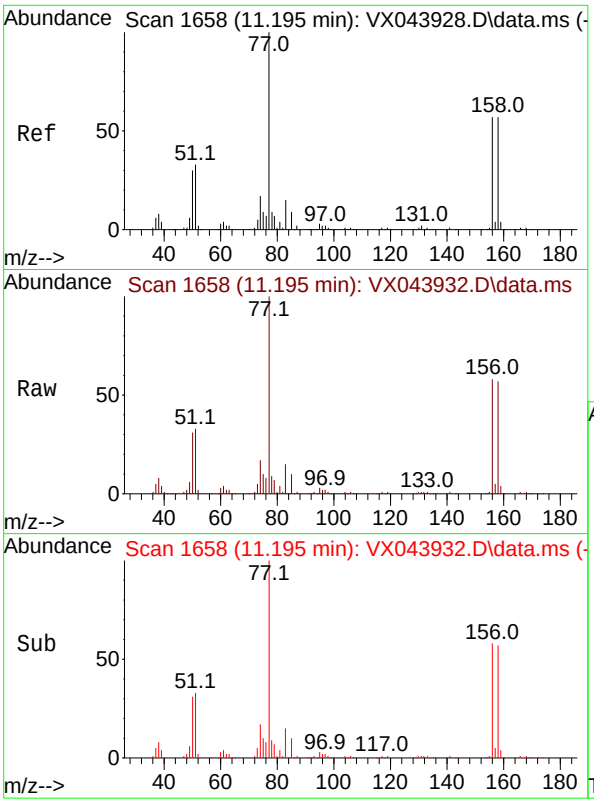


#76
1,2,3-Trichloropropane
Concen: 66.099 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 75 Resp: 139865

Ion	Ratio	Lower	Upper
75	100		
77	32.3	21.8	65.3



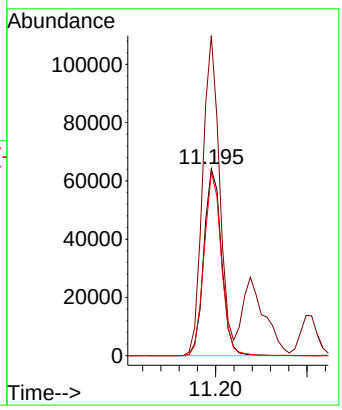


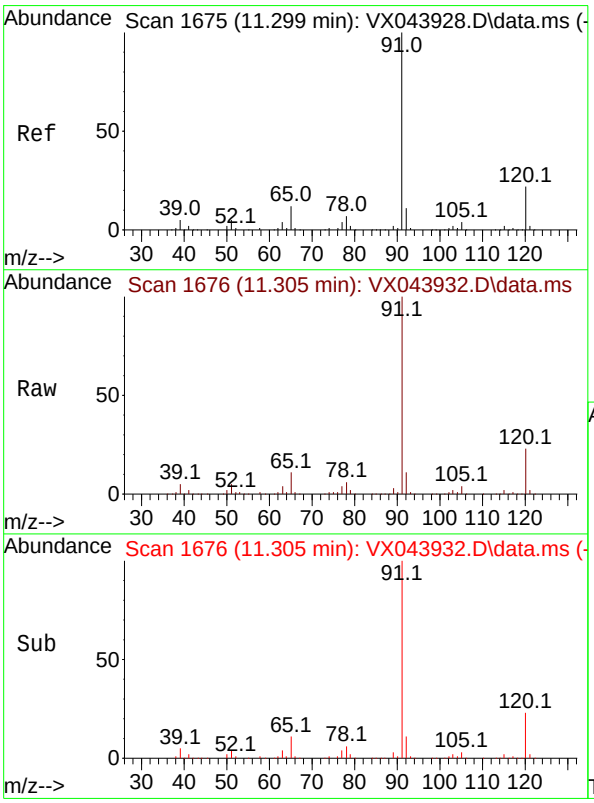
#77
Bromobenzene
Concen: 48.081 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion:156 Resp: 85070

Ion	Ratio	Lower	Upper
156	100		
77	165.4	83.4	250.1
158	96.9	47.6	142.8

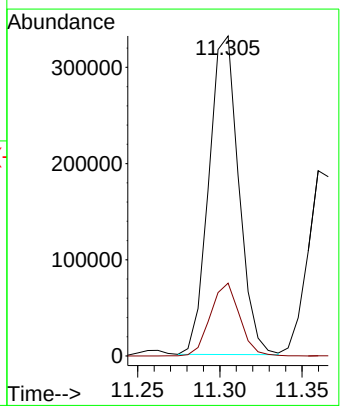


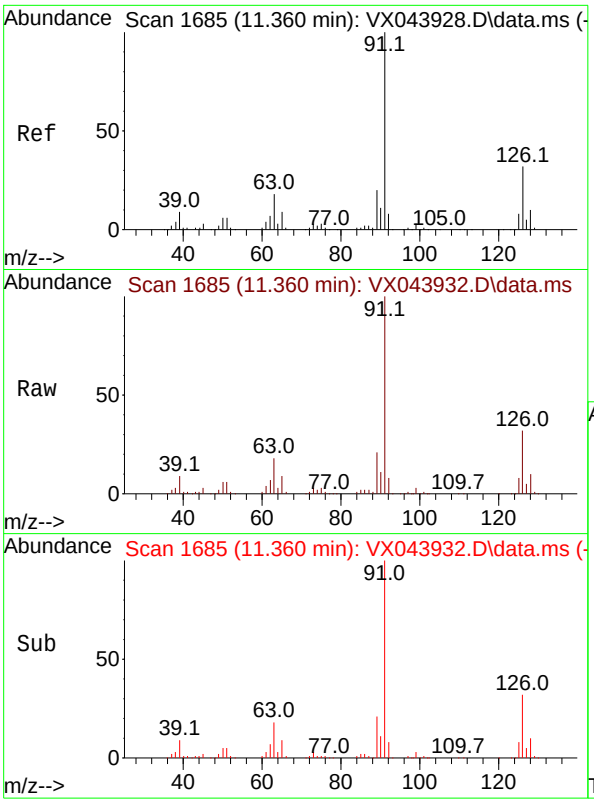


#78
n-propylbenzene
Concen: 50.652 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 91 Resp: 419586

