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Cover Page

Order ID : Q1211

Project ID : Ft Meade Tipton Airfield Parcel RI - PO 0111169

Client : Weston Solutions

Lab Sample Number	Client Sample Number
Q1211-01	TAPHHA-MW01-012825-00-T4
Q1211-02	TAPIAL2-MW03-012825-00-T3
Q1211-03	TAP-TB-02-012825-T4

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: 2/6/2025

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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q1211**

	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: **NILESH PRAJAPATI** **Date:** **02/06/2025**

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LAB CHRONICLE

OrderID:	Q1211	**OrderDate:**	1/29/2025 10:10:00 AM
Client:	Weston Solutions	**Project:**	Ft Meade Tipton Airfield Parcel RI - PO 0111169
Contact:	Nathan Fretz	**Location:**	N31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1211-01	**TAPHHA-MW01-012825-00-T4**	**Water**			**01/28/25**			**01/29/25**
			VOC-TCLVOA-10	8260D			01/30/25	
Q1211-02	**TAPIAL2-MW03-012825-00-T3**	**Water**			**01/28/25**			**01/29/25**
			VOC-TCLVOA-10	8260D			01/30/25	
			VOC-TCLVOA-10	8260D			01/31/25	
Q1211-02RE	**TAPIAL2-MW03-012825-00-T3RE**	**Water**			**01/28/25**			**01/29/25**
			VOC-TCLVOA-10	8260D			01/31/25	
Q1211-03	**TAP-TB-02-012825-T4**	**Water**			**01/28/25**			**01/29/25**
			VOC-TCLVOA-10	8260D			01/30/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1211

Client: Weston Solutions

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	**TAPIAL2-MW03-012825-00-T3**								
Q1211-02	TAPIAL2-MW03-0	Water	Chloromethane	0.49	J	0.35	0.50	5.00	ug/L
			Total Voc :	0.49					
			Total Concentration:	0.49					



QC SUMMARY

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Surrogate Summary

SDG No.: Q1211

Client: Weston Solutions

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
Q1211-01	TAPHHA-MW01-012825-00-T4	1,2-Dichloroethane-d4	50	57.5	115		81	118
		Dibromofluoromethane	50	54.0	108		80	119
		Toluene-d8	50	49.6	99		89	112
		4-Bromofluorobenzene	50	44.2	88		85	114
Q1211-02	TAPIAL2-MW03-012825-00-T3	1,2-Dichloroethane-d4	50	55.5	111		81	118
		Dibromofluoromethane	50	52.1	104		80	119
		Toluene-d8	50	49.2	98		89	112
		4-Bromofluorobenzene	50	41.4	83	*	85	114
Q1211-02RE	TAPIAL2-MW03-012825-00-T3RE	1,2-Dichloroethane-d4	50	56.7	113		81	118
		Dibromofluoromethane	50	52.8	106		80	119
		Toluene-d8	50	49.2	98		89	112
		4-Bromofluorobenzene	50	45.8	92		85	114
Q1211-03	TAP-TB-02-012825-T4	1,2-Dichloroethane-d4	50	56.9	114		81	118
		Dibromofluoromethane	50	53.3	107		80	119
		Toluene-d8	50	50.1	100		89	112
		4-Bromofluorobenzene	50	42.9	86		85	114
VN0130WBL01	VN0130WBL01	1,2-Dichloroethane-d4	50	56.5	113		81	118
		Dibromofluoromethane	50	53.7	107		80	119
		Toluene-d8	50	50.1	100		89	112
		4-Bromofluorobenzene	50	45.3	91		85	114
VN0130WBS01	VN0130WBS01	1,2-Dichloroethane-d4	50	53.0	106		81	118
		Dibromofluoromethane	50	54.7	109		80	119
		Toluene-d8	50	54.9	110		89	112
		4-Bromofluorobenzene	50	55.1	110		85	114
VN0130WBSD0	VN0130WBSD01	1,2-Dichloroethane-d4	50	56.4	113		81	118
		Dibromofluoromethane	50	55.3	111		80	119
		Toluene-d8	50	54.7	109		89	112
		4-Bromofluorobenzene	50	55.8	112		85	114
VN0131WBL01	VN0131WBL01	1,2-Dichloroethane-d4	50	57.4	115		81	118
		Dibromofluoromethane	50	54.1	108		80	119
		Toluene-d8	50	49.7	99		89	112
		4-Bromofluorobenzene	50	45.4	91		85	114
VN0131WBS01	VN0131WBS01	1,2-Dichloroethane-d4	50	50.3	101		81	118
		Dibromofluoromethane	50	52.5	105		80	119
		Toluene-d8	50	53.6	107		89	112
		4-Bromofluorobenzene	50	50.8	102		85	114

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1211

Client: Weston Solutions

Analytical Method: SW8260D **Datafile :** VN085579.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0130WBS01	Dichlorodifluoromethane	20	16.6	ug/L	83			32	152	
	Chloromethane	20	17.0	ug/L	85			50	139	
	Vinyl chloride	20	17.2	ug/L	86			58	137	
	Bromomethane	20	18.2	ug/L	91			53	141	
	Chloroethane	20	18.8	ug/L	94			60	138	
	Trichlorofluoromethane	20	19.2	ug/L	96			65	141	
	1,1,2-Trichlorotrifluoroethane	20	19.2	ug/L	96			70	136	
	1,1-Dichloroethene	20	18.7	ug/L	94			71	131	
	Acetone	100	110	ug/L	110			39	160	
	Carbon disulfide	20	15.2	ug/L	76			64	133	
	Methyl tert-butyl Ether	20	20.1	ug/L	101			71	124	
	Methyl Acetate	20	23.3	ug/L	117			56	136	
	Methylene Chloride	20	19.3	ug/L	97			74	124	
	trans-1,2-Dichloroethene	20	18.7	ug/L	94			75	124	
	1,1-Dichloroethane	20	19.7	ug/L	99			77	125	
	Cyclohexane	20	17.0	ug/L	85			71	130	
	2-Butanone	100	110	ug/L	110			56	143	
	Carbon Tetrachloride	20	19.4	ug/L	97			72	136	
	cis-1,2-Dichloroethene	20	19.0	ug/L	95			78	123	
	Bromochloromethane	20	18.9	ug/L	95			78	123	
	Chloroform	20	20.0	ug/L	100			79	124	
	1,1,1-Trichloroethane	20	20.0	ug/L	100			74	131	
	Methylcyclohexane	20	16.9	ug/L	85			72	132	
	Benzene	20	19.4	ug/L	97			79	120	
	1,2-Dichloroethane	20	20.6	ug/L	103			73	128	
	Trichloroethene	20	19.0	ug/L	95			79	123	
	1,2-Dichloropropane	20	19.8	ug/L	99			78	122	
	Bromodichloromethane	20	21.0	ug/L	105			79	125	
	4-Methyl-2-Pentanone	100	110	ug/L	110			67	130	
	Toluene	20	20.5	ug/L	103			80	121	
	t-1,3-Dichloropropene	20	20.0	ug/L	100			73	127	
	cis-1,3-Dichloropropene	20	20.2	ug/L	101			75	124	
	1,1,2-Trichloroethane	20	21.4	ug/L	107			80	119	
	2-Hexanone	100	110	ug/L	110			57	139	
	Dibromochloromethane	20	21.1	ug/L	106			74	126	
	1,2-Dibromoethane	20	20.3	ug/L	102			77	121	
	Tetrachloroethene	20	20.2	ug/L	101			74	129	
	Chlorobenzene	20	20.1	ug/L	101			82	118	
	Ethyl Benzene	20	19.6	ug/L	98			79	121	
	m/p-Xylenes	40	41.5	ug/L	104			80	121	
	o-Xylene	20	19.9	ug/L	100			78	122	
	Styrene	20	20.7	ug/L	104			78	123	
	Bromoform	20	21.4	ug/L	107			66	130	
	Isopropylbenzene	20	19.6	ug/L	98			72	131	
	1,1,2,2-Tetrachloroethane	20	20.1	ug/L	101			71	121	
	1,3-Dichlorobenzene	20	20.1	ug/L	101			80	119	
	1,4-Dichlorobenzene	20	19.1	ug/L	96			79	118	
	1,2-Dichlorobenzene	20	19.0	ug/L	95			80	119	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1211

Client: Weston Solutions

Analytical Method: SW8260D **Datafile :** VN085579.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0130WBS01	1,2-Dibromo-3-Chloropropane	20	20.6	ug/L	103			62	128	
	1,2,4-Trichlorobenzene	20	18.0	ug/L	90			69	130	
	1,2,3-Trichlorobenzene	20	17.4	ug/L	87			69	129	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1211

Client: Weston Solutions

Analytical Method: SW8260D **Datafile :** VN085580.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0130WBSD01	Dichlorodifluoromethane	20	16.7	ug/L	84	1		32	152	20
	Chloromethane	20	16.7	ug/L	84	1		50	139	20
	Vinyl chloride	20	17.4	ug/L	87	1		58	137	20
	Bromomethane	20	18.7	ug/L	94	3		53	141	20
	Chloroethane	20	19.2	ug/L	96	2		60	138	20
	Trichlorofluoromethane	20	18.7	ug/L	94	2		65	141	20
	1,1,2-Trichlorotrifluoroethane	20	19.5	ug/L	98	2		70	136	20
	1,1-Dichloroethene	20	19.2	ug/L	96	2		71	131	20
	Acetone	100	110	ug/L	110	0		39	160	20
	Carbon disulfide	20	15.5	ug/L	78	3		64	133	20
	Methyl tert-butyl Ether	20	21.7	ug/L	109	8		71	124	20
	Methyl Acetate	20	24.7	ug/L	124	6		56	136	20
	Methylene Chloride	20	19.9	ug/L	100	3		74	124	20
	trans-1,2-Dichloroethene	20	19.2	ug/L	96	2		75	124	20
	1,1-Dichloroethane	20	20.4	ug/L	102	3		77	125	20
	Cyclohexane	20	17.2	ug/L	86	1		71	130	20
	2-Butanone	100	110	ug/L	110	0		56	143	20
	Carbon Tetrachloride	20	20.1	ug/L	101	4		72	136	20
	cis-1,2-Dichloroethene	20	20.2	ug/L	101	6		78	123	20
	Bromochloromethane	20	19.6	ug/L	98	3		78	123	20
	Chloroform	20	20.6	ug/L	103	3		79	124	20
	1,1,1-Trichloroethane	20	20.5	ug/L	103	3		74	131	20
	Methylcyclohexane	20	17.4	ug/L	87	2		72	132	20
	Benzene	20	20.2	ug/L	101	4		79	120	20
	1,2-Dichloroethane	20	21.1	ug/L	106	3		73	128	20
	Trichloroethene	20	19.3	ug/L	97	2		79	123	20
	1,2-Dichloropropane	20	20.8	ug/L	104	5		78	122	20
	Bromodichloromethane	20	22.1	ug/L	111	6		79	125	20
	4-Methyl-2-Pentanone	100	120	ug/L	120	9		67	130	20
	Toluene	20	20.6	ug/L	103	0		80	121	20
	t-1,3-Dichloropropene	20	21.4	ug/L	107	7		73	127	20
	cis-1,3-Dichloropropene	20	21.1	ug/L	106	5		75	124	20
	1,1,2-Trichloroethane	20	22.8	ug/L	114	6		80	119	20
	2-Hexanone	100	120	ug/L	120	9		57	139	20
	Dibromochloromethane	20	21.6	ug/L	108	2		74	126	20
	1,2-Dibromoethane	20	21.4	ug/L	107	5		77	121	20
	Tetrachloroethene	20	20.0	ug/L	100	1		74	129	20
	Chlorobenzene	20	20.0	ug/L	100	1		82	118	20
	Ethyl Benzene	20	19.5	ug/L	98	0		79	121	20
	m/p-Xylenes	40	40.5	ug/L	101	3		80	121	20
	o-Xylene	20	20.3	ug/L	102	2		78	122	20
	Styrene	20	21.0	ug/L	105	1		78	123	20
	Bromoform	20	22.6	ug/L	113	5		66	130	20
	Isopropylbenzene	20	20.1	ug/L	101	3		72	131	20
	1,1,2,2-Tetrachloroethane	20	21.5	ug/L	108	7		71	121	20
	1,3-Dichlorobenzene	20	20.2	ug/L	101	0		80	119	20
	1,4-Dichlorobenzene	20	19.8	ug/L	99	3		79	118	20
	1,2-Dichlorobenzene	20	19.5	ug/L	98	3		80	119	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1211

Client: Weston Solutions

Analytical Method: SW8260D **Datafile :** VN085580.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN0130WBSD01	1,2-Dibromo-3-Chloropropane	20	22.2	ug/L	111	7		62	128	20
	1,2,4-Trichlorobenzene	20	18.7	ug/L	94	4		69	130	20
	1,2,3-Trichlorobenzene	20	19.1	ug/L	96	10		69	129	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1211

Client: Weston Solutions

Analytical Method: SW8260D **Datafile :** VN085593.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0131WBS01	Dichlorodifluoromethane	20	15.8	ug/L	79			32	152	
	Chloromethane	20	15.3	ug/L	77			50	139	
	Vinyl chloride	20	16.8	ug/L	84			58	137	
	Bromomethane	20	17.6	ug/L	88			53	141	
	Chloroethane	20	17.6	ug/L	88			60	138	
	Trichlorofluoromethane	20	18.1	ug/L	91			65	141	
	1,1,2-Trichlorotrifluoroethane	20	18.6	ug/L	93			70	136	
	1,1-Dichloroethene	20	17.0	ug/L	85			71	131	
	Acetone	100	96.0	ug/L	96			39	160	
	Carbon disulfide	20	14.1	ug/L	71			64	133	
	Methyl tert-butyl Ether	20	18.8	ug/L	94			71	124	
	Methyl Acetate	20	21.5	ug/L	108			56	136	
	Methylene Chloride	20	18.4	ug/L	92			74	124	
	trans-1,2-Dichloroethene	20	17.4	ug/L	87			75	124	
	1,1-Dichloroethane	20	19.1	ug/L	96			77	125	
	Cyclohexane	20	15.3	ug/L	77			71	130	
	2-Butanone	100	97.0	ug/L	97			56	143	
	Carbon Tetrachloride	20	19.0	ug/L	95			72	136	
	cis-1,2-Dichloroethene	20	17.6	ug/L	88			78	123	
	Bromochloromethane	20	19.5	ug/L	98			78	123	
	Chloroform	20	19.2	ug/L	96			79	124	
	1,1,1-Trichloroethane	20	19.2	ug/L	96			74	131	
	Methylcyclohexane	20	16.1	ug/L	81			72	132	
	Benzene	20	18.9	ug/L	95			79	120	
	1,2-Dichloroethane	20	19.5	ug/L	98			73	128	
	Trichloroethene	20	18.3	ug/L	92			79	123	
	1,2-Dichloropropane	20	19.0	ug/L	95			78	122	
	Bromodichloromethane	20	20.3	ug/L	102			79	125	
	4-Methyl-2-Pentanone	100	110	ug/L	110			67	130	
	Toluene	20	19.7	ug/L	99			80	121	
	t-1,3-Dichloropropene	20	19.8	ug/L	99			73	127	
	cis-1,3-Dichloropropene	20	19.4	ug/L	97			75	124	
	1,1,2-Trichloroethane	20	20.5	ug/L	103			80	119	
	2-Hexanone	100	110	ug/L	110			57	139	
	Dibromochloromethane	20	20.0	ug/L	100			74	126	
	1,2-Dibromoethane	20	19.5	ug/L	98			77	121	
	Tetrachloroethene	20	20.2	ug/L	101			74	129	
	Chlorobenzene	20	18.9	ug/L	95			82	118	
	Ethyl Benzene	20	18.6	ug/L	93			79	121	
	m/p-Xylenes	40	39.9	ug/L	100			80	121	
	o-Xylene	20	18.9	ug/L	95			78	122	
	Styrene	20	18.9	ug/L	95			78	123	
	Bromoform	20	20.4	ug/L	102			66	130	
	Isopropylbenzene	20	19.3	ug/L	97			72	131	
	1,1,2,2-Tetrachloroethane	20	20.0	ug/L	100			71	121	
	1,3-Dichlorobenzene	20	18.9	ug/L	95			80	119	
	1,4-Dichlorobenzene	20	18.8	ug/L	94			79	118	
	1,2-Dichlorobenzene	20	18.1	ug/L	91			80	119	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1211

Client: Weston Solutions

Analytical Method: SW8260D **Datafile :** VN085593.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0131WBS01	1,2-Dibromo-3-Chloropropane	20	19.0	ug/L	95			62	128	
	1,2,4-Trichlorobenzene	20	16.9	ug/L	85			69	130	
	1,2,3-Trichlorobenzene	20	17.4	ug/L	87			69	129	

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0130WBL01

Lab Name: CHEMTECH Contract: WEST04

Lab Code: CHEM Case No.: Q1211 SAS No.: Q1211 SDG NO.: Q1211

Lab File ID: VN085578.D Lab Sample ID: VN0130WBL01

Date Analyzed: 01/30/2025 Time Analyzed: 14:32

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN0130WBS01	VN0130WBS01	VN085579.D	01/30/2025
VN0130WBSD01	VN0130WBSD01	VN085580.D	01/30/2025
TAP-TB-02-012825-T4	Q1211-03	VN085582.D	01/30/2025
TAPHHA-MW01-012825-00-T4	Q1211-01	VN085583.D	01/30/2025
TAPIAL2-MW03-012825-00-T3	Q1211-02	VN085584.D	01/30/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0131WBL01

Lab Name: CHEMTECH Contract: WEST04

Lab Code: CHEM Case No.: Q1211 SAS No.: Q1211 SDG NO.: Q1211

Lab File ID: VN085592.D Lab Sample ID: VN0131WBL01

Date Analyzed: 01/31/2025 Time Analyzed: 10:42

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN0131WBS01	VN0131WBS01	VN085593.D	01/31/2025
TAPIAL2-MW03-012825-00-T3RE	Q1211-02RE	VN085595.D	01/31/2025

COMMENTS:

Alliance TECHNICAL GROUP

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: WEST04

Lab Code: CHEM Case No.: Q1211 SAS No.: Q1211 SDG NO.: Q1211

Lab File ID: VN085437.D BFB Injection Date: 01/14/2025

Instrument ID: MSVOA_N BFB Injection Time: 14:22

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.3
75	30.0 - 60.0% of mass 95	58
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.8
173	Less than 2.0% of mass 174	1.4 (1.8) 1
174	50.0 - 100.0% of mass 95	76
175	5.0 - 9.0% of mass 174	5.4 (7.1) 1
176	95.0 - 101.0% of mass 174	74.1 (97.4) 1
177	5.0 - 9.0% of mass 176	4.9 (6.7) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC100	VSTDICC100	VN085438.D	01/14/2025	14:56
VSTDICCC050	VSTDICCC050	VN085439.D	01/14/2025	15:19
VSTDICC020	VSTDICC020	VN085440.D	01/14/2025	15:43
VSTDICC010	VSTDICC010	VN085441.D	01/14/2025	16:07
VSTDICC005	VSTDICC005	VN085442.D	01/14/2025	16:31
VSTDICC001	VSTDICC001	VN085443.D	01/14/2025	17:19

Raw Data: **VN085575.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: WEST04

Lab Code: CHEM Case No.: Q1211 SAS No.: Q1211 SDG NO.: Q1211

Lab File ID: VN085575.D BFB Injection Date: 01/30/2025

Instrument ID: MSVOA_N BFB Injection Time: 12:21

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.1
75	30.0 - 60.0% of mass 95	56.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	5.4
173	Less than 2.0% of mass 174	0.9 (1.2) 1
174	50.0 - 100.0% of mass 95	77.3
175	5.0 - 9.0% of mass 174	6 (7.8) 1
176	95.0 - 101.0% of mass 174	73.9 (95.7) 1
177	5.0 - 9.0% of mass 176	5.3 (7.1) 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	VN085576.D	01/30/2025	13:08
VN0130WBL01	VN0130WBL01	VN085578.D	01/30/2025	14:32
VN0130WBS01	VN0130WBS01	VN085579.D	01/30/2025	14:56
VN0130WBSD01	VN0130WBSD01	VN085580.D	01/30/2025	15:30
TAP-TB-02-012825-T4	Q1211-03	VN085582.D	01/30/2025	16:18
TAPHHA-MW01-012825-00-T4	Q1211-01	VN085583.D	01/30/2025	16:42
TAPIAL2-MW03-012825-00-T3	Q1211-02	VN085584.D	01/30/2025	17:06
VSTDCCC050EC	VSTDCCC050	VN085589.D	01/30/2025	19:06

Raw Data: **VN085590.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: WEST04

Lab Code: CHEM Case No.: Q1211 SAS No.: Q1211 SDG NO.: Q1211

Lab File ID: VN085590.D BFB Injection Date: 01/31/2025

Instrument ID: MSVOA_N BFB Injection Time: 09:30

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.8
75	30.0 - 60.0% of mass 95	53.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	1 (1.4) 1
174	50.0 - 100.0% of mass 95	76.1
175	5.0 - 9.0% of mass 174	6.3 (8.3) 1
176	95.0 - 101.0% of mass 174	73.9 (97.1) 1
177	5.0 - 9.0% of mass 176	4.5 (6) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN085591.D	01/31/2025	10:04
VN0131WBL01	VN0131WBL01	VN085592.D	01/31/2025	10:42
VN0131WBS01	VN0131WBS01	VN085593.D	01/31/2025	11:06
TAPIAL2-MW03-012825-00-T3RE	Q1211-02RE	VN085595.D	01/31/2025	12:03
VSTDCCC050EC	VSTDCCC050	VN085615.D	01/31/2025	20:29

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: WEST04

Lab Code: CHEM Case No.: Q1211 SAS No.: Q1211 SDG NO.: Q1211

Lab File ID: VN085576.D Date Analyzed: 01/30/2025

Instrument ID: MSVOA_N Time Analyzed: 13:08

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	183741	8.22	313882	9.10	286764	11.87
UPPER LIMIT	367482	8.724	627764	9.6	573528	12.365
LOWER LIMIT	91870.5	7.724	156941	8.6	143382	11.365
EPA SAMPLE NO.						
TAPHHA-MW01-012825-00-T4	161216	8.22	307158	9.10	271574	11.87
TAPIAL2-MW03-012825-00-T3	173262	8.22	322416	9.10	276202	11.87
TAP-TB-02-012825-T4	164319	8.22	307297	9.10	274602	11.87
VN0130WBL01	169481	8.22	315219	9.10	275647	11.87
VN0130WBS01	185326	8.22	315495	9.10	277682	11.87
VN0130WBSD01	173523	8.22	296538	9.10	264359	11.87

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: WEST04

Lab Code: CHEM Case No.: Q1211 SAS No.: Q1211 SDG NO.: Q1211

Lab File ID: VN085576.D Date Analyzed: 01/30/2025

Instrument ID: MSVOA_N Time Analyzed: 13:08

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	143955	13.788				
UPPER LIMIT	287910	14.288				
LOWER LIMIT	71977.5	13.288				
EPA SAMPLE NO.						
TAPHHA-MW01-012825-00-T4	106487	13.79				
TAPIAL2-MW03-012825-00-T3	104464	13.79				
TAP-TB-02-012825-T4	105344	13.79				
VN0130WBL01	110956	13.79				
VN0130WBS01	135461	13.79				
VN0130WBSD01	127057	13.79				

IS4 = 1,4-Dichlorobenzene-d4

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: WEST04

Lab Code: CHEM Case No.: Q1211 SAS No.: Q1211 SDG NO.: Q1211

Lab File ID: VN085591.D Date Analyzed: 01/31/2025

Instrument ID: MSVOA_N Time Analyzed: 10:04

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	190291	8.22	311950	9.10	284481	11.87
UPPER LIMIT	380582	8.724	623900	9.6	568962	12.365
LOWER LIMIT	95145.5	7.724	155975	8.6	142241	11.365
EPA SAMPLE NO.						
TAPIAL2-MW03-012825-00-T3RE	165654	8.22	310451	9.10	268445	11.87
VN0131WBL01	163540	8.22	304758	9.10	267449	11.87
VN0131WBS01	192673	8.22	320848	9.10	286465	11.87

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: WEST04

Lab Code: CHEM Case No.: Q1211 SAS No.: Q1211 SDG NO.: Q1211

Lab File ID: VN085591.D Date Analyzed: 01/31/2025

Instrument ID: MSVOA_N Time Analyzed: 10:04

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	145646	13.788				
UPPER LIMIT	291292	14.288				
LOWER LIMIT	72823	13.288				
EPA SAMPLE NO.						
TAPIAL2-MW03-012825-00-T3RE	102272	13.79				
VN0131WBL01	104737	13.79				
VN0131WBS01	135464	13.79				

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

Raw Data: **VN085583.D**

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

Report of Analysis

Client:	Weston Solutions	Date Collected:	01/28/25
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	01/29/25
Client Sample ID:	TAPHHA-MW01-012825-00-T4	SDG No.:	Q1211
Lab Sample ID:	Q1211-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085583.D	1		01/30/25 16:42	VN013025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	5.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	5.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	5.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.50	U	0.56	0.50	5.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	5.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	25.0	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	5.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	5.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	5.00	ug/L
110-82-7	Cyclohexane	3.80	U	1.60	3.80	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.50	U	0.25	0.50	5.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	5.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.75	U	0.19	0.75	5.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	5.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.75	U	0.24	0.75	5.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	5.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	5.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	25.0	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	5.00	ug/L

Raw Data: **VN085583.D**

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Report of Analysis

Client:	Weston Solutions	Date Collected:	01/28/25
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	01/29/25
Client Sample ID:	TAPHHA-MW01-012825-00-T4	SDG No.:	Q1211
Lab Sample ID:	Q1211-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085583.D	1		01/30/25 16:42	VN013025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	5.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	25.0	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	5.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	5.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	5.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	5.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	5.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	10.0	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	5.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	5.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	5.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	2.00	U	0.46	2.00	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.50	U	0.51	0.50	5.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	57.5		81 - 118		115%	SPK: 50
1868-53-7	Dibromofluoromethane	54.0		80 - 119		108%	SPK: 50
2037-26-5	Toluene-d8	49.6		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.2		85 - 114		88%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	161000	8.224				
540-36-3	1,4-Difluorobenzene	307000	9.1				
3114-55-4	Chlorobenzene-d5	272000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	106000	13.788				

Raw Data: **VN085583.D**

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Weston Solutions	Date Collected:	01/28/25
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	01/29/25
Client Sample ID:	TAPHHA-MW01-012825-00-T4	SDG No.:	Q1211
Lab Sample ID:	Q1211-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085583.D	1		01/30/25 16:42	VN013025

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: **VN085583.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013025\
Data File : VN085583.D
Acq On : 30 Jan 2025 16:42
Operator : JC\MD
Sample : Q1211-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TPHHA-MW01-012825-00-T4

Quant Time: Jan 31 02:37:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	161216	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	307158	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	271574	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	106487	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	149682	57.518	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.040%			
35) Dibromofluoromethane	8.165	113	115050	53.991	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.980%			
50) Toluene-d8	10.565	98	375322	49.573	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.140%			
62) 4-Bromofluorobenzene	12.847	95	114559	44.233	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 88.460%			

Target Compounds Qvalue

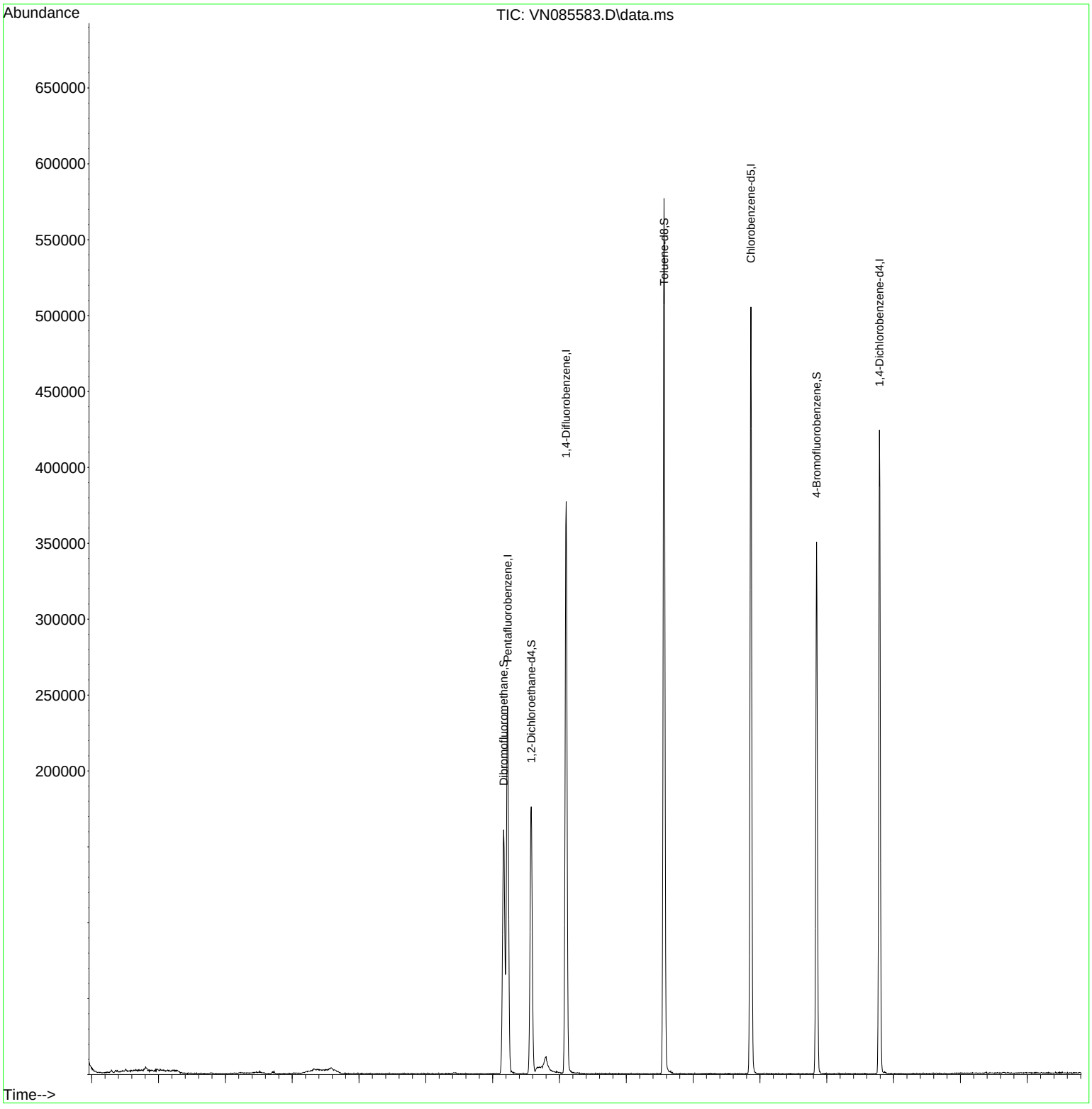
(#) = qualifier out of range (m) = manual integration (+) = signals summed

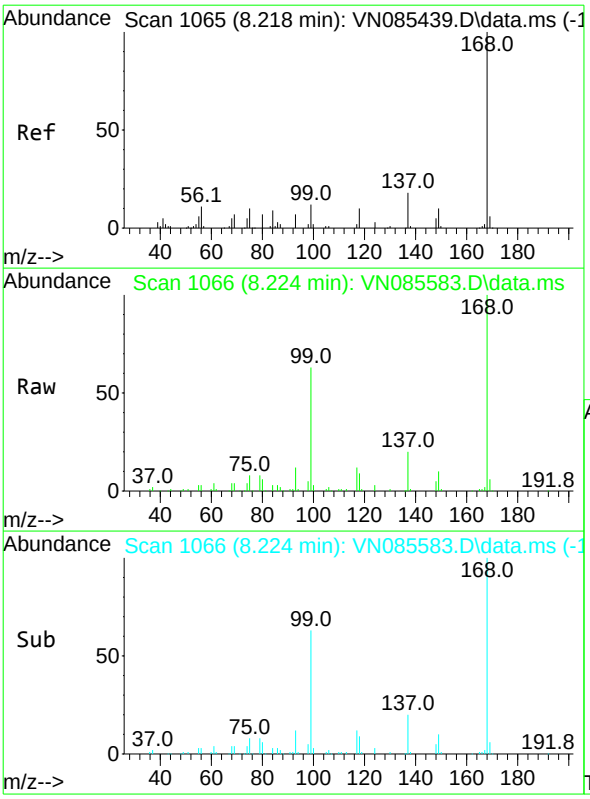
Sample Results: **VN085583.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013025\
Data File : VN085583.D
Acq On : 30 Jan 2025 16:42
Operator : JC\MD
Sample : Q1211-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TPHHA-MW01-012825-00-T4

Quant Time: Jan 31 02:37:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration



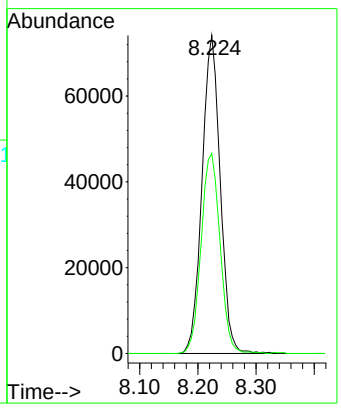


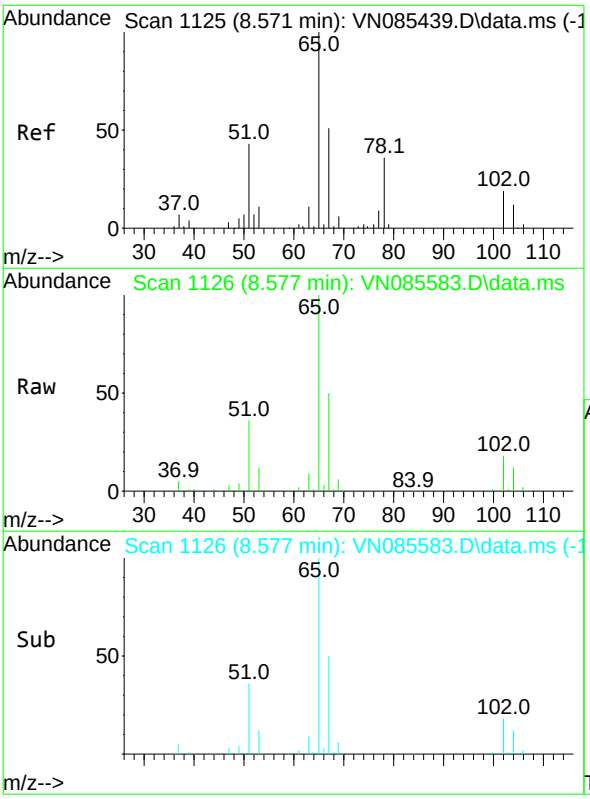
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085583.D
Acq: 30 Jan 2025 16:42

Instrument :
MSVOA_N
ClientSampleId :
TPHHA-MW01-012825-00-T4

Tgt Ion:168 Resp: 161216

Ion	Ratio	Lower	Upper
168	100		
99	62.9	53.6	80.4

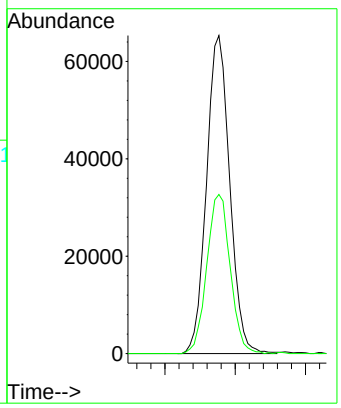


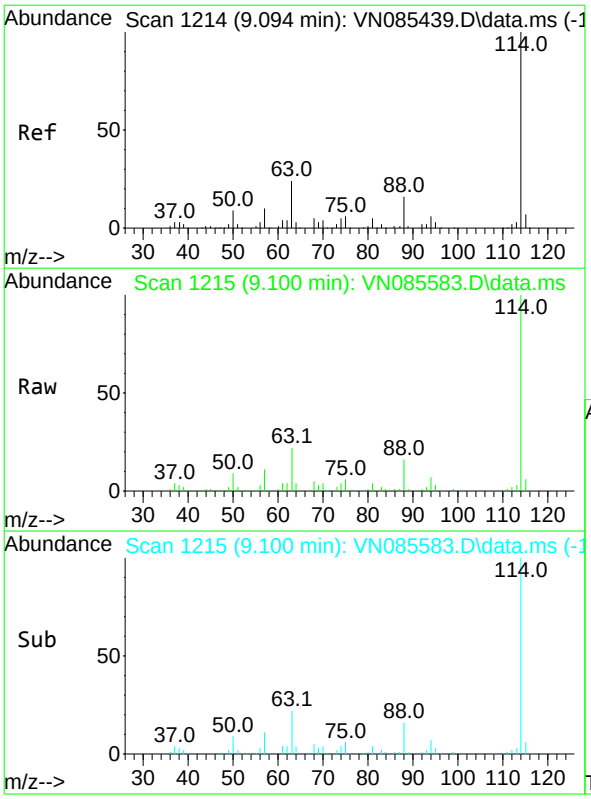


#33
1,2-Dichloroethane-d4
Concen: 57.518 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085583.D
Acq: 30 Jan 2025 16:42

Tgt Ion: 65 Resp: 149682

Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	101.6



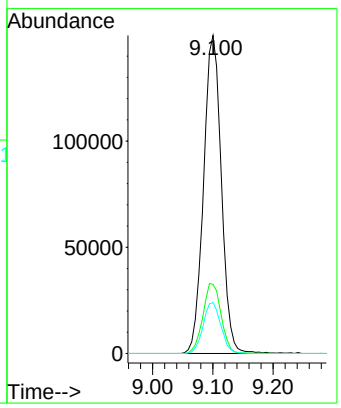


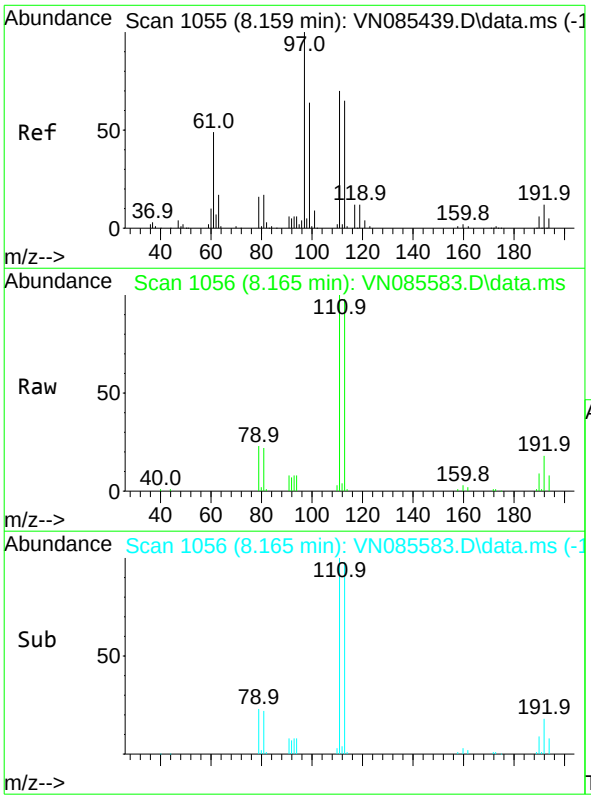
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.006 min
Lab File: VN085583.D
Acq: 30 Jan 2025 16:42

Instrument :
MSVOA_N
ClientSampleId :
TPHHA-MW01-012825-00-T4

Tgt Ion:114 Resp: 307158

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	47.6
88	16.0	0.0	32.6

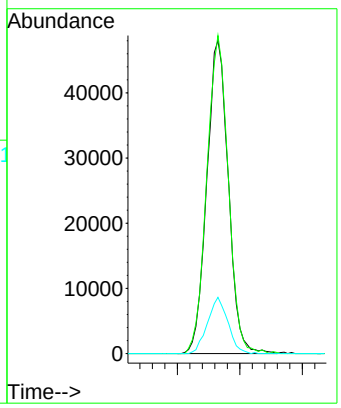


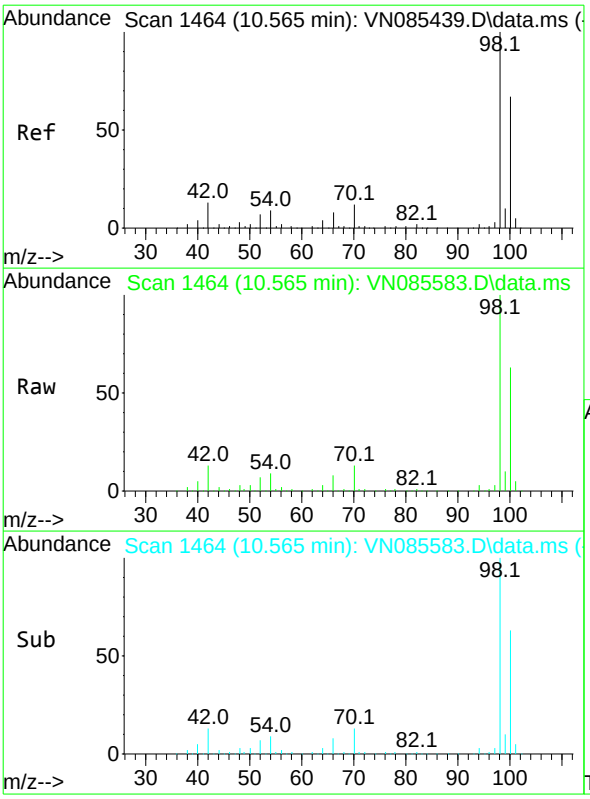


#35
Dibromofluoromethane
Concen: 53.991 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085583.D
Acq: 30 Jan 2025 16:42

Tgt Ion:113 Resp: 115050

Ion	Ratio	Lower	Upper
113	100		
111	101.2	82.7	124.1
192	17.0	14.3	21.5



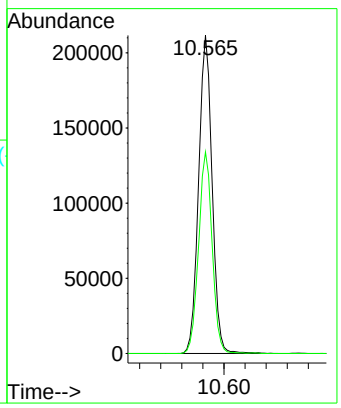


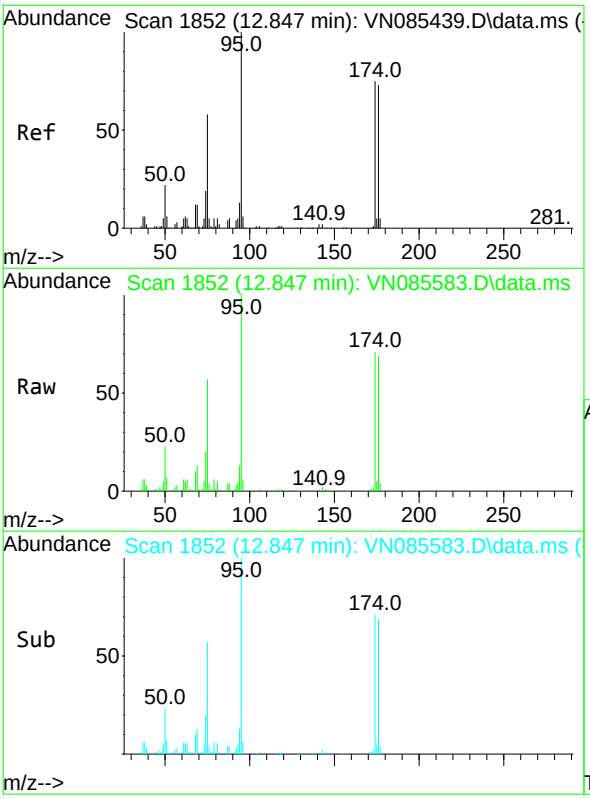
#50
Toluene-d8
Concen: 49.573 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085583.D
Acq: 30 Jan 2025 16:42

Instrument :
MSVOA_N
ClientSampleId :
TPHHA-MW01-012825-00-T4

Tgt Ion: 98 Resp: 375322

Ion	Ratio	Lower	Upper
98	100		
100	63.7	52.2	78.4

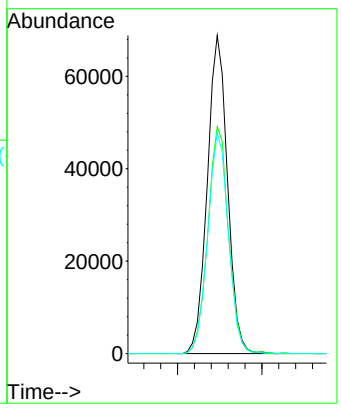


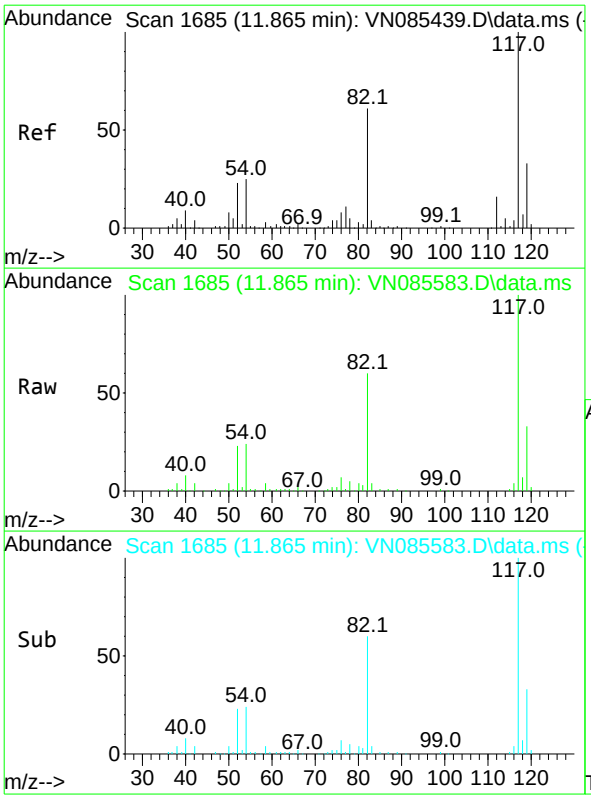


#62
4-Bromofluorobenzene
Concen: 44.233 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085583.D
Acq: 30 Jan 2025 16:42

Tgt Ion: 95 Resp: 114559

Ion	Ratio	Lower	Upper
95	100		
174	73.0	0.0	145.0
176	70.9	0.0	142.4



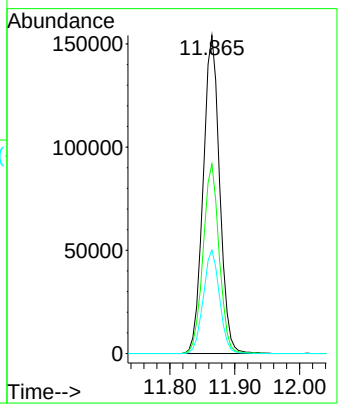


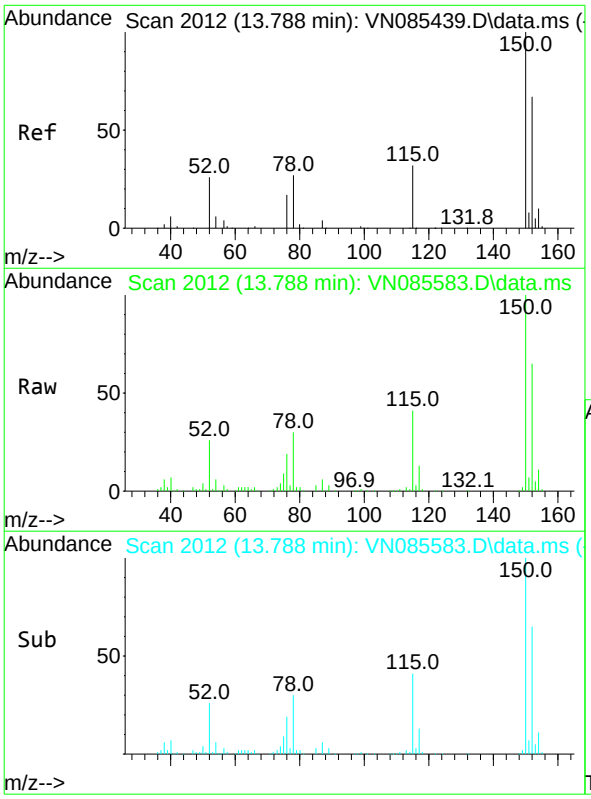
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085583.D
Acq: 30 Jan 2025 16:42

Instrument :
MSVOA_N
ClientSampleId :
TPHHA-MW01-012825-00-T4

Tgt Ion:117 Resp: 271574

Ion	Ratio	Lower	Upper
117	100		
82	59.6	48.6	72.8
119	32.5	26.6	39.8

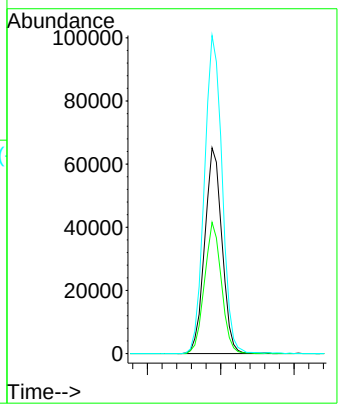




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085583.D
Acq: 30 Jan 2025 16:42

Tgt Ion:152 Resp: 106487

Ion	Ratio	Lower	Upper
152	100		
115	62.4	31.1	93.3
150	158.3	0.0	343.6



Sample Results: **VN085583.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013025\
Data File : VN085583.D
Acq On : 30 Jan 2025 16:42
Operator : JC\MD
Sample : Q1211-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TPHHA-MW01-012825-00-T4

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Title : SW846 8260

Signal : TIC: VN085583.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.165	1046	1056	1060	rBV	160679	374072	36.31%	7.035%
2	8.224	1060	1066	1075	rVB	240988	541829	52.60%	10.191%
3	8.577	1116	1126	1136	rBV	175845	401495	38.97%	7.551%
4	8.800	1154	1164	1175	rVB3	9057	32816	3.19%	0.617%
5	9.100	1206	1215	1227	rBV	376473	771585	74.90%	14.512%
6	10.565	1456	1464	1477	rBV	576707	1030188	100.00%	19.376%
7	11.865	1677	1685	1696	rBV	505081	883550	85.77%	16.618%
8	12.847	1845	1852	1860	rBV	350356	585476	56.83%	11.012%
9	13.788	2005	2012	2022	rBV	424066	695923	67.55%	13.089%

Sum of corrected areas: 5316934

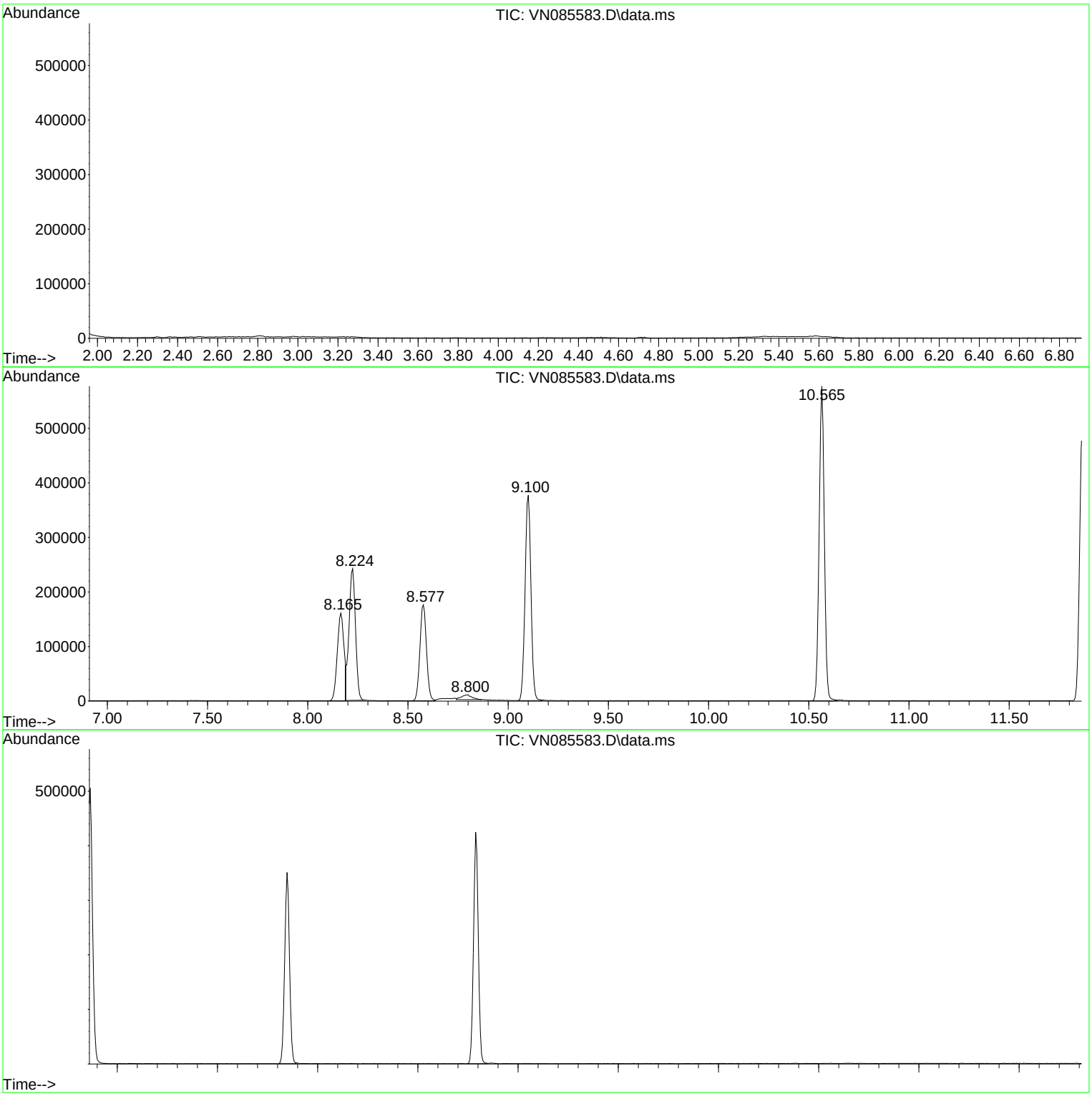
Sample Results: **VN085583.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013025\
Data File : VN085583.D
Acq On : 30 Jan 2025 16:42
Operator : JC\MD
Sample : Q1211-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TPHHA-MW01-012825-00-T4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VN085583.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013025\
Data File : VN085583.D
Acq On : 30 Jan 2025 16:42
Operator : JC\MD
Sample : Q1211-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TPHHA-MW01-012825-00-T4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013025\
Data File : VN085583.D
Acq On : 30 Jan 2025 16:42
Operator : JC\MD
Sample : Q1211-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TPHHA-MW01-012825-00-T4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

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

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

Raw Data: **VN085595.D**

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

Report of Analysis

Client:	Weston Solutions	Date Collected:	01/28/25
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	01/29/25
Client Sample ID:	TAPIAL2-MW03-012825-00-T3RE	SDG No.:	Q1211
Lab Sample ID:	Q1211-02RE	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085595.D	1		01/31/25 12:03	VN013125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	5.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	5.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	5.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.50	U	0.56	0.50	5.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	5.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	25.0	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	5.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	5.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	5.00	ug/L
110-82-7	Cyclohexane	3.80	U	1.60	3.80	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.50	U	0.25	0.50	5.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	5.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.75	U	0.19	0.75	5.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	5.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.75	U	0.24	0.75	5.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	5.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	5.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	25.0	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	5.00	ug/L

Raw Data: **VN085595.D**

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

Report of Analysis

Client:	Weston Solutions	Date Collected:	01/28/25
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	01/29/25
Client Sample ID:	TAPIAL2-MW03-012825-00-T3RE	SDG No.:	Q1211
Lab Sample ID:	Q1211-02RE	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085595.D	1		01/31/25 12:03	VN013125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	5.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	25.0	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	5.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	5.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	5.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	5.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	5.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	10.0	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	5.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	5.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	5.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	2.00	U	0.46	2.00	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.50	U	0.51	0.50	5.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	56.7		81 - 118		113%	SPK: 50
1868-53-7	Dibromofluoromethane	52.8		80 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	49.2		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.8		85 - 114		92%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	166000	8.224				
540-36-3	1,4-Difluorobenzene	310000	9.1				
3114-55-4	Chlorobenzene-d5	268000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	102000	13.788				

Raw Data: **VN085595.D**

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

Report of Analysis

Client:	Weston Solutions	Date Collected:	01/28/25
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	01/29/25
Client Sample ID:	TAPIAL2-MW03-012825-00-T3RE	SDG No.:	Q1211
Lab Sample ID:	Q1211-02RE	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085595.D	1		01/31/25 12:03	VN013125

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_N\Data\VN013125\
Data File : VN085595.D
Acq On : 31 Jan 2025 12:03
Operator : JC\MD
Sample : Q1211-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TAPIAL2-MW03-012825-00-T3

Quant Time: Jan 31 22:26:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

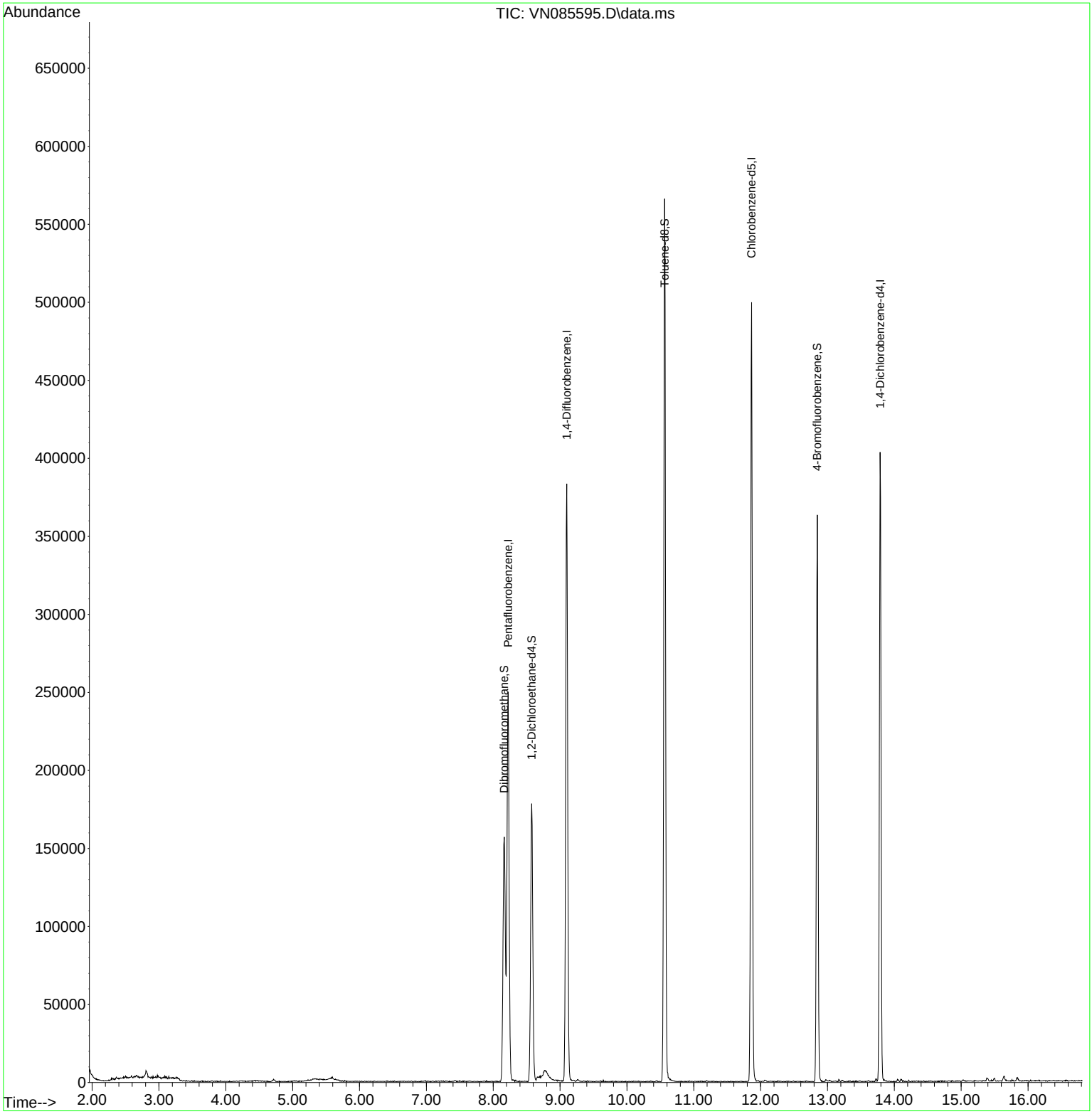
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	165654	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	310451	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	268445	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	102272	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	151665	56.718	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.440%			
35) Dibromofluoromethane	8.165	113	113642	52.764	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.520%			
50) Toluene-d8	10.565	98	376541	49.206	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.420%			
62) 4-Bromofluorobenzene	12.847	95	119830	45.778	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 91.560%			
Target Compounds						Qvalue

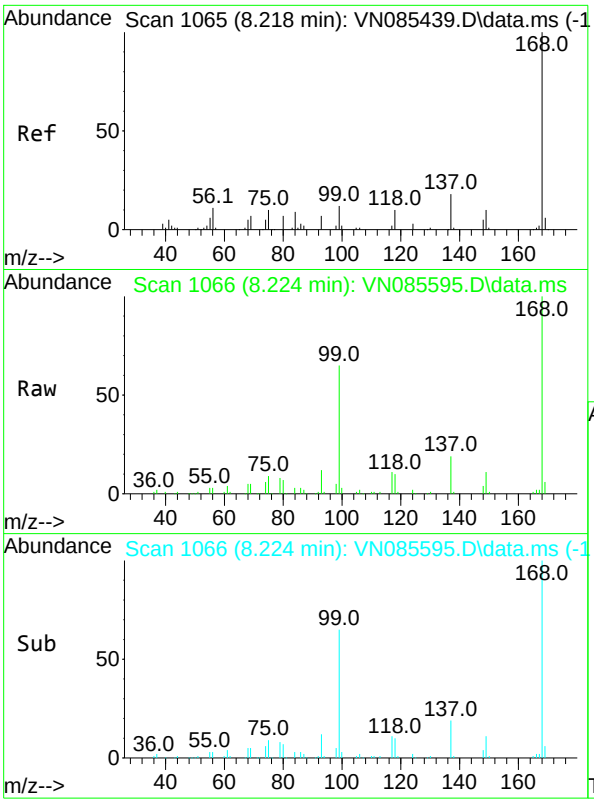
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013125\
Data File : VN085595.D
Acq On : 31 Jan 2025 12:03
Operator : JC\MD
Sample : Q1211-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TAPIAL2-MW03-012825-00-T3

Quant Time: Jan 31 22:26:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration



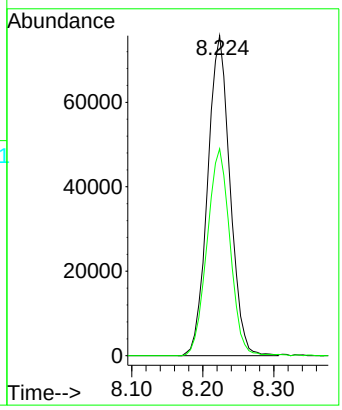


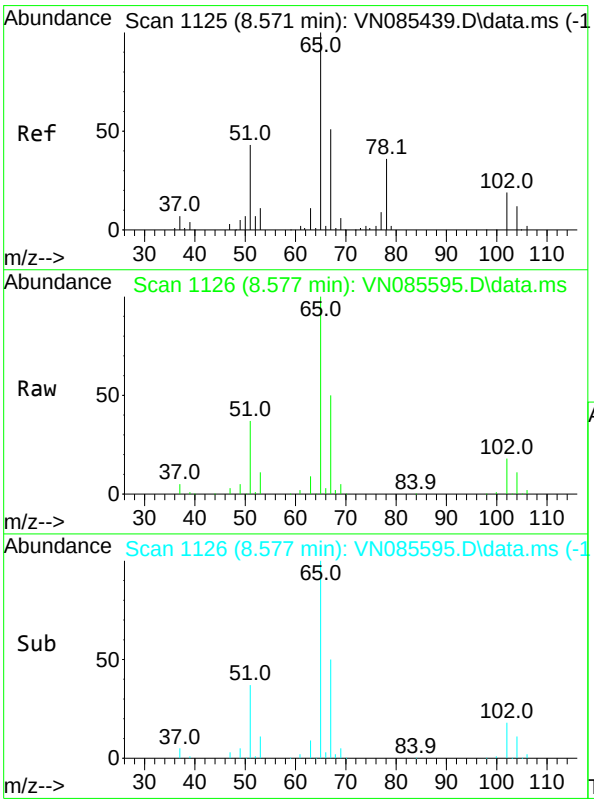
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085595.D
Acq: 31 Jan 2025 12:03

Instrument :
MSVOA_N
ClientSampleId :
TAPIAL2-MW03-012825-00-T3

Tgt Ion:168 Resp: 165654

Ion	Ratio	Lower	Upper
168	100		
99	64.6	53.6	80.4

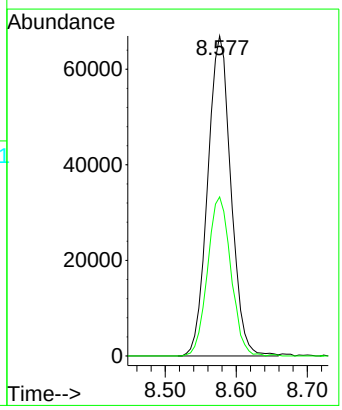


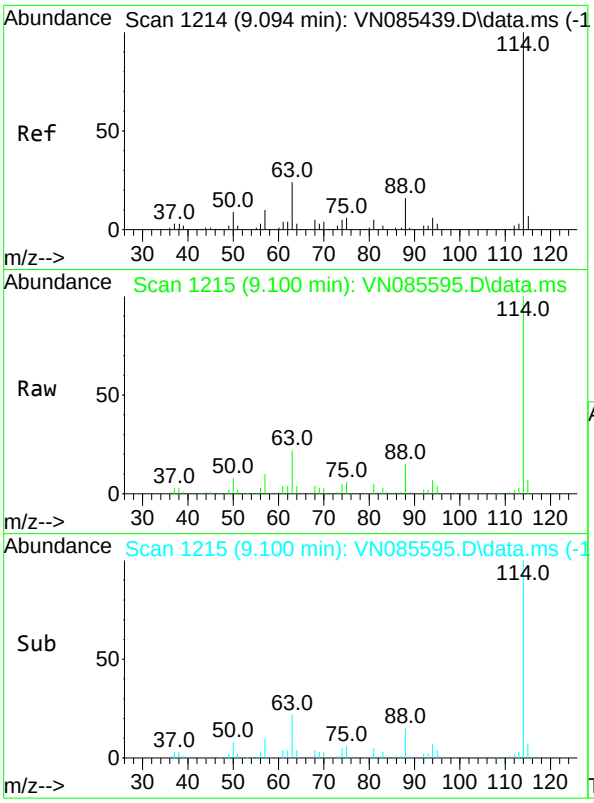


#33
1,2-Dichloroethane-d4
Concen: 56.718 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085595.D
Acq: 31 Jan 2025 12:03

Tgt Ion: 65 Resp: 151665

Ion	Ratio	Lower	Upper
65	100		
67	49.9	0.0	101.6



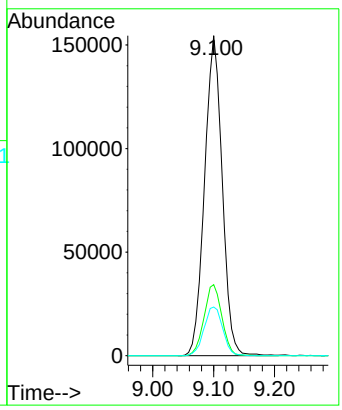


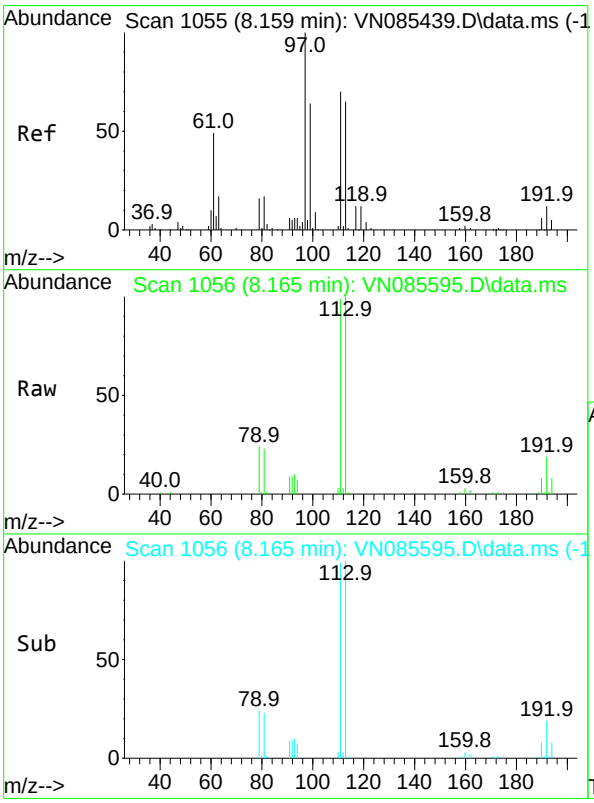
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085595.D
Acq: 31 Jan 2025 12:03

Instrument :
MSVOA_N
ClientSampleId :
TAPIAL2-MW03-012825-00-T3

Tgt Ion:114 Resp: 310451

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	47.6
88	15.2	0.0	32.6

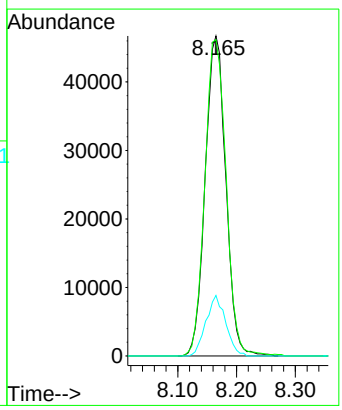


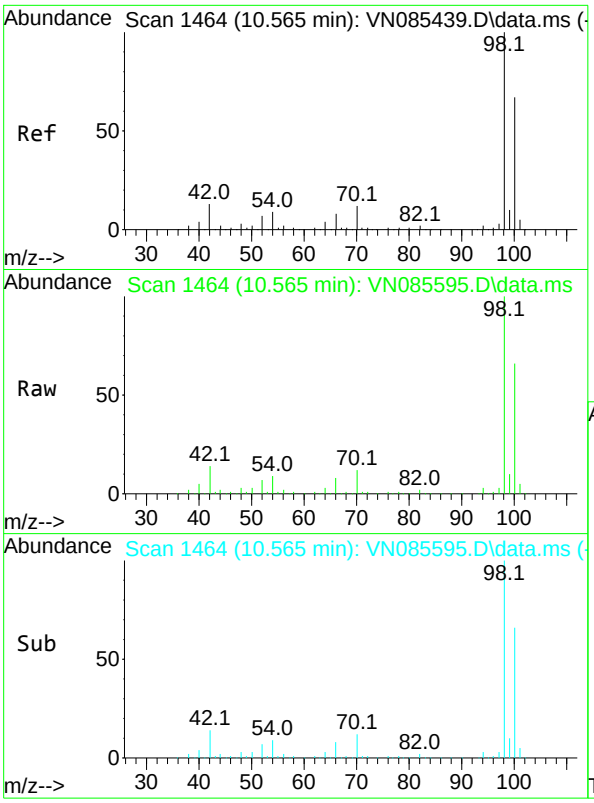


#35
Dibromofluoromethane
Concen: 52.764 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085595.D
Acq: 31 Jan 2025 12:03

Tgt Ion:113 Resp: 113642

Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.7	124.1
192	18.1	14.3	21.5



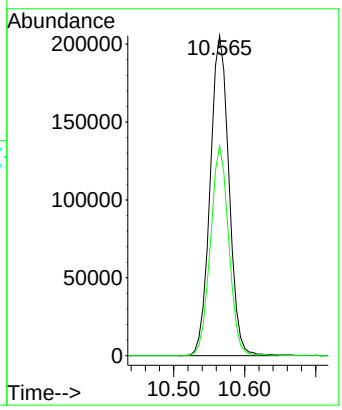


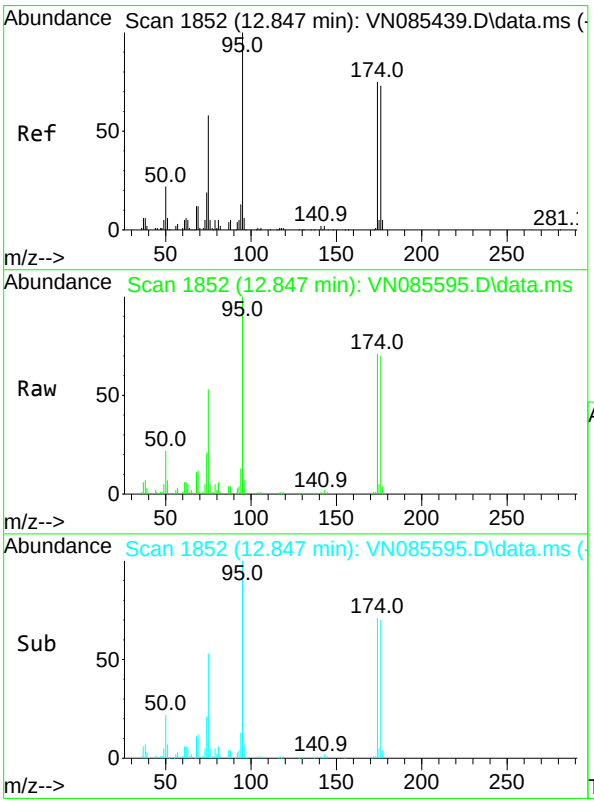
#50
Toluene-d8
Concen: 49.206 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085595.D
Acq: 31 Jan 2025 12:03

Instrument :
MSVOA_N
ClientSampleId :
TAPIAL2-MW03-012825-00-T3

Tgt Ion: 98 Resp: 376541

Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.2	78.4

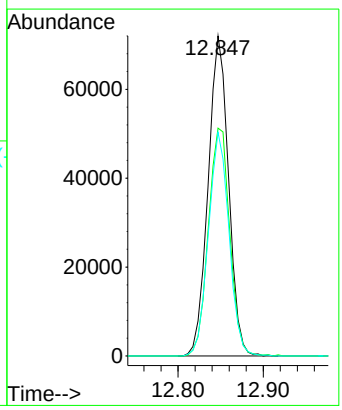


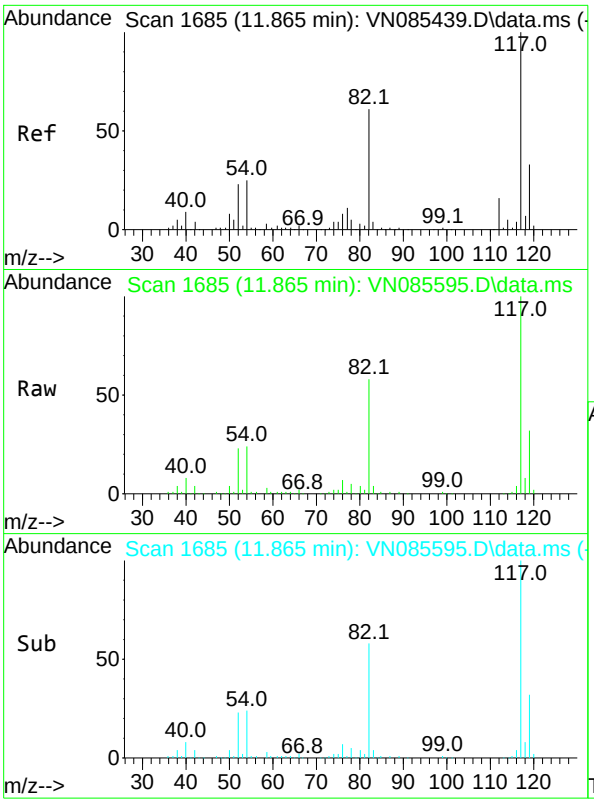


#62
4-Bromofluorobenzene
Concen: 45.778 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085595.D
Acq: 31 Jan 2025 12:03

Tgt Ion: 95 Resp: 119830

Ion	Ratio	Lower	Upper
95	100		
174	74.9	0.0	145.0
176	70.3	0.0	142.4



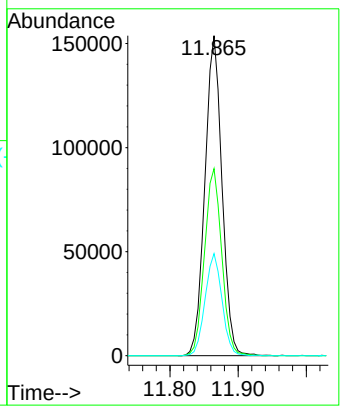


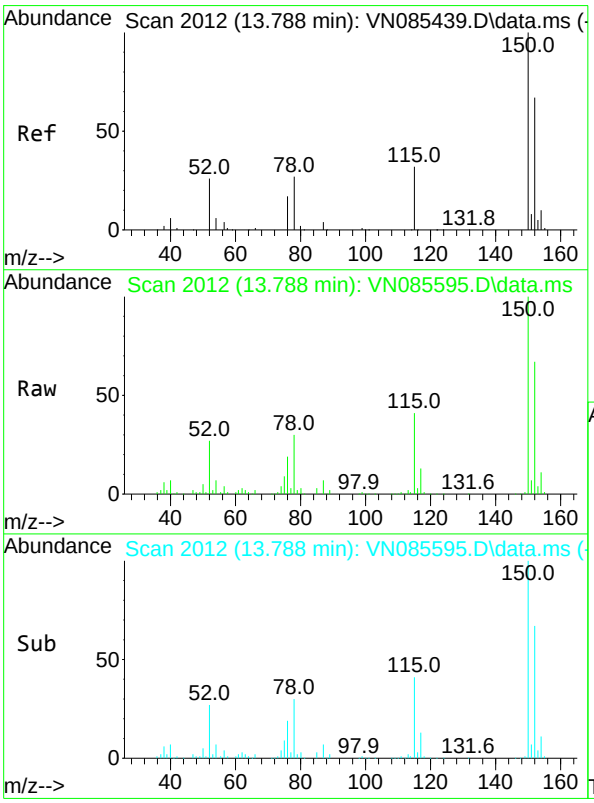
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085595.D
Acq: 31 Jan 2025 12:03

Instrument :
MSVOA_N
ClientSampleId :
TAPIAL2-MW03-012825-00-T3

Tgt Ion:117 Resp: 268445

Ion	Ratio	Lower	Upper
117	100		
82	58.4	48.6	72.8
119	31.9	26.6	39.8

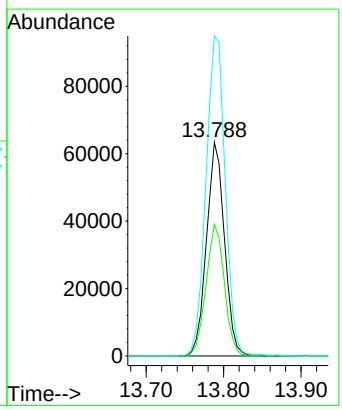




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085595.D
Acq: 31 Jan 2025 12:03

Tgt Ion:152 Resp: 102272

Ion	Ratio	Lower	Upper
152	100		
115	62.8	31.1	93.3
150	160.3	0.0	343.6



Raw Data: **VN085584.D**

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

Report of Analysis

Client:	Weston Solutions	Date Collected:	01/28/25
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	01/29/25
Client Sample ID:	TAPIAL2-MW03-012825-00-T3	SDG No.:	Q1211
Lab Sample ID:	Q1211-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085584.D	1		01/30/25 17:06	VN013025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	5.00	ug/L
74-87-3	Chloromethane	0.49	J	0.35	0.50	5.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	5.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.50	U	0.56	0.50	5.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	5.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	25.0	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	5.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	5.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	5.00	ug/L
110-82-7	Cyclohexane	3.80	U	1.60	3.80	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.50	U	0.25	0.50	5.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	5.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.75	U	0.19	0.75	5.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	5.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.75	U	0.24	0.75	5.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	5.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	5.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	25.0	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	5.00	ug/L

Raw Data: **VN085584.D**

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

Report of Analysis

Client:	Weston Solutions	Date Collected:	01/28/25
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	01/29/25
Client Sample ID:	TAPIAL2-MW03-012825-00-T3	SDG No.:	Q1211
Lab Sample ID:	Q1211-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085584.D	1		01/30/25 17:06	VN013025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	5.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	25.0	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	5.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	5.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	5.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	5.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	5.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	10.0	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	5.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	5.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	5.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	2.00	U	0.46	2.00	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.50	U	0.51	0.50	5.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.5		81 - 118		111%	SPK: 50
1868-53-7	Dibromofluoromethane	52.1		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	49.2		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.4	*	85 - 114		83%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	173000	8.224				
540-36-3	1,4-Difluorobenzene	322000	9.1				
3114-55-4	Chlorobenzene-d5	276000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	104000	13.794				

Raw Data: **VN085584.D**

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

Report of Analysis

Client:	Weston Solutions	Date Collected:	01/28/25
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	01/29/25
Client Sample ID:	TAPIAL2-MW03-012825-00-T3	SDG No.:	Q1211
Lab Sample ID:	Q1211-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085584.D	1		01/30/25 17:06	VN013025

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_N\Data\VN013025\
Data File : VN085584.D
Acq On : 30 Jan 2025 17:06
Operator : JC\MD
Sample : Q1211-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TAPIAL2-MW03-012825-00-T3

Quant Time: Jan 31 02:37:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

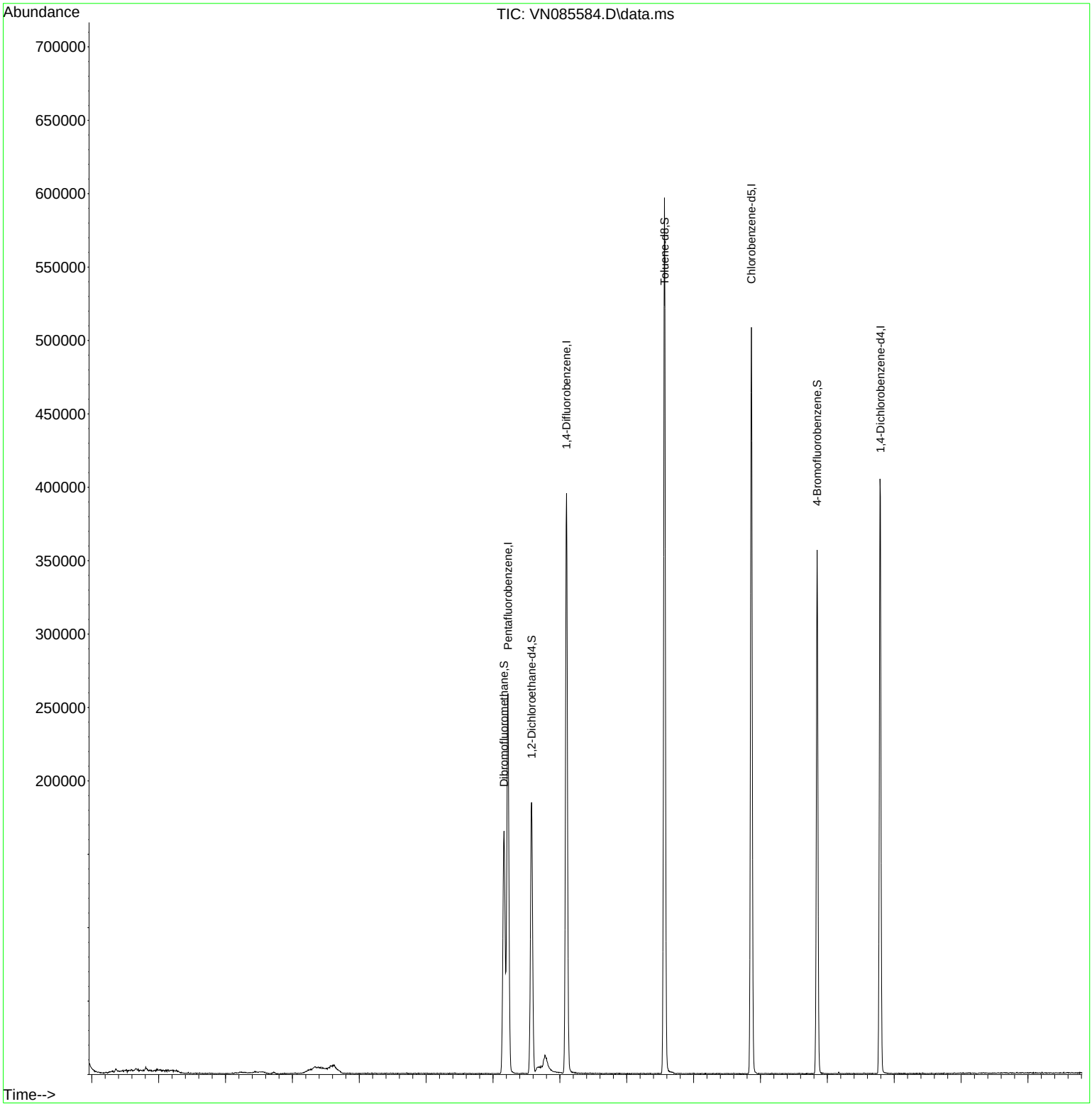
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	173262	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	322416	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	276202	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	104464	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	155111	55.460	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.920%			
35) Dibromofluoromethane	8.165	113	116507	52.087	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.180%			
50) Toluene-d8	10.565	98	390781	49.172	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.340%			
62) 4-Bromofluorobenzene	12.847	95	112668	41.444	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 82.880%			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	1248	0.491	ug/l	93

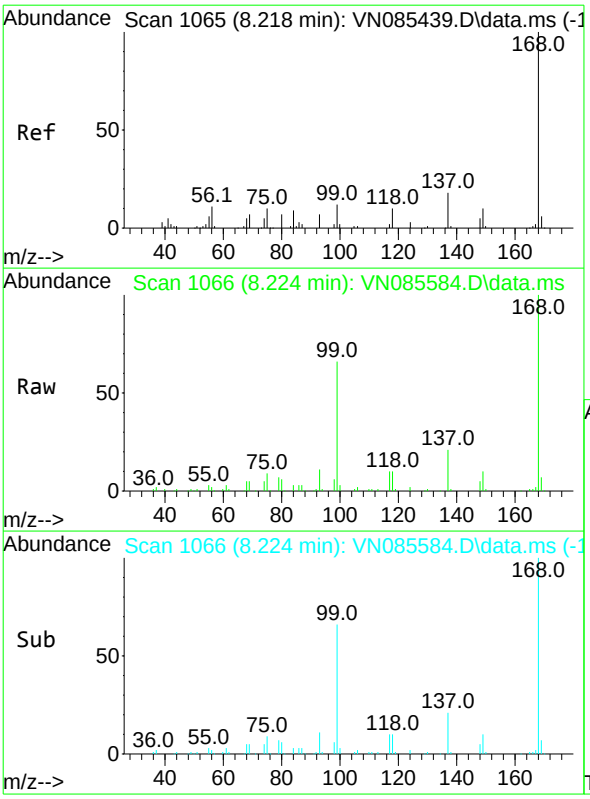
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013025\
Data File : VN085584.D
Acq On : 30 Jan 2025 17:06
Operator : JC\MD
Sample : Q1211-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TAPIAL2-MW03-012825-00-T3

Quant Time: Jan 31 02:37:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration



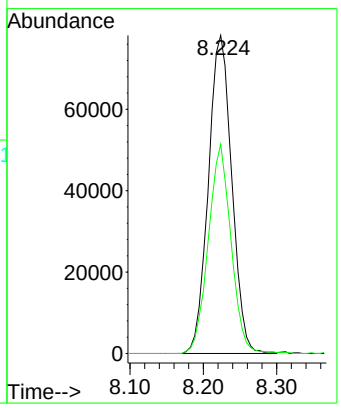


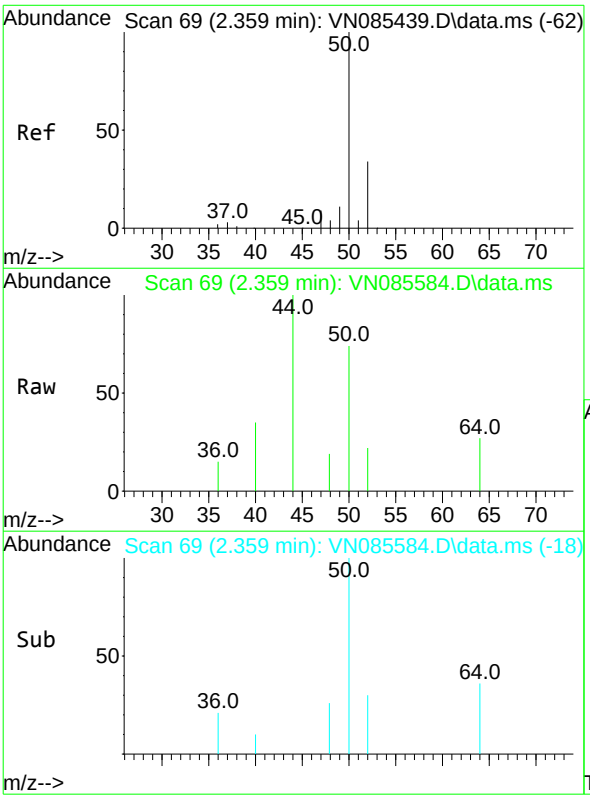
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085584.D
Acq: 30 Jan 2025 17:06

Instrument :
MSVOA_N
ClientSampleId :
TAPIAL2-MW03-012825-00-T3

Tgt Ion:168 Resp: 173262

Ion	Ratio	Lower	Upper
168	100		
99	65.8	53.6	80.4

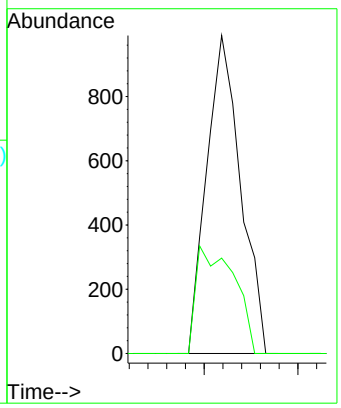


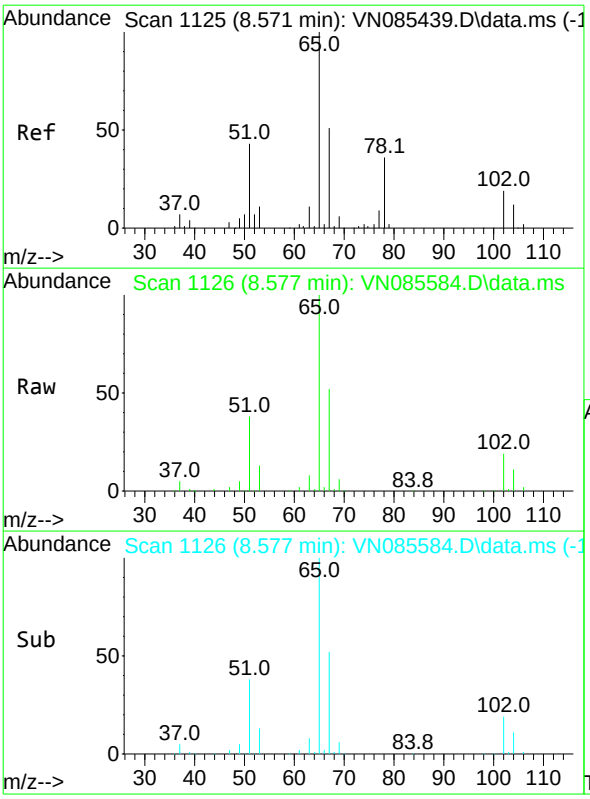


#3
Chloromethane
Concen: 0.491 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085584.D
Acq: 30 Jan 2025 17:06

Tgt Ion: 50 Resp: 1248

Ion	Ratio	Lower	Upper
50	100		
52	30.0	27.0	40.6



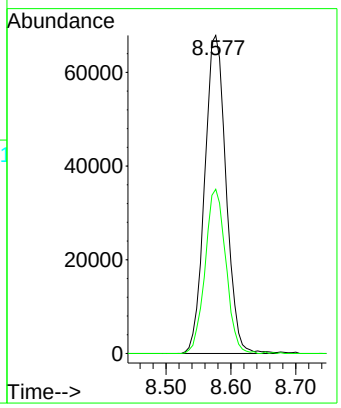


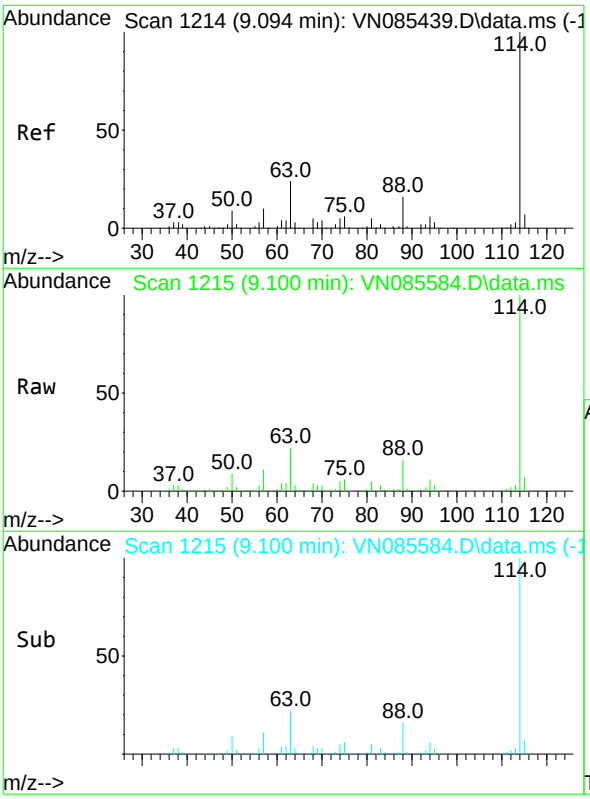
#33
1,2-Dichloroethane-d4
Concen: 55.460 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085584.D
Acq: 30 Jan 2025 17:06

Instrument :
MSVOA_N
ClientSampleId :
TAPIAL2-MW03-012825-00-T3

Tgt Ion: 65 Resp: 155111

Ion	Ratio	Lower	Upper
65	100		
67	50.2	0.0	101.6

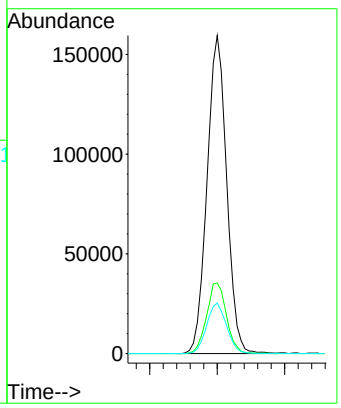


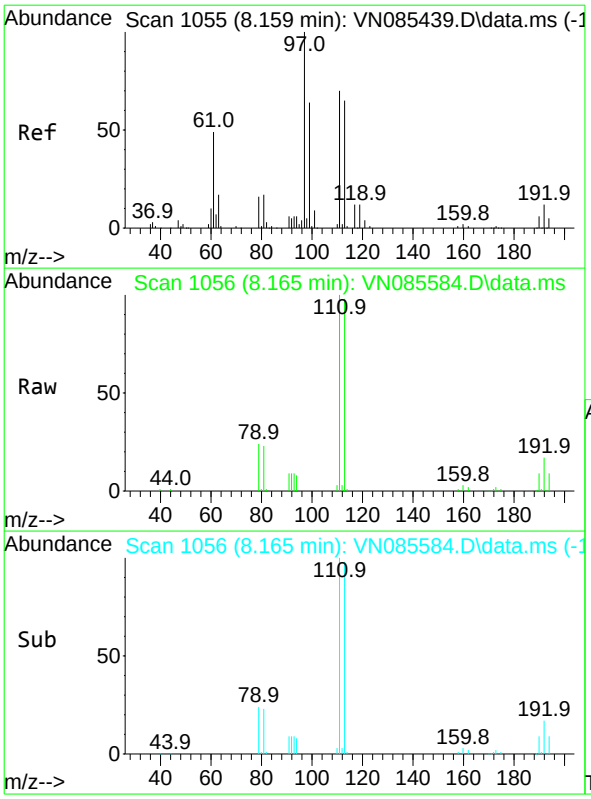


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085584.D
Acq: 30 Jan 2025 17:06

Tgt Ion:114 Resp: 322416

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	47.6
88	15.9	0.0	32.6



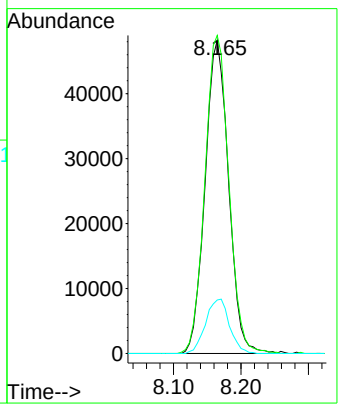


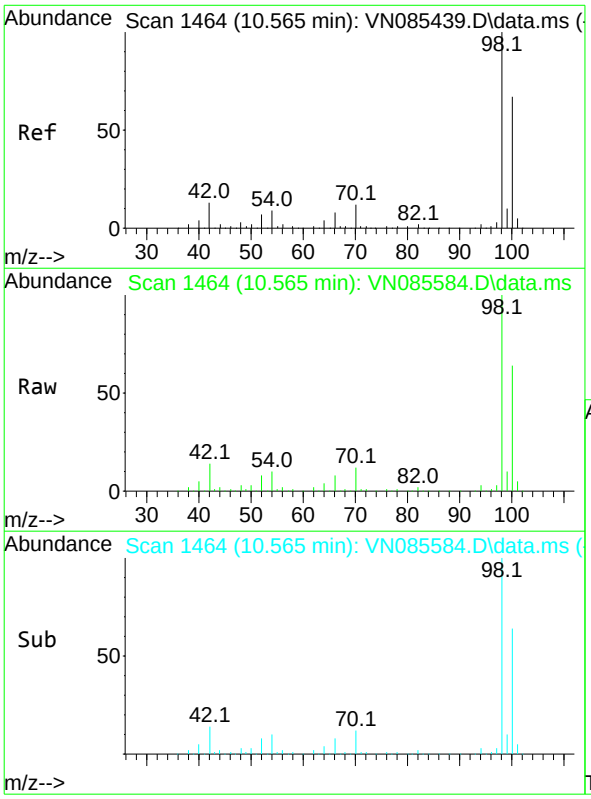
#35
Dibromofluoromethane
Concen: 52.087 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085584.D
Acq: 30 Jan 2025 17:06

Instrument :
MSVOA_N
ClientSampleId :
TAPIAL2-MW03-012825-00-T3

Tgt Ion:113 Resp: 116507

Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.7	124.1
192	17.6	14.3	21.5

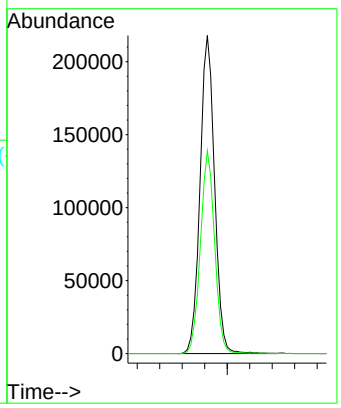


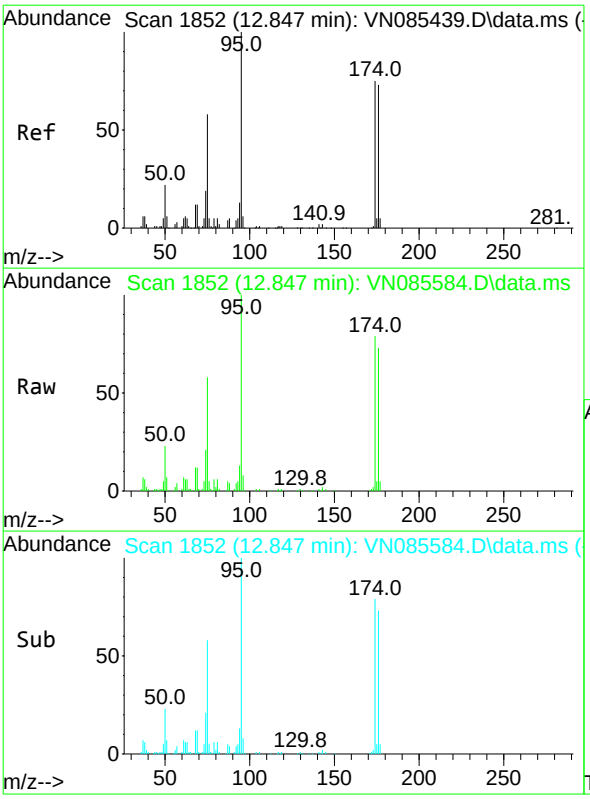


#50
Toluene-d8
Concen: 49.172 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085584.D
Acq: 30 Jan 2025 17:06

Tgt Ion: 98 Resp: 390781

Ion	Ratio	Lower	Upper
98	100		
100	62.4	52.2	78.4



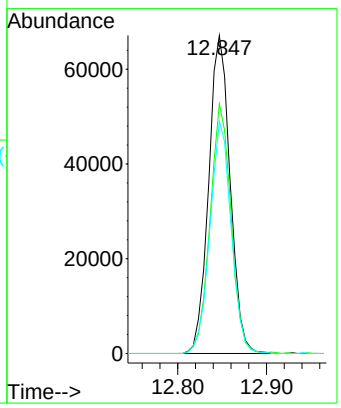


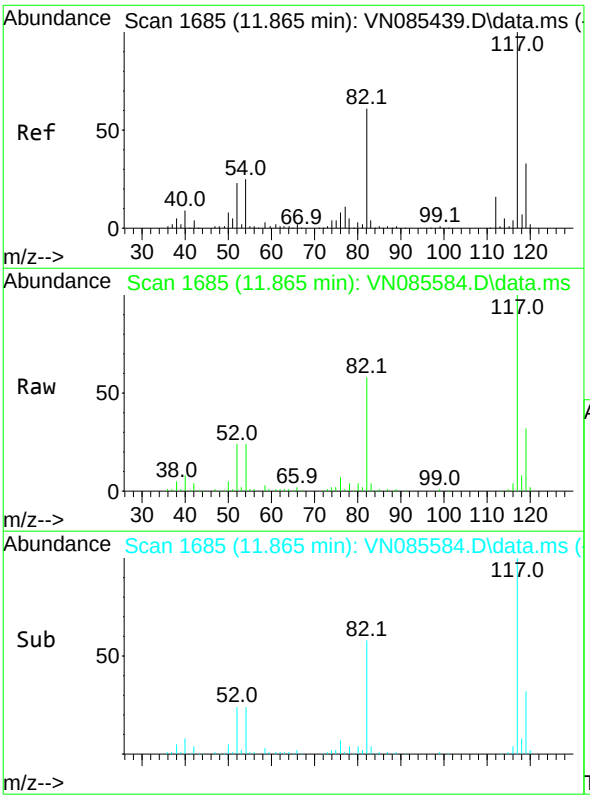
#62
4-Bromofluorobenzene
Concen: 41.444 ug/l
RT: 12.847 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085584.D
Acq: 30 Jan 2025 17:06

Instrument :
MSVOA_N
ClientSampleId :
TAPIAL2-MW03-012825-00-T3

Tgt Ion: 95 Resp: 112668

Ion	Ratio	Lower	Upper
95	100		
174	77.0	0.0	145.0
176	72.4	0.0	142.4

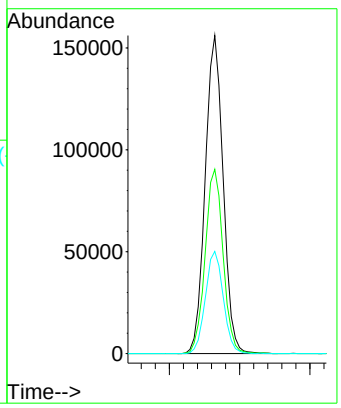


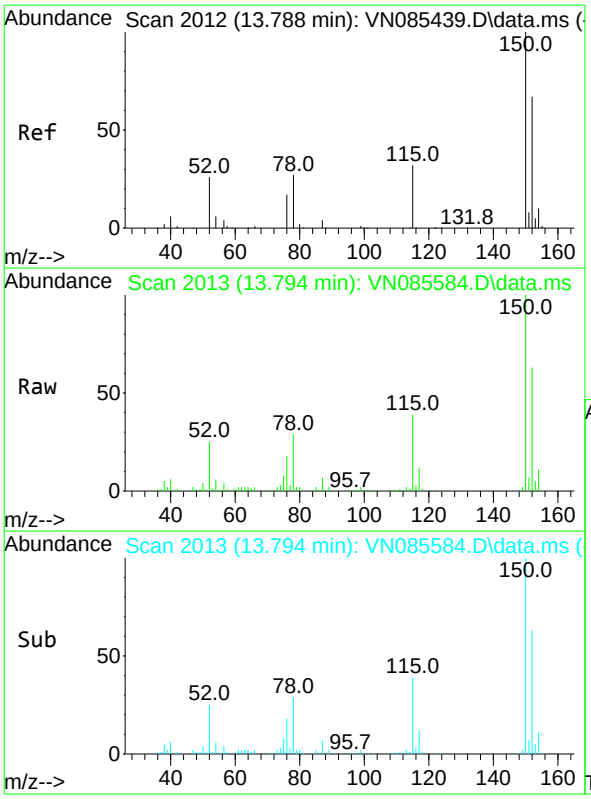


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN085584.D
Acq: 30 Jan 2025 17:06

Tgt Ion:117 Resp: 276202

Ion	Ratio	Lower	Upper
117	100		
82	57.9	48.6	72.8
119	32.1	26.6	39.8



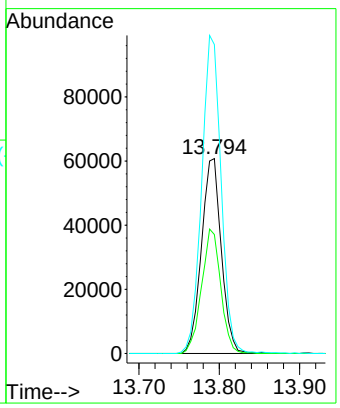


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN085584.D
Acq: 30 Jan 2025 17:06

Instrument :
MSVOA_N
ClientSampleId :
TAPIAL2-MW03-012825-00-T3

Tgt Ion:152 Resp: 104464

Ion	Ratio	Lower	Upper
152	100		
115	61.5	31.1	93.3
150	159.7	0.0	343.6



Sample Results: **VN085584.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013025\
Data File : VN085584.D
Acq On : 30 Jan 2025 17:06
Operator : JC\MD
Sample : Q1211-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TAPIAL2-MW03-012825-00-T3

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Title : SW846 8260

Signal : TIC: VN085584.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.165	1045	1056	1060	rBV2	165188	383781	36.09%	7.063%
2	8.224	1060	1066	1077	rVB	257936	575071	54.08%	10.584%
3	8.577	1116	1126	1135	rBV	184814	413503	38.89%	7.610%
4	8.777	1153	1160	1163	rBV2	8082	17865	1.68%	0.329%
5	9.100	1205	1215	1227	rBV	394978	808929	76.08%	14.888%
6	10.565	1456	1464	1479	rBV	596520	1063295	100.00%	19.570%
7	11.865	1677	1685	1695	rBV	508330	900864	84.72%	16.580%
8	12.847	1845	1852	1862	rBV	356540	586327	55.14%	10.791%
9	13.788	2005	2012	2026	rBV	404997	683692	64.30%	12.583%

Sum of corrected areas: 5433327

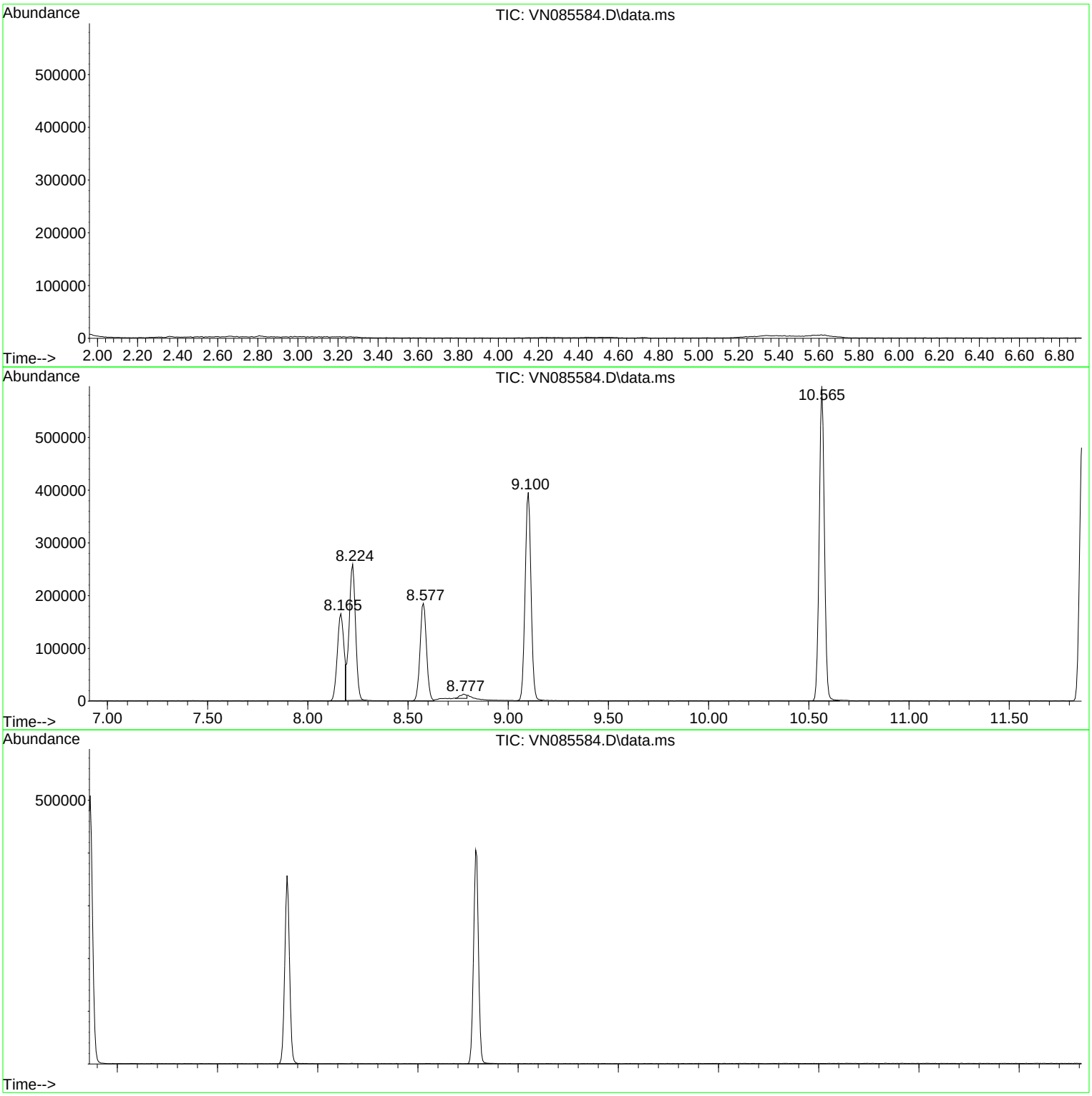
Sample Results: **VN085584.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013025\
Data File : VN085584.D
Acq On : 30 Jan 2025 17:06
Operator : JC\MD
Sample : Q1211-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TAPIAL2-MW03-012825-00-T3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

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



Sample Results: **VN085584.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013025\
Data File : VN085584.D
Acq On : 30 Jan 2025 17:06
Operator : JC\MD
Sample : Q1211-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TAPIAL2-MW03-012825-00-T3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013025\
Data File : VN085584.D
Acq On : 30 Jan 2025 17:06
Operator : JC\MD
Sample : Q1211-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TAPIAL2-MW03-012825-00-T3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

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

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

Raw Data: **VN085595.D**

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

Report of Analysis

Client:	Weston Solutions	Date Collected:	01/28/25
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	01/29/25
Client Sample ID:	TAPIAL2-MW03-012825-00-T3RE	SDG No.:	Q1211
Lab Sample ID:	Q1211-02RE	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085595.D	1		01/31/25 12:03	VN013125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	5.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	5.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	5.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.50	U	0.56	0.50	5.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	5.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	25.0	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	5.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	5.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	5.00	ug/L
110-82-7	Cyclohexane	3.80	U	1.60	3.80	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.50	U	0.25	0.50	5.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	5.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.75	U	0.19	0.75	5.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	5.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.75	U	0.24	0.75	5.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	5.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	5.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	25.0	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	5.00	ug/L

Raw Data: **VN085595.D**

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

Report of Analysis

Client:	Weston Solutions	Date Collected:	01/28/25
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	01/29/25
Client Sample ID:	TAPIAL2-MW03-012825-00-T3RE	SDG No.:	Q1211
Lab Sample ID:	Q1211-02RE	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085595.D	1		01/31/25 12:03	VN013125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	5.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	25.0	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	5.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	5.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	5.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	5.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	5.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	10.0	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	5.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	5.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	5.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	2.00	U	0.46	2.00	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.50	U	0.51	0.50	5.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	56.7		81 - 118		113%	SPK: 50
1868-53-7	Dibromofluoromethane	52.8		80 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	49.2		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.8		85 - 114		92%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	166000	8.224				
540-36-3	1,4-Difluorobenzene	310000	9.1				
3114-55-4	Chlorobenzene-d5	268000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	102000	13.788				

Raw Data: **VN085595.D**

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

Report of Analysis

Client:	Weston Solutions	Date Collected:	01/28/25
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	01/29/25
Client Sample ID:	TAPIAL2-MW03-012825-00-T3RE	SDG No.:	Q1211
Lab Sample ID:	Q1211-02RE	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085595.D	1		01/31/25 12:03	VN013125

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_N\Data\VN013125\
Data File : VN085595.D
Acq On : 31 Jan 2025 12:03
Operator : JC\MD
Sample : Q1211-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TAPIAL2-MW03-012825-00-T3

Quant Time: Jan 31 22:26:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

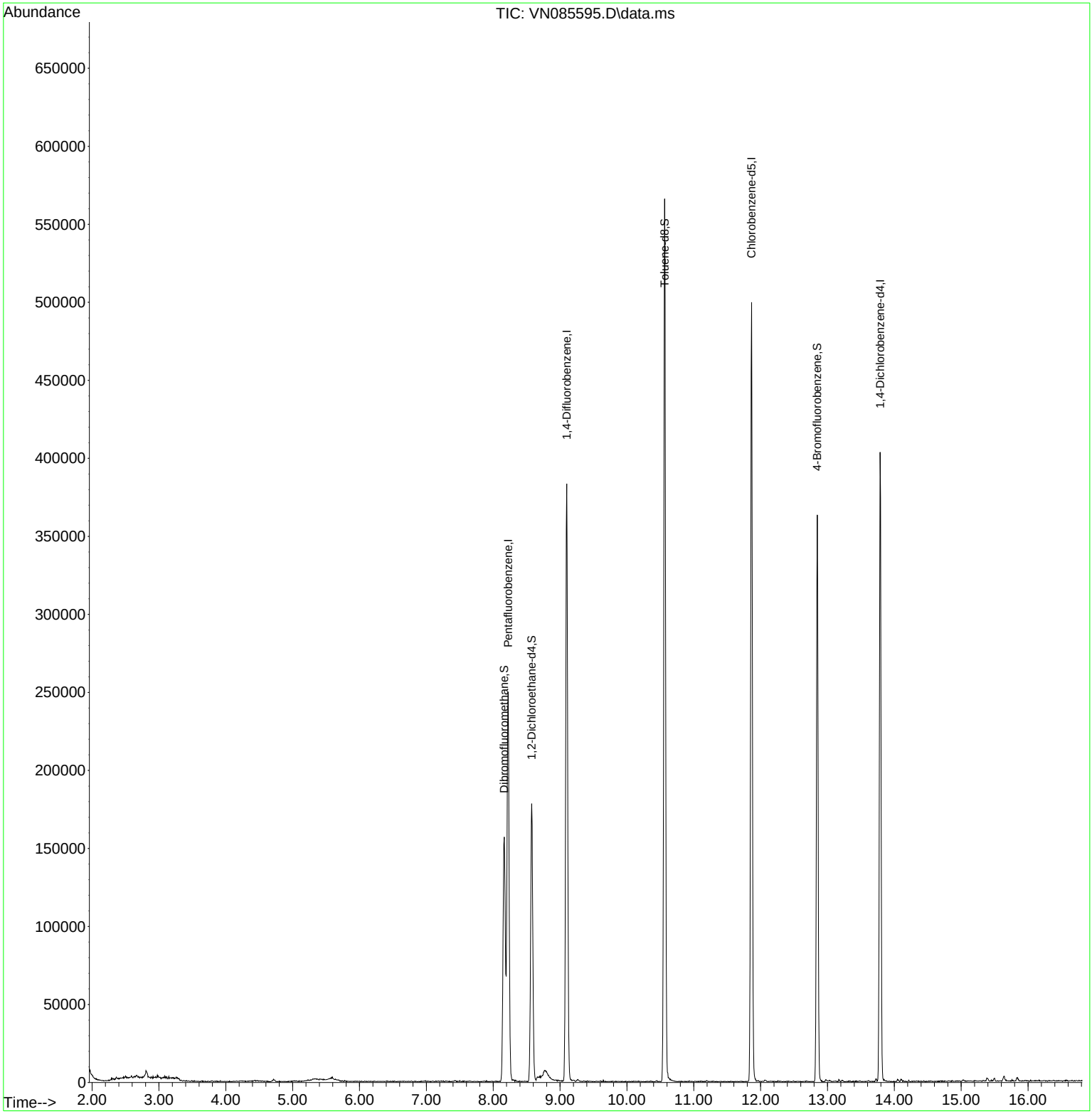
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	165654	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	310451	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	268445	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	102272	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	151665	56.718	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.440%			
35) Dibromofluoromethane	8.165	113	113642	52.764	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.520%			
50) Toluene-d8	10.565	98	376541	49.206	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.420%			
62) 4-Bromofluorobenzene	12.847	95	119830	45.778	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 91.560%			
Target Compounds						Qvalue

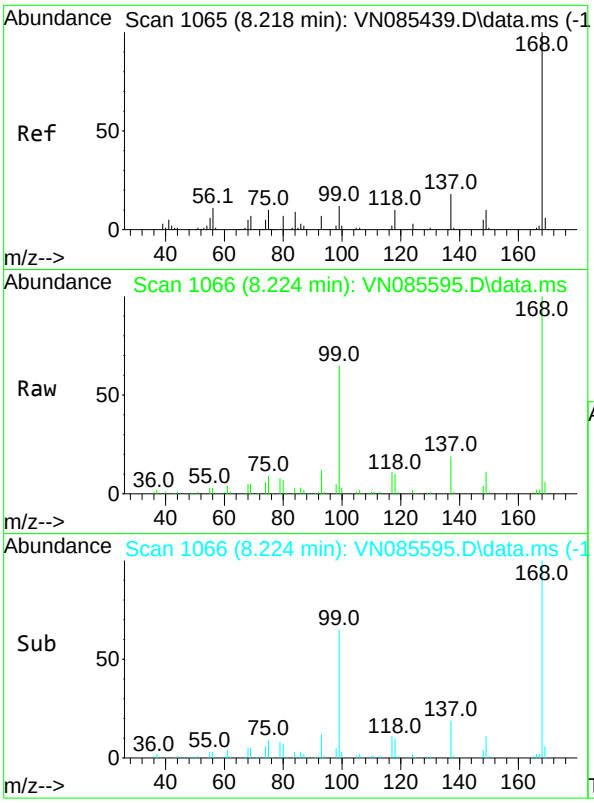
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013125\
Data File : VN085595.D
Acq On : 31 Jan 2025 12:03
Operator : JC\MD
Sample : Q1211-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TAPIAL2-MW03-012825-00-T3

Quant Time: Jan 31 22:26:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration



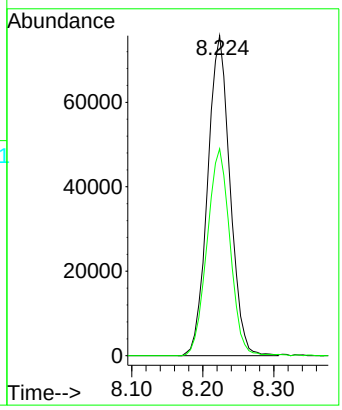


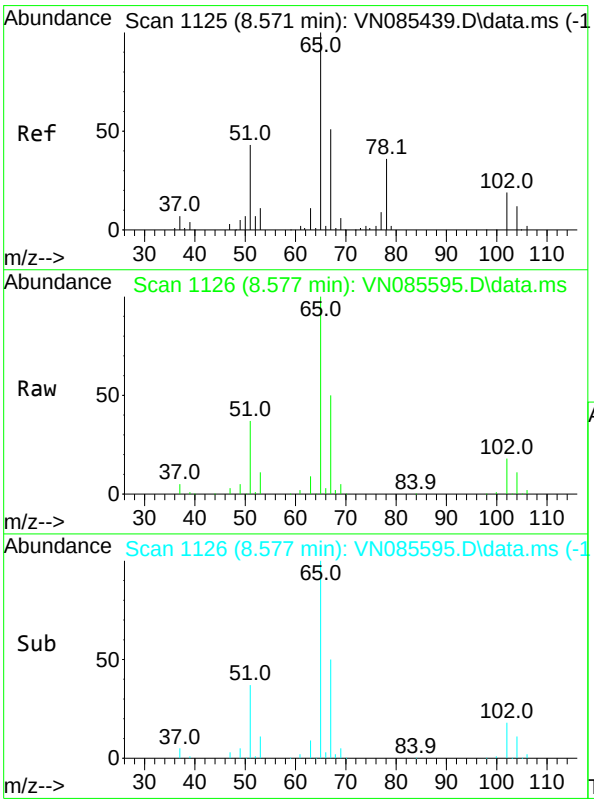
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085595.D
Acq: 31 Jan 2025 12:03

Instrument :
MSVOA_N
ClientSampleId :
TAPIAL2-MW03-012825-00-T3

Tgt Ion:168 Resp: 165654

Ion	Ratio	Lower	Upper
168	100		
99	64.6	53.6	80.4

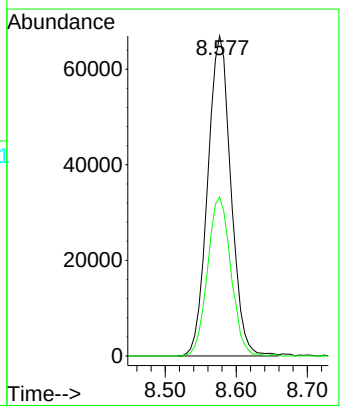


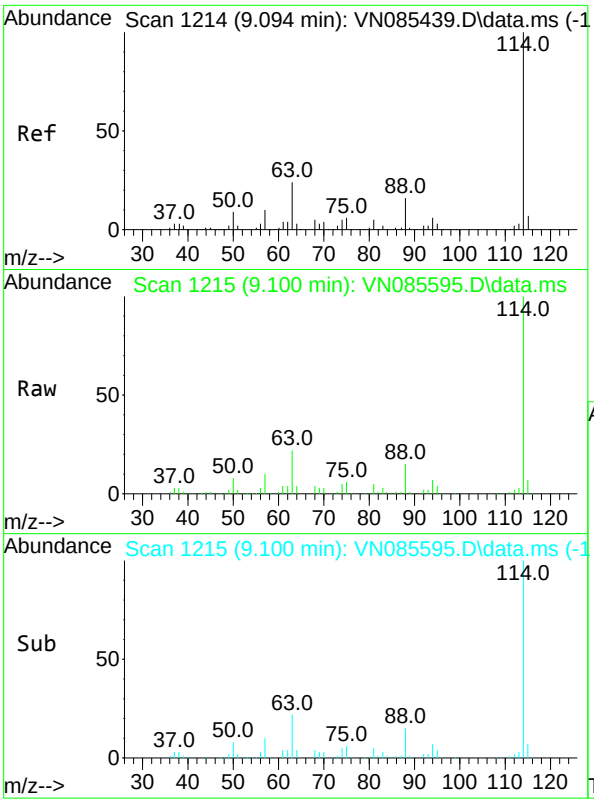


#33
1,2-Dichloroethane-d4
Concen: 56.718 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085595.D
Acq: 31 Jan 2025 12:03

Tgt Ion: 65 Resp: 151665

Ion	Ratio	Lower	Upper
65	100		
67	49.9	0.0	101.6



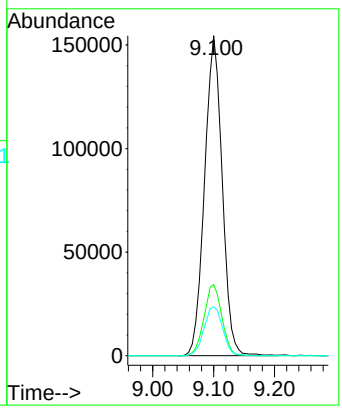


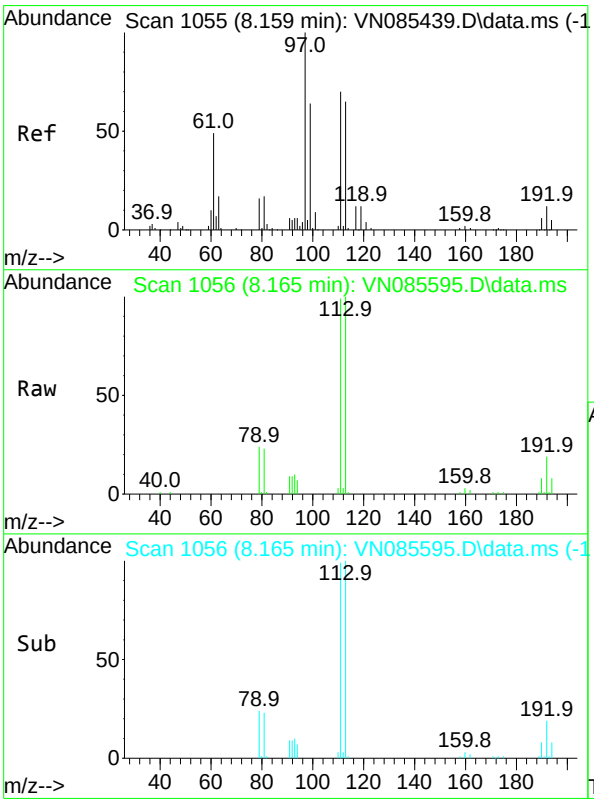
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085595.D
Acq: 31 Jan 2025 12:03

Instrument :
MSVOA_N
ClientSampleId :
TAPIAL2-MW03-012825-00-T3

Tgt Ion:114 Resp: 310451

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	47.6
88	15.2	0.0	32.6

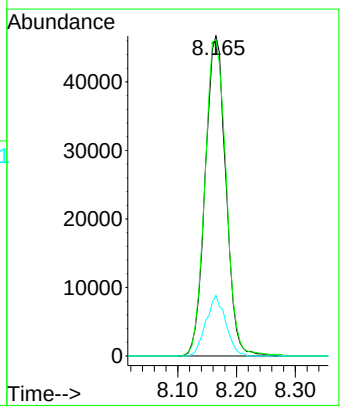


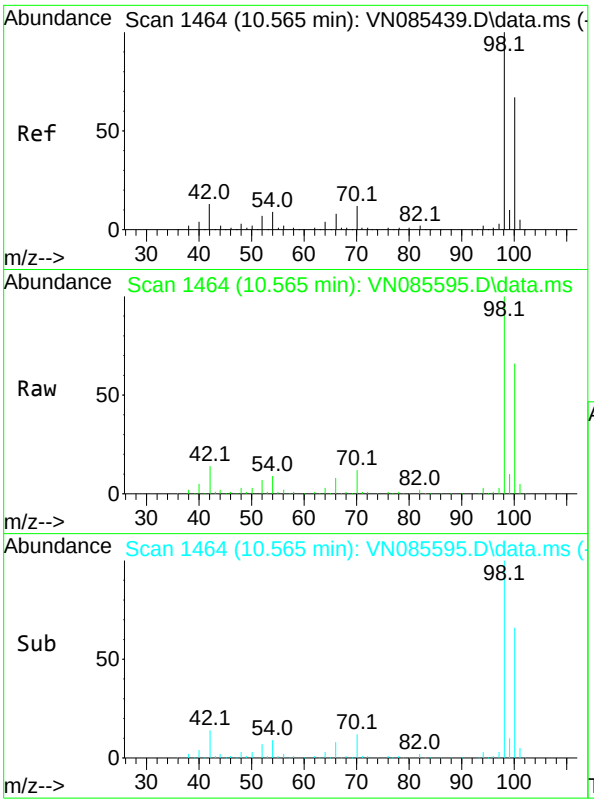


#35
Dibromofluoromethane
Concen: 52.764 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085595.D
Acq: 31 Jan 2025 12:03

Tgt Ion:113 Resp: 113642

Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.7	124.1
192	18.1	14.3	21.5



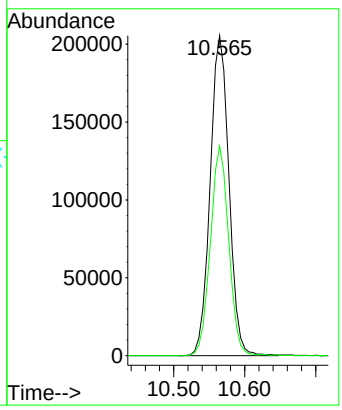


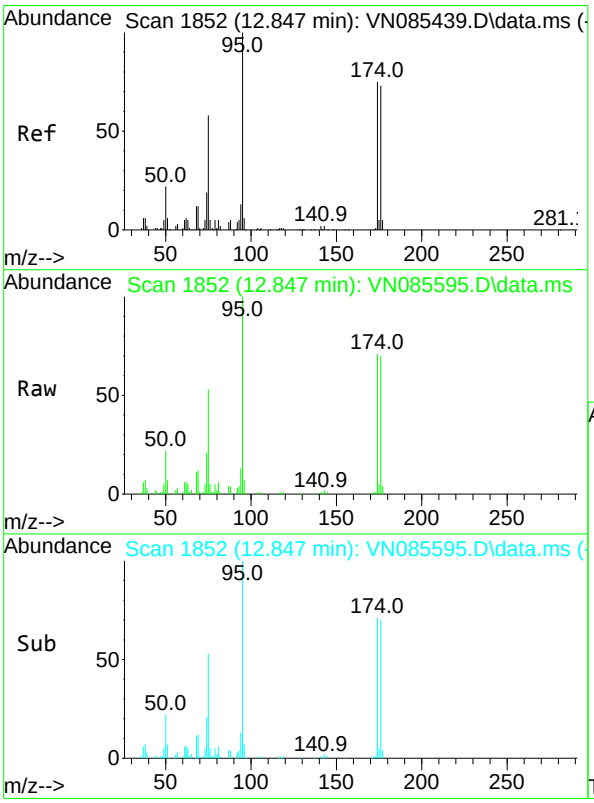
#50
Toluene-d8
Concen: 49.206 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085595.D
Acq: 31 Jan 2025 12:03

Instrument :
MSVOA_N
ClientSampleId :
TAPIAL2-MW03-012825-00-T3

Tgt Ion: 98 Resp: 376541

Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.2	78.4

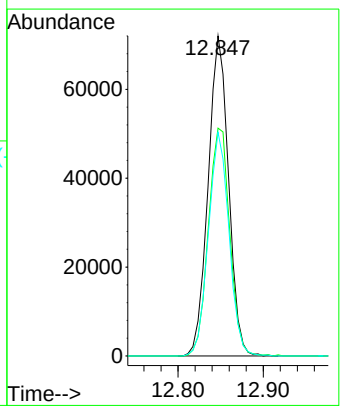


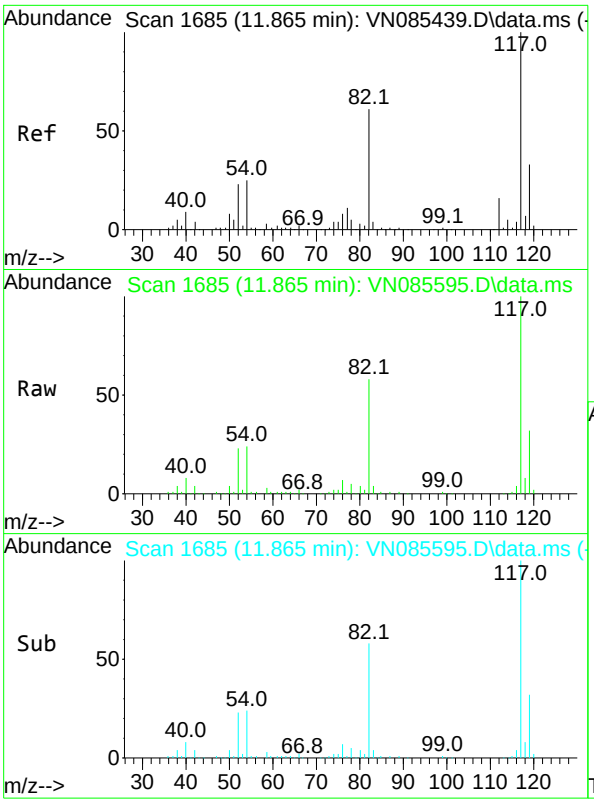


#62
4-Bromofluorobenzene
Concen: 45.778 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085595.D
Acq: 31 Jan 2025 12:03

Tgt Ion: 95 Resp: 119830

Ion	Ratio	Lower	Upper
95	100		
174	74.9	0.0	145.0
176	70.3	0.0	142.4



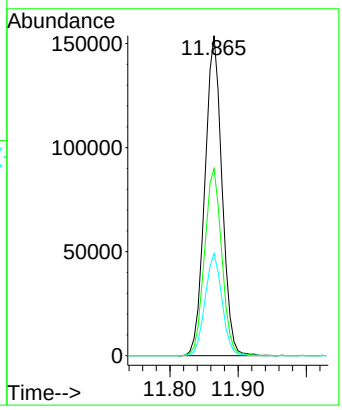


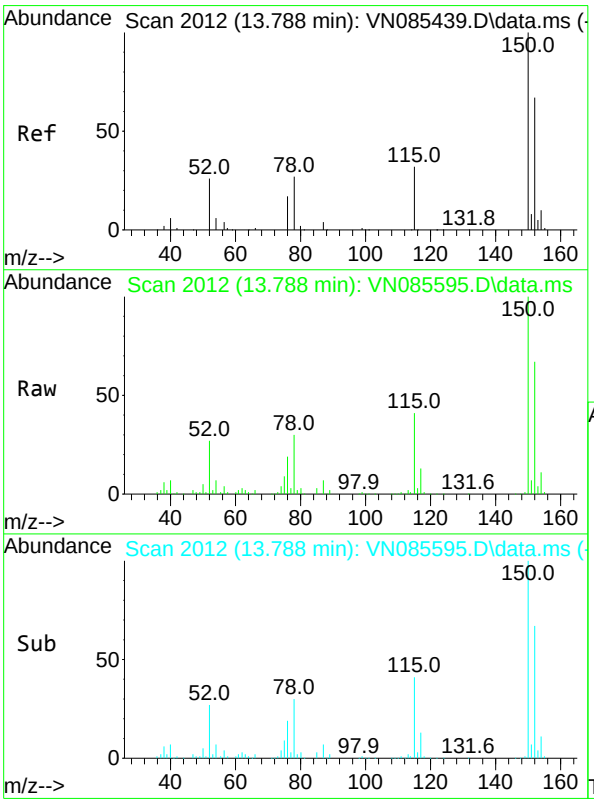
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085595.D
Acq: 31 Jan 2025 12:03

Instrument :
MSVOA_N
ClientSampleId :
TAPIAL2-MW03-012825-00-T3

Tgt Ion:117 Resp: 268445

Ion	Ratio	Lower	Upper
117	100		
82	58.4	48.6	72.8
119	31.9	26.6	39.8

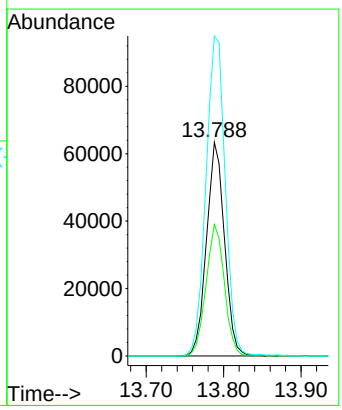




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085595.D
Acq: 31 Jan 2025 12:03

Tgt Ion:152 Resp: 102272

Ion	Ratio	Lower	Upper
152	100		
115	62.8	31.1	93.3
150	160.3	0.0	343.6



Raw Data: **VN085582.D**

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

Report of Analysis

Client:	Weston Solutions	Date Collected:	01/28/25
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	01/29/25
Client Sample ID:	TAP-TB-02-012825-T4	SDG No.:	Q1211
Lab Sample ID:	Q1211-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085582.D	1		01/30/25 16:18	VN013025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	5.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	5.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	5.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.50	U	0.56	0.50	5.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	5.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	25.0	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	5.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	5.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	5.00	ug/L
110-82-7	Cyclohexane	3.80	U	1.60	3.80	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.50	U	0.25	0.50	5.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	5.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.75	U	0.19	0.75	5.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	5.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.75	U	0.24	0.75	5.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	5.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	5.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	25.0	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	5.00	ug/L

Raw Data: **VN085582.D**

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

Report of Analysis

Client:	Weston Solutions	Date Collected:	01/28/25
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	01/29/25
Client Sample ID:	TAP-TB-02-012825-T4	SDG No.:	Q1211
Lab Sample ID:	Q1211-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085582.D	1		01/30/25 16:18	VN013025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	5.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	25.0	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	5.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	5.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	5.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	5.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	5.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	10.0	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	5.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	5.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	5.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	2.00	U	0.46	2.00	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.50	U	0.51	0.50	5.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	56.9		81 - 118		114%	SPK: 50
1868-53-7	Dibromofluoromethane	53.3		80 - 119		107%	SPK: 50
2037-26-5	Toluene-d8	50.1		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.9		85 - 114		86%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	164000	8.224				
540-36-3	1,4-Difluorobenzene	307000	9.1				
3114-55-4	Chlorobenzene-d5	275000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	105000	13.788				

Raw Data: **VN085582.D**

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

Report of Analysis

Client:	Weston Solutions	Date Collected:	01/28/25
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	01/29/25
Client Sample ID:	TAP-TB-02-012825-T4	SDG No.:	Q1211
Lab Sample ID:	Q1211-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085582.D	1		01/30/25 16:18	VN013025

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_N\Data\VN013025\
Data File : VN085582.D
Acq On : 30 Jan 2025 16:18
Operator : JC\MD
Sample : Q1211-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TAP-TB-02-012825-T4

Quant Time: Jan 31 02:37:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

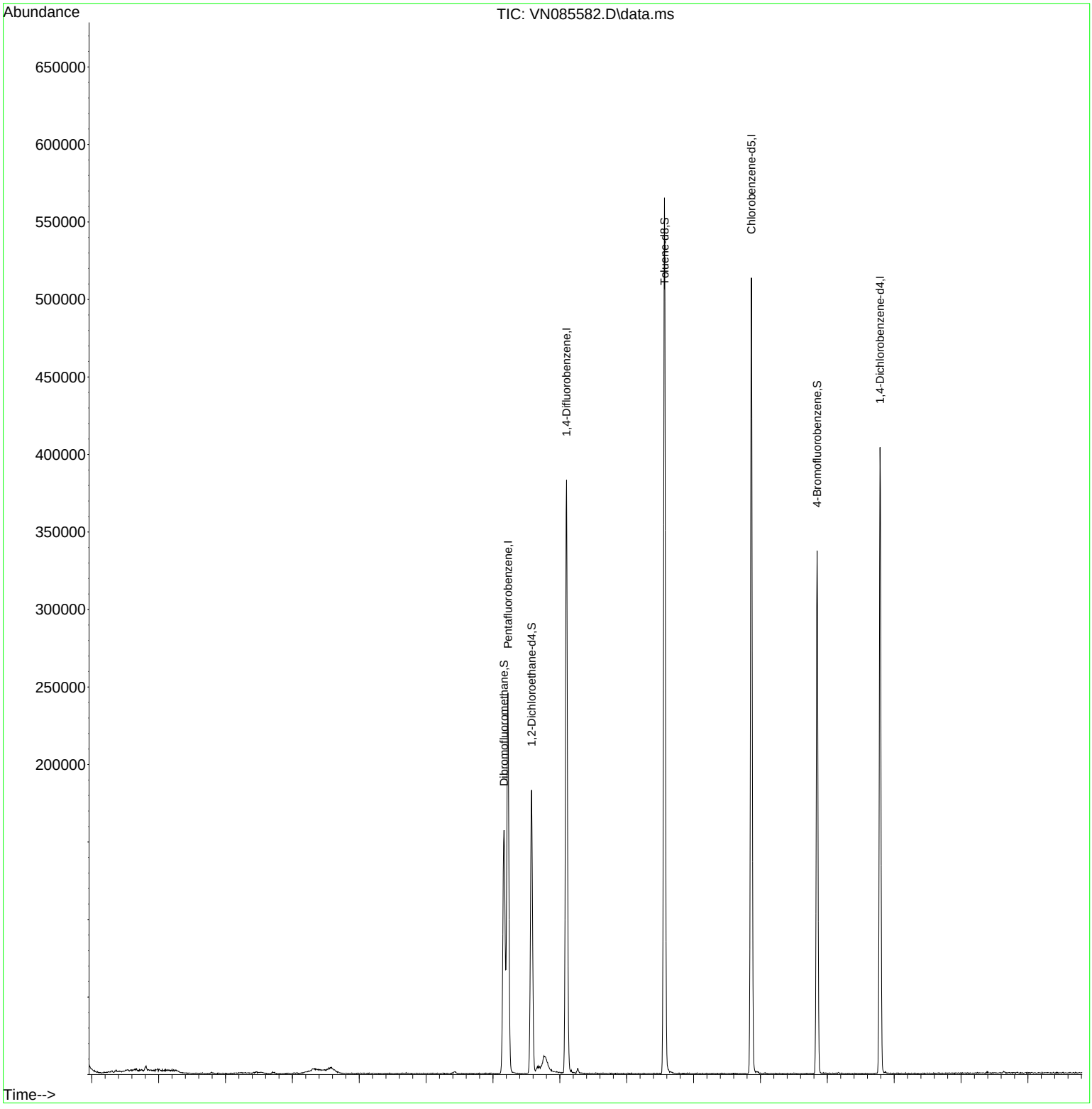
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	164319	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	307297	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	274602	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	105344	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	150937	56.905	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.800%			
35) Dibromofluoromethane	8.165	113	113569	53.272	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.540%			
50) Toluene-d8	10.565	98	379444	50.095	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.180%			
62) 4-Bromofluorobenzene	12.847	95	111091	42.875	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 85.740%			
Target Compounds						Qvalue

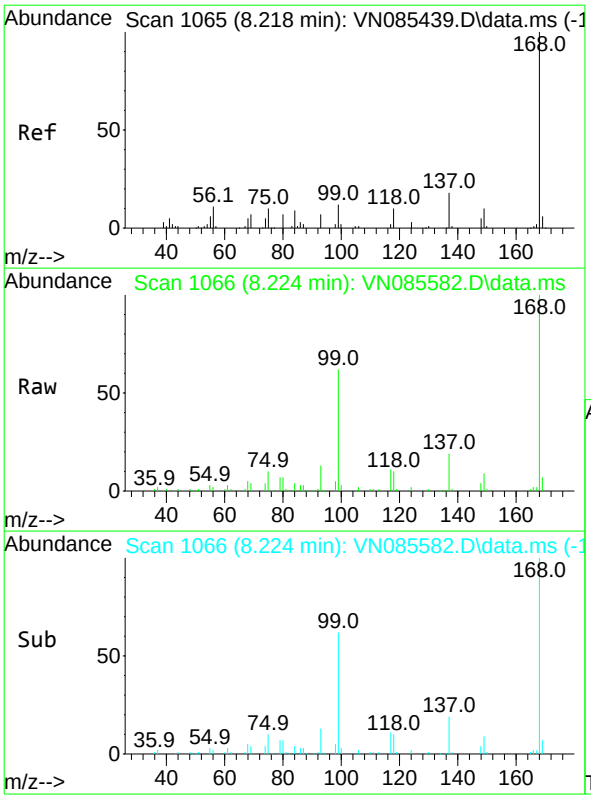
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013025\
Data File : VN085582.D
Acq On : 30 Jan 2025 16:18
Operator : JC\MD
Sample : Q1211-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TAP-TB-02-012825-T4

Quant Time: Jan 31 02:37:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration



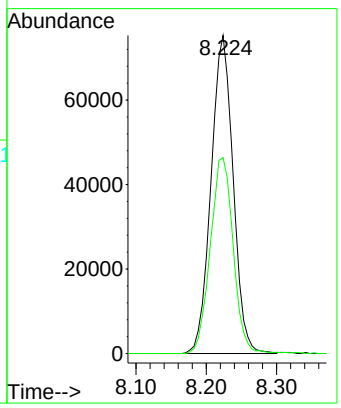


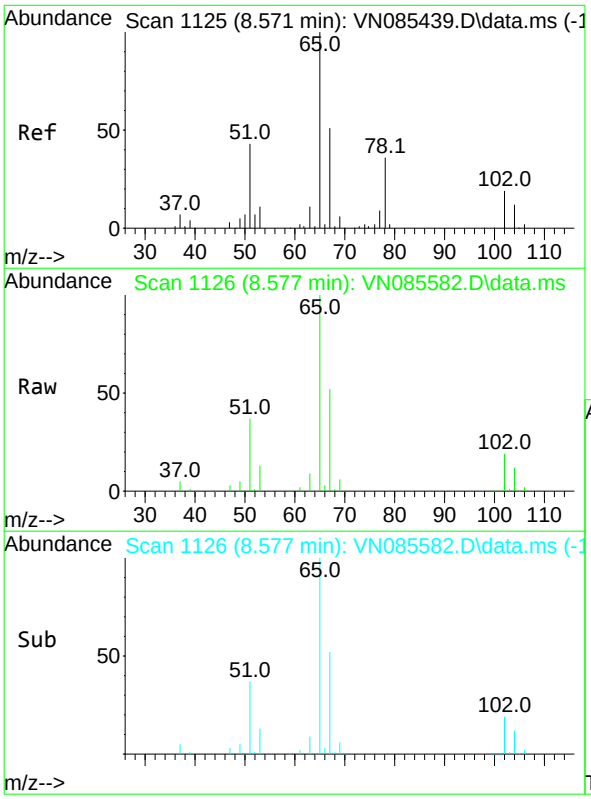
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085582.D
Acq: 30 Jan 2025 16:18

Instrument :
MSVOA_N
ClientSampleId :
TAP-TB-02-012825-T4

Tgt Ion:168 Resp: 164319

Ion	Ratio	Lower	Upper
168	100		
99	61.6	53.6	80.4

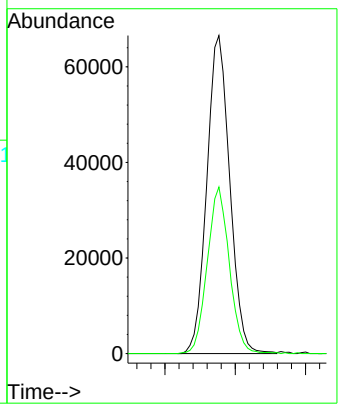


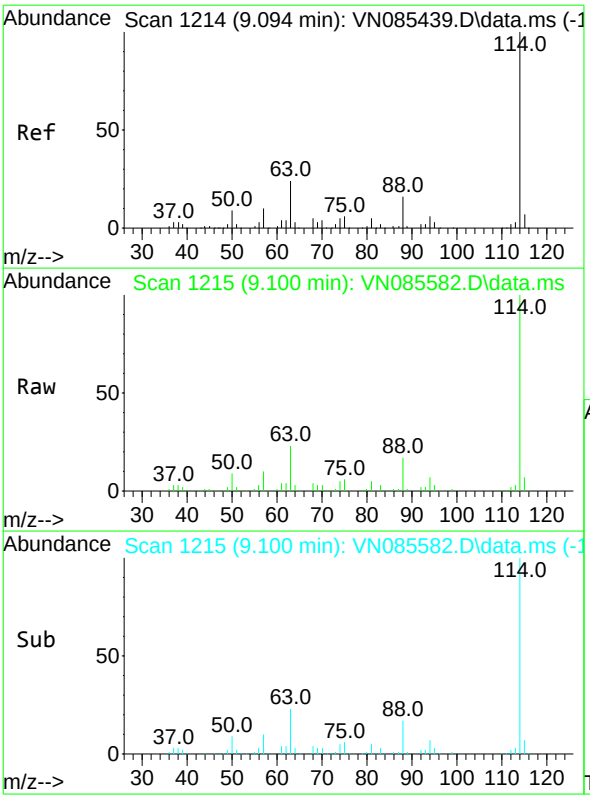


#33
1,2-Dichloroethane-d4
Concen: 56.905 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085582.D
Acq: 30 Jan 2025 16:18

Tgt Ion: 65 Resp: 150937

Ion	Ratio	Lower	Upper
65	100		
67	50.4	0.0	101.6



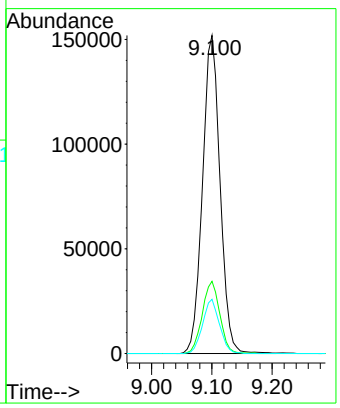


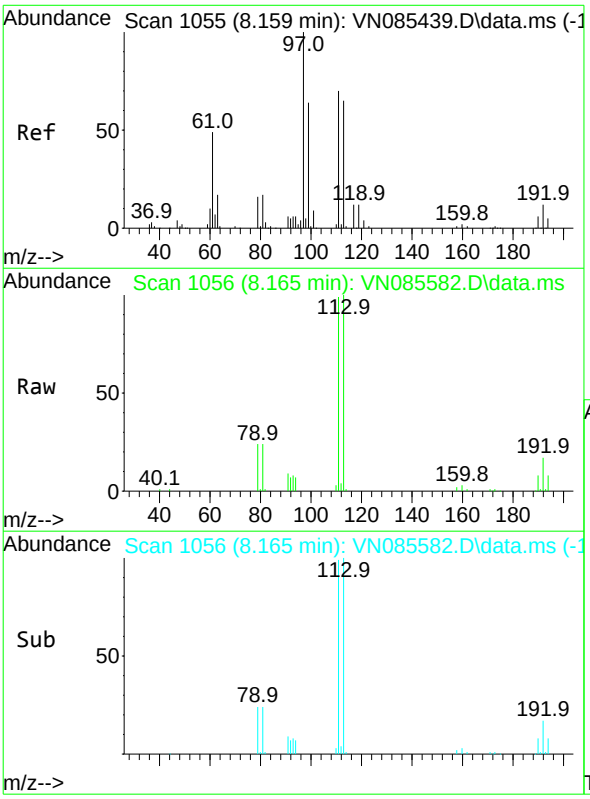
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.006 min
Lab File: VN085582.D
Acq: 30 Jan 2025 16:18

Instrument :
MSVOA_N
ClientSampleId :
TAP-TB-02-012825-T4

Tgt Ion:114 Resp: 307297

Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	47.6
88	17.0	0.0	32.6

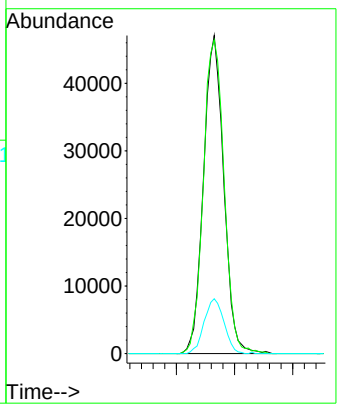


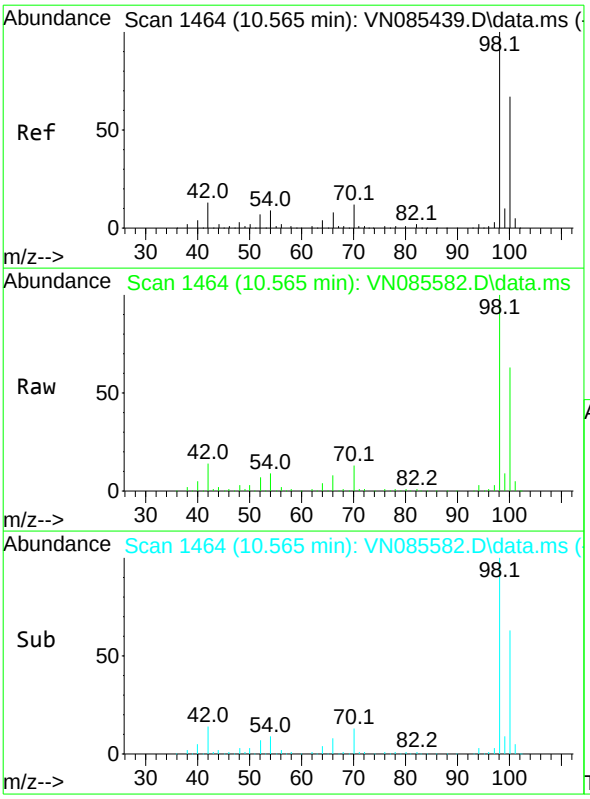


#35
Dibromofluoromethane
Concen: 53.272 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085582.D
Acq: 30 Jan 2025 16:18

Tgt Ion:113 Resp: 113569

Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.7	124.1
192	16.9	14.3	21.5



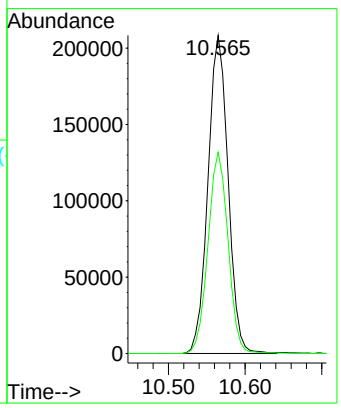


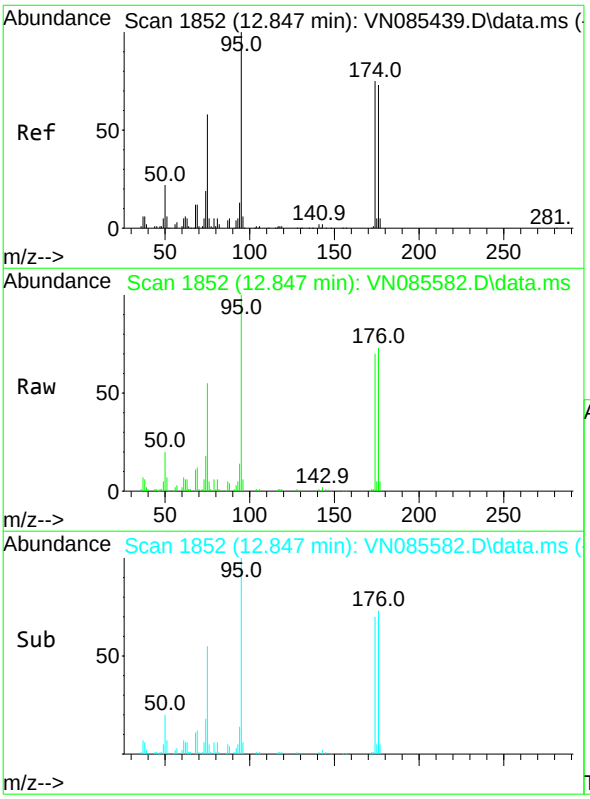
#50
Toluene-d8
Concen: 50.095 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085582.D
Acq: 30 Jan 2025 16:18

Instrument :
MSVOA_N
ClientSampleId :
TAP-TB-02-012825-T4

Tgt Ion: 98 Resp: 379444

Ion	Ratio	Lower	Upper
98	100		
100	63.1	52.2	78.4

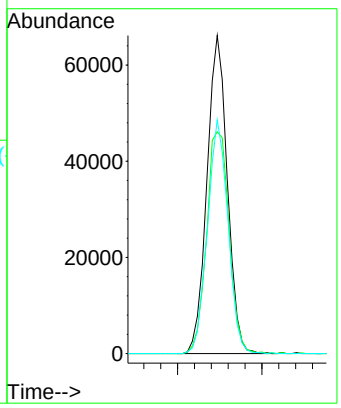


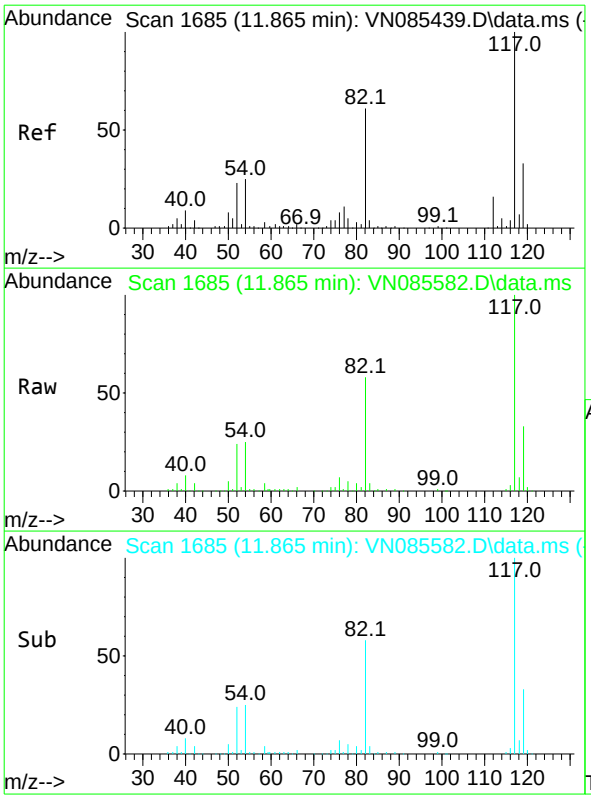


#62
4-Bromofluorobenzene
Concen: 42.875 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085582.D
Acq: 30 Jan 2025 16:18

Tgt Ion: 95 Resp: 111091

Ion	Ratio	Lower	Upper
95	100		
174	77.1	0.0	145.0
176	73.9	0.0	142.4



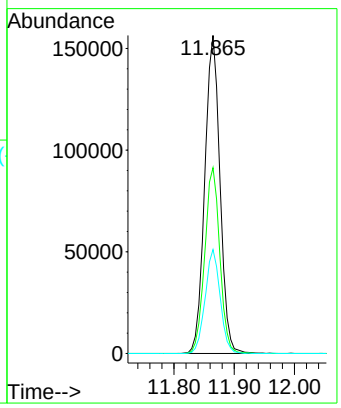


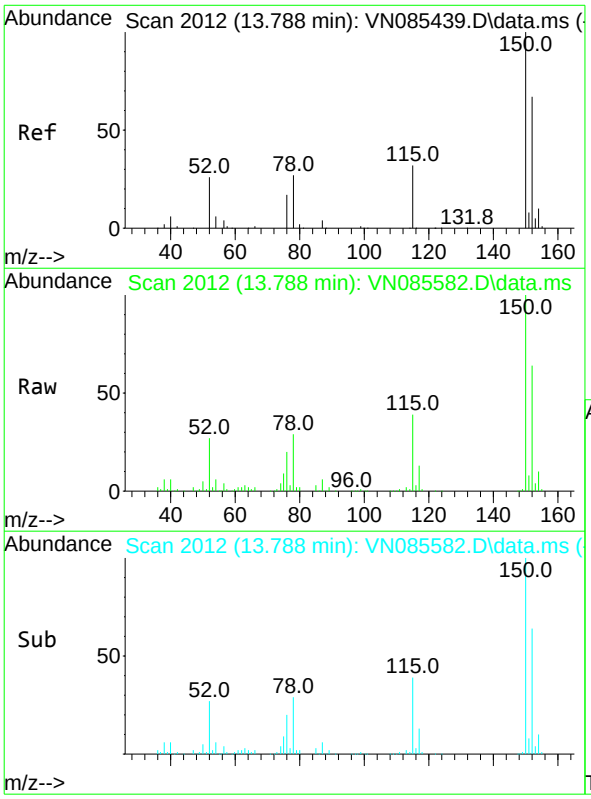
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085582.D
Acq: 30 Jan 2025 16:18

Instrument :
MSVOA_N
ClientSampleId :
TAP-TB-02-012825-T4

Tgt Ion:117 Resp: 274602

Ion	Ratio	Lower	Upper
117	100		
82	58.4	48.6	72.8
119	32.7	26.6	39.8

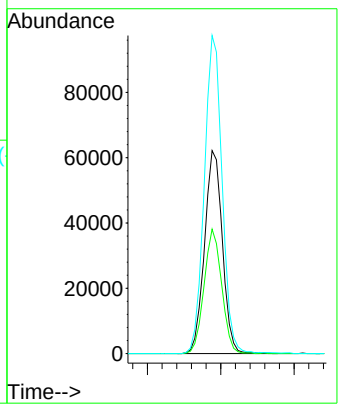




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085582.D
Acq: 30 Jan 2025 16:18

Tgt Ion:152 Resp: 105344

Ion	Ratio	Lower	Upper
152	100		
115	60.2	31.1	93.3
150	156.0	0.0	343.6



Sample Results: **VN085582.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013025\
Data File : VN085582.D
Acq On : 30 Jan 2025 16:18
Operator : JC\MD
Sample : Q1211-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TAP-TB-02-012825-T4

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Title : SW846 8260

Signal : TIC: VN085582.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.165	1045	1056	1060	rBV	156962	369168	35.68%	6.984%
2	8.224	1060	1066	1077	rVB	245163	542569	52.45%	10.265%
3	8.577	1116	1126	1136	rBV	182732	400706	38.73%	7.581%
4	8.759	1148	1157	1158	rBV2	8014	13938	1.35%	0.264%
5	9.100	1206	1215	1226	rBV	382410	771738	74.60%	14.601%
6	10.565	1456	1464	1477	rBV	565021	1034530	100.00%	19.572%
7	11.865	1674	1685	1696	rBV	513450	894997	86.51%	16.933%
8	12.847	1844	1852	1862	rBV	337261	580696	56.13%	10.986%
9	13.788	2005	2012	2022	rBV	403910	677331	65.47%	12.814%

Sum of corrected areas: 5285673

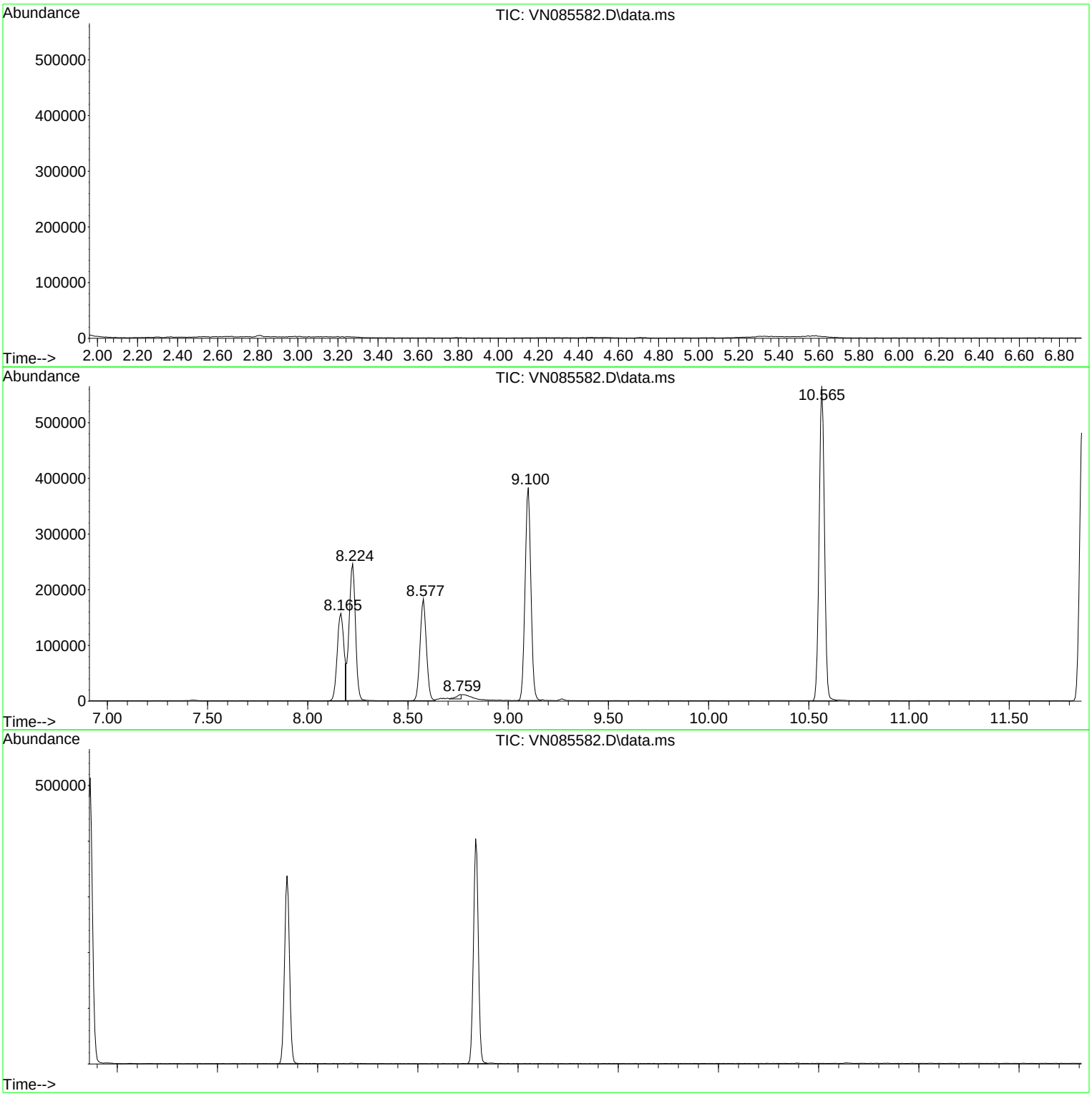
Sample Results: **VN085582.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013025\
Data File : VN085582.D
Acq On : 30 Jan 2025 16:18
Operator : JC\MD
Sample : Q1211-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TAP-TB-02-012825-T4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

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



Sample Results: **VN085582.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013025\
Data File : VN085582.D
Acq On : 30 Jan 2025 16:18
Operator : JC\MD
Sample : Q1211-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TAP-TB-02-012825-T4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013025\
Data File : VN085582.D
Acq On : 30 Jan 2025 16:18
Operator : JC\MD
Sample : Q1211-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TAP-TB-02-012825-T4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

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

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

CALIBRATION SUMMARY

Raw Data

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: WEST04

Lab Code: CHEM Case No.: Q1211 SAS No.: Q1211 SDG No.: Q1211

Instrument ID: MSVOA_N Calibration Date(s): 01/14/2025 01/14/2025

Heated Purge: (Y/N) N Calibration Time(s): 14:56 17:19

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF100 = VN085438.D RRF050 = VN085439.D RRF020 = VN085440.D
RRF010 = VN085441.D RRF005 = VN085442.D RRF001 = VN085443.D

COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.664	0.629	0.681	0.667	0.708	0.714	0.677	4.6
Chloromethane	0.680	0.680	0.727	0.693	0.779	0.839	0.733	8.8
Vinyl Chloride	0.697	0.686	0.727	0.711	0.781	0.819	0.737	7.1
Bromomethane	0.392	0.417	0.454	0.437	0.525		0.445	11.3
Chloroethane	0.435	0.424	0.468	0.429	0.505	0.542	0.467	10.3
Trichlorofluoromethane	1.046	0.997	1.097	1.040	1.077	1.157	1.069	5.1
1,1,2-Trichlorotrifluoroethane	0.590	0.542	0.609	0.587	0.639	0.646	0.602	6.4
1,1-Dichloroethene	0.548	0.533	0.556	0.526	0.559	0.497	0.537	4.3
Acetone	0.238	0.252	0.252	0.247	0.269	0.306	0.261	9.3
Carbon Disulfide	1.555	1.477	1.647	1.537	1.719	1.978	1.652	11
Methyl tert-butyl Ether	1.834	1.873	1.853	1.664	1.685	1.545	1.742	7.5
Methyl Acetate	0.751	0.790	0.758	0.779	0.810	0.871	0.793	5.5
Methylene Chloride	0.629	0.629	0.658	0.606	0.696	0.656	0.646	4.9
trans-1,2-Dichloroethene	0.571	0.555	0.574	0.539	0.569	0.632	0.573	5.5
1,1-Dichloroethane	1.164	1.170	1.206	1.100	1.226	1.204	1.178	3.8
Cyclohexane	0.984	0.881	1.033	1.026	1.198		1.024	11.2
2-Butanone	0.378	0.390	0.398	0.363	0.387	0.386	0.384	3.1
Carbon Tetrachloride	0.574	0.530	0.579	0.529	0.565	0.567	0.557	4
cis-1,2-Dichloroethene	0.691	0.683	0.715	0.639	0.669	0.655	0.675	4
Bromochloromethane	0.530	0.542	0.513	0.486	0.595	0.624	0.548	9.4
Chloroform	1.197	1.175	1.241	1.169	1.253	1.273	1.218	3.6
1,1,1-Trichloroethane	1.053	1.016	1.091	1.000	1.148	1.102	1.068	5.2
Methylcyclohexane	0.564	0.463	0.477	0.407	0.437	0.397	0.457	13.3
Benzene	1.551	1.449	1.527	1.376	1.474	1.400	1.463	4.7
1,2-Dichloroethane	0.569	0.547	0.575	0.522	0.574	0.517	0.551	4.8
Trichloroethene	0.362	0.324	0.352	0.310	0.343	0.352	0.341	5.8
1,2-Dichloropropane	0.390	0.371	0.388	0.334	0.388	0.371	0.374	5.7
Bromodichloromethane	0.590	0.559	0.579	0.514	0.569	0.484	0.549	7.5
4-Methyl-2-Pentanone	0.499	0.492	0.495	0.432	0.443	0.380	0.457	10.3
Toluene	0.964	0.870	0.919	0.808	0.835	0.690	0.848	11.3

* 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: WEST04

Lab Code: CHEM Case No.: Q1211 SAS No.: Q1211 SDG No.: Q1211

Instrument ID: MSVOA_N Calibration Date(s): 01/14/2025 01/14/2025

Heated Purge: (Y/N) N Calibration Time(s): 14:56 17:19

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF100 = VN085438.D RRF050 = VN085439.D RRF020 = VN085440.D
RRF010 = VN085441.D RRF005 = VN085442.D RRF001 = VN085443.D

COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.594	0.551	0.544	0.481	0.527	0.416	0.519	12
cis-1,3-Dichloropropene	0.623	0.588	0.601	0.527	0.538	0.450	0.554	11.4
1,1,2-Trichloroethane	0.348	0.340	0.353	0.309	0.349	0.314	0.335	5.7
2-Hexanone	0.358	0.357	0.353	0.298	0.302	0.261	0.321	12.6
Dibromochloromethane	0.430	0.414	0.412	0.368	0.420	0.386	0.405	5.8
1,2-Dibromoethane	0.349	0.334	0.356	0.309	0.321	0.334	0.334	5.2
Tetrachloroethene	0.351	0.322	0.365	0.338	0.346	0.323	0.341	4.9
Chlorobenzene	1.133	1.076	1.154	1.047	1.110	1.051	1.095	4
Ethyl Benzene	2.072	1.867	1.940	1.685	1.709	1.430	1.784	12.7
m/p-Xylenes	0.775	0.707	0.750	0.615	0.616	0.492	0.659	16
o-Xylene	0.738	0.681	0.713	0.584	0.582	0.482	0.630	15.5
Styrene	1.271	1.173	1.186	0.956	0.929	0.742	1.043	19.2
Bromoform	0.311	0.311	0.312	0.273	0.284	0.235	0.288	10.6
Isopropylbenzene	3.922	3.448	3.681	3.272	3.157	2.766	3.375	12.1
1,1,2,2-Tetrachloroethane	1.121	1.145	1.187	1.157	1.228	1.314	1.192	5.9
1,3-Dichlorobenzene	1.720	1.565	1.701	1.574	1.656	1.526	1.624	4.9
1,4-Dichlorobenzene	1.706	1.562	1.713	1.607	1.743	1.767	1.683	4.8
1,2-Dichlorobenzene	1.611	1.555	1.654	1.532	1.600	1.766	1.620	5.2
1,2-Dibromo-3-Chloropropane	0.218	0.222	0.224	0.212	0.228	0.202	0.218	4.3
1,2,4-Trichlorobenzene	0.858	0.781	0.799	0.704	0.717	0.658	0.753	9.7
1,2,3-Trichlorobenzene	0.817	0.786	0.792	0.732	0.693	0.750	0.762	6
1,2-Dichloroethane-d4	0.774	0.831	0.754	0.762	0.914		0.807	8.3
Dibromofluoromethane	0.359	0.358	0.335	0.310	0.373		0.347	7.1
Toluene-d8	1.339	1.267	1.207	1.076	1.274		1.232	8.1
4-Bromofluorobenzene	0.475	0.449	0.410	0.357	0.417		0.422	10.6

* 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_N_NEW

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N011425W.M
Title : SW846 8260
Last Update : Wed Jan 15 02:16:08 2025
Response Via : Initial Calibration

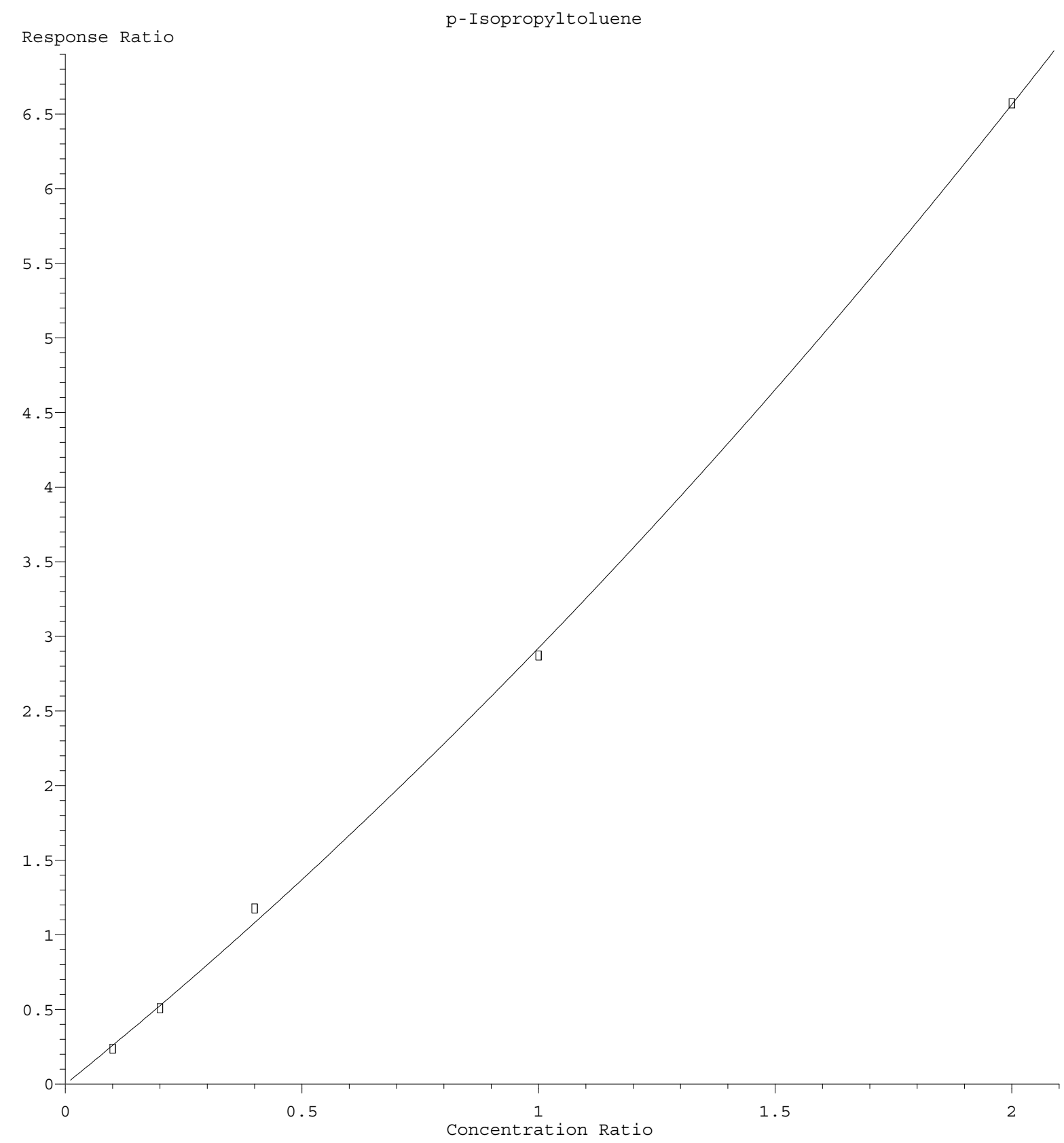
Calibration Files
1 =VN085443.D 5 =VN085442.D 10 =VN085441.D 20 =VN085440.D 50 =VN085439.D 100 =VN085438.D

		Compound	1	5	10	20	50	100	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.714	0.708	0.667	0.681	0.629	0.664	0.677	4.59
3)	P	Chloromethane	0.839	0.779	0.693	0.727	0.680	0.680	0.733	8.77
4)	C	Vinyl Chloride	0.819	0.781	0.711	0.727	0.686	0.697	0.737	7.06#
5)	T	Bromomethane		0.525	0.437	0.454	0.417	0.392	0.445	11.26
6)	T	Chloroethane	0.542	0.505	0.429	0.468	0.424	0.435	0.467	10.27
7)	T	Trichlorofluor...	1.157	1.077	1.040	1.097	0.997	1.046	1.069	5.14
8)	T	Diethyl Ether	0.457	0.357	0.317	0.363	0.360	0.362	0.369	12.59
9)	T	1,1,2-Trichlor...	0.646	0.639	0.587	0.609	0.542	0.590	0.602	6.35
10)	T	Methyl Iodide		0.661	0.640	0.704	0.719	0.723	0.690	5.35
11)	T	Tert butyl alc...		0.097	0.092	0.095	0.093	0.085	0.092	4.80
12)	CM	1,1-Dichloroet...	0.497	0.559	0.526	0.556	0.533	0.548	0.537	4.31#
13)	T	Acrolein		0.101	0.131	0.124	0.140	0.136	0.126	12.09
14)	T	Allyl chloride	0.952	0.897	0.823	0.843	0.846	0.863	0.871	5.42
15)	T	Acrylonitrile	0.298	0.299	0.275	0.303	0.298	0.289	0.294	3.39
16)	T	Acetone	0.306	0.269	0.247	0.252	0.252	0.238	0.261	9.28
17)	T	Carbon Disulfide	1.978	1.719	1.537	1.647	1.477	1.555	1.652	10.95
18)	T	Methyl Acetate	0.871	0.810	0.779	0.758	0.790	0.751	0.793	5.54
19)	T	Methyl tert-bu...	1.545	1.685	1.664	1.853	1.873	1.834	1.742	7.53
20)	T	Methylene Chlo...	0.656	0.696	0.606	0.658	0.629	0.629	0.646	4.86
21)	T	trans-1,2-Dich...	0.632	0.569	0.539	0.574	0.555	0.571	0.573	5.50
22)	T	Diisopropyl ether	1.705	1.918	1.834	2.076	2.037	2.026	1.933	7.38
23)	T	Vinyl Acetate	1.110	1.270	1.279	1.466	1.495	1.495	1.353	11.67
24)	P	1,1-Dichloroet...	1.204	1.226	1.100	1.206	1.170	1.164	1.178	3.81
25)	T	2-Butanone	0.386	0.387	0.363	0.398	0.390	0.378	0.384	3.12
26)	T	2,2-Dichloropr...	0.930	0.986	0.922	0.985	0.936	0.958	0.953	2.96
27)	T	cis-1,2-Dichlo...	0.655	0.669	0.639	0.715	0.683	0.691	0.675	4.02
28)	T	Bromochloromet...	0.624	0.595	0.486	0.513	0.542	0.530	0.548	9.44
29)	T	Tetrahydrofuran	0.221	0.236	0.233	0.261	0.260	0.248	0.243	6.58
30)	C	Chloroform	1.273	1.253	1.169	1.241	1.175	1.197	1.218	3.59#
31)	T	Cyclohexane		1.198	1.026	1.033	0.881	0.984	1.024	11.18
32)	T	1,1,1-Trichlor...	1.102	1.148	1.000	1.091	1.016	1.053	1.068	5.24
33)	S	1,2-Dichloroet...		0.914	0.762	0.754	0.831	0.774	0.807	8.28
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.373	0.310	0.335	0.358	0.359	0.347	7.10
36)	T	1,1-Dichloropr...	0.509	0.490	0.441	0.499	0.462	0.521	0.487	6.17
37)	T	Ethyl Acetate	0.504	0.520	0.452	0.488	0.488	0.496	0.491	4.66
38)	T	Carbon Tetrach...	0.567	0.565	0.529	0.579	0.530	0.574	0.557	3.96
39)	T	Methylcyclohexane	0.397	0.437	0.407	0.477	0.463	0.564	0.457	13.29
40)	TM	Benzene	1.400	1.474	1.376	1.527	1.449	1.551	1.463	4.70
41)	T	Methacrylonitrile	0.241	0.227	0.248	0.268	0.270	0.280	0.256	7.89
42)	TM	1,2-Dichloroet...	0.517	0.574	0.522	0.575	0.547	0.569	0.551	4.78
43)	T	Isopropyl Acetate	0.793	0.764	0.719	0.801	0.813	0.835	0.787	5.20
44)	TM	Trichloroethene	0.352	0.343	0.310	0.352	0.324	0.362	0.341	5.79
45)	C	1,2-Dichloropr...	0.371	0.388	0.334	0.388	0.371	0.390	0.374	5.69#
46)	T	Dibromomethane	0.292	0.254	0.254	0.277	0.267	0.275	0.270	5.50
47)	T	Bromodichlorom...	0.484	0.569	0.514	0.579	0.559	0.590	0.549	7.48
48)	T	Methyl methacr...	0.311	0.326	0.321	0.369	0.392	0.406	0.354	11.37
49)	T	1,4-Dioxane	0.006	0.006	0.006	0.006	0.006	0.006	0.006	6.72
50)	S	Toluene-d8		1.274	1.076	1.207	1.267	1.339	1.232	8.07
51)	T	4-Methyl-2-Pen...	0.380	0.443	0.432	0.495	0.492	0.499	0.457	10.33
52)	CM	Toluene	0.690	0.835	0.808	0.919	0.870	0.964	0.848	11.27#
53)	T	t-1,3-Dichloro...	0.416	0.527	0.481	0.544	0.551	0.594	0.519	11.98
54)	T	cis-1,3-Dichlo...	0.450	0.538	0.527	0.601	0.588	0.623	0.554	11.40
55)	T	1,1,2-Trichlor...	0.314	0.349	0.309	0.353	0.340	0.348	0.335	5.67

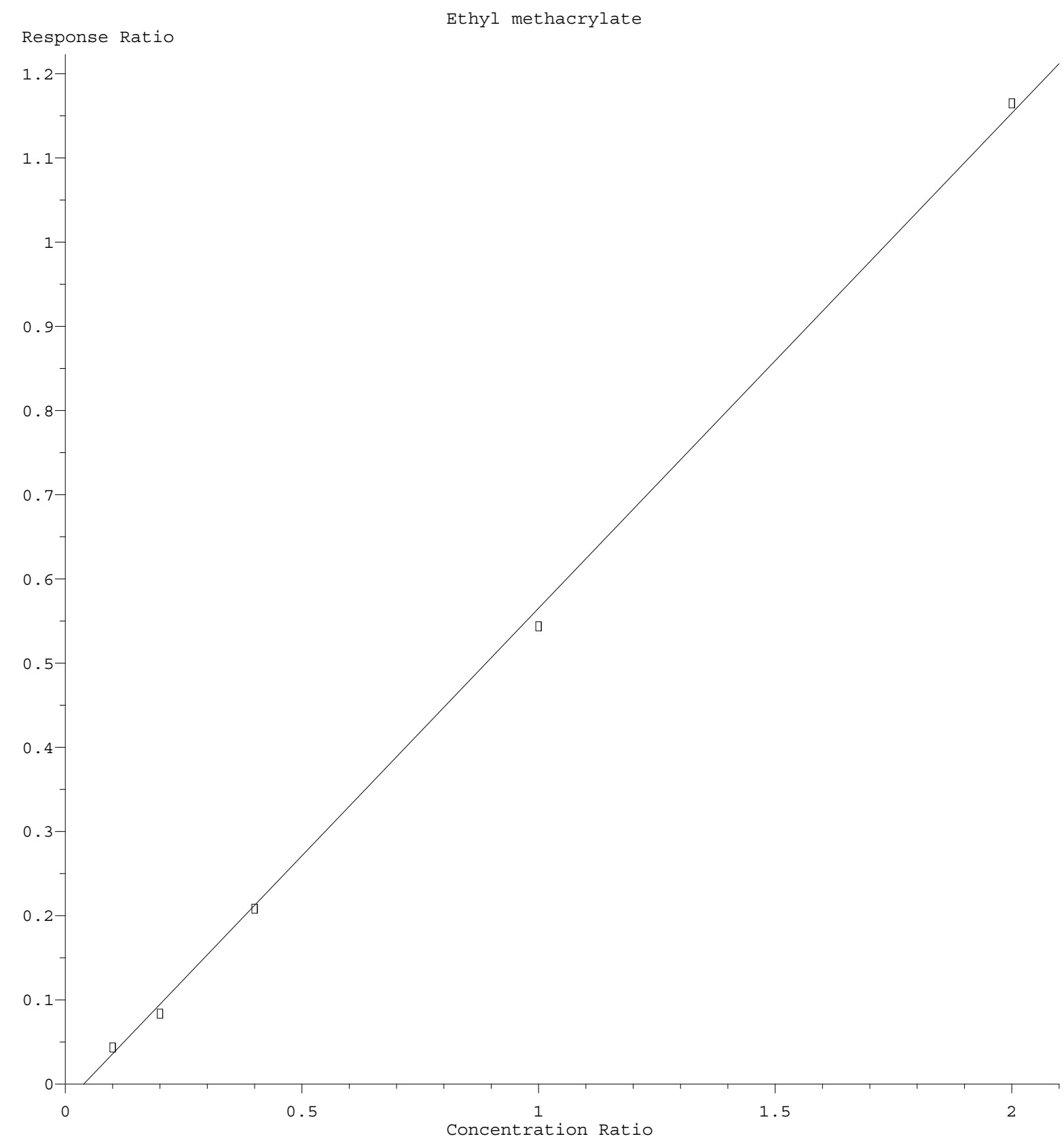
Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N011425W.M

56)	T	Ethyl methacry...	0.317	0.434	0.418	0.521	0.544	0.582	0.469	20.85
57)	T	1,3-Dichloropr...	0.514	0.584	0.555	0.618	0.602	0.627	0.583	7.31
58)	T	2-Chloroethyl ...	0.163	0.205	0.185	0.226	0.241	0.258	0.213	16.67
59)	T	2-Hexanone	0.261	0.302	0.298	0.353	0.357	0.358	0.321	12.60
60)	T	Dibromochlorom...	0.386	0.420	0.368	0.412	0.414	0.430	0.405	5.79
61)	T	1,2-Dibromoethane	0.334	0.321	0.309	0.356	0.334	0.349	0.334	5.16
62)	S	4-Bromofluorob...		0.417	0.357	0.410	0.449	0.475	0.422	10.57
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.323	0.346	0.338	0.365	0.322	0.351	0.341	4.87
65)	PM	Chlorobenzene	1.051	1.110	1.047	1.154	1.076	1.133	1.095	4.03
66)	T	1,1,1,2-Tetrac...	0.425	0.412	0.371	0.408	0.392	0.404	0.402	4.65
67)	C	Ethyl Benzene	1.430	1.709	1.685	1.940	1.867	2.072	1.784	12.67#
68)	T	m/p-Xylenes	0.492	0.616	0.615	0.750	0.707	0.775	0.659	16.01
69)	T	o-Xylene	0.482	0.582	0.584	0.713	0.681	0.738	0.630	15.47
70)	T	Styrene	0.742	0.929	0.956	1.186	1.173	1.271	1.043	19.21
71)	P	Bromoform	0.235	0.284	0.273	0.312	0.311	0.311	0.288	10.61
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	2.766	3.157	3.272	3.681	3.448	3.922	3.375	12.06
74)	T	N-amyl acetate	1.364	1.394	1.405	1.642	1.622	1.673	1.517	9.43
75)	P	1,1,2,2-Tetrac...	1.314	1.228	1.157	1.187	1.145	1.121	1.192	5.89
76)	T	1,2,3-Trichlor...	1.104	0.965	0.957	1.118	0.893	1.061	1.016	8.96
77)	T	Bromobenzene	0.871	0.880	0.857	0.906	0.858	0.919	0.882	2.90
78)	T	n-propylbenzene	3.227	3.605	3.846	4.400	4.154	4.738	3.995	13.74
79)	T	2-Chlorotoluene	2.252	2.533	2.571	2.761	2.585	2.812	2.586	7.67
80)	T	1,3,5-Trimethy...	2.160	2.529	2.695	3.140	2.940	3.260	2.787	14.69
81)	T	trans-1,4-Dich...		0.335	0.347	0.386	0.390	0.419	0.376	9.04
82)	T	4-Chlorotoluene	2.144	2.536	2.512	2.820	2.588	2.847	2.574	9.91
83)	T	tert-Butylbenzene	1.885	2.189	2.236	2.570	2.439	2.726	2.341	12.85
84)	T	1,2,4-Trimethy...	1.888	2.542	2.710	3.190	3.016	3.323	2.778	18.89
85)	T	sec-Butylbenzene	2.318	3.026	3.147	3.643	3.421	3.912	3.244	17.17
86)	T	p-Isopropyltol...	1.777	2.368	2.541	2.942	2.872	3.286	2.631	20.04
87)	T	1,3-Dichlorobe...	1.526	1.656	1.574	1.701	1.565	1.720	1.624	4.91
88)	T	1,4-Dichlorobe...	1.767	1.743	1.607	1.713	1.562	1.706	1.683	4.78
89)	T	n-Butylbenzene	1.772	2.176	2.168	2.485	2.483	2.881	2.327	16.22
90)	T	Hexachloroethane	0.681	0.616	0.574	0.613	0.577	0.645	0.618	6.59
91)	T	1,2-Dichlorobe...	1.766	1.600	1.532	1.654	1.555	1.611	1.620	5.15
92)	T	1,2-Dibromo-3-...	0.202	0.228	0.212	0.224	0.222	0.218	0.218	4.31
93)	T	1,2,4-Trichlor...	0.658	0.717	0.704	0.799	0.781	0.858	0.753	9.69
94)	T	Hexachlorobuta...	0.413	0.441	0.395	0.396	0.367	0.386	0.400	6.31
95)	T	Naphthalene	2.115	1.987	1.958	2.348	2.482	2.588	2.246	11.79
96)	T	1,2,3-Trichlor...	0.750	0.693	0.732	0.792	0.786	0.817	0.762	5.96

(#) = Out of Range



R = 3.594e-001 A*A + 2.563e+000 A - 1.210e-003
Coef of Det (r^2) = 0.999599 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N011425W.M
Calibration Table Last Updated: Wed Jan 15 02:16:08 2025



Response = 5.877e-001 * Amt - 2.270e-002
Coef of Det (r^2) = 0.998904 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N011425W.M
Calibration Table Last Updated: Wed Jan 15 02:16:08 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085438.D
Acq On : 14 Jan 2025 14:56
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 15 01:41:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	202613	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	329363	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	298938	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	146196	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	313645	95.899	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 191.800%#			
35) Dibromofluoromethane	8.159	113	236159	103.353	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 206.700%#			
50) Toluene-d8	10.565	98	881956	108.636	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 217.280%#			
62) 4-Bromofluorobenzene	12.847	95	313161	112.765	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 225.520%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	269023	98.065	ug/l	99
3) Chloromethane	2.359	50	275415	92.724	ug/l	98
4) Vinyl Chloride	2.512	62	282361	94.576	ug/l	99
5) Bromomethane	2.942	94	158888	88.105	ug/l	98
6) Chloroethane	3.112	64	176111	93.043	ug/l	99
7) Trichlorofluoromethane	3.494	101	423967	97.870	ug/l	100
8) Diethyl Ether	3.953	74	146889	98.154	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	239104	97.997	ug/l	99
10) Methyl Iodide	4.589	142	292983	104.856	ug/l	95
11) Tert butyl alcohol	5.512	59	173044	462.061	ug/l	99
12) 1,1-Dichloroethene	4.336	96	222117	102.146	ug/l	99
13) Acrolein	4.171	56	275350	538.600	ug/l	99
14) Allyl chloride	5.018	41	349717	99.111	ug/l	98
15) Acrylonitrile	5.712	53	585370	492.095	ug/l	99
16) Acetone	4.418	43	483221	457.268	ug/l	96
17) Carbon Disulfide	4.712	76	630294	94.140	ug/l	100
18) Methyl Acetate	5.012	43	304226	94.674	ug/l	99
19) Methyl tert-butyl Ether	5.788	73	743008	105.230	ug/l	100
20) Methylene Chloride	5.271	84	254912	97.440	ug/l	98
21) trans-1,2-Dichloroethene	5.783	96	231503	99.618	ug/l	97
22) Diisopropyl ether	6.665	45	820871	104.812	ug/l	99
23) Vinyl Acetate	6.594	43	3029568	550.850	ug/l	99
24) 1,1-Dichloroethane	6.565	63	471831	98.803	ug/l	99
25) 2-Butanone	7.477	43	764979	491.912	ug/l	98
26) 2,2-Dichloropropane	7.482	77	388140	100.530	ug/l	100
27) cis-1,2-Dichloroethene	7.482	96	280197	102.367	ug/l	99
28) Bromochloromethane	7.806	49	214796	96.679	ug/l	100
29) Tetrahydrofuran	7.830	42	503459	510.635	ug/l	99
30) Chloroform	7.959	83	484941	98.253	ug/l	100
31) Cyclohexane	8.253	56	398641	96.041	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	426782	98.578	ug/l	98
36) 1,1-Dichloropropene	8.365	75	342961	106.945	ug/l	100
37) Ethyl Acetate	7.553	43	326802	100.961	ug/l	97
38) Carbon Tetrachloride	8.359	117	378390	103.065	ug/l	97
39) Methylcyclohexane	9.594	83	371734	123.354	ug/l	99
40) Benzene	8.600	78	1021393	106.001	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085438.D
Acq On : 14 Jan 2025 14:56
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 15 01:41:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.777	41	184326	109.454 ug/l		96
42) 1,2-Dichloroethane	8.665	62	374938	103.314 ug/l		100
43) Isopropyl Acetate	8.682	43	549969	106.035 ug/l		100
44) Trichloroethene	9.347	130	238296	106.242 ug/l		96
45) 1,2-Dichloropropane	9.618	63	256964	104.405 ug/l		97
46) Dibromomethane	9.706	93	180990	101.913 ug/l		99
47) Bromodichloromethane	9.882	83	388499	107.377 ug/l		98
48) Methyl methacrylate	9.676	41	267689	114.685 ug/l		99
49) 1,4-Dioxane	9.688	88	83879	2133.992 ug/l		97
51) 4-Methyl-2-Pentanone	10.441	43	1643800	546.159 ug/l		100
52) Toluene	10.623	92	634743	113.689 ug/l		99
53) t-1,3-Dichloropropene	10.829	75	391238	114.424 ug/l		97
54) cis-1,3-Dichloropropene	10.306	75	410403	112.369 ug/l		99
55) 1,1,2-Trichloroethane	11.012	97	229522	103.879 ug/l		98
56) Ethyl methacrylate	10.870	69	383663	101.029 ug/l		99
57) 1,3-Dichloropropane	11.159	76	412886	107.469 ug/l		100
58) 2-Chloroethyl Vinyl ether	10.153	63	848636	605.243 ug/l		100
59) 2-Hexanone	11.194	43	1178831	556.643 ug/l		99
60) Dibromochloromethane	11.353	129	283361	106.227 ug/l		99
61) 1,2-Dibromoethane	11.465	107	230104	104.623 ug/l		98
64) Tetrachloroethene	11.100	164	209870	102.980 ug/l		98
65) Chlorobenzene	11.888	112	677679	103.482 ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	241593	100.517 ug/l		99
67) Ethyl Benzene	11.959	91	1239080	116.169 ug/l		99
68) m/p-Xylenes	12.070	106	927244	235.219 ug/l		99
69) o-Xylene	12.394	106	441279	117.135 ug/l		100
70) Styrene	12.406	104	760136	121.919 ug/l		99
71) Bromoform	12.576	173	186124	108.227 ug/l	#	99
73) Isopropylbenzene	12.694	105	1146752	116.221 ug/l		100
74) N-amyl acetate	12.488	43	489217	110.308 ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	327767	94.039 ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	310115m	104.530 ug/l		
77) Bromobenzene	12.976	156	268616	104.200 ug/l		97
78) n-propylbenzene	13.029	91	1385353	118.600 ug/l		100
79) 2-Chlorotoluene	13.123	91	822258	108.767 ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	953066	116.938 ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	122508	111.544 ug/l		87
82) 4-Chlorotoluene	13.217	91	832317	110.574 ug/l		99
83) tert-Butylbenzene	13.435	119	797069	116.457 ug/l		98
84) 1,2,4-Trimethylbenzene	13.476	105	971729	119.625 ug/l		100
85) sec-Butylbenzene	13.611	105	1143885	120.587 ug/l		100
86) p-Isopropyltoluene	13.723	119	960747	100.111 ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	502960	105.943 ug/l		99
88) 1,4-Dichlorobenzene	13.811	146	498709	101.341 ug/l		97
89) n-Butylbenzene	14.053	91	842368	123.781 ug/l		98
90) Hexachloroethane	14.329	117	188541	104.405 ug/l		100
91) 1,2-Dichlorobenzene	14.100	146	470919	99.445 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	63846	100.313 ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	250787	113.946 ug/l		99
94) Hexachlorobutadiene	15.500	225	112899	96.619 ug/l		99
95) Naphthalene	15.635	128	756816	115.234 ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	238860	107.256 ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085438.D
Acq On : 14 Jan 2025 14:56
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Quant Time: Jan 15 01:41:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

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

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

ICAL Form

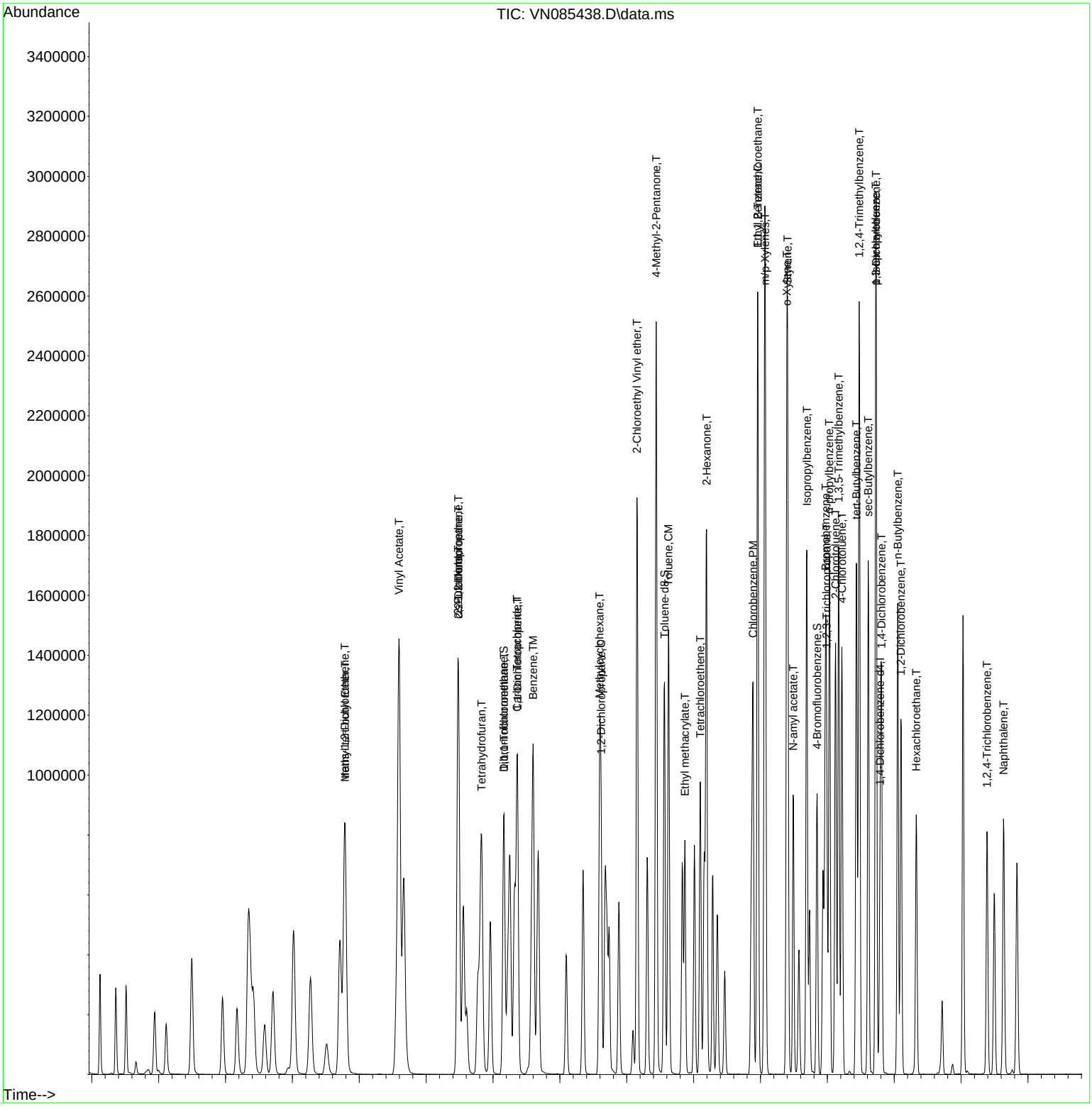
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Data File : VN085438.D
Acq On : 14 Jan 2025 14:56
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

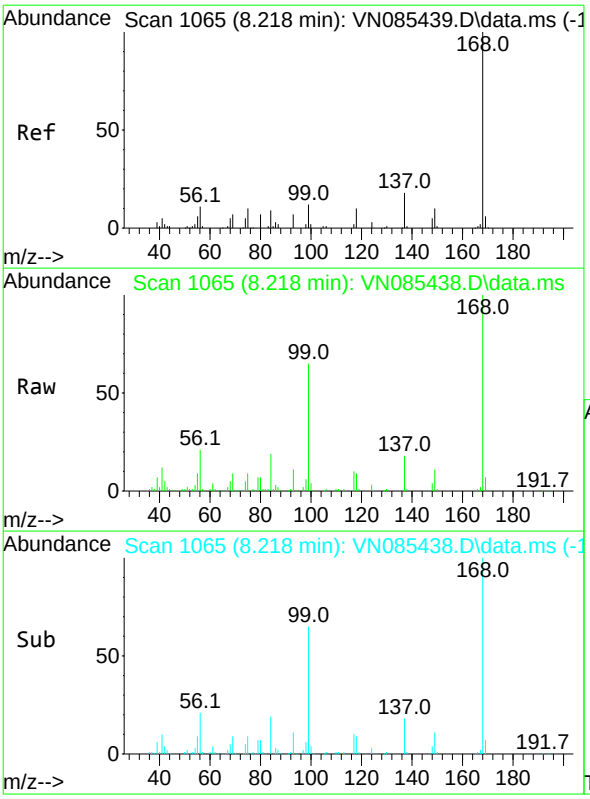
Quant Time: Jan 15 01:41:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

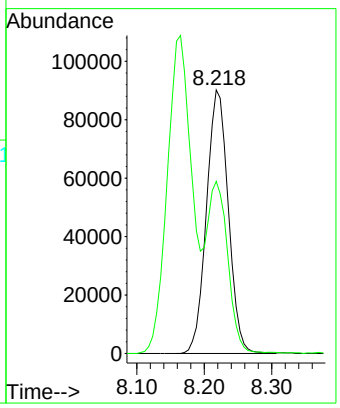




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion:168 Resp: 202613

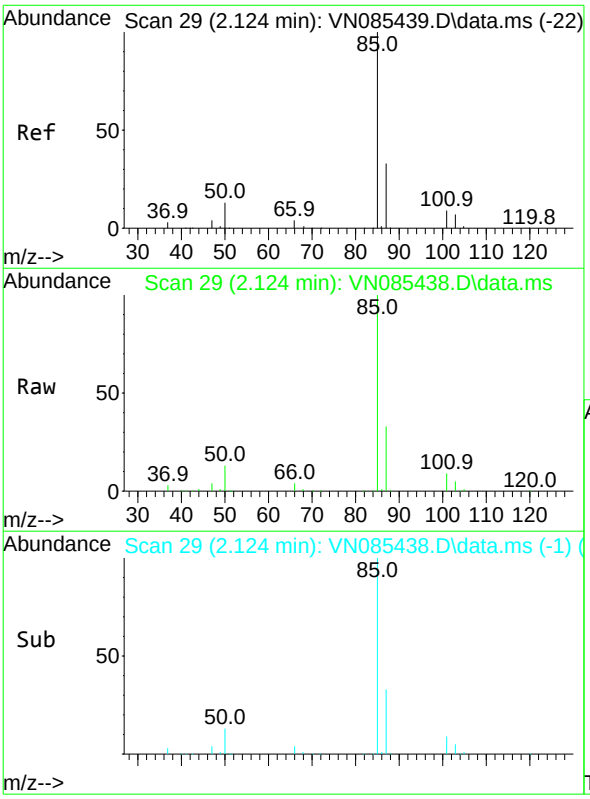
Ion	Ratio	Lower	Upper
168	100		
99	64.9	53.6	80.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

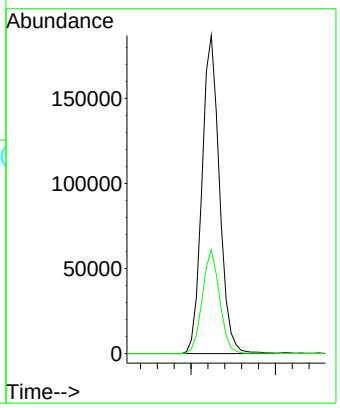
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