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.5	34.4



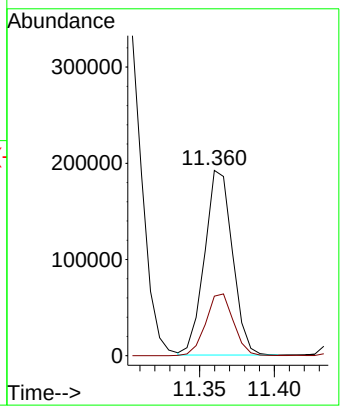


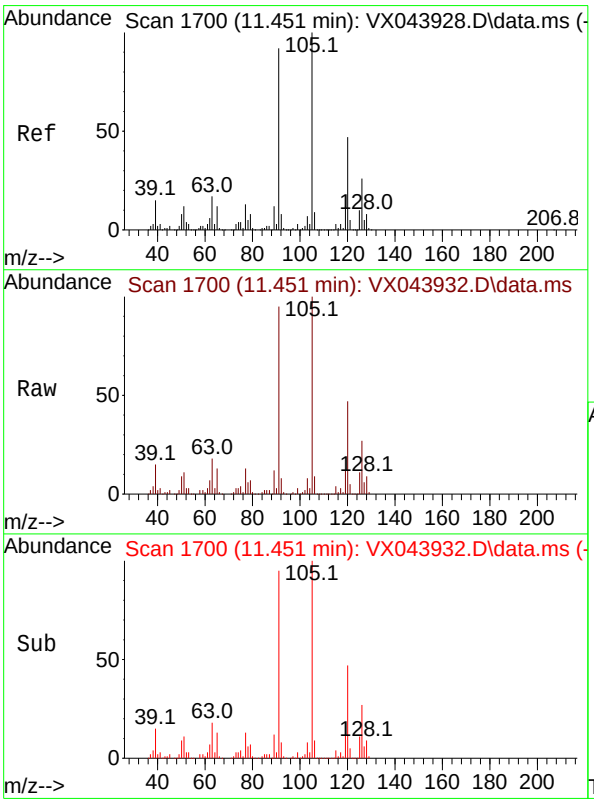
#79
2-Chlorotoluene
Concen: 47.551 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 91 Resp: 249079

Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.6	49.8

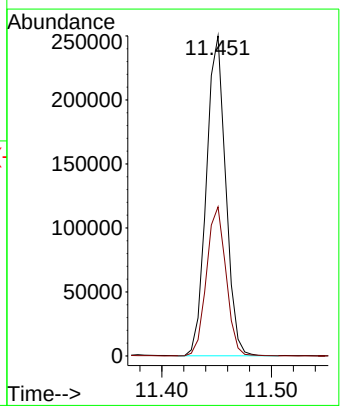


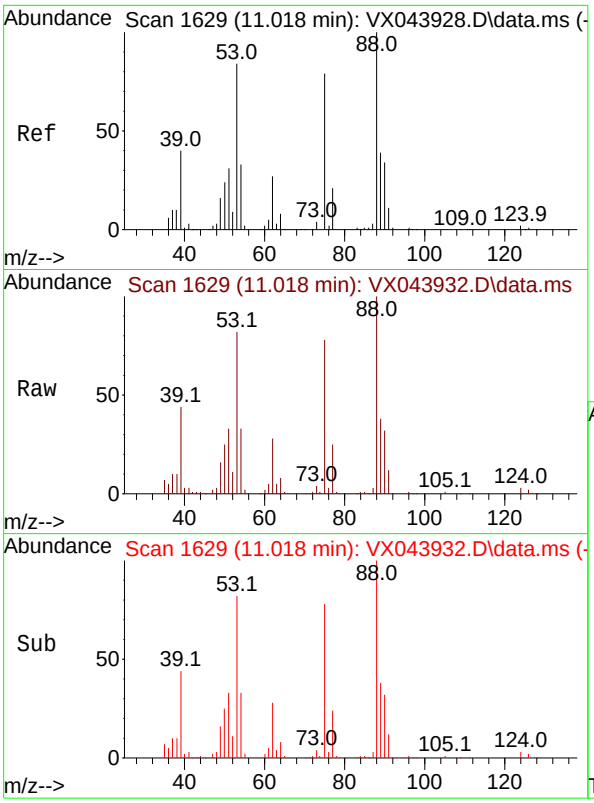


#80
1,3,5-Trimethylbenzene
Concen: 50.134 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:105 Resp: 305922

Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.3	69.8



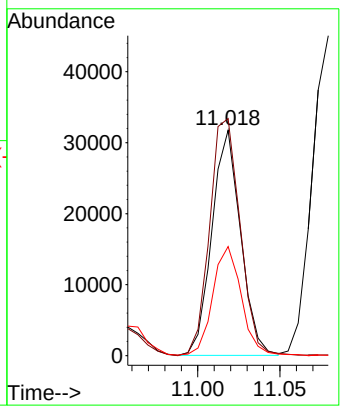


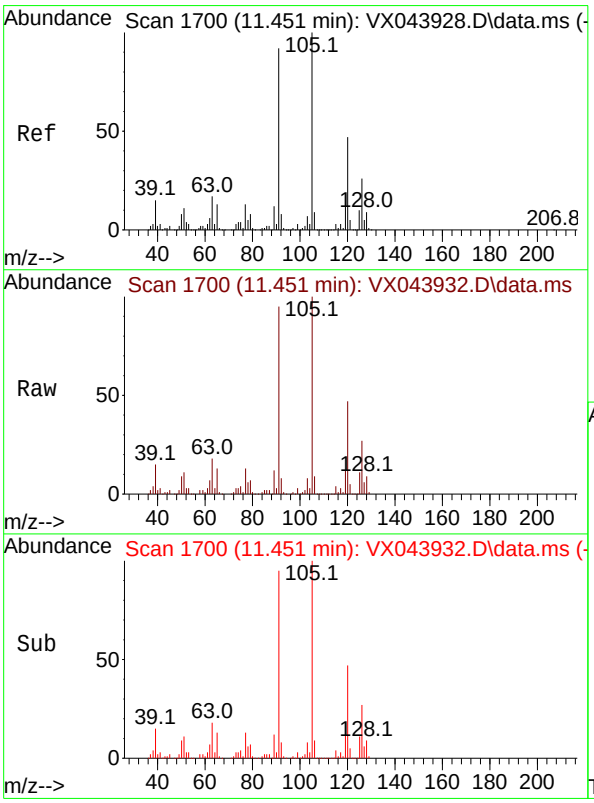
#81
trans-1,4-Dichloro-2-butene
Concen: 49.756 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 75 Resp: 38583

Ion	Ratio	Lower	Upper
75	100		
53	111.7	86.7	130.1
89	48.1	38.2	57.2

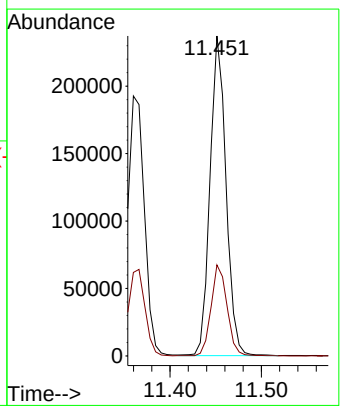


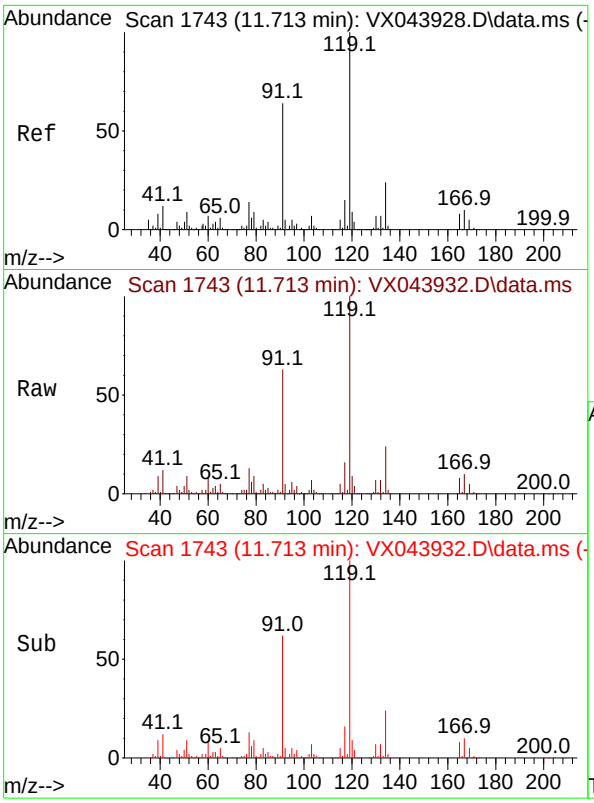


#82
4-Chlorotoluene
Concen: 48.652 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 91 Resp: 287717

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.3	42.9



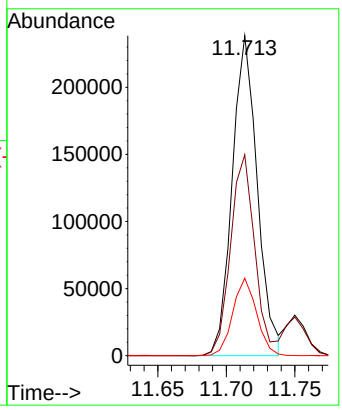


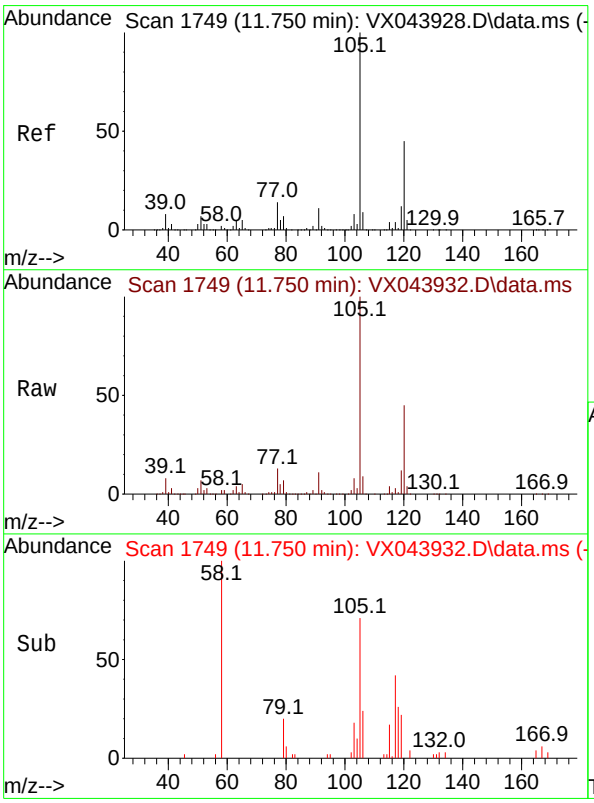
#83
tert-Butylbenzene
Concen: 50.165 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion:119 Resp: 303408