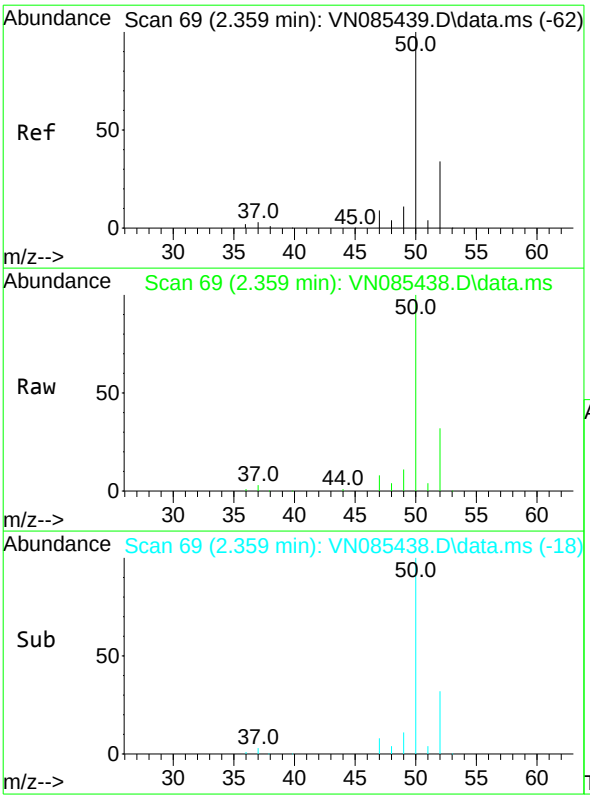


#2
Dichlorodifluoromethane
Concen: 98.065 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 85 Resp: 269023

Ion	Ratio	Lower	Upper
85	100		
87	32.7	16.7	50.1

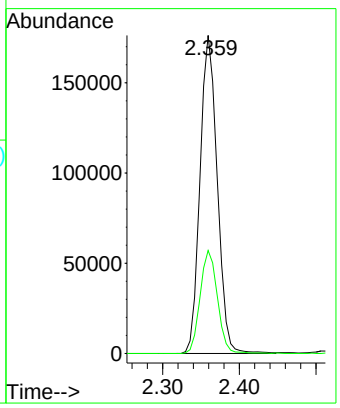




#3
Chloromethane
Concen: 92.724 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 50 Resp: 275415

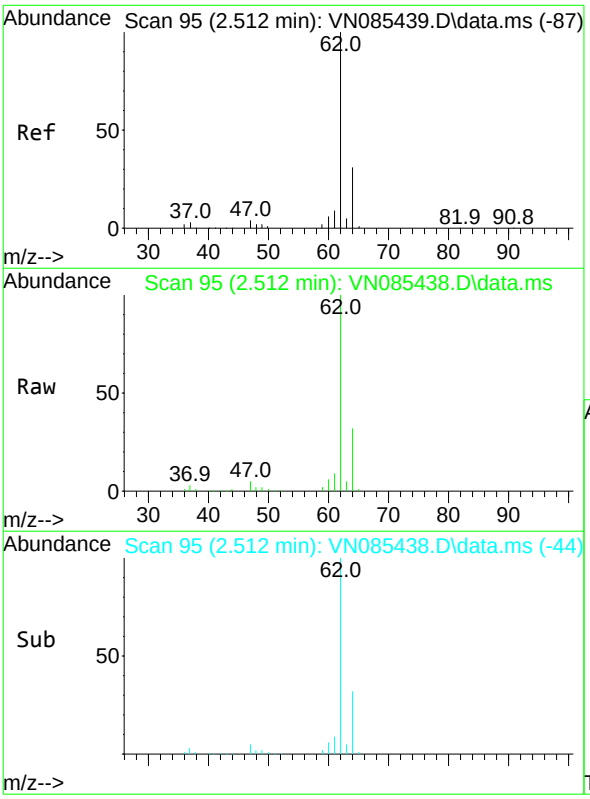
Ion	Ratio	Lower	Upper
50	100		
52	32.4	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

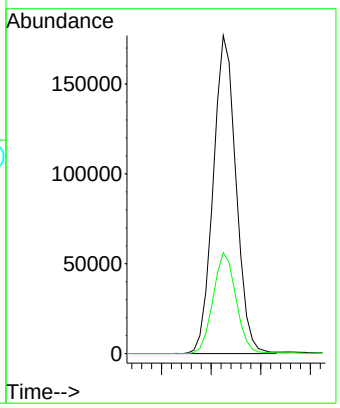
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

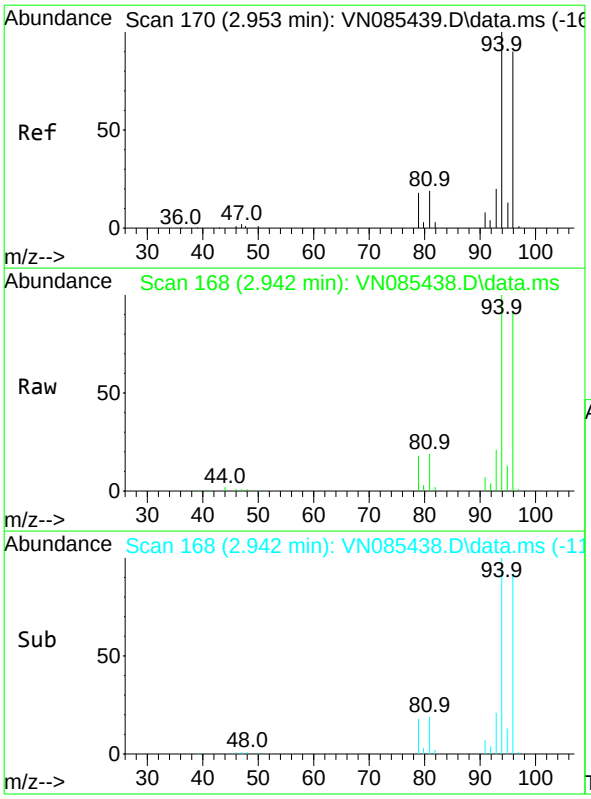


#4
Vinyl Chloride
Concen: 94.576 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 62 Resp: 282361

Ion	Ratio	Lower	Upper
62	100		
64	31.6	24.8	37.2

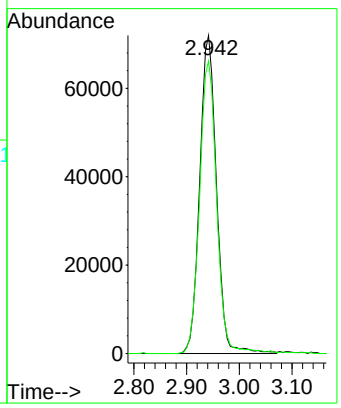




#5
Bromomethane
Concen: 88.105 ug/l
RT: 2.942 min Scan# 16
Delta R.T. -0.012 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 94 Resp: 158888

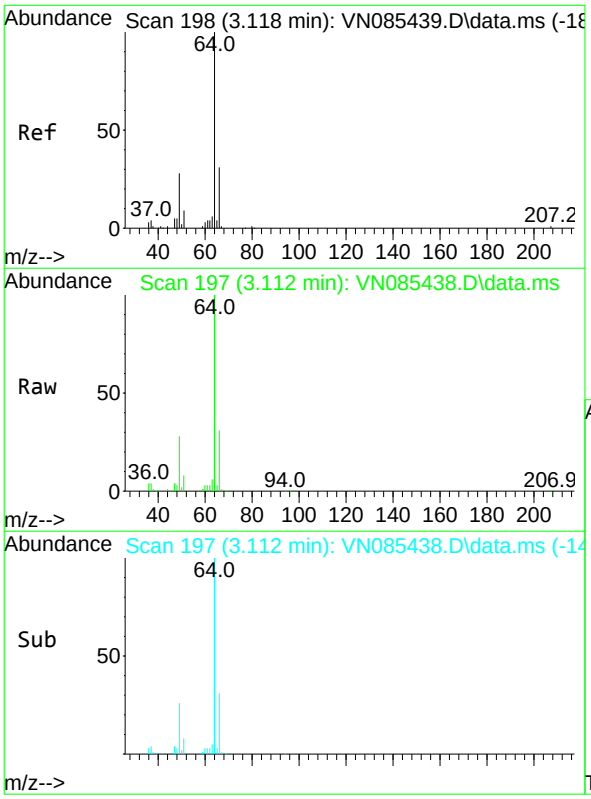
Ion	Ratio	Lower	Upper
94	100		
96	91.9	71.8	107.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

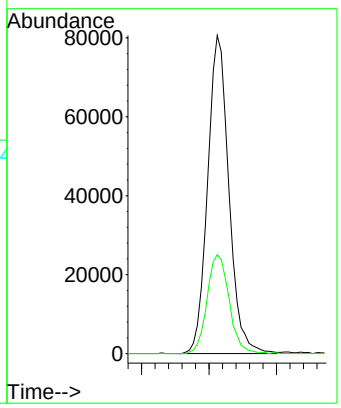
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

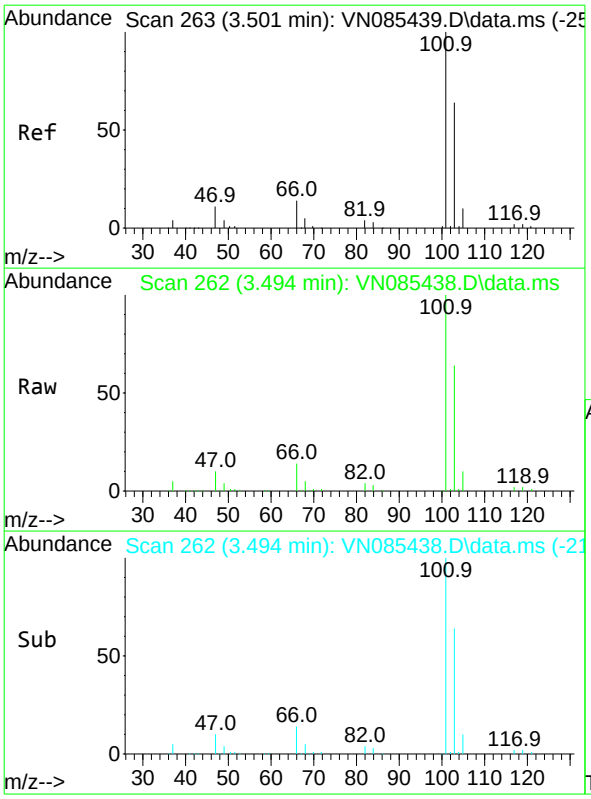


#6
Chloroethane
Concen: 93.043 ug/l
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 64 Resp: 176111

Ion	Ratio	Lower	Upper
64	100		
66	31.1	24.6	36.8

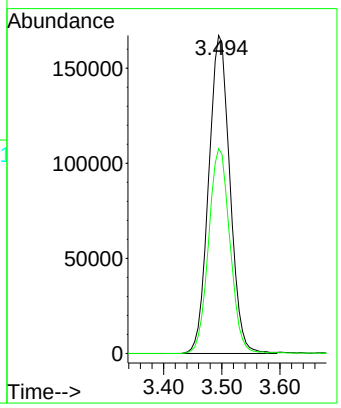




#7
Trichlorofluoromethane
Concen: 97.870 ug/l
RT: 3.494 min Scan# 26
Delta R.T. -0.006 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion:101 Resp: 423967

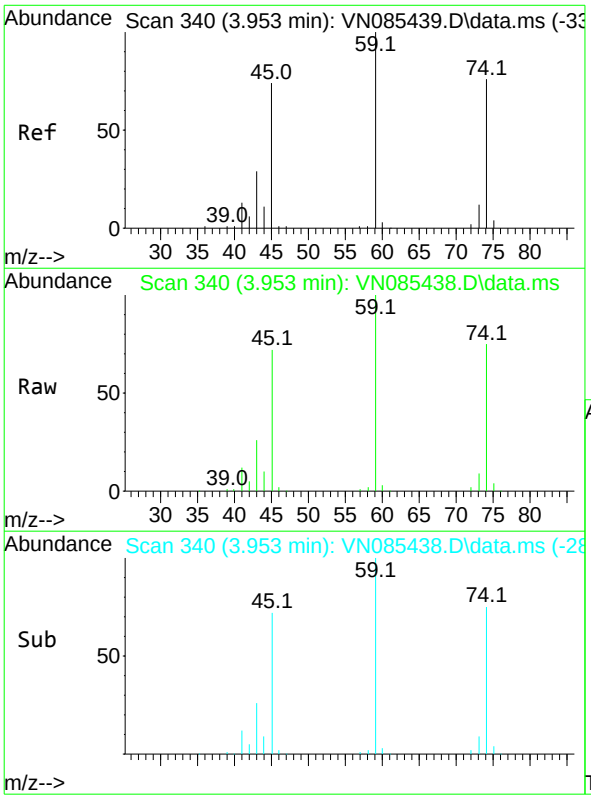
Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.4	77.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

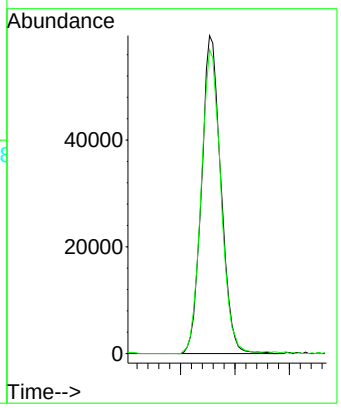
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

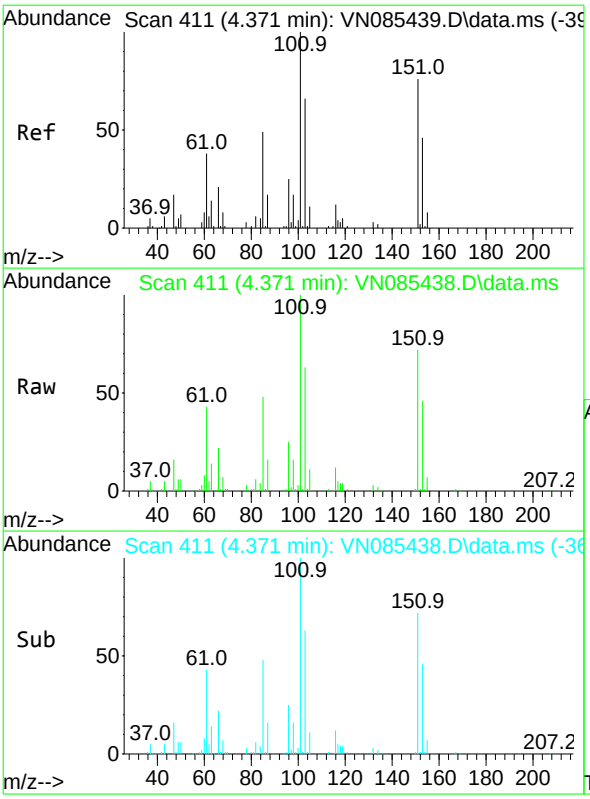


#8
Diethyl Ether
Concen: 98.154 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 74 Resp: 146889

Ion	Ratio	Lower	Upper
74	100		
45	97.4	49.7	149.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 97.997 ug/l
RT: 4.371 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

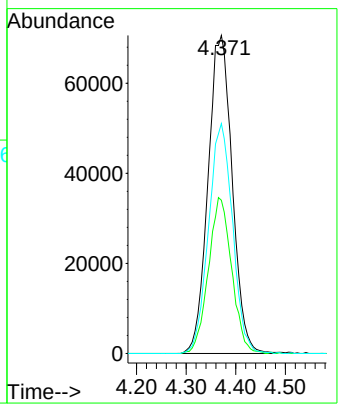
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

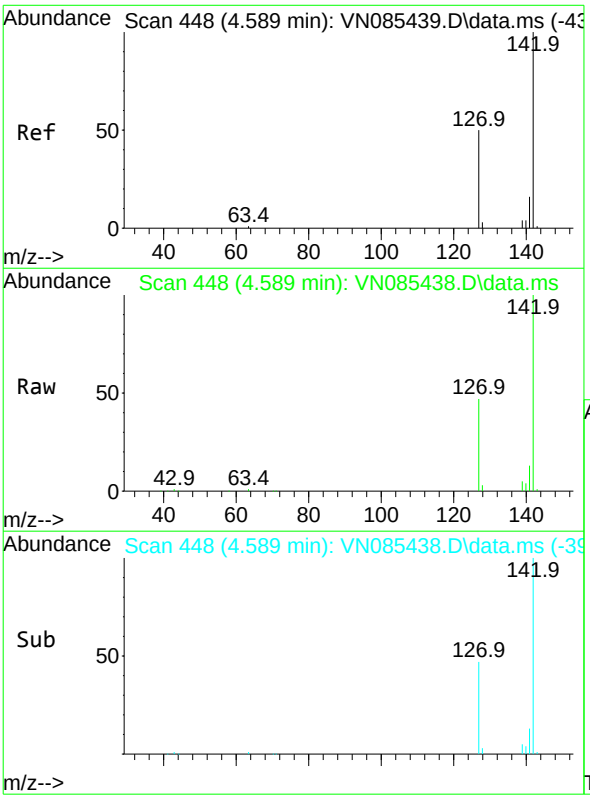
Tgt Ion:101 Resp: 239104

Ion	Ratio	Lower	Upper
101	100		
85	47.1	37.8	56.8
151	71.8	58.8	88.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

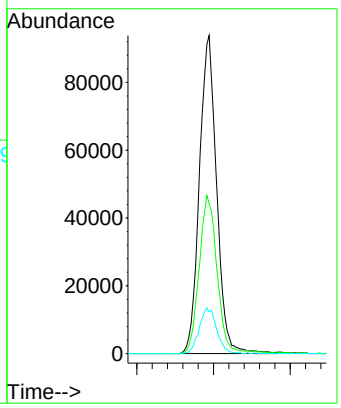


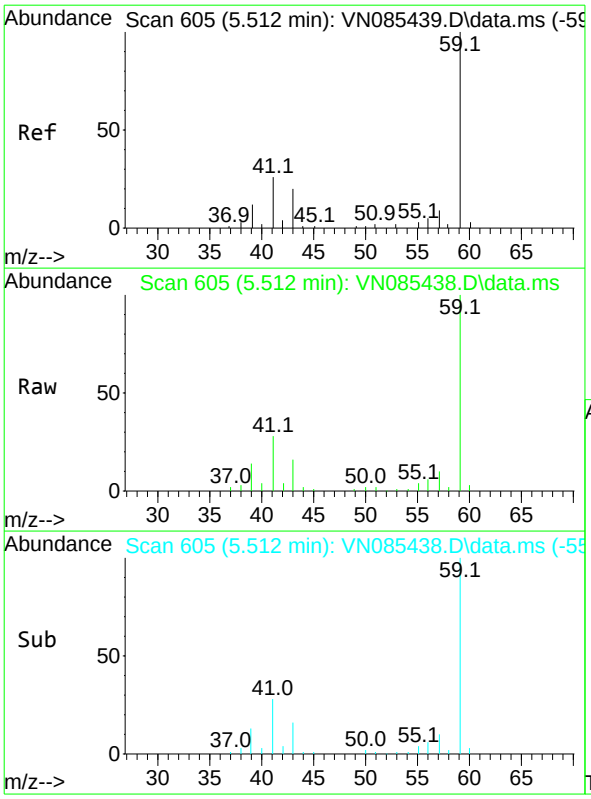


#10
Methyl Iodide
Concen: 104.856 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion:142 Resp: 292983

Ion	Ratio	Lower	Upper
142	100		
127	47.1	40.3	60.5
141	13.1	12.8	19.2





#11
Tert butyl alcohol
Concen: 462.061 ug/l
RT: 5.512 min Scan# 60
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

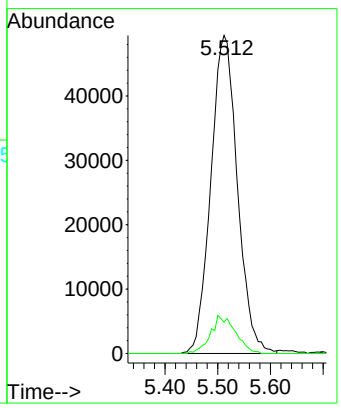
Tgt Ion: 59 Resp: 173044

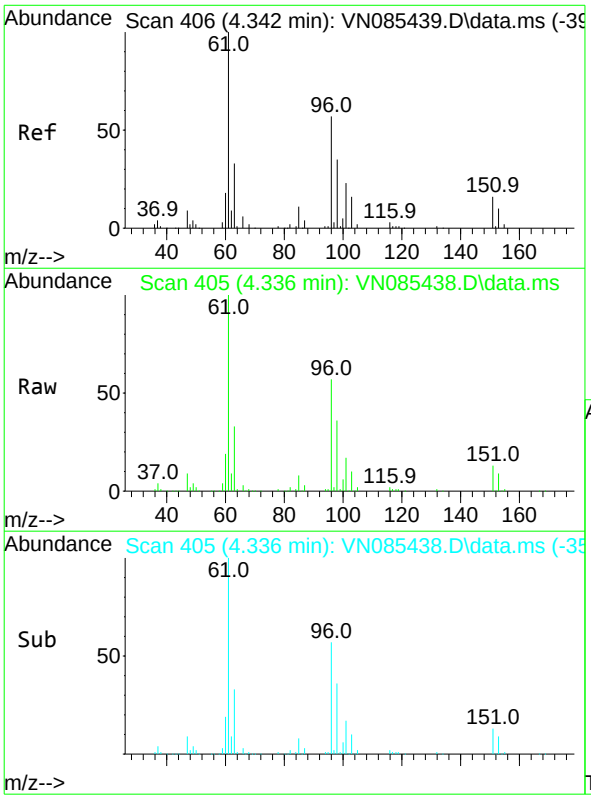
Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.6	13.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

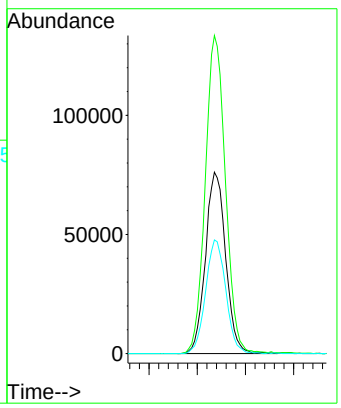


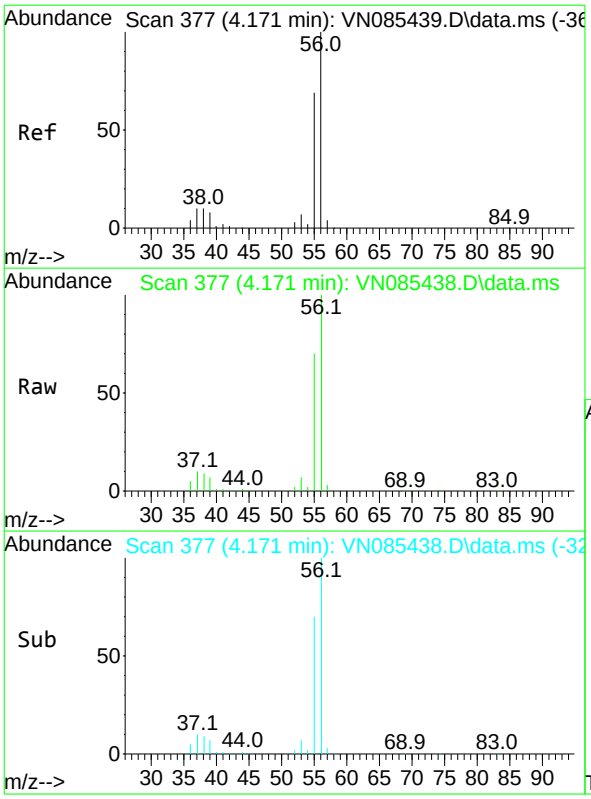


#12
1,1-Dichloroethene
Concen: 102.146 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.006 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 96 Resp: 222117

Ion	Ratio	Lower	Upper
96	100		
61	175.3	141.0	211.4
98	62.7	49.0	73.6

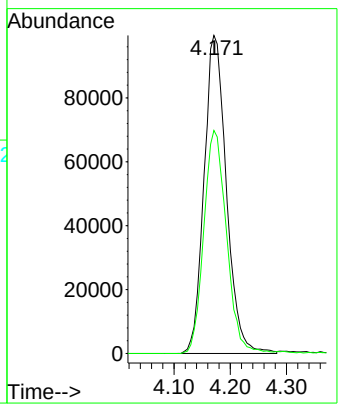




#13
Acrolein
Concen: 538.600 ug/l
RT: 4.171 min Scan# 37
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 56 Resp: 275350

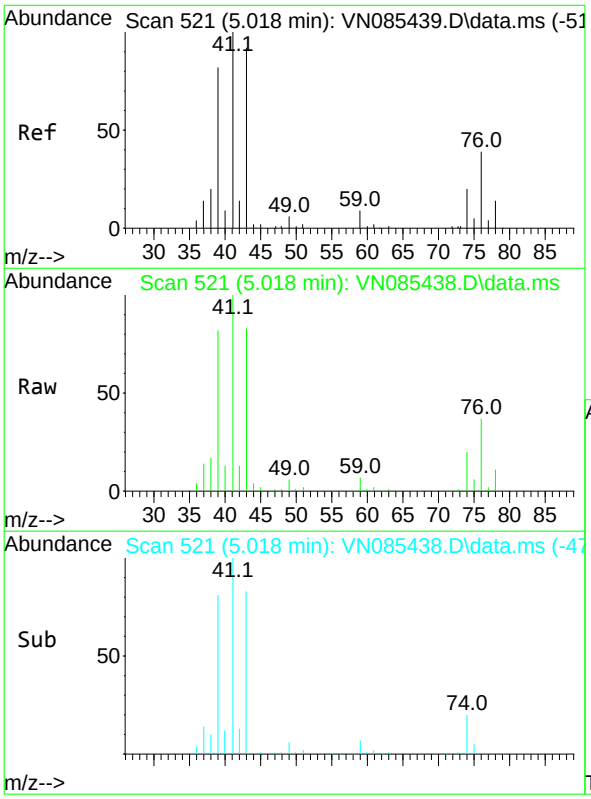
Ion	Ratio	Lower	Upper
56	100		
55	71.1	56.3	84.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

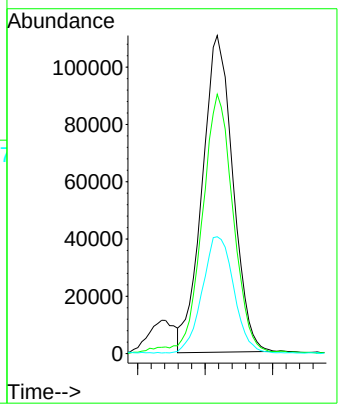
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

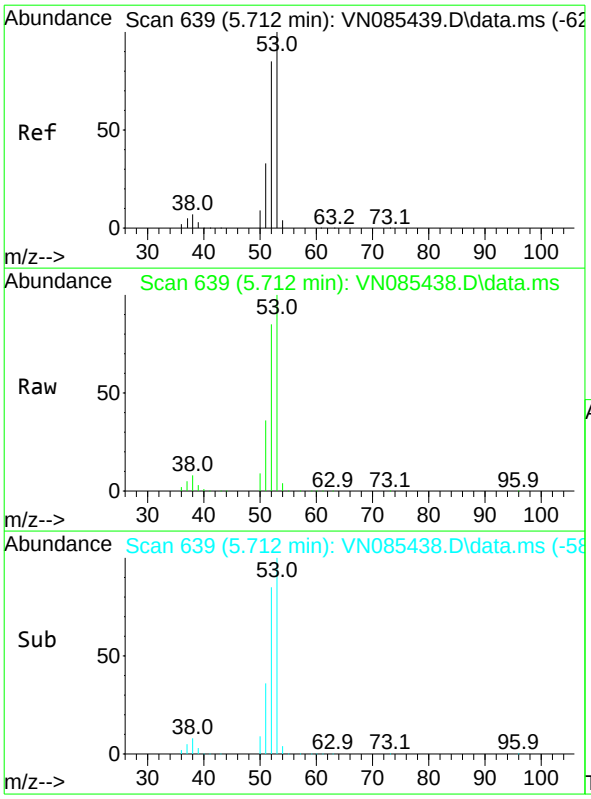


#14
Allyl chloride
Concen: 99.111 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 41 Resp: 349717

Ion	Ratio	Lower	Upper
41	100		
39	83.3	64.4	96.6
76	37.9	30.5	45.7

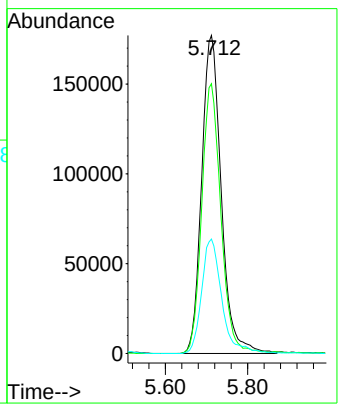




#15
Acrylonitrile
Concen: 492.095 ug/l
RT: 5.712 min Scan# 63
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 53 Resp: 585370

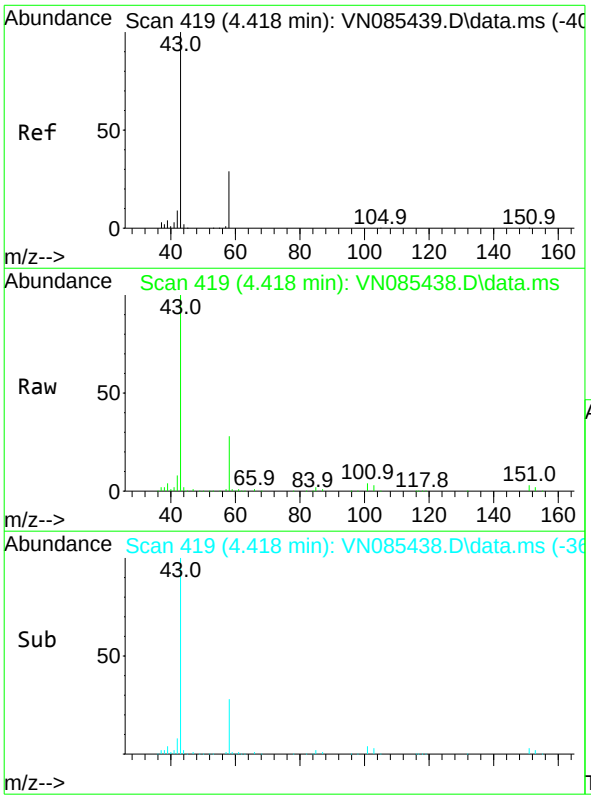
Ion	Ratio	Lower	Upper
53	100		
52	83.0	65.5	98.3
51	37.1	29.8	44.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

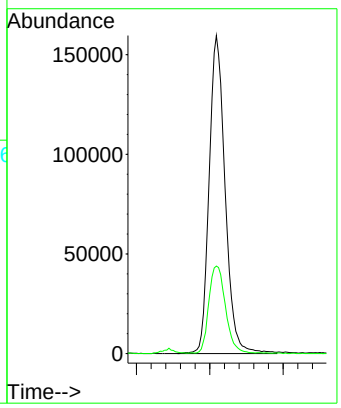
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

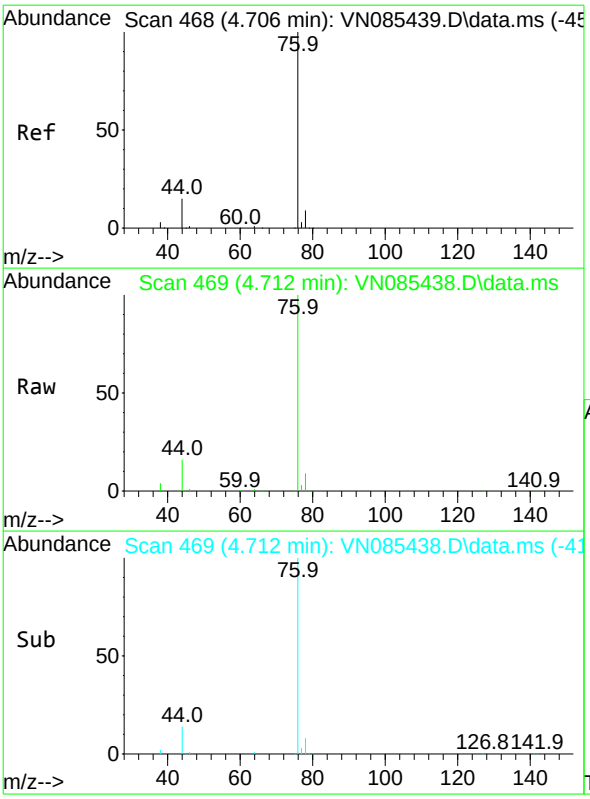


#16
Acetone
Concen: 457.268 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 43 Resp: 483221

Ion	Ratio	Lower	Upper
43	100		
58	27.3	23.8	35.6

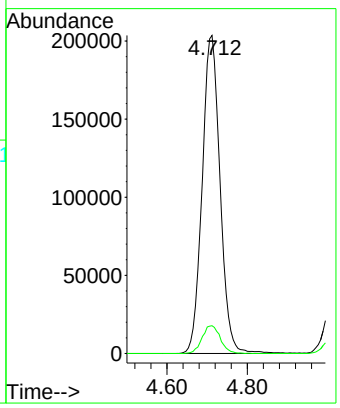




#17
Carbon Disulfide
Concen: 94.140 ug/l
RT: 4.712 min Scan# 46
Delta R.T. 0.006 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 76 Resp: 630294

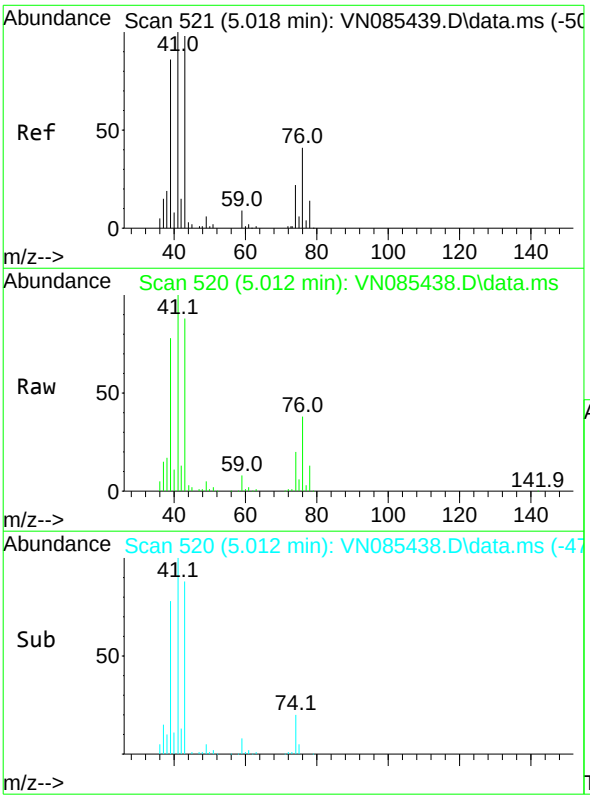
Ion	Ratio	Lower	Upper
76	100		
78	8.7	6.9	10.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

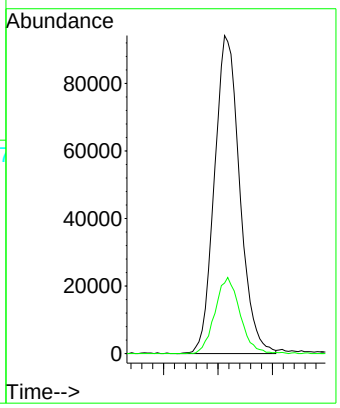
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

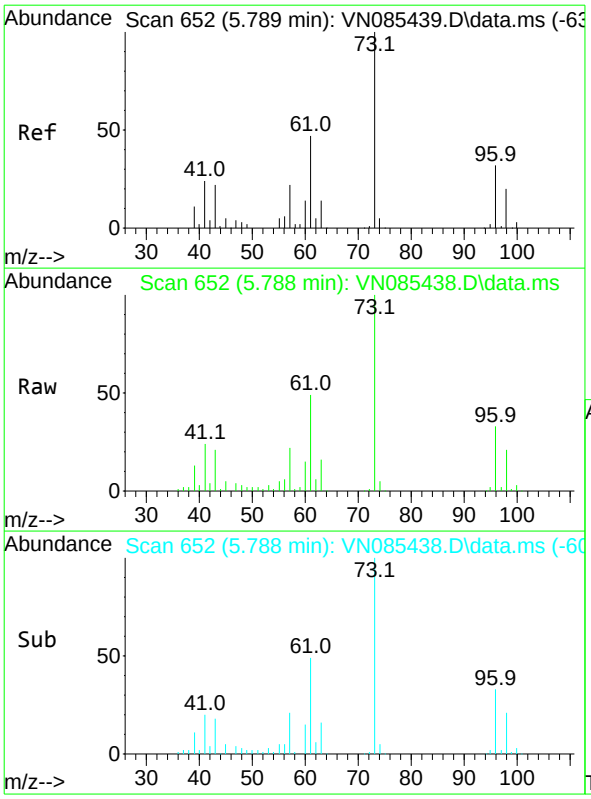


#18
Methyl Acetate
Concen: 94.674 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.006 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 43 Resp: 304226

Ion	Ratio	Lower	Upper
43	100		
74	23.6	18.6	28.0

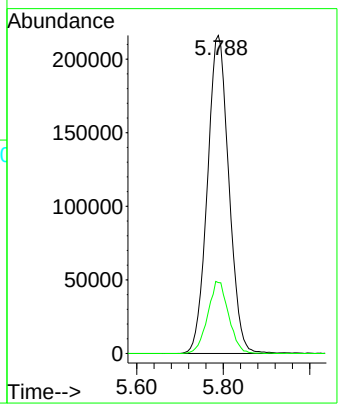




#19
Methyl tert-butyl Ether
Concen: 105.230 ug/l
RT: 5.788 min Scan# 65
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 73 Resp: 743008

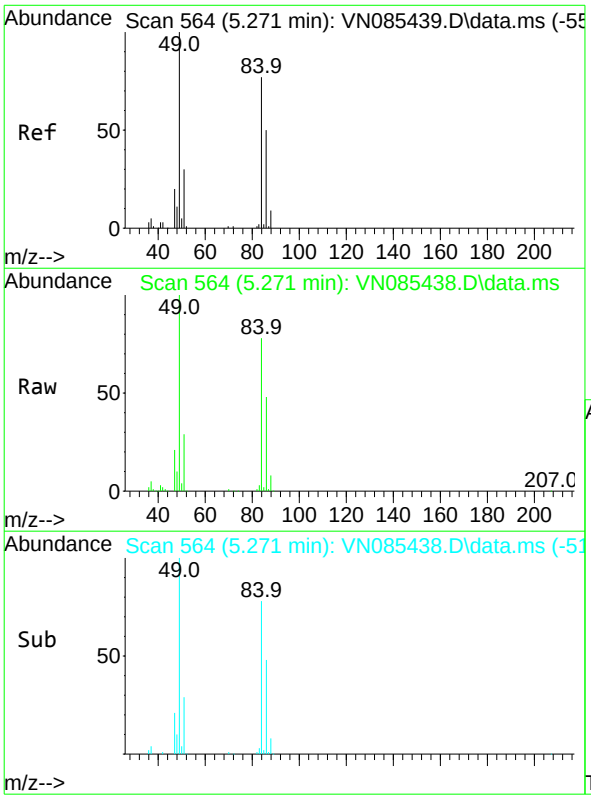
Ion	Ratio	Lower	Upper
73	100		
57	22.3	17.8	26.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

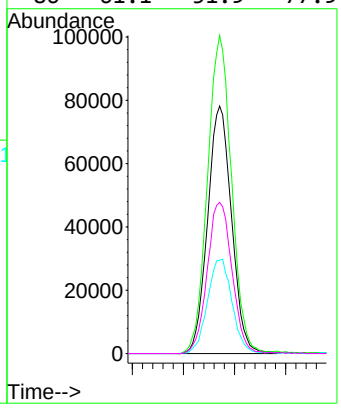
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

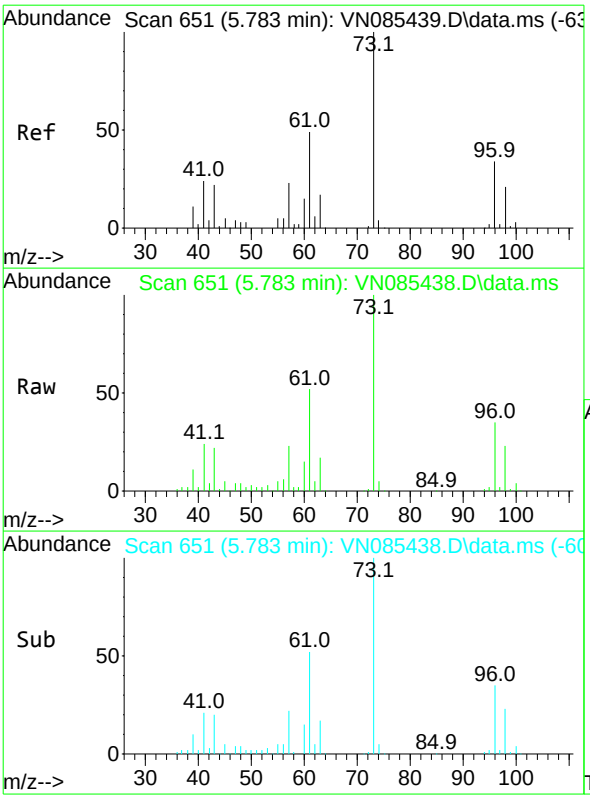


#20
Methylene Chloride
Concen: 97.440 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 84 Resp: 254912

Ion	Ratio	Lower	Upper
84	100		
49	128.5	104.1	156.1
51	37.8	31.0	46.4
86	61.1	51.9	77.9

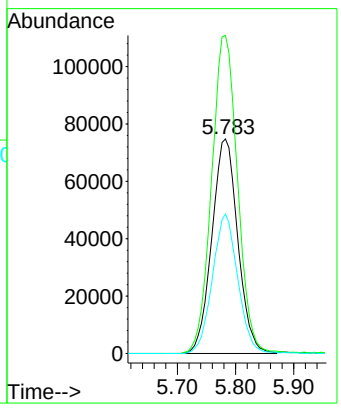




#21
trans-1,2-Dichloroethene
Concen: 99.618 ug/l
RT: 5.783 min Scan# 65
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 96 Resp: 231503

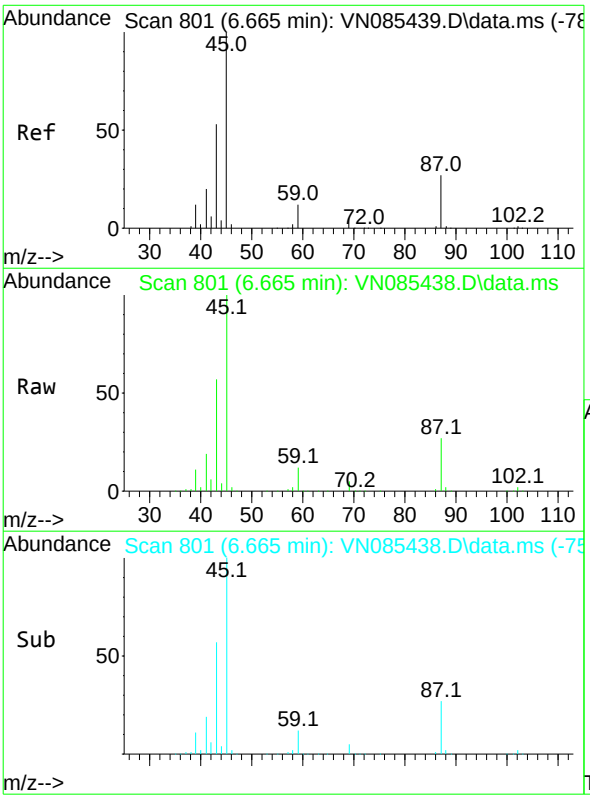
Ion	Ratio	Lower	Upper
96	100		
61	148.3	115.7	173.5
98	65.0	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
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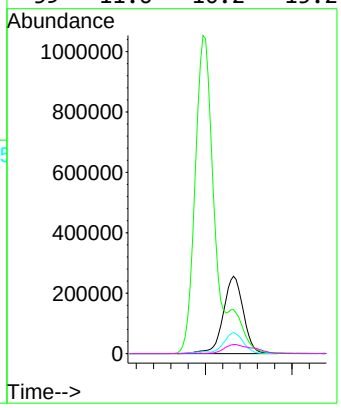
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

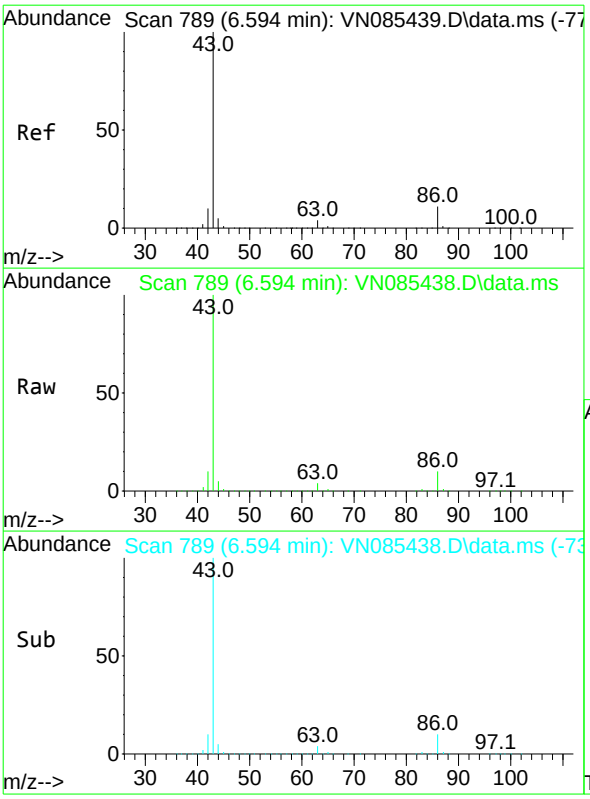


#22
Diisopropyl ether
Concen: 104.812 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 45 Resp: 820871

Ion	Ratio	Lower	Upper
45	100		
43	55.7	45.0	67.6
87	27.2	21.8	32.8
59	11.6	10.2	15.2

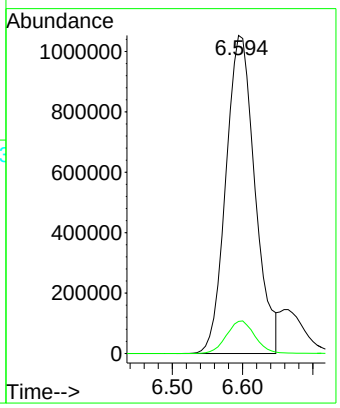




#23
Vinyl Acetate
Concen: 550.850 ug/l
RT: 6.594 min Scan# 78
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 43 Resp: 3029568

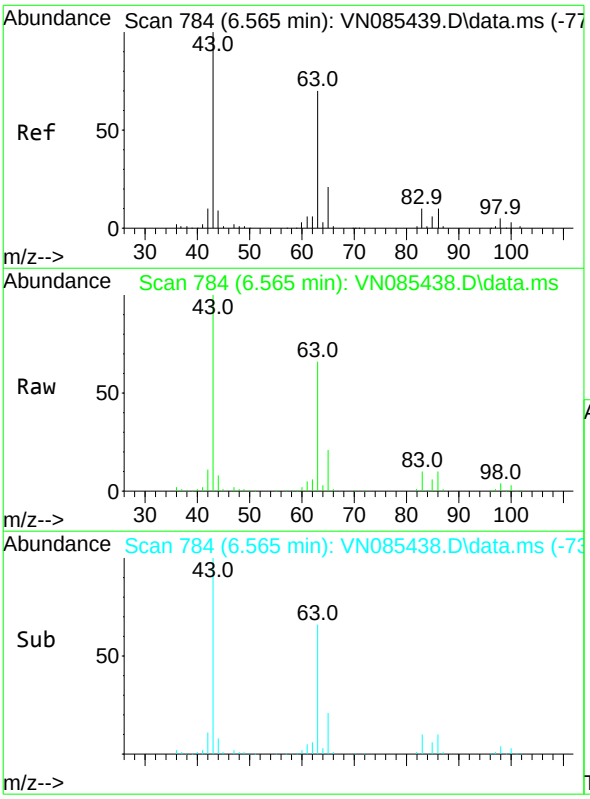
Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.4	12.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

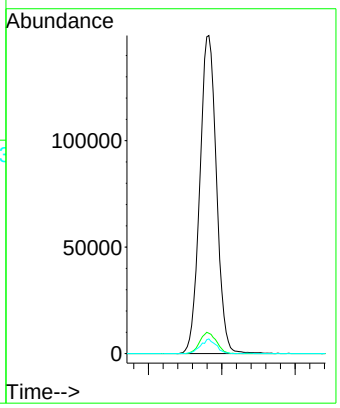
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

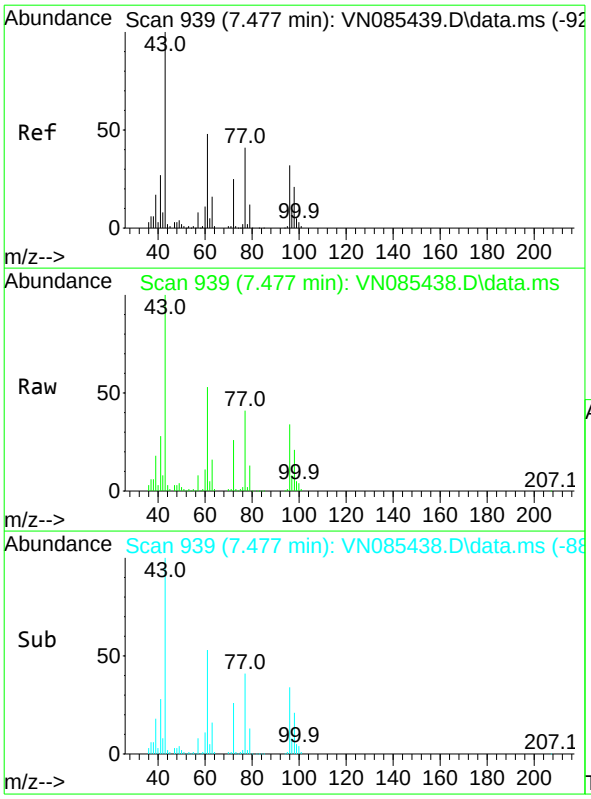


#24
1,1-Dichloroethane
Concen: 98.803 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 63 Resp: 471831

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.3	9.8
100	4.6	2.0	6.0

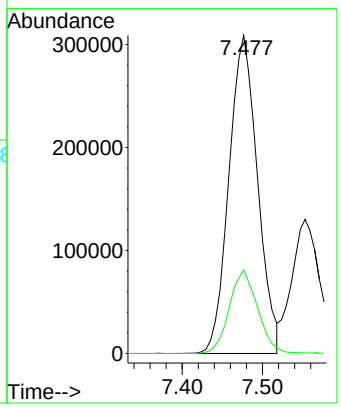




#25
2-Butanone
Concen: 491.912 ug/l
RT: 7.477 min Scan# 93
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 43 Resp: 764979

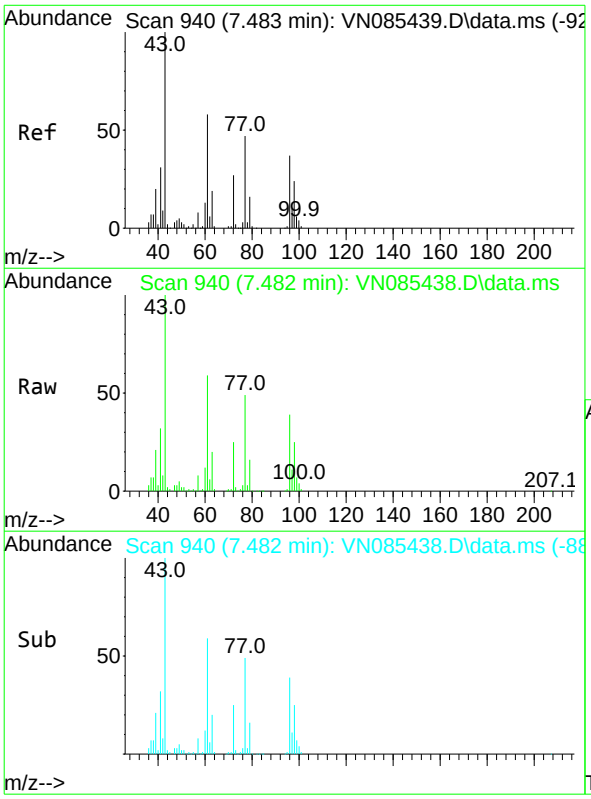
Ion	Ratio	Lower	Upper
43	100		
72	26.3	20.2	30.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

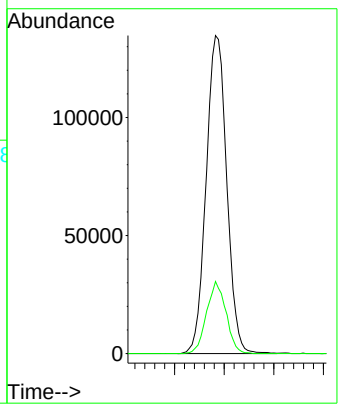
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

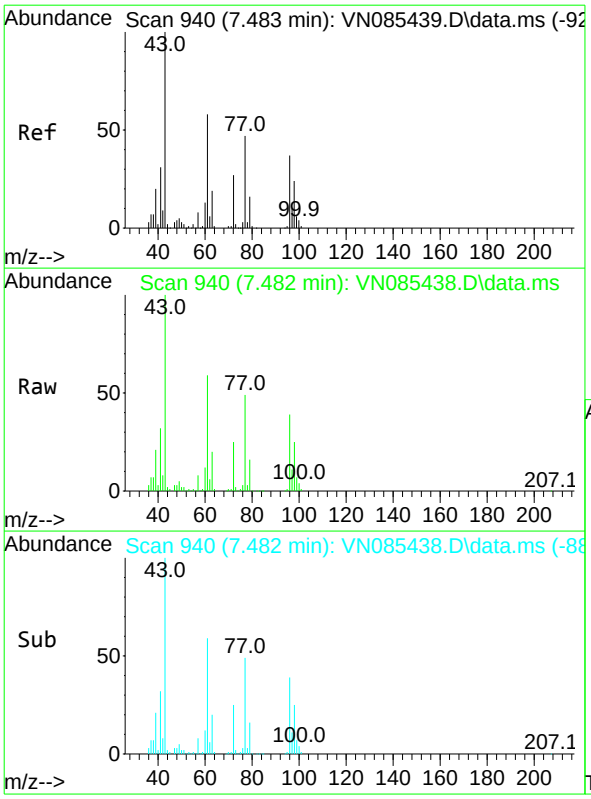


#26
2,2-Dichloropropane
Concen: 100.530 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 77 Resp: 388140

Ion	Ratio	Lower	Upper
77	100		
97	21.4	10.7	32.1





#27
cis-1,2-Dichloroethene
Concen: 102.367 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

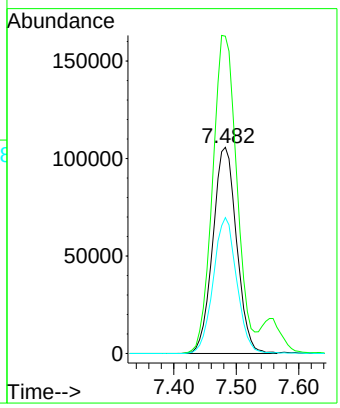
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

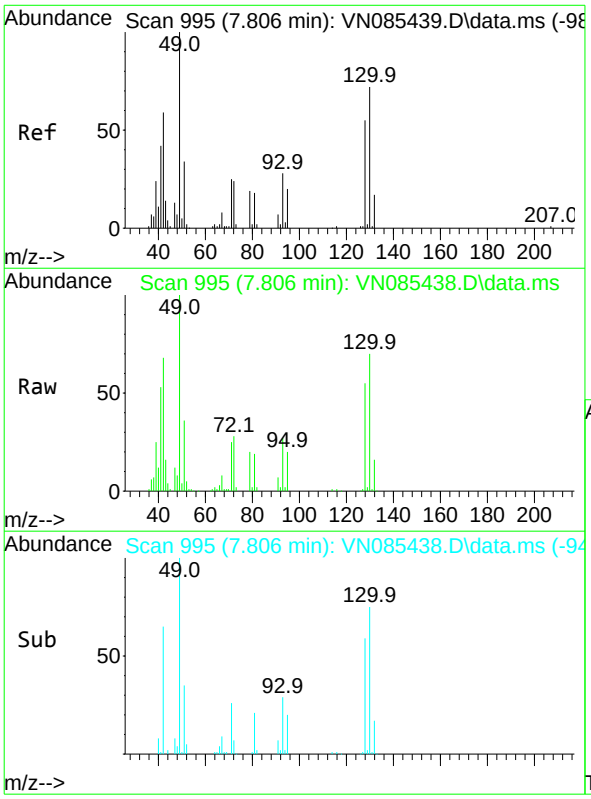
Tgt Ion: 96 Resp: 280197

Ion	Ratio	Lower	Upper
96	100		
61	156.8	0.0	311.8
98	65.0	0.0	126.0

Manual Integrations
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Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

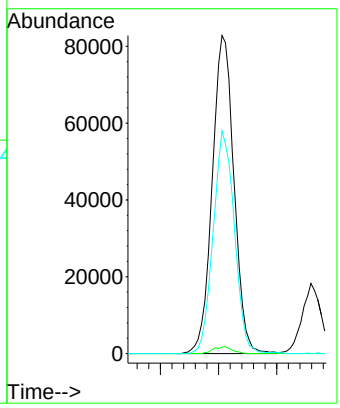


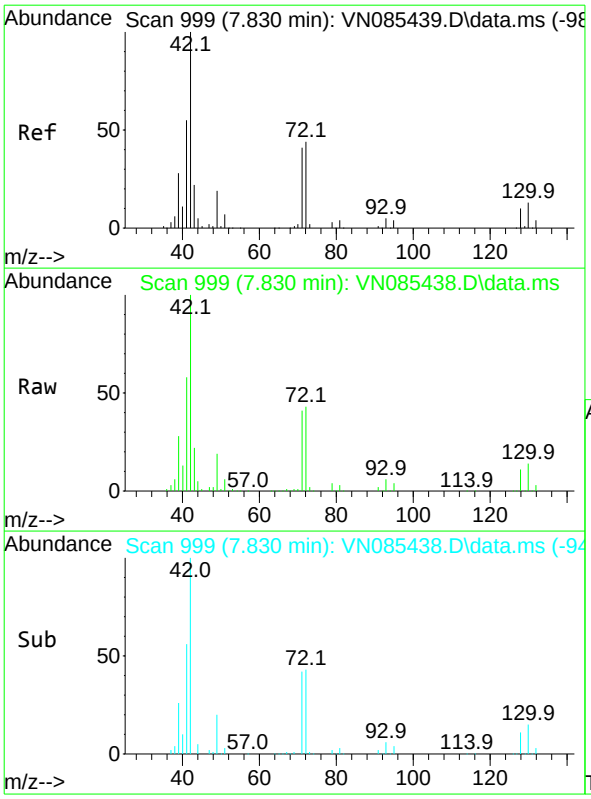


#28
Bromochloromethane
Concen: 96.679 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 49 Resp: 214796

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.4
130	68.4	55.0	82.4

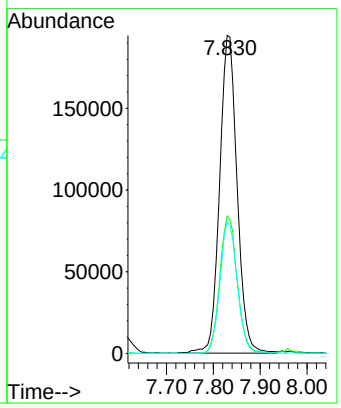




#29
Tetrahydrofuran
Concen: 510.635 ug/l
RT: 7.830 min Scan# 99
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 42 Resp: 503459

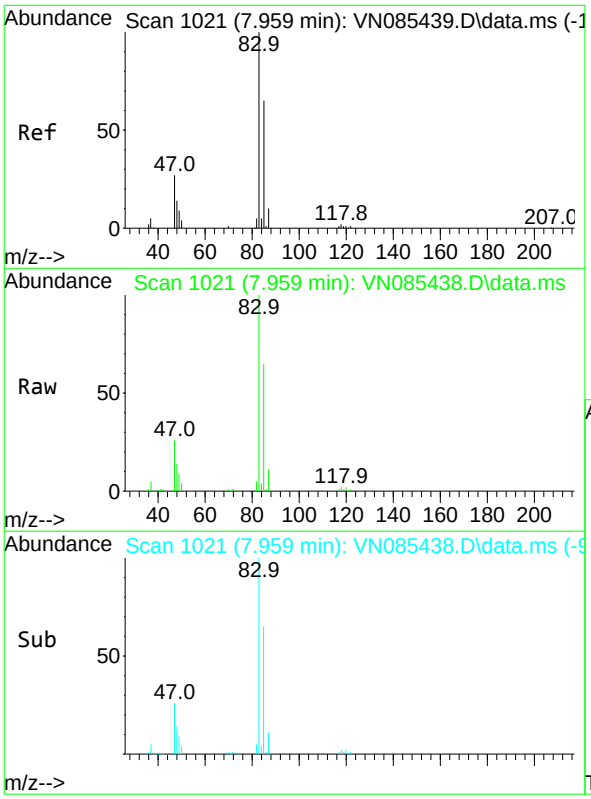
Ion	Ratio	Lower	Upper
42	100		
72	43.1	34.2	51.2
71	40.9	32.5	48.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

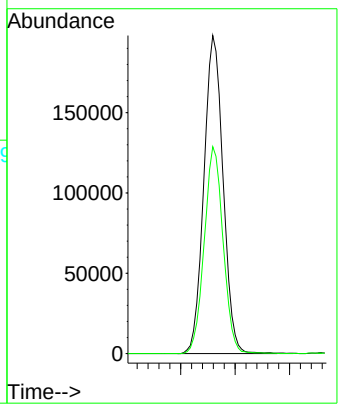
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

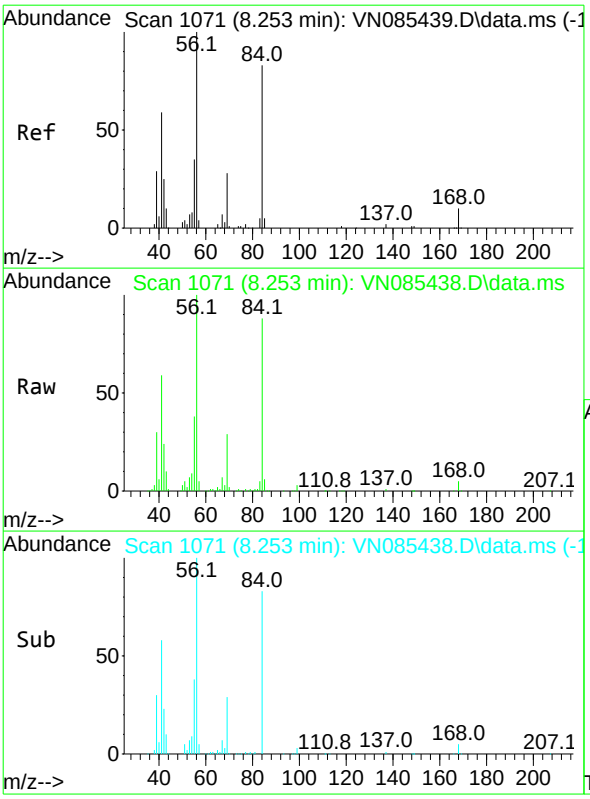


#30
Chloroform
Concen: 98.253 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 83 Resp: 484941

Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.8	77.6





#31
Cyclohexane
Concen: 96.041 ug/l
RT: 8.253 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

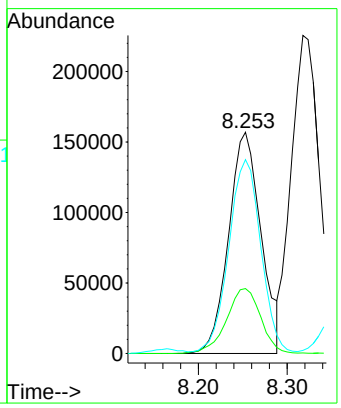
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

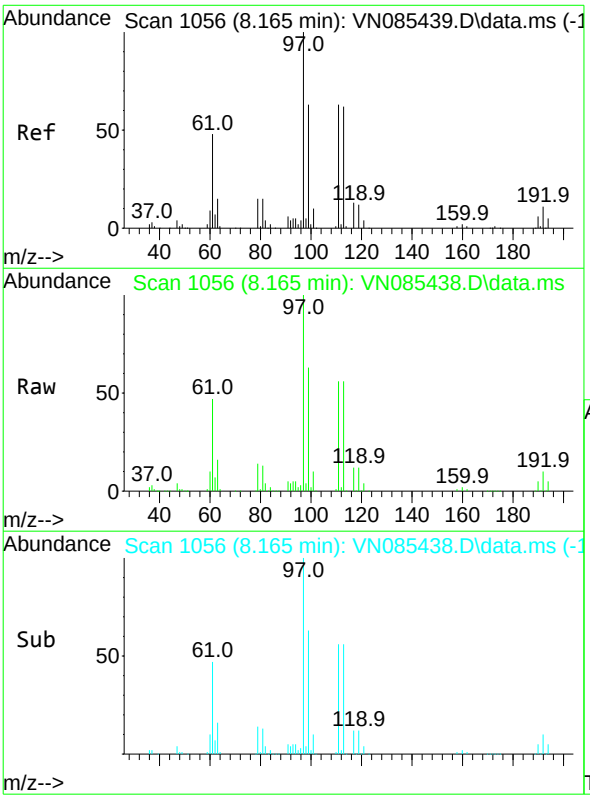
Tgt Ion: 56 Resp: 398641

Ion	Ratio	Lower	Upper
56	100		
69	29.2	22.2	33.4
84	86.4	66.4	99.6

Manual Integrations
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Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

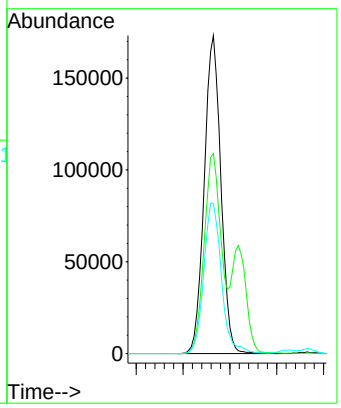


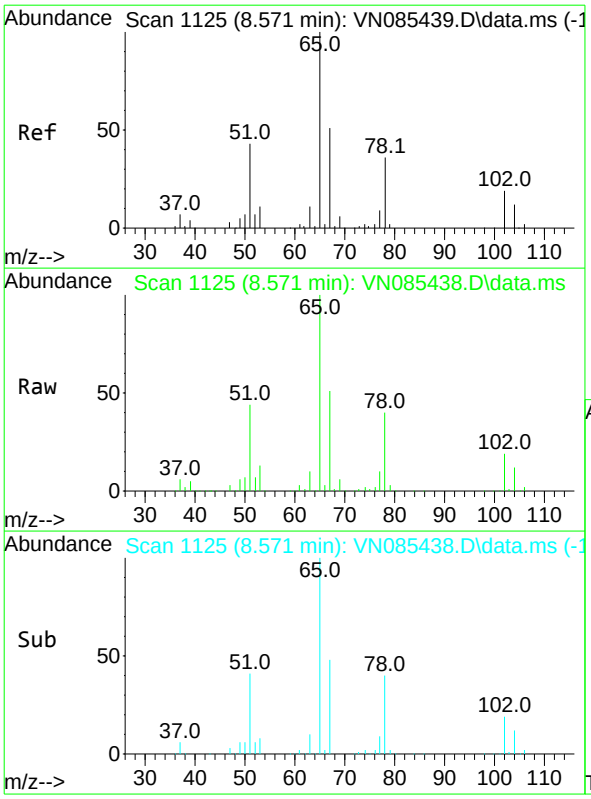


#32
1,1,1-Trichloroethane
Concen: 98.578 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 97 Resp: 426782

Ion	Ratio	Lower	Upper
97	100		
99	64.2	49.8	74.6
61	50.6	41.4	62.2





#33
1,2-Dichloroethane-d4
Concen: 95.899 ug/l
RT: 8.571 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

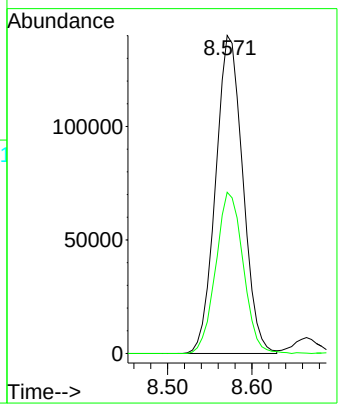
Tgt Ion: 65 Resp: 313645

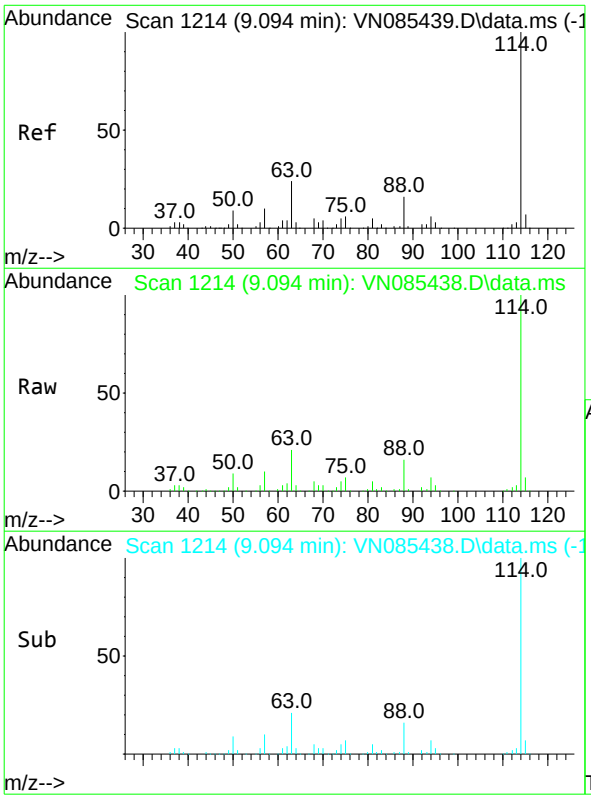
Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	101.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

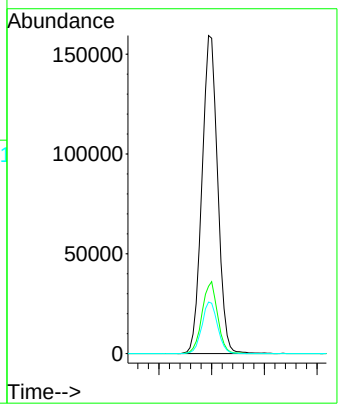


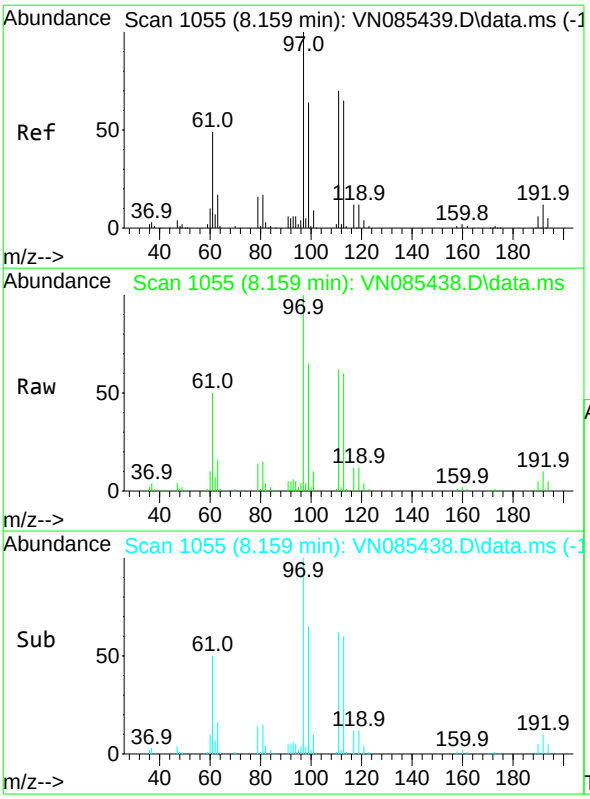


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion:114 Resp: 329363

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	47.6
88	16.2	0.0	32.6

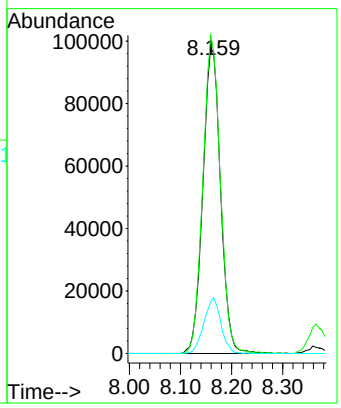




#35
Dibromofluoromethane
Concen: 103.353 ug/l
RT: 8.159 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion:113 Resp: 236159

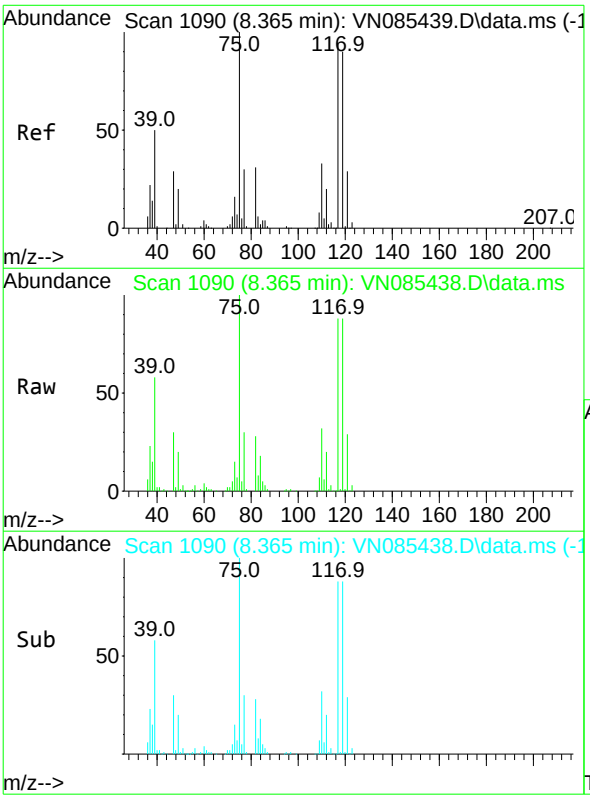
Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.7	124.1
192	17.4	14.3	21.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

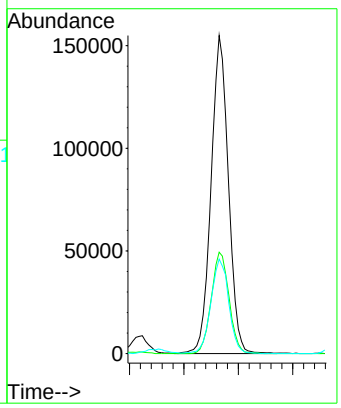
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

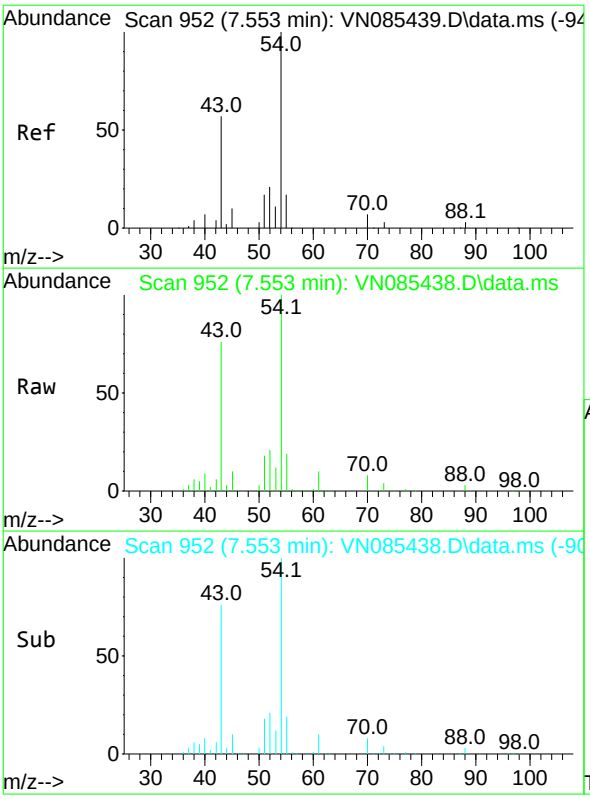


#36
1,1-Dichloropropene
Concen: 106.945 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 75 Resp: 342961

Ion	Ratio	Lower	Upper
75	100		
110	32.6	16.5	49.5
77	30.6	24.4	36.6





#37
Ethyl Acetate
Concen: 100.961 ug/l
RT: 7.553 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

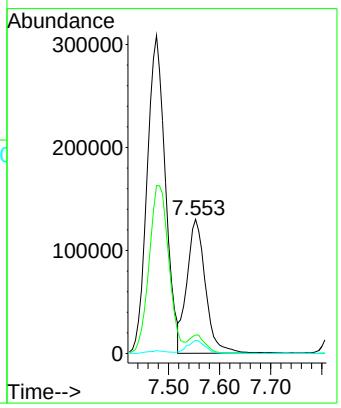
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

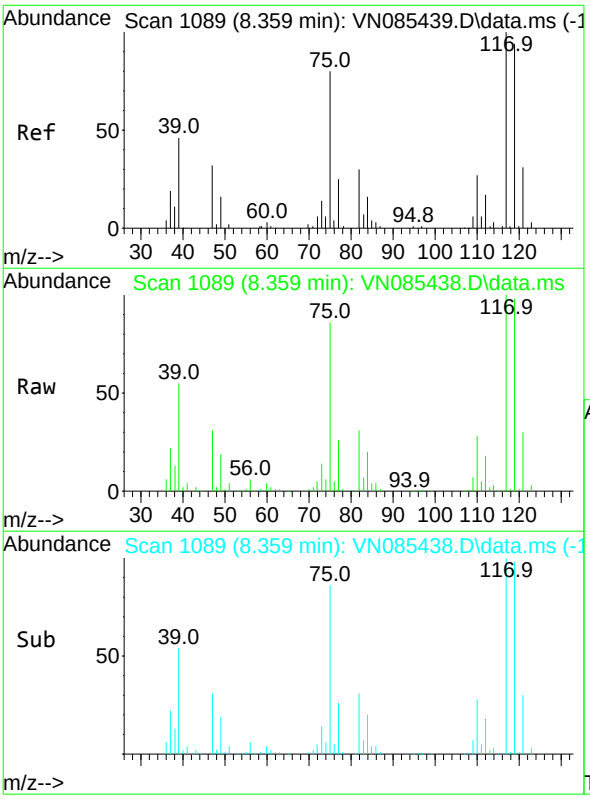
Tgt Ion: 43 Resp: 326802

Ion	Ratio	Lower	Upper
43	100		
61	12.0	10.9	16.3
70	9.6	7.5	11.3

Manual Integrations
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Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

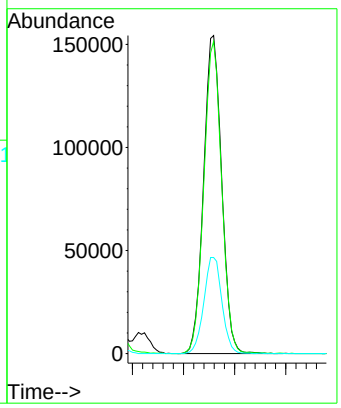


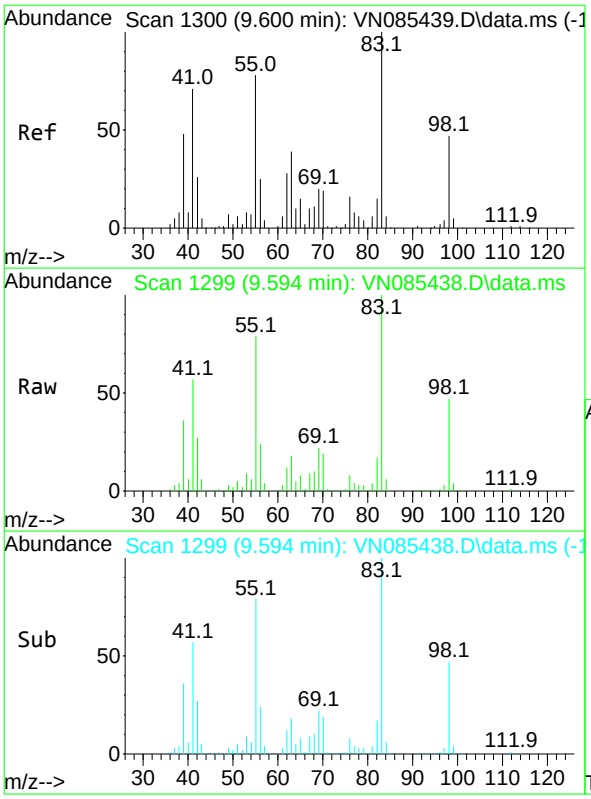


#38
Carbon Tetrachloride
Concen: 103.065 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion:117 Resp: 378390

Ion	Ratio	Lower	Upper
117	100		
119	98.1	75.4	113.2
121	30.2	24.6	37.0

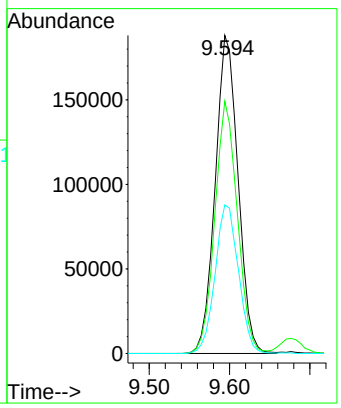




#39
Methylcyclohexane
Concen: 123.354 ug/l
RT: 9.594 min Scan# 12
Delta R.T. -0.006 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 83 Resp: 371734

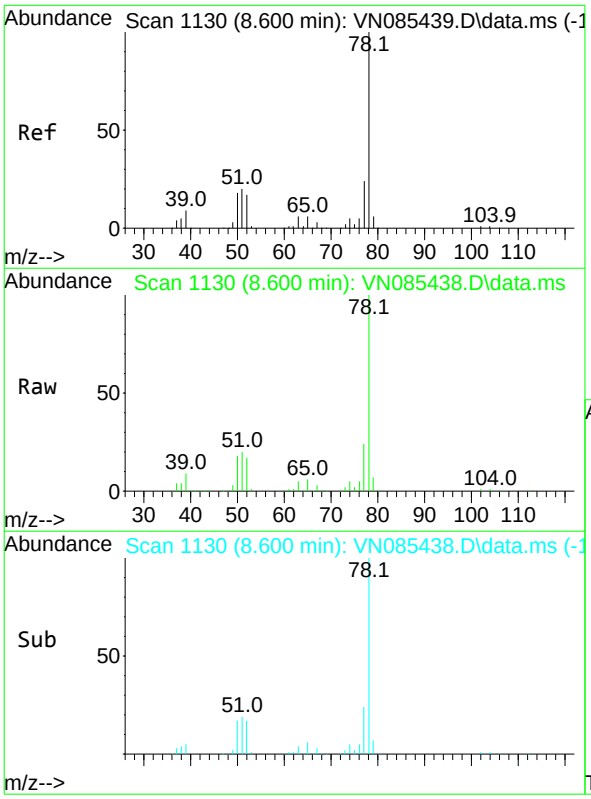
Ion	Ratio	Lower	Upper
83	100		
55	79.3	62.6	94.0
98	46.7	37.7	56.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
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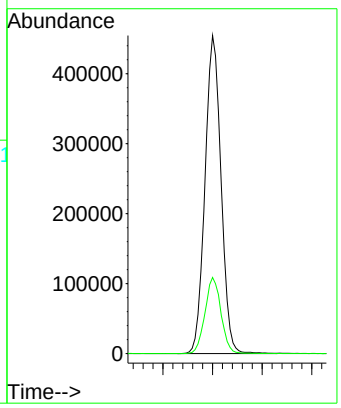
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

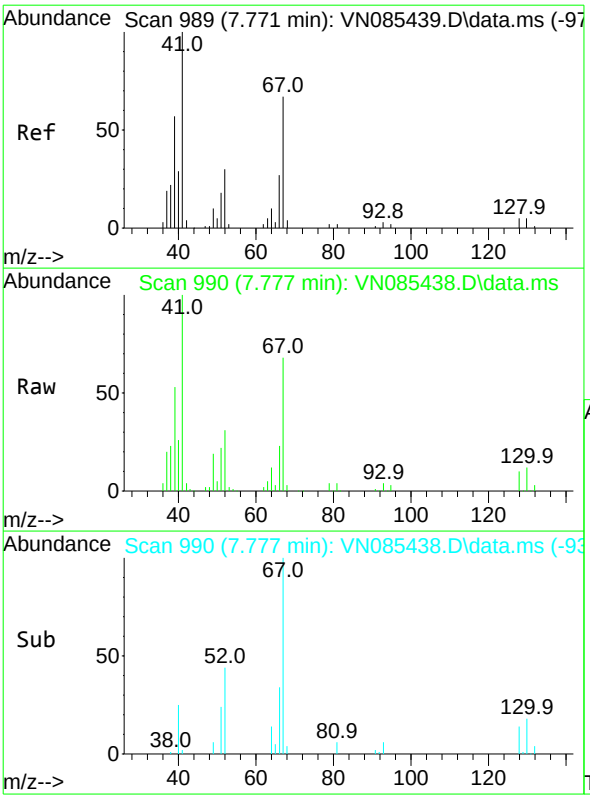


#40
Benzene
Concen: 106.001 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 78 Resp: 1021393

Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.6

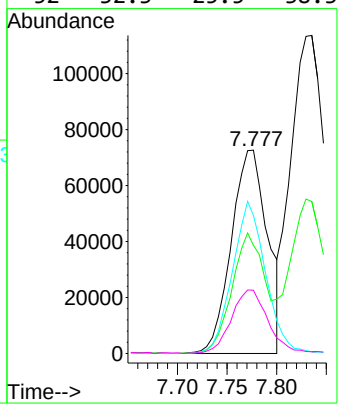




#41
Methacrylonitrile
Concen: 109.454 ug/l
RT: 7.777 min Scan# 99
Delta R.T. 0.006 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 41 Resp: 184326

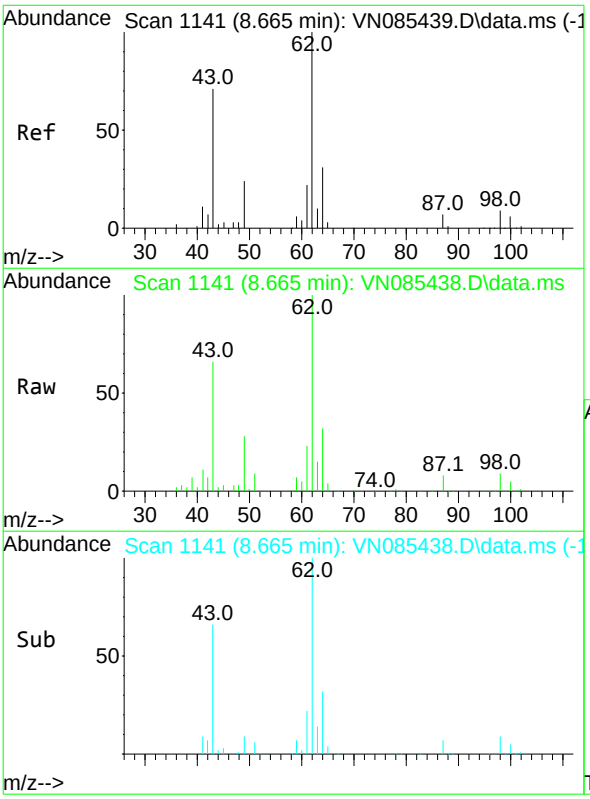
Ion	Ratio	Lower	Upper
41	100		
39	52.8	46.0	69.0
67	68.8	57.4	86.2
52	32.3	25.5	38.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
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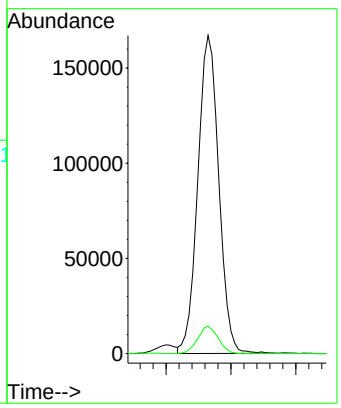
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

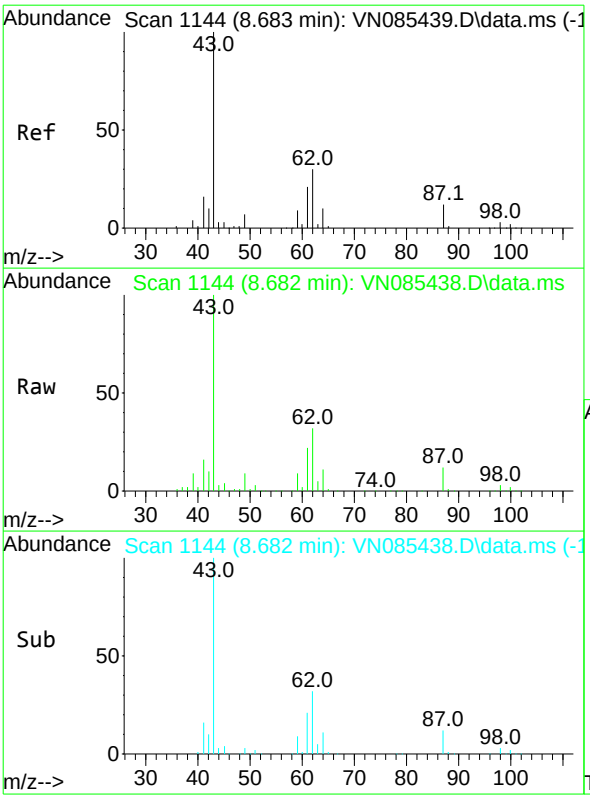


#42
1,2-Dichloroethane
Concen: 103.314 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 62 Resp: 374938

Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.0





#43
Isopropyl Acetate
Concen: 106.035 ug/l
RT: 8.682 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

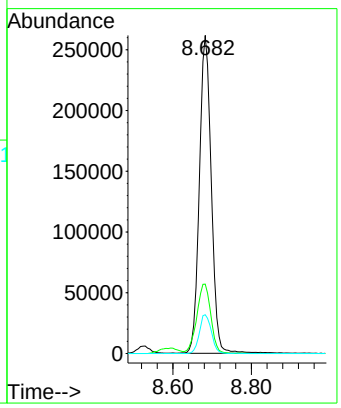
Tgt Ion: 43 Resp: 549969

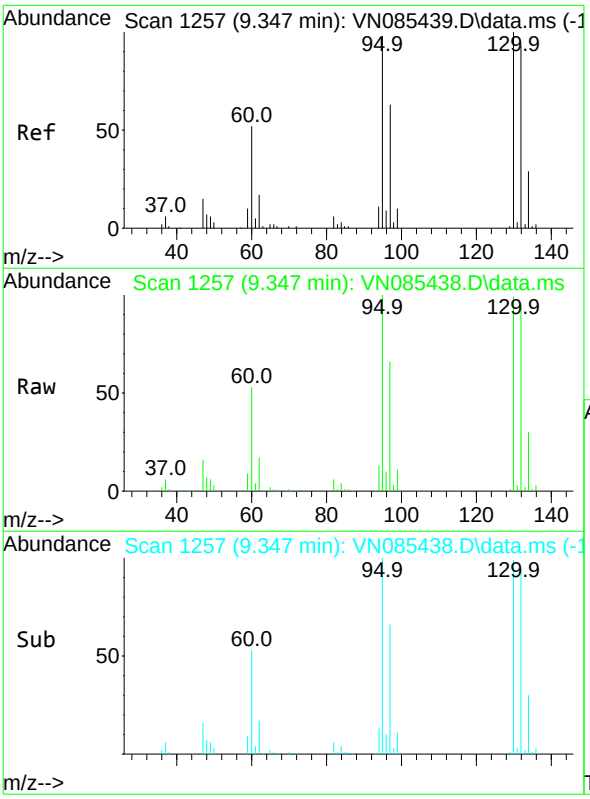
Ion	Ratio	Lower	Upper
43	100		
61	25.7	20.7	31.1
87	12.2	9.8	14.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

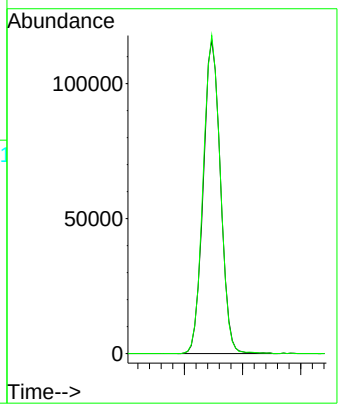


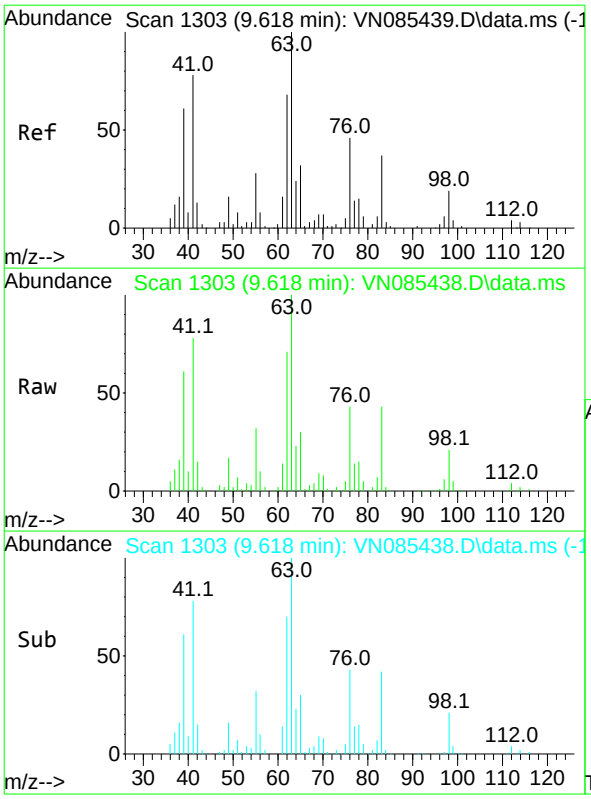


#44
Trichloroethene
Concen: 106.242 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion:130 Resp: 238296

Ion	Ratio	Lower	Upper
130	100		
95	101.5	0.0	195.8

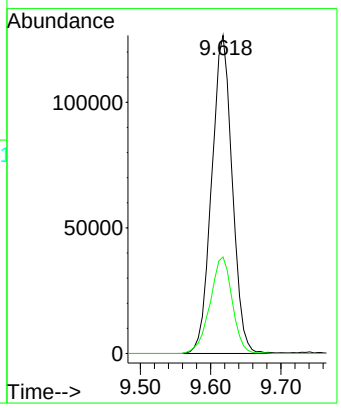




#45
1,2-Dichloropropane
Concen: 104.405 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 63 Resp: 256964

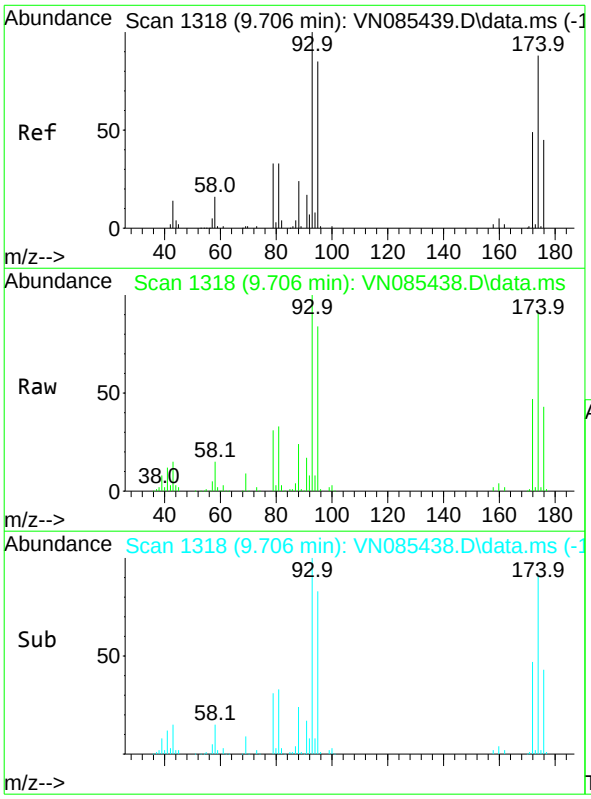
Ion	Ratio	Lower	Upper
63	100		
65	30.3	25.6	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
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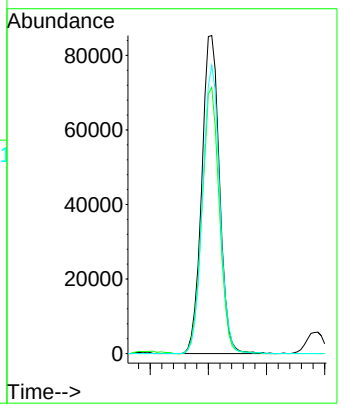
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

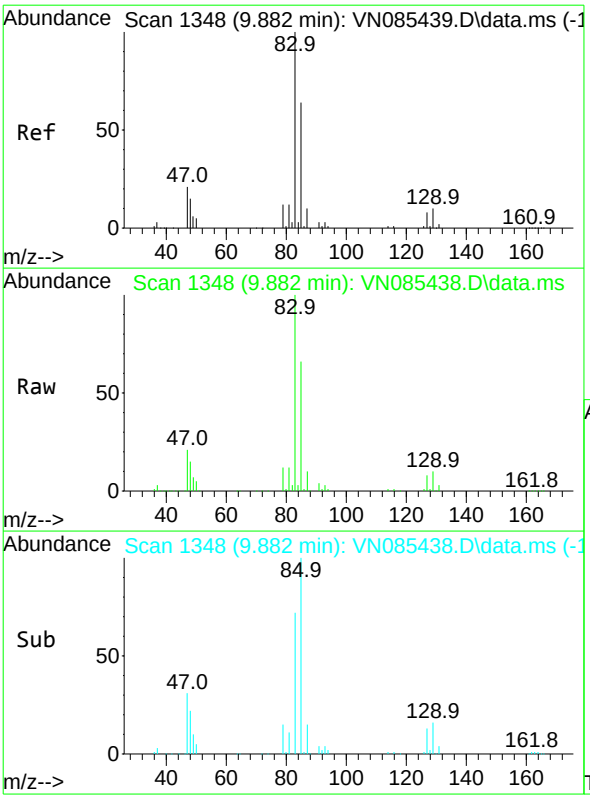


#46
Dibromomethane
Concen: 101.913 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 93 Resp: 180990

Ion	Ratio	Lower	Upper
93	100		
95	81.6	64.7	97.1
174	87.5	69.0	103.4

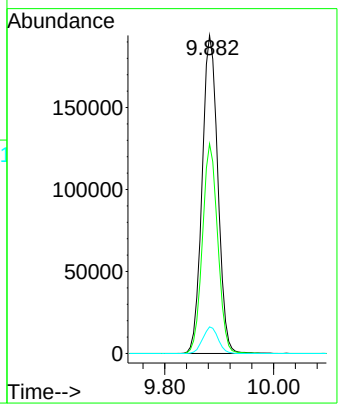




#47
Bromodichloromethane
Concen: 107.377 ug/l
RT: 9.882 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 83 Resp: 388499

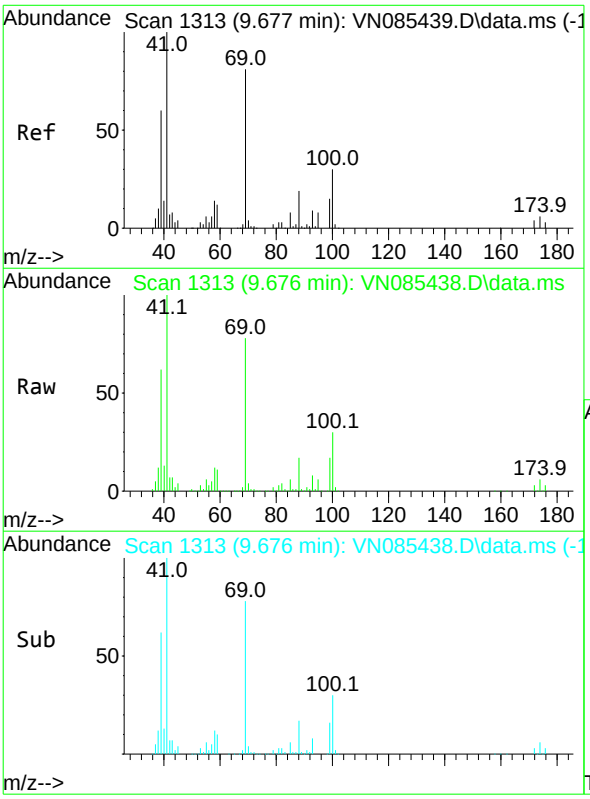
Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.2	76.8
127	8.4	6.5	9.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

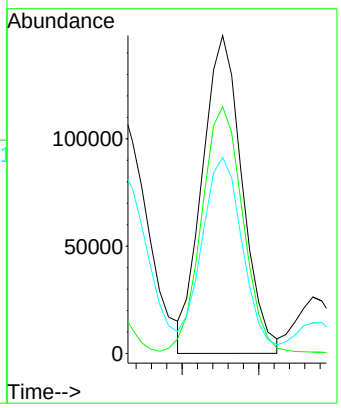
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

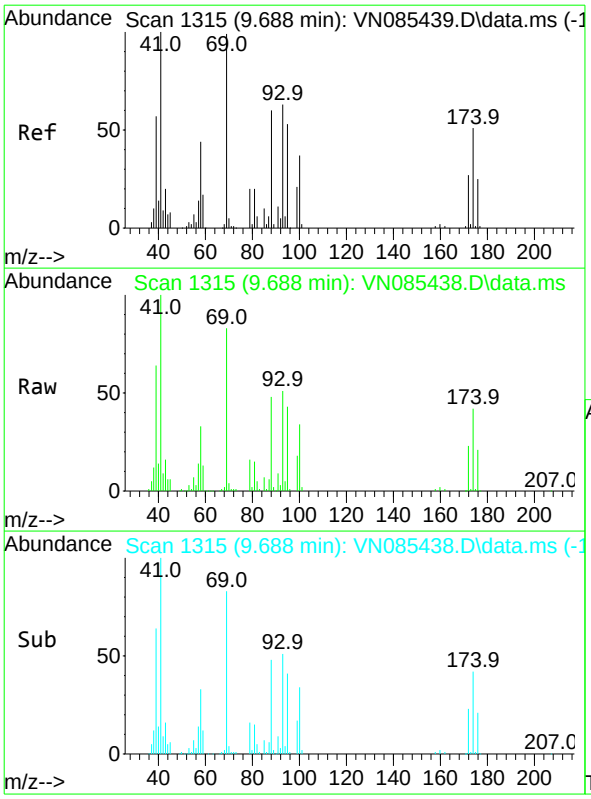


#48
Methyl methacrylate
Concen: 114.685 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.001 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 41 Resp: 267689

Ion	Ratio	Lower	Upper
41	100		
69	80.9	64.7	97.1
39	63.1	49.0	73.6





#49
1,4-Dioxane
Concen: 2133.992 ug/l
RT: 9.688 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

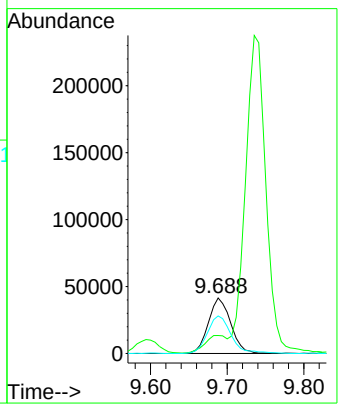
Tgt Ion: 88 Resp: 83879

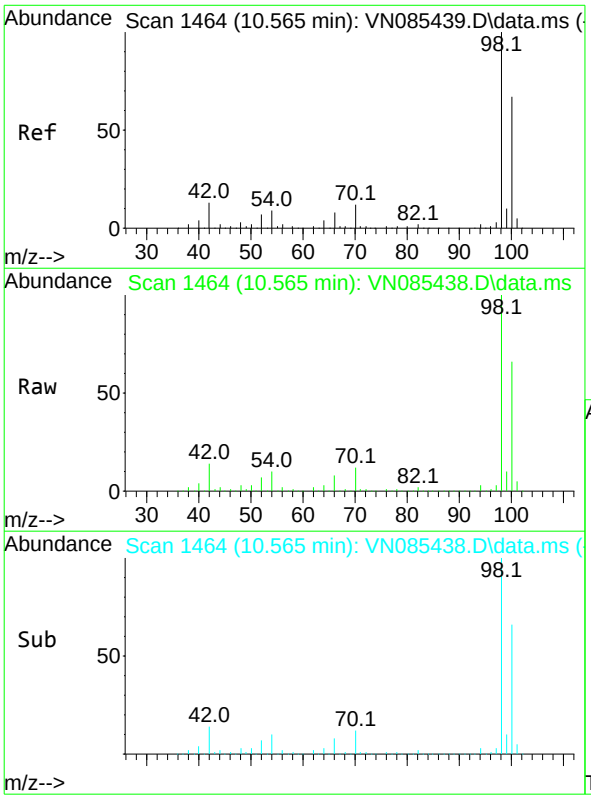
Ion	Ratio	Lower	Upper
88	100		
43	31.3	26.6	39.8
58	72.1	59.5	89.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

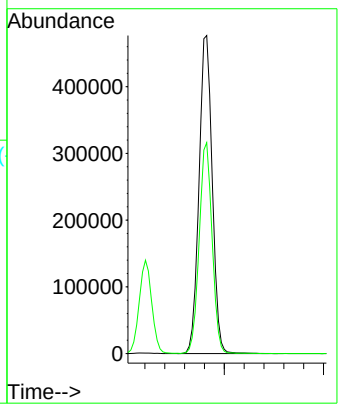


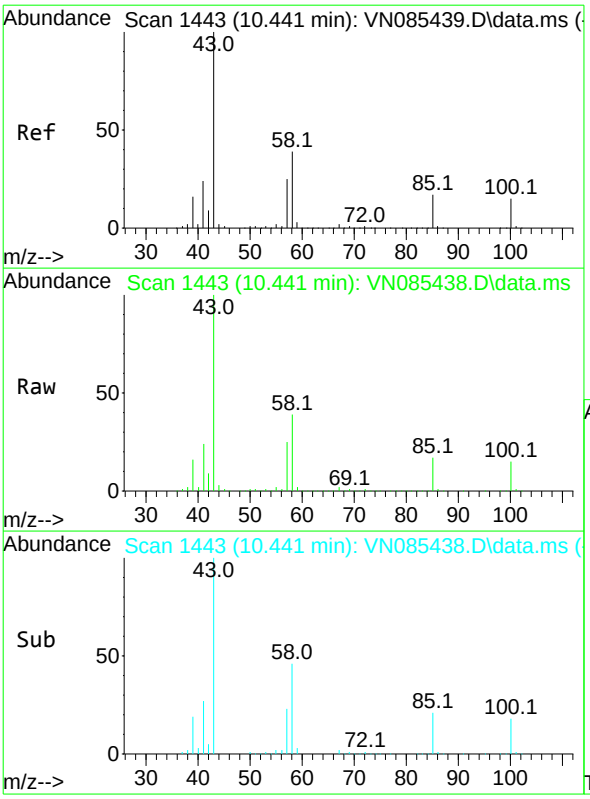


#50
Toluene-d8
Concen: 108.636 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 98 Resp: 881956

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.2	78.4

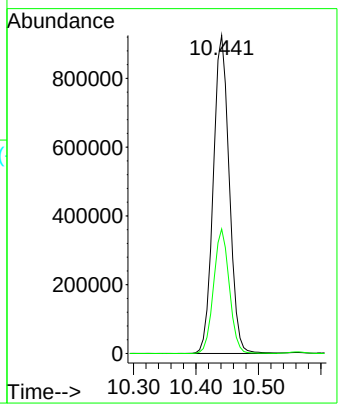




#51
4-Methyl-2-Pentanone
Concen: 546.159 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 43 Resp: 1643800

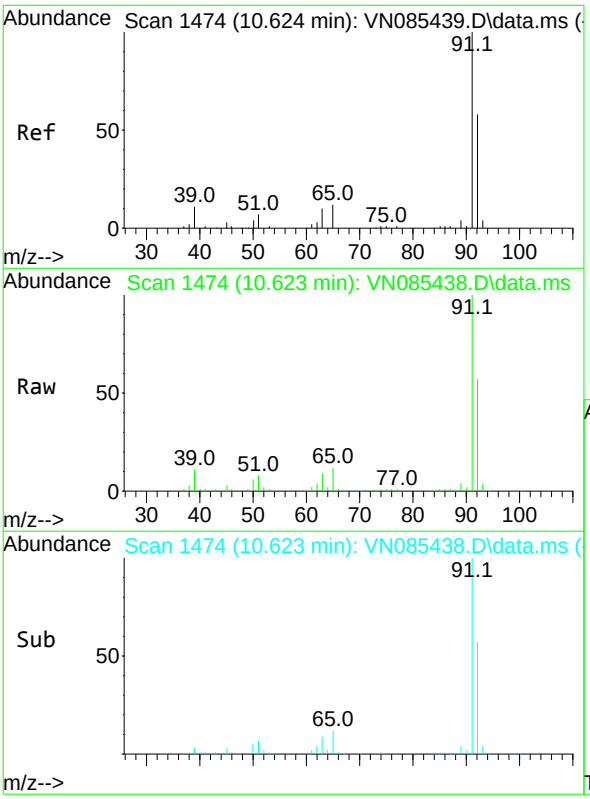
Ion	Ratio	Lower	Upper
43	100		
58	38.4	30.5	45.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

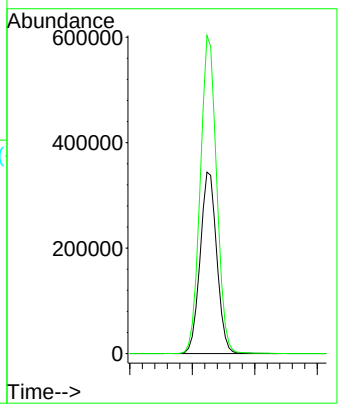
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

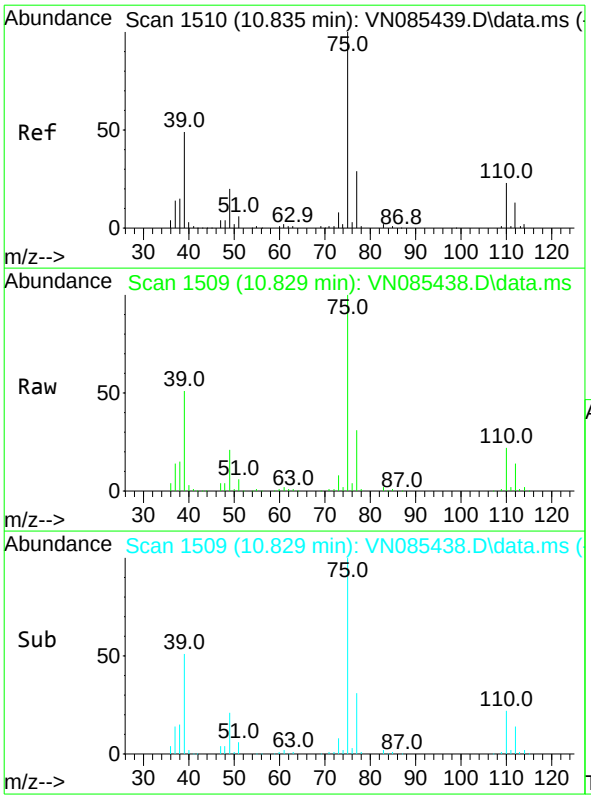


#52
Toluene
Concen: 113.689 ug/l
RT: 10.623 min Scan# 1474
Delta R.T. -0.001 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 92 Resp: 634743

Ion	Ratio	Lower	Upper
92	100		
91	173.1	139.2	208.8

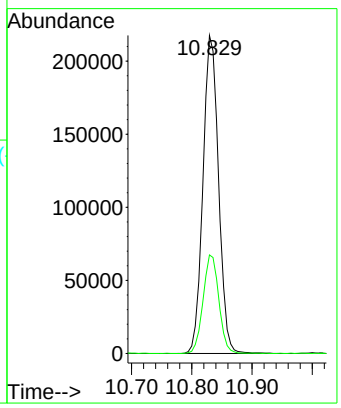




#53
t-1,3-Dichloropropene
Concen: 114.424 ug/l
RT: 10.829 min Scan# 15
Delta R.T. -0.006 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 75 Resp: 391238

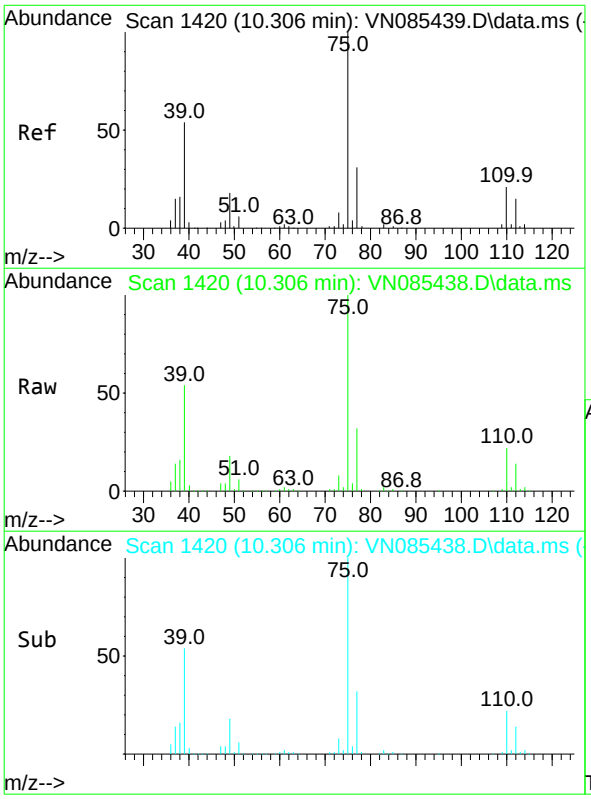
Ion	Ratio	Lower	Upper
75	100		
77	31.0	23.5	35.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
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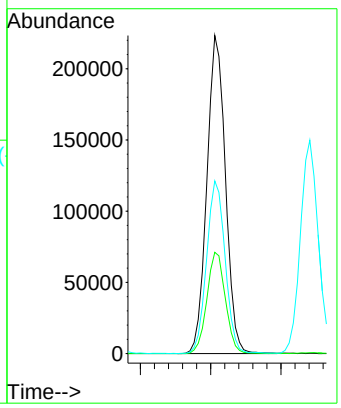
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

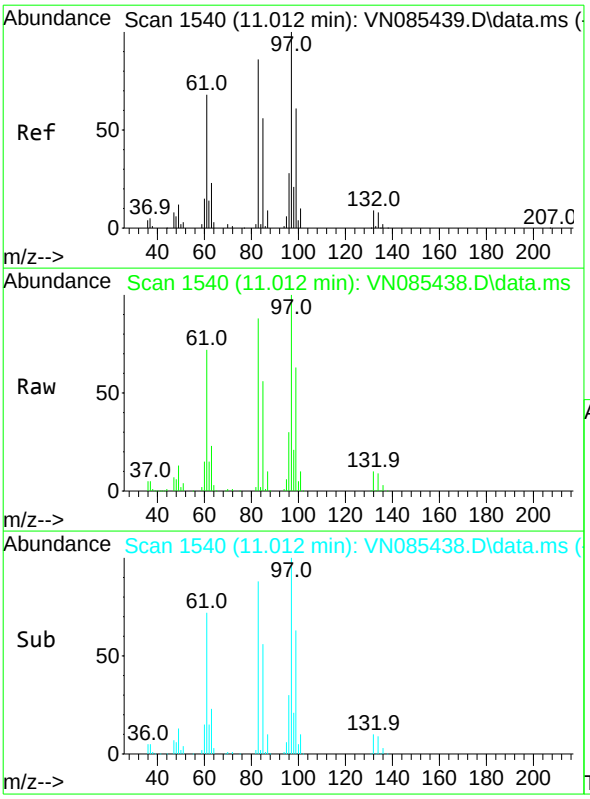


#54
cis-1,3-Dichloropropene
Concen: 112.369 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 75 Resp: 410403

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.0	37.4
39	54.3	43.1	64.7

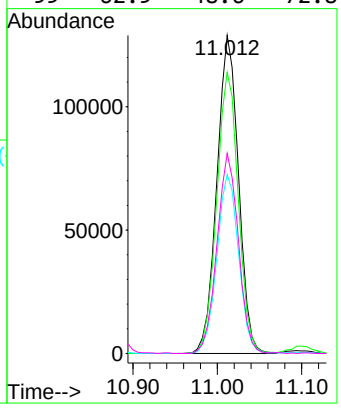




#55
1,1,2-Trichloroethane
Concen: 103.879 ug/l
RT: 11.012 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 97 Resp: 229522

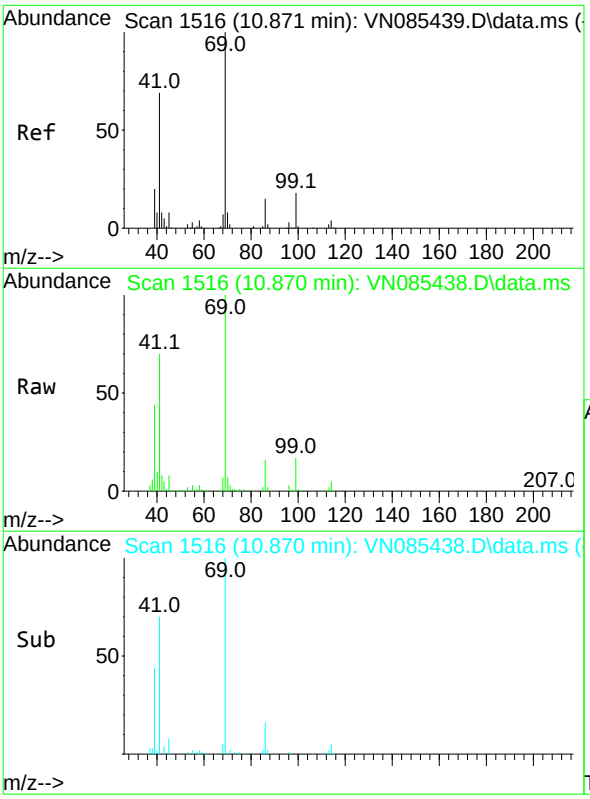
Ion	Ratio	Lower	Upper
97	100		
83	88.4	69.0	103.6
85	56.3	44.6	66.8
99	62.9	48.6	72.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

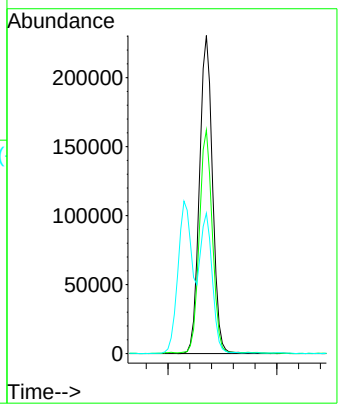
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

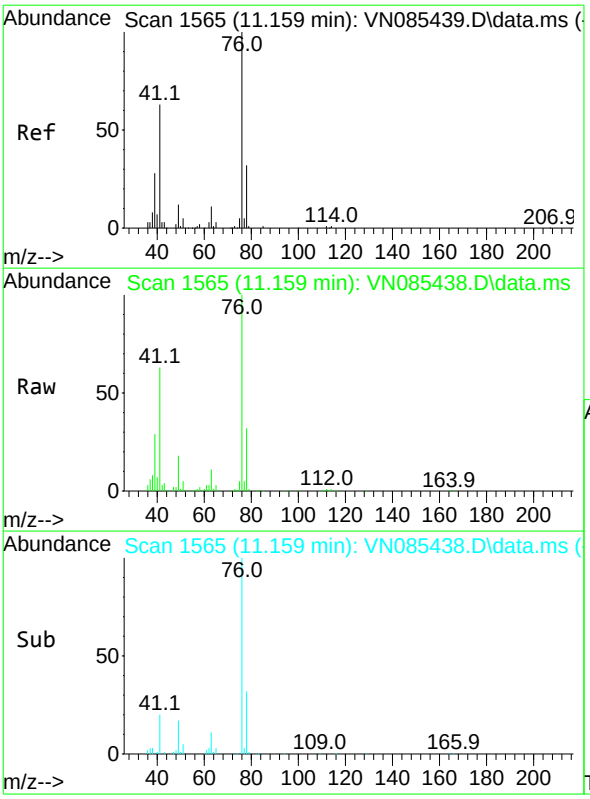


#56
Ethyl methacrylate
Concen: 101.029 ug/l
RT: 10.870 min Scan# 1516
Delta R.T. -0.001 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 69 Resp: 383663

Ion	Ratio	Lower	Upper
69	100		
41	69.1	54.6	82.0
39	40.1	32.4	48.6

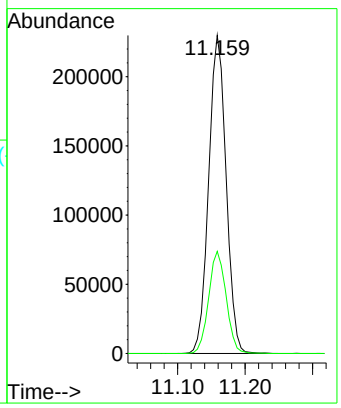




#57
1,3-Dichloropropane
Concen: 107.469 ug/l
RT: 11.159 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 76 Resp: 412886

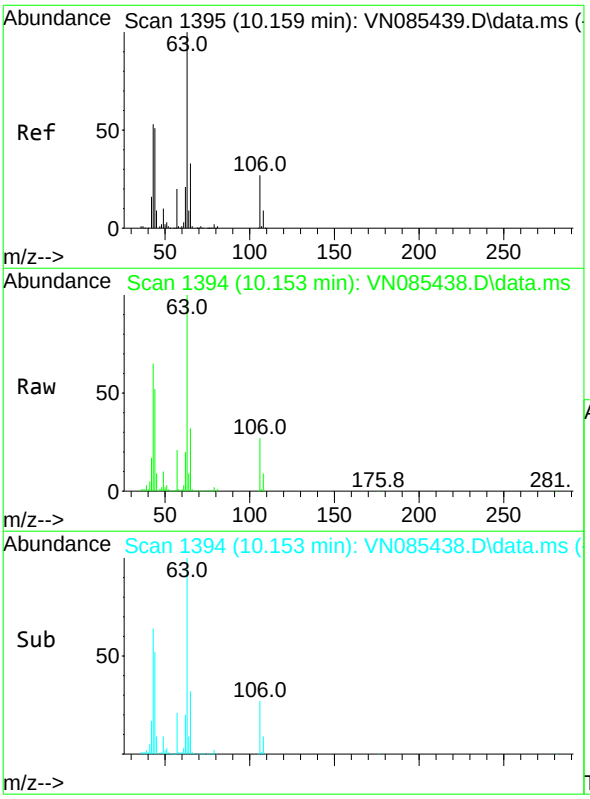
Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.6	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

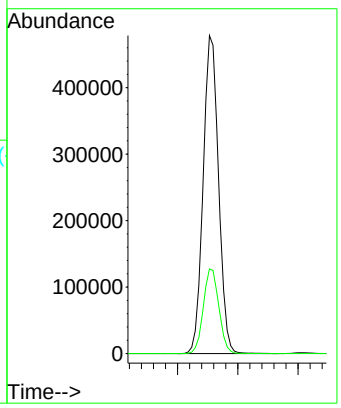
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

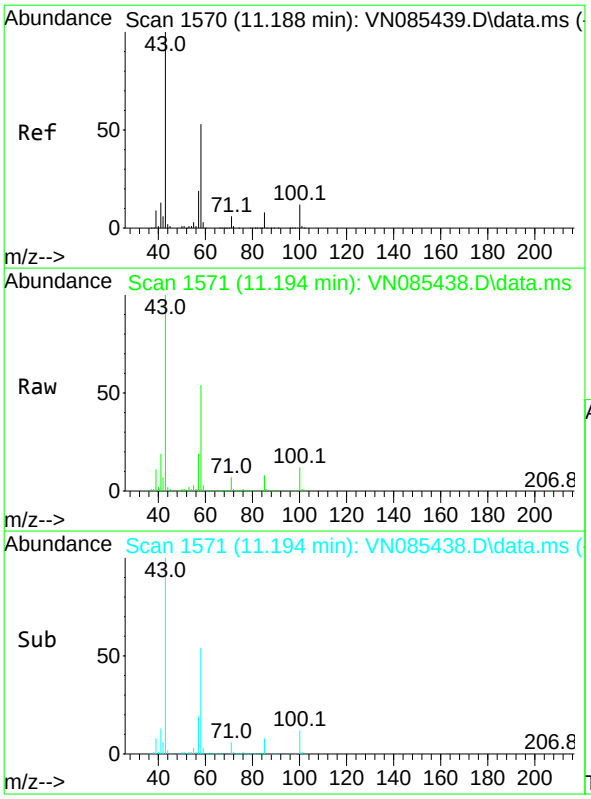


#58
2-Chloroethyl Vinyl ether
Concen: 605.243 ug/l
RT: 10.153 min Scan# 1394
Delta R.T. -0.006 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 63 Resp: 848636

Ion	Ratio	Lower	Upper
63	100		
106	26.8	21.6	32.4

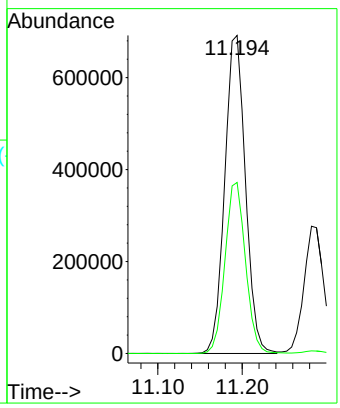




#59
2-Hexanone
Concen: 556.643 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 43 Resp: 1178831

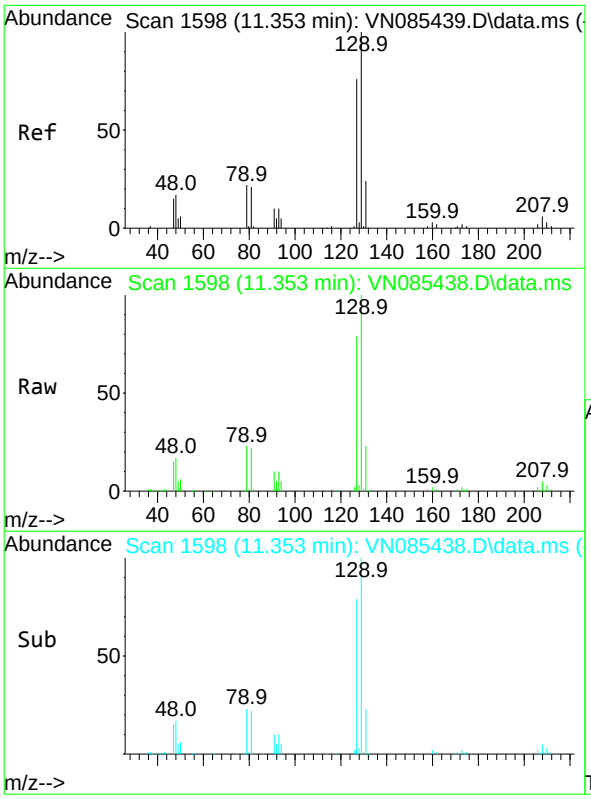
Ion	Ratio	Lower	Upper
43	100		
58	53.2	26.2	78.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

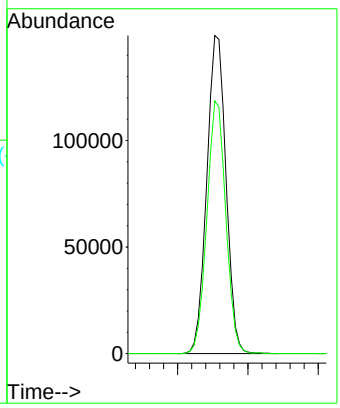
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

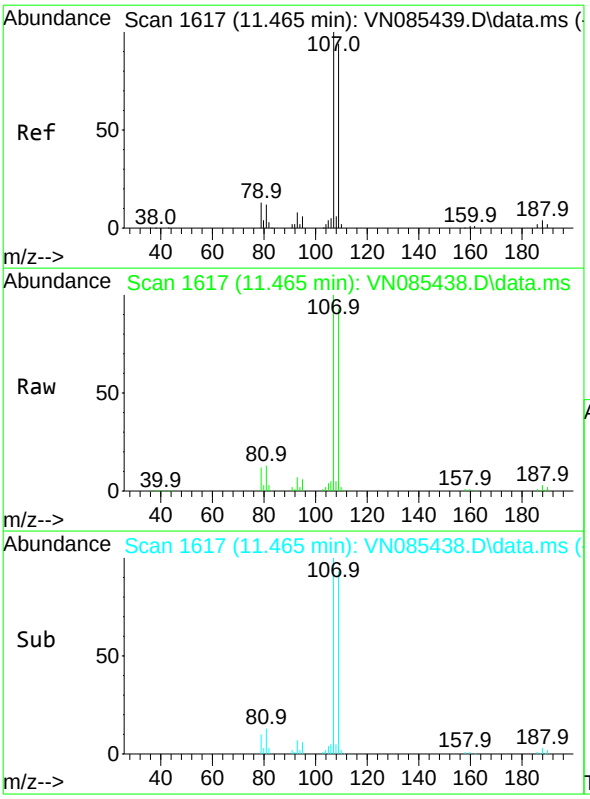


#60
Dibromochloromethane
Concen: 106.227 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion:129 Resp: 283361

Ion	Ratio	Lower	Upper
129	100		
127	78.1	38.6	115.8





#61
1,2-Dibromoethane
Concen: 104.623 ug/l
RT: 11.465 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

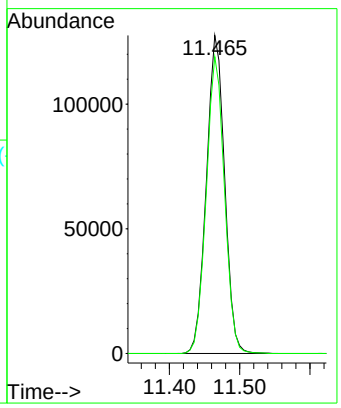
Tgt Ion:107 Resp: 230104

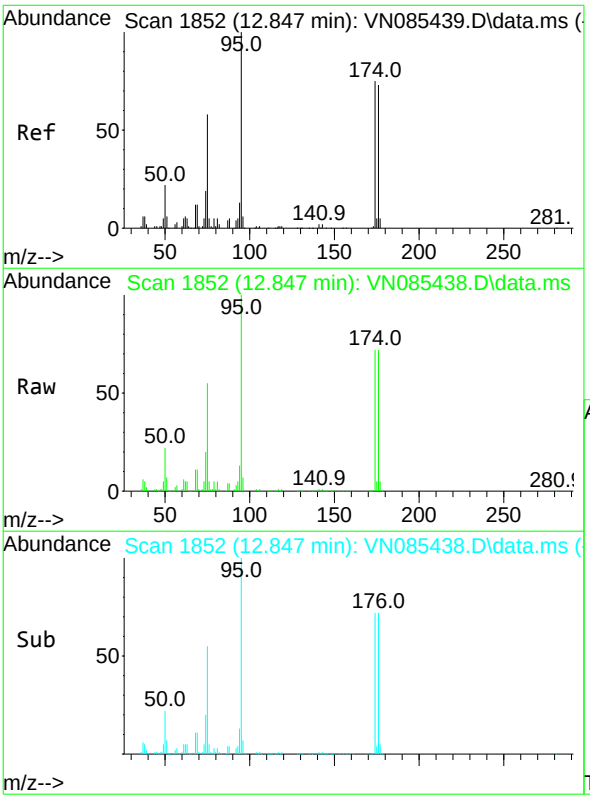
Ion	Ratio	Lower	Upper
107	100		
109	93.1	75.9	113.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

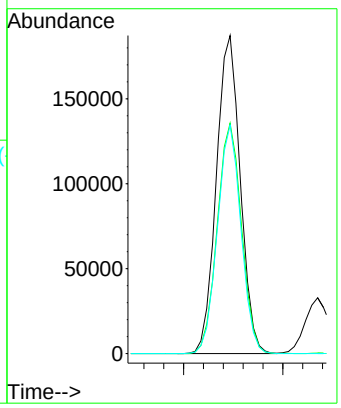


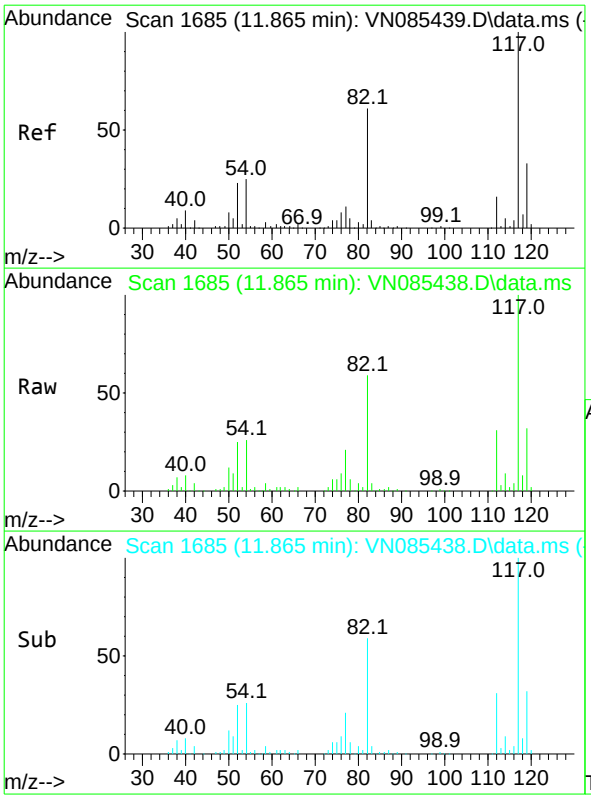


#62
4-Bromofluorobenzene
Concen: 112.765 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 95 Resp: 313161

Ion	Ratio	Lower	Upper
95	100		
174	73.4	0.0	145.0
176	70.5	0.0	142.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

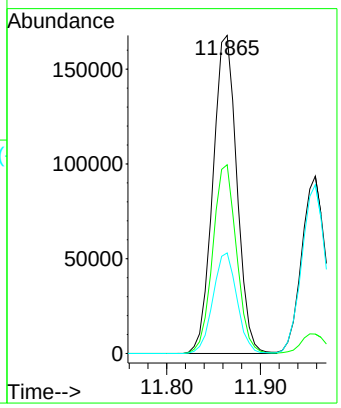
Tgt Ion:117 Resp: 298938

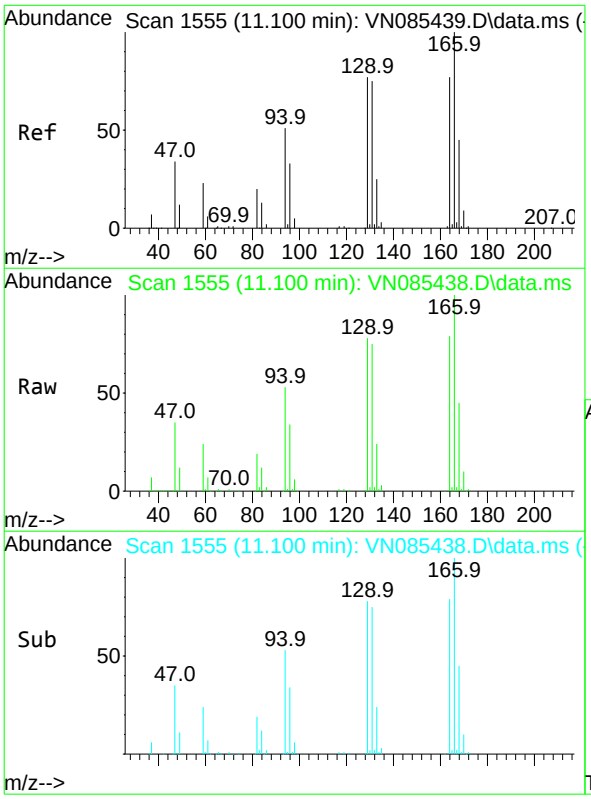
Ion	Ratio	Lower	Upper
117	100		
82	59.3	48.6	72.8
119	31.6	26.6	39.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

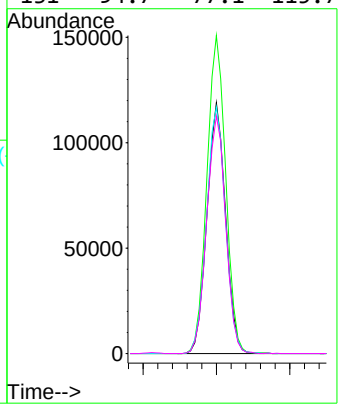


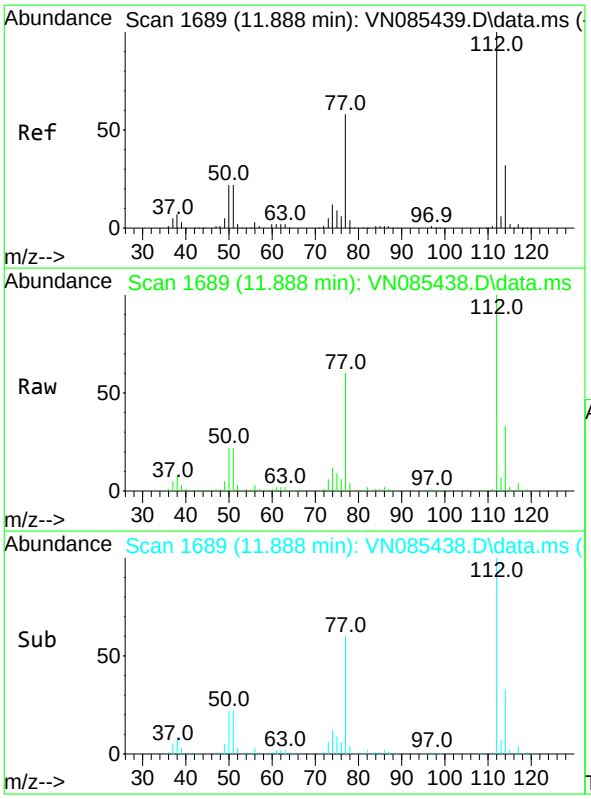


#64
Tetrachloroethene
Concen: 102.980 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion:164 Resp: 209870

Ion	Ratio	Lower	Upper
164	100		
166	126.8	103.4	155.2
129	98.3	79.2	118.8
131	94.7	77.1	115.7

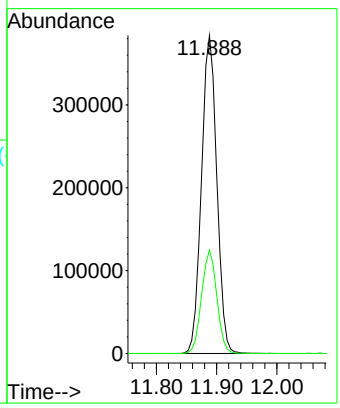




#65
Chlorobenzene
Concen: 103.482 ug/l
RT: 11.888 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion:112 Resp: 677679

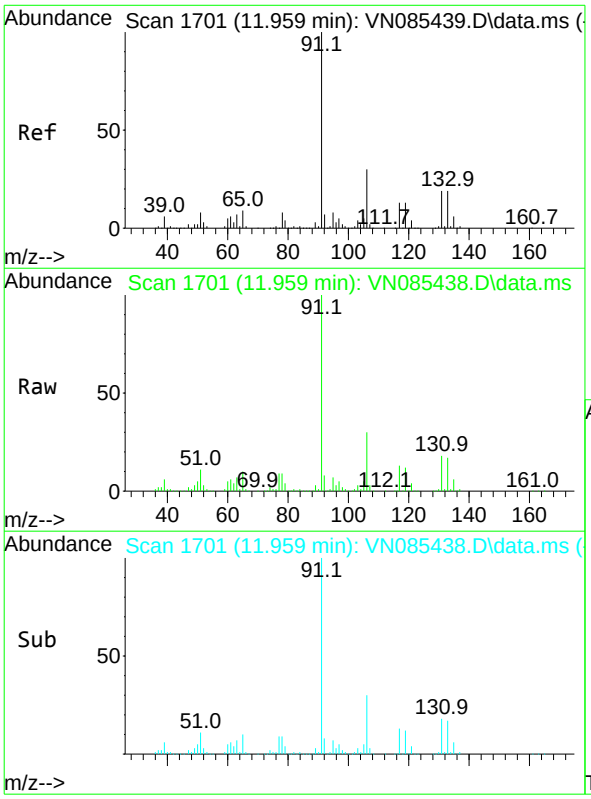
Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.3	37.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

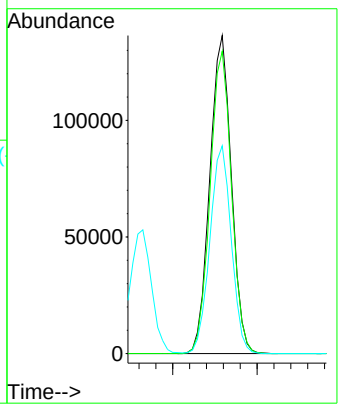
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

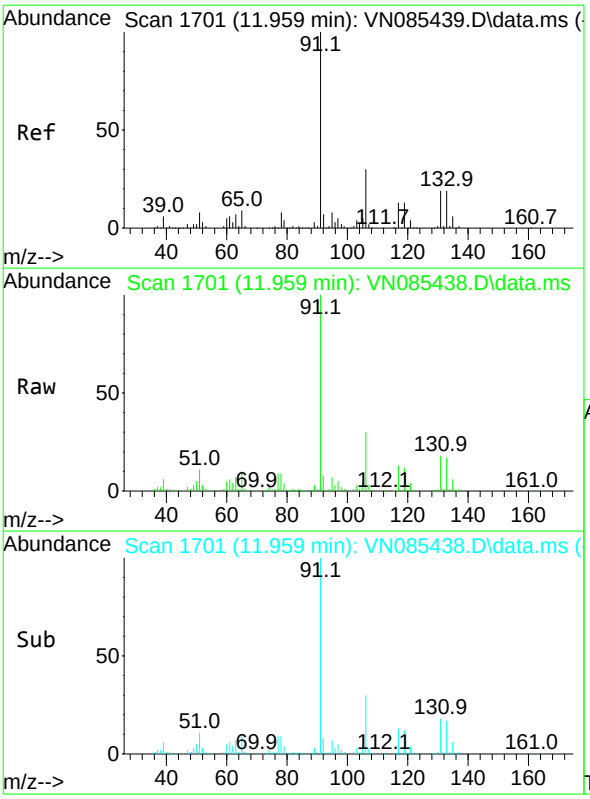


#66
1,1,1,2-Tetrachloroethane
Concen: 100.517 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion:131 Resp: 241593

Ion	Ratio	Lower	Upper
131	100		
133	94.3	47.4	142.3
119	64.9	33.1	99.5

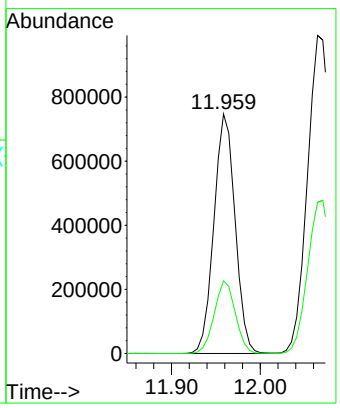




#67
Ethyl Benzene
Concen: 116.169 ug/l
RT: 11.959 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 91 Resp: 1239080

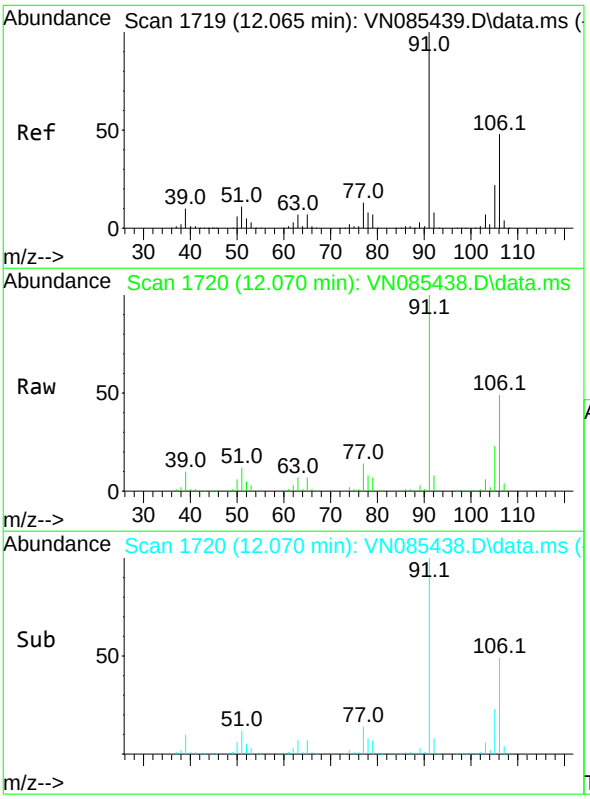
Ion	Ratio	Lower	Upper
91	100		
106	30.3	23.8	35.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
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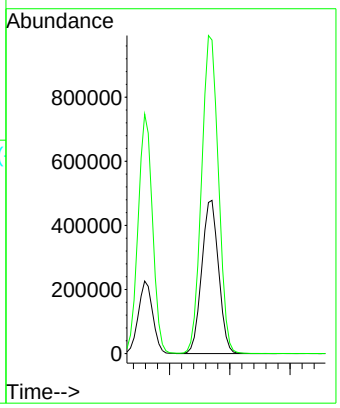
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

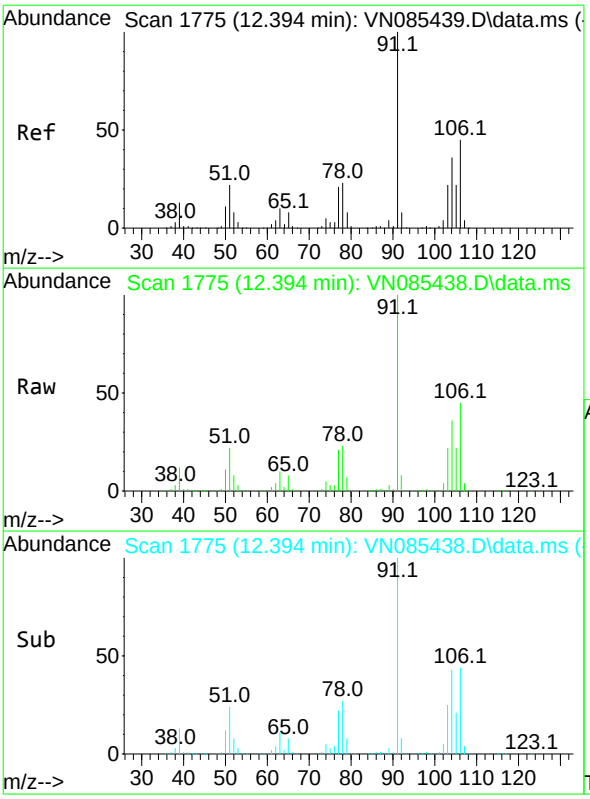


#68
m/p-Xylenes
Concen: 235.219 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. 0.006 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion:106 Resp: 927244

Ion	Ratio	Lower	Upper
106	100		
91	208.0	167.7	251.5

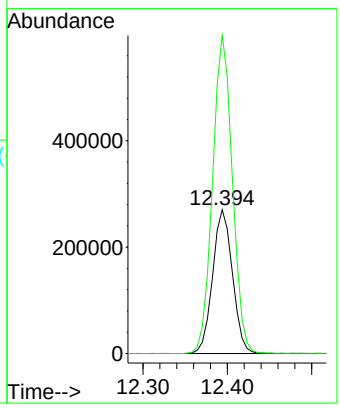




#69
o-Xylene
Concen: 117.135 ug/l
RT: 12.394 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion:106 Resp: 441279

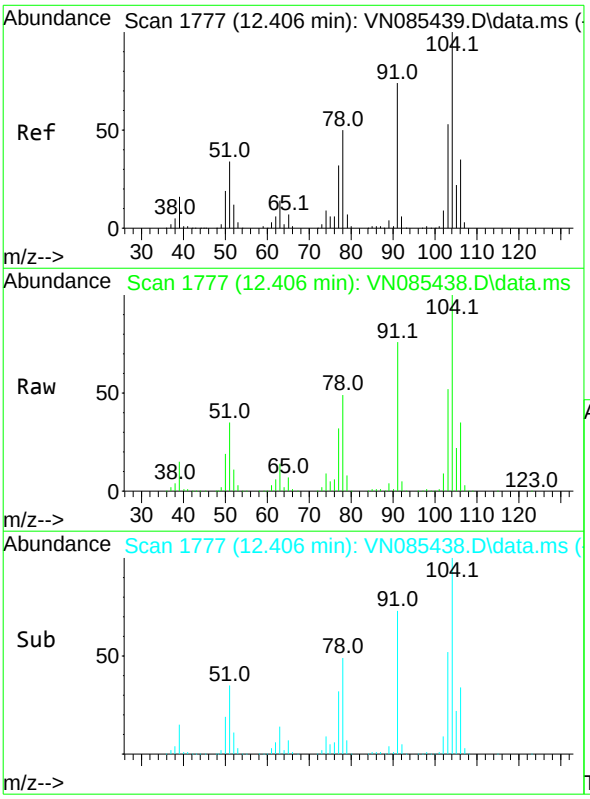
Ion	Ratio	Lower	Upper
106	100		
91	221.3	110.4	331.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

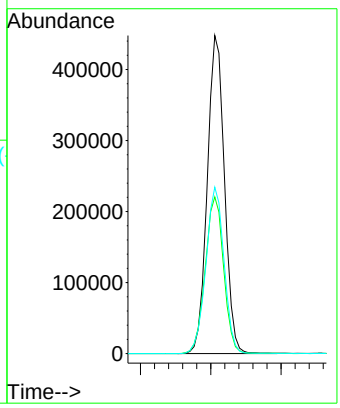
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

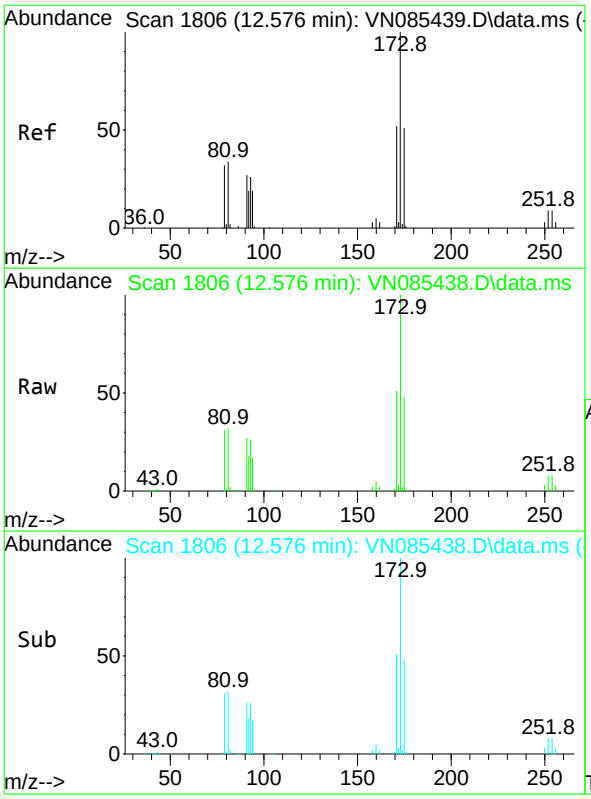


#70
Styrene
Concen: 121.919 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion:104 Resp: 760136

Ion	Ratio	Lower	Upper
104	100		
78	52.8	42.5	63.7
103	55.3	43.8	65.8





#71
Bromoform
Concen: 108.227 ug/l
RT: 12.576 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

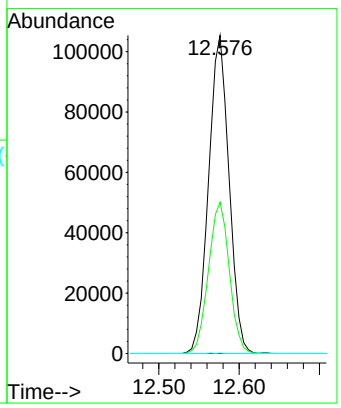
Tgt Ion:173 Resp: 186124

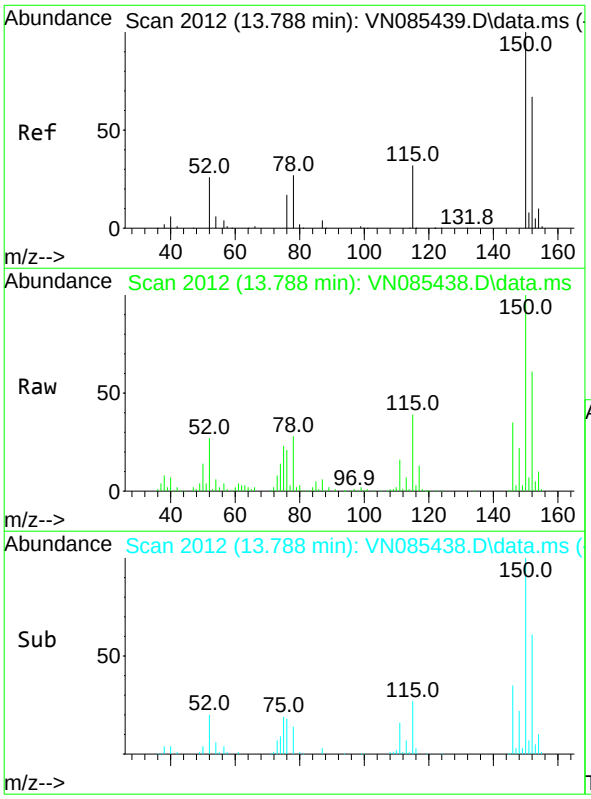
Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.4	73.2
254	0.1	0.0	0.0#

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

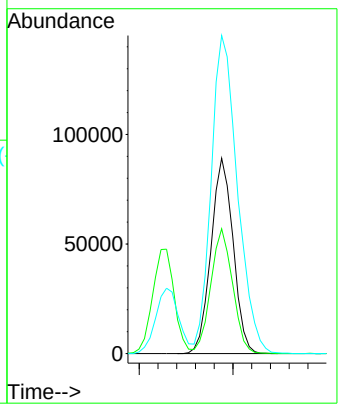


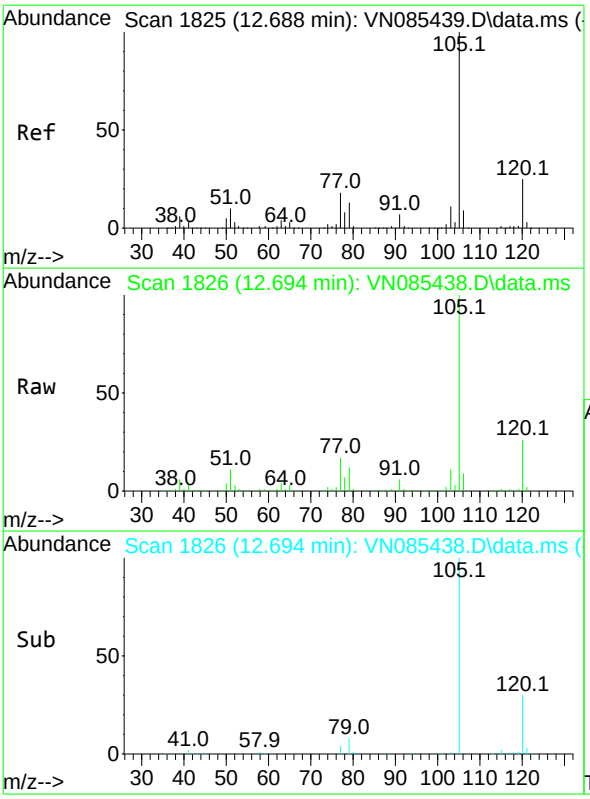


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion:152 Resp: 146196

Ion	Ratio	Lower	Upper
152	100		
115	62.7	31.1	93.3
150	193.1	0.0	343.6





#73
Isopropylbenzene
Concen: 116.221 ug/l
RT: 12.694 min Scan# 18
Delta R.T. 0.006 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

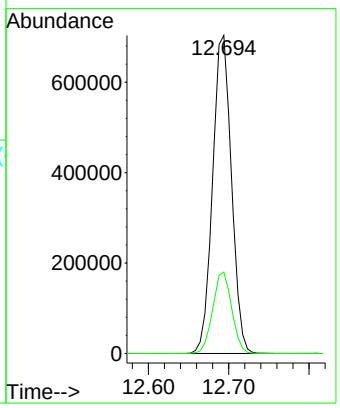
Tgt Ion:105 Resp: 1146752

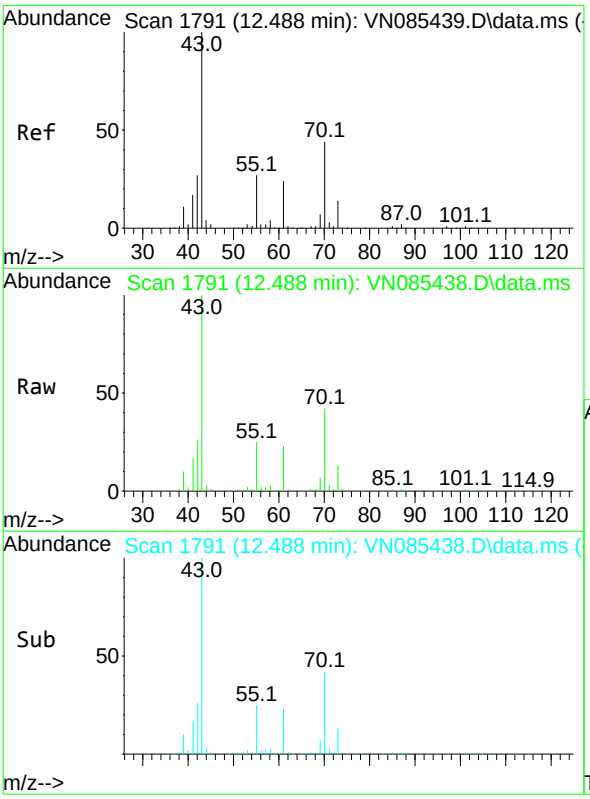
Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.8	38.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

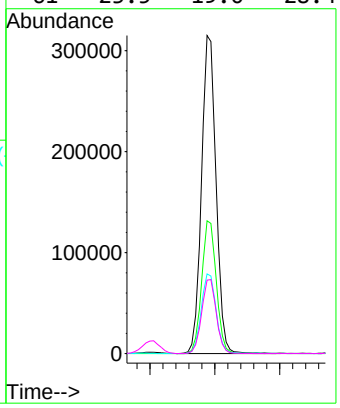


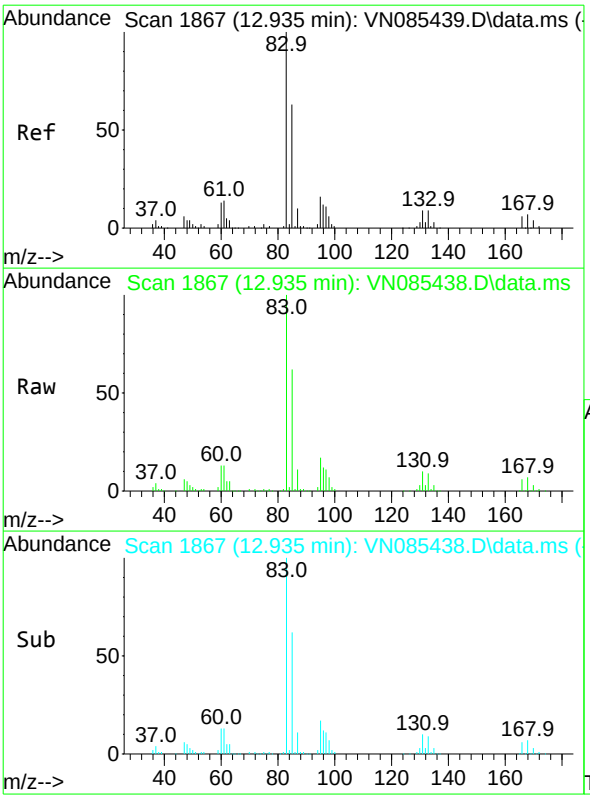


#74
N-amyl acetate
Concen: 110.308 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 43 Resp: 489217

Ion	Ratio	Lower	Upper
43	100		
70	41.9	34.0	51.0
55	25.7	21.4	32.2
61	23.5	19.0	28.4

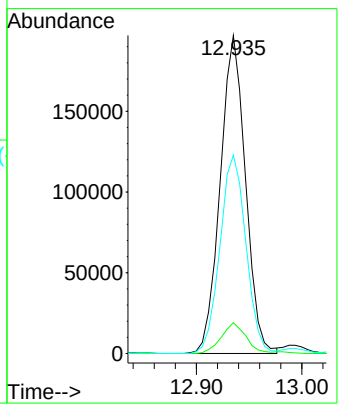




#75
1,1,2,2-Tetrachloroethane
Concen: 94.039 ug/l
RT: 12.935 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 83 Resp: 327767

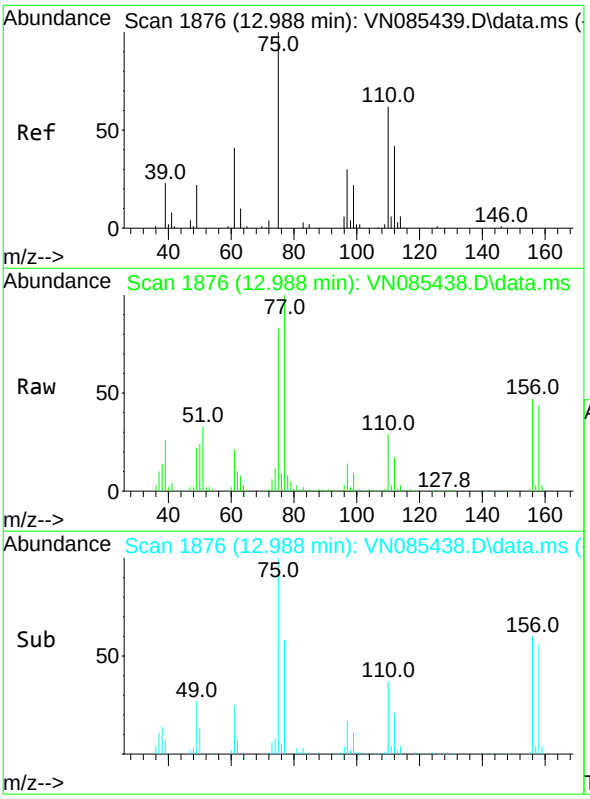
Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.8	14.4
85	64.1	32.2	96.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
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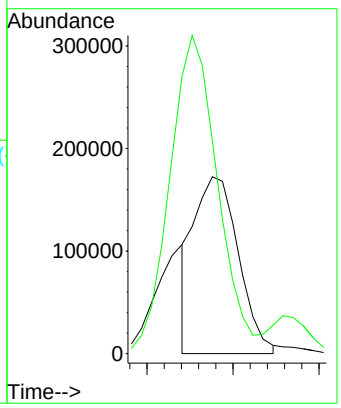
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

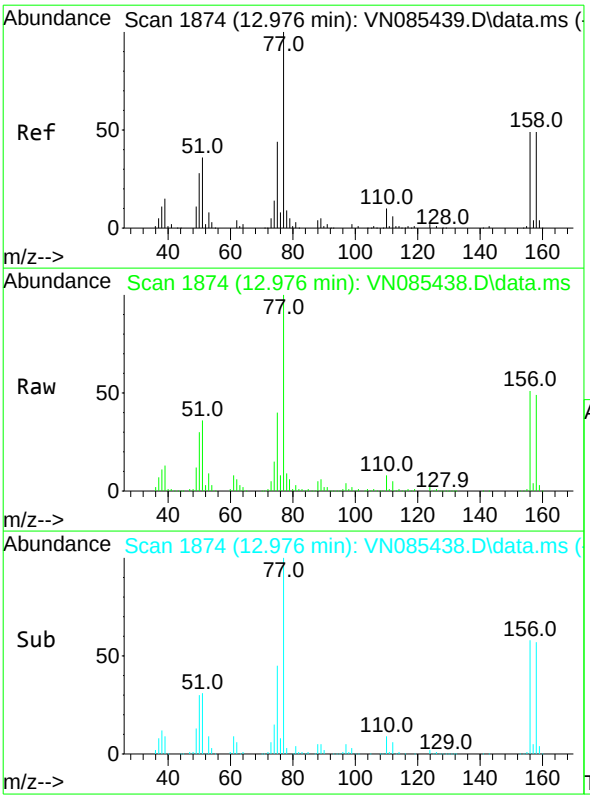


#76
1,2,3-Trichloropropane
Concen: 104.530 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 75 Resp: 310115

Ion	Ratio	Lower	Upper
75	100		
77	192.6	109.7	329.2





#77
Bromobenzene
Concen: 104.200 ug/l
RT: 12.976 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

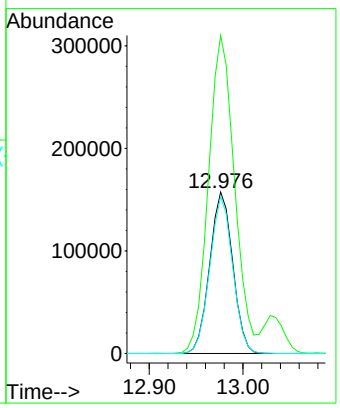
Tgt Ion:156 Resp: 268616

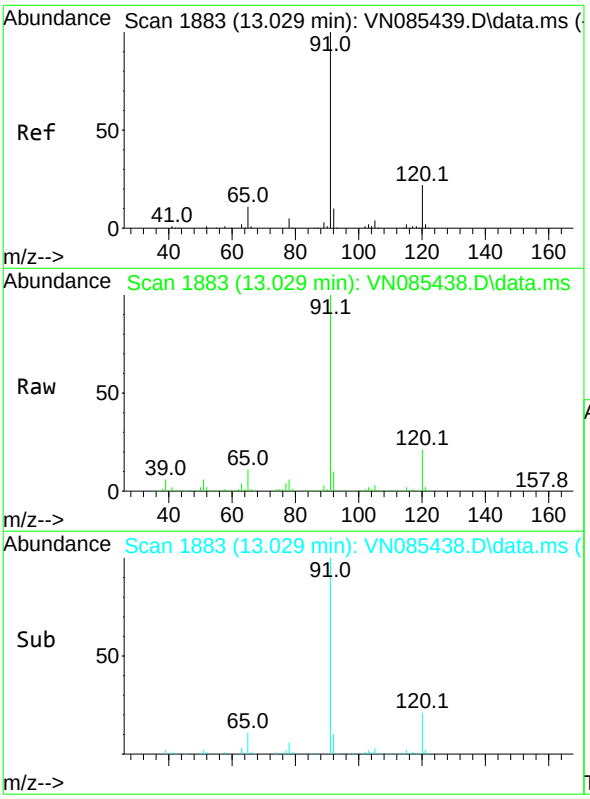
Ion	Ratio	Lower	Upper
156	100		
77	222.4	114.1	342.4
158	96.3	48.9	146.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

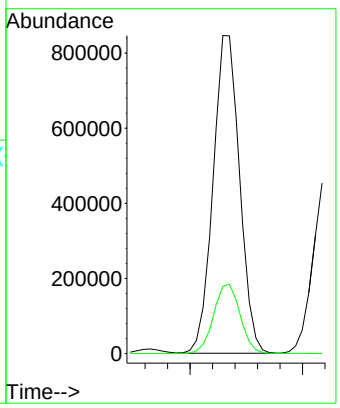


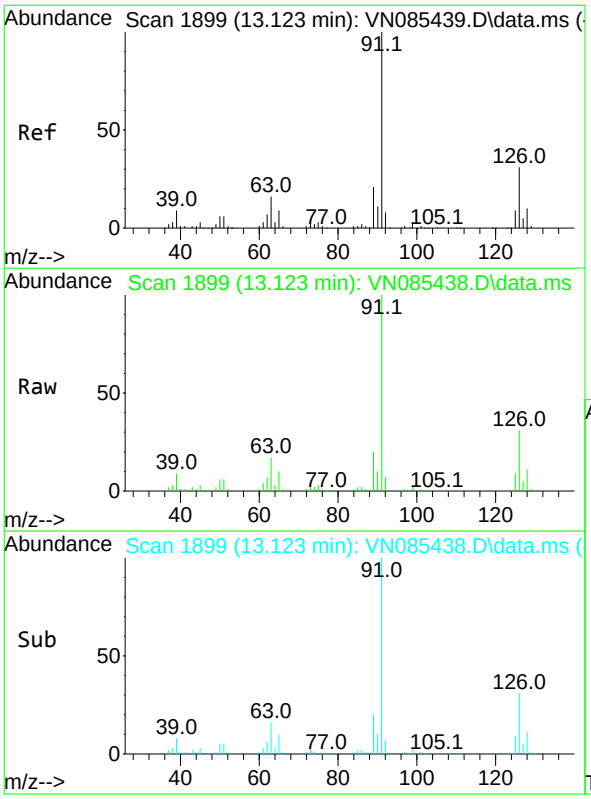


#78
n-propylbenzene
Concen: 118.600 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 91 Resp: 1385353

Ion	Ratio	Lower	Upper
91	100		
120	21.8	10.9	32.6

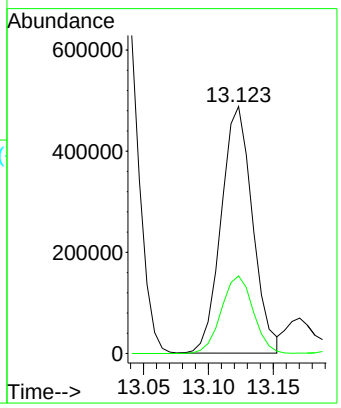




#79
2-Chlorotoluene
Concen: 108.767 ug/l
RT: 13.123 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 91 Resp: 822258

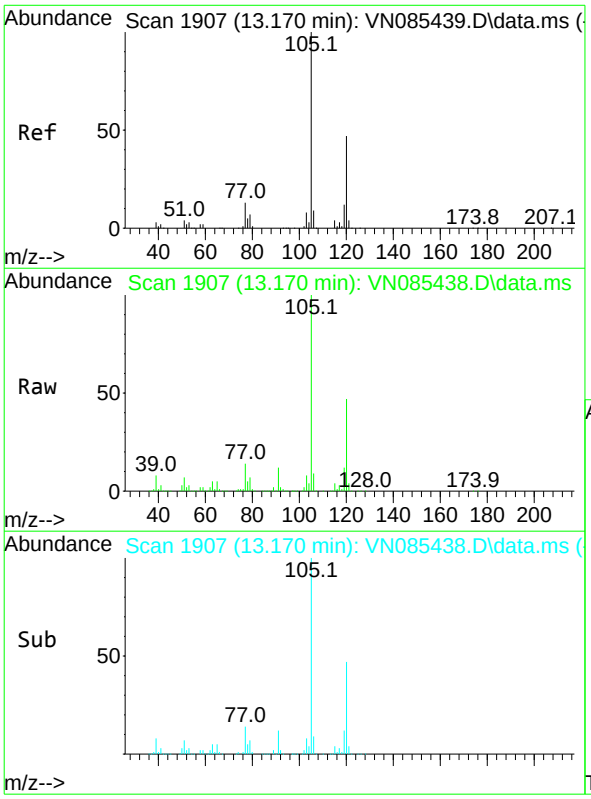
Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
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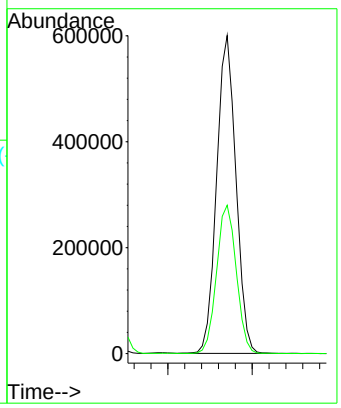
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

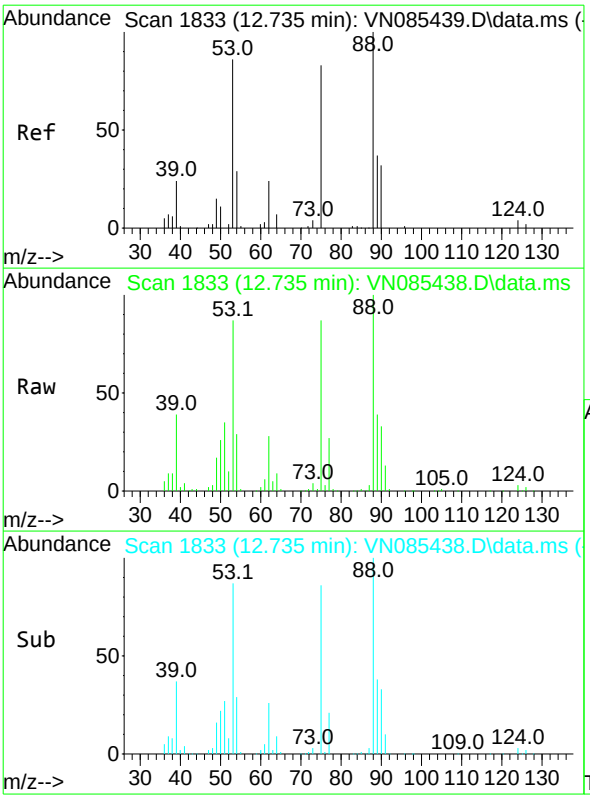


#80
1,3,5-Trimethylbenzene
Concen: 116.938 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion:105 Resp: 953066

Ion	Ratio	Lower	Upper
105	100		
120	47.8	23.9	71.7





#81
trans-1,4-Dichloro-2-butene
Concen: 111.544 ug/l
RT: 12.735 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

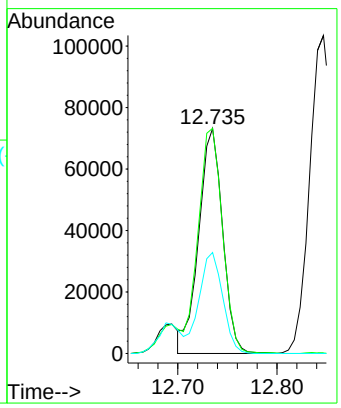
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

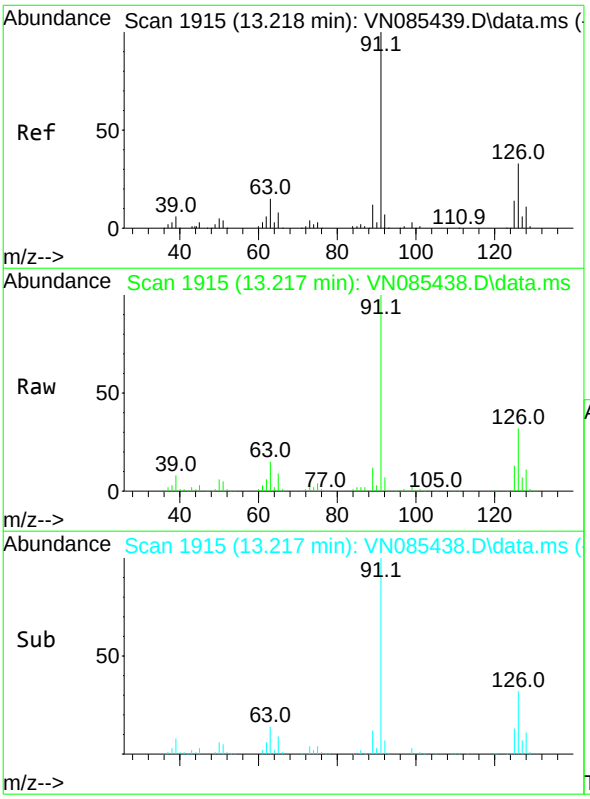
Tgt Ion: 75 Resp: 122508

Ion	Ratio	Lower	Upper
75	100		
53	100.9	95.6	143.4
89	44.4	37.0	55.6

Manual Integrations
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Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

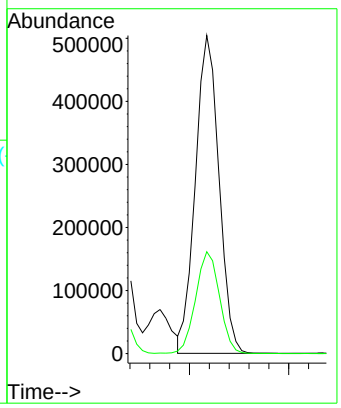


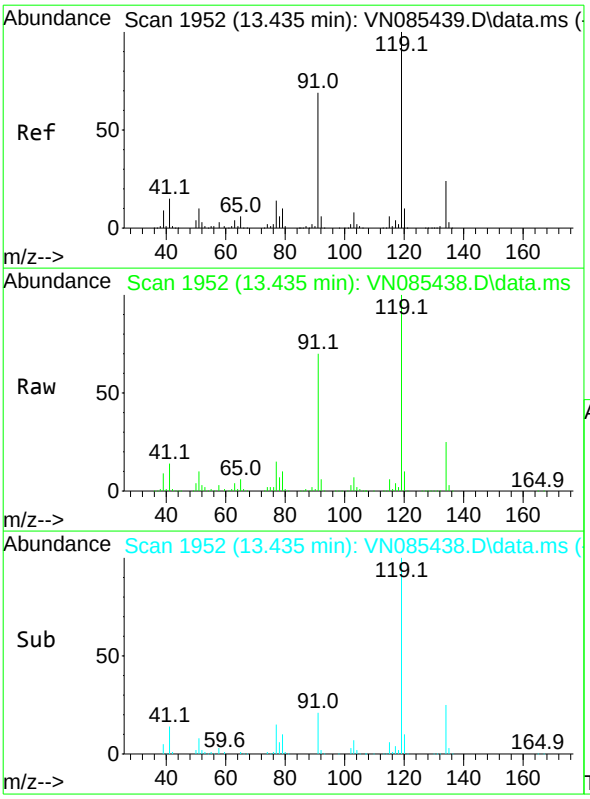


#82
4-Chlorotoluene
Concen: 110.574 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 91 Resp: 832317

Ion	Ratio	Lower	Upper
91	100		
126	32.5	15.9	47.7

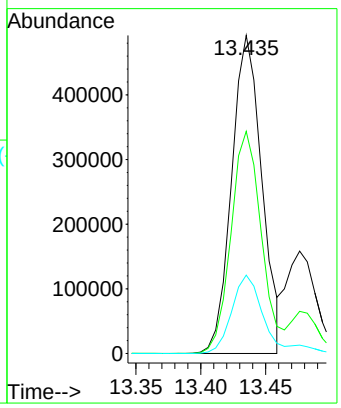




#83
tert-Butylbenzene
Concen: 116.457 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion:119 Resp: 797069

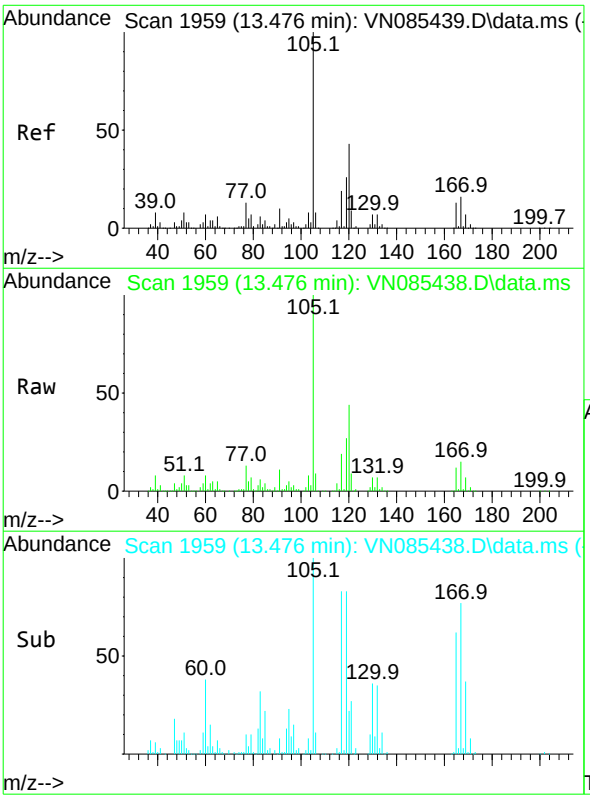
Ion	Ratio	Lower	Upper
119	100		
91	70.7	35.1	105.3
134	26.6	12.0	36.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
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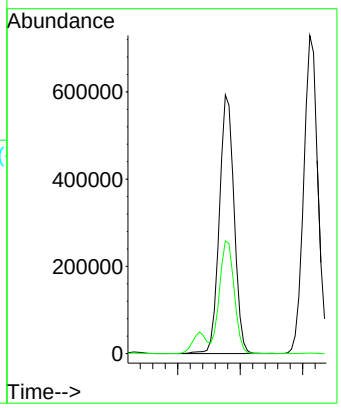
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

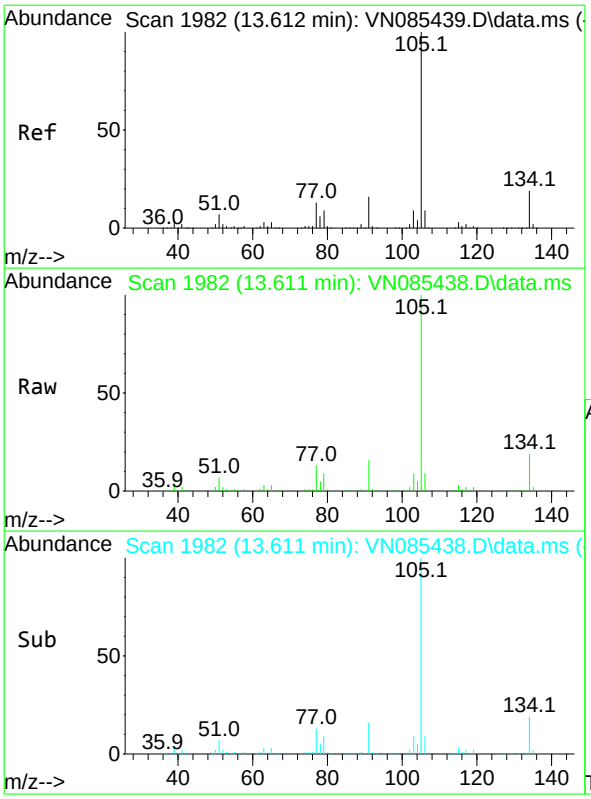


#84
1,2,4-Trimethylbenzene
Concen: 119.625 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion:105 Resp: 971729

Ion	Ratio	Lower	Upper
105	100		
120	43.4	21.6	65.0

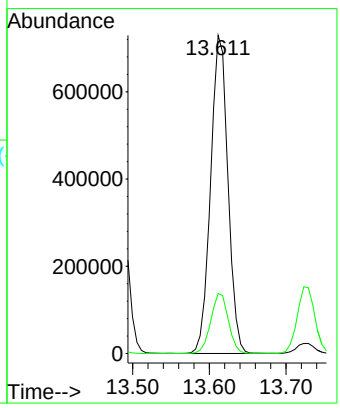




#85
sec-Butylbenzene
Concen: 120.587 ug/l
RT: 13.611 min Scan# 19
Delta R.T. -0.001 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion:105 Resp: 1143885

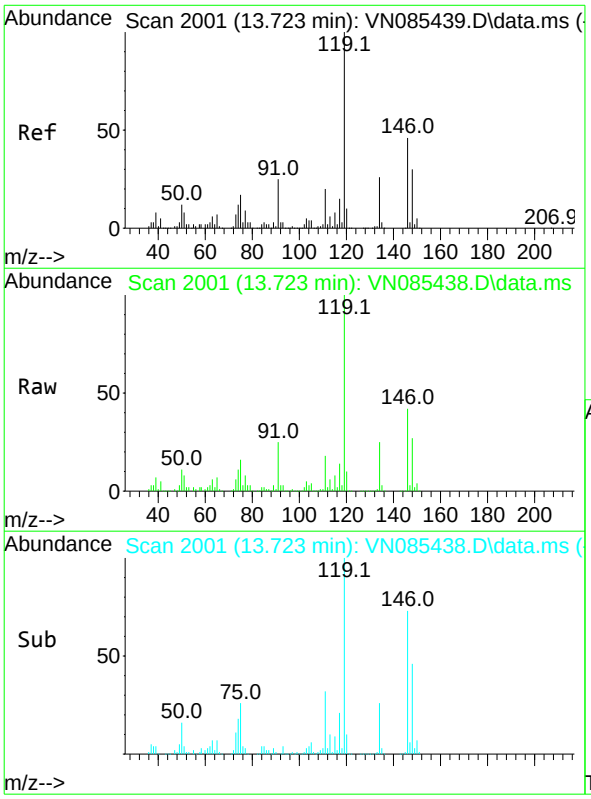
Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.7	28.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

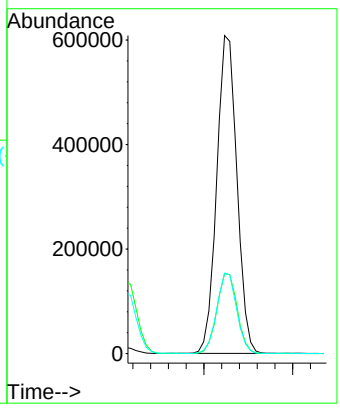
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

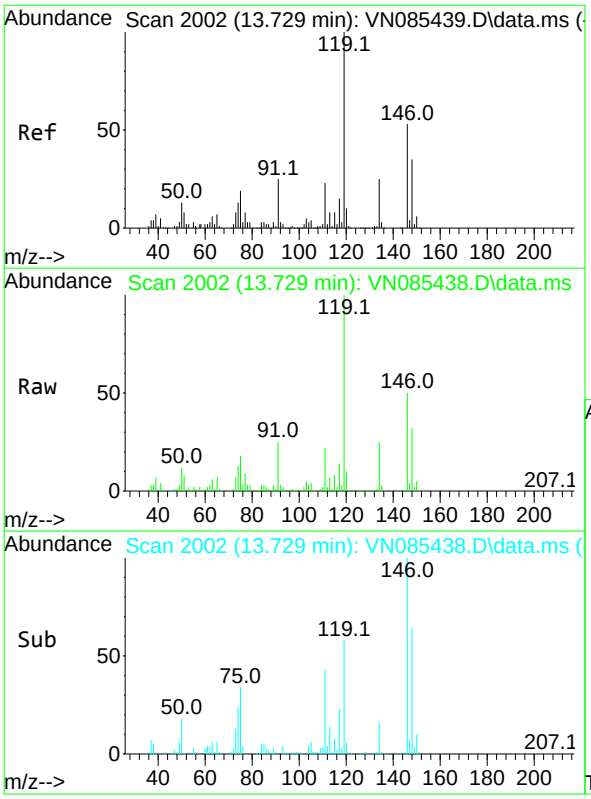


#86
p-Isopropyltoluene
Concen: 100.111 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion:119 Resp: 960747

Ion	Ratio	Lower	Upper
119	100		
134	25.3	12.7	38.0
91	25.0	12.7	38.1

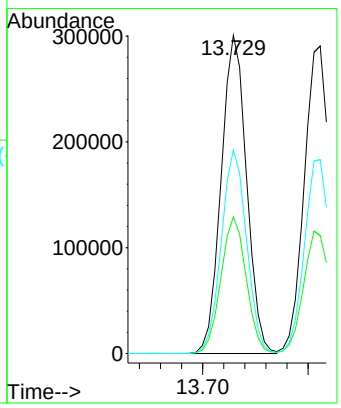




#87
1,3-Dichlorobenzene
Concen: 105.943 ug/l
RT: 13.729 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion:146 Resp: 502960

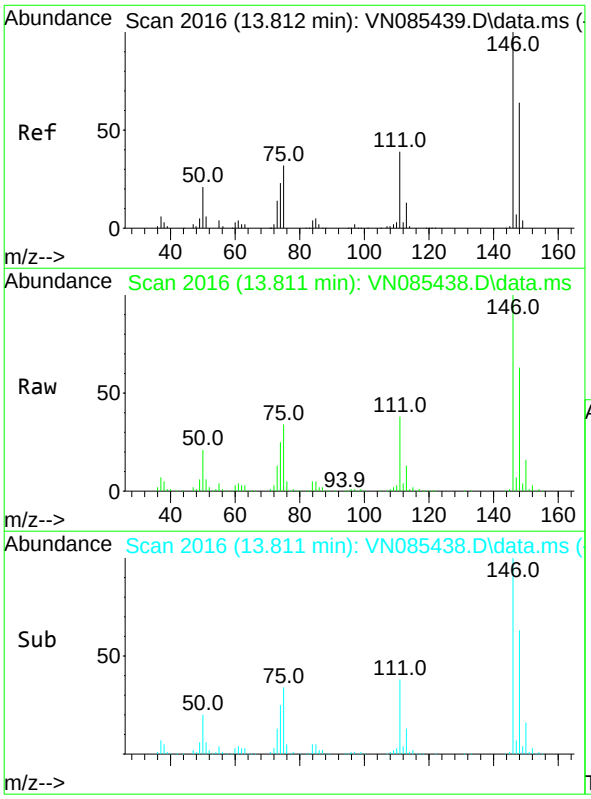
Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.4	64.3
148	63.6	32.3	96.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

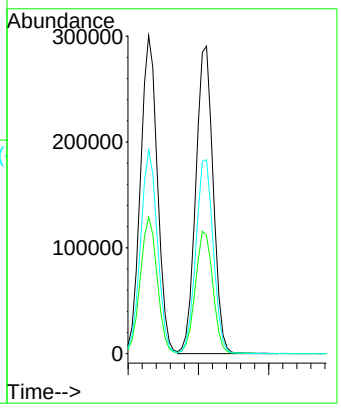
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

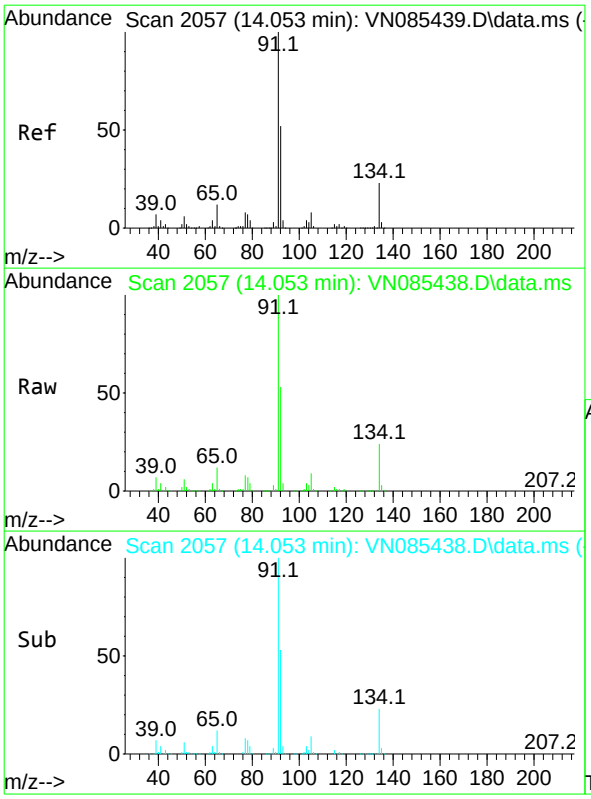


#88
1,4-Dichlorobenzene
Concen: 101.341 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion:146 Resp: 498709

Ion	Ratio	Lower	Upper
146	100		
111	40.1	21.3	63.7
148	63.1	32.4	97.0

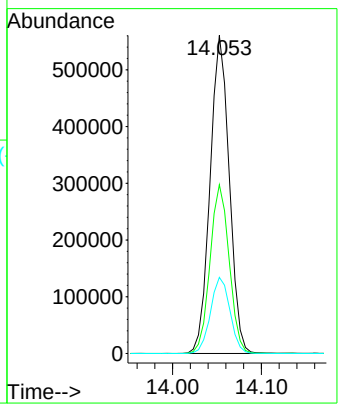




#89
n-Butylbenzene
Concen: 123.781 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 91 Resp: 842368

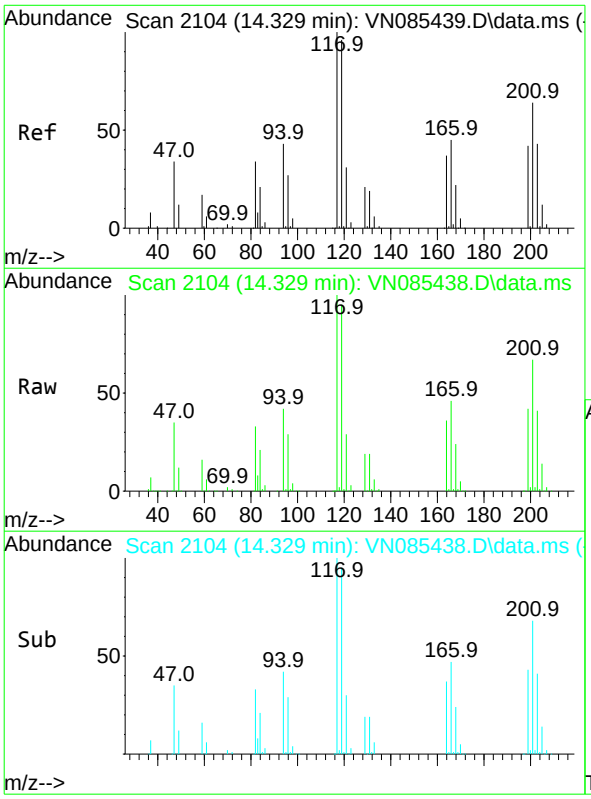
Ion	Ratio	Lower	Upper
91	100		
92	52.8	25.8	77.3
134	24.3	11.7	35.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

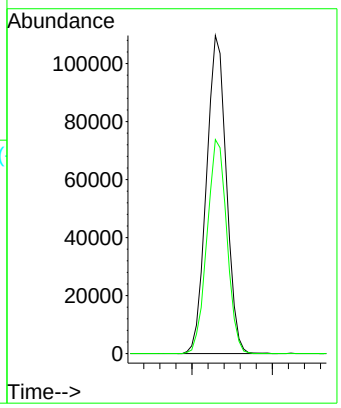
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

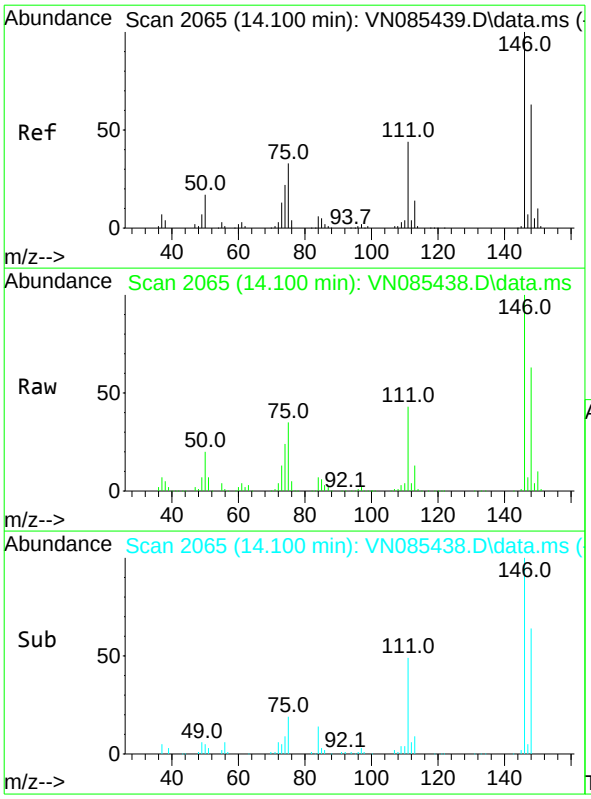


#90
Hexachloroethane
Concen: 104.405 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion:117 Resp: 188541

Ion	Ratio	Lower	Upper
117	100		
201	67.2	33.7	101.0

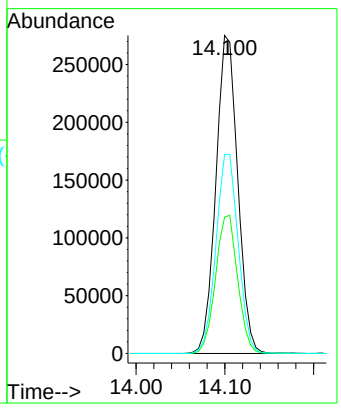




#91
1,2-Dichlorobenzene
Concen: 99.445 ug/l
RT: 14.100 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion:146 Resp: 470919

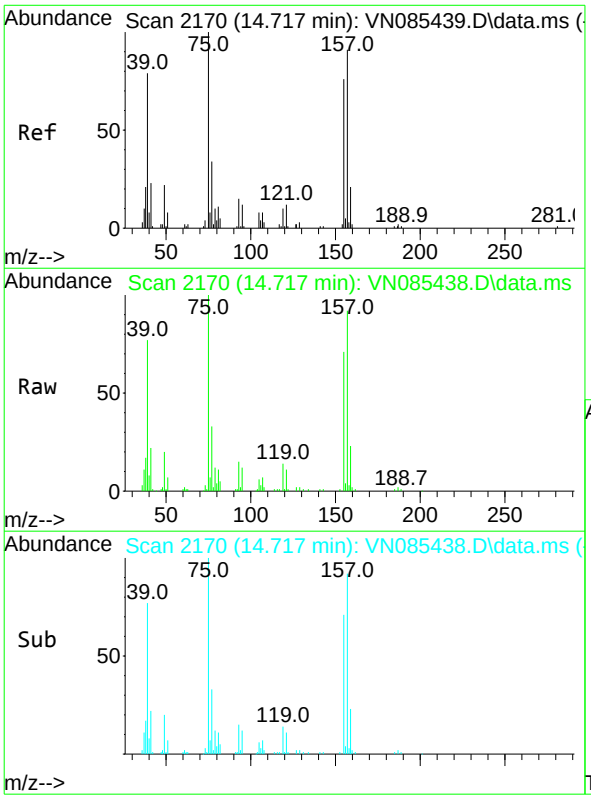
Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.7	65.1
148	64.0	31.4	94.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

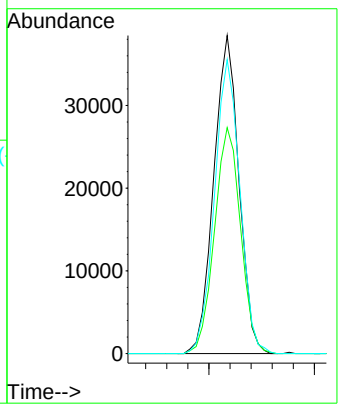
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

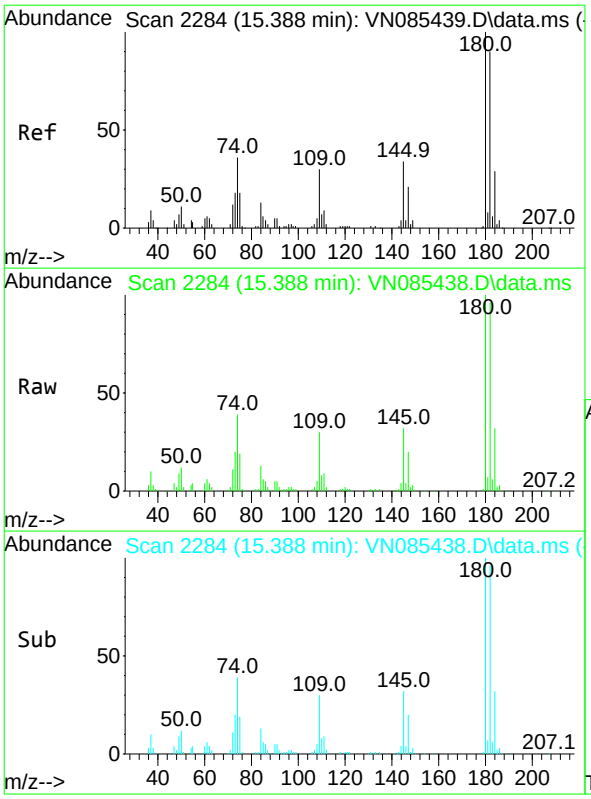


#92
1,2-Dibromo-3-Chloropropane
Concen: 100.313 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 75 Resp: 63846

Ion	Ratio	Lower	Upper
75	100		
155	73.5	36.4	109.2
157	93.0	45.4	136.1





#93
1,2,4-Trichlorobenzene
Concen: 113.946 ug/l
RT: 15.388 min Scan# 22
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

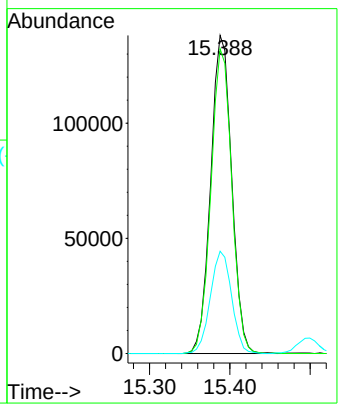
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

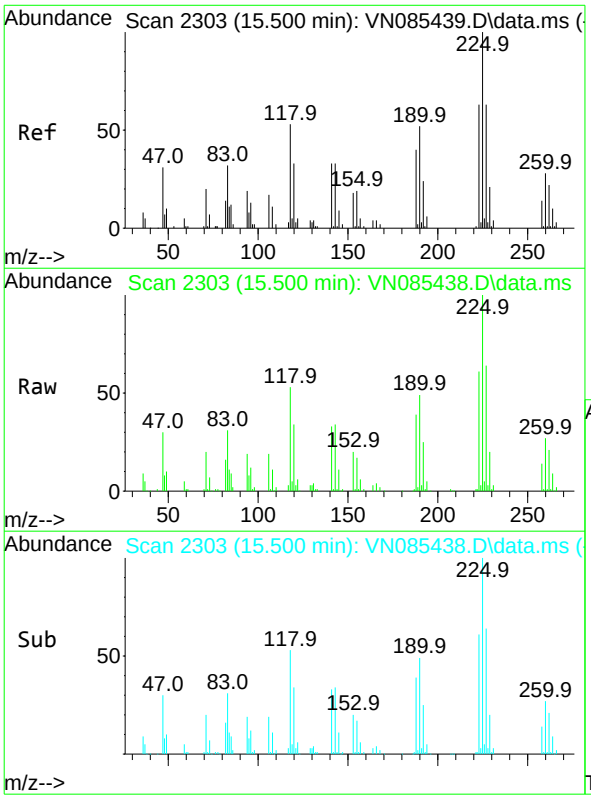
Tgt Ion:180 Resp: 250787

Ion	Ratio	Lower	Upper
180	100		
182	94.9	46.8	140.3
145	32.6	16.0	48.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

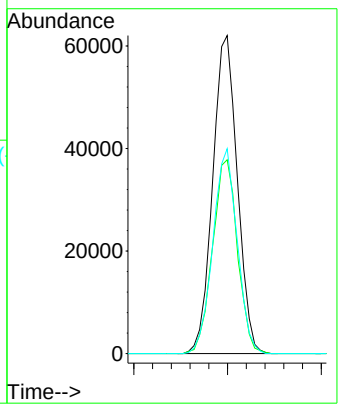


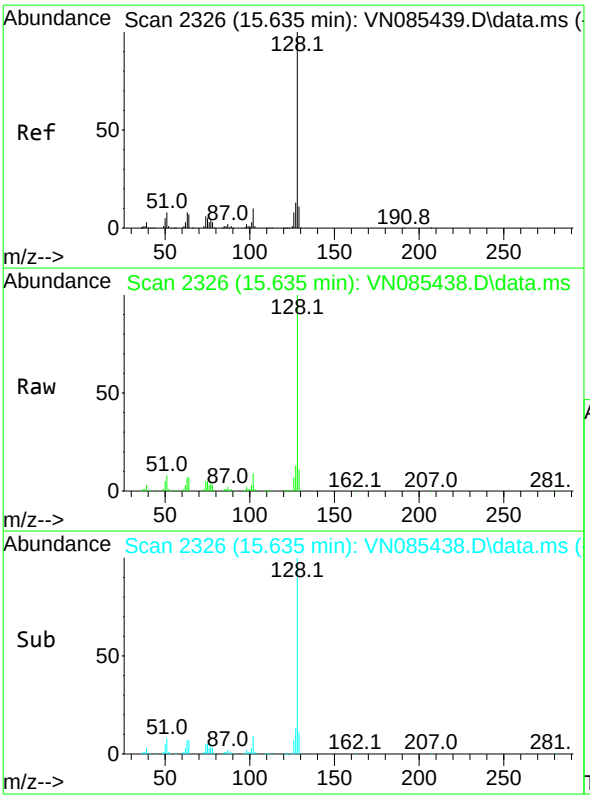


#94
Hexachlorobutadiene
Concen: 96.619 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion:225 Resp: 112899

Ion	Ratio	Lower	Upper
225	100		
223	61.8	30.7	92.1
227	63.6	30.9	92.5

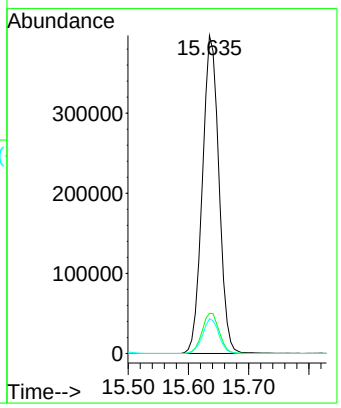




#95
Naphthalene
Concen: 115.234 ug/l
RT: 15.635 min Scan# 23
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion:128 Resp: 756816

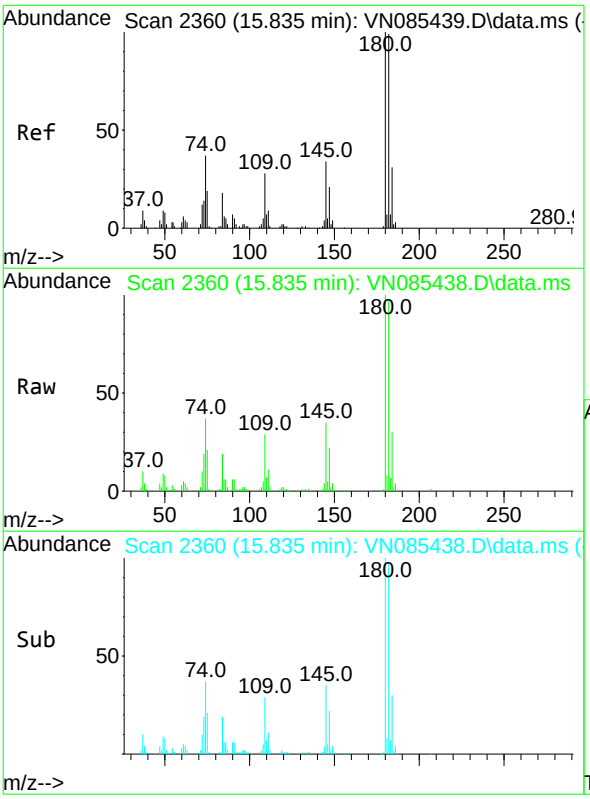
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	16.0
129	10.8	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