Ion	Ratio	Lower	Upper
119	100		
91	61.2	31.0	93.0
134	23.1	11.6	34.8

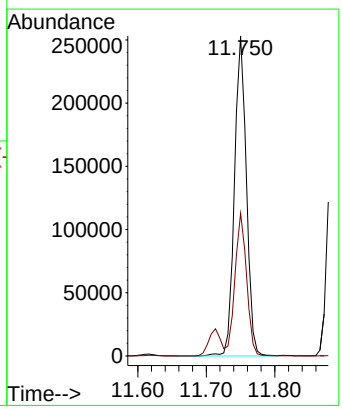


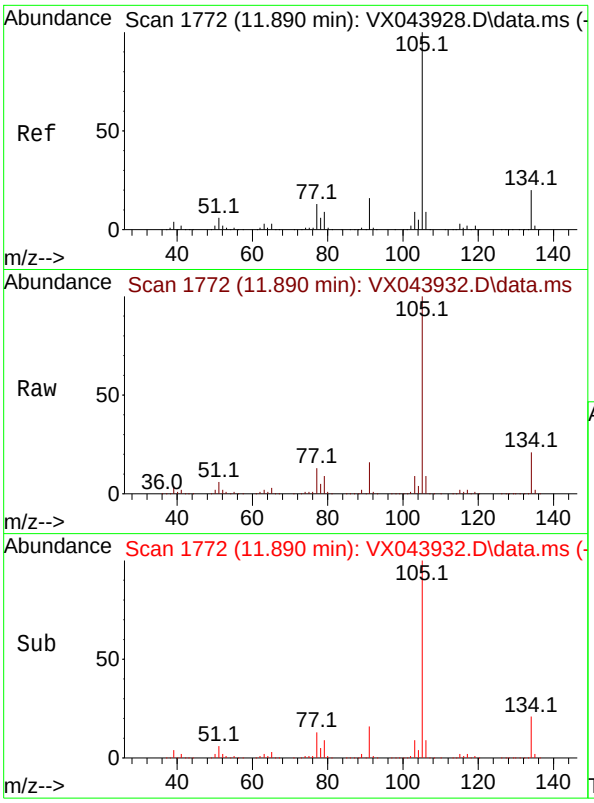


#84
1,2,4-Trimethylbenzene
Concen: 50.410 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:105 Resp: 306251

Ion	Ratio	Lower	Upper
105	100		
120	43.8	21.9	65.7



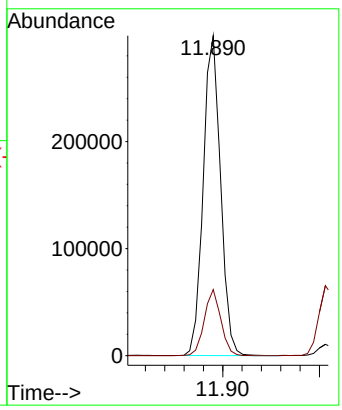


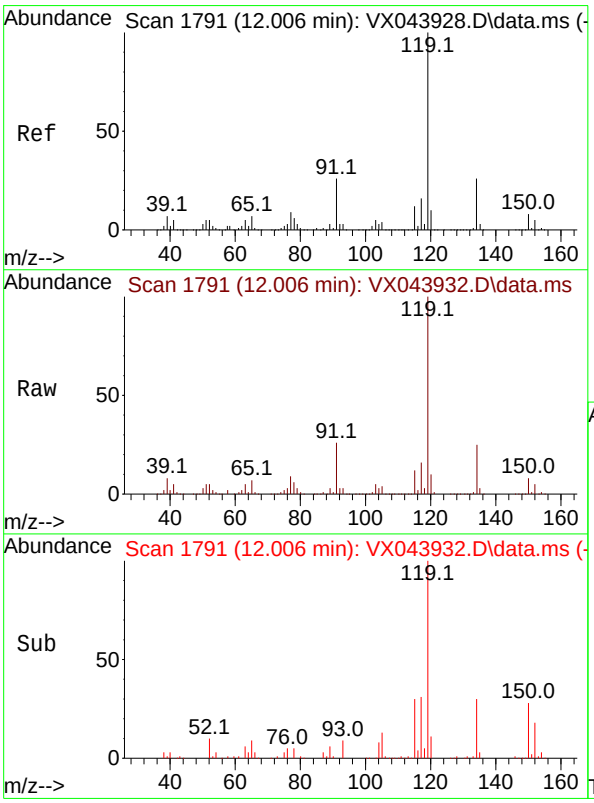
#85
sec-Butylbenzene
Concen: 50.307 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion:105 Resp: 372793

Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.7	29.1

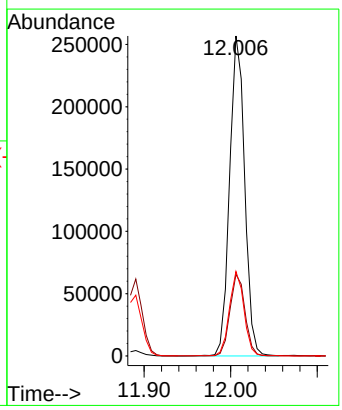


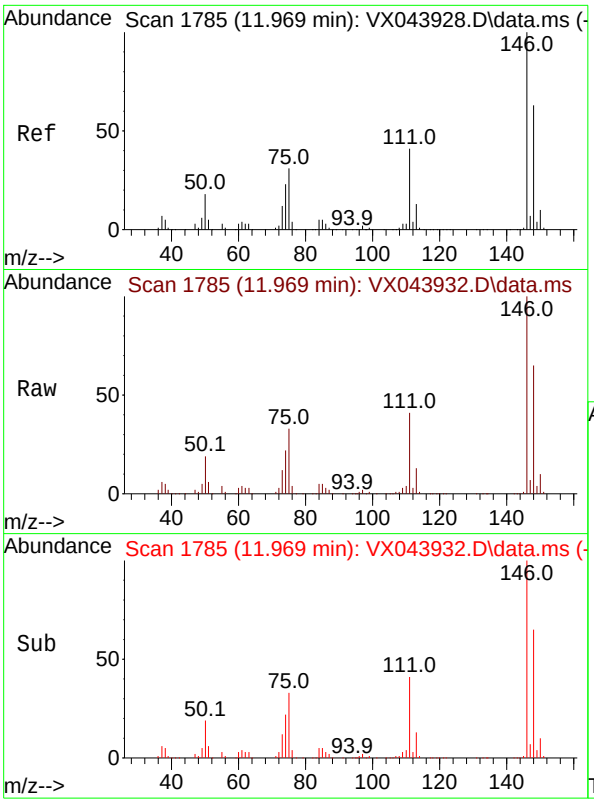


#86
p-Isopropyltoluene
Concen: 51.511 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:119 Resp: 310060

Ion	Ratio	Lower	Upper
119	100		
134	25.6	13.0	38.9
91	25.7	13.0	38.9



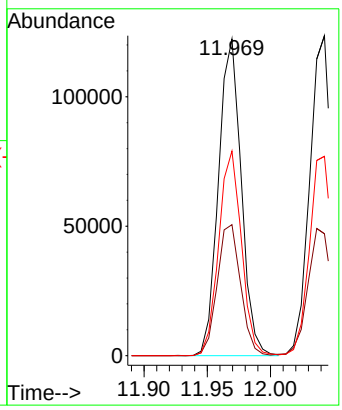


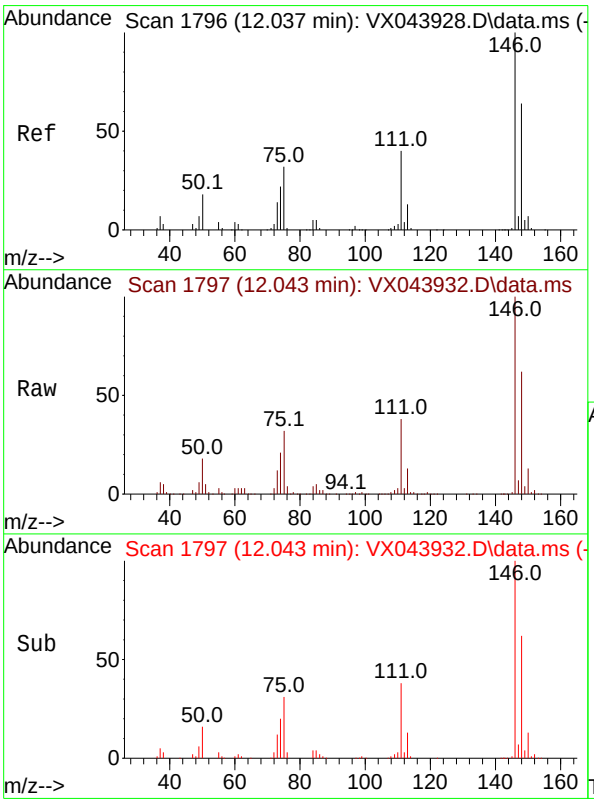
#87
1,3-Dichlorobenzene
Concen: 47.529 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion:146 Resp: 153164

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.1	63.3
148	64.4	31.7	95.1

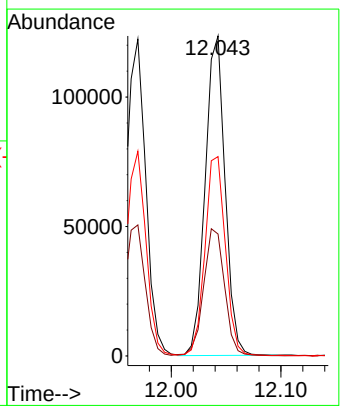


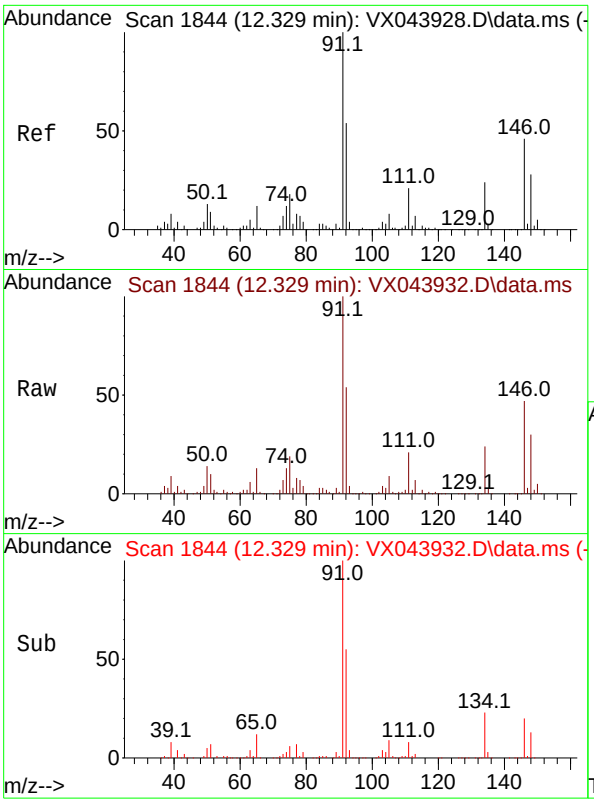


#88
1,4-Dichlorobenzene
Concen: 47.306 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:146 Resp: 155422

Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.1	60.3
148	64.7	30.9	92.8



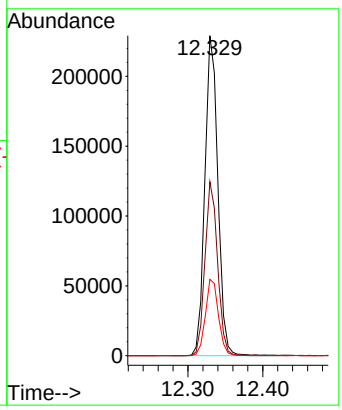


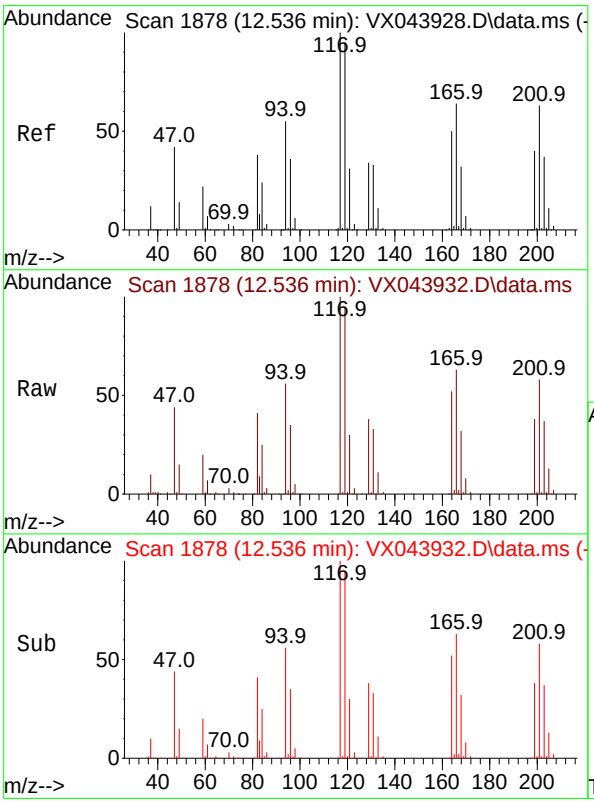
#89
n-Butylbenzene
Concen: 52.020 ug/l
RT: 12.329 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 91 Resp: 276075

Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.6	79.8
134	24.0	12.4	37.2

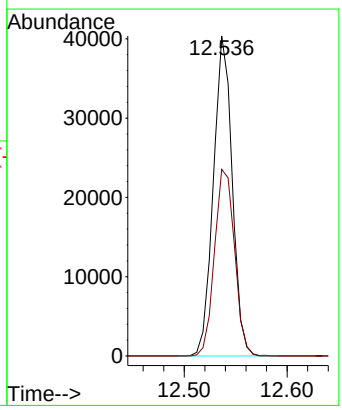


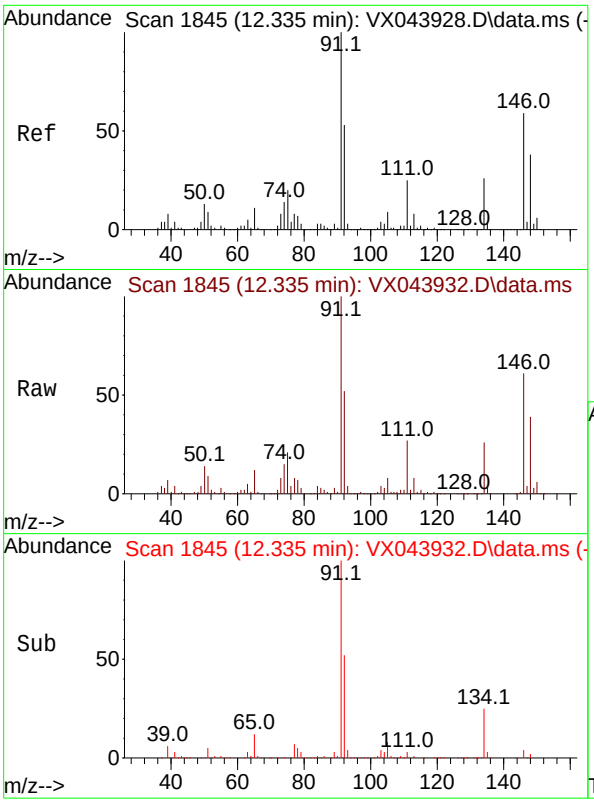


#90
Hexachloroethane
Concen: 50.050 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:117 Resp: 51229