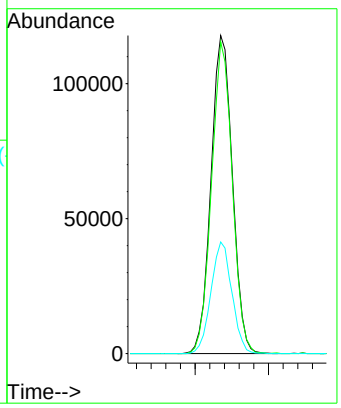
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#96
1,2,3-Trichlorobenzene
Concen: 107.256 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion:180 Resp: 238860

Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.4	142.2
145	34.3	16.9	50.7



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085439.D
Acq On : 14 Jan 2025 15:19
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 15 01:42:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	199403	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	339872	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	297366	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	146624	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	165768	51.500	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.000%			
35) Dibromofluoromethane	8.159	113	121554	51.552	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.100%			
50) Toluene-d8	10.565	98	430698	51.411	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.820%			
62) 4-Bromofluorobenzene	12.847	95	152568	53.239	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.480%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	125504	46.486	ug/l	100
3) Chloromethane	2.359	50	135631	46.398	ug/l	100
4) Vinyl Chloride	2.512	62	136831	46.569	ug/l	100
5) Bromomethane	2.953	94	83199	46.877	ug/l	100
6) Chloroethane	3.118	64	84517	45.371	ug/l	100
7) Trichlorofluoromethane	3.501	101	198726	46.613	ug/l	100
8) Diethyl Ether	3.953	74	71764	48.726	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	108081	45.010	ug/l	100
10) Methyl Iodide	4.589	142	143383	52.142	ug/l	100
11) Tert butyl alcohol	5.512	59	92841	251.894	ug/l	100
12) 1,1-Dichloroethene	4.342	96	106247	49.647	ug/l	100
13) Acrolein	4.171	56	139234	276.734	ug/l	100
14) Allyl chloride	5.018	41	168654	48.567	ug/l	100
15) Acrylonitrile	5.712	53	296781	253.507	ug/l	100
16) Acetone	4.418	43	251271	241.603	ug/l	100
17) Carbon Disulfide	4.706	76	294604	44.710	ug/l	100
18) Methyl Acetate	5.018	43	157485	49.798	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	373561	53.758	ug/l	100
20) Methylene Chloride	5.271	84	125508	48.748	ug/l	100
21) trans-1,2-Dichloroethene	5.783	96	110684	48.395	ug/l	100
22) Diisopropyl ether	6.665	45	406253	52.707	ug/l	100
23) Vinyl Acetate	6.594	43	1491031	275.471	ug/l	100
24) 1,1-Dichloroethane	6.565	63	233336	49.648	ug/l	100
25) 2-Butanone	7.477	43	388457	253.815	ug/l	100
26) 2,2-Dichloropropane	7.483	77	186591	49.106	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	136229	50.571	ug/l	100
28) Bromochloromethane	7.806	49	108148	49.461	ug/l	100
29) Tetrahydrofuran	7.830	42	259683	267.624	ug/l	100
30) Chloroform	7.959	83	234271	48.229	ug/l	100
31) Cyclohexane	8.253	56	175588	42.984	ug/l	100
32) 1,1,1-Trichloroethane	8.165	97	202590	47.547	ug/l	100
36) 1,1-Dichloropropene	8.365	75	157031	47.453	ug/l	100
37) Ethyl Acetate	7.553	43	165866	49.658	ug/l	100
38) Carbon Tetrachloride	8.359	117	180199	47.564	ug/l	100
39) Methylcyclohexane	9.600	83	157234	50.562	ug/l	100
40) Benzene	8.600	78	492606	49.542	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085439.D
Acq On : 14 Jan 2025 15:19
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 15 01:42:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	91711	52.775	ug/l		100
42) 1,2-Dichloroethane	8.665	62	186065	49.685	ug/l		100
43) Isopropyl Acetate	8.683	43	276228	51.611	ug/l		100
44) Trichloroethene	9.347	130	109953	47.506	ug/l		100
45) 1,2-Dichloropropane	9.618	63	126084	49.644	ug/l		100
46) Dibromomethane	9.706	93	90670	49.476	ug/l		100
47) Bromodichloromethane	9.882	83	189915	50.867	ug/l		100
48) Methyl methacrylate	9.677	41	133399	55.385	ug/l		100
49) 1,4-Dioxane	9.688	88	43048	1061.334	ug/l		100
51) 4-Methyl-2-Pentanone	10.441	43	836707	269.403	ug/l		100
52) Toluene	10.624	92	295792	51.341	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	187439	53.125	ug/l		100
54) cis-1,3-Dichloropropene	10.306	75	199771	53.006	ug/l		100
55) 1,1,2-Trichloroethane	11.012	97	115462	50.641	ug/l		100
56) Ethyl methacrylate	10.871	69	184775	48.182	ug/l		100
57) 1,3-Dichloropropane	11.159	76	204590	51.606	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	409594	283.088	ug/l		100
59) 2-Hexanone	11.188	43	606740	277.643	ug/l		100
60) Dibromochloromethane	11.353	129	140704	51.116	ug/l		100
61) 1,2-Dibromoethane	11.465	107	113541	50.028	ug/l		100
64) Tetrachloroethene	11.100	164	95879	47.295	ug/l		100
65) Chlorobenzene	11.888	112	319992	49.121	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	116488	48.722	ug/l		100
67) Ethyl Benzene	11.959	91	555322	52.339	ug/l		100
68) m/p-Xylenes	12.065	106	420702	107.286	ug/l		100
69) o-Xylene	12.394	106	202597	54.062	ug/l		100
70) Styrene	12.406	104	348720	56.227	ug/l		100
71) Bromoform	12.576	173	92366	53.993	ug/l	#	100
73) Isopropylbenzene	12.688	105	505619	51.094	ug/l		100
74) N-amyl acetate	12.488	43	237870	53.478	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.935	83	167856	48.019	ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	130866m	43.982	ug/l		
77) Bromobenzene	12.976	156	125800	48.657	ug/l		100
78) n-propylbenzene	13.029	91	609022	51.986	ug/l		100
79) 2-Chlorotoluene	13.123	91	378981	49.985	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	431021	52.730	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	57184	51.914	ug/l		100
82) 4-Chlorotoluene	13.218	91	379524	50.273	ug/l		100
83) tert-Butylbenzene	13.435	119	357563	52.090	ug/l		100
84) 1,2,4-Trimethylbenzene	13.476	105	442175	54.275	ug/l		100
85) sec-Butylbenzene	13.612	105	501561	52.719	ug/l		100
86) p-Isopropyltoluene	13.723	119	421052	49.240	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	229518	48.204	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	229084	46.416	ug/l		100
89) n-Butylbenzene	14.053	91	364111	53.348	ug/l		100
90) Hexachloroethane	14.329	117	84602	46.712	ug/l		100
91) 1,2-Dichlorobenzene	14.100	146	228024	48.012	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	32536	50.971	ug/l		100
93) 1,2,4-Trichlorobenzene	15.388	180	114468	51.857	ug/l		100
94) Hexachlorobutadiene	15.500	225	53846	45.947	ug/l		100
95) Naphthalene	15.635	128	363882	55.243	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	115251	51.601	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085439.D
Acq On : 14 Jan 2025 15:19
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 15 01:42:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

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

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

ICAL Form

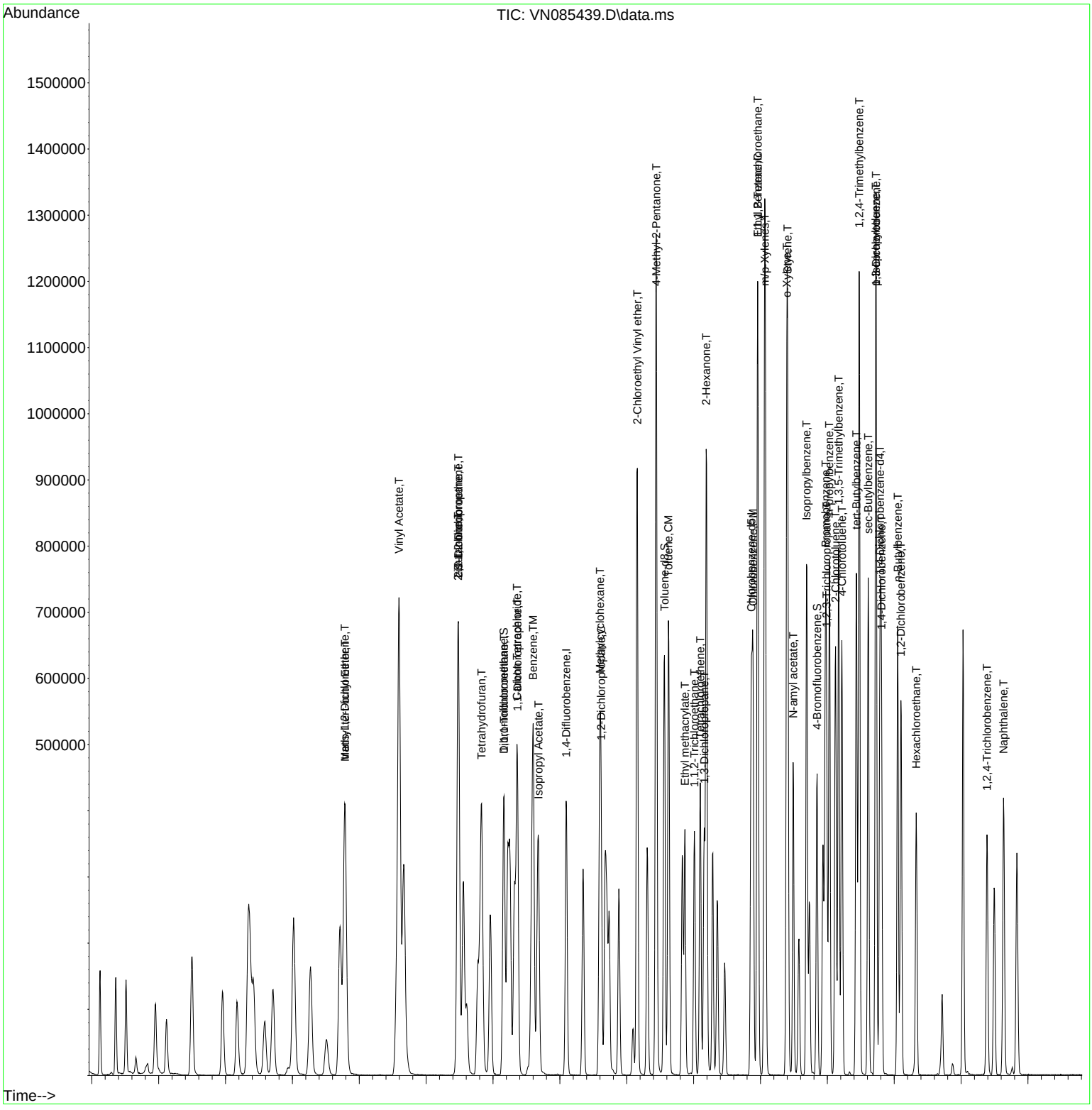
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Data File : VN085439.D
Acq On : 14 Jan 2025 15:19
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

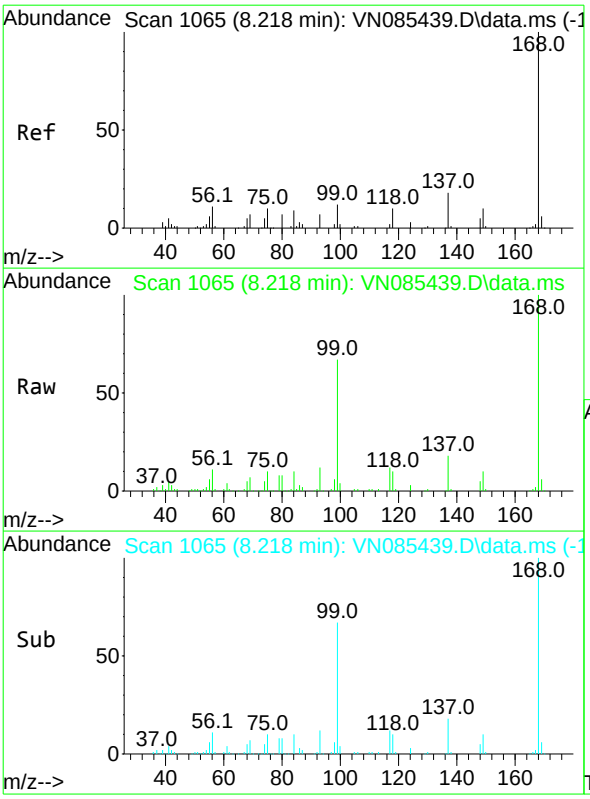
Quant Time: Jan 15 01:42:13 2025
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Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
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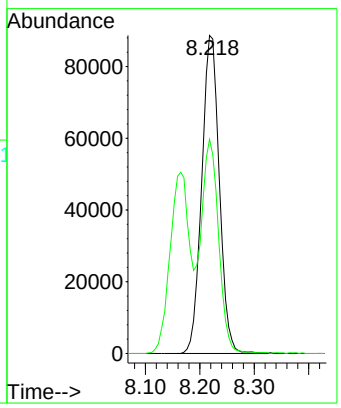




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion:168 Resp: 199403

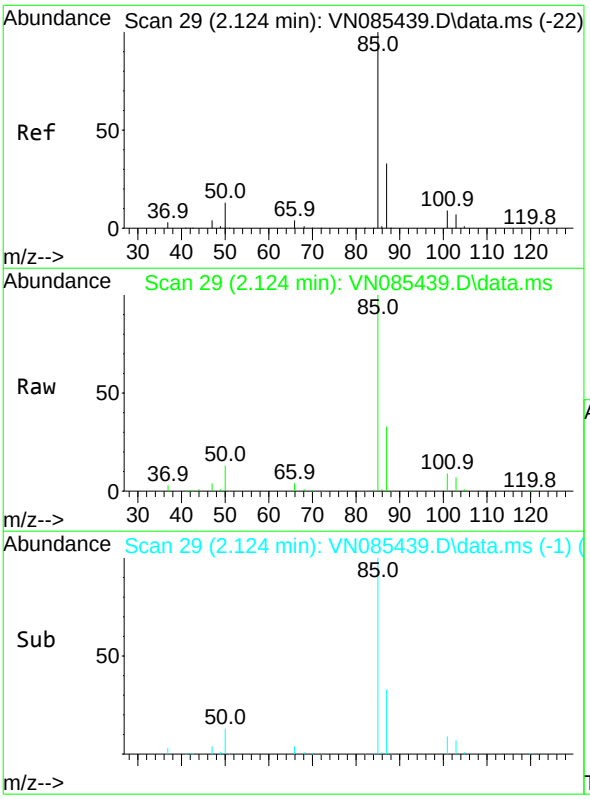
Ion	Ratio	Lower	Upper
168	100		
99	67.0	53.6	80.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
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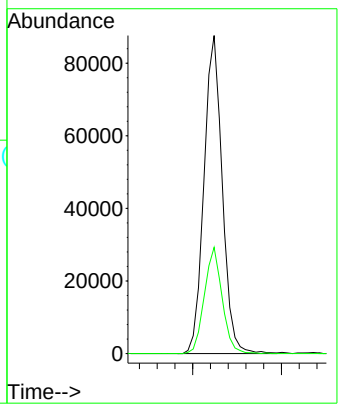
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

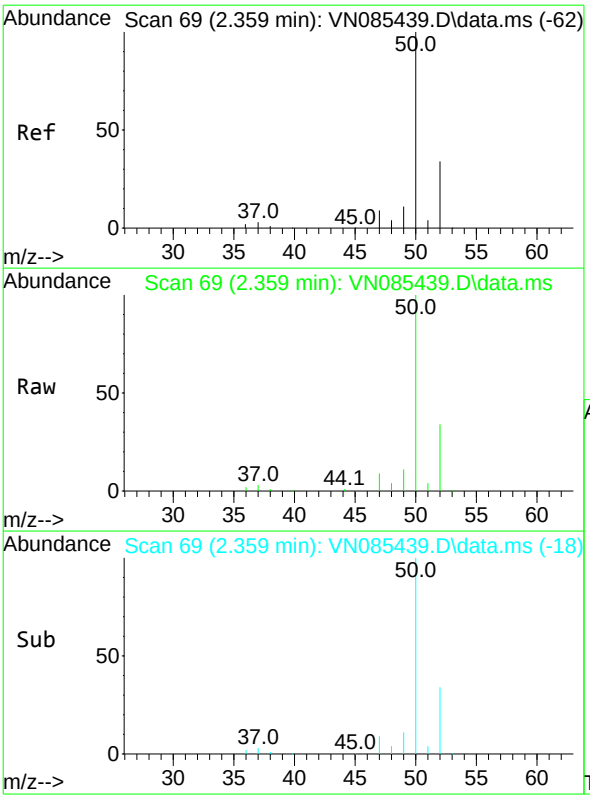


#2
Dichlorodifluoromethane
Concen: 46.486 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 85 Resp: 125504

Ion	Ratio	Lower	Upper
85	100		
87	33.4	16.7	50.1

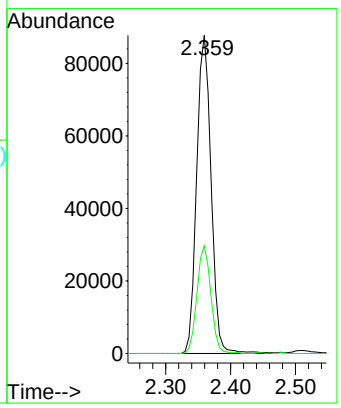




#3
Chloromethane
Concen: 46.398 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 50 Resp: 135631

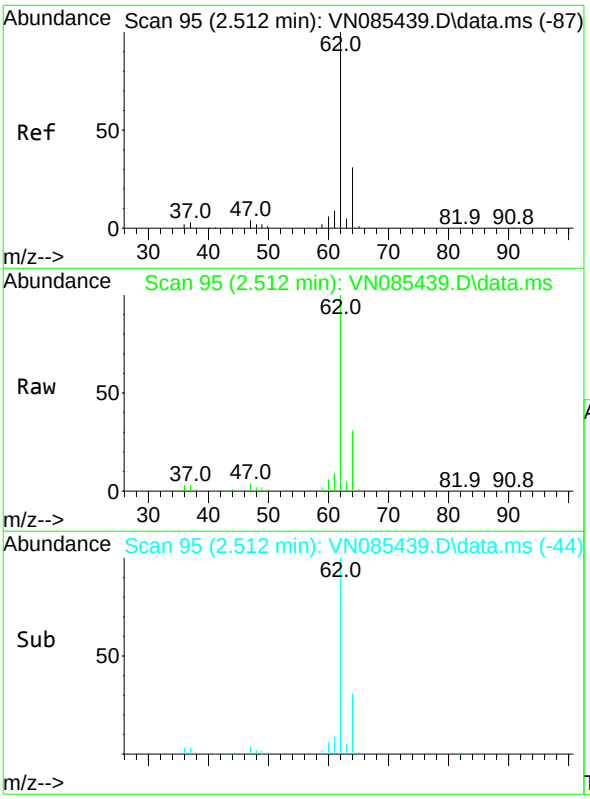
Ion	Ratio	Lower	Upper
50	100		
52	33.8	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

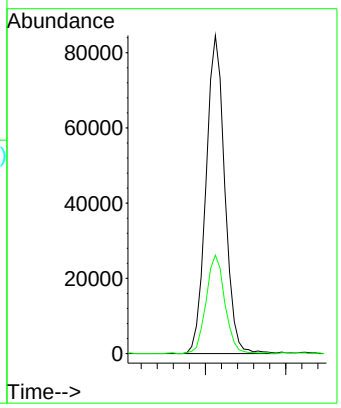
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

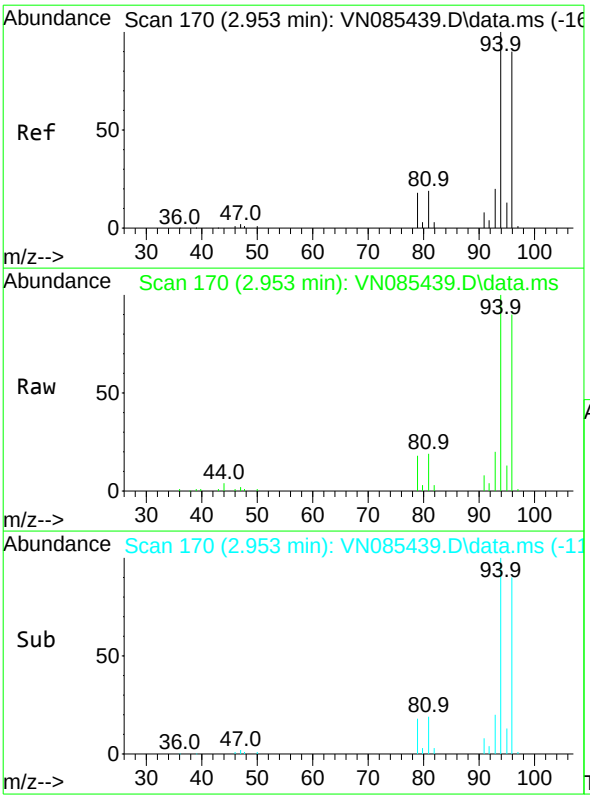


#4
Vinyl Chloride
Concen: 46.569 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 62 Resp: 136831

Ion	Ratio	Lower	Upper
62	100		
64	31.0	24.8	37.2

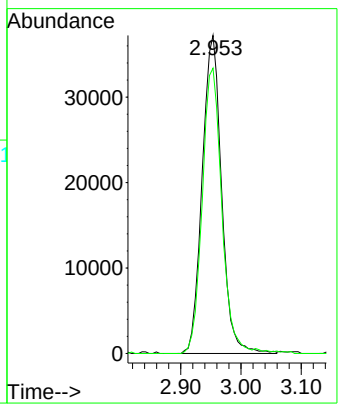




#5
Bromomethane
Concen: 46.877 ug/l
RT: 2.953 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 94 Resp: 83199

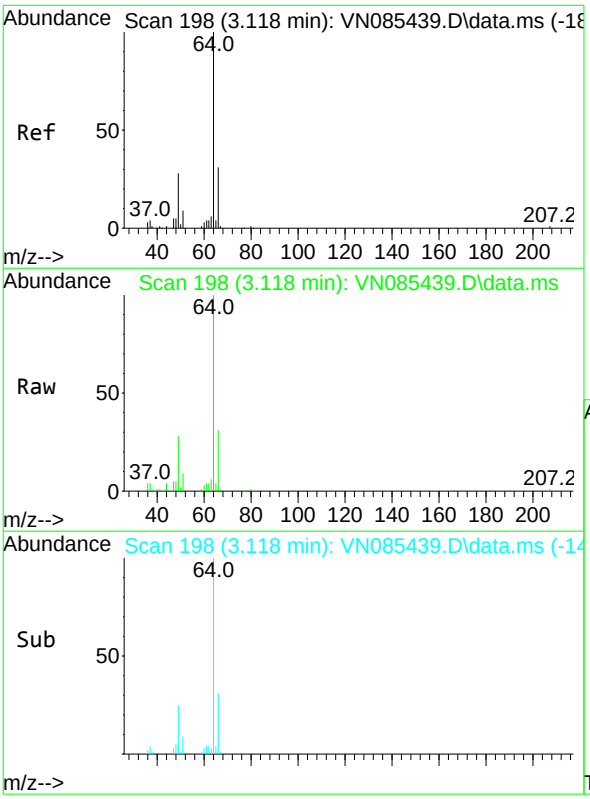
Ion	Ratio	Lower	Upper
94	100		
96	89.7	71.8	107.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
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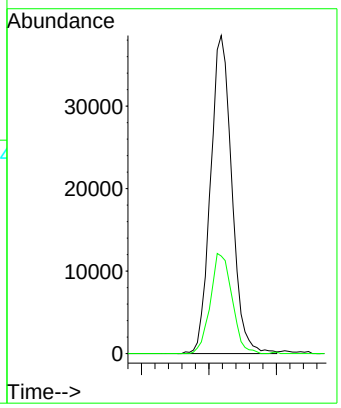
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

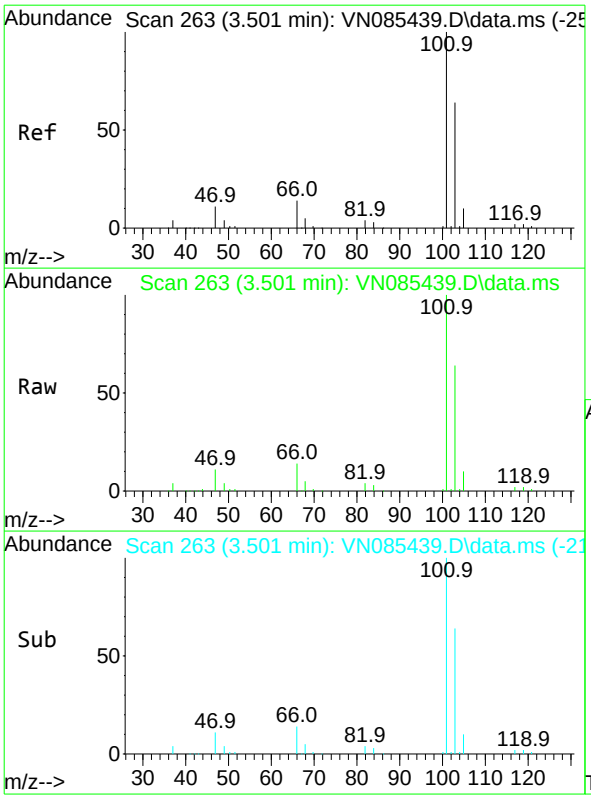


#6
Chloroethane
Concen: 45.371 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 64 Resp: 84517

Ion	Ratio	Lower	Upper
64	100		
66	30.7	24.6	36.8

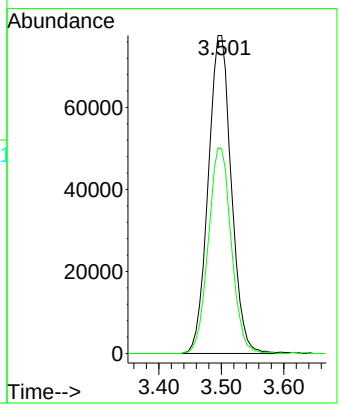




#7
Trichlorofluoromethane
Concen: 46.613 ug/l
RT: 3.501 min Scan# 26
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion:101 Resp: 198726

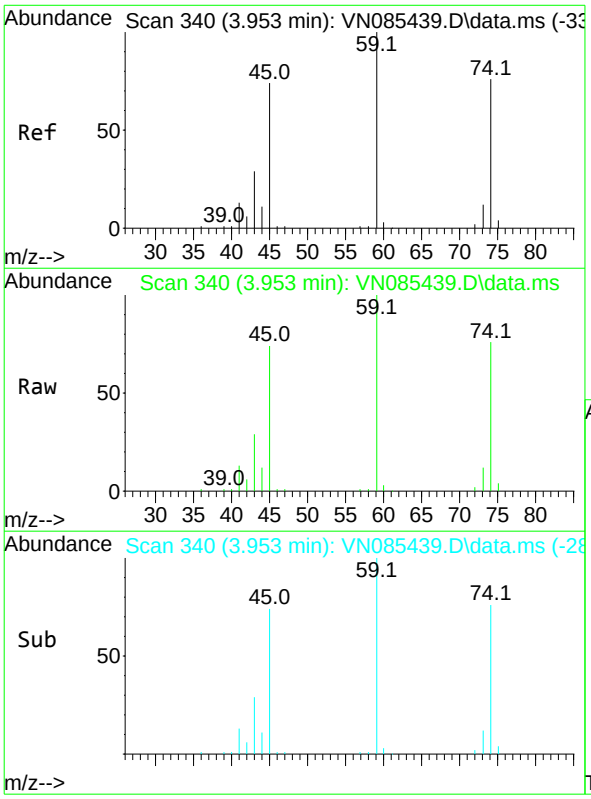
Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.4	77.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

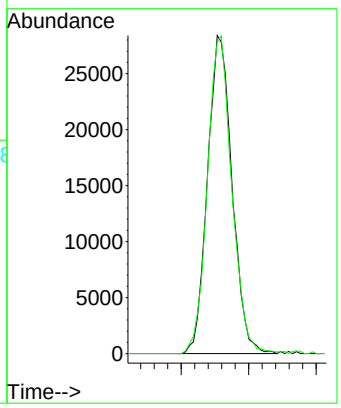
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

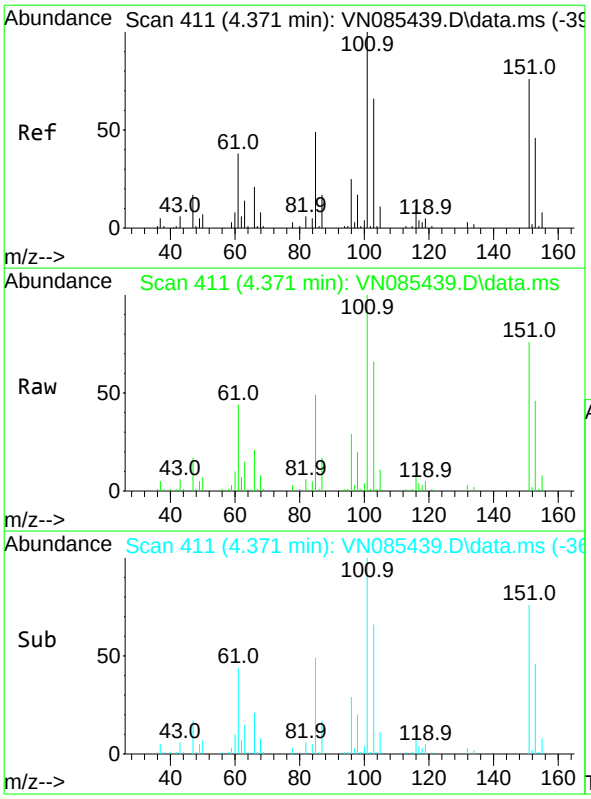


#8
Diethyl Ether
Concen: 48.726 ug/l
RT: 3.953 min Scan# 340
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 74 Resp: 71764

Ion	Ratio	Lower	Upper
74	100		
45	99.4	49.7	149.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.010 ug/l
RT: 4.371 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

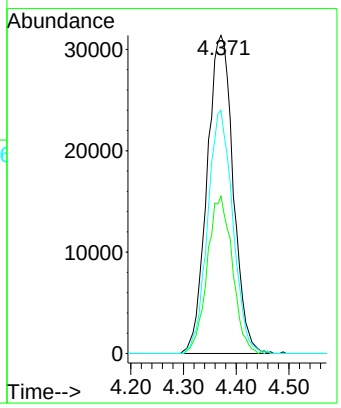
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

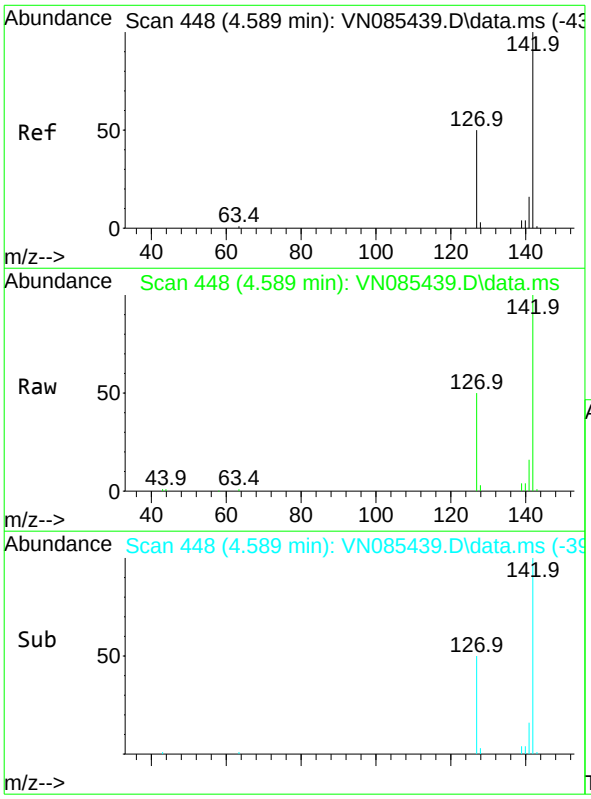
Tgt Ion:101 Resp: 108081

Ion	Ratio	Lower	Upper
101	100		
85	47.3	37.8	56.8
151	73.5	58.8	88.2

Manual Integrations
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Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

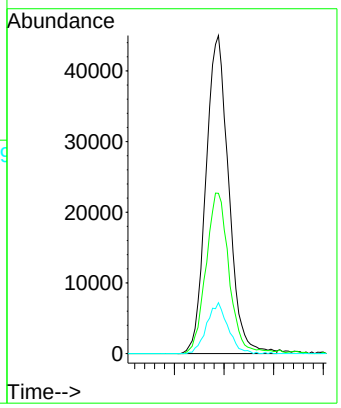


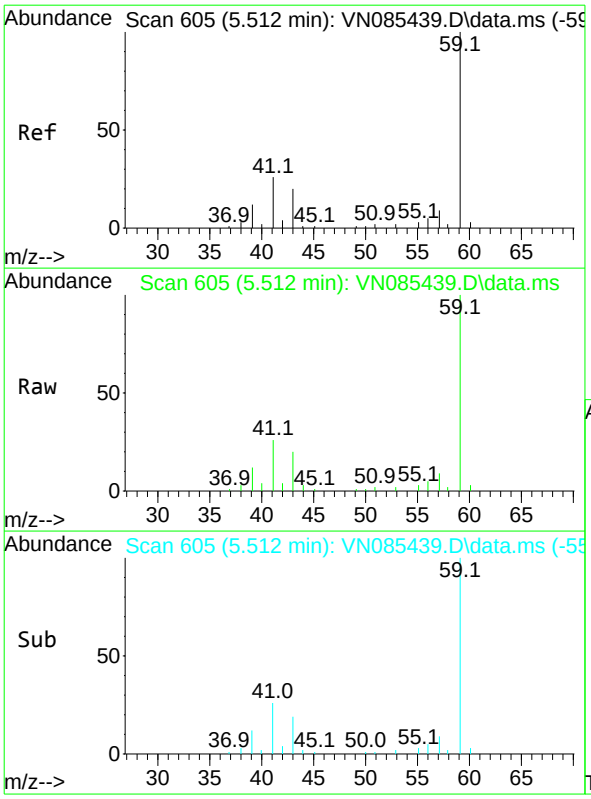


#10
Methyl Iodide
Concen: 52.142 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion:142 Resp: 143383

Ion	Ratio	Lower	Upper
142	100		
127	50.4	40.3	60.5
141	16.0	12.8	19.2





#11
Tert butyl alcohol
Concen: 251.894 ug/l
RT: 5.512 min Scan# 60
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

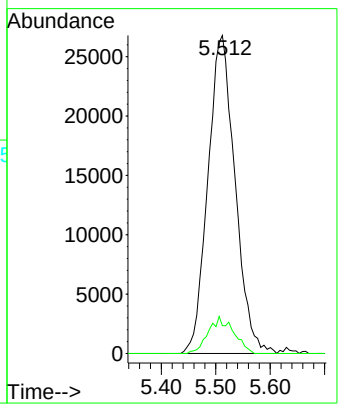
Tgt Ion: 59 Resp: 92841

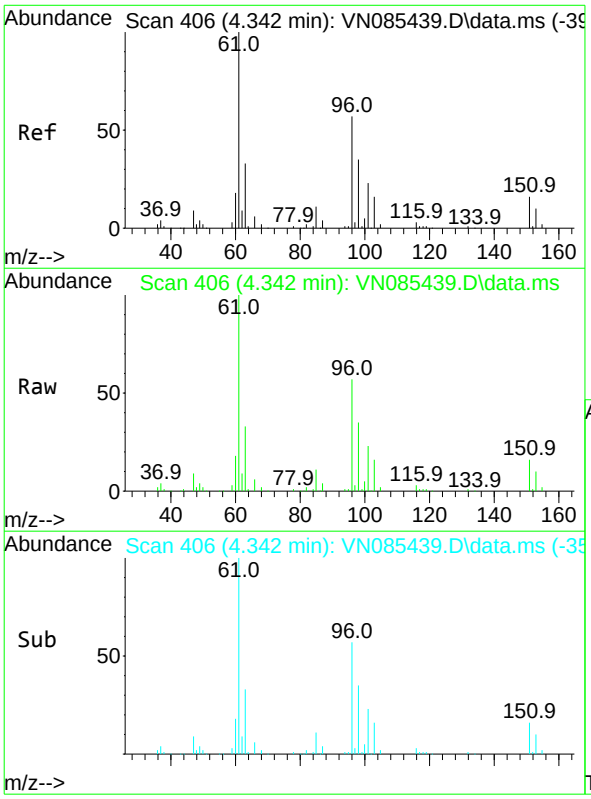
Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.6	13.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

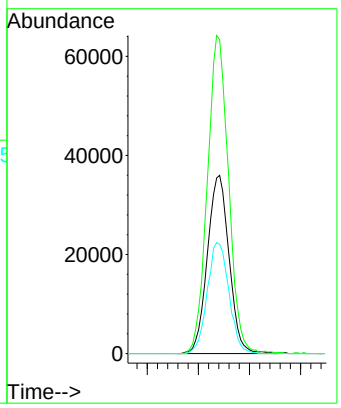


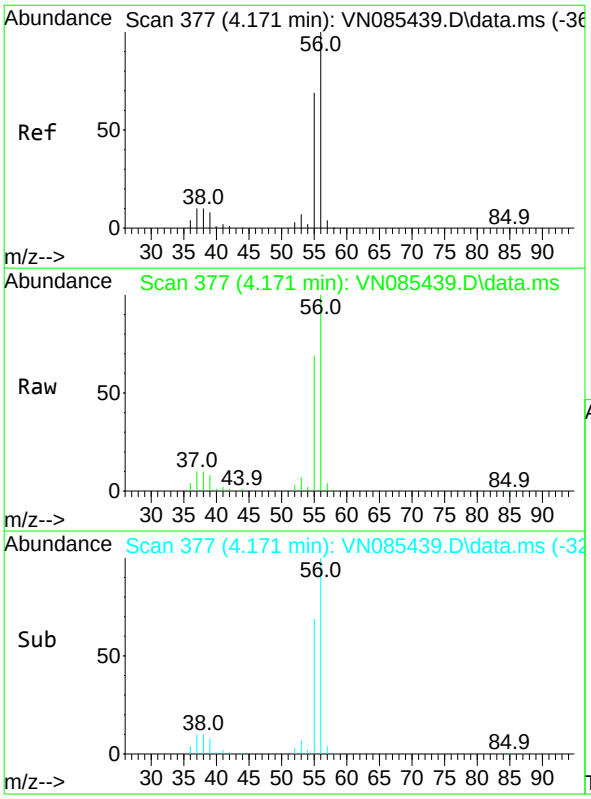


#12
1,1-Dichloroethene
Concen: 49.647 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 96 Resp: 106247

Ion	Ratio	Lower	Upper
96	100		
61	176.2	141.0	211.4
98	61.3	49.0	73.6

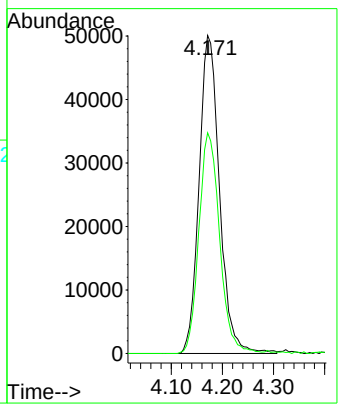




#13
Acrolein
Concen: 276.734 ug/l
RT: 4.171 min Scan# 37
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 56 Resp: 139234

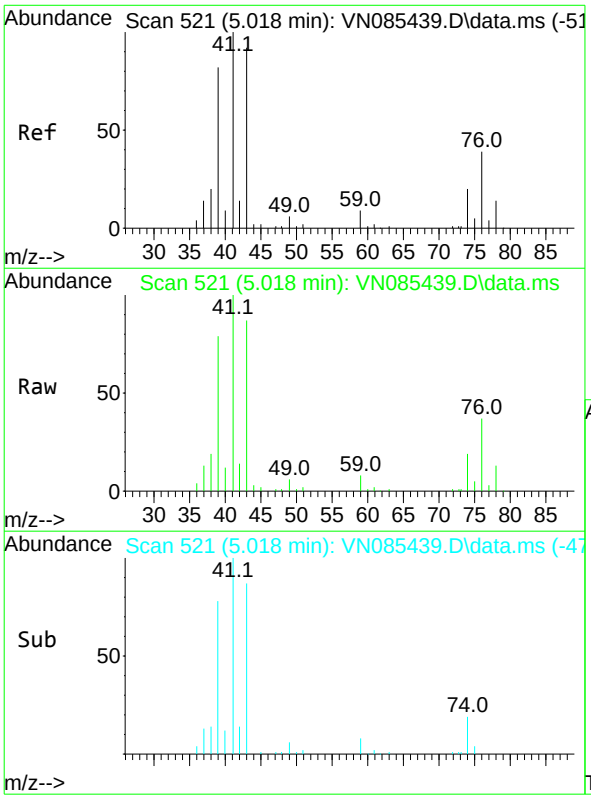
Ion	Ratio	Lower	Upper
56	100		
55	70.4	56.3	84.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

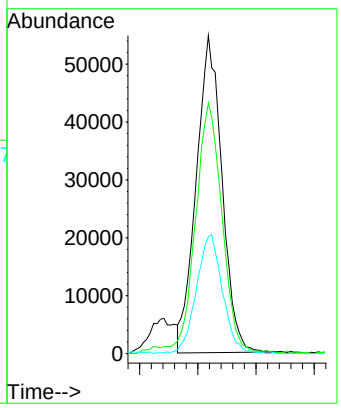
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

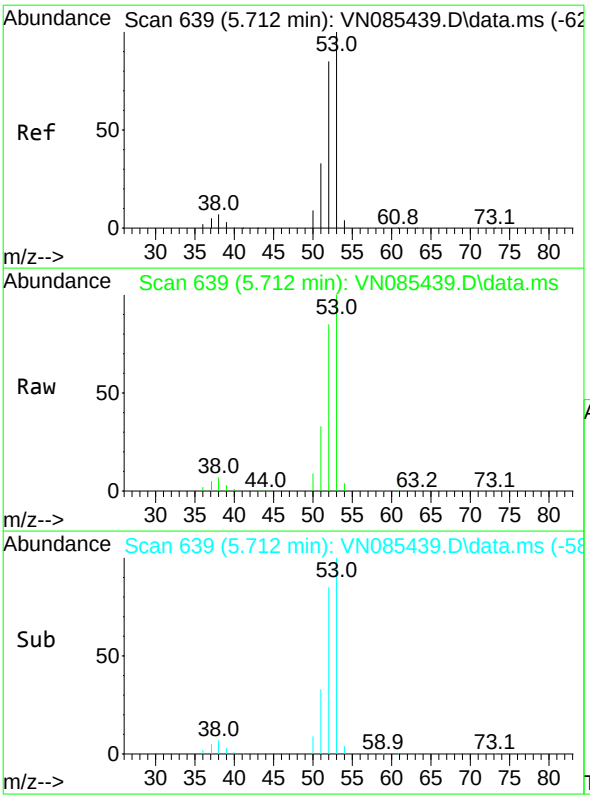


#14
Allyl chloride
Concen: 48.567 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 41 Resp: 168654

Ion	Ratio	Lower	Upper
41	100		
39	80.5	64.4	96.6
76	38.1	30.5	45.7

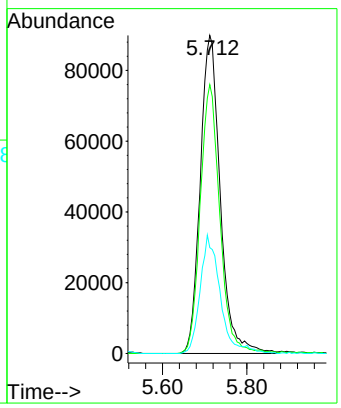




#15
Acrylonitrile
Concen: 253.507 ug/l
RT: 5.712 min Scan# 63
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 53 Resp: 296781

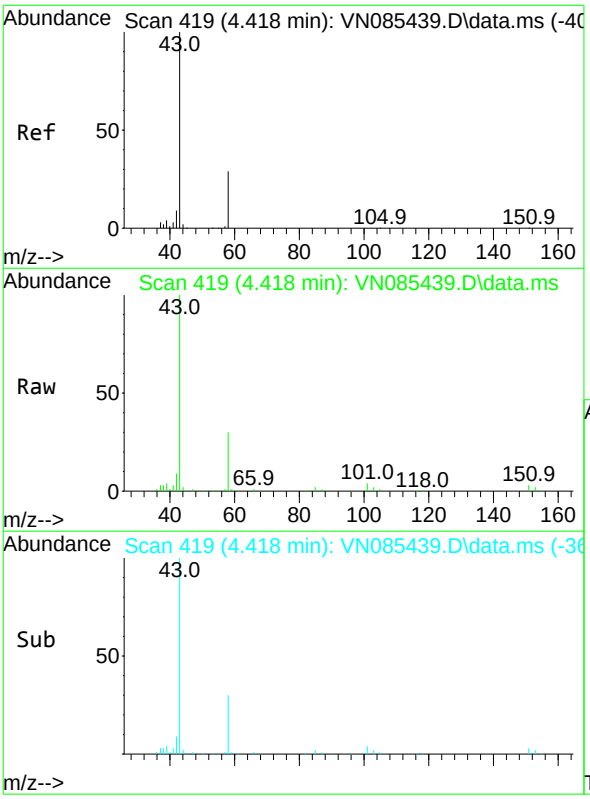
Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.5	98.3
51	37.3	29.8	44.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

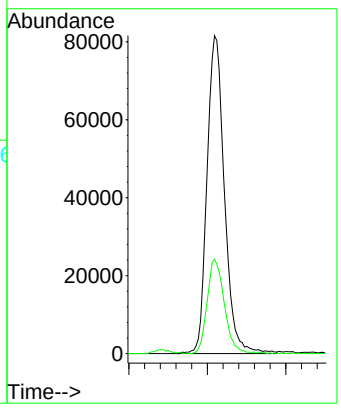
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

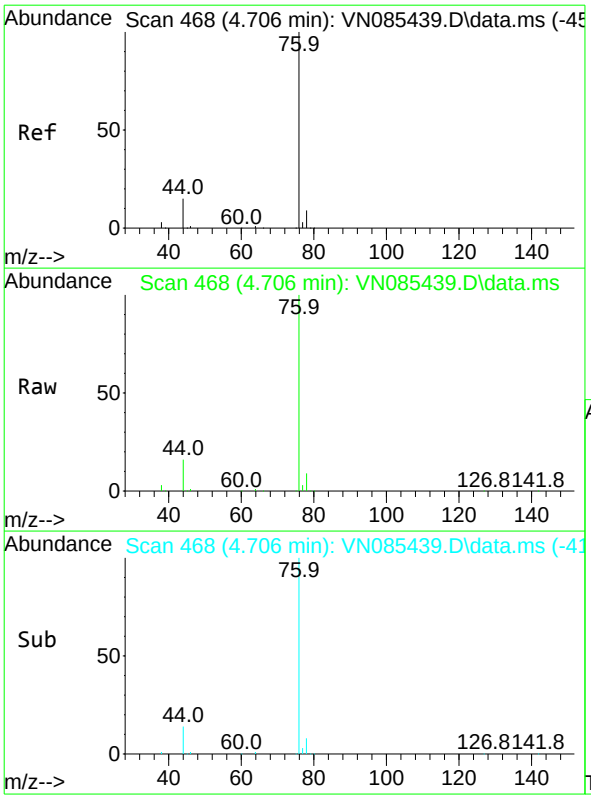


#16
Acetone
Concen: 241.603 ug/l
RT: 4.418 min Scan# 419
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 43 Resp: 251271

Ion	Ratio	Lower	Upper
43	100		
58	29.7	23.8	35.6

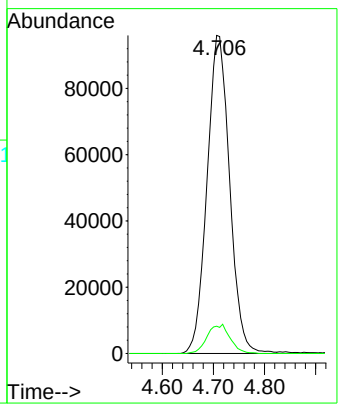




#17
Carbon Disulfide
Concen: 44.710 ug/l
RT: 4.706 min Scan# 46
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 76 Resp: 294604

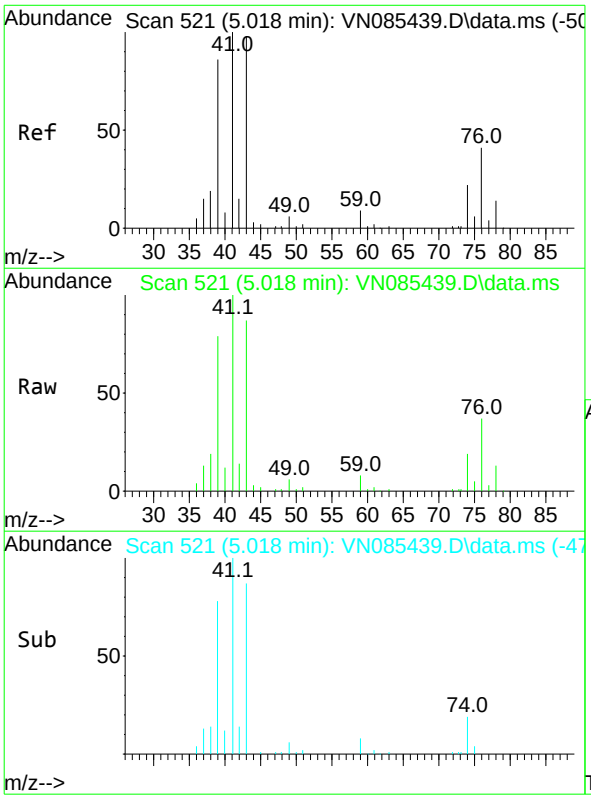
Ion	Ratio	Lower	Upper
76	100		
78	8.6	6.9	10.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

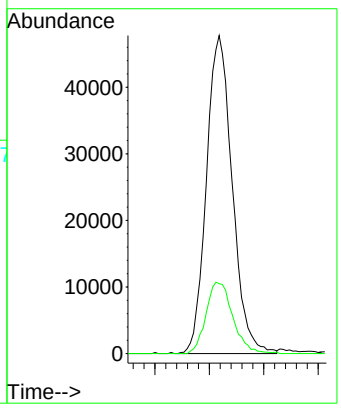
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

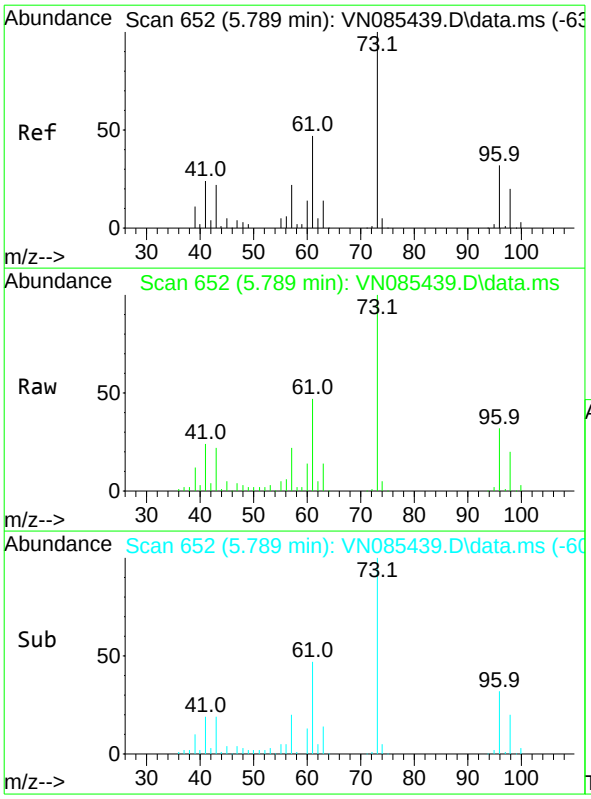


#18
Methyl Acetate
Concen: 49.798 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 43 Resp: 157485

Ion	Ratio	Lower	Upper
43	100		
74	23.3	18.6	28.0

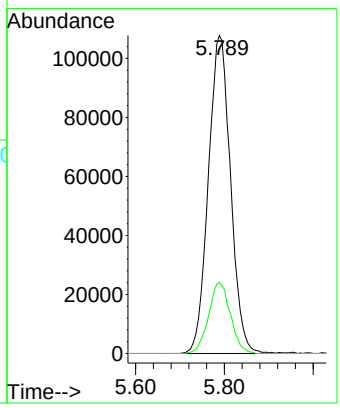




#19
Methyl tert-butyl Ether
Concen: 53.758 ug/l
RT: 5.789 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 73 Resp: 373561

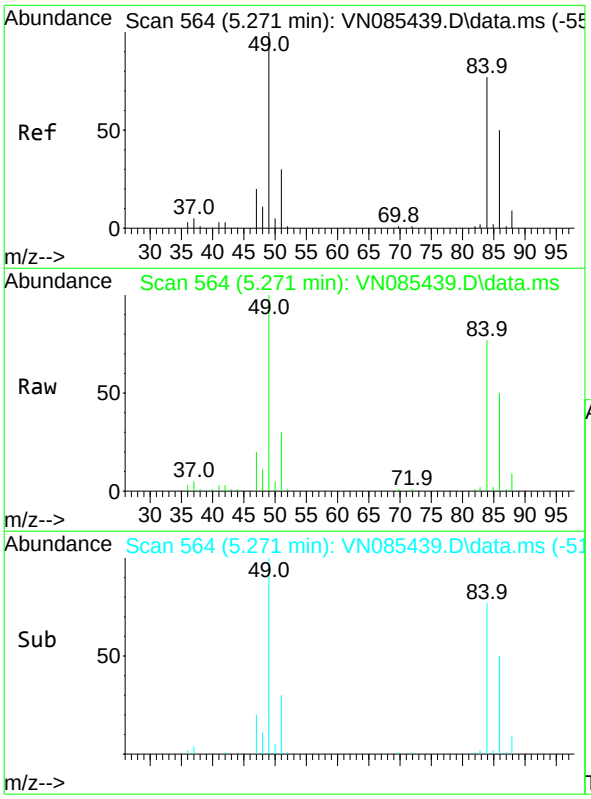
Ion	Ratio	Lower	Upper
73	100		
57	22.3	17.8	26.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
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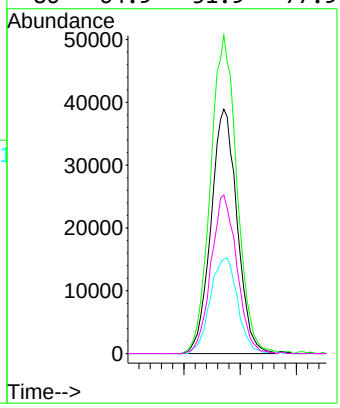
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

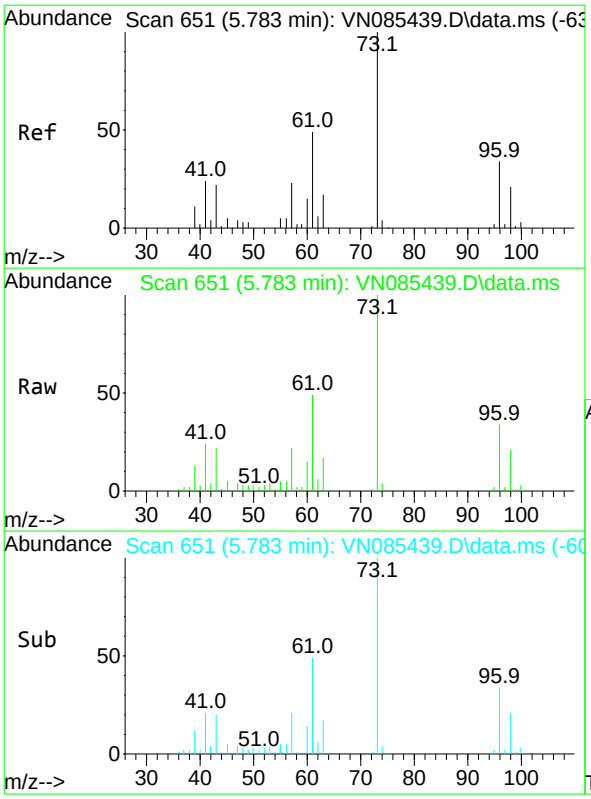


#20
Methylene Chloride
Concen: 48.748 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 84 Resp: 125508

Ion	Ratio	Lower	Upper
84	100		
49	130.1	104.1	156.1
51	38.7	31.0	46.4
86	64.9	51.9	77.9

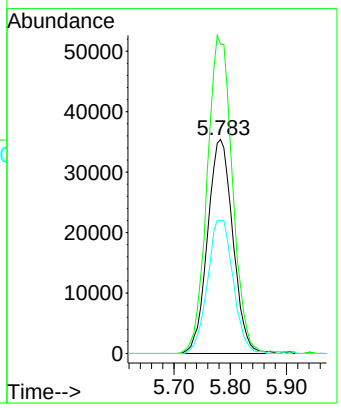




#21
trans-1,2-Dichloroethene
Concen: 48.395 ug/l
RT: 5.783 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 96 Resp: 110684

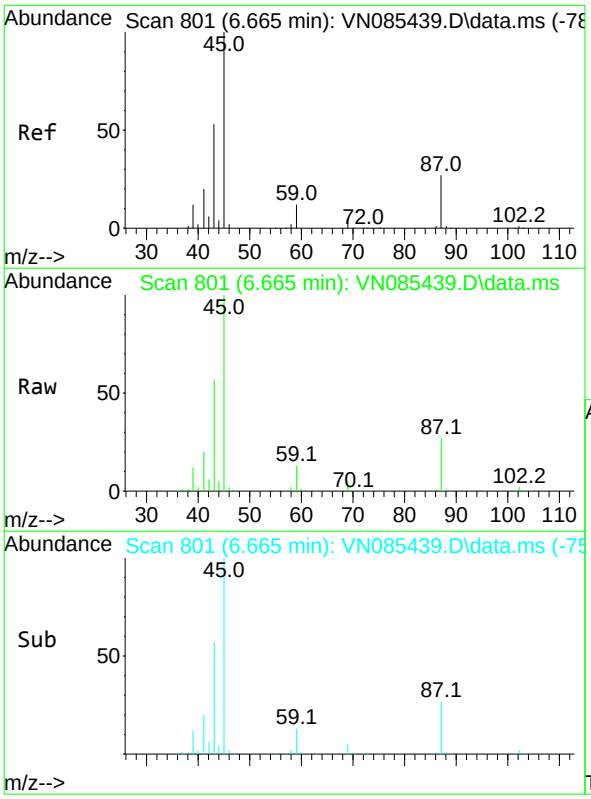
Ion	Ratio	Lower	Upper
96	100		
61	144.6	115.7	173.5
98	62.3	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

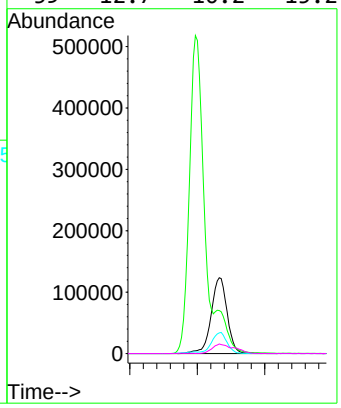
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

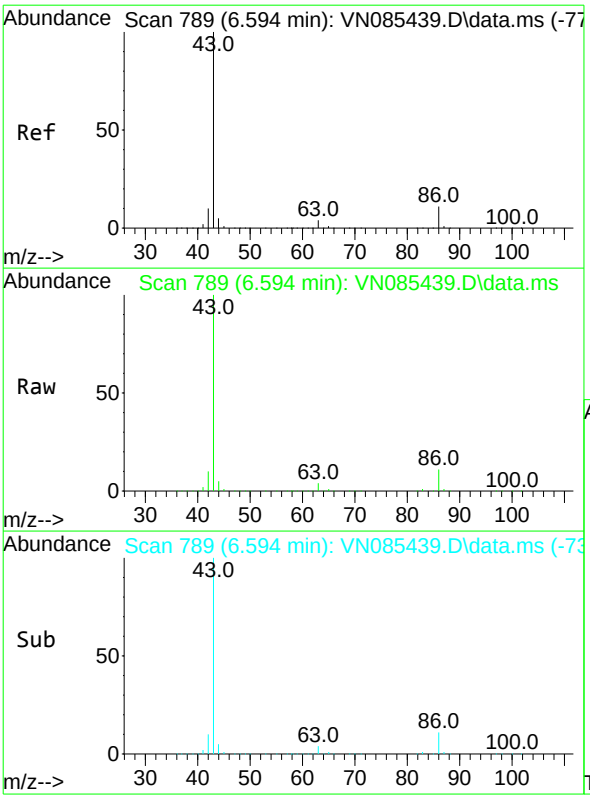


#22
Diisopropyl ether
Concen: 52.707 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 45 Resp: 406253

Ion	Ratio	Lower	Upper
45	100		
43	56.3	45.0	67.6
87	27.3	21.8	32.8
59	12.7	10.2	15.2

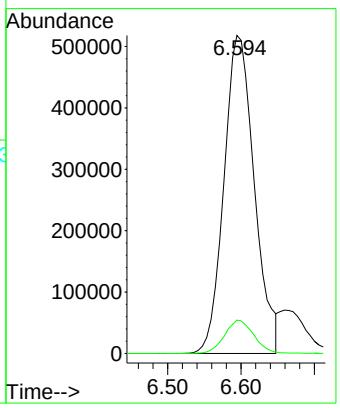




#23
Vinyl Acetate
Concen: 275.471 ug/l
RT: 6.594 min Scan# 78
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 43 Resp: 1491031

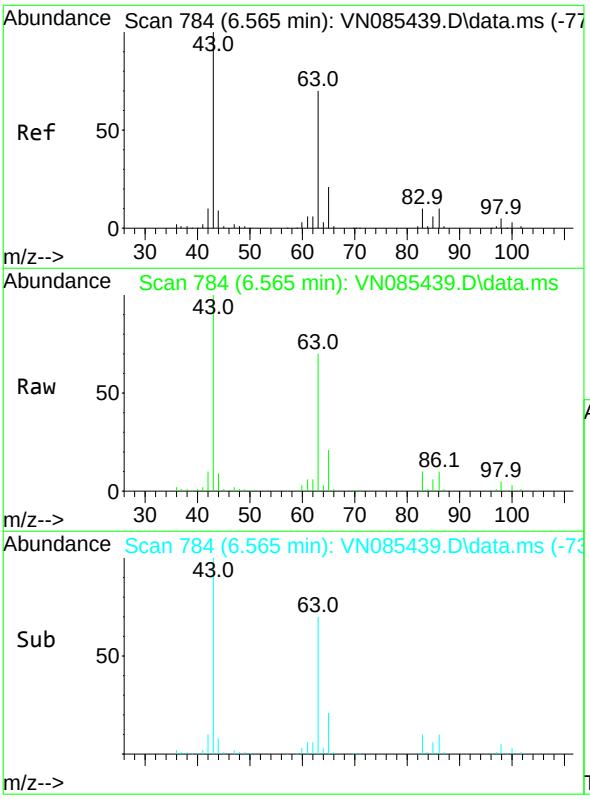
Ion	Ratio	Lower	Upper
43	100		
86	10.5	8.4	12.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
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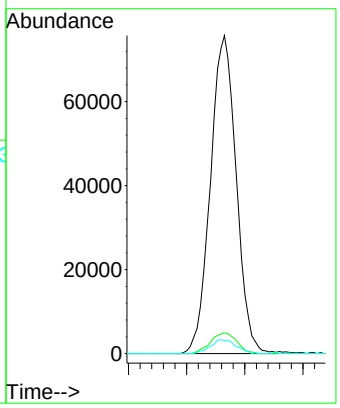
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

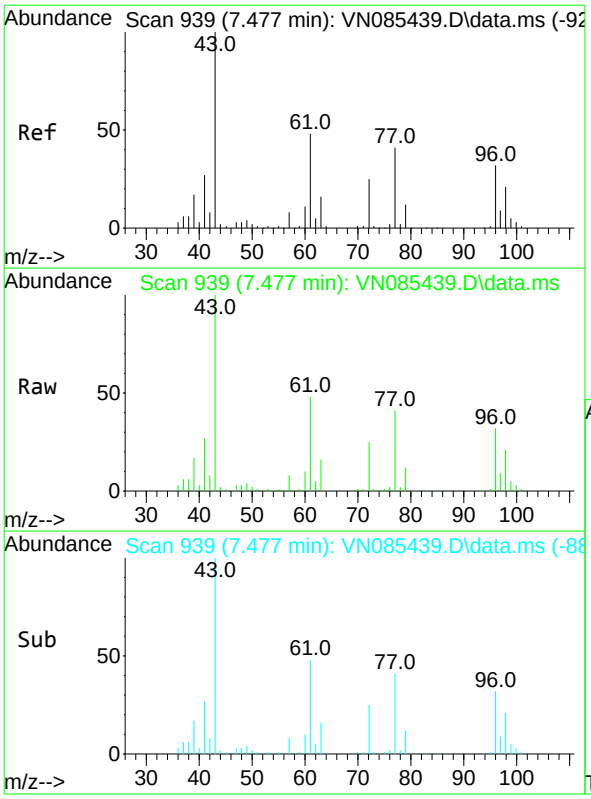


#24
1,1-Dichloroethane
Concen: 49.648 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 63 Resp: 233336

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.3	9.8
100	4.0	2.0	6.0





#25
2-Butanone
Concen: 253.815 ug/l
RT: 7.477 min Scan# 93
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

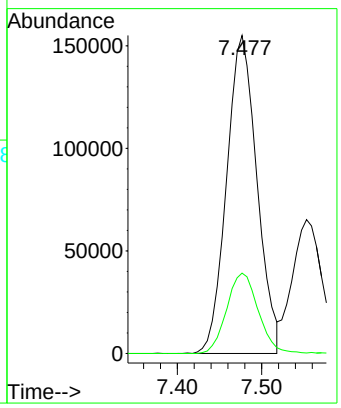
Tgt Ion: 43 Resp: 388457

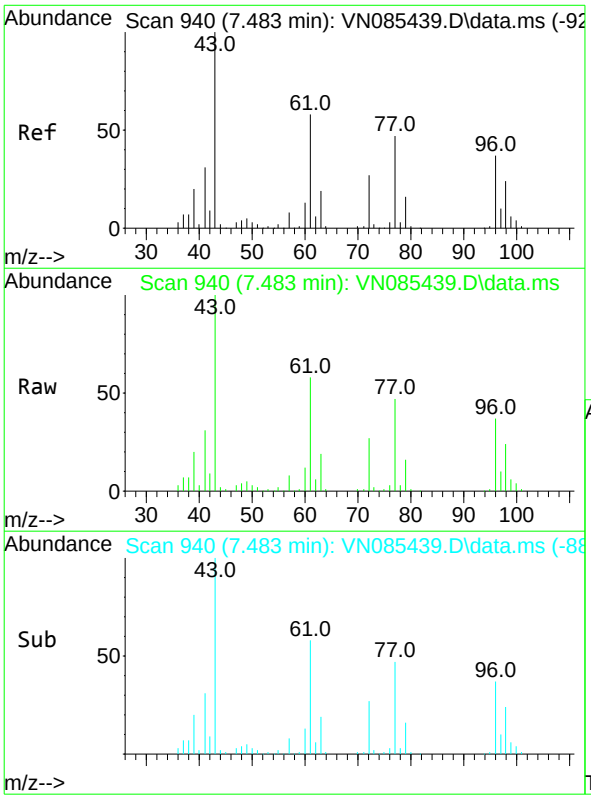
Ion	Ratio	Lower	Upper
43	100		
72	25.3	20.2	30.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

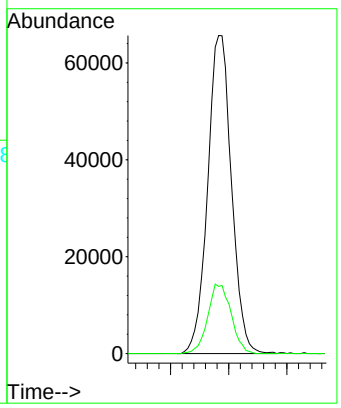


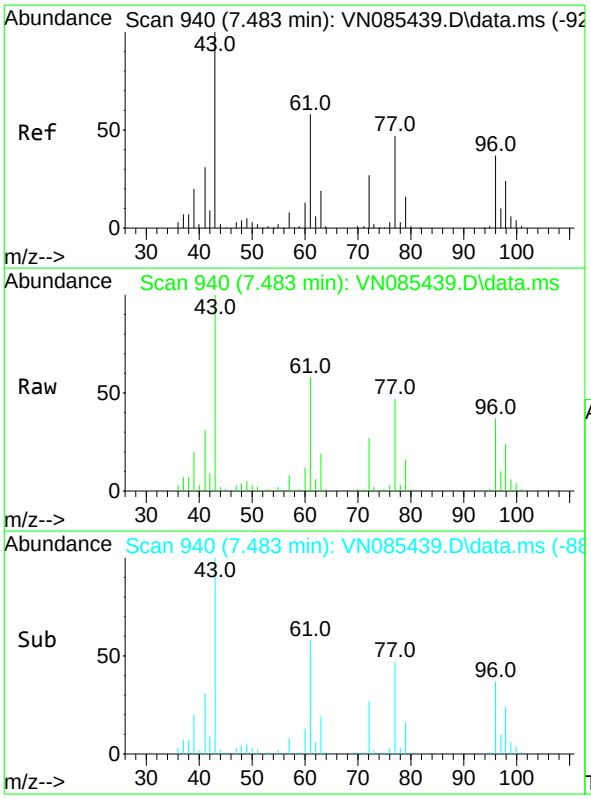


#26
2,2-Dichloropropane
Concen: 49.106 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 77 Resp: 186591

Ion	Ratio	Lower	Upper
77	100		
97	21.4	10.7	32.1





#27
cis-1,2-Dichloroethene
Concen: 50.571 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

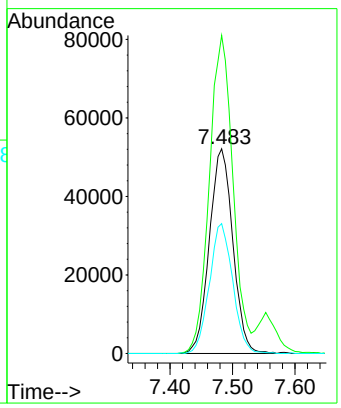
Tgt Ion: 96 Resp: 136229

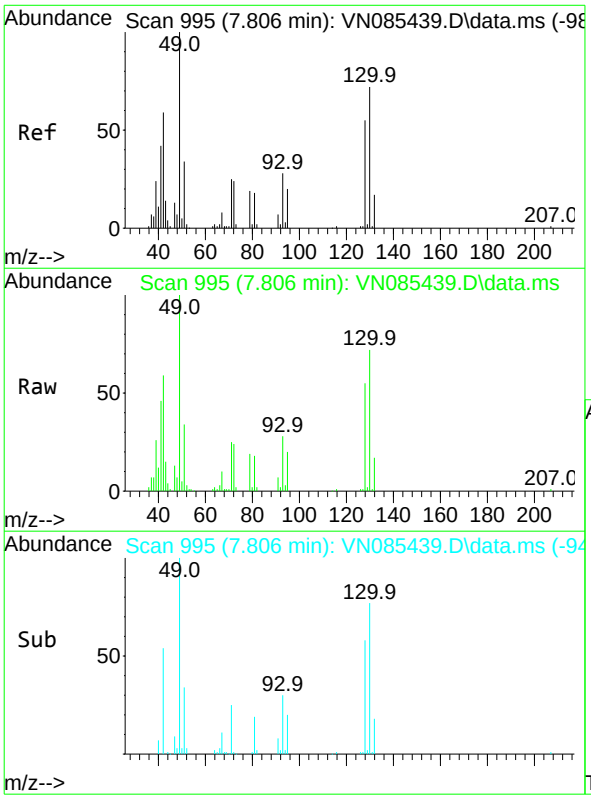
Ion	Ratio	Lower	Upper
96	100		
61	155.9	0.0	311.8
98	63.0	0.0	126.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

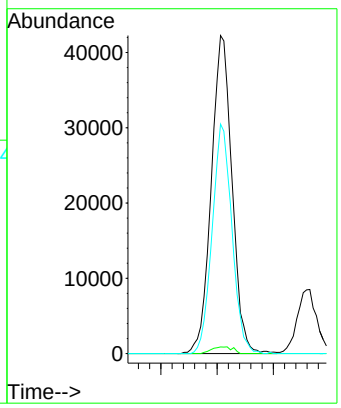


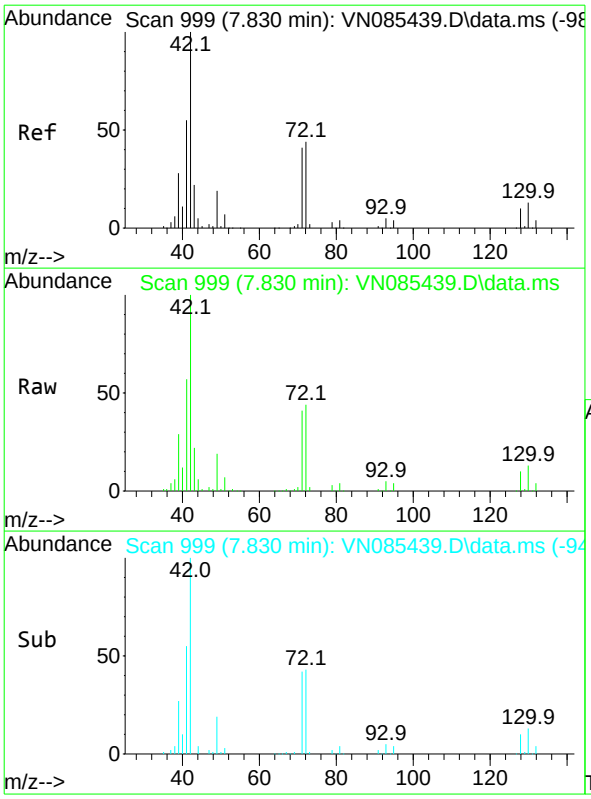


#28
Bromochloromethane
Concen: 49.461 ug/l
RT: 7.806 min Scan# 995
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 49 Resp: 108148

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	68.7	55.0	82.4

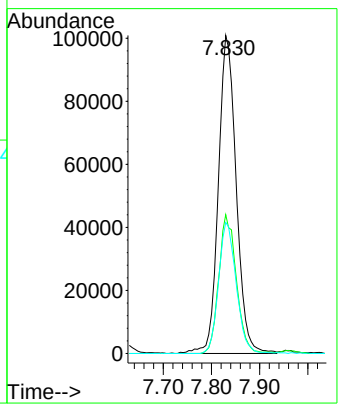




#29
Tetrahydrofuran
Concen: 267.624 ug/l
RT: 7.830 min Scan# 99
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 42 Resp: 259683

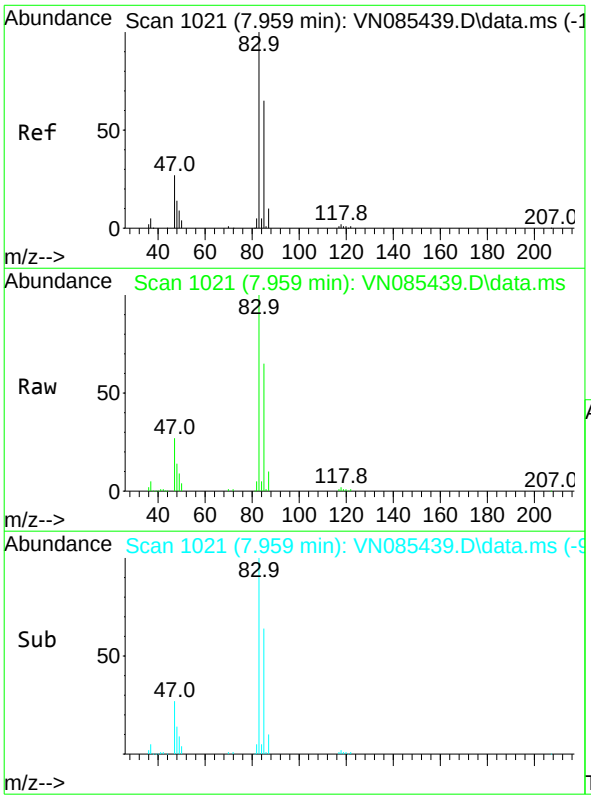
Ion	Ratio	Lower	Upper
42	100		
72	42.7	34.2	51.2
71	40.6	32.5	48.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
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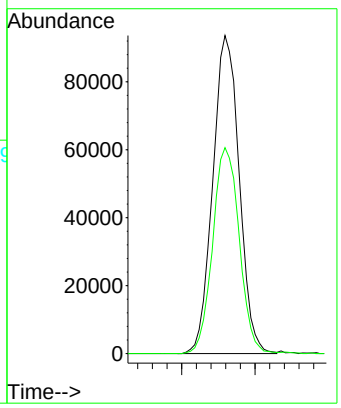
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

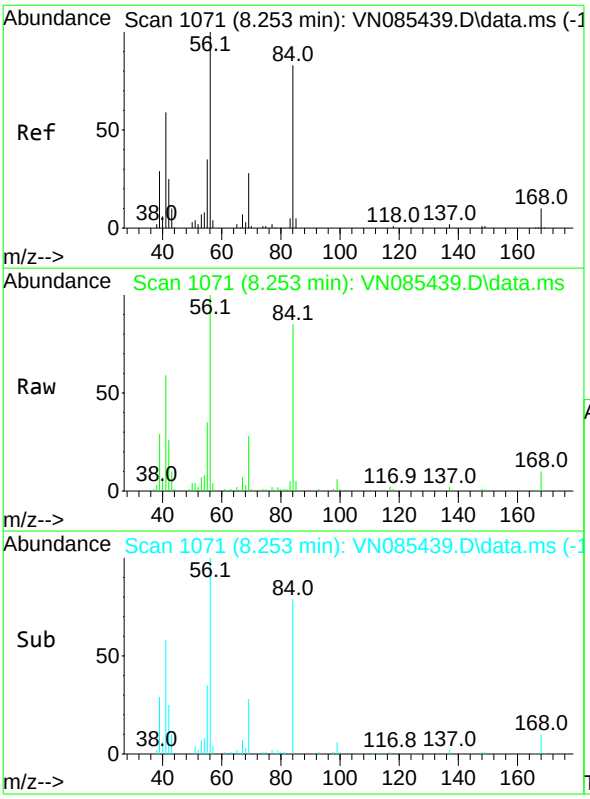


#30
Chloroform
Concen: 48.229 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 83 Resp: 234271

Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.6

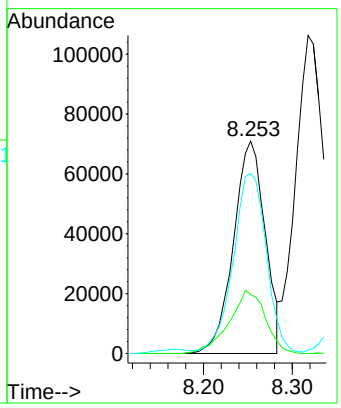




#31
Cyclohexane
Concen: 42.984 ug/l
RT: 8.253 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 56 Resp: 175588

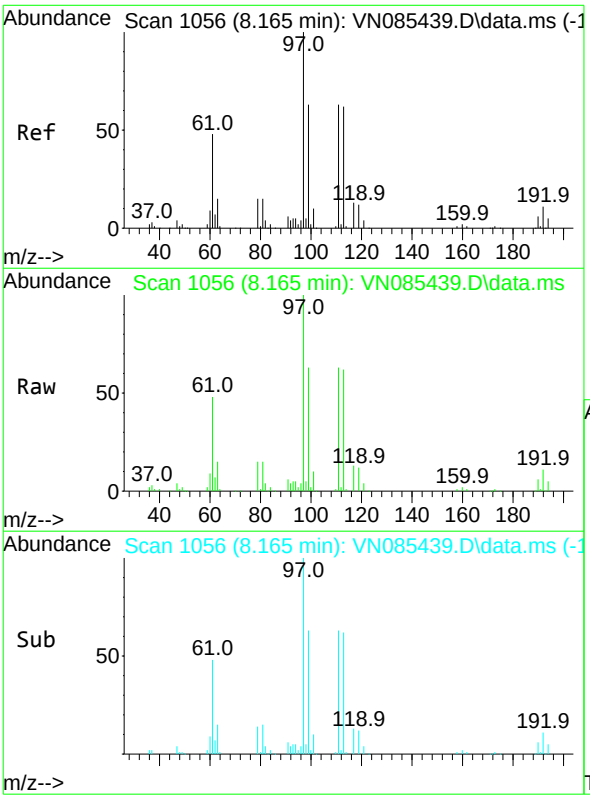
Ion	Ratio	Lower	Upper
56	100		
69	27.8	22.2	33.4
84	83.0	66.4	99.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
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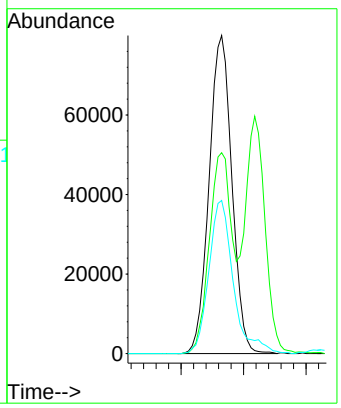
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

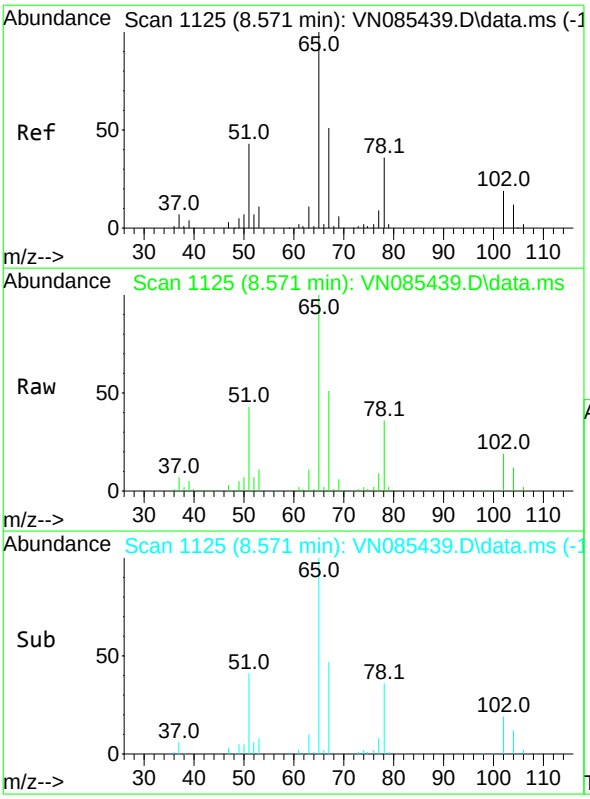


#32
1,1,1-Trichloroethane
Concen: 47.547 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 97 Resp: 202590

Ion	Ratio	Lower	Upper
97	100		
99	62.2	49.8	74.6
61	51.8	41.4	62.2

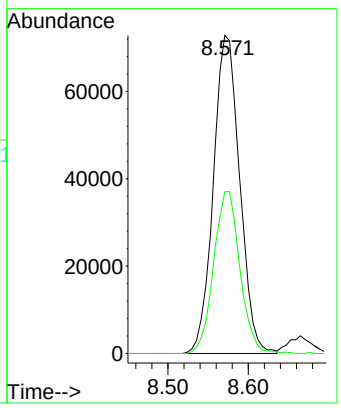




#33
1,2-Dichloroethane-d4
Concen: 51.500 ug/l
RT: 8.571 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 65 Resp: 165768

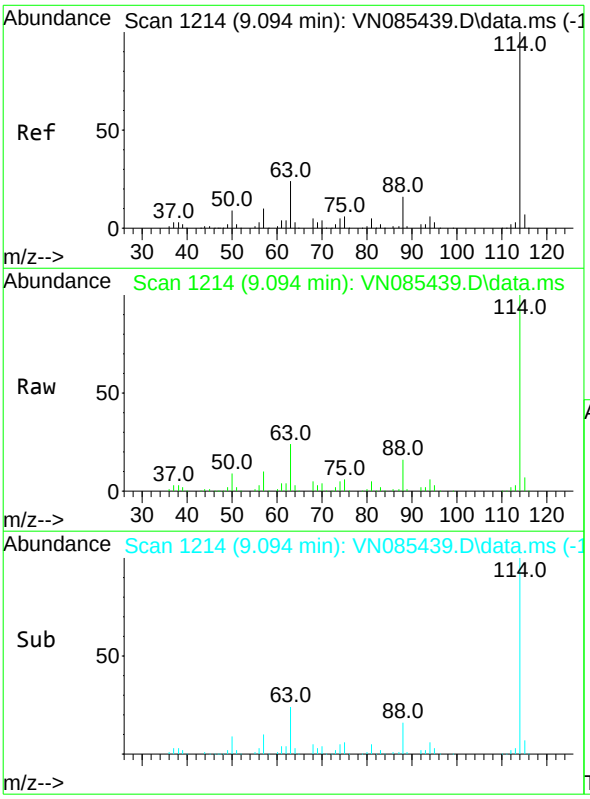
Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	101.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

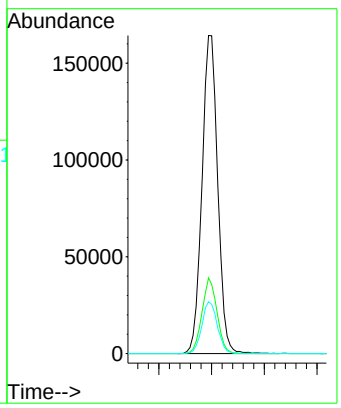
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

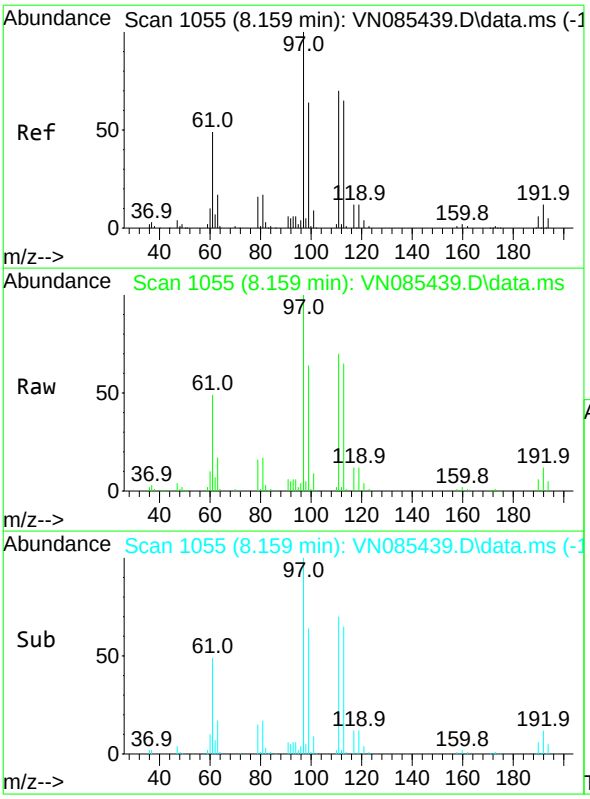


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion:114 Resp: 339872

Ion	Ratio	Lower	Upper
114	100		
63	23.8	0.0	47.6
88	16.3	0.0	32.6





#35
Dibromofluoromethane
Concen: 51.552 ug/l
RT: 8.159 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

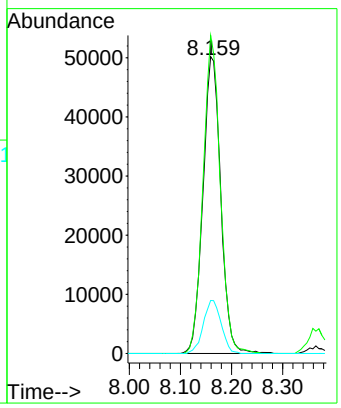
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MSVOA_N
ClientSampleId :
VSTDICCC050

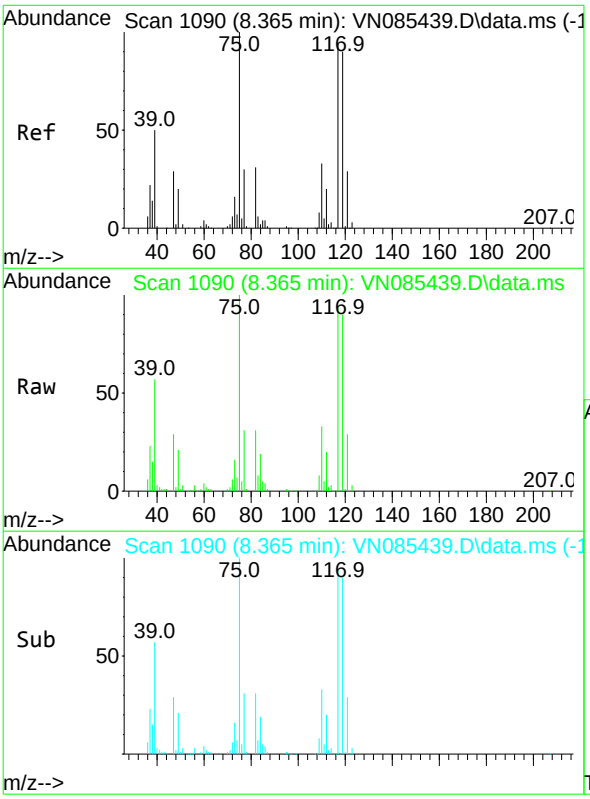
Tgt Ion:113 Resp: 121554

Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.7	124.1
192	17.9	14.3	21.5

Manual Integrations
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Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

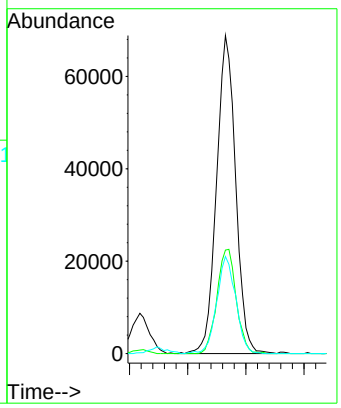


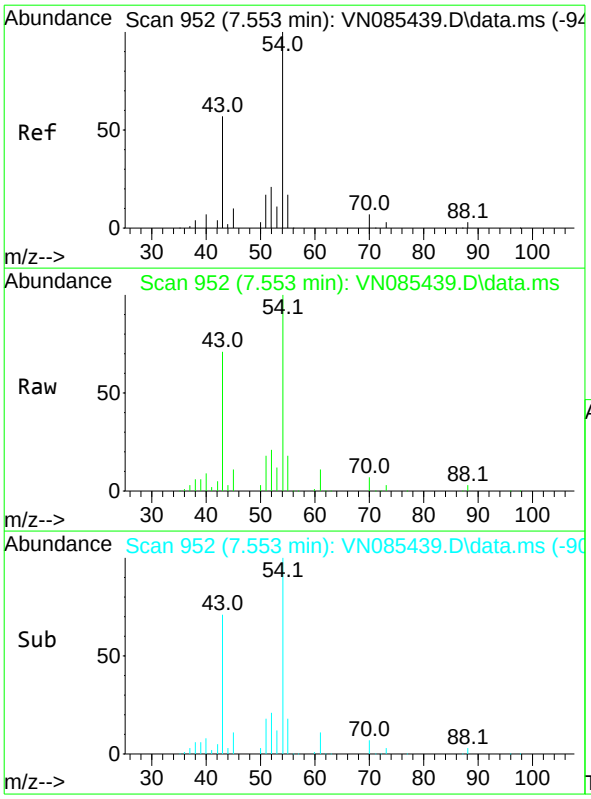


#36
1,1-Dichloropropene
Concen: 47.453 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 75 Resp: 157031

Ion	Ratio	Lower	Upper
75	100		
110	33.0	16.5	49.5
77	30.5	24.4	36.6

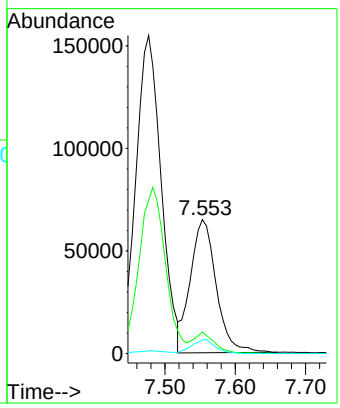




#37
Ethyl Acetate
Concen: 49.658 ug/l
RT: 7.553 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 43 Resp: 165866

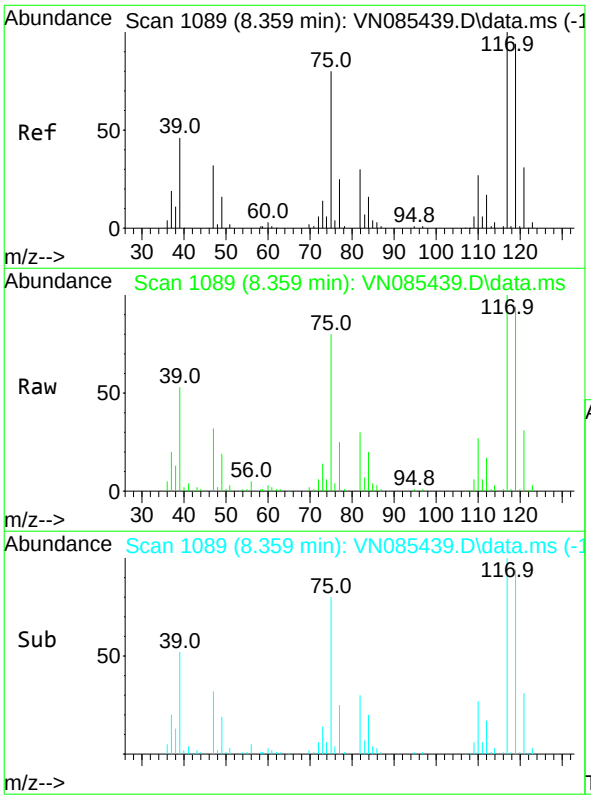
Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.9	16.3
70	9.4	7.5	11.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

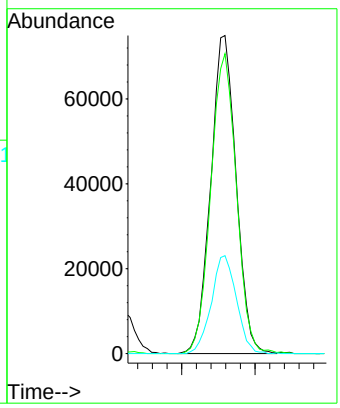
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

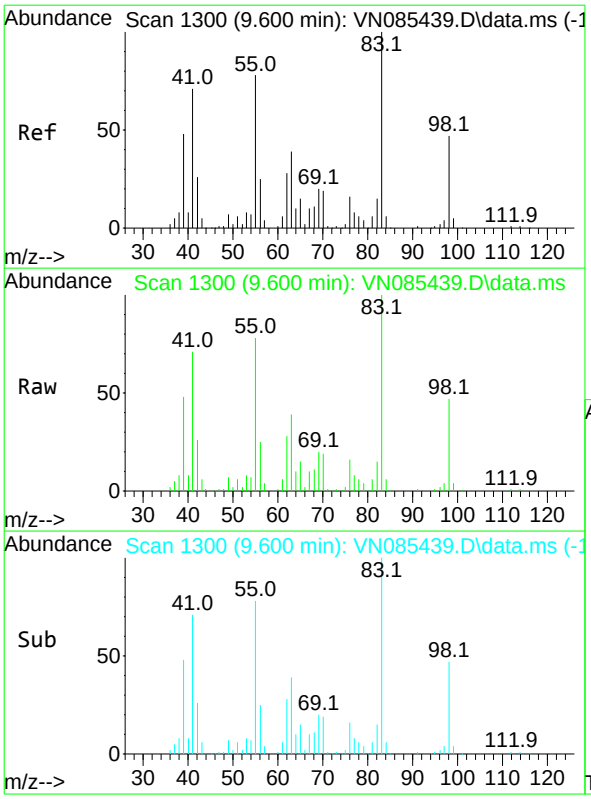


#38
Carbon Tetrachloride
Concen: 47.564 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion:117 Resp: 180199

Ion	Ratio	Lower	Upper
117	100		
119	94.3	75.4	113.2
121	30.8	24.6	37.0

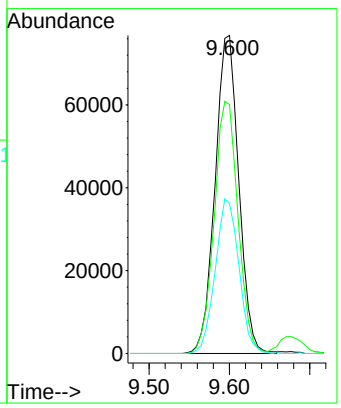




#39
Methylcyclohexane
Concen: 50.562 ug/l
RT: 9.600 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 83 Resp: 157234

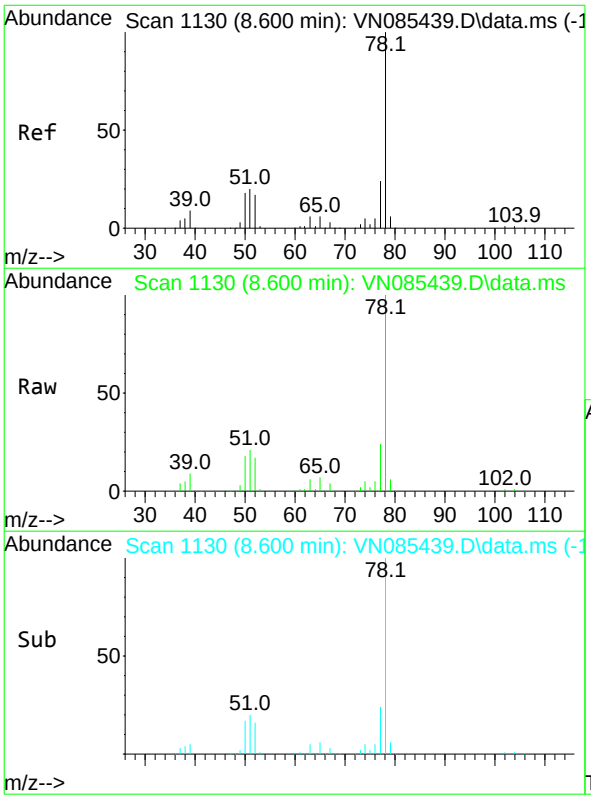
Ion	Ratio	Lower	Upper
83	100		
55	78.3	62.6	94.0
98	47.1	37.7	56.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

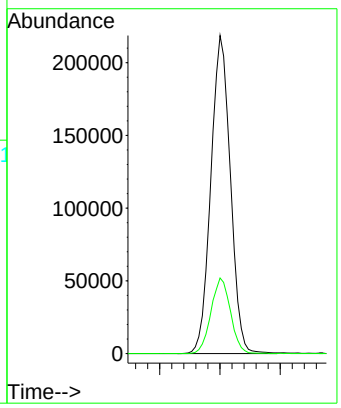
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

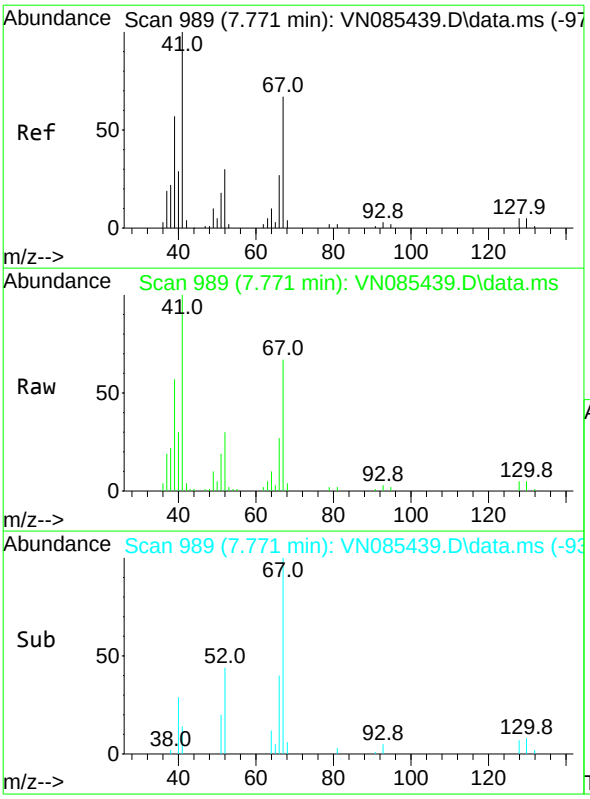


#40
Benzene
Concen: 49.542 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 78 Resp: 492606

Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.6

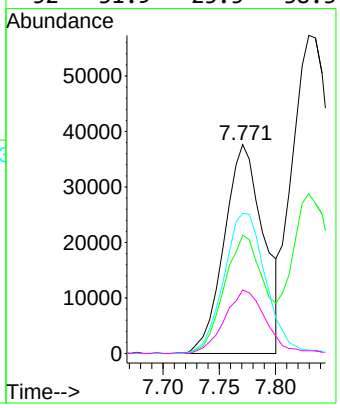




#41
Methacrylonitrile
Concen: 52.775 ug/l
RT: 7.771 min Scan# 98
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 41 Resp: 91711

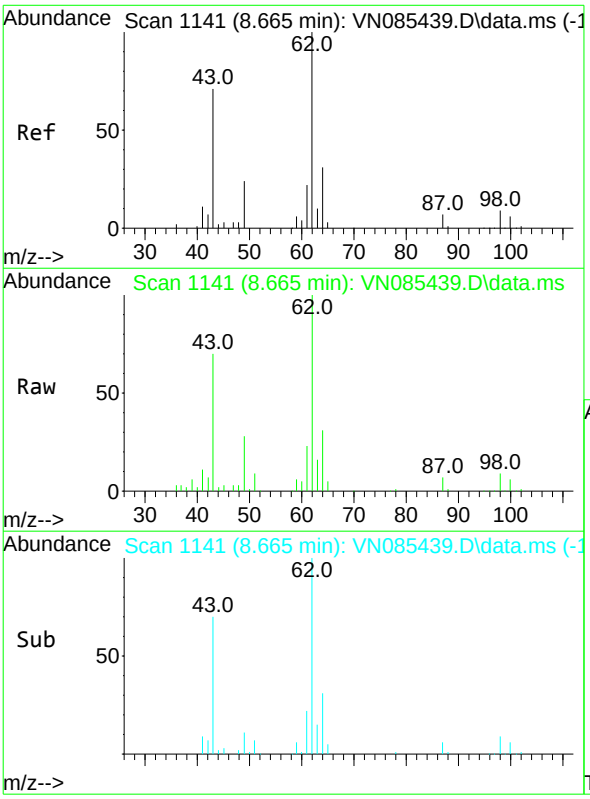
Ion	Ratio	Lower	Upper
41	100		
39	57.5	46.0	69.0
67	71.8	57.4	86.2
52	31.9	25.5	38.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
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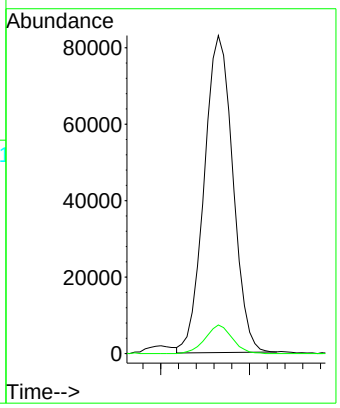
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

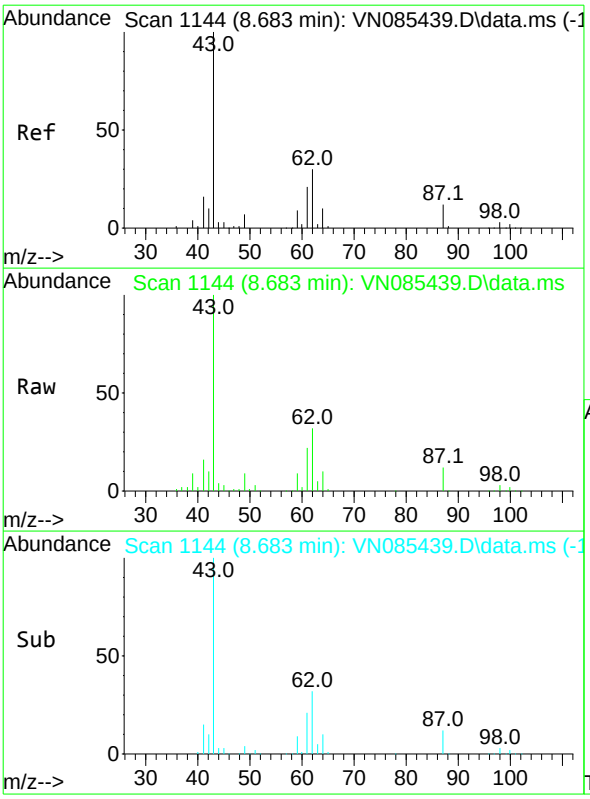


#42
1,2-Dichloroethane
Concen: 49.685 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 62 Resp: 186065

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.0

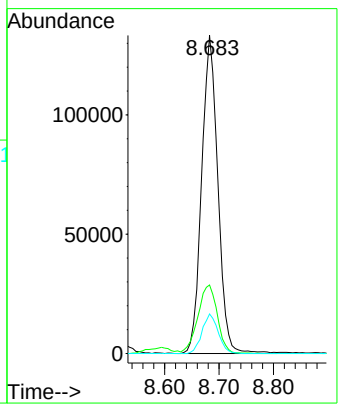




#43
Isopropyl Acetate
Concen: 51.611 ug/l
RT: 8.683 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 43 Resp: 276228

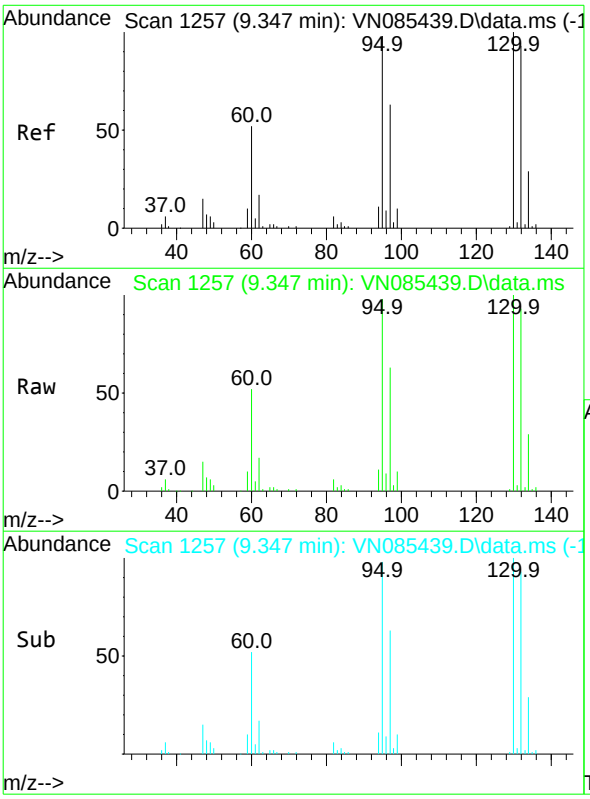
Ion	Ratio	Lower	Upper
43	100		
61	25.9	20.7	31.1
87	12.3	9.8	14.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

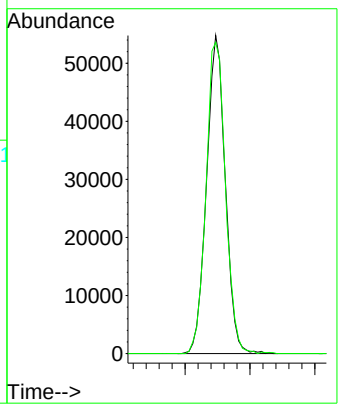
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

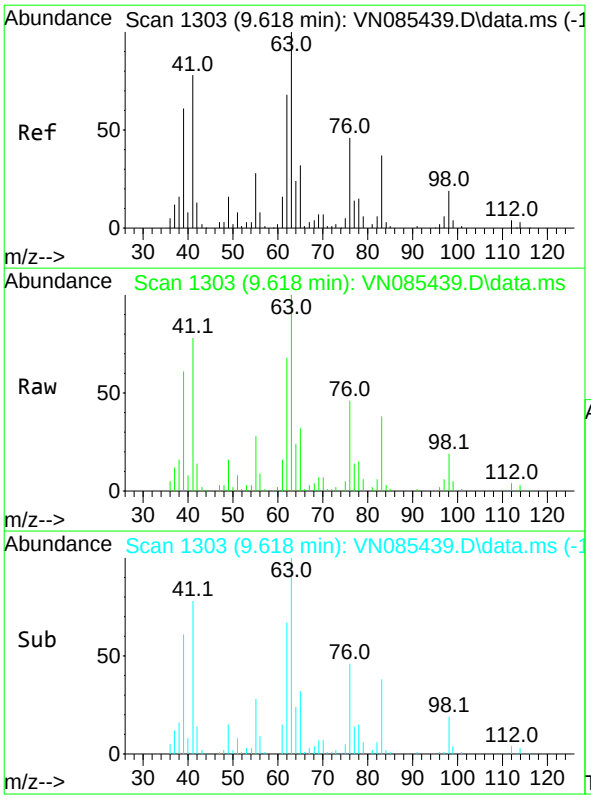


#44
Trichloroethene
Concen: 47.506 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion:130 Resp: 109953

Ion	Ratio	Lower	Upper
130	100		
95	97.9	0.0	195.8

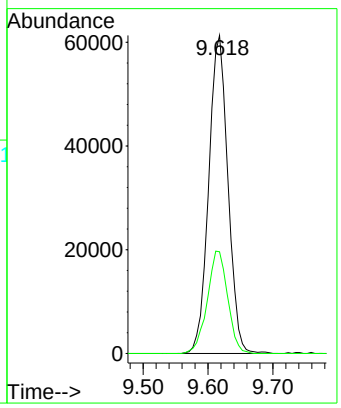




#45
1,2-Dichloropropane
Concen: 49.644 ug/l
RT: 9.618 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 63 Resp: 126084

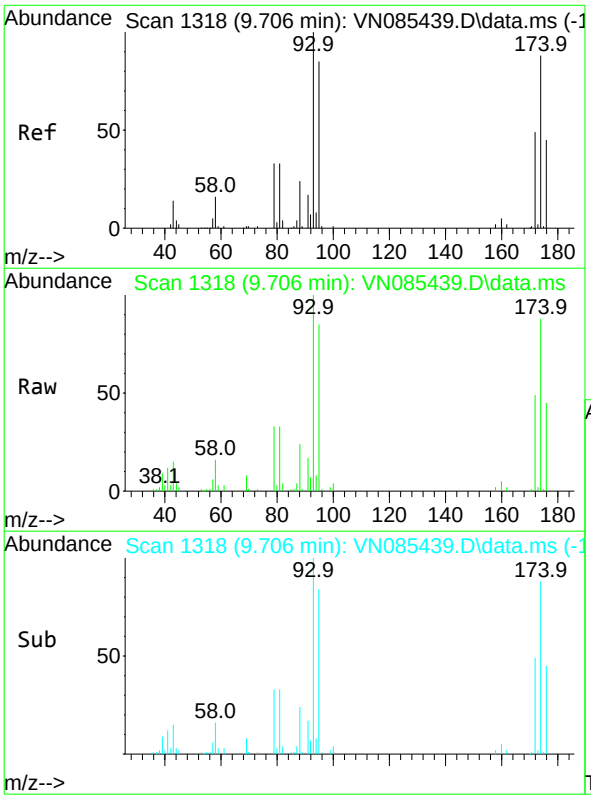
Ion	Ratio	Lower	Upper
63	100		
65	32.0	25.6	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

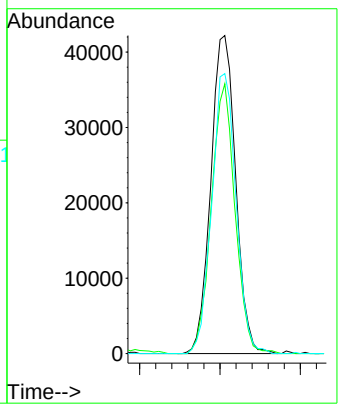
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

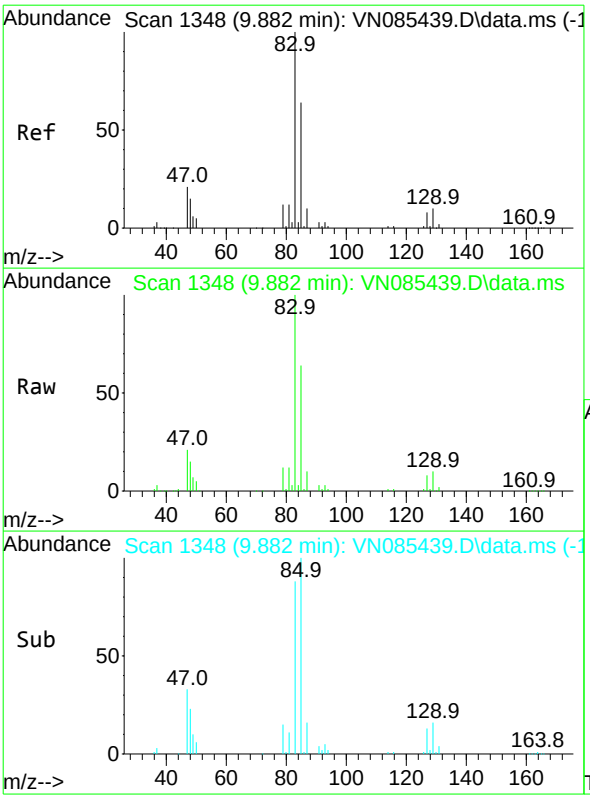


#46
Dibromomethane
Concen: 49.476 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 93 Resp: 90670

Ion	Ratio	Lower	Upper
93	100		
95	80.9	64.7	97.1
174	86.2	69.0	103.4

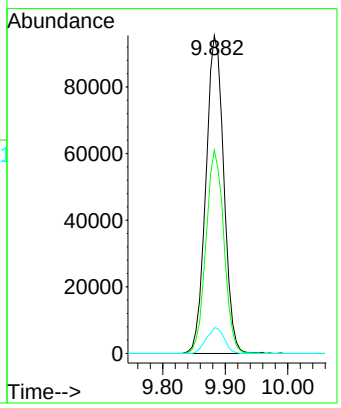




#47
Bromodichloromethane
Concen: 50.867 ug/l
RT: 9.882 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 83 Resp: 189915

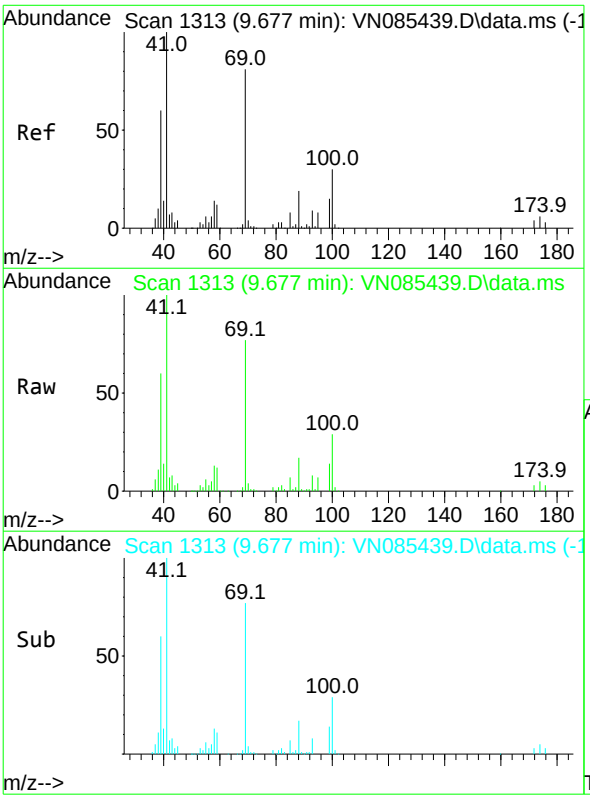
Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.2	76.8
127	8.1	6.5	9.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

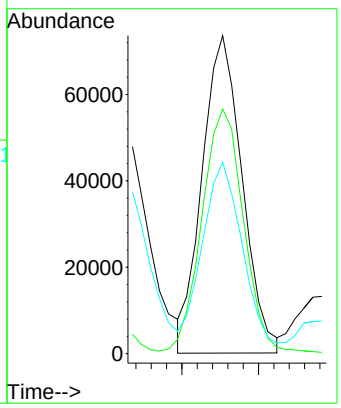
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

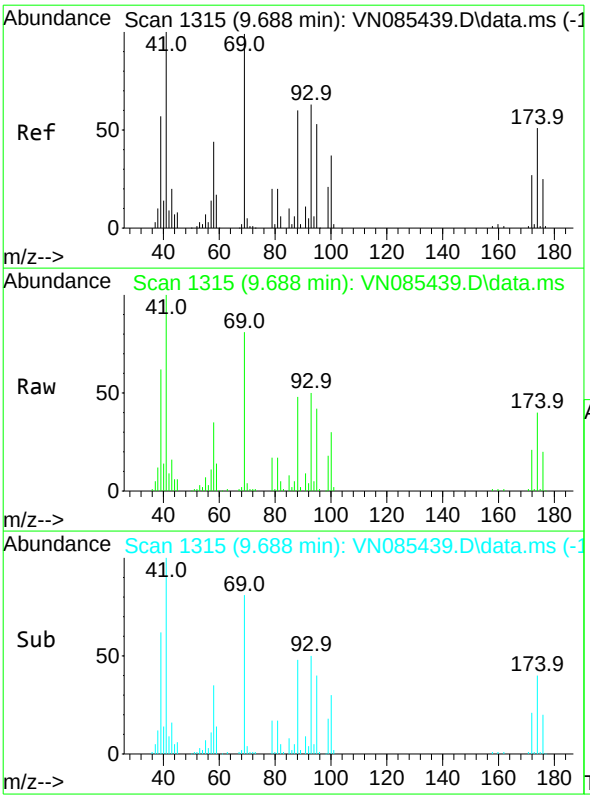


#48
Methyl methacrylate
Concen: 55.385 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 41 Resp: 133399

Ion	Ratio	Lower	Upper
41	100		
69	80.9	64.7	97.1
39	61.3	49.0	73.6





#49
1,4-Dioxane
Concen: 1061.334 ug/l
RT: 9.688 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

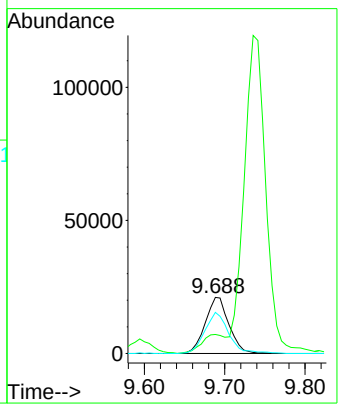
Tgt Ion: 88 Resp: 43048

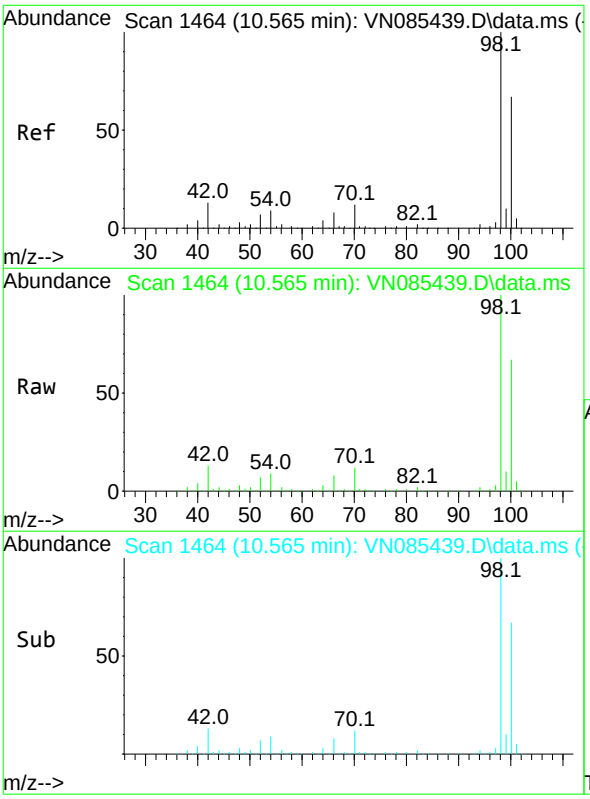
Ion	Ratio	Lower	Upper
88	100		
43	33.2	26.6	39.8
58	74.4	59.5	89.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

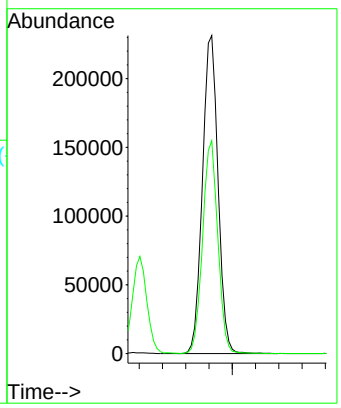


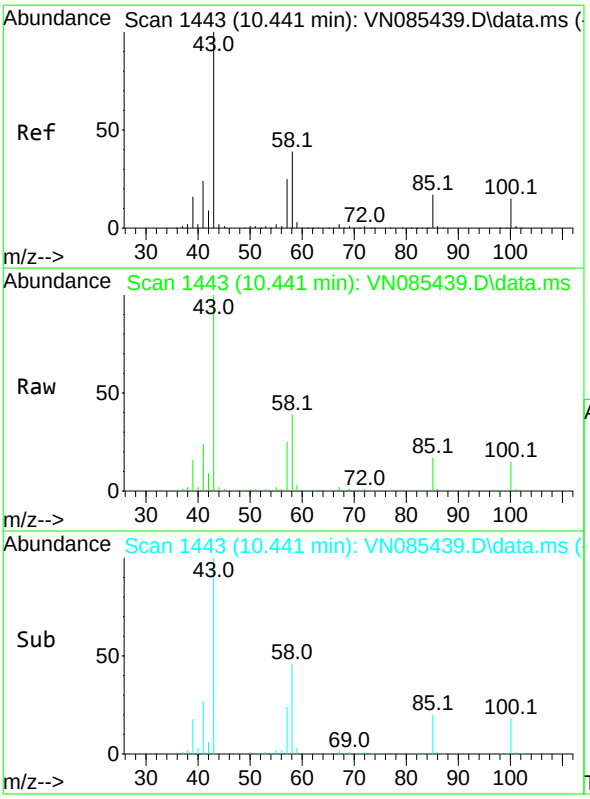


#50
Toluene-d8
Concen: 51.411 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 98 Resp: 430698

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.2	78.4

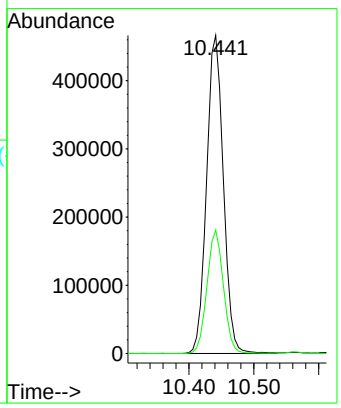




#51
4-Methyl-2-Pentanone
Concen: 269.403 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 43 Resp: 836707

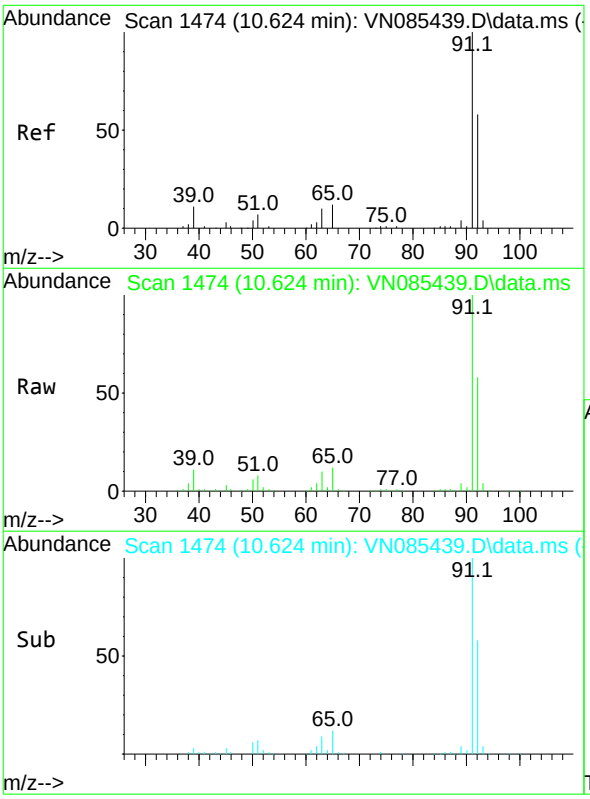
Ion	Ratio	Lower	Upper
43	100		
58	38.1	30.5	45.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
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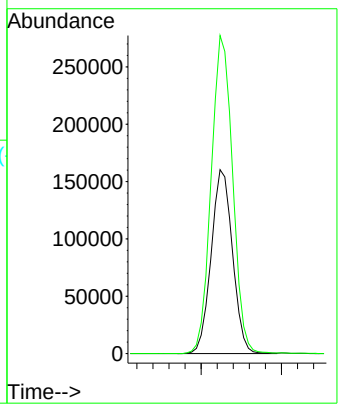
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

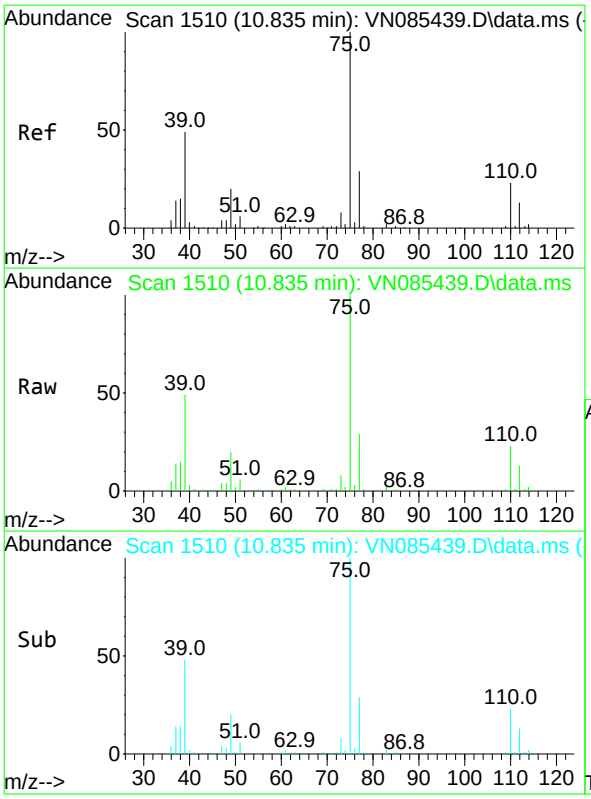


#52
Toluene
Concen: 51.341 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 92 Resp: 295792

Ion	Ratio	Lower	Upper
92	100		
91	174.0	139.2	208.8

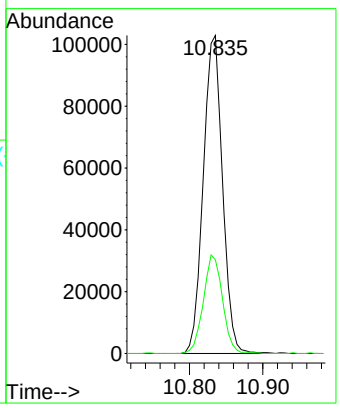




#53
t-1,3-Dichloropropene
Concen: 53.125 ug/l
RT: 10.835 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 75 Resp: 187439

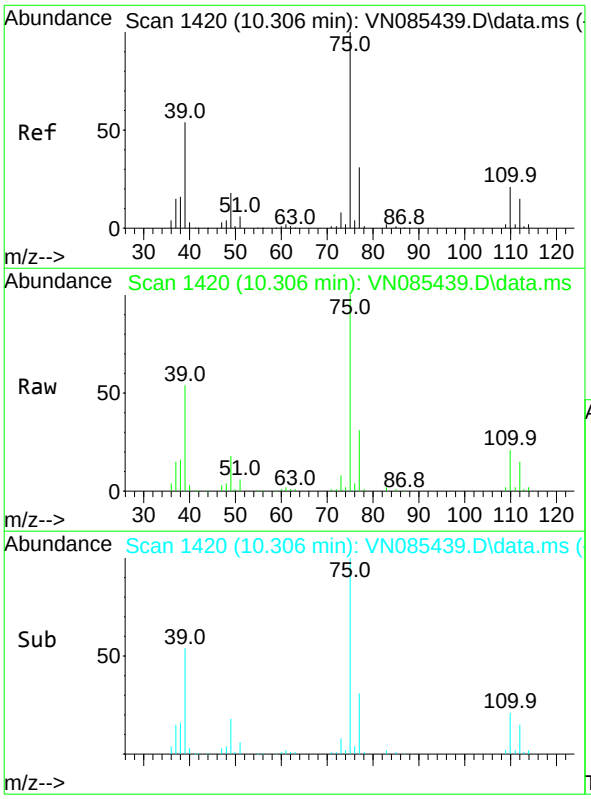
Ion	Ratio	Lower	Upper
75	100		
77	29.4	23.5	35.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

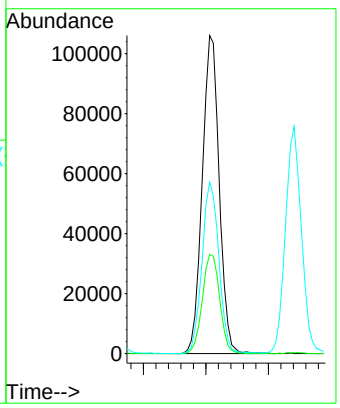
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

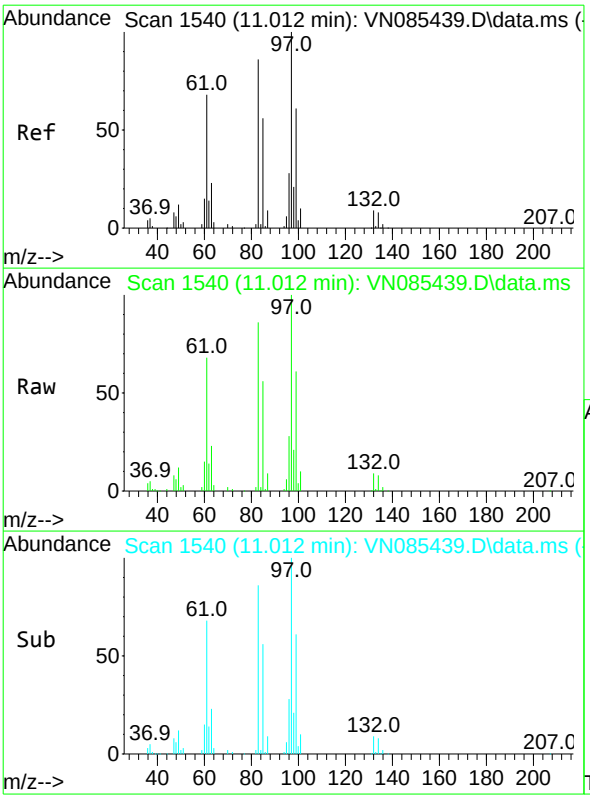


#54
cis-1,3-Dichloropropene
Concen: 53.006 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 75 Resp: 199771

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.0	37.4
39	53.9	43.1	64.7

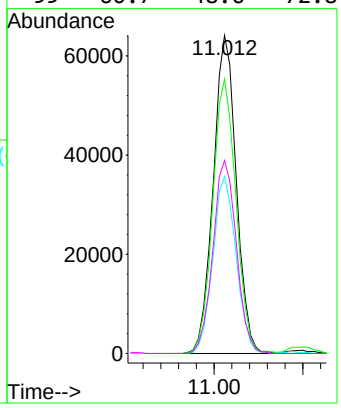




#55
1,1,2-Trichloroethane
Concen: 50.641 ug/l
RT: 11.012 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 97 Resp: 115462

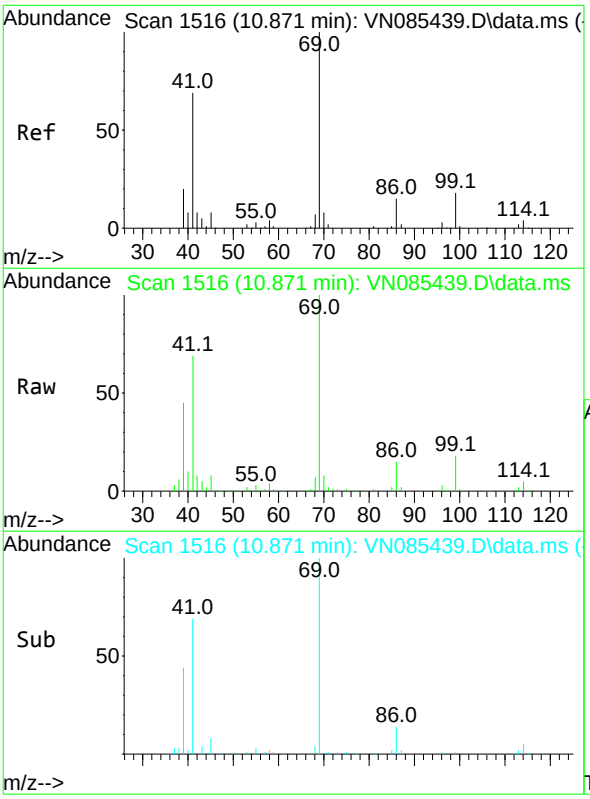
Ion	Ratio	Lower	Upper
97	100		
83	86.3	69.0	103.6
85	55.7	44.6	66.8
99	60.7	48.6	72.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

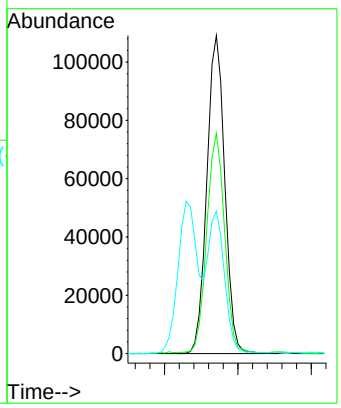
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

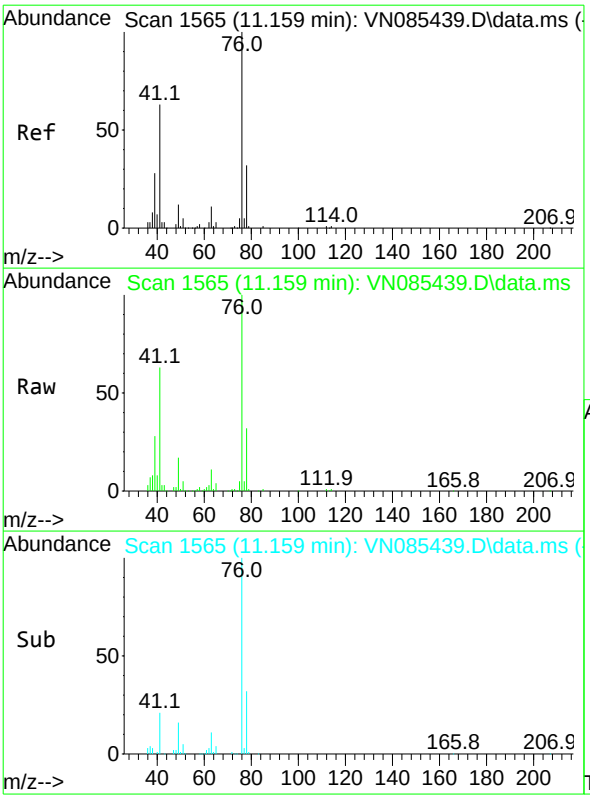


#56
Ethyl methacrylate
Concen: 48.182 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 69 Resp: 184775

Ion	Ratio	Lower	Upper
69	100		
41	68.3	54.6	82.0
39	40.5	32.4	48.6

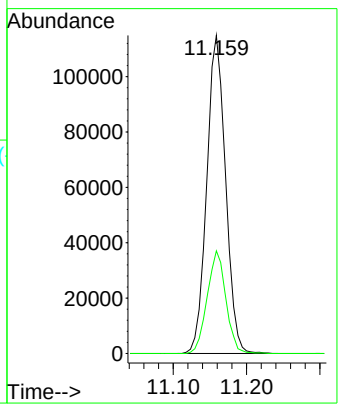




#57
1,3-Dichloropropane
Concen: 51.606 ug/l
RT: 11.159 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 76 Resp: 204590

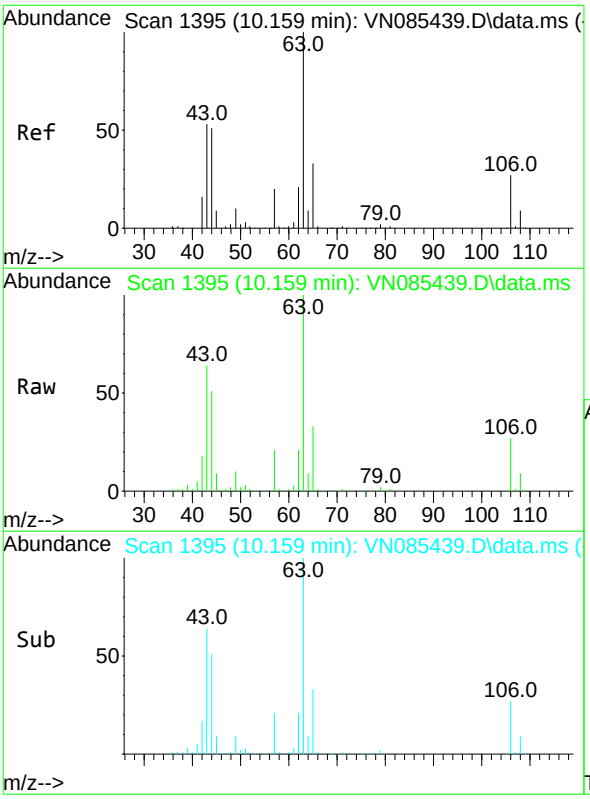
Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.6	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
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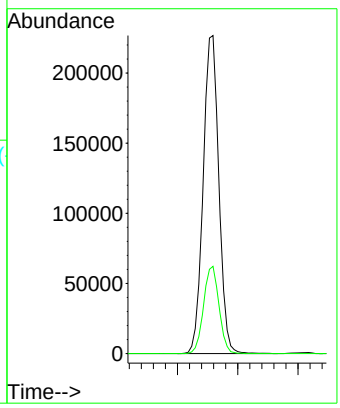
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

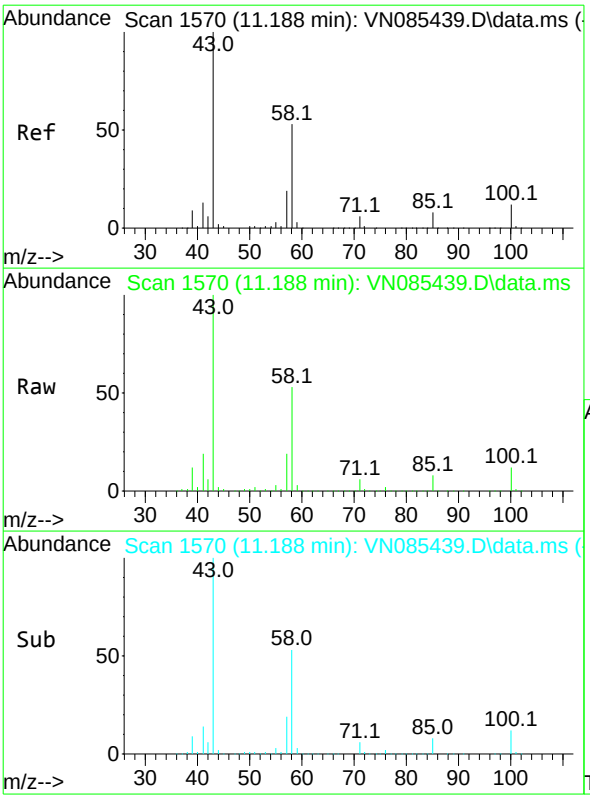


#58
2-Chloroethyl Vinyl ether
Concen: 283.088 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 63 Resp: 409594

Ion	Ratio	Lower	Upper
63	100		
106	27.0	21.6	32.4

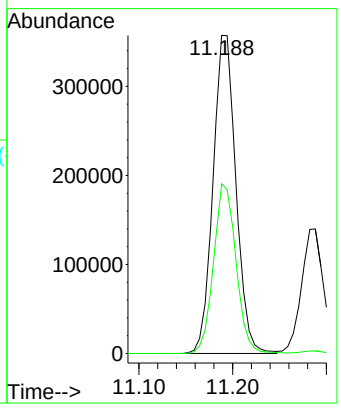




#59
2-Hexanone
Concen: 277.643 ug/l
RT: 11.188 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 43 Resp: 606740

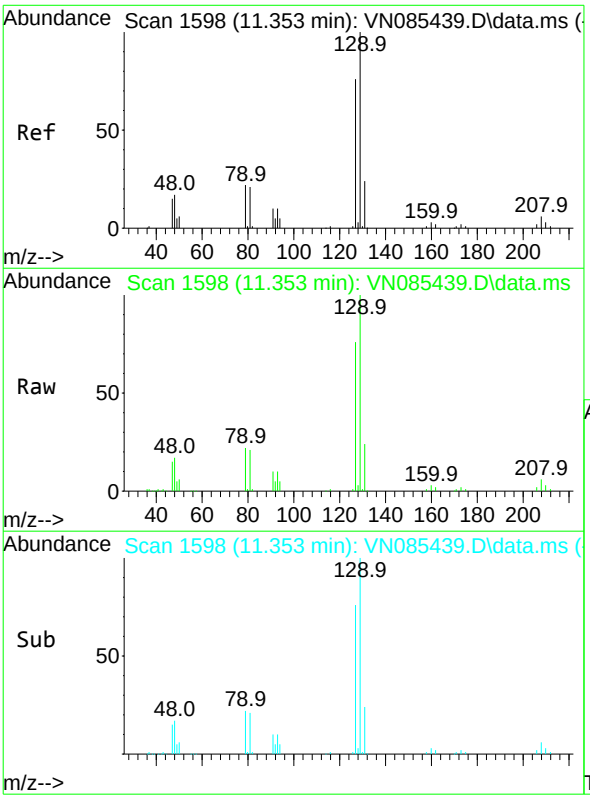
Ion	Ratio	Lower	Upper
43	100		
58	52.4	26.2	78.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
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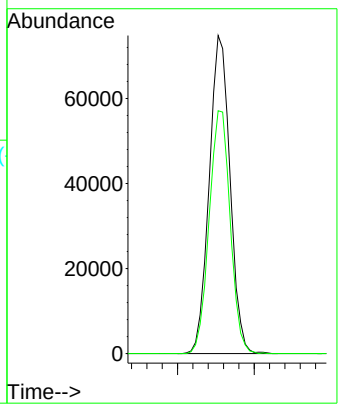
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

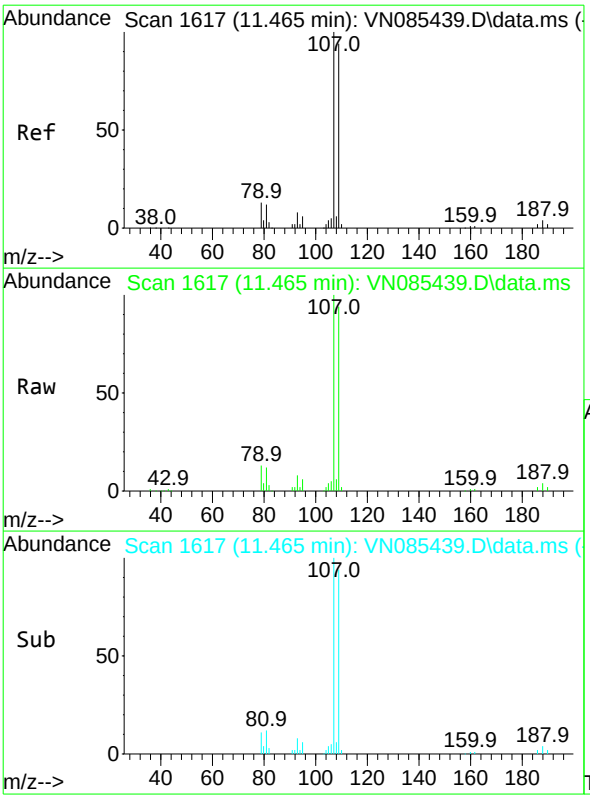


#60
Dibromochloromethane
Concen: 51.116 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion:129 Resp: 140704

Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.6	115.8





#61
1,2-Dibromoethane
Concen: 50.028 ug/l
RT: 11.465 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

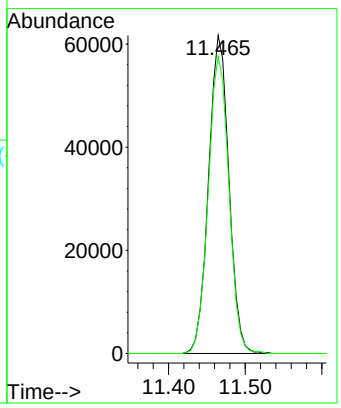
Tgt Ion:107 Resp: 113541

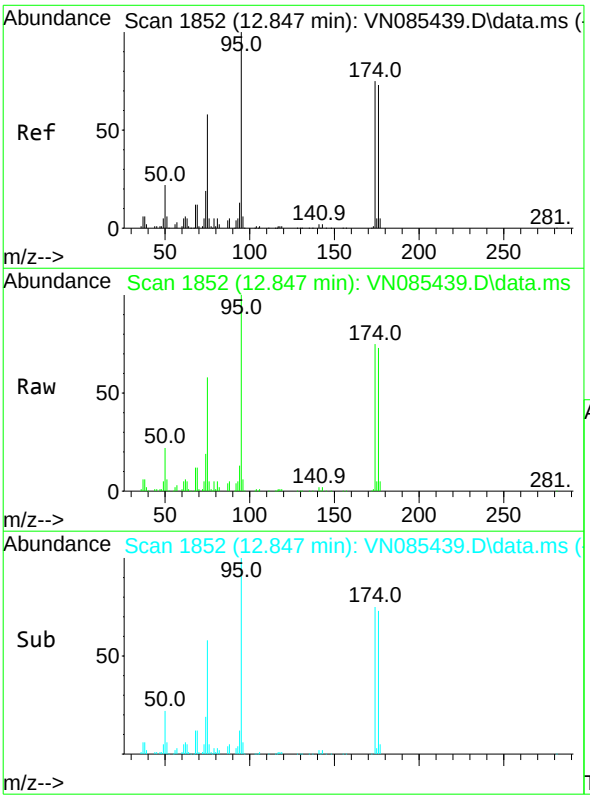
Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.9	113.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

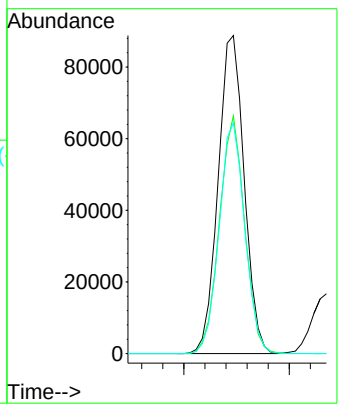


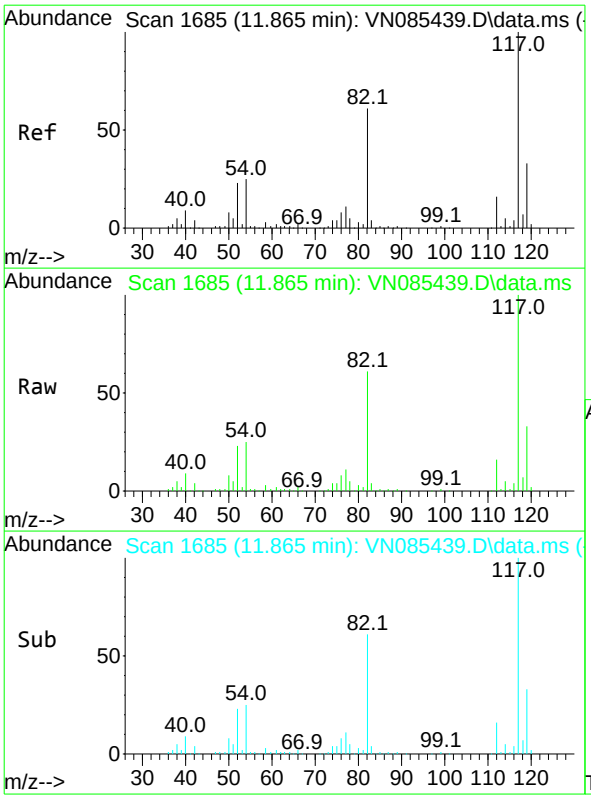


#62
4-Bromofluorobenzene
Concen: 53.239 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 95 Resp: 152568

Ion	Ratio	Lower	Upper
95	100		
174	72.5	0.0	145.0
176	71.2	0.0	142.4

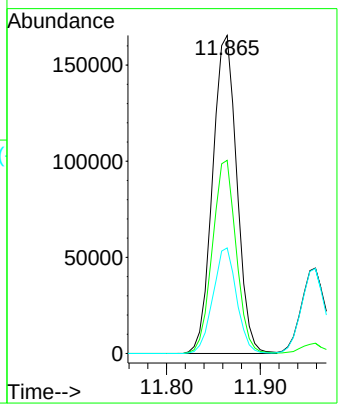




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion:117 Resp: 297366

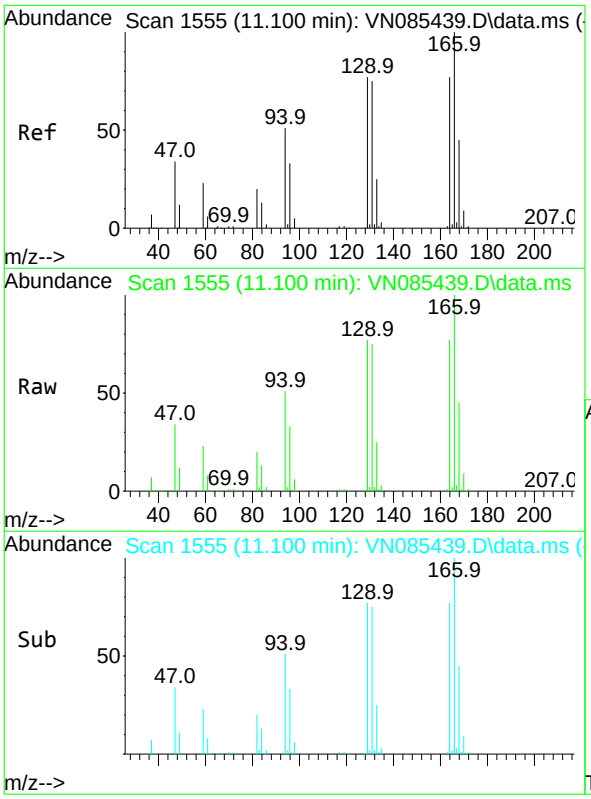
Ion	Ratio	Lower	Upper
117	100		
82	60.7	48.6	72.8
119	33.2	26.6	39.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
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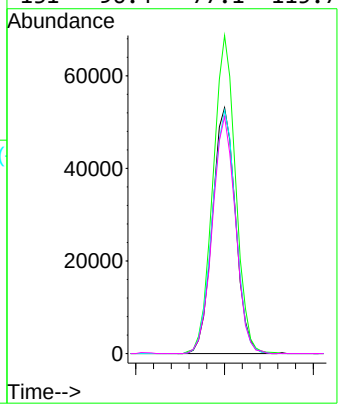
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

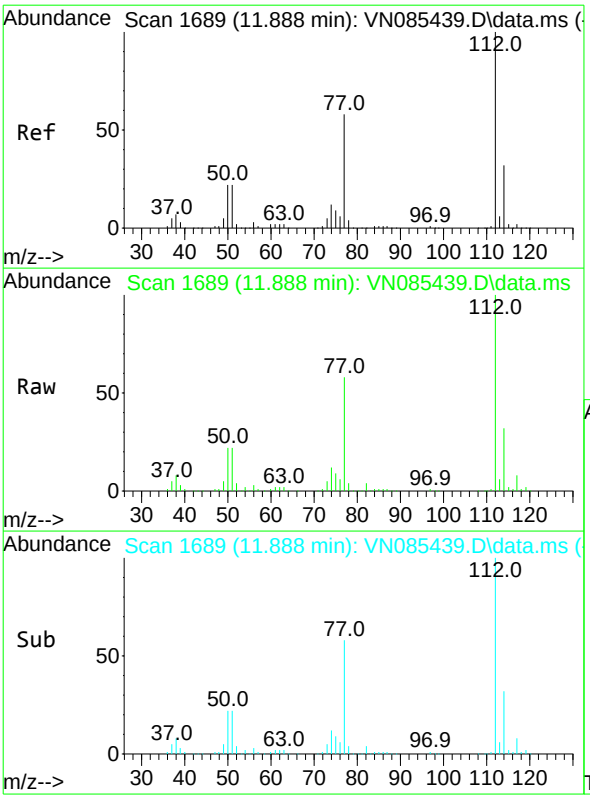


#64
Tetrachloroethene
Concen: 47.295 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion:164 Resp: 95879

Ion	Ratio	Lower	Upper
164	100		
166	129.3	103.4	155.2
129	99.0	79.2	118.8
131	96.4	77.1	115.7

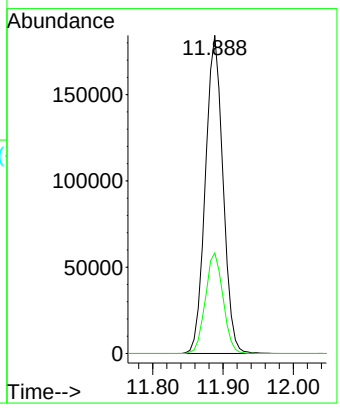




#65
Chlorobenzene
Concen: 49.121 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion:112 Resp: 319992

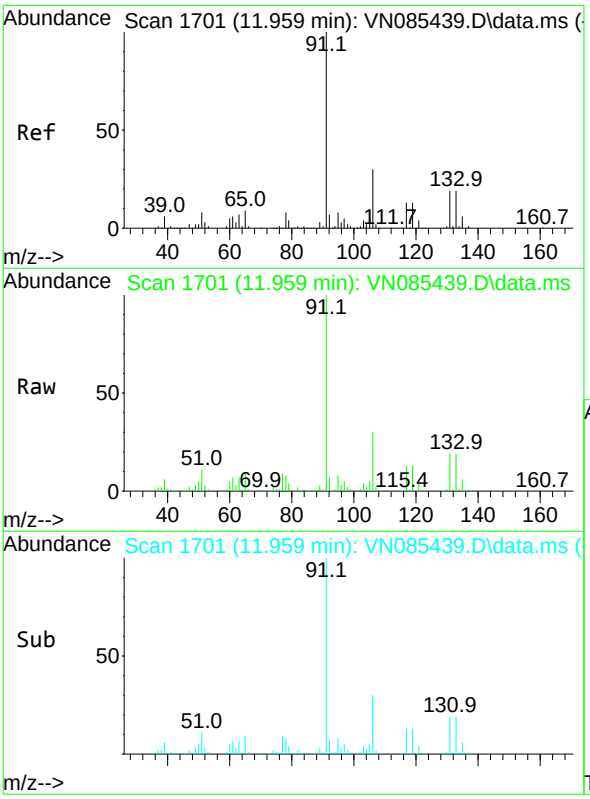
Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.3	37.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
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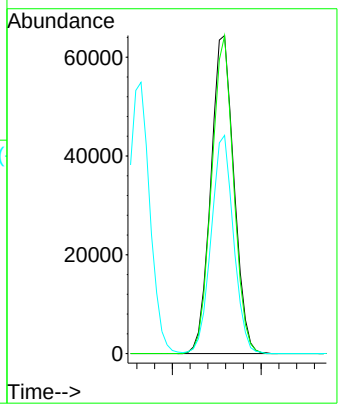
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

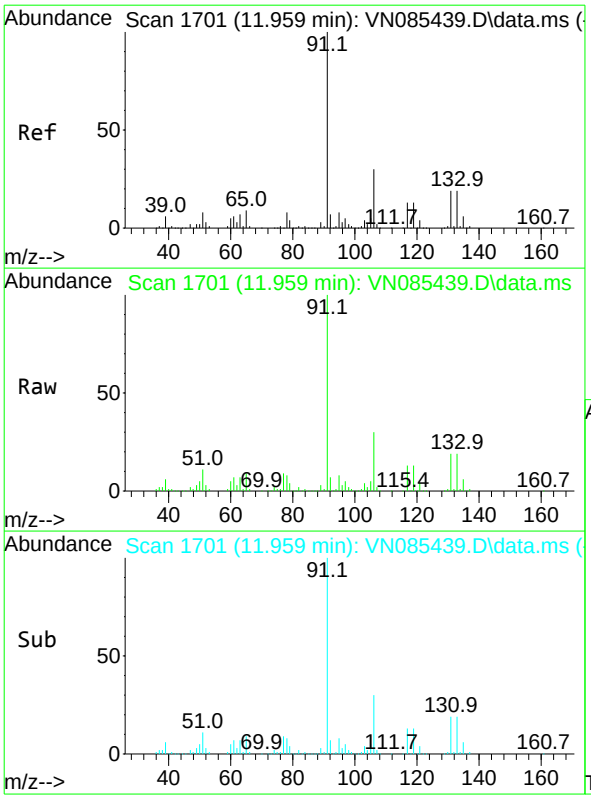


#66
1,1,1,2-Tetrachloroethane
Concen: 48.722 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion:131 Resp: 116488

Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.4	142.3
119	66.3	33.1	99.5





#67
Ethyl Benzene
Concen: 52.339 ug/l
RT: 11.959 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

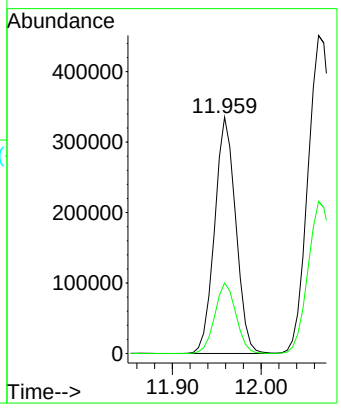
Tgt Ion: 91 Resp: 555322

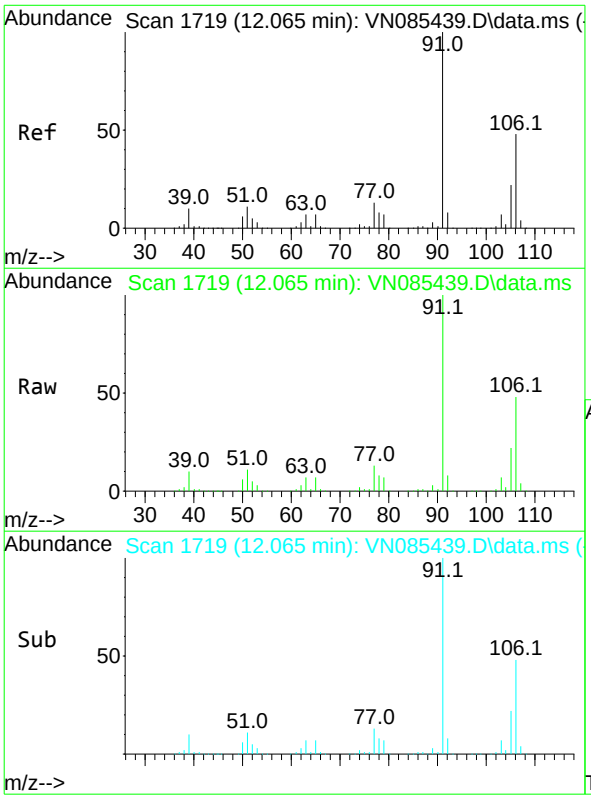
Ion	Ratio	Lower	Upper
91	100		
106	29.8	23.8	35.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

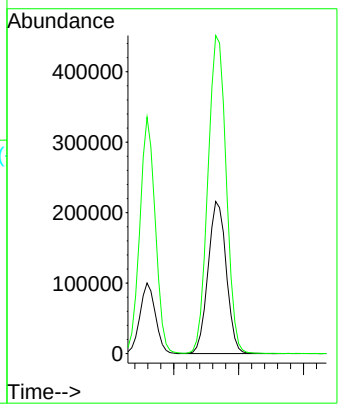


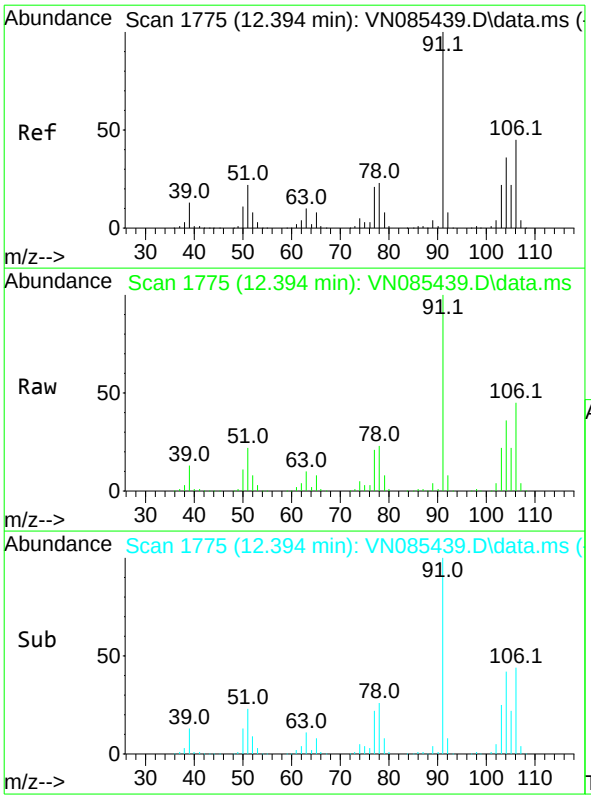


#68
m/p-Xylenes
Concen: 107.286 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion:106 Resp: 420702

Ion	Ratio	Lower	Upper
106	100		
91	209.6	167.7	251.5





#69
o-Xylene
Concen: 54.062 ug/l
RT: 12.394 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

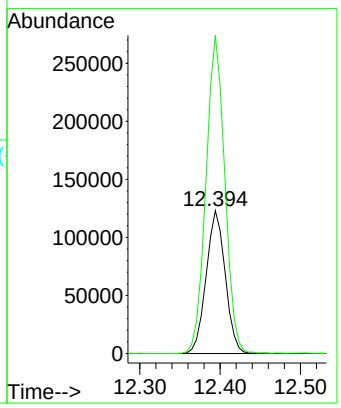
Tgt Ion:106 Resp: 202597

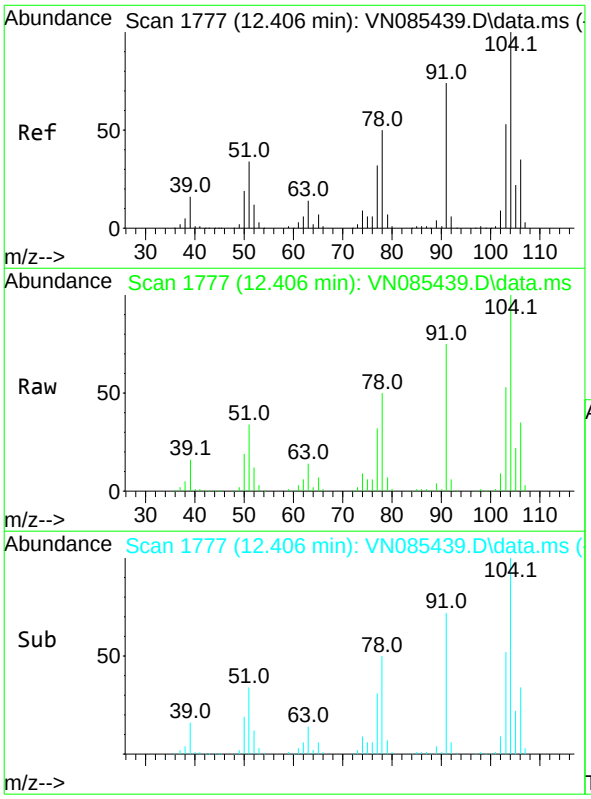
Ion	Ratio	Lower	Upper
106	100		
91	220.8	110.4	331.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

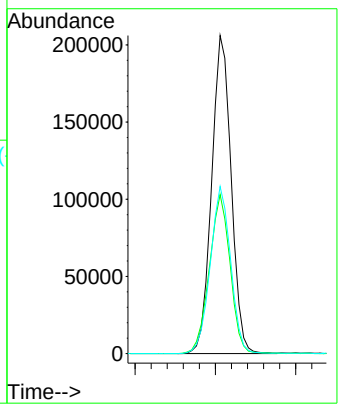


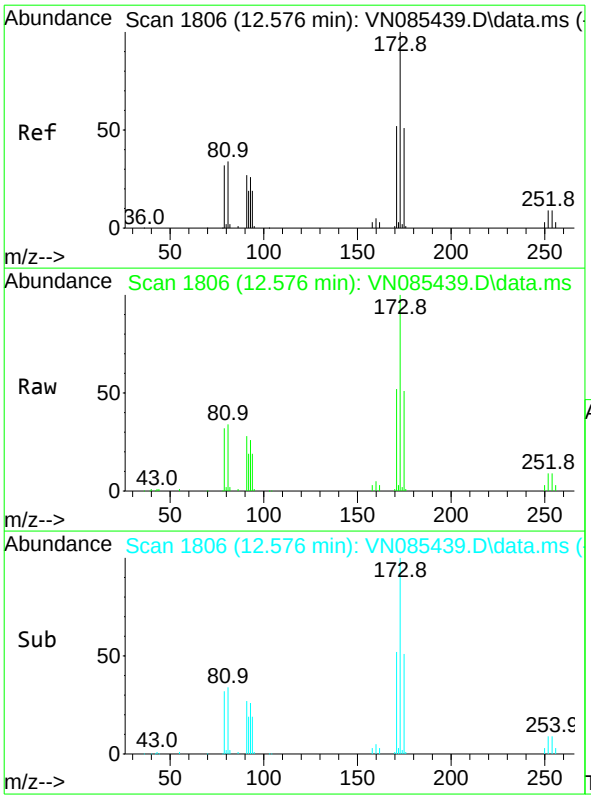


#70
Styrene
Concen: 56.227 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion:104 Resp: 348720

Ion	Ratio	Lower	Upper
104	100		
78	53.1	42.5	63.7
103	54.8	43.8	65.8





#71
Bromoform
Concen: 53.993 ug/l
RT: 12.576 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

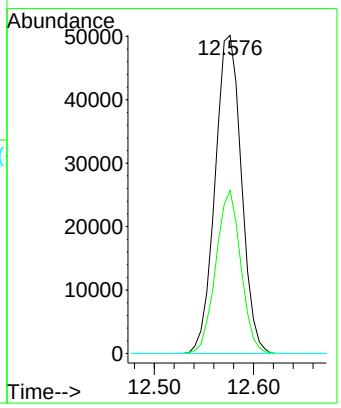
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

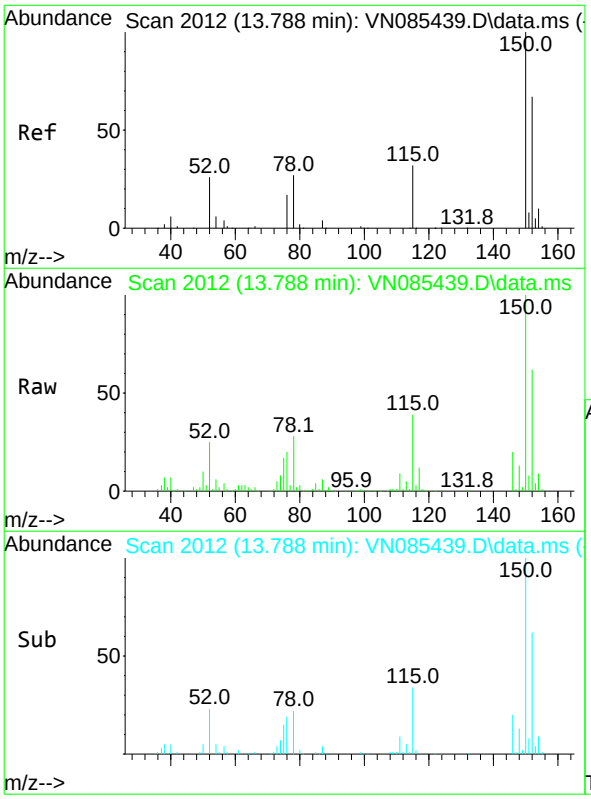
Tgt Ion:173 Resp: 92366

Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.4	73.2
254	0.0	0.0	0.0

Manual Integrations
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Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

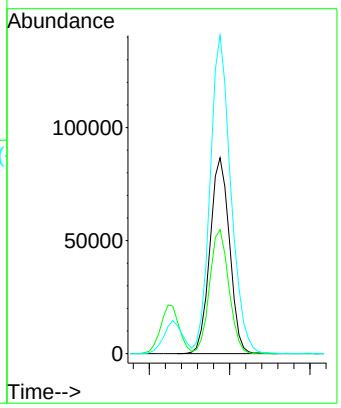


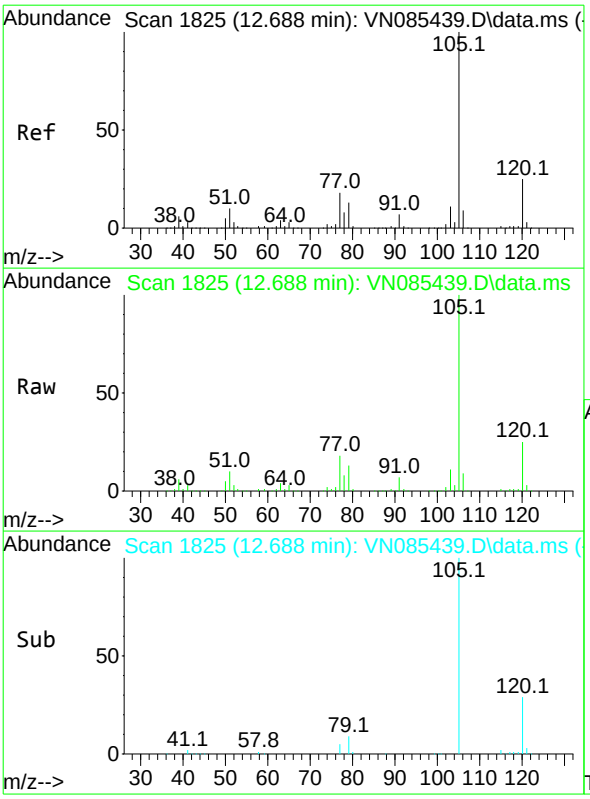


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion:152 Resp: 146624

Ion	Ratio	Lower	Upper
152	100		
115	62.2	31.1	93.3
150	171.8	0.0	343.6

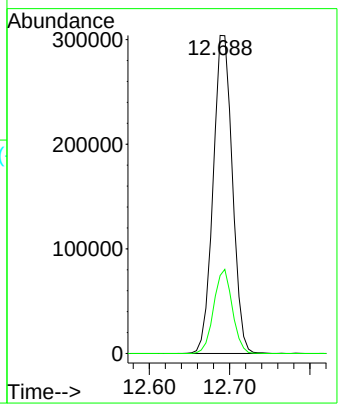




#73
Isopropylbenzene
Concen: 51.094 ug/l
RT: 12.688 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion:105 Resp: 505619

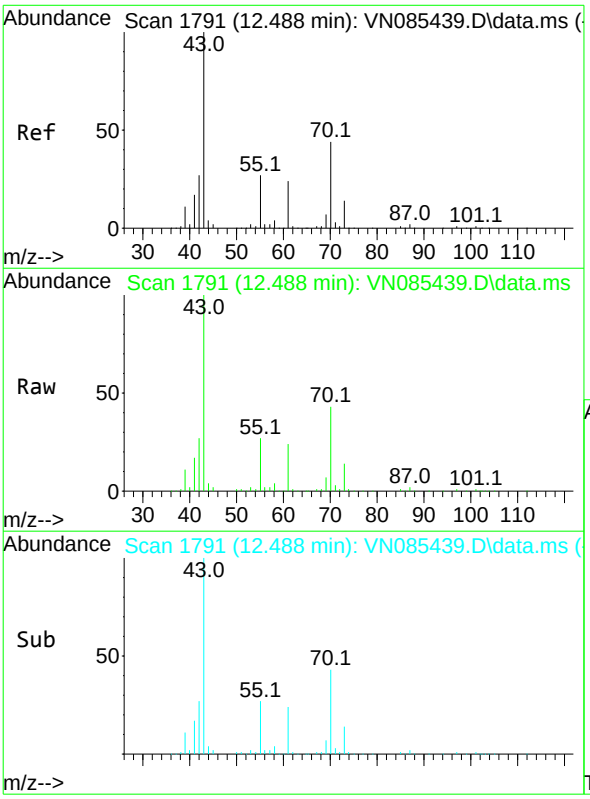
Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.8	38.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

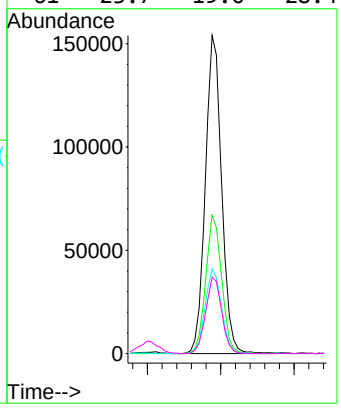
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

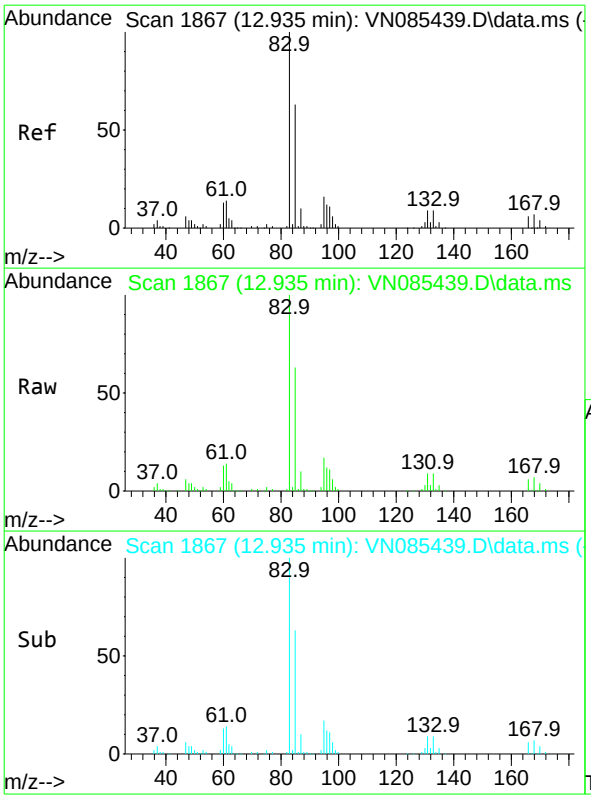


#74
N-amyl acetate
Concen: 53.478 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 43 Resp: 237870

Ion	Ratio	Lower	Upper
43	100		
70	42.5	34.0	51.0
55	26.8	21.4	32.2
61	23.7	19.0	28.4

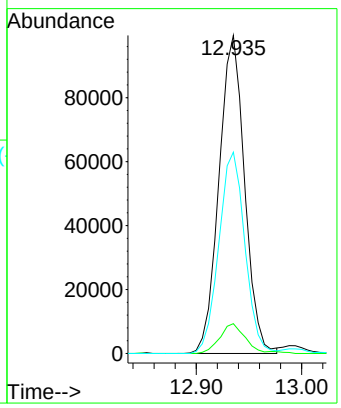




#75
1,1,2,2-Tetrachloroethane
Concen: 48.019 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 83 Resp: 167856

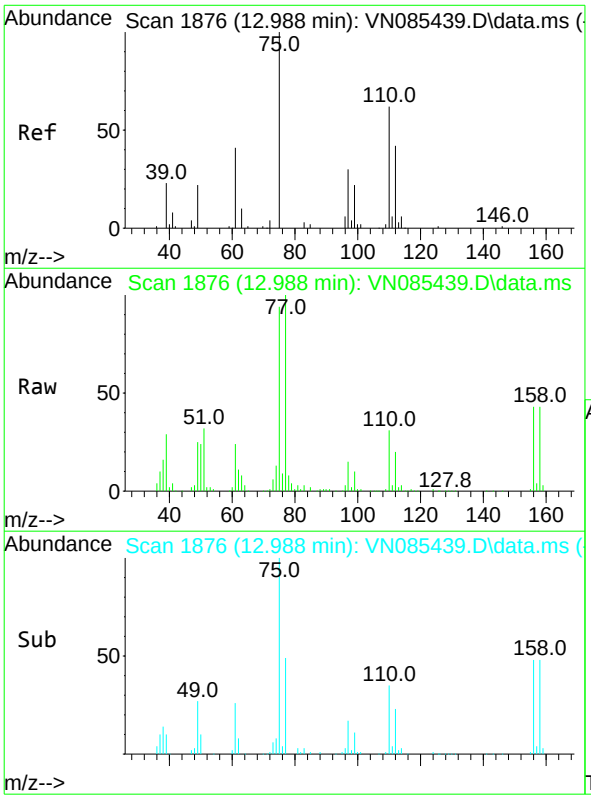
Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.8	14.4
85	64.4	32.2	96.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

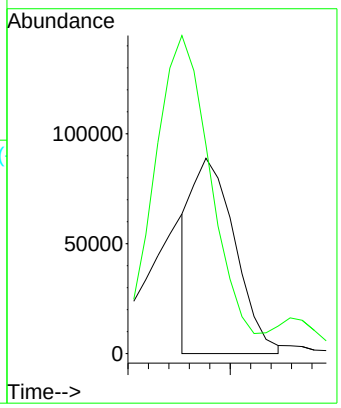
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

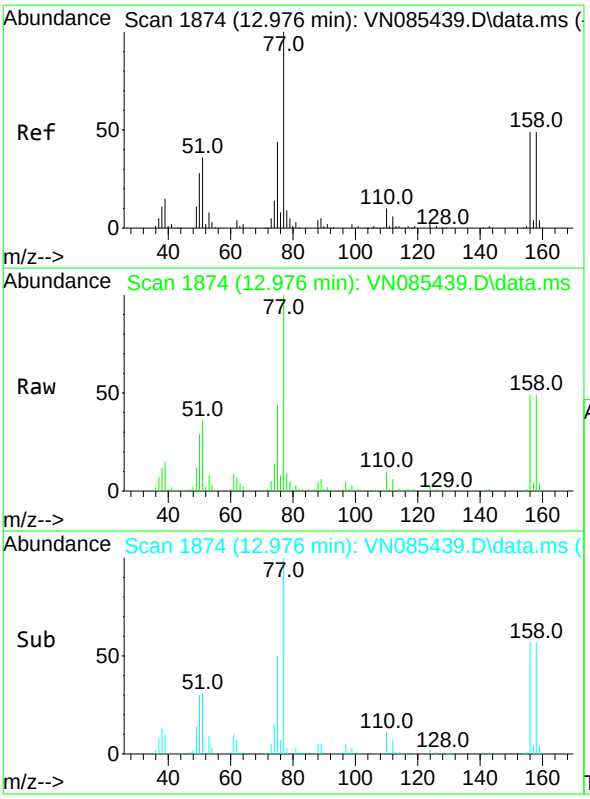


#76
1,2,3-Trichloropropane
Concen: 43.982 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 75 Resp: 130866

Ion	Ratio	Lower	Upper
75	100		
77	219.5	109.7	329.2

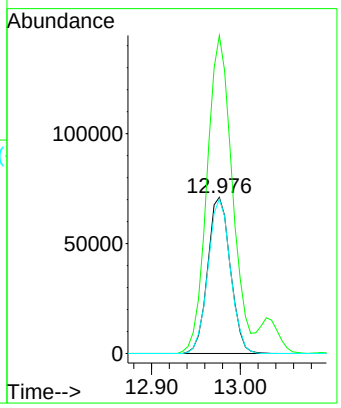




#77
Bromobenzene
Concen: 48.657 ug/l
RT: 12.976 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion:156 Resp: 125800

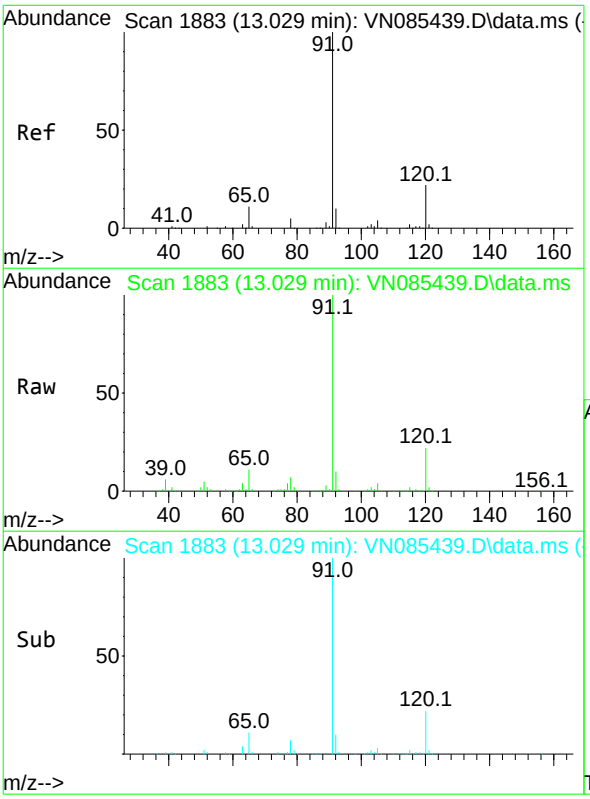
Ion	Ratio	Lower	Upper
156	100		
77	228.3	114.1	342.4
158	97.9	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

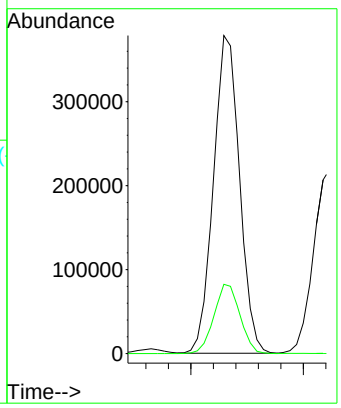
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

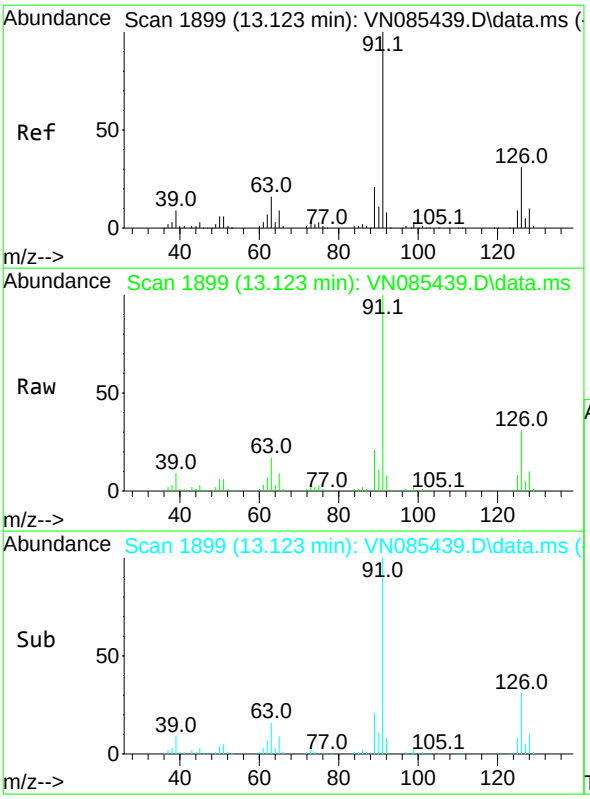


#78
n-propylbenzene
Concen: 51.986 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 91 Resp: 609022

Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.9	32.6





#79
2-Chlorotoluene
Concen: 49.985 ug/l
RT: 13.123 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

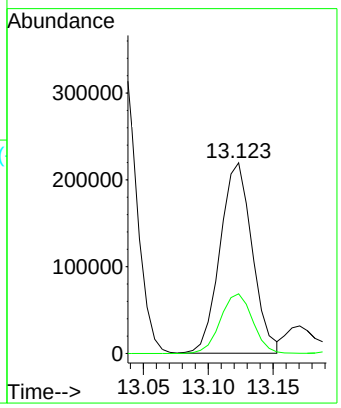
Tgt Ion: 91 Resp: 378981

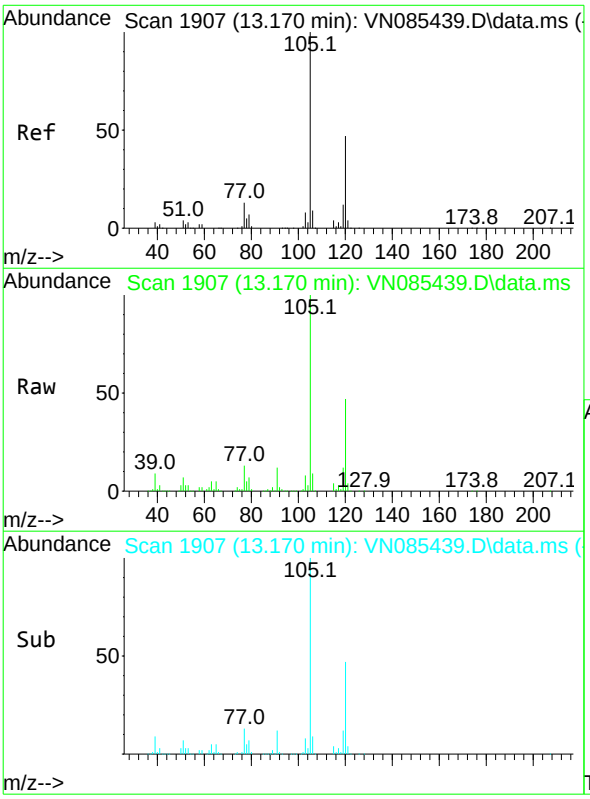
Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.7	47.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

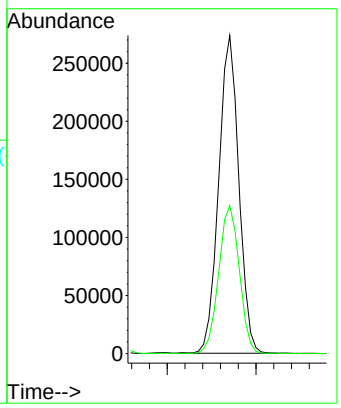


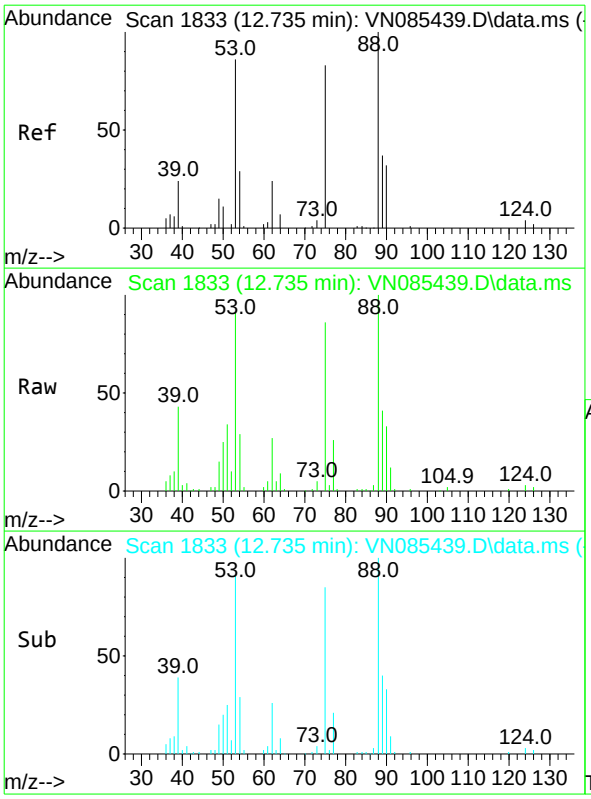


#80
1,3,5-Trimethylbenzene
Concen: 52.730 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion:105 Resp: 431021

Ion	Ratio	Lower	Upper
105	100		
120	47.8	23.9	71.7

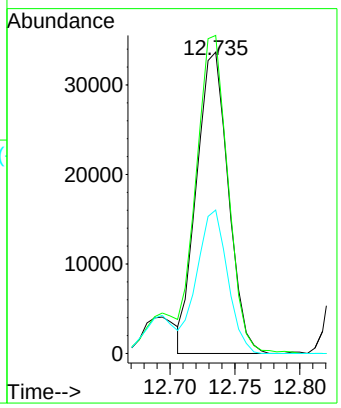




#81
trans-1,4-Dichloro-2-butene
Concen: 51.914 ug/l
RT: 12.735 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 75 Resp: 57184

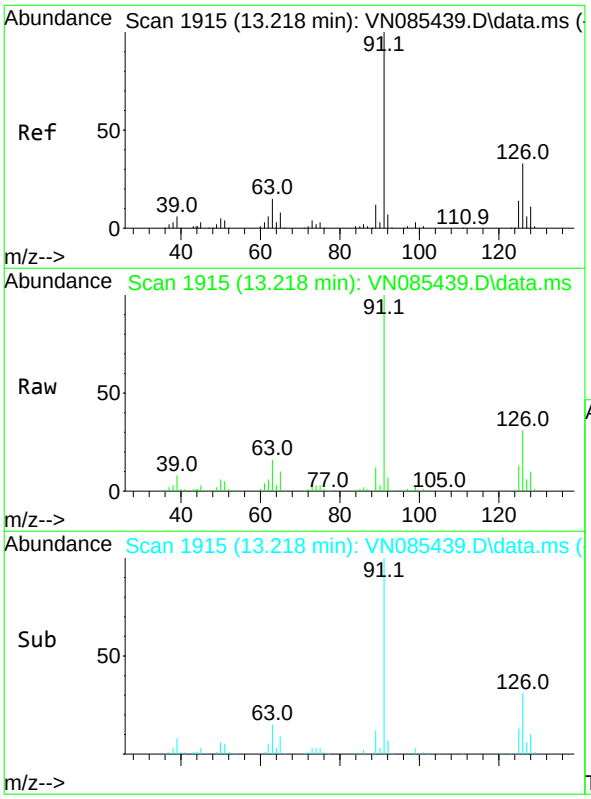
Ion	Ratio	Lower	Upper
75	100		
53	119.5	95.6	143.4
89	46.3	37.0	55.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

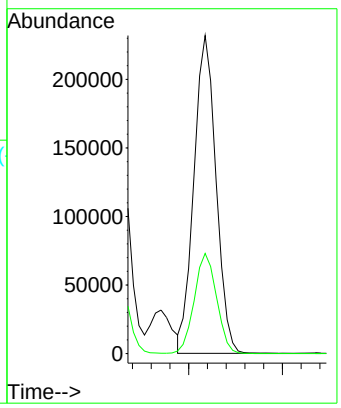
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

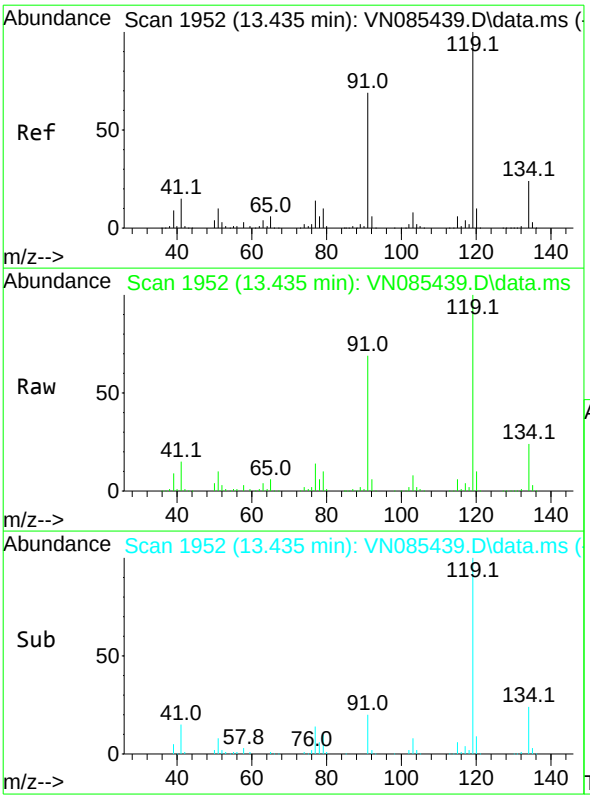


#82
4-Chlorotoluene
Concen: 50.273 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 91 Resp: 379524

Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.9	47.7

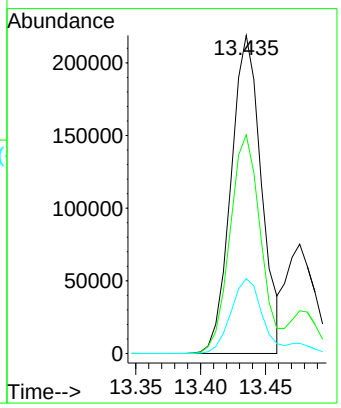




#83
tert-Butylbenzene
Concen: 52.090 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion:119 Resp: 357563

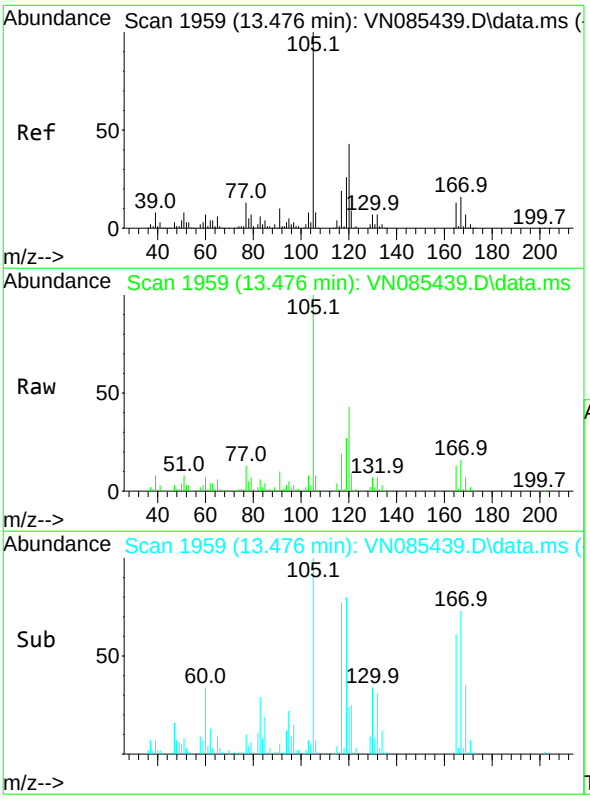
Ion	Ratio	Lower	Upper
119	100		
91	70.2	35.1	105.3
134	24.1	12.0	36.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

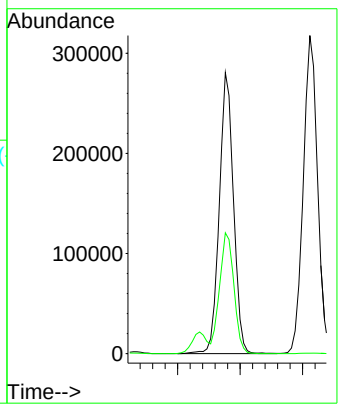
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

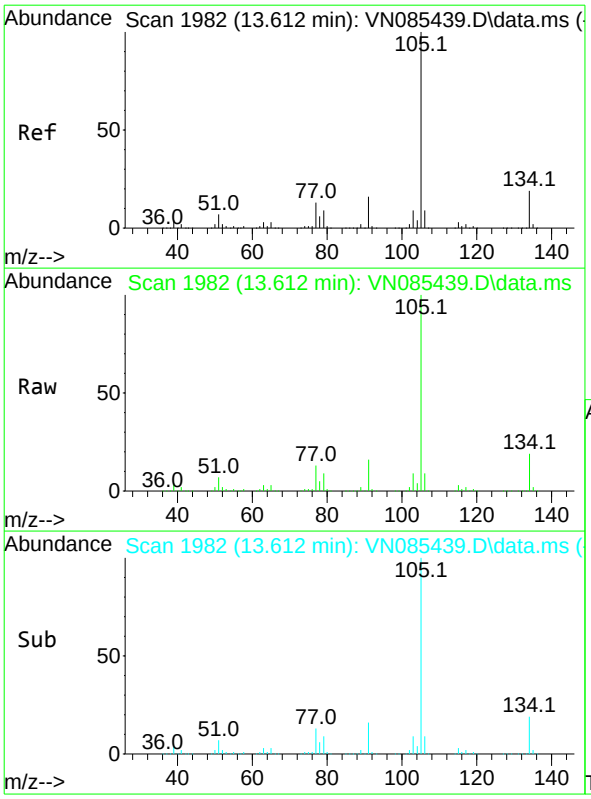


#84
1,2,4-Trimethylbenzene
Concen: 54.275 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion:105 Resp: 442175

Ion	Ratio	Lower	Upper
105	100		
120	43.3	21.6	65.0

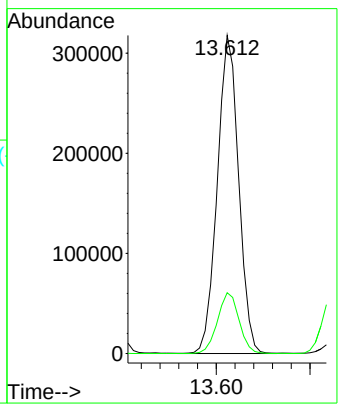




#85
sec-Butylbenzene
Concen: 52.719 ug/l
RT: 13.612 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion:105 Resp: 501561

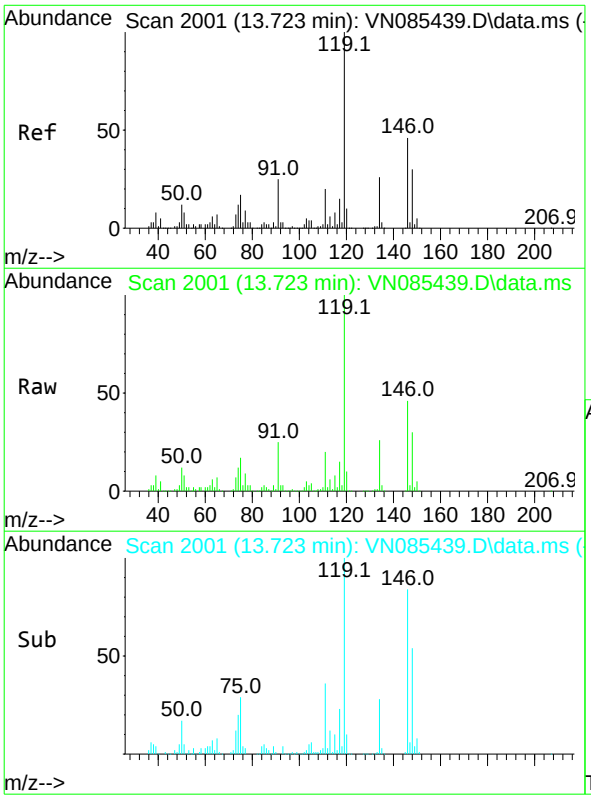
Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	28.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

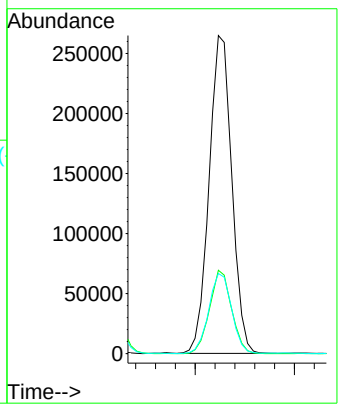
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

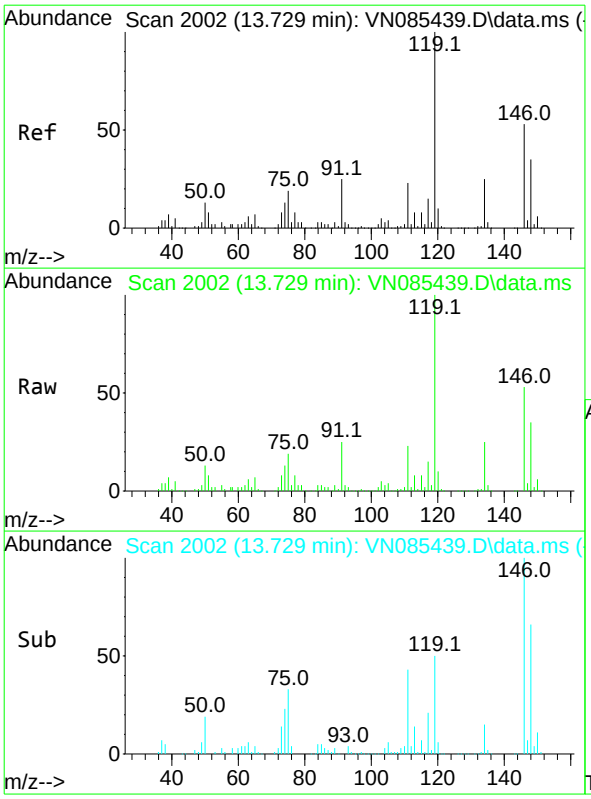


#86
p-Isopropyltoluene
Concen: 49.240 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion:119 Resp: 421052

Ion	Ratio	Lower	Upper
119	100		
134	25.3	12.7	38.0
91	25.4	12.7	38.1

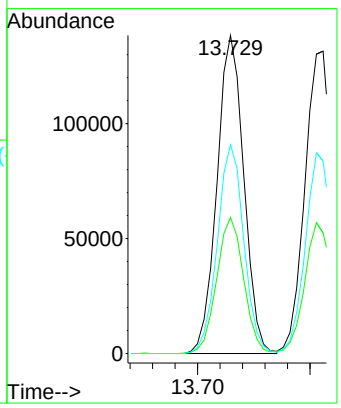




#87
1,3-Dichlorobenzene
Concen: 48.204 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion:146 Resp: 229518

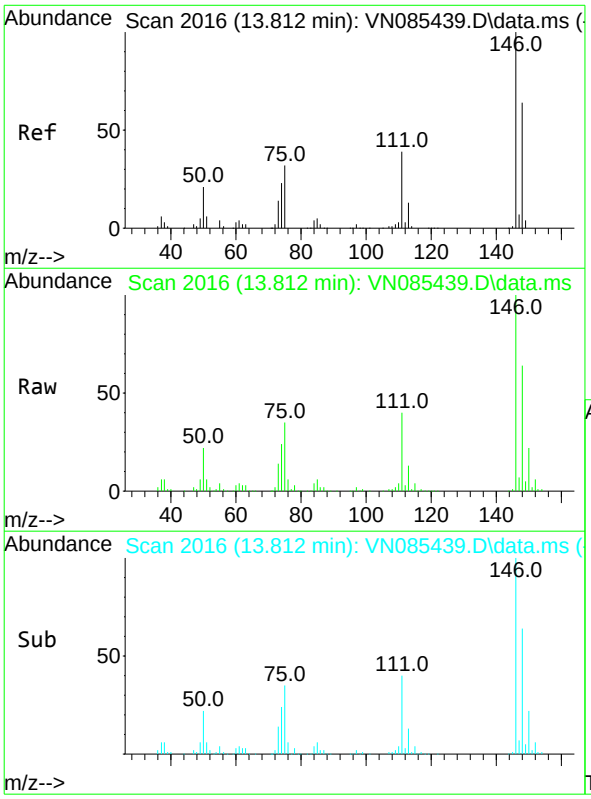
Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.4	64.3
148	64.6	32.3	96.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

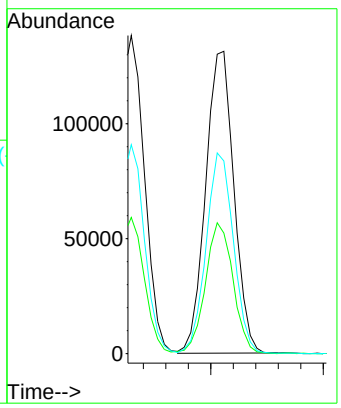
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

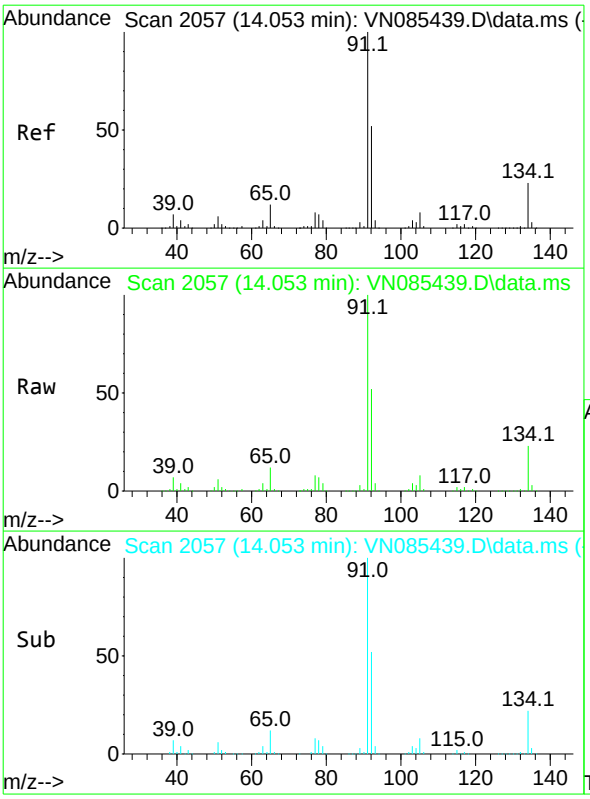


#88
1,4-Dichlorobenzene
Concen: 46.416 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion:146 Resp: 229084

Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.3	63.7
148	64.7	32.4	97.0

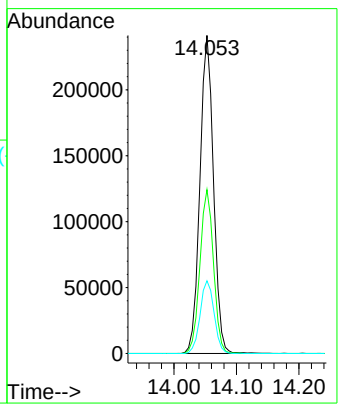




#89
n-Butylbenzene
Concen: 53.348 ug/l
RT: 14.053 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 91 Resp: 364111

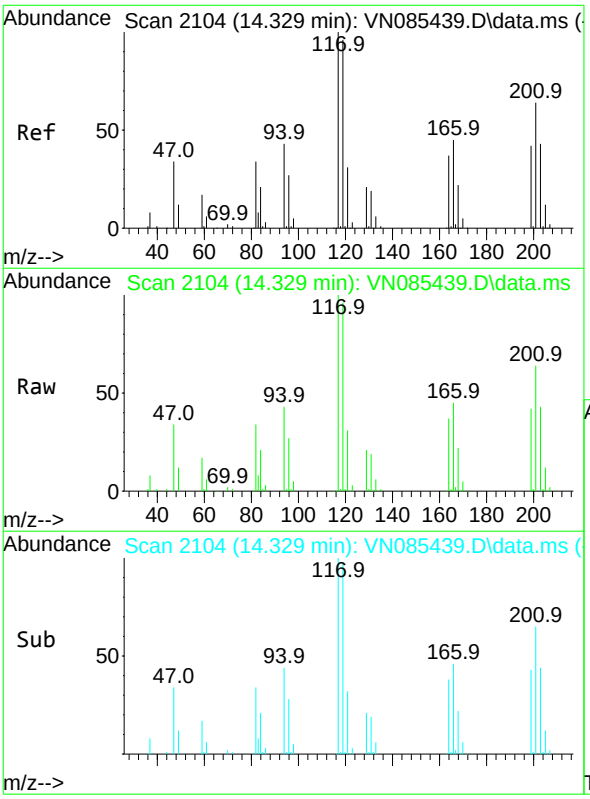
Ion	Ratio	Lower	Upper
91	100		
92	51.5	25.8	77.3
134	23.4	11.7	35.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

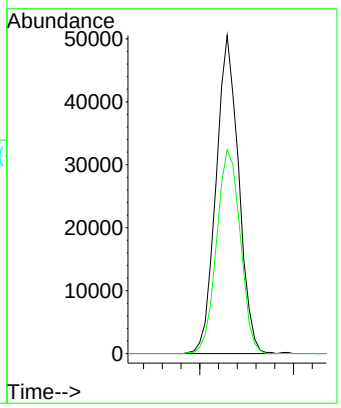
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

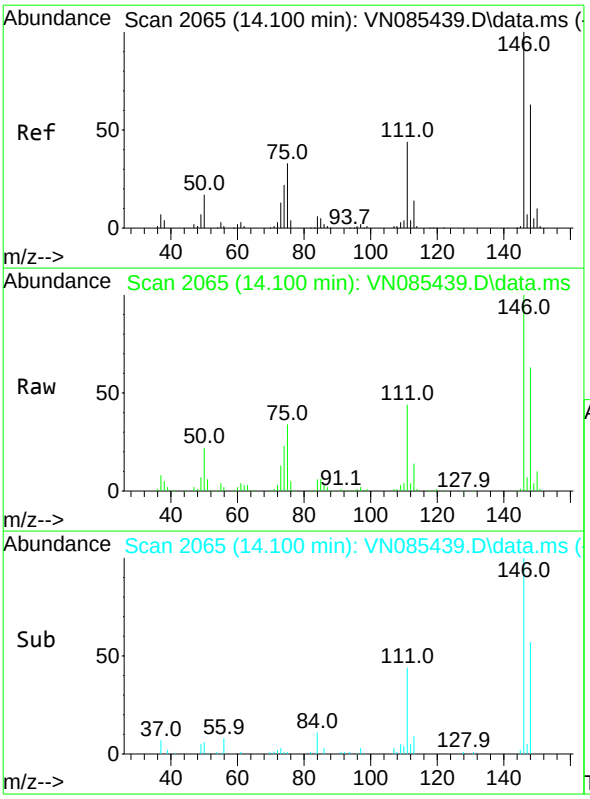


#90
Hexachloroethane
Concen: 46.712 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion:117 Resp: 84602

Ion	Ratio	Lower	Upper
117	100		
201	67.3	33.7	101.0

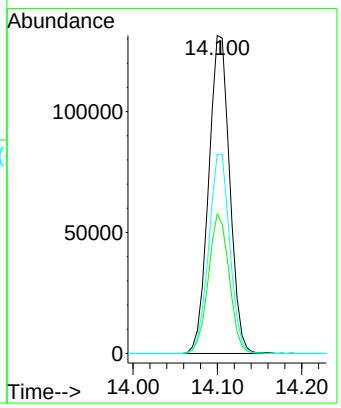




#91
1,2-Dichlorobenzene
Concen: 48.012 ug/l
RT: 14.100 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion:146 Resp: 228024

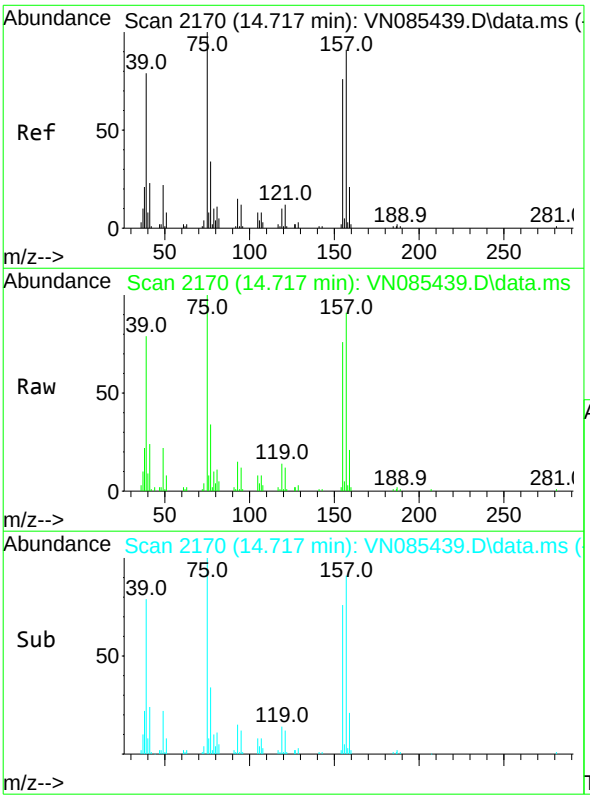
Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.7	65.1
148	62.8	31.4	94.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

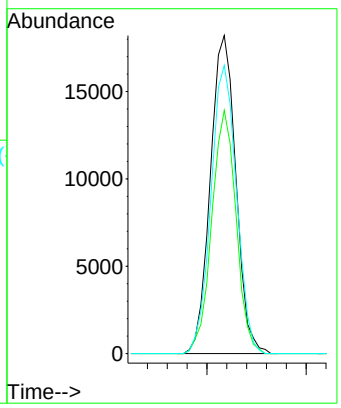
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

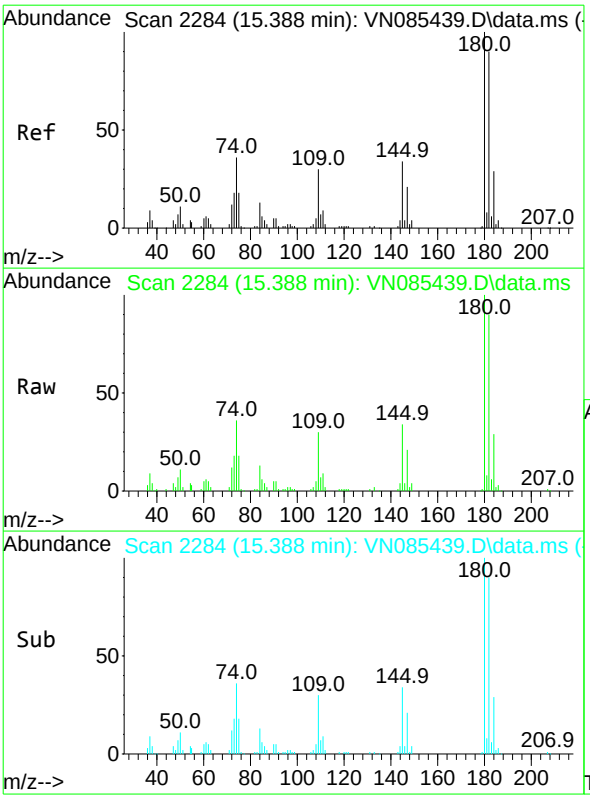


#92
1,2-Dibromo-3-Chloropropane
Concen: 50.971 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 75 Resp: 32536

Ion	Ratio	Lower	Upper
75	100		
155	72.8	36.4	109.2
157	90.7	45.4	136.1





#93
1,2,4-Trichlorobenzene
Concen: 51.857 ug/l
RT: 15.388 min Scan# 22
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

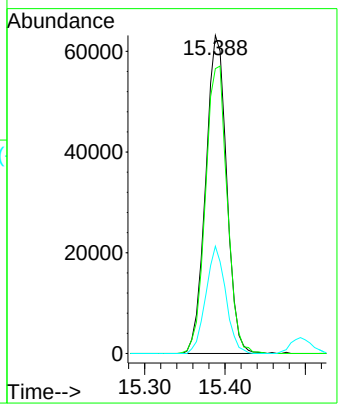
Tgt Ion:180 Resp: 114468

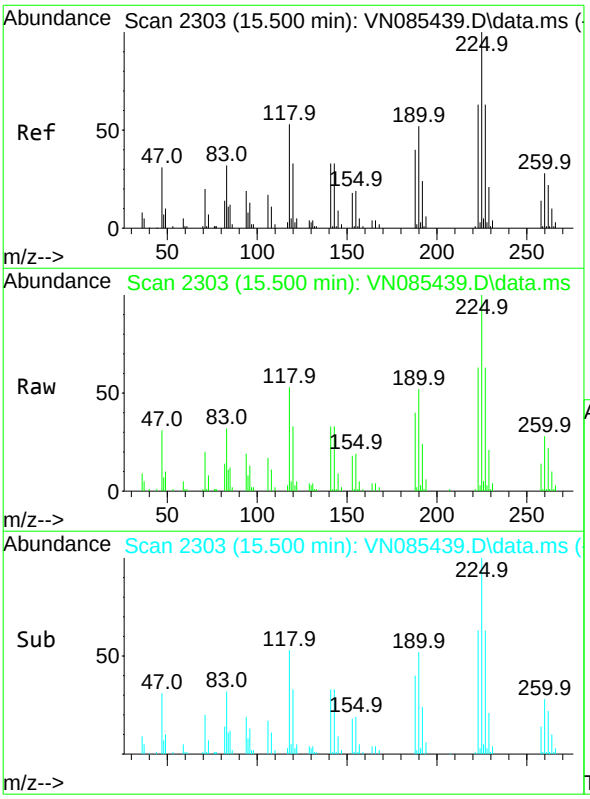
Ion	Ratio	Lower	Upper
180	100		
182	93.5	46.8	140.3
145	32.0	16.0	48.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

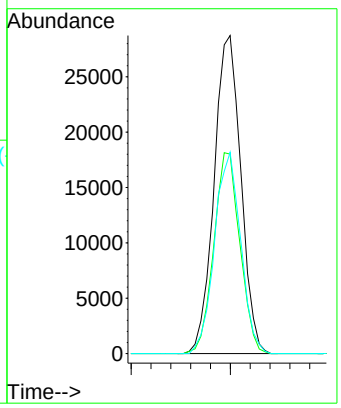


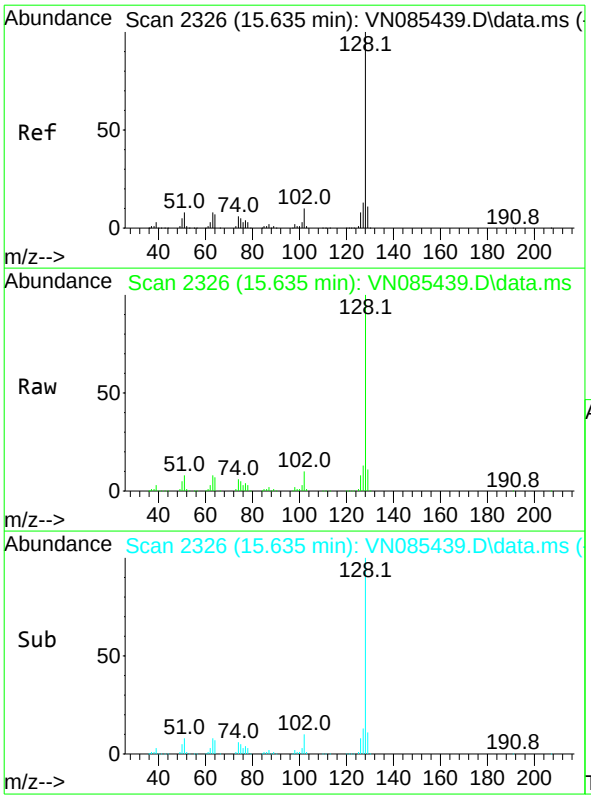


#94
Hexachlorobutadiene
Concen: 45.947 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion:225 Resp: 53846

Ion	Ratio	Lower	Upper
225	100		
223	61.4	30.7	92.1
227	61.7	30.9	92.5





#95
Naphthalene
Concen: 55.243 ug/l
RT: 15.635 min Scan# 23
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

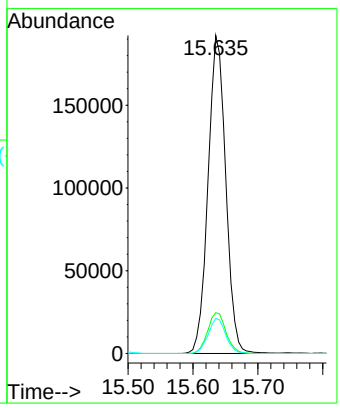
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

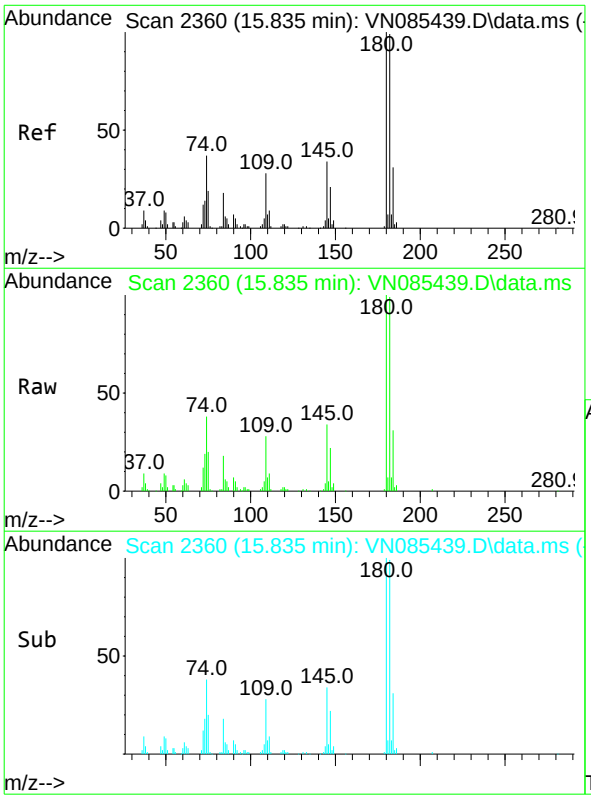
Tgt Ion:128 Resp: 363882

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	16.0
129	11.0	8.8	13.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

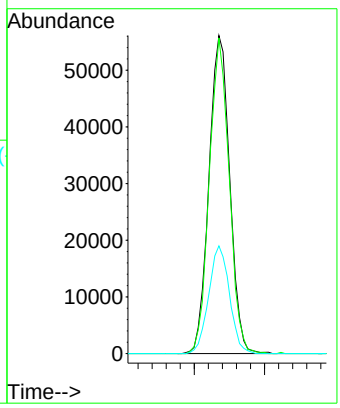




#96
1,2,3-Trichlorobenzene
Concen: 51.601 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion:180 Resp: 115251

Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.4	142.2
145	33.8	16.9	50.7



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085440.D
Acq On : 14 Jan 2025 15:43
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 15 01:43:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	200796	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	340593	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	296298	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	143526	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	60593	18.694	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	37.380%#		
35) Dibromofluoromethane	8.165	113	45655	19.322	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	38.640%#		
50) Toluene-d8	10.559	98	164391	19.581	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	39.160%#		
62) 4-Bromofluorobenzene	12.847	95	55798	19.430	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	38.860%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	54666	20.107	ug/l	98
3) Chloromethane	2.359	50	58426	19.848	ug/l	100
4) Vinyl Chloride	2.512	62	58403	19.739	ug/l	99
5) Bromomethane	2.954	94	36440	20.389	ug/l	94
6) Chloroethane	3.118	64	37594	20.041	ug/l	93
7) Trichlorofluoromethane	3.501	101	88121	20.526	ug/l	99
8) Diethyl Ether	3.965	74	29138	19.647	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	48933	20.237	ug/l	99
10) Methyl Iodide	4.589	142	56567	20.428	ug/l	93
11) Tert butyl alcohol	5.506	59	37984	102.342	ug/l	100
12) 1,1-Dichloroethene	4.342	96	44670	20.728	ug/l	95
13) Acrolein	4.171	56	49649	97.995	ug/l	99
14) Allyl chloride	5.024	41	67705	19.362	ug/l	96
15) Acrylonitrile	5.712	53	121626	103.171	ug/l	99
16) Acetone	4.424	43	101065	96.502	ug/l	96
17) Carbon Disulfide	4.712	76	132300	19.939	ug/l	98
18) Methyl Acetate	5.018	43	60873	19.115	ug/l	99
19) Methyl tert-butyl Ether	5.795	73	148847	21.272	ug/l	100
20) Methylene Chloride	5.271	84	52813	20.370	ug/l	97
21) trans-1,2-Dichloroethene	5.789	96	46115	20.023	ug/l	98
22) Diisopropyl ether	6.671	45	166719	21.480	ug/l	97
23) Vinyl Acetate	6.594	43	588567m	107.984	ug/l	
24) 1,1-Dichloroethane	6.565	63	96875	20.469	ug/l #	96
25) 2-Butanone	7.477	43	159952	103.786	ug/l	98
26) 2,2-Dichloropropane	7.483	77	79145	20.684	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	57454	21.180	ug/l	98
28) Bromochloromethane	7.812	49	41181	18.703	ug/l	99
29) Tetrahydrofuran	7.836	42	104792	107.247	ug/l	99
30) Chloroform	7.959	83	99655	20.374	ug/l	99
31) Cyclohexane	8.253	56	82980	20.173	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	87659	20.431	ug/l	98
36) 1,1-Dichloropropene	8.371	75	67949	20.490	ug/l	98
37) Ethyl Acetate	7.553	43	66443	19.850	ug/l	96
38) Carbon Tetrachloride	8.359	117	78842	20.767	ug/l	96
39) Methylcyclohexane	9.594	83	65012	20.862	ug/l	96
40) Benzene	8.600	78	207985	20.873	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085440.D
Acq On : 14 Jan 2025 15:43
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Quant Time: Jan 15 01:43:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	36578	21.004	ug/l		99
42) 1,2-Dichloroethane	8.665	62	78402	20.891	ug/l		99
43) Isopropyl Acetate	8.683	43	109131	20.347	ug/l		98
44) Trichloroethene	9.347	130	48009	20.699	ug/l		96
45) 1,2-Dichloropropane	9.618	63	52833	20.758	ug/l		93
46) Dibromomethane	9.700	93	37721	20.540	ug/l		98
47) Bromodichloromethane	9.882	83	78918	21.093	ug/l		96
48) Methyl methacrylate	9.677	41	50224	20.808	ug/l		96
49) 1,4-Dioxane	9.688	88	17140	421.686	ug/l		95
51) 4-Methyl-2-Pentanone	10.441	43	336911	108.249	ug/l		100
52) Toluene	10.630	92	125172	21.680	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	74129	20.965	ug/l		96
54) cis-1,3-Dichloropropene	10.306	75	81897	21.684	ug/l		99
55) 1,1,2-Trichloroethane	11.012	97	48039	21.025	ug/l		97
56) Ethyl methacrylate	10.871	69	70934	19.649	ug/l		99
57) 1,3-Dichloropropane	11.159	76	84210	21.196	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	153681	105.991	ug/l		100
59) 2-Hexanone	11.194	43	240595	109.863	ug/l		98
60) Dibromochloromethane	11.353	129	56069	20.326	ug/l		96
61) 1,2-Dibromoethane	11.465	107	48465	21.309	ug/l		96
64) Tetrachloroethene	11.100	164	43243	21.408	ug/l		96
65) Chlorobenzene	11.888	112	136809	21.077	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	48370	20.304	ug/l		98
67) Ethyl Benzene	11.959	91	229978	21.753	ug/l		98
68) m/p-Xylenes	12.071	106	177755	45.494	ug/l		100
69) o-Xylene	12.394	106	84548	22.643	ug/l		98
70) Styrene	12.412	104	140581	22.749	ug/l		99
71) Bromoform	12.576	173	36961	21.683	ug/l	#	96
73) Isopropylbenzene	12.694	105	211354	21.819	ug/l		100
74) N-amyl acetate	12.494	43	94292	21.656	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	68151	19.917	ug/l		99
76) 1,2,3-Trichloropropane	12.988	75	64180m	22.036	ug/l		
77) Bromobenzene	12.976	156	52022	20.556	ug/l		99
78) n-propylbenzene	13.035	91	252610	22.028	ug/l		100
79) 2-Chlorotoluene	13.123	91	158511	21.358	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	180294	22.533	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	22178m	20.569	ug/l		
82) 4-Chlorotoluene	13.218	91	161880	21.906	ug/l		100
83) tert-Butylbenzene	13.435	119	147541	21.958	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	183144	22.965	ug/l		99
85) sec-Butylbenzene	13.612	105	209133	22.457	ug/l		100
86) p-Isopropyltoluene	13.729	119	168888	21.661	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	97652	20.952	ug/l		100
88) 1,4-Dichlorobenzene	13.806	146	98321	20.351	ug/l		99
89) n-Butylbenzene	14.053	91	142673	21.355	ug/l		99
90) Hexachloroethane	14.329	117	35205	19.858	ug/l		98
91) 1,2-Dichlorobenzene	14.100	146	94954	20.425	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	12859	20.580	ug/l		100
93) 1,2,4-Trichlorobenzene	15.388	180	45878	21.233	ug/l		99
94) Hexachlorobutadiene	15.500	225	22719	19.805	ug/l		95
95) Naphthalene	15.635	128	134793	20.906	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	45468	20.797	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085440.D
Acq On : 14 Jan 2025 15:43
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Quant Time: Jan 15 01:43:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

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

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

ICAL Form

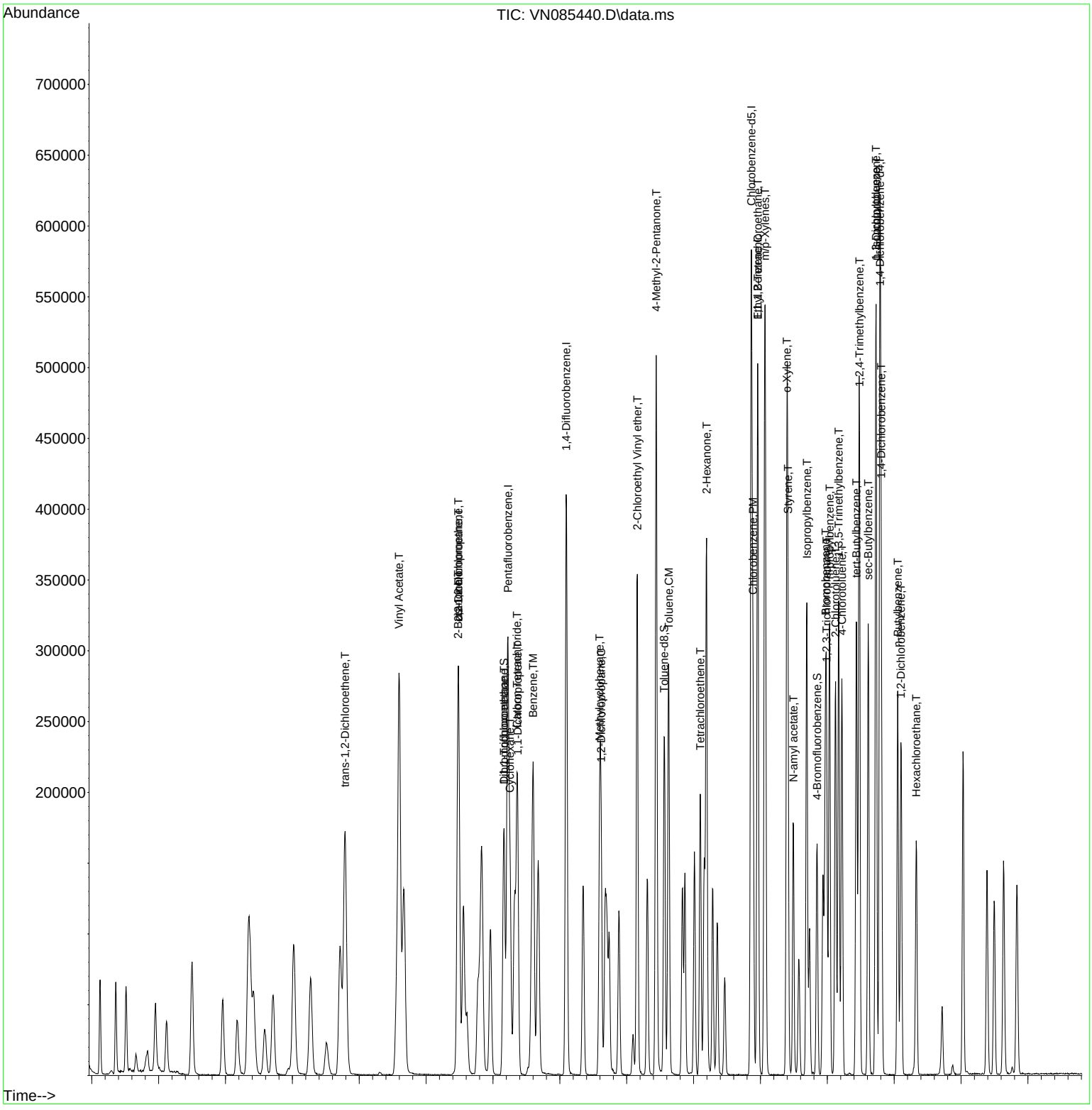
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Data File : VN085440.D
Acq On : 14 Jan 2025 15:43
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

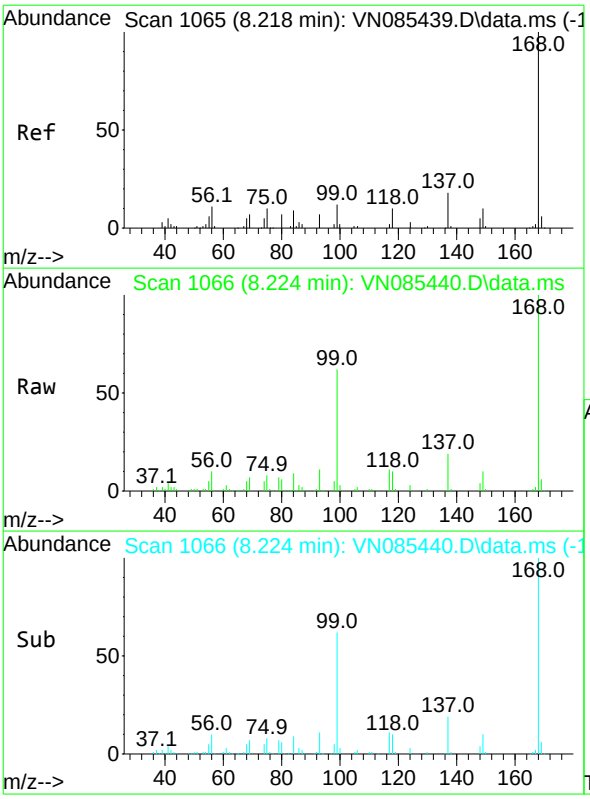
Quant Time: Jan 15 01:43:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

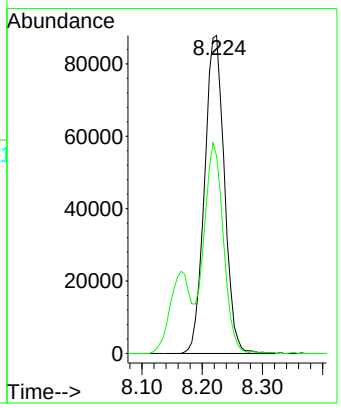




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion:168 Resp: 200796

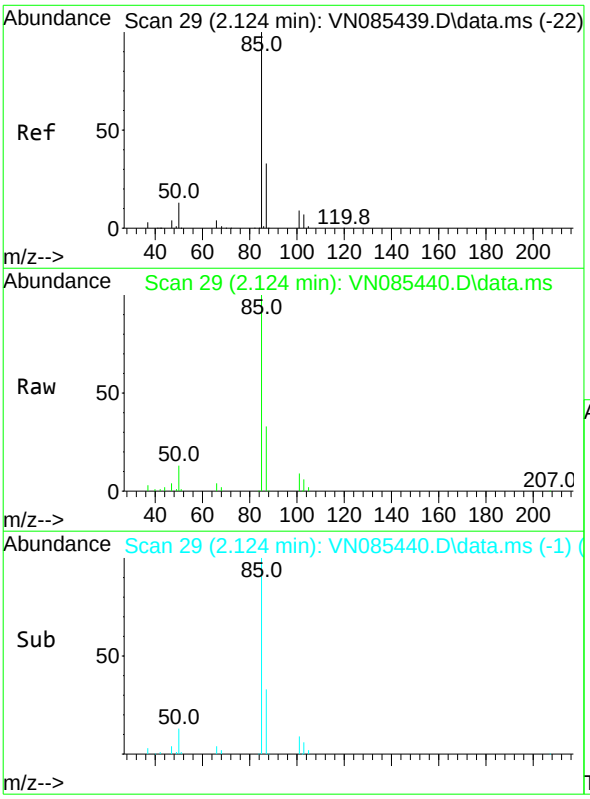
Ion	Ratio	Lower	Upper
168	100		
99	62.2	53.6	80.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

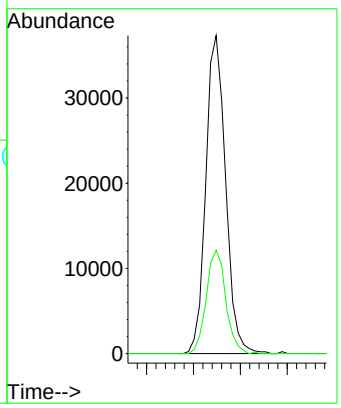
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

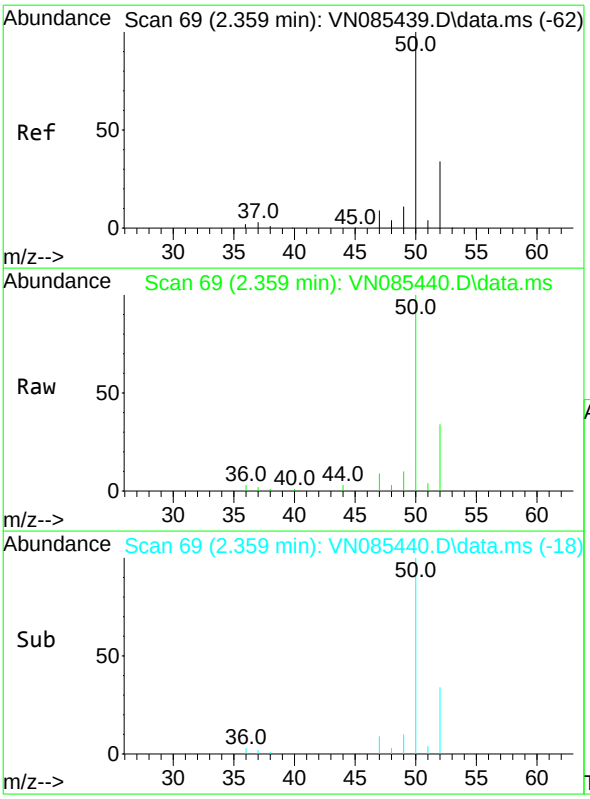


#2
Dichlorodifluoromethane
Concen: 20.107 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 85 Resp: 54666

Ion	Ratio	Lower	Upper
85	100		
87	32.5	16.7	50.1

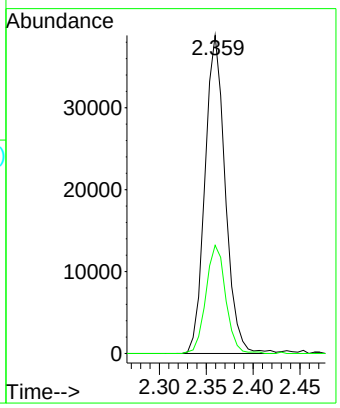




#3
Chloromethane
Concen: 19.848 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 50 Resp: 58426

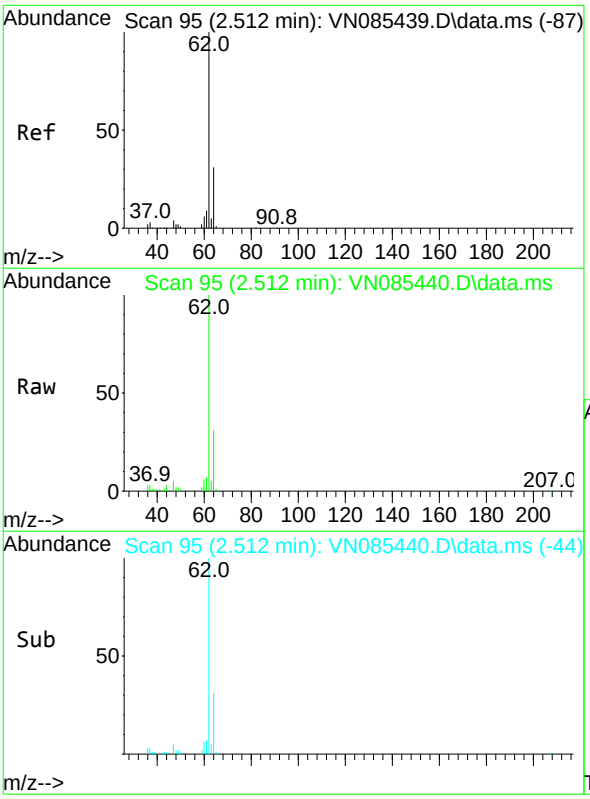
Ion	Ratio	Lower	Upper
50	100		
52	34.0	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

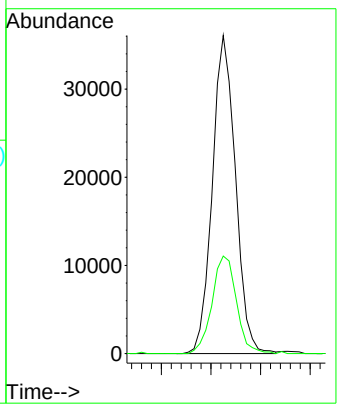
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

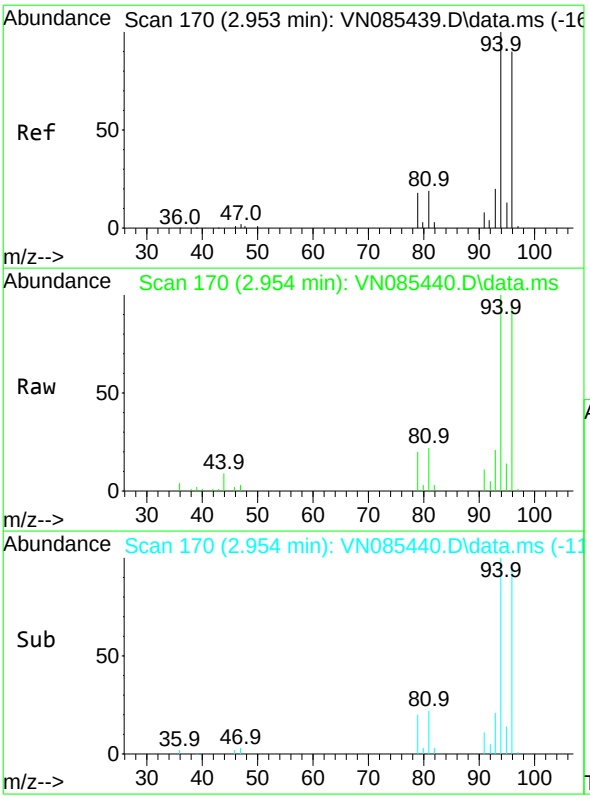


#4
Vinyl Chloride
Concen: 19.739 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 62 Resp: 58403

Ion	Ratio	Lower	Upper
62	100		
64	30.7	24.8	37.2

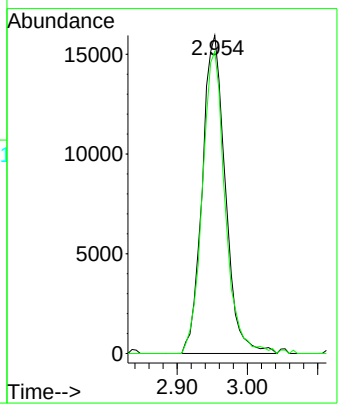




#5
Bromomethane
Concen: 20.389 ug/l
RT: 2.954 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 94 Resp: 36440

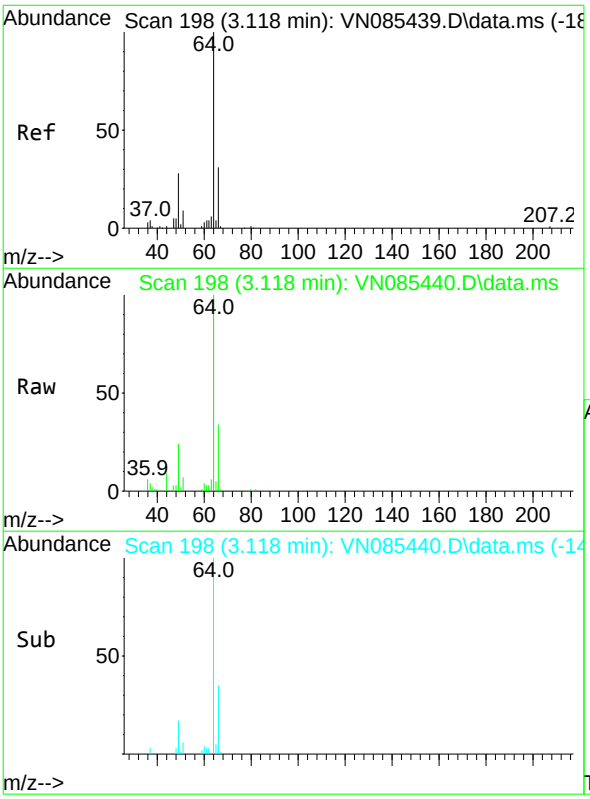
Ion	Ratio	Lower	Upper
94	100		
96	94.9	71.8	107.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

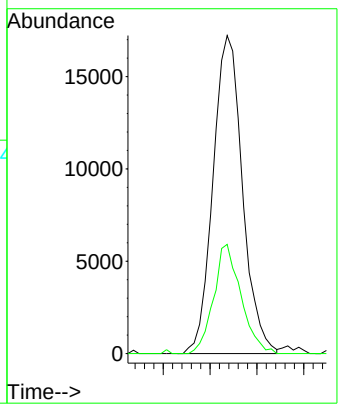
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

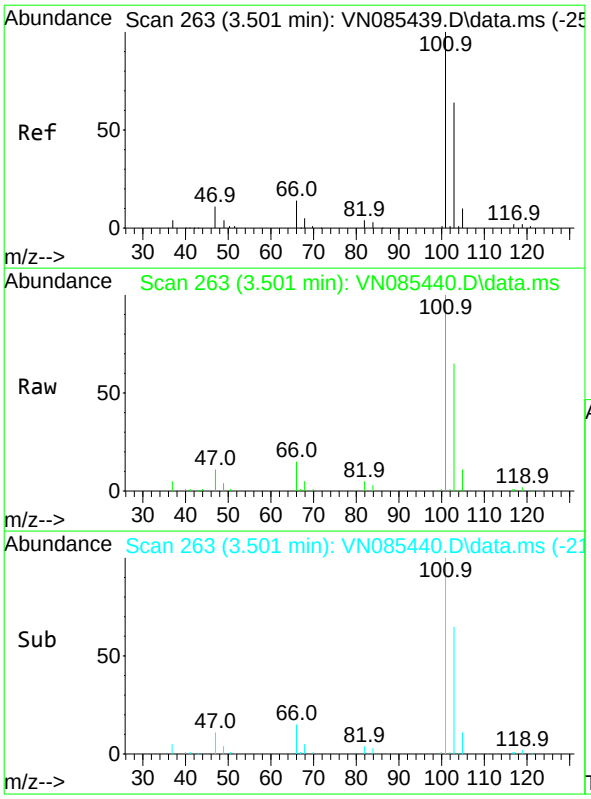


#6
Chloroethane
Concen: 20.041 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 64 Resp: 37594

Ion	Ratio	Lower	Upper
64	100		
66	34.3	24.6	36.8

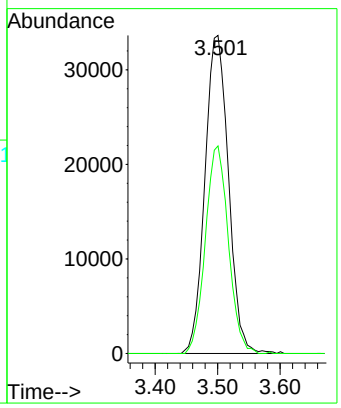




#7
Trichlorofluoromethane
Concen: 20.526 ug/l
RT: 3.501 min Scan# 26
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion:101 Resp: 88121

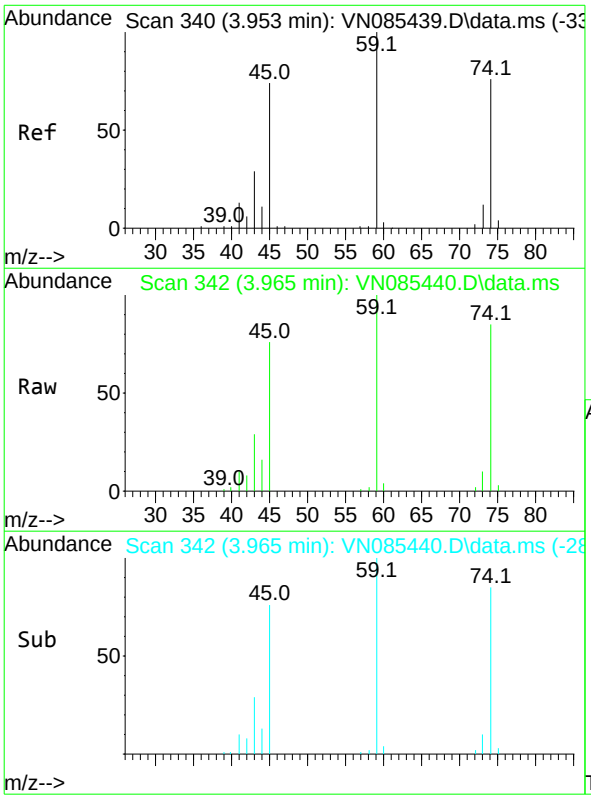
Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.4	77.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
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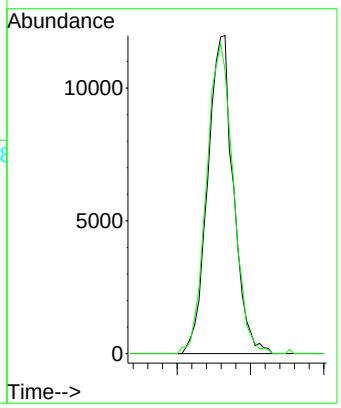
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

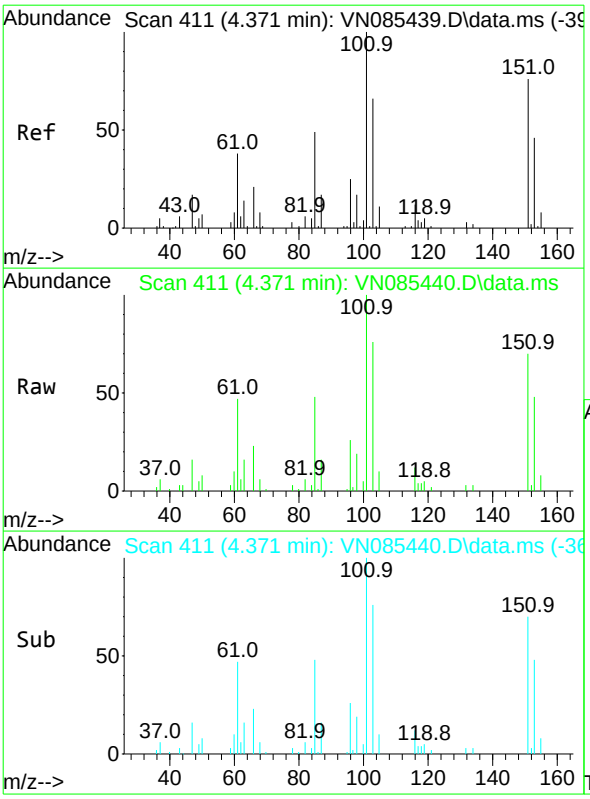


#8
Diethyl Ether
Concen: 19.647 ug/l
RT: 3.965 min Scan# 342
Delta R.T. 0.012 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 74 Resp: 29138

Ion	Ratio	Lower	Upper
74	100		
45	101.8	49.7	149.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.237 ug/l
RT: 4.371 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

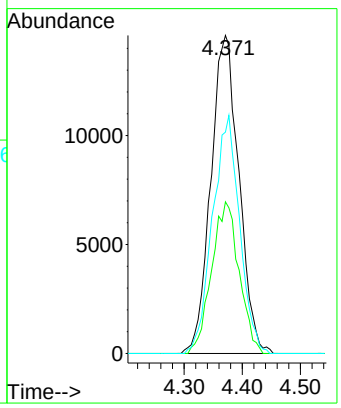
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

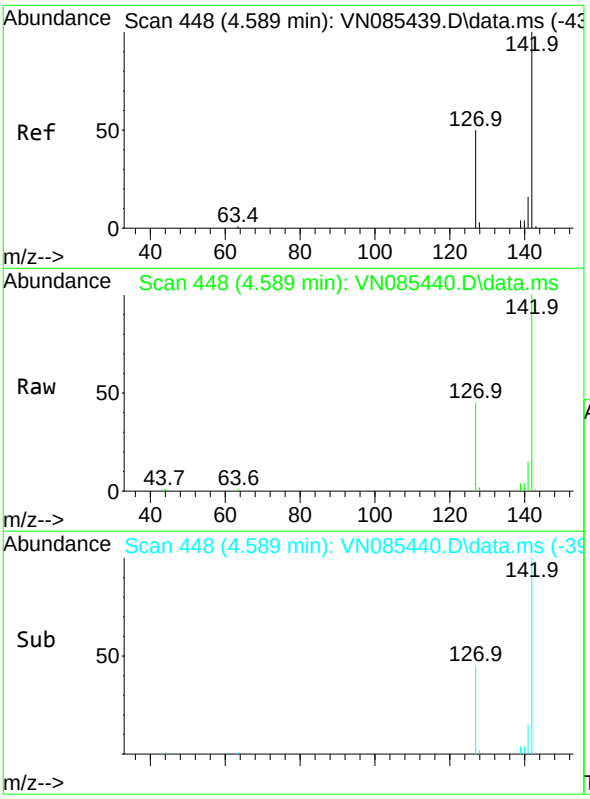
Tgt Ion:101 Resp: 48933

Ion	Ratio	Lower	Upper
101	100		
85	46.6	37.8	56.8
151	72.1	58.8	88.2

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Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

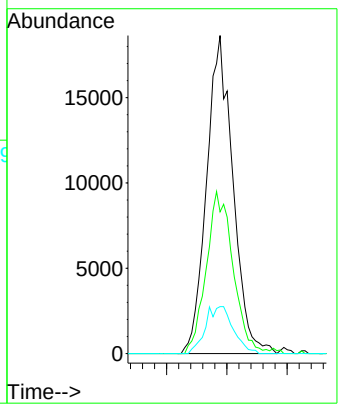


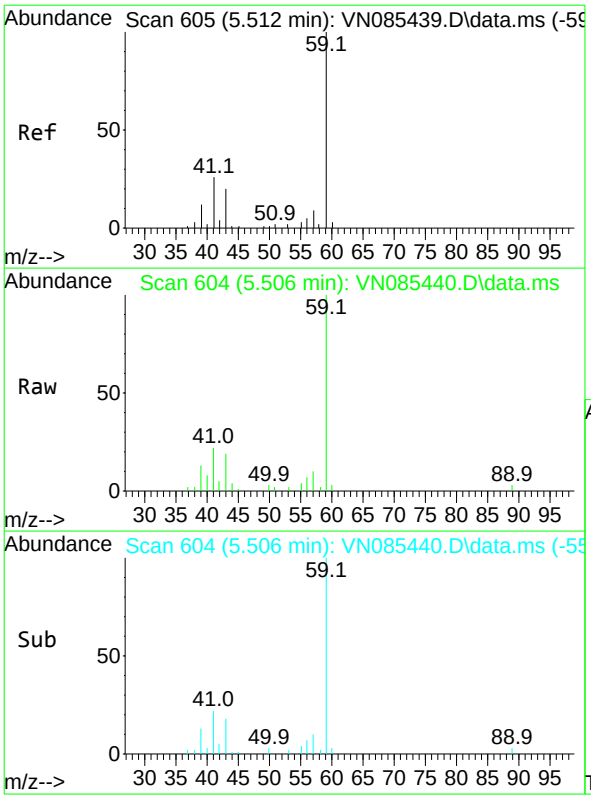


#10
Methyl Iodide
Concen: 20.428 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion:142 Resp: 56567

Ion	Ratio	Lower	Upper
142	100		
127	44.6	40.3	60.5
141	14.8	12.8	19.2

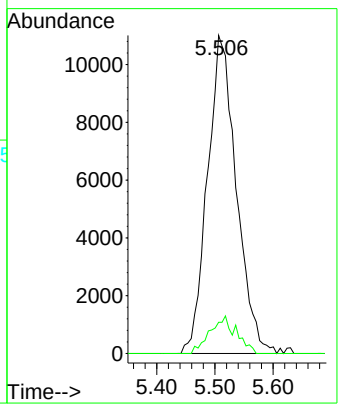




#11
Tert butyl alcohol
Concen: 102.342 ug/l
RT: 5.506 min Scan# 60
Delta R.T. -0.006 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 59 Resp: 37984

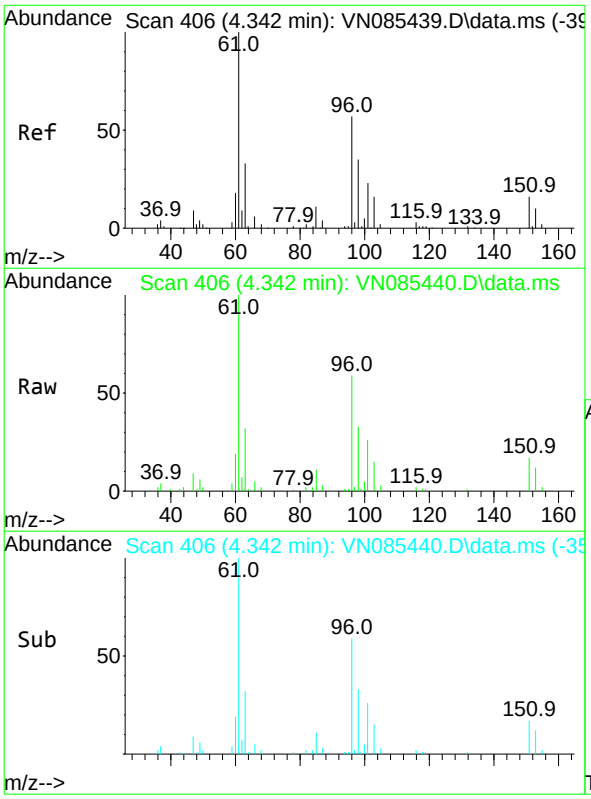
Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.6	13.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

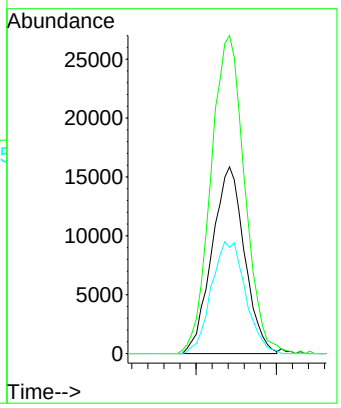
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

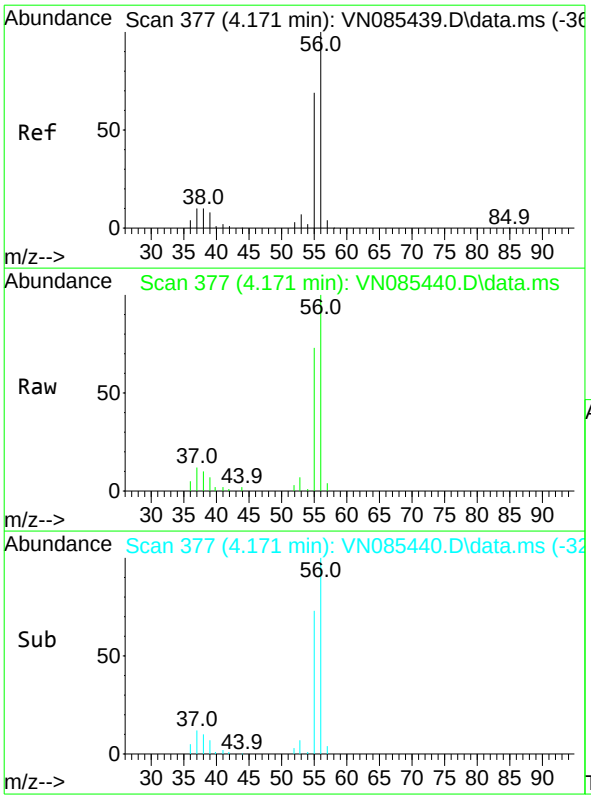


#12
1,1-Dichloroethene
Concen: 20.728 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 96 Resp: 44670

Ion	Ratio	Lower	Upper
96	100		
61	170.3	141.0	211.4
98	56.8	49.0	73.6

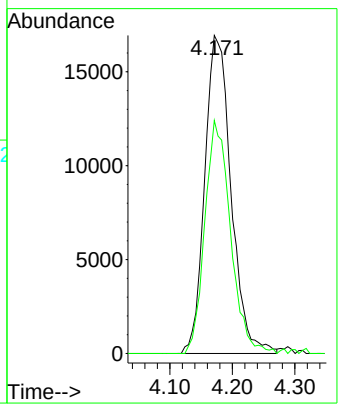




#13
Acrolein
Concen: 97.995 ug/l
RT: 4.171 min Scan# 37
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 56 Resp: 49649

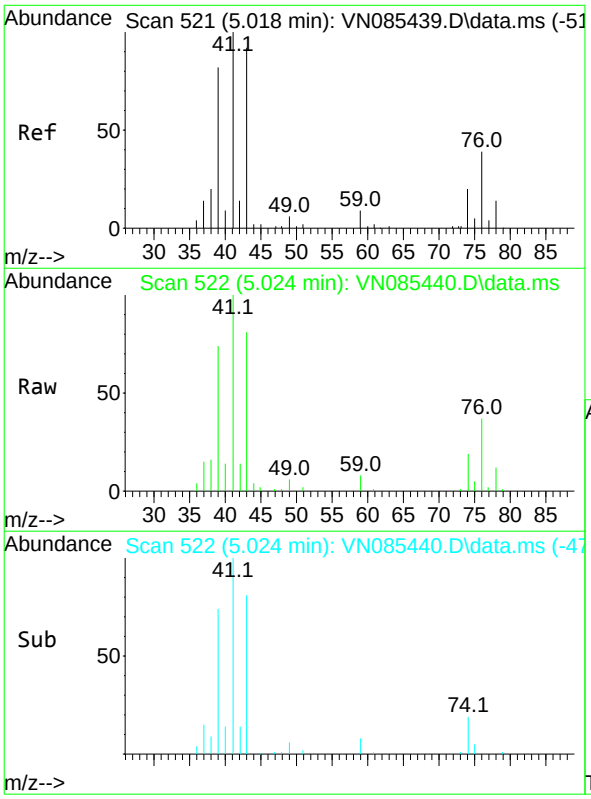
Ion	Ratio	Lower	Upper
56	100		
55	71.4	56.3	84.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
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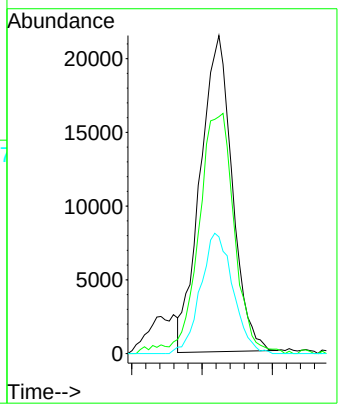
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

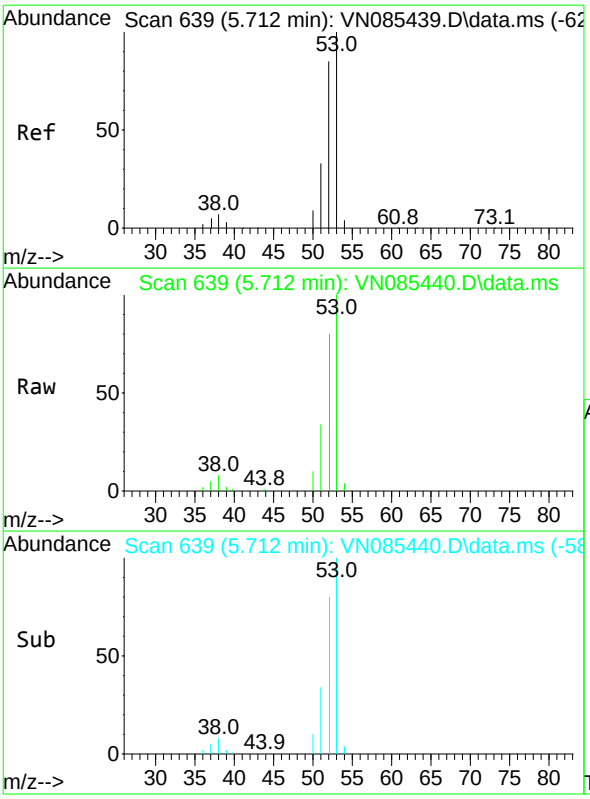


#14
Allyl chloride
Concen: 19.362 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 41 Resp: 67705

Ion	Ratio	Lower	Upper
41	100		
39	85.0	64.4	96.6
76	38.6	30.5	45.7

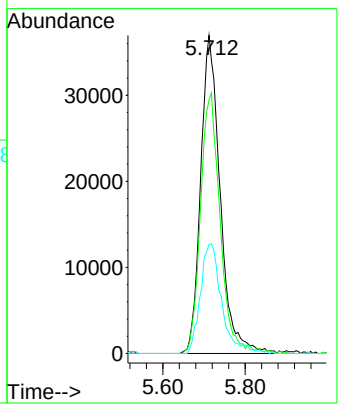




#15
Acrylonitrile
Concen: 103.171 ug/l
RT: 5.712 min Scan# 63
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 53 Resp: 121626

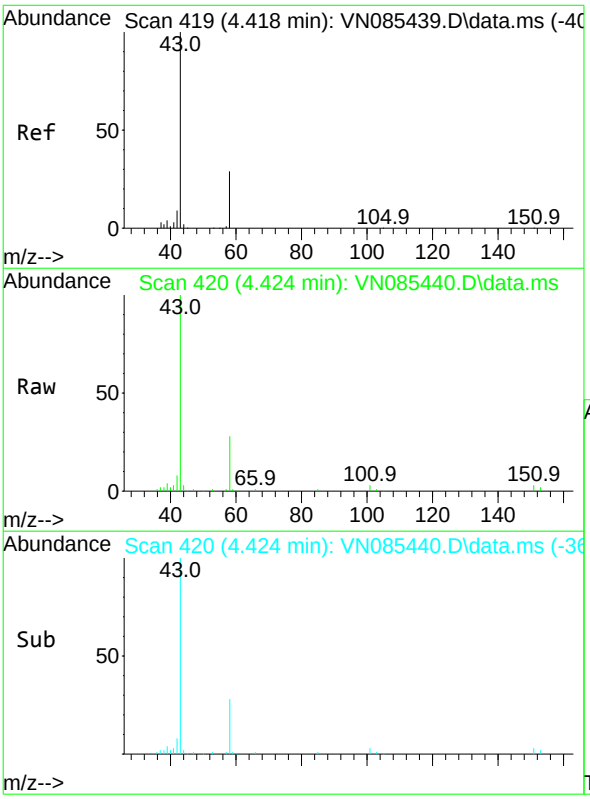
Ion	Ratio	Lower	Upper
53	100		
52	81.1	65.5	98.3
51	36.1	29.8	44.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

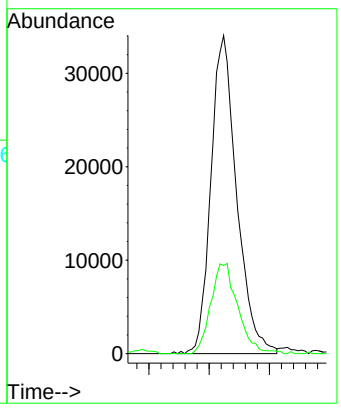
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

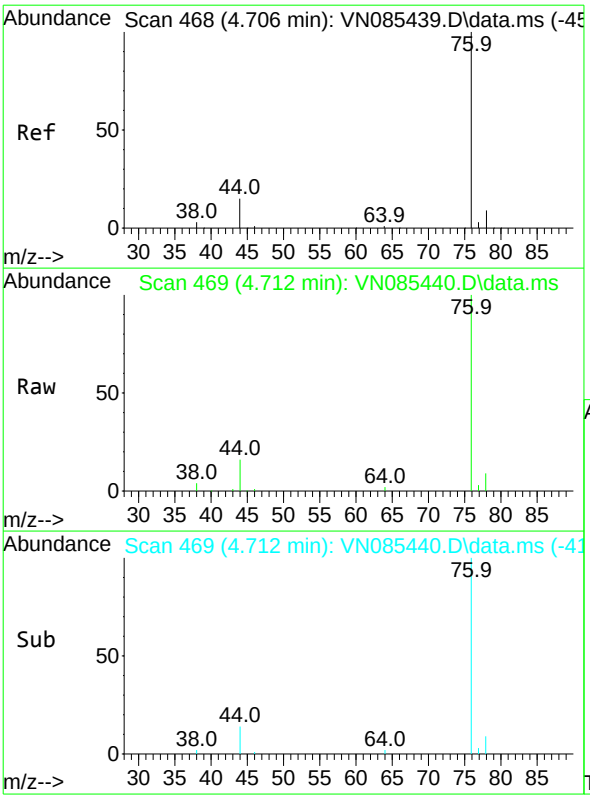


#16
Acetone
Concen: 96.502 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 43 Resp: 101065

Ion	Ratio	Lower	Upper
43	100		
58	27.7	23.8	35.6

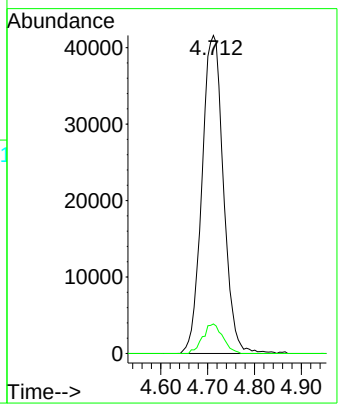




#17
Carbon Disulfide
Concen: 19.939 ug/l
RT: 4.712 min Scan# 46
Delta R.T. 0.006 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 76 Resp: 132300

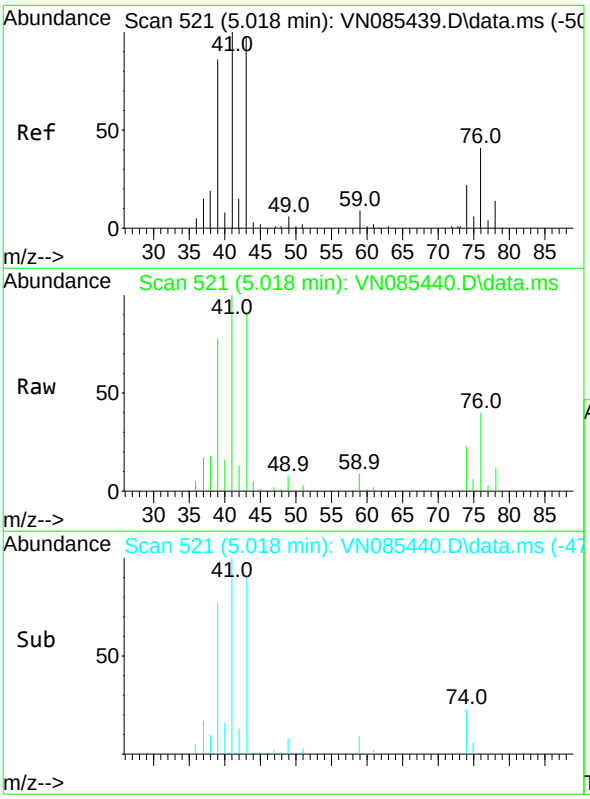
Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.9	10.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
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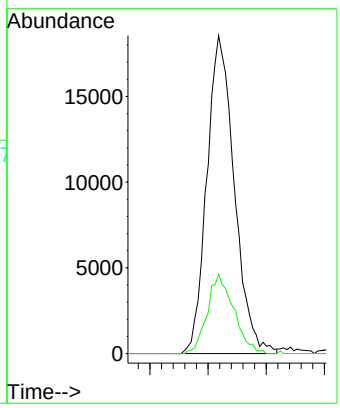
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

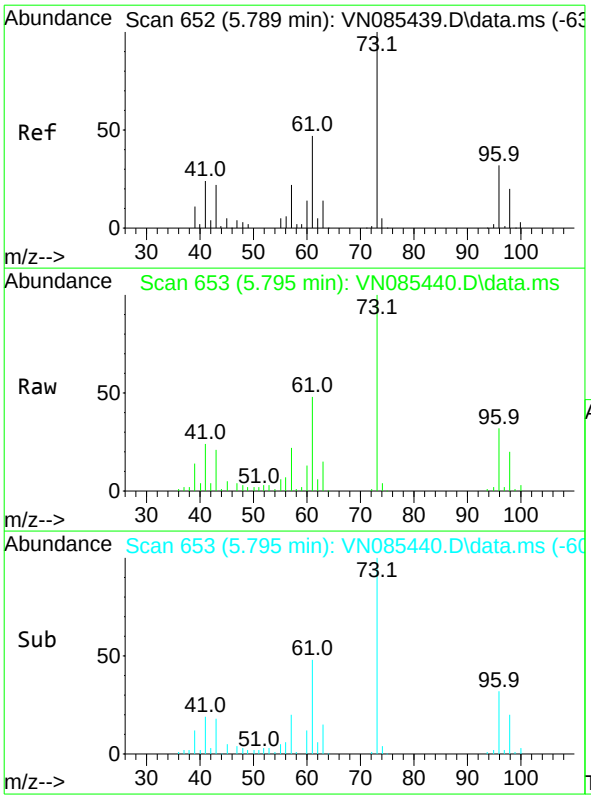


#18
Methyl Acetate
Concen: 19.115 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 43 Resp: 60873

Ion	Ratio	Lower	Upper
43	100		
74	24.0	18.6	28.0

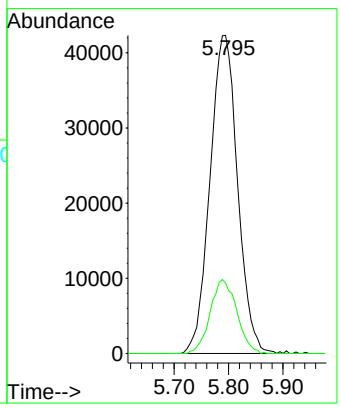




#19
Methyl tert-butyl Ether
Concen: 21.272 ug/l
RT: 5.795 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 73 Resp: 148847

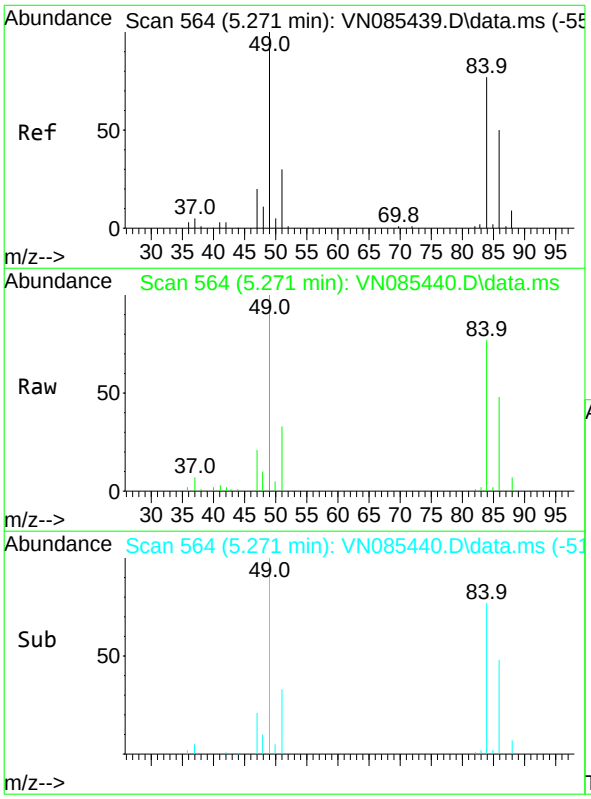
Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.8	26.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

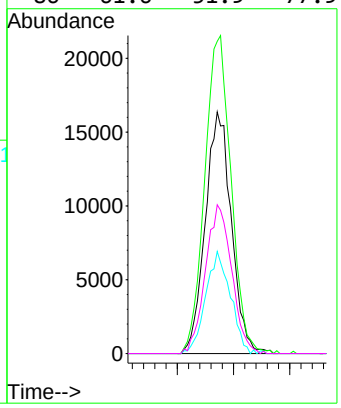
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

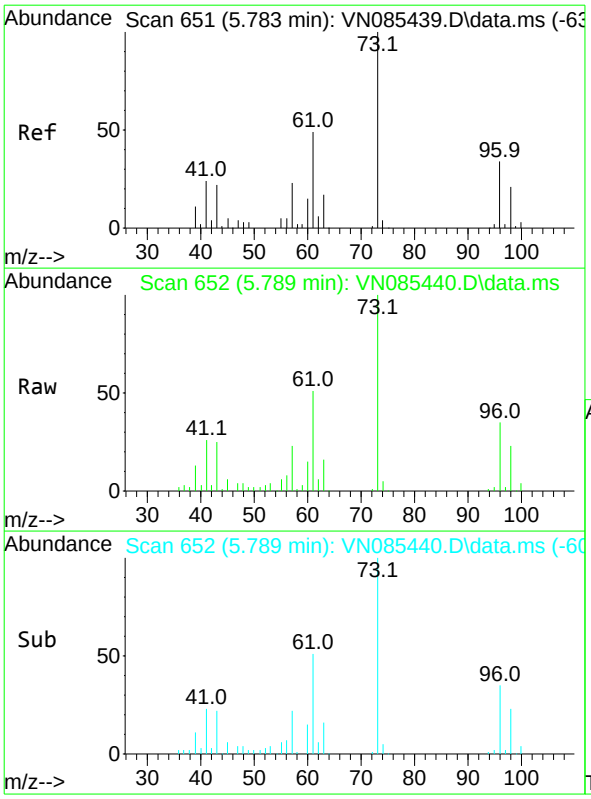


#20
Methylene Chloride
Concen: 20.370 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 84 Resp: 52813

Ion	Ratio	Lower	Upper
84	100		
49	129.2	104.1	156.1
51	42.2	31.0	46.4
86	61.6	51.9	77.9

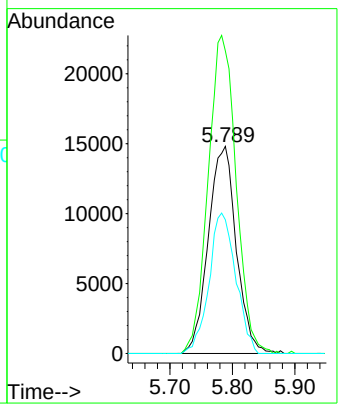




#21
trans-1,2-Dichloroethene
Concen: 20.023 ug/l
RT: 5.789 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 96 Resp: 46115

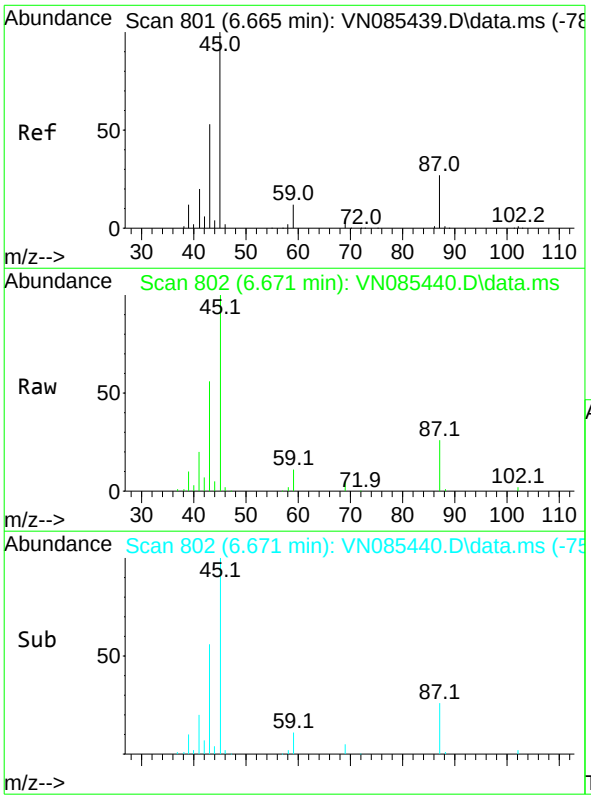
Ion	Ratio	Lower	Upper
96	100		
61	146.1	115.7	173.5
98	64.5	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
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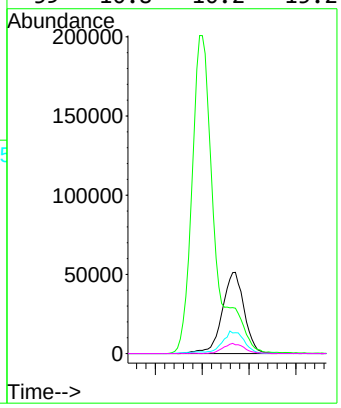
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

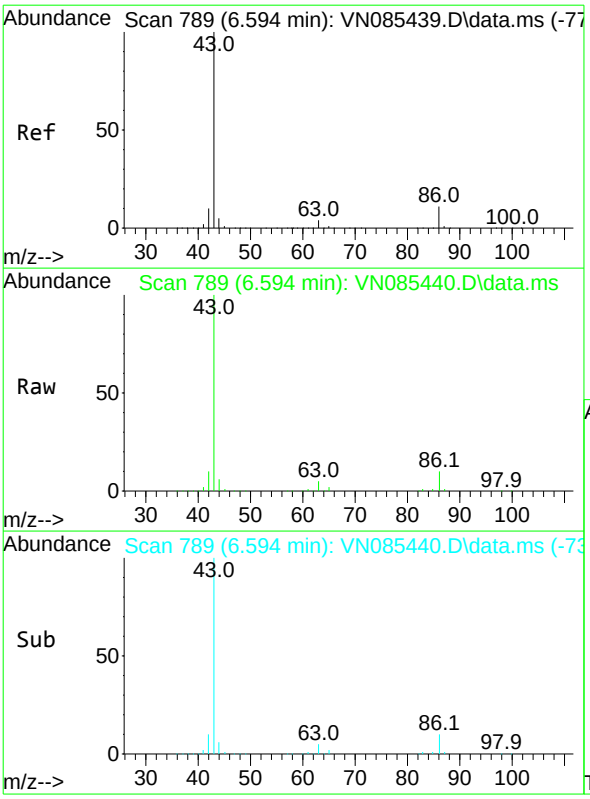


#22
Diisopropyl ether
Concen: 21.480 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.006 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 45 Resp: 166719

Ion	Ratio	Lower	Upper
45	100		
43	54.3	45.0	67.6
87	25.3	21.8	32.8
59	10.8	10.2	15.2

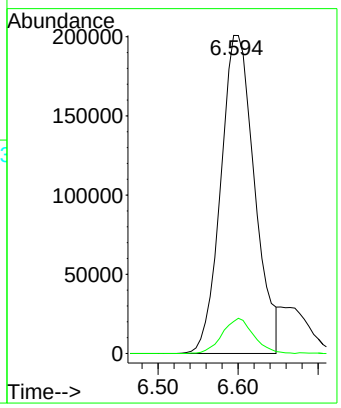




#23
Vinyl Acetate
Concen: 107.984 ug/l m
RT: 6.594 min Scan# 78
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 43 Resp: 588567

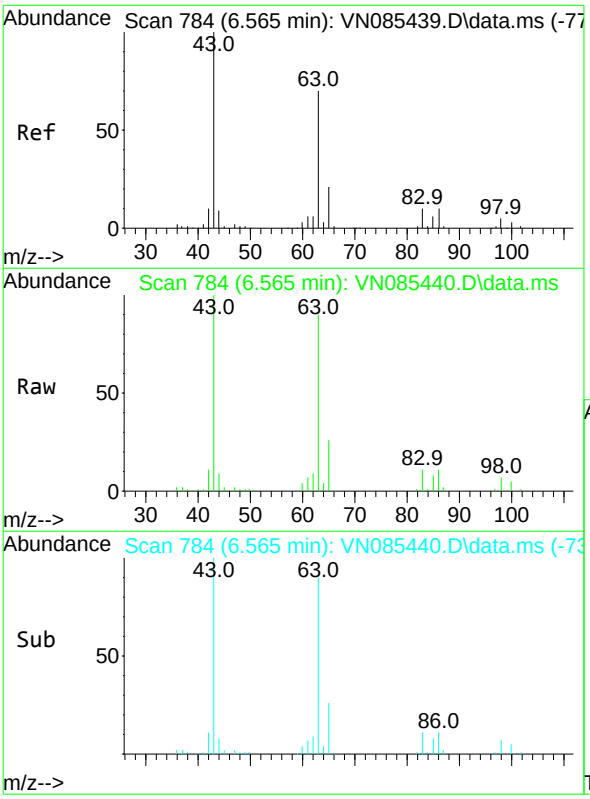
Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.4	12.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

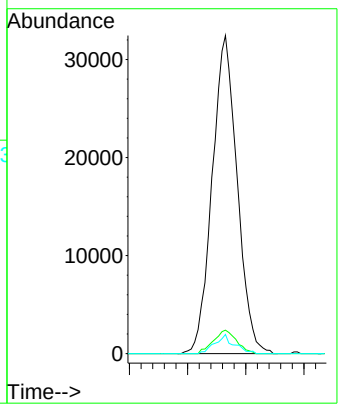
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

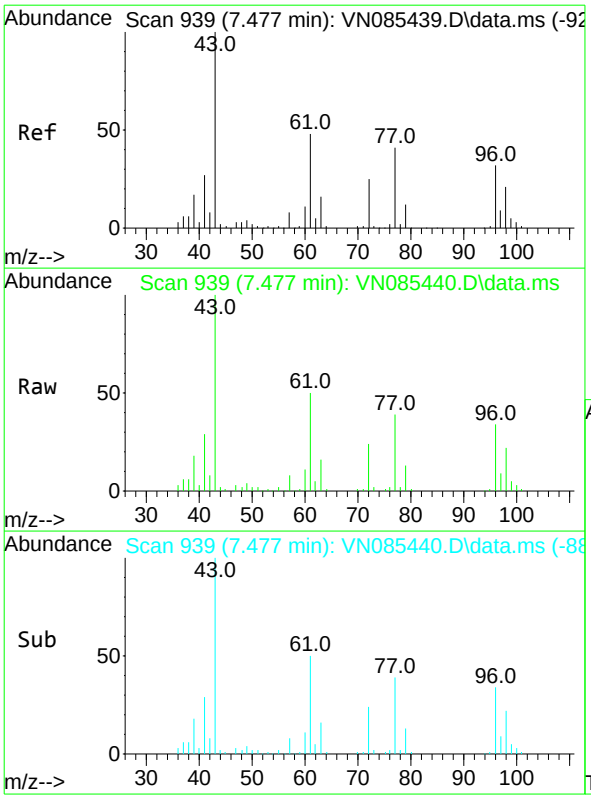


#24
1,1-Dichloroethane
Concen: 20.469 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 63 Resp: 96875

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.3	9.8
100	6.0	2.0	6.0#





#25
2-Butanone
Concen: 103.786 ug/l
RT: 7.477 min Scan# 93
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

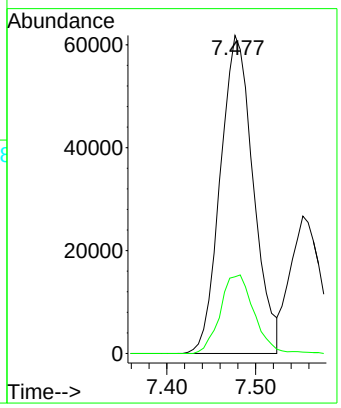
Tgt Ion: 43 Resp: 159952

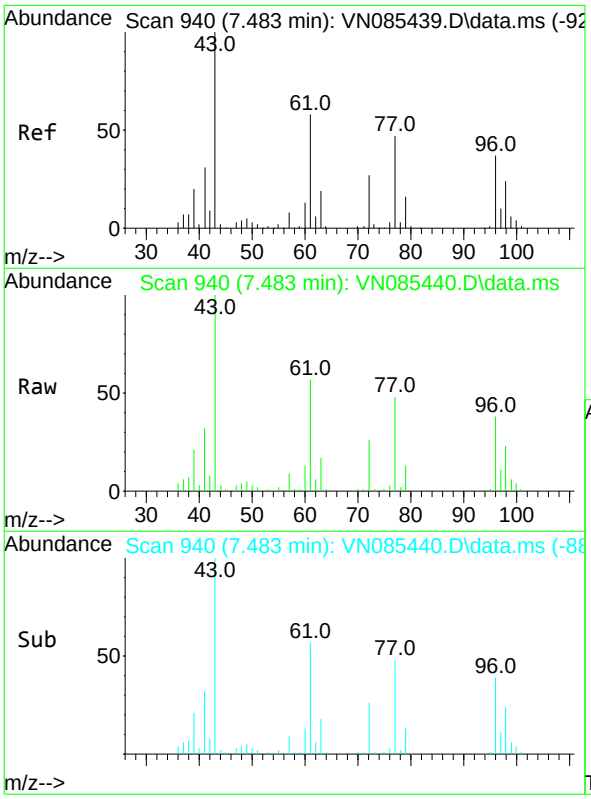
Ion	Ratio	Lower	Upper
43	100		
72	24.1	20.2	30.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

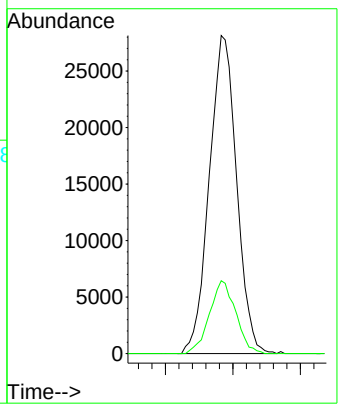


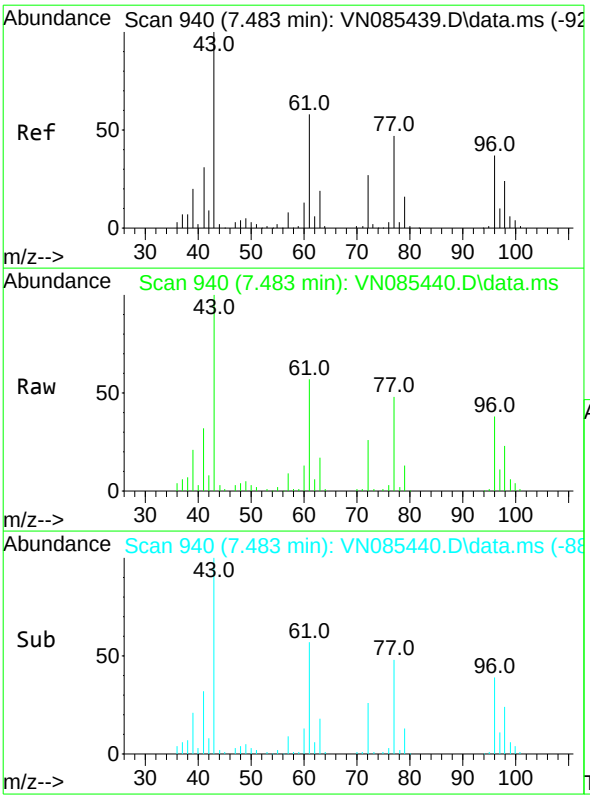


#26
2,2-Dichloropropane
Concen: 20.684 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 77 Resp: 79145

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.7	32.1

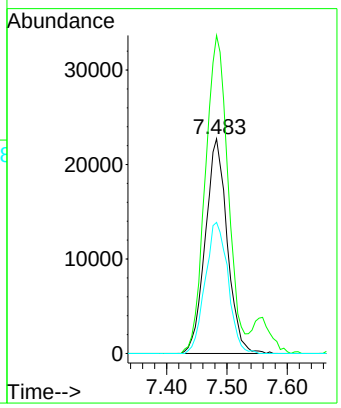




#27
cis-1,2-Dichloroethene
Concen: 21.180 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 96 Resp: 57454

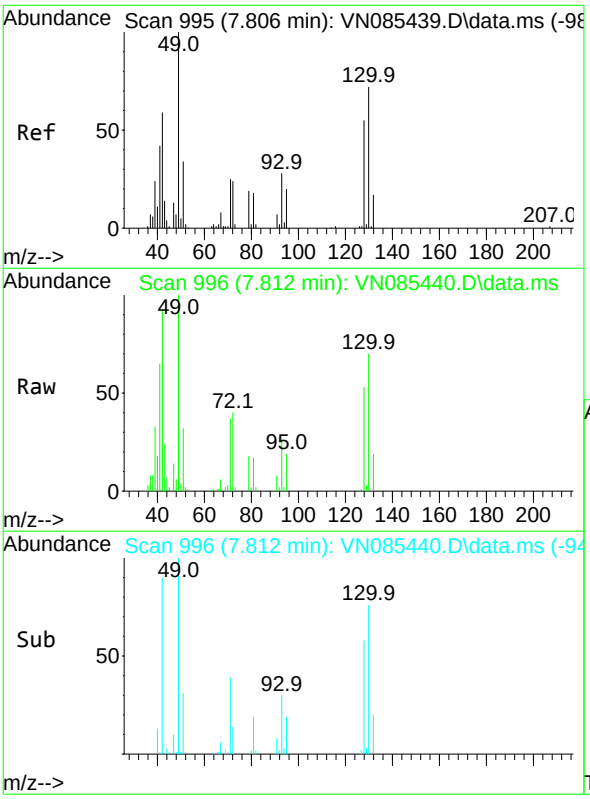
Ion	Ratio	Lower	Upper
96	100		
61	153.0	0.0	311.8
98	63.7	0.0	126.0



Instrument :
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ClientSampleId :
VSTDICC020

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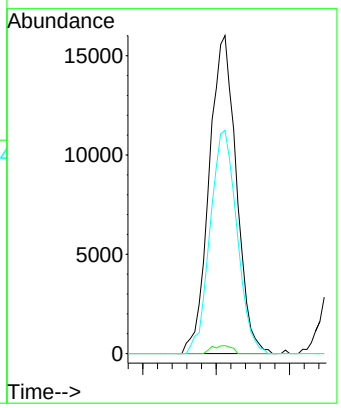
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

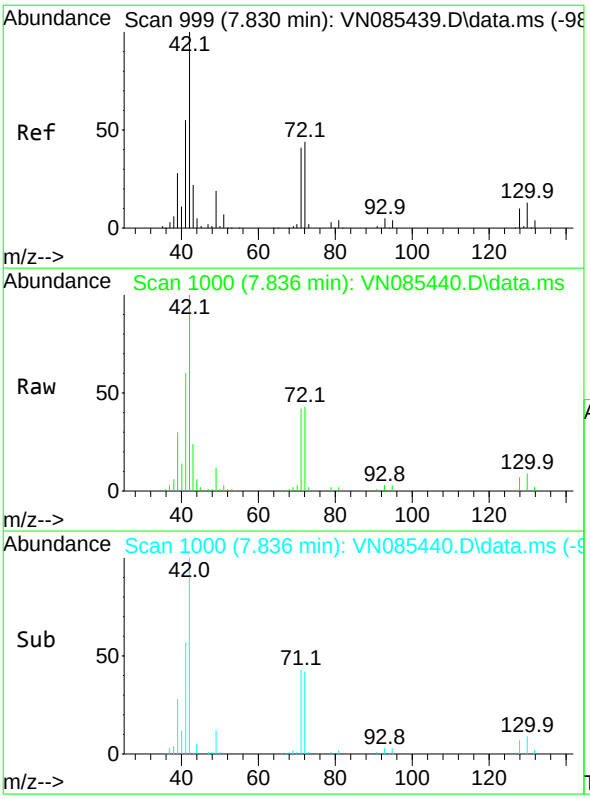


#28
Bromochloromethane
Concen: 18.703 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 49 Resp: 41181

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.4
130	69.3	55.0	82.4

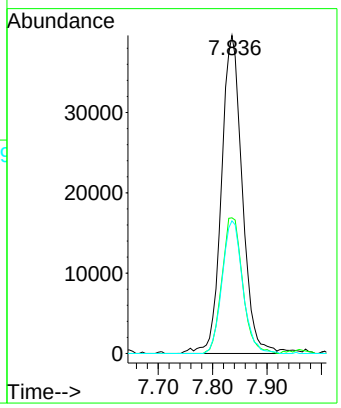




#29
Tetrahydrofuran
Concen: 107.247 ug/l
RT: 7.836 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 42 Resp: 104792

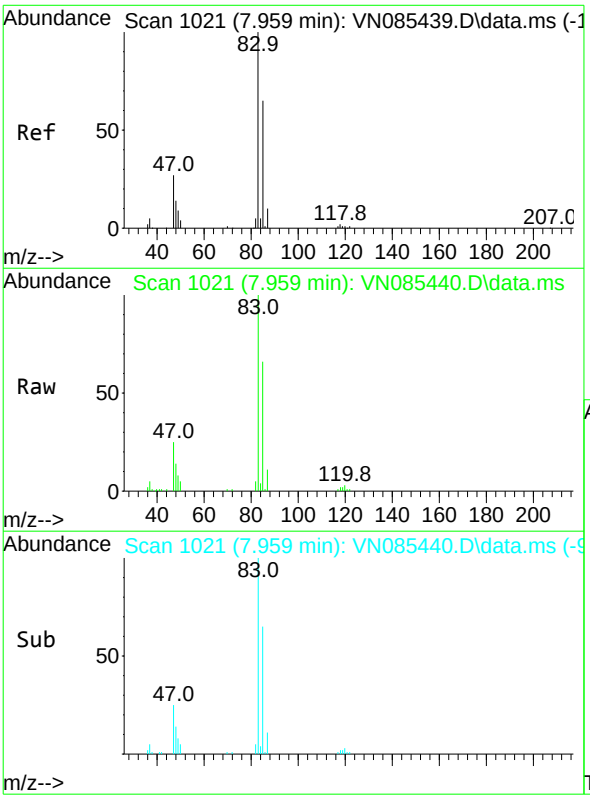
Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.2	51.2
71	41.4	32.5	48.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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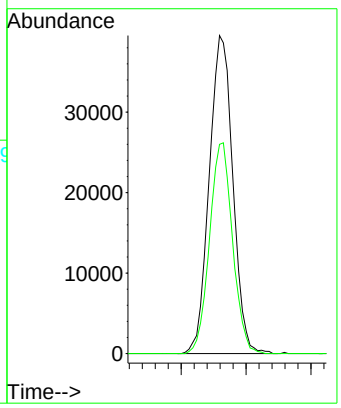
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

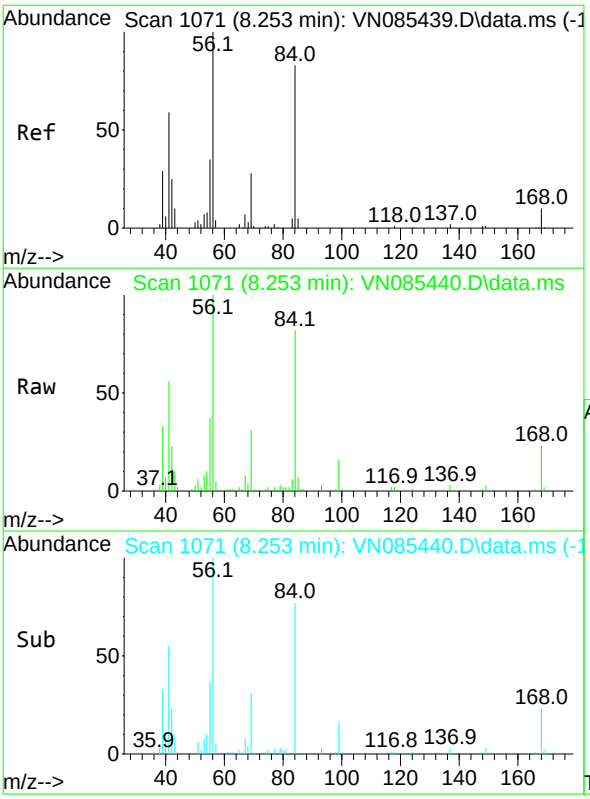


#30
Chloroform
Concen: 20.374 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 83 Resp: 99655

Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.8	77.6

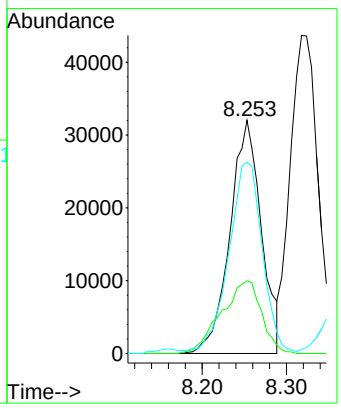




#31
Cyclohexane
Concen: 20.173 ug/l
RT: 8.253 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 56 Resp: 82980

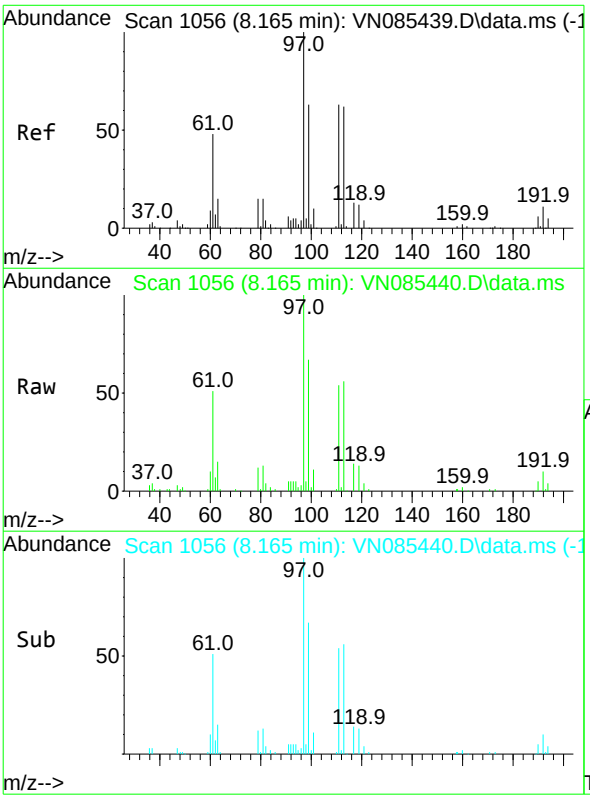
Ion	Ratio	Lower	Upper
56	100		
69	31.2	22.2	33.4
84	80.8	66.4	99.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
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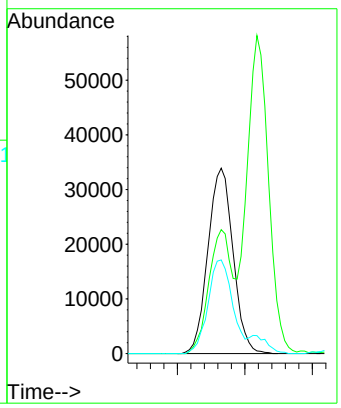
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

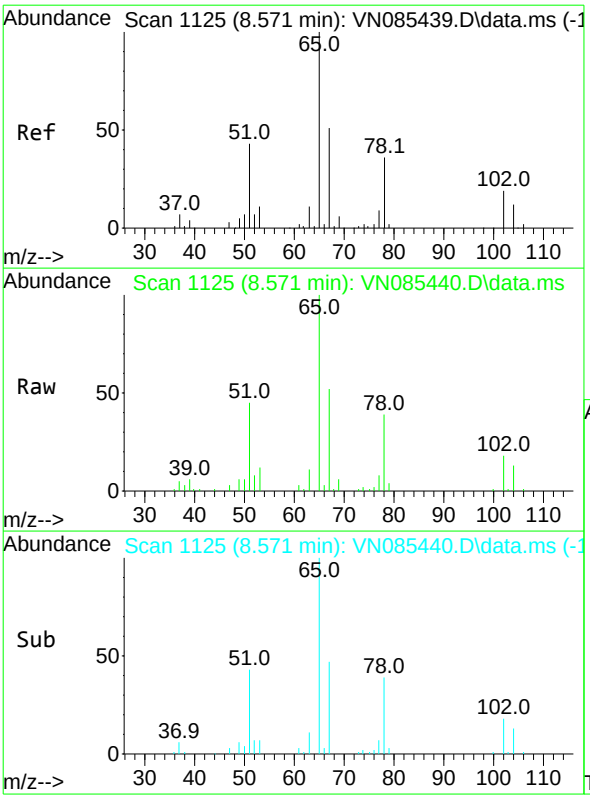


#32
1,1,1-Trichloroethane
Concen: 20.431 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 97 Resp: 87659

Ion	Ratio	Lower	Upper
97	100		
99	64.2	49.8	74.6
61	50.3	41.4	62.2

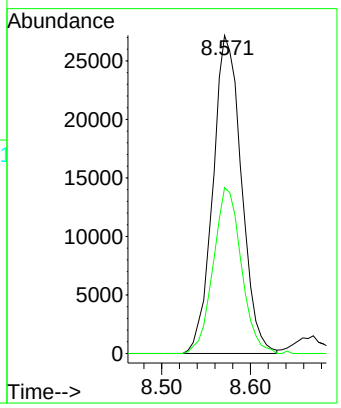




#33
1,2-Dichloroethane-d4
Concen: 18.694 ug/l
RT: 8.571 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 65 Resp: 60593

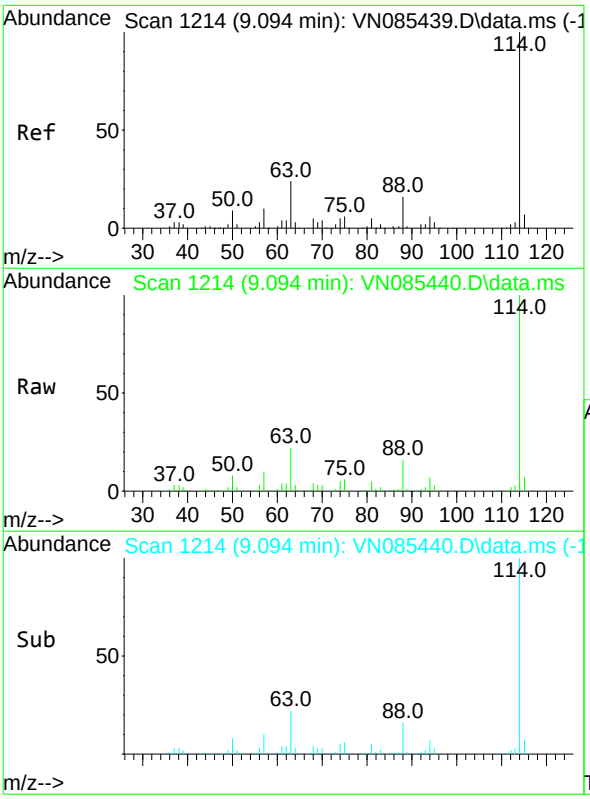
Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	101.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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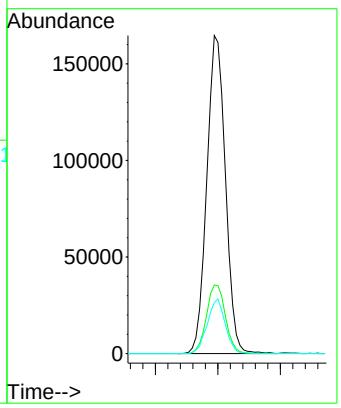
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

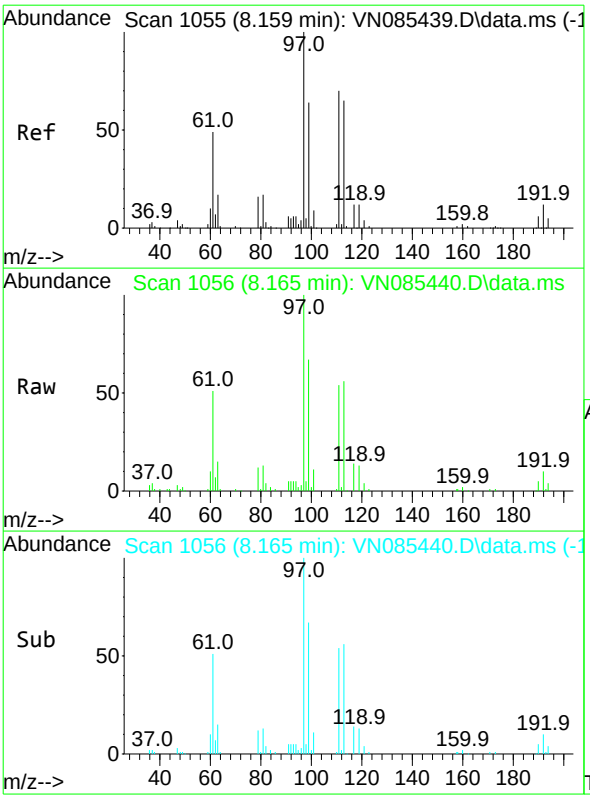


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion:114 Resp: 340593

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	47.6
88	16.0	0.0	32.6





#35
Dibromofluoromethane
Concen: 19.322 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

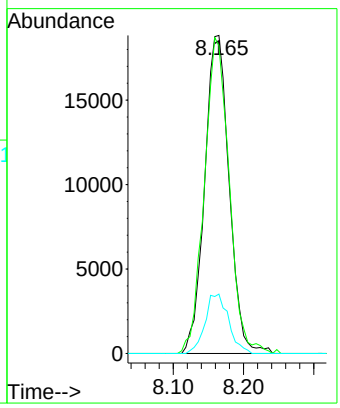
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

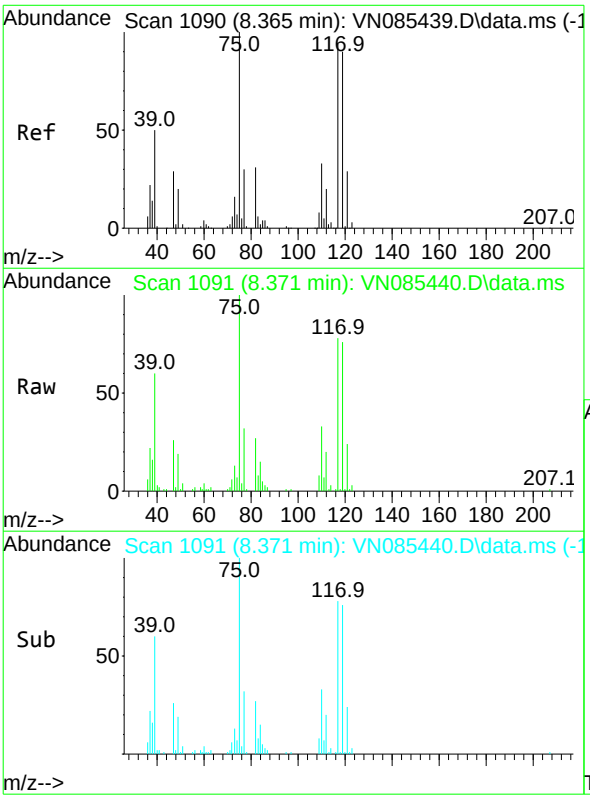
Tgt Ion:113 Resp: 45655

Ion	Ratio	Lower	Upper
113	100		
111	100.6	82.7	124.1
192	17.9	14.3	21.5

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Supervised By :Mahesh Dadoda 01/15/2025

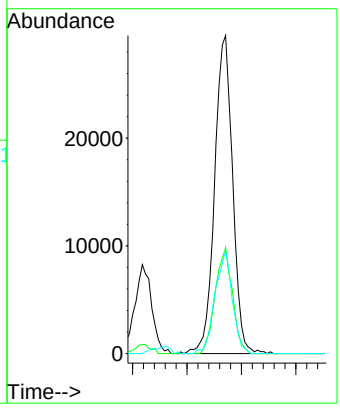


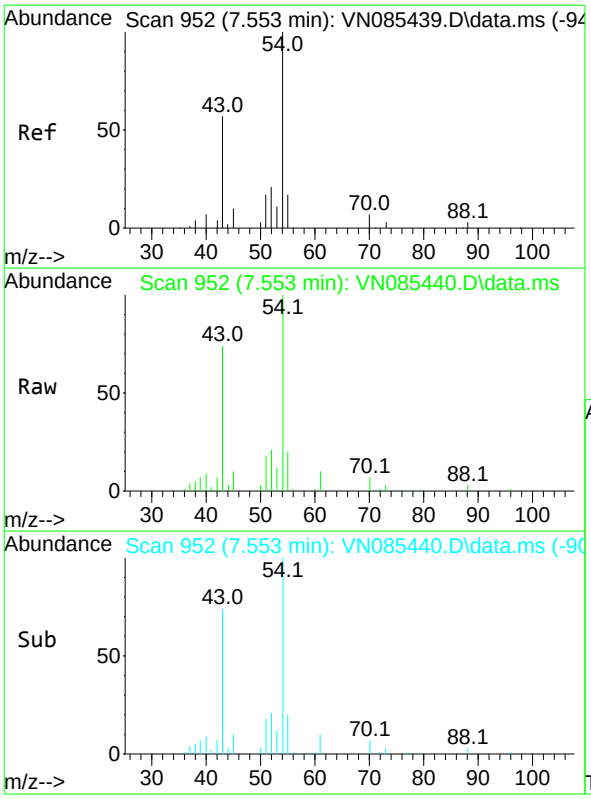


#36
1,1-Dichloropropene
Concen: 20.490 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.006 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 75 Resp: 67949

Ion	Ratio	Lower	Upper
75	100		
110	31.8	16.5	49.5
77	31.1	24.4	36.6





#37
Ethyl Acetate
Concen: 19.850 ug/l
RT: 7.553 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

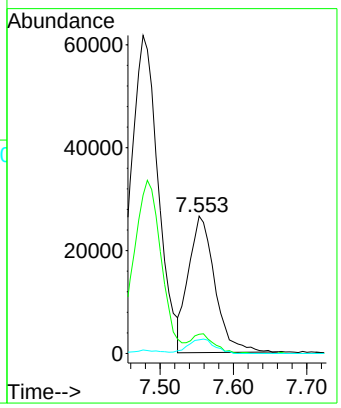
Tgt Ion: 43 Resp: 66443

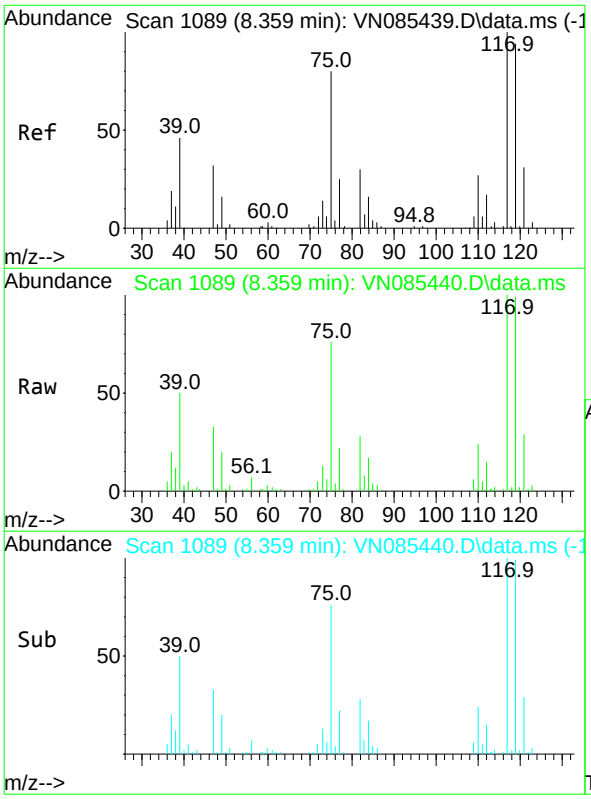
Ion	Ratio	Lower	Upper
43	100		
61	11.9	10.9	16.3
70	10.6	7.5	11.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

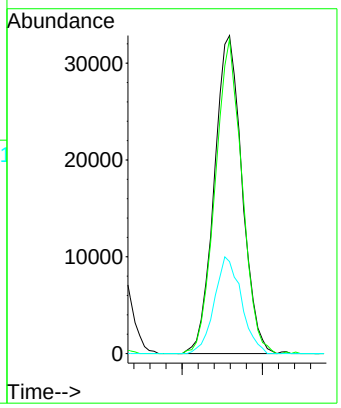


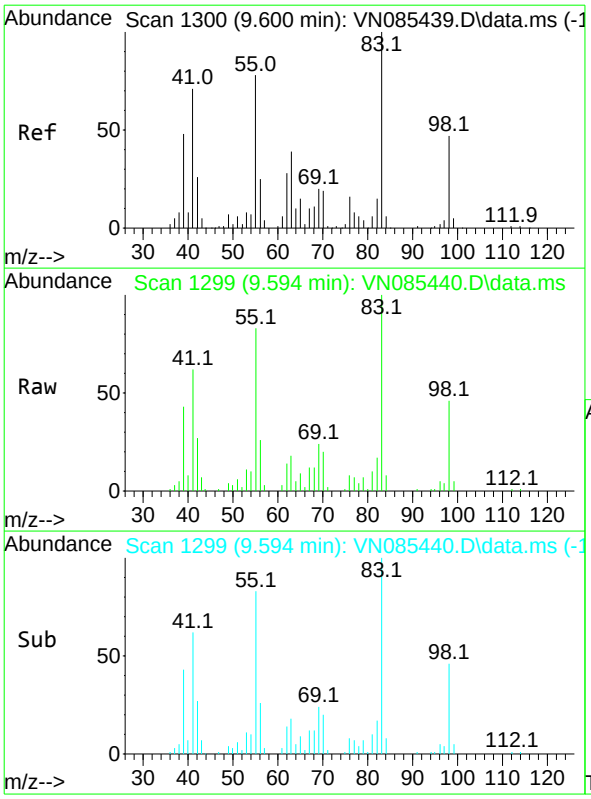


#38
Carbon Tetrachloride
Concen: 20.767 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion:117 Resp: 78842

Ion	Ratio	Lower	Upper
117	100		
119	98.9	75.4	113.2
121	28.9	24.6	37.0

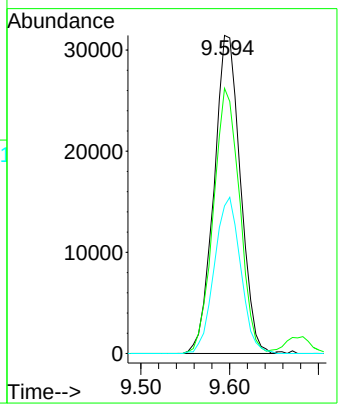




#39
Methylcyclohexane
Concen: 20.862 ug/l
RT: 9.594 min Scan# 12
Delta R.T. -0.006 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 83 Resp: 65012

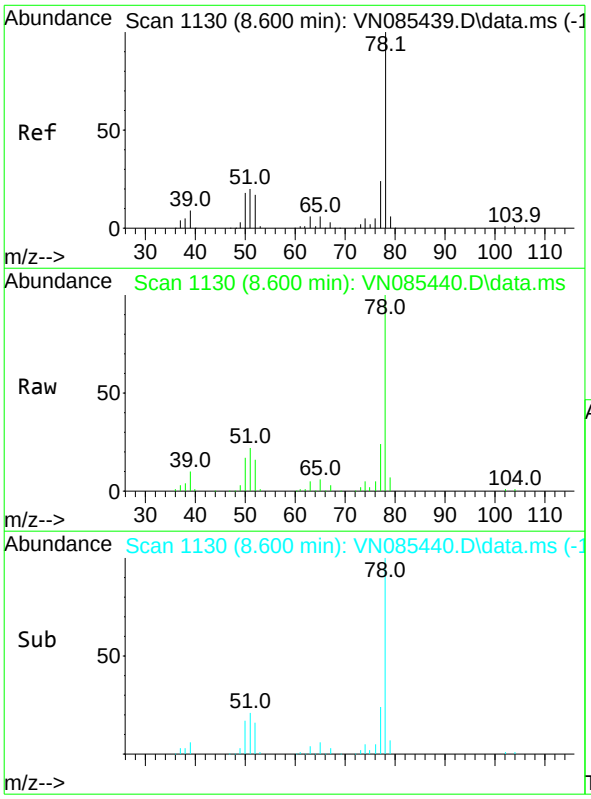
Ion	Ratio	Lower	Upper
83	100		
55	83.4	62.6	94.0
98	46.4	37.7	56.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
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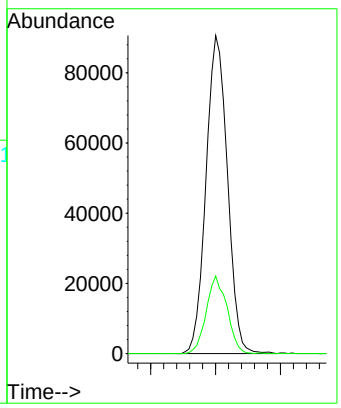
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

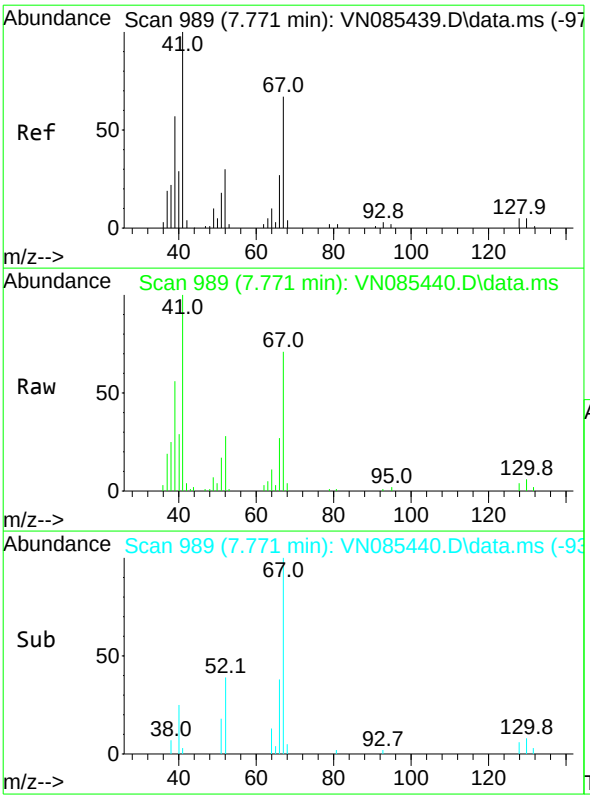


#40
Benzene
Concen: 20.873 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 78 Resp: 207985

Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.0	28.6

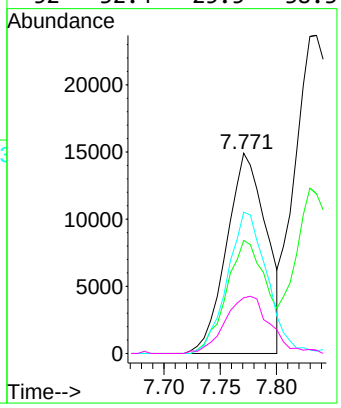




#41
Methacrylonitrile
Concen: 21.004 ug/l
RT: 7.771 min Scan# 98
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 41 Resp: 36578

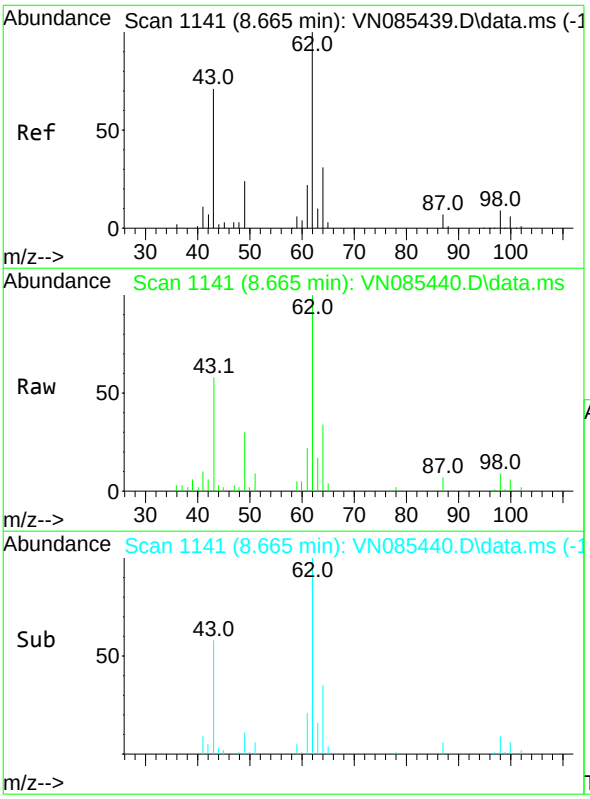
Ion	Ratio	Lower	Upper
41	100		
39	56.6	46.0	69.0
67	70.3	57.4	86.2
52	32.4	25.5	38.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
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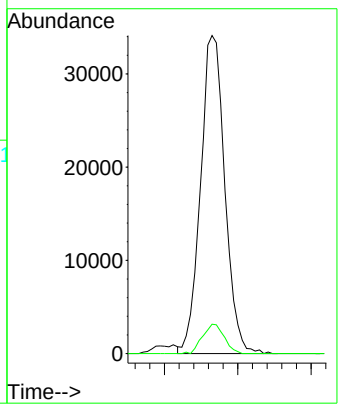
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

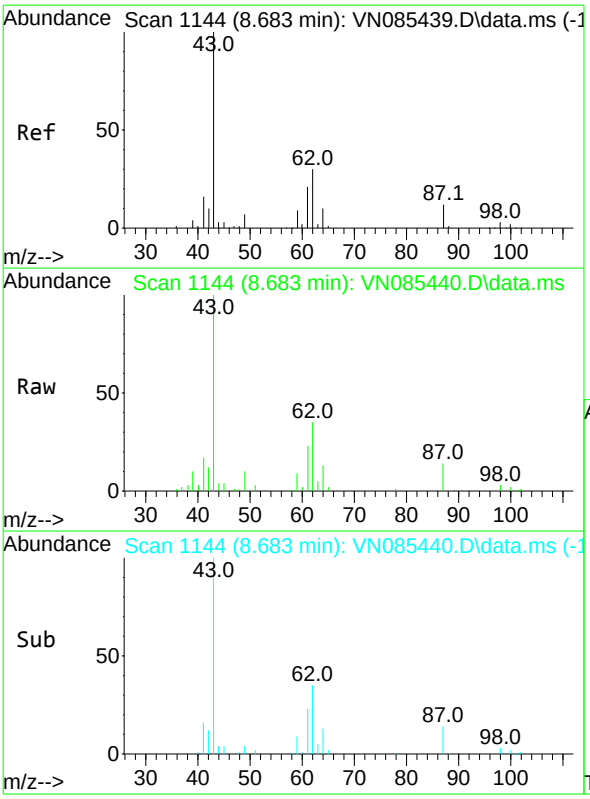


#42
1,2-Dichloroethane
Concen: 20.891 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 62 Resp: 78402

Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	17.0





#43
Isopropyl Acetate
Concen: 20.347 ug/l
RT: 8.683 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

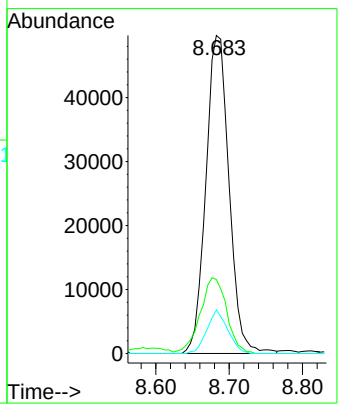
Tgt Ion: 43 Resp: 109131

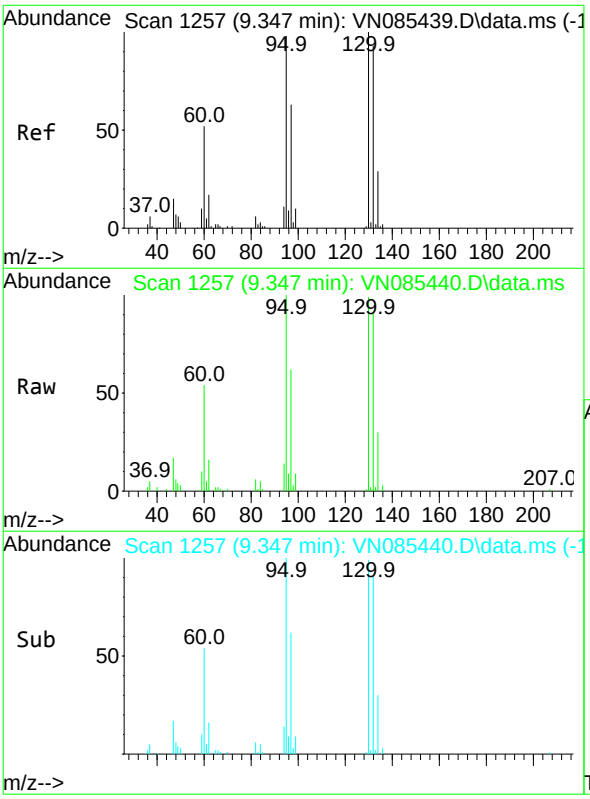
Ion	Ratio	Lower	Upper
43	100		
61	27.2	20.7	31.1
87	12.3	9.8	14.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

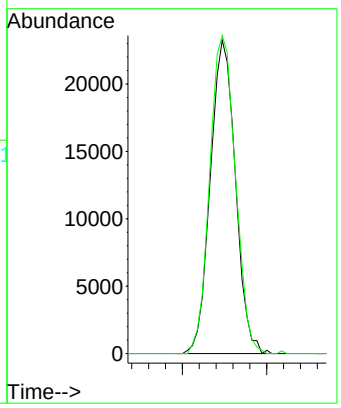


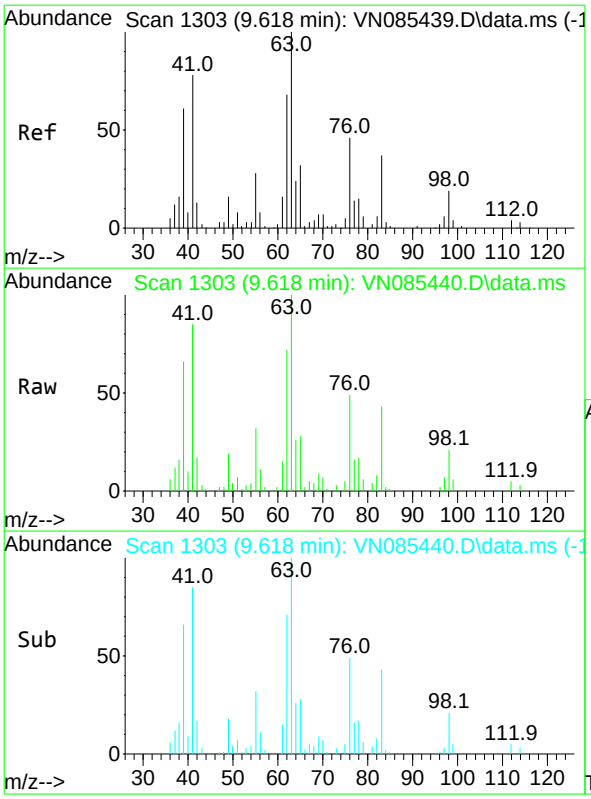


#44
Trichloroethene
Concen: 20.699 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion:130 Resp: 48009

Ion	Ratio	Lower	Upper
130	100		
95	101.5	0.0	195.8

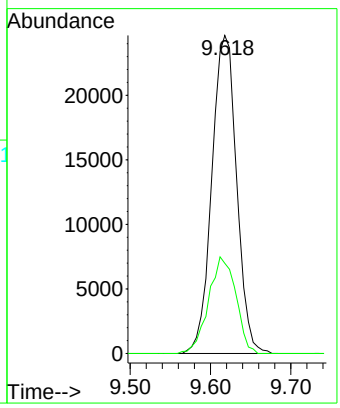




#45
1,2-Dichloropropane
Concen: 20.758 ug/l
RT: 9.618 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 63 Resp: 52833

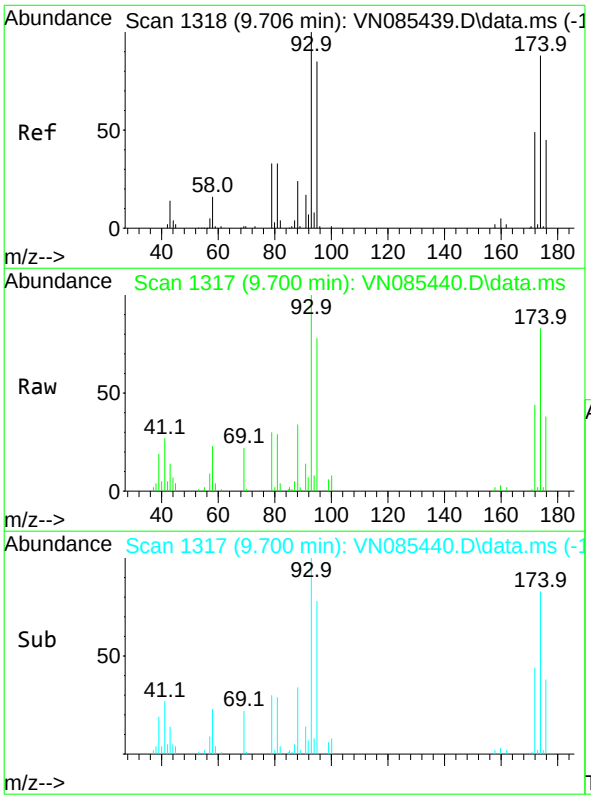
Ion	Ratio	Lower	Upper
63	100		
65	28.3	25.6	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
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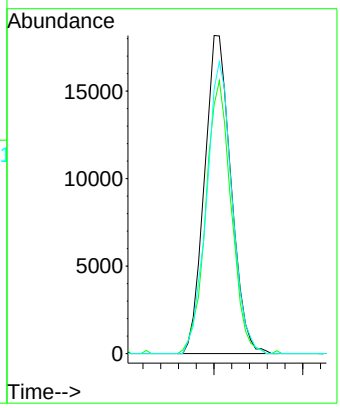
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

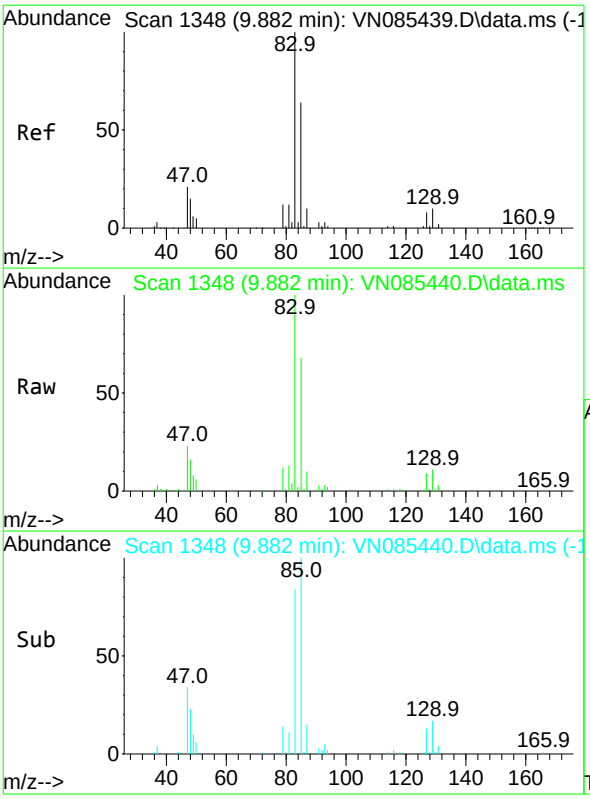


#46
Dibromomethane
Concen: 20.540 ug/l
RT: 9.700 min Scan# 1317
Delta R.T. -0.006 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 93 Resp: 37721

Ion	Ratio	Lower	Upper
93	100		
95	82.0	64.7	97.1
174	88.4	69.0	103.4

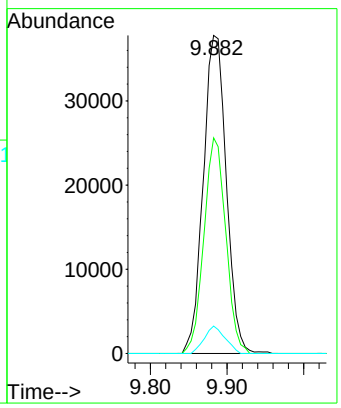




#47
Bromodichloromethane
Concen: 21.093 ug/l
RT: 9.882 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 83 Resp: 78918

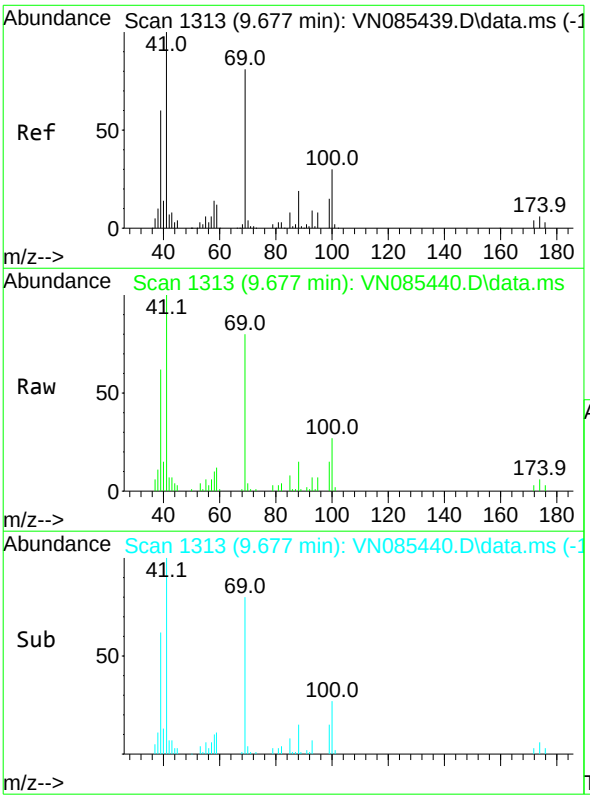
Ion	Ratio	Lower	Upper
83	100		
85	67.8	51.2	76.8
127	8.6	6.5	9.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

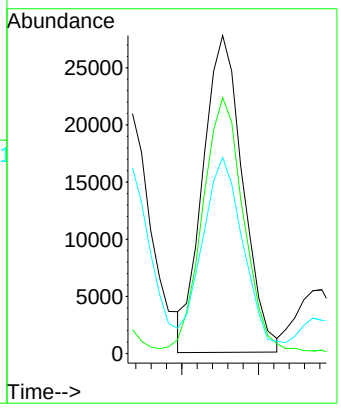
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

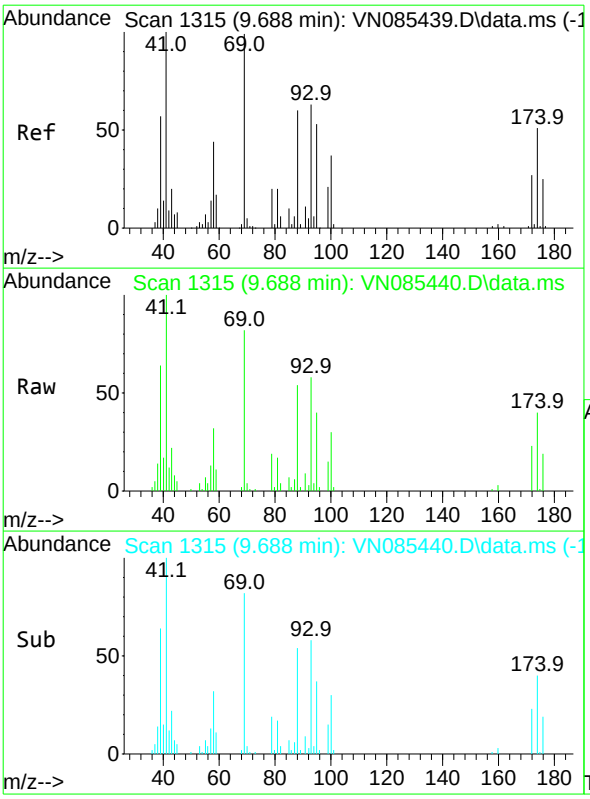


#48
Methyl methacrylate
Concen: 20.808 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 41 Resp: 50224

Ion	Ratio	Lower	Upper
41	100		
69	84.3	64.7	97.1
39	64.2	49.0	73.6

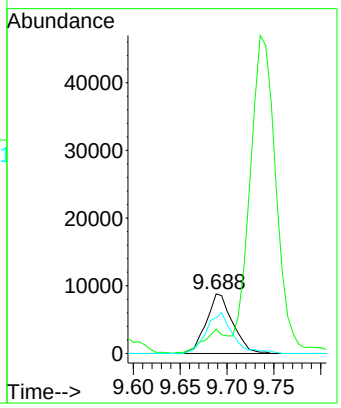




#49
1,4-Dioxane
Concen: 421.686 ug/l
RT: 9.688 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 88 Resp: 17140

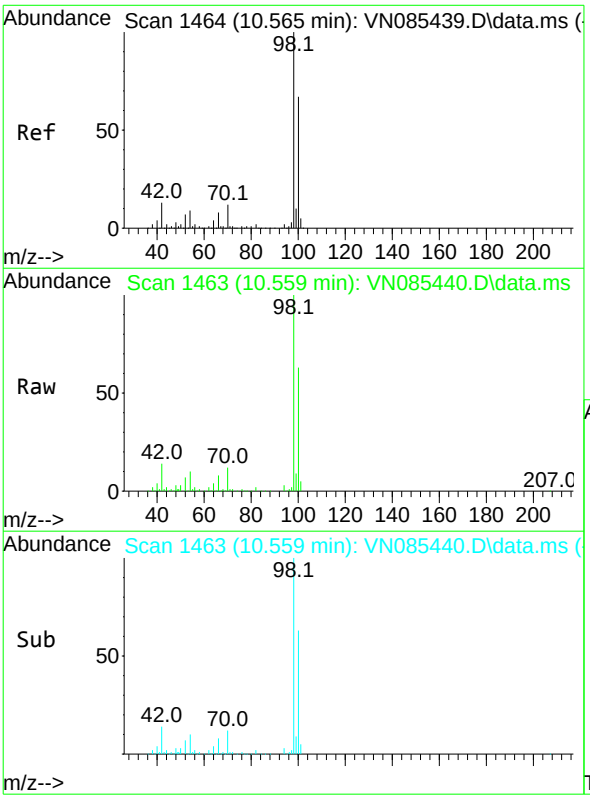
Ion	Ratio	Lower	Upper
88	100		
43	34.9	26.6	39.8
58	69.0	59.5	89.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

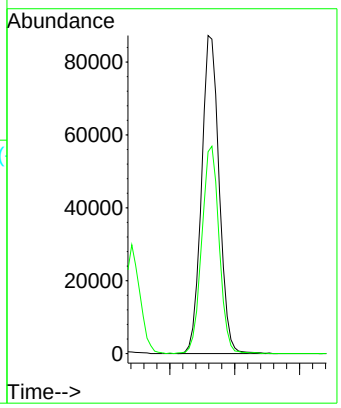
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

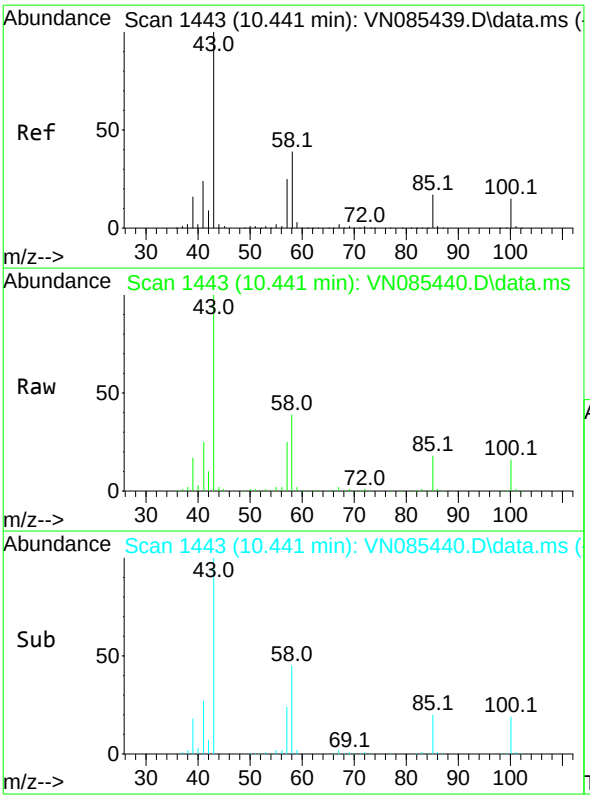


#50
Toluene-d8
Concen: 19.581 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. -0.006 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 98 Resp: 164391

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.2	78.4





#51
4-Methyl-2-Pentanone
Concen: 108.249 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

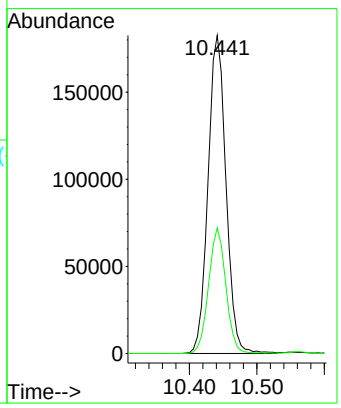
Tgt Ion: 43 Resp: 336911

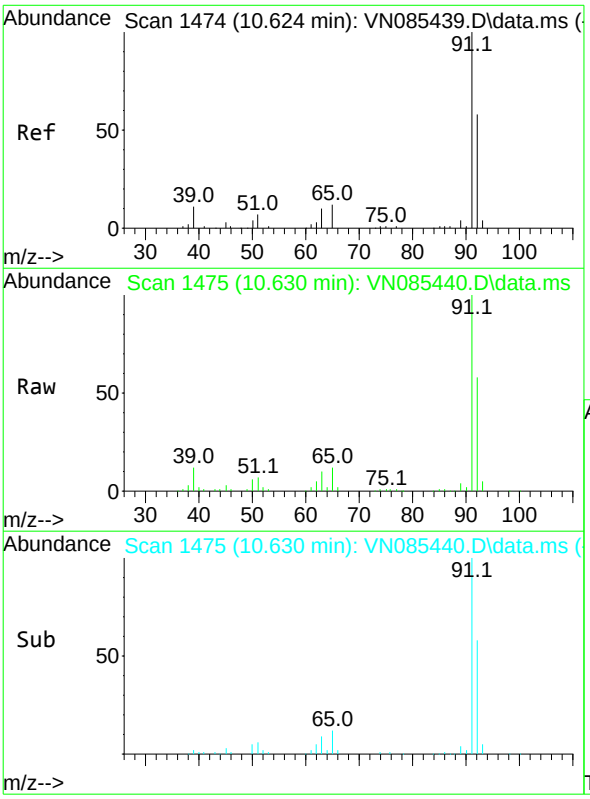
Ion	Ratio	Lower	Upper
43	100		
58	38.1	30.5	45.7

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

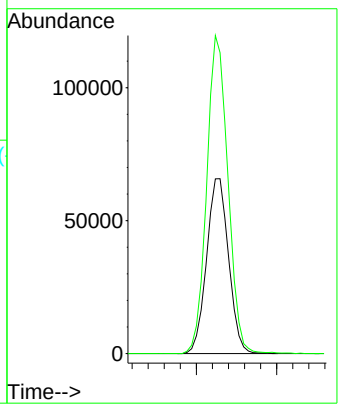


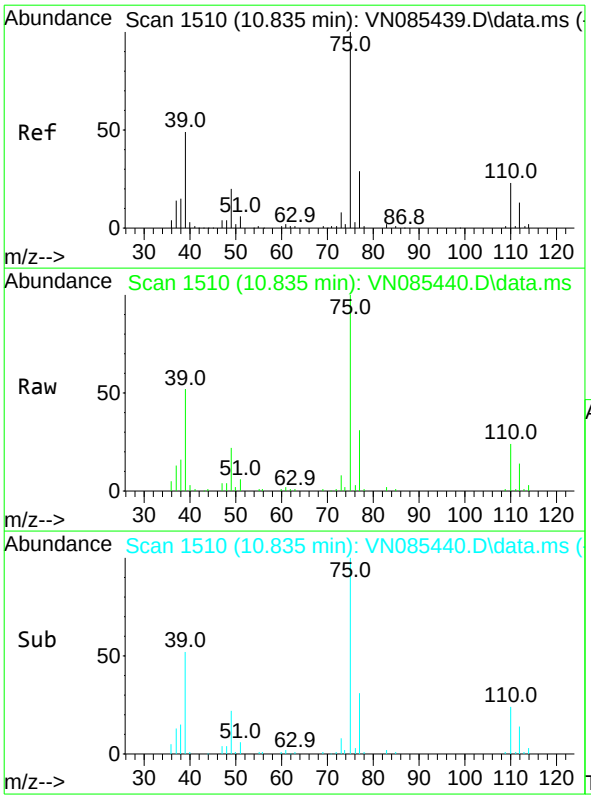


#52
Toluene
Concen: 21.680 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.005 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 92 Resp: 125172

Ion	Ratio	Lower	Upper
92	100		
91	175.1	139.2	208.8

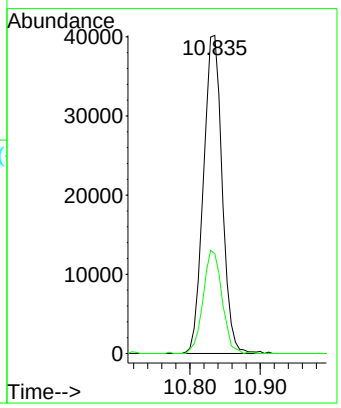




#53
t-1,3-Dichloropropene
Concen: 20.965 ug/l
RT: 10.835 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 75 Resp: 74129

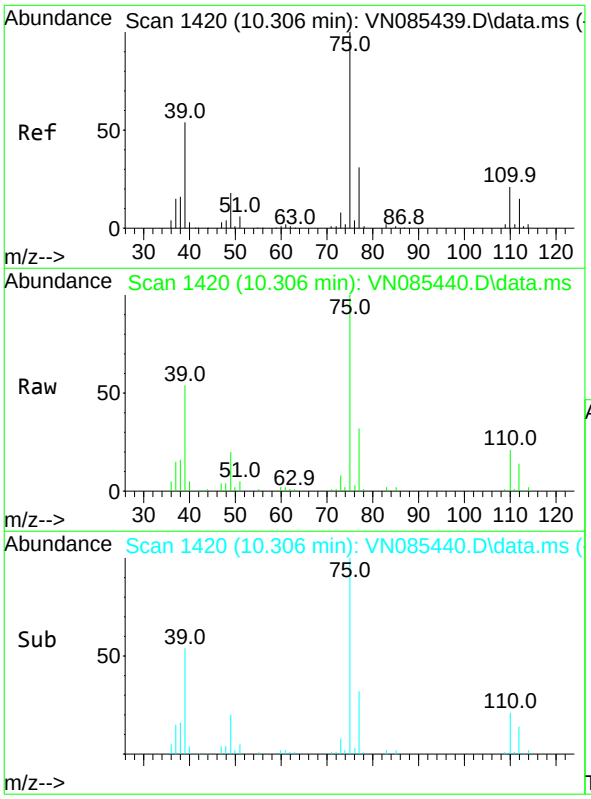
Ion	Ratio	Lower	Upper
75	100		
77	31.4	23.5	35.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
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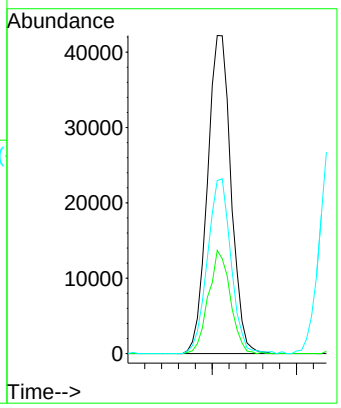
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

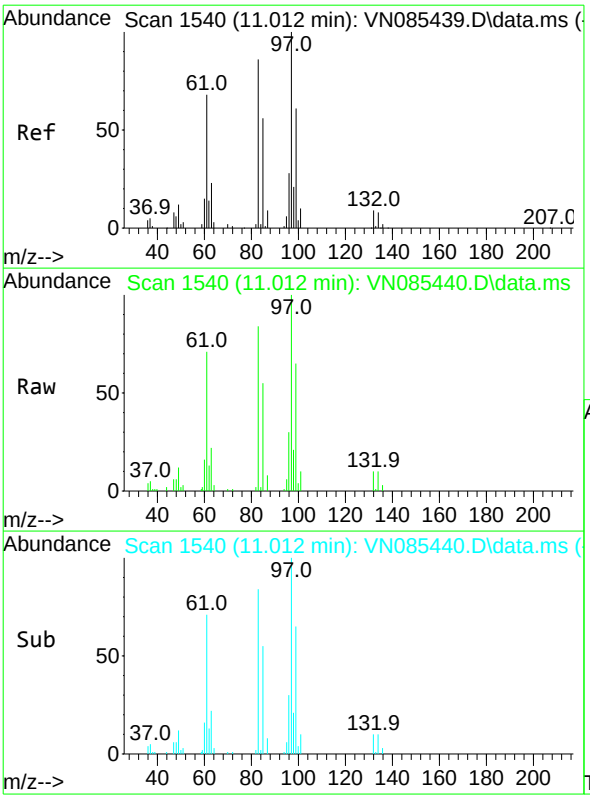


#54
cis-1,3-Dichloropropene
Concen: 21.684 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 75 Resp: 81897

Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.0	37.4
39	54.4	43.1	64.7

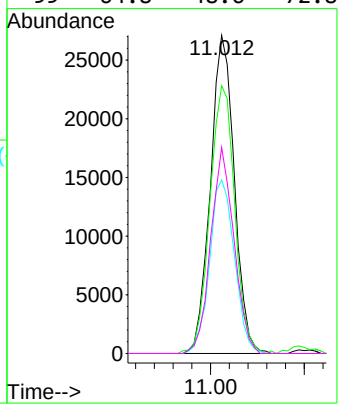




#55
1,1,2-Trichloroethane
Concen: 21.025 ug/l
RT: 11.012 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 97 Resp: 48039

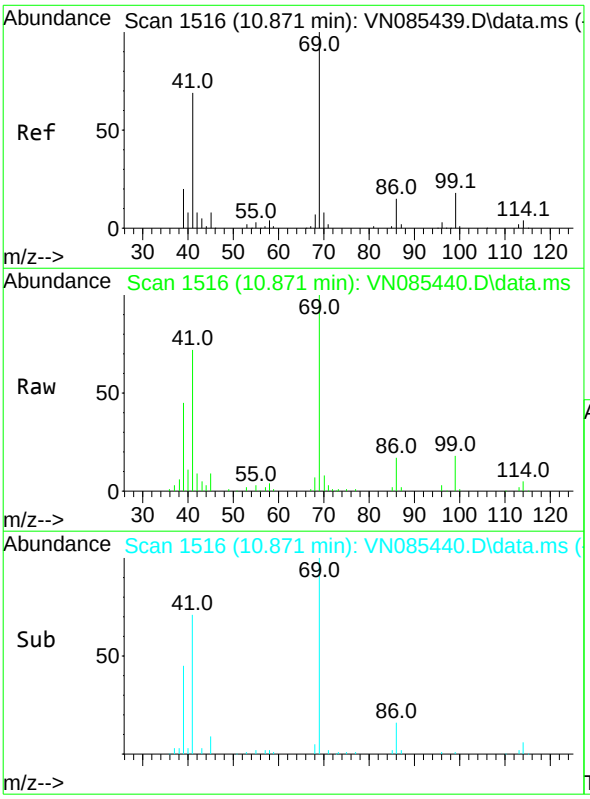
Ion	Ratio	Lower	Upper
97	100		
83	84.1	69.0	103.6
85	54.6	44.6	66.8
99	64.8	48.6	72.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

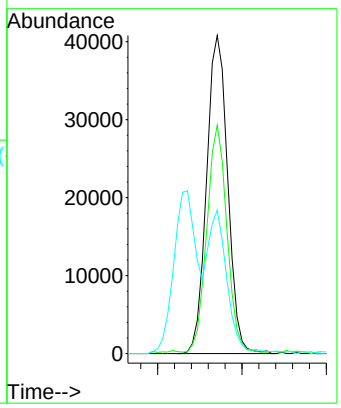
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

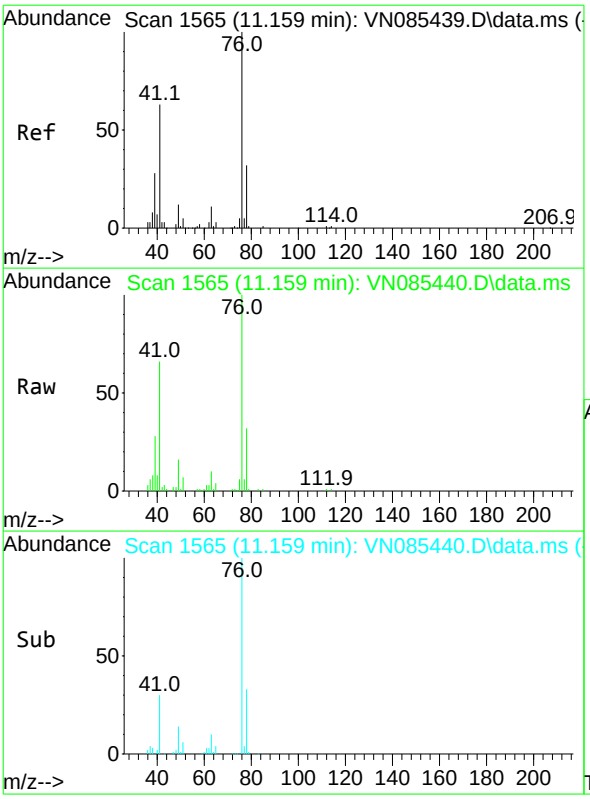


#56
Ethyl methacrylate
Concen: 19.649 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 69 Resp: 70934

Ion	Ratio	Lower	Upper
69	100		
41	67.6	54.6	82.0
39	41.7	32.4	48.6





#57
1,3-Dichloropropane
Concen: 21.196 ug/l
RT: 11.159 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

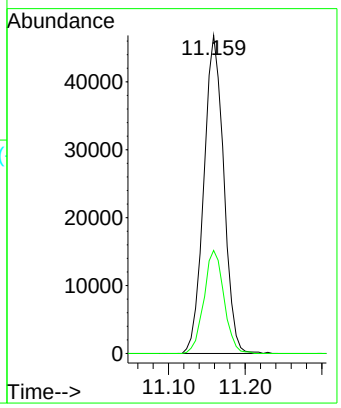
Tgt Ion: 76 Resp: 84210

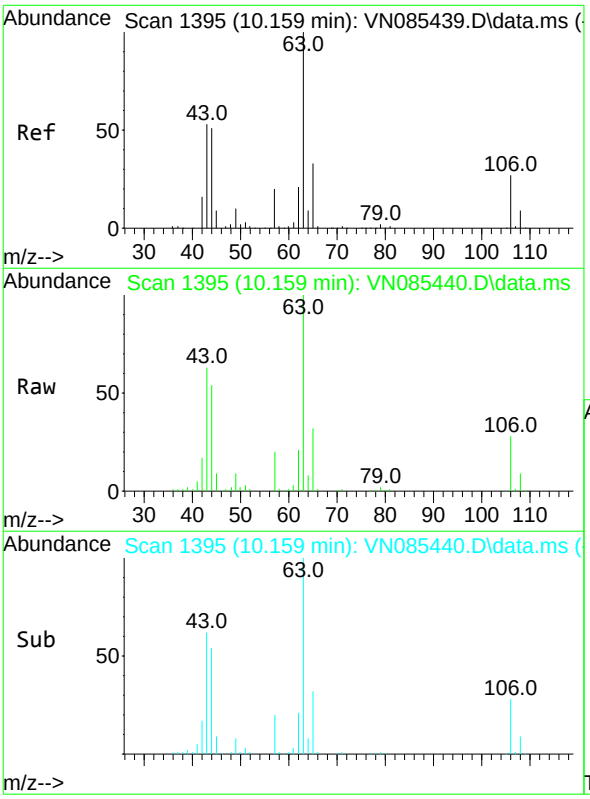
Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.6	38.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

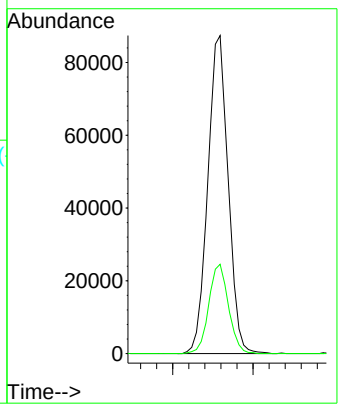


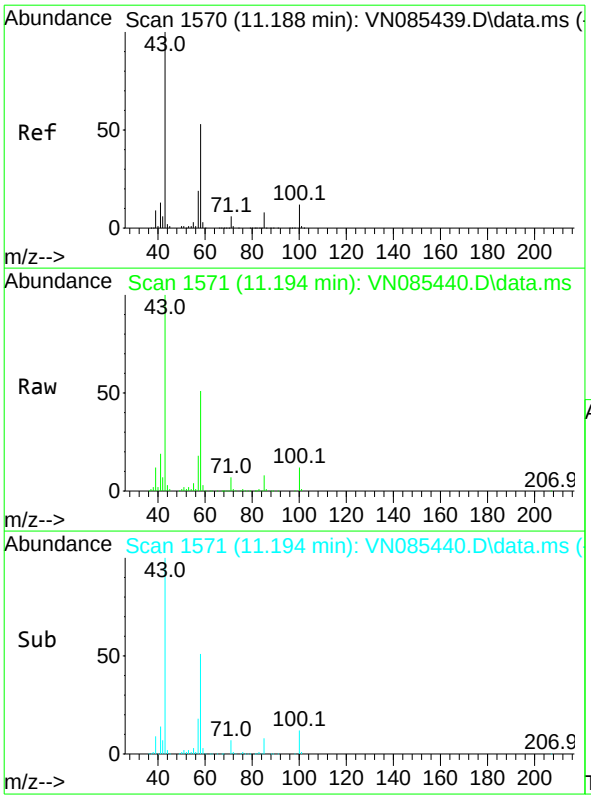


#58
2-Chloroethyl Vinyl ether
Concen: 105.991 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 63 Resp: 153681

Ion	Ratio	Lower	Upper
63	100		
106	27.2	21.6	32.4





#59
2-Hexanone
Concen: 109.863 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

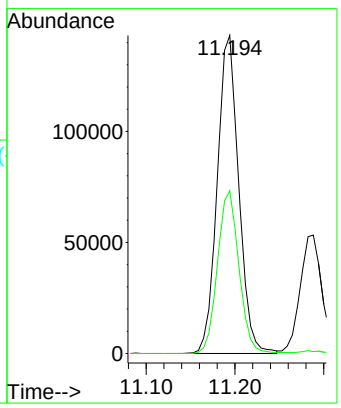
Tgt Ion: 43 Resp: 240595

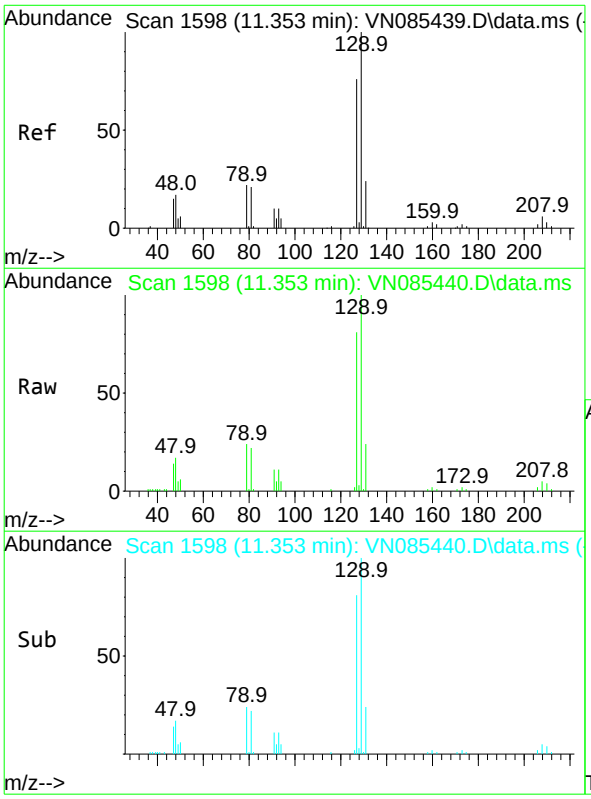
Ion	Ratio	Lower	Upper
43	100		
58	51.1	26.2	78.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

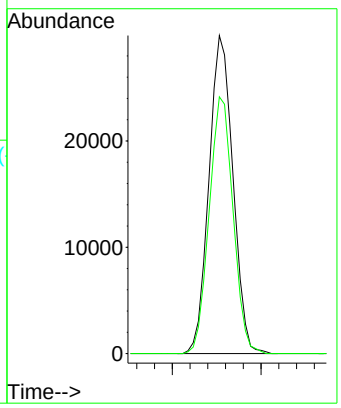


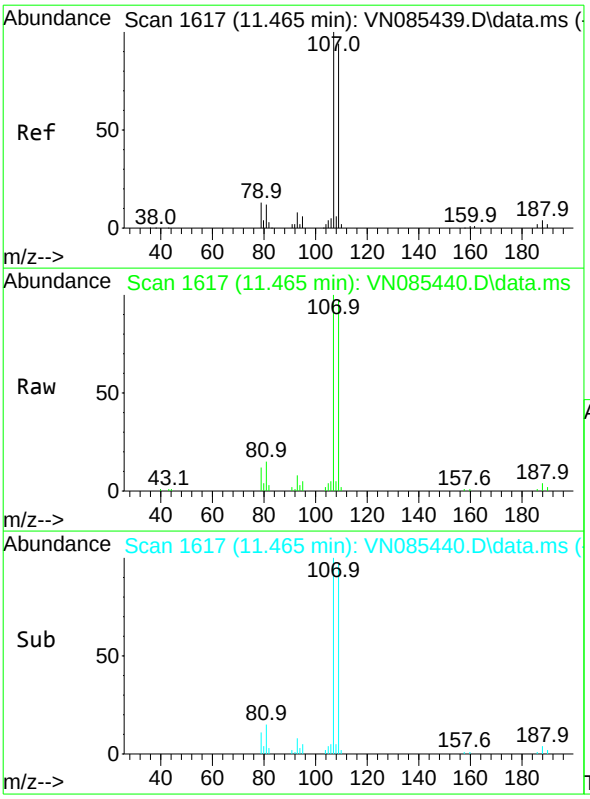


#60
Dibromochloromethane
Concen: 20.326 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion:129 Resp: 56069

Ion	Ratio	Lower	Upper
129	100		
127	80.4	38.6	115.8

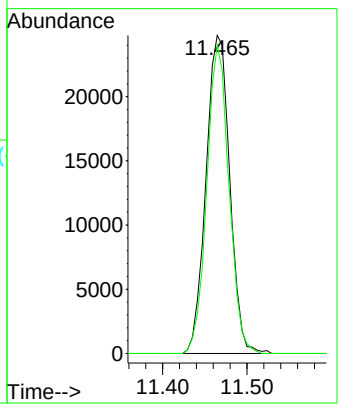




#61
1,2-Dibromoethane
Concen: 21.309 ug/l
RT: 11.465 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion:107 Resp: 48465

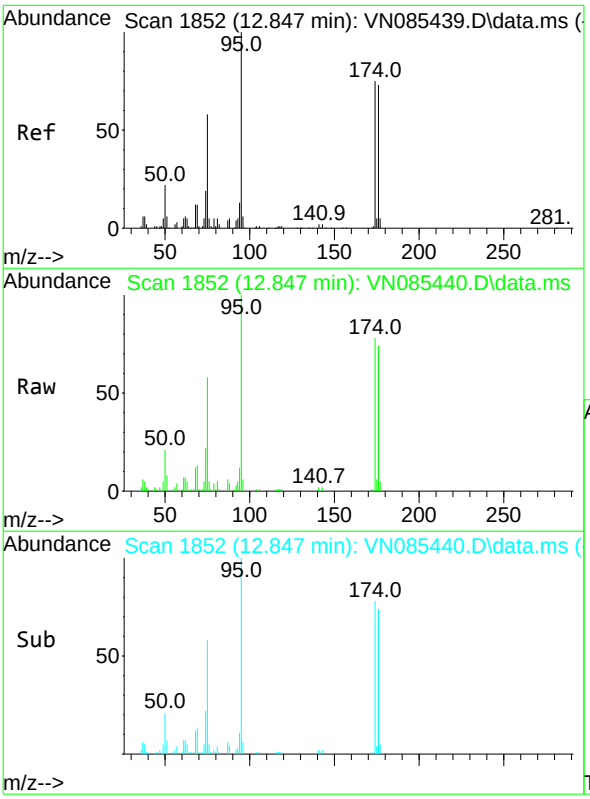
Ion	Ratio	Lower	Upper
107	100		
109	90.6	75.9	113.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

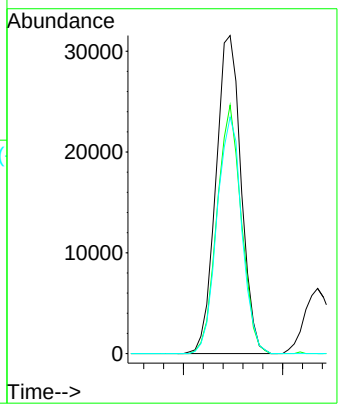
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

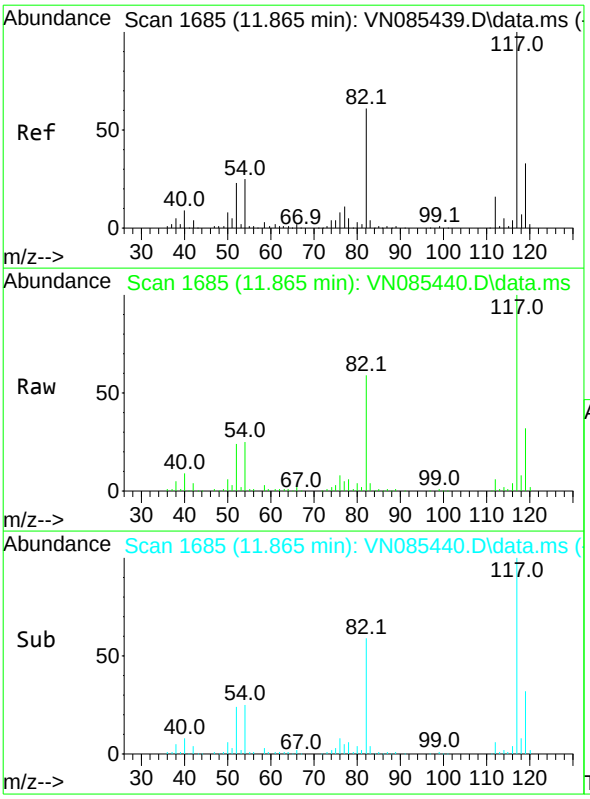


#62
4-Bromofluorobenzene
Concen: 19.430 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 95 Resp: 55798

Ion	Ratio	Lower	Upper
95	100		
174	75.2	0.0	145.0
176	73.2	0.0	142.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

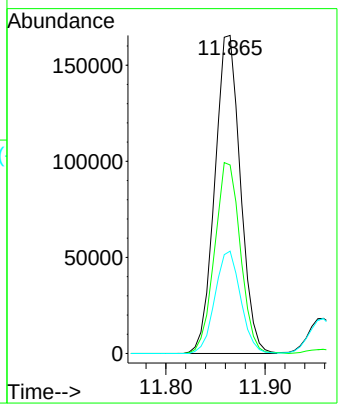
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

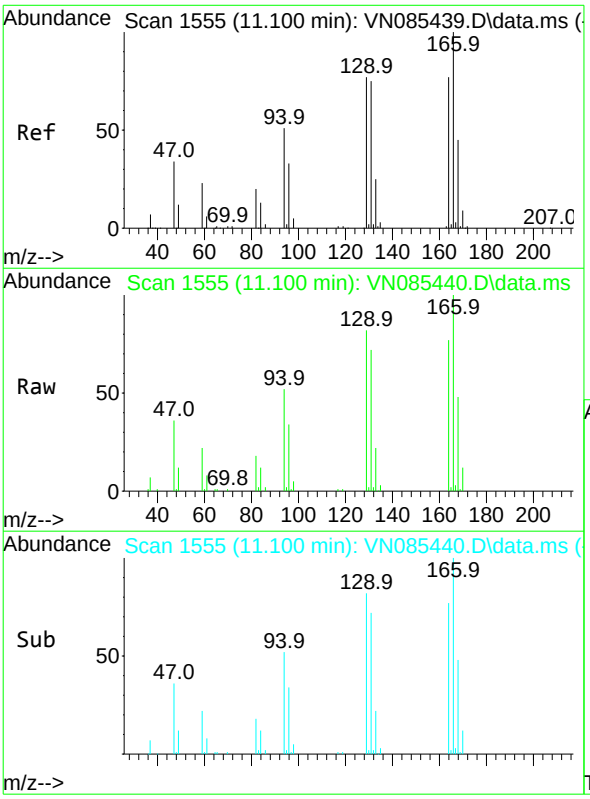
Tgt Ion:117 Resp: 296298

Ion	Ratio	Lower	Upper
117	100		
82	59.3	48.6	72.8
119	32.2	26.6	39.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

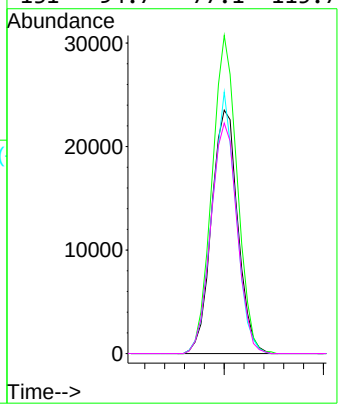


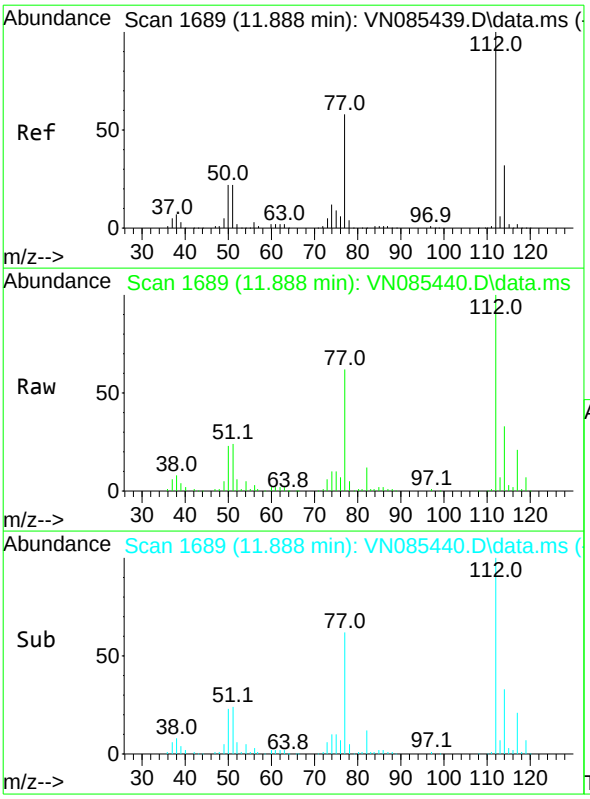


#64
Tetrachloroethene
Concen: 21.408 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion:164 Resp: 43243

Ion	Ratio	Lower	Upper
164	100		
166	130.6	103.4	155.2
129	107.4	79.2	118.8
131	94.7	77.1	115.7

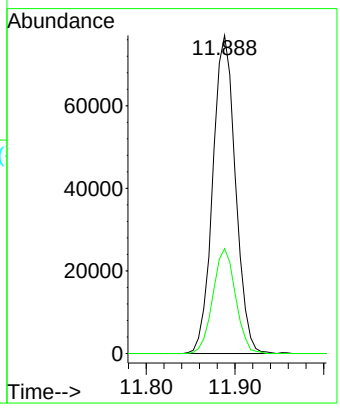




#65
Chlorobenzene
Concen: 21.077 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion:112 Resp: 136809

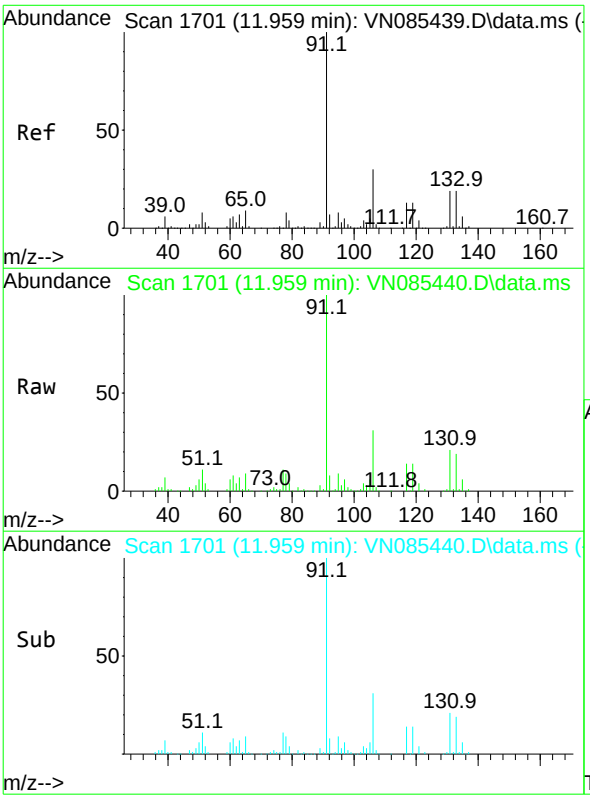
Ion	Ratio	Lower	Upper
112	100		
114	32.9	25.3	37.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

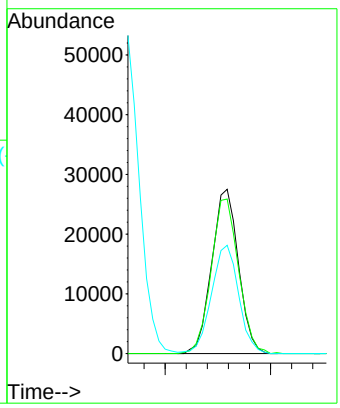
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

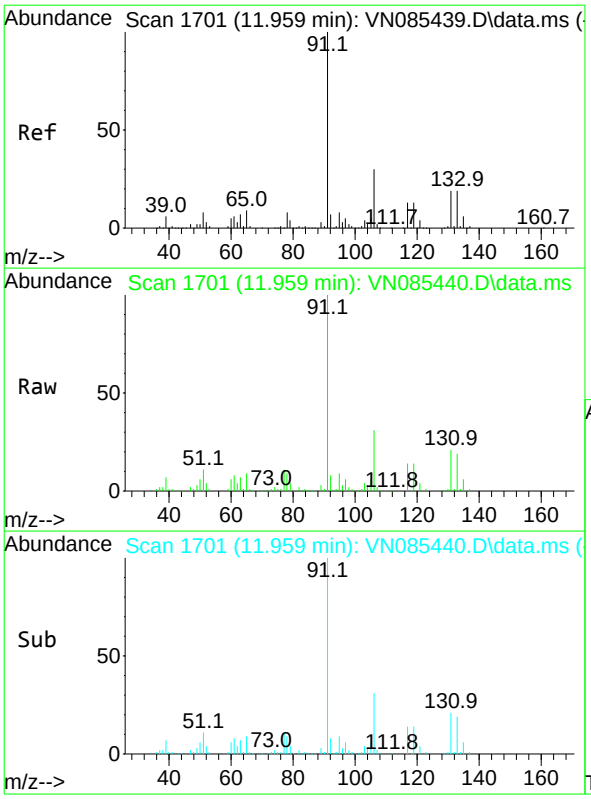


#66
1,1,1,2-Tetrachloroethane
Concen: 20.304 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion:131 Resp: 48370

Ion	Ratio	Lower	Upper
131	100		
133	96.9	47.4	142.3
119	67.2	33.1	99.5

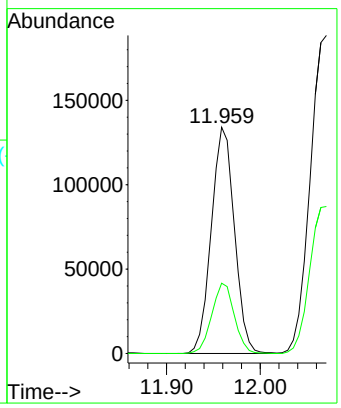




#67
Ethyl Benzene
Concen: 21.753 ug/l
RT: 11.959 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 91 Resp: 229978

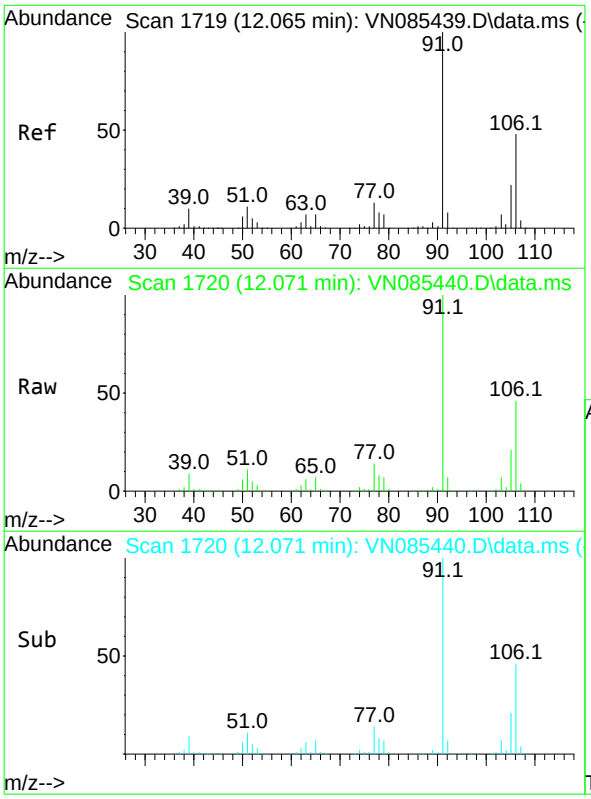
Ion	Ratio	Lower	Upper
91	100		
106	31.1	23.8	35.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

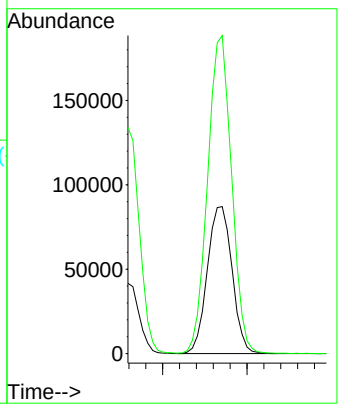
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

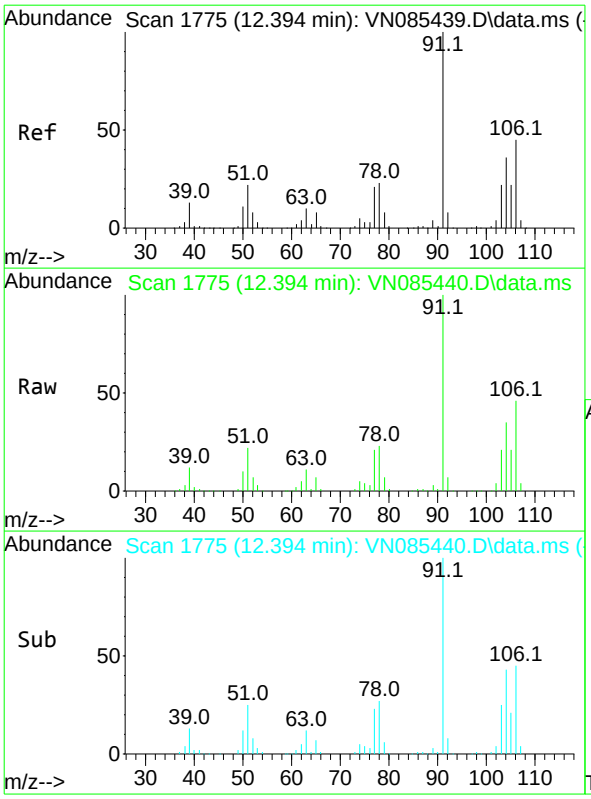


#68
m/p-Xylenes
Concen: 45.494 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.006 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion:106 Resp: 177755

Ion	Ratio	Lower	Upper
106	100		
91	209.3	167.7	251.5

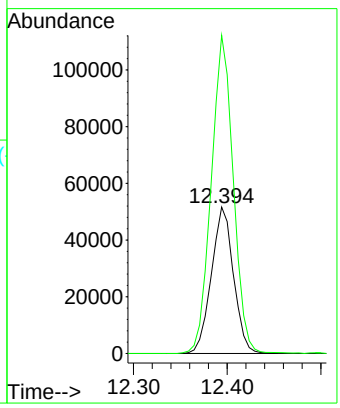




#69
o-Xylene
Concen: 22.643 ug/l
RT: 12.394 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion:106 Resp: 84548

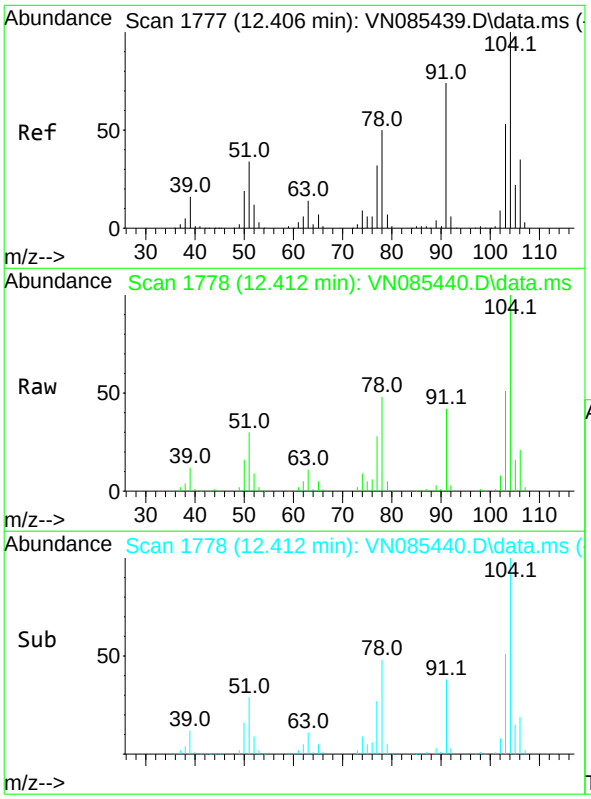
Ion	Ratio	Lower	Upper
106	100		
91	217.0	110.4	331.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

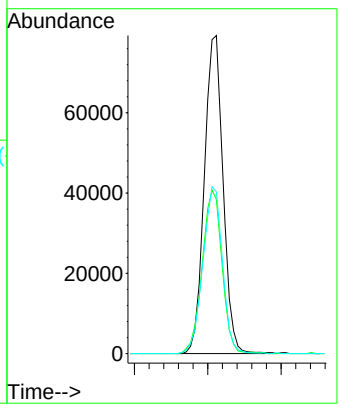
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

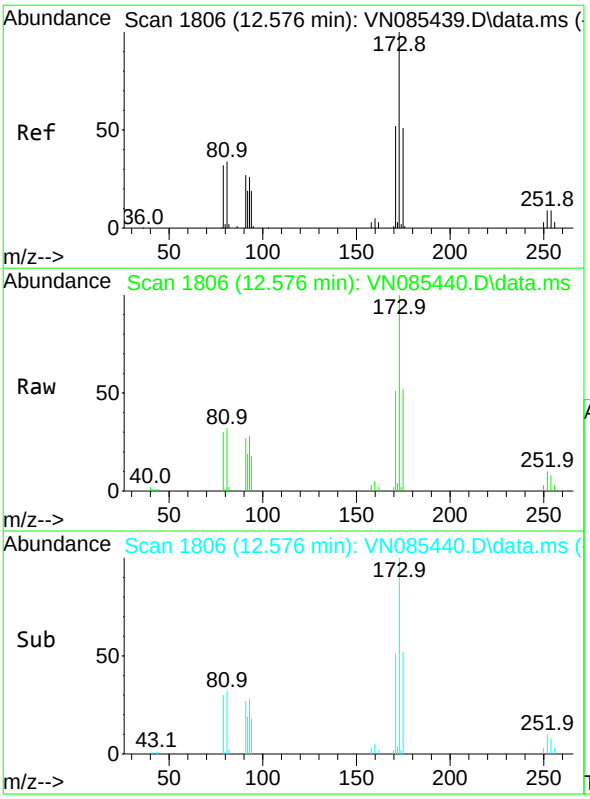


#70
Styrene
Concen: 22.749 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion:104 Resp: 140581

Ion	Ratio	Lower	Upper
104	100		
78	54.4	42.5	63.7
103	54.8	43.8	65.8

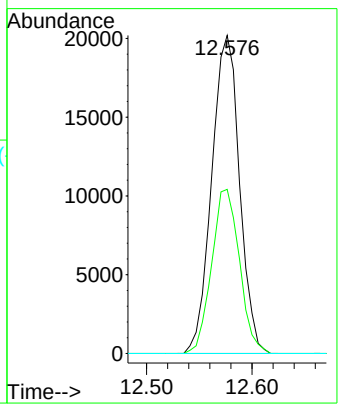




#71
Bromoform
Concen: 21.683 ug/l
RT: 12.576 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion:173 Resp: 36961

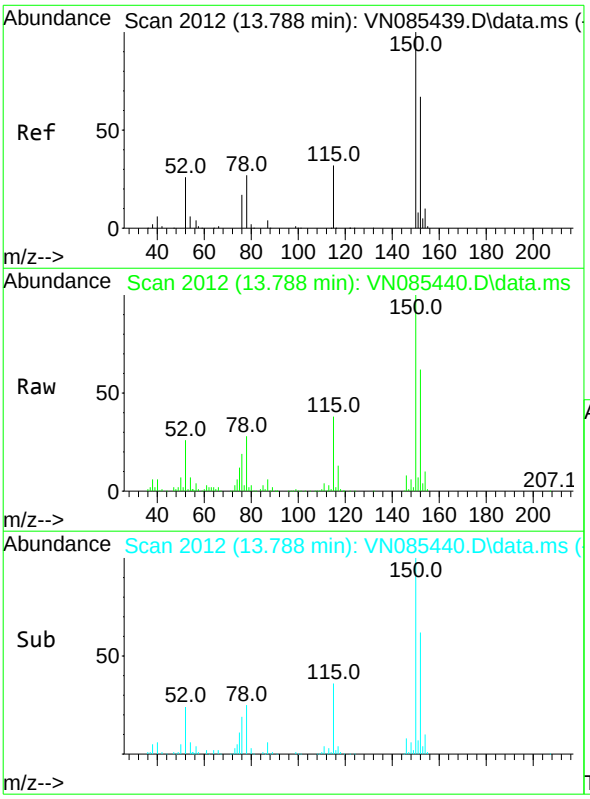
Ion	Ratio	Lower	Upper
173	100		
175	51.7	24.4	73.2
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

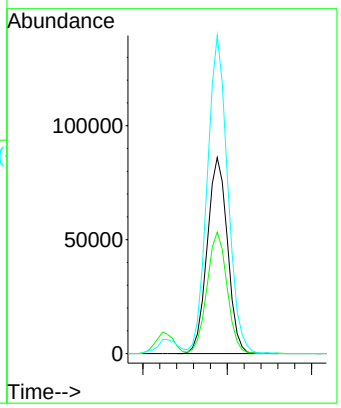
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

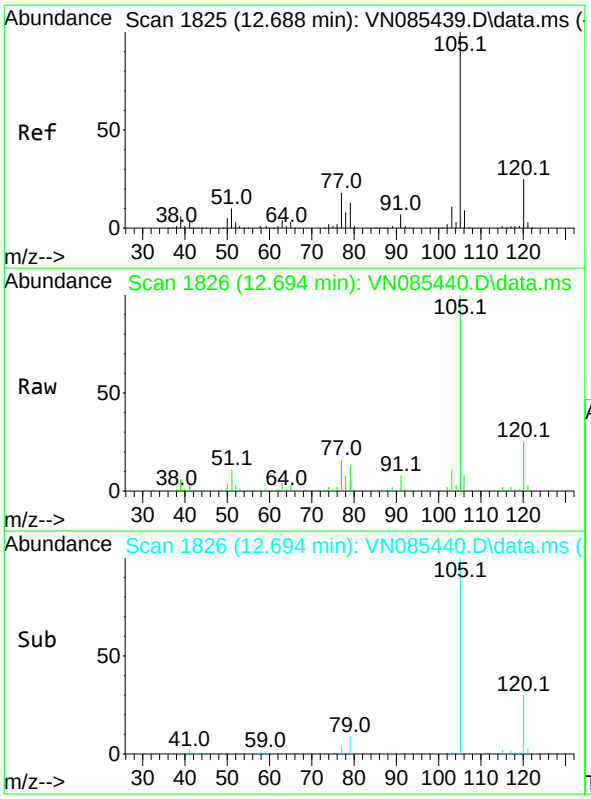


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion:152 Resp: 143526

Ion	Ratio	Lower	Upper
152	100		
115	61.4	31.1	93.3
150	163.9	0.0	343.6

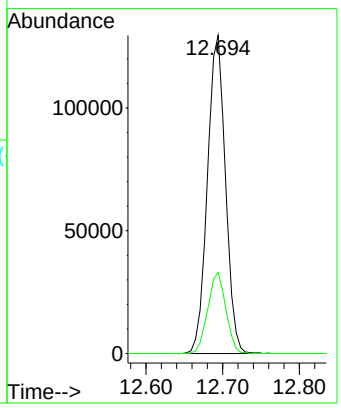




#73
Isopropylbenzene
Concen: 21.819 ug/l
RT: 12.694 min Scan# 18
Delta R.T. 0.006 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion:105 Resp: 211354

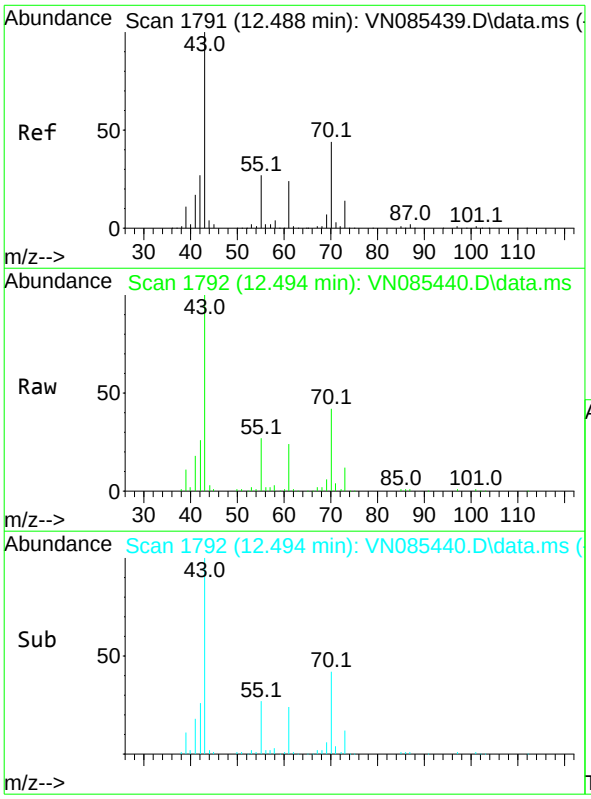
Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.8	38.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

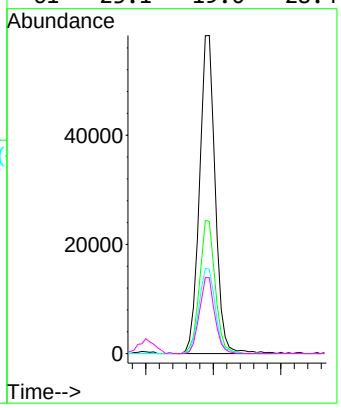
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

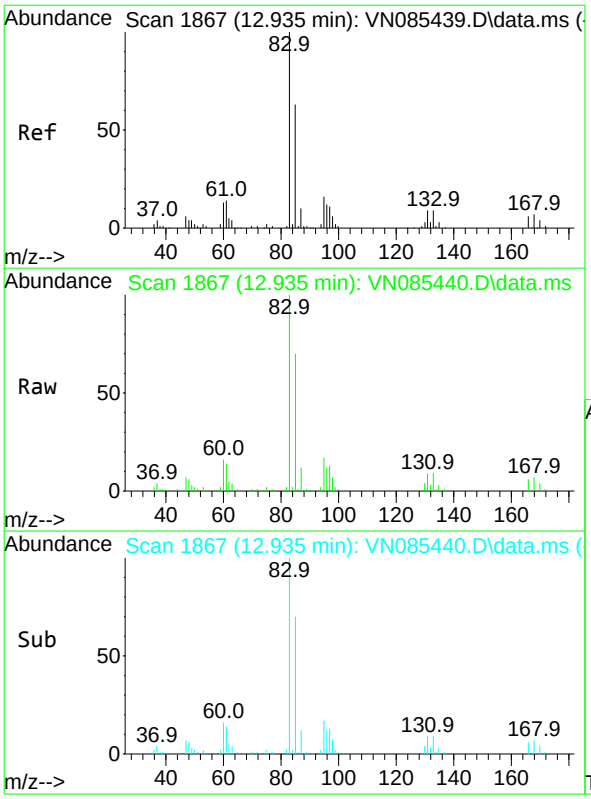


#74
N-amyl acetate
Concen: 21.656 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 43 Resp: 94292

Ion	Ratio	Lower	Upper
43	100		
70	41.4	34.0	51.0
55	27.9	21.4	32.2
61	23.1	19.0	28.4





#75
1,1,2,2-Tetrachloroethane
Concen: 19.917 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

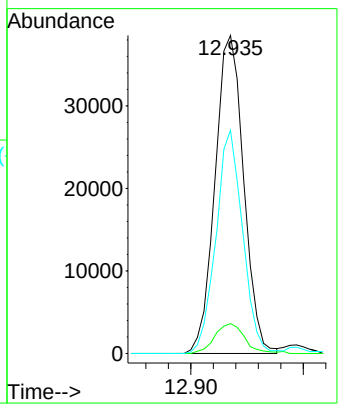
Tgt Ion: 83 Resp: 68151

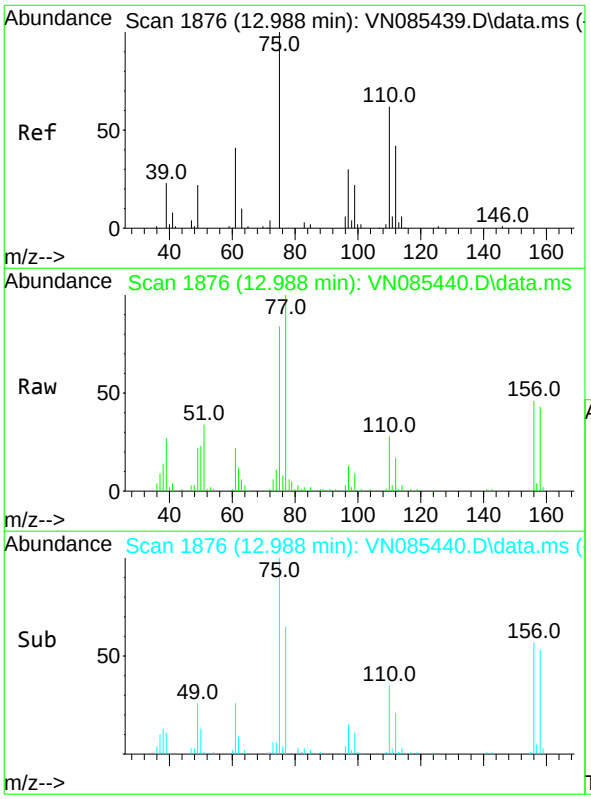
Ion	Ratio	Lower	Upper
83	100		
131	9.9	4.8	14.4
85	65.5	32.2	96.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

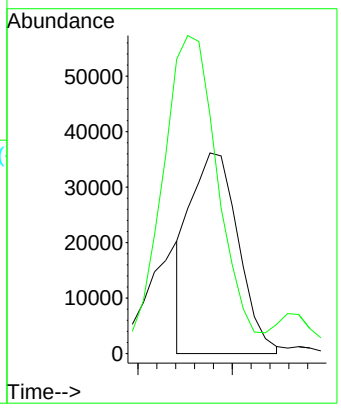


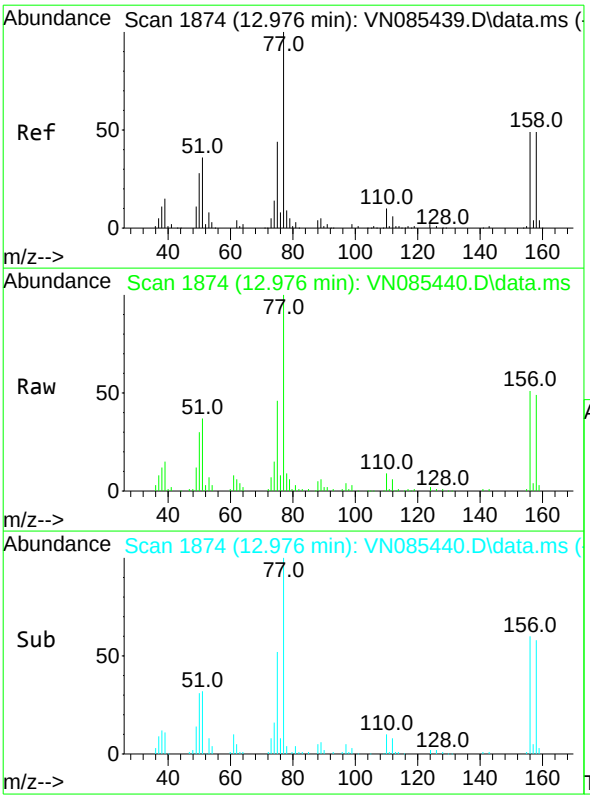


#76
1,2,3-Trichloropropane
Concen: 22.036 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 75 Resp: 64180

Ion	Ratio	Lower	Upper
75	100		
77	186.8	109.7	329.2





#77
Bromobenzene
Concen: 20.556 ug/l
RT: 12.976 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

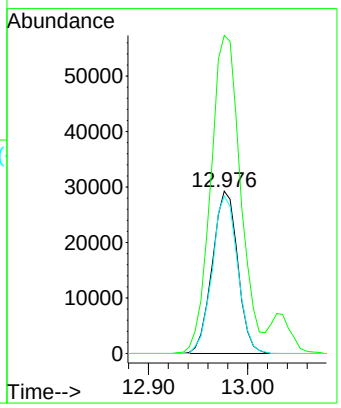
Tgt Ion:156 Resp: 52022

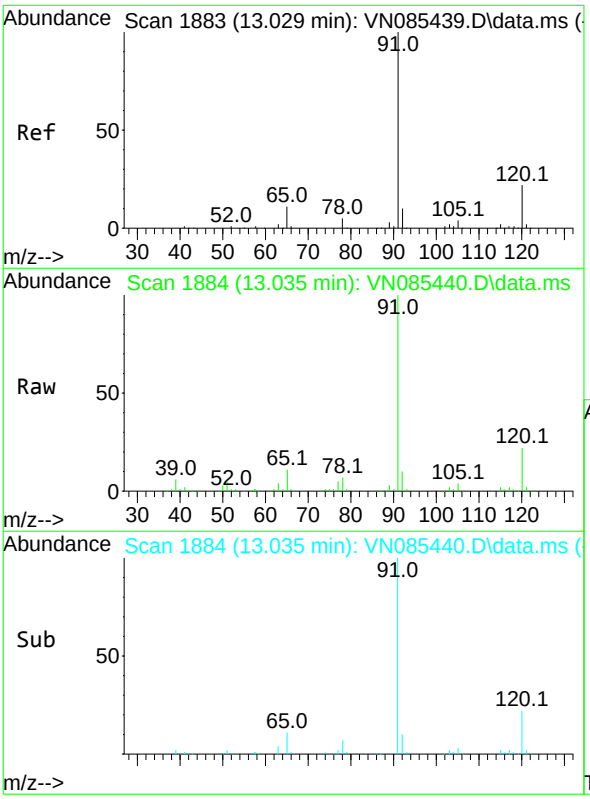
Ion	Ratio	Lower	Upper
156	100		
77	230.4	114.1	342.4
158	97.0	48.9	146.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

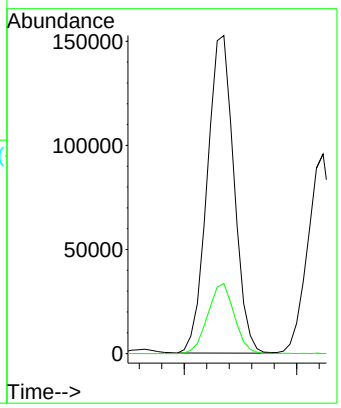


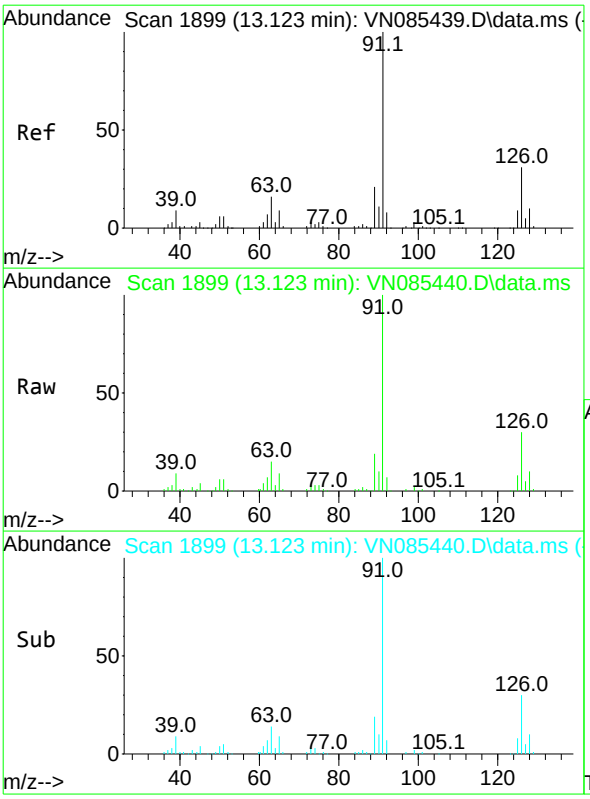


#78
n-propylbenzene
Concen: 22.028 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.006 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 91 Resp: 252610

Ion	Ratio	Lower	Upper
91	100		
120	21.8	10.9	32.6

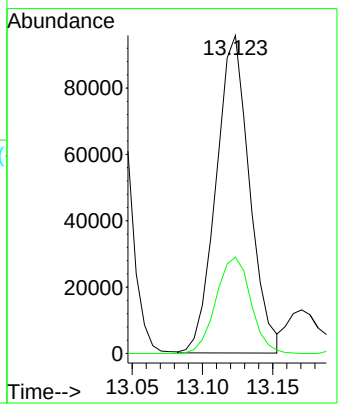




#79
2-Chlorotoluene
Concen: 21.358 ug/l
RT: 13.123 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 91 Resp: 158511

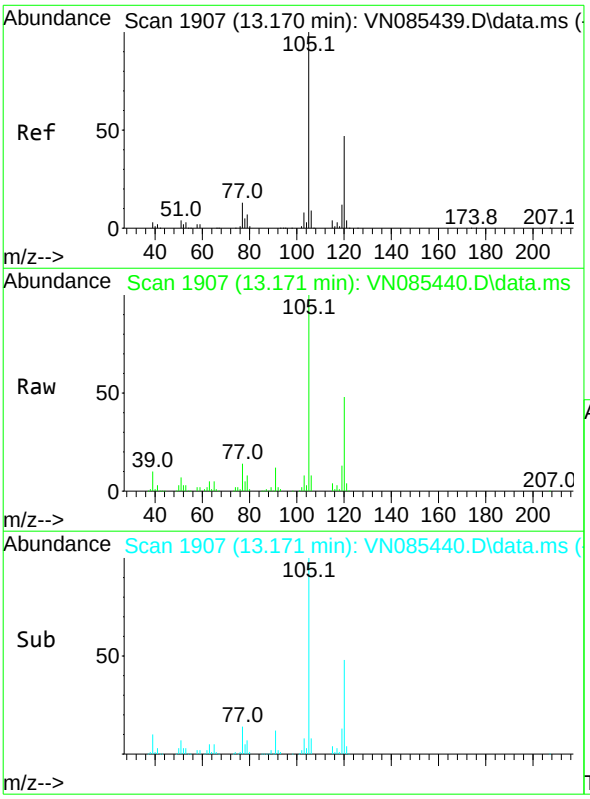
Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

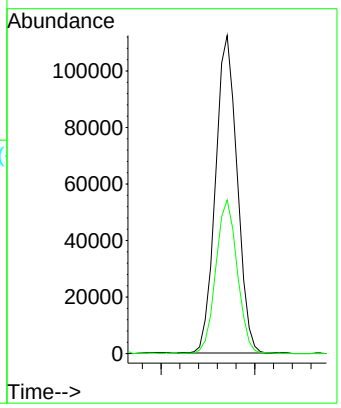
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

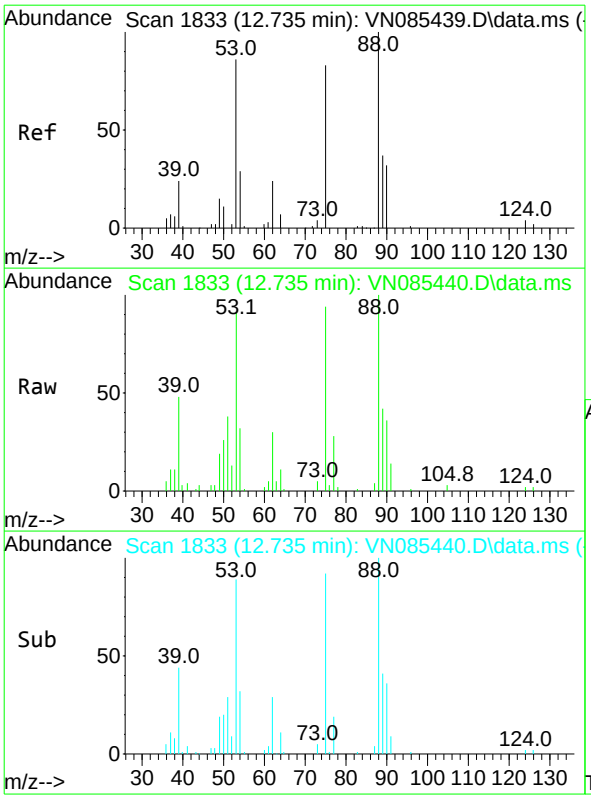


#80
1,3,5-Trimethylbenzene
Concen: 22.533 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion:105 Resp: 180294

Ion	Ratio	Lower	Upper
105	100		
120	47.9	23.9	71.7

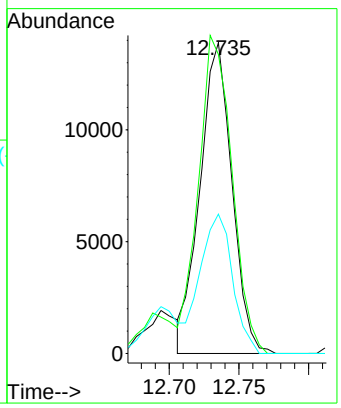




#81
trans-1,4-Dichloro-2-butene
Concen: 20.569 ug/l m
RT: 12.735 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 75 Resp: 22178

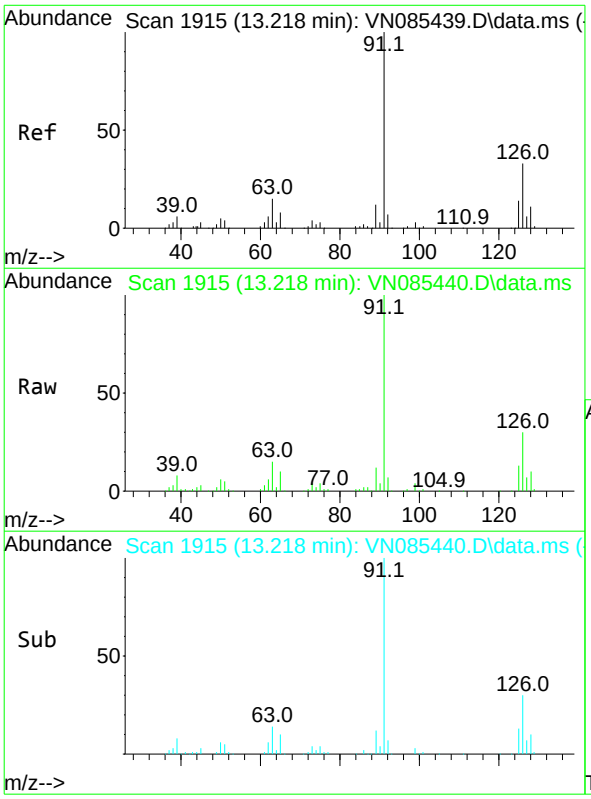
Ion	Ratio	Lower	Upper
75	100		
53	107.2	95.6	143.4
89	46.9	37.0	55.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