Ion	Ratio	Lower	Upper
117	100		
201	62.2	32.4	97.0



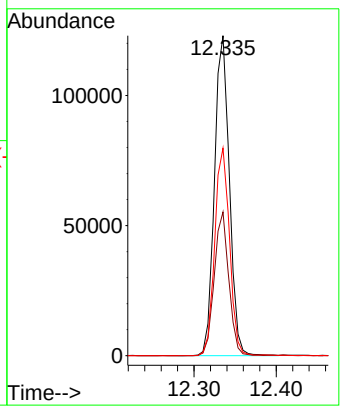


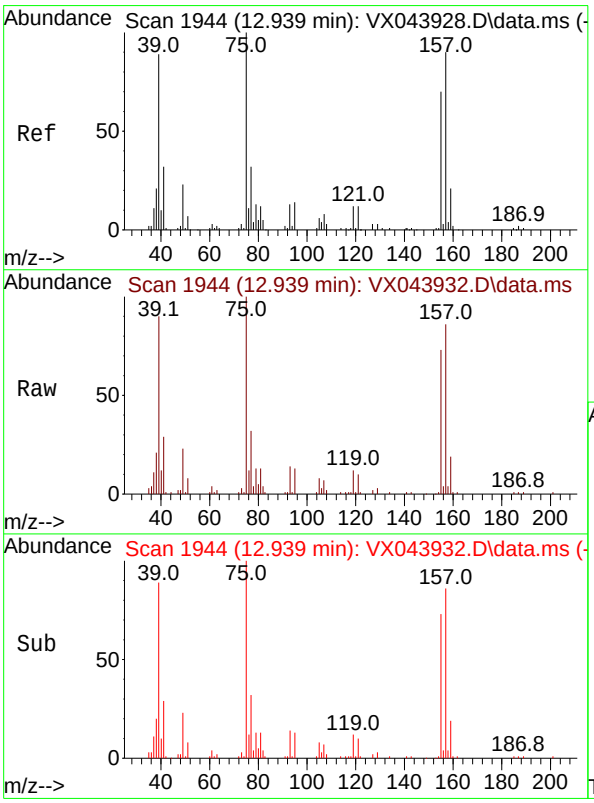
#91
1,2-Dichlorobenzene
Concen: 47.656 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion:146 Resp: 154980

Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.5	64.5
148	64.3	31.9	95.5

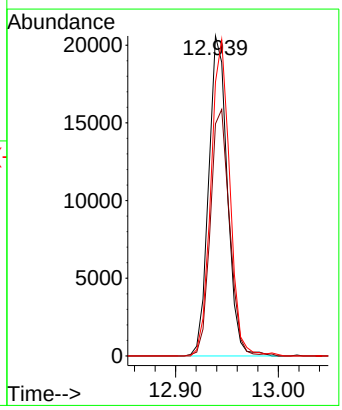


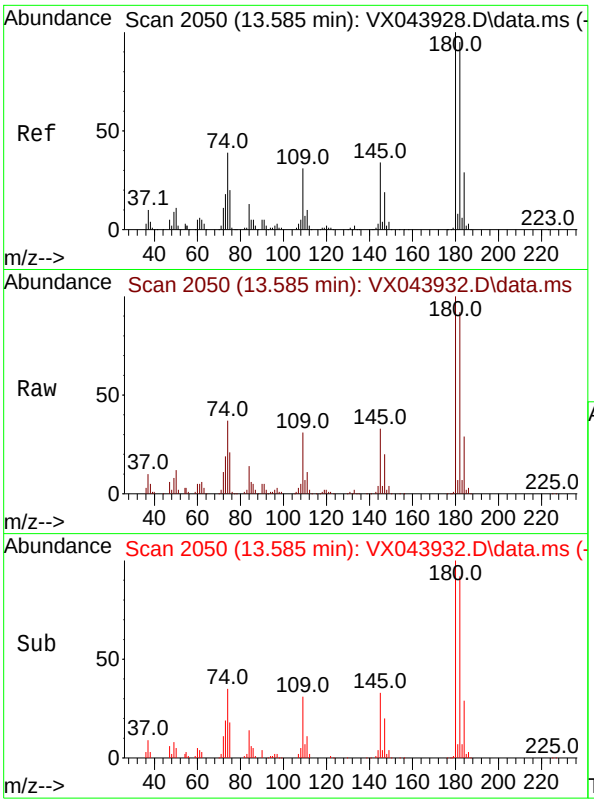


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.030 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 75 Resp: 25968