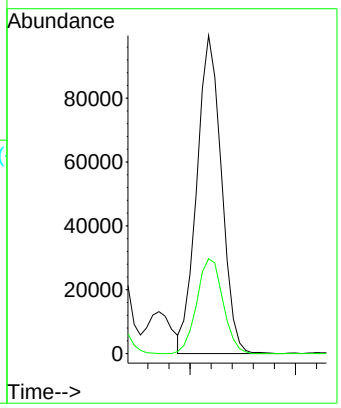
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

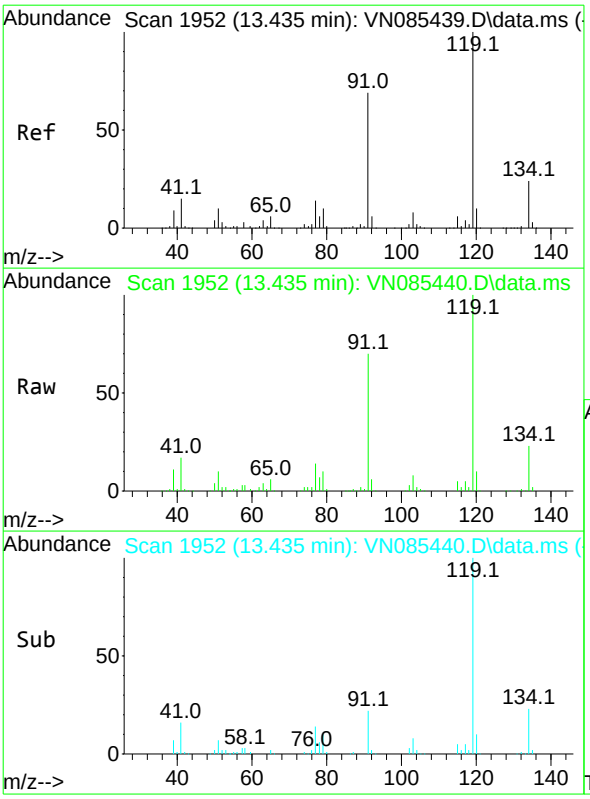


#82
4-Chlorotoluene
Concen: 21.906 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 91 Resp: 161880

Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.9	47.7

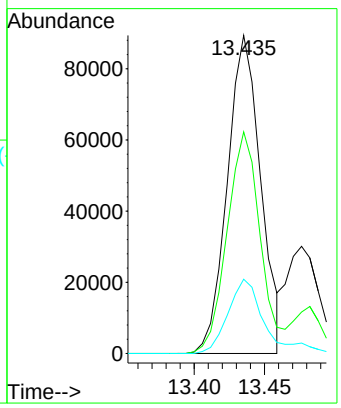




#83
tert-Butylbenzene
Concen: 21.958 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion:119 Resp: 147541

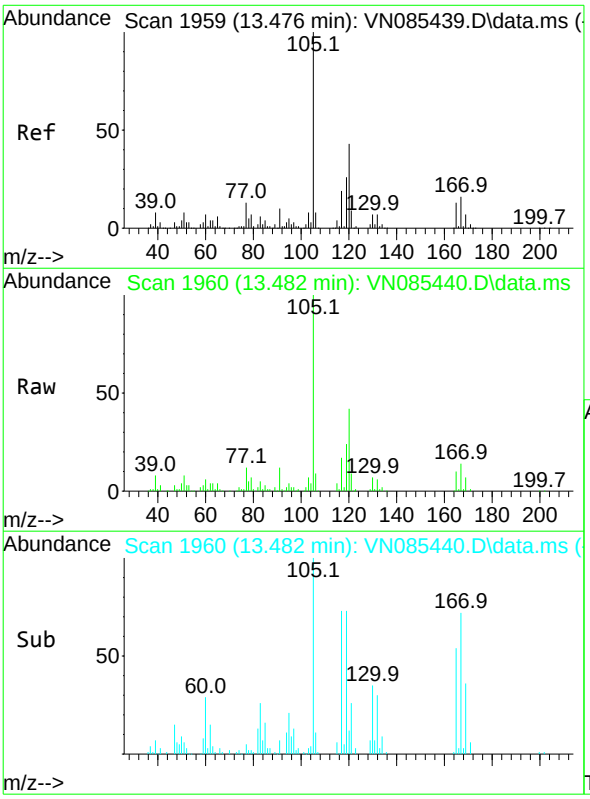
Ion	Ratio	Lower	Upper
119	100		
91	69.5	35.1	105.3
134	25.5	12.0	36.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

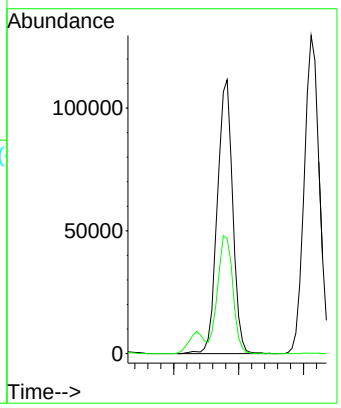
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

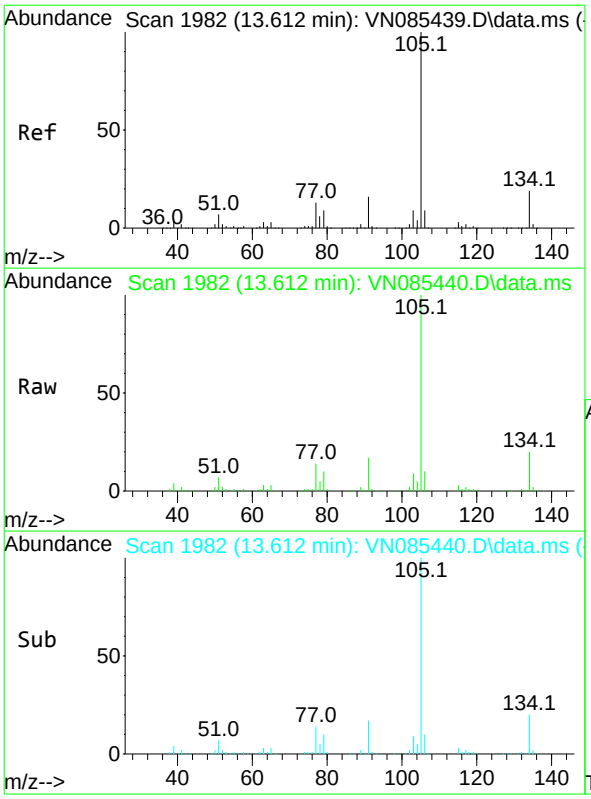


#84
1,2,4-Trimethylbenzene
Concen: 22.965 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion:105 Resp: 183144

Ion	Ratio	Lower	Upper
105	100		
120	42.8	21.6	65.0

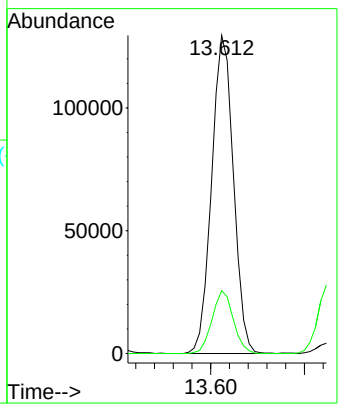




#85
sec-Butylbenzene
Concen: 22.457 ug/l
RT: 13.612 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion:105 Resp: 209133

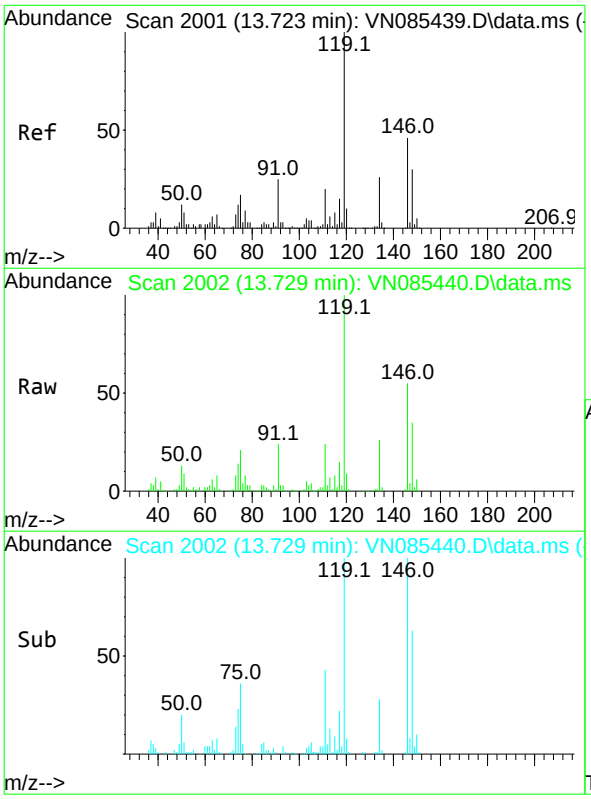
Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.7	28.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

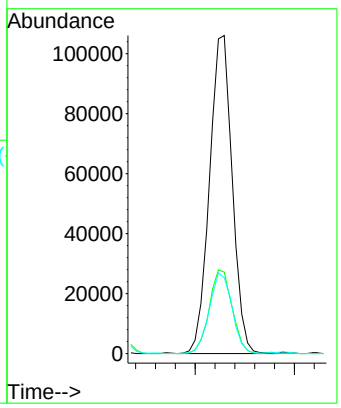
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

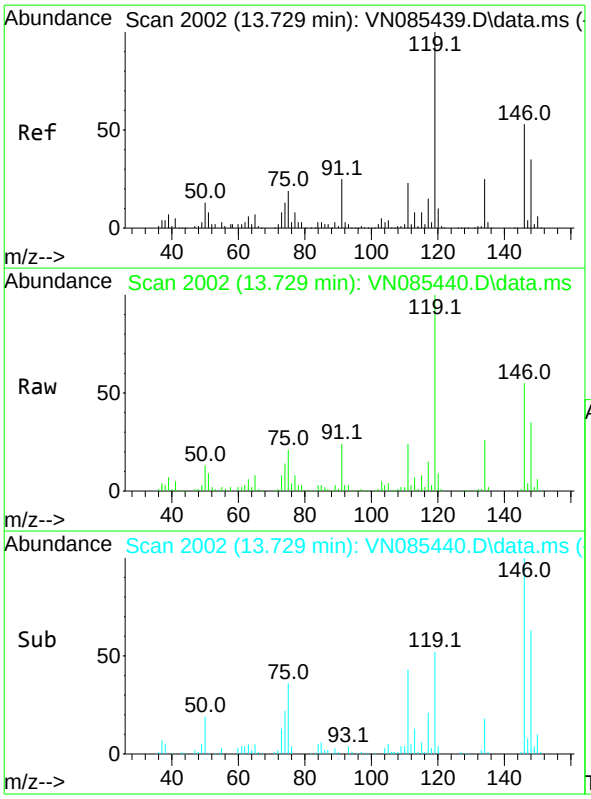


#86
p-Isopropyltoluene
Concen: 21.661 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion:119 Resp: 168888

Ion	Ratio	Lower	Upper
119	100		
134	26.4	12.7	38.0
91	25.5	12.7	38.1

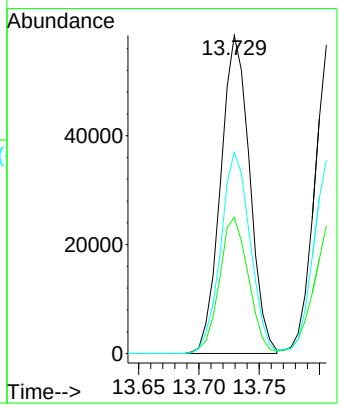




#87
1,3-Dichlorobenzene
Concen: 20.952 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion:146 Resp: 97652

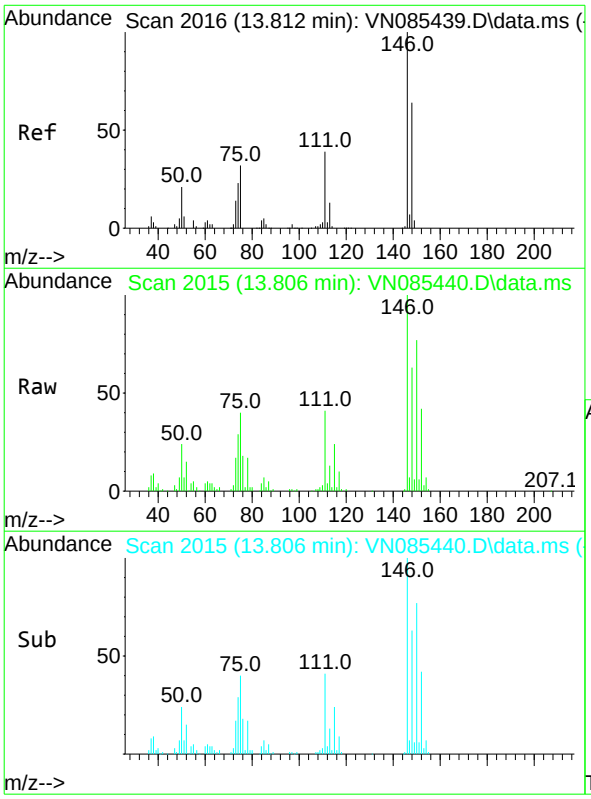
Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.4	64.3
148	64.3	32.3	96.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

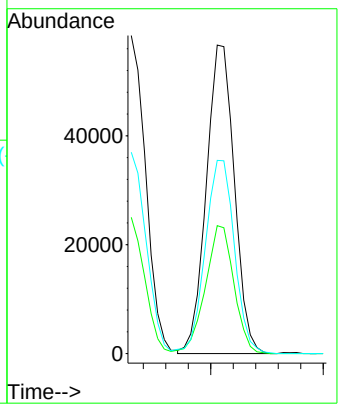
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

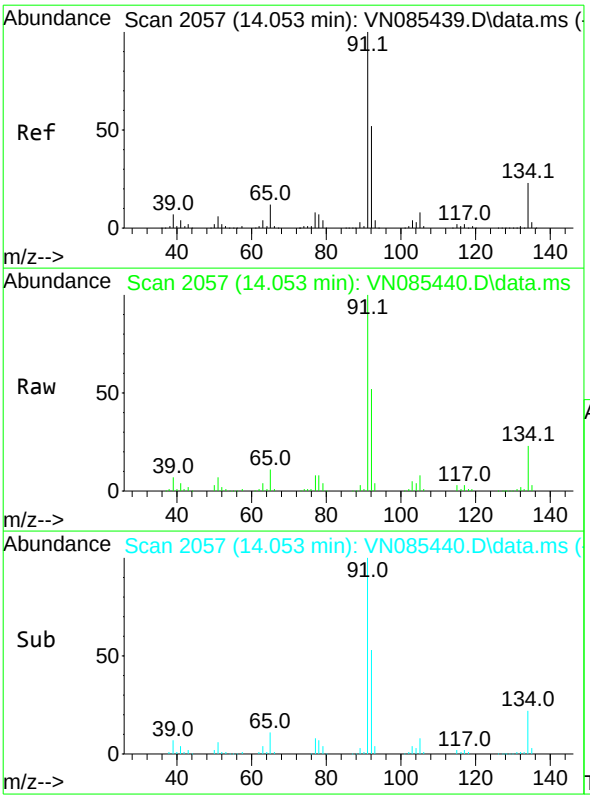


#88
1,4-Dichlorobenzene
Concen: 20.351 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. -0.006 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion:146 Resp: 98321

Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.3	63.7
148	65.1	32.4	97.0

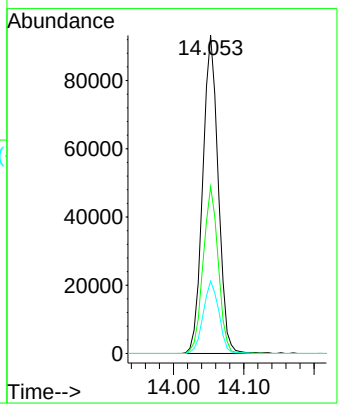




#89
n-Butylbenzene
Concen: 21.355 ug/l
RT: 14.053 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 91 Resp: 142673

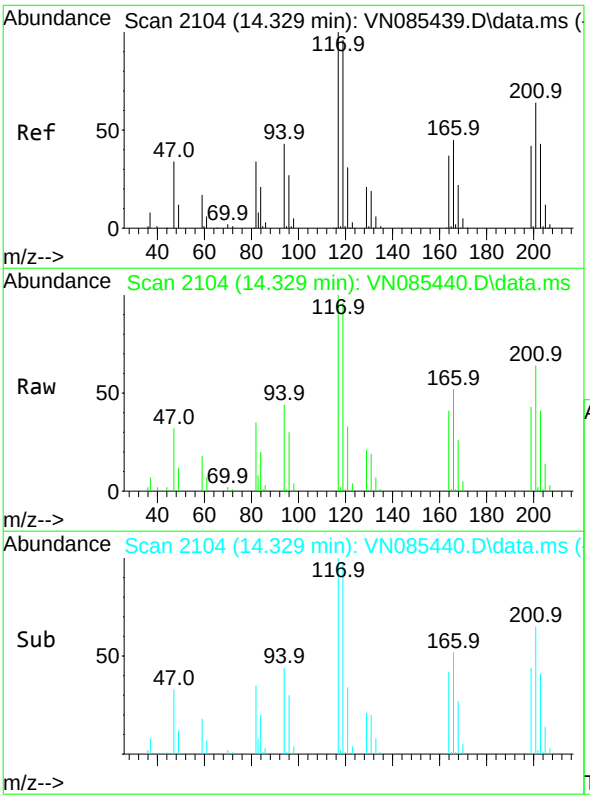
Ion	Ratio	Lower	Upper
91	100		
92	51.0	25.8	77.3
134	23.0	11.7	35.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

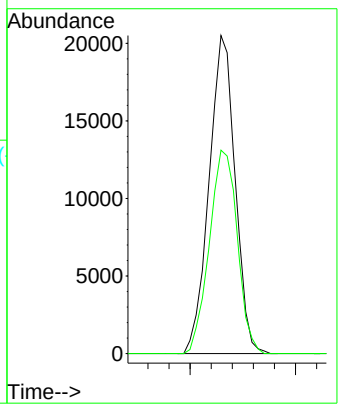
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

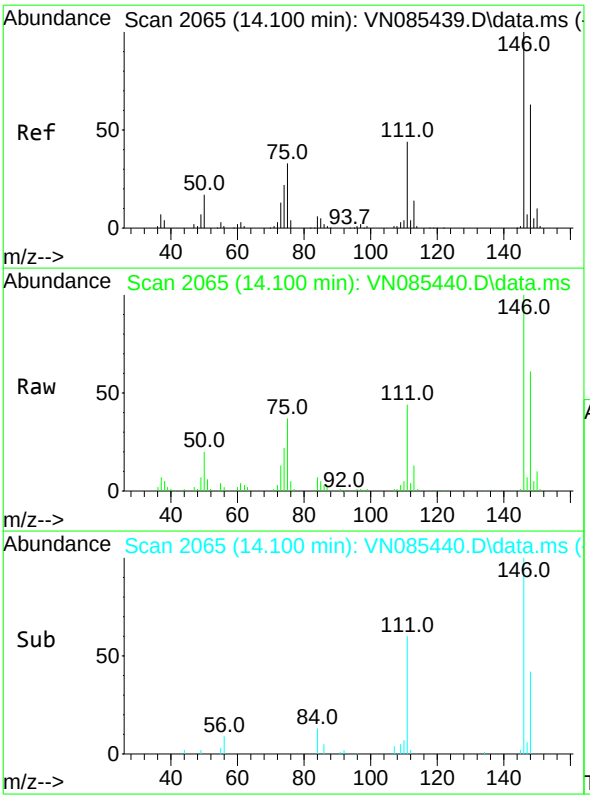


#90
Hexachloroethane
Concen: 19.858 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion:117 Resp: 35205

Ion	Ratio	Lower	Upper
117	100		
201	68.8	33.7	101.0

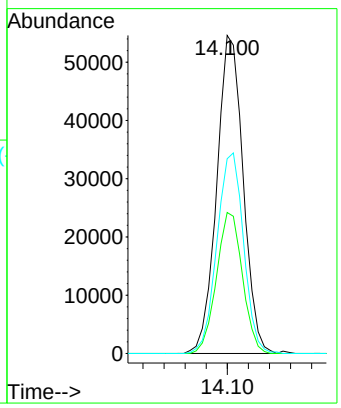




#91
1,2-Dichlorobenzene
Concen: 20.425 ug/l
RT: 14.100 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion:146 Resp: 94954

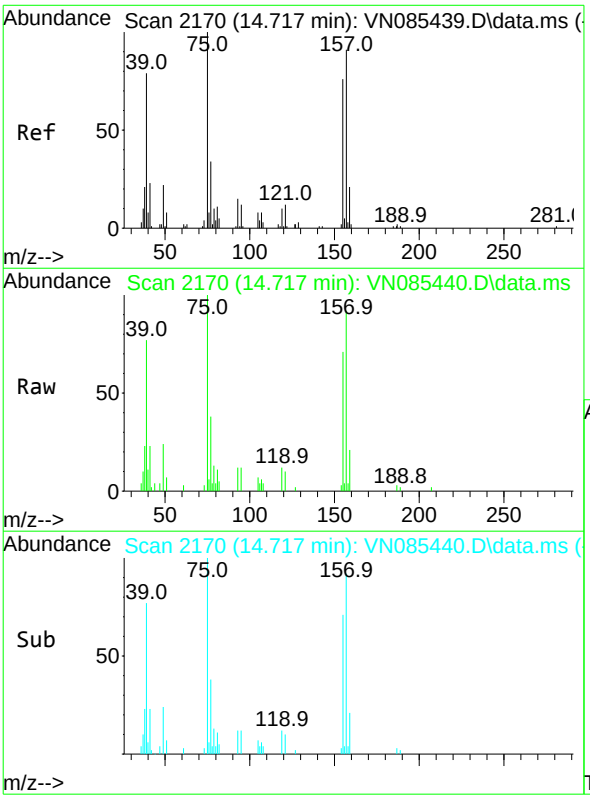
Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.7	65.1
148	63.5	31.4	94.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

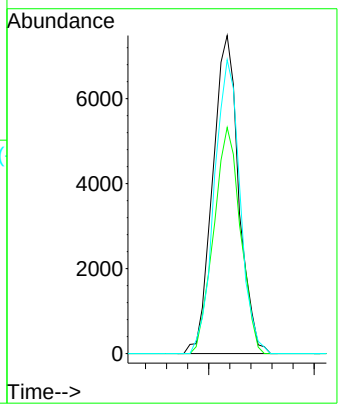
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

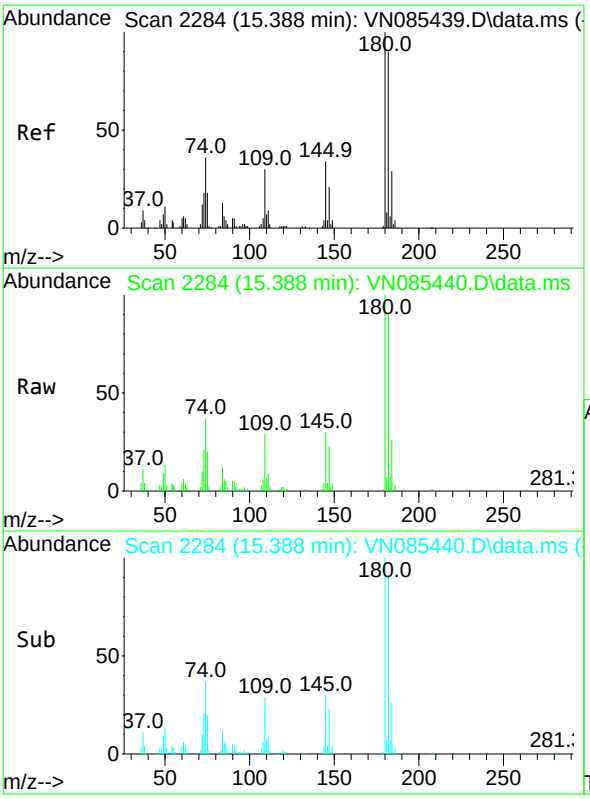


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.580 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 75 Resp: 12859

Ion	Ratio	Lower	Upper
75	100		
155	72.7	36.4	109.2
157	90.9	45.4	136.1

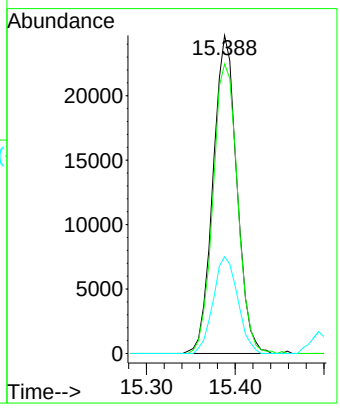




#93
1,2,4-Trichlorobenzene
Concen: 21.233 ug/l
RT: 15.388 min Scan# 22
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion:180 Resp: 45878

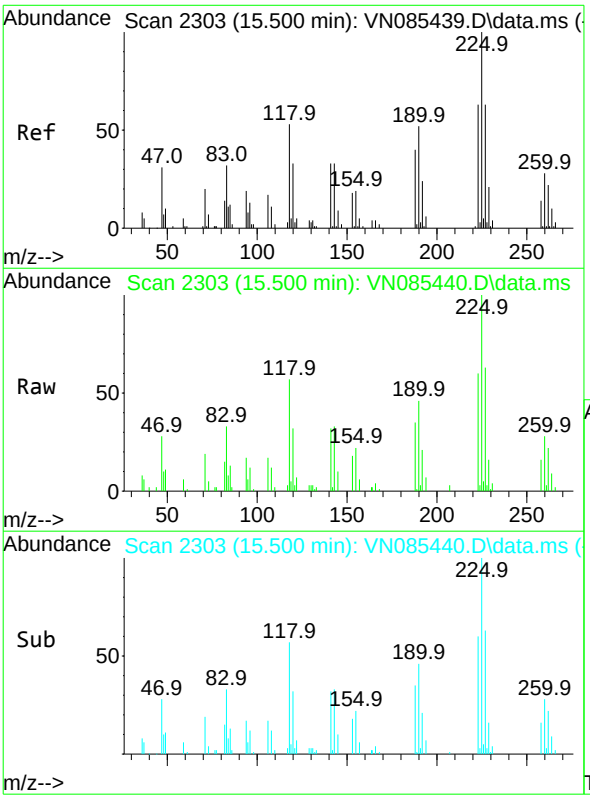
Ion	Ratio	Lower	Upper
180	100		
182	94.2	46.8	140.3
145	31.4	16.0	48.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

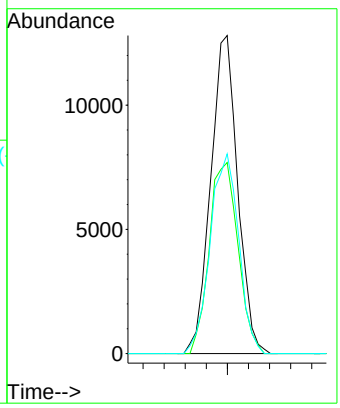
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

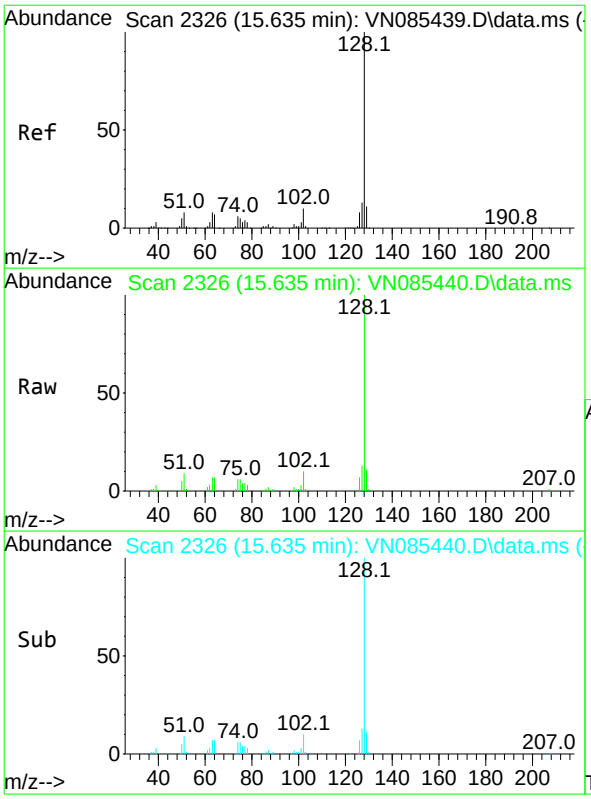


#94
Hexachlorobutadiene
Concen: 19.805 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion:225 Resp: 22719

Ion	Ratio	Lower	Upper
225	100		
223	64.3	30.7	92.1
227	66.3	30.9	92.5





#95
Naphthalene
Concen: 20.906 ug/l
RT: 15.635 min Scan# 23
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

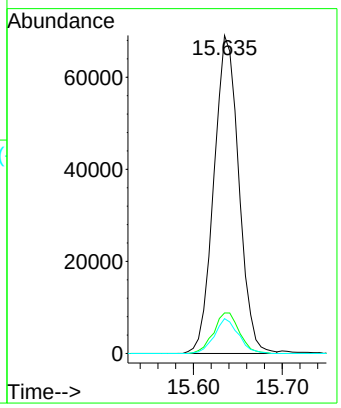
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

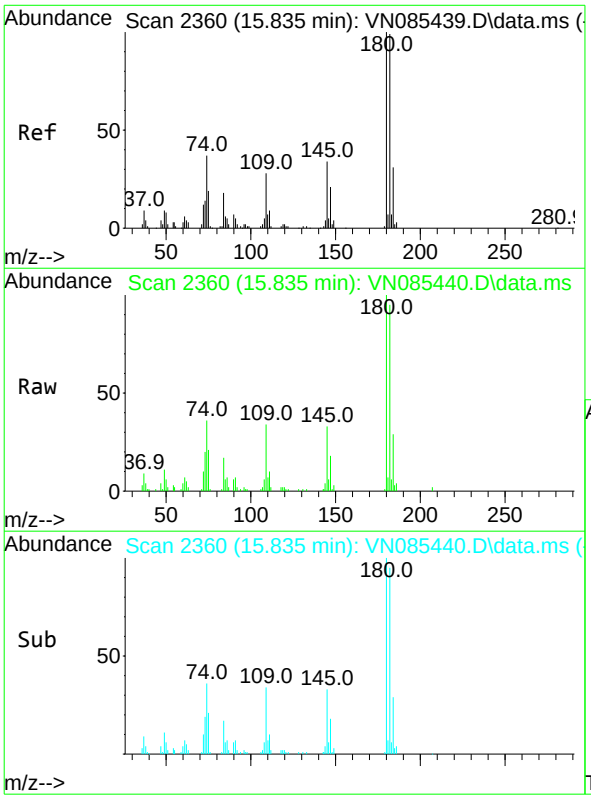
Tgt Ion:128 Resp: 134793

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	16.0
129	10.6	8.8	13.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

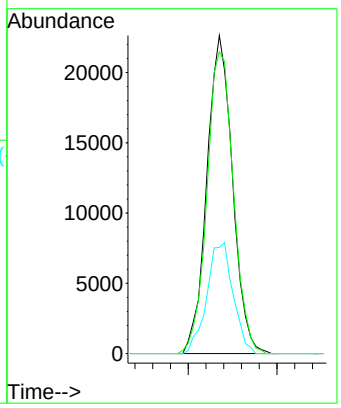




#96
1,2,3-Trichlorobenzene
Concen: 20.797 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion:180 Resp: 45468

Ion	Ratio	Lower	Upper
180	100		
182	97.9	47.4	142.2
145	35.7	16.9	50.7



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085441.D
Acq On : 14 Jan 2025 16:07
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 15 01:44:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	195889	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	340403	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	294508	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	132934	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	29856	9.442	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 18.880%#			
35) Dibromofluoromethane	8.165	113	21110	8.939	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 17.880%#			
50) Toluene-d8	10.565	98	73223	8.727	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 17.460%#			
62) 4-Bromofluorobenzene	12.847	95	24327	8.476	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 16.960%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	26124	9.850	ug/l	96
3) Chloromethane	2.359	50	27143	9.452	ug/l	99
4) Vinyl Chloride	2.512	62	27862	9.653	ug/l	100
5) Bromomethane	2.965	94	17139	9.830	ug/l	87
6) Chloroethane	3.130	64	16791	9.175	ug/l	96
7) Trichlorofluoromethane	3.501	101	40755	9.731	ug/l	98
8) Diethyl Ether	3.953	74	12415	8.581	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.371	101	22982	9.742	ug/l	98
10) Methyl Iodide	4.589	142	25085	9.286	ug/l	99
11) Tert butyl alcohol	5.512	59	17962	49.608	ug/l	97
12) 1,1-Dichloroethene	4.342	96	20615	9.806	ug/l	99
13) Acrolein	4.177	56	25568	51.729	ug/l	99
14) Allyl chloride	5.018	41	32240	9.451	ug/l	97
15) Acrylonitrile	5.712	53	53959	46.918	ug/l	98
16) Acetone	4.424	43	48475	47.446	ug/l	98
17) Carbon Disulfide	4.712	76	60201	9.300	ug/l #	94
18) Methyl Acetate	5.030	43	30500	9.817	ug/l	98
19) Methyl tert-butyl Ether	5.789	73	65207	9.552	ug/l	91
20) Methylene Chloride	5.277	84	23723	9.379	ug/l	96
21) trans-1,2-Dichloroethene	5.783	96	21127	9.403	ug/l	97
22) Diisopropyl ether	6.671	45	71857	9.490	ug/l	97
23) Vinyl Acetate	6.600	43	250575	47.125	ug/l	98
24) 1,1-Dichloroethane	6.565	63	43099	9.335	ug/l	95
25) 2-Butanone	7.477	43	71191	47.350	ug/l	99
26) 2,2-Dichloropropane	7.483	77	36105	9.672	ug/l	99
27) cis-1,2-Dichloroethene	7.489	96	25049	9.466	ug/l	97
28) Bromochloromethane	7.806	49	19037	8.863	ug/l	97
29) Tetrahydrofuran	7.836	42	45641	47.881	ug/l	98
30) Chloroform	7.965	83	45792	9.596	ug/l	100
31) Cyclohexane	8.253	56	40211	10.020	ug/l #	93
32) 1,1,1-Trichloroethane	8.165	97	39170	9.358	ug/l	99
36) 1,1-Dichloropropene	8.371	75	30015	9.056	ug/l	97
37) Ethyl Acetate	7.559	43	30760	9.195	ug/l	97
38) Carbon Tetrachloride	8.359	117	36015	9.492	ug/l	94
39) Methylcyclohexane	9.594	83	27721	8.900	ug/l	95
40) Benzene	8.600	78	93680	9.407	ug/l	96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085441.D
Acq On : 14 Jan 2025 16:07
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 15 01:44:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	16859	9.686	ug/l		96
42) 1,2-Dichloroethane	8.665	62	35569	9.483	ug/l		99
43) Isopropyl Acetate	8.683	43	48926	9.127	ug/l		99
44) Trichloroethene	9.347	130	21113	9.108	ug/l		95
45) 1,2-Dichloropropane	9.618	63	22747	8.942	ug/l		97
46) Dibromomethane	9.706	93	17260	9.404	ug/l		99
47) Bromodichloromethane	9.883	83	35020	9.365	ug/l		98
48) Methyl methacrylate	9.677	41	21873	9.067	ug/l		97
49) 1,4-Dioxane	9.694	88	7734	190.382	ug/l		98
51) 4-Methyl-2-Pentanone	10.441	43	146990	47.254	ug/l		98
52) Toluene	10.630	92	54976	9.527	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	32780	9.276	ug/l		96
54) cis-1,3-Dichloropropene	10.312	75	35904	9.512	ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	21060	9.222	ug/l		98
56) Ethyl methacrylate	10.871	69	28454	9.042	ug/l		95
57) 1,3-Dichloropropane	11.159	76	37768	9.512	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.159	63	63110	43.550	ug/l		98
59) 2-Hexanone	11.194	43	101318	46.291	ug/l		98
60) Dibromochloromethane	11.353	129	25029	9.079	ug/l		98
61) 1,2-Dibromoethane	11.465	107	21055	9.263	ug/l		100
64) Tetrachloroethene	11.100	164	19934	9.928	ug/l		97
65) Chlorobenzene	11.888	112	61680	9.560	ug/l		93
66) 1,1,1,2-Tetrachloroethane	11.959	131	21853	9.229	ug/l		98
67) Ethyl Benzene	11.959	91	99248	9.445	ug/l		97
68) m/p-Xylenes	12.065	106	72431	18.650	ug/l		99
69) o-Xylene	12.394	106	34382	9.264	ug/l		99
70) Styrene	12.406	104	56285	9.163	ug/l		98
71) Bromoform	12.576	173	16071	9.485	ug/l	#	98
73) Isopropylbenzene	12.694	105	87003	9.697	ug/l		99
74) N-amyl acetate	12.494	43	37343	9.260	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	30770	9.709	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	25443m	9.432	ug/l		
77) Bromobenzene	12.976	156	22784	9.720	ug/l		97
78) n-propylbenzene	13.035	91	102262	9.628	ug/l		98
79) 2-Chlorotoluene	13.123	91	68346	9.943	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	71656	9.669	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	9236	9.248	ug/l		100
82) 4-Chlorotoluene	13.218	91	66773	9.756	ug/l		97
83) tert-Butylbenzene	13.435	119	59455	9.553	ug/l		98
84) 1,2,4-Trimethylbenzene	13.476	105	72046	9.754	ug/l		99
85) sec-Butylbenzene	13.612	105	83662	9.699	ug/l		99
86) p-Isopropyltoluene	13.729	119	67556	9.674	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	41843	9.693	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	42728	9.549	ug/l		99
89) n-Butylbenzene	14.053	91	57632	9.314	ug/l		97
90) Hexachloroethane	14.329	117	15261	9.294	ug/l		97
91) 1,2-Dichlorobenzene	14.106	146	40726	9.458	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	5639	9.744	ug/l		95
93) 1,2,4-Trichlorobenzene	15.388	180	18720	9.354	ug/l		99
94) Hexachlorobutadiene	15.500	225	10491	9.874	ug/l		98
95) Naphthalene	15.635	128	52054	8.717	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	19450	9.605	ug/l		96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085441.D
Acq On : 14 Jan 2025 16:07
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 15 01:44:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

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

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

ICAL Form

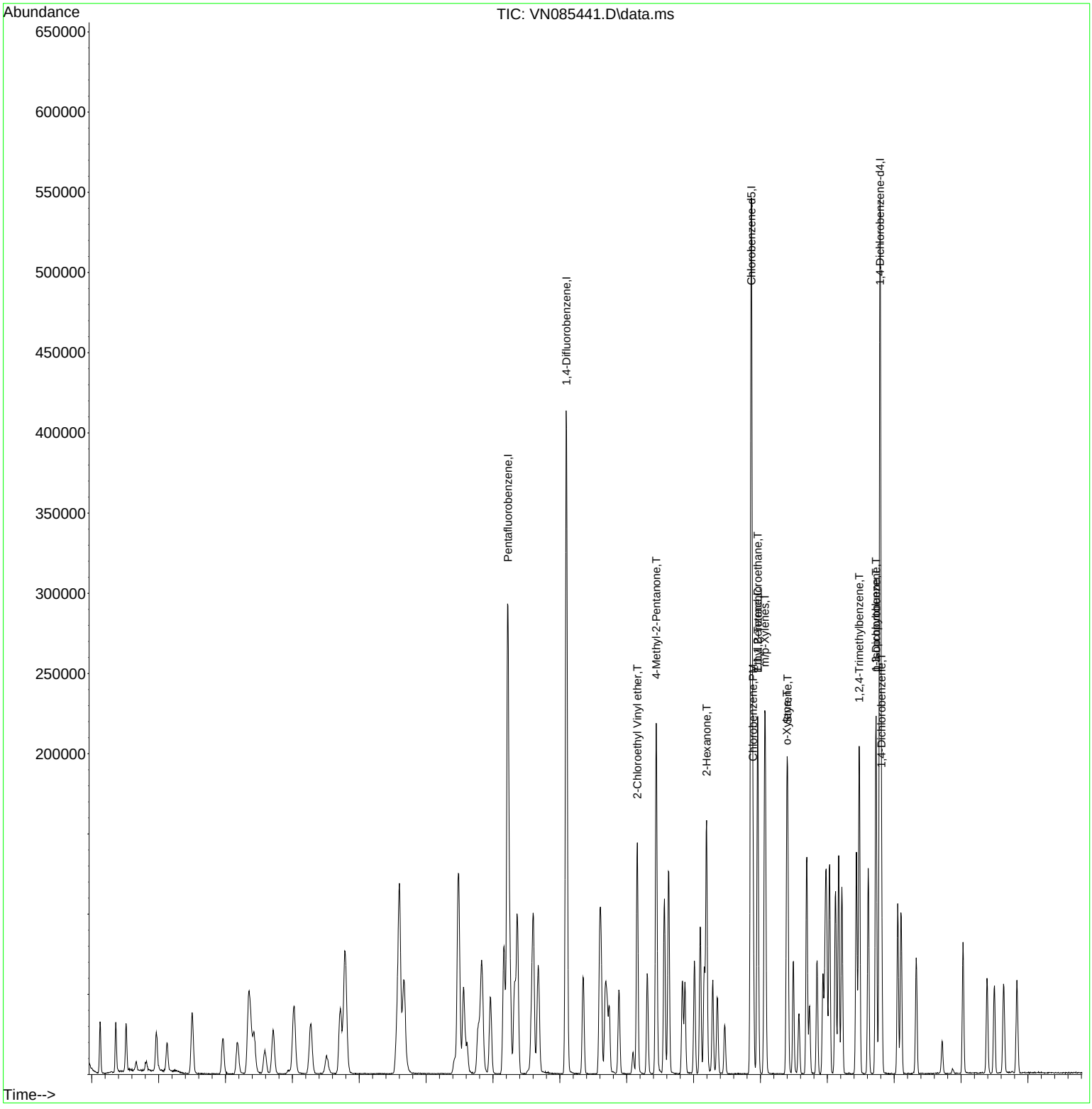
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Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

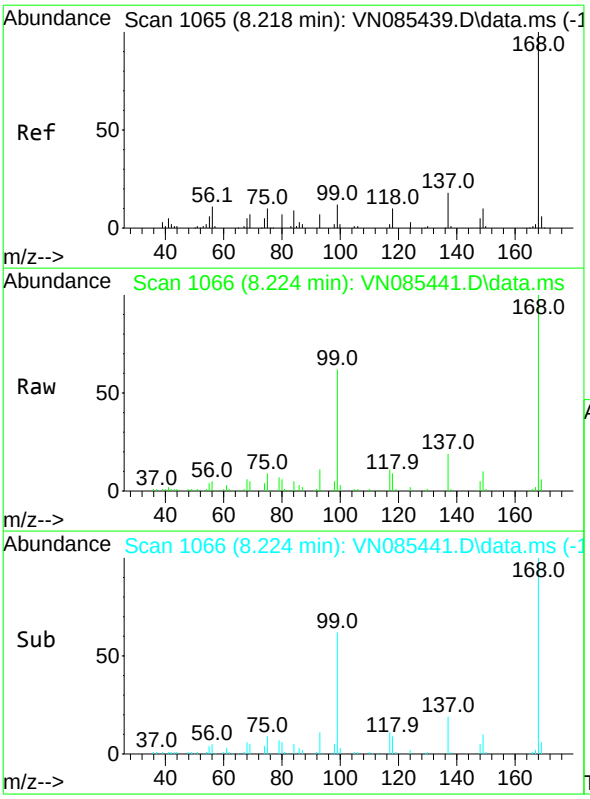
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Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
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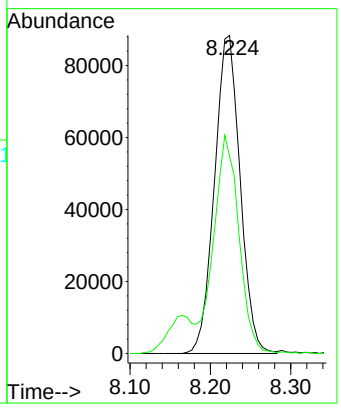




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion:168 Resp: 195889

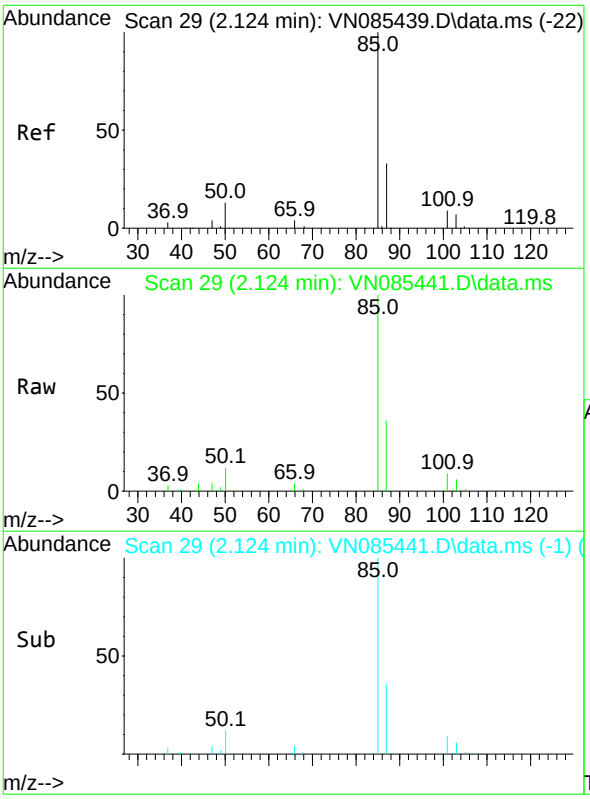
Ion	Ratio	Lower	Upper
168	100		
99	61.7	53.6	80.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

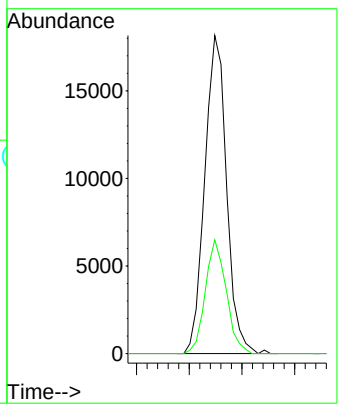
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

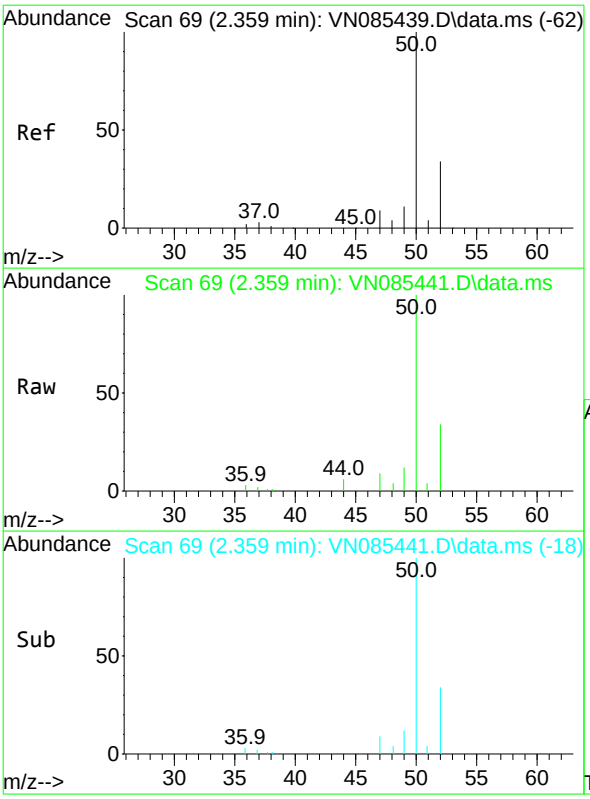


#2
Dichlorodifluoromethane
Concen: 9.850 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 85 Resp: 26124

Ion	Ratio	Lower	Upper
85	100		
87	35.8	16.7	50.1

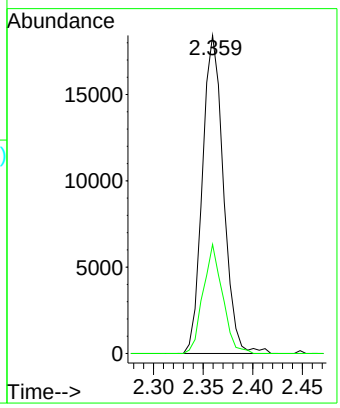




#3
Chloromethane
Concen: 9.452 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 50 Resp: 27143

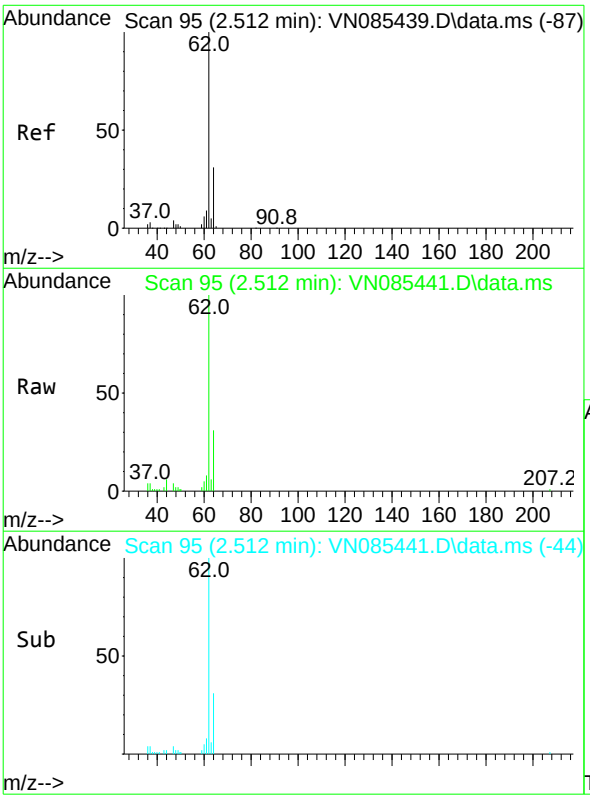
Ion	Ratio	Lower	Upper
50	100		
52	34.3	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

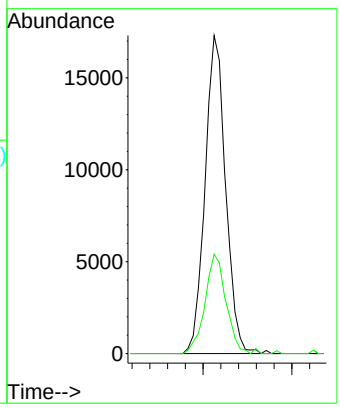
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

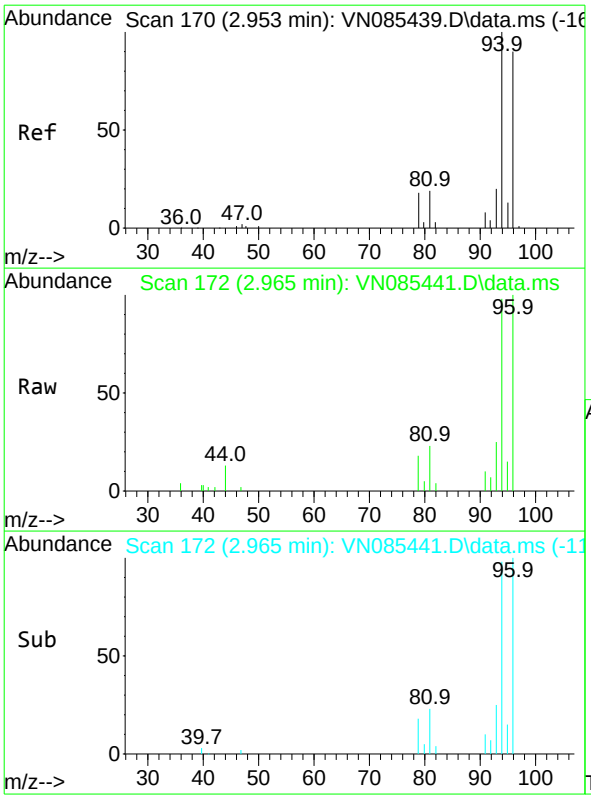


#4
Vinyl Chloride
Concen: 9.653 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 62 Resp: 27862

Ion	Ratio	Lower	Upper
62	100		
64	31.2	24.8	37.2

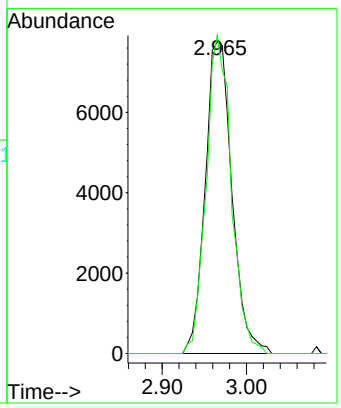




#5
Bromomethane
Concen: 9.830 ug/l
RT: 2.965 min Scan# 17
Delta R.T. 0.012 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 94 Resp: 17139

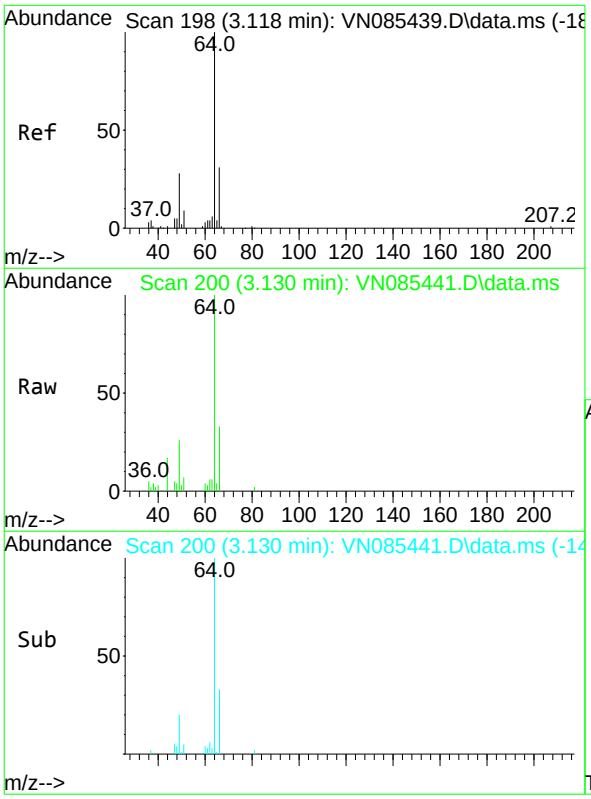
Ion	Ratio	Lower	Upper
94	100		
96	102.1	71.8	107.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

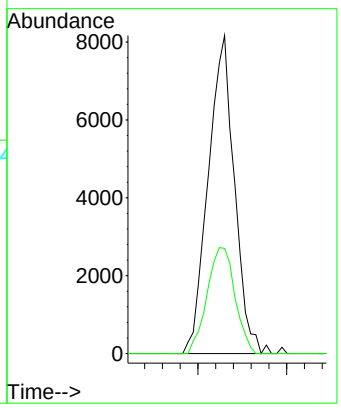
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

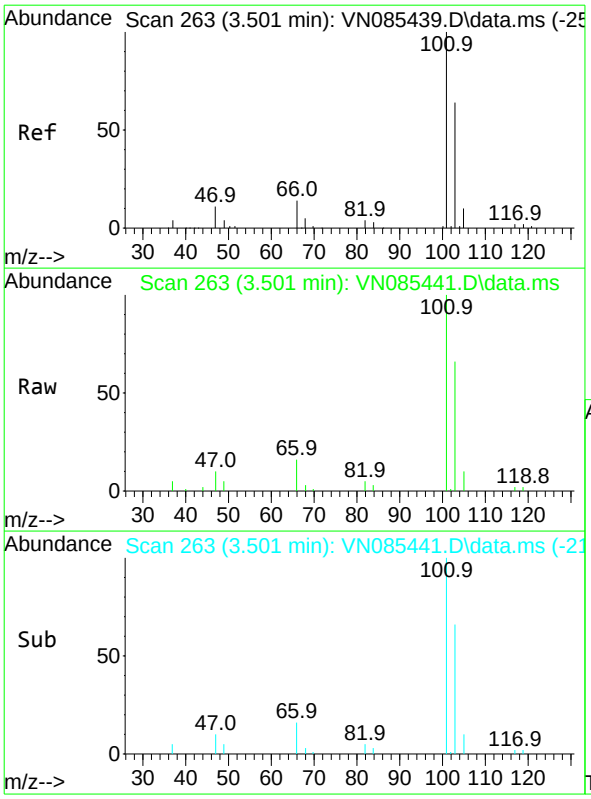


#6
Chloroethane
Concen: 9.175 ug/l
RT: 3.130 min Scan# 200
Delta R.T. 0.012 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 64 Resp: 16791

Ion	Ratio	Lower	Upper
64	100		
66	33.1	24.6	36.8

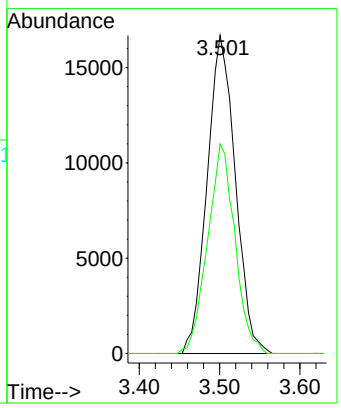




#7
Trichlorofluoromethane
Concen: 9.731 ug/l
RT: 3.501 min Scan# 26
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion:101 Resp: 40755

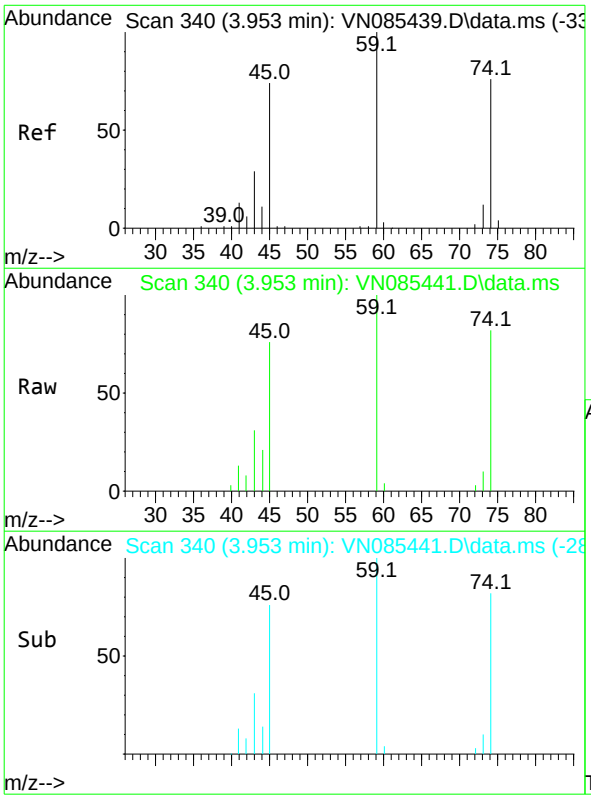
Ion	Ratio	Lower	Upper
101	100		
103	65.9	51.4	77.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

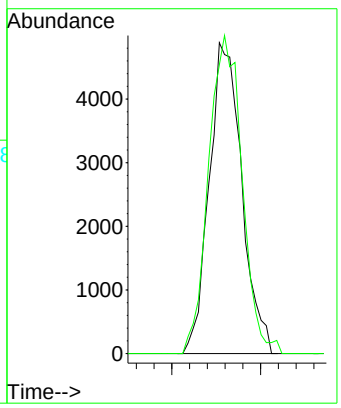
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

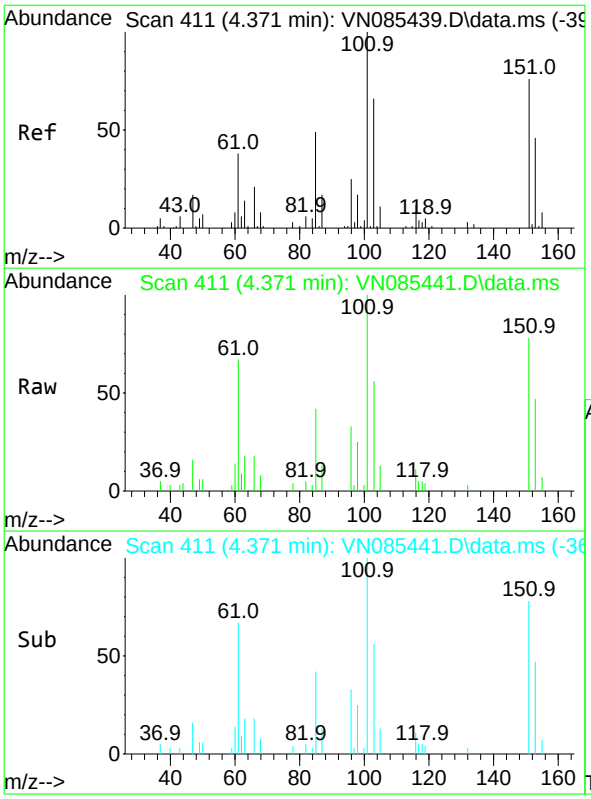


#8
Diethyl Ether
Concen: 8.581 ug/l
RT: 3.953 min Scan# 340
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 74 Resp: 12415

Ion	Ratio	Lower	Upper
74	100		
45	105.3	49.7	149.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 9.742 ug/l
RT: 4.371 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

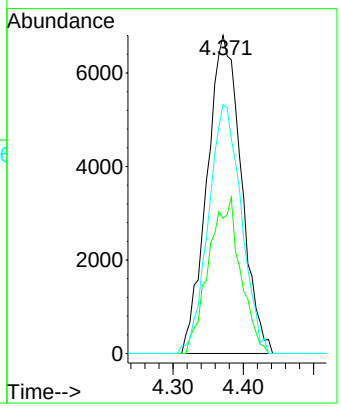
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

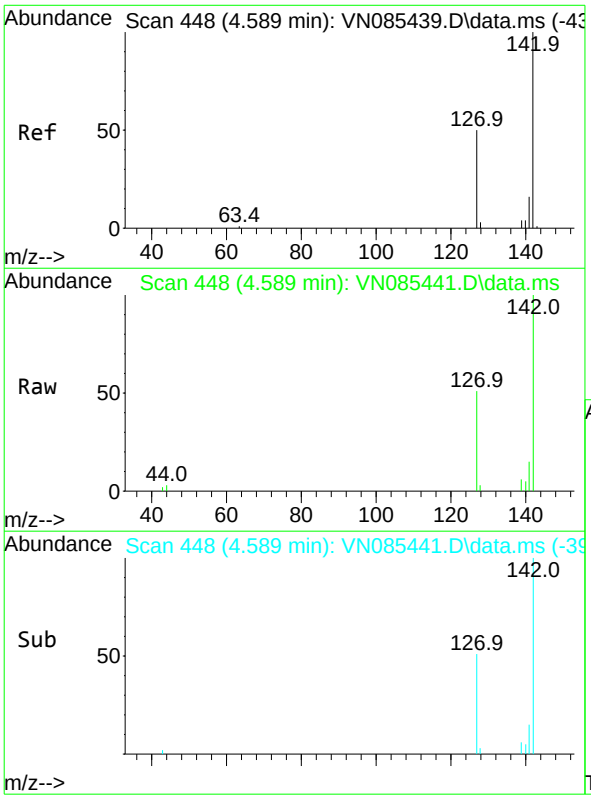
Tgt Ion:101 Resp: 22982

Ion	Ratio	Lower	Upper
101	100		
85	45.8	37.8	56.8
151	75.2	58.8	88.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

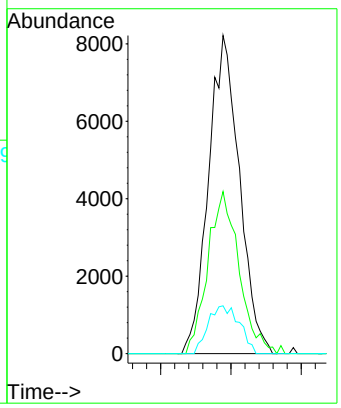


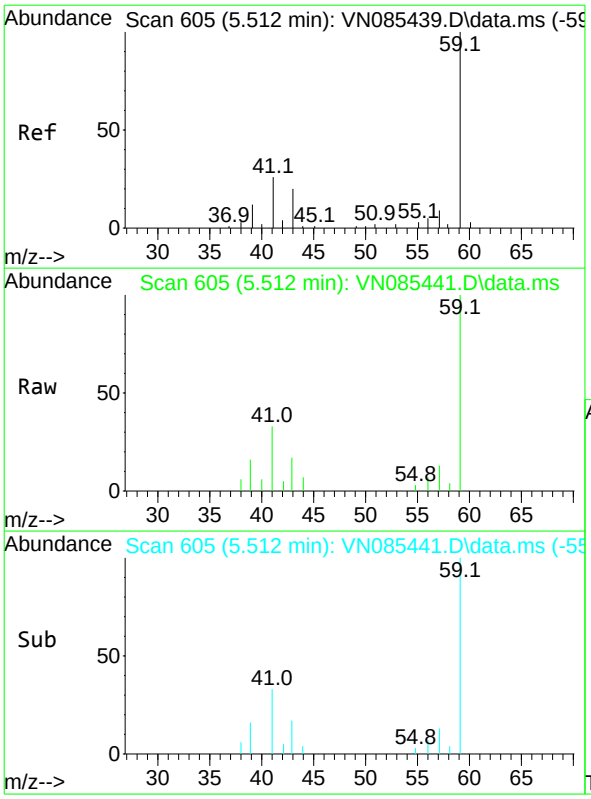


#10
Methyl Iodide
Concen: 9.286 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion:142 Resp: 25085

Ion	Ratio	Lower	Upper
142	100		
127	50.9	40.3	60.5
141	15.0	12.8	19.2

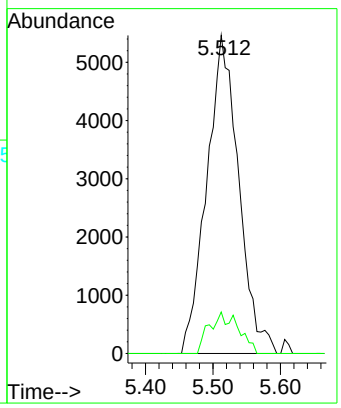




#11
Tert butyl alcohol
Concen: 49.608 ug/l
RT: 5.512 min Scan# 60
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 59 Resp: 17962

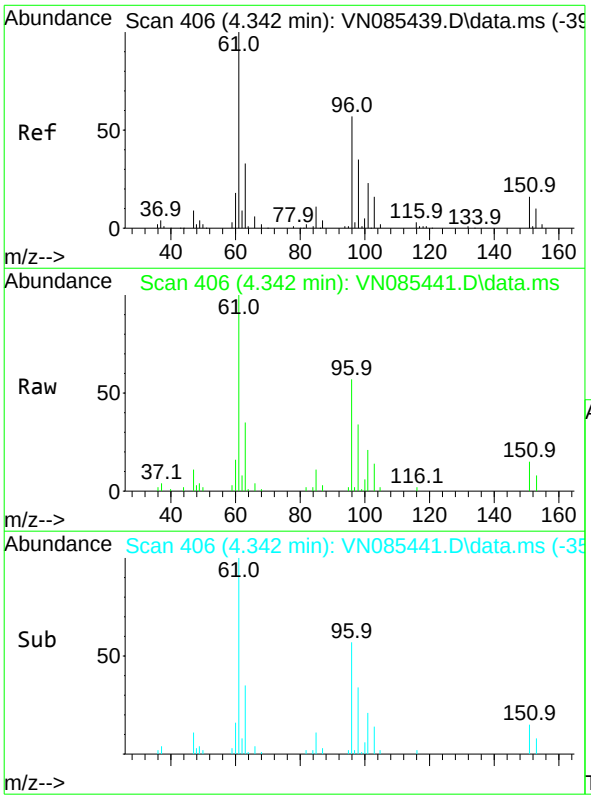
Ion	Ratio	Lower	Upper
59	100		
57	11.9	8.6	13.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

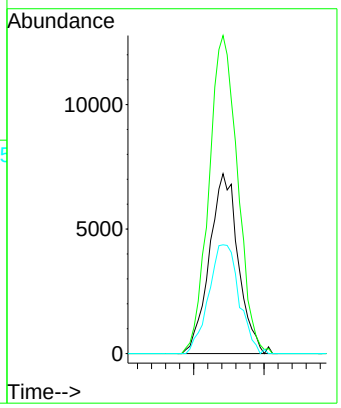
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

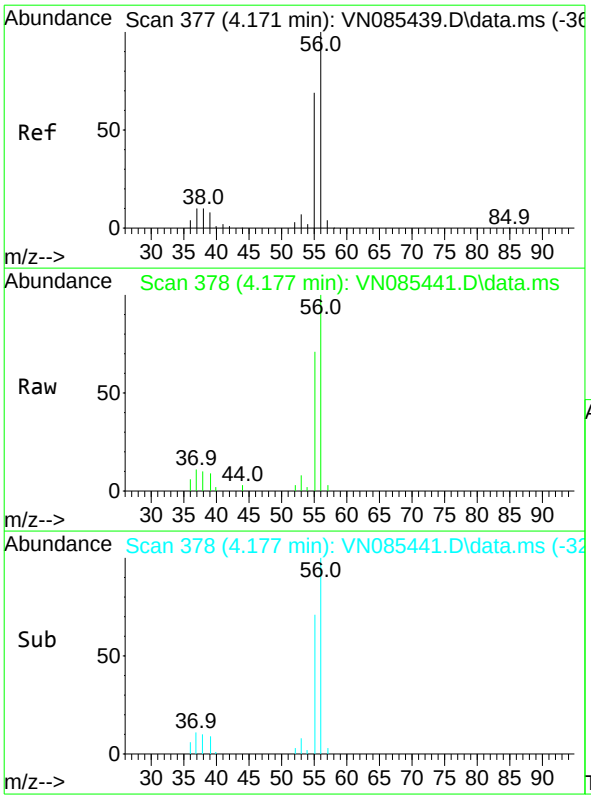


#12
1,1-Dichloroethene
Concen: 9.806 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 96 Resp: 20615

Ion	Ratio	Lower	Upper
96	100		
61	176.8	141.0	211.4
98	60.5	49.0	73.6

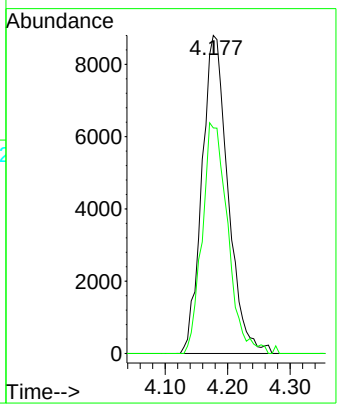




#13
Acrolein
Concen: 51.729 ug/l
RT: 4.177 min Scan# 37
Delta R.T. 0.006 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 56 Resp: 25568

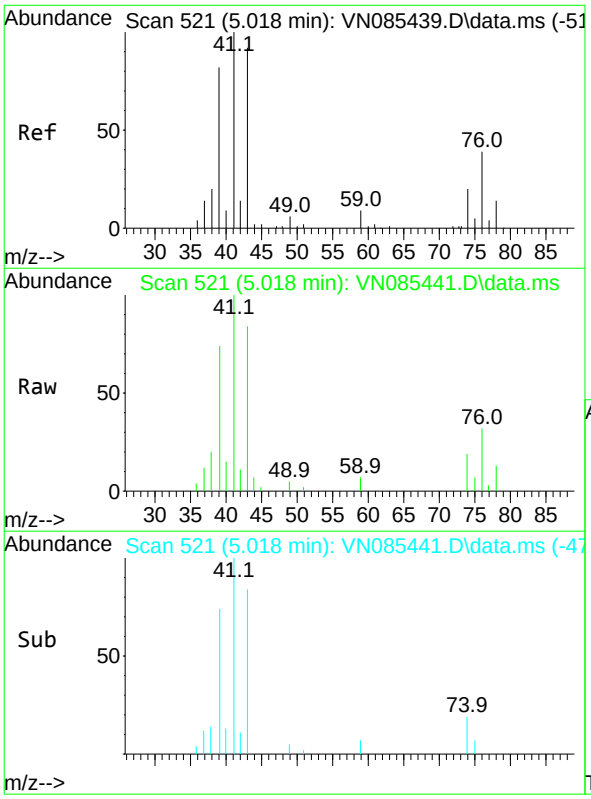
Ion	Ratio	Lower	Upper
56	100		
55	70.9	56.3	84.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

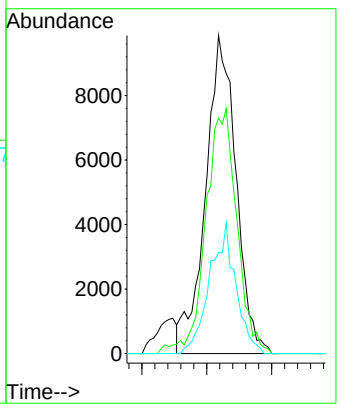
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

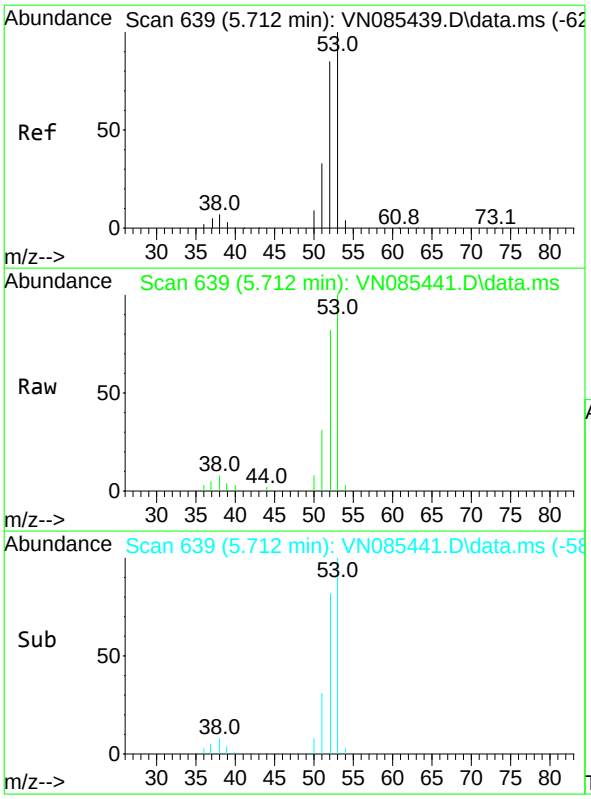


#14
Allyl chloride
Concen: 9.451 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 41 Resp: 32240

Ion	Ratio	Lower	Upper
41	100		
39	78.3	64.4	96.6
76	35.1	30.5	45.7

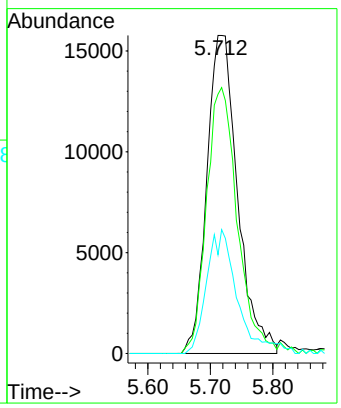




#15
Acrylonitrile
Concen: 46.918 ug/l
RT: 5.712 min Scan# 63
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 53 Resp: 53959

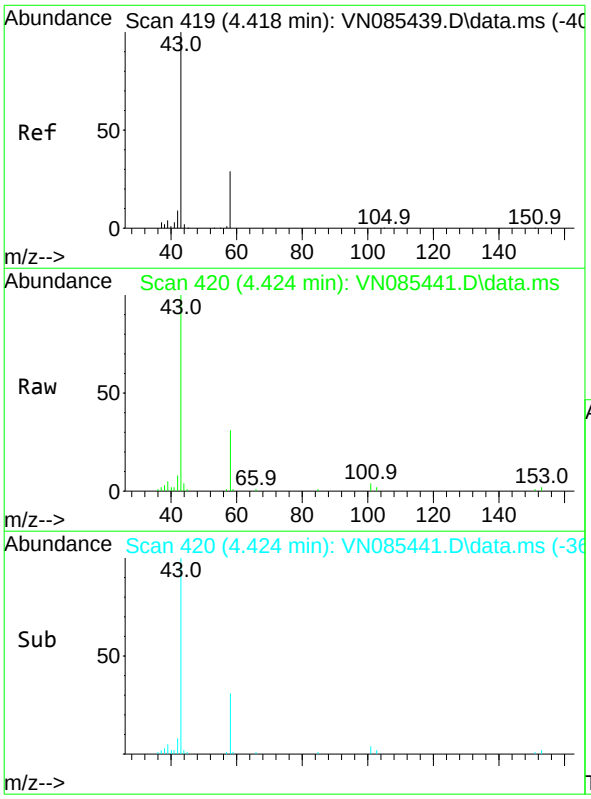
Ion	Ratio	Lower	Upper
53	100		
52	83.3	65.5	98.3
51	38.8	29.8	44.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
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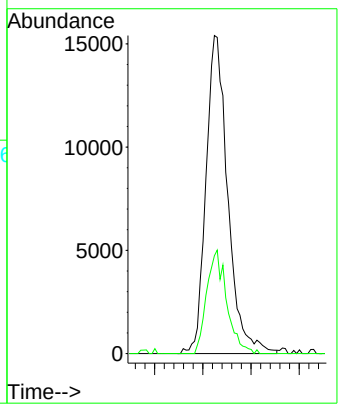
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

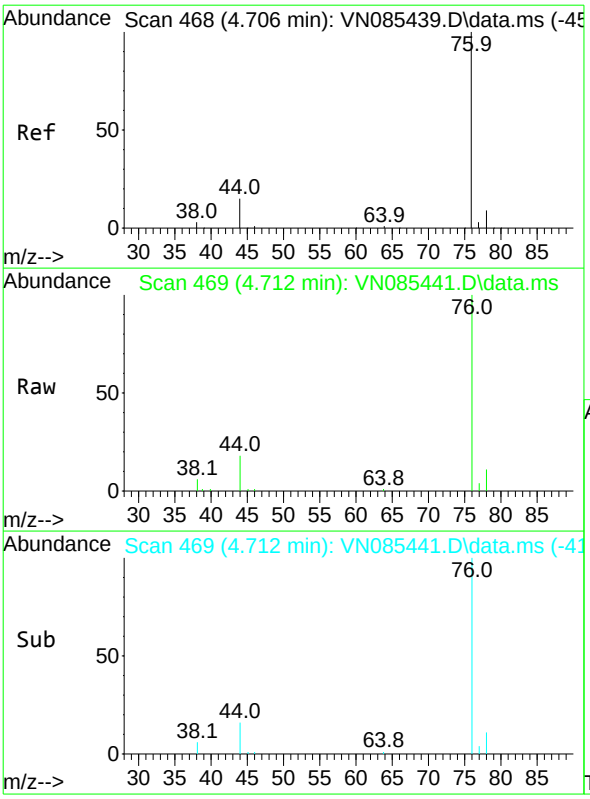


#16
Acetone
Concen: 47.446 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 43 Resp: 48475

Ion	Ratio	Lower	Upper
43	100		
58	30.8	23.8	35.6





#17
Carbon Disulfide
Concen: 9.300 ug/l
RT: 4.712 min Scan# 46
Delta R.T. 0.006 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

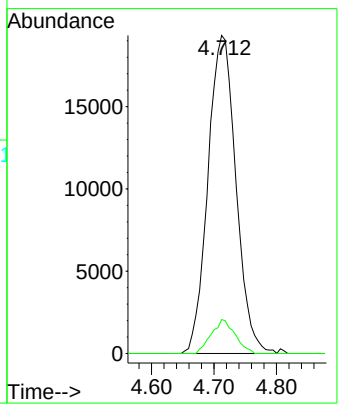
Tgt Ion: 76 Resp: 60201

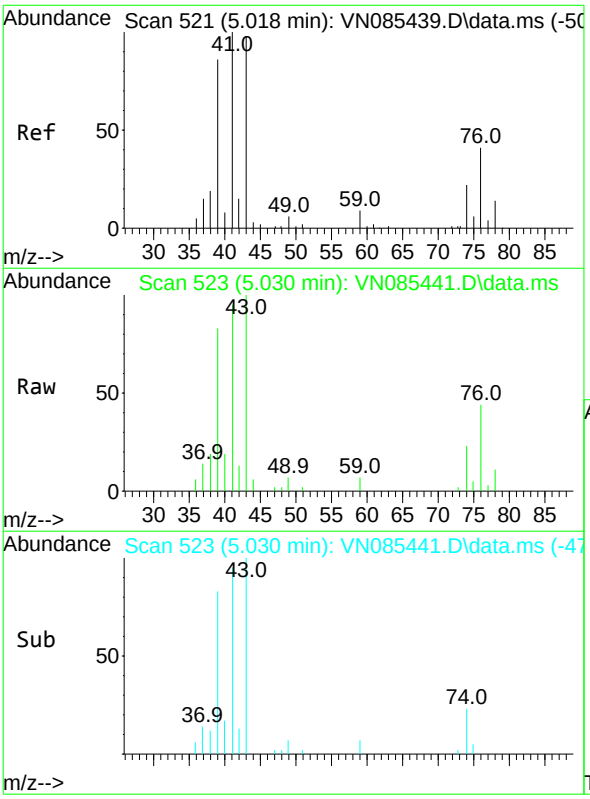
Ion	Ratio	Lower	Upper
76	100		
78	10.7	6.9	10.3#

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

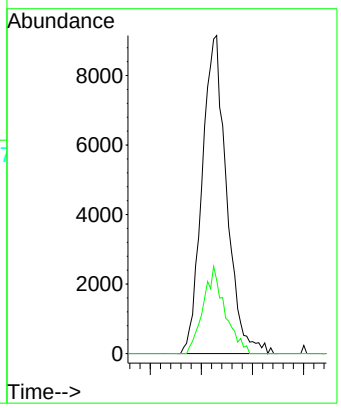


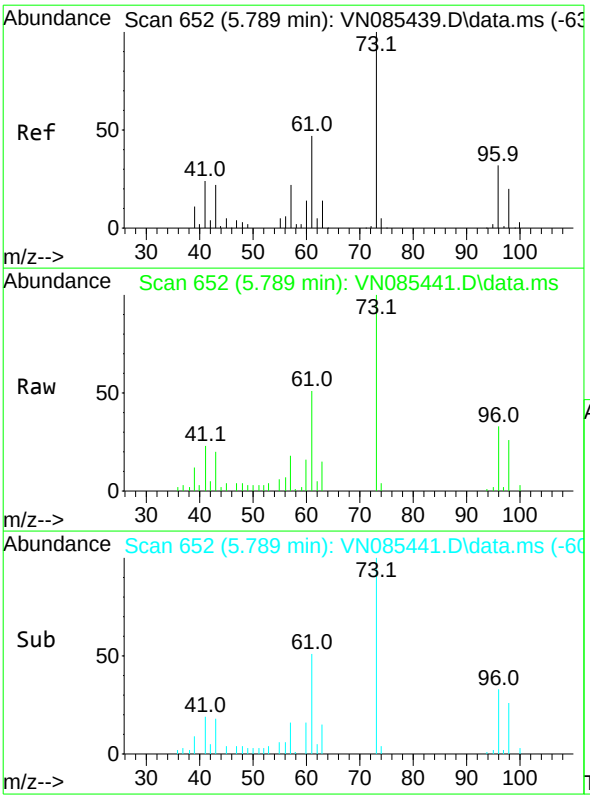


#18
Methyl Acetate
Concen: 9.817 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 43 Resp: 30500

Ion	Ratio	Lower	Upper
43	100		
74	24.3	18.6	28.0

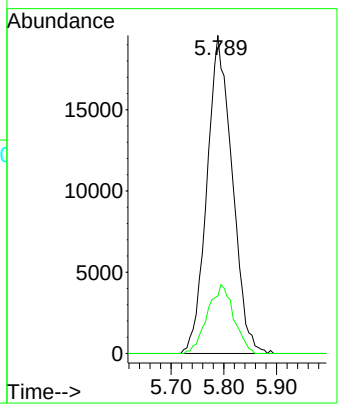




#19
Methyl tert-butyl Ether
Concen: 9.552 ug/l
RT: 5.789 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 73 Resp: 65207

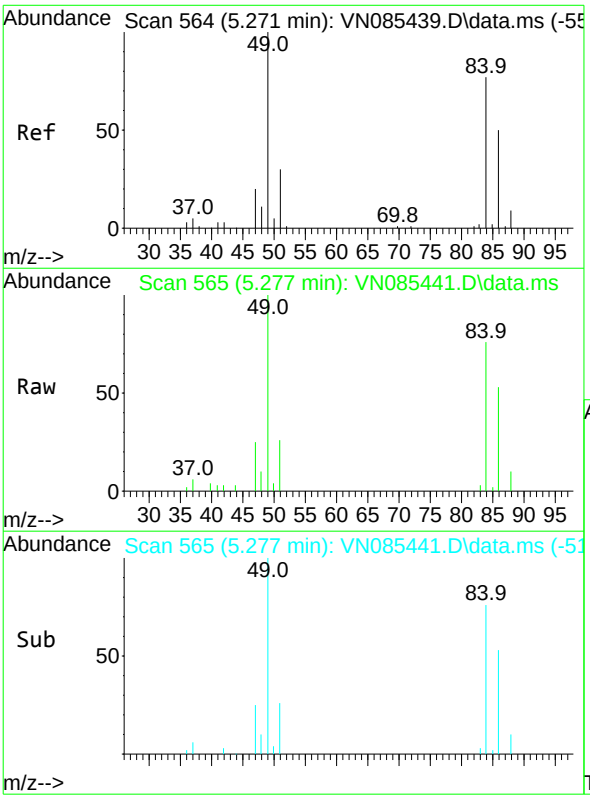
Ion	Ratio	Lower	Upper
73	100		
57	18.1	17.8	26.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

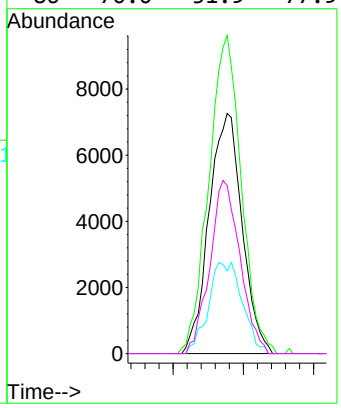
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

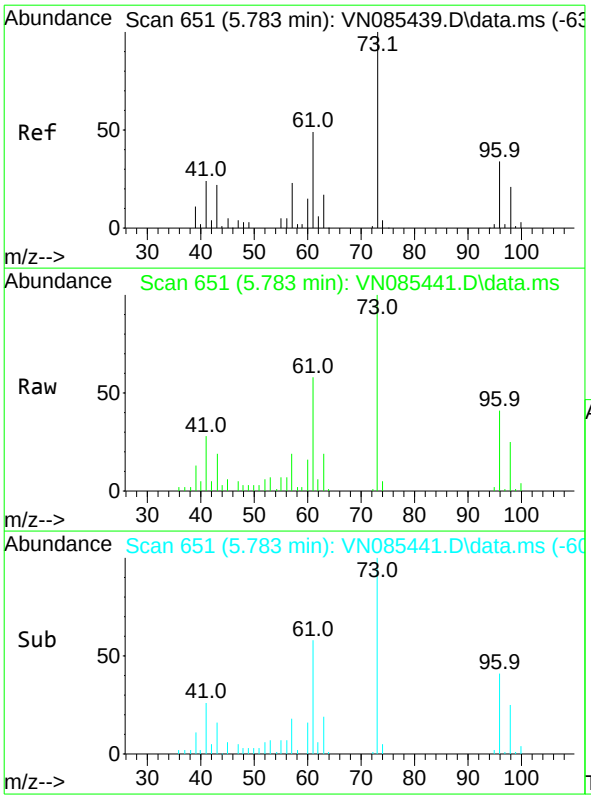


#20
Methylene Chloride
Concen: 9.379 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 84 Resp: 23723

Ion	Ratio	Lower	Upper
84	100		
49	132.4	104.1	156.1
51	34.4	31.0	46.4
86	70.0	51.9	77.9

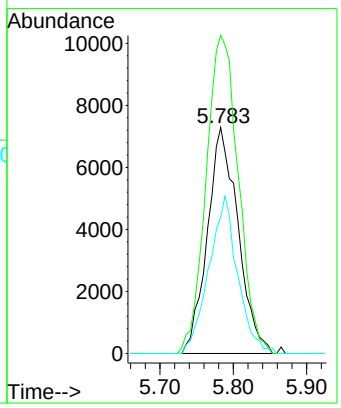




#21
trans-1,2-Dichloroethene
Concen: 9.403 ug/l
RT: 5.783 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 96 Resp: 21127

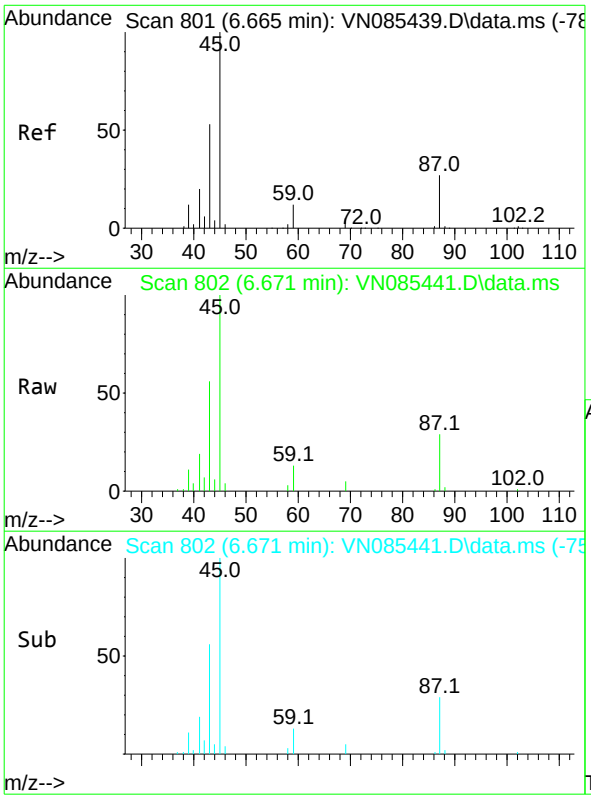
Ion	Ratio	Lower	Upper
96	100		
61	140.8	115.7	173.5
98	60.5	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

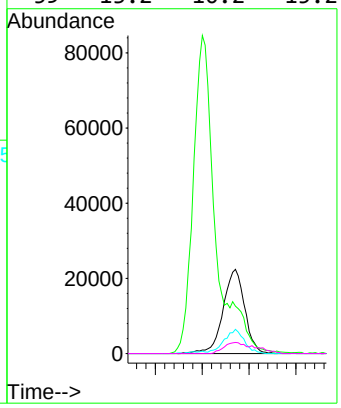
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

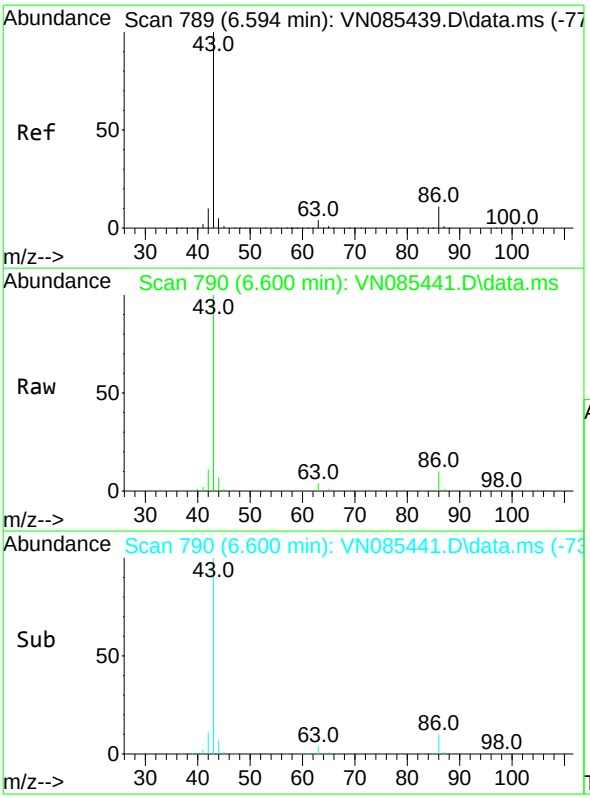


#22
Diisopropyl ether
Concen: 9.490 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.006 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 45 Resp: 71857

Ion	Ratio	Lower	Upper
45	100		
43	53.2	45.0	67.6
87	28.8	21.8	32.8
59	13.2	10.2	15.2

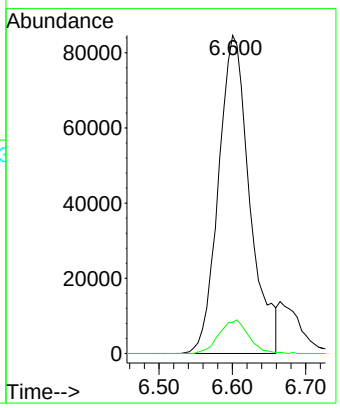




#23
Vinyl Acetate
Concen: 47.125 ug/l
RT: 6.600 min Scan# 79
Delta R.T. 0.006 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 43 Resp: 250575

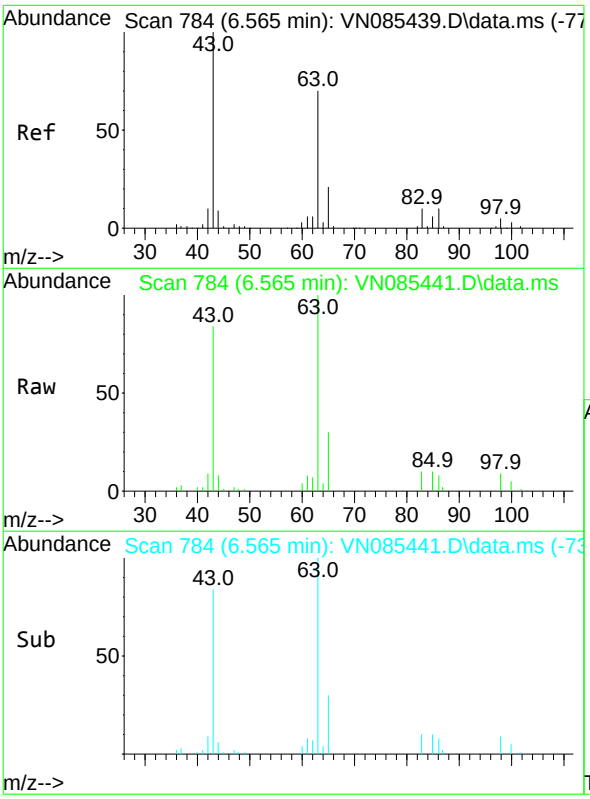
Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.4	12.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

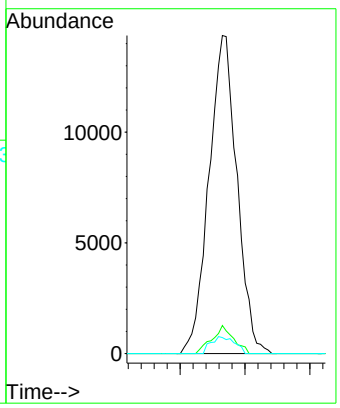
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

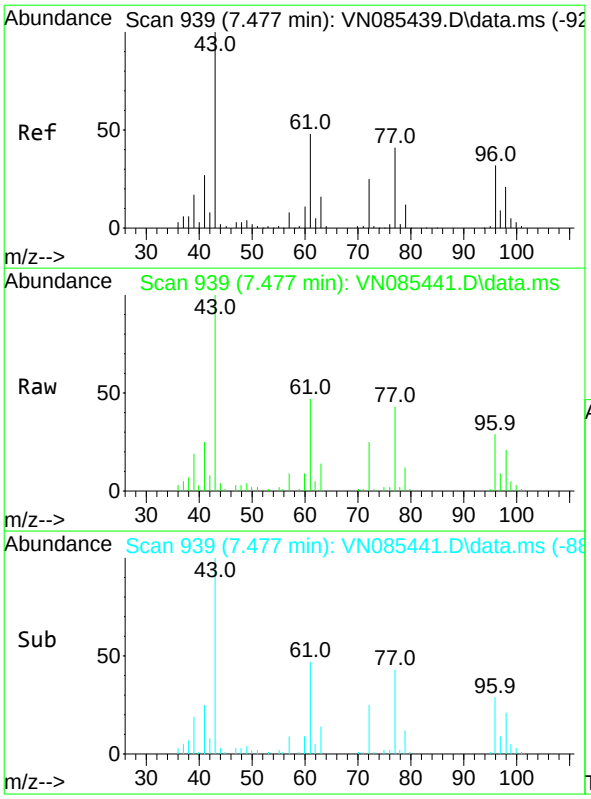


#24
1,1-Dichloroethane
Concen: 9.335 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 63 Resp: 43099

Ion	Ratio	Lower	Upper
63	100		
98	8.8	3.3	9.8
100	5.0	2.0	6.0

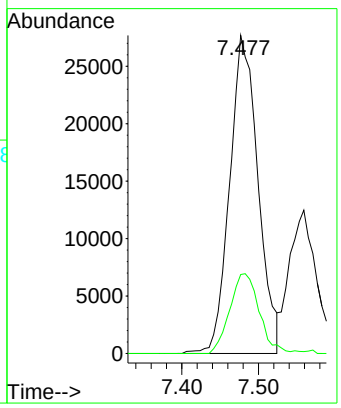




#25
2-Butanone
Concen: 47.350 ug/l
RT: 7.477 min Scan# 93
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 43 Resp: 71191

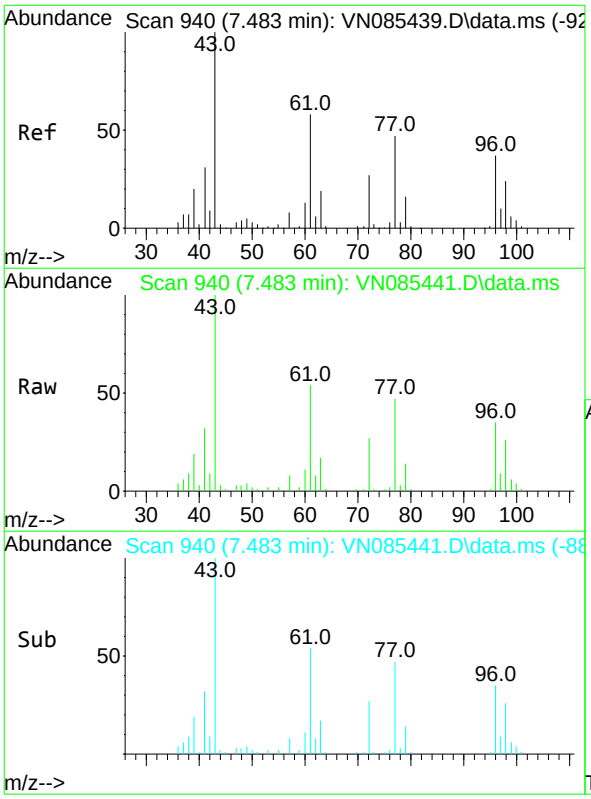
Ion	Ratio	Lower	Upper
43	100		
72	24.8	20.2	30.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

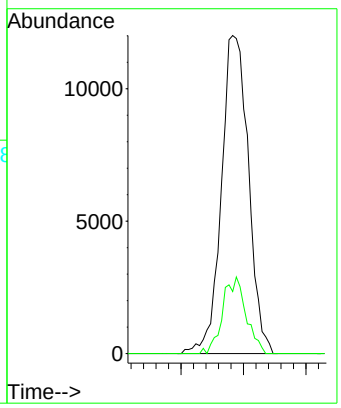
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

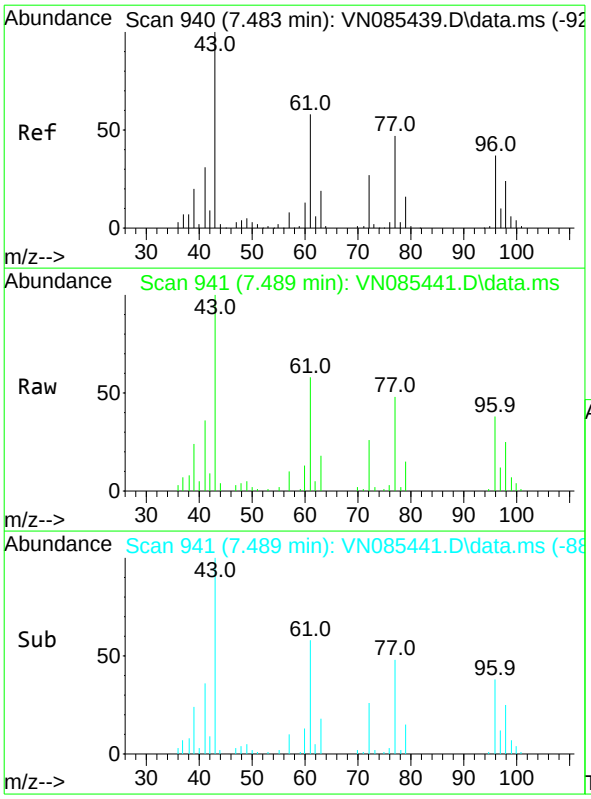


#26
2,2-Dichloropropane
Concen: 9.672 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 77 Resp: 36105

Ion	Ratio	Lower	Upper
77	100		
97	20.8	10.7	32.1





#27
cis-1,2-Dichloroethene
Concen: 9.466 ug/l
RT: 7.489 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

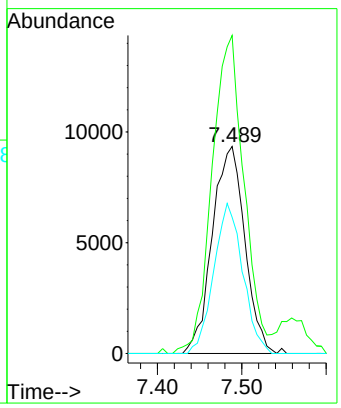
Tgt Ion: 96 Resp: 25049

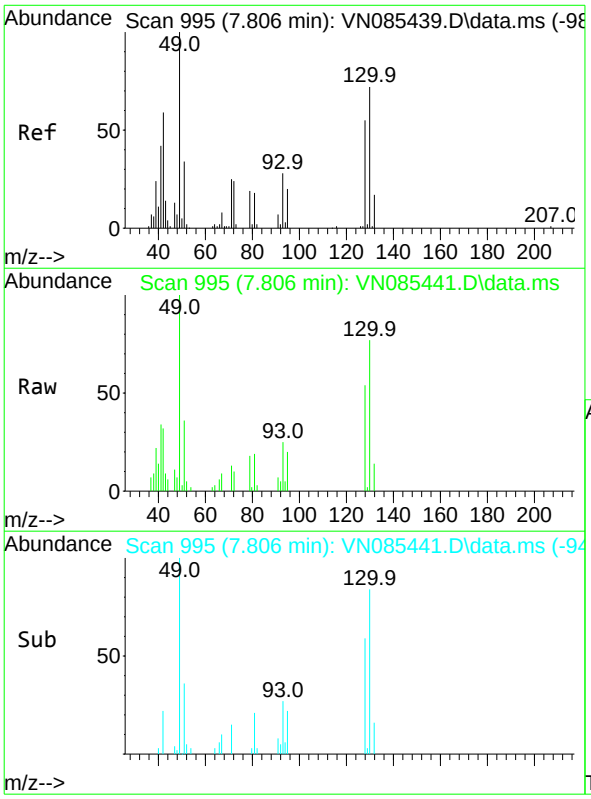
Ion	Ratio	Lower	Upper
96	100		
61	151.8	0.0	311.8
98	64.7	0.0	126.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

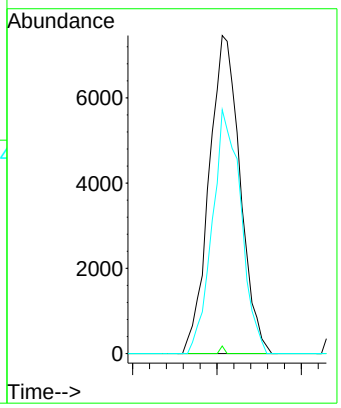


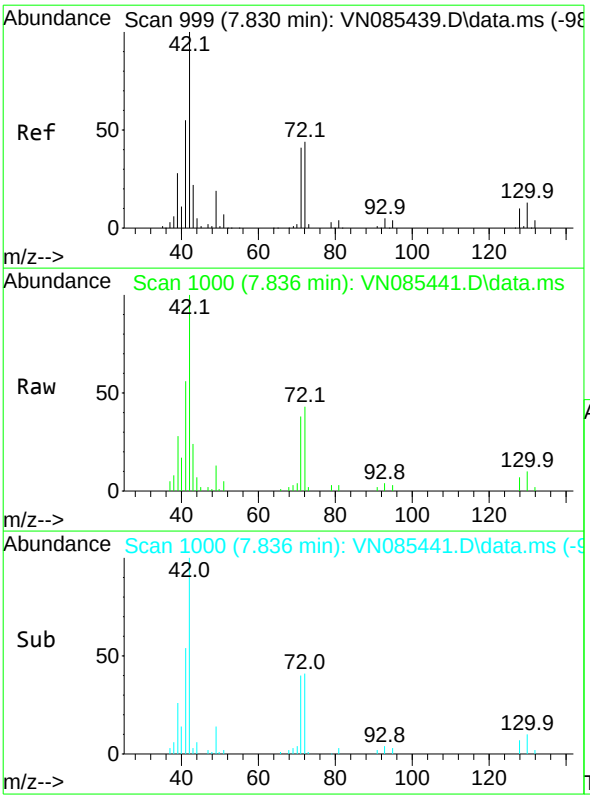


#28
Bromochloromethane
Concen: 8.863 ug/l
RT: 7.806 min Scan# 995
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 49 Resp: 19037

Ion	Ratio	Lower	Upper
49	100		
129	0.3	0.0	4.4
130	70.8	55.0	82.4

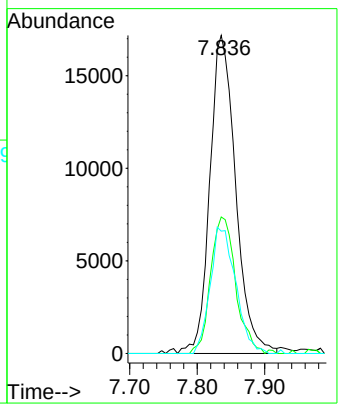




#29
Tetrahydrofuran
Concen: 47.881 ug/l
RT: 7.836 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 42 Resp: 45641

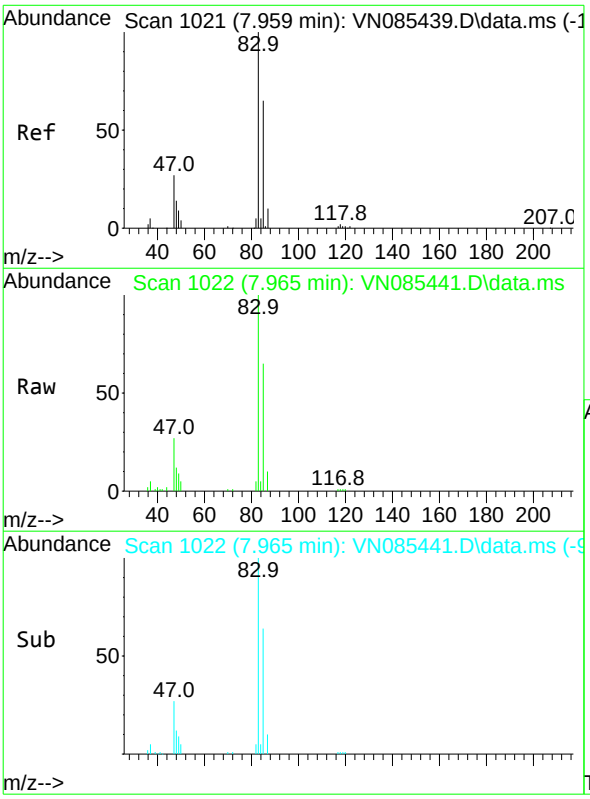
Ion	Ratio	Lower	Upper
42	100		
72	41.6	34.2	51.2
71	39.2	32.5	48.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
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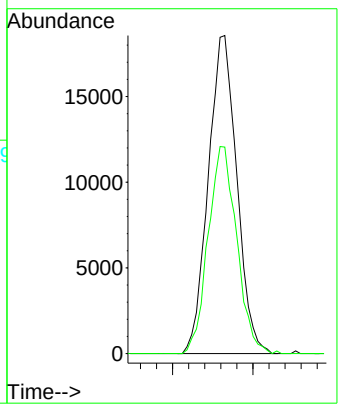
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

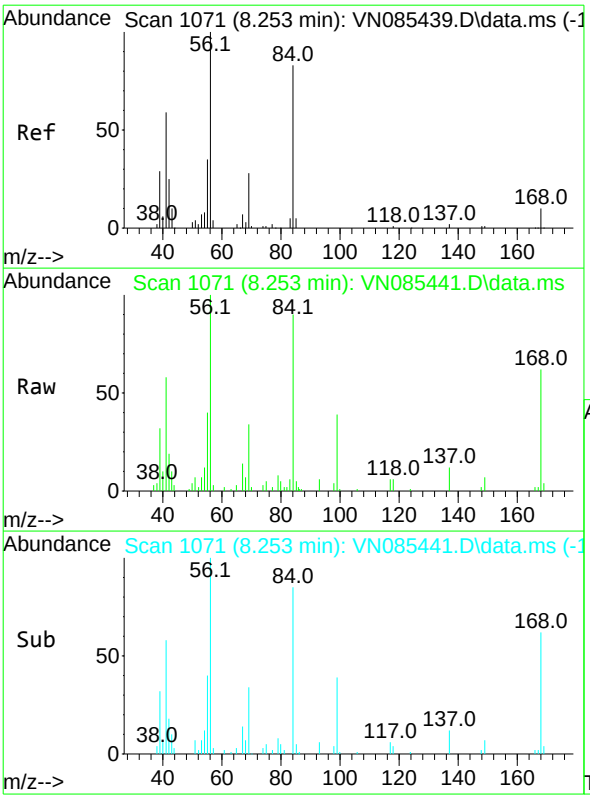


#30
Chloroform
Concen: 9.596 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 83 Resp: 45792

Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.8	77.6

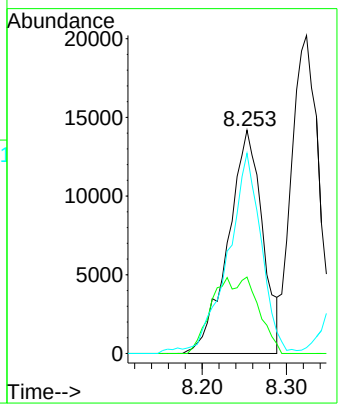




#31
Cyclohexane
Concen: 10.020 ug/l
RT: 8.253 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 56 Resp: 40211

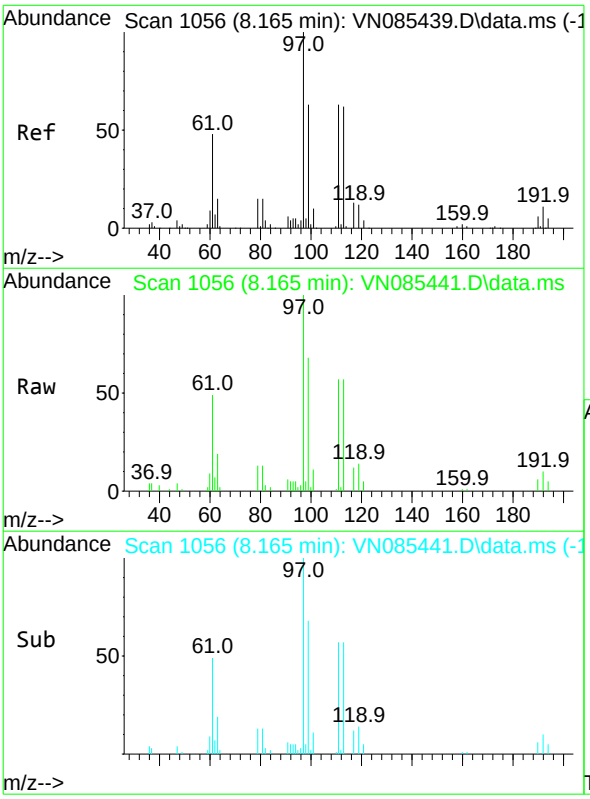
Ion	Ratio	Lower	Upper
56	100		
69	34.2	22.2	33.4#
84	87.2	66.4	99.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

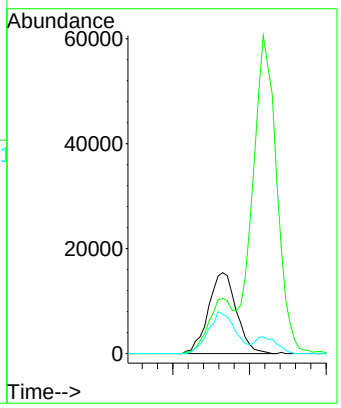
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

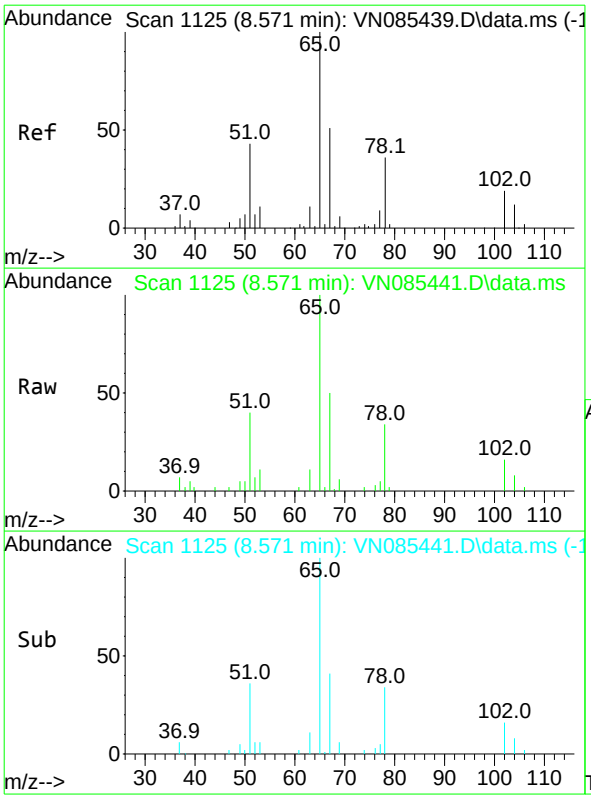


#32
1,1,1-Trichloroethane
Concen: 9.358 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 97 Resp: 39170

Ion	Ratio	Lower	Upper
97	100		
99	62.6	49.8	74.6
61	50.2	41.4	62.2





#33
1,2-Dichloroethane-d4
Concen: 9.442 ug/l
RT: 8.571 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

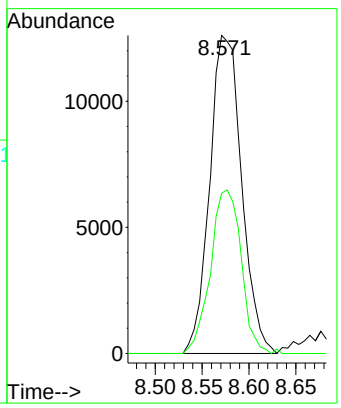
Tgt Ion: 65 Resp: 29856

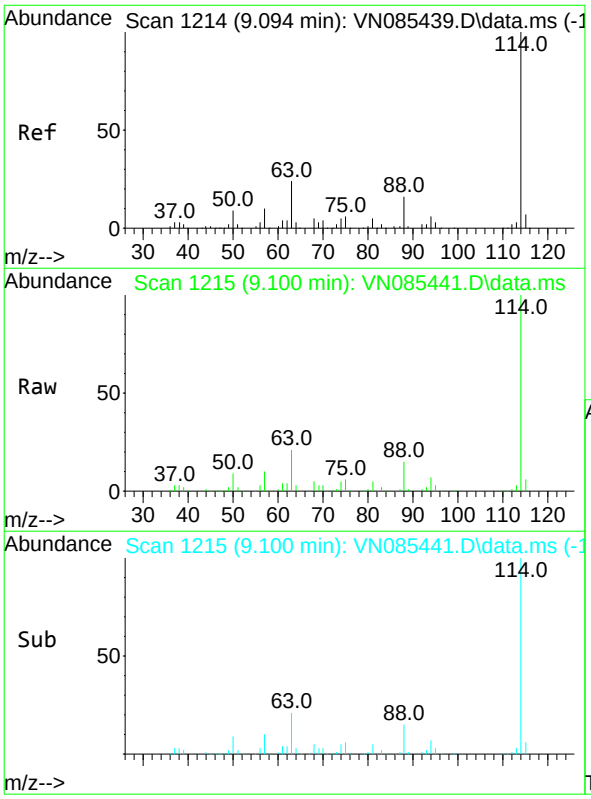
Ion	Ratio	Lower	Upper
65	100		
67	49.5	0.0	101.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

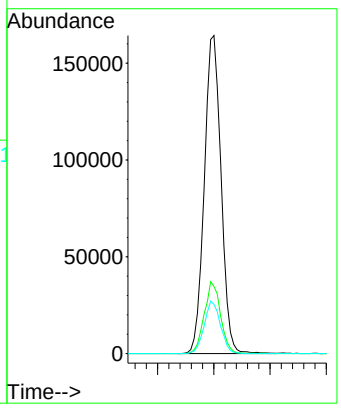


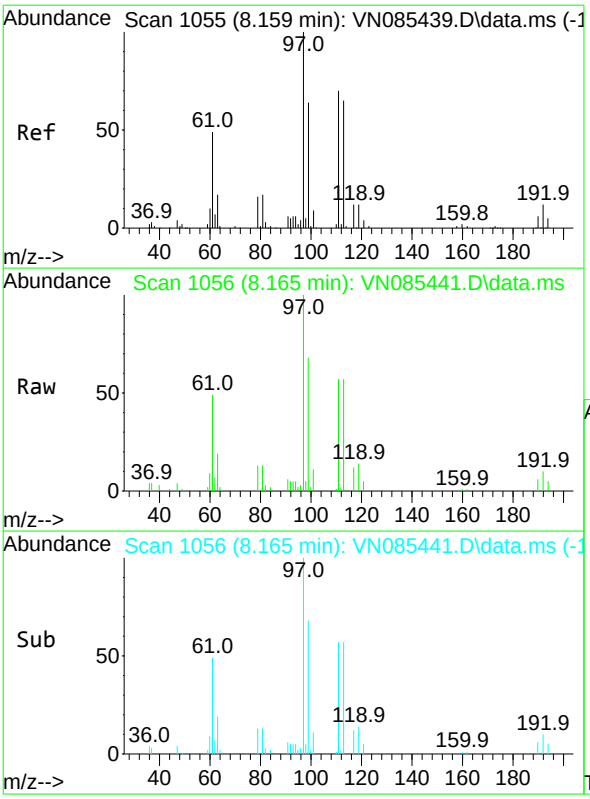


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion:114 Resp: 340403

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	47.6
88	15.5	0.0	32.6

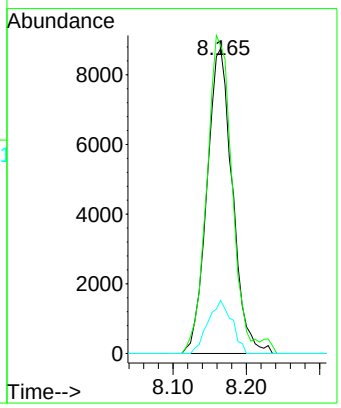




#35
Dibromofluoromethane
Concen: 8.939 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion:113 Resp: 21110

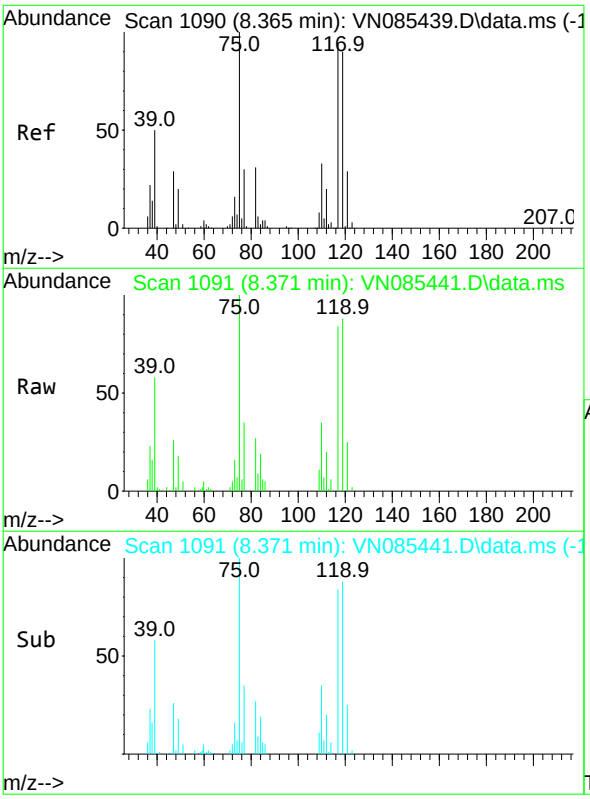
Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.7	124.1
192	16.4	14.3	21.5



Instrument :
MSVOA_N
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Manual Integrations
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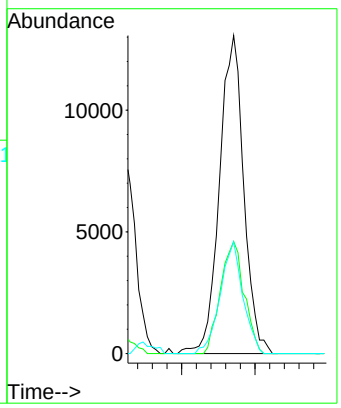
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

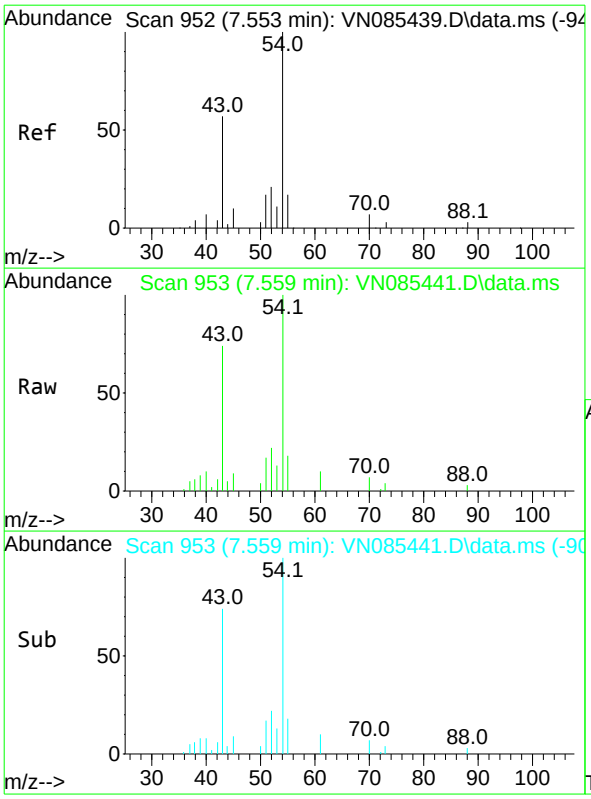


#36
1,1-Dichloropropene
Concen: 9.056 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.006 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 75 Resp: 30015

Ion	Ratio	Lower	Upper
75	100		
110	34.3	16.5	49.5
77	32.9	24.4	36.6





#37
Ethyl Acetate
Concen: 9.195 ug/l
RT: 7.559 min Scan# 95
Delta R.T. 0.006 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

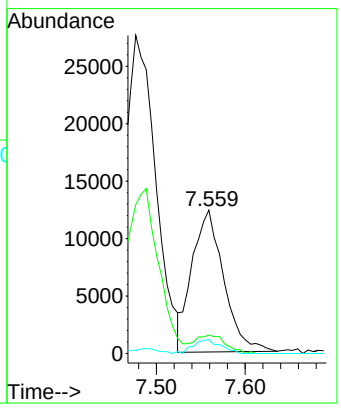
Tgt Ion: 43 Resp: 30760

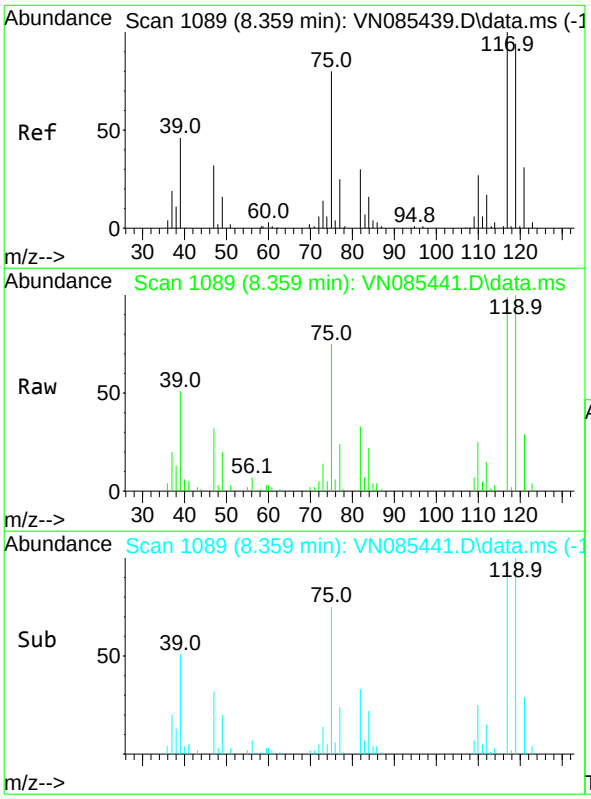
Ion	Ratio	Lower	Upper
43	100		
61	12.2	10.9	16.3
70	8.4	7.5	11.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
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Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

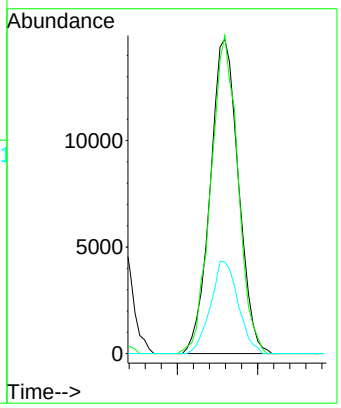


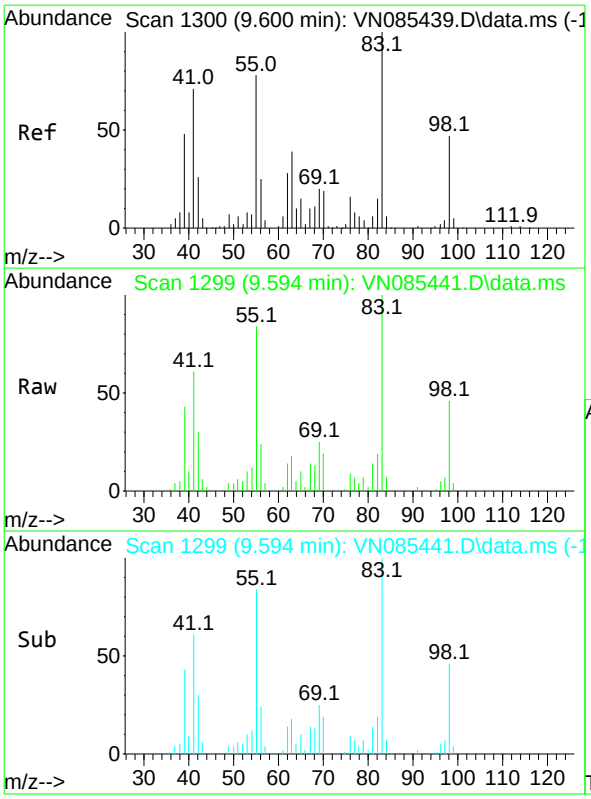


#38
Carbon Tetrachloride
Concen: 9.492 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion:117 Resp: 36015

Ion	Ratio	Lower	Upper
117	100		
119	101.2	75.4	113.2
121	29.1	24.6	37.0

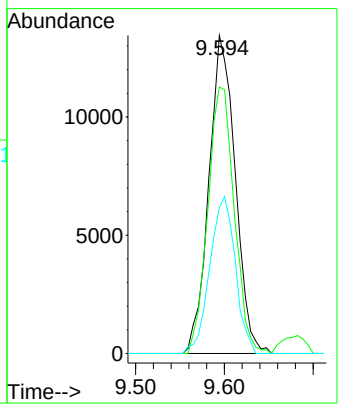




#39
Methylcyclohexane
Concen: 8.900 ug/l
RT: 9.594 min Scan# 12
Delta R.T. -0.006 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 83 Resp: 27721

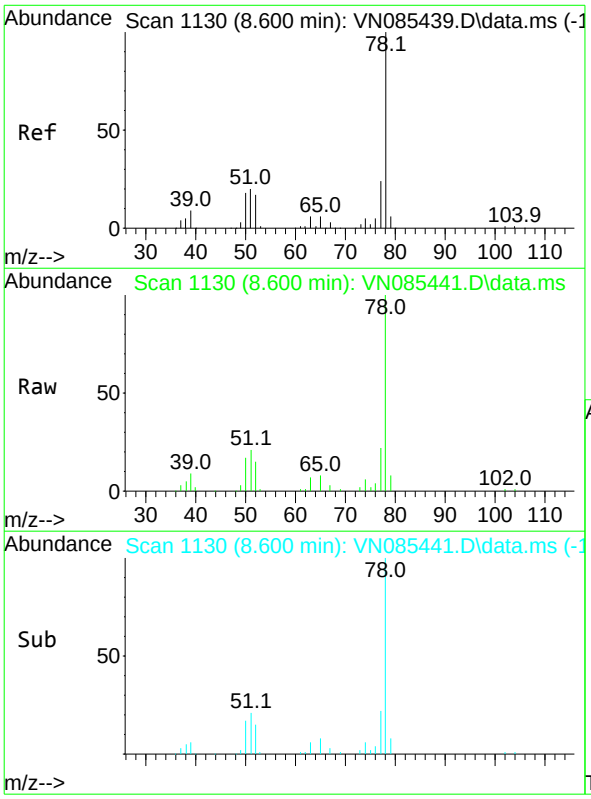
Ion	Ratio	Lower	Upper
83	100		
55	83.8	62.6	94.0
98	45.8	37.7	56.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

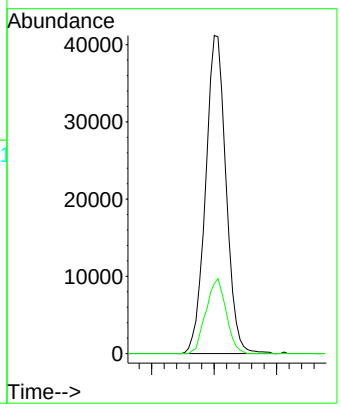
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

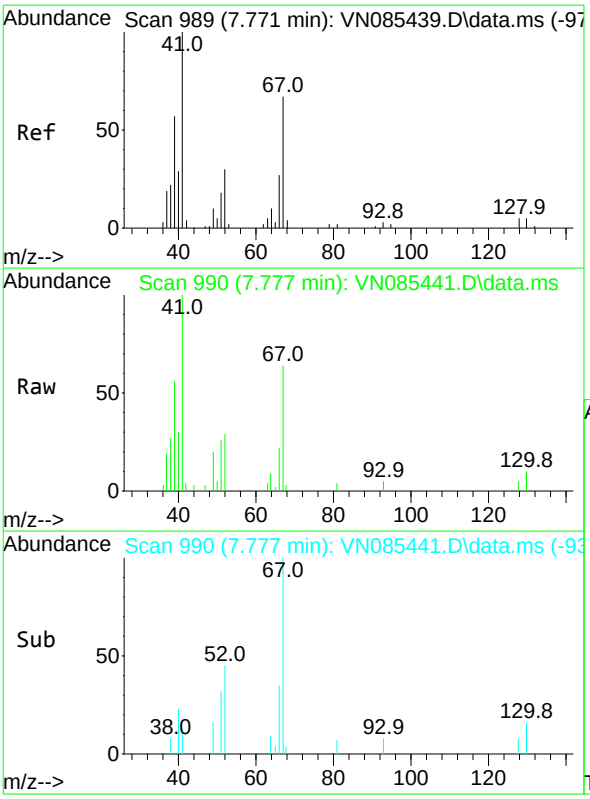


#40
Benzene
Concen: 9.407 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 78 Resp: 93680

Ion	Ratio	Lower	Upper
78	100		
77	22.0	19.0	28.6

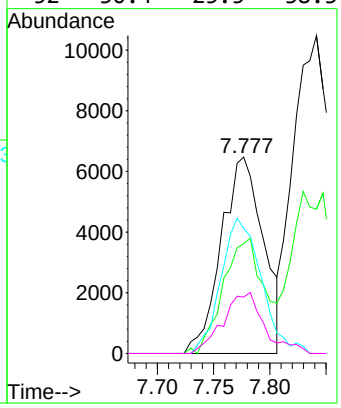




#41
Methacrylonitrile
Concen: 9.686 ug/l
RT: 7.777 min Scan# 99
Delta R.T. 0.006 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 41 Resp: 16859

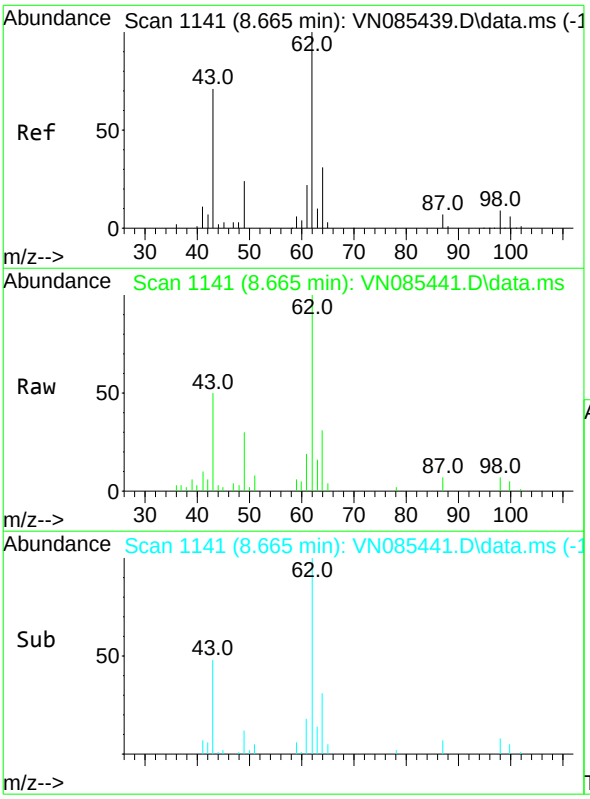
Ion	Ratio	Lower	Upper
41	100		
39	57.3	46.0	69.0
67	66.2	57.4	86.2
52	30.4	25.5	38.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
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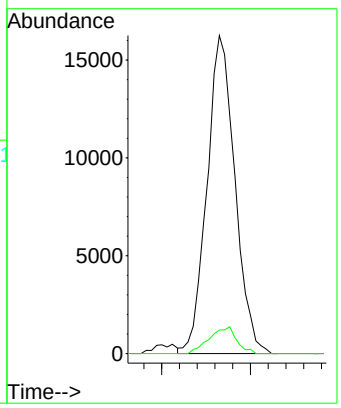
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

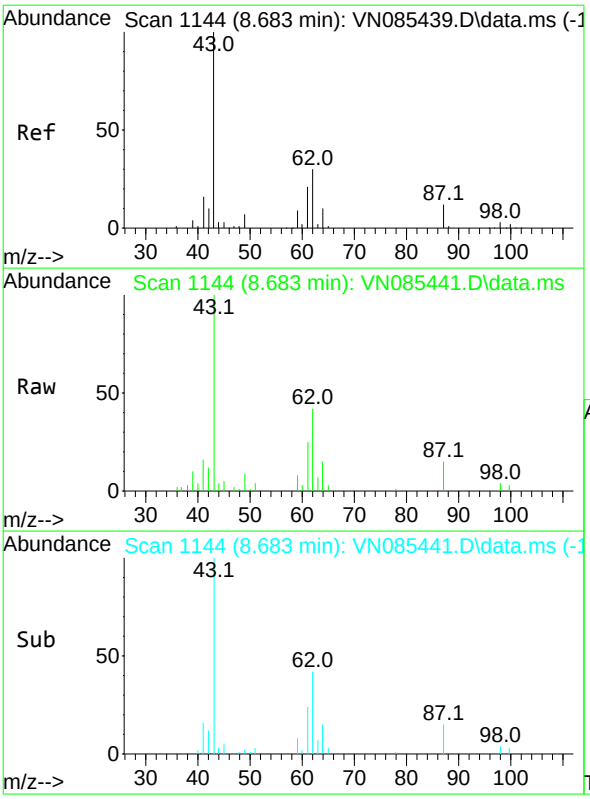


#42
1,2-Dichloroethane
Concen: 9.483 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 62 Resp: 35569

Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	17.0

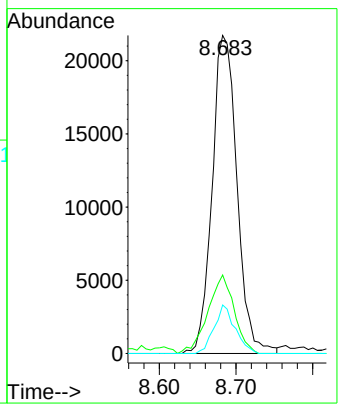




#43
Isopropyl Acetate
Concen: 9.127 ug/l
RT: 8.683 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 43 Resp: 48926

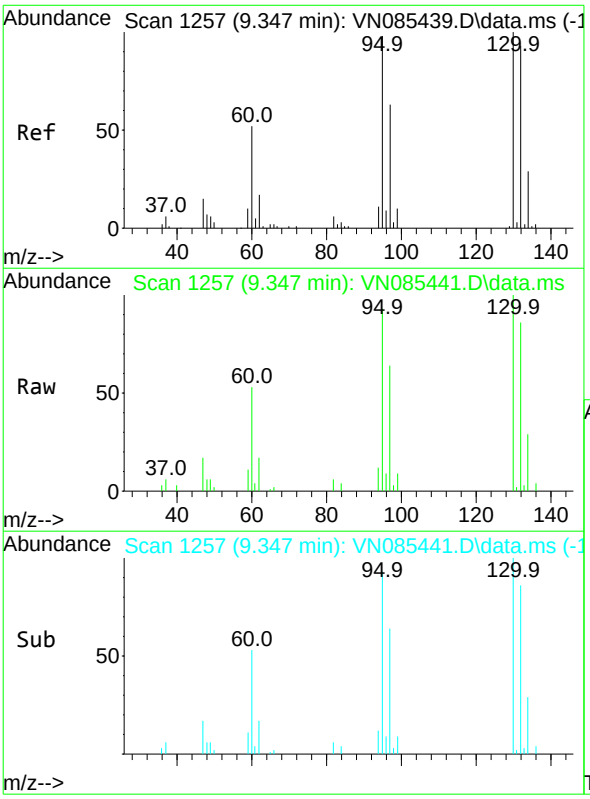
Ion	Ratio	Lower	Upper
43	100		
61	26.2	20.7	31.1
87	12.8	9.8	14.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
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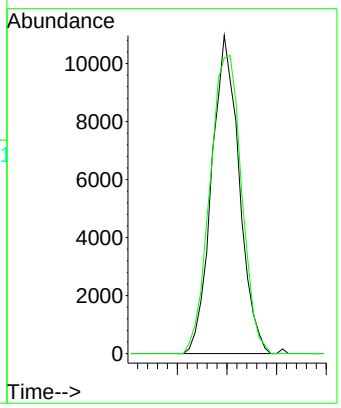
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

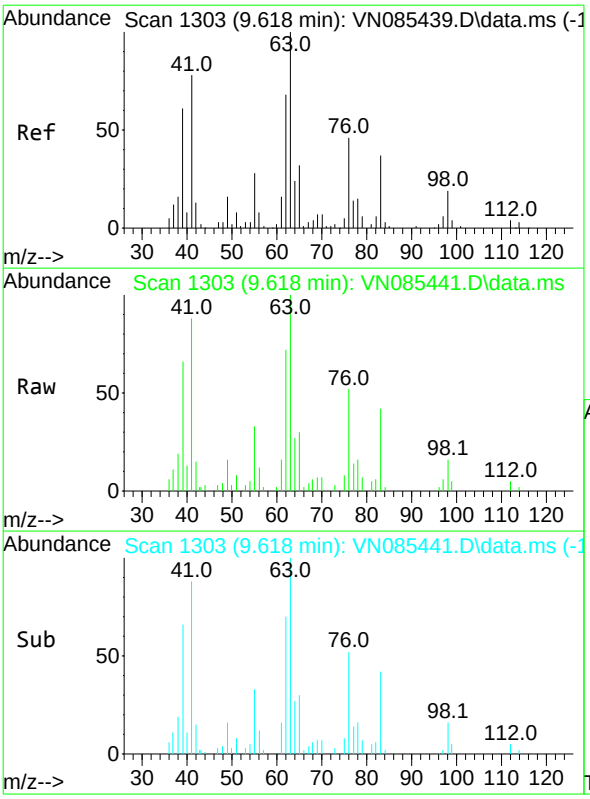


#44
Trichloroethene
Concen: 9.108 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion:130 Resp: 21113

Ion	Ratio	Lower	Upper
130	100		
95	92.9	0.0	195.8

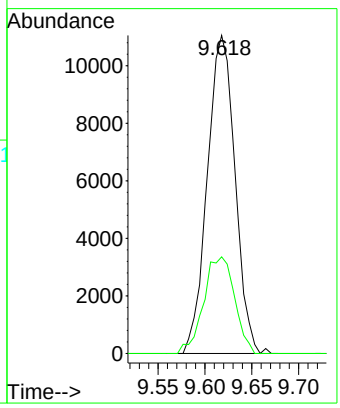




#45
1,2-Dichloropropane
Concen: 8.942 ug/l
RT: 9.618 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 63 Resp: 22747

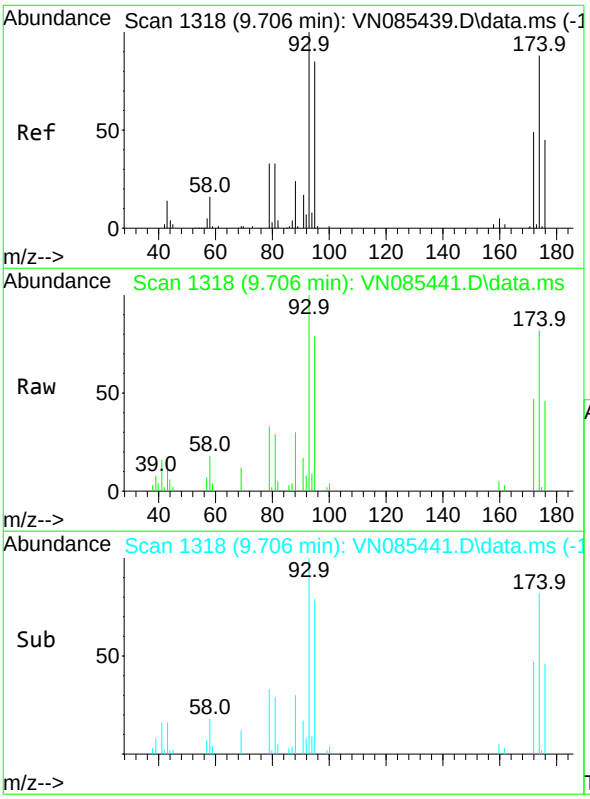
Ion	Ratio	Lower	Upper
63	100		
65	30.4	25.6	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
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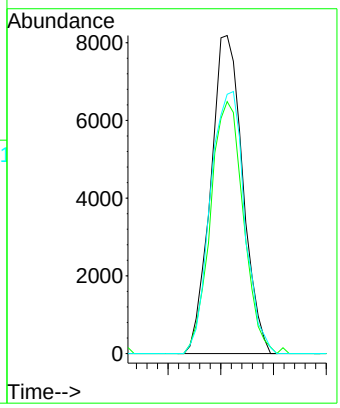
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

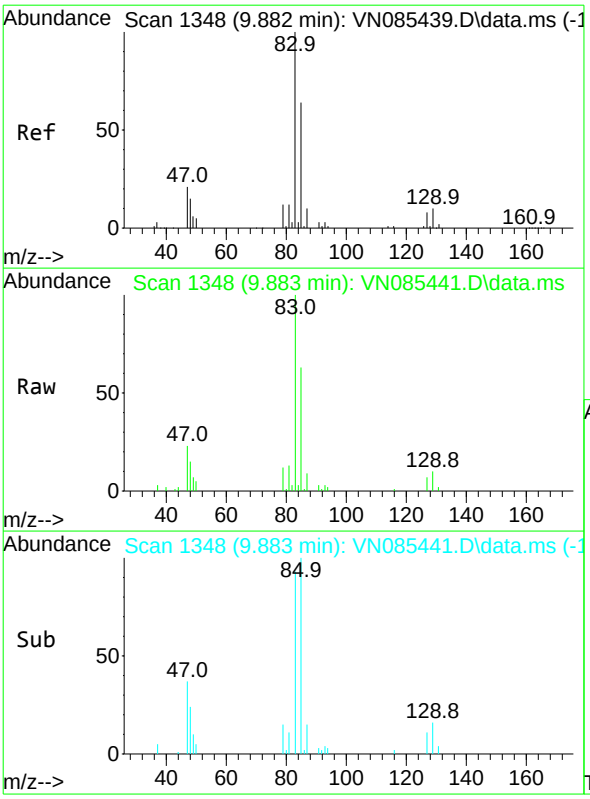


#46
Dibromomethane
Concen: 9.404 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 93 Resp: 17260

Ion	Ratio	Lower	Upper
93	100		
95	81.5	64.7	97.1
174	87.8	69.0	103.4

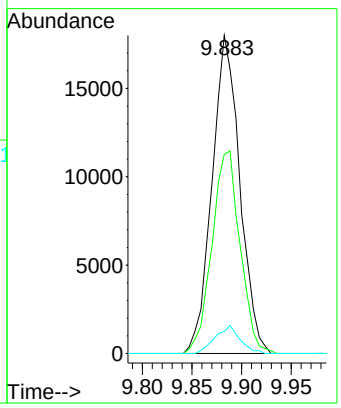




#47
Bromodichloromethane
Concen: 9.365 ug/l
RT: 9.883 min Scan# 13
Delta R.T. 0.001 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 83 Resp: 35020

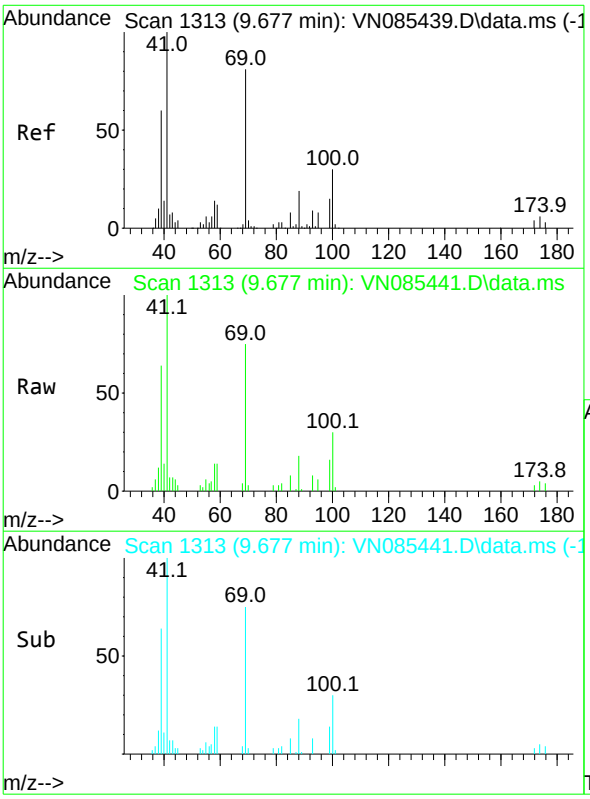
Ion	Ratio	Lower	Upper
83	100		
85	62.6	51.2	76.8
127	6.9	6.5	9.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
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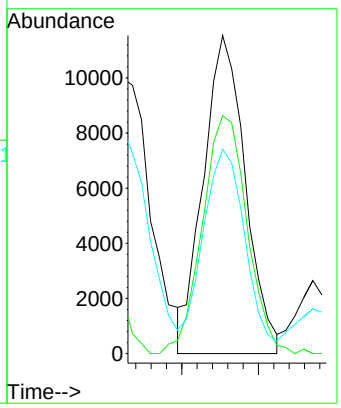
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

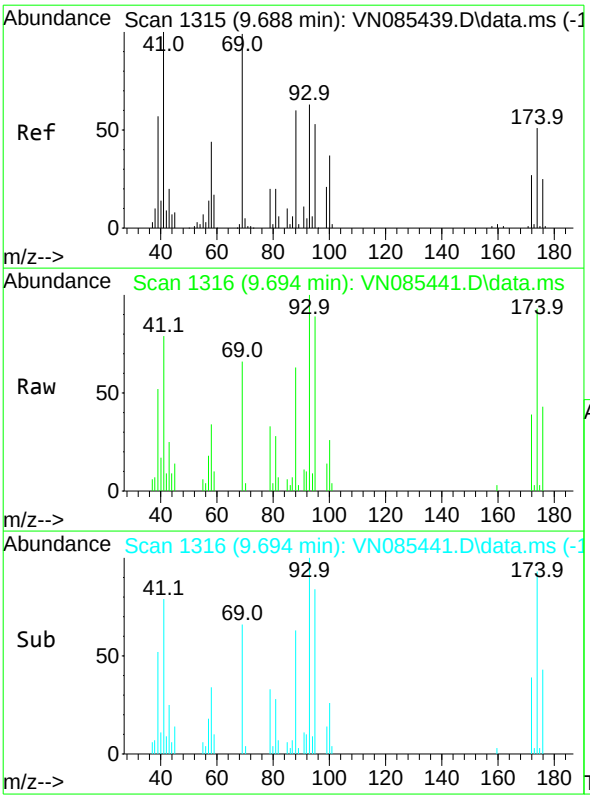


#48
Methyl methacrylate
Concen: 9.067 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 41 Resp: 21873

Ion	Ratio	Lower	Upper
41	100		
69	80.0	64.7	97.1
39	65.2	49.0	73.6





#49
1,4-Dioxane
Concen: 190.382 ug/l
RT: 9.694 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

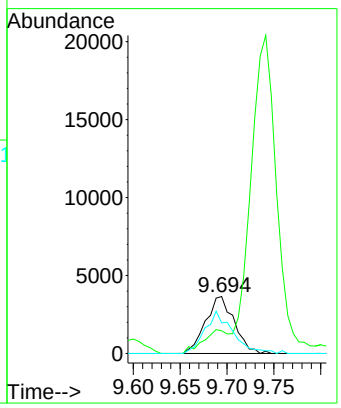
Tgt Ion: 88 Resp: 7734

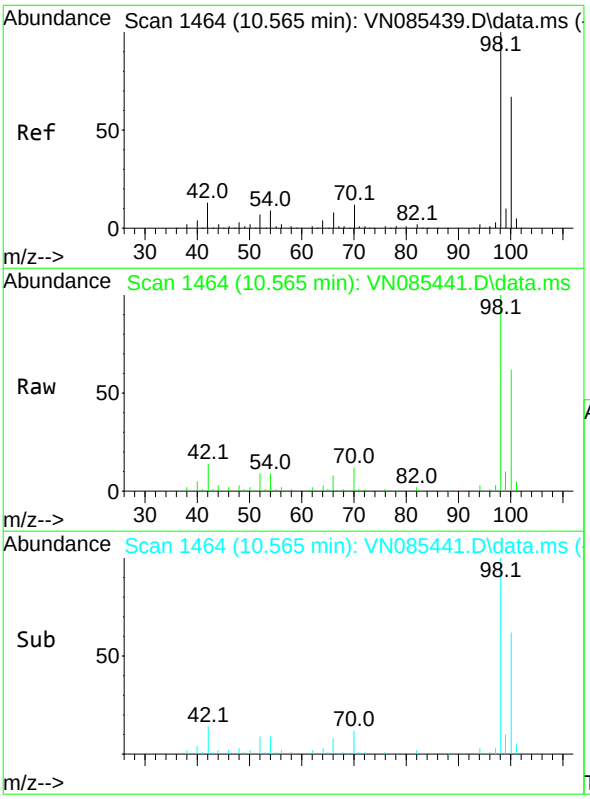
Ion	Ratio	Lower	Upper
88	100		
43	35.2	26.6	39.8
58	73.3	59.5	89.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

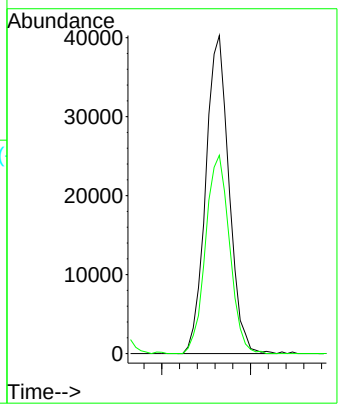


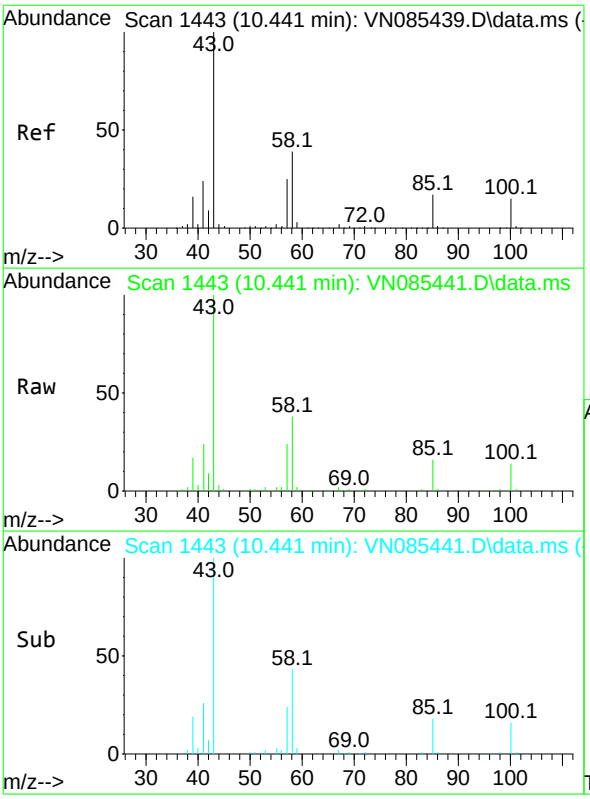


#50
Toluene-d8
Concen: 8.727 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 98 Resp: 73223

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.2	78.4

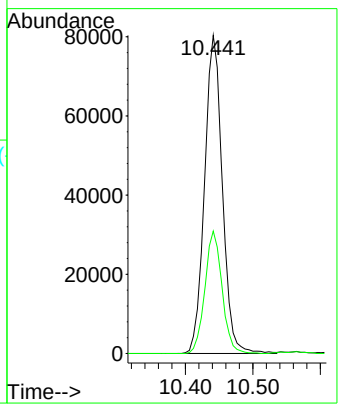




#51
4-Methyl-2-Pentanone
Concen: 47.254 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 43 Resp: 146990

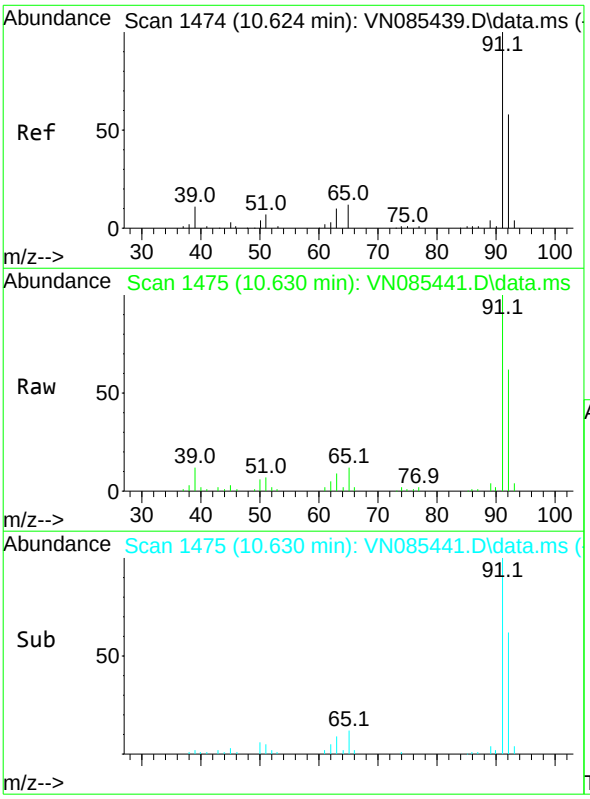
Ion	Ratio	Lower	Upper
43	100		
58	37.1	30.5	45.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
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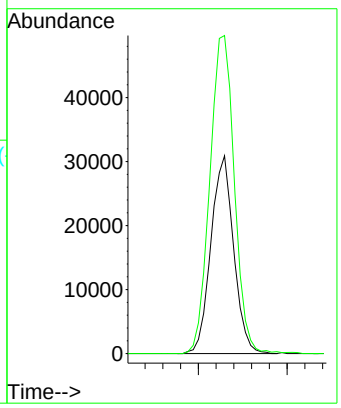
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

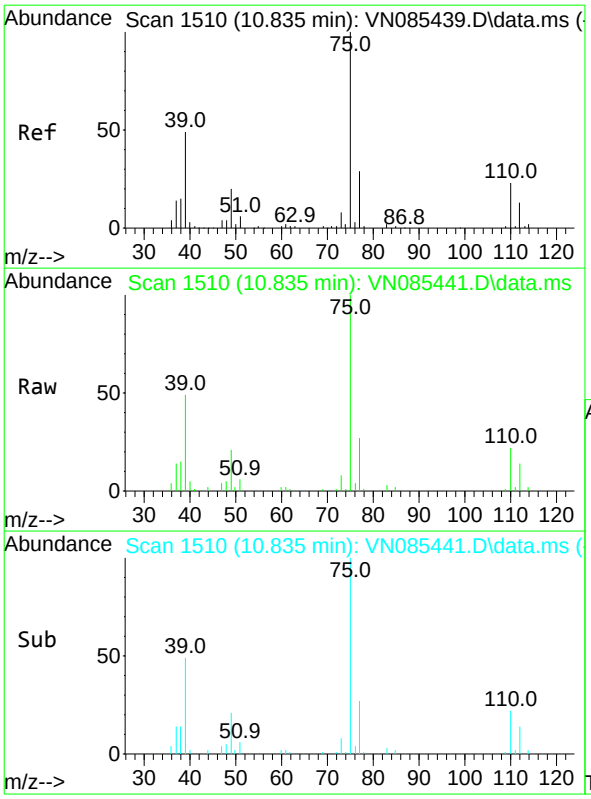


#52
Toluene
Concen: 9.527 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 92 Resp: 54976

Ion	Ratio	Lower	Upper
92	100		
91	173.7	139.2	208.8

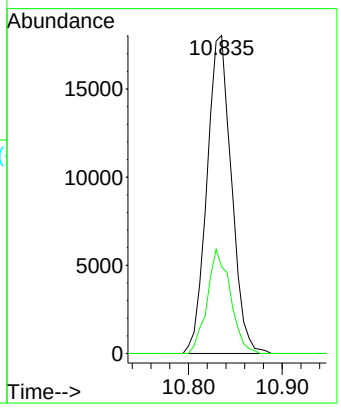




#53
t-1,3-Dichloropropene
Concen: 9.276 ug/l
RT: 10.835 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 75 Resp: 32780

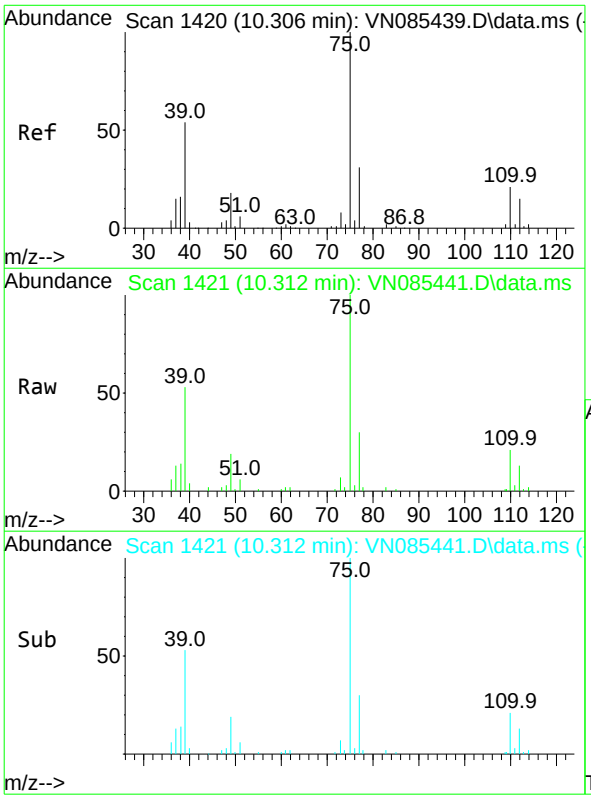
Ion	Ratio	Lower	Upper
75	100		
77	27.2	23.5	35.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
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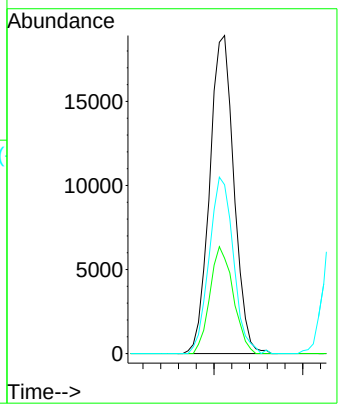
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

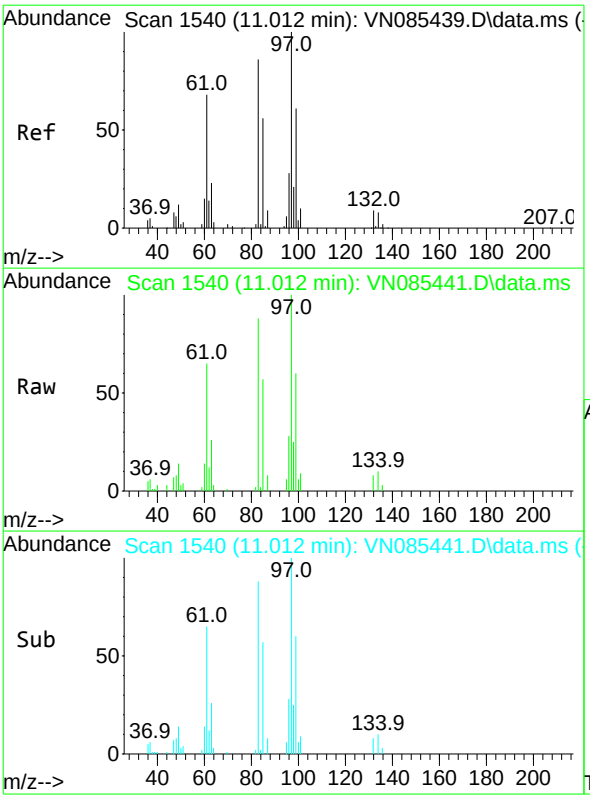


#54
cis-1,3-Dichloropropene
Concen: 9.512 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.006 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 75 Resp: 35904

Ion	Ratio	Lower	Upper
75	100		
77	30.0	25.0	37.4
39	53.1	43.1	64.7

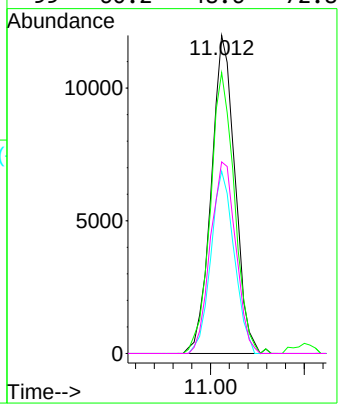




#55
1,1,2-Trichloroethane
Concen: 9.222 ug/l
RT: 11.012 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 97 Resp: 21060

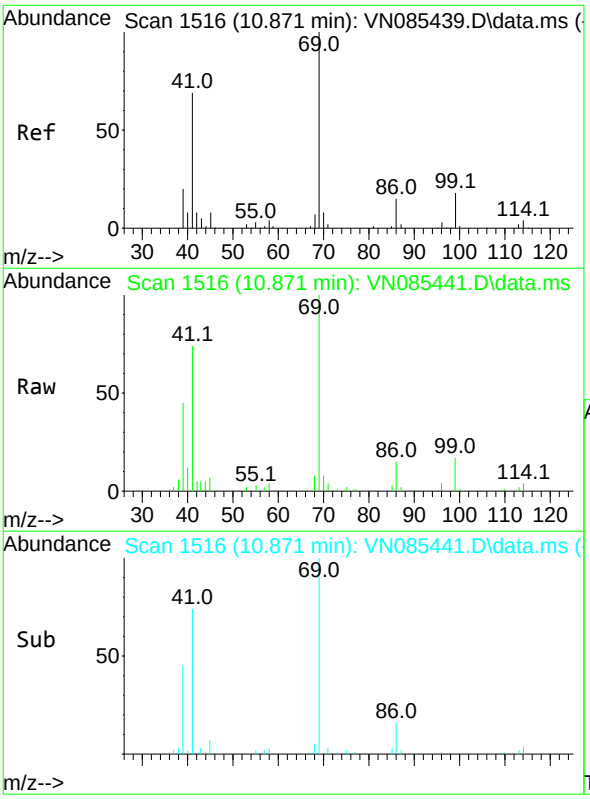
Ion	Ratio	Lower	Upper
97	100		
83	88.3	69.0	103.6
85	57.3	44.6	66.8
99	60.2	48.6	72.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
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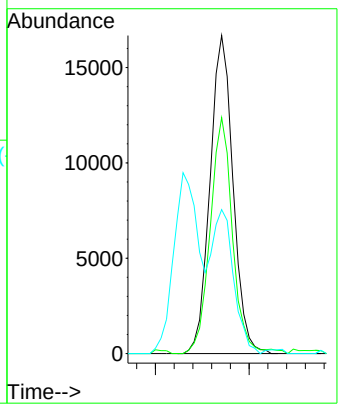
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

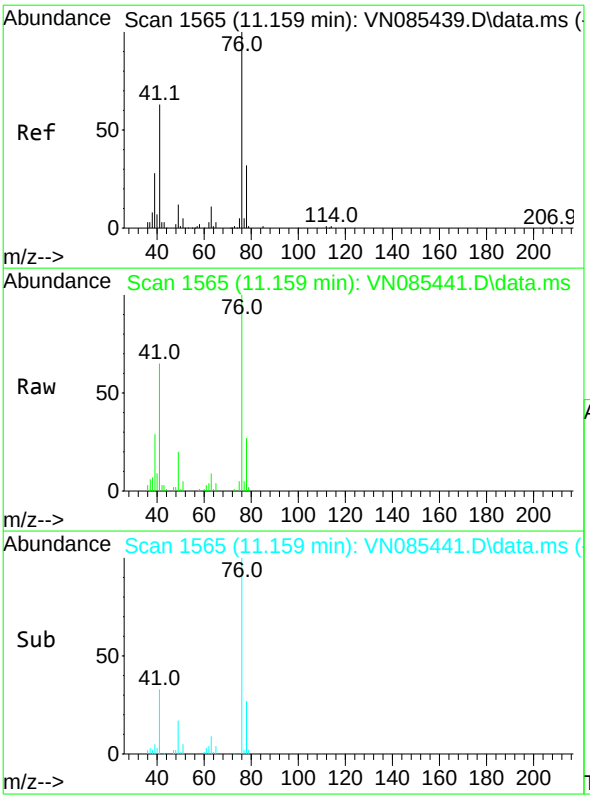


#56
Ethyl methacrylate
Concen: 9.042 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 69 Resp: 28454

Ion	Ratio	Lower	Upper
69	100		
41	72.1	54.6	82.0
39	43.4	32.4	48.6

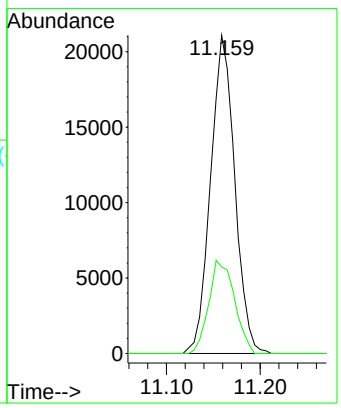




#57
1,3-Dichloropropane
Concen: 9.512 ug/l
RT: 11.159 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 76 Resp: 37768

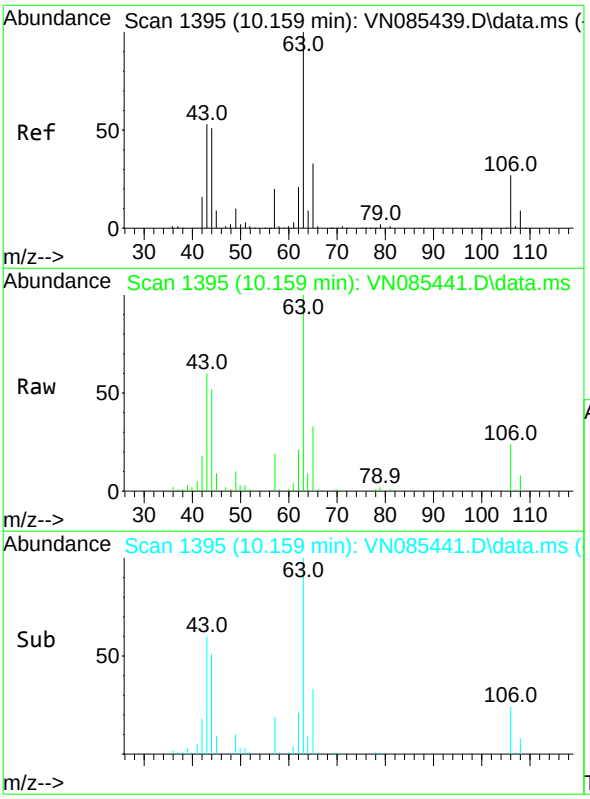
Ion	Ratio	Lower	Upper
76	100		
78	31.1	25.6	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
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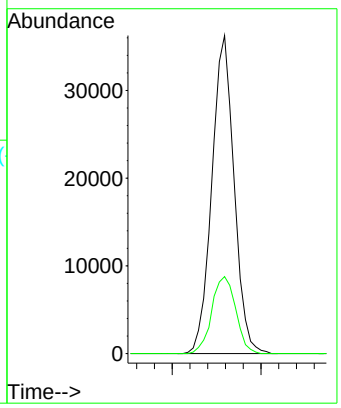
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

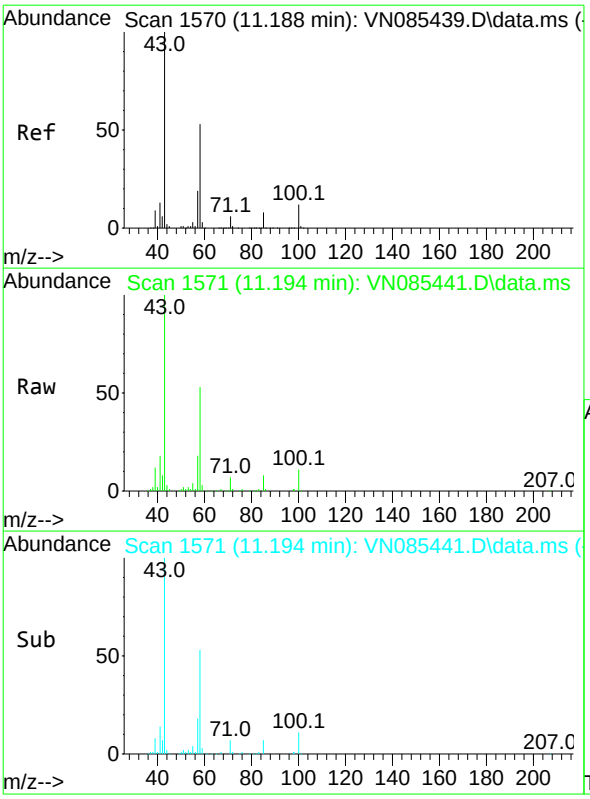


#58
2-Chloroethyl Vinyl ether
Concen: 43.550 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 63 Resp: 63110

Ion	Ratio	Lower	Upper
63	100		
106	26.1	21.6	32.4





#59
2-Hexanone
Concen: 46.291 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

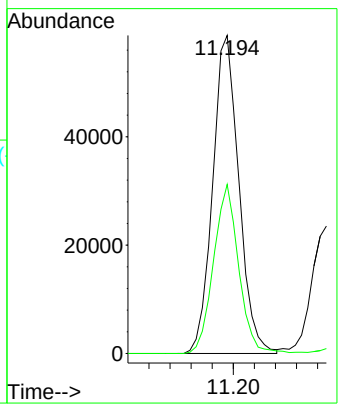
Tgt Ion: 43 Resp: 101318

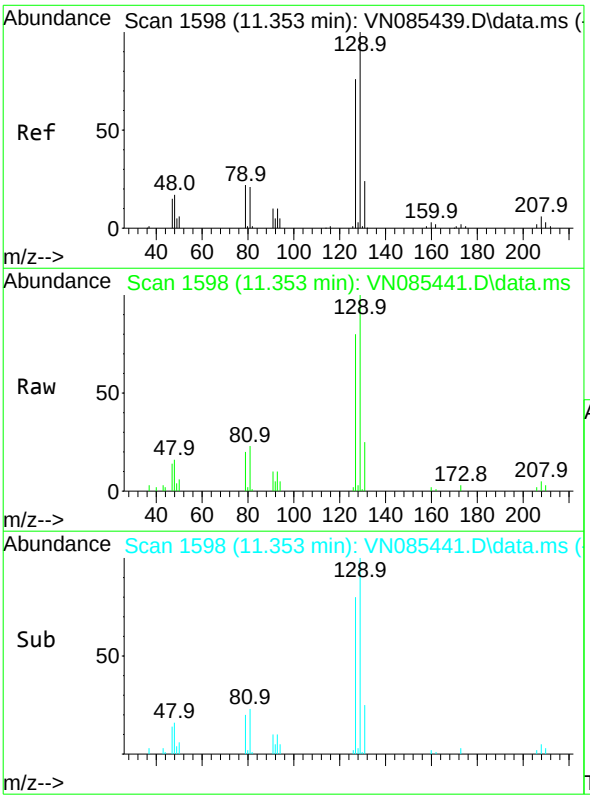
Ion	Ratio	Lower	Upper
43	100		
58	50.9	26.2	78.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
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Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

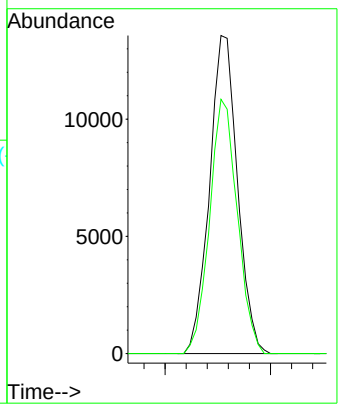


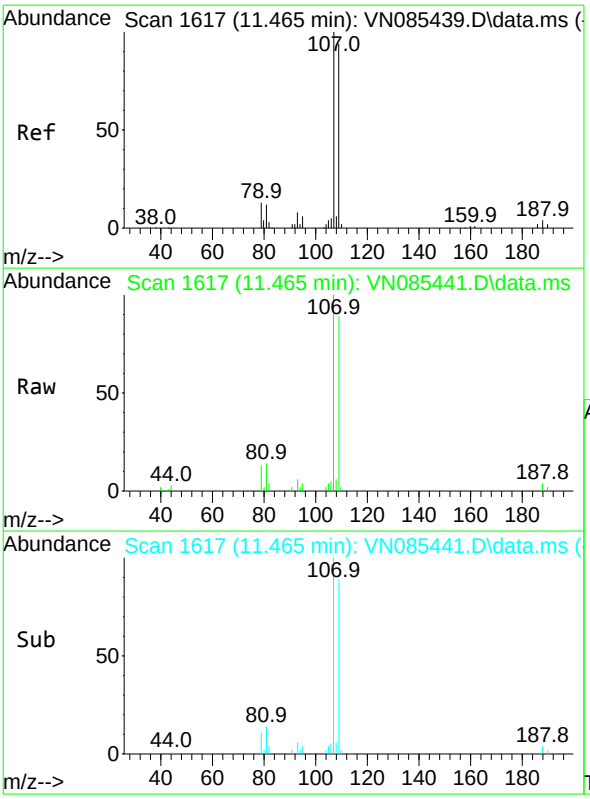


#60
Dibromochloromethane
Concen: 9.079 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion:129 Resp: 25029

Ion	Ratio	Lower	Upper
129	100		
127	79.1	38.6	115.8

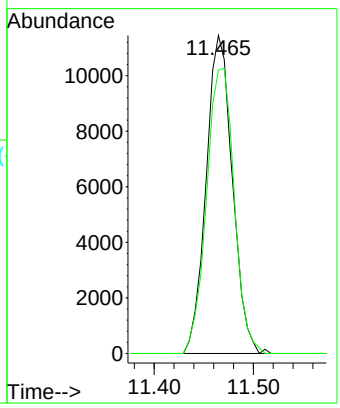




#61
1,2-Dibromoethane
Concen: 9.263 ug/l
RT: 11.465 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion:107 Resp: 21055

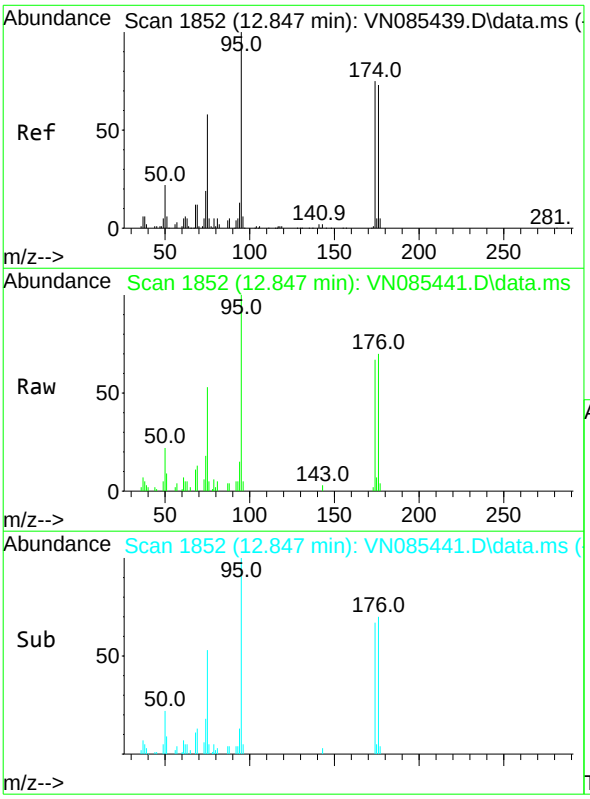
Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.9	113.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
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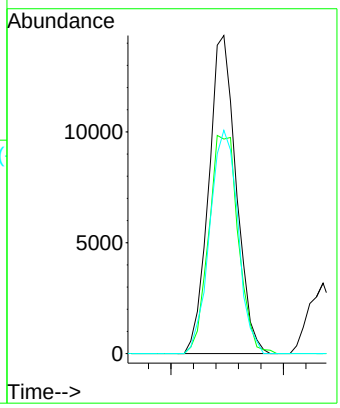
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

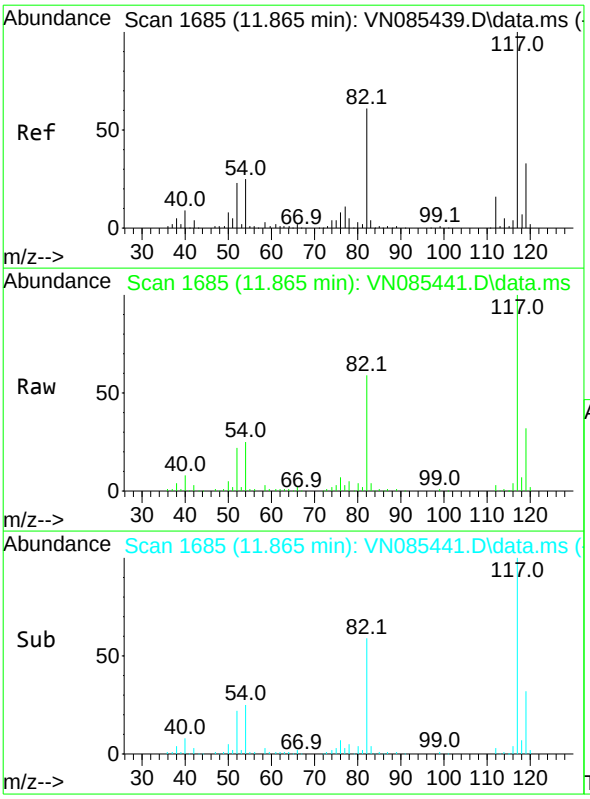


#62
4-Bromofluorobenzene
Concen: 8.476 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 95 Resp: 24327

Ion	Ratio	Lower	Upper
95	100		
174	73.9	0.0	145.0
176	72.1	0.0	142.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

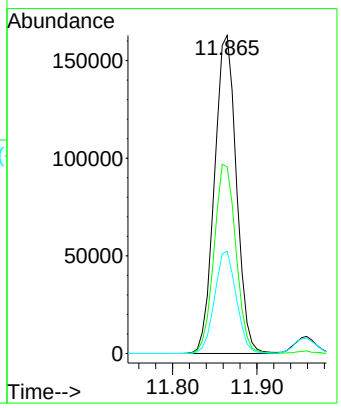
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

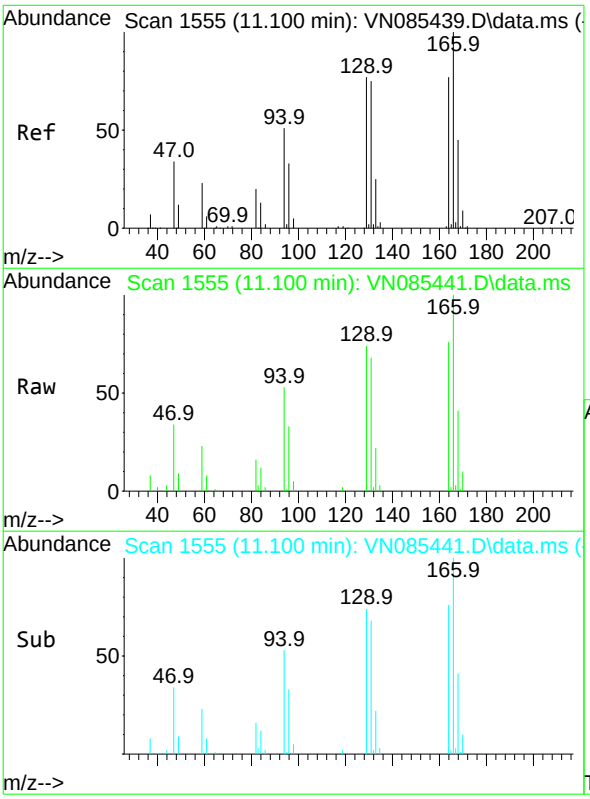
Tgt Ion:117 Resp: 294508

Ion	Ratio	Lower	Upper
117	100		
82	58.7	48.6	72.8
119	32.2	26.6	39.8

Manual Integrations
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Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

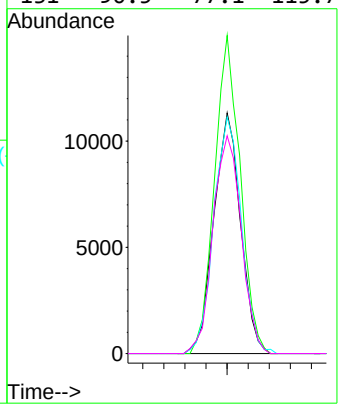


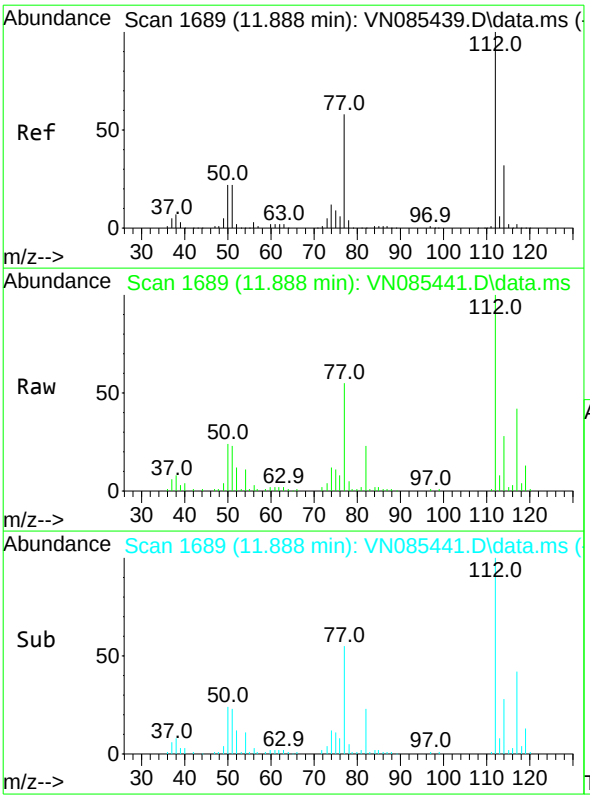


#64
Tetrachloroethene
Concen: 9.928 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion:164 Resp: 19934

Ion	Ratio	Lower	Upper
164	100		
166	132.2	103.4	155.2
129	98.3	79.2	118.8
131	90.5	77.1	115.7

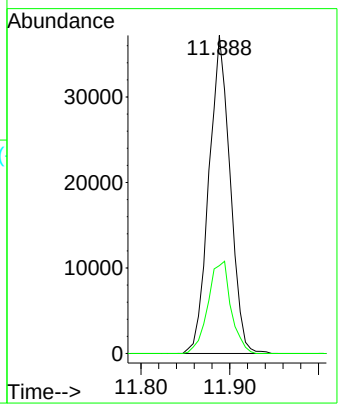




#65
Chlorobenzene
Concen: 9.560 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion:112 Resp: 61680

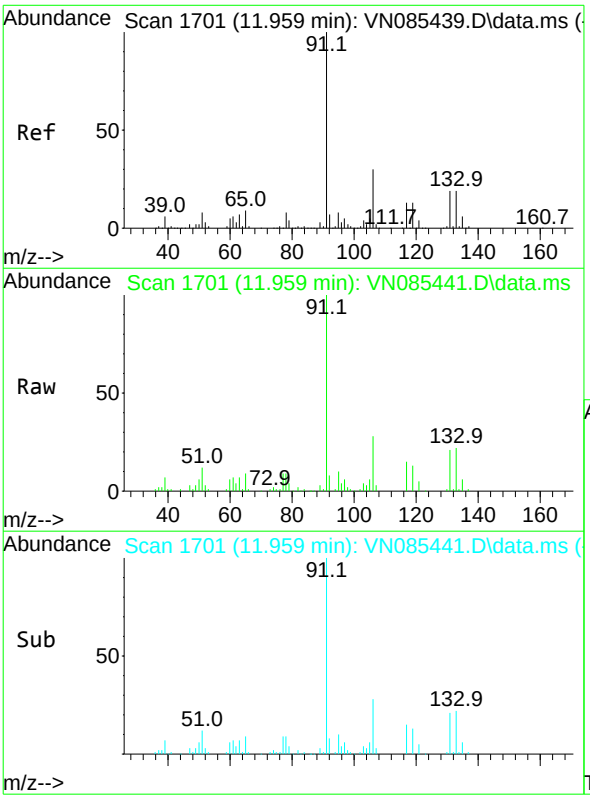
Ion	Ratio	Lower	Upper
112	100		
114	27.6	25.3	37.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
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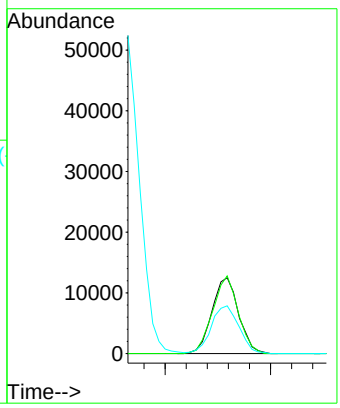
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

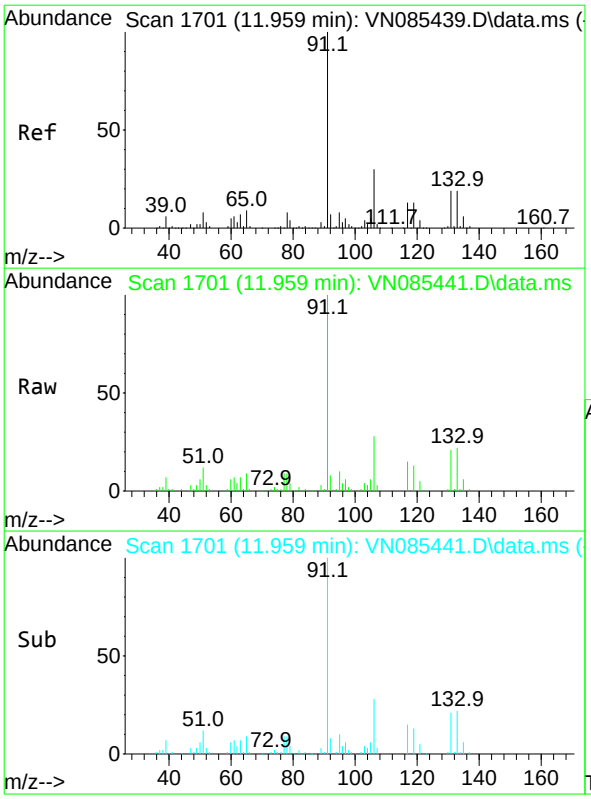


#66
1,1,1,2-Tetrachloroethane
Concen: 9.229 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion:131 Resp: 21853

Ion	Ratio	Lower	Upper
131	100		
133	98.5	47.4	142.3
119	66.0	33.1	99.5

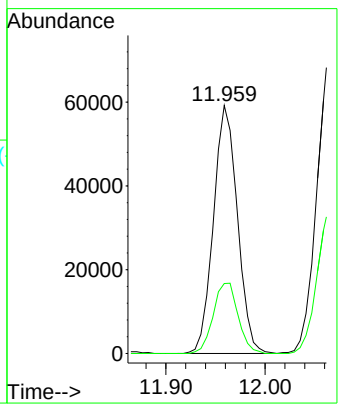




#67
Ethyl Benzene
Concen: 9.445 ug/l
RT: 11.959 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 91 Resp: 99248

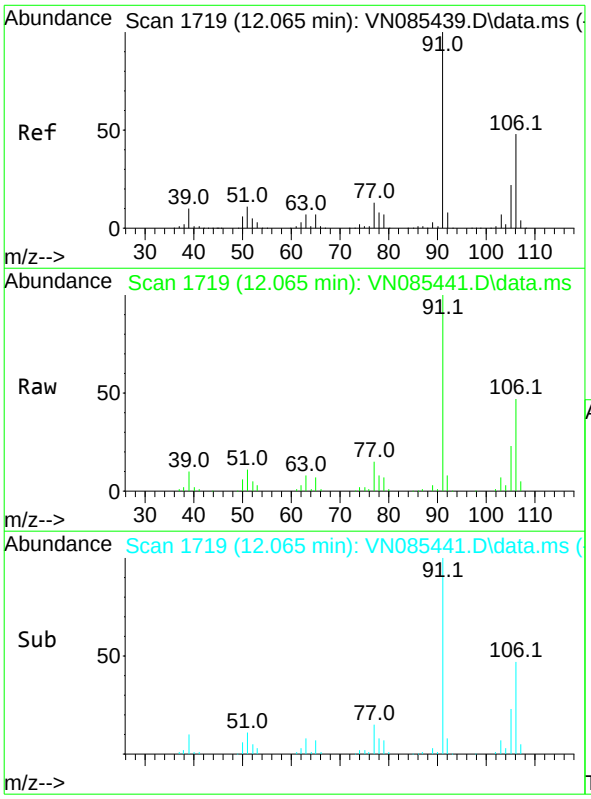
Ion	Ratio	Lower	Upper
91	100		
106	28.2	23.8	35.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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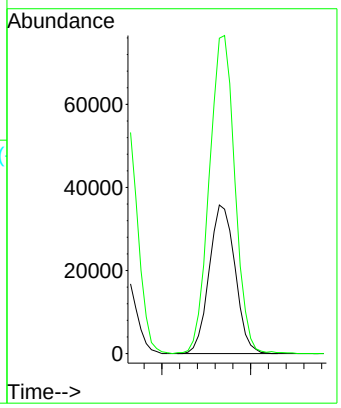
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

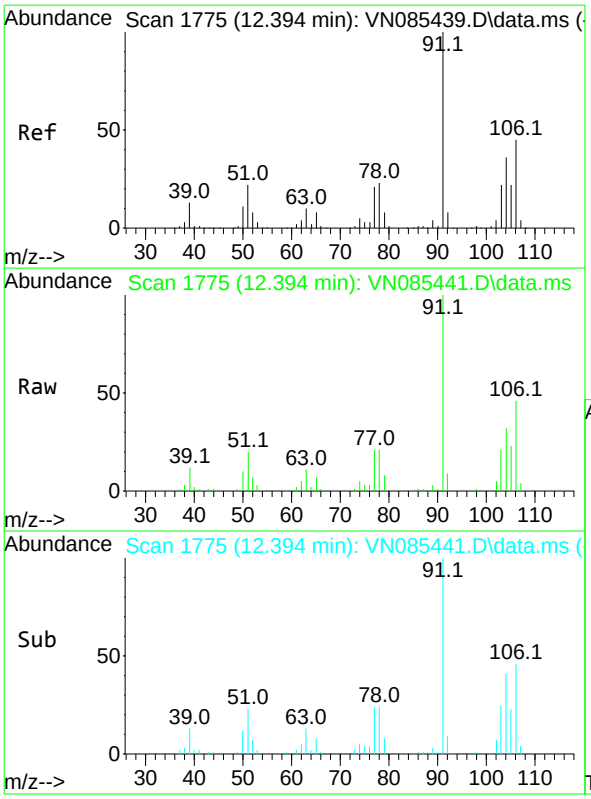


#68
m/p-Xylenes
Concen: 18.650 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion:106 Resp: 72431

Ion	Ratio	Lower	Upper
106	100		
91	211.7	167.7	251.5

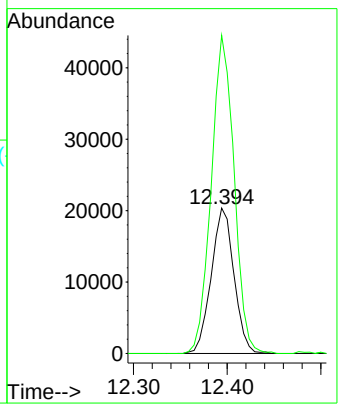




#69
o-Xylene
Concen: 9.264 ug/l
RT: 12.394 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion:106 Resp: 34382

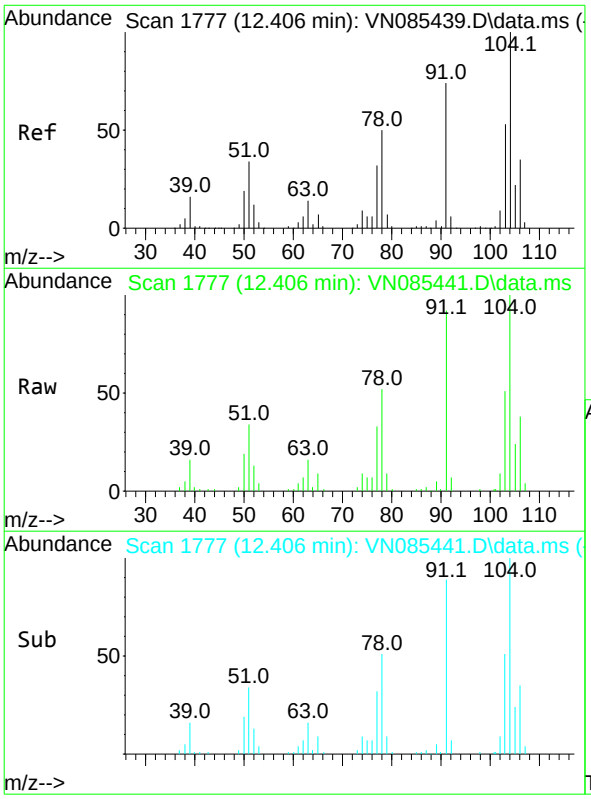
Ion	Ratio	Lower	Upper
106	100		
91	219.5	110.4	331.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
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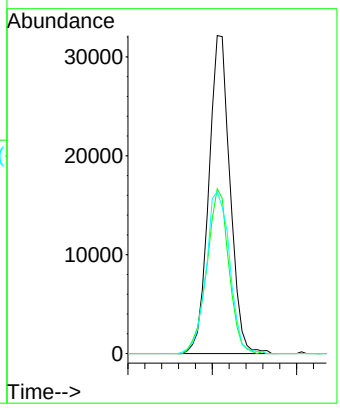
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

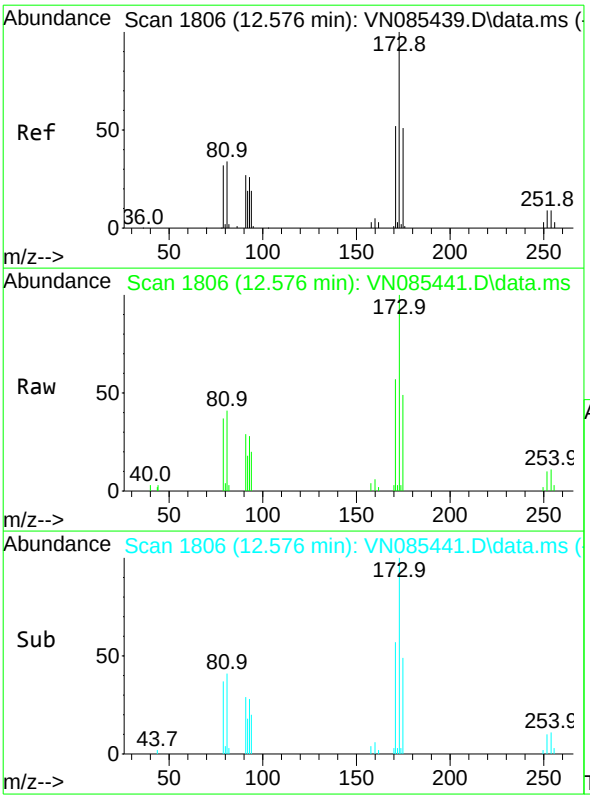


#70
Styrene
Concen: 9.163 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion:104 Resp: 56285

Ion	Ratio	Lower	Upper
104	100		
78	53.8	42.5	63.7
103	56.8	43.8	65.8

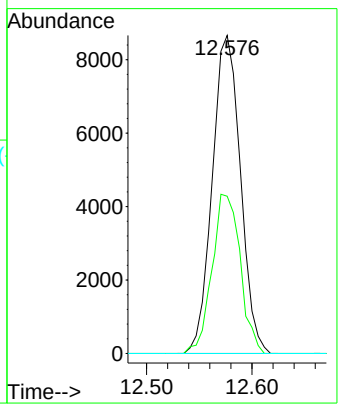




#71
Bromoform
Concen: 9.485 ug/l
RT: 12.576 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion:173 Resp: 16071

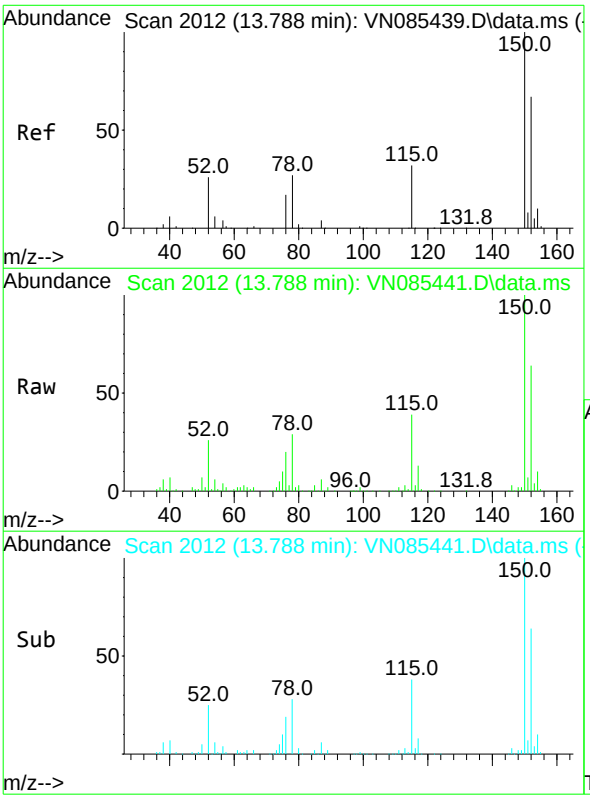
Ion	Ratio	Lower	Upper
173	100		
175	50.0	24.4	73.2
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

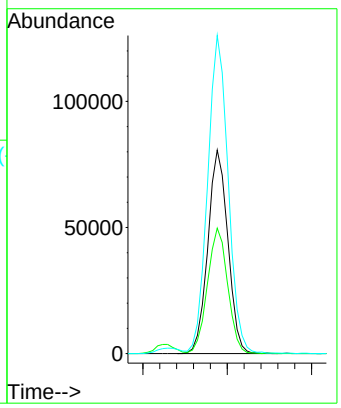
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

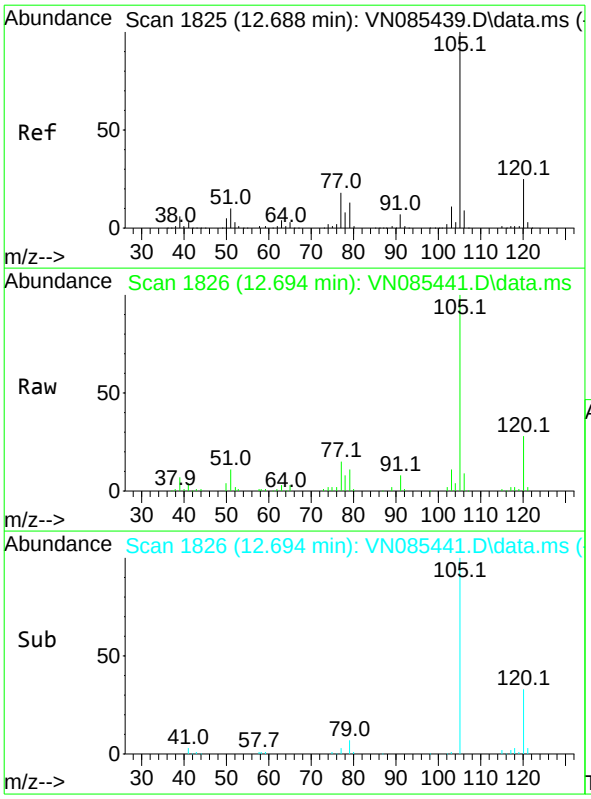


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion:152 Resp: 132934

Ion	Ratio	Lower	Upper
152	100		
115	62.3	31.1	93.3
150	159.8	0.0	343.6

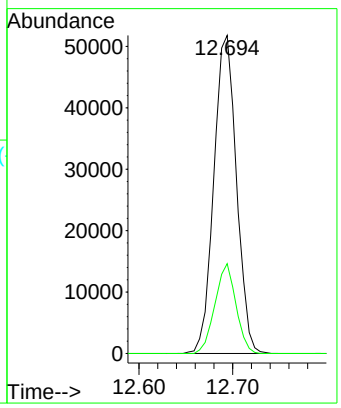




#73
Isopropylbenzene
Concen: 9.697 ug/l
RT: 12.694 min Scan# 18
Delta R.T. 0.006 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion:105 Resp: 87003

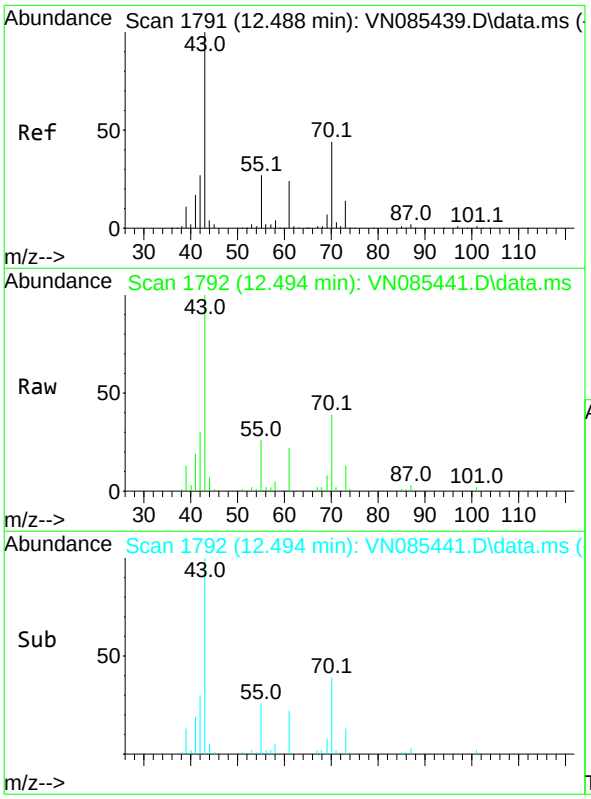
Ion	Ratio	Lower	Upper
105	100		
120	26.1	12.8	38.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

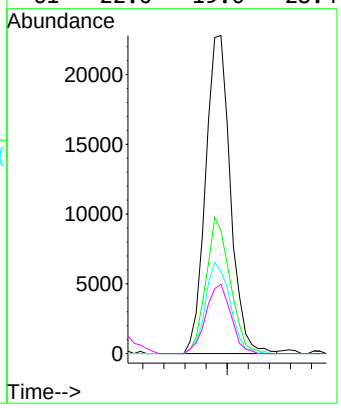
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

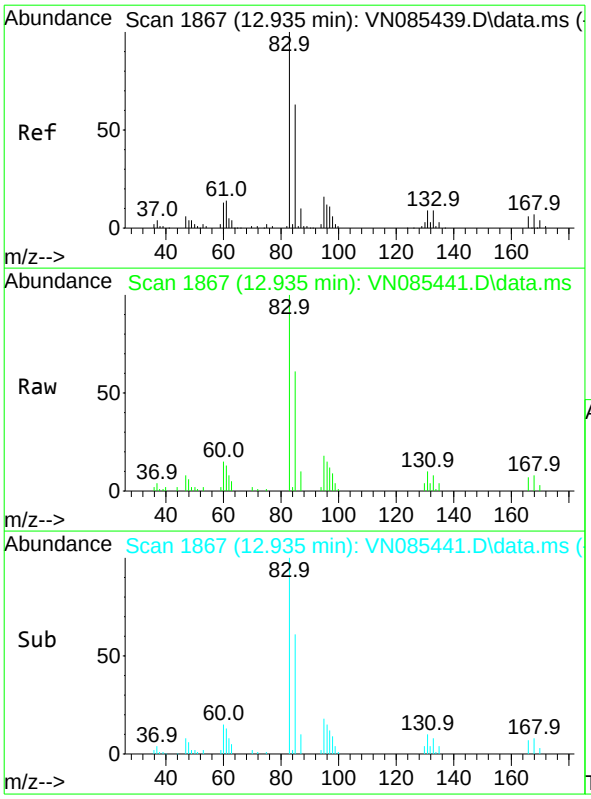


#74
N-amyl acetate
Concen: 9.260 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 43 Resp: 37343

Ion	Ratio	Lower	Upper
43	100		
70	41.4	34.0	51.0
55	28.5	21.4	32.2
61	22.0	19.0	28.4

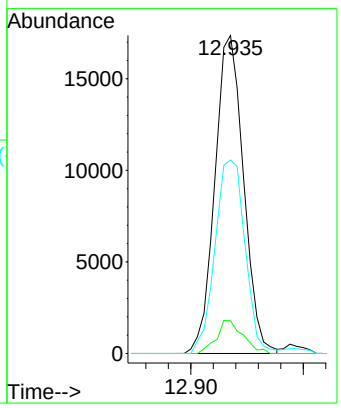




#75
1,1,2,2-Tetrachloroethane
Concen: 9.709 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 83 Resp: 30770

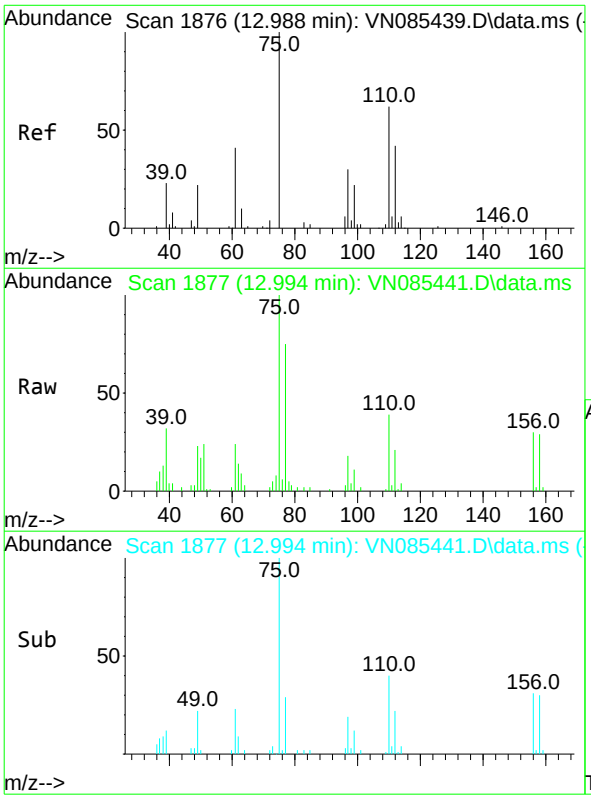
Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.8	14.4
85	63.6	32.2	96.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

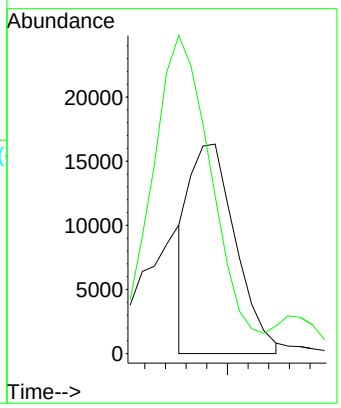
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

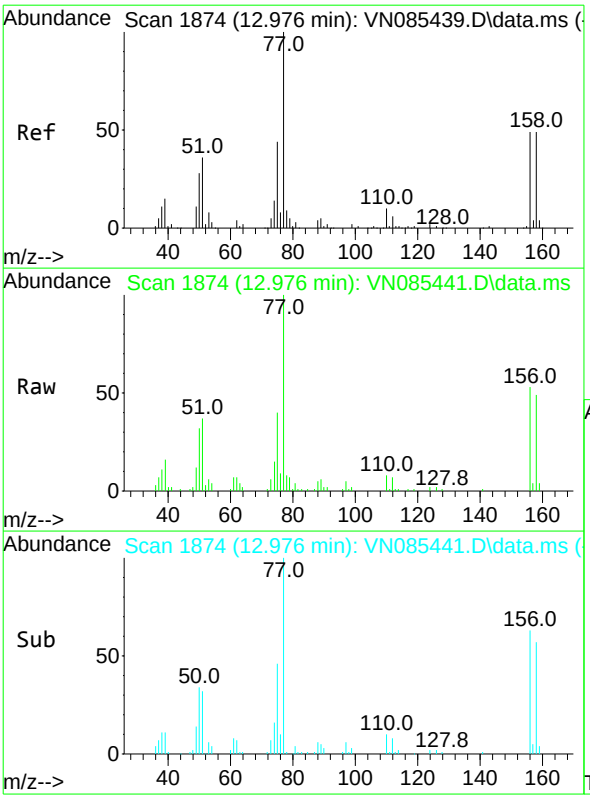


#76
1,2,3-Trichloropropane
Concen: 9.432 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 75 Resp: 25443

Ion	Ratio	Lower	Upper
75	100		
77	198.5	109.7	329.2





#77
Bromobenzene
Concen: 9.720 ug/l
RT: 12.976 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

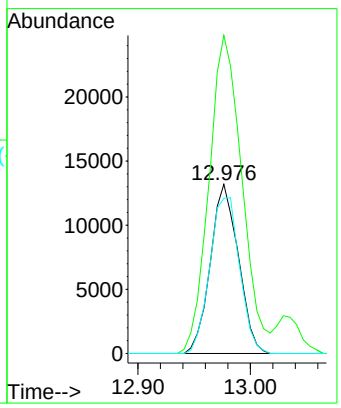
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

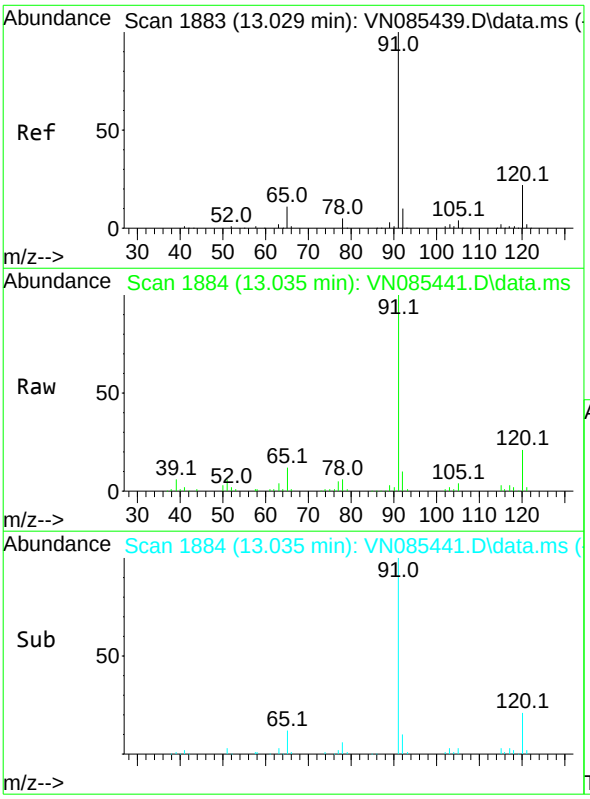
Tgt Ion:156 Resp: 22784

Ion	Ratio	Lower	Upper
156	100		
77	221.6	114.1	342.4
158	98.7	48.9	146.8

Manual Integrations
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Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

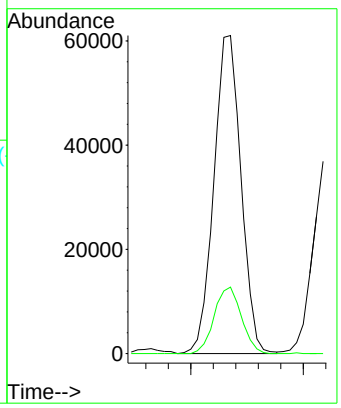


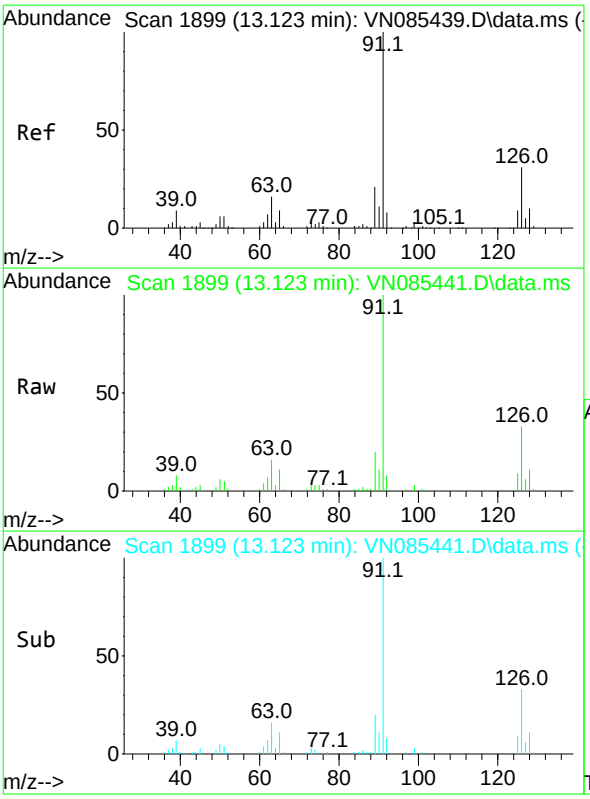


#78
n-propylbenzene
Concen: 9.628 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.006 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 91 Resp: 102262

Ion	Ratio	Lower	Upper
91	100		
120	20.9	10.9	32.6

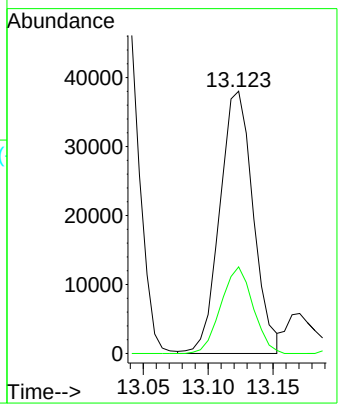




#79
2-Chlorotoluene
Concen: 9.943 ug/l
RT: 13.123 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 91 Resp: 68346

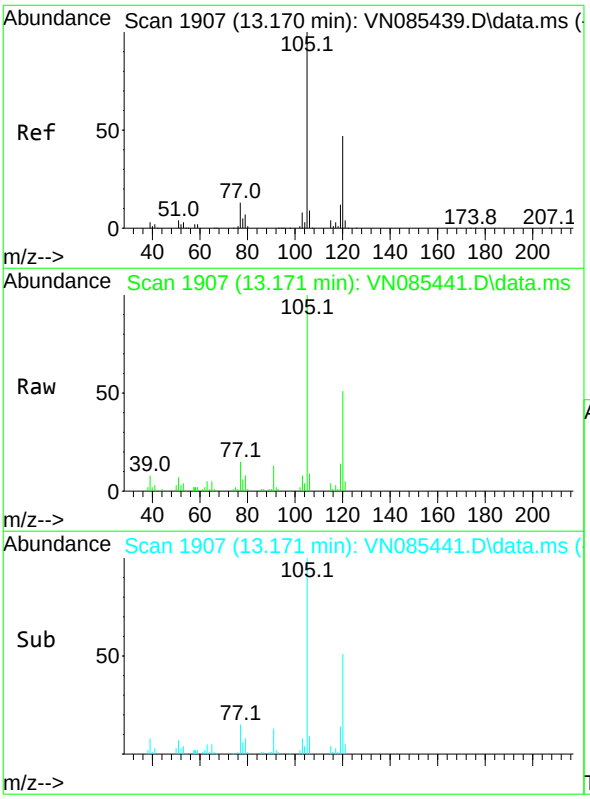
Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
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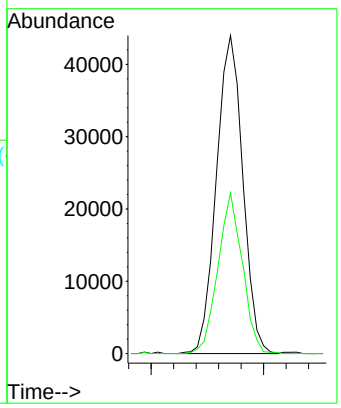
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

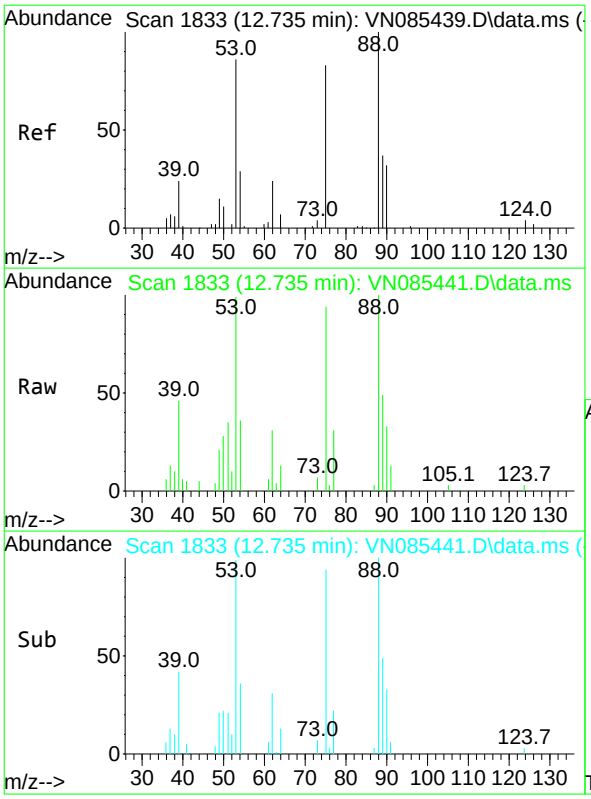


#80
1,3,5-Trimethylbenzene
Concen: 9.669 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion:105 Resp: 71656

Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.9	71.7

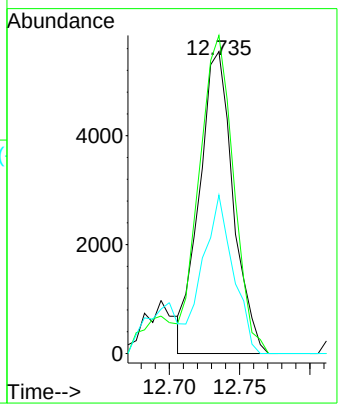




#81
trans-1,4-Dichloro-2-butene
Concen: 9.248 ug/l
RT: 12.735 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 75 Resp: 9236

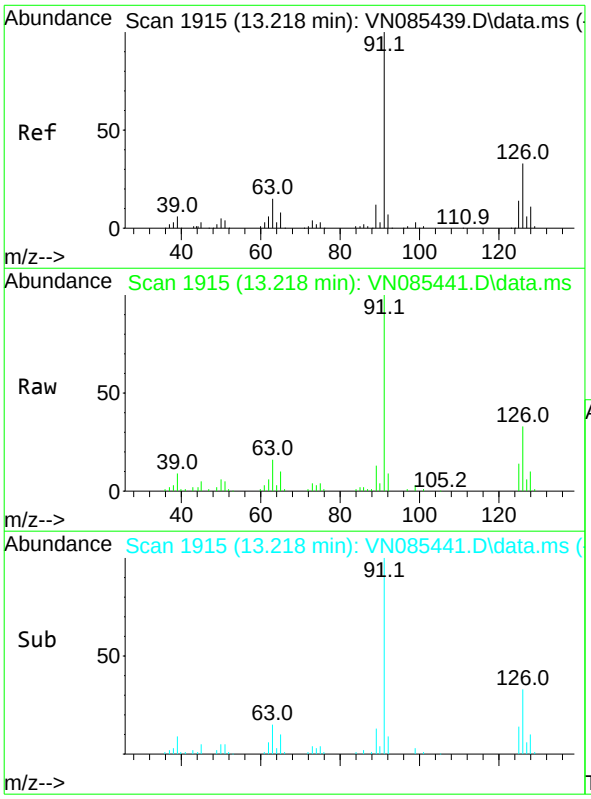
Ion	Ratio	Lower	Upper
75	100		
53	119.6	95.6	143.4
89	46.6	37.0	55.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
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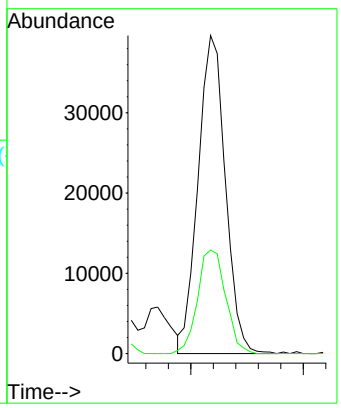
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

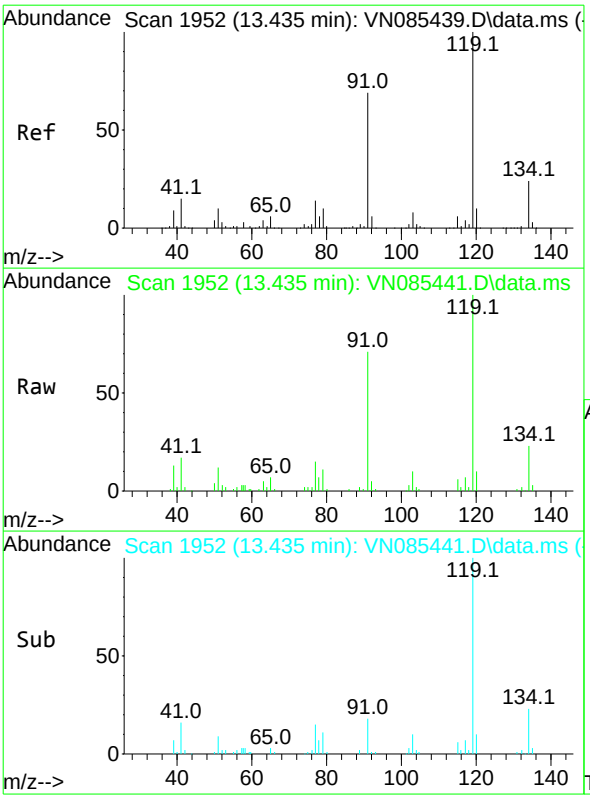


#82
4-Chlorotoluene
Concen: 9.756 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 91 Resp: 66773

Ion	Ratio	Lower	Upper
91	100		
126	33.6	15.9	47.7

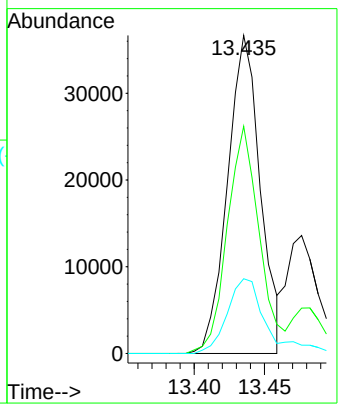




#83
tert-Butylbenzene
Concen: 9.553 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion:119 Resp: 59455

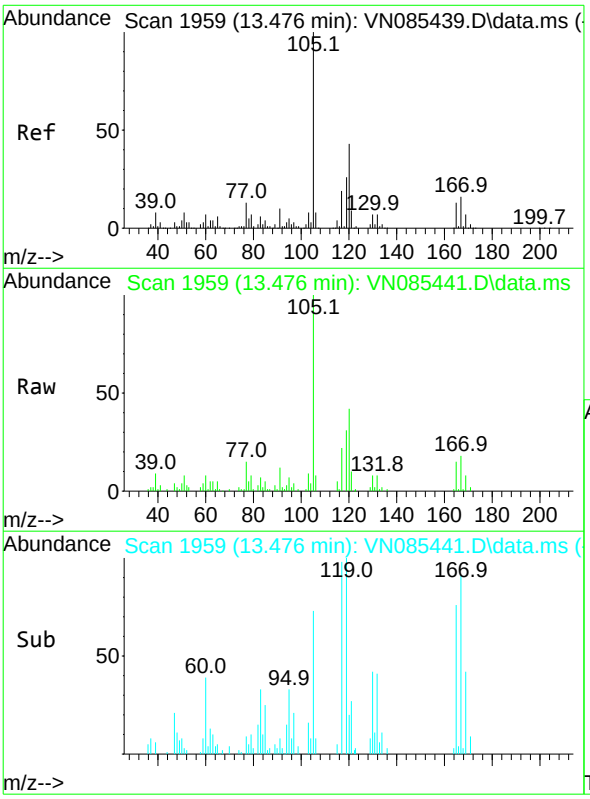
Ion	Ratio	Lower	Upper
119	100		
91	70.0	35.1	105.3
134	27.8	12.0	36.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
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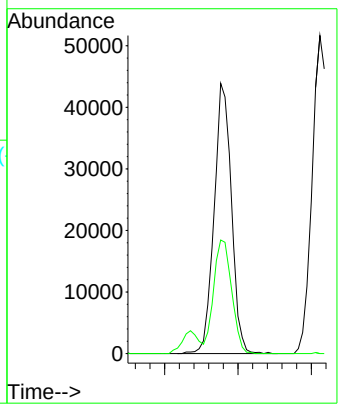
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

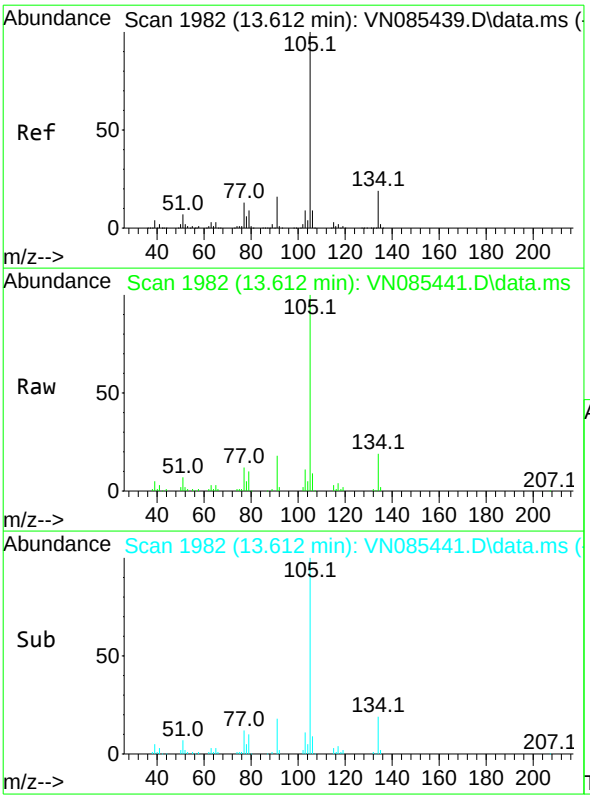


#84
1,2,4-Trimethylbenzene
Concen: 9.754 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion:105 Resp: 72046

Ion	Ratio	Lower	Upper
105	100		
120	43.8	21.6	65.0

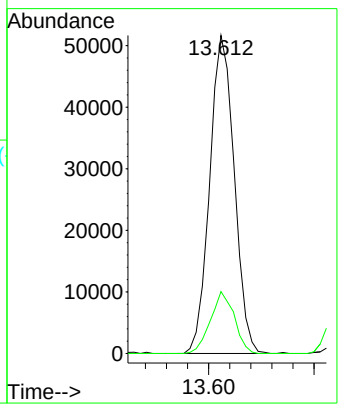




#85
sec-Butylbenzene
Concen: 9.699 ug/l
RT: 13.612 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion:105 Resp: 83662

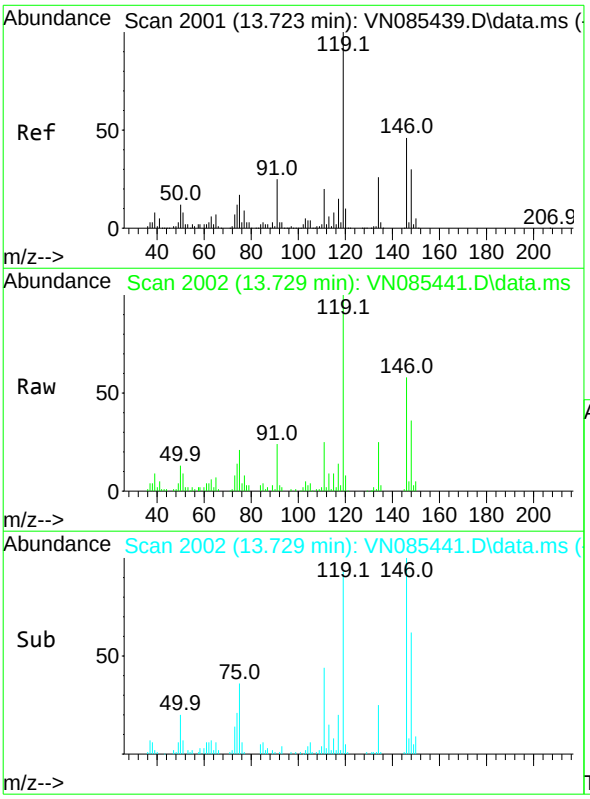
Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.7	28.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
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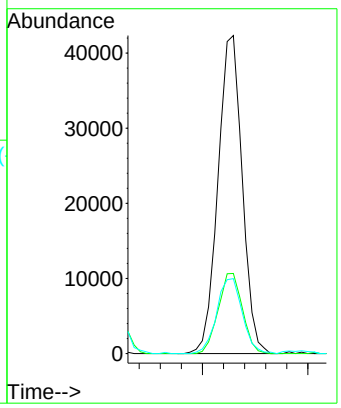
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

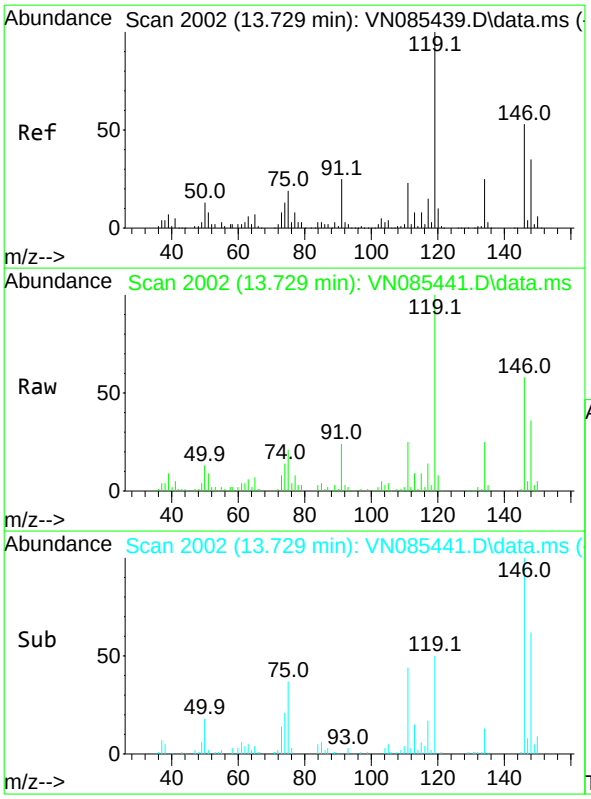


#86
p-Isopropyltoluene
Concen: 9.674 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion:119 Resp: 67556

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.7	38.0
91	25.0	12.7	38.1





#87
1,3-Dichlorobenzene
Concen: 9.693 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

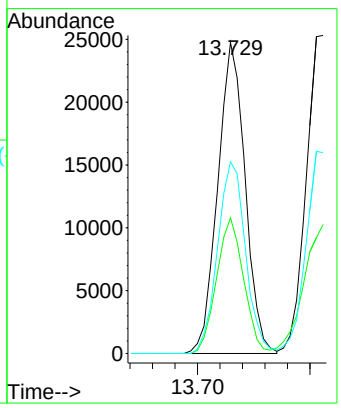
Tgt Ion:146 Resp: 41843

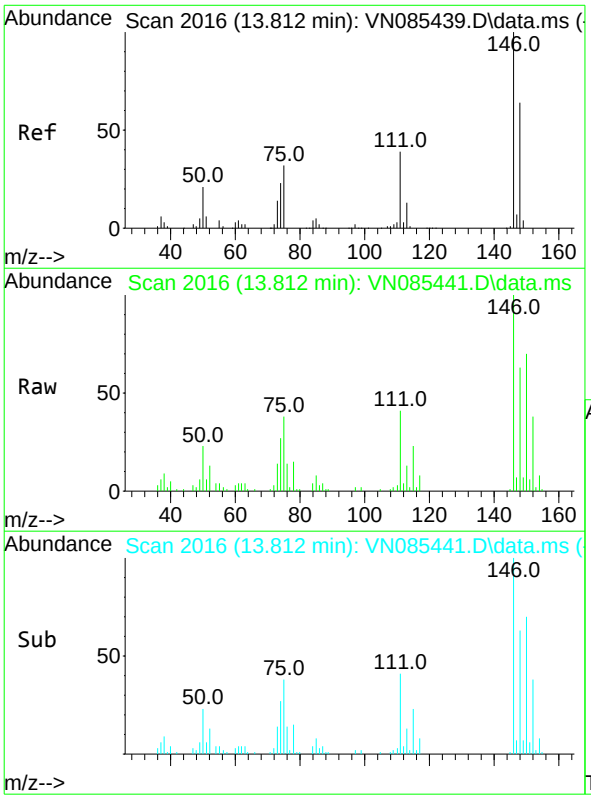
Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.4	64.3
148	63.0	32.3	96.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

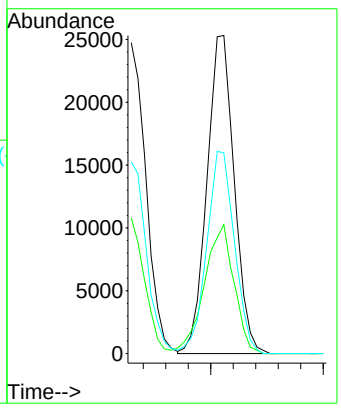


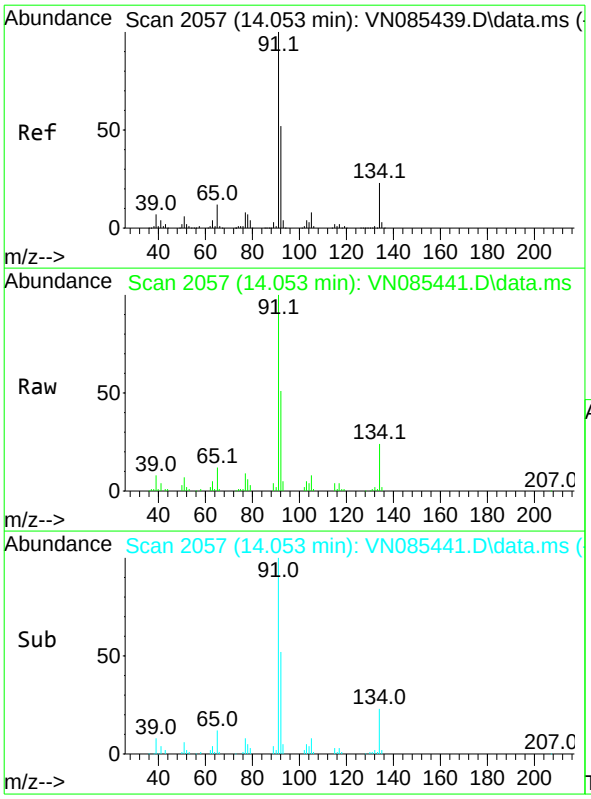


#88
1,4-Dichlorobenzene
Concen: 9.549 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion:146 Resp: 42728

Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.3	63.7
148	64.6	32.4	97.0

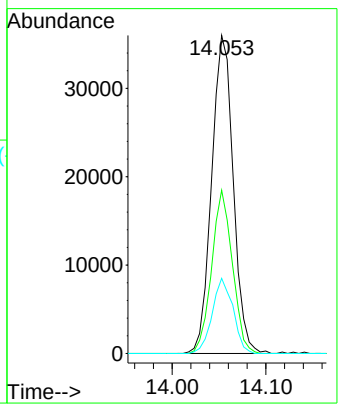




#89
n-Butylbenzene
Concen: 9.314 ug/l
RT: 14.053 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 91 Resp: 57632

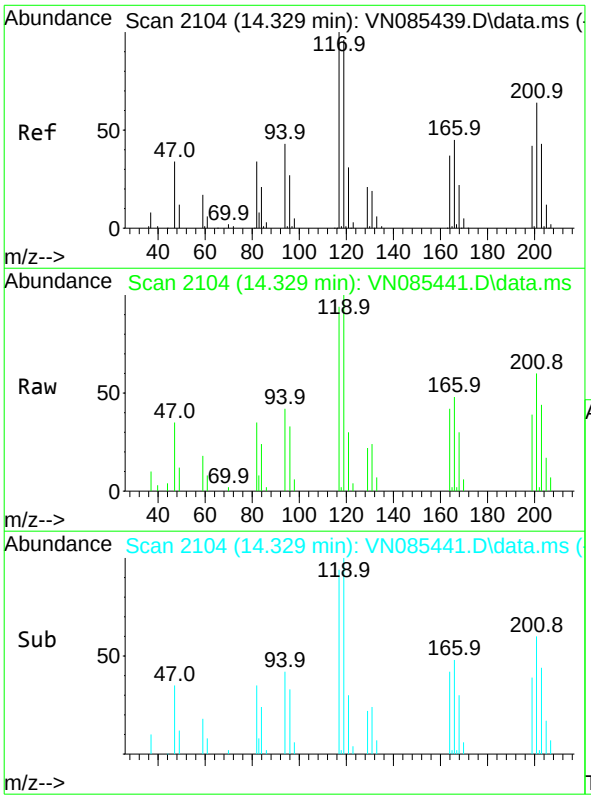
Ion	Ratio	Lower	Upper
91	100		
92	49.2	25.8	77.3
134	22.8	11.7	35.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

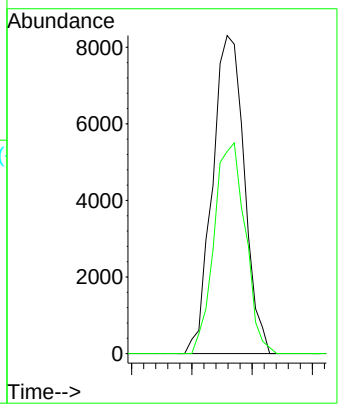
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

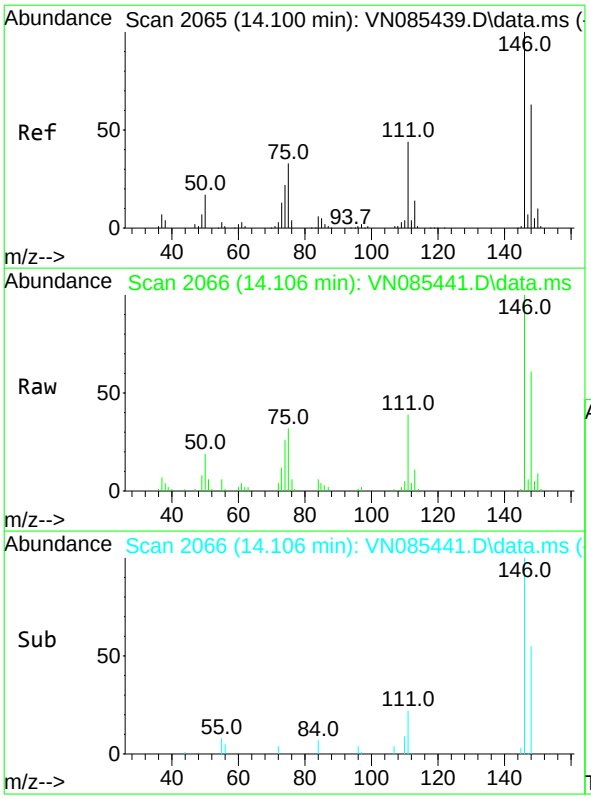


#90
Hexachloroethane
Concen: 9.294 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion:117 Resp: 15261

Ion	Ratio	Lower	Upper
117	100		
201	65.0	33.7	101.0

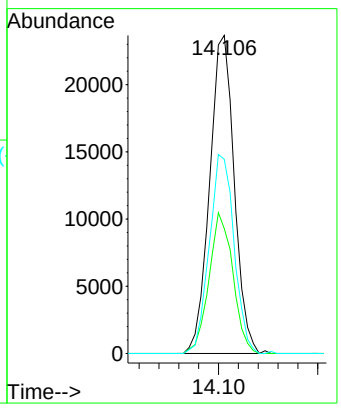




#91
1,2-Dichlorobenzene
Concen: 9.458 ug/l
RT: 14.106 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion:146 Resp: 40726

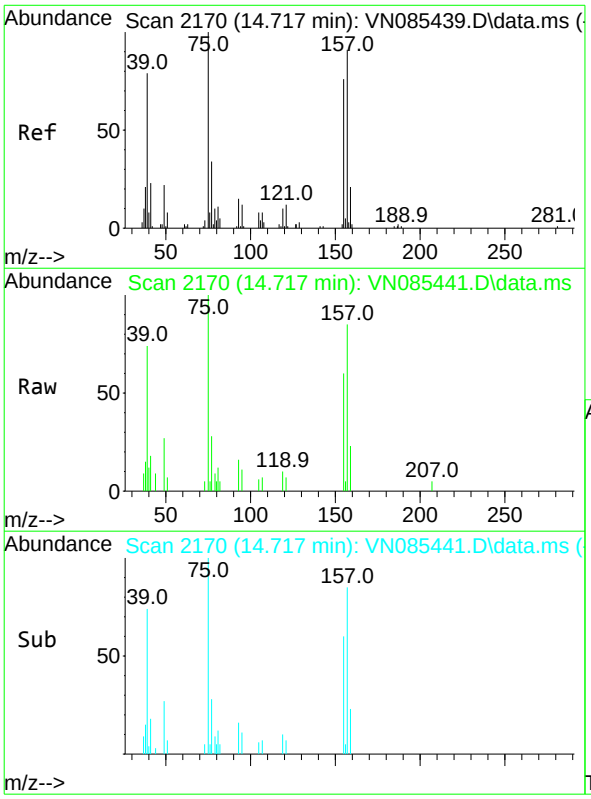
Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.7	65.1
148	62.9	31.4	94.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

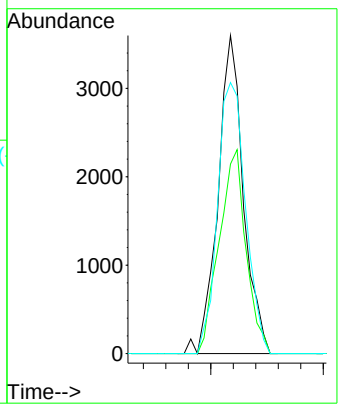
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

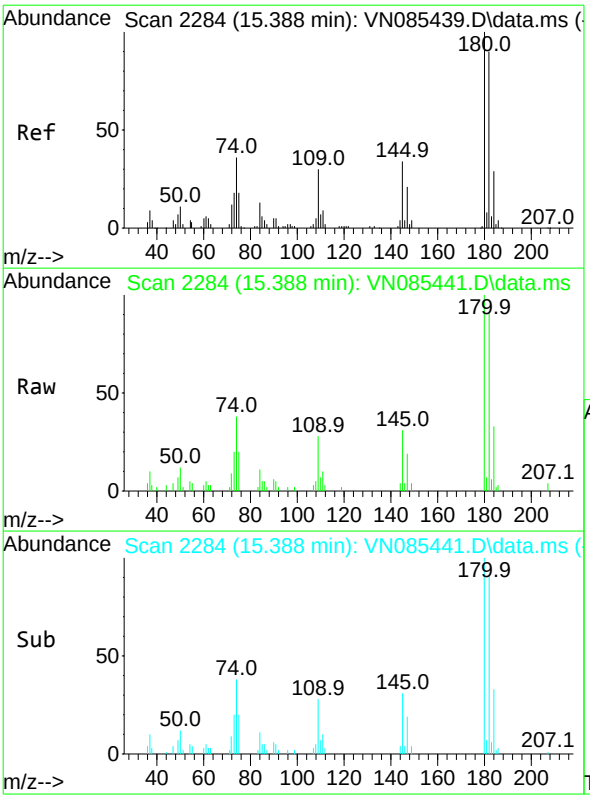


#92
1,2-Dibromo-3-Chloropropane
Concen: 9.744 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 75 Resp: 5639

Ion	Ratio	Lower	Upper
75	100		
155	67.9	36.4	109.2
157	94.1	45.4	136.1





#93
1,2,4-Trichlorobenzene
Concen: 9.354 ug/l
RT: 15.388 min Scan# 22
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

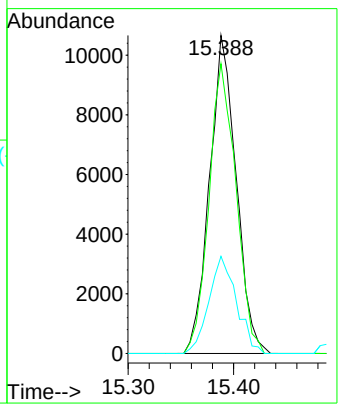
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

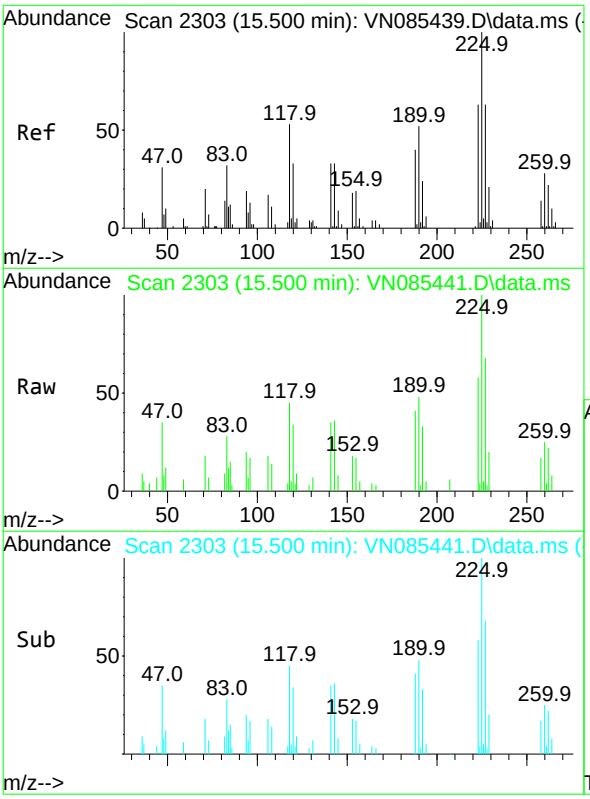
Tgt Ion:180 Resp: 18720

Ion	Ratio	Lower	Upper
180	100		
182	92.4	46.8	140.3
145	31.7	16.0	48.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

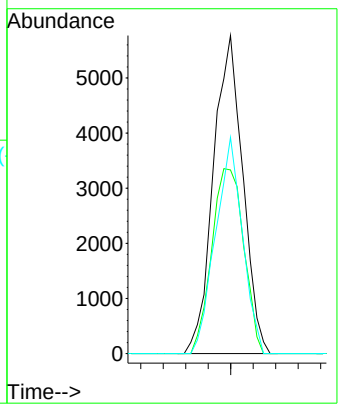


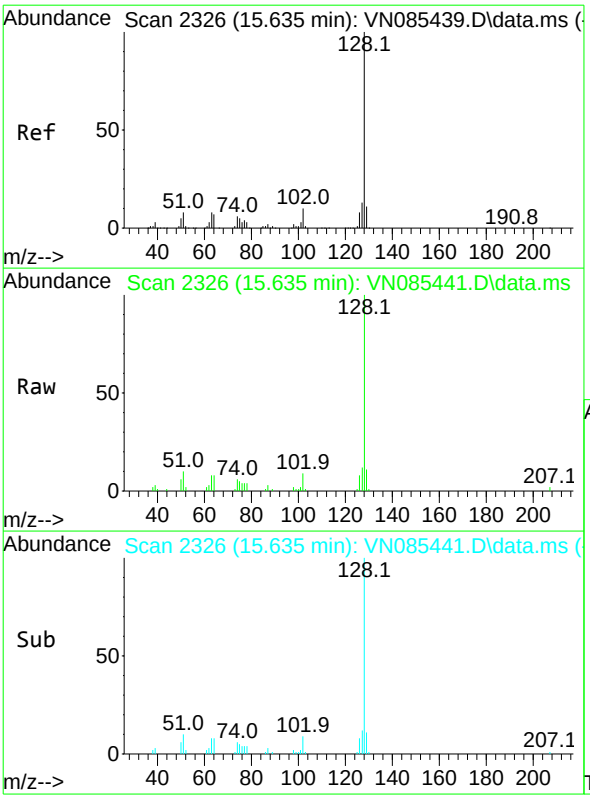


#94
Hexachlorobutadiene
Concen: 9.874 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion:225 Resp: 10491

Ion	Ratio	Lower	Upper
225	100		
223	63.3	30.7	92.1
227	62.1	30.9	92.5





#95
Naphthalene
Concen: 8.717 ug/l
RT: 15.635 min Scan# 23
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

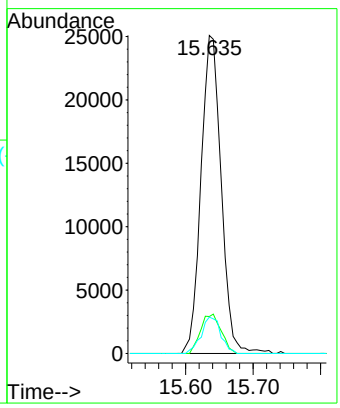
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

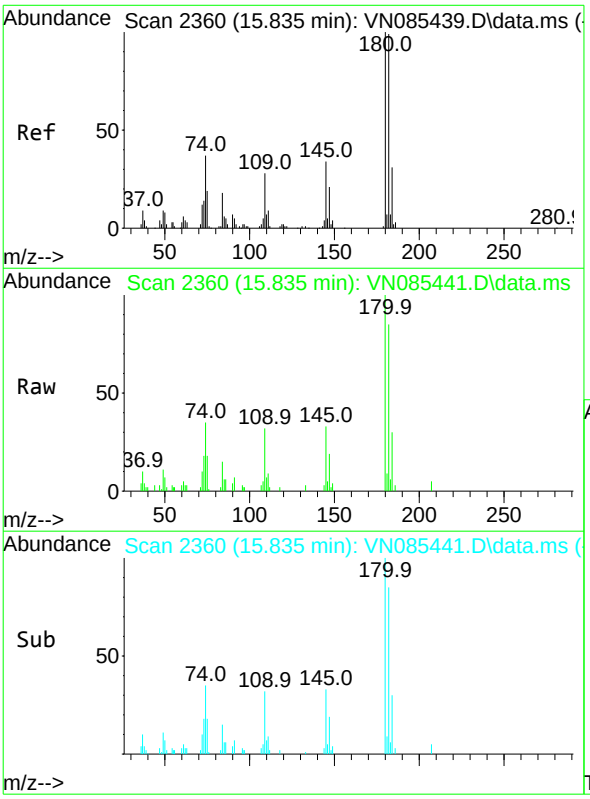
Tgt Ion:128 Resp: 52054

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.6	16.0
129	11.2	8.8	13.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

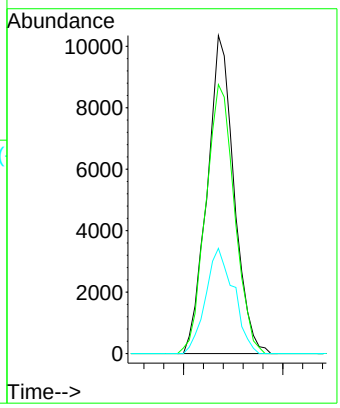




#96
1,2,3-Trichlorobenzene
Concen: 9.605 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion:180 Resp: 19450

Ion	Ratio	Lower	Upper
180	100		
182	90.3	47.4	142.2
145	34.7	16.9	50.7



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085442.D
Acq On : 14 Jan 2025 16:31
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Quant Time: Jan 15 01:45:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.218	168	186556	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.100	114	324413	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	282203	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	126086	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.577	65	17046	5.660	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 11.320%#				
35) Dibromofluoromethane	8.165	113	12102	5.377	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 10.760%#				
50) Toluene-d8	10.565	98	41328	5.168	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 10.340%#				
62) 4-Bromofluorobenzene	12.847	95	13520	4.943	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 9.880%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	13199	5.225	ug/l		97
3) Chloromethane	2.359	50	14526	5.311	ug/l		96
4) Vinyl Chloride	2.512	62	14564	5.298	ug/l		98
5) Bromomethane	2.953	94	9788	5.895	ug/l		98
6) Chloroethane	3.124	64	9430	5.411	ug/l		99
7) Trichlorofluoromethane	3.501	101	20098	5.039	ug/l		92
8) Diethyl Ether	3.959	74	6652	4.828	ug/l		100
9) 1,1,2-Trichlorotrifluo...	4.365	101	11917	5.305	ug/l		97
10) Methyl Iodide	4.583	142	12331	4.793	ug/l		99
11) Tert butyl alcohol	5.518	59	9075	26.318	ug/l	#	94
12) 1,1-Dichloroethene	4.342	96	10429	5.209	ug/l		96
13) Acrolein	4.171	56	9430	20.033	ug/l		97
14) Allyl chloride	5.030	41	16741	5.153	ug/l		97
15) Acrylonitrile	5.718	53	27869	25.445	ug/l		97
16) Acetone	4.430	43	25122	25.819	ug/l		97
17) Carbon Disulfide	4.706	76	32068	5.202	ug/l		96
18) Methyl Acetate	5.024	43	15106	5.106	ug/l		97
19) Methyl tert-butyl Ether	5.800	73	31439	4.836	ug/l		94
20) Methylene Chloride	5.271	84	12981	5.389	ug/l	#	83
21) trans-1,2-Dichloroethene	5.783	96	10614	4.960	ug/l	#	78
22) Diisopropyl ether	6.665	45	35785	4.962	ug/l	#	96
23) Vinyl Acetate	6.600	43	118439m	23.389	ug/l		
24) 1,1-Dichloroethane	6.565	63	22865	5.200	ug/l		99
25) 2-Butanone	7.483	43	36127	25.231	ug/l		99
26) 2,2-Dichloropropane	7.488	77	18398	5.175	ug/l		100
27) cis-1,2-Dichloroethene	7.488	96	12477	4.951	ug/l		99
28) Bromochloromethane	7.806	49	11096	5.424	ug/l		99
29) Tetrahydrofuran	7.841	42	21983	24.215	ug/l		99
30) Chloroform	7.959	83	23384	5.146	ug/l		98
31) Cyclohexane	8.247	56	22343	5.846	ug/l	#	92
32) 1,1,1-Trichloroethane	8.159	97	21416	5.372	ug/l		91
36) 1,1-Dichloropropene	8.371	75	15886	5.029	ug/l		96
37) Ethyl Acetate	7.553	43	16879m	5.294	ug/l		
38) Carbon Tetrachloride	8.359	117	18317	5.065	ug/l		96
39) Methylcyclohexane	9.600	83	14175	4.776	ug/l		98
40) Benzene	8.600	78	47833	5.040	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085442.D
Acq On : 14 Jan 2025 16:31
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Quant Time: Jan 15 01:45:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.777	41	7380	4.449 ug/l	96
42) 1,2-Dichloroethane	8.671	62	18628	5.211 ug/l	98
43) Isopropyl Acetate	8.688	43	24792	4.853 ug/l	98
44) Trichloroethene	9.347	130	11133	5.039 ug/l	86
45) 1,2-Dichloropropane	9.618	63	12591	5.194 ug/l	92
46) Dibromomethane	9.700	93	8230	4.705 ug/l	91
47) Bromodichloromethane	9.888	83	18456	5.179 ug/l #	96
48) Methyl methacrylate	9.677	41	10574	4.599 ug/l	95
49) 1,4-Dioxane	9.694	88	3619	93.477 ug/l	97
51) 4-Methyl-2-Pentanone	10.441	43	71889	24.250 ug/l	98
52) Toluene	10.629	92	27098	4.928 ug/l	98
53) t-1,3-Dichloropropene	10.829	75	17099	5.077 ug/l	95
54) cis-1,3-Dichloropropene	10.306	75	17440	4.848 ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	11311	5.197 ug/l	96
56) Ethyl methacrylate	10.871	69	14094	5.627 ug/l	94
57) 1,3-Dichloropropane	11.159	76	18945	5.006 ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	33210	24.047 ug/l	97
59) 2-Hexanone	11.194	43	49021	23.501 ug/l	94
60) Dibromochloromethane	11.353	129	13635	5.190 ug/l	96
61) 1,2-Dibromoethane	11.471	107	10419	4.810 ug/l	98
64) Tetrachloroethene	11.100	164	9756	5.071 ug/l	91
65) Chlorobenzene	11.888	112	31312	5.065 ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	11620	5.121 ug/l	98
67) Ethyl Benzene	11.965	91	48216	4.789 ug/l	98
68) m/p-Xylenes	12.065	106	34771	9.344 ug/l	99
69) o-Xylene	12.394	106	16419	4.617 ug/l	98
70) Styrene	12.412	104	26218	4.454 ug/l	99
71) Bromoform	12.576	173	8017	4.938 ug/l #	99
73) Isopropylbenzene	12.694	105	39811	4.678 ug/l	99
74) N-amyl acetate	12.488	43	17577	4.595 ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.935	83	15483	5.151 ug/l	97
76) 1,2,3-Trichloropropane	12.994	75	12173m	4.758 ug/l	
77) Bromobenzene	12.982	156	11091	4.989 ug/l	99
78) n-propylbenzene	13.035	91	45450	4.512 ug/l	99
79) 2-Chlorotoluene	13.123	91	31932	4.898 ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	31891	4.537 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.729	75	4229	4.465 ug/l	90
82) 4-Chlorotoluene	13.218	91	31976	4.926 ug/l	100
83) tert-Butylbenzene	13.435	119	27597	4.675 ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	32054	4.575 ug/l	98
85) sec-Butylbenzene	13.612	105	38148	4.663 ug/l	98
86) p-Isopropyltoluene	13.723	119	29856	4.584 ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	20876	5.099 ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	21982	5.179 ug/l	97
89) n-Butylbenzene	14.053	91	27437	4.675 ug/l	96
90) Hexachloroethane	14.329	117	7767	4.987 ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	20177	4.940 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.729	75	2872	5.232 ug/l	90
93) 1,2,4-Trichlorobenzene	15.388	180	9037	4.761 ug/l	94
94) Hexachlorobutadiene	15.500	225	5563	5.520 ug/l	98
95) Naphthalene	15.641	128	25047	4.422 ug/l	96
96) 1,2,3-Trichlorobenzene	15.841	180	8737	4.549 ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085442.D
Acq On : 14 Jan 2025 16:31
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Quant Time: Jan 15 01:45:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

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

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

ICAL Form

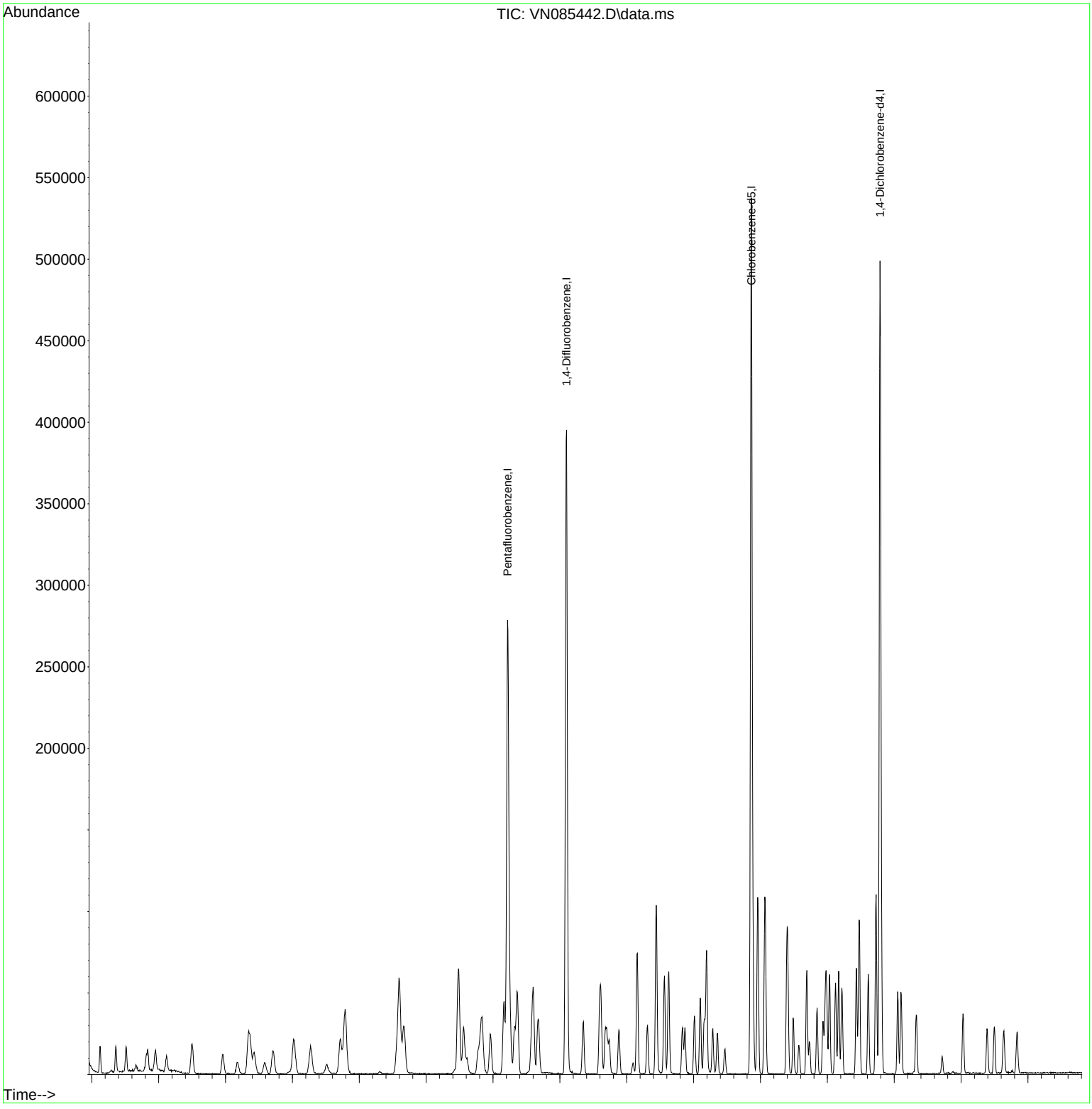
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085442.D
Acq On : 14 Jan 2025 16:31
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

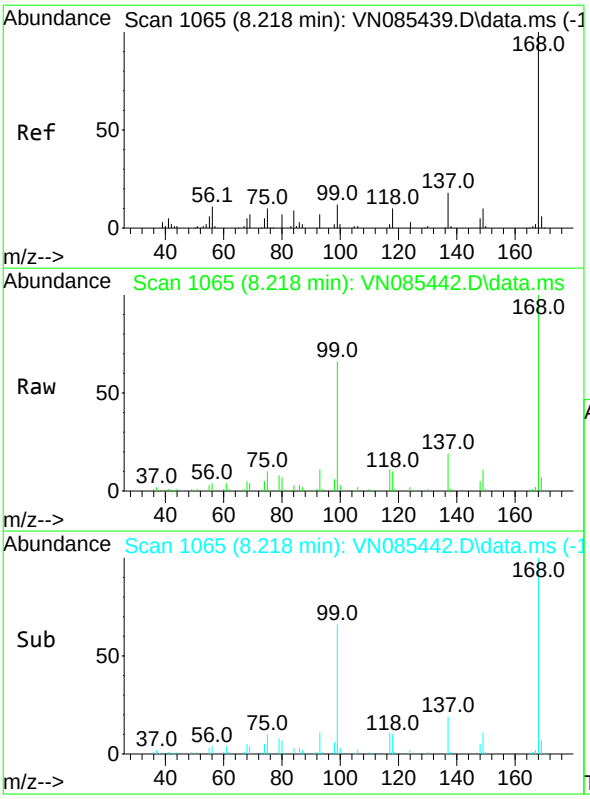
Quant Time: Jan 15 01:45:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

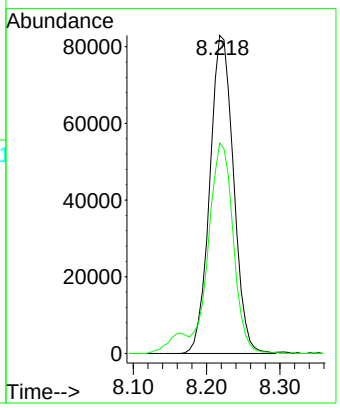
Tgt Ion:168 Resp: 186556

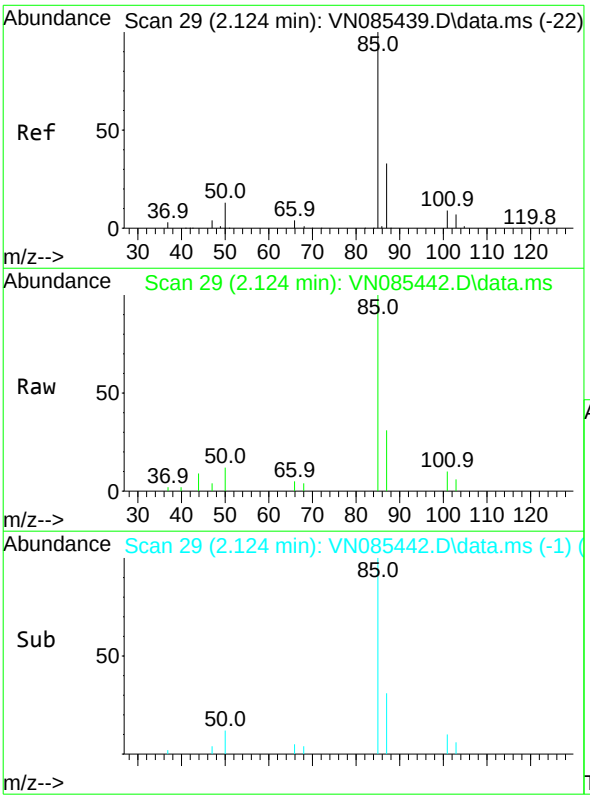
Ion	Ratio	Lower	Upper
168	100		
99	65.9	53.6	80.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

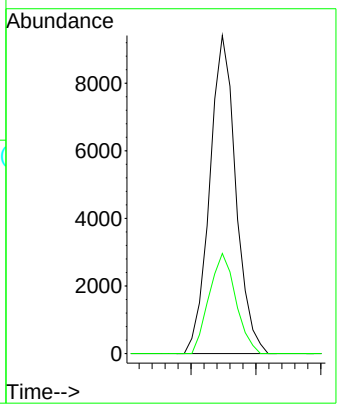


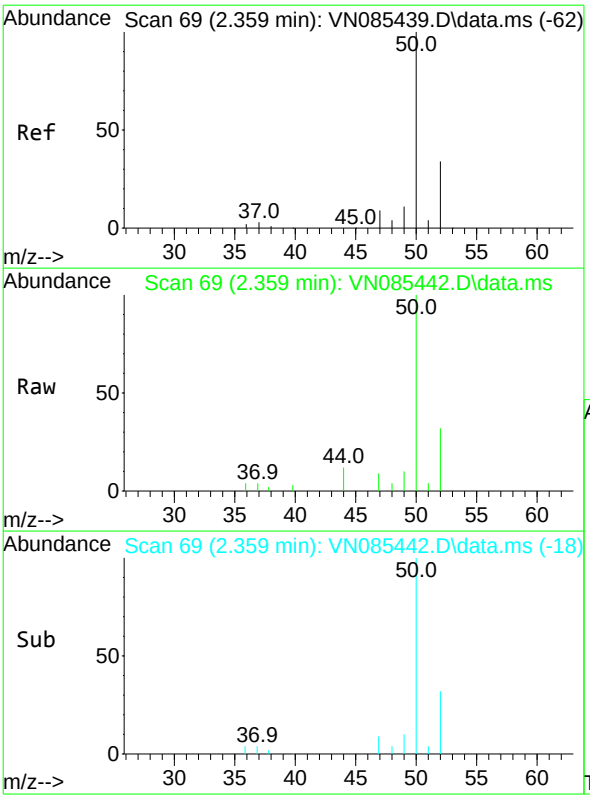


#2
Dichlorodifluoromethane
Concen: 5.225 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 85 Resp: 13199

Ion	Ratio	Lower	Upper
85	100		
87	31.5	16.7	50.1

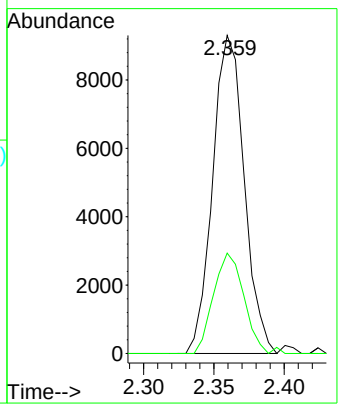




#3
Chloromethane
Concen: 5.311 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 50 Resp: 14526

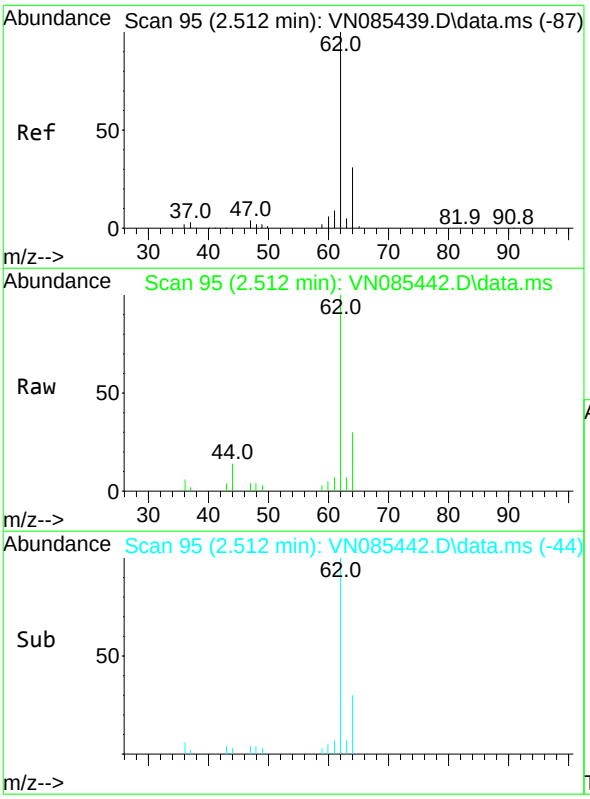
Ion	Ratio	Lower	Upper
50	100		
52	31.6	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

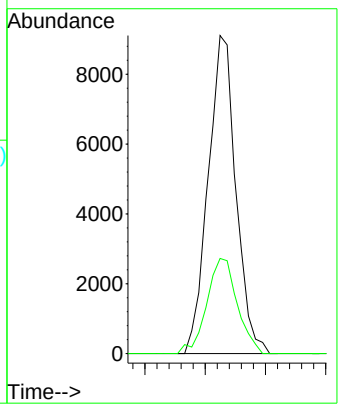
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

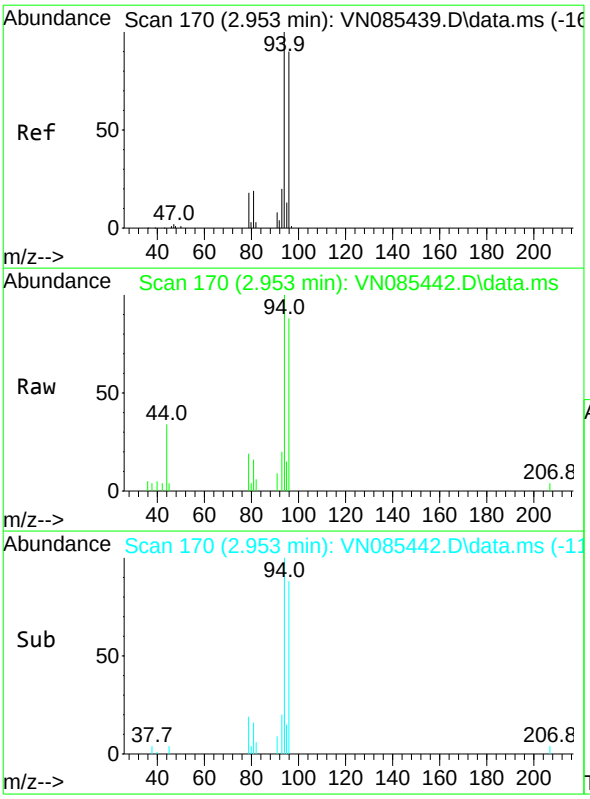


#4
Vinyl Chloride
Concen: 5.298 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 62 Resp: 14564

Ion	Ratio	Lower	Upper
62	100		
64	29.9	24.8	37.2

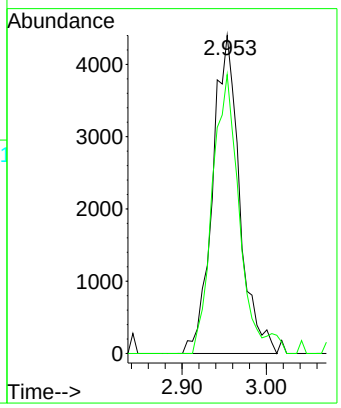




#5
Bromomethane
Concen: 5.895 ug/l
RT: 2.953 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 94 Resp: 9788

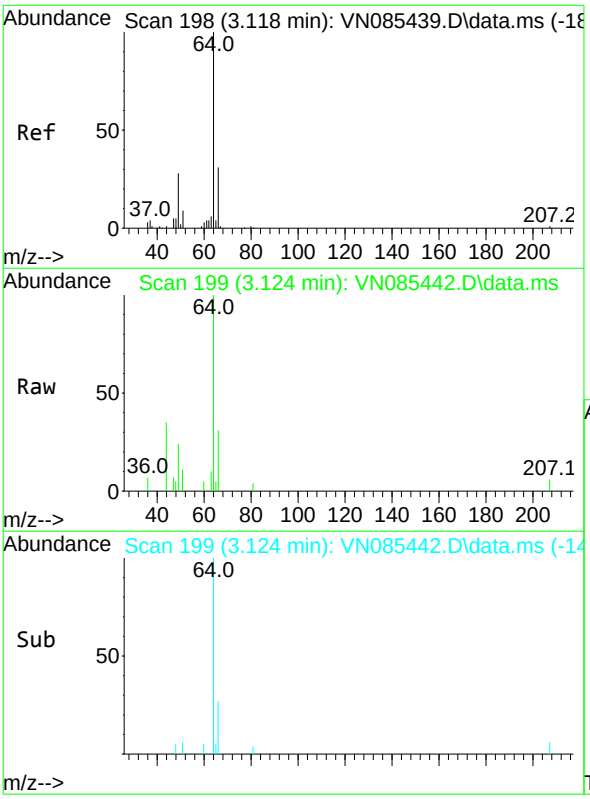
Ion	Ratio	Lower	Upper
94	100		
96	87.7	71.8	107.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
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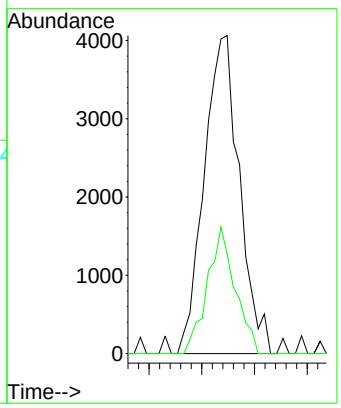
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

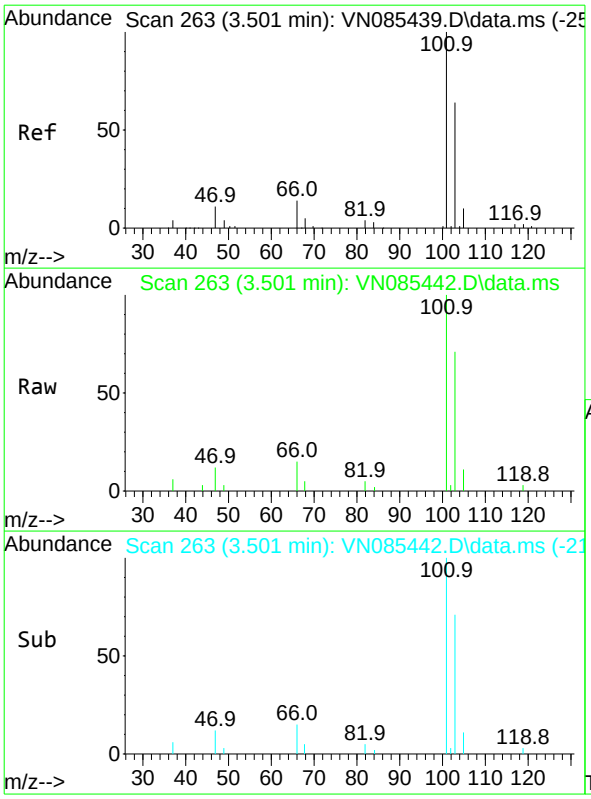


#6
Chloroethane
Concen: 5.411 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 64 Resp: 9430

Ion	Ratio	Lower	Upper
64	100		
66	31.4	24.6	36.8

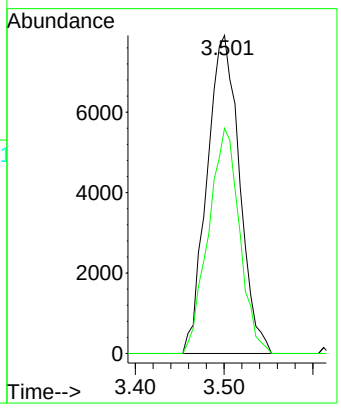




#7
Trichlorofluoromethane
Concen: 5.039 ug/l
RT: 3.501 min Scan# 26
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion:101 Resp: 20098

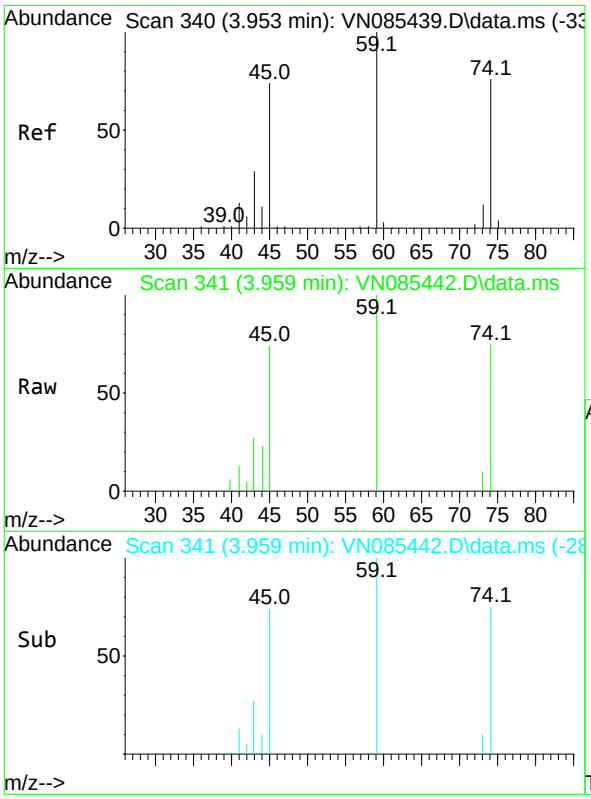
Ion	Ratio	Lower	Upper
101	100		
103	70.8	51.4	77.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
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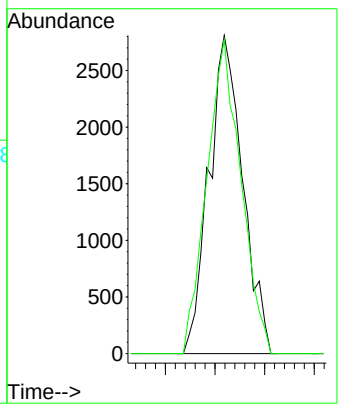
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

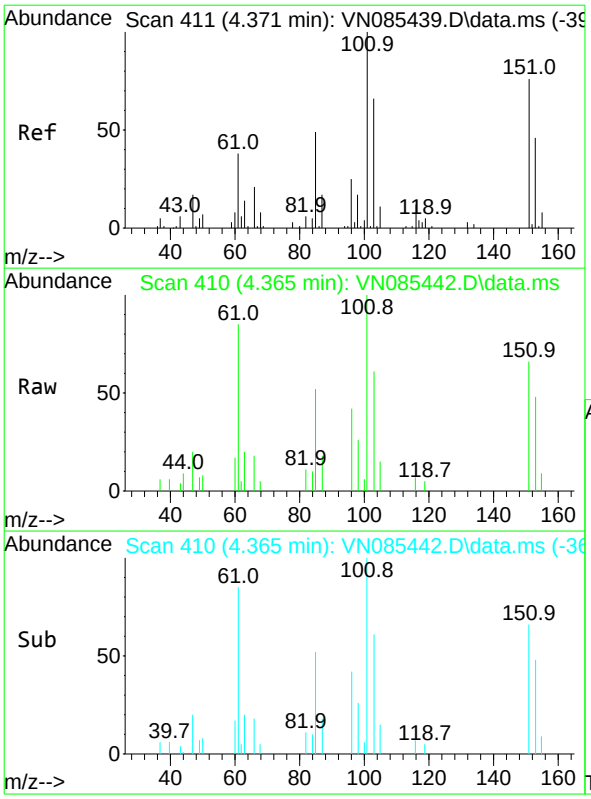


#8
Diethyl Ether
Concen: 4.828 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 74 Resp: 6652

Ion	Ratio	Lower	Upper
74	100		
45	99.5	49.7	149.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.305 ug/l
RT: 4.365 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

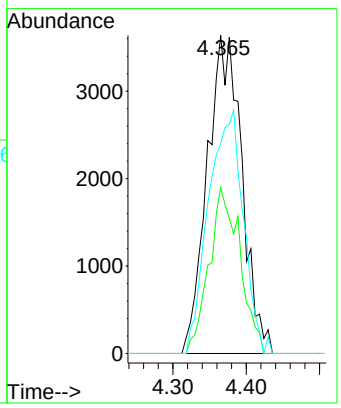
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

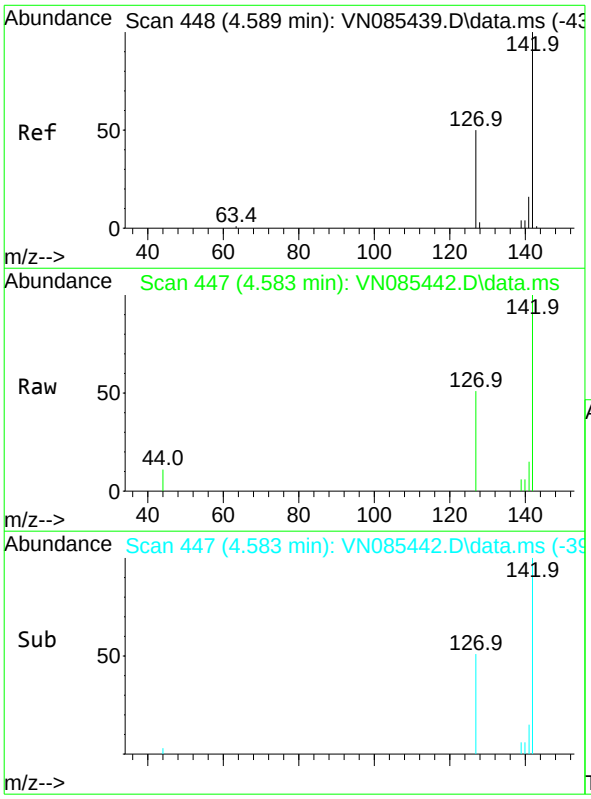
Tgt Ion:101 Resp: 11917

Ion	Ratio	Lower	Upper
101	100		
85	46.5	37.8	56.8
151	76.7	58.8	88.2

Manual Integrations
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Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

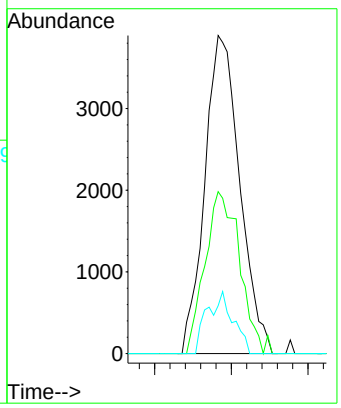


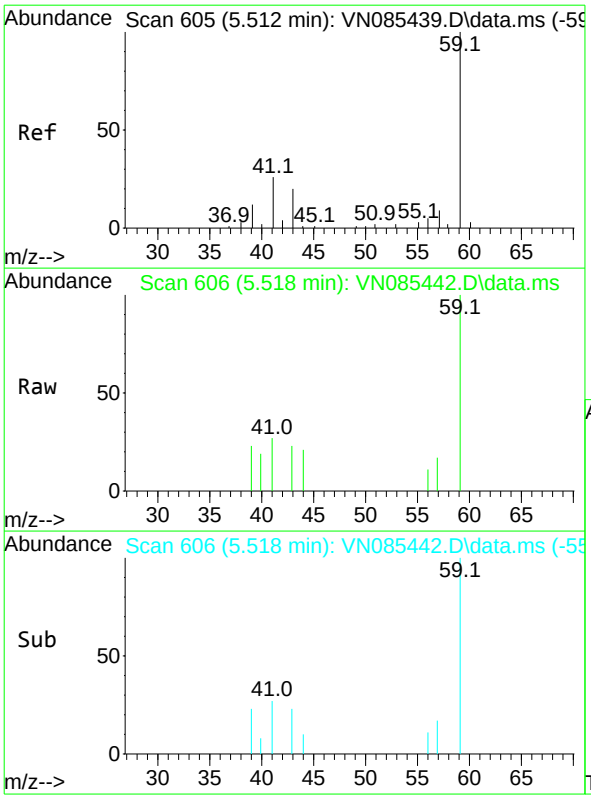


#10
Methyl Iodide
Concen: 4.793 ug/l
RT: 4.583 min Scan# 447
Delta R.T. -0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion:142 Resp: 12331

Ion	Ratio	Lower	Upper
142	100		
127	50.9	40.3	60.5
141	15.0	12.8	19.2

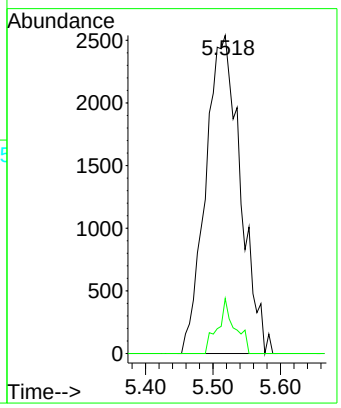




#11
Tert butyl alcohol
Concen: 26.318 ug/l
RT: 5.518 min Scan# 60
Delta R.T. 0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 59 Resp: 9075

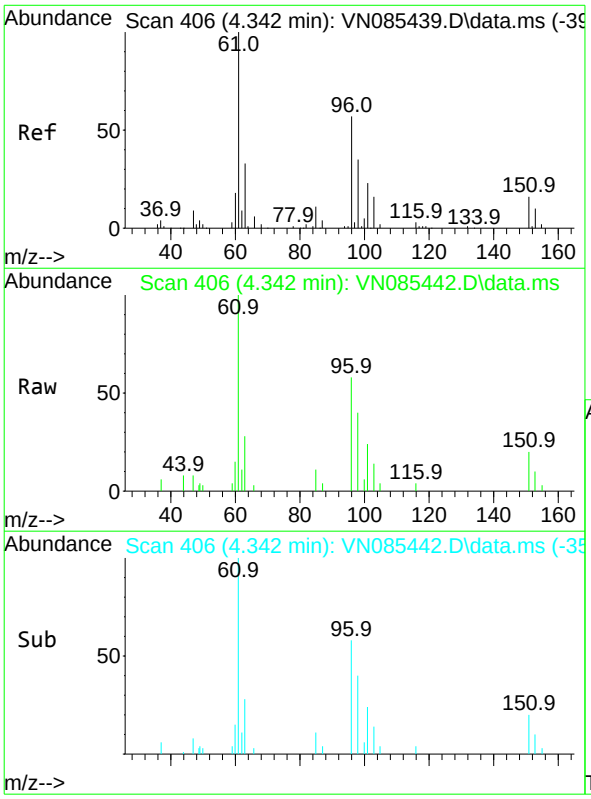
Ion	Ratio	Lower	Upper
59	100		
57	8.5	8.6	13.0#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
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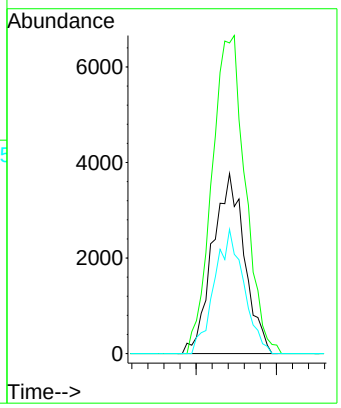
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

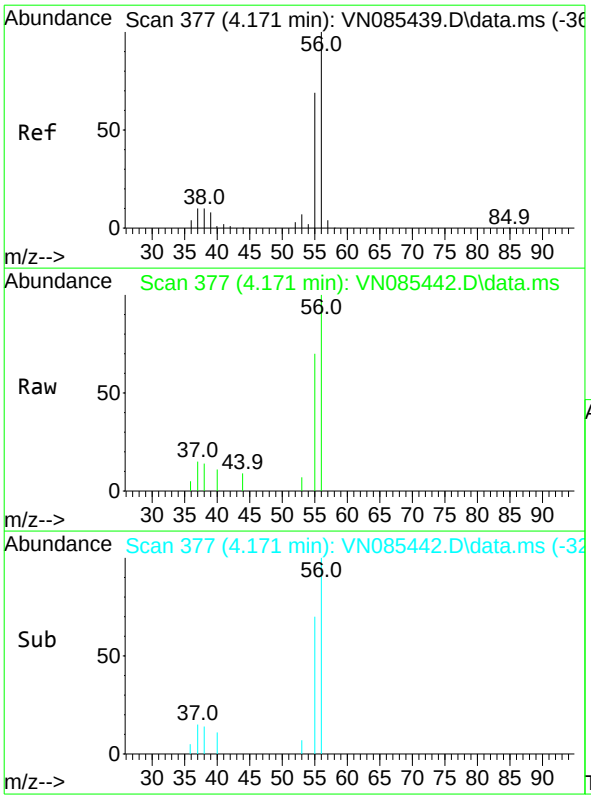


#12
1,1-Dichloroethene
Concen: 5.209 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 96 Resp: 10429

Ion	Ratio	Lower	Upper
96	100		
61	172.7	141.0	211.4
98	69.0	49.0	73.6

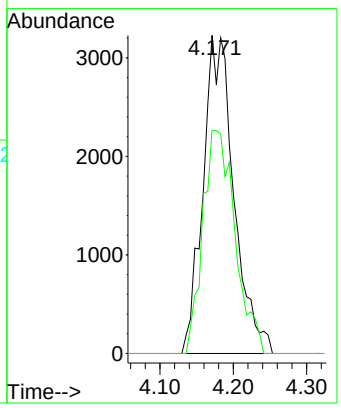




#13
Acrolein
Concen: 20.033 ug/l
RT: 4.171 min Scan# 37
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 56 Resp: 9430

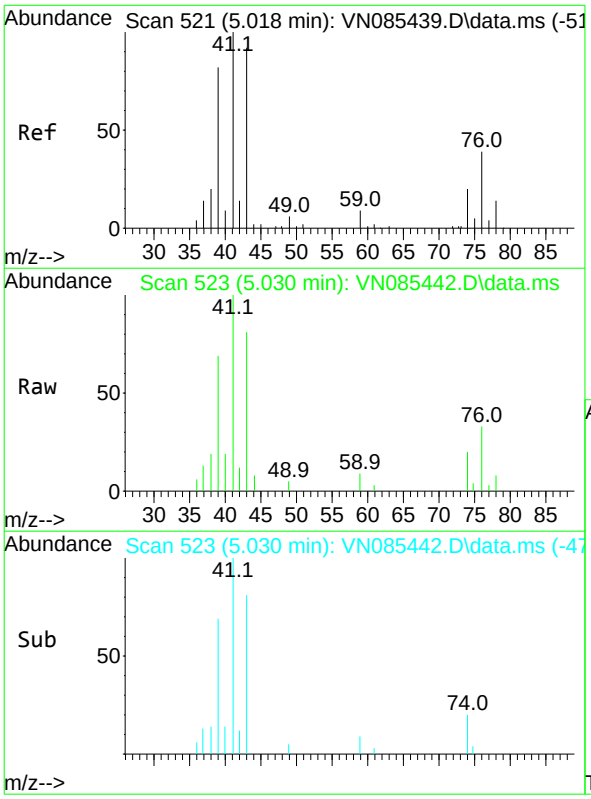
Ion	Ratio	Lower	Upper
56	100		
55	73.2	56.3	84.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
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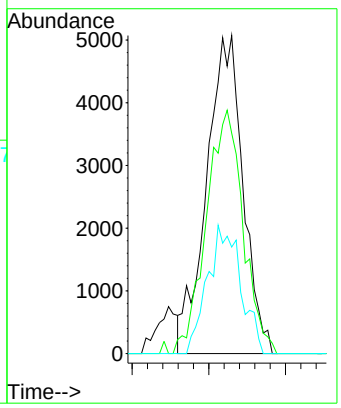
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

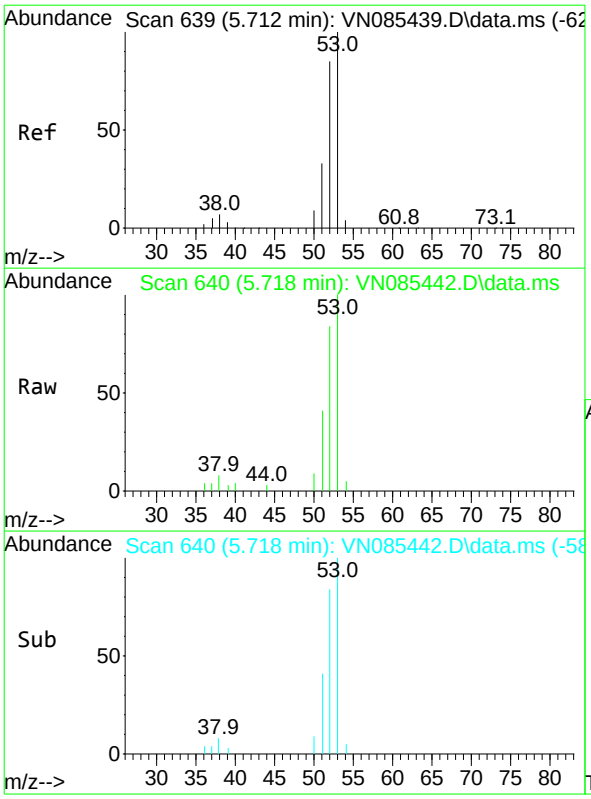


#14
Allyl chloride
Concen: 5.153 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 41 Resp: 16741

Ion	Ratio	Lower	Upper
41	100		
39	77.4	64.4	96.6
76	36.6	30.5	45.7

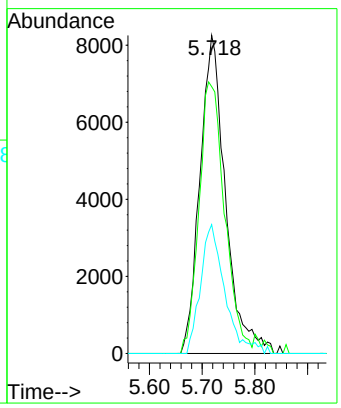




#15
Acrylonitrile
Concen: 25.445 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 53 Resp: 27869

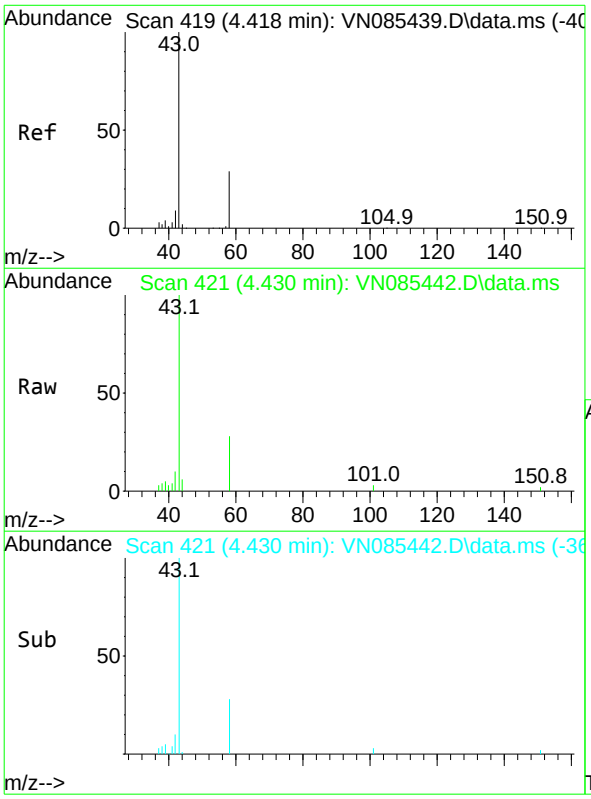
Ion	Ratio	Lower	Upper
53	100		
52	85.5	65.5	98.3
51	38.5	29.8	44.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
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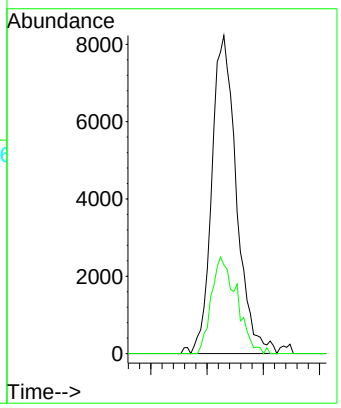
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

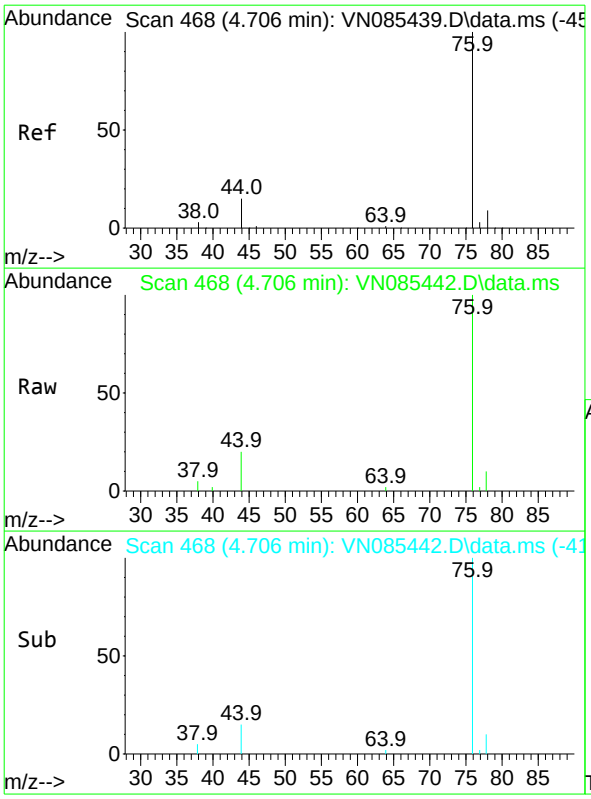


#16
Acetone
Concen: 25.819 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 43 Resp: 25122

Ion	Ratio	Lower	Upper
43	100		
58	27.9	23.8	35.6

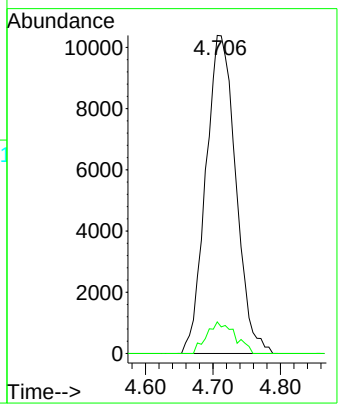




#17
Carbon Disulfide
Concen: 5.202 ug/l
RT: 4.706 min Scan# 46
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 76 Resp: 32068

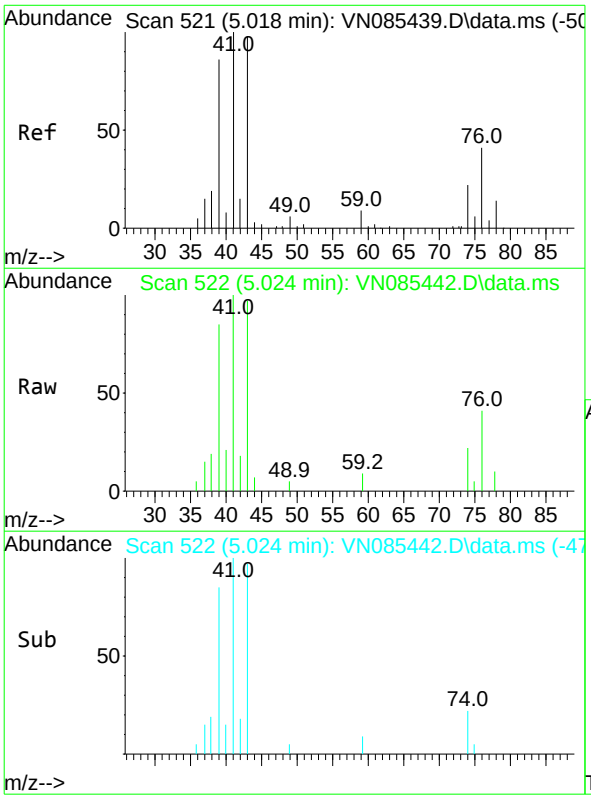
Ion	Ratio	Lower	Upper
76	100		
78	9.9	6.9	10.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
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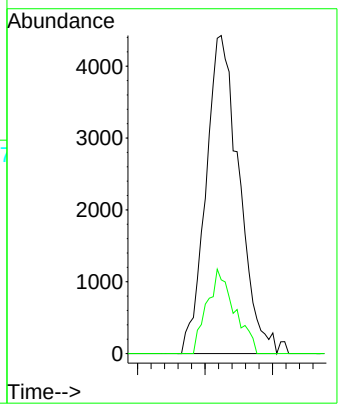
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

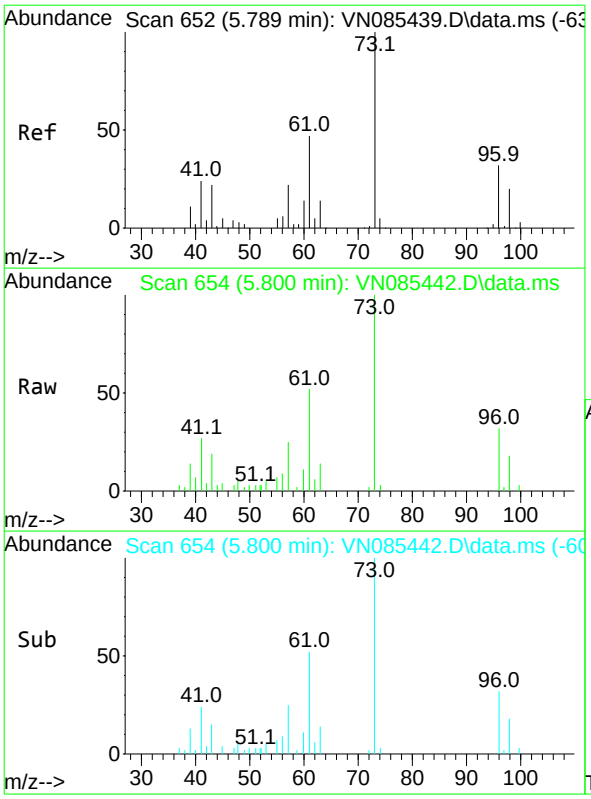


#18
Methyl Acetate
Concen: 5.106 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 43 Resp: 15106

Ion	Ratio	Lower	Upper
43	100		
74	22.0	18.6	28.0

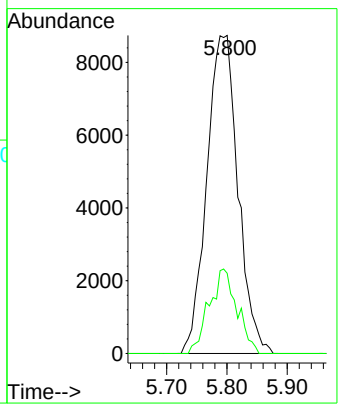




#19
Methyl tert-butyl Ether
Concen: 4.836 ug/l
RT: 5.800 min Scan# 65
Delta R.T. 0.012 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 73 Resp: 31439

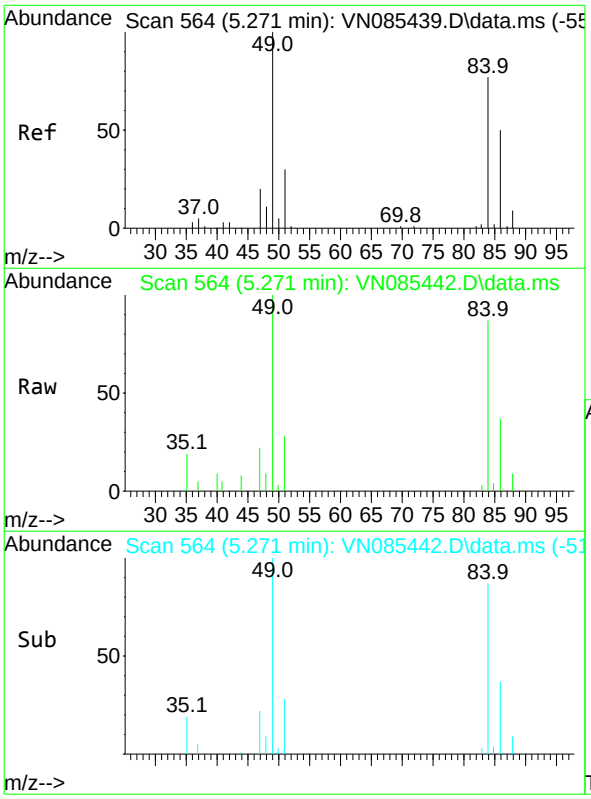
Ion	Ratio	Lower	Upper
73	100		
57	25.2	17.8	26.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
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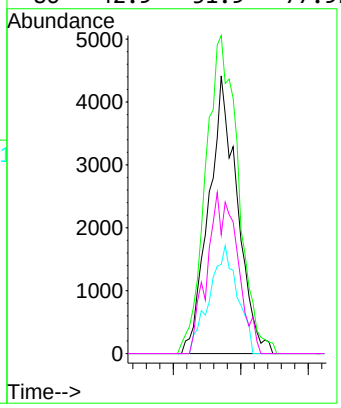
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

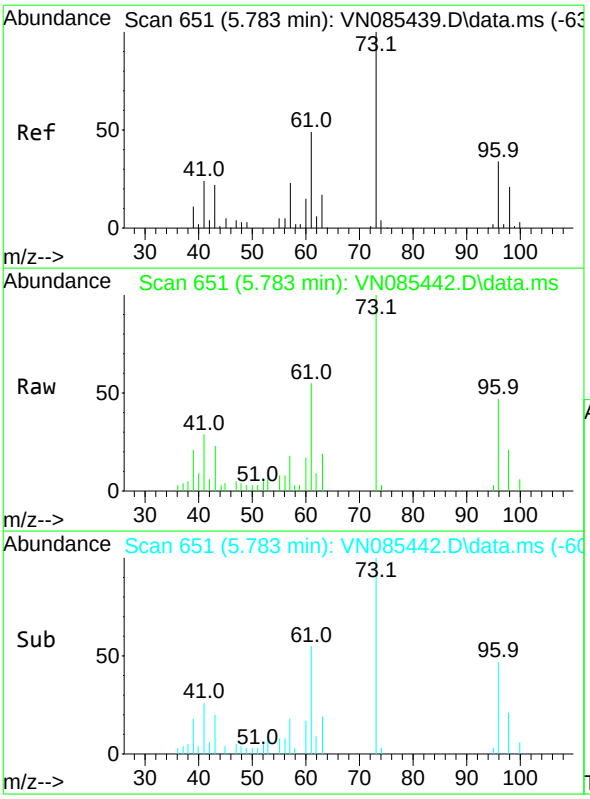


#20
Methylene Chloride
Concen: 5.389 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 84 Resp: 12981

Ion	Ratio	Lower	Upper
84	100		
49	114.5	104.1	156.1
51	32.1	31.0	46.4
86	42.9	51.9	77.9#

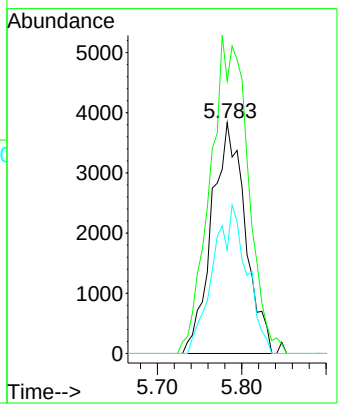




#21
trans-1,2-Dichloroethene
Concen: 4.960 ug/l
RT: 5.783 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 96 Resp: 10614

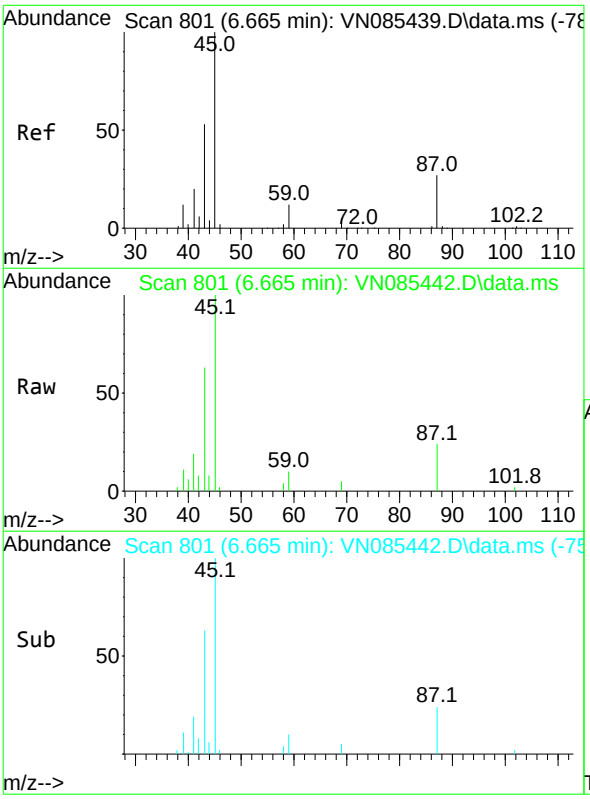
Ion	Ratio	Lower	Upper
96	100		
61	118.1	115.7	173.5
98	44.7	49.8	74.8#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

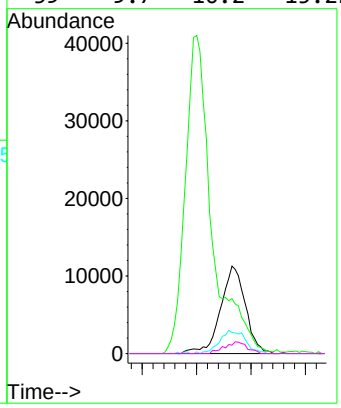
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

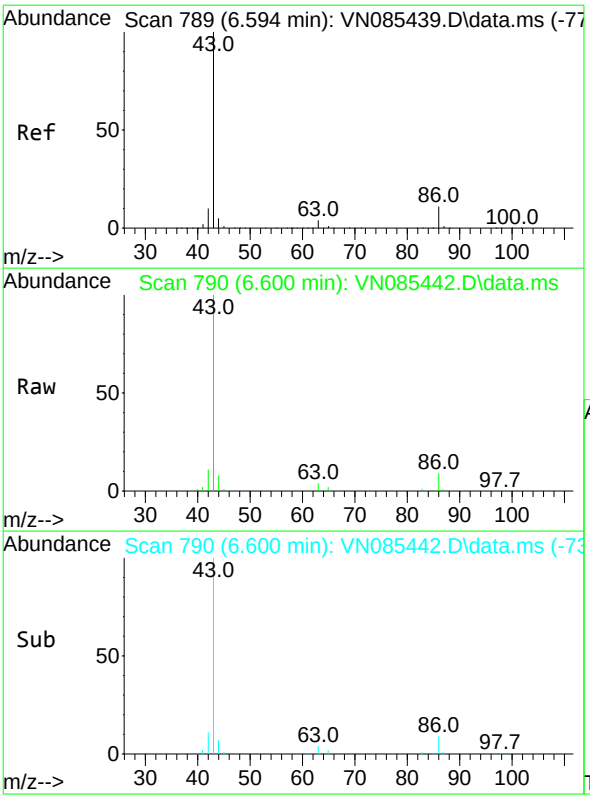


#22
Diisopropyl ether
Concen: 4.962 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 45 Resp: 35785

Ion	Ratio	Lower	Upper
45	100		
43	58.3	45.0	67.6
87	24.2	21.8	32.8
59	9.7	10.2	15.2#

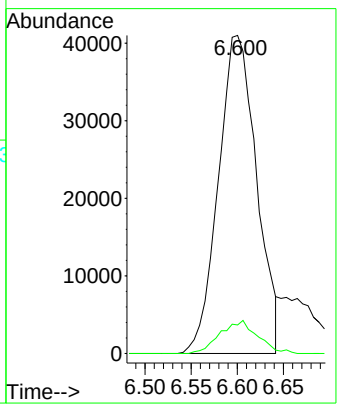




#23
Vinyl Acetate
Concen: 23.389 ug/l m
RT: 6.600 min Scan# 79
Delta R.T. 0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 43 Resp: 118439

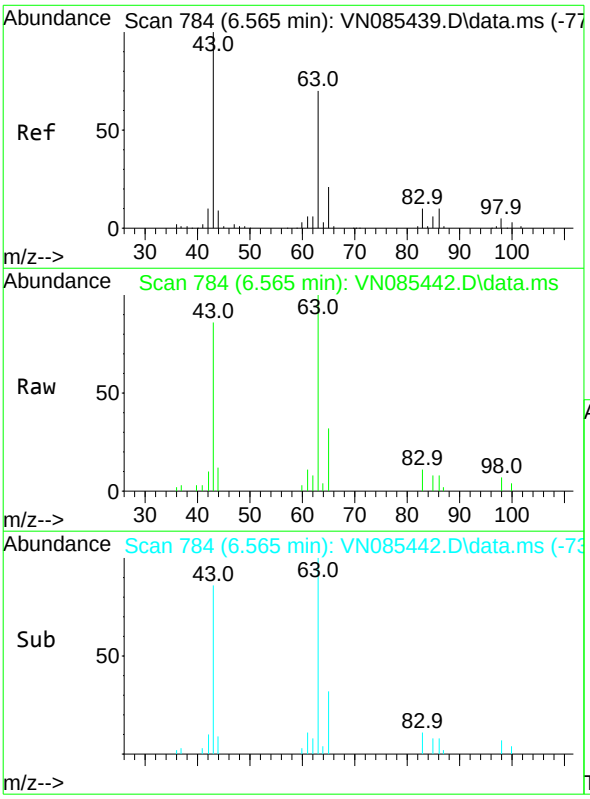
Ion	Ratio	Lower	Upper
43	100		
86	9.0	8.4	12.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
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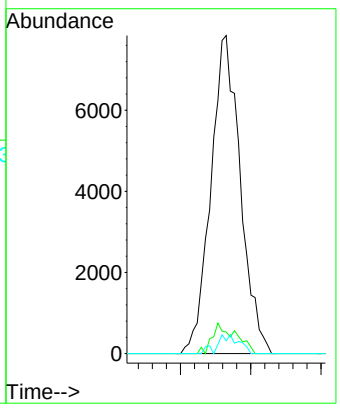
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

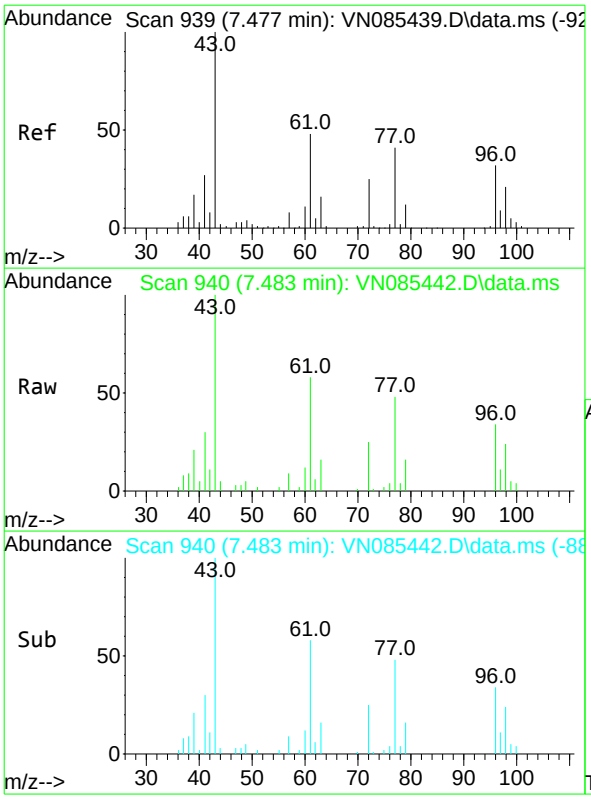


#24
1,1-Dichloroethane
Concen: 5.200 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 63 Resp: 22865

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.3	9.8
100	4.0	2.0	6.0

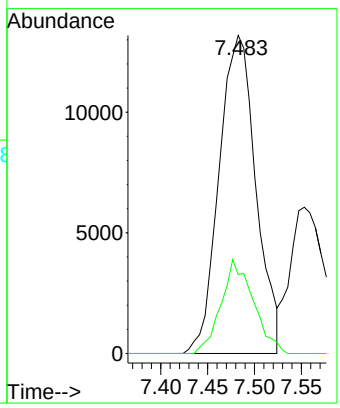




#25
2-Butanone
Concen: 25.231 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 43 Resp: 36127

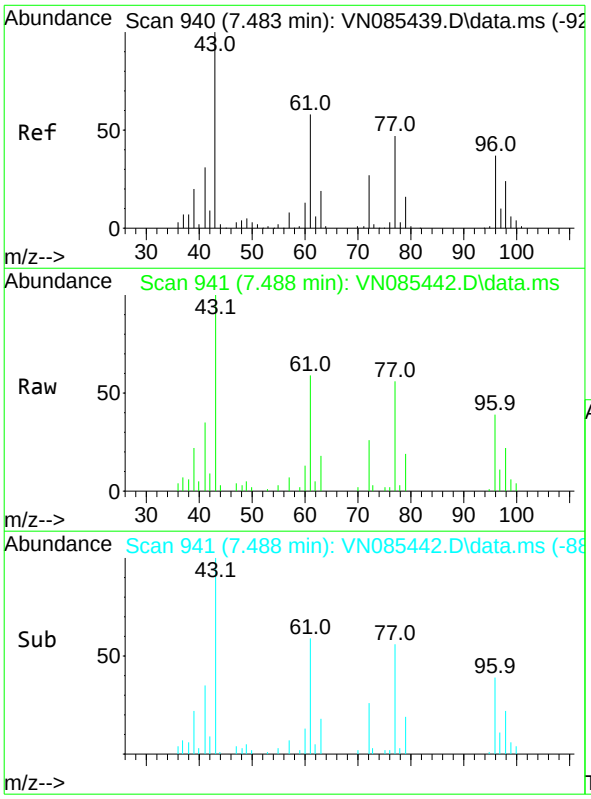
Ion	Ratio	Lower	Upper
43	100		
72	24.9	20.2	30.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

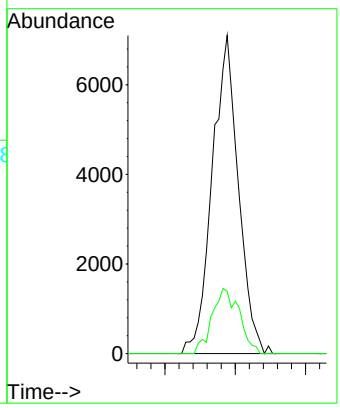
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

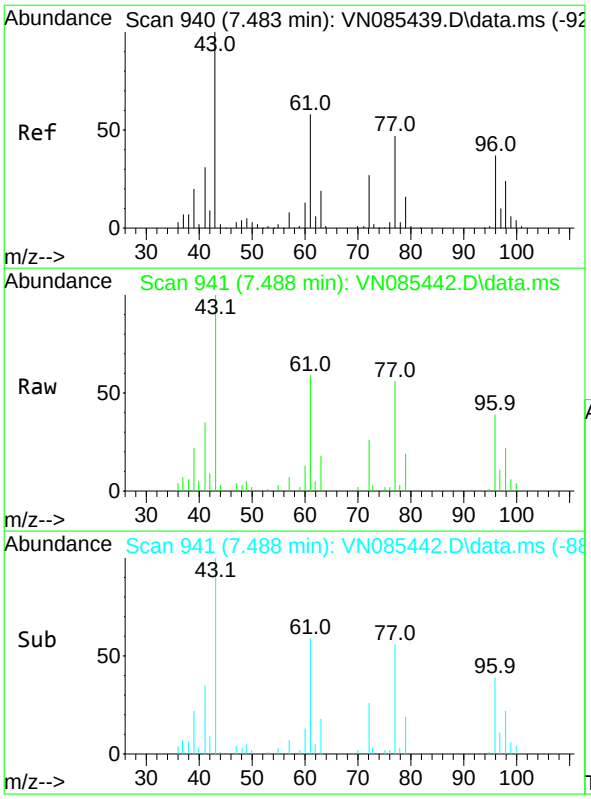


#26
2,2-Dichloropropane
Concen: 5.175 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 77 Resp: 18398

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.7	32.1





#27
cis-1,2-Dichloroethene
Concen: 4.951 ug/l
RT: 7.488 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

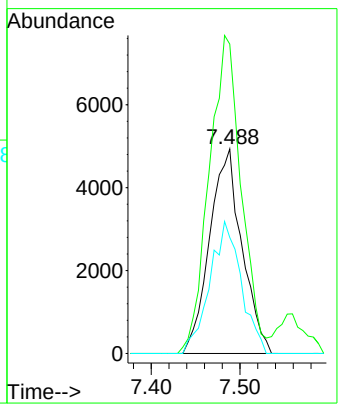
Tgt Ion: 96 Resp: 12477

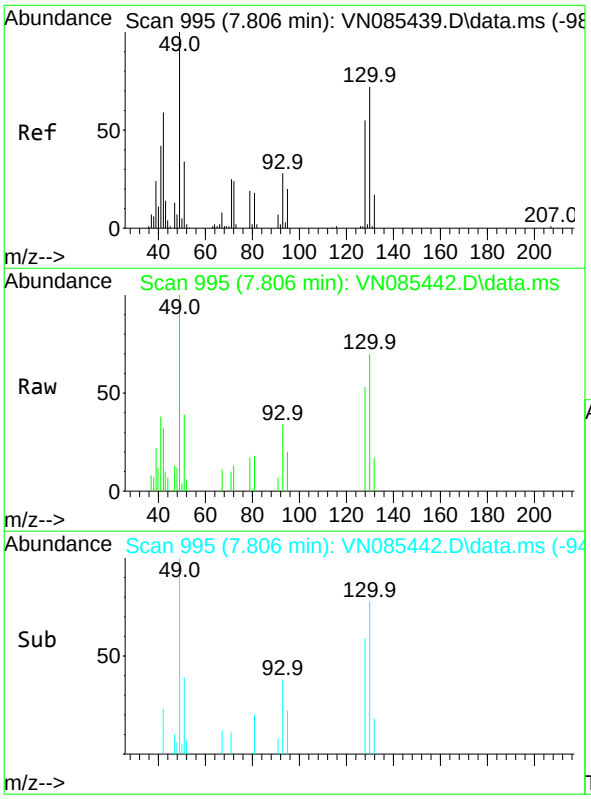
Ion	Ratio	Lower	Upper
96	100		
61	154.5	0.0	311.8
98	62.8	0.0	126.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

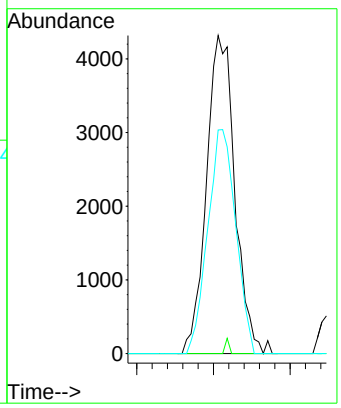


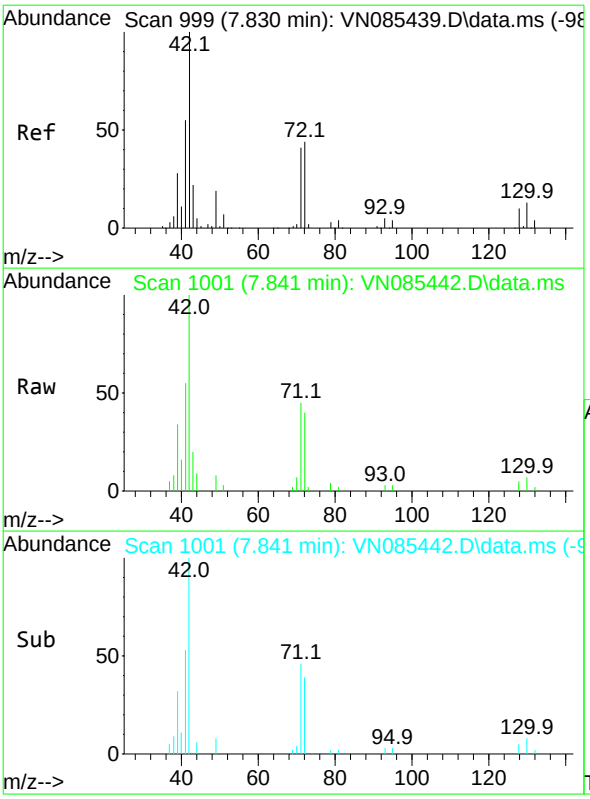


#28
Bromochloromethane
Concen: 5.424 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 49 Resp: 11096

Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	4.4
130	69.5	55.0	82.4

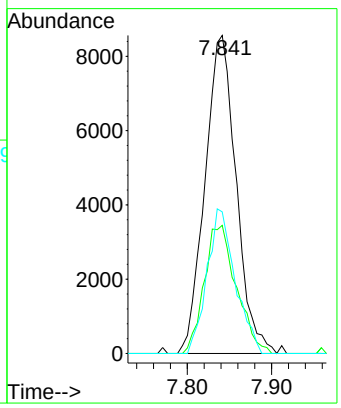




#29
Tetrahydrofuran
Concen: 24.215 ug/l
RT: 7.841 min Scan# 10
Delta R.T. 0.012 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 42 Resp: 21983

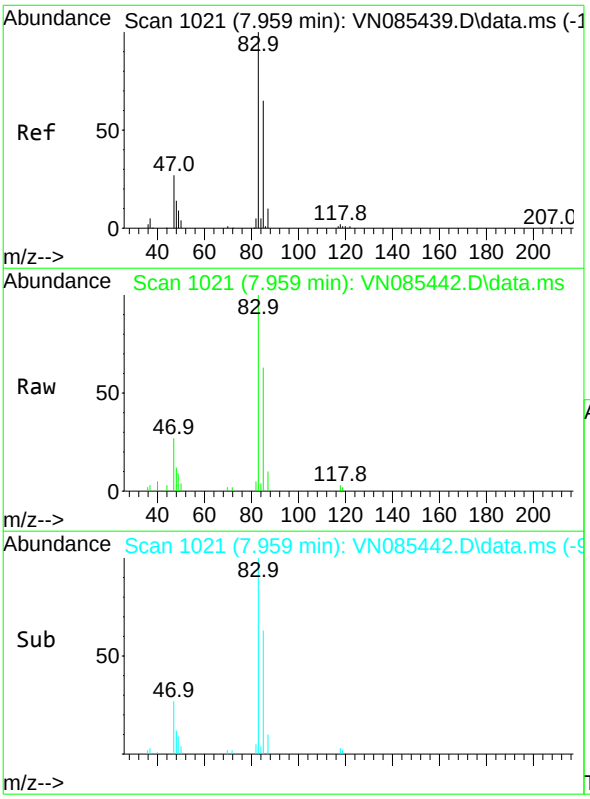
Ion	Ratio	Lower	Upper
42	100		
72	41.5	34.2	51.2
71	41.0	32.5	48.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

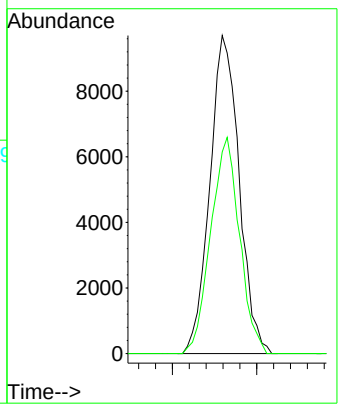
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

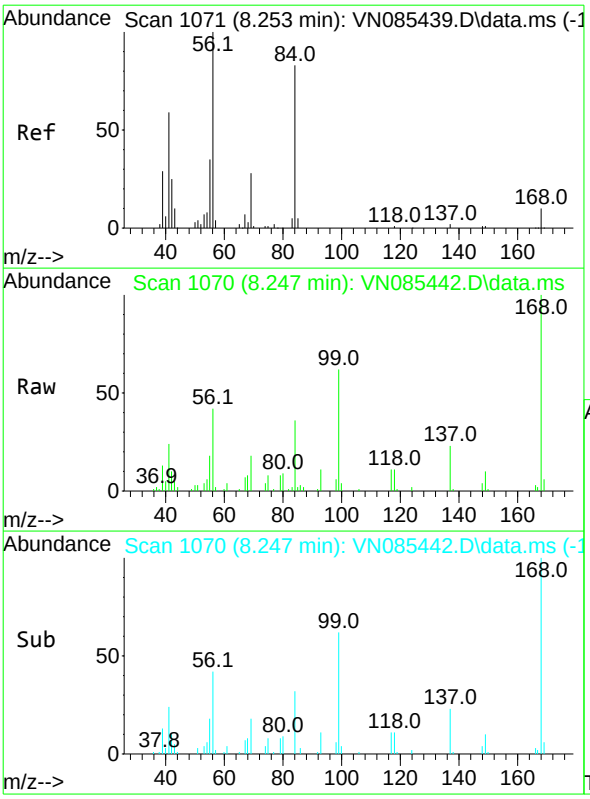


#30
Chloroform
Concen: 5.146 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 83 Resp: 23384

Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.8	77.6

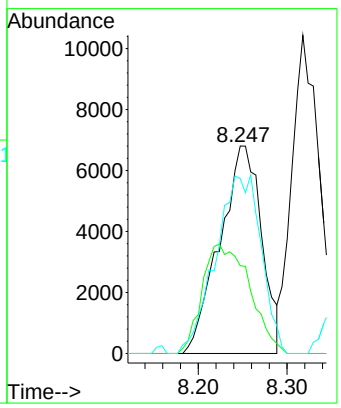




#31
Cyclohexane
Concen: 5.846 ug/l
RT: 8.247 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 56 Resp: 22343

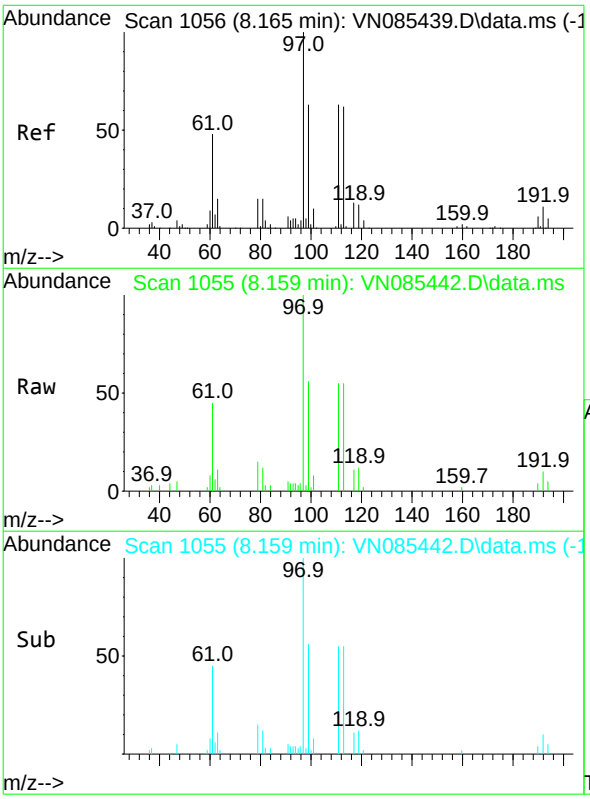
Ion	Ratio	Lower	Upper
56	100		
69	42.3	22.2	33.4#
84	84.3	66.4	99.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

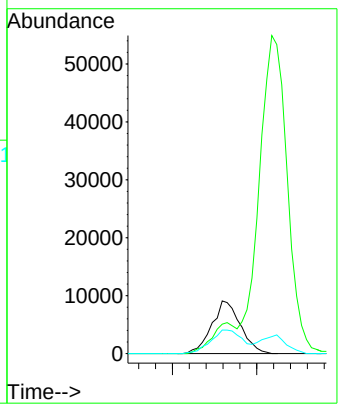
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

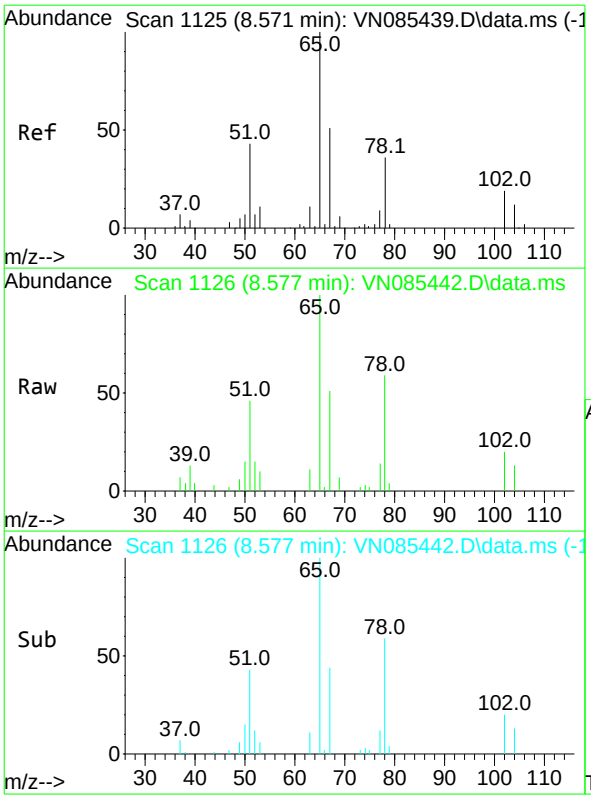


#32
1,1,1-Trichloroethane
Concen: 5.372 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 97 Resp: 21416

Ion	Ratio	Lower	Upper
97	100		
99	50.5	49.8	74.6
61	50.1	41.4	62.2

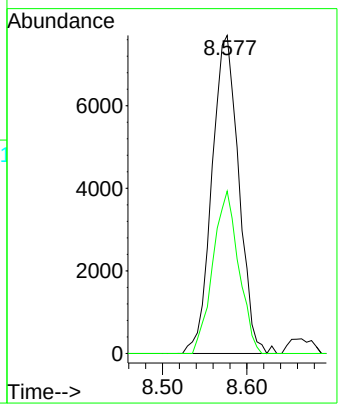




#33
1,2-Dichloroethane-d4
Concen: 5.660 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 65 Resp: 17046

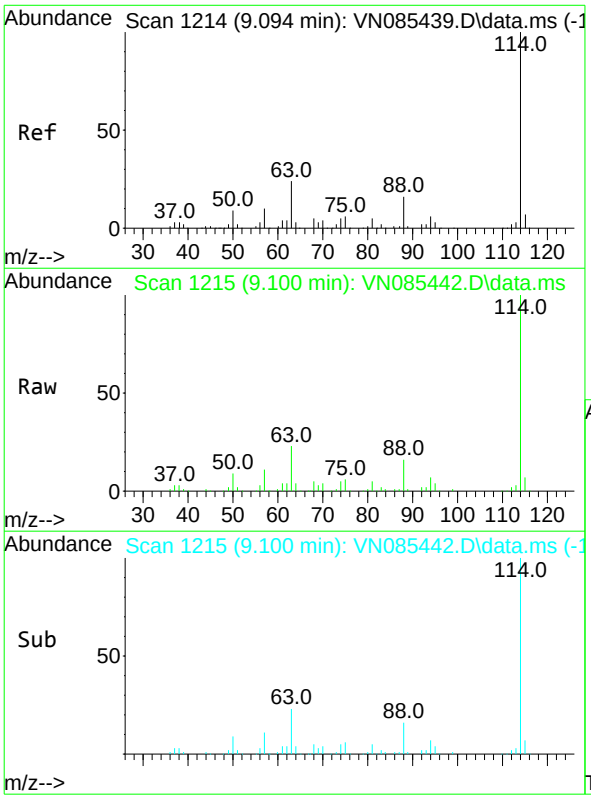
Ion	Ratio	Lower	Upper
65	100		
67	49.2	0.0	101.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

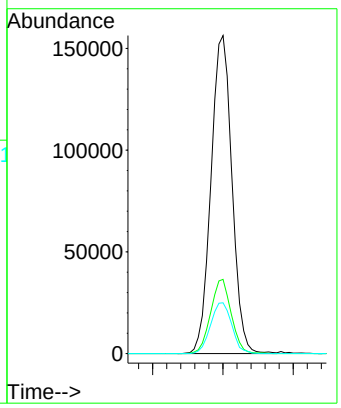
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

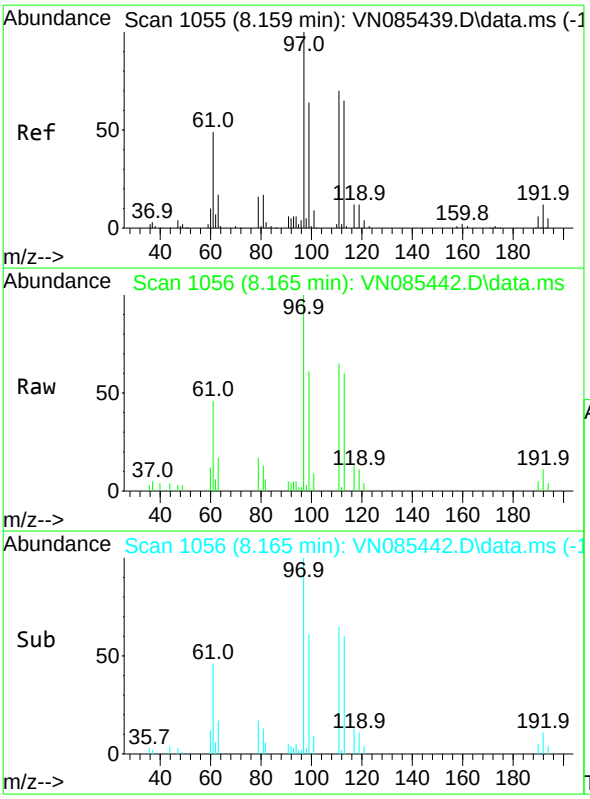


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion:114 Resp: 324413

Ion	Ratio	Lower	Upper
114	100		
63	23.3	0.0	47.6
88	16.0	0.0	32.6

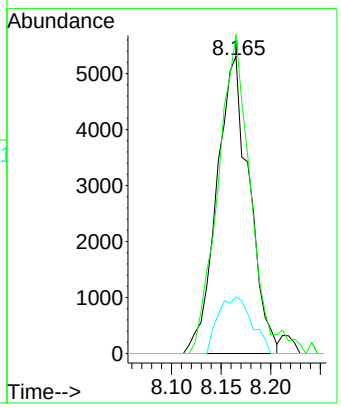




#35
Dibromofluoromethane
Concen: 5.377 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion:113 Resp: 12102

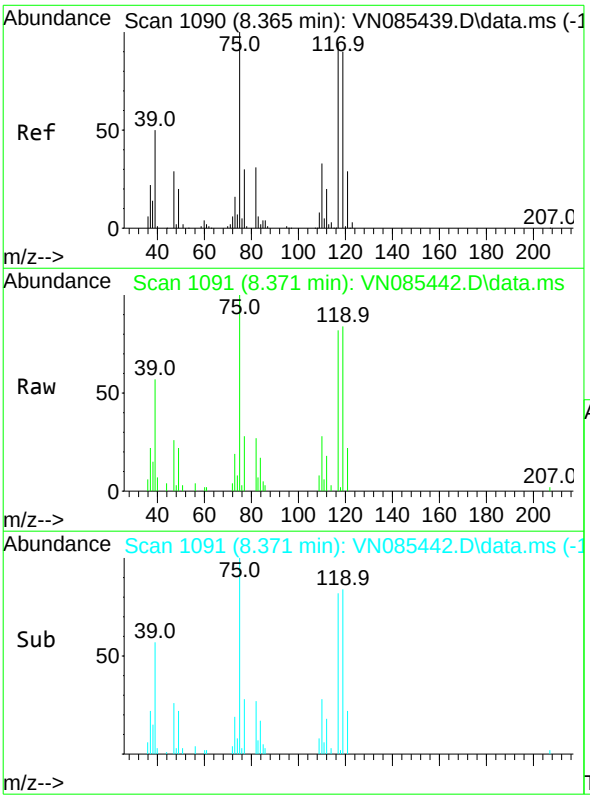
Ion	Ratio	Lower	Upper
113	100		
111	107.4	82.7	124.1
192	19.7	14.3	21.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

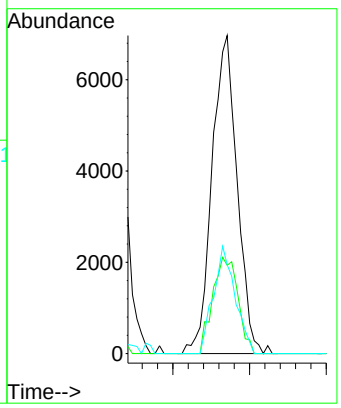
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

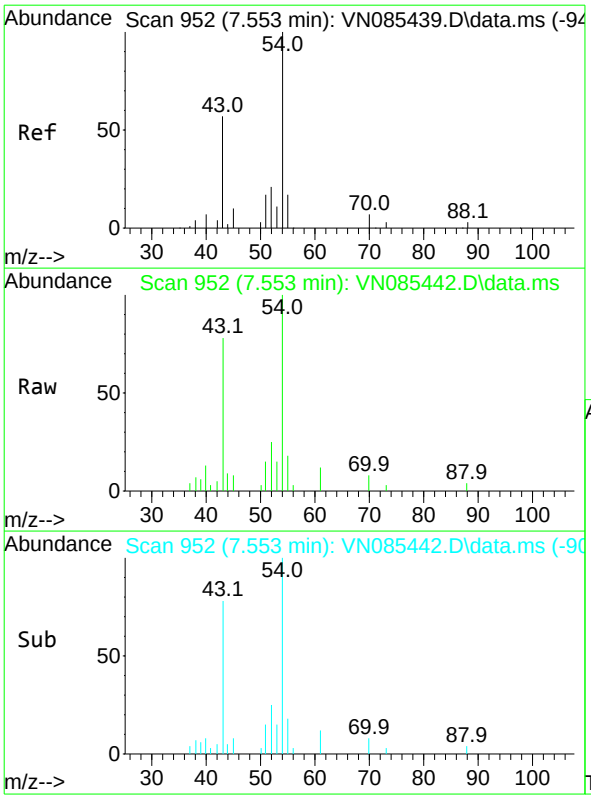


#36
1,1-Dichloropropene
Concen: 5.029 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 75 Resp: 15886

Ion	Ratio	Lower	Upper
75	100		
110	30.3	16.5	49.5
77	29.2	24.4	36.6

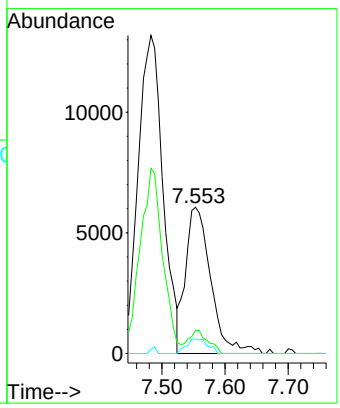




#37
Ethyl Acetate
Concen: 5.294 ug/l m
RT: 7.553 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 43 Resp: 16879

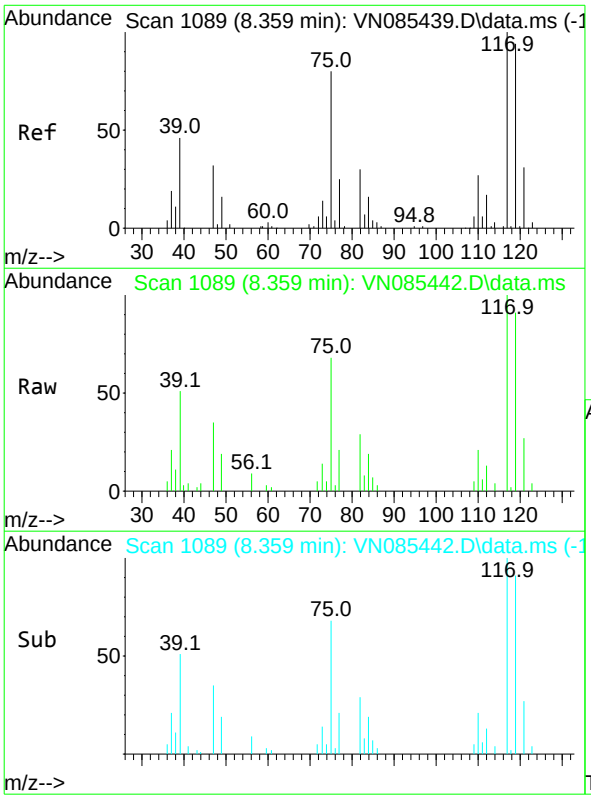
Ion	Ratio	Lower	Upper
43	100		
61	12.3	10.9	16.3
70	8.4	7.5	11.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

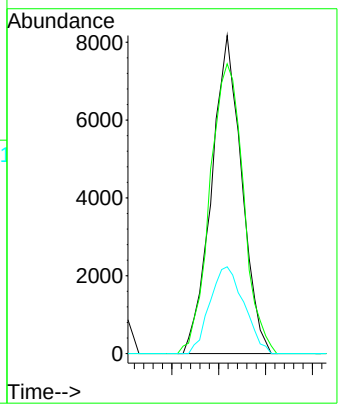
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

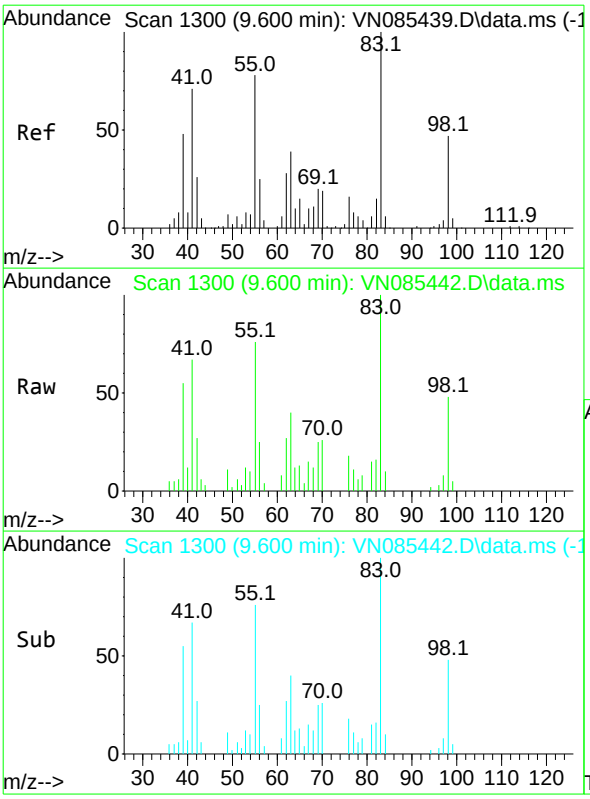


#38
Carbon Tetrachloride
Concen: 5.065 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion:117 Resp: 18317

Ion	Ratio	Lower	Upper
117	100		
119	91.1	75.4	113.2
121	27.3	24.6	37.0





#39
Methylcyclohexane
Concen: 4.776 ug/l
RT: 9.600 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

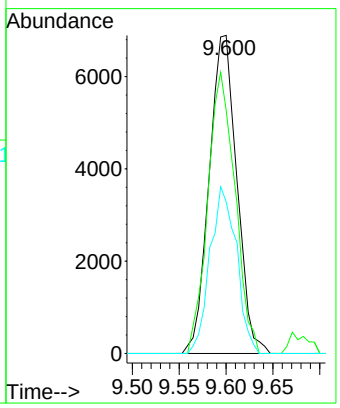
Tgt Ion: 83 Resp: 14175

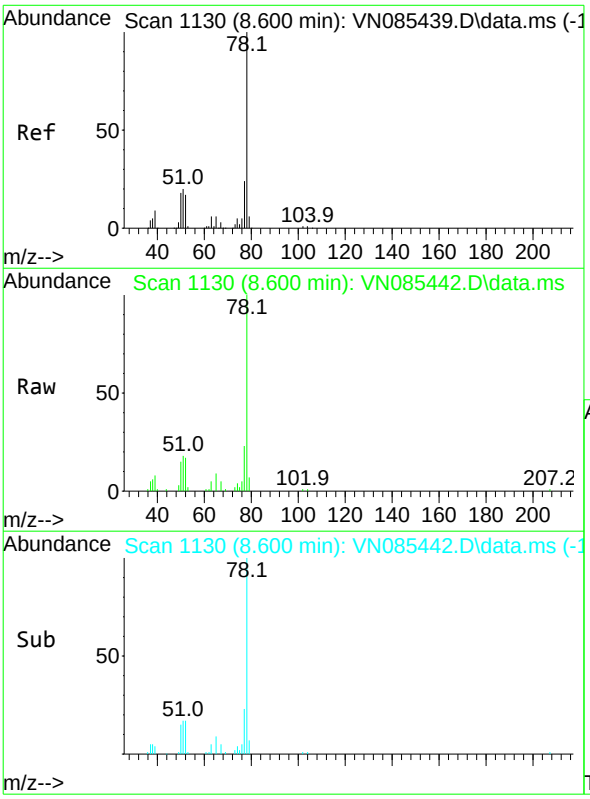
Ion	Ratio	Lower	Upper
83	100		
55	76.5	62.6	94.0
98	47.7	37.7	56.5

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

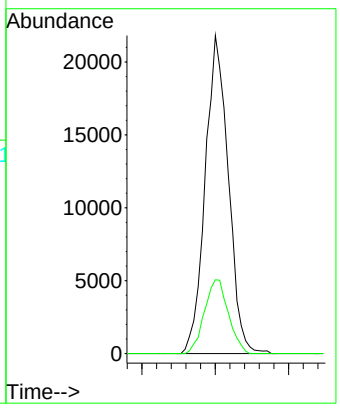


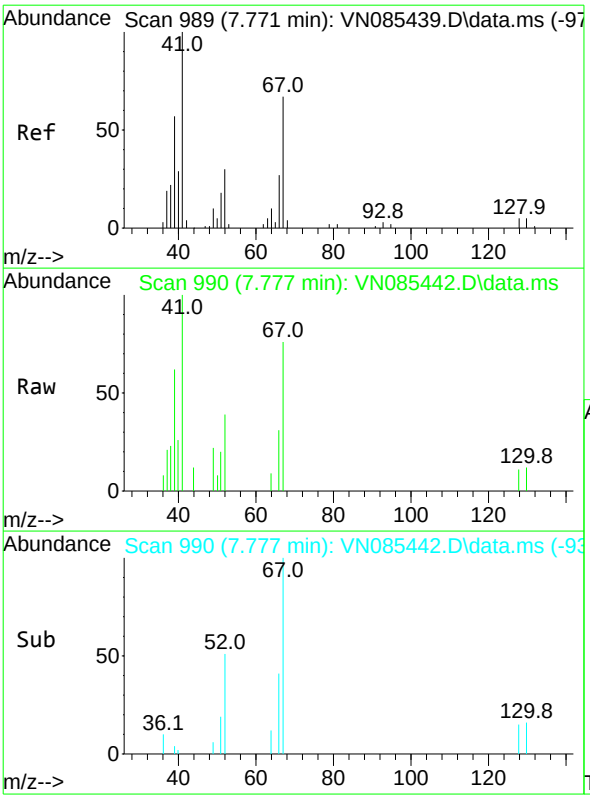


#40
Benzene
Concen: 5.040 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 78 Resp: 47833

Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.0	28.6

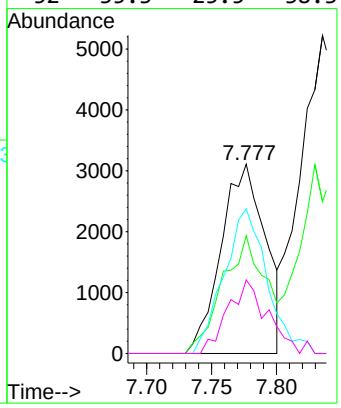




#41
Methacrylonitrile
Concen: 4.449 ug/l
RT: 7.777 min Scan# 99
Delta R.T. 0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 41 Resp: 7380

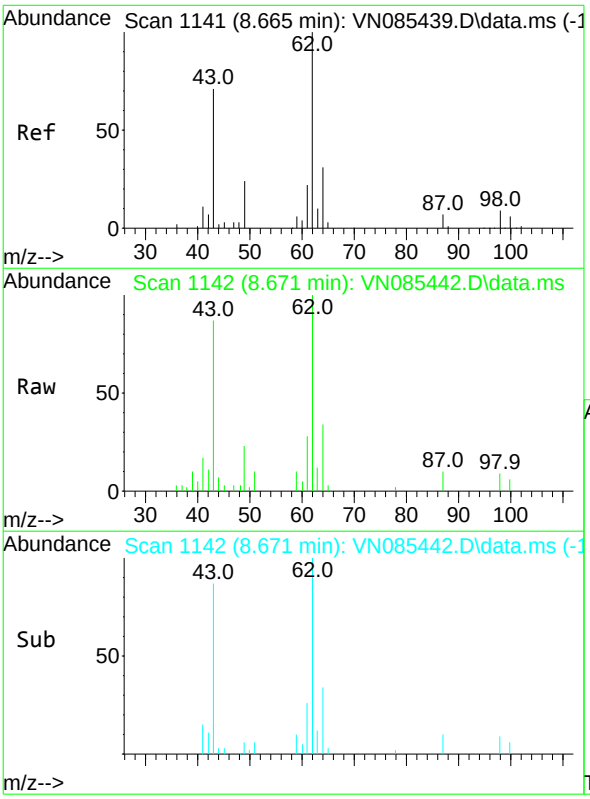
Ion	Ratio	Lower	Upper
41	100		
39	60.5	46.0	69.0
67	74.6	57.4	86.2
52	35.3	25.5	38.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

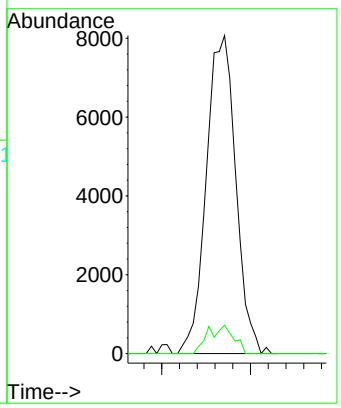
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

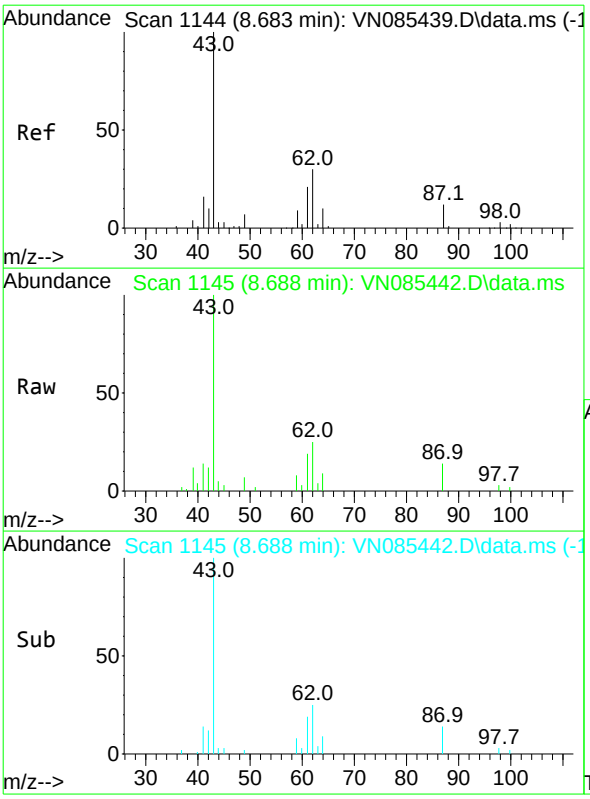


#42
1,2-Dichloroethane
Concen: 5.211 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 62 Resp: 18628

Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	17.0

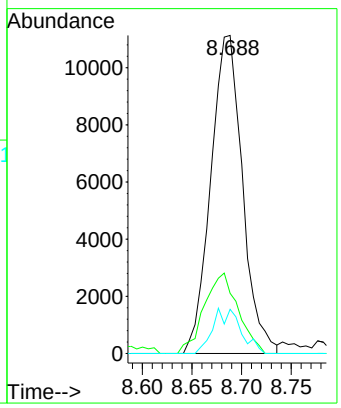




#43
Isopropyl Acetate
Concen: 4.853 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 43 Resp: 24792

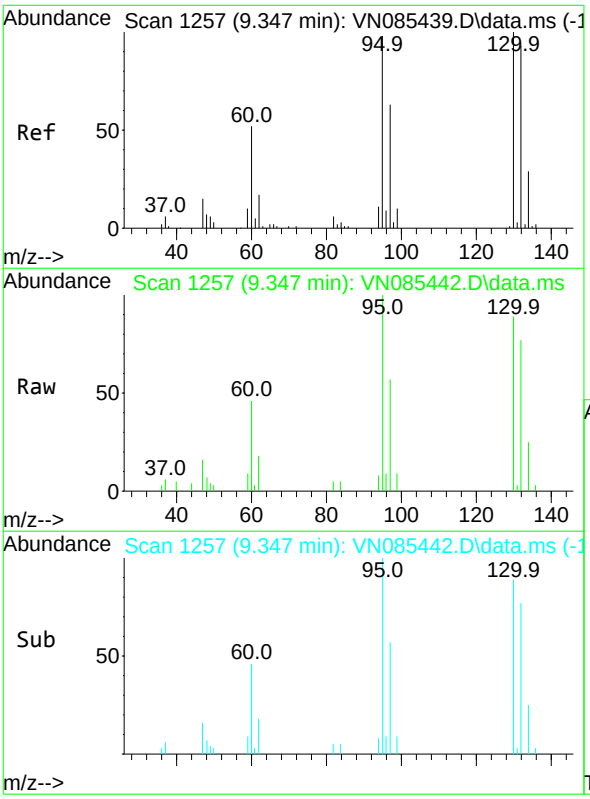
Ion	Ratio	Lower	Upper
43	100		
61	27.0	20.7	31.1
87	12.3	9.8	14.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

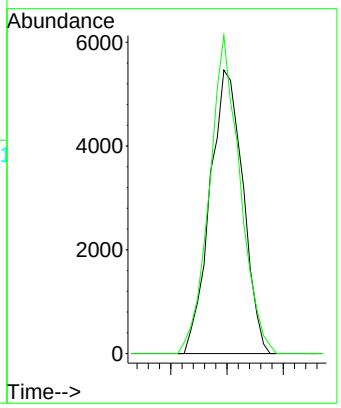
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

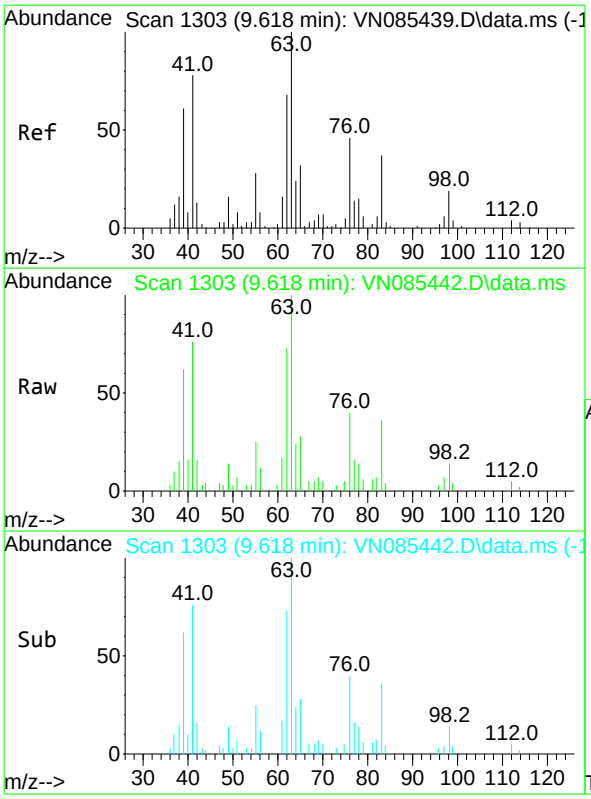


#44
Trichloroethene
Concen: 5.039 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion:130 Resp: 11133

Ion	Ratio	Lower	Upper
130	100		
95	112.2	0.0	195.8

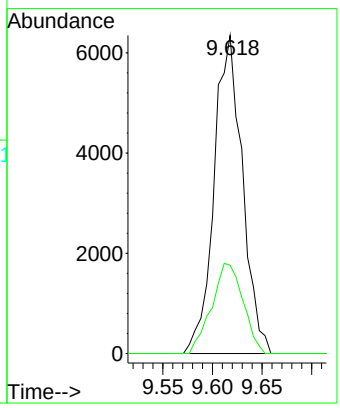




#45
1,2-Dichloropropane
Concen: 5.194 ug/l
RT: 9.618 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 63 Resp: 12591

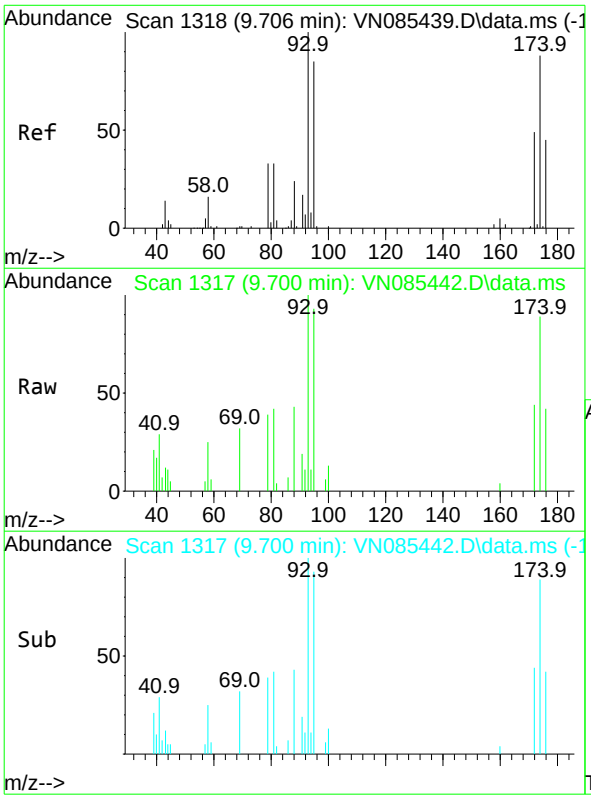
Ion	Ratio	Lower	Upper
63	100		
65	27.8	25.6	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

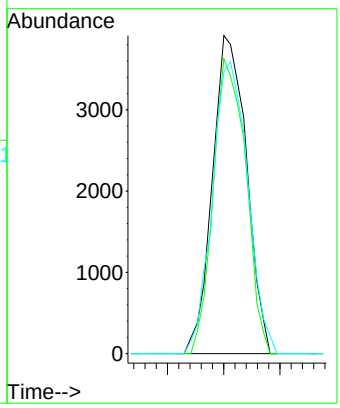
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

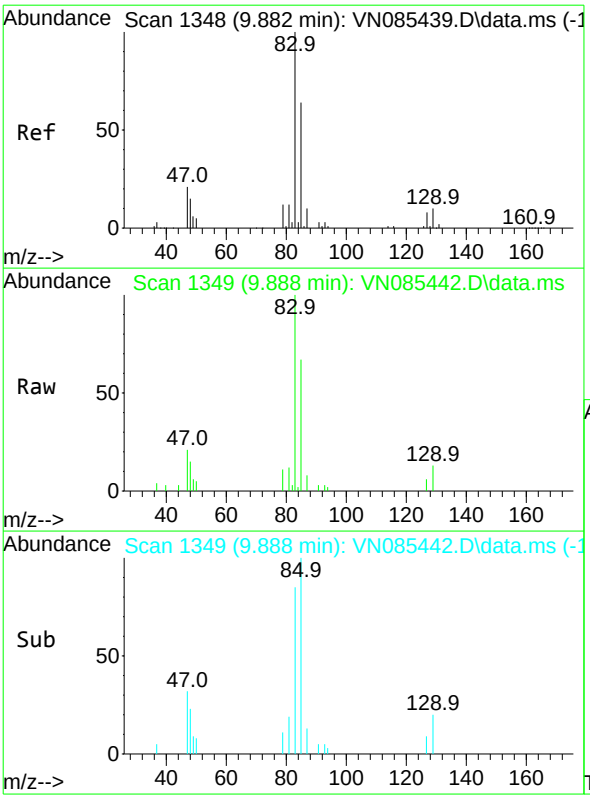


#46
Dibromomethane
Concen: 4.705 ug/l
RT: 9.700 min Scan# 1317
Delta R.T. -0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 93 Resp: 8230

Ion	Ratio	Lower	Upper
93	100		
95	88.7	64.7	97.1
174	95.0	69.0	103.4

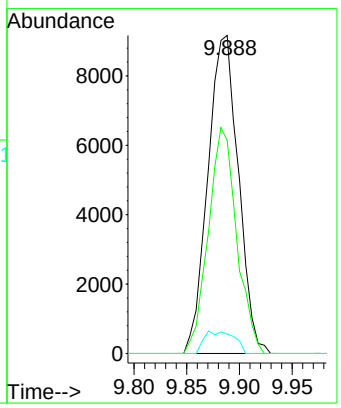




#47
Bromodichloromethane
Concen: 5.179 ug/l
RT: 9.888 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 83 Resp: 18456

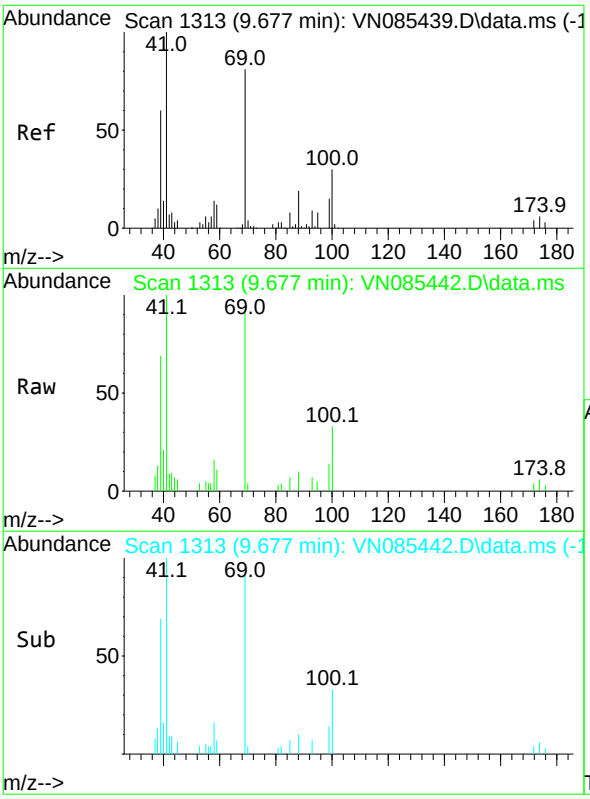
Ion	Ratio	Lower	Upper
83	100		
85	67.0	51.2	76.8
127	6.1	6.5	9.7#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

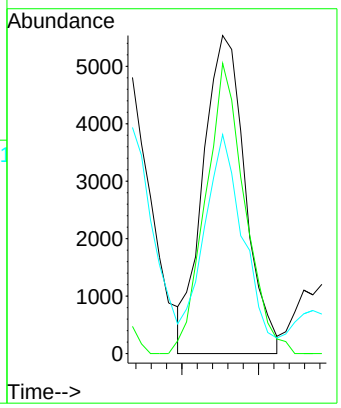
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

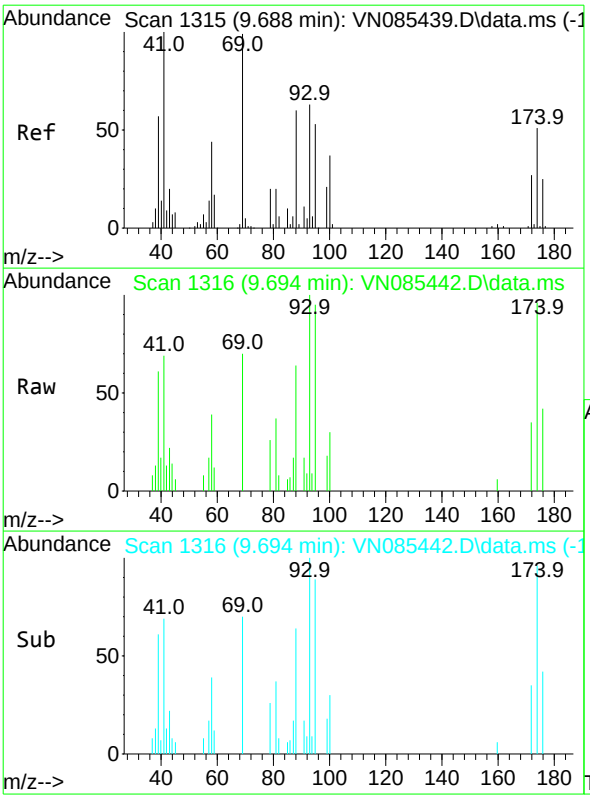


#48
Methyl methacrylate
Concen: 4.599 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 41 Resp: 10574

Ion	Ratio	Lower	Upper
41	100		
69	84.9	64.7	97.1
39	65.3	49.0	73.6





#49
1,4-Dioxane
Concen: 93.477 ug/l
RT: 9.694 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

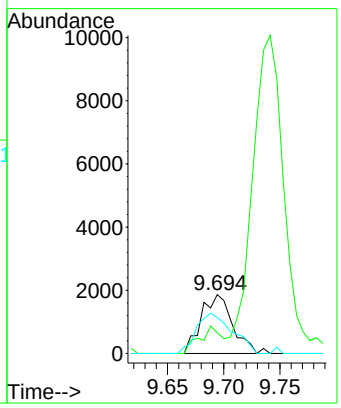
Tgt Ion: 88 Resp: 3619

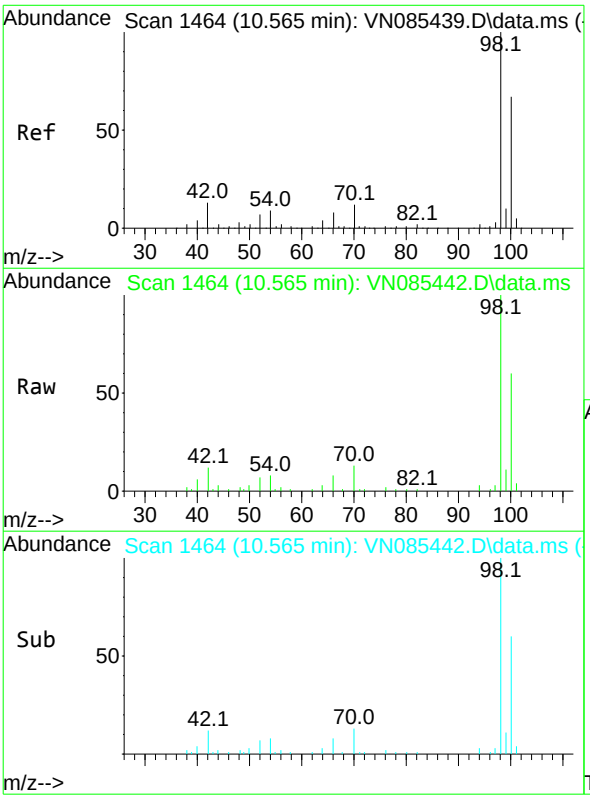
Ion	Ratio	Lower	Upper
88	100		
43	32.3	26.6	39.8
58	77.9	59.5	89.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

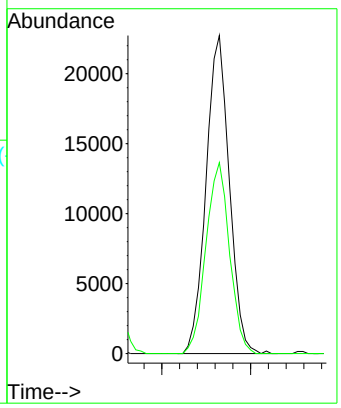


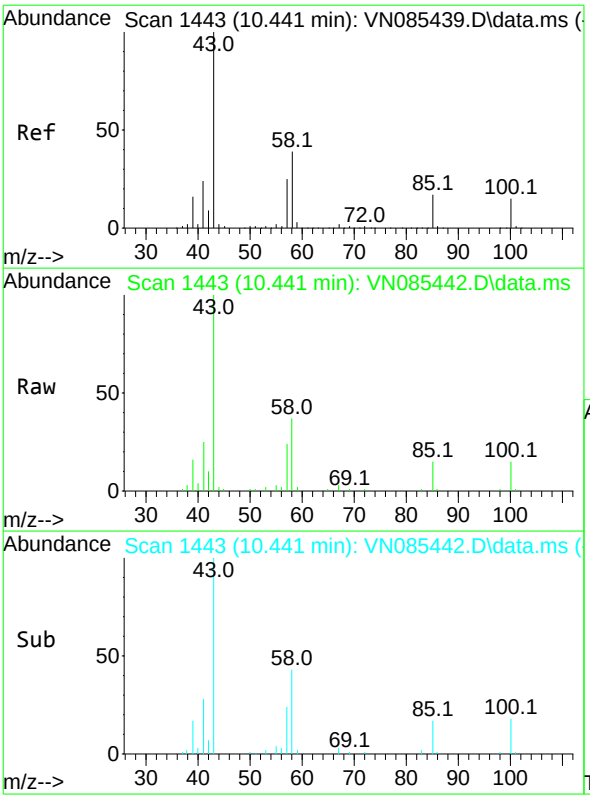


#50
Toluene-d8
Concen: 5.168 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 98 Resp: 41328

Ion	Ratio	Lower	Upper
98	100		
100	60.9	52.2	78.4





#51
4-Methyl-2-Pentanone
Concen: 24.250 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

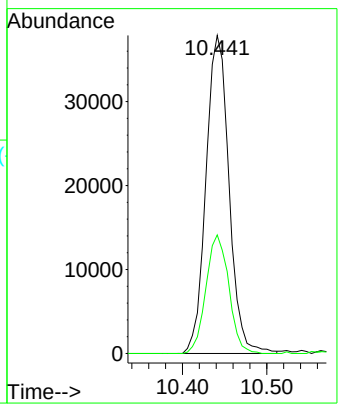
Tgt Ion: 43 Resp: 71889

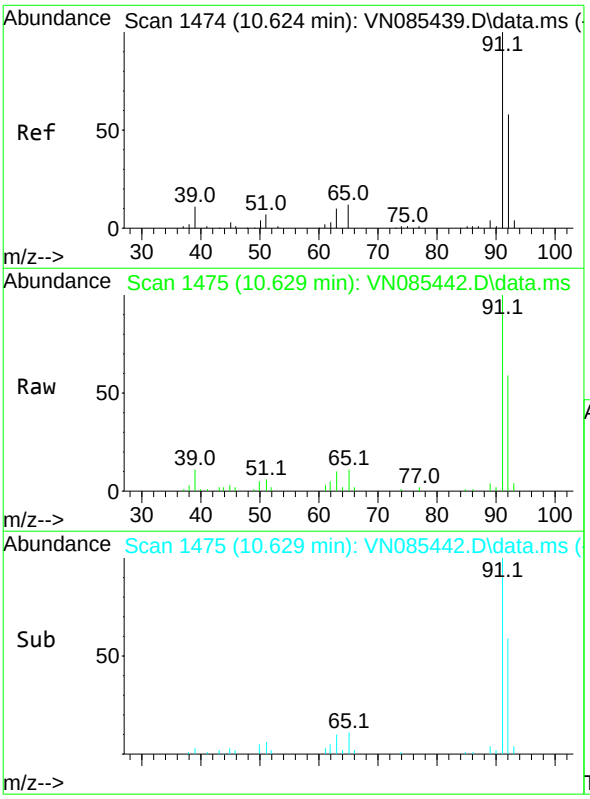
Ion	Ratio	Lower	Upper
43	100		
58	36.9	30.5	45.7

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

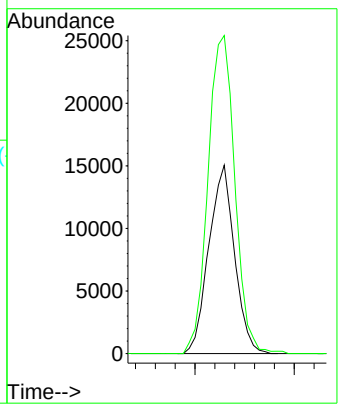


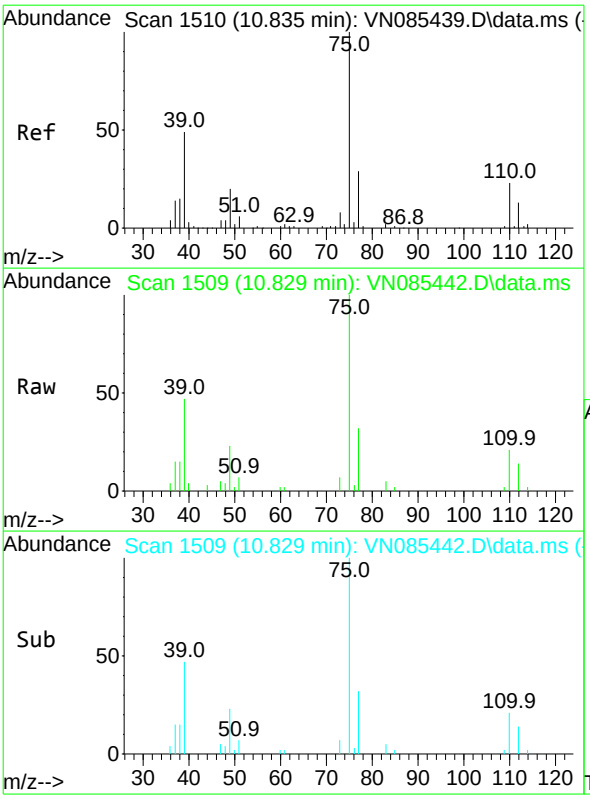


#52
Toluene
Concen: 4.928 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.005 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 92 Resp: 27098

Ion	Ratio	Lower	Upper
92	100		
91	176.4	139.2	208.8

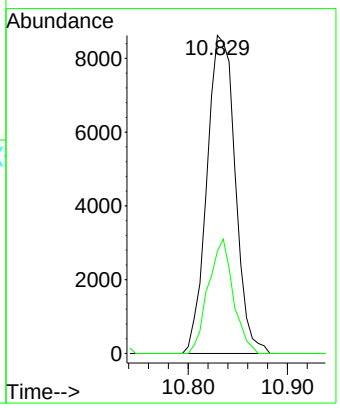




#53
t-1,3-Dichloropropene
Concen: 5.077 ug/l
RT: 10.829 min Scan# 15
Delta R.T. -0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 75 Resp: 17099

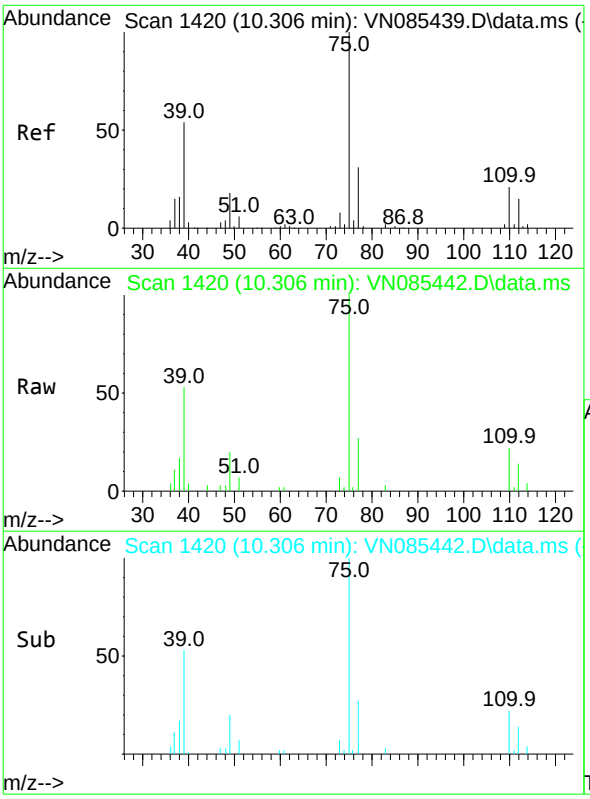
Ion	Ratio	Lower	Upper
75	100		
77	32.2	23.5	35.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

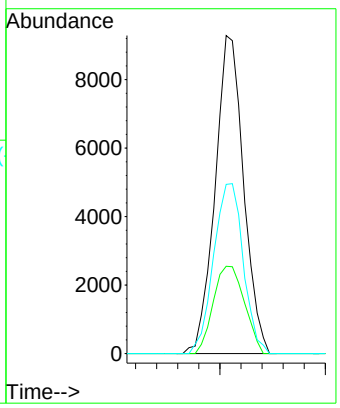
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

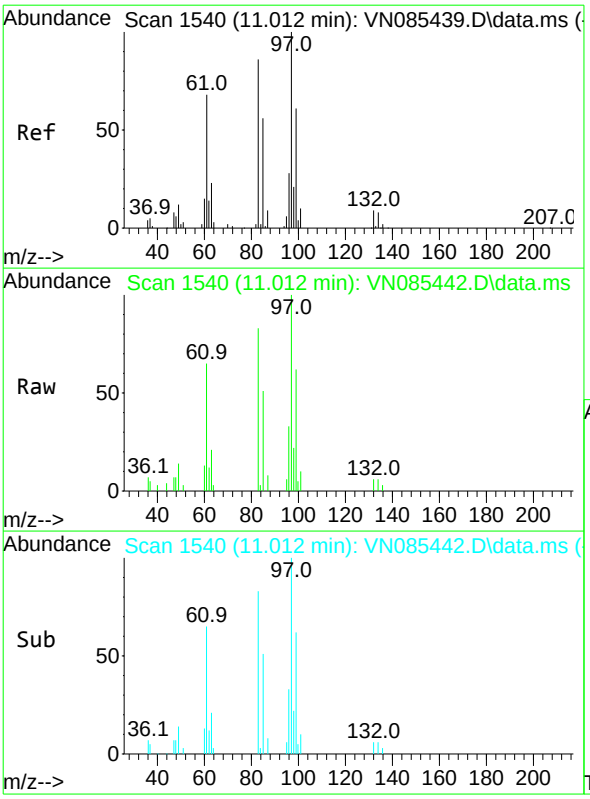


#54
cis-1,3-Dichloropropene
Concen: 4.848 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 75 Resp: 17440

Ion	Ratio	Lower	Upper
75	100		
77	27.5	25.0	37.4
39	53.2	43.1	64.7

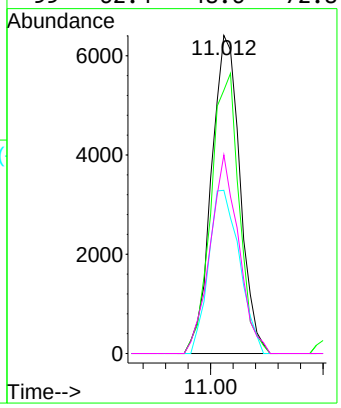




#55
1,1,2-Trichloroethane
Concen: 5.197 ug/l
RT: 11.012 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 97 Resp: 11311

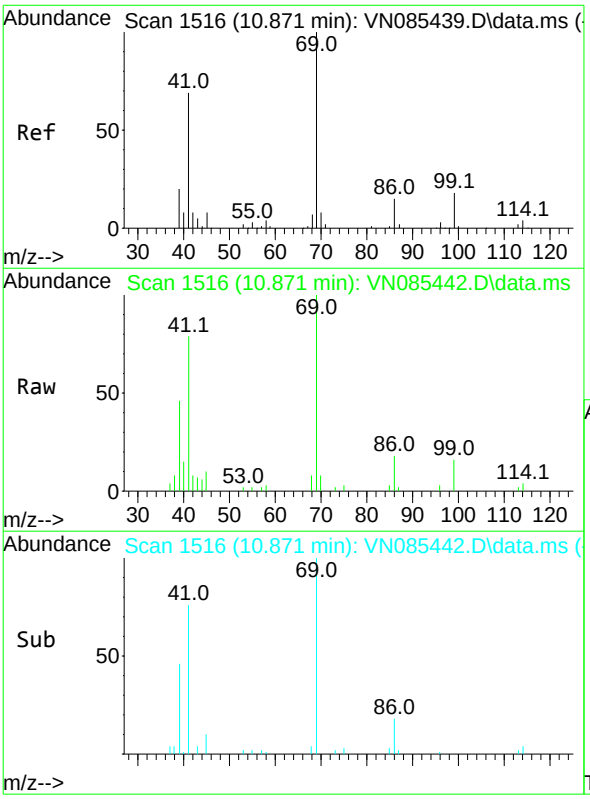
Ion	Ratio	Lower	Upper
97	100		
83	82.7	69.0	103.6
85	51.3	44.6	66.8
99	62.4	48.6	72.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

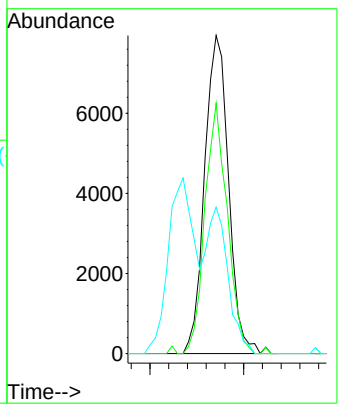
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

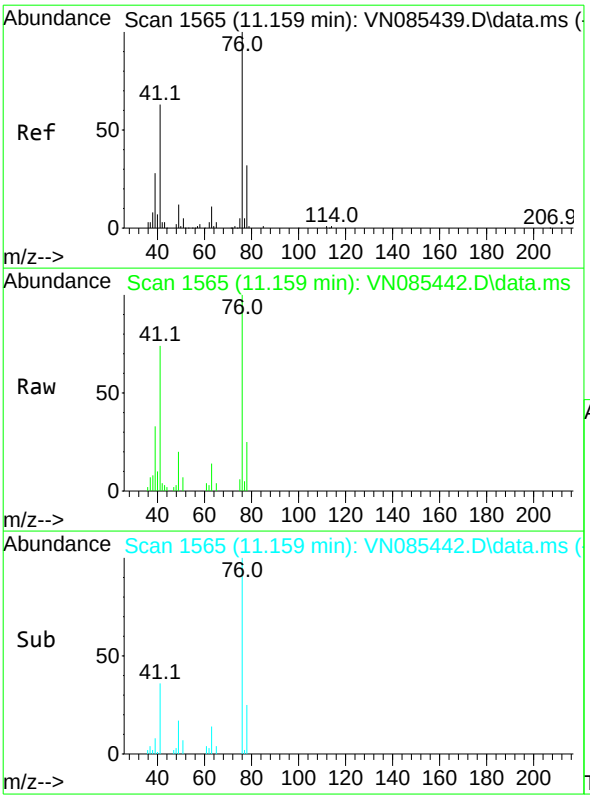


#56
Ethyl methacrylate
Concen: 5.627 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 69 Resp: 14094

Ion	Ratio	Lower	Upper
69	100		
41	73.8	54.6	82.0
39	42.6	32.4	48.6





#57
1,3-Dichloropropane
Concen: 5.006 ug/l
RT: 11.159 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

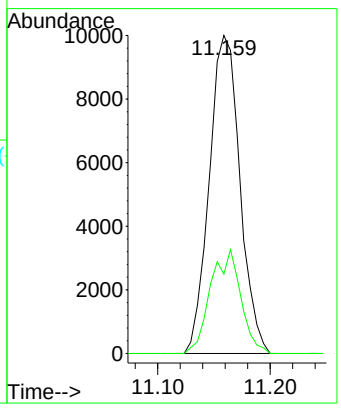
Tgt Ion: 76 Resp: 18945

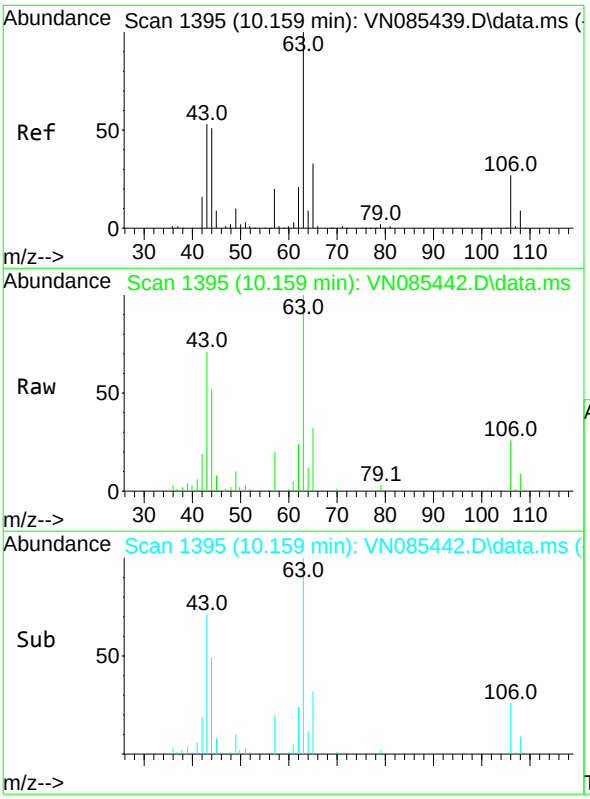
Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.6	38.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

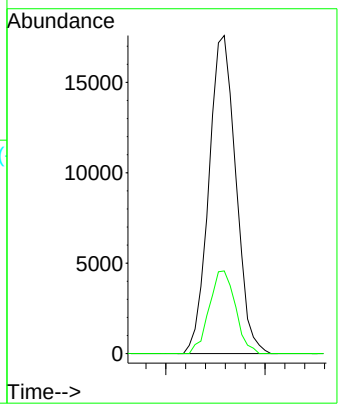


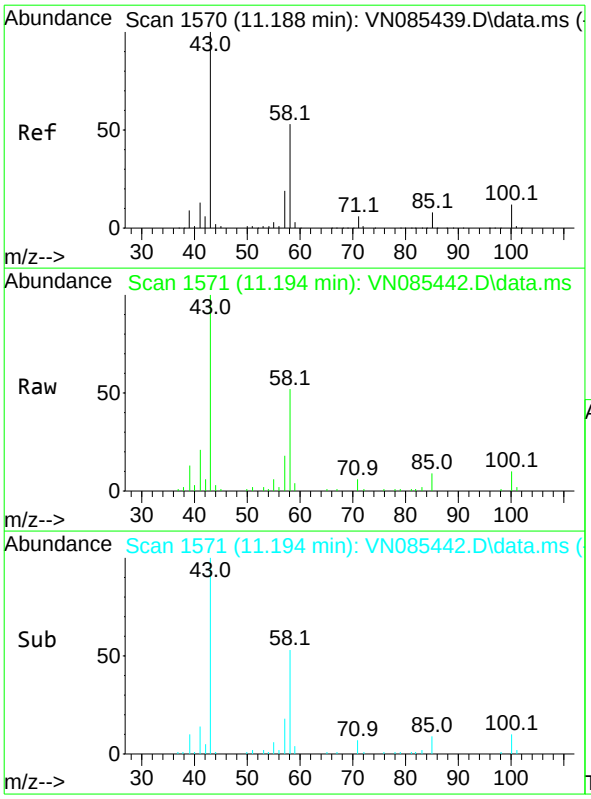


#58
2-Chloroethyl Vinyl ether
Concen: 24.047 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 63 Resp: 33210

Ion	Ratio	Lower	Upper
63	100		
106	25.2	21.6	32.4





#59
2-Hexanone
Concen: 23.501 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

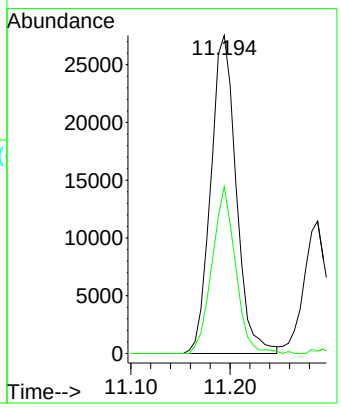
Tgt Ion: 43 Resp: 49021

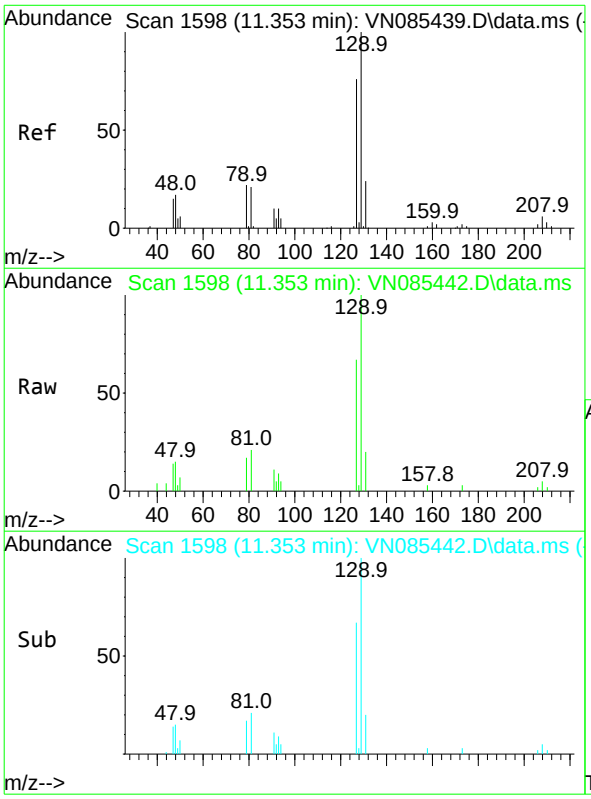
Ion	Ratio	Lower	Upper
43	100		
58	48.3	26.2	78.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

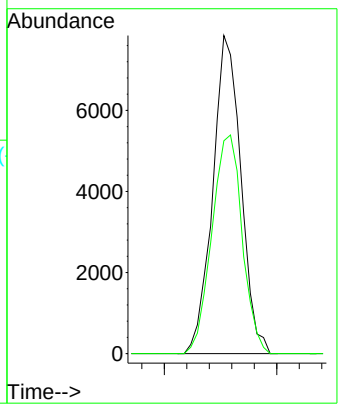


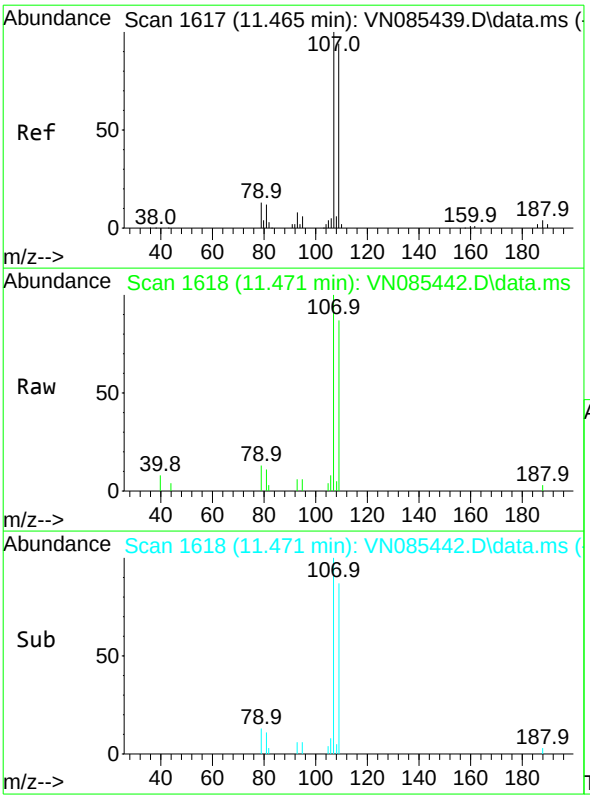


#60
Dibromochloromethane
Concen: 5.190 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion:129 Resp: 13635

Ion	Ratio	Lower	Upper
129	100		
127	73.9	38.6	115.8





#61
1,2-Dibromoethane
Concen: 4.810 ug/l
RT: 11.471 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

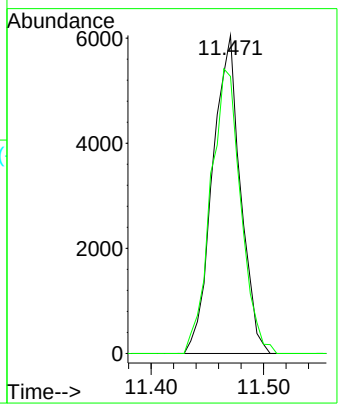
Tgt Ion:107 Resp: 10419

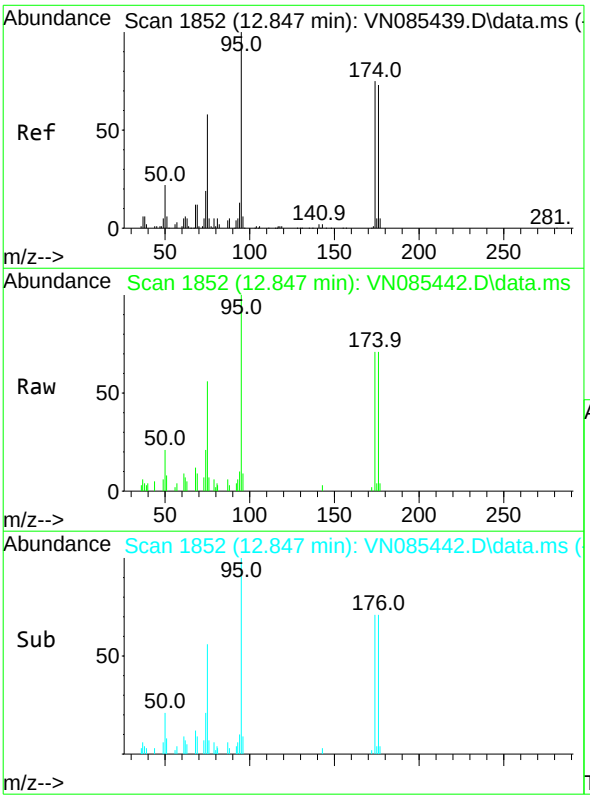
Ion	Ratio	Lower	Upper
107	100		
109	96.8	75.9	113.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

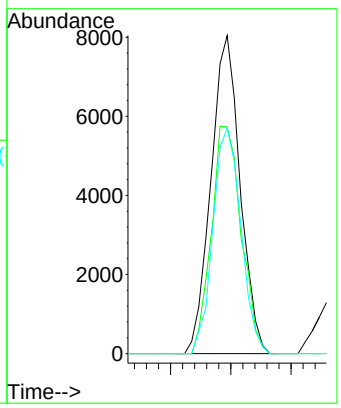


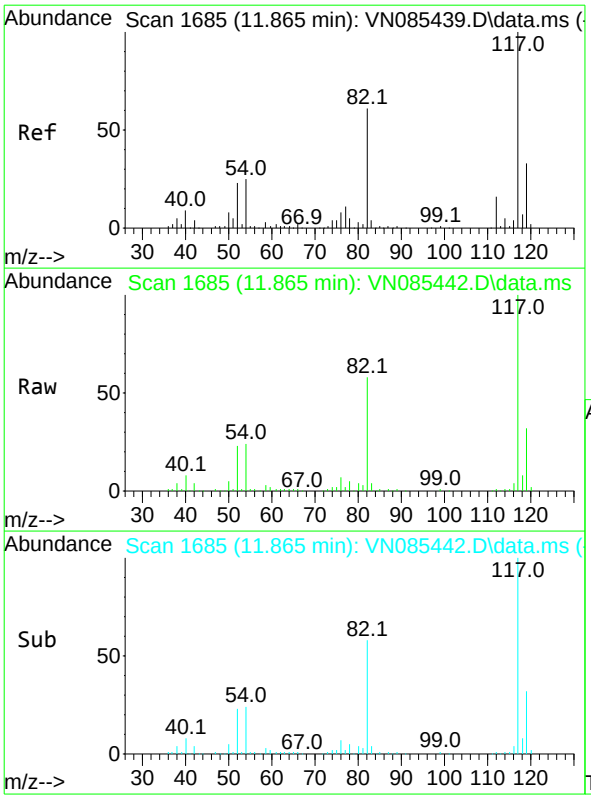


#62
4-Bromofluorobenzene
Concen: 4.943 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 95 Resp: 13520

Ion	Ratio	Lower	Upper
95	100		
174	73.2	0.0	145.0
176	68.0	0.0	142.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

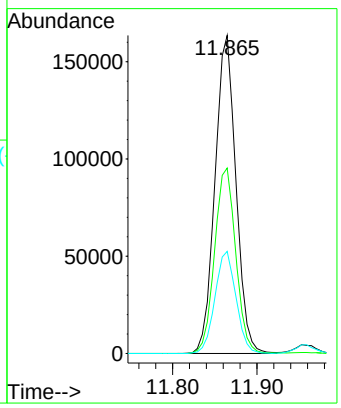
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

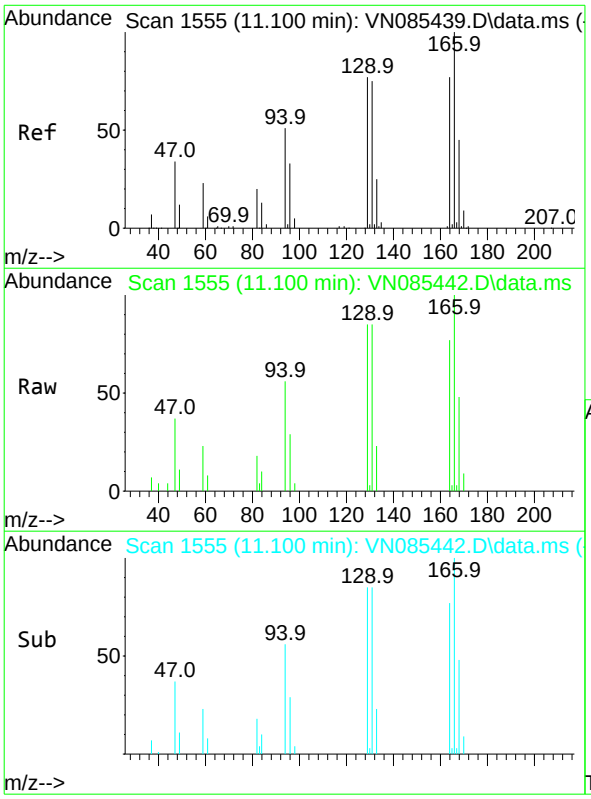
Tgt Ion:117 Resp: 282203

Ion	Ratio	Lower	Upper
117	100		
82	58.3	48.6	72.8
119	32.1	26.6	39.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

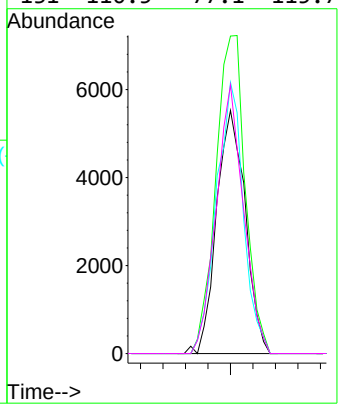


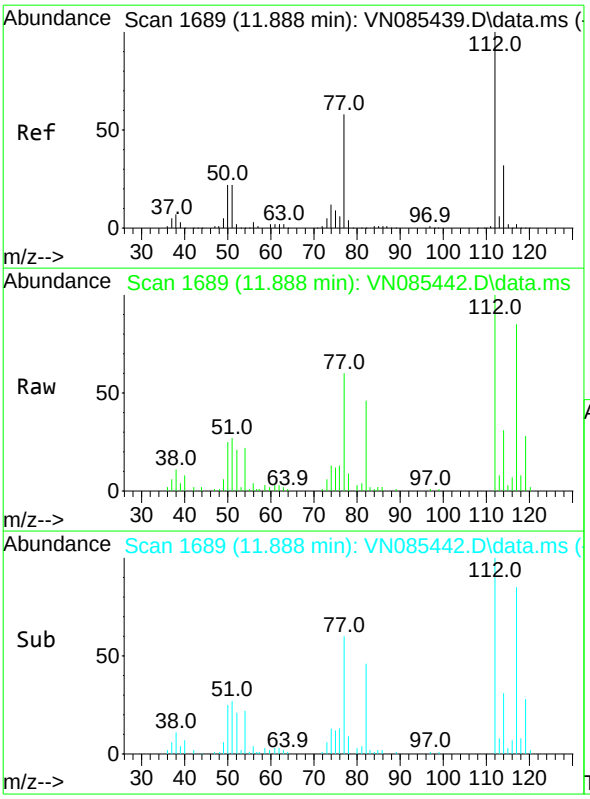


#64
Tetrachloroethene
Concen: 5.071 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion:164 Resp: 9756

Ion	Ratio	Lower	Upper
164	100		
166	130.6	103.4	155.2
129	111.5	79.2	118.8
131	110.5	77.1	115.7

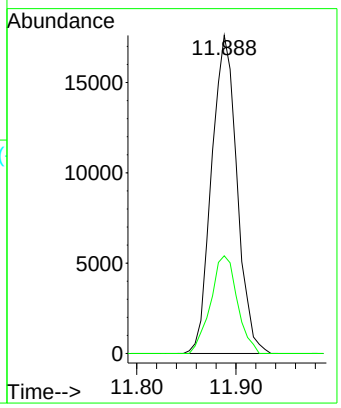




#65
Chlorobenzene
Concen: 5.065 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion:112 Resp: 31312

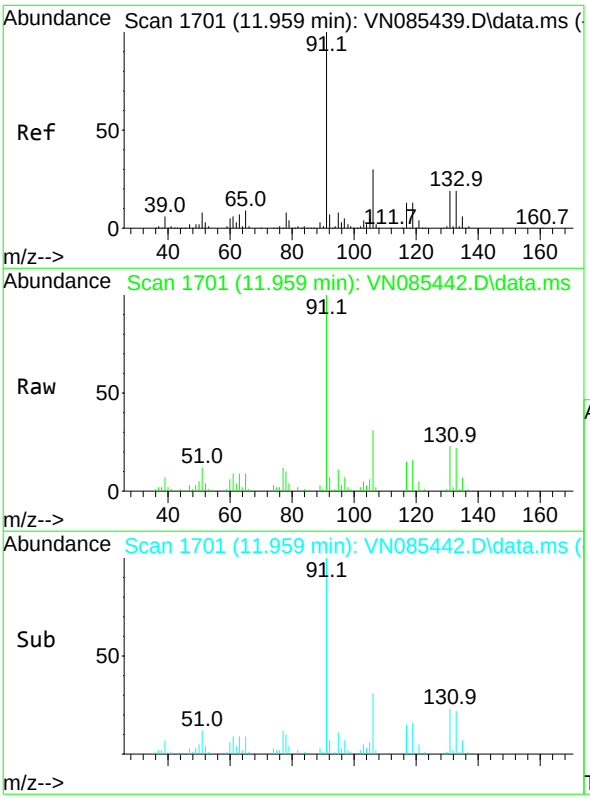
Ion	Ratio	Lower	Upper
112	100		
114	30.7	25.3	37.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
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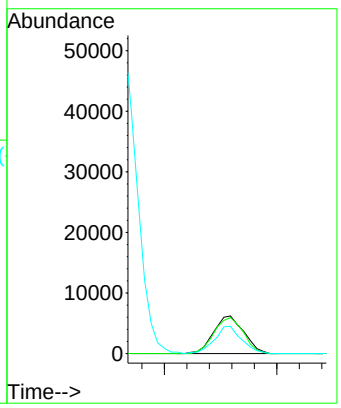
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

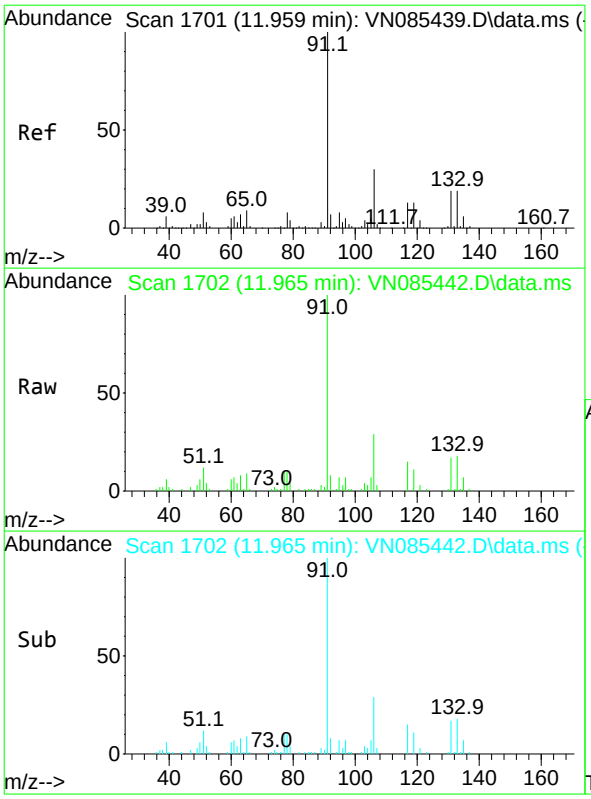


#66
1,1,1,2-Tetrachloroethane
Concen: 5.121 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion:131 Resp: 11620

Ion	Ratio	Lower	Upper
131	100		
133	92.7	47.4	142.3
119	65.0	33.1	99.5

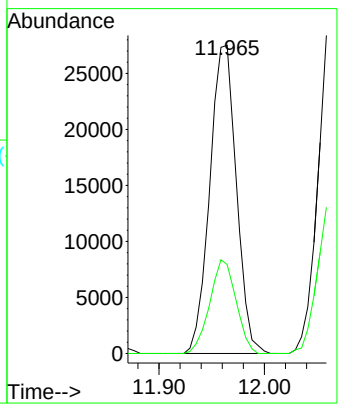




#67
Ethyl Benzene
Concen: 4.789 ug/l
RT: 11.965 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 91 Resp: 48216