Ion	Ratio	Lower	Upper
75	100		
155	79.4	40.1	120.2
157	99.8	49.6	149.0



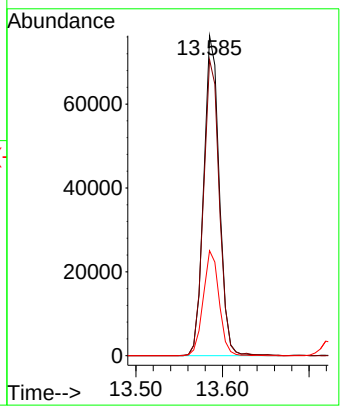


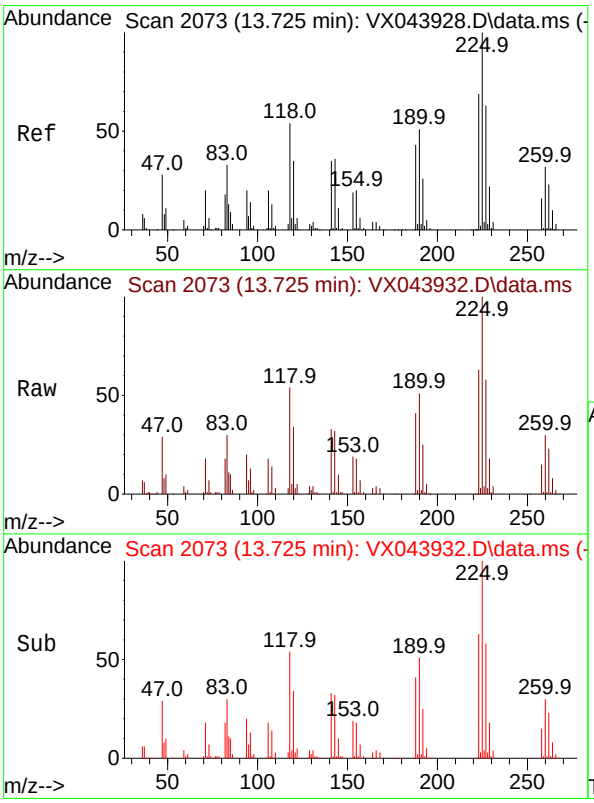
#93
1,2,4-Trichlorobenzene
Concen: 49.495 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion:180 Resp: 94896

Ion	Ratio	Lower	Upper
180	100		
182	94.6	48.0	144.2
145	33.6	16.8	50.4

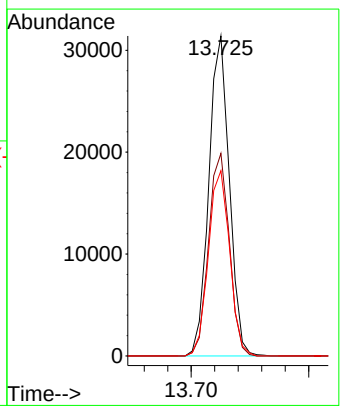


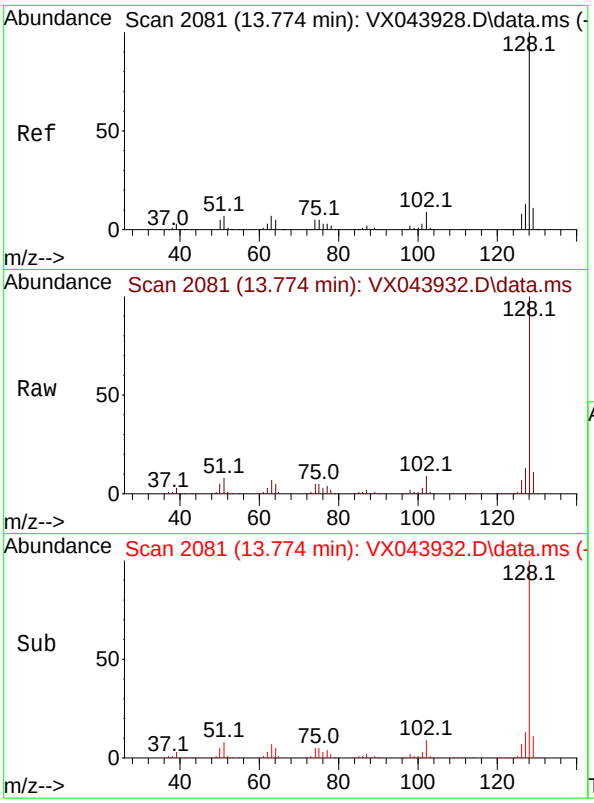


#94
Hexachlorobutadiene
Concen: 50.065 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:225 Resp: 37937

Ion	Ratio	Lower	Upper
225	100		
223	64.1	32.9	98.6
227	60.3	31.6	94.8



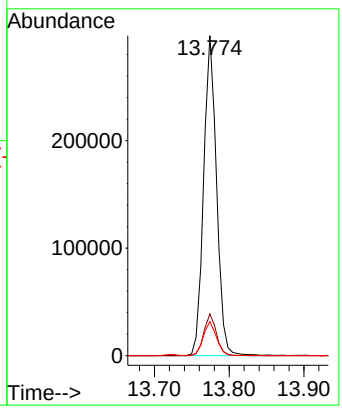


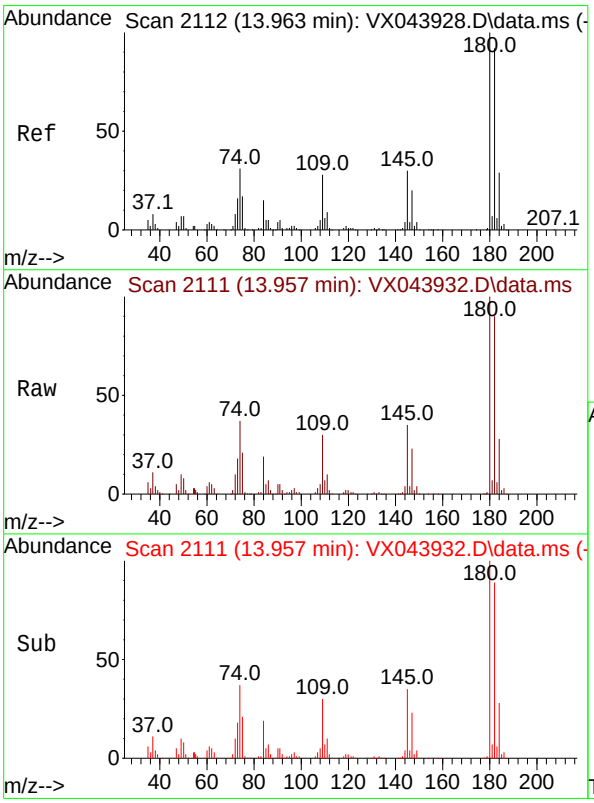
#95
Naphthalene
Concen: 51.831 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion:128 Resp: 357725

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.8	8.6	12.8





#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	45.6	136.8
145	33.9	16.4	49.4