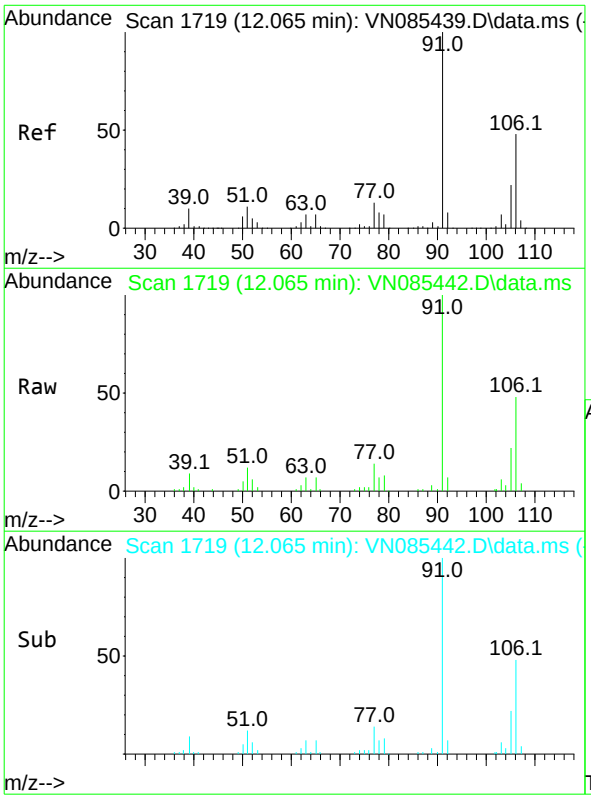
Ion	Ratio	Lower	Upper
91	100		
106	28.9	23.8	35.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
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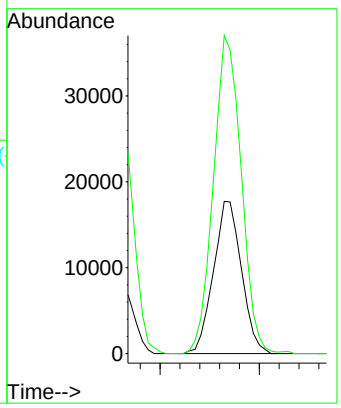
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

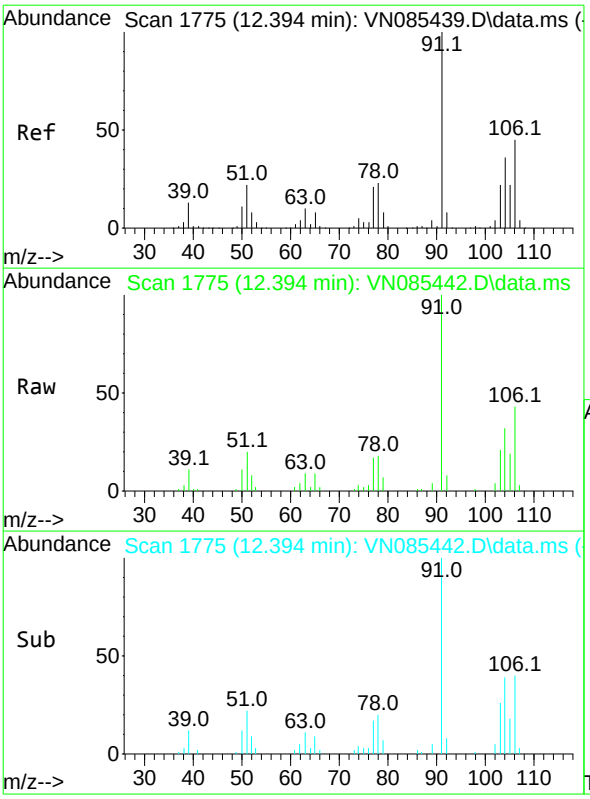


#68
m/p-Xylenes
Concen: 9.344 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion:106 Resp: 34771

Ion	Ratio	Lower	Upper
106	100		
91	207.9	167.7	251.5

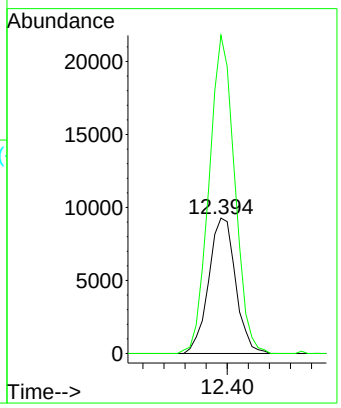




#69
o-Xylene
Concen: 4.617 ug/l
RT: 12.394 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion:106 Resp: 16419

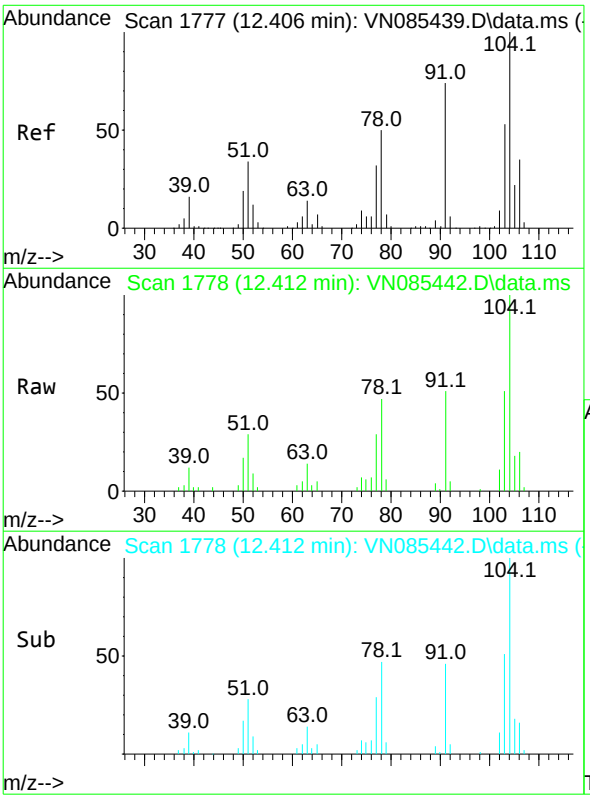
Ion	Ratio	Lower	Upper
106	100		
91	224.0	110.4	331.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
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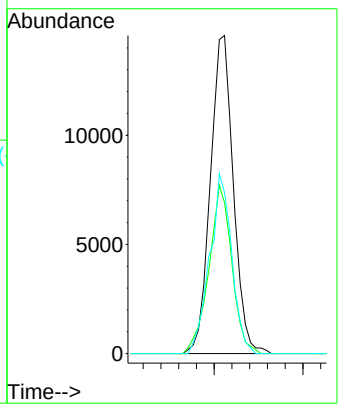
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

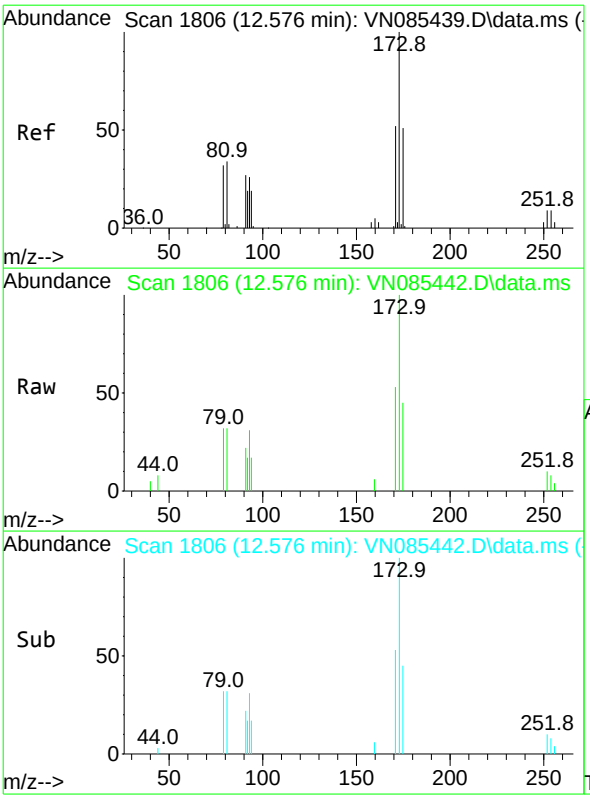


#70
Styrene
Concen: 4.454 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion:104 Resp: 26218

Ion	Ratio	Lower	Upper
104	100		
78	52.6	42.5	63.7
103	54.2	43.8	65.8

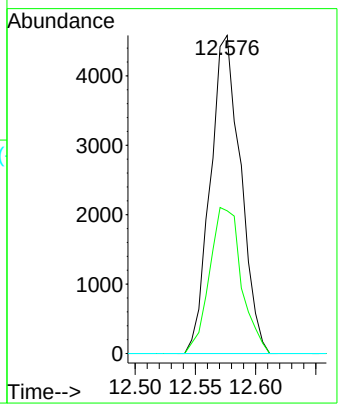




#71
Bromoform
Concen: 4.938 ug/l
RT: 12.576 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion:173 Resp: 8017

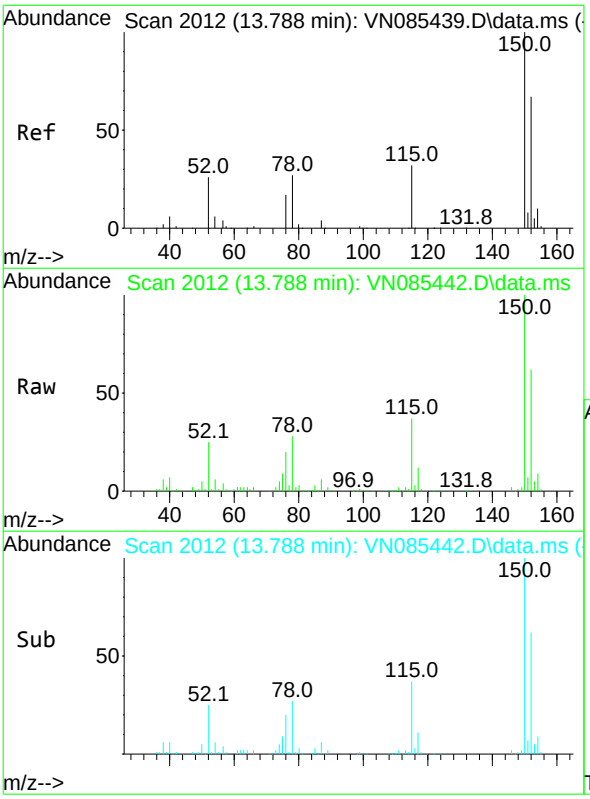
Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.4	73.2
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

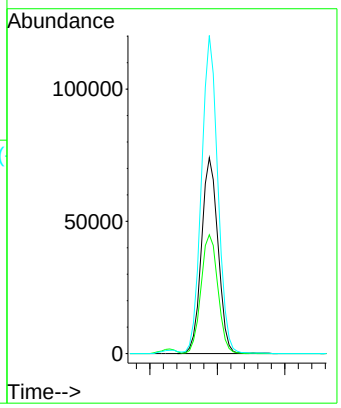
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

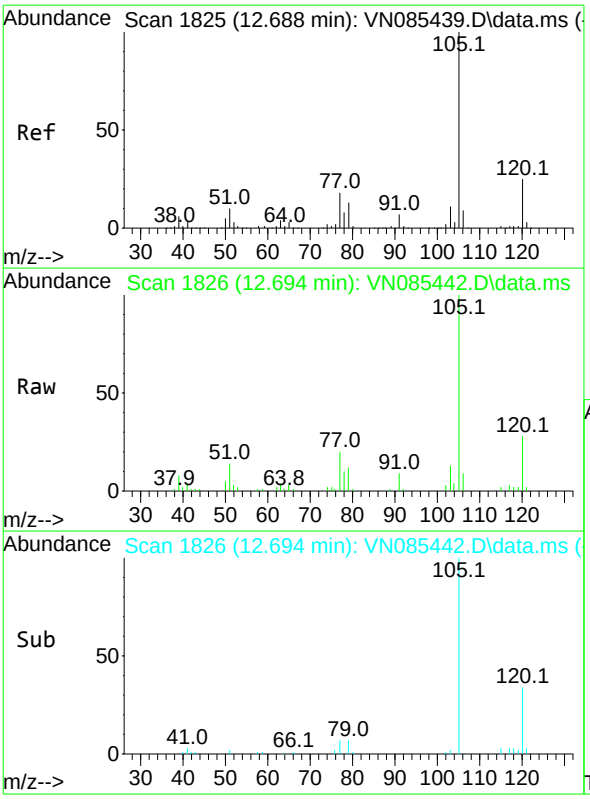


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion:152 Resp: 126086

Ion	Ratio	Lower	Upper
152	100		
115	62.0	31.1	93.3
150	160.7	0.0	343.6

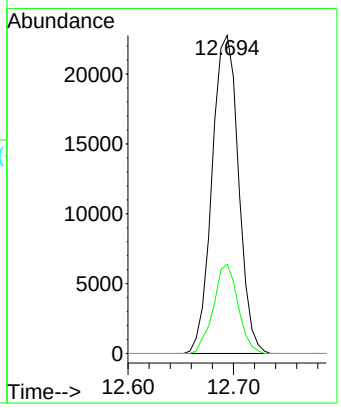




#73
Isopropylbenzene
Concen: 4.678 ug/l
RT: 12.694 min Scan# 18
Delta R.T. 0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion:105 Resp: 39811

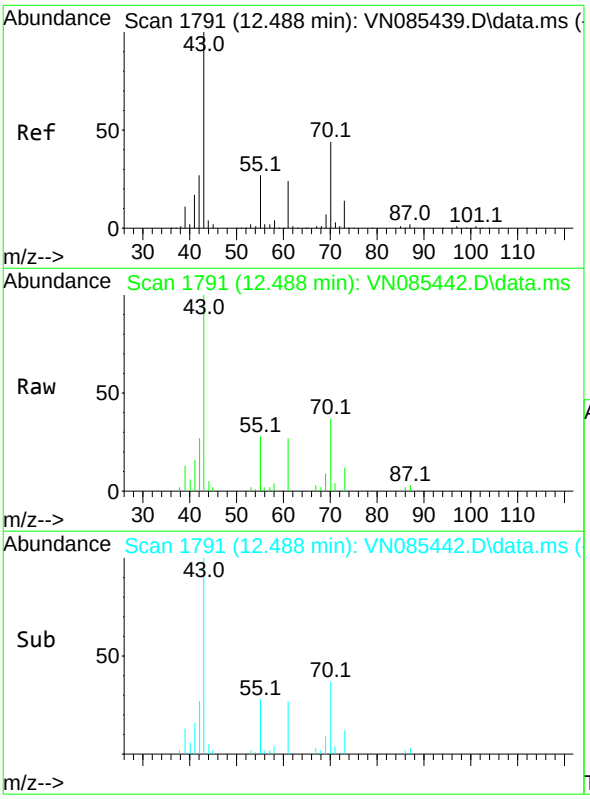
Ion	Ratio	Lower	Upper
105	100		
120	26.1	12.8	38.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

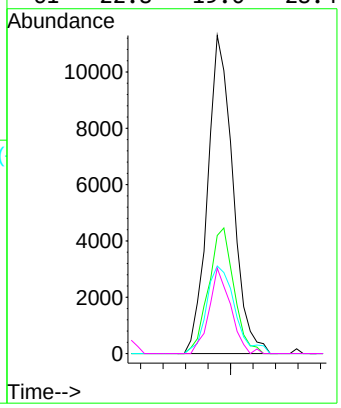
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

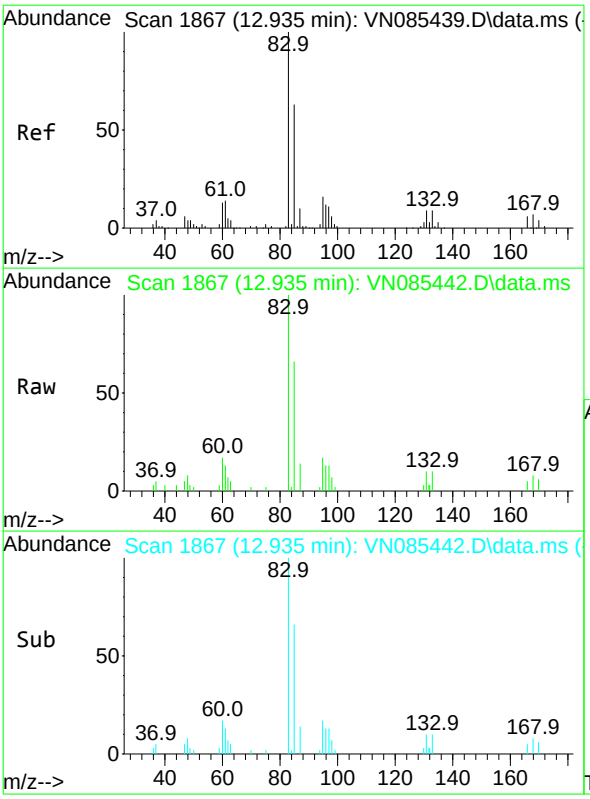


#74
N-amyl acetate
Concen: 4.595 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 43 Resp: 17577

Ion	Ratio	Lower	Upper
43	100		
70	39.5	34.0	51.0
55	30.8	21.4	32.2
61	22.8	19.0	28.4

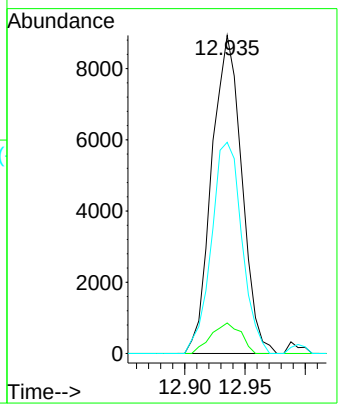




#75
1,1,2,2-Tetrachloroethane
Concen: 5.151 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 83 Resp: 15483

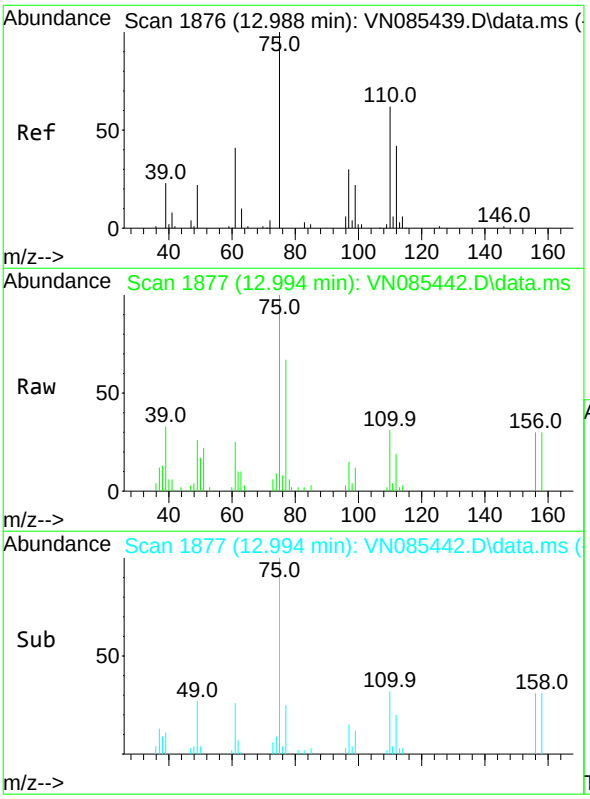
Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.8	14.4
85	67.5	32.2	96.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

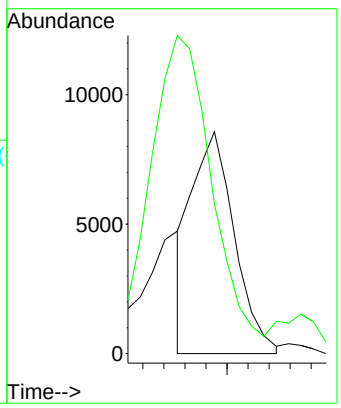
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

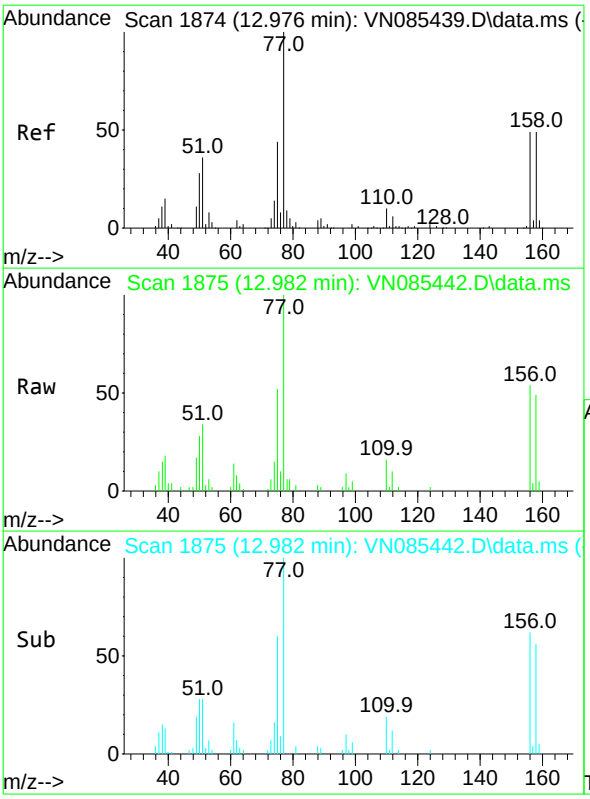


#76
1,2,3-Trichloropropane
Concen: 4.758 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 75 Resp: 12173

Ion	Ratio	Lower	Upper
75	100		
77	209.1	109.7	329.2

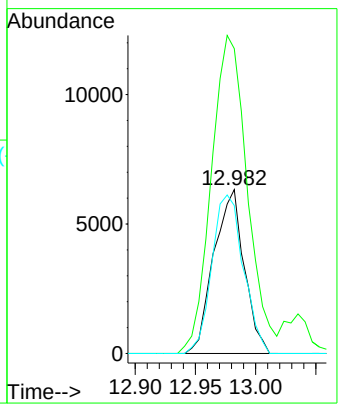




#77
Bromobenzene
Concen: 4.989 ug/l
RT: 12.982 min Scan# 18
Delta R.T. 0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion:156 Resp: 11091

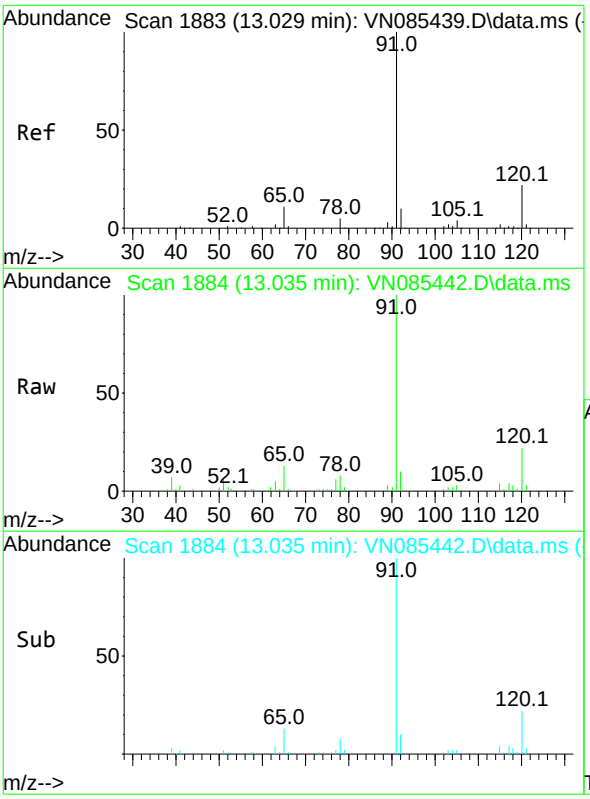
Ion	Ratio	Lower	Upper
156	100		
77	229.5	114.1	342.4
158	100.8	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

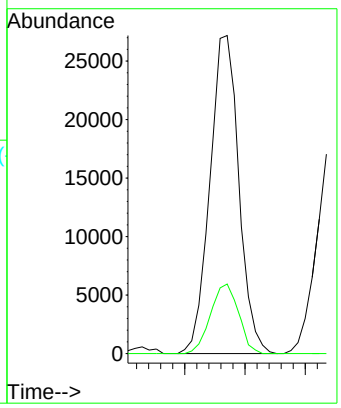
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

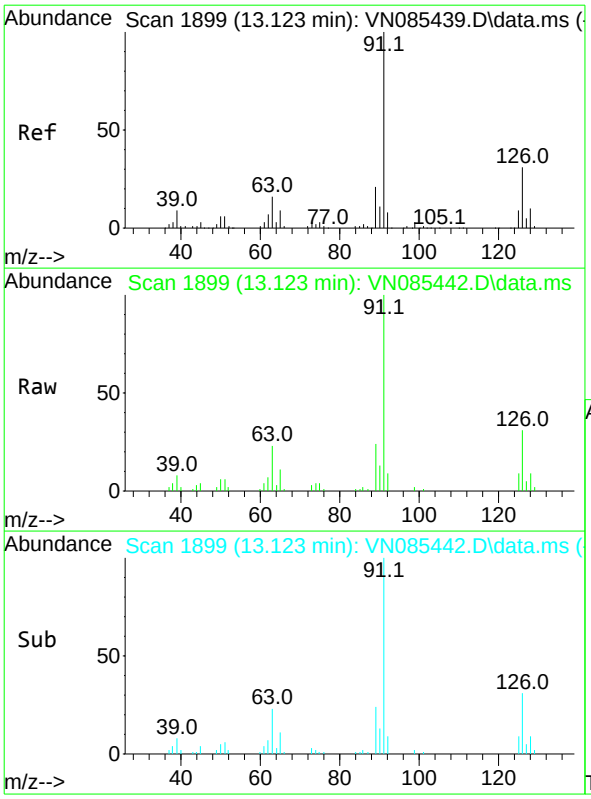


#78
n-propylbenzene
Concen: 4.512 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 91 Resp: 45450

Ion	Ratio	Lower	Upper
91	100		
120	21.1	10.9	32.6

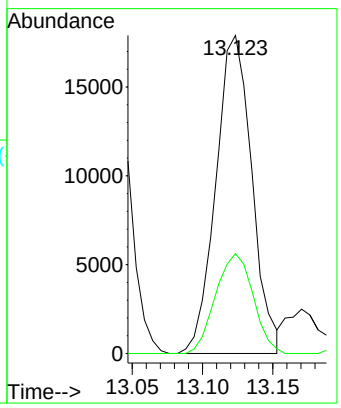




#79
2-Chlorotoluene
Concen: 4.898 ug/l
RT: 13.123 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 91 Resp: 31932

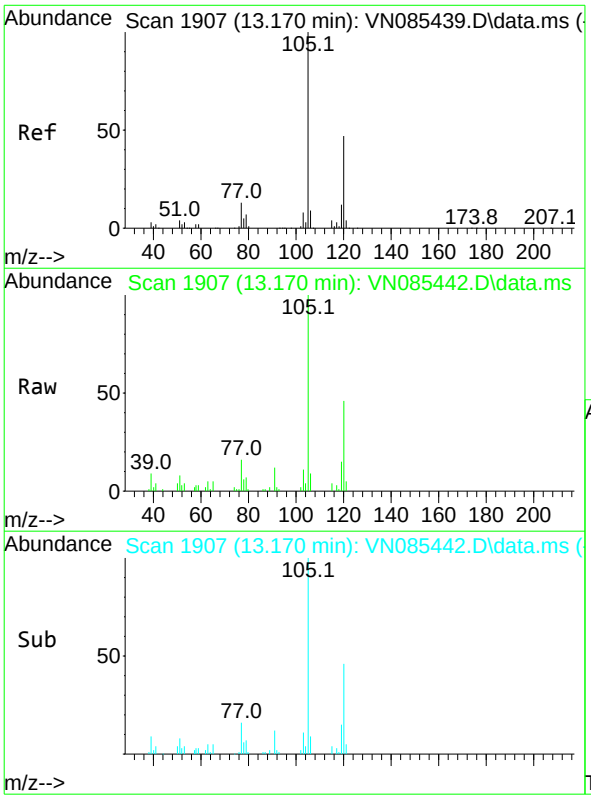
Ion	Ratio	Lower	Upper
91	100		
126	32.6	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

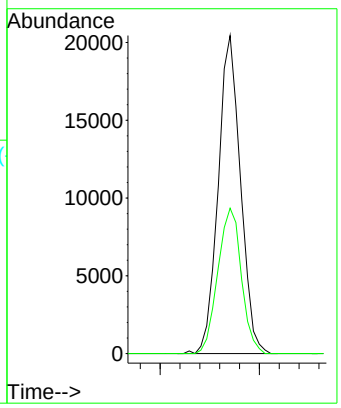
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

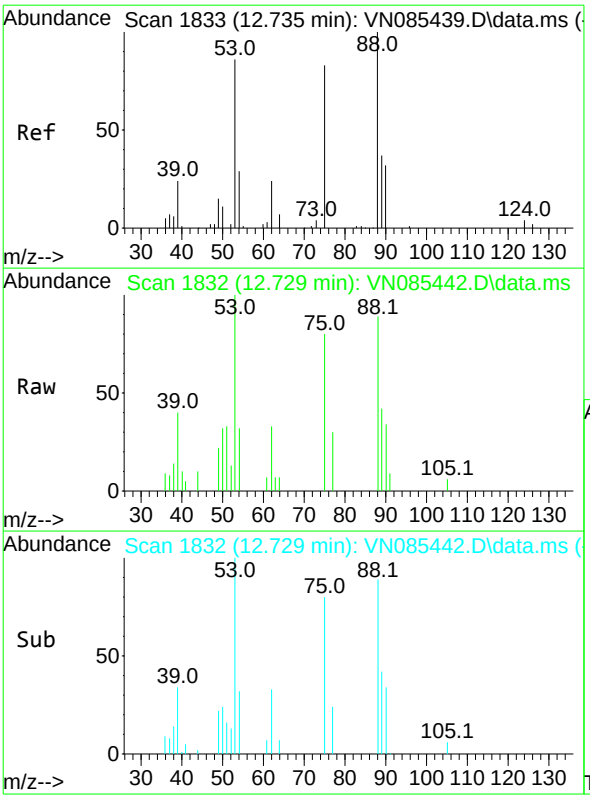


#80
1,3,5-Trimethylbenzene
Concen: 4.537 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion:105 Resp: 31891

Ion	Ratio	Lower	Upper
105	100		
120	48.1	23.9	71.7





#81
trans-1,4-Dichloro-2-butene
Concen: 4.465 ug/l
RT: 12.729 min Scan# 18
Delta R.T. -0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

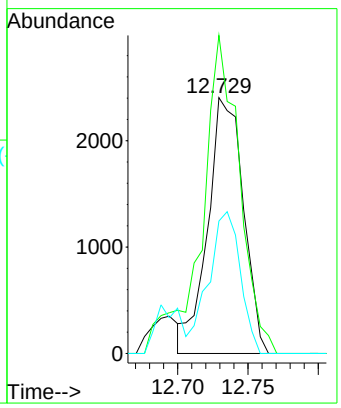
Tgt Ion: 75 Resp: 4229

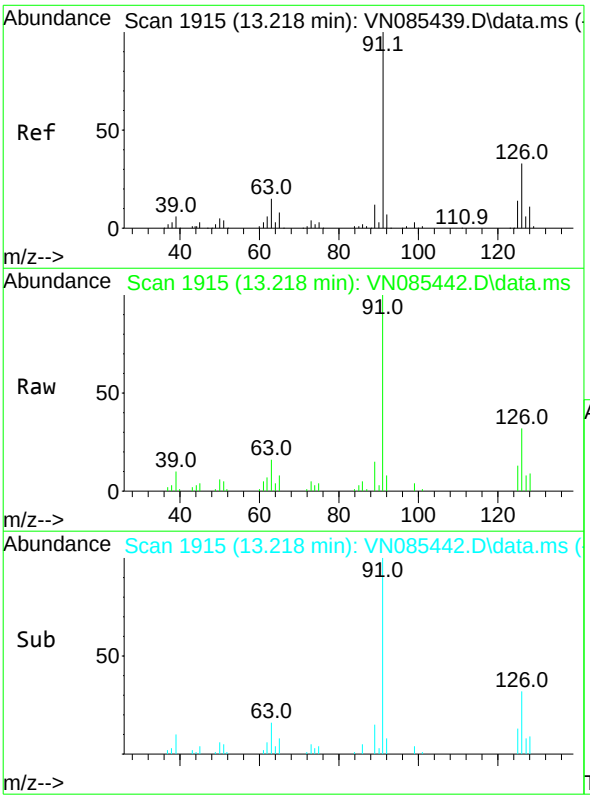
Ion	Ratio	Lower	Upper
75	100		
53	132.6	95.6	143.4
89	49.7	37.0	55.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

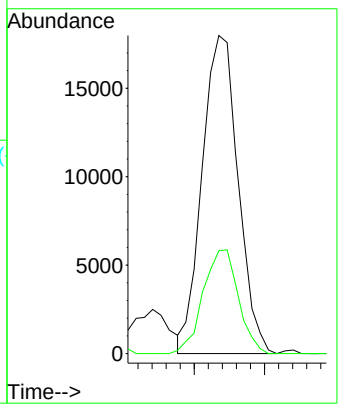


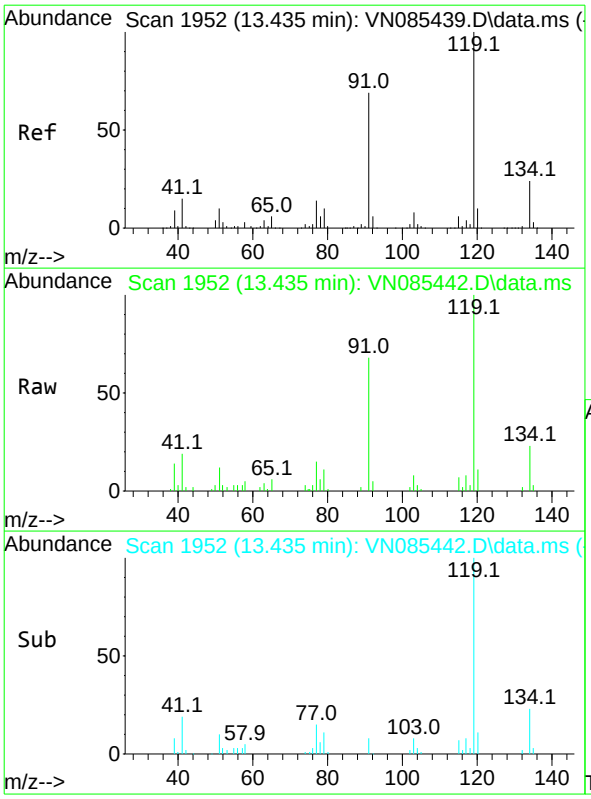


#82
4-Chlorotoluene
Concen: 4.926 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 91 Resp: 31976

Ion	Ratio	Lower	Upper
91	100		
126	31.9	15.9	47.7

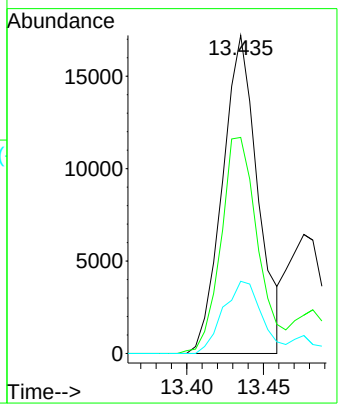




#83
tert-Butylbenzene
Concen: 4.675 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion:119 Resp: 27597

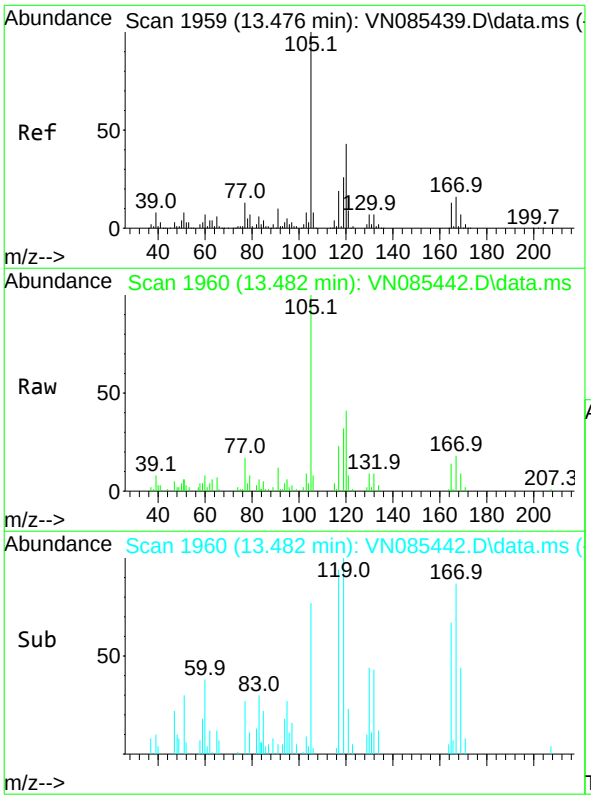
Ion	Ratio	Lower	Upper
119	100		
91	71.1	35.1	105.3
134	24.8	12.0	36.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

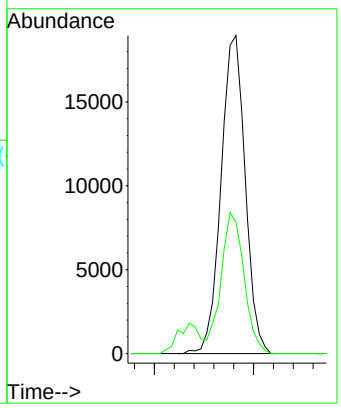
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

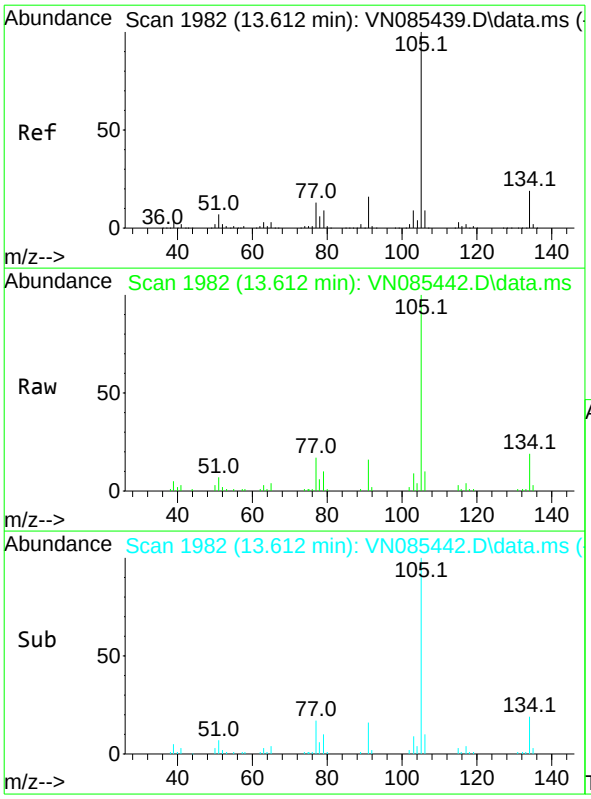


#84
1,2,4-Trimethylbenzene
Concen: 4.575 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion:105 Resp: 32054

Ion	Ratio	Lower	Upper
105	100		
120	42.0	21.6	65.0





#85
sec-Butylbenzene
Concen: 4.663 ug/l
RT: 13.612 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

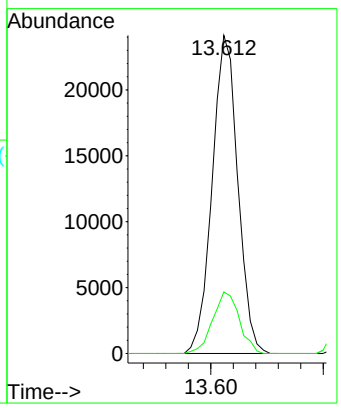
Tgt Ion:105 Resp: 38148

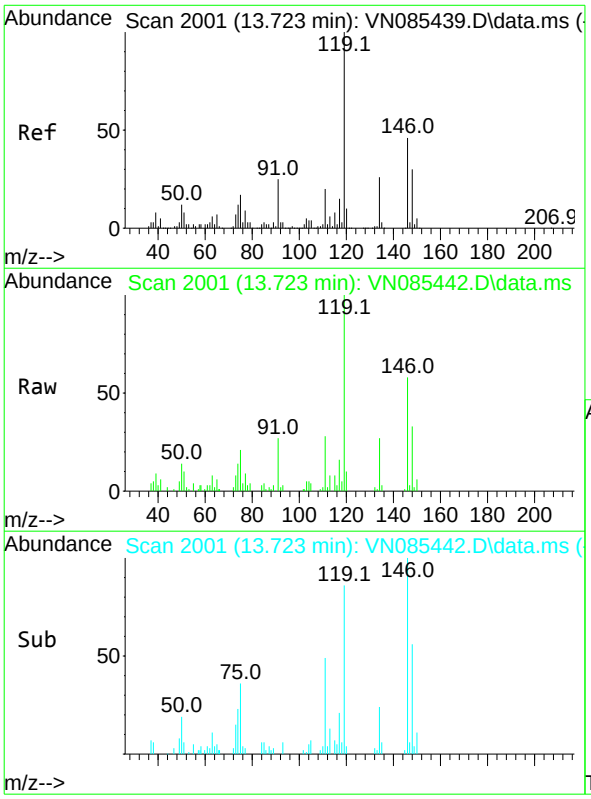
Ion	Ratio	Lower	Upper
105	100		
134	20.1	9.7	28.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

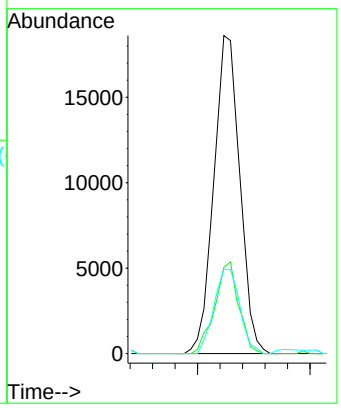


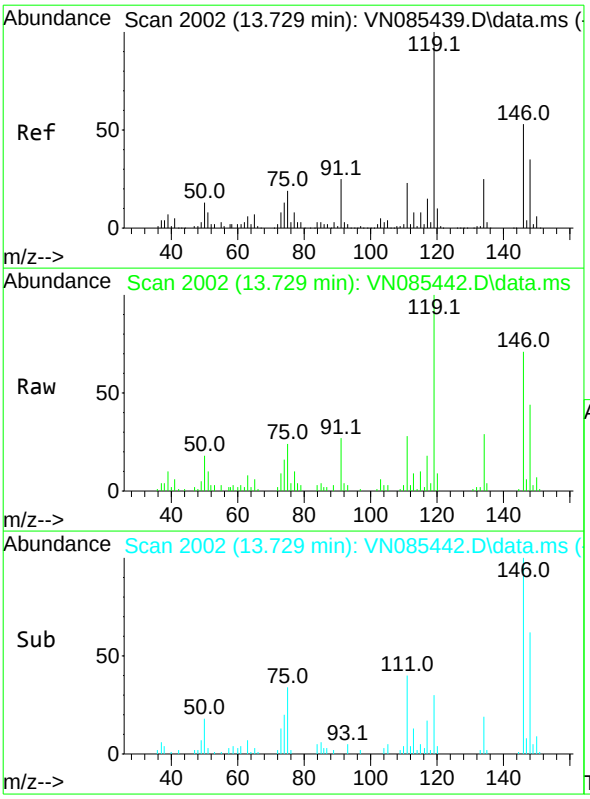


#86
p-Isopropyltoluene
Concen: 4.584 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion:119 Resp: 29856

Ion	Ratio	Lower	Upper
119	100		
134	26.5	12.7	38.0
91	26.5	12.7	38.1

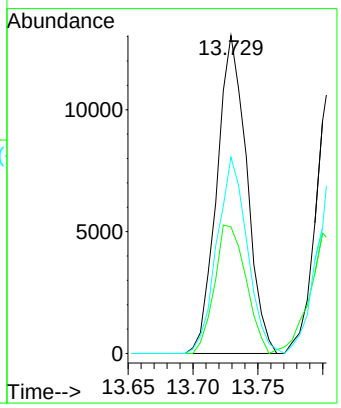




#87
1,3-Dichlorobenzene
Concen: 5.099 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion:146 Resp: 20876

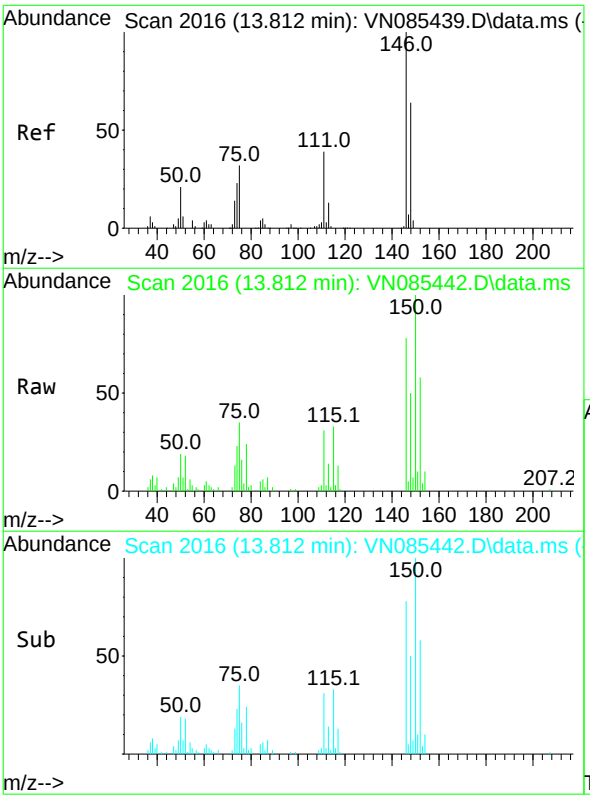
Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.4	64.3
148	62.7	32.3	96.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

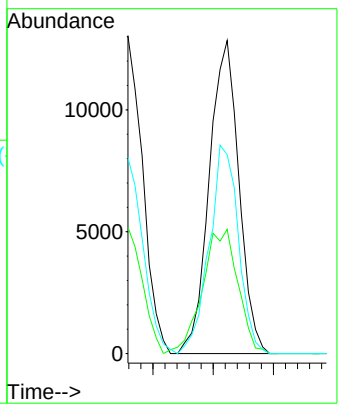
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

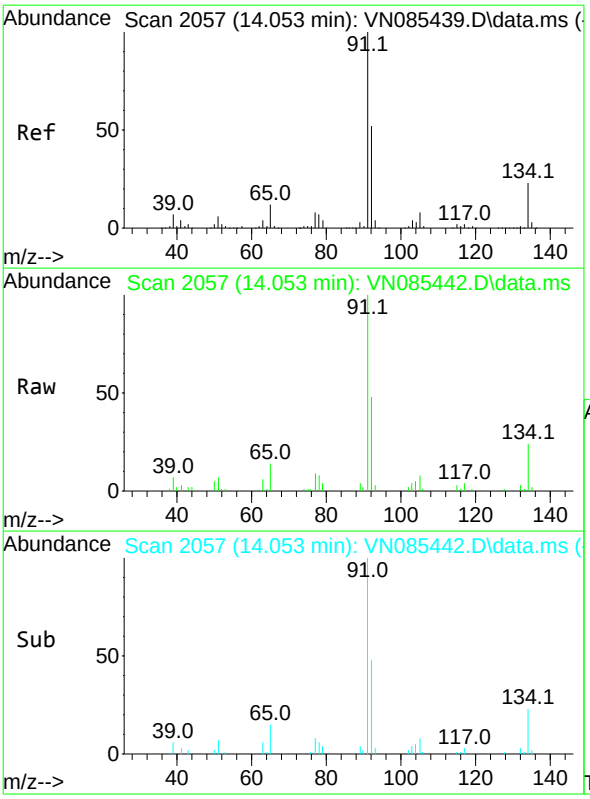


#88
1,4-Dichlorobenzene
Concen: 5.179 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion:146 Resp: 21982

Ion	Ratio	Lower	Upper
146	100		
111	47.1	21.3	63.7
148	65.5	32.4	97.0

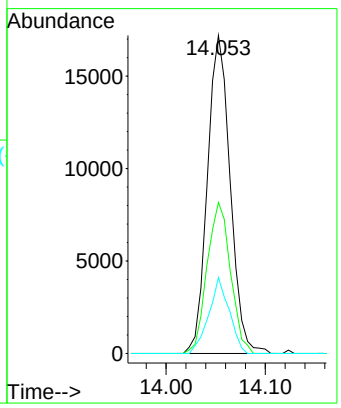




#89
n-Butylbenzene
Concen: 4.675 ug/l
RT: 14.053 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 91 Resp: 27437

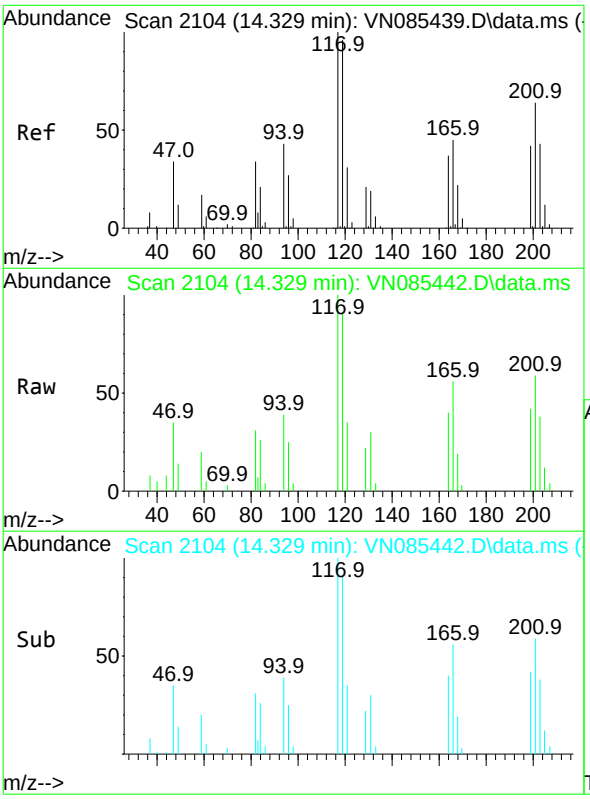
Ion	Ratio	Lower	Upper
91	100		
92	48.7	25.8	77.3
134	21.4	11.7	35.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

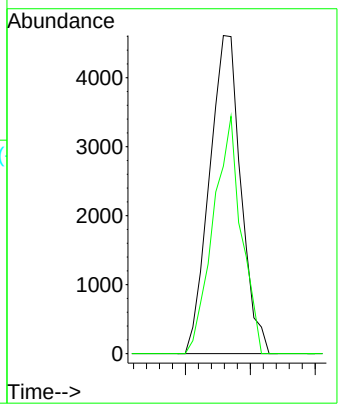
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

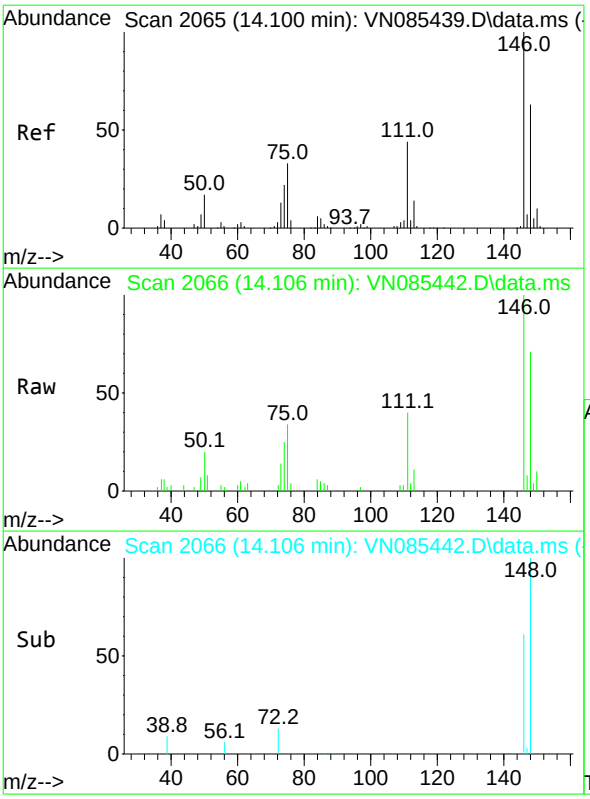


#90
Hexachloroethane
Concen: 4.987 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion:117 Resp: 7767

Ion	Ratio	Lower	Upper
117	100		
201	66.9	33.7	101.0

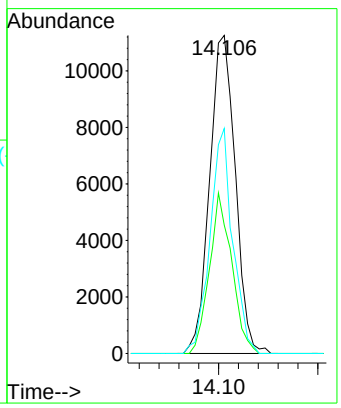




#91
1,2-Dichlorobenzene
Concen: 4.940 ug/l
RT: 14.106 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion:146 Resp: 20177

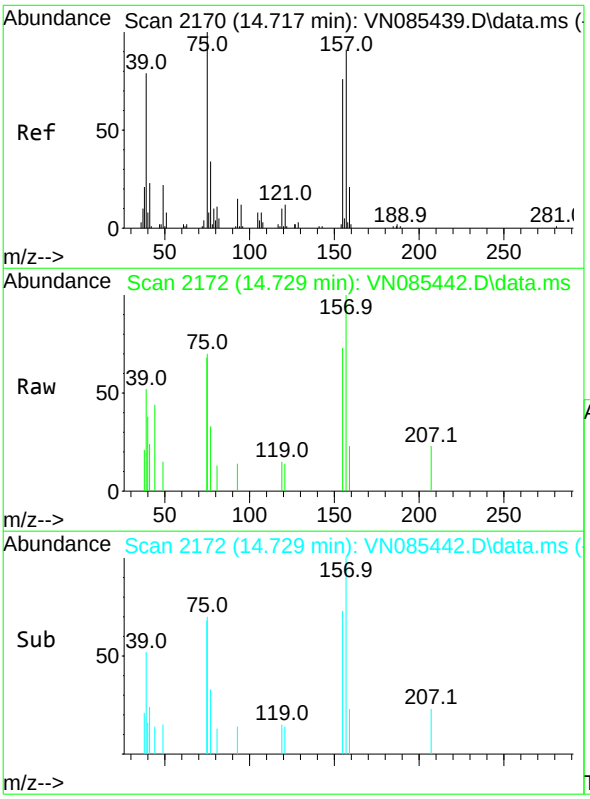
Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.7	65.1
148	62.8	31.4	94.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

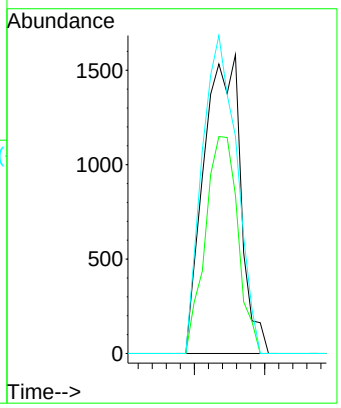
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

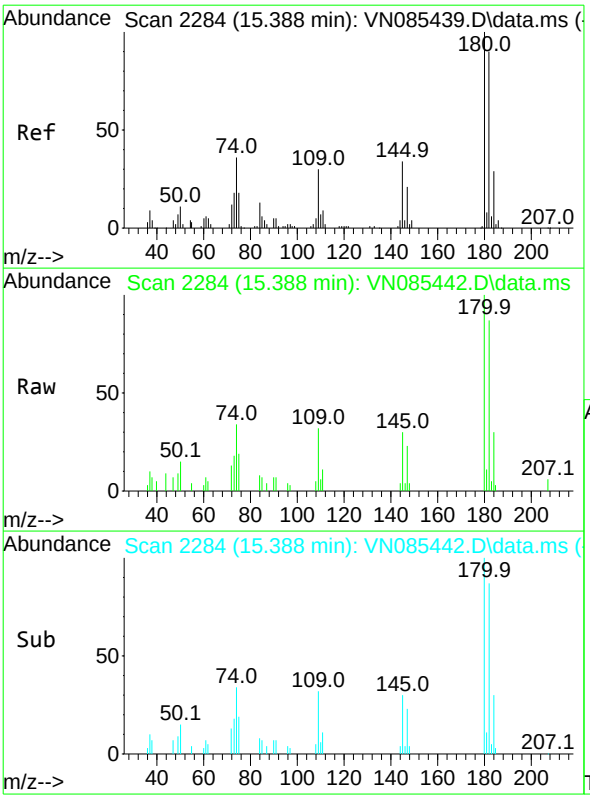


#92
1,2-Dibromo-3-Chloropropane
Concen: 5.232 ug/l
RT: 14.729 min Scan# 2172
Delta R.T. 0.012 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 75 Resp: 2872

Ion	Ratio	Lower	Upper
75	100		
155	64.2	36.4	109.2
157	99.8	45.4	136.1





#93
1,2,4-Trichlorobenzene
Concen: 4.761 ug/l
RT: 15.388 min Scan# 22
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

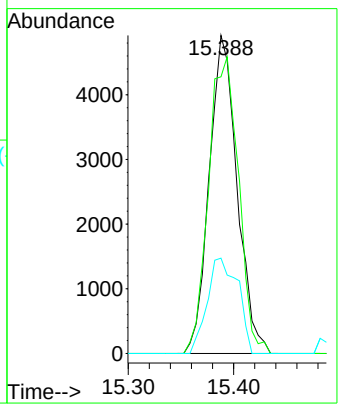
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

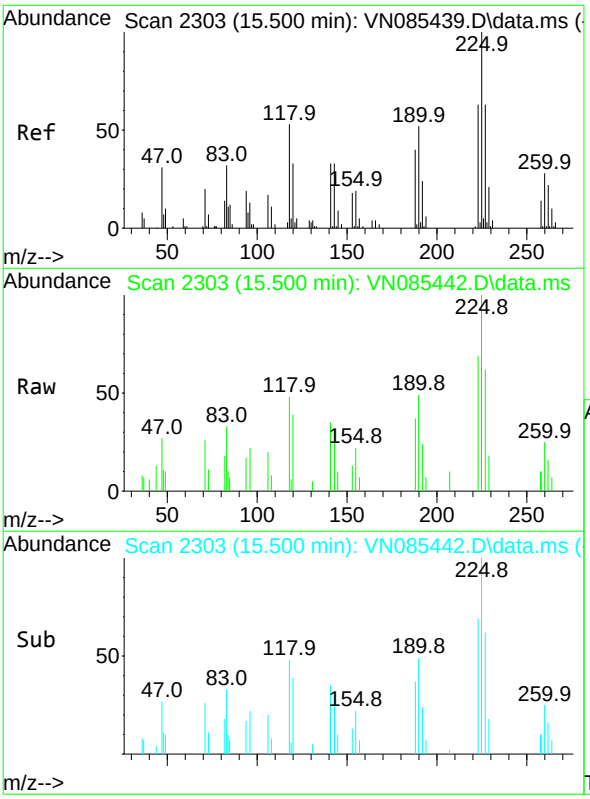
Tgt Ion:180 Resp: 9037

Ion	Ratio	Lower	Upper
180	100		
182	100.5	46.8	140.3
145	33.0	16.0	48.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

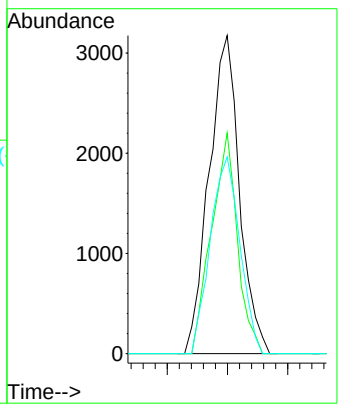


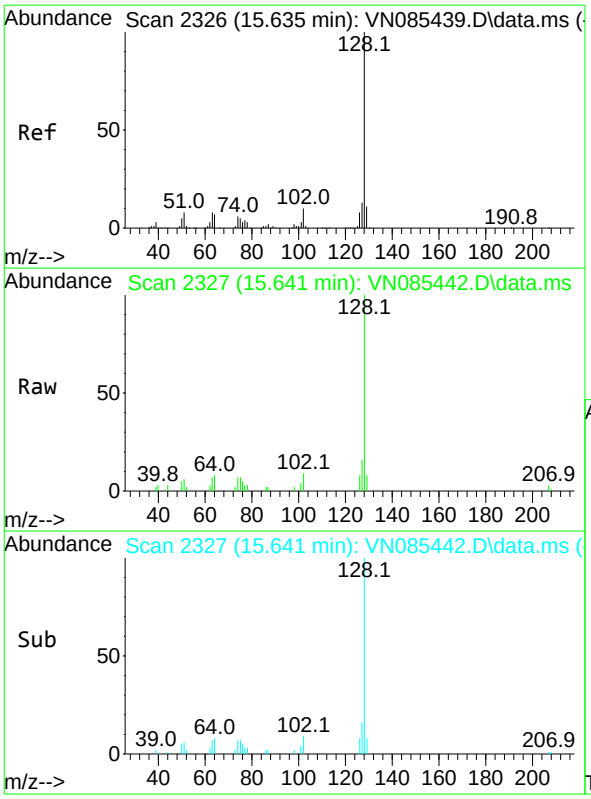


#94
Hexachlorobutadiene
Concen: 5.520 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion:225 Resp: 5563

Ion	Ratio	Lower	Upper
225	100		
223	59.2	30.7	92.1
227	60.1	30.9	92.5





#95
Naphthalene
Concen: 4.422 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

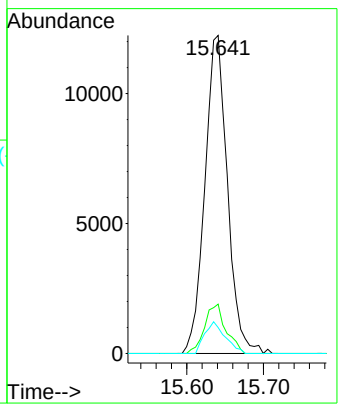
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

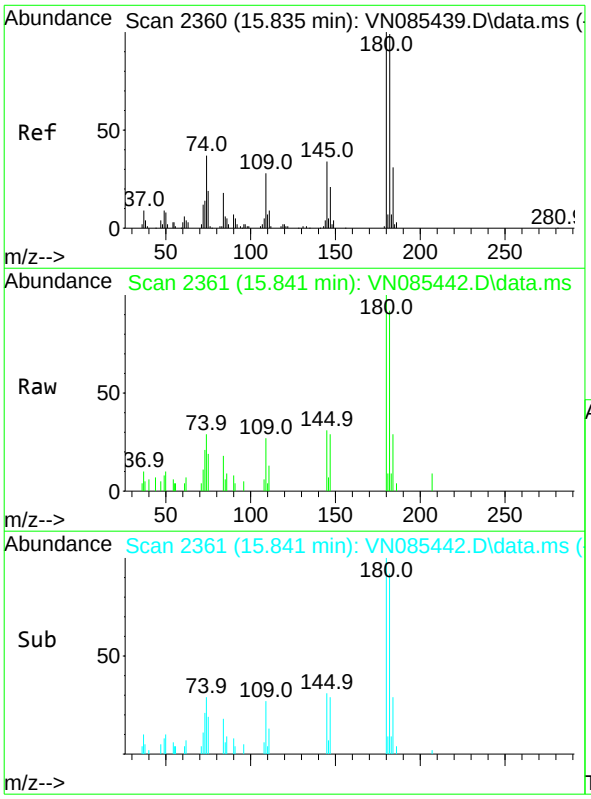
Tgt Ion:128 Resp: 25047

Ion	Ratio	Lower	Upper
128	100		
127	14.7	10.6	16.0
129	9.1	8.8	13.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

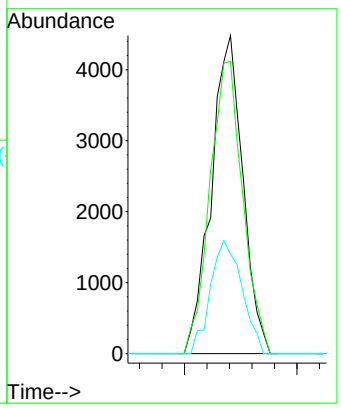




#96
1,2,3-Trichlorobenzene
Concen: 4.549 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion:180 Resp: 8737

Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.4	142.2
145	35.5	16.9	50.7



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085443.D
Acq On : 14 Jan 2025 17:19
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Quant Time: Jan 15 01:46:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.224	168	166880	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.100	114	302938	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	256851	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	99539	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	2.124	85	2382	1.054	ug/l		91
3) Chloromethane	2.359	50	2801	1.145	ug/l		93
4) Vinyl Chloride	2.512	62	2732	1.111	ug/l	#	81
6) Chloroethane	3.124	64	1809	1.160	ug/l		94
7) Trichlorofluoromethane	3.512	101	3860	1.082	ug/l		88
8) Diethyl Ether	3.953	74	1526	1.238	ug/l		81
9) 1,1,2-Trichlorotrifluo...	4.359	101	2156m	1.073	ug/l		
12) 1,1-Dichloroethene	4.330	96	1660	0.927	ug/l	#	67
14) Allyl chloride	5.024	41	3179	1.094	ug/l	#	85
15) Acrylonitrile	5.718	53	4967	5.070	ug/l	#	70
16) Acetone	4.436	43	5102	5.862	ug/l		92
17) Carbon Disulfide	4.706	76	6601	1.197	ug/l	#	87
18) Methyl Acetate	5.030	43	2908	1.099	ug/l	#	80
19) Methyl tert-butyl Ether	5.789	73	5156	0.887	ug/l	#	87
20) Methylene Chloride	5.265	84	2190	1.016	ug/l	#	87
21) trans-1,2-Dichloroethene	5.794	96	2110	1.102	ug/l	#	66
22) Diisopropyl ether	6.677	45	5691	0.882	ug/l	#	88
23) Vinyl Acetate	6.606	43	18526m	4.090	ug/l		
24) 1,1-Dichloroethane	6.583	63	4020m	1.022	ug/l		
25) 2-Butanone	7.483	43	6448m	5.034	ug/l		
26) 2,2-Dichloropropane	7.488	77	3104	0.976	ug/l		92
27) cis-1,2-Dichloroethene	7.477	96	2185	0.969	ug/l		92
28) Bromochloromethane	7.812	49	2082	1.138	ug/l	#	89
29) Tetrahydrofuran	7.835	42	3693	4.548	ug/l		98
30) Chloroform	7.965	83	4250	1.045	ug/l	#	80
32) 1,1,1-Trichloroethane	8.165	97	3678	1.031	ug/l	#	56
36) 1,1-Dichloropropene	8.371	75	3084	1.046	ug/l	#	84
37) Ethyl Acetate	7.577	43	3056m	1.026	ug/l		
38) Carbon Tetrachloride	8.359	117	3436	1.018	ug/l		90
39) Methylcyclohexane	9.600	83	2403	0.867	ug/l	#	87
40) Benzene	8.606	78	8480	0.957	ug/l		91
41) Methacrylonitrile	7.771	41	1458	0.941	ug/l	#	76
42) 1,2-Dichloroethane	8.665	62	3131	0.938	ug/l		91
43) Isopropyl Acetate	8.682	43	4803	1.007	ug/l	#	87
44) Trichloroethene	9.347	130	2133	1.034	ug/l		71
45) 1,2-Dichloropropane	9.618	63	2246	0.992	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085443.D
Acq On : 14 Jan 2025 17:19
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 15 01:46:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
46) Dibromomethane	9.706	93	1769	1.083 ug/l		92
47) Bromodichloromethane	9.882	83	2935	0.882 ug/l		90
48) Methyl methacrylate	9.677	41	1886	0.878 ug/l		96
49) 1,4-Dioxane	9.688	88	673	18.616 ug/l	#	47
51) 4-Methyl-2-Pentanone	10.441	43	11523	4.163 ug/l		93
52) Toluene	10.618	92	4180	0.814 ug/l		93
53) t-1,3-Dichloropropene	10.835	75	2522	0.802 ug/l		92
54) cis-1,3-Dichloropropene	10.312	75	2725	0.811 ug/l	#	83
55) 1,1,2-Trichloroethane	11.018	97	1901	0.935 ug/l		91
56) Ethyl methacrylate	10.871	69	1923	2.471 ug/l	#	88
57) 1,3-Dichloropropane	11.165	76	3113	0.881 ug/l		95
58) 2-Chloroethyl Vinyl ether	10.153	63	4929	3.822 ug/l		91
59) 2-Hexanone	11.194	43	7905	4.058 ug/l		87
60) Dibromochloromethane	11.359	129	2339	0.953 ug/l		98
61) 1,2-Dibromoethane	11.465	107	2022	1.000 ug/l		90
64) Tetrachloroethene	11.106	164	1658	0.947 ug/l	#	83
65) Chlorobenzene	11.888	112	5401	0.960 ug/l		93
66) 1,1,1,2-Tetrachloroethane	11.959	131	2185	1.058 ug/l	#	64
67) Ethyl Benzene	11.959	91	7347	0.802 ug/l		94
68) m/p-Xylenes	12.070	106	5059	1.494 ug/l		100
69) o-Xylene	12.394	106	2478	0.766 ug/l		97
70) Styrene	12.406	104	3812	0.712 ug/l		99
71) Bromoform	12.582	173	1208	0.818 ug/l	#	88
73) Isopropylbenzene	12.688	105	5506	0.820 ug/l		98
74) N-amyl acetate	12.494	43	2716	0.899 ug/l	#	87
75) 1,1,2,2-Tetrachloroethane	12.935	83	2616	1.102 ug/l	#	96
76) 1,2,3-Trichloropropane	12.982	75	2198m	1.088 ug/l		
77) Bromobenzene	12.976	156	1733	0.987 ug/l		97
78) n-propylbenzene	13.029	91	6424	0.808 ug/l		93
79) 2-Chlorotoluene	13.117	91	4483	0.871 ug/l		97
80) 1,3,5-Trimethylbenzene	13.165	105	4301	0.775 ug/l		90
82) 4-Chlorotoluene	13.223	91	4268	0.833 ug/l		99
83) tert-Butylbenzene	13.435	119	3753	0.805 ug/l		96
84) 1,2,4-Trimethylbenzene	13.482	105	3758	0.679 ug/l		93
85) sec-Butylbenzene	13.612	105	4614	0.714 ug/l		99
86) p-Isopropyltoluene	13.723	119	3538	0.716 ug/l		98
87) 1,3-Dichlorobenzene	13.723	146	3038	0.940 ug/l		95
88) 1,4-Dichlorobenzene	13.806	146	3517m	1.050 ug/l		
89) n-Butylbenzene	14.053	91	3527	0.761 ug/l		93
90) Hexachloroethane	14.341	117	1355	1.102 ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	3515	1.090 ug/l		96
92) 1,2-Dibromo-3-Chloropr...	14.711	75	402	0.928 ug/l		74
93) 1,2,4-Trichlorobenzene	15.394	180	1310	0.874 ug/l	#	80
94) Hexachlorobutadiene	15.500	225	822	1.033 ug/l		89
95) Naphthalene	15.641	128	4210	0.941 ug/l	#	90
96) 1,2,3-Trichlorobenzene	15.835	180	1494	0.985 ug/l	#	86

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

ICAL Form

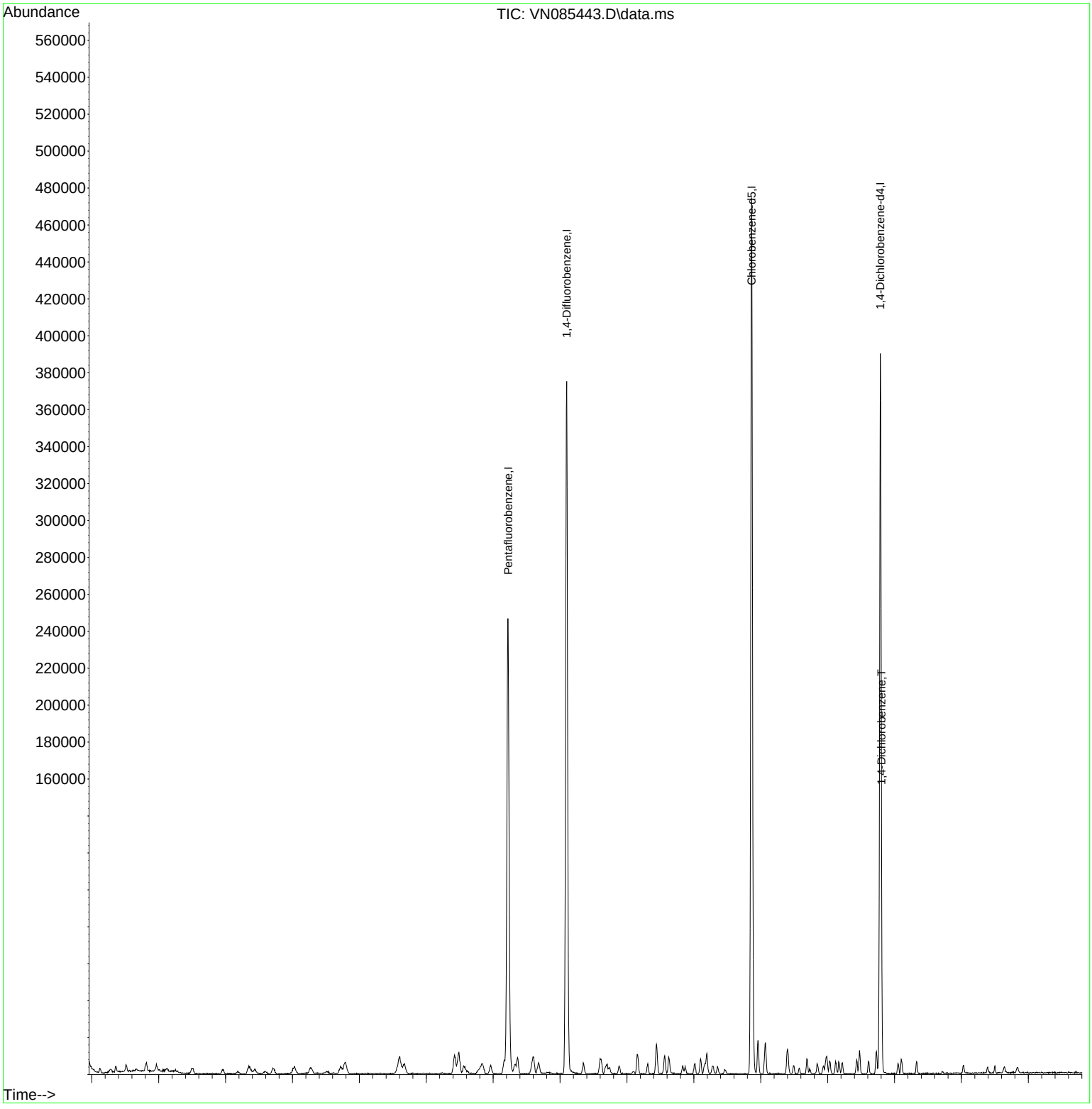
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Data File : VN085443.D
Acq On : 14 Jan 2025 17:19
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

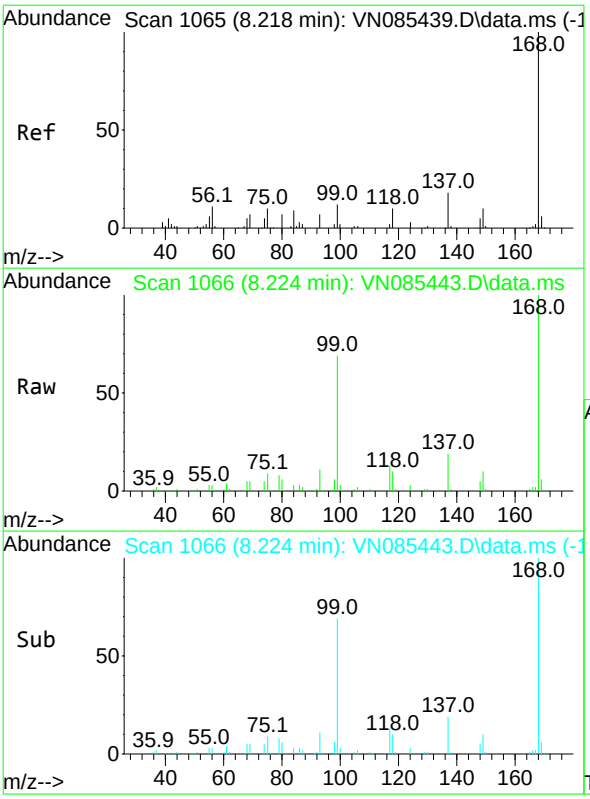
Quant Time: Jan 15 01:46:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

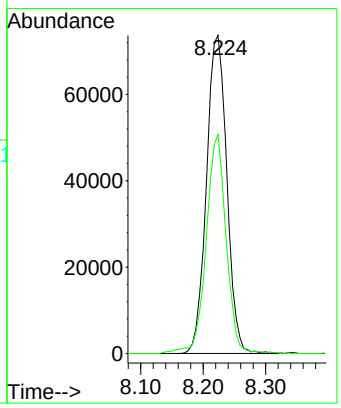




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion:168 Resp: 166880

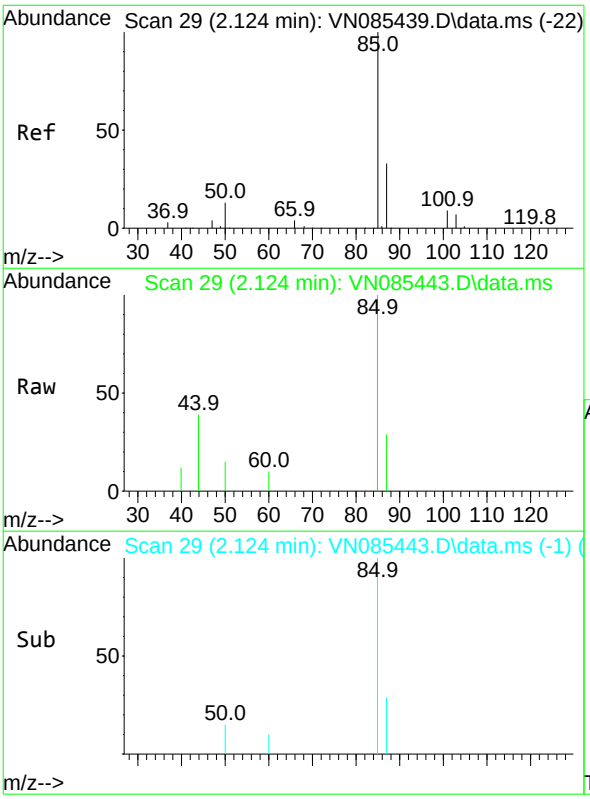
Ion	Ratio	Lower	Upper
168	100		
99	68.6	53.6	80.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

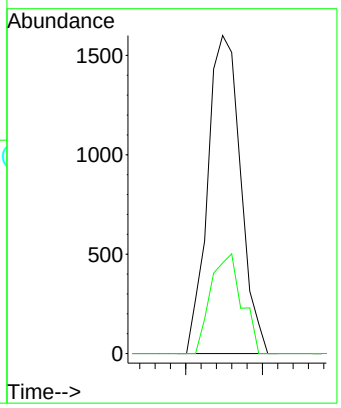
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

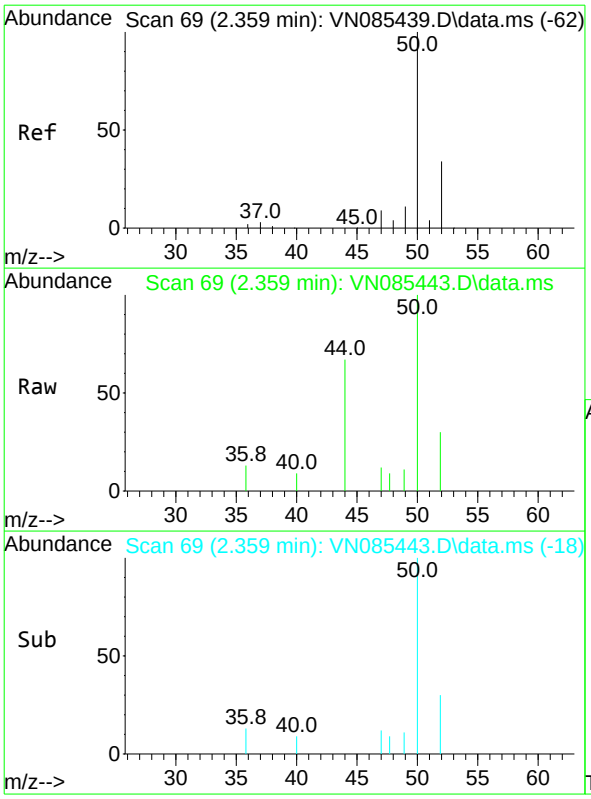


#2
Dichlorodifluoromethane
Concen: 1.054 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 85 Resp: 2382

Ion	Ratio	Lower	Upper
85	100		
87	28.5	16.7	50.1

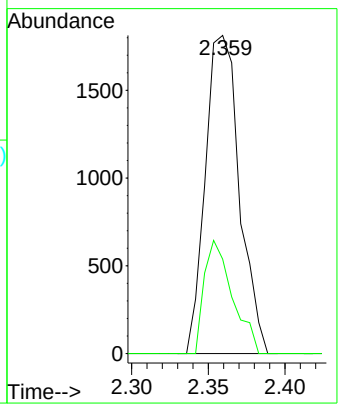




#3
Chloromethane
Concen: 1.145 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 50 Resp: 2801

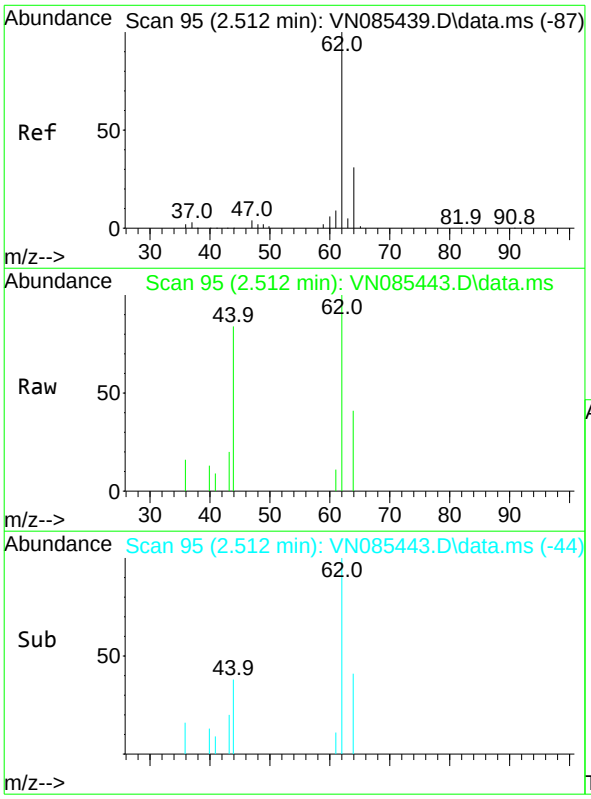
Ion	Ratio	Lower	Upper
50	100		
52	29.7	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

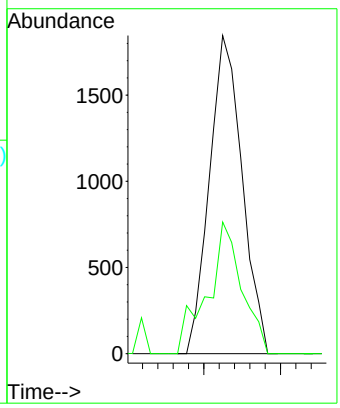
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

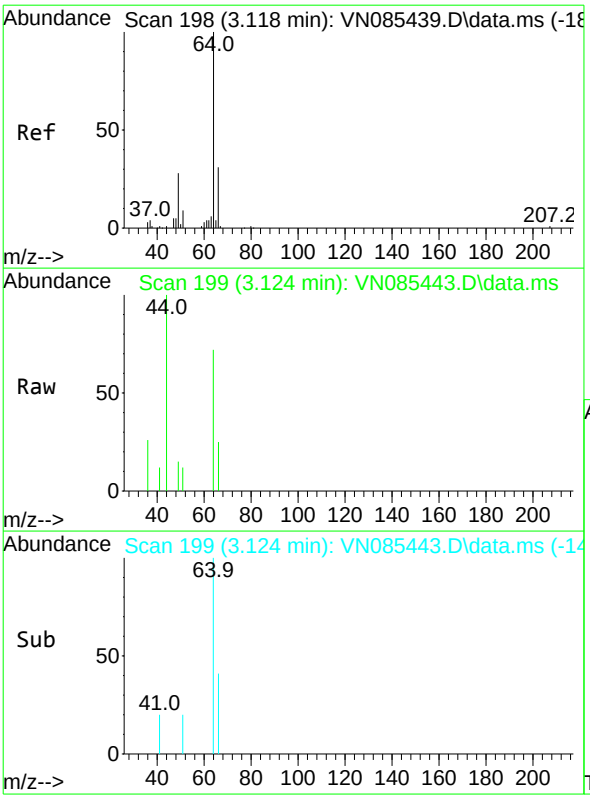


#4
Vinyl Chloride
Concen: 1.111 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 62 Resp: 2732

Ion	Ratio	Lower	Upper
62	100		
64	41.4	24.8	37.2#

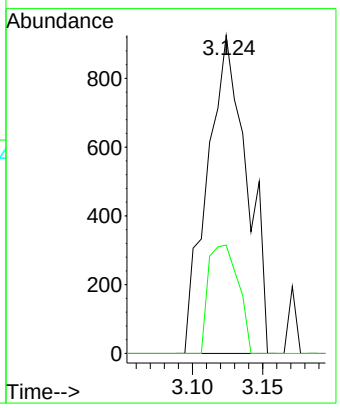




#6
Chloroethane
Concen: 1.160 ug/l
RT: 3.124 min Scan# 19
Delta R.T. 0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 64 Resp: 1809

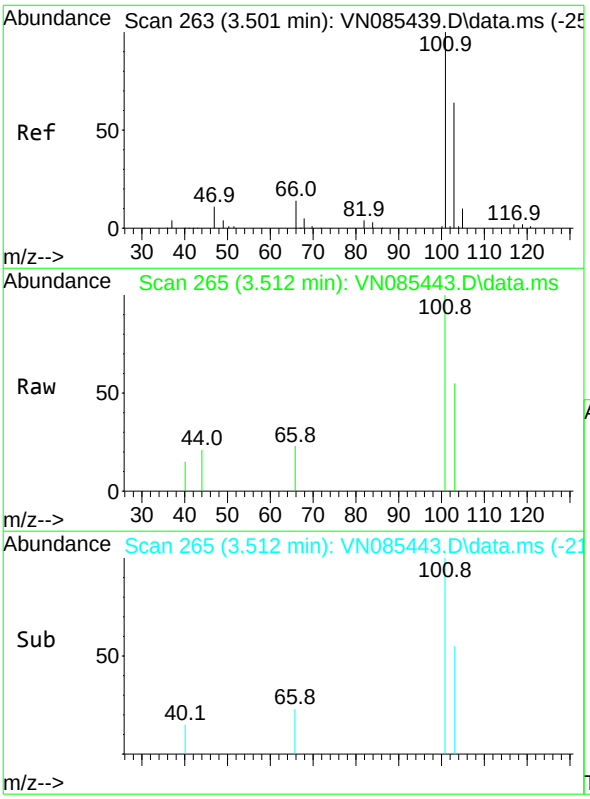
Ion	Ratio	Lower	Upper
64	100		
66	34.1	24.6	36.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

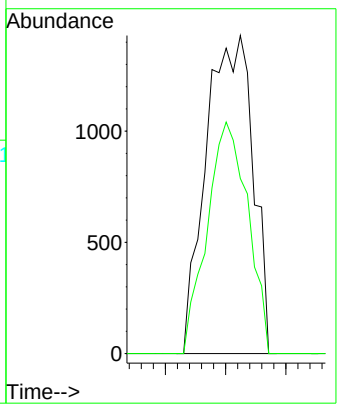
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

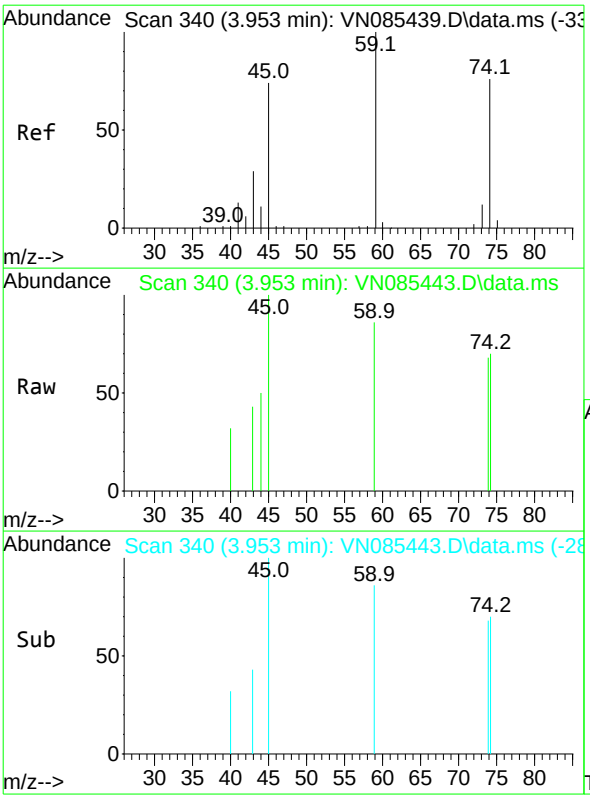


#7
Trichlorofluoromethane
Concen: 1.082 ug/l
RT: 3.512 min Scan# 265
Delta R.T. 0.012 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion:101 Resp: 3860

Ion	Ratio	Lower	Upper
101	100		
103	55.0	51.4	77.2





#8
Diethyl Ether
Concen: 1.238 ug/l
RT: 3.953 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

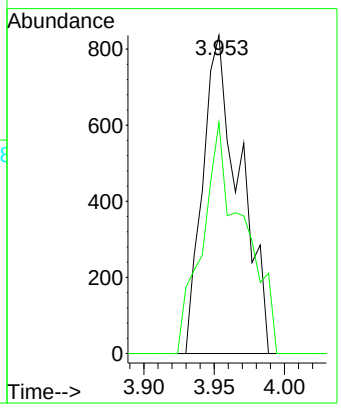
Tgt Ion: 74 Resp: 1526

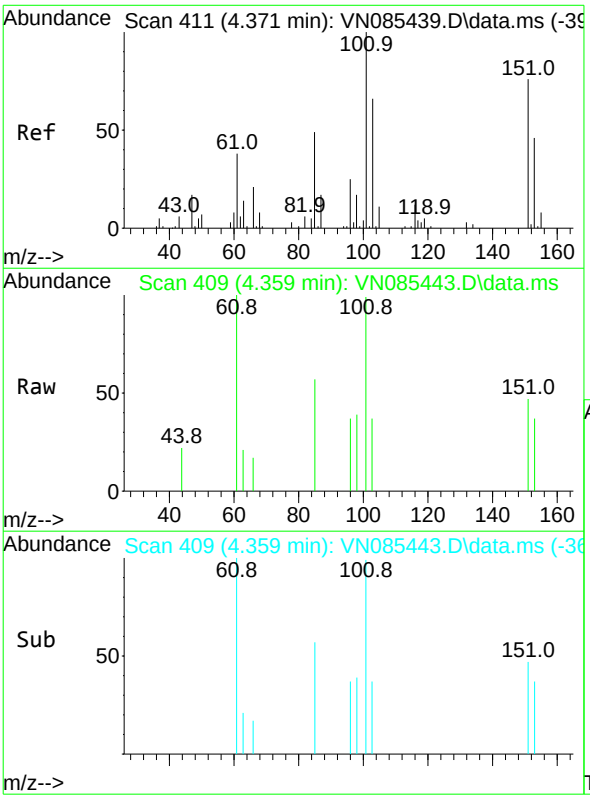
Ion	Ratio	Lower	Upper
74	100		
45	80.9	49.7	149.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

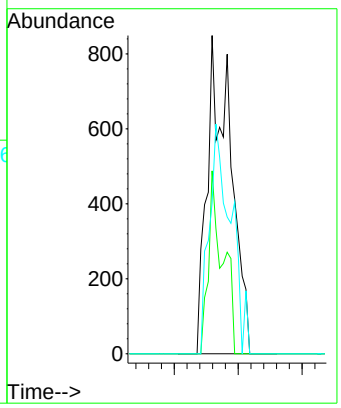


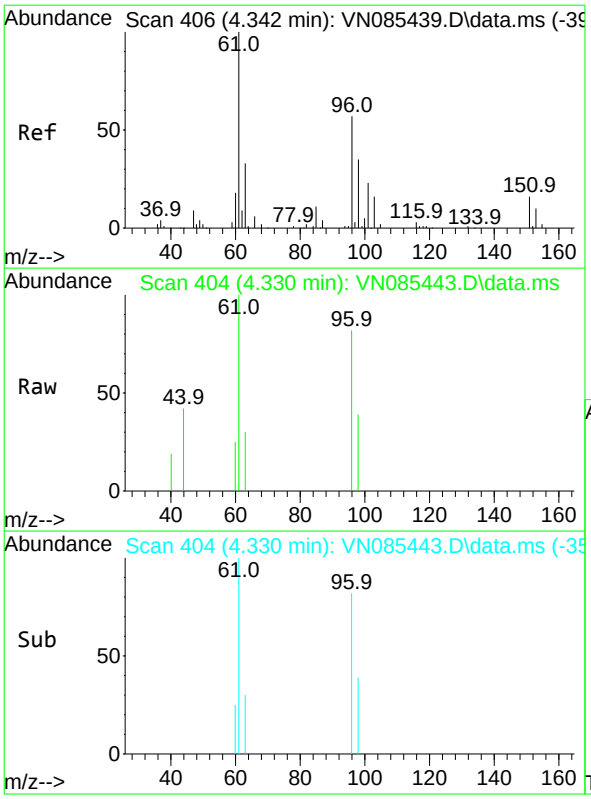


#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.073 ug/l m
RT: 4.359 min Scan# 409
Delta R.T. -0.012 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion:101 Resp: 2156

Ion	Ratio	Lower	Upper
101	100		
85	35.3	37.8	56.8#
151	66.4	58.8	88.2

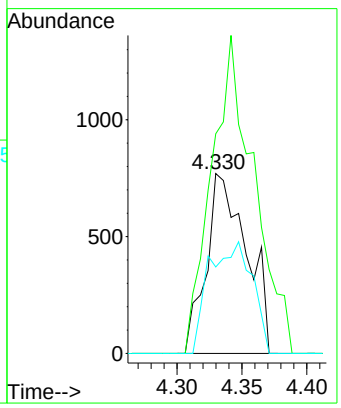




#12
1,1-Dichloroethene
Concen: 0.927 ug/l
RT: 4.330 min Scan# 40
Delta R.T. -0.012 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 96 Resp: 1660

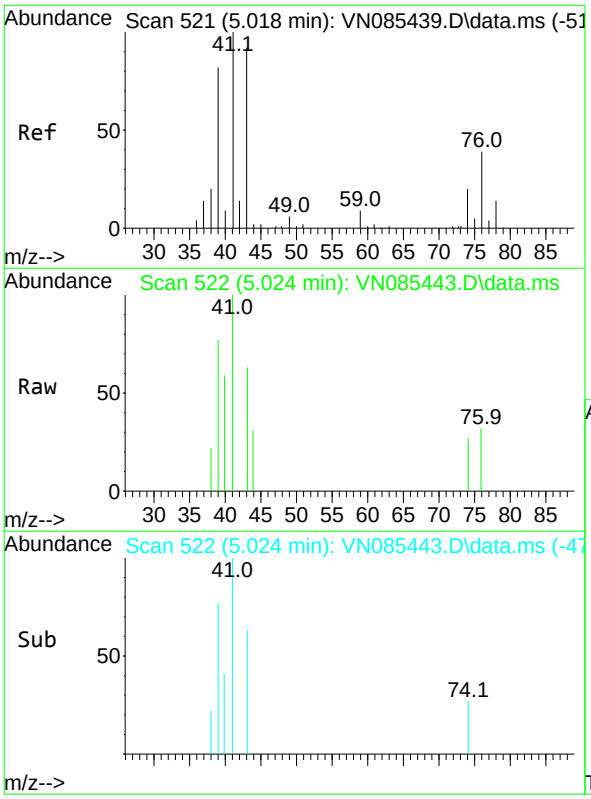
Ion	Ratio	Lower	Upper
96	100		
61	122.1	141.0	211.4#
98	48.1	49.0	73.6#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

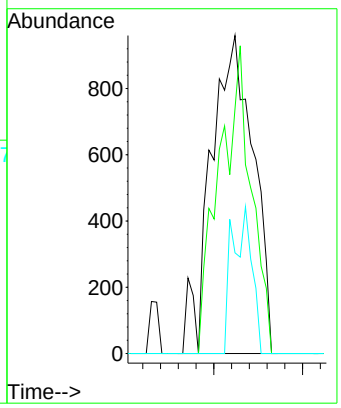
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

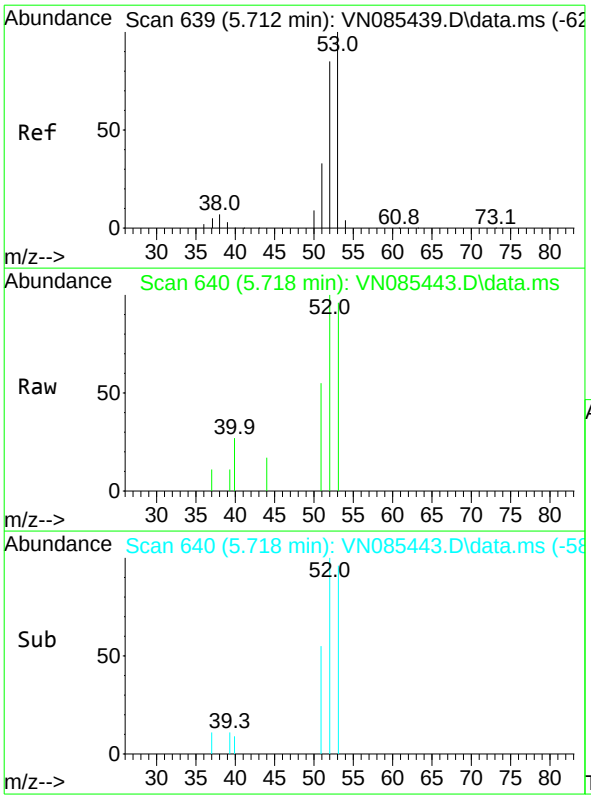


#14
Allyl chloride
Concen: 1.094 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 41 Resp: 3179

Ion	Ratio	Lower	Upper
41	100		
39	73.1	64.4	96.6
76	21.4	30.5	45.7#

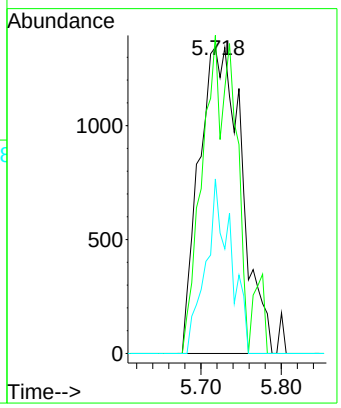




#15
Acrylonitrile
Concen: 5.070 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 53 Resp: 4967

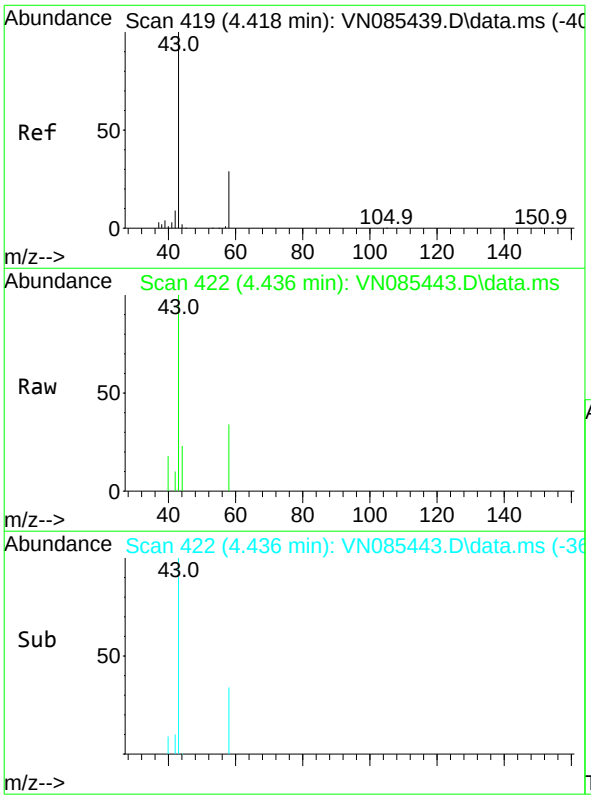
Ion	Ratio	Lower	Upper
53	100		
52	45.1	65.5	98.3#
51	33.3	29.8	44.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

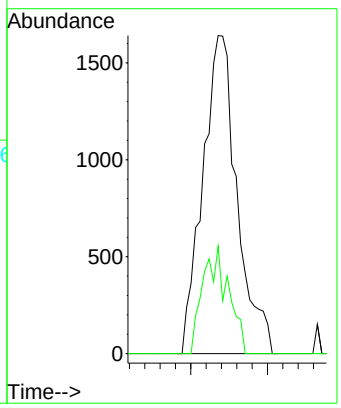
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

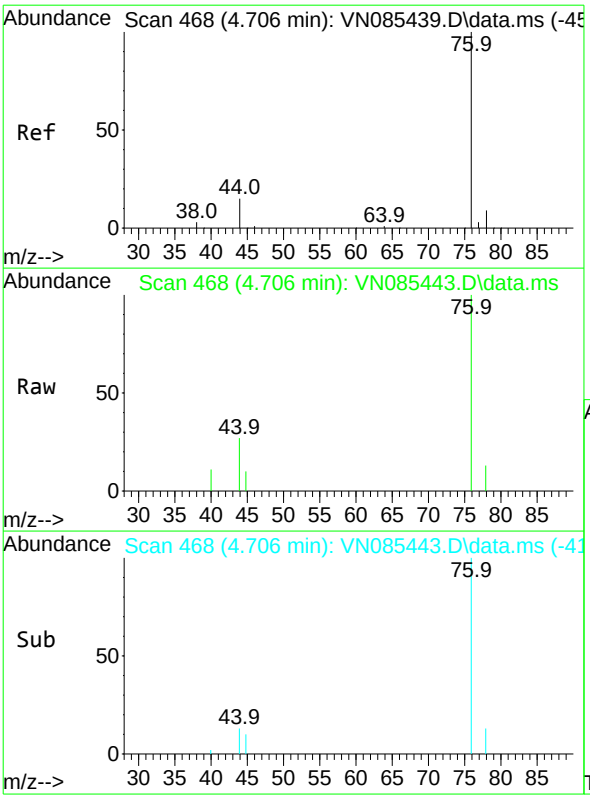


#16
Acetone
Concen: 5.862 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.018 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 43 Resp: 5102

Ion	Ratio	Lower	Upper
43	100		
58	33.8	23.8	35.6

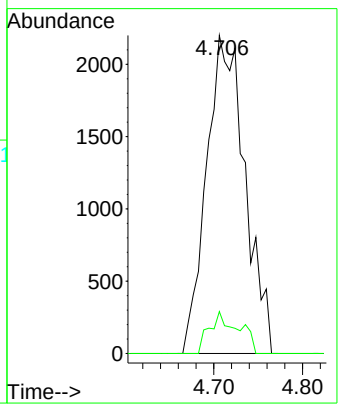




#17
Carbon Disulfide
Concen: 1.197 ug/l
RT: 4.706 min Scan# 46
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 76 Resp: 6601

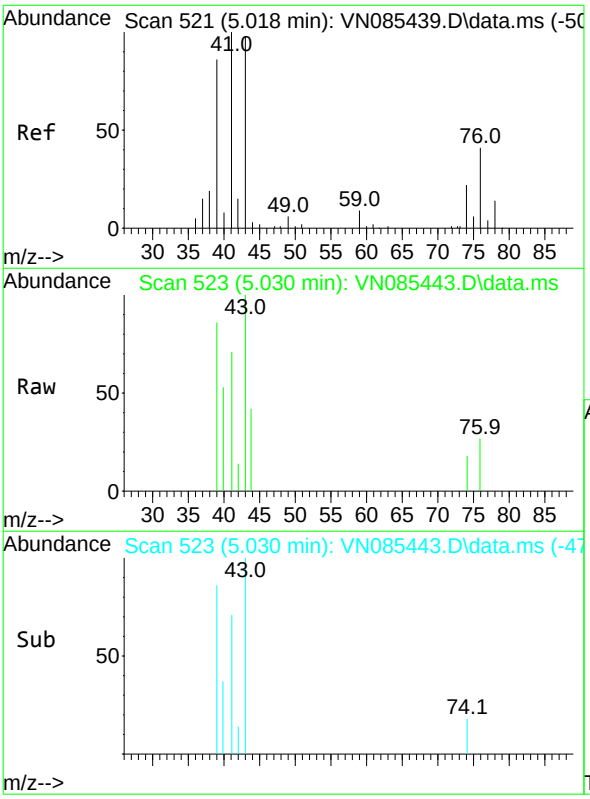
Ion	Ratio	Lower	Upper
76	100		
78	13.2	6.9	10.3#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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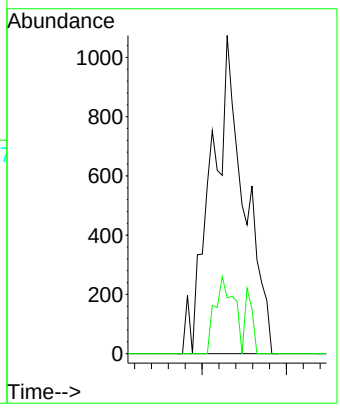
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

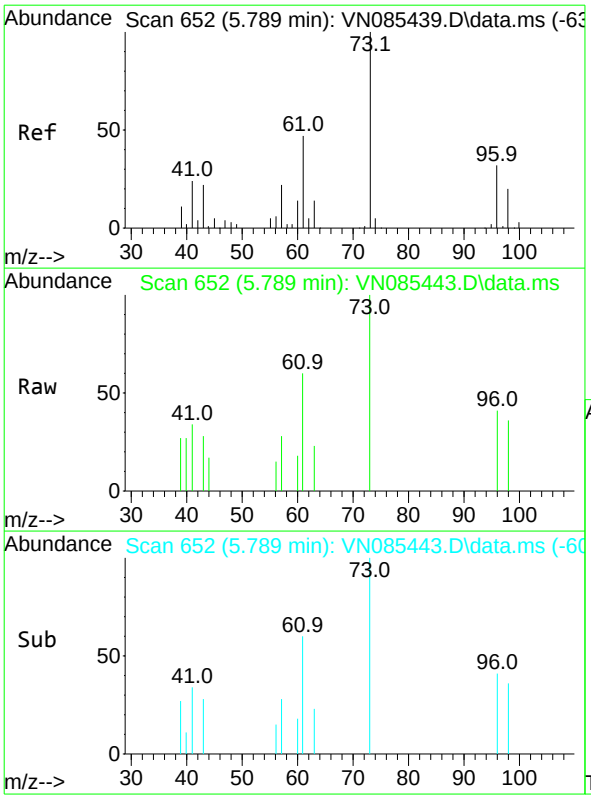


#18
Methyl Acetate
Concen: 1.099 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 43 Resp: 2908

Ion	Ratio	Lower	Upper
43	100		
74	13.8	18.6	28.0#

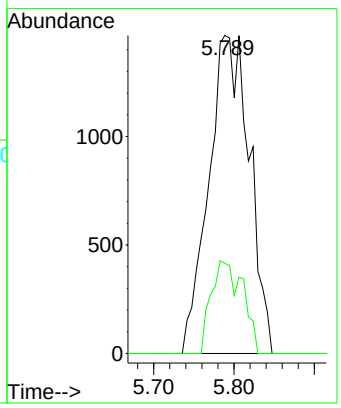




#19
Methyl tert-butyl Ether
Concen: 0.887 ug/l
RT: 5.789 min Scan# 65
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 73 Resp: 5156

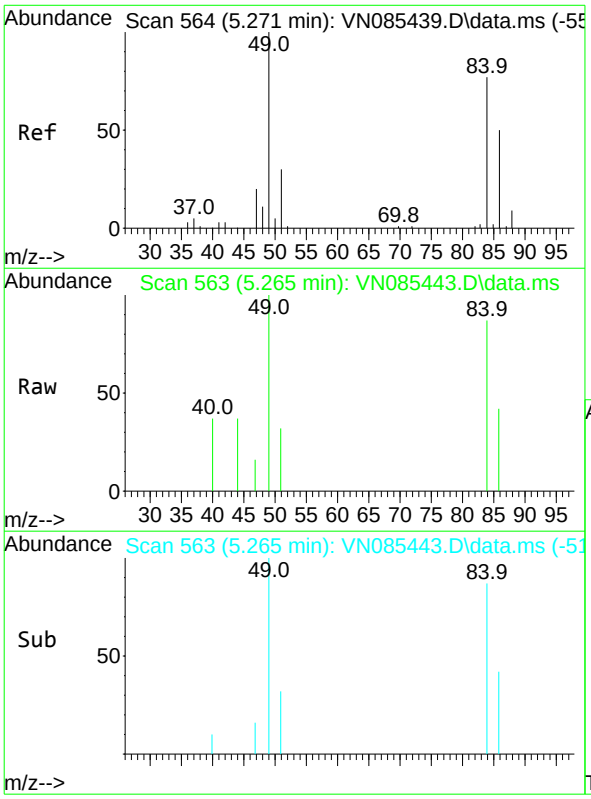
Ion	Ratio	Lower	Upper
73	100		
57	28.4	17.8	26.8#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
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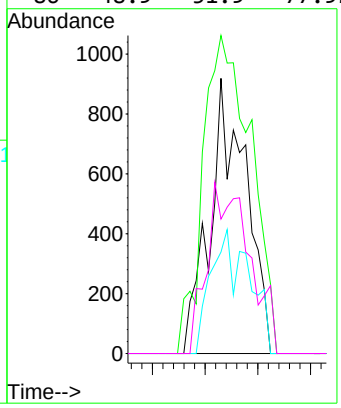
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

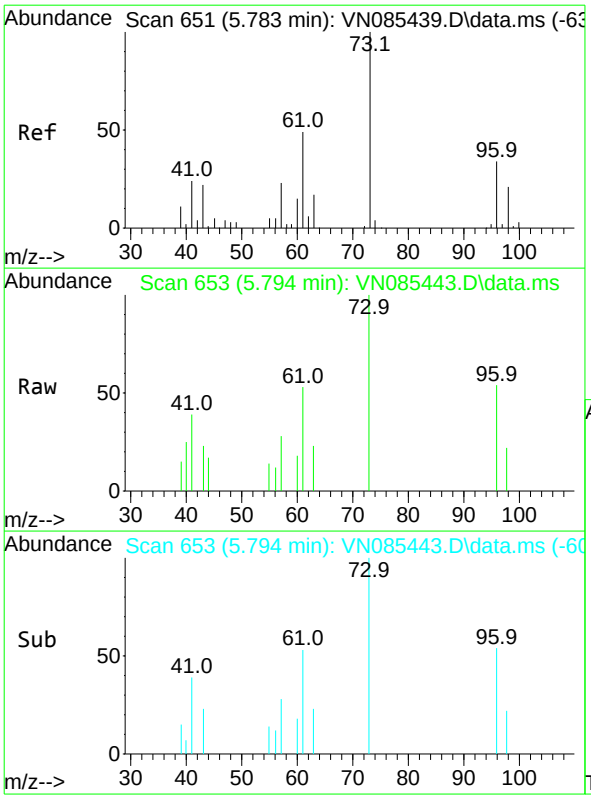


#20
Methylene Chloride
Concen: 1.016 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 84 Resp: 2190

Ion	Ratio	Lower	Upper
84	100		
49	115.6	104.1	156.1
51	36.9	31.0	46.4
86	48.9	51.9	77.9#





#21
trans-1,2-Dichloroethene
Concen: 1.102 ug/l
RT: 5.794 min Scan# 65
Delta R.T. 0.012 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

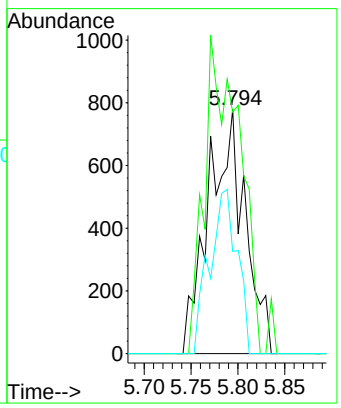
Tgt Ion: 96 Resp: 2110

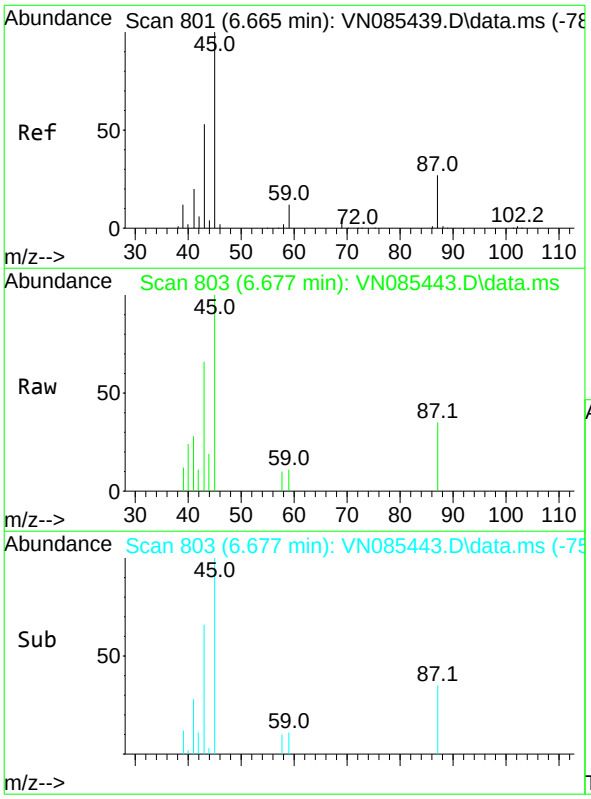
Ion	Ratio	Lower	Upper
96	100		
61	98.7	115.7	173.5#
98	41.8	49.8	74.8#

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

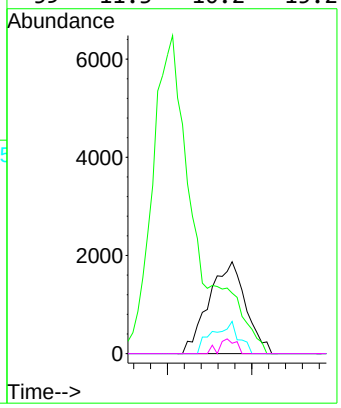


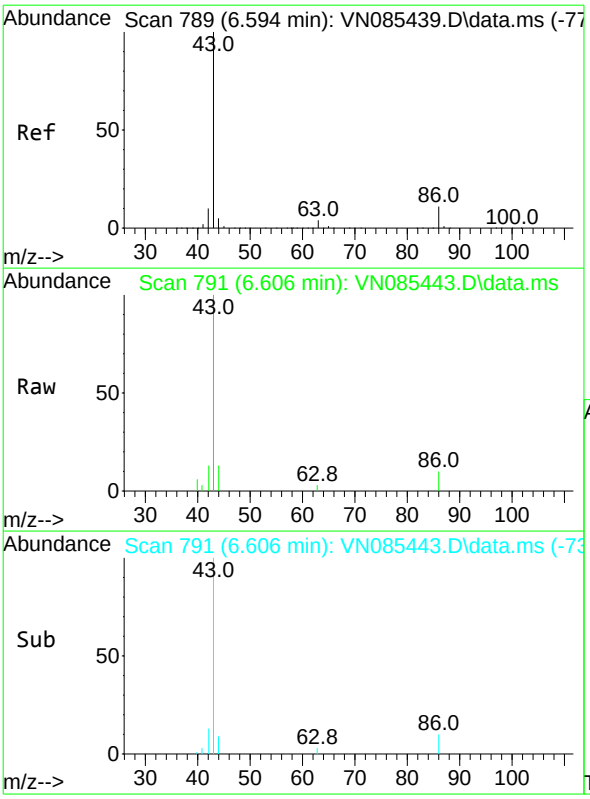


#22
Diisopropyl ether
Concen: 0.882 ug/l
RT: 6.677 min Scan# 803
Delta R.T. 0.012 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 45 Resp: 5691

Ion	Ratio	Lower	Upper
45	100		
43	65.9	45.0	67.6
87	35.0	21.8	32.8#
59	11.3	10.2	15.2

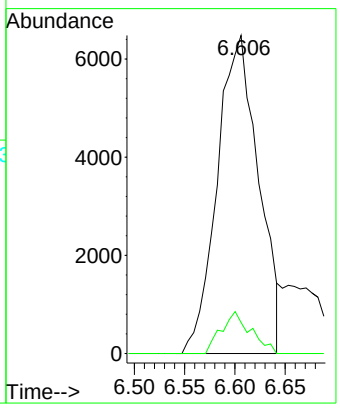




#23
Vinyl Acetate
Concen: 4.090 ug/l m
RT: 6.606 min Scan# 79
Delta R.T. 0.012 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 43 Resp: 18526

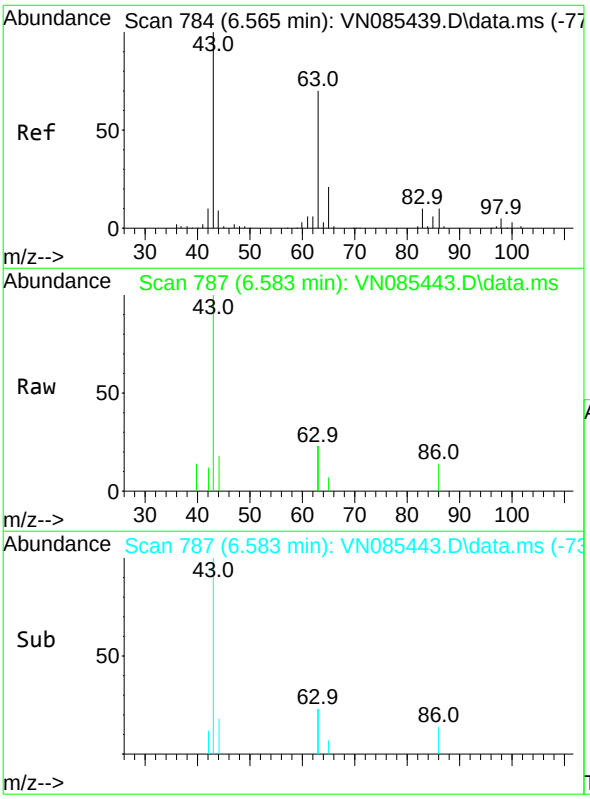
Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.4	12.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
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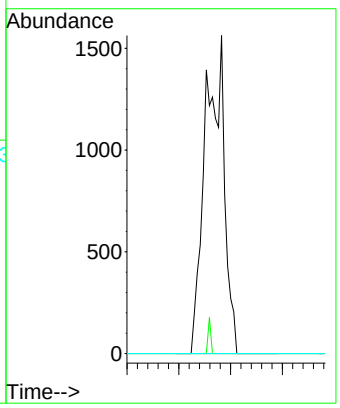
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

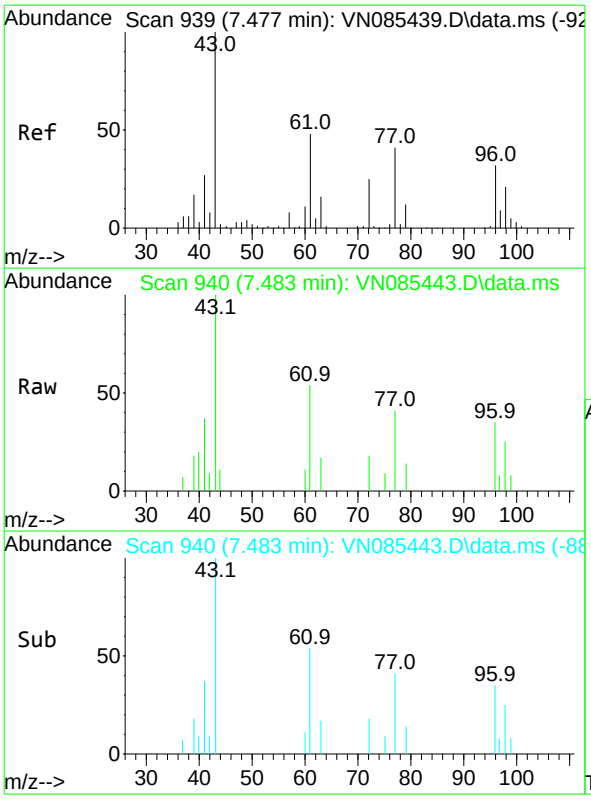


#24
1,1-Dichloroethane
Concen: 1.022 ug/l m
RT: 6.583 min Scan# 787
Delta R.T. 0.018 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 63 Resp: 4020

Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.3	9.8#
100	0.0	2.0	6.0#

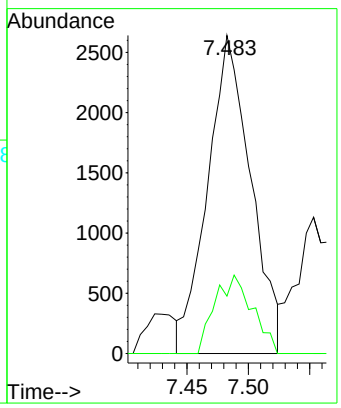




#25
2-Butanone
Concen: 5.034 ug/l m
RT: 7.483 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 43 Resp: 6448

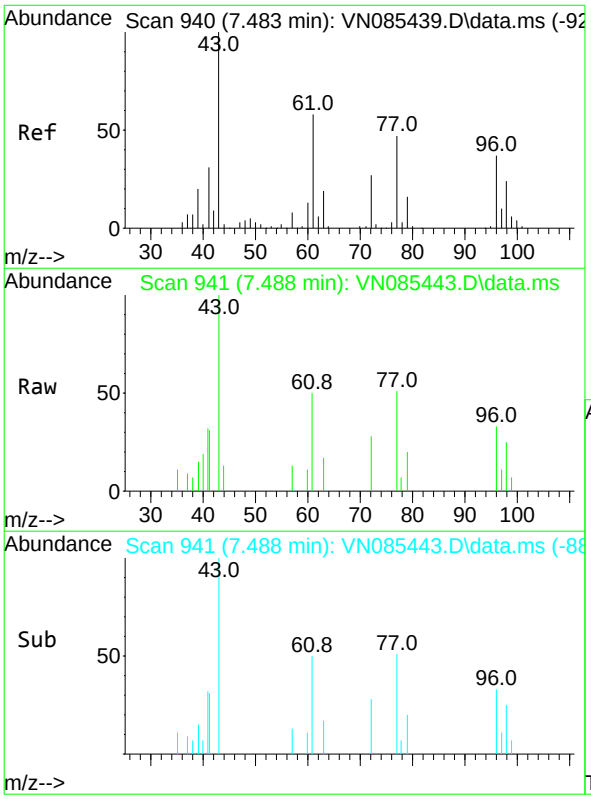
Ion	Ratio	Lower	Upper
43	100		
72	18.0	20.2	30.4#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
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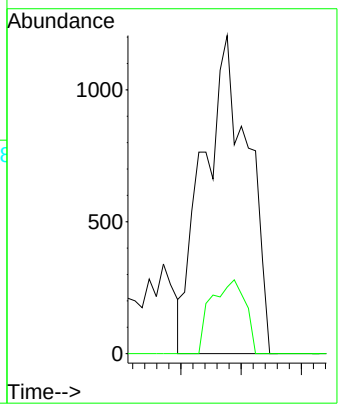
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

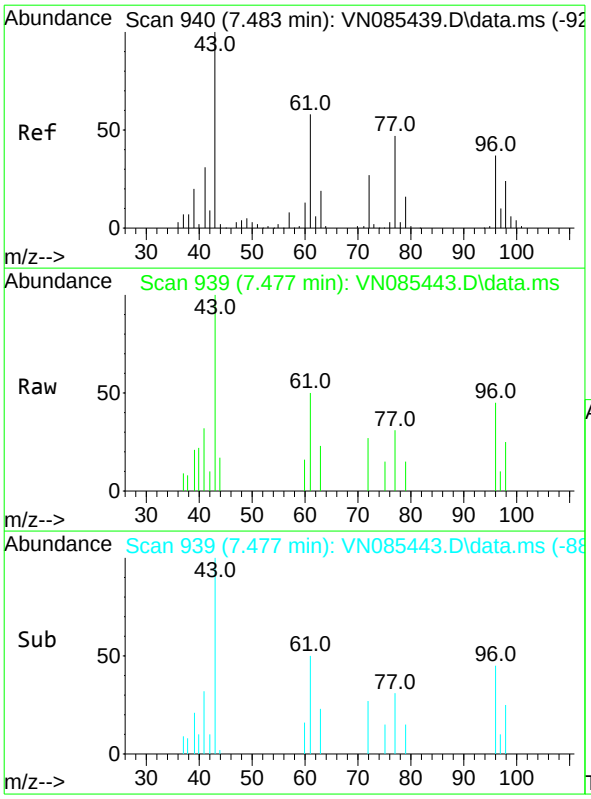


#26
2,2-Dichloropropane
Concen: 0.976 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 77 Resp: 3104

Ion	Ratio	Lower	Upper
77	100		
97	17.7	10.7	32.1





#27
cis-1,2-Dichloroethene
Concen: 0.969 ug/l
RT: 7.477 min Scan# 93
Delta R.T. -0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

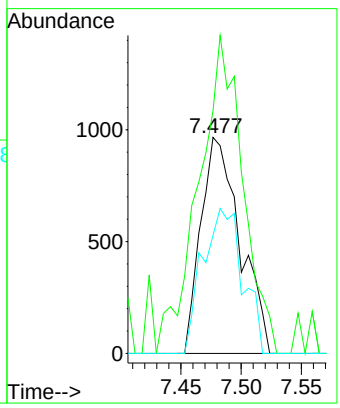
Tgt Ion: 96 Resp: 2185

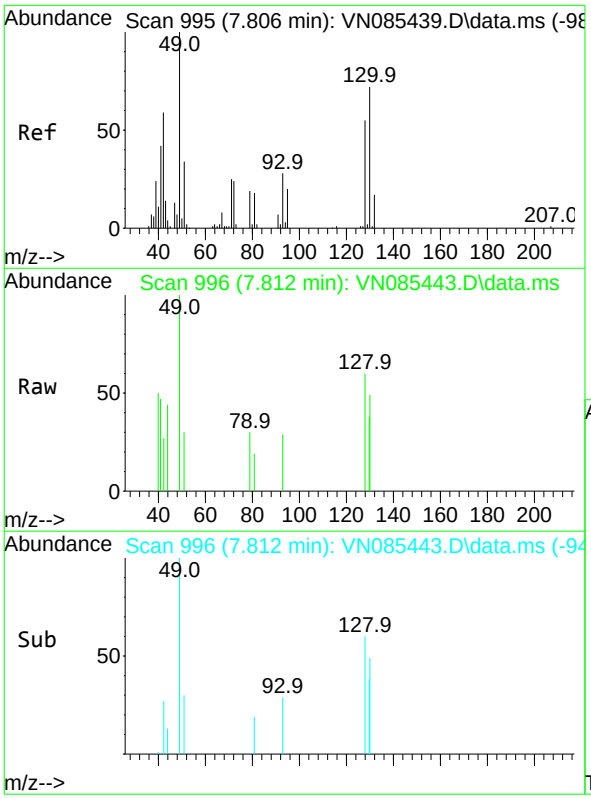
Ion	Ratio	Lower	Upper
96	100		
61	166.1	0.0	311.8
98	68.7	0.0	126.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
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Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

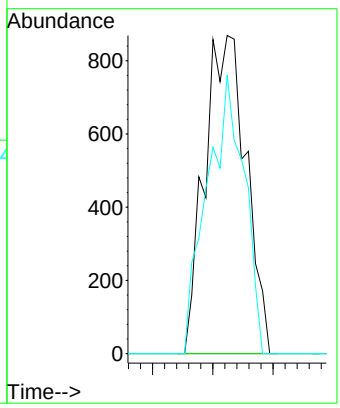


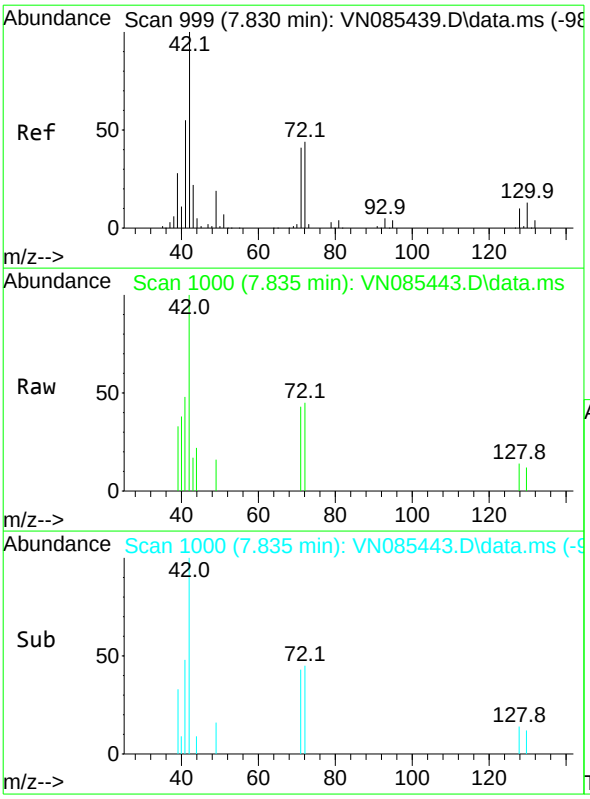


#28
Bromochloromethane
Concen: 1.138 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 49 Resp: 2082

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.4
130	78.0	55.0	82.4





#29
Tetrahydrofuran
Concen: 4.548 ug/l
RT: 7.835 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

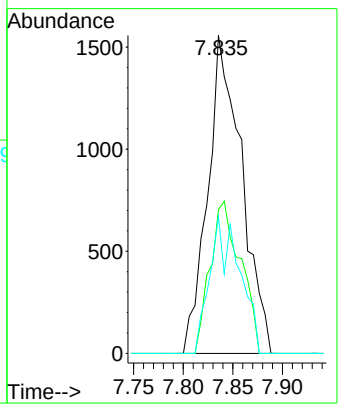
Tgt Ion: 42 Resp: 3693

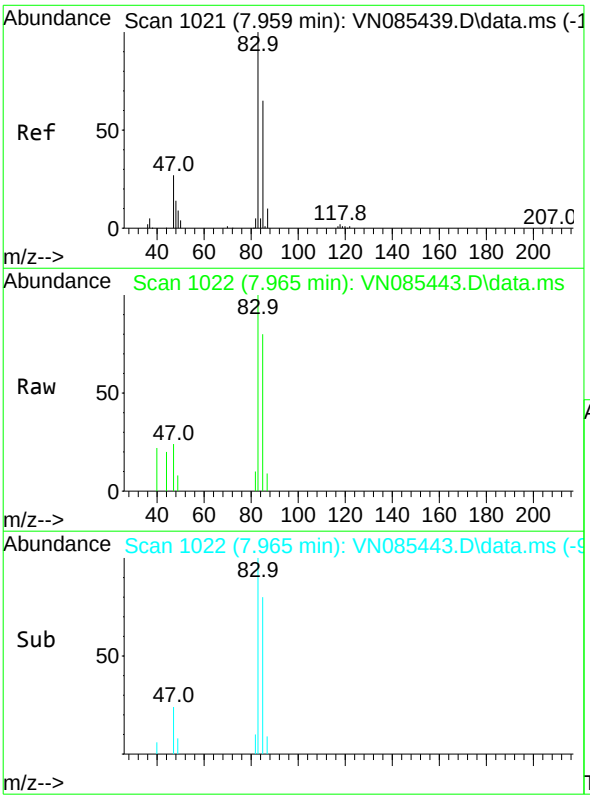
Ion	Ratio	Lower	Upper
42	100		
72	43.1	34.2	51.2
71	37.9	32.5	48.7

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

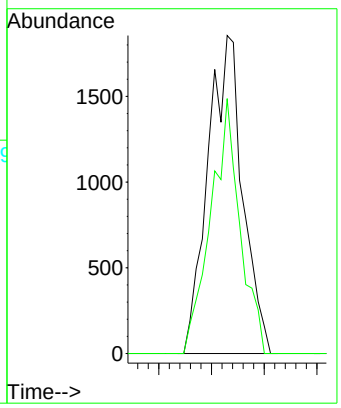


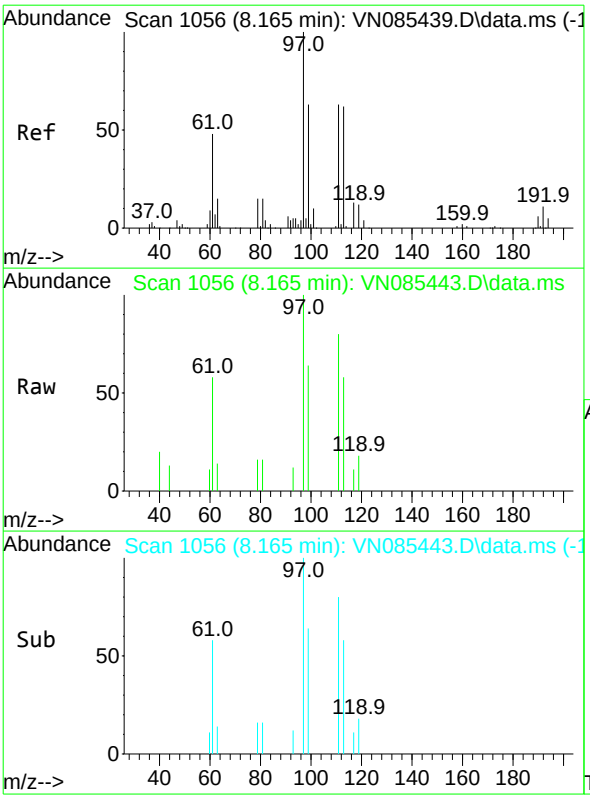


#30
Chloroform
Concen: 1.045 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 83 Resp: 4250

Ion	Ratio	Lower	Upper
83	100		
85	80.2	51.8	77.6#

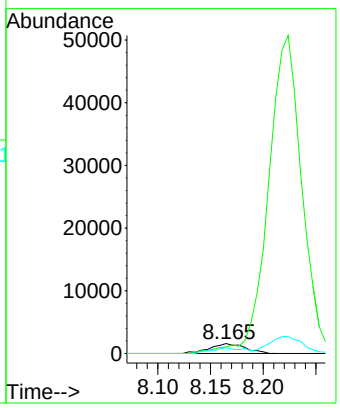




#32
1,1,1-Trichloroethane
Concen: 1.031 ug/l
RT: 8.165 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 97 Resp: 3678

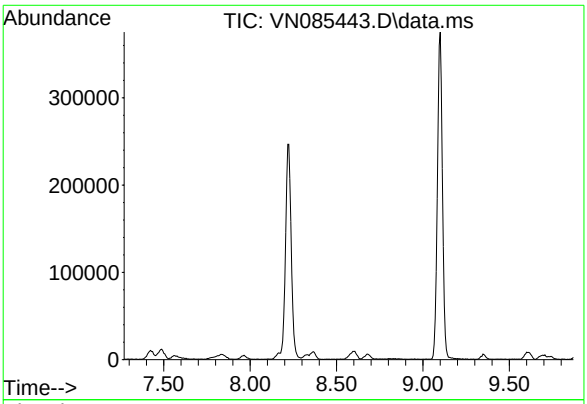
Ion	Ratio	Lower	Upper
97	100		
99	0.0	49.8	74.6#
61	52.2	41.4	62.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

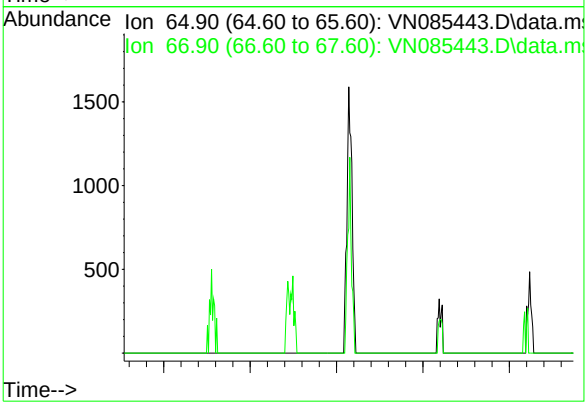


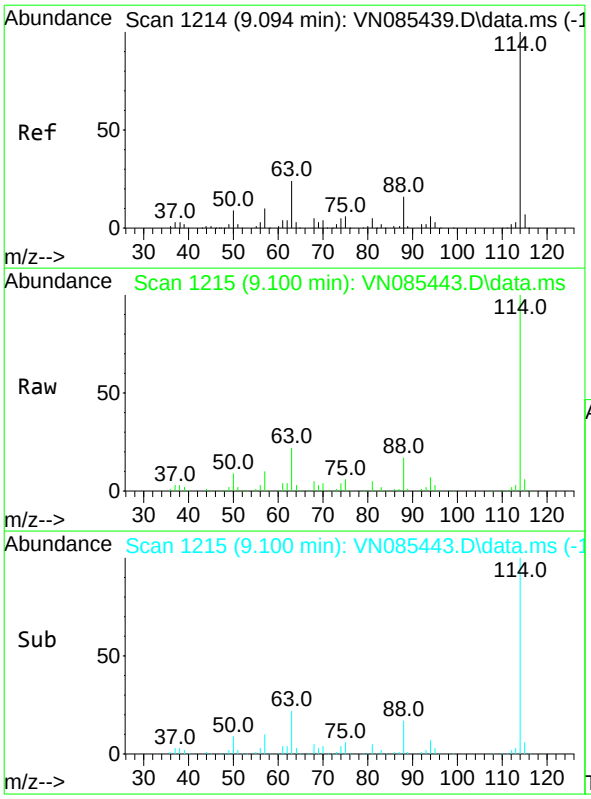
#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 8.57 min

Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 65

Sig	Exp Ratio
65	100
67	50.8





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

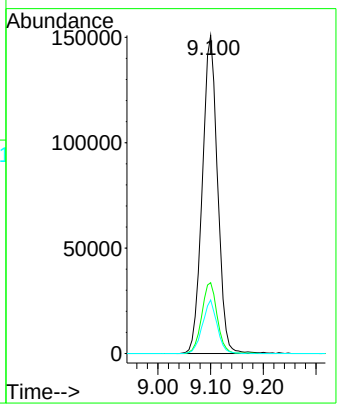
Tgt Ion:114 Resp: 302938

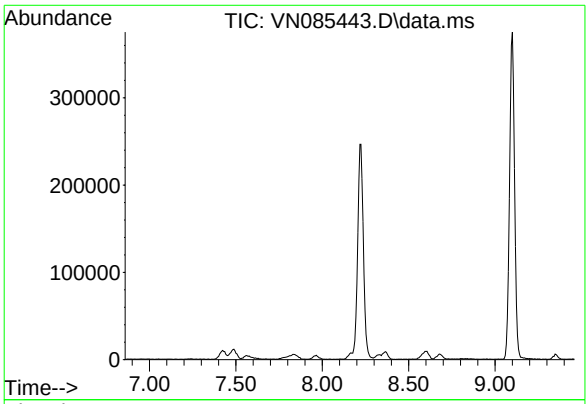
Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	47.6
88	16.8	0.0	32.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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Supervised By :Mahesh Dadoda 01/15/2025



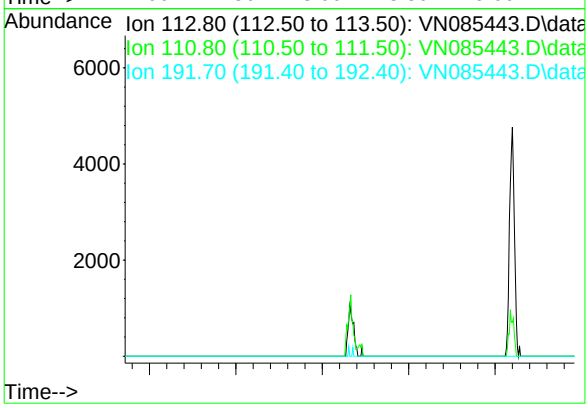


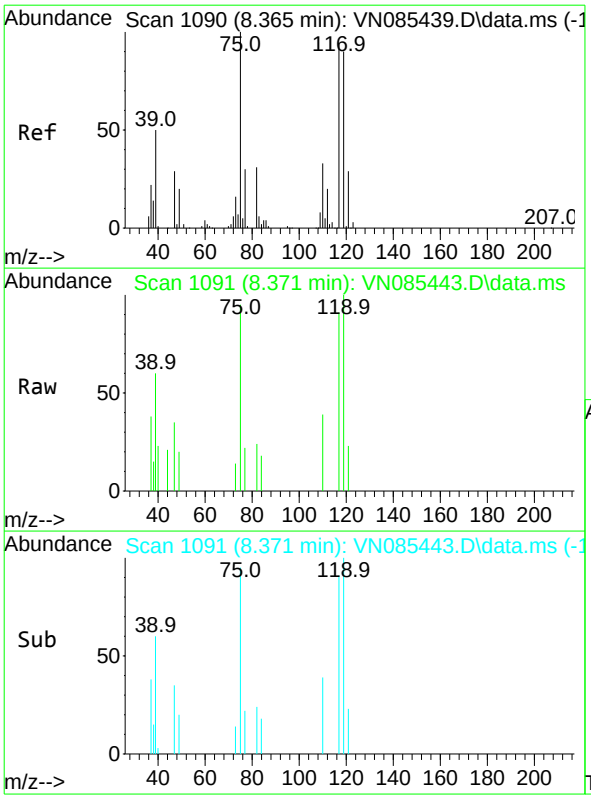
#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 8.16 min

Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 113

Sig	Exp Ratio
113	100
111	103.4
192	17.9

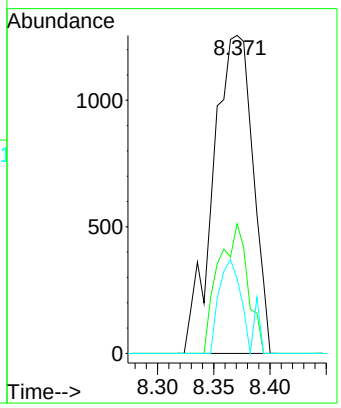




#36
1,1-Dichloropropene
Concen: 1.046 ug/l
RT: 8.371 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 75 Resp: 3084

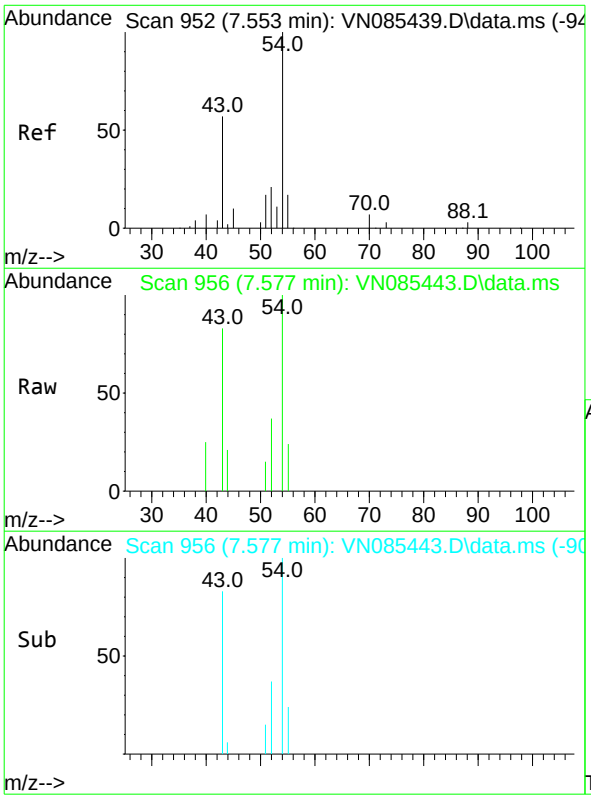
Ion	Ratio	Lower	Upper
75	100		
110	30.1	16.5	49.5
77	15.9	24.4	36.6#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

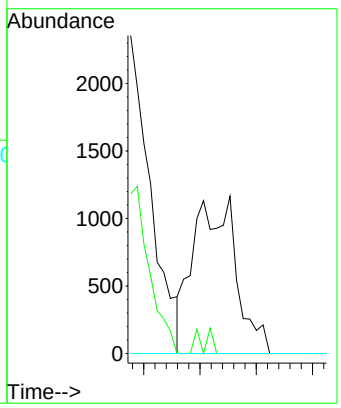
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

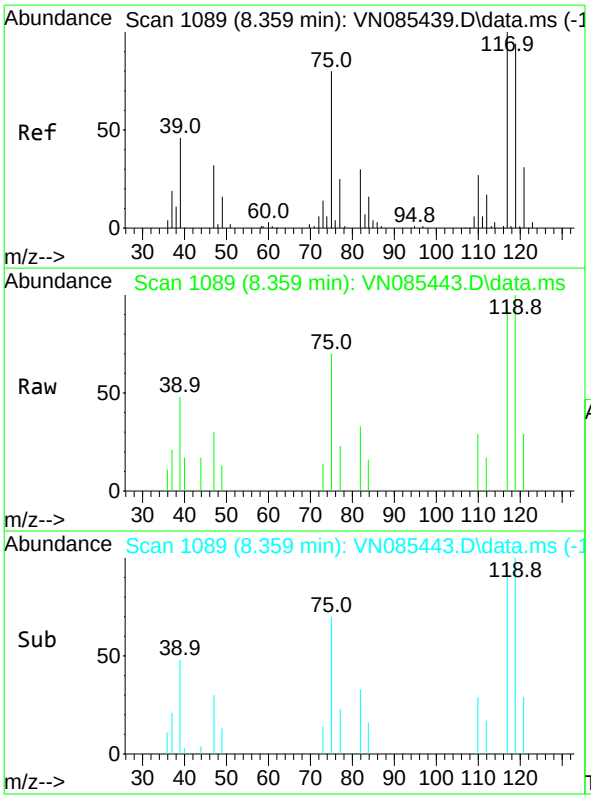


#37
Ethyl Acetate
Concen: 1.026 ug/l m
RT: 7.577 min Scan# 956
Delta R.T. 0.023 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 43 Resp: 3056

Ion	Ratio	Lower	Upper
43	100		
61	4.3	10.9	16.3#
70	0.0	7.5	11.3#

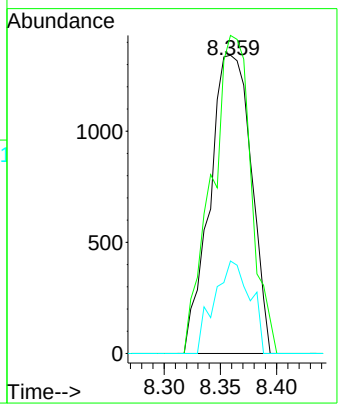




#38
Carbon Tetrachloride
Concen: 1.018 ug/l
RT: 8.359 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion:117 Resp: 3436

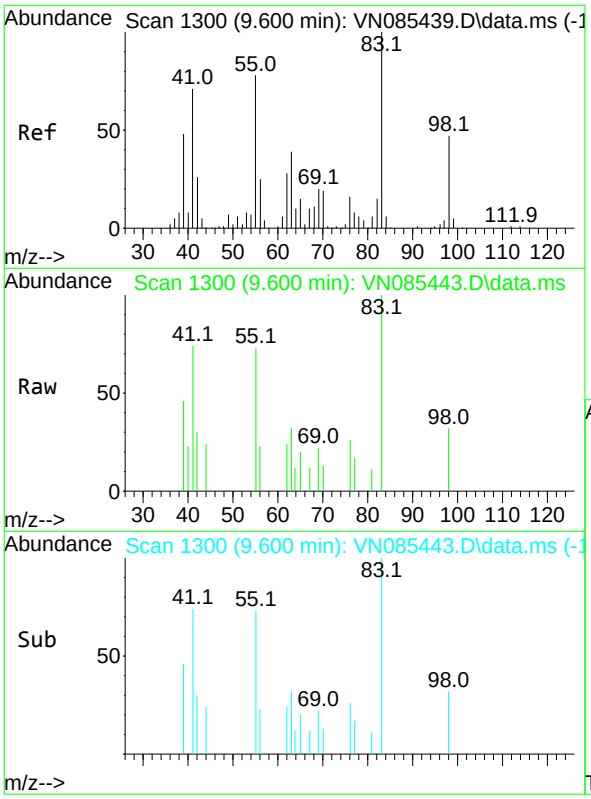
Ion	Ratio	Lower	Upper
117	100		
119	106.6	75.4	113.2
121	31.0	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
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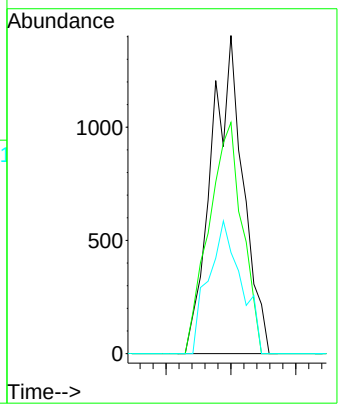
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

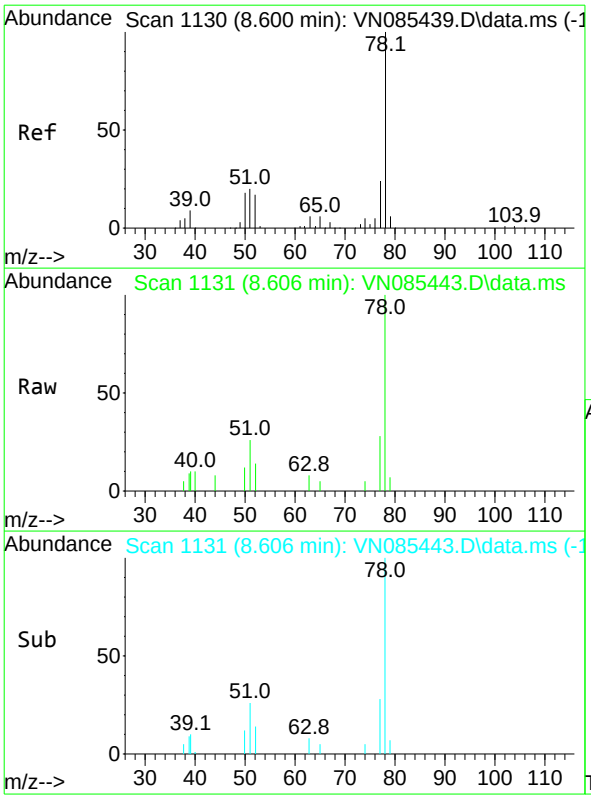


#39
Methylcyclohexane
Concen: 0.867 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 83 Resp: 2403

Ion	Ratio	Lower	Upper
83	100		
55	72.7	62.6	94.0
98	31.8	37.7	56.5#

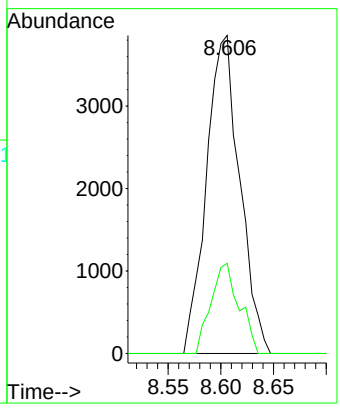




#40
Benzene
Concen: 0.957 ug/l
RT: 8.606 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 78 Resp: 8480

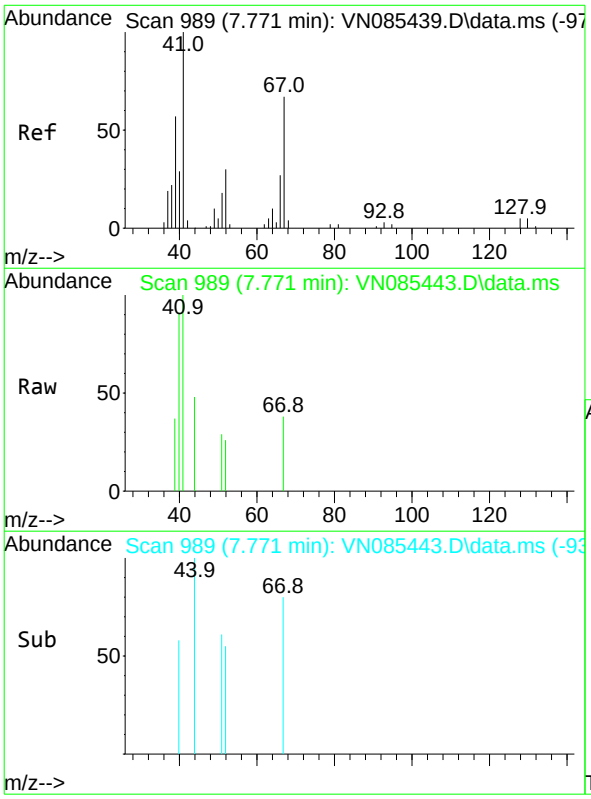
Ion	Ratio	Lower	Upper
78	100		
77	28.3	19.0	28.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

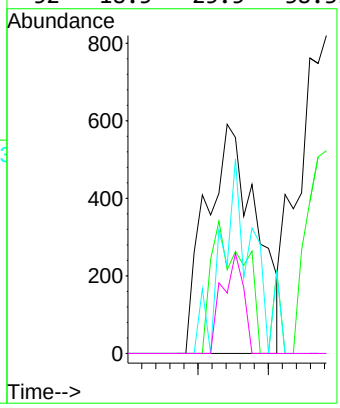
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

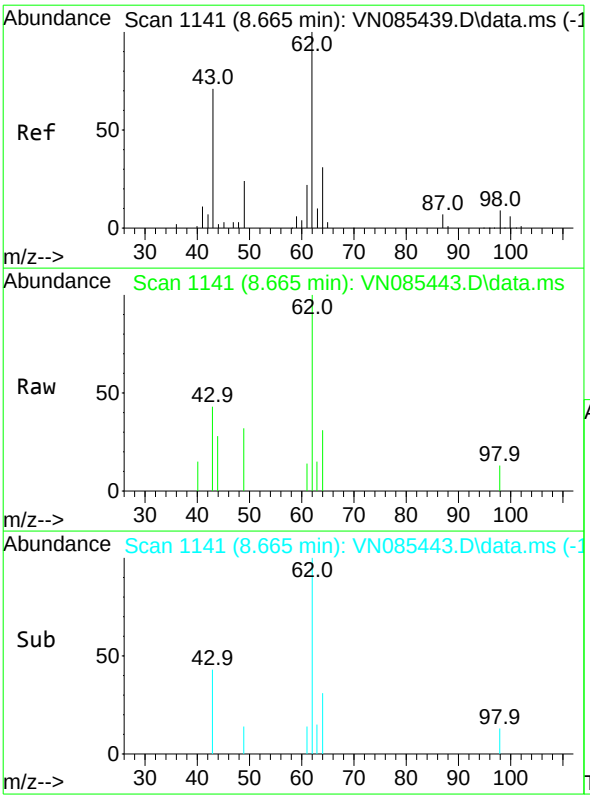


#41
Methacrylonitrile
Concen: 0.941 ug/l
RT: 7.771 min Scan# 989
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 41 Resp: 1458

Ion	Ratio	Lower	Upper
41	100		
39	37.6	46.0	69.0#
67	53.8	57.4	86.2#
52	18.5	25.5	38.3#

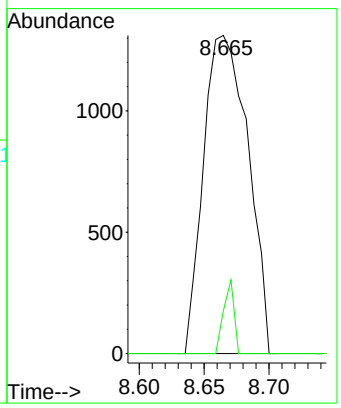




#42
1,2-Dichloroethane
Concen: 0.938 ug/l
RT: 8.665 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 62 Resp: 3131

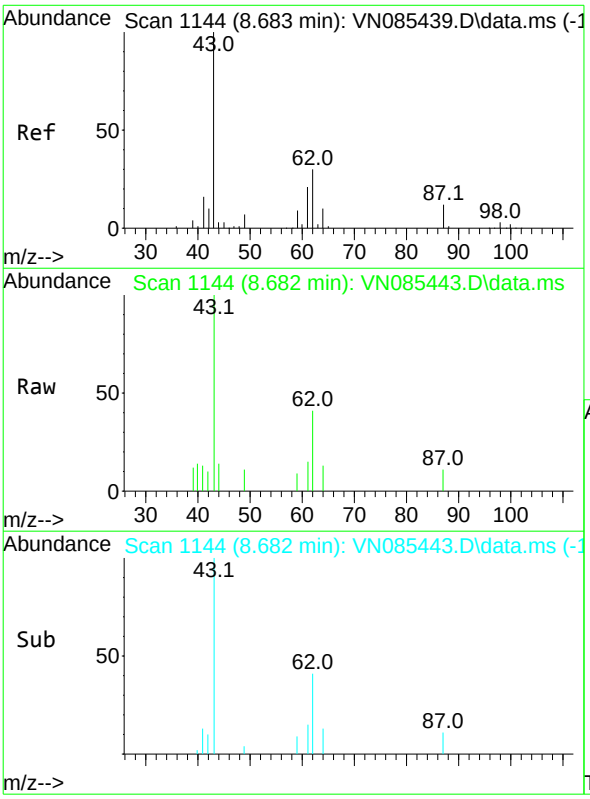
Ion	Ratio	Lower	Upper
62	100		
98	5.4	0.0	17.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

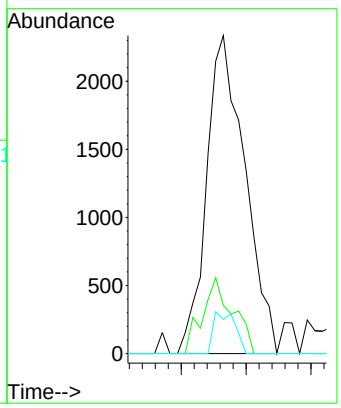
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

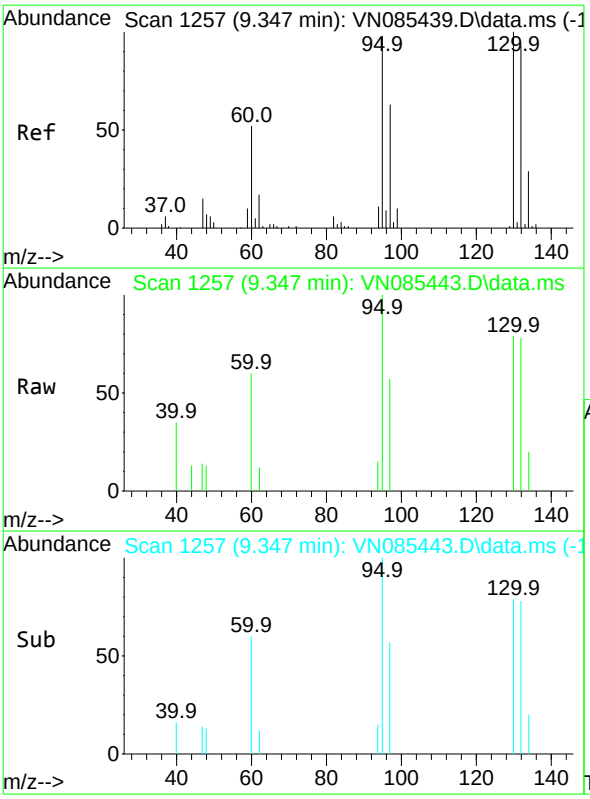


#43
Isopropyl Acetate
Concen: 1.007 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 43 Resp: 4803

Ion	Ratio	Lower	Upper
43	100		
61	18.9	20.7	31.1#
87	7.3	9.8	14.8#

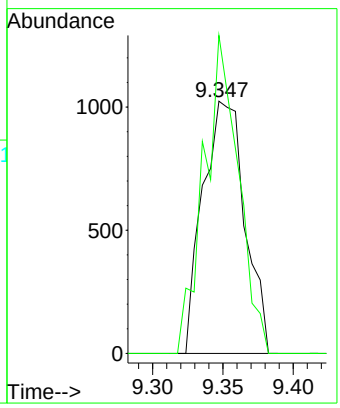




#44
Trichloroethene
Concen: 1.034 ug/l
RT: 9.347 min Scan# 12
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion:130 Resp: 2133

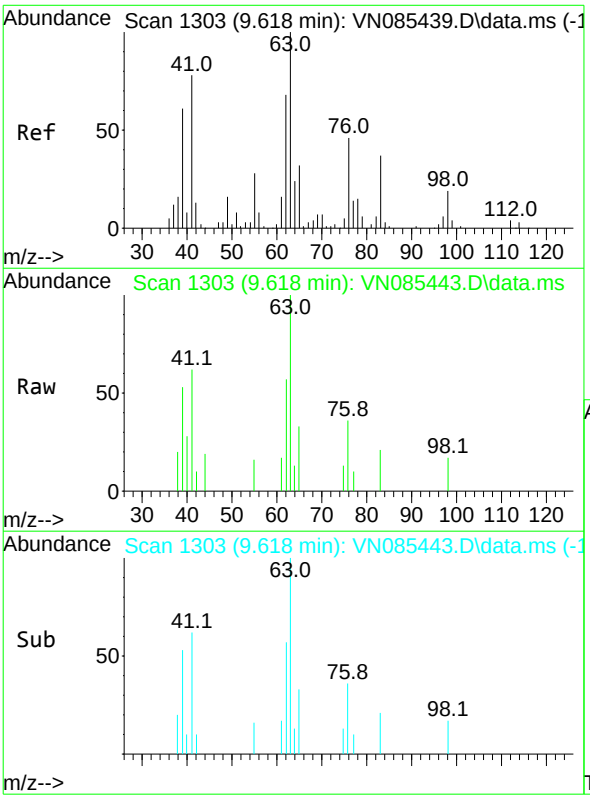
Ion	Ratio	Lower	Upper
130	100		
95	126.1	0.0	195.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

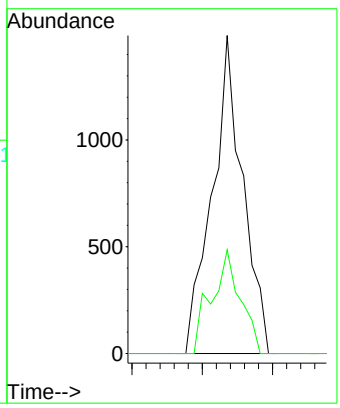
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

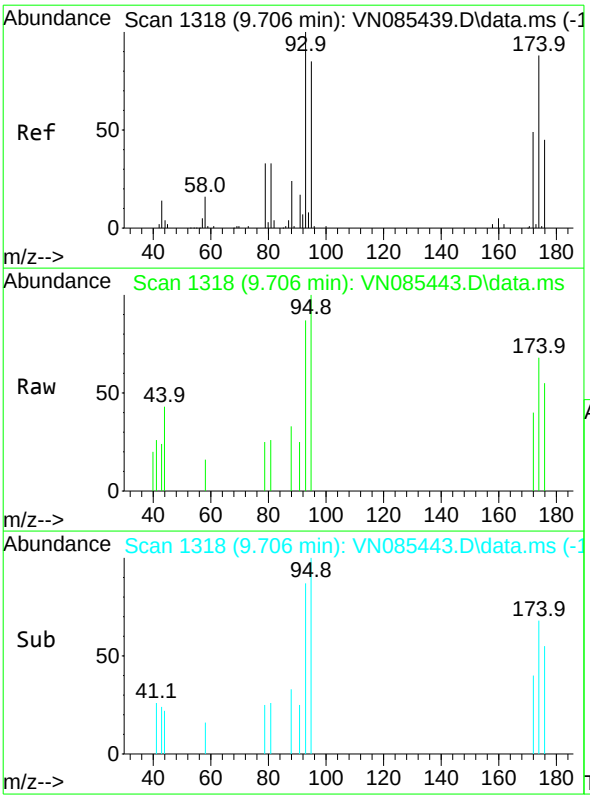


#45
1,2-Dichloropropane
Concen: 0.992 ug/l
RT: 9.618 min Scan# 1303
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 63 Resp: 2246

Ion	Ratio	Lower	Upper
63	100		
65	32.6	25.6	38.4

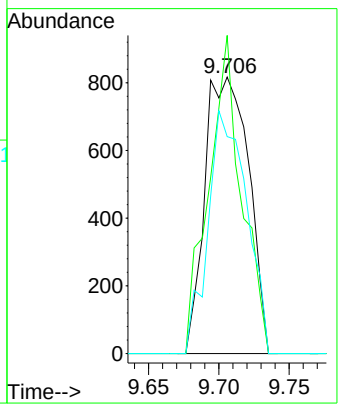




#46
Dibromomethane
Concen: 1.083 ug/l
RT: 9.706 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 93 Resp: 1769

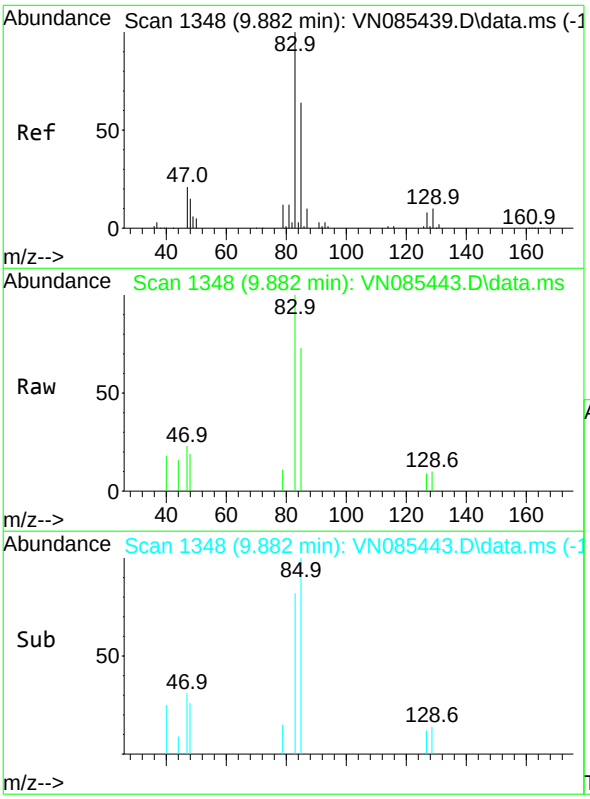
Ion	Ratio	Lower	Upper
93	100		
95	86.5	64.7	97.1
174	77.4	69.0	103.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

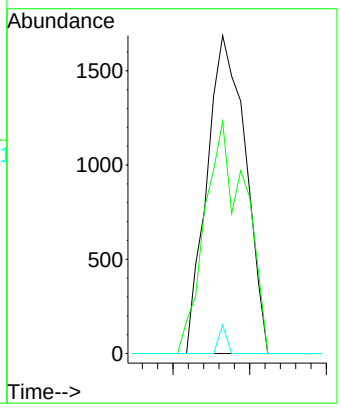
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

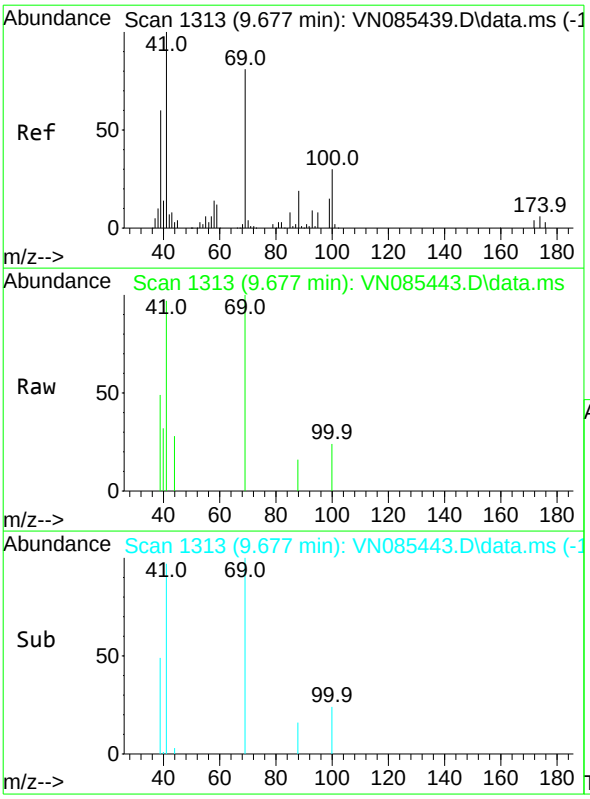


#47
Bromodichloromethane
Concen: 0.882 ug/l
RT: 9.882 min Scan# 1348
Delta R.T. 0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 83 Resp: 2935

Ion	Ratio	Lower	Upper
83	100		
85	72.9	51.2	76.8
127	9.0	6.5	9.7





#48
Methyl methacrylate
Concen: 0.878 ug/l
RT: 9.677 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

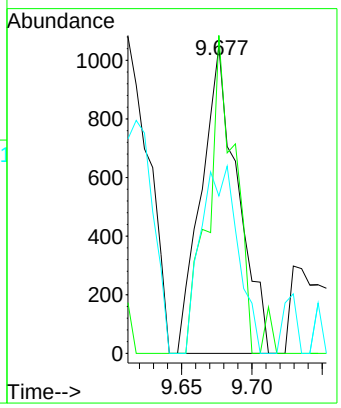
Tgt Ion: 41 Resp: 1886

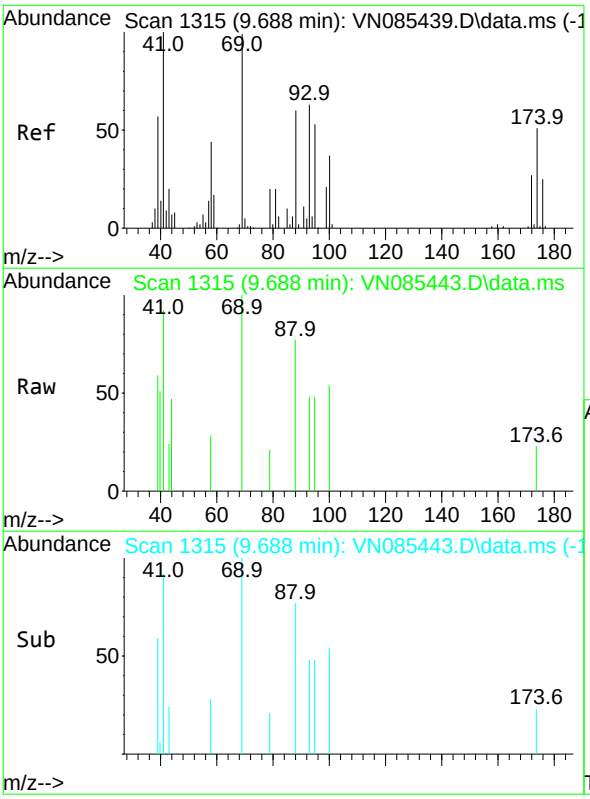
Ion	Ratio	Lower	Upper
41	100		
69	76.2	64.7	97.1
39	62.8	49.0	73.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
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Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

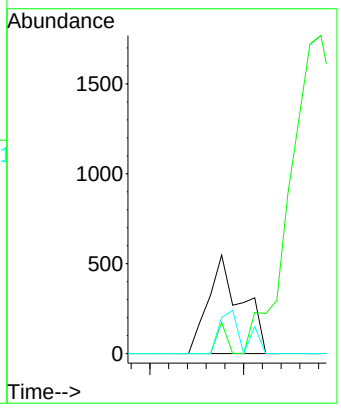


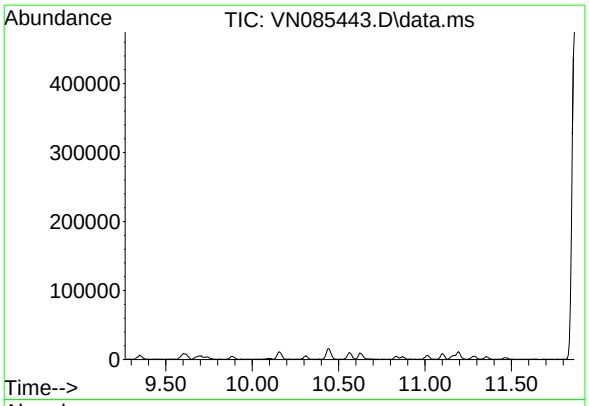


#49
1,4-Dioxane
Concen: 18.616 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 88 Resp: 673

Ion	Ratio	Lower	Upper
88	100		
43	0.0	26.6	39.8#
58	31.1	59.5	89.3#





#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.56 min

Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

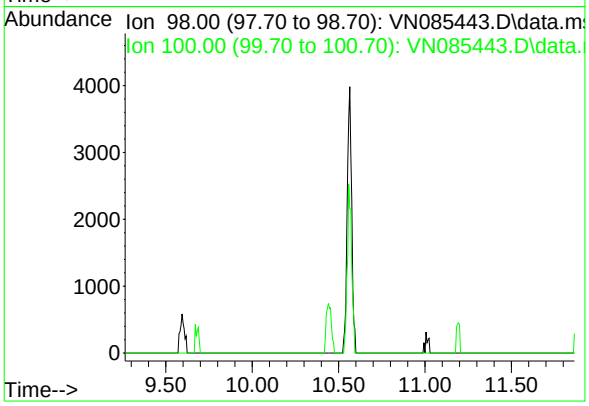
Tgt Ion: 98

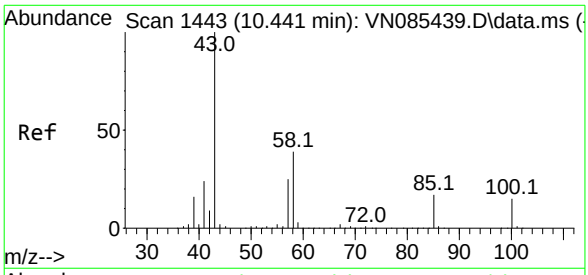
Sig	Exp Ratio
98	100
100	65.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
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Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

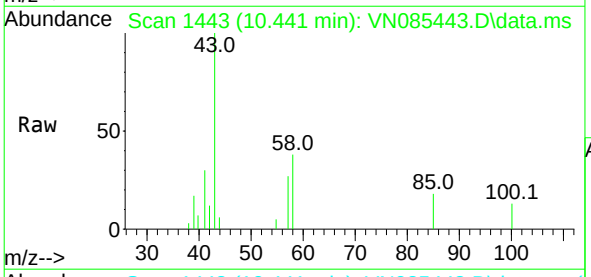


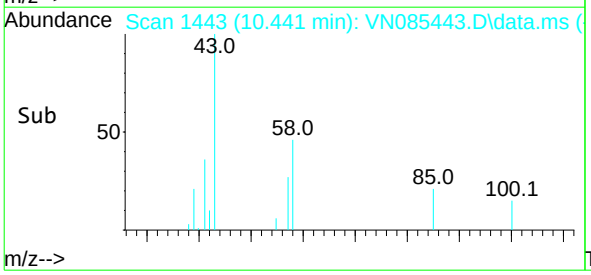


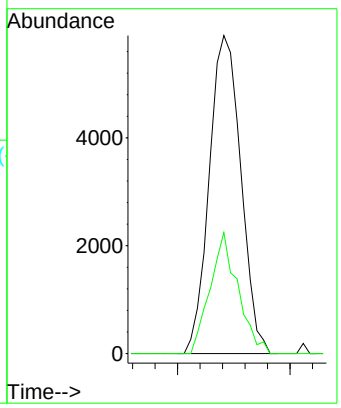
#51
4-Methyl-2-Pentanone
Concen: 4.163 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

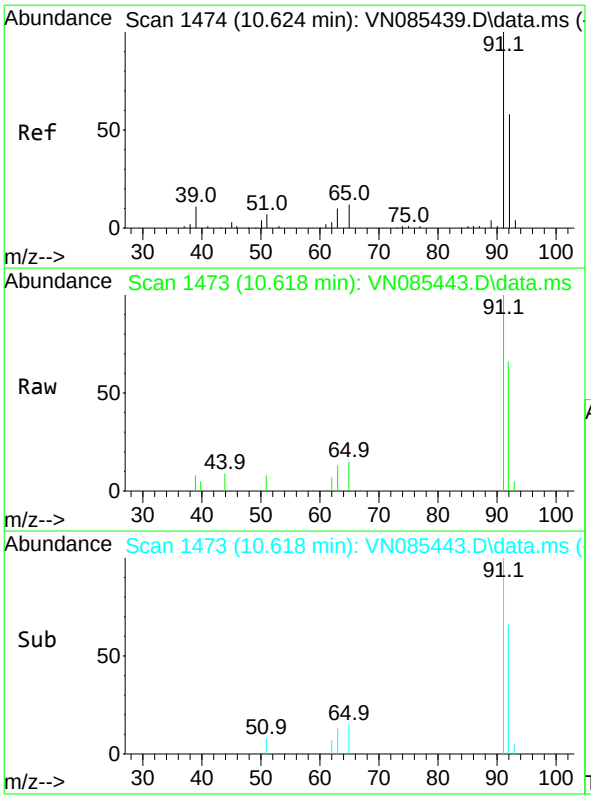
Tgt Ion: 43 Resp: 11523

Ion	Ratio	Lower	Upper
43	100		
58	33.6	30.5	45.7





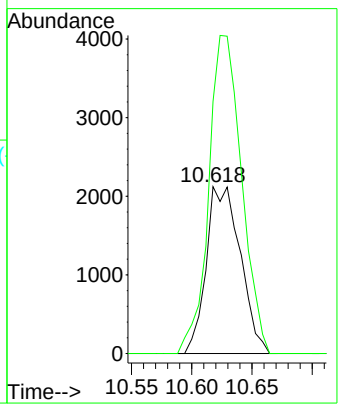




#52
Toluene
Concen: 0.814 ug/l
RT: 10.618 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 92 Resp: 4180

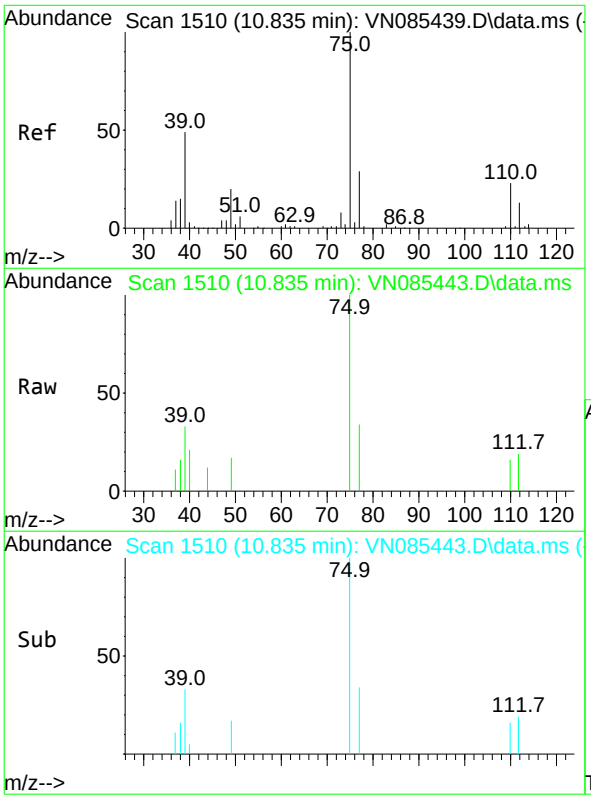
Ion	Ratio	Lower	Upper
92	100		
91	183.9	139.2	208.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
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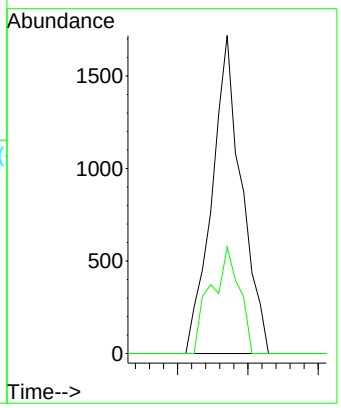
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

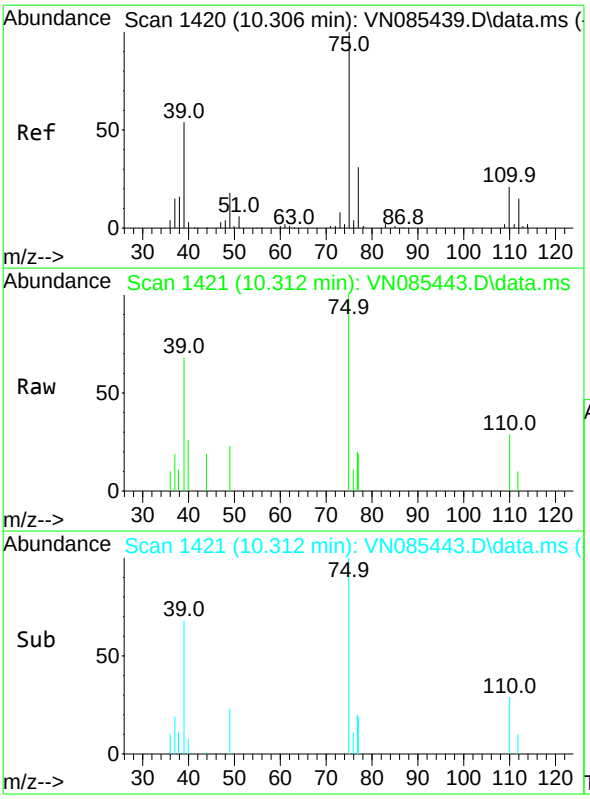


#53
t-1,3-Dichloropropene
Concen: 0.802 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 75 Resp: 2522

Ion	Ratio	Lower	Upper
75	100		
77	33.5	23.5	35.3

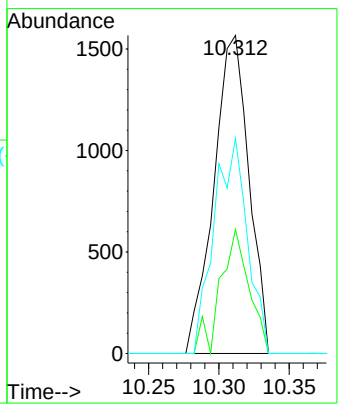




#54
cis-1,3-Dichloropropene
Concen: 0.811 ug/l
RT: 10.312 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 75 Resp: 2725

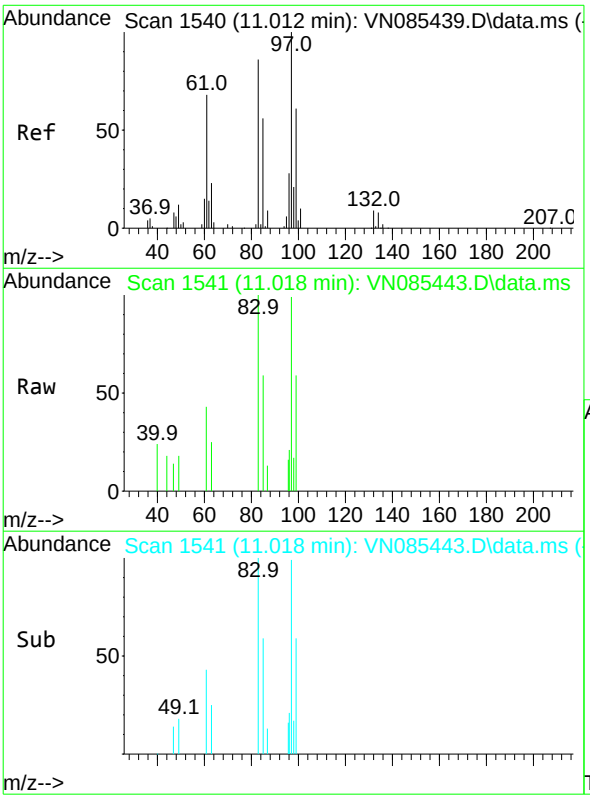
Ion	Ratio	Lower	Upper
75	100		
77	39.0	25.0	37.4#
39	67.6	43.1	64.7#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

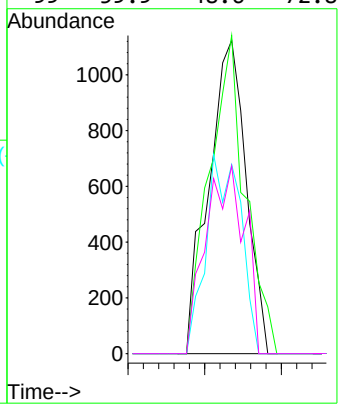
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

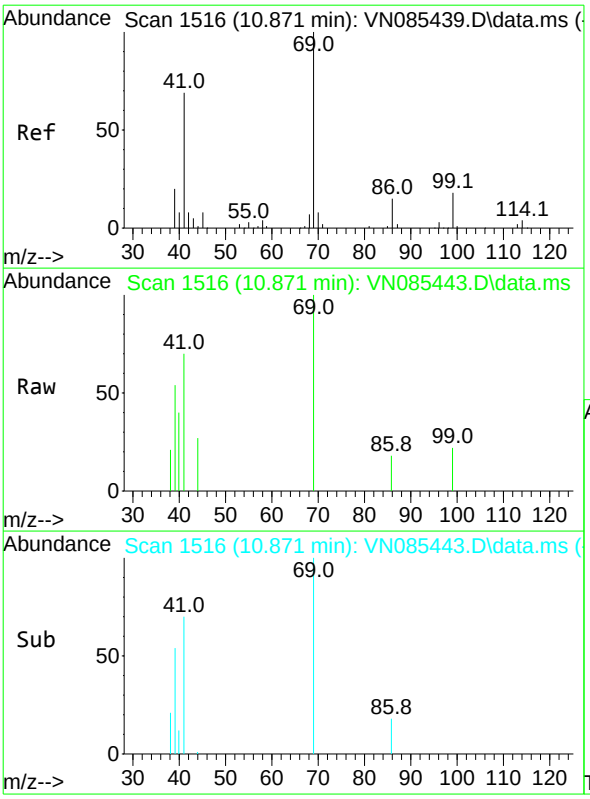


#55
1,1,2-Trichloroethane
Concen: 0.935 ug/l
RT: 11.018 min Scan# 1541
Delta R.T. 0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 97 Resp: 1901

Ion	Ratio	Lower	Upper
97	100		
83	101.5	69.0	103.6
85	60.3	44.6	66.8
99	59.9	48.6	72.8





#56
Ethyl methacrylate
Concen: 2.471 ug/l
RT: 10.871 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

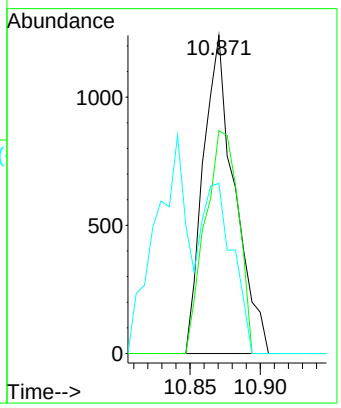
Tgt Ion: 69 Resp: 1923

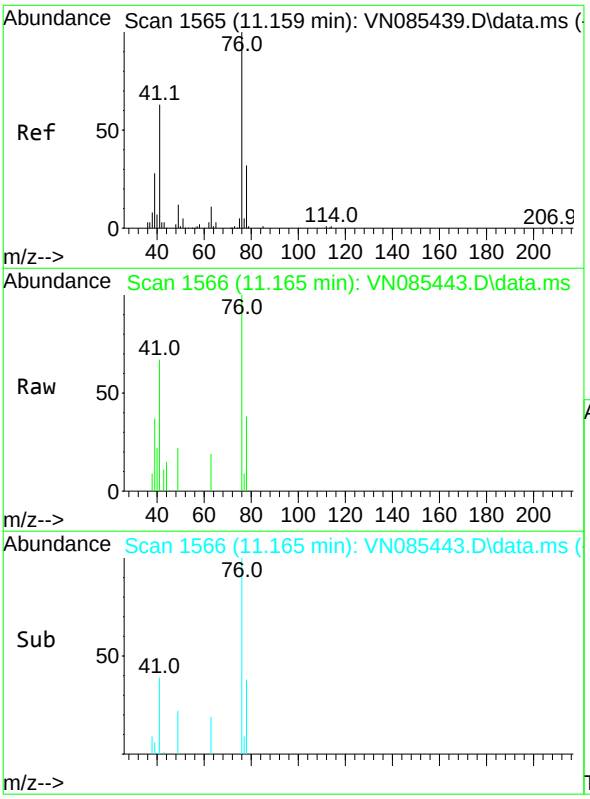
Ion	Ratio	Lower	Upper
69	100		
41	74.4	54.6	82.0
39	52.4	32.4	48.6#

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

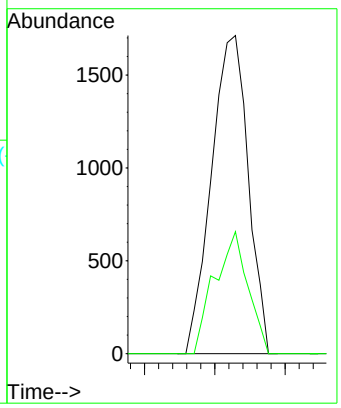


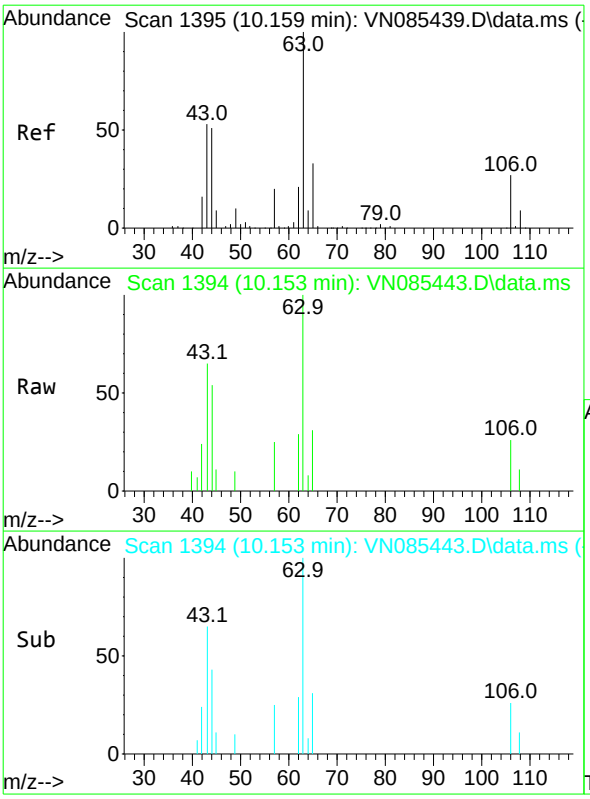


#57
1,3-Dichloropropane
Concen: 0.881 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. 0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 76 Resp: 3113

Ion	Ratio	Lower	Upper
76	100		
78	34.9	25.6	38.4

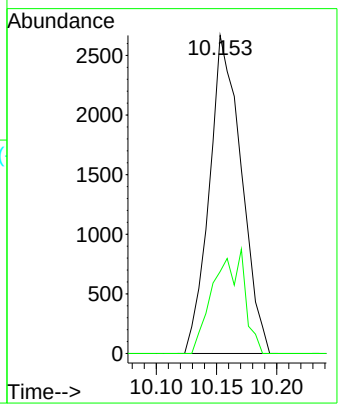




#58
2-Chloroethyl Vinyl ether
Concen: 3.822 ug/l
RT: 10.153 min Scan# 13
Delta R.T. -0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 63 Resp: 4929

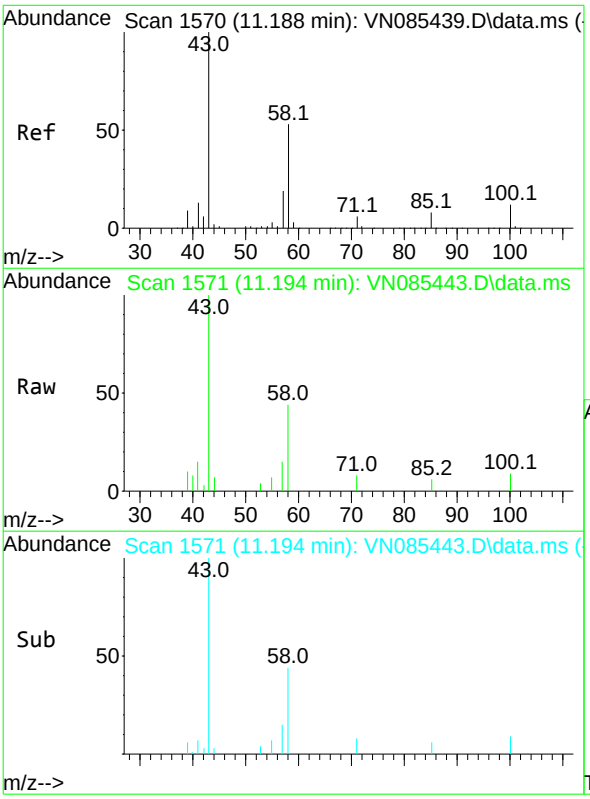
Ion	Ratio	Lower	Upper
63	100		
106	31.7	21.6	32.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

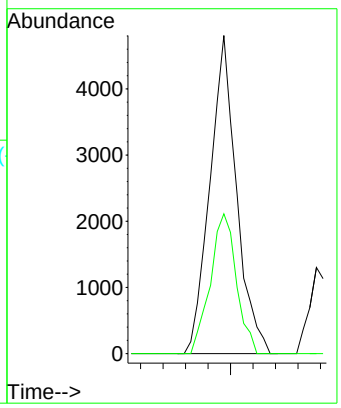
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

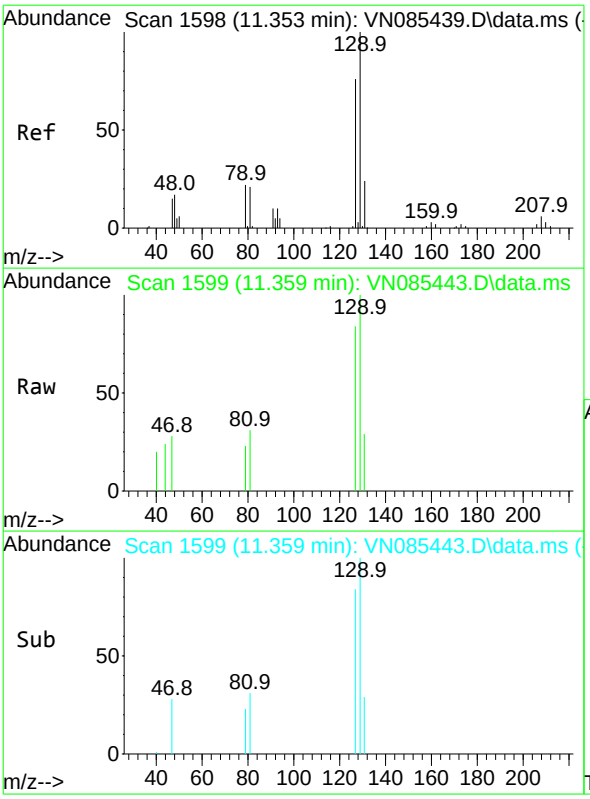


#59
2-Hexanone
Concen: 4.058 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 43 Resp: 7905

Ion	Ratio	Lower	Upper
43	100		
58	42.9	26.2	78.6

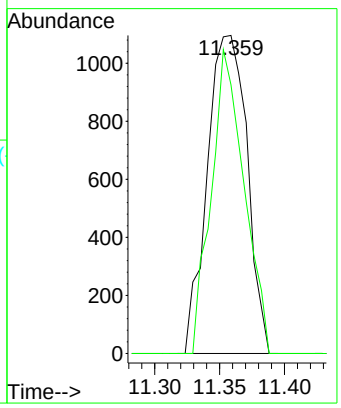




#60
Dibromochloromethane
Concen: 0.953 ug/l
RT: 11.359 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion:129 Resp: 2339

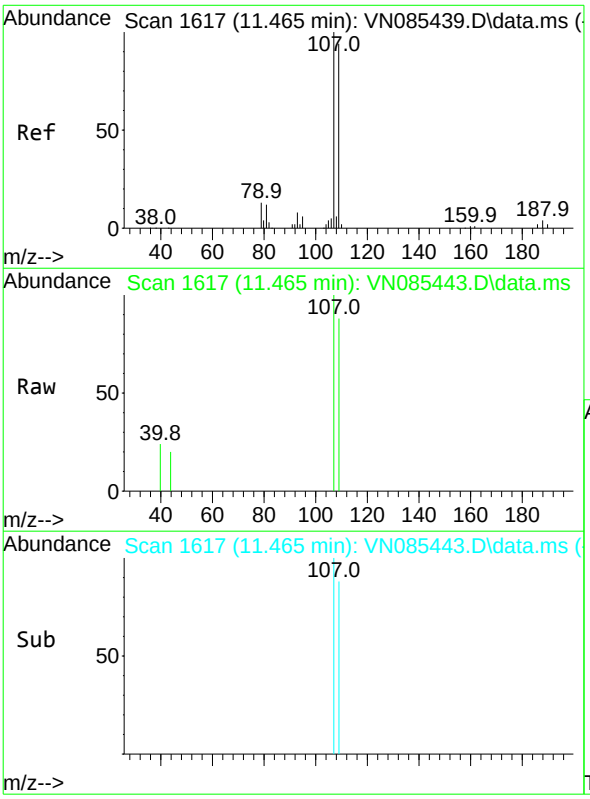
Ion	Ratio	Lower	Upper
129	100		
127	78.9	38.6	115.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

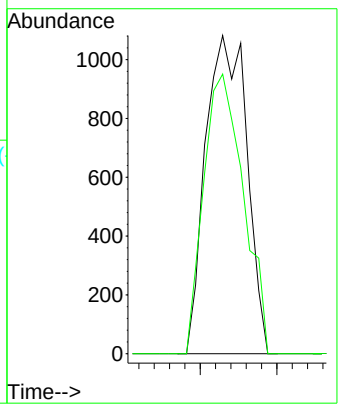
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

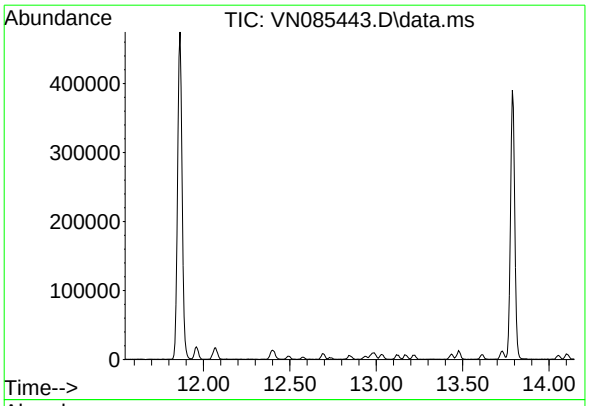


#61
1,2-Dibromoethane
Concen: 1.000 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion:107 Resp: 2022

Ion	Ratio	Lower	Upper
107	100		
109	84.8	75.9	113.9





#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 12.85 min

Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

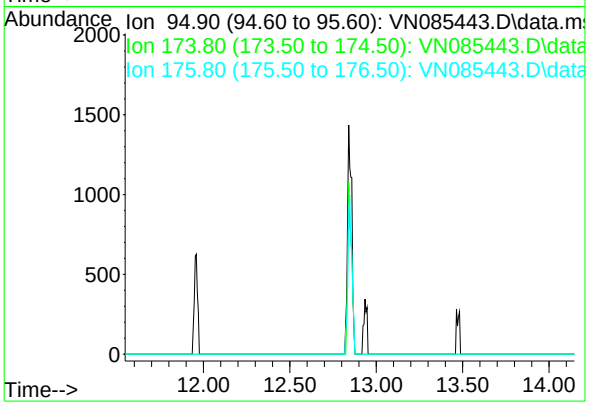
Tgt Ion: 95

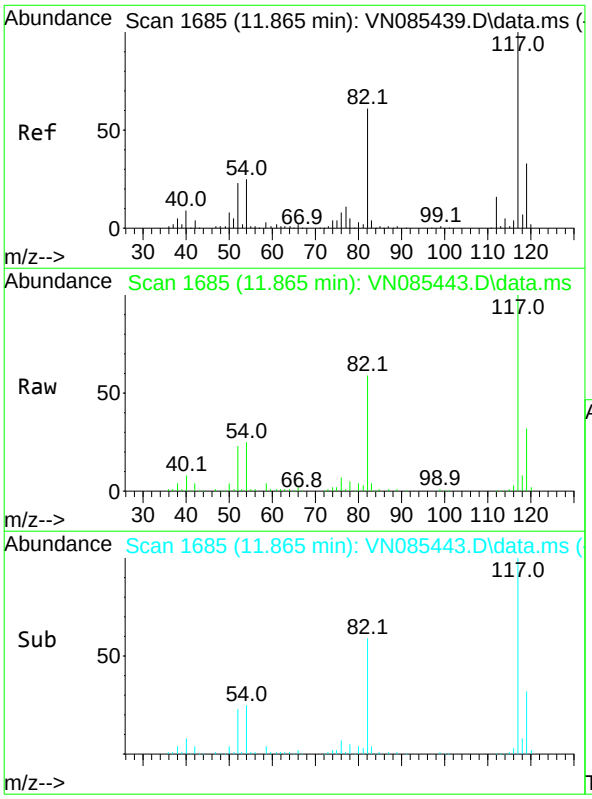
Sig	Exp Ratio
95	100
174	72.5
176	71.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

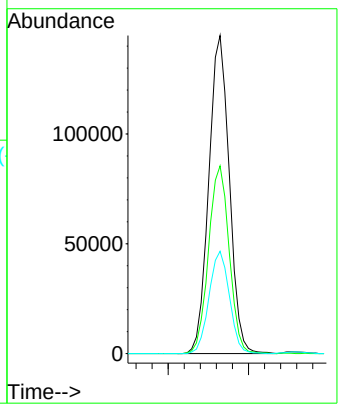


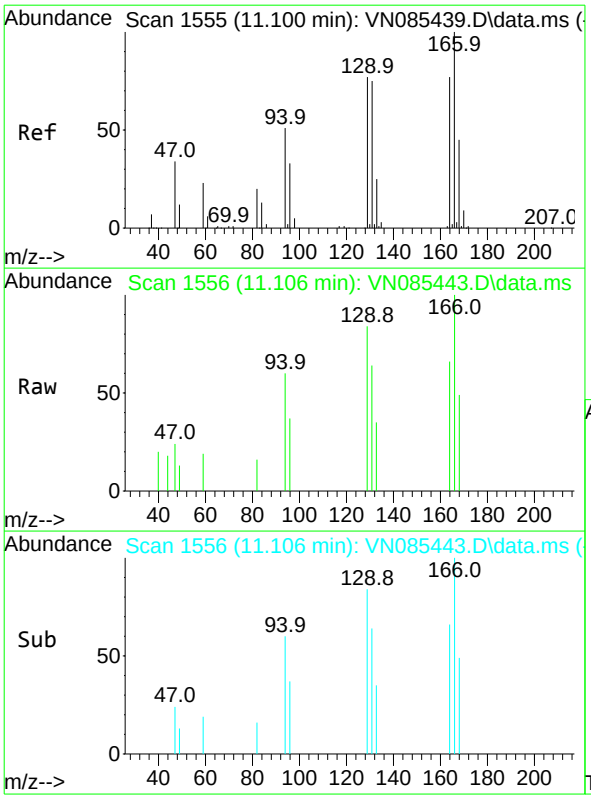


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion:117 Resp: 256851

Ion	Ratio	Lower	Upper
117	100		
82	59.0	48.6	72.8
119	32.2	26.6	39.8

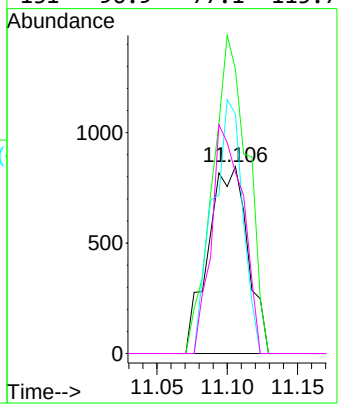




#64
Tetrachloroethene
Concen: 0.947 ug/l
RT: 11.106 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion:164 Resp: 1658

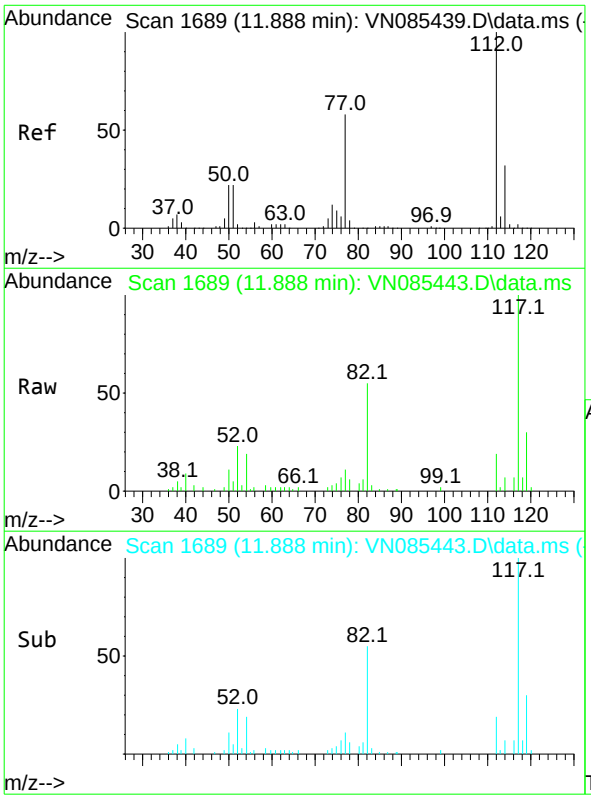
Ion	Ratio	Lower	Upper
164	100		
166	152.1	103.4	155.2
129	128.3	79.2	118.8#
131	96.9	77.1	115.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
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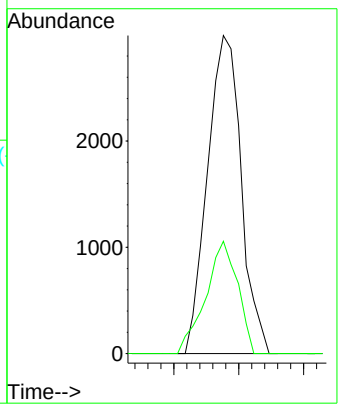
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

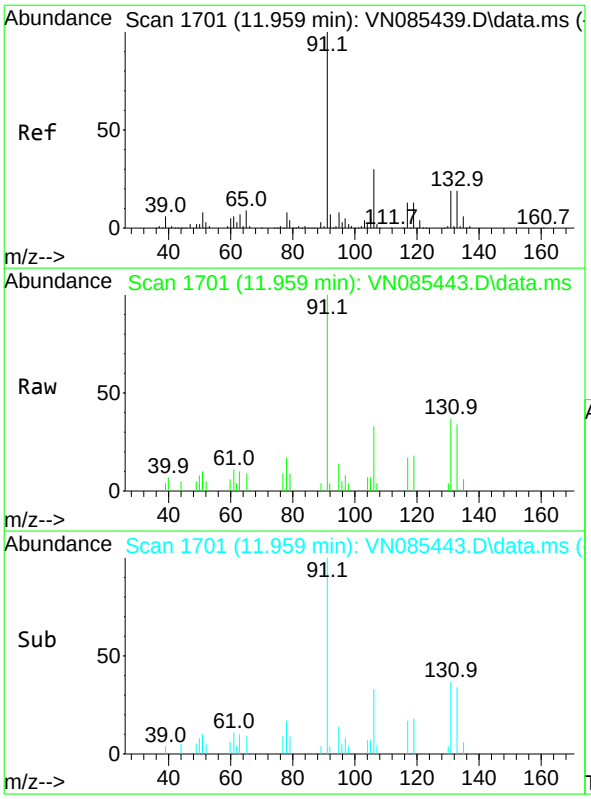


#65
Chlorobenzene
Concen: 0.960 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion:112 Resp: 5401

Ion	Ratio	Lower	Upper
112	100		
114	35.3	25.3	37.9

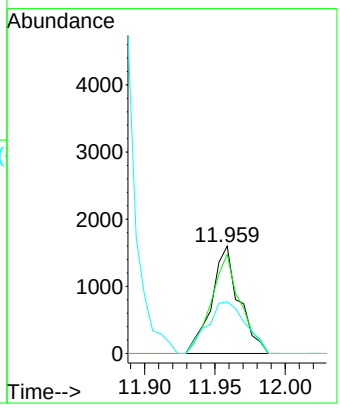




#66
1,1,1,2-Tetrachloroethane
Concen: 1.058 ug/l
RT: 11.959 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion:131 Resp: 2185

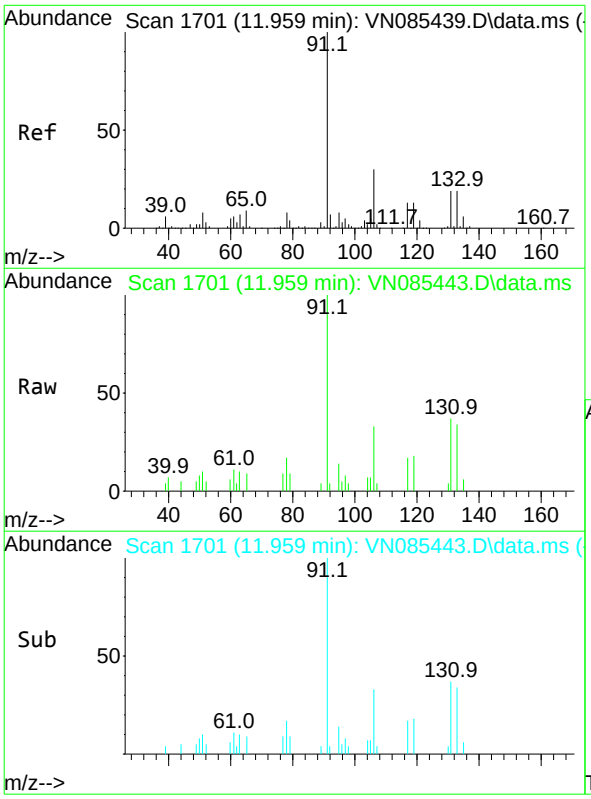
Ion	Ratio	Lower	Upper
131	100		
133	97.7	47.4	142.3
119	0.0	33.1	99.5#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

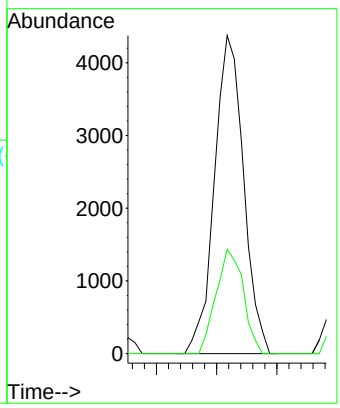
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

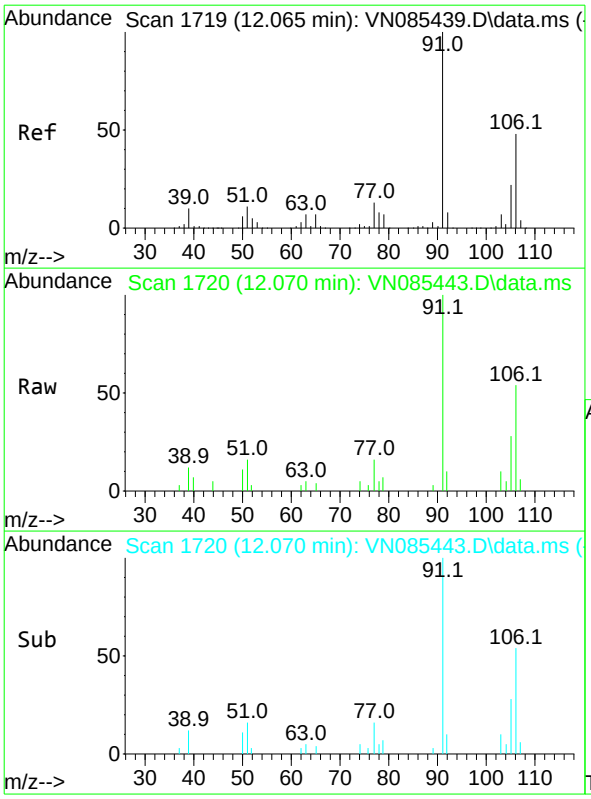


#67
Ethyl Benzene
Concen: 0.802 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 91 Resp: 7347

Ion	Ratio	Lower	Upper
91	100		
106	32.8	23.8	35.8

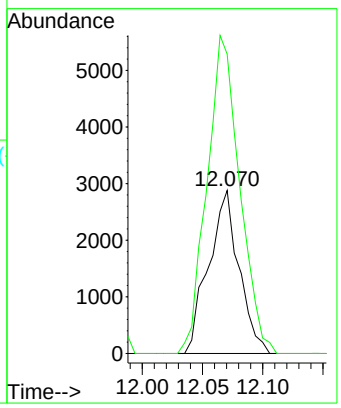




#68
m/p-Xylenes
Concen: 1.494 ug/l
RT: 12.070 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion:106 Resp: 5059

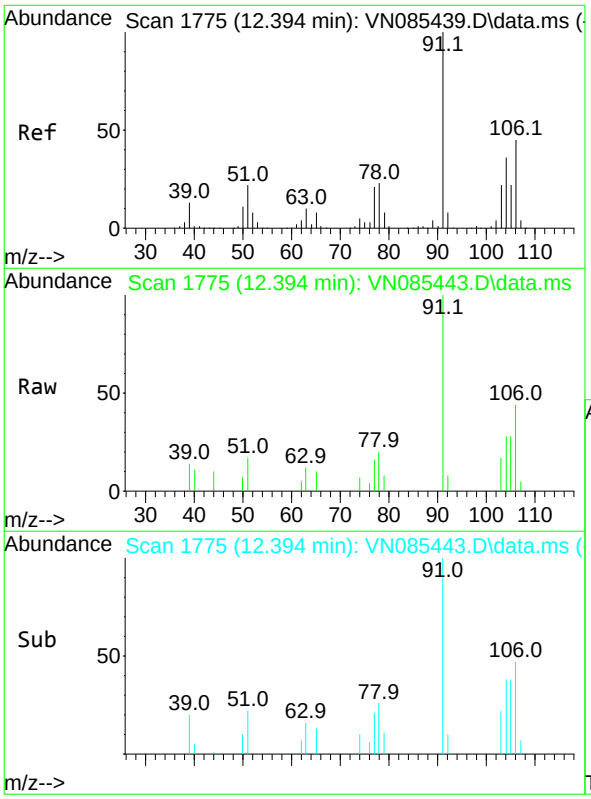
Ion	Ratio	Lower	Upper
106	100		
91	209.3	167.7	251.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

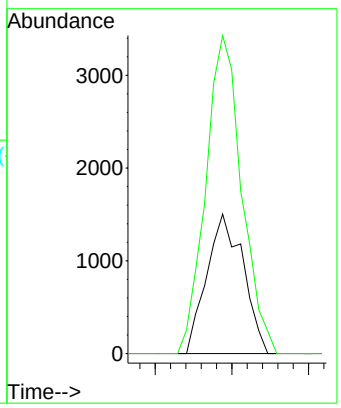
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

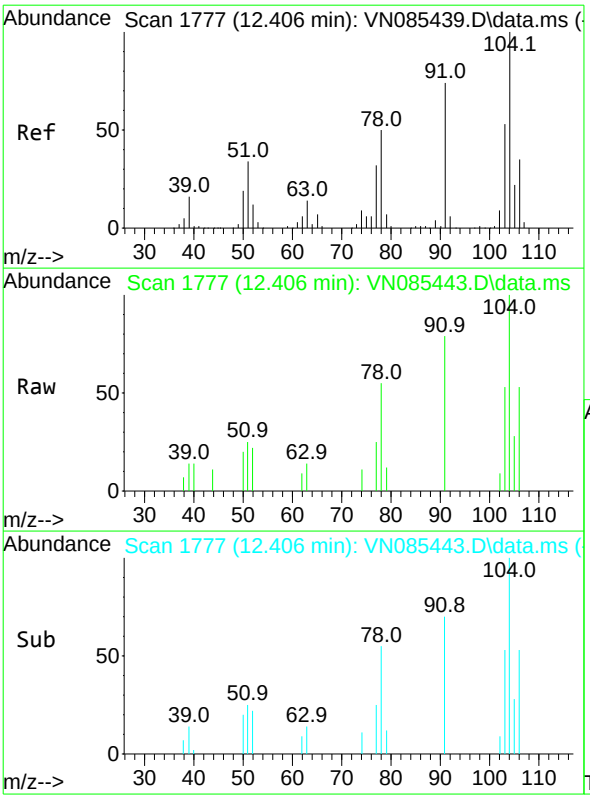


#69
o-Xylene
Concen: 0.766 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion:106 Resp: 2478

Ion	Ratio	Lower	Upper
106	100		
91	225.4	110.4	331.2

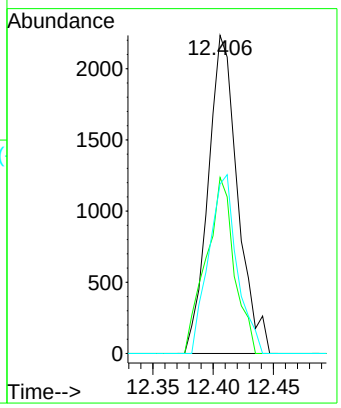




#70
Styrene
Concen: 0.712 ug/l
RT: 12.406 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion:104 Resp: 3812

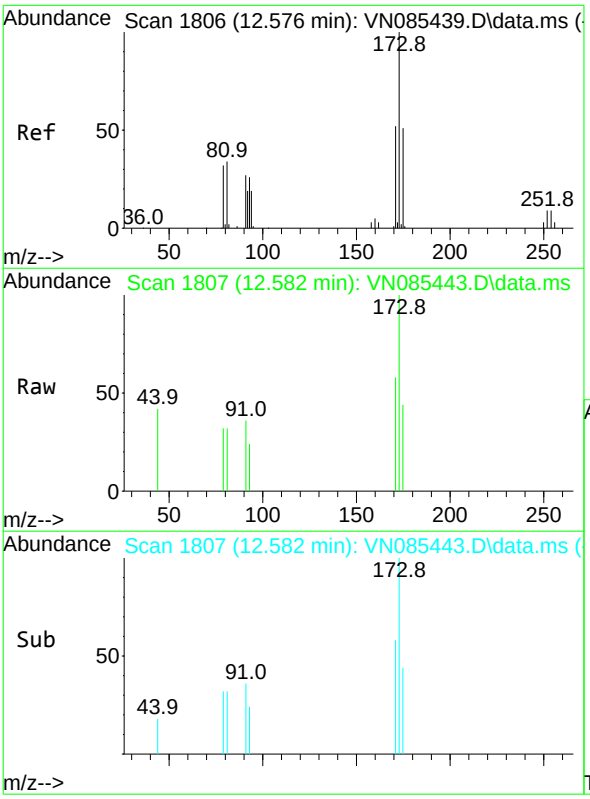
Ion	Ratio	Lower	Upper
104	100		
78	52.9	42.5	63.7
103	53.7	43.8	65.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

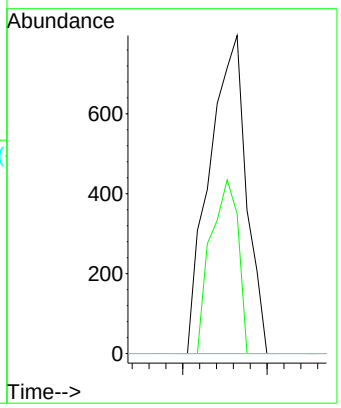
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

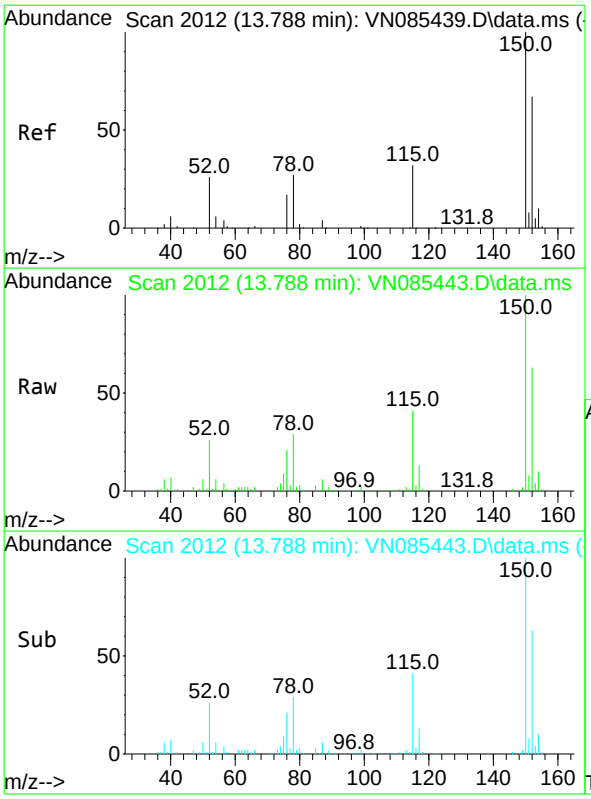


#71
Bromoform
Concen: 0.818 ug/l
RT: 12.582 min Scan# 1807
Delta R.T. 0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion:173 Resp: 1208

Ion	Ratio	Lower	Upper
173	100		
175	40.7	24.4	73.2
254	0.0	0.0	0.0





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

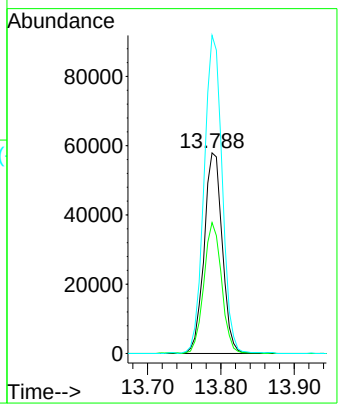
Tgt Ion:152 Resp: 99539

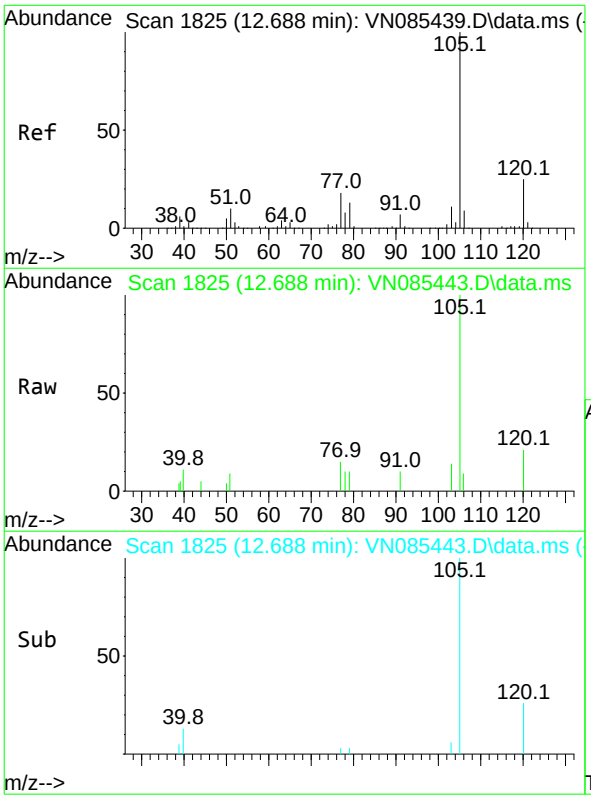
Ion	Ratio	Lower	Upper
152	100		
115	63.8	31.1	93.3
150	158.5	0.0	343.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

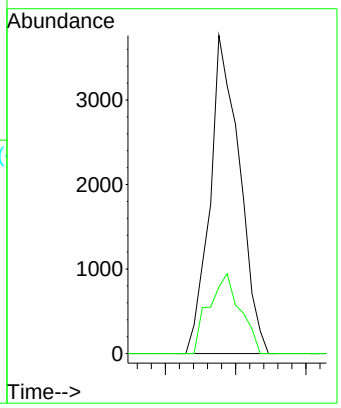


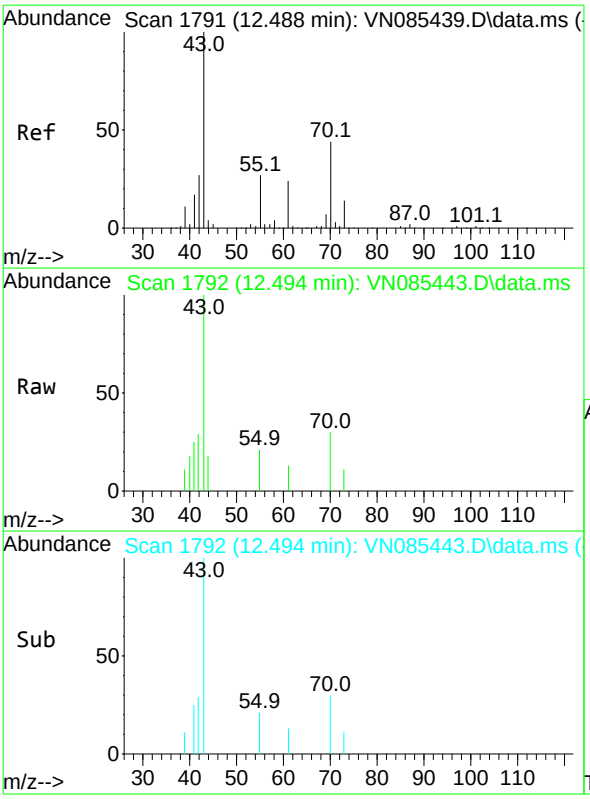


#73
Isopropylbenzene
Concen: 0.820 ug/l
RT: 12.688 min Scan# 1825
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion:105 Resp: 5506

Ion	Ratio	Lower	Upper
105	100		
120	26.7	12.8	38.3

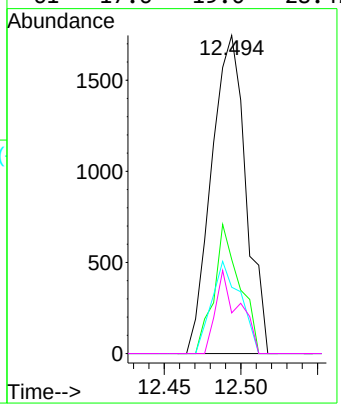




#74
N-amyl acetate
Concen: 0.899 ug/l
RT: 12.494 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 43 Resp: 2716

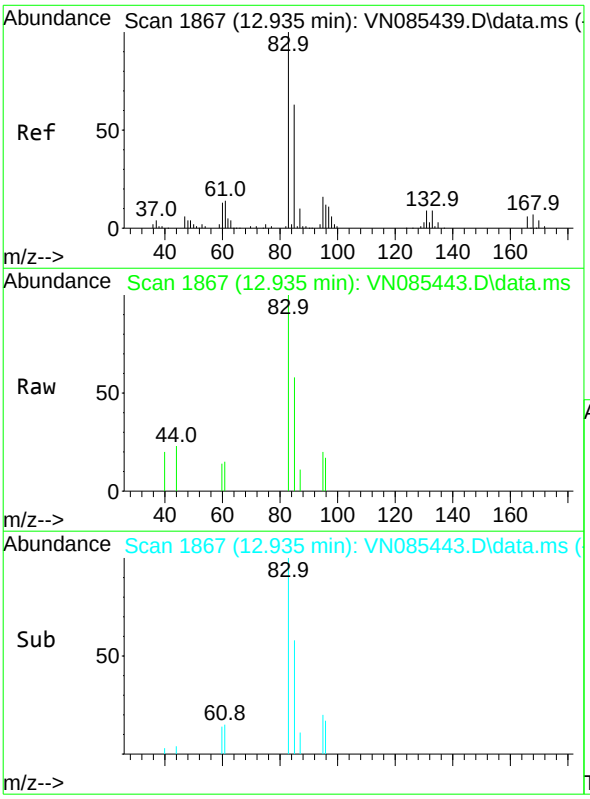
Ion	Ratio	Lower	Upper
43	100		
70	30.4	34.0	51.0#
55	24.2	21.4	32.2
61	17.6	19.0	28.4#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
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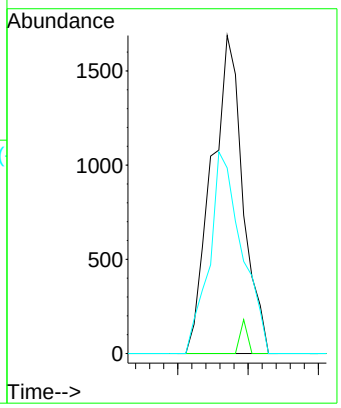
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

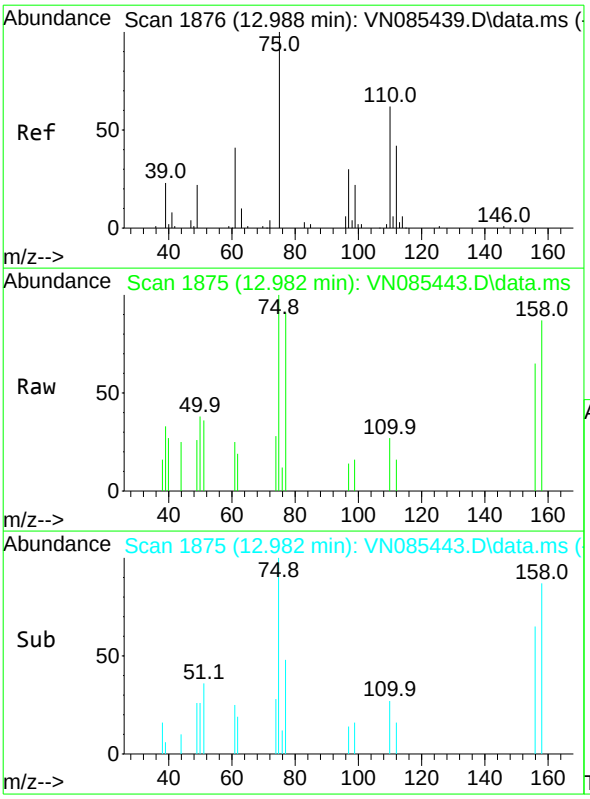


#75
1,1,2,2-Tetrachloroethane
Concen: 1.102 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 83 Resp: 2616

Ion	Ratio	Lower	Upper
83	100		
131	2.4	4.8	14.4#
85	65.7	32.2	96.6

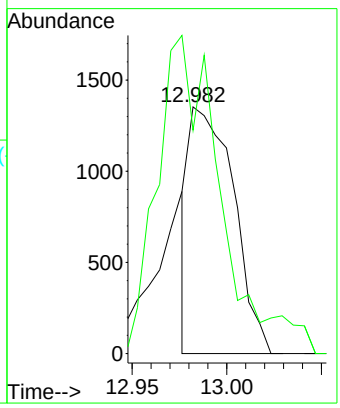




#76
1,2,3-Trichloropropane
Concen: 1.088 ug/l m
RT: 12.982 min Scan# 18
Delta R.T. -0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 75 Resp: 2198

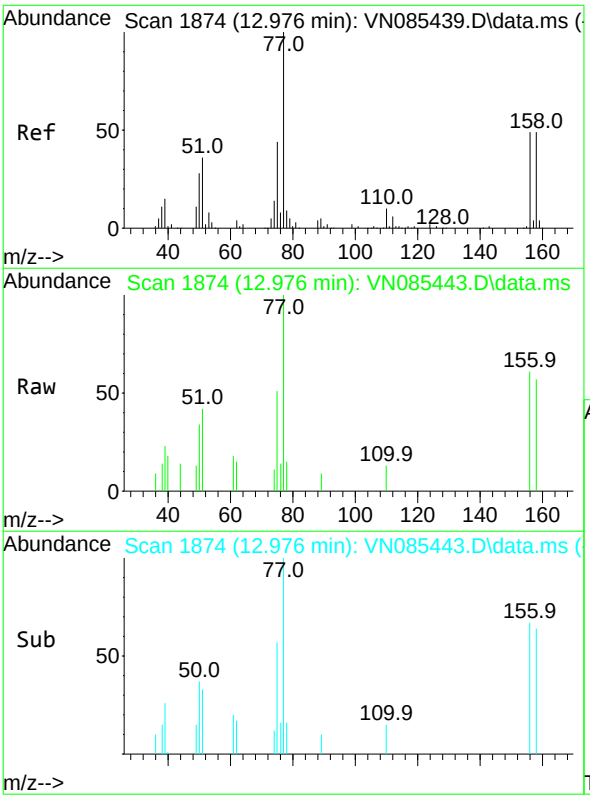
Ion	Ratio	Lower	Upper
75	100		
77	184.2	109.7	329.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

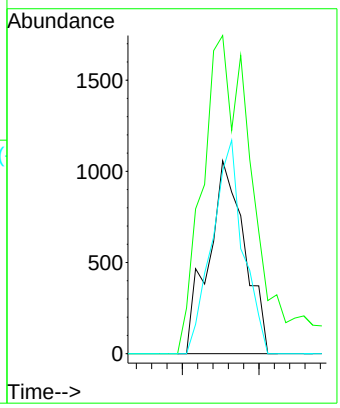
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

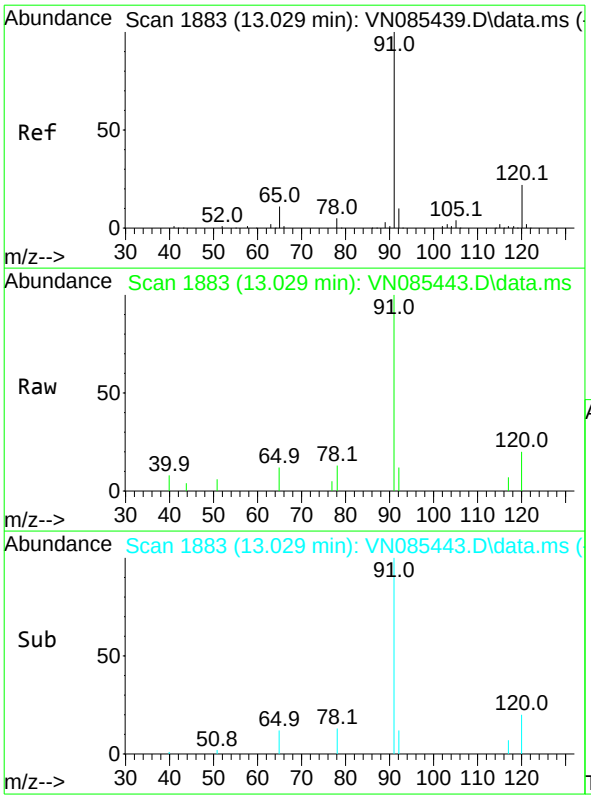


#77
Bromobenzene
Concen: 0.987 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion:156 Resp: 1733

Ion	Ratio	Lower	Upper
156	100		
77	233.6	114.1	342.4
158	94.9	48.9	146.8





#78
n-propylbenzene
Concen: 0.808 ug/l
RT: 13.029 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

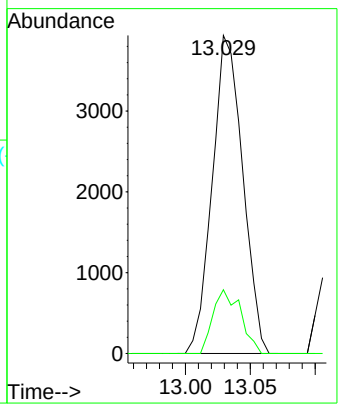
Tgt Ion: 91 Resp: 6424

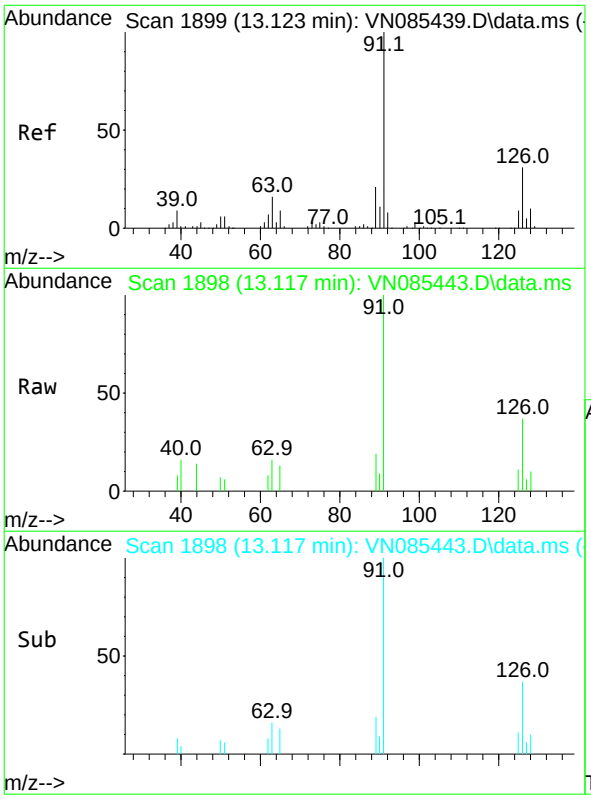
Ion	Ratio	Lower	Upper
91	100		
120	18.2	10.9	32.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
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Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

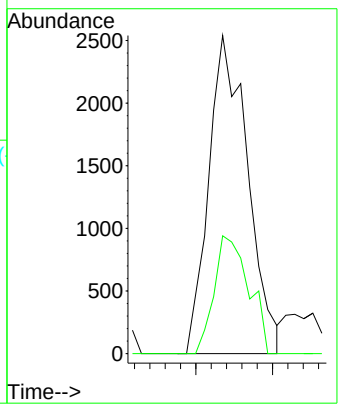


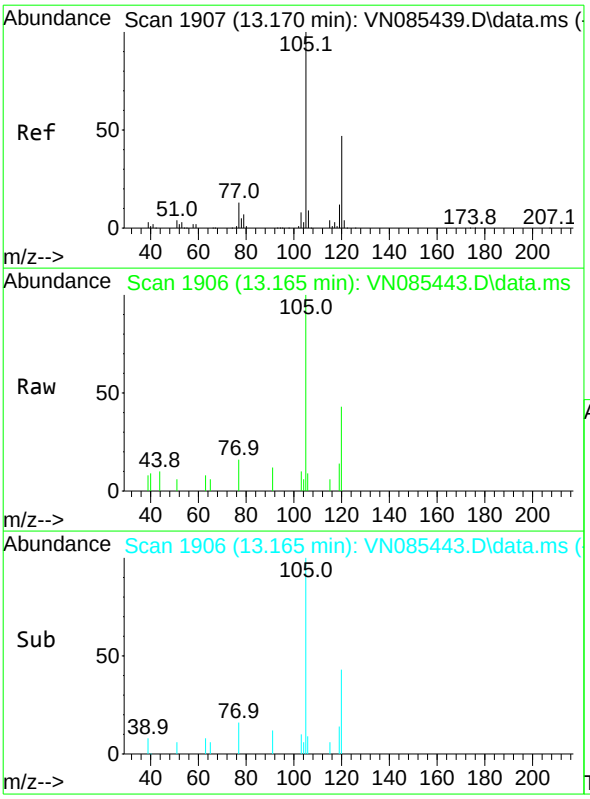


#79
2-Chlorotoluene
Concen: 0.871 ug/l
RT: 13.117 min Scan# 1898
Delta R.T. -0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 91 Resp: 4483

Ion	Ratio	Lower	Upper
91	100		
126	32.9	15.7	47.1

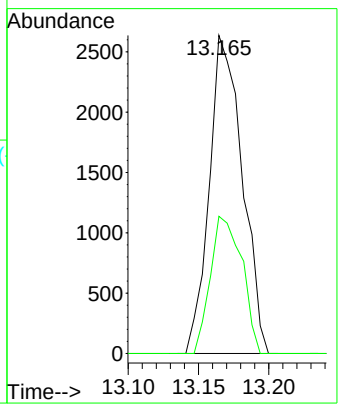




#80
1,3,5-Trimethylbenzene
Concen: 0.775 ug/l
RT: 13.165 min Scan# 19
Delta R.T. -0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion:105 Resp: 4301

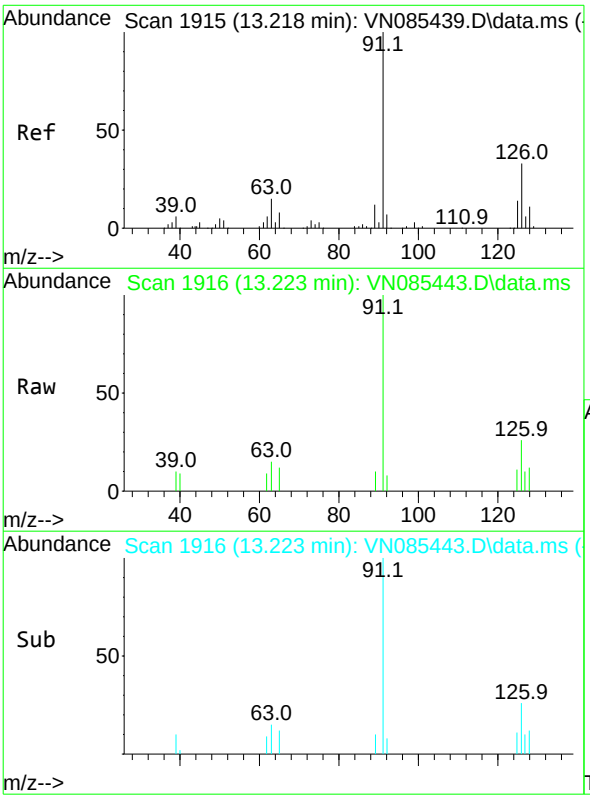
Ion	Ratio	Lower	Upper
105	100		
120	41.2	23.9	71.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
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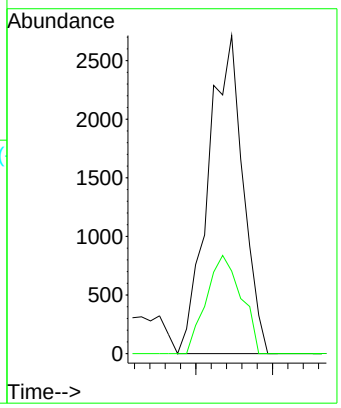
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

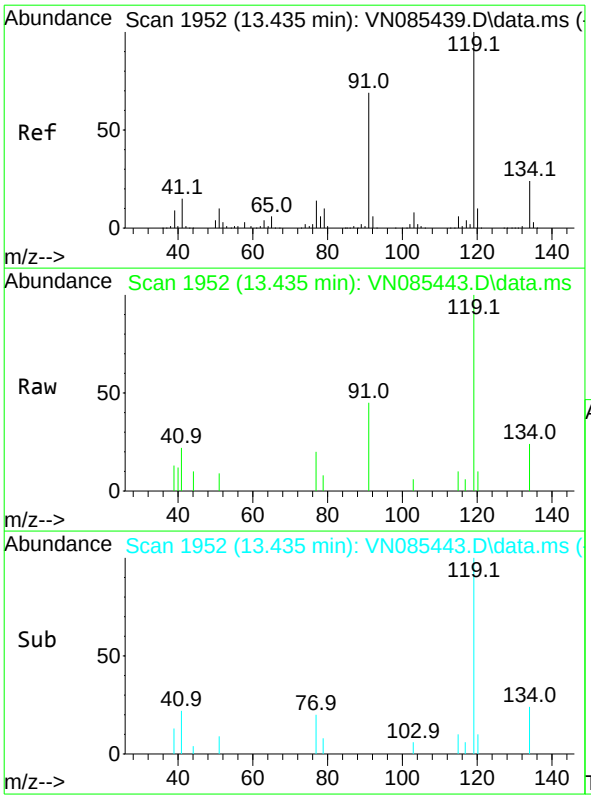


#82
4-Chlorotoluene
Concen: 0.833 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 91 Resp: 4268

Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.9	47.7

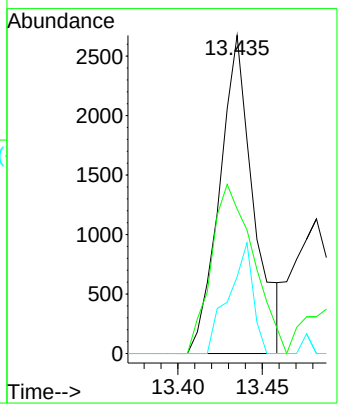




#83
tert-Butylbenzene
Concen: 0.805 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion:119 Resp: 3753

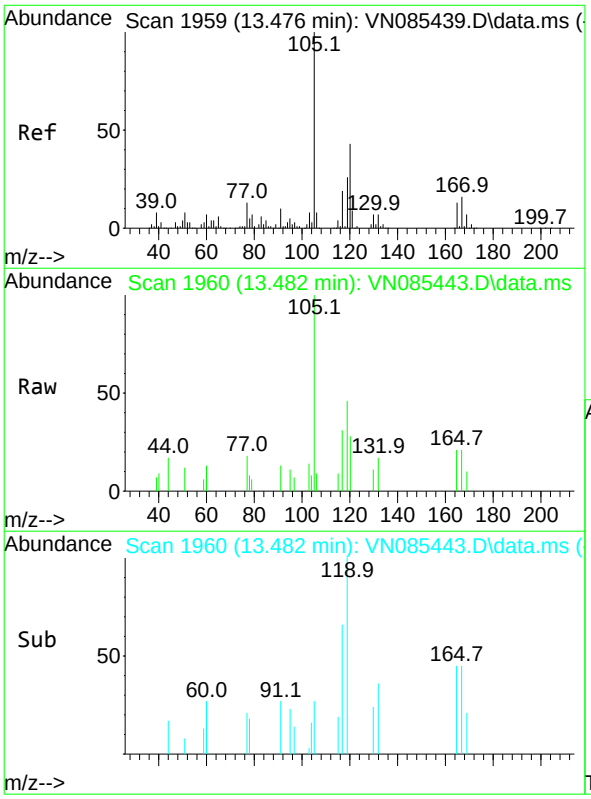
Ion	Ratio	Lower	Upper
119	100		
91	65.9	35.1	105.3
134	24.9	12.0	36.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
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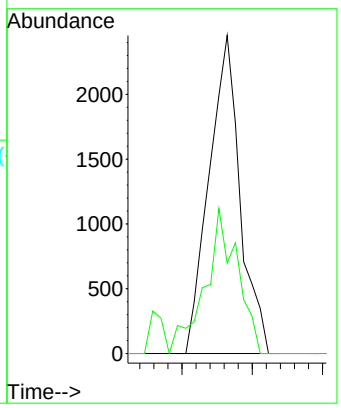
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

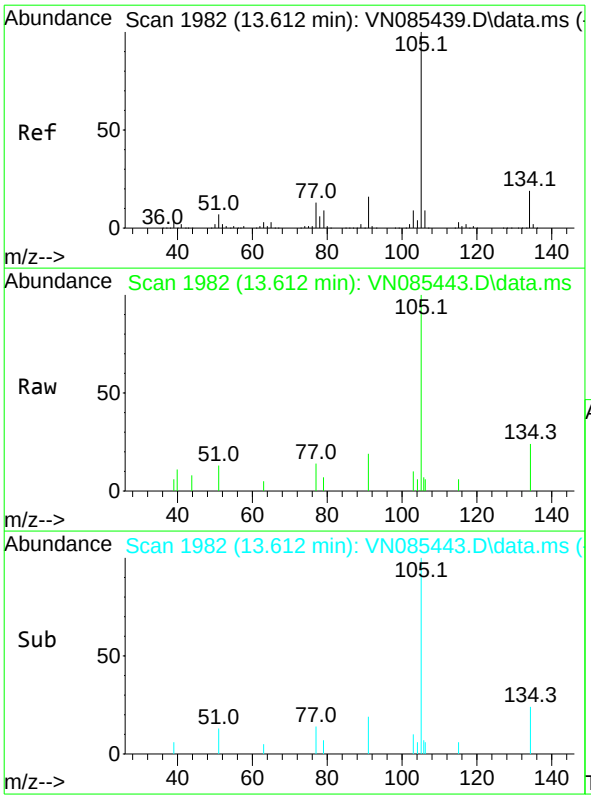


#84
1,2,4-Trimethylbenzene
Concen: 0.679 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion:105 Resp: 3758

Ion	Ratio	Lower	Upper
105	100		
120	47.7	21.6	65.0

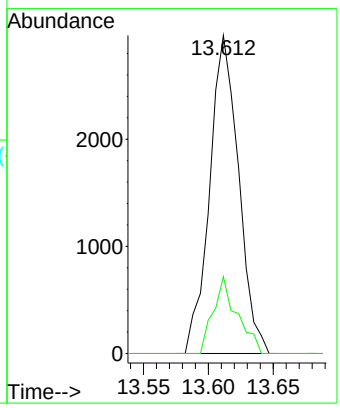




#85
sec-Butylbenzene
Concen: 0.714 ug/l
RT: 13.612 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion:105 Resp: 4614

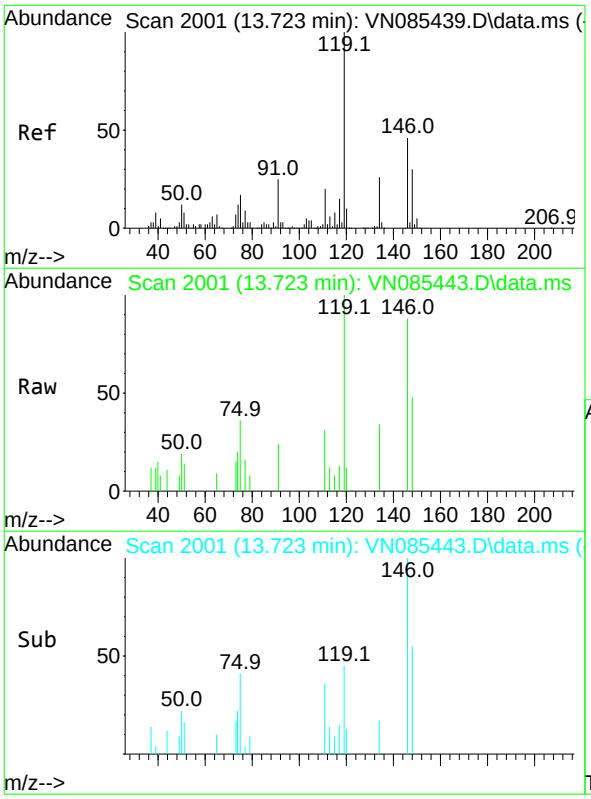
Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.7	28.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

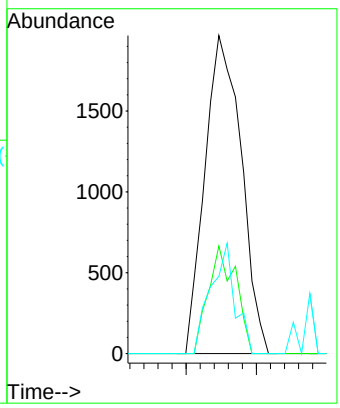
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

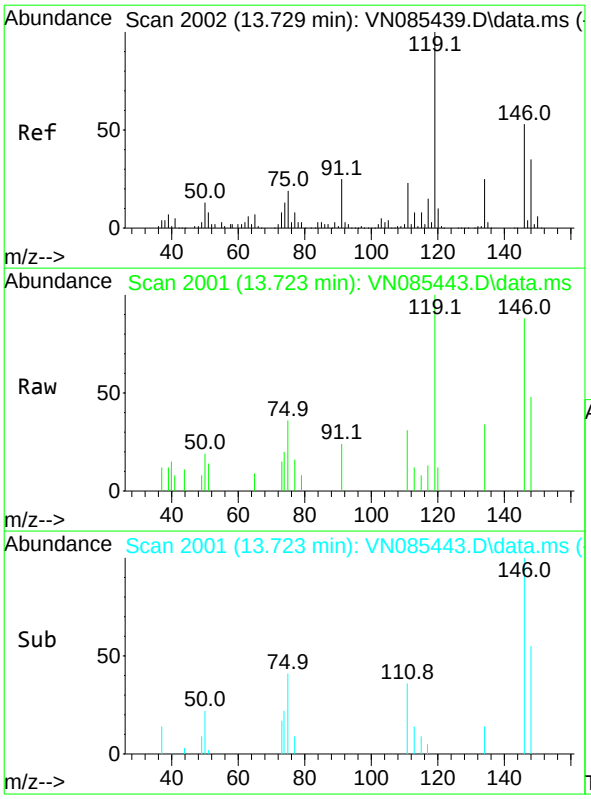


#86
p-Isopropyltoluene
Concen: 0.716 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion:119 Resp: 3538

Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.7	38.0
91	23.2	12.7	38.1

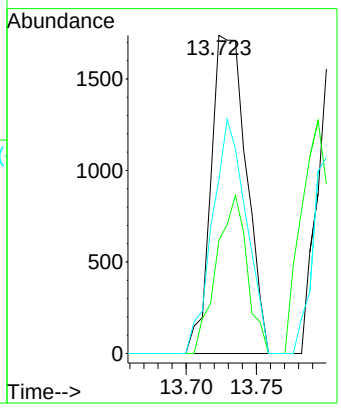




#87
1,3-Dichlorobenzene
Concen: 0.940 ug/l
RT: 13.723 min Scan# 20
Delta R.T. -0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion:146 Resp: 3038

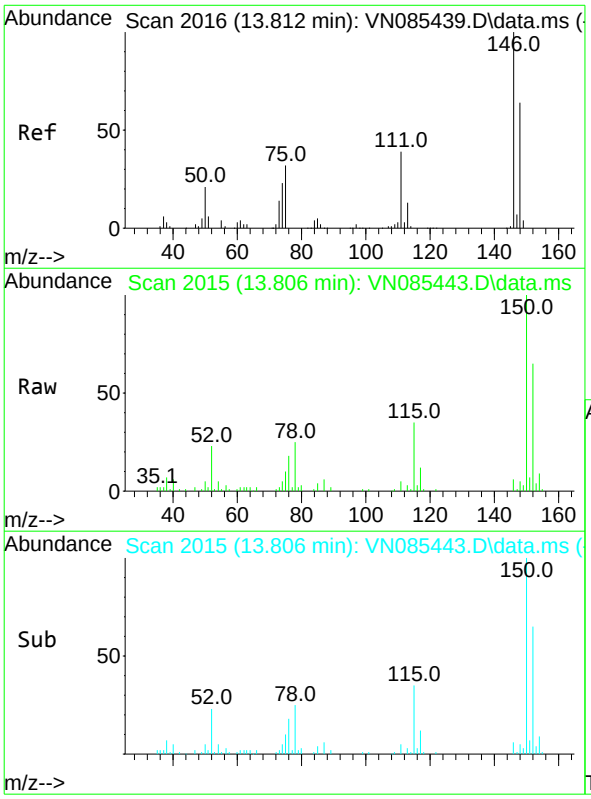
Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.4	64.3
148	70.9	32.3	96.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
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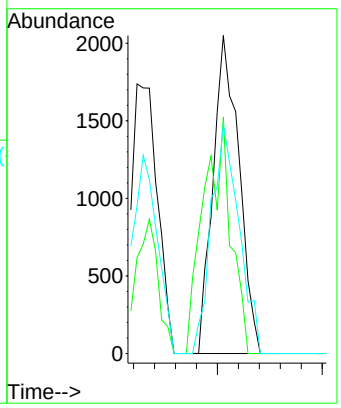
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

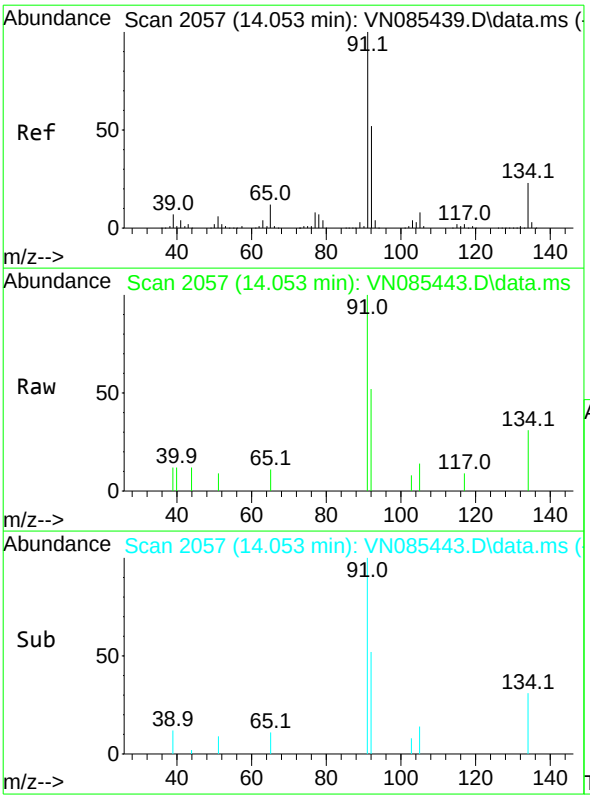


#88
1,4-Dichlorobenzene
Concen: 1.050 ug/l m
RT: 13.806 min Scan# 2015
Delta R.T. -0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion:146 Resp: 3517

Ion	Ratio	Lower	Upper
146	100		
111	37.2	21.3	63.7
148	61.2	32.4	97.0





#89
n-Butylbenzene
Concen: 0.761 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

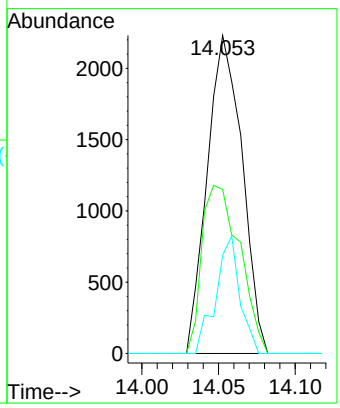
Tgt Ion: 91 Resp: 3527

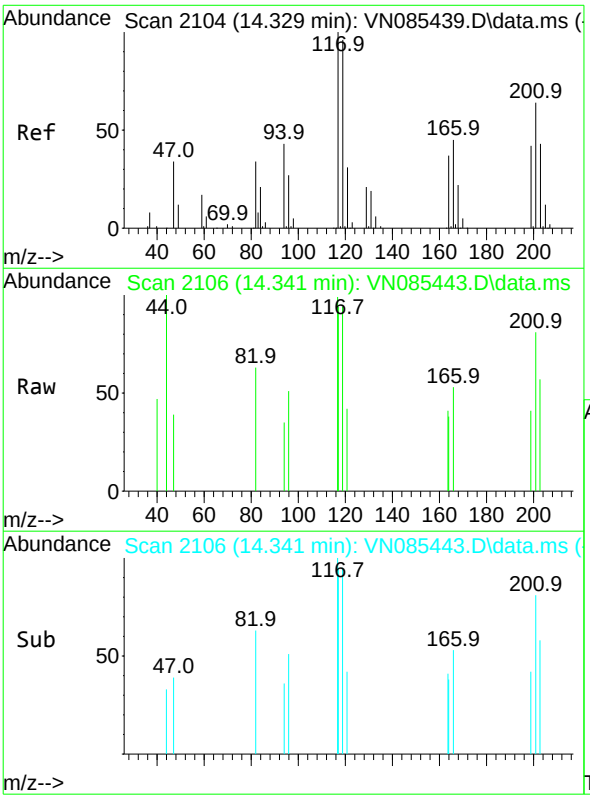
Ion	Ratio	Lower	Upper
91	100		
92	57.2	25.8	77.3
134	25.5	11.7	35.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
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Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

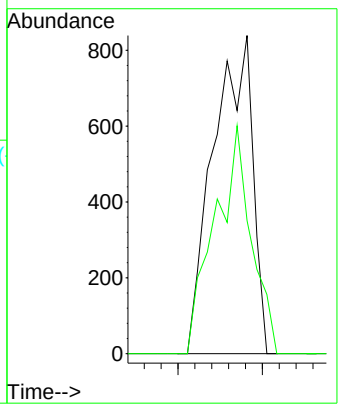


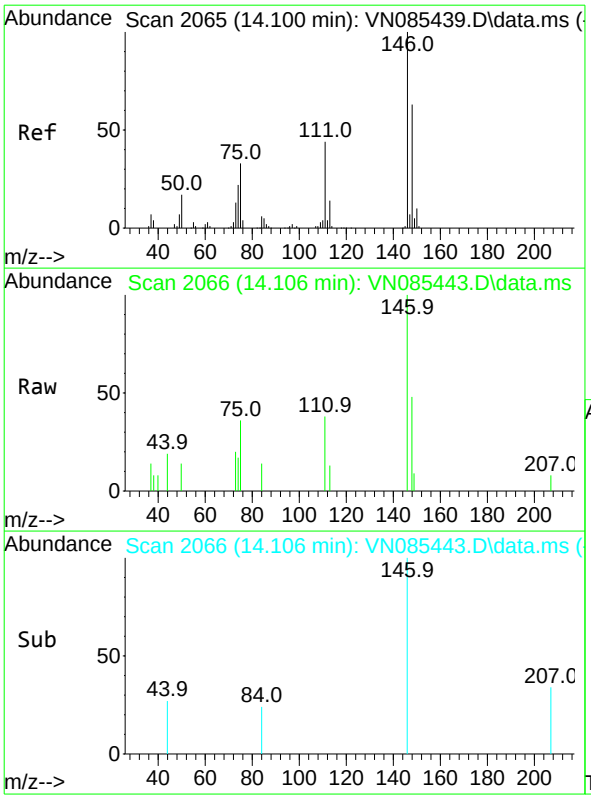


#90
Hexachloroethane
Concen: 1.102 ug/l
RT: 14.341 min Scan# 2106
Delta R.T. 0.012 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion:117 Resp: 1355

Ion	Ratio	Lower	Upper
117	100		
201	66.5	33.7	101.0

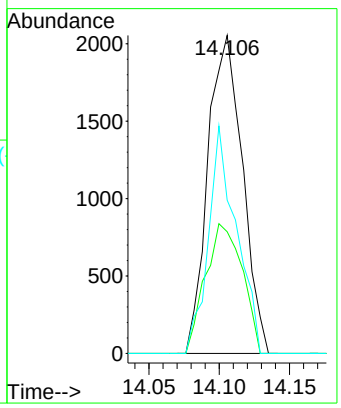




#91
1,2-Dichlorobenzene
Concen: 1.090 ug/l
RT: 14.106 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion:146 Resp: 3515

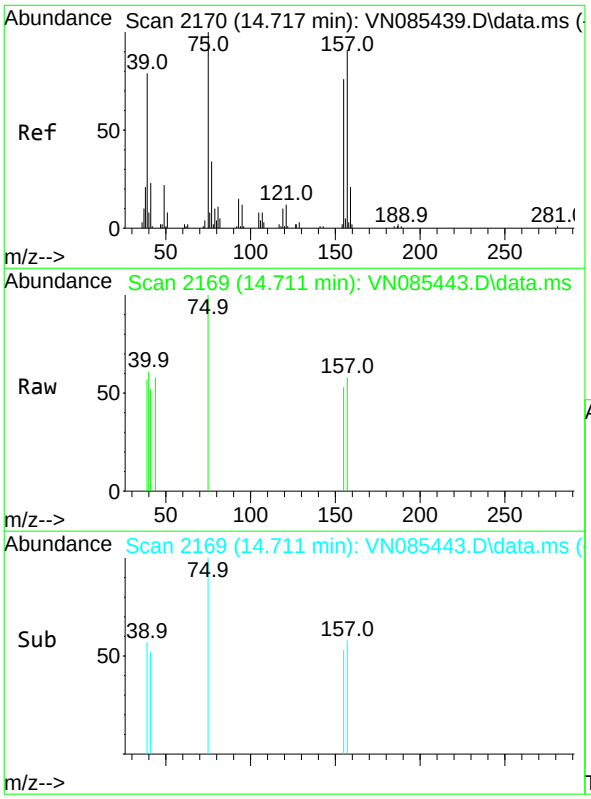
Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.7	65.1
148	57.8	31.4	94.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

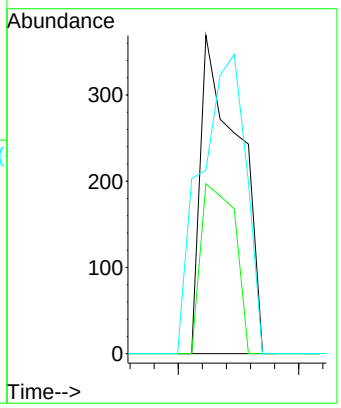
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

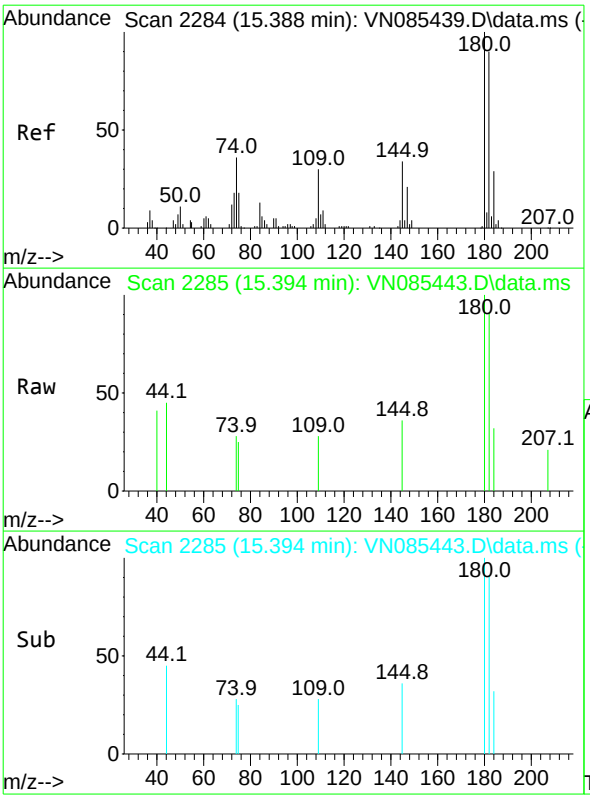


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.928 ug/l
RT: 14.711 min Scan# 2169
Delta R.T. -0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 75 Resp: 402

Ion	Ratio	Lower	Upper
75	100		
155	48.0	36.4	109.2
157	112.7	45.4	136.1

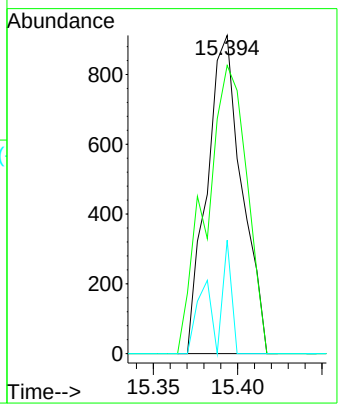




#93
1,2,4-Trichlorobenzene
Concen: 0.874 ug/l
RT: 15.394 min Scan# 22
Delta R.T. 0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion:180 Resp: 1310

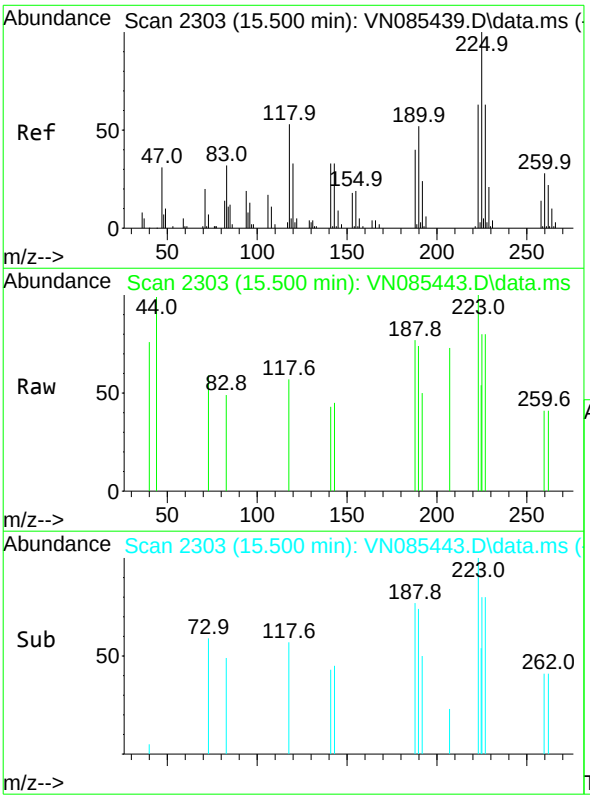
Ion	Ratio	Lower	Upper
180	100		
182	106.3	46.8	140.3
145	9.7	16.0	48.0#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

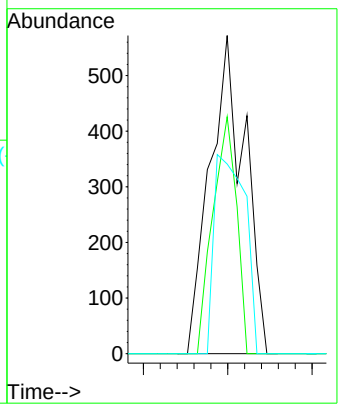
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

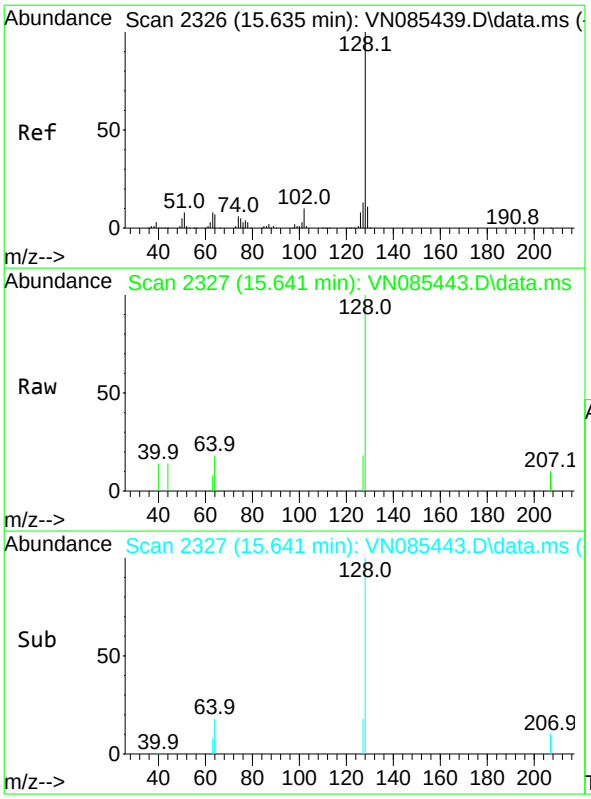


#94
Hexachlorobutadiene
Concen: 1.033 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion:225 Resp: 822

Ion	Ratio	Lower	Upper
225	100		
223	50.7	30.7	92.1
227	55.7	30.9	92.5





#95
Naphthalene
Concen: 0.941 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

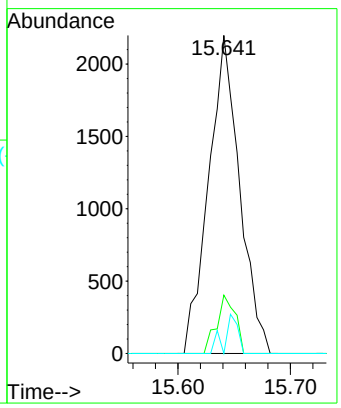
Tgt Ion:128 Resp: 4210

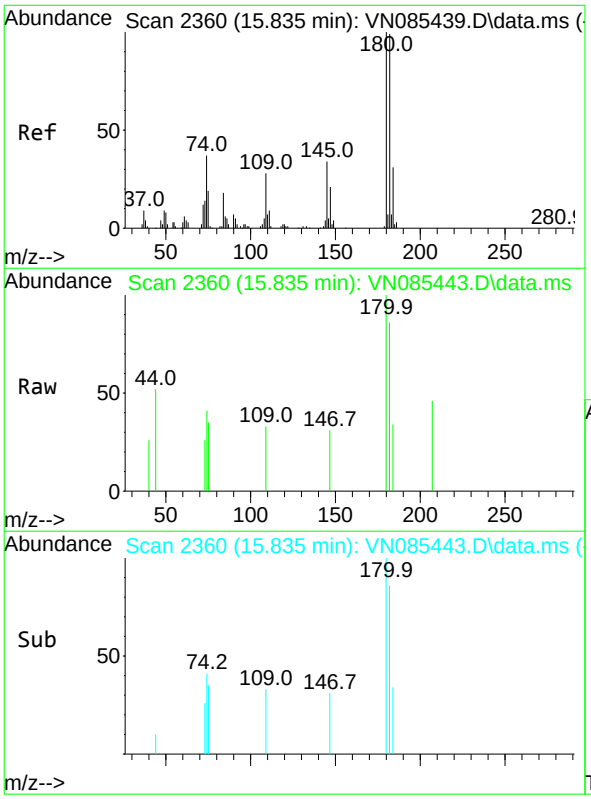
Ion	Ratio	Lower	Upper
128	100		
127	11.1	10.6	16.0
129	5.3	8.8	13.2#

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

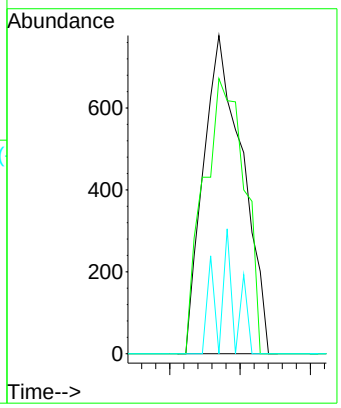




#96
1,2,3-Trichlorobenzene
Concen: 0.985 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion:180 Resp: 1494

Ion	Ratio	Lower	Upper
180	100		
182	90.2	47.4	142.2
145	11.8	16.9	50.7#



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085445.D
Acq On : 14 Jan 2025 18:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 15 02:20:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	219757	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	370487	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	320948	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	158525	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	176594	49.782	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.560%			
35) Dibromofluoromethane	8.165	113	130487	50.768	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.540%			
50) Toluene-d8	10.565	98	477630	52.302	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.600%			
62) 4-Bromofluorobenzene	12.847	95	165249	52.899	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.800%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	130242	43.772	ug/l	100
3) Chloromethane	2.360	50	138152	42.883	ug/l	99
4) Vinyl Chloride	2.513	62	138316	42.715	ug/l	99
5) Bromomethane	2.954	94	80019	40.910	ug/l	91
6) Chloroethane	3.124	64	86837	42.299	ug/l	99
7) Trichlorofluoromethane	3.501	101	206526	43.956	ug/l	99
8) Diethyl Ether	3.959	74	69545	42.846	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	118310	44.706	ug/l	98
10) Methyl Iodide	4.595	142	140190	46.259	ug/l	98
11) Tert butyl alcohol	5.518	59	83933	206.633	ug/l	99
12) 1,1-Dichloroethene	4.342	96	106880	45.317	ug/l	98
13) Acrolein	4.177	56	135720	244.765	ug/l	99
14) Allyl chloride	5.024	41	170308	44.501	ug/l	99
15) Acrylonitrile	5.712	53	294062	227.920	ug/l	99
16) Acetone	4.418	43	245248	213.971	ug/l	98
17) Carbon Disulfide	4.712	76	300215	41.342	ug/l	100
18) Methyl Acetate	5.018	43	156938	45.028	ug/l	100
19) Methyl tert-butyl Ether	5.795	73	365819	47.768	ug/l	100
20) Methylene Chloride	5.271	84	122059	43.017	ug/l	98
21) trans-1,2-Dichloroethene	5.783	96	112597	44.672	ug/l	93
22) Diisopropyl ether	6.665	45	399206	46.996	ug/l	99
23) Vinyl Acetate	6.601	43	1471068	247.459	ug/l	100
24) 1,1-Dichloroethane	6.571	63	228489	44.114	ug/l	98
25) 2-Butanone	7.477	43	386125	228.924	ug/l	100
26) 2,2-Dichloropropane	7.489	77	199303	47.593	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	134920	45.446	ug/l	98
28) Bromochloromethane	7.812	49	106323	44.122	ug/l	100
29) Tetrahydrofuran	7.836	42	255650	239.065	ug/l	99
30) Chloroform	7.965	83	235923	44.071	ug/l	98
31) Cyclohexane	8.253	56	193034	42.878	ug/l	93
32) 1,1,1-Trichloroethane	8.165	97	208172	44.332	ug/l	99
36) 1,1-Dichloropropene	8.365	75	161834	44.863	ug/l	98
37) Ethyl Acetate	7.559	43	160656	44.123	ug/l	97
38) Carbon Tetrachloride	8.359	117	183592	44.456	ug/l	99
39) Methylcyclohexane	9.600	83	168431	49.687	ug/l	98
40) Benzene	8.600	78	494871	45.657	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085445.D
Acq On : 14 Jan 2025 18:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 15 02:20:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.777	41	89326	47.155 ug/l		99
42) 1,2-Dichloroethane	8.665	62	185663	45.481 ug/l		100
43) Isopropyl Acetate	8.683	43	265107	45.440 ug/l		99
44) Trichloroethene	9.347	130	110058	43.622 ug/l		96
45) 1,2-Dichloropropane	9.618	63	123876	44.744 ug/l		97
46) Dibromomethane	9.700	93	88325	44.214 ug/l		98
47) Bromodichloromethane	9.889	83	185808	45.655 ug/l		99
48) Methyl methacrylate	9.677	41	131142	49.948 ug/l		97
49) 1,4-Dioxane	9.689	88	35051	792.760 ug/l		98
51) 4-Methyl-2-Pentanone	10.441	43	832426	245.877 ug/l		99
52) Toluene	10.630	92	301911	48.073 ug/l		99
53) t-1,3-Dichloropropene	10.830	75	183680	47.757 ug/l		94
54) cis-1,3-Dichloropropene	10.312	75	196307	47.783 ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	114757	46.173 ug/l		97
56) Ethyl methacrylate	10.871	69	182170	43.762 ug/l		98
57) 1,3-Dichloropropane	11.159	76	202583	46.877 ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	403949	256.116 ug/l		99
59) 2-Hexanone	11.194	43	598433	251.213 ug/l		100
60) Dibromochloromethane	11.353	129	137831	45.935 ug/l		99
61) 1,2-Dibromoethane	11.465	107	110926	44.837 ug/l		100
64) Tetrachloroethene	11.100	164	98211	44.886 ug/l		96
65) Chlorobenzene	11.888	112	322723	45.901 ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	115379	44.712 ug/l		99
67) Ethyl Benzene	11.959	91	577059	50.391 ug/l		97
68) m/p-Xylenes	12.071	106	437367	103.341 ug/l		100
69) o-Xylene	12.394	106	210698	52.093 ug/l		99
70) Styrene	12.406	104	355459	53.103 ug/l		100
71) Bromoform	12.577	173	90693	49.119 ug/l	#	100
73) Isopropylbenzene	12.694	105	534428	49.951 ug/l		99
74) N-amyl acetate	12.488	43	234342	48.730 ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.935	83	164882	43.627 ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	134976m	41.891 ug/l		
77) Bromobenzene	12.977	156	128968	46.138 ug/l		97
78) n-propylbenzene	13.029	91	645977	51.001 ug/l		100
79) 2-Chlorotoluene	13.124	91	392404	47.870 ug/l		99
80) 1,3,5-Trimethylbenzene	13.171	105	456048	51.604 ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	58623m	49.226 ug/l		
82) 4-Chlorotoluene	13.218	91	398110	48.776 ug/l		100
83) tert-Butylbenzene	13.435	119	378478	50.997 ug/l		98
84) 1,2,4-Trimethylbenzene	13.477	105	457340	51.922 ug/l		100
85) sec-Butylbenzene	13.612	105	532578	51.777 ug/l		100
86) p-Isopropyltoluene	13.729	119	440284	47.795 ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	236387	45.920 ug/l		99
88) 1,4-Dichlorobenzene	13.806	146	235319	44.102 ug/l		99
89) n-Butylbenzene	14.053	91	373227	50.578 ug/l		99
90) Hexachloroethane	14.329	117	88538	45.215 ug/l		100
91) 1,2-Dichlorobenzene	14.100	146	231646	45.113 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.718	75	31899	46.221 ug/l		97
93) 1,2,4-Trichlorobenzene	15.388	180	109157	45.739 ug/l		98
94) Hexachlorobutadiene	15.500	225	53358	42.112 ug/l		99
95) Naphthalene	15.641	128	335535	47.116 ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	107583	44.551 ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085445.D
Acq On : 14 Jan 2025 18:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Quant Time: Jan 15 02:20:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

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

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

ICAL Form

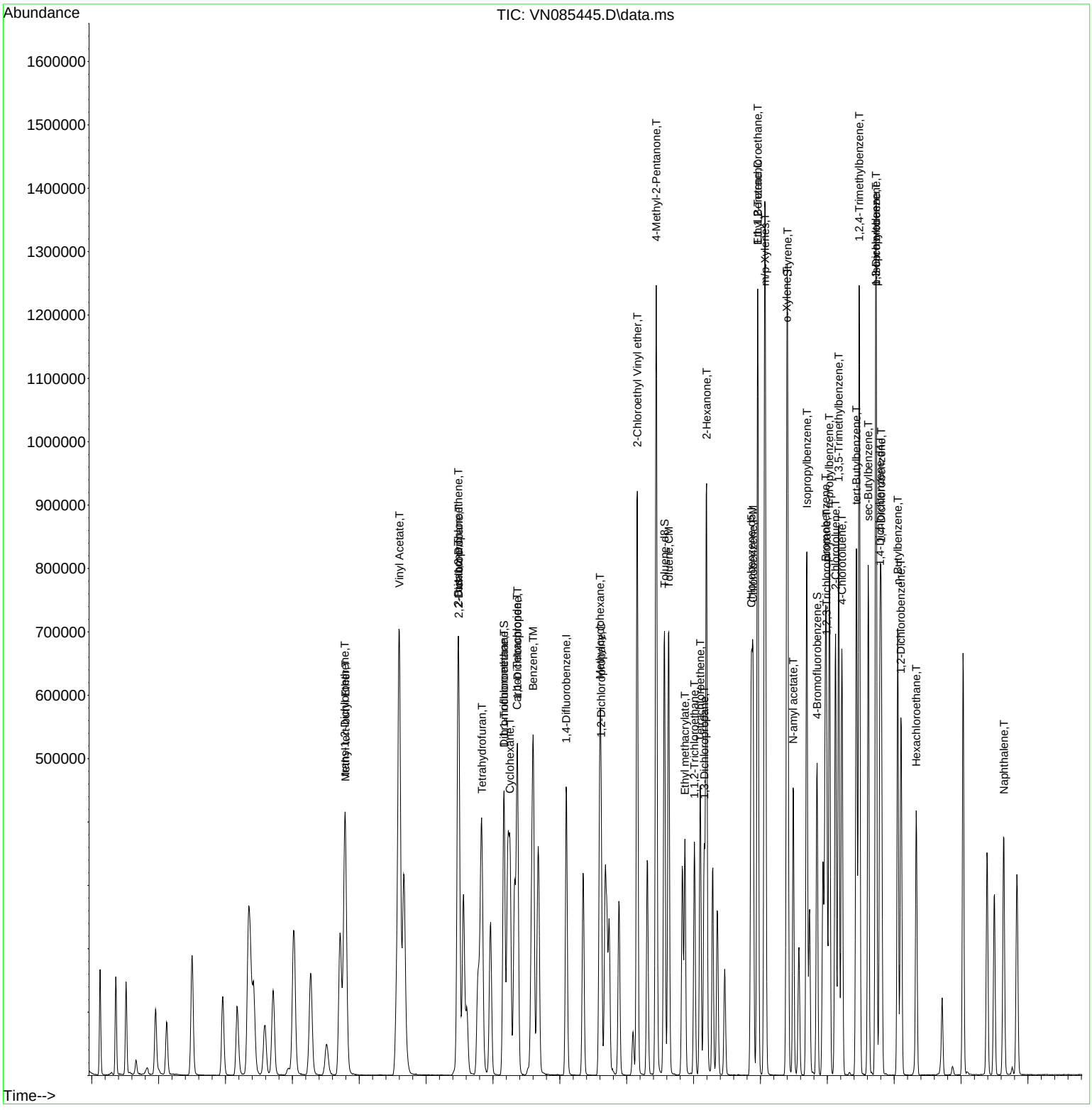
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Data File : VN085445.D
Acq On : 14 Jan 2025 18:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

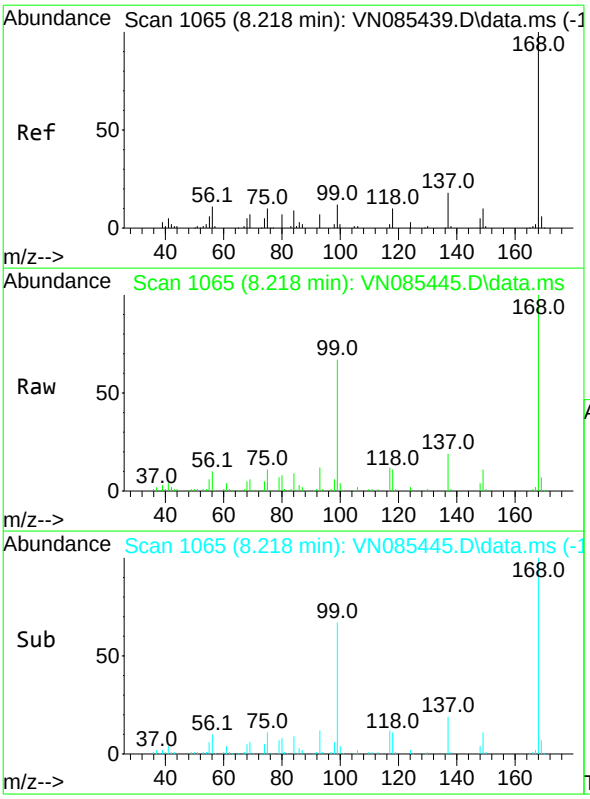
Quant Time: Jan 15 02:20:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

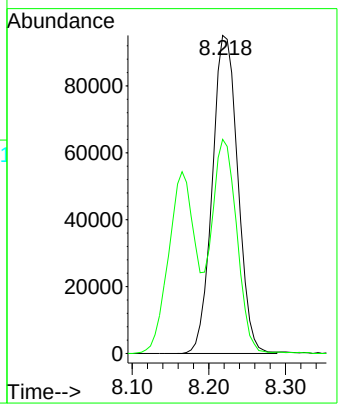




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion:168 Resp: 219757

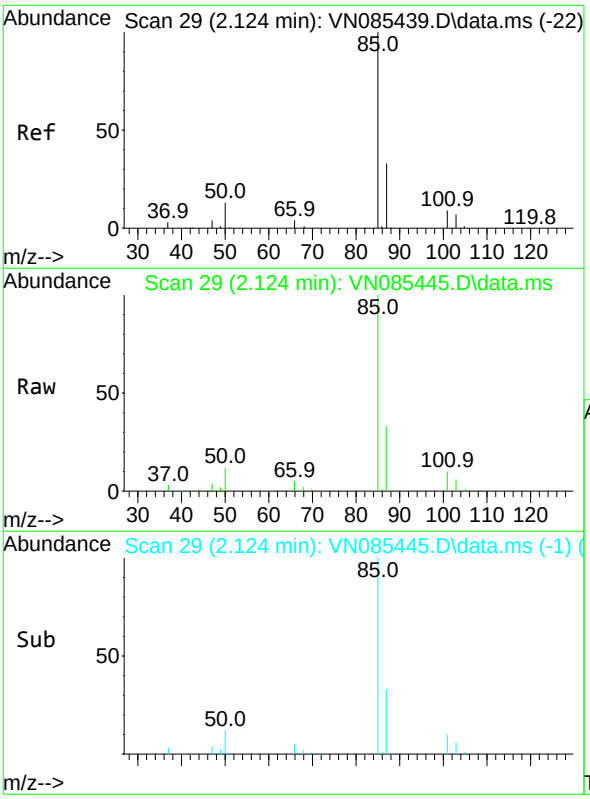
Ion	Ratio	Lower	Upper
168	100		
99	66.9	53.6	80.4



Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Manual Integrations
APPROVED

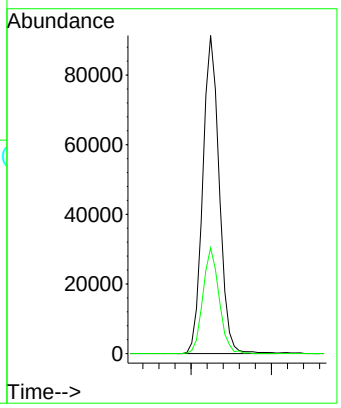
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

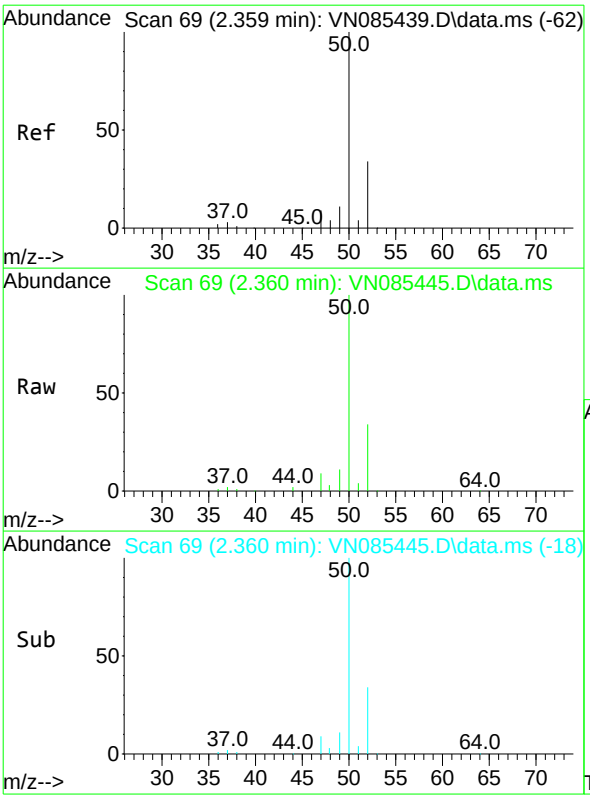


#2
Dichlorodifluoromethane
Concen: 43.772 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 85 Resp: 130242

Ion	Ratio	Lower	Upper
85	100		
87	33.2	16.7	50.1

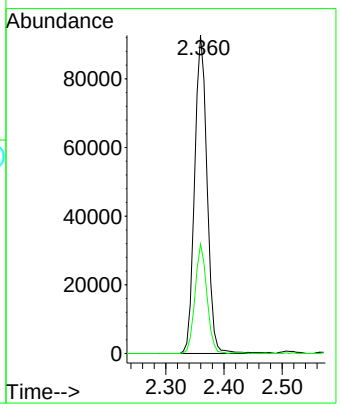




#3
Chloromethane
Concen: 42.883 ug/l
RT: 2.360 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 50 Resp: 138152

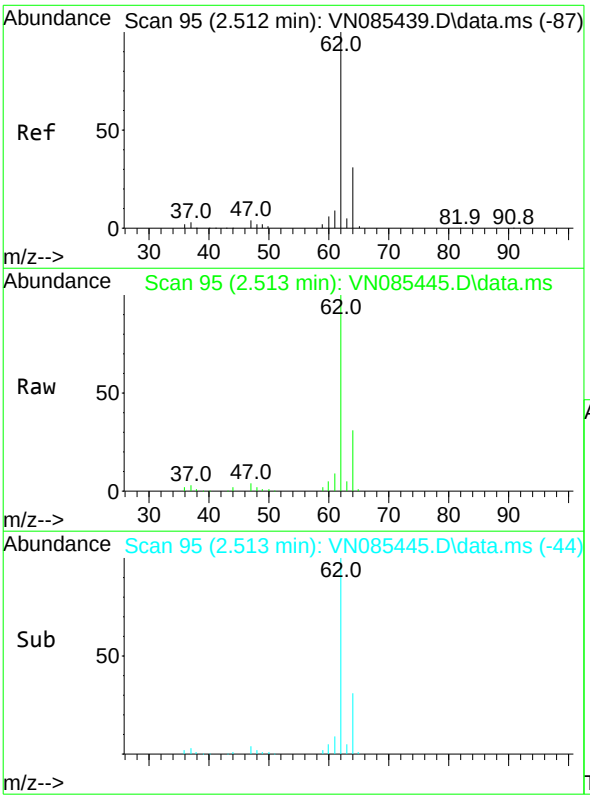
Ion	Ratio	Lower	Upper
50	100		
52	34.4	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Manual Integrations
APPROVED

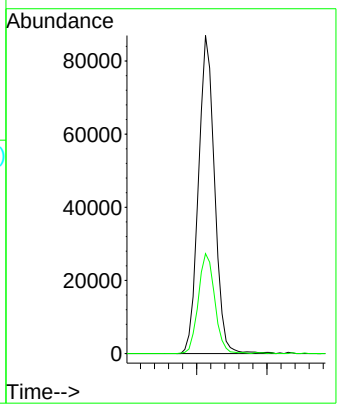
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

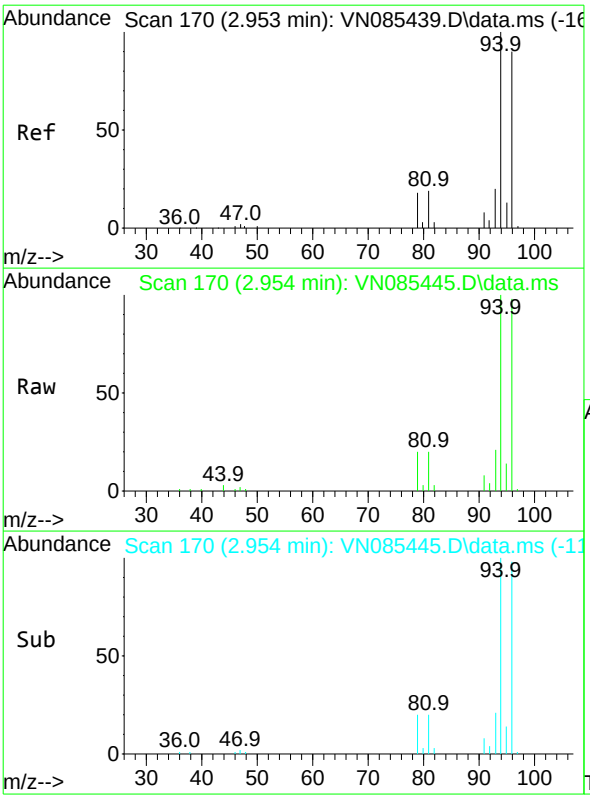


#4
Vinyl Chloride
Concen: 42.715 ug/l
RT: 2.513 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 62 Resp: 138316

Ion	Ratio	Lower	Upper
62	100		
64	31.4	24.8	37.2

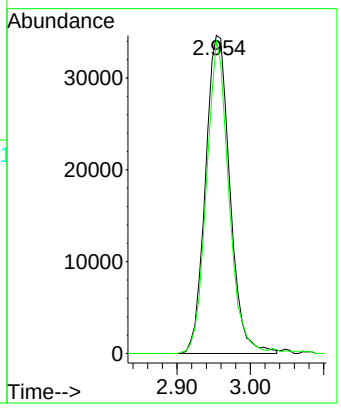




#5
Bromomethane
Concen: 40.910 ug/l
RT: 2.954 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 94 Resp: 80019

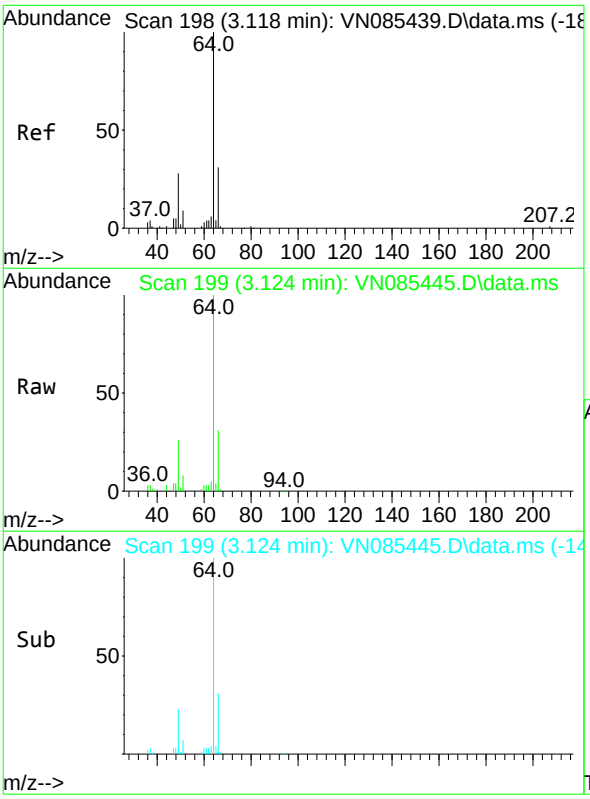
Ion	Ratio	Lower	Upper
94	100		
96	98.2	71.8	107.6



Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Manual Integrations
APPROVED

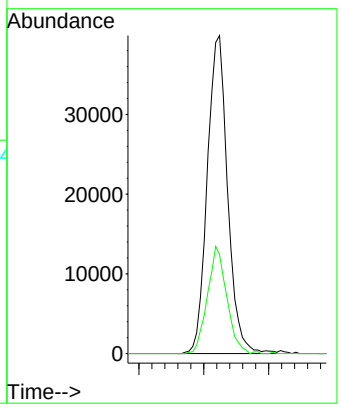
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

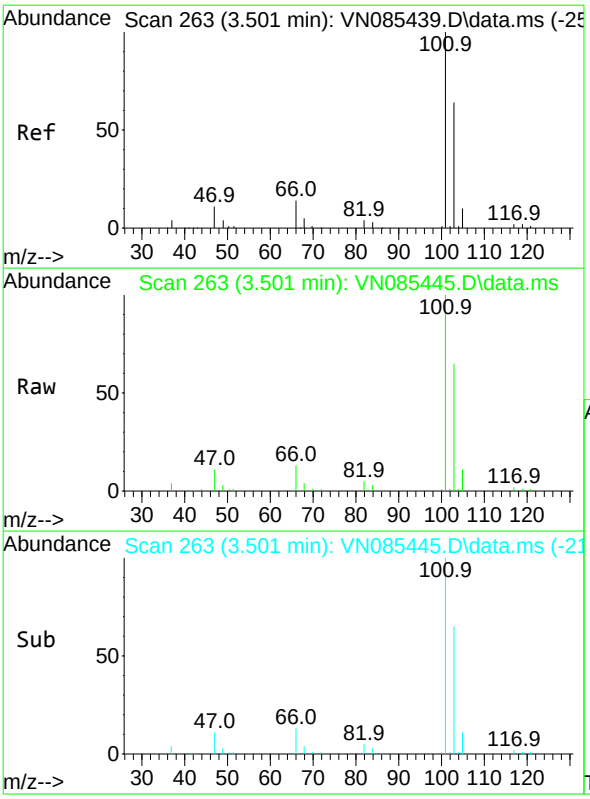


#6
Chloroethane
Concen: 42.299 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 64 Resp: 86837

Ion	Ratio	Lower	Upper
64	100		
66	31.1	24.6	36.8

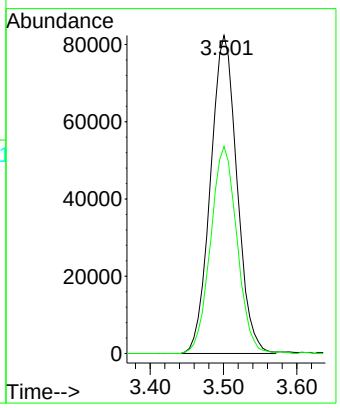




#7
Trichlorofluoromethane
Concen: 43.956 ug/l
RT: 3.501 min Scan# 26
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion:101 Resp: 206526

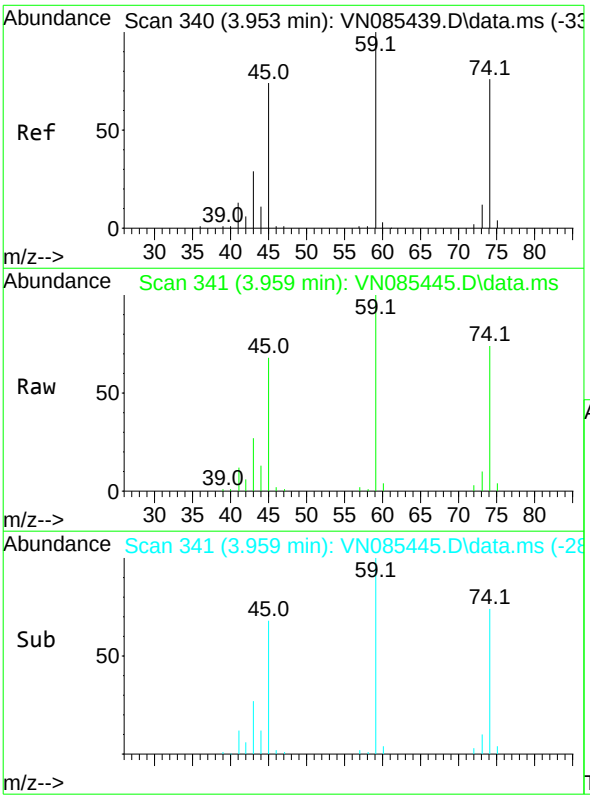
Ion	Ratio	Lower	Upper
101	100		
103	65.1	51.4	77.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Manual Integrations
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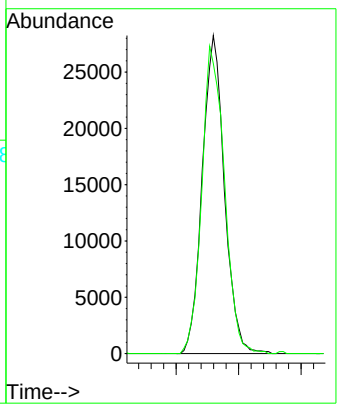
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

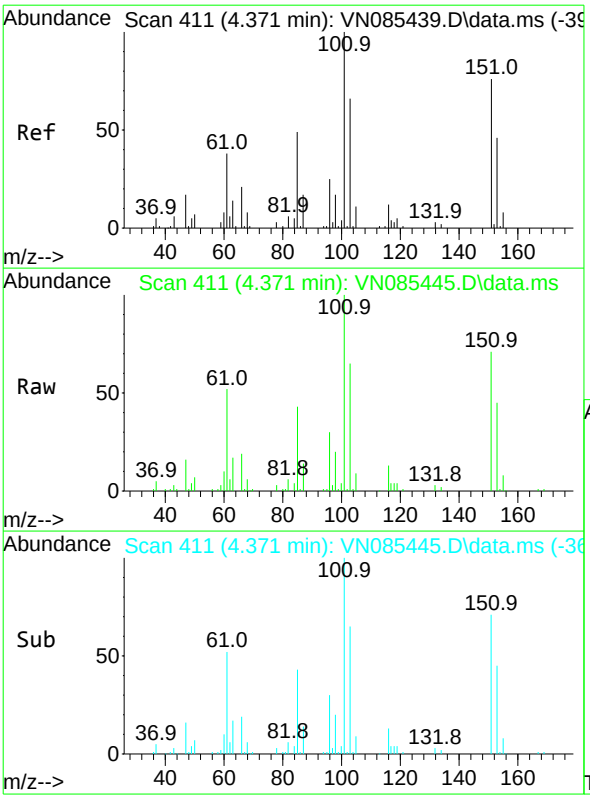


#8
Diethyl Ether
Concen: 42.846 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.006 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 74 Resp: 69545

Ion	Ratio	Lower	Upper
74	100		
45	99.0	49.7	149.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 44.706 ug/l
RT: 4.371 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

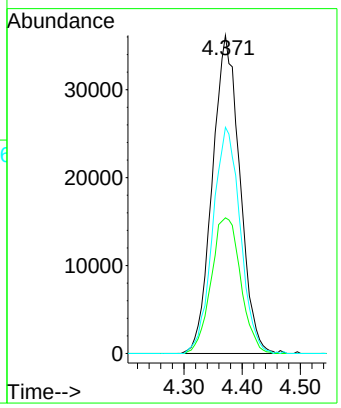
Tgt Ion:101 Resp: 118310

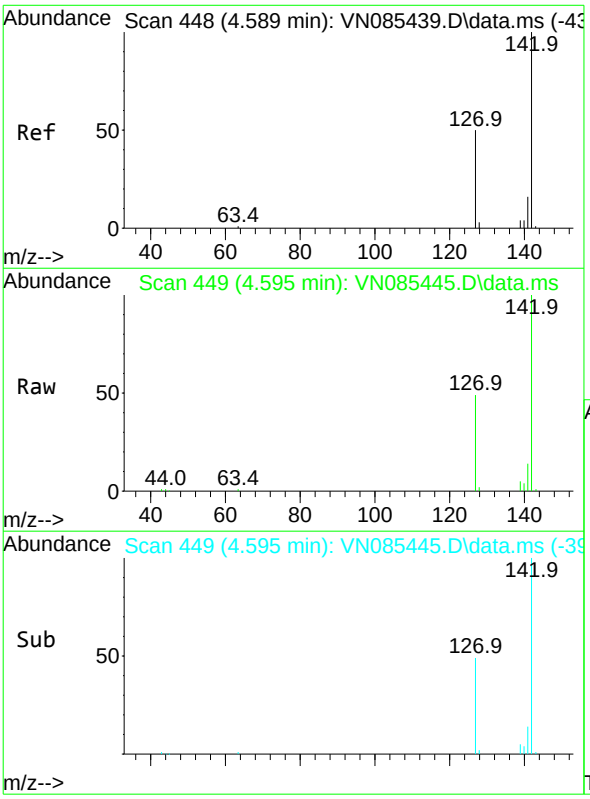
Ion	Ratio	Lower	Upper
101	100		
85	45.9	37.8	56.8
151	71.5	58.8	88.2

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

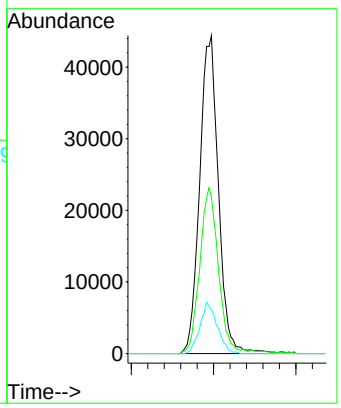


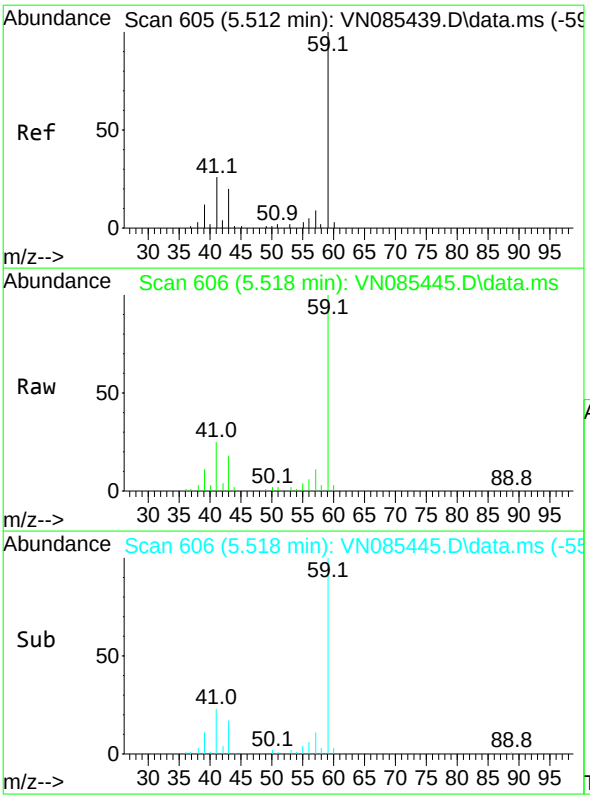


#10
Methyl Iodide
Concen: 46.259 ug/l
RT: 4.595 min Scan# 449
Delta R.T. 0.006 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion:142 Resp: 140190

Ion	Ratio	Lower	Upper
142	100		
127	49.2	40.3	60.5
141	13.9	12.8	19.2

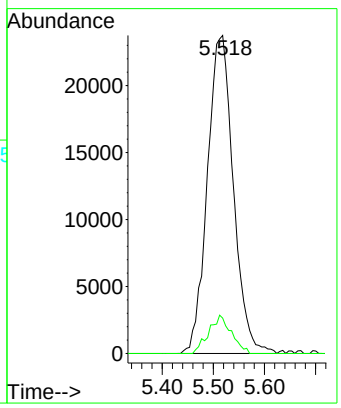




#11
Tert butyl alcohol
Concen: 206.633 ug/l
RT: 5.518 min Scan# 60
Delta R.T. 0.006 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 59 Resp: 83933

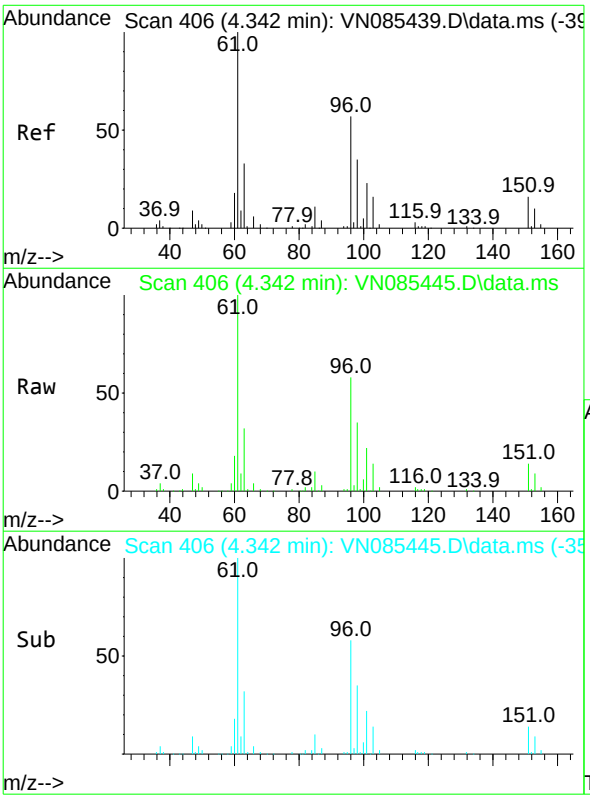
Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.6	13.0



Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Manual Integrations
APPROVED

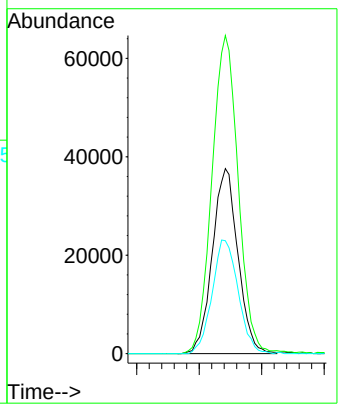
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

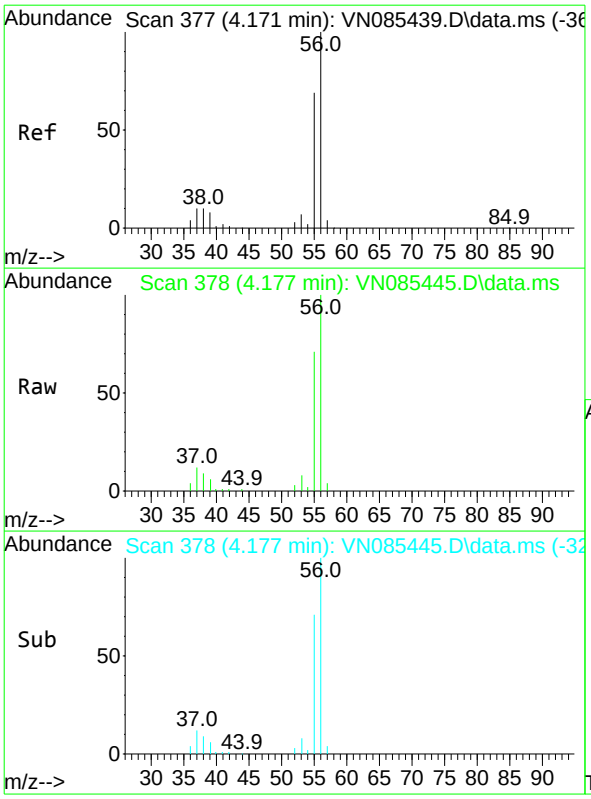


#12
1,1-Dichloroethene
Concen: 45.317 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 96 Resp: 106880

Ion	Ratio	Lower	Upper
96	100		
61	171.9	141.0	211.4
98	61.0	49.0	73.6

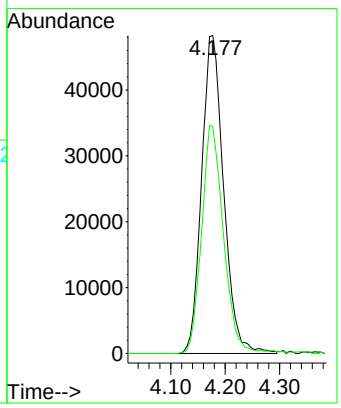




#13
Acrolein
Concen: 244.765 ug/l
RT: 4.177 min Scan# 37
Delta R.T. 0.006 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 56 Resp: 135720

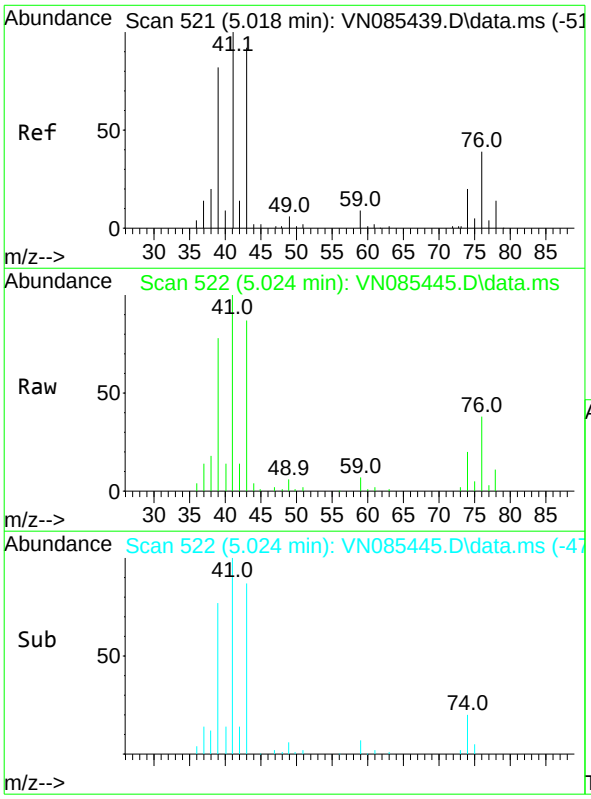
Ion	Ratio	Lower	Upper
56	100		
55	70.9	56.3	84.5



Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Manual Integrations
APPROVED

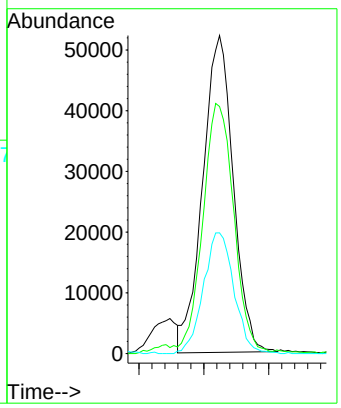
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

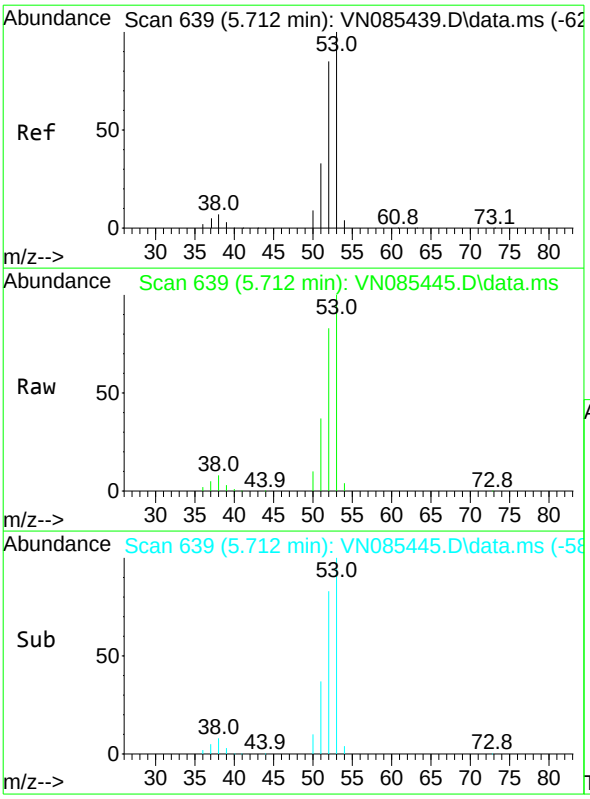


#14
Allyl chloride
Concen: 44.501 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 41 Resp: 170308

Ion	Ratio	Lower	Upper
41	100		
39	78.9	64.4	96.6
76	38.2	30.5	45.7

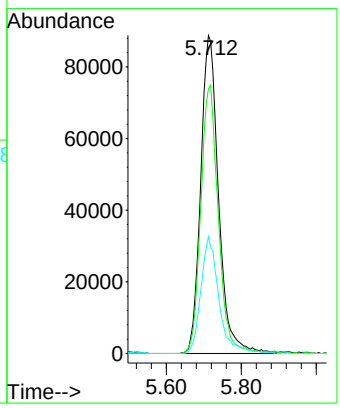




#15
Acrylonitrile
Concen: 227.920 ug/l
RT: 5.712 min Scan# 63
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 53 Resp: 294062

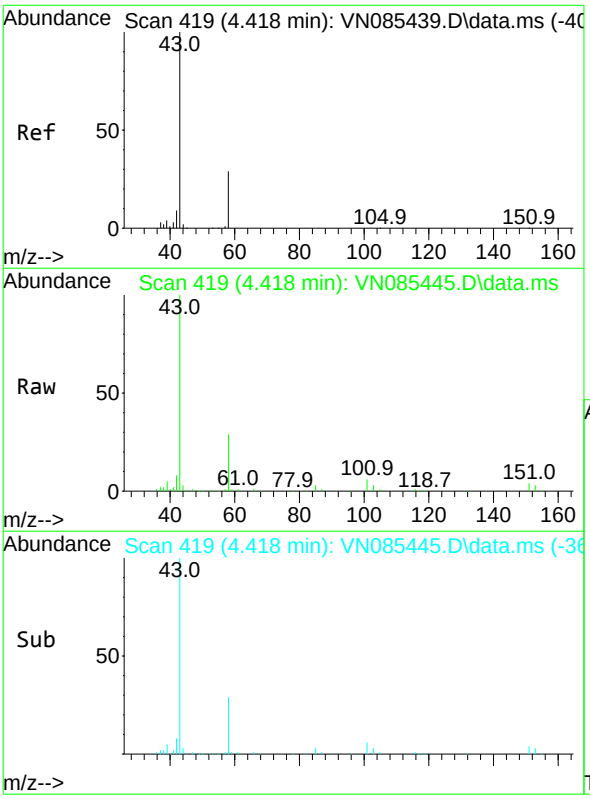
Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.5	98.3
51	36.8	29.8	44.8



Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Manual Integrations
APPROVED

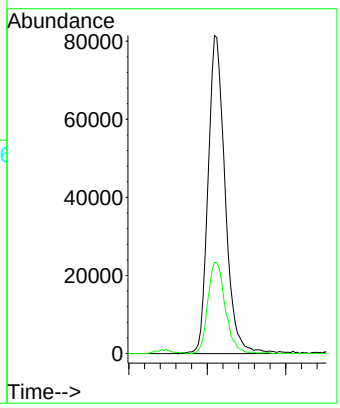
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

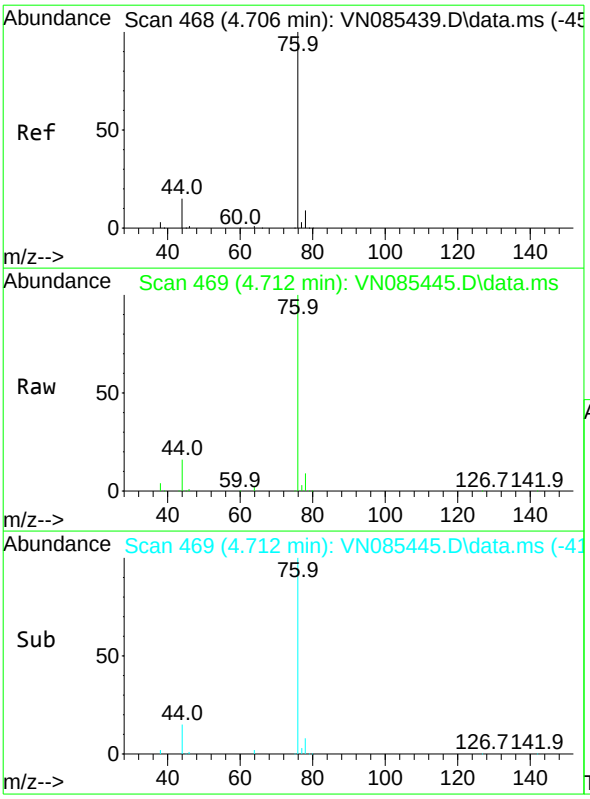


#16
Acetone
Concen: 213.971 ug/l
RT: 4.418 min Scan# 419
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 43 Resp: 245248

Ion	Ratio	Lower	Upper
43	100		
58	28.4	23.8	35.6

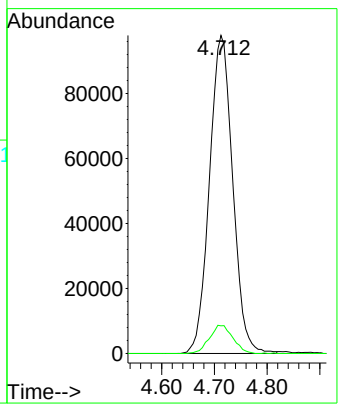




#17
Carbon Disulfide
Concen: 41.342 ug/l
RT: 4.712 min Scan# 46
Delta R.T. 0.006 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 76 Resp: 300215

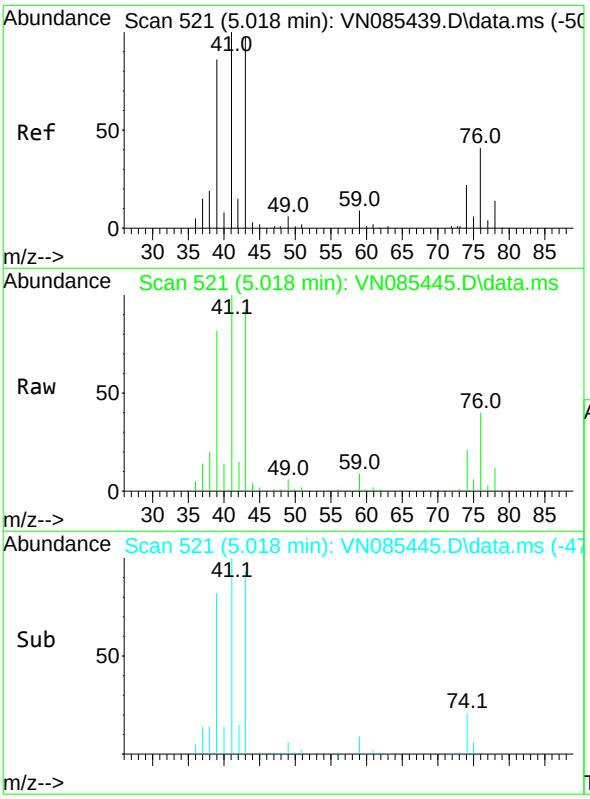
Ion	Ratio	Lower	Upper
76	100		
78	8.7	6.9	10.3



Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Manual Integrations
APPROVED

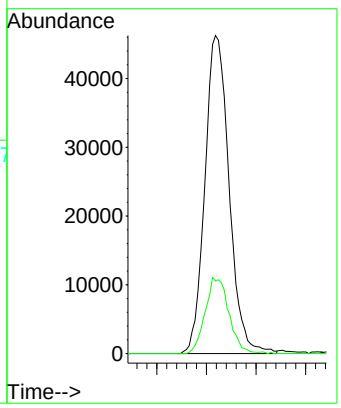
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

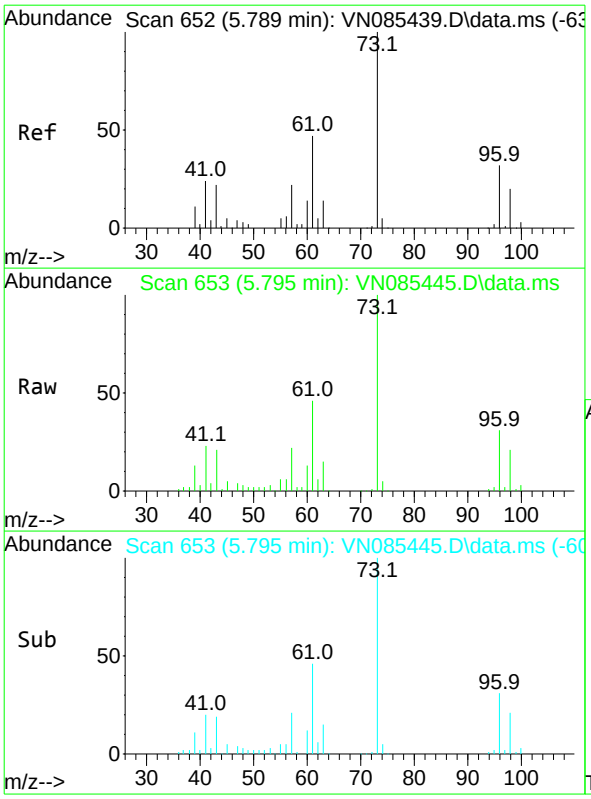


#18
Methyl Acetate
Concen: 45.028 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 43 Resp: 156938

Ion	Ratio	Lower	Upper
43	100		
74	23.4	18.6	28.0

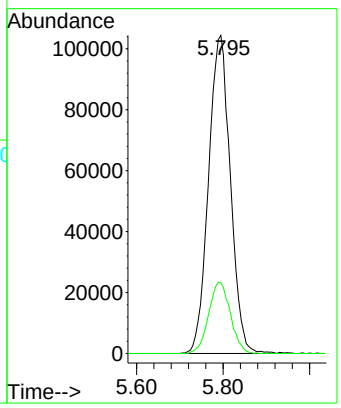




#19
Methyl tert-butyl Ether
Concen: 47.768 ug/l
RT: 5.795 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 73 Resp: 365819

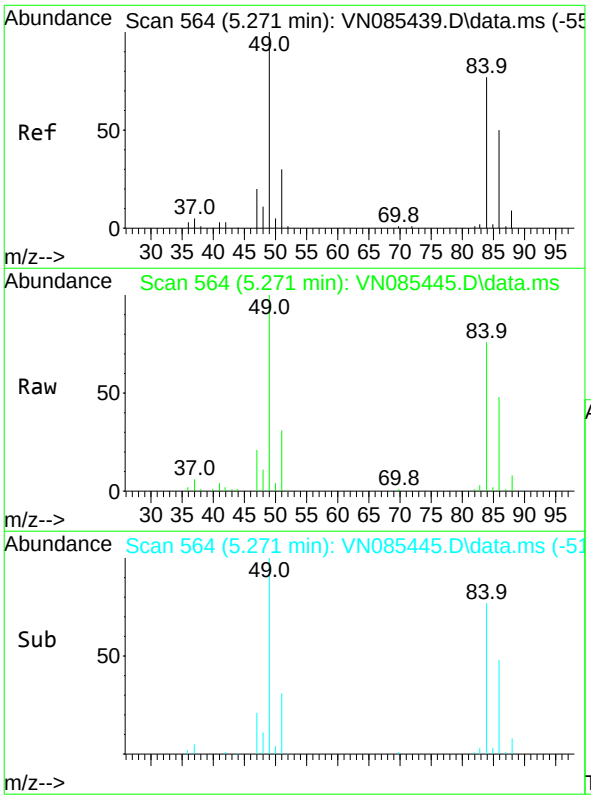
Ion	Ratio	Lower	Upper
73	100		
57	22.3	17.8	26.8



Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Manual Integrations
APPROVED

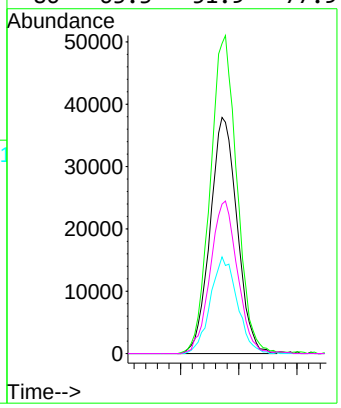
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

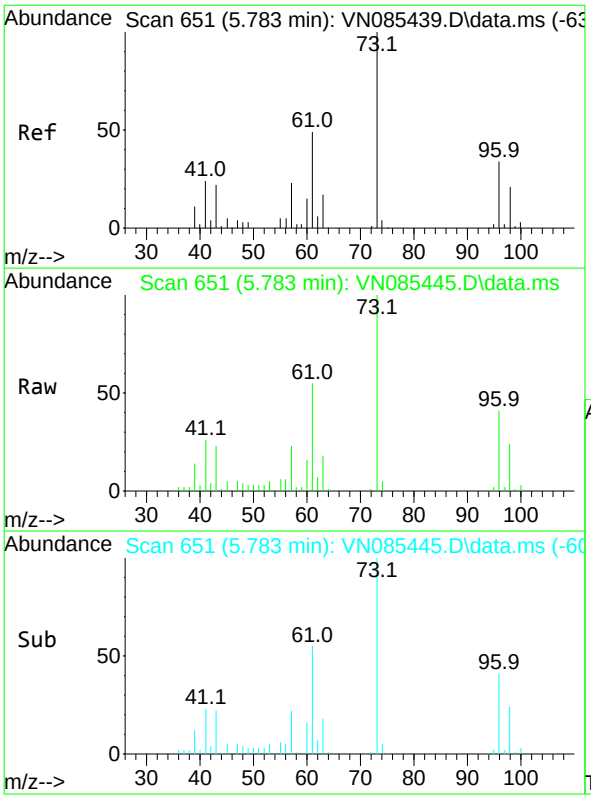


#20
Methylene Chloride
Concen: 43.017 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 84 Resp: 122059

Ion	Ratio	Lower	Upper
84	100		
49	131.3	104.1	156.1
51	41.0	31.0	46.4
86	63.3	51.9	77.9

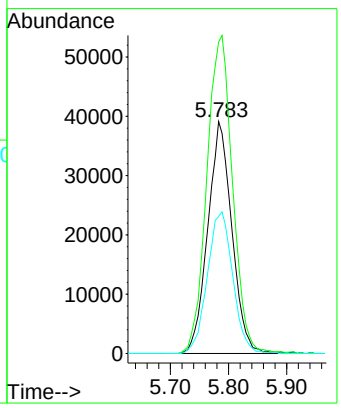




#21
trans-1,2-Dichloroethene
Concen: 44.672 ug/l
RT: 5.783 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 96 Resp: 112597

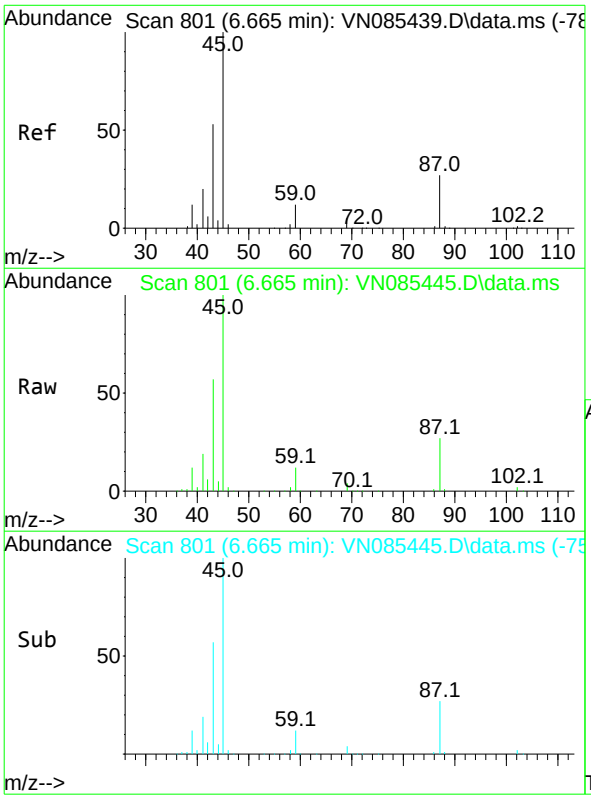
Ion	Ratio	Lower	Upper
96	100		
61	134.3	115.7	173.5
98	59.1	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Manual Integrations
APPROVED

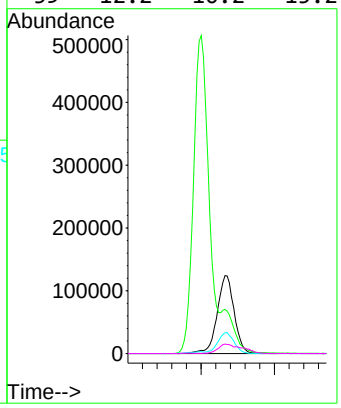
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

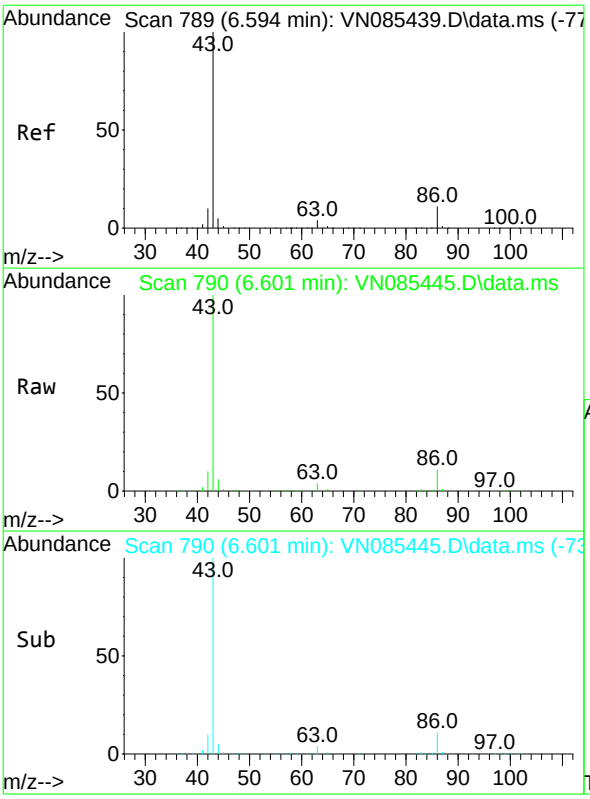


#22
Diisopropyl ether
Concen: 46.996 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 45 Resp: 399206

Ion	Ratio	Lower	Upper
45	100		
43	56.0	45.0	67.6
87	26.8	21.8	32.8
59	12.2	10.2	15.2

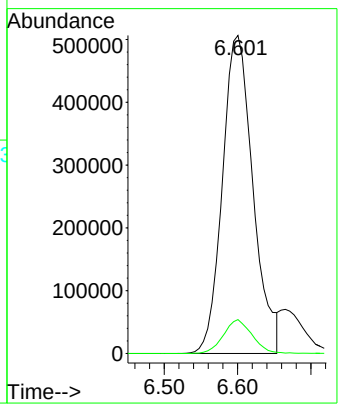




#23
Vinyl Acetate
Concen: 247.459 ug/l
RT: 6.601 min Scan# 79
Delta R.T. 0.006 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 43 Resp: 1471068

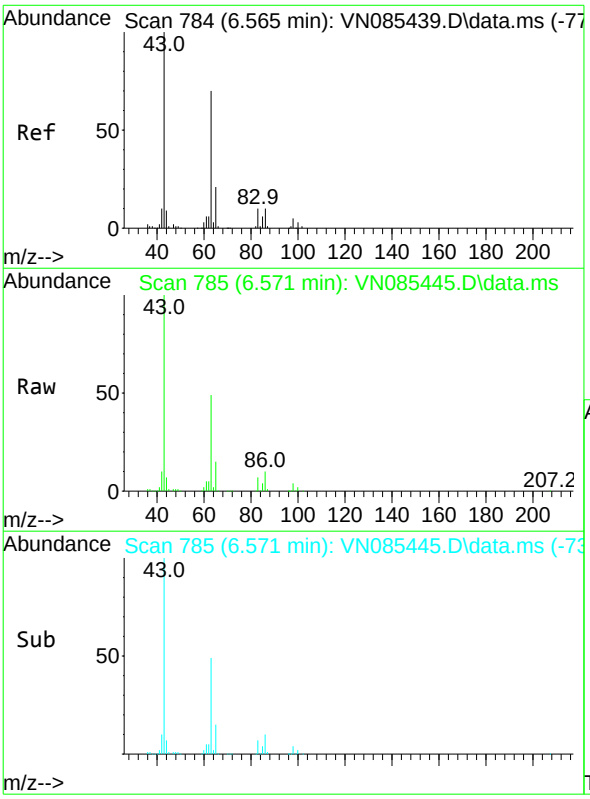
Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.4	12.6



Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Manual Integrations
APPROVED

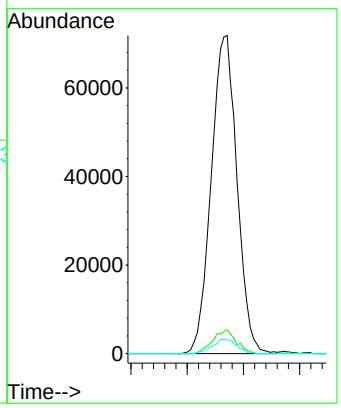
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

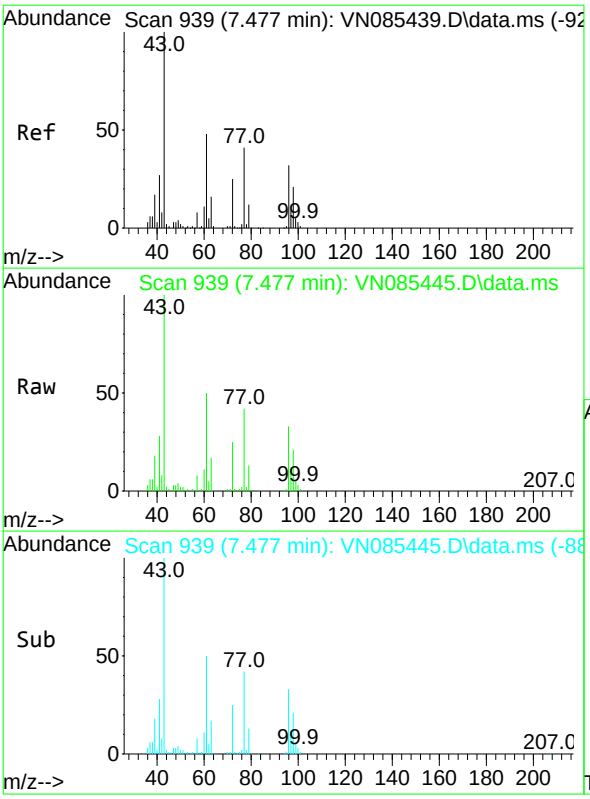


#24
1,1-Dichloroethane
Concen: 44.114 ug/l
RT: 6.571 min Scan# 785
Delta R.T. 0.006 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 63 Resp: 228489

Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.3	9.8
100	4.2	2.0	6.0

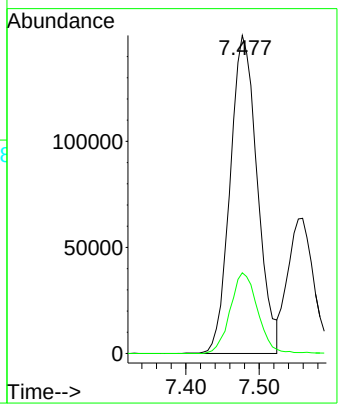




#25
2-Butanone
Concen: 228.924 ug/l
RT: 7.477 min Scan# 93
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 43 Resp: 386125

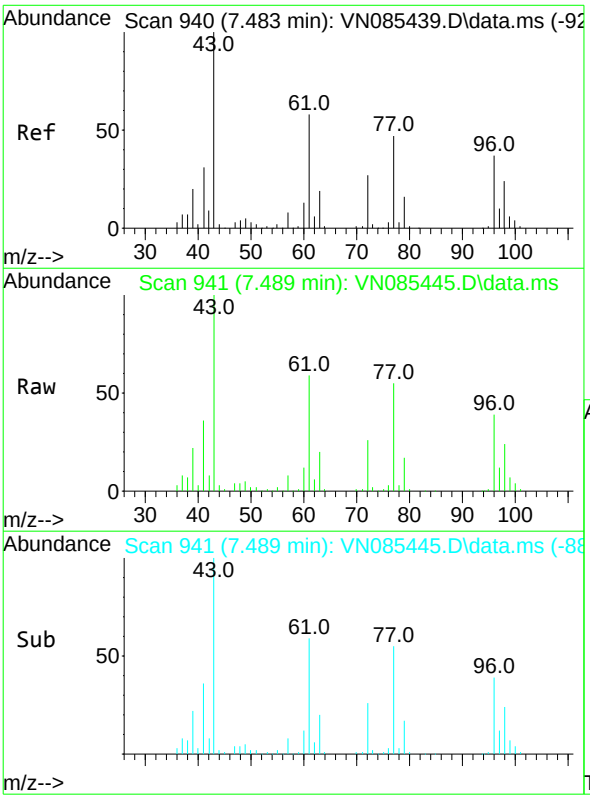
Ion	Ratio	Lower	Upper
43	100		
72	25.4	20.2	30.4



Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Manual Integrations
APPROVED

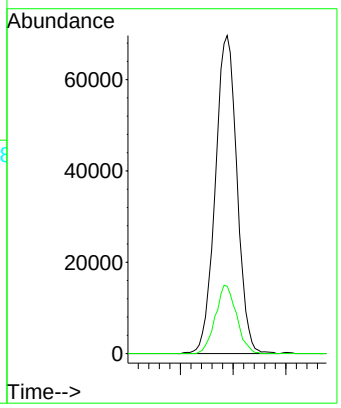
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

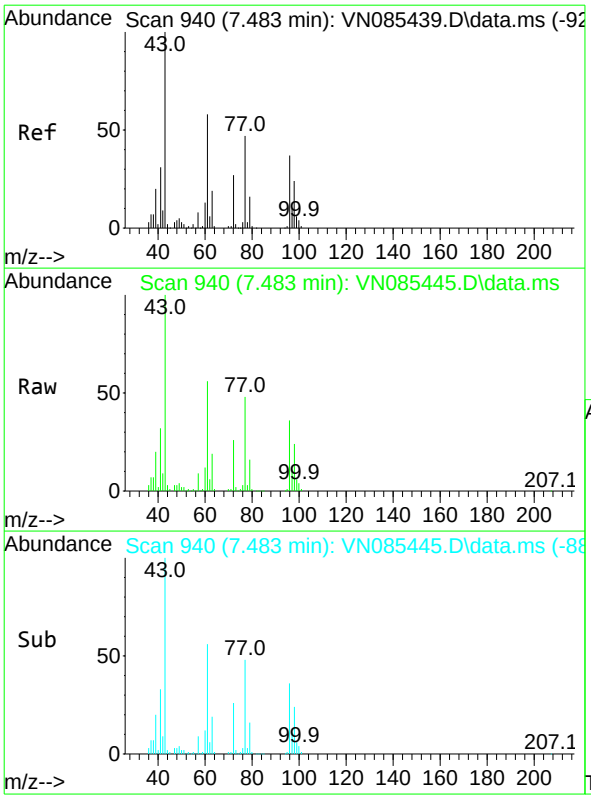


#26
2,2-Dichloropropane
Concen: 47.593 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 77 Resp: 199303

Ion	Ratio	Lower	Upper
77	100		
97	20.9	10.7	32.1

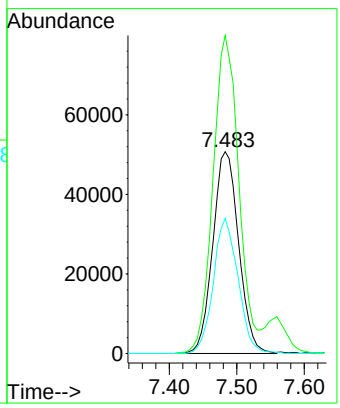




#27
cis-1,2-Dichloroethene
Concen: 45.446 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 96 Resp: 134920

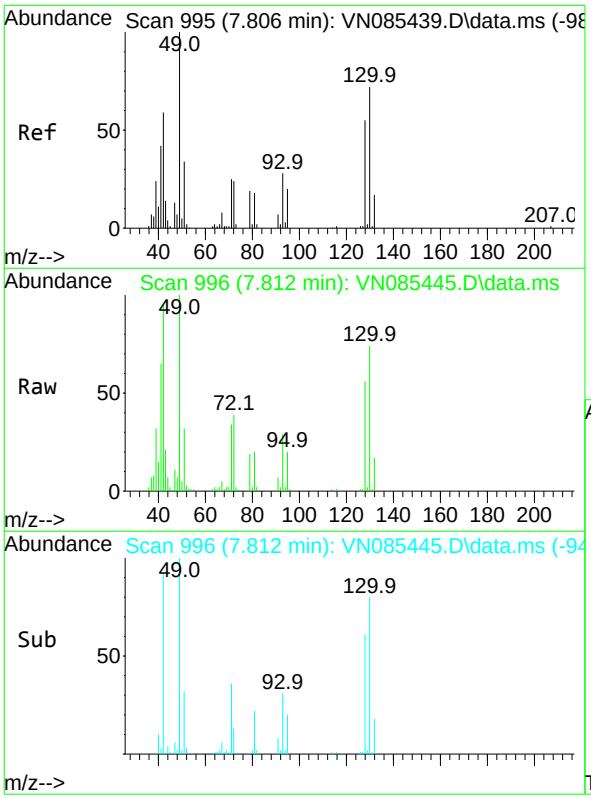
Ion	Ratio	Lower	Upper
96	100		
61	158.0	0.0	311.8
98	64.1	0.0	126.0



Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Manual Integrations
APPROVED

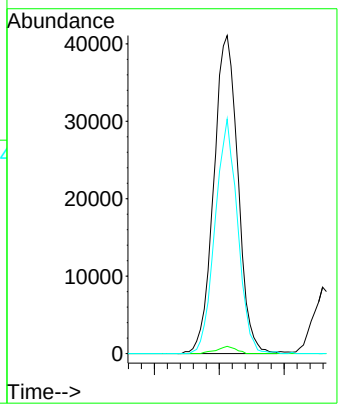
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

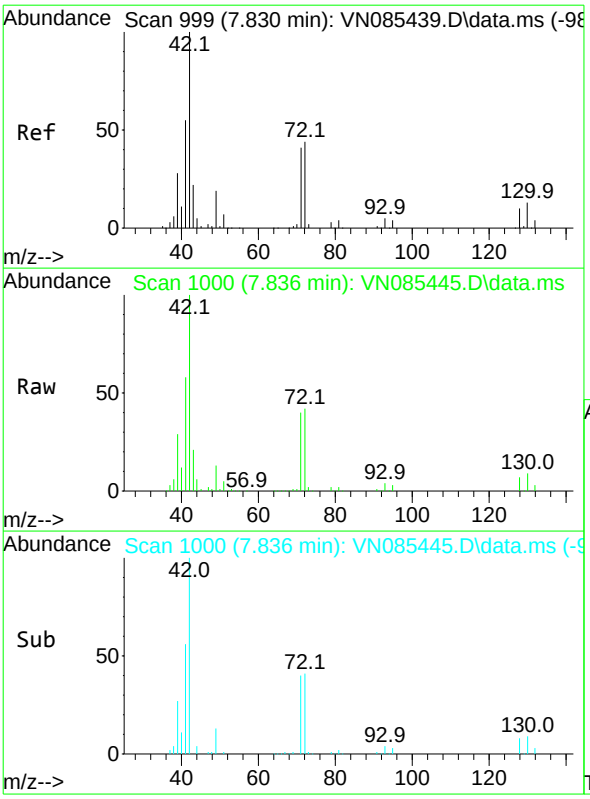


#28
Bromochloromethane
Concen: 44.122 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 49 Resp: 106323

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.4
130	68.6	55.0	82.4

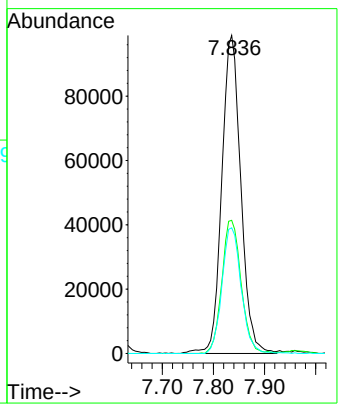




#29
Tetrahydrofuran
Concen: 239.065 ug/l
RT: 7.836 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 42 Resp: 255650

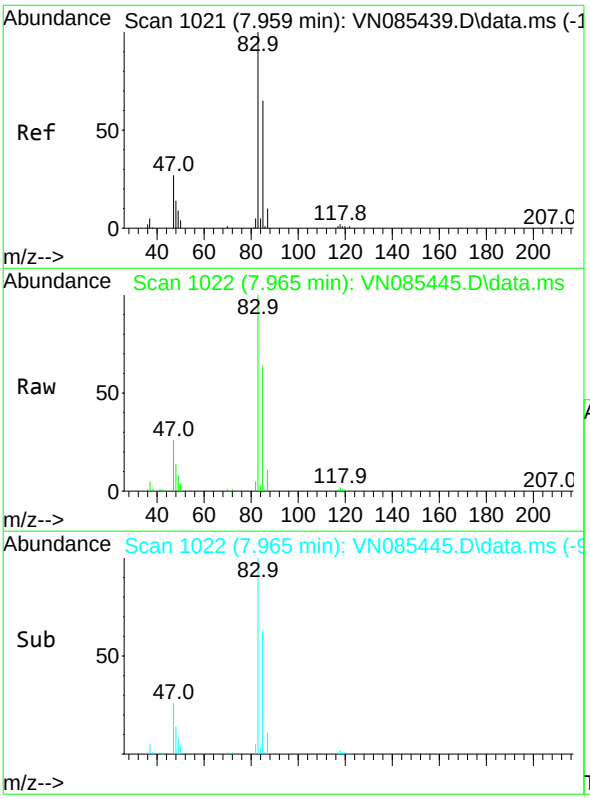
Ion	Ratio	Lower	Upper
42	100		
72	42.5	34.2	51.2
71	39.9	32.5	48.7



Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Manual Integrations
APPROVED

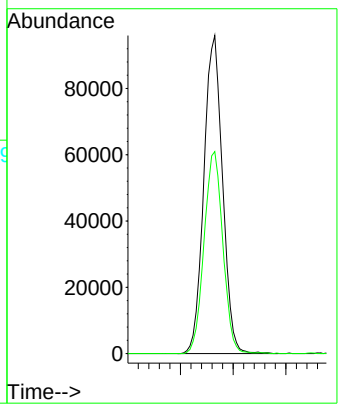
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

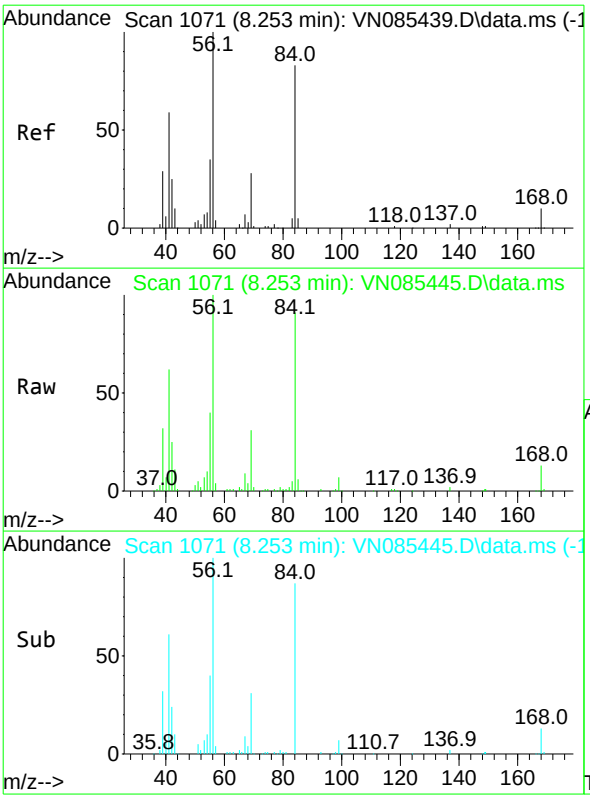


#30
Chloroform
Concen: 44.071 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 83 Resp: 235923

Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.8	77.6

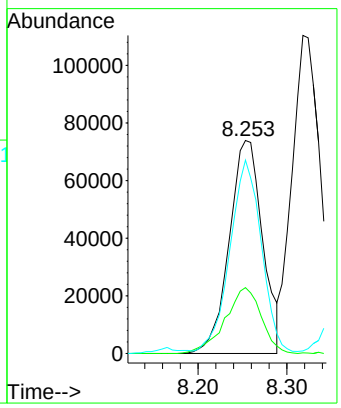




#31
Cyclohexane
Concen: 42.878 ug/l
RT: 8.253 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 56 Resp: 193034

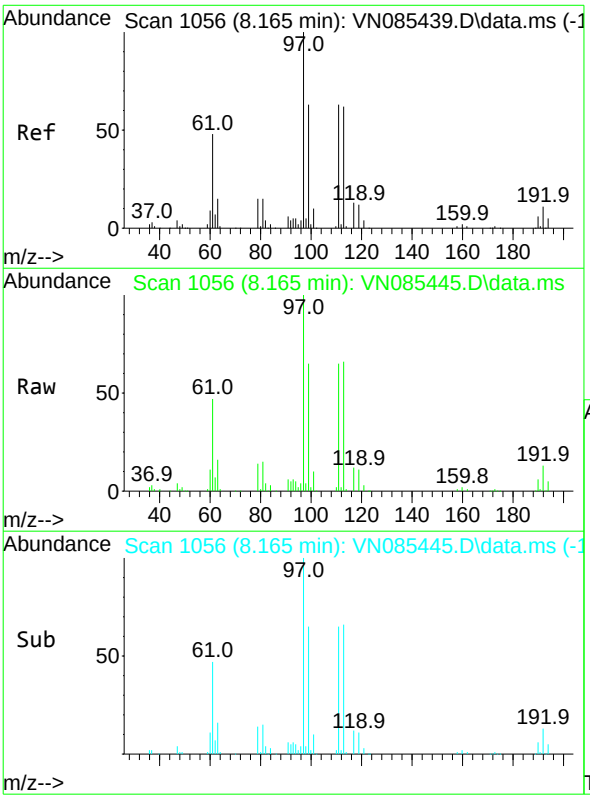
Ion	Ratio	Lower	Upper
56	100		
69	30.5	22.2	33.4
84	89.4	66.4	99.6



Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Manual Integrations
APPROVED

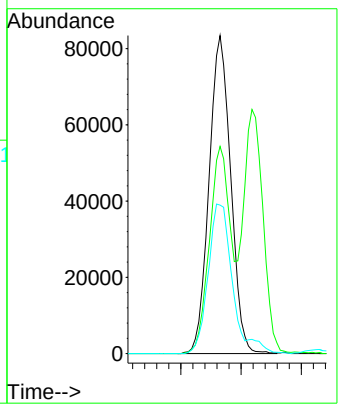
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

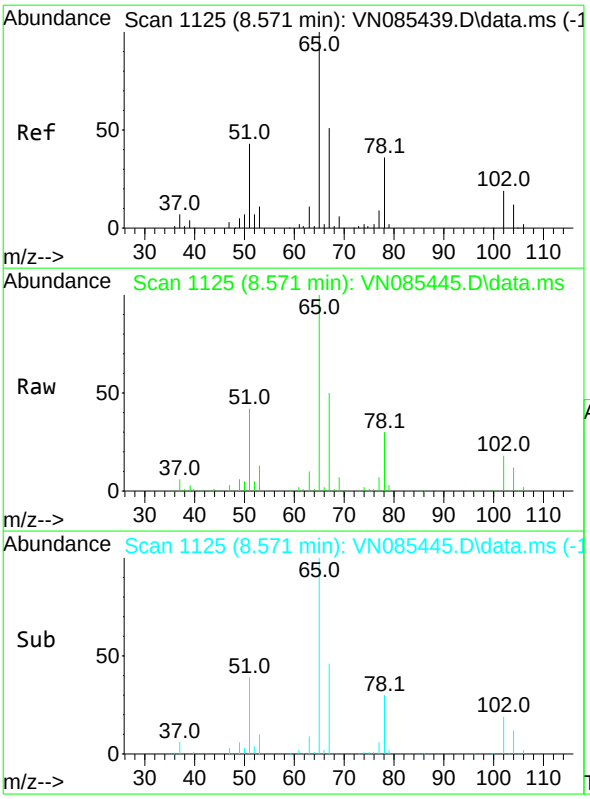


#32
1,1,1-Trichloroethane
Concen: 44.332 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 97 Resp: 208172

Ion	Ratio	Lower	Upper
97	100		
99	61.8	49.8	74.6
61	52.8	41.4	62.2





#33
1,2-Dichloroethane-d4
Concen: 49.782 ug/l
RT: 8.571 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

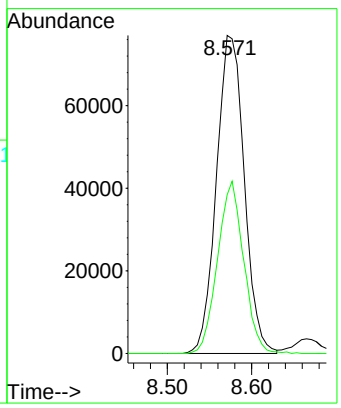
Tgt Ion: 65 Resp: 176594

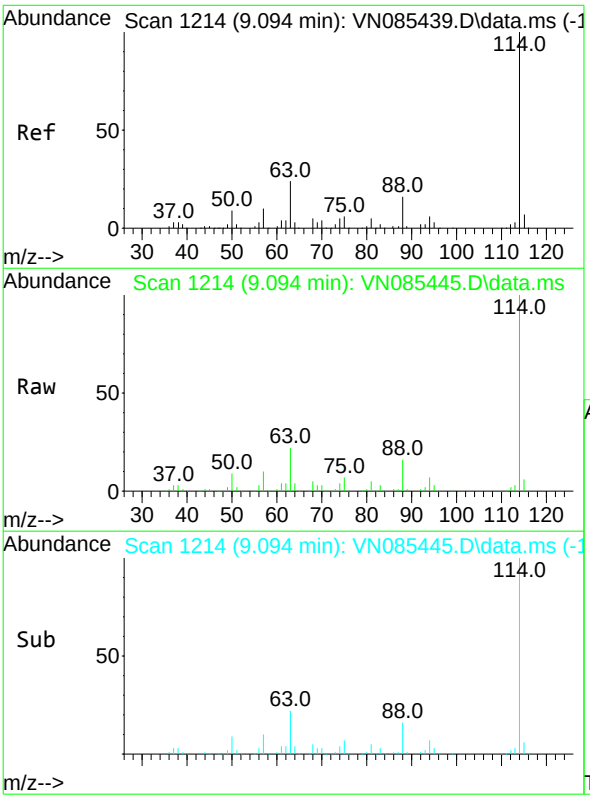
Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	101.6

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

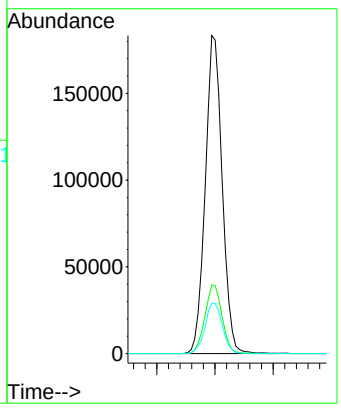


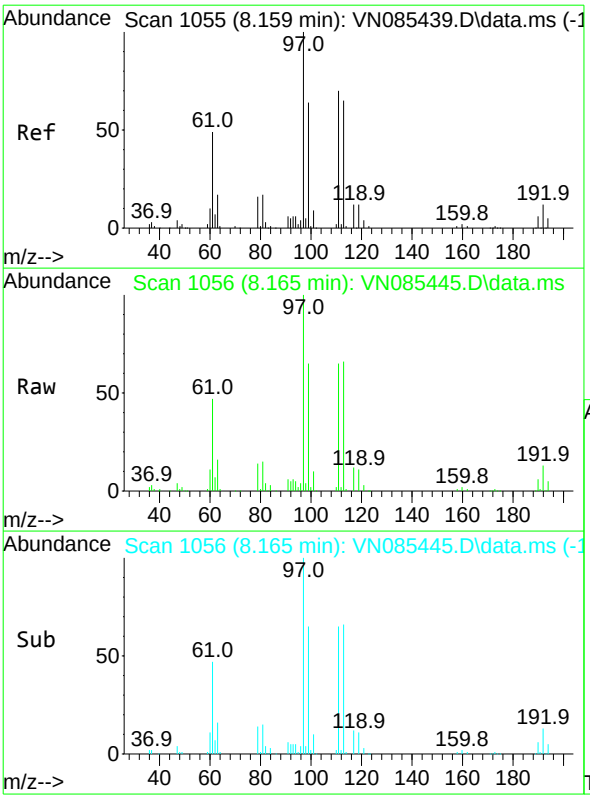


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion:114 Resp: 370487

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	47.6
88	15.8	0.0	32.6

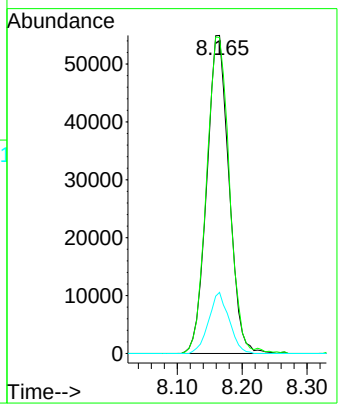




#35
Dibromofluoromethane
Concen: 50.768 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion:113 Resp: 130487

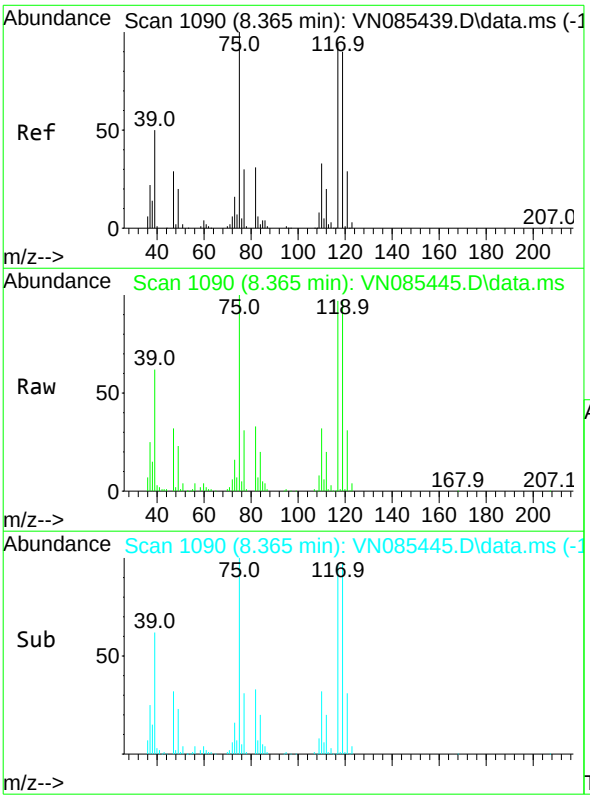
Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.7	124.1
192	17.7	14.3	21.5



Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Manual Integrations
APPROVED

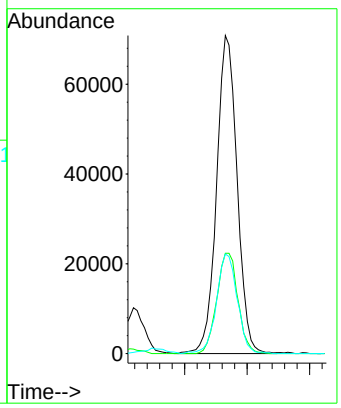
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

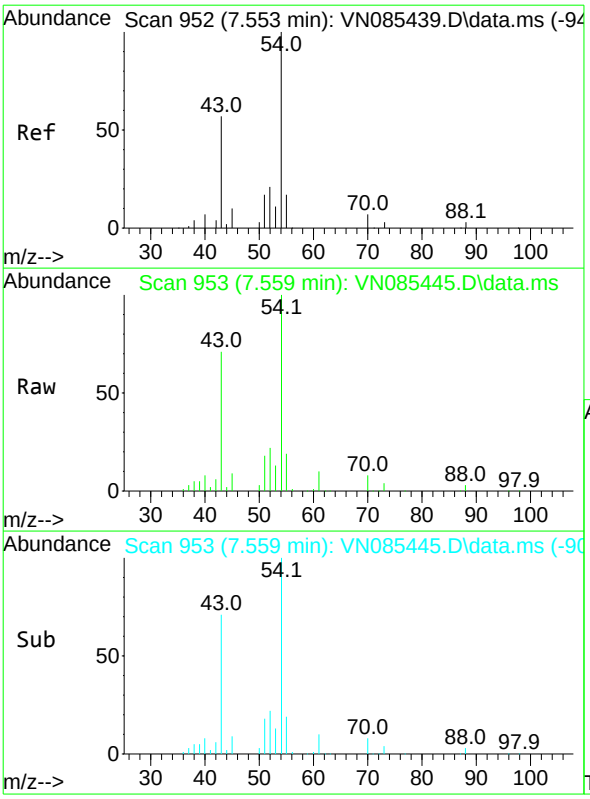


#36
1,1-Dichloropropene
Concen: 44.863 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 75 Resp: 161834

Ion	Ratio	Lower	Upper
75	100		
110	32.4	16.5	49.5
77	31.8	24.4	36.6

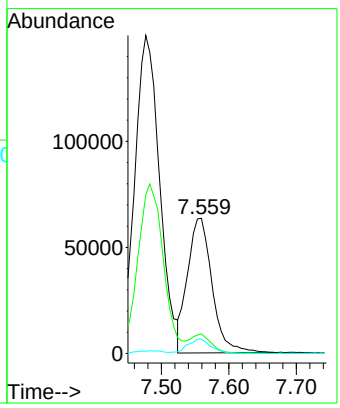




#37
Ethyl Acetate
Concen: 44.123 ug/l
RT: 7.559 min Scan# 95
Delta R.T. 0.006 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 43 Resp: 160656

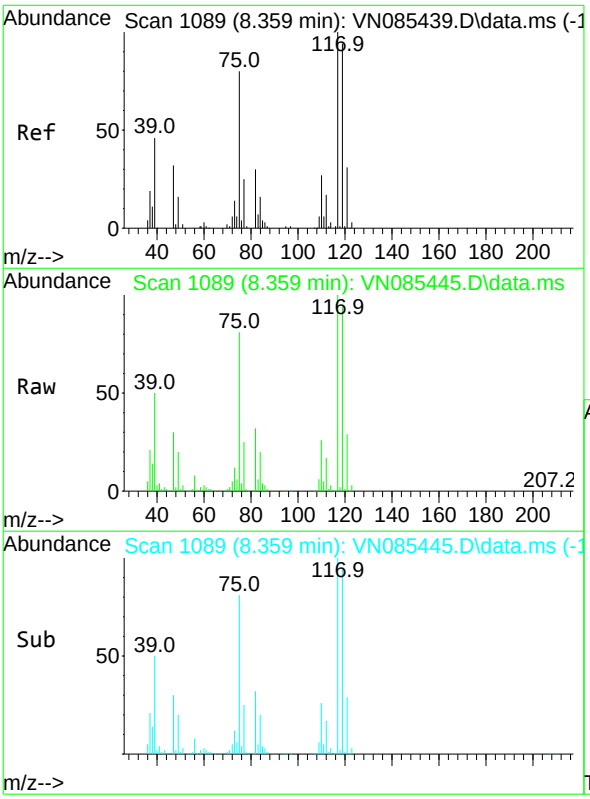
Ion	Ratio	Lower	Upper
43	100		
61	11.9	10.9	16.3
70	10.2	7.5	11.3



Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Manual Integrations
APPROVED

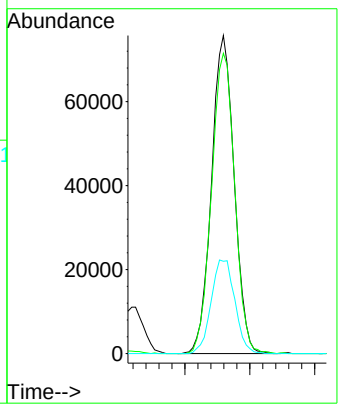
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

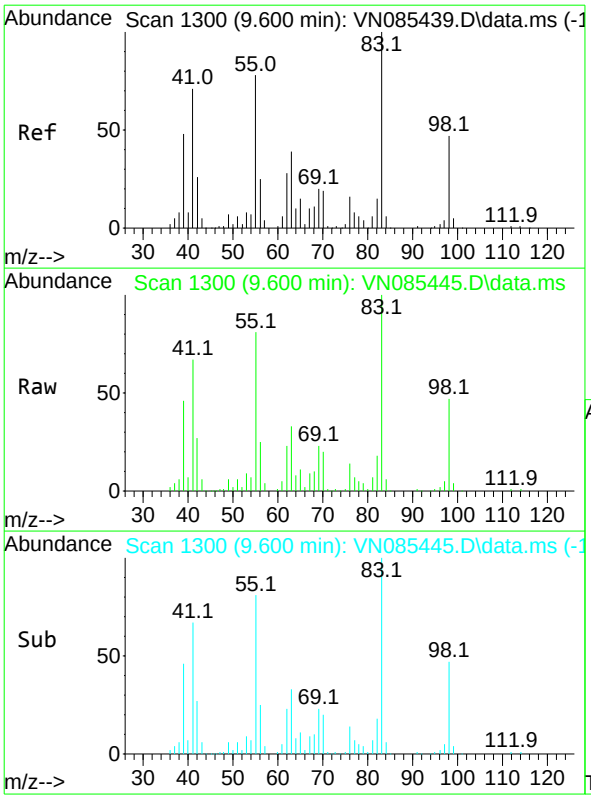


#38
Carbon Tetrachloride
Concen: 44.456 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion:117 Resp: 183592

Ion	Ratio	Lower	Upper
117	100		
119	94.4	75.4	113.2
121	29.0	24.6	37.0

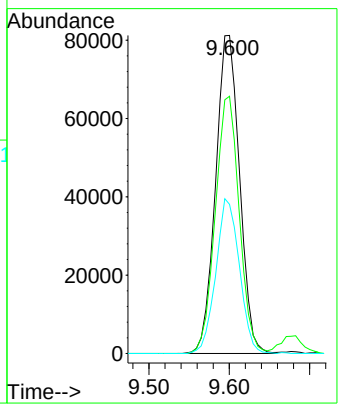




#39
Methylcyclohexane
Concen: 49.687 ug/l
RT: 9.600 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 83 Resp: 168431

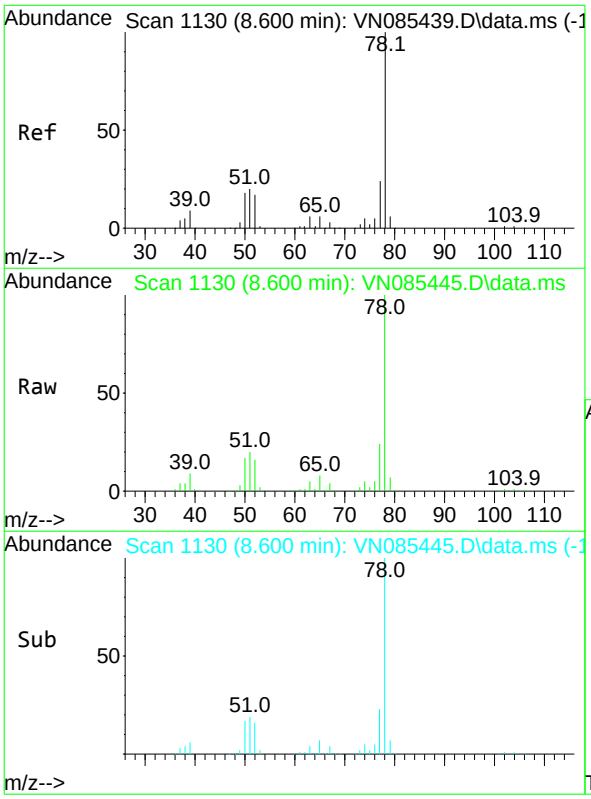
Ion	Ratio	Lower	Upper
83	100		
55	80.9	62.6	94.0
98	46.9	37.7	56.5



Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Manual Integrations
APPROVED

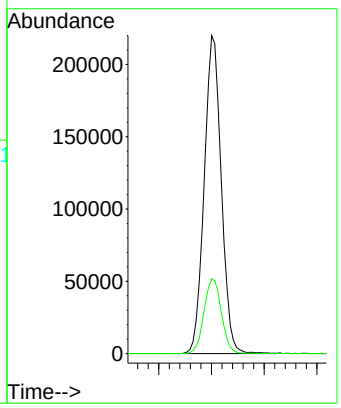
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

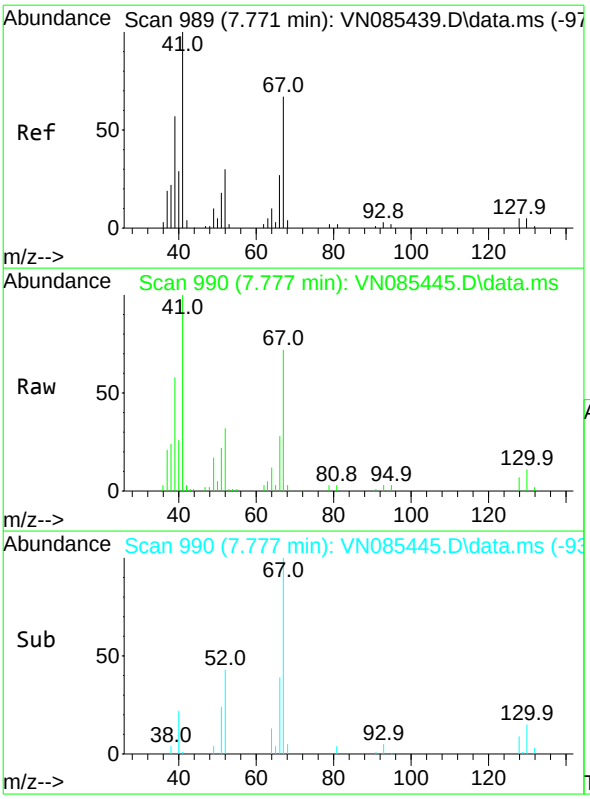


#40
Benzene
Concen: 45.657 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 78 Resp: 494871

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.6

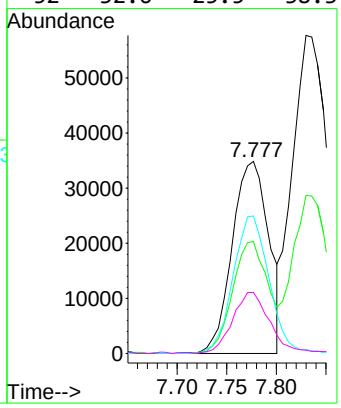




#41
Methacrylonitrile
Concen: 47.155 ug/l
RT: 7.777 min Scan# 99
Delta R.T. 0.006 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 41 Resp: 89326

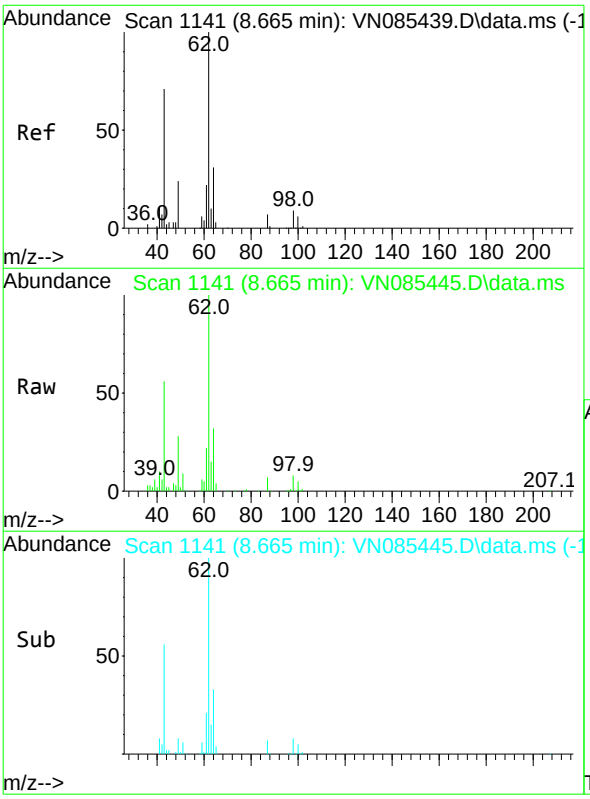
Ion	Ratio	Lower	Upper
41	100		
39	56.6	46.0	69.0
67	70.9	57.4	86.2
52	32.6	25.5	38.3



Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Manual Integrations
APPROVED

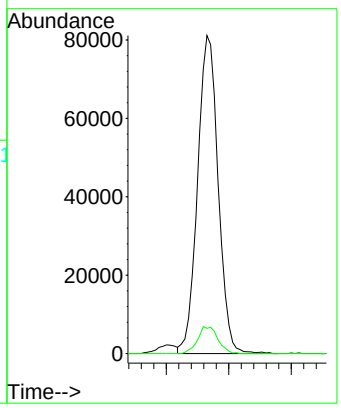
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

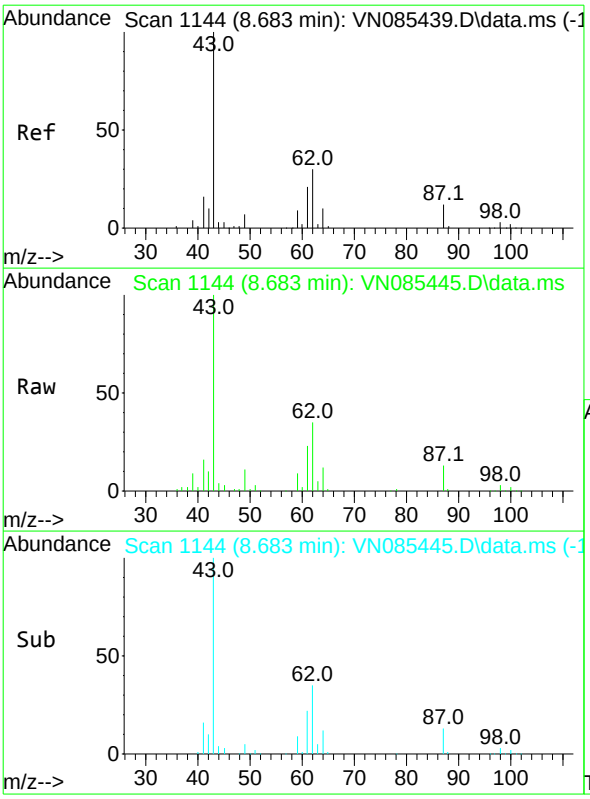


#42
1,2-Dichloroethane
Concen: 45.481 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 62 Resp: 185663

Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	17.0





#43
Isopropyl Acetate
Concen: 45.440 ug/l
RT: 8.683 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

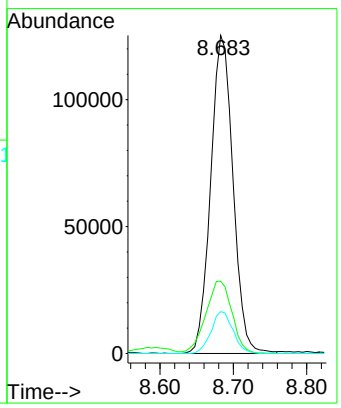
Tgt Ion: 43 Resp: 265107

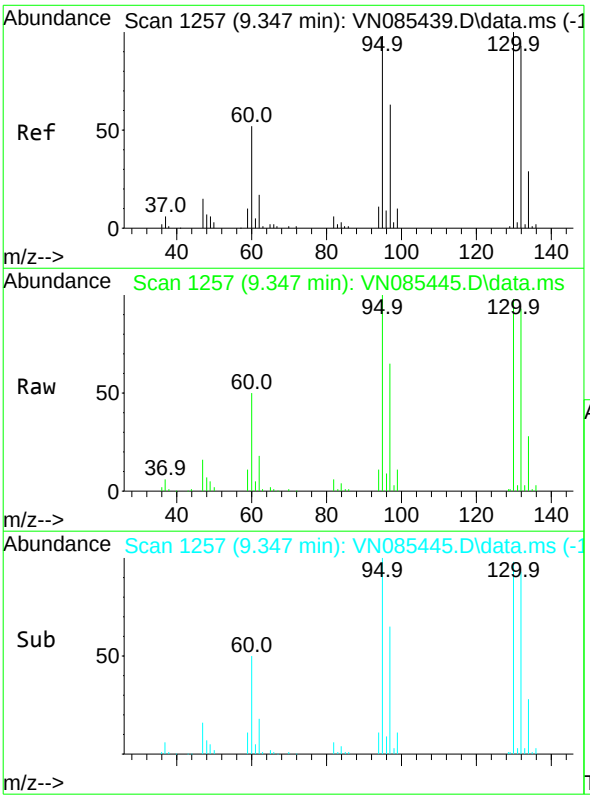
Ion	Ratio	Lower	Upper
43	100		
61	26.7	20.7	31.1
87	12.9	9.8	14.8

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

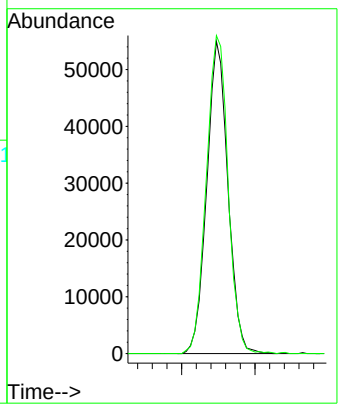


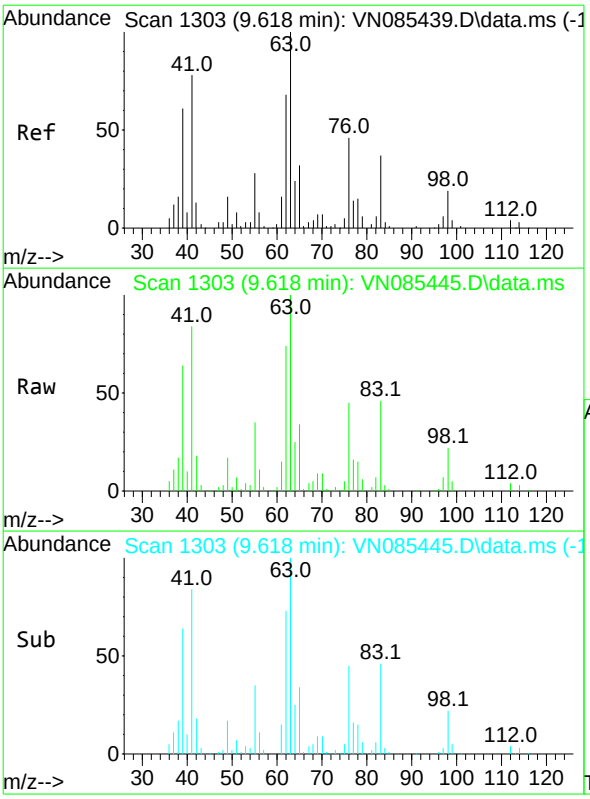


#44
Trichloroethene
Concen: 43.622 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion:130 Resp: 110058

Ion	Ratio	Lower	Upper
130	100		
95	101.9	0.0	195.8

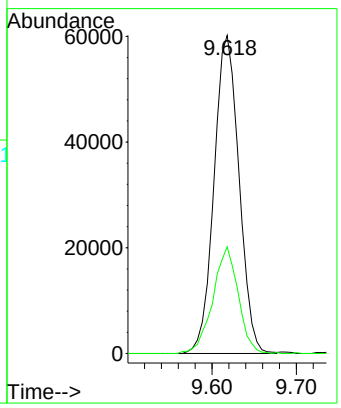




#45
1,2-Dichloropropane
Concen: 44.744 ug/l
RT: 9.618 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 63 Resp: 123876

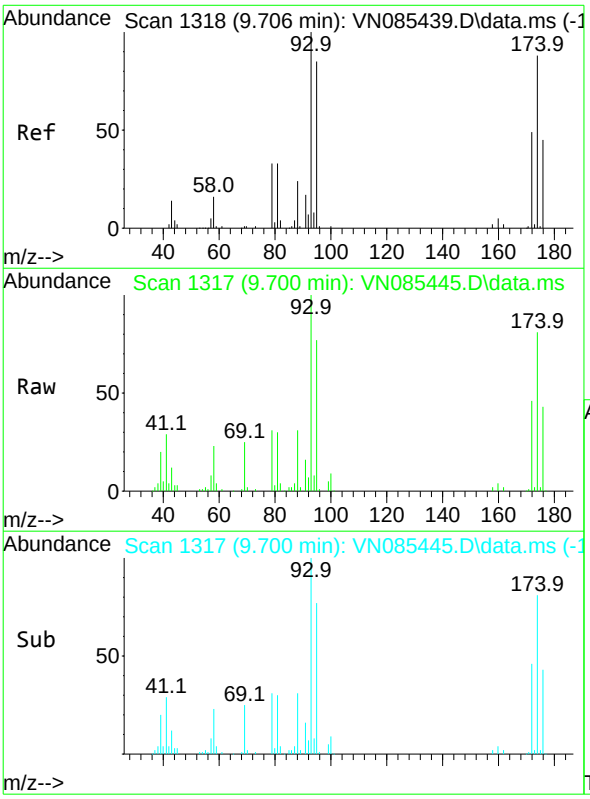
Ion	Ratio	Lower	Upper
63	100		
65	33.5	25.6	38.4



Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Manual Integrations
APPROVED

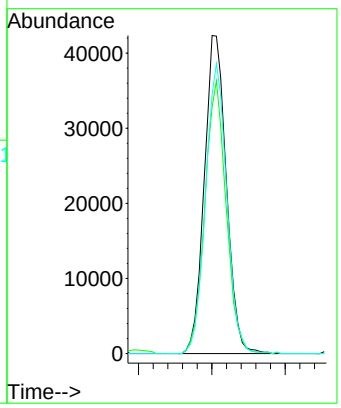
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

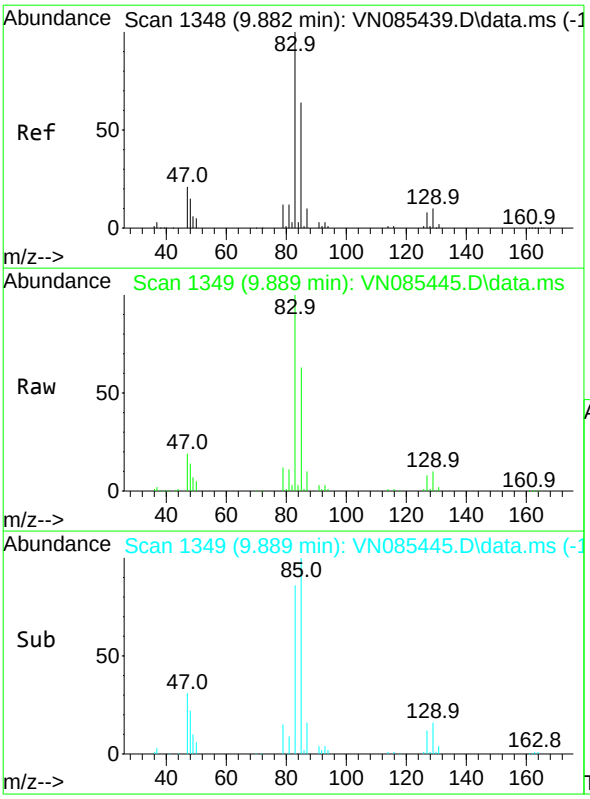


#46
Dibromomethane
Concen: 44.214 ug/l
RT: 9.700 min Scan# 1317
Delta R.T. -0.006 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 93 Resp: 88325

Ion	Ratio	Lower	Upper
93	100		
95	82.9	64.7	97.1
174	88.0	69.0	103.4

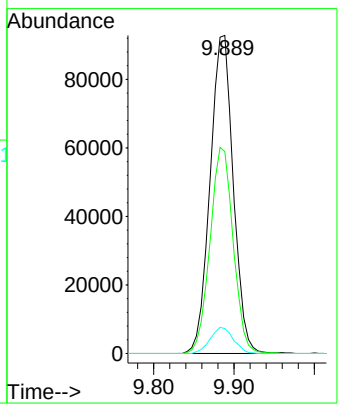




#47
Bromodichloromethane
Concen: 45.655 ug/l
RT: 9.889 min Scan# 13
Delta R.T. 0.007 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 83 Resp: 185808

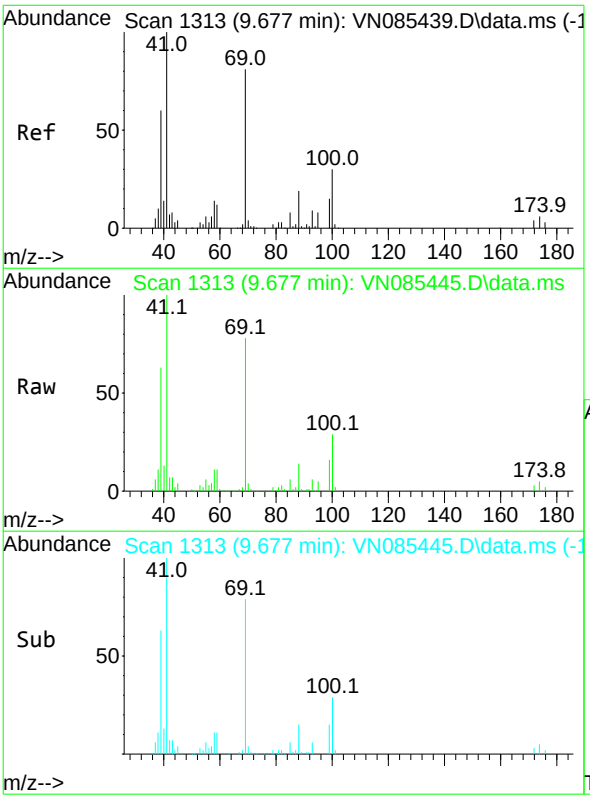
Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.2	76.8
127	7.8	6.5	9.7



Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Manual Integrations APPROVED

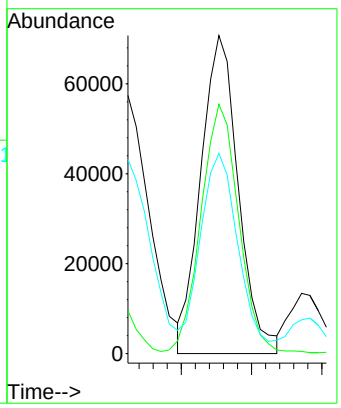
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

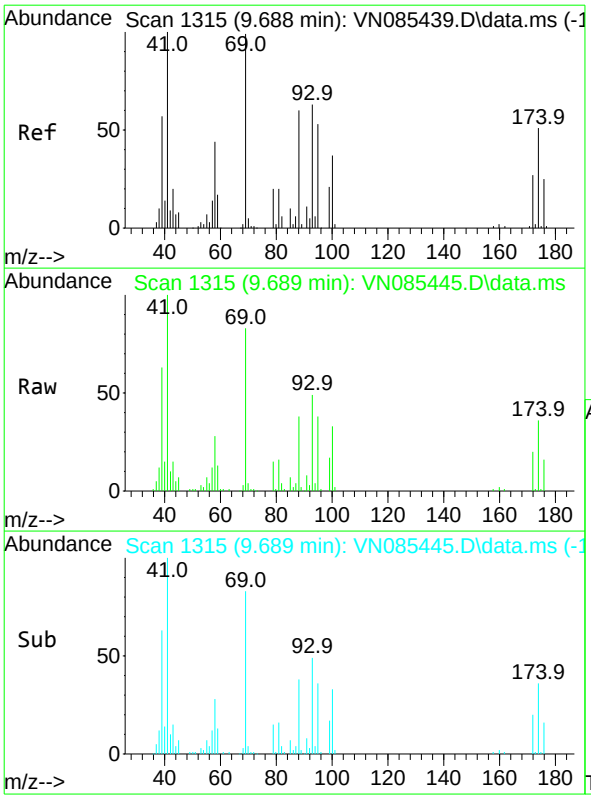


#48
Methyl methacrylate
Concen: 49.948 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 41 Resp: 131142

Ion	Ratio	Lower	Upper
41	100		
69	78.6	64.7	97.1
39	63.3	49.0	73.6





#49
1,4-Dioxane
Concen: 792.760 ug/l
RT: 9.689 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

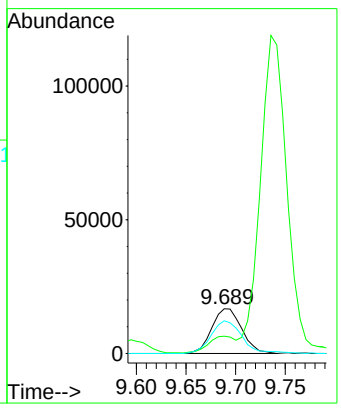
Tgt Ion: 88 Resp: 35051

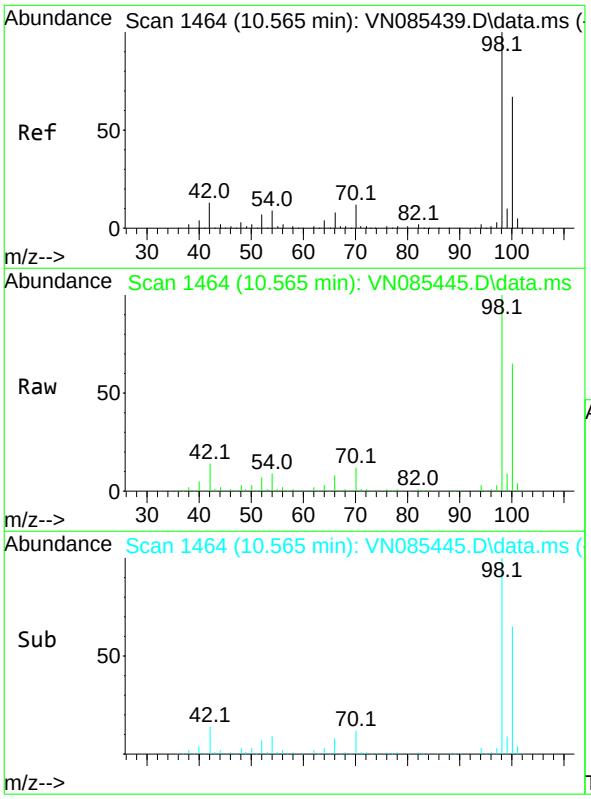
Ion	Ratio	Lower	Upper
88	100		
43	33.8	26.6	39.8
58	76.1	59.5	89.3

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

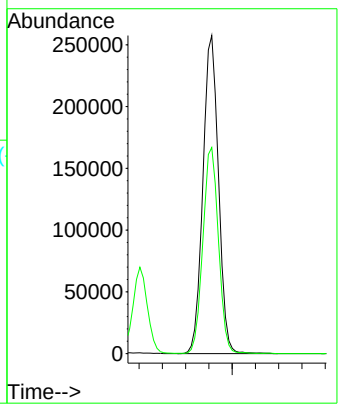


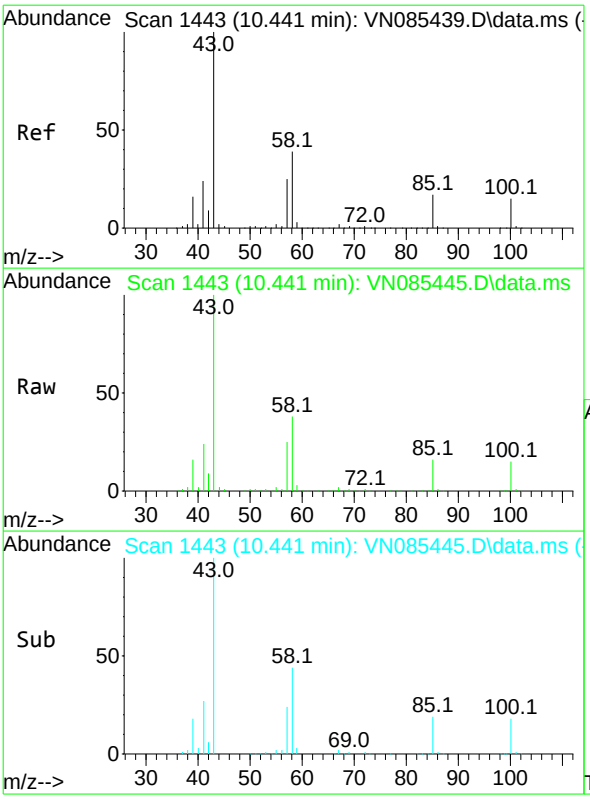


#50
Toluene-d8
Concen: 52.302 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 98 Resp: 477630

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.2	78.4

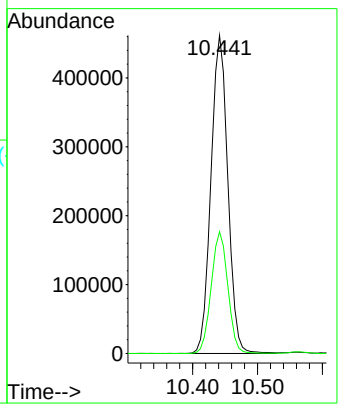




#51
4-Methyl-2-Pentanone
Concen: 245.877 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 43 Resp: 832426

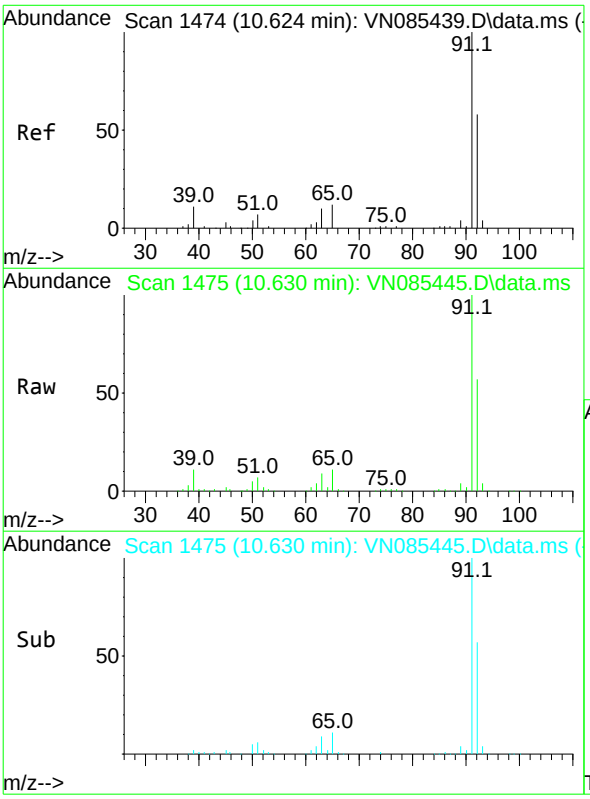
Ion	Ratio	Lower	Upper
43	100		
58	37.8	30.5	45.7



Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Manual Integrations
APPROVED

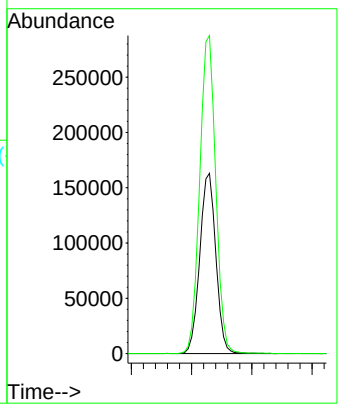
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

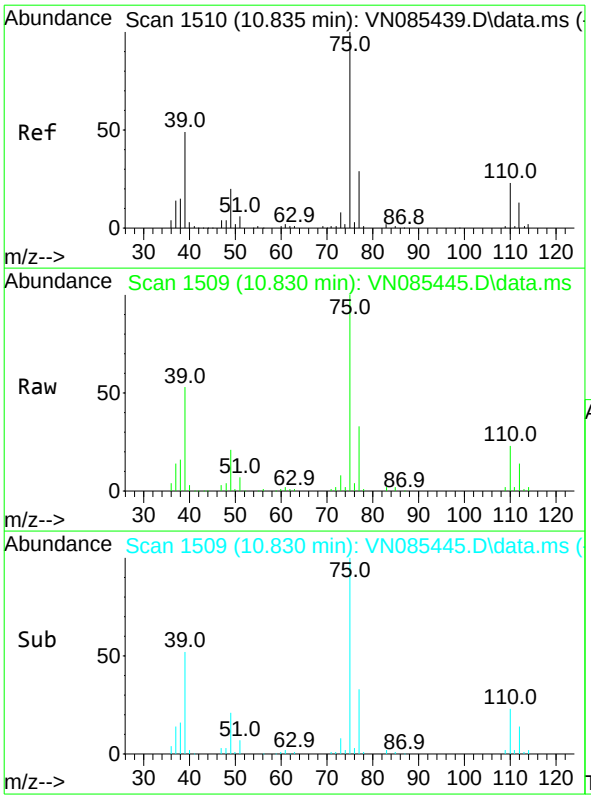


#52
Toluene
Concen: 48.073 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 92 Resp: 301911

Ion	Ratio	Lower	Upper
92	100		
91	175.7	139.2	208.8

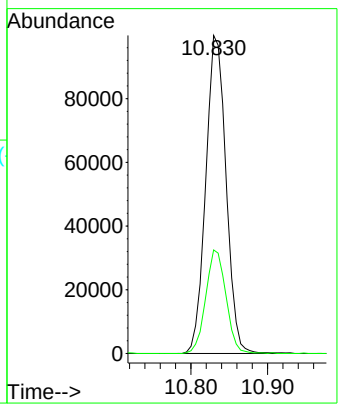




#53
t-1,3-Dichloropropene
Concen: 47.757 ug/l
RT: 10.830 min Scan# 15
Delta R.T. -0.006 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 75 Resp: 183680

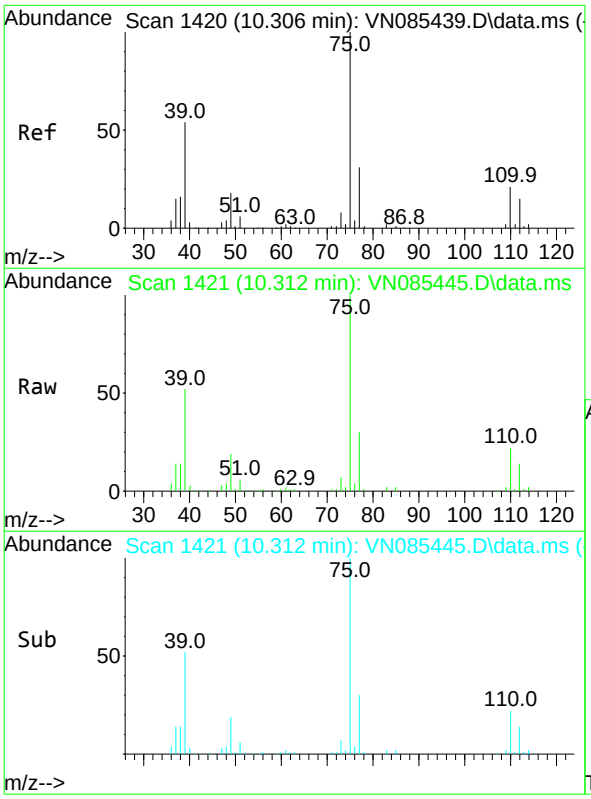
Ion	Ratio	Lower	Upper
75	100		
77	32.6	23.5	35.3



Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Manual Integrations
APPROVED

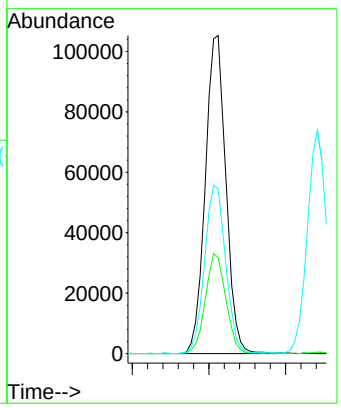
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

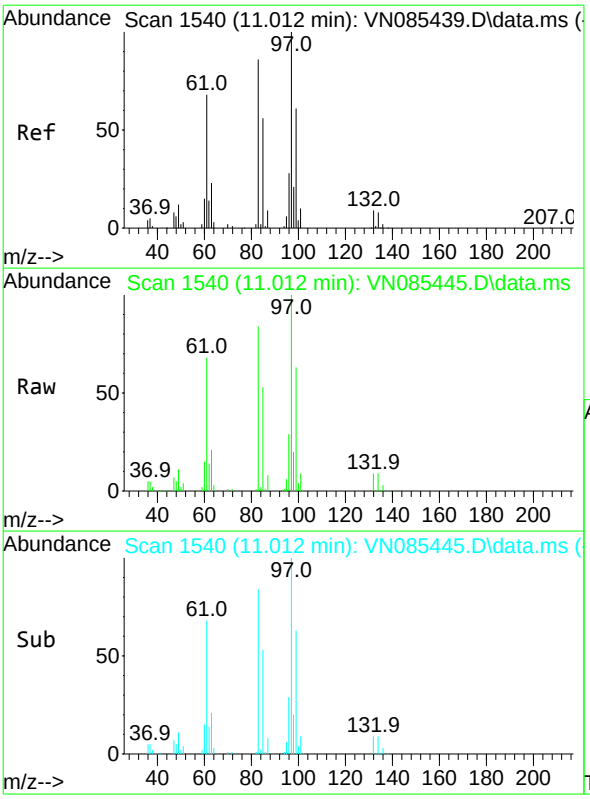


#54
cis-1,3-Dichloropropene
Concen: 47.783 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.006 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 75 Resp: 196307

Ion	Ratio	Lower	Upper
75	100		
77	30.2	25.0	37.4
39	51.9	43.1	64.7

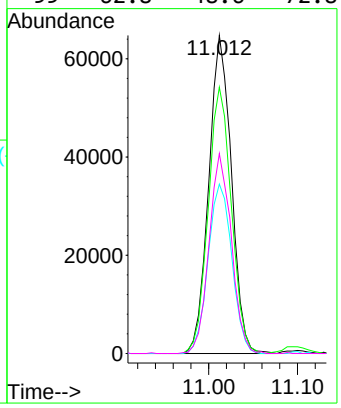




#55
1,1,2-Trichloroethane
Concen: 46.173 ug/l
RT: 11.012 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 97 Resp: 114757

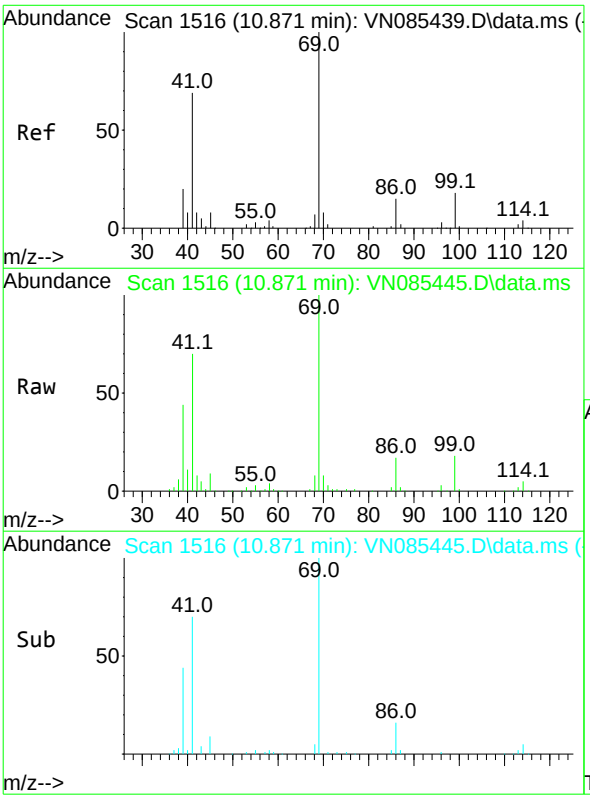
Ion	Ratio	Lower	Upper
97	100		
83	83.7	69.0	103.6
85	53.2	44.6	66.8
99	62.8	48.6	72.8



Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Manual Integrations
APPROVED

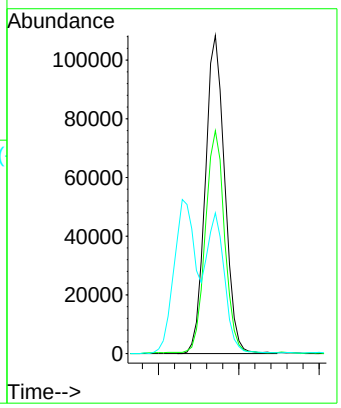
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

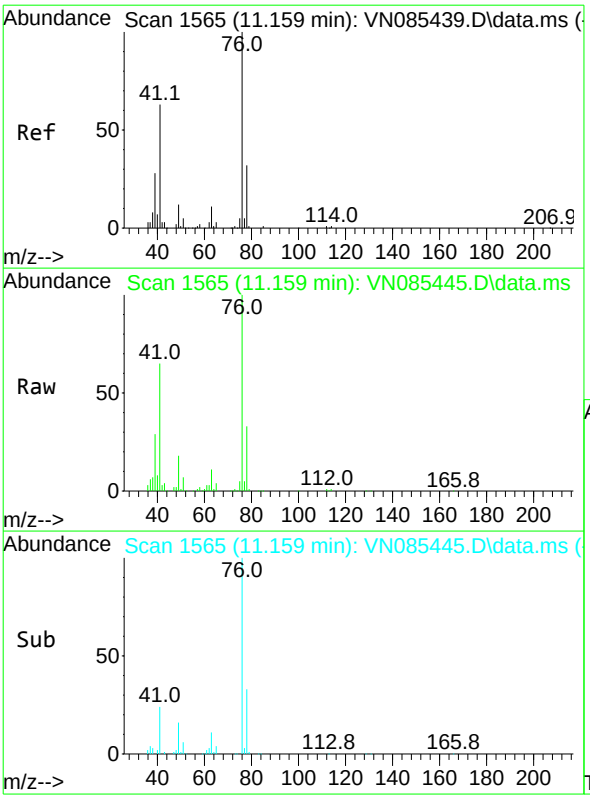


#56
Ethyl methacrylate
Concen: 43.762 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 69 Resp: 182170

Ion	Ratio	Lower	Upper
69	100		
41	70.4	54.6	82.0
39	40.2	32.4	48.6

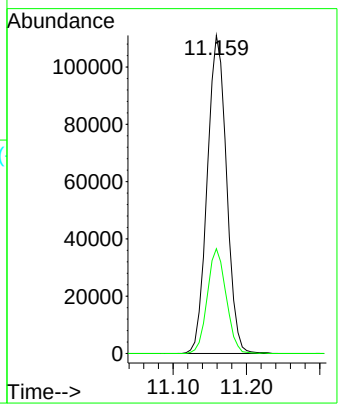




#57
1,3-Dichloropropane
Concen: 46.877 ug/l
RT: 11.159 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 76 Resp: 202583

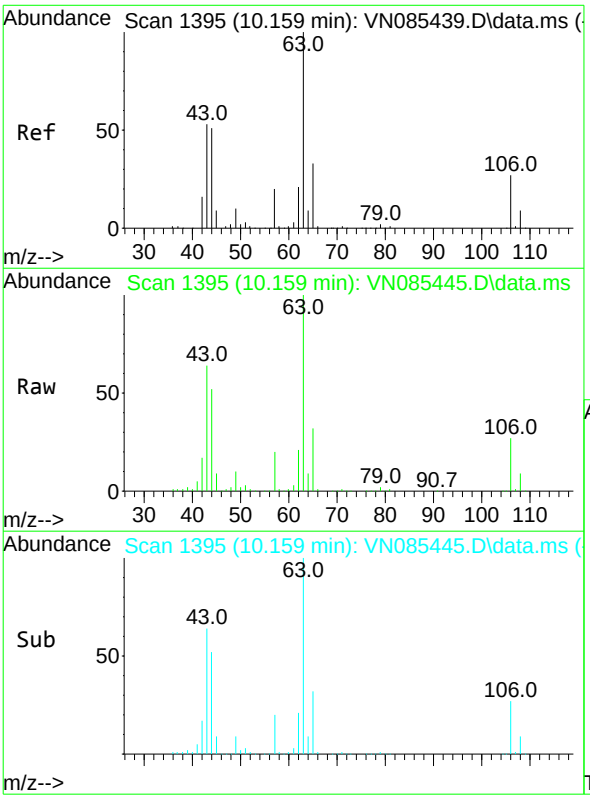
Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.6	38.4



Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Manual Integrations
APPROVED

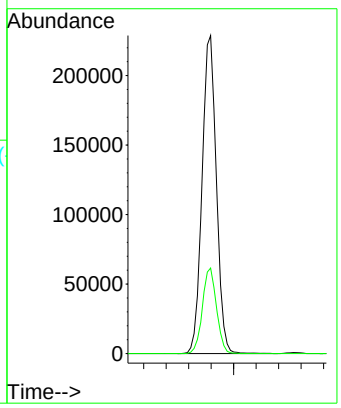
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

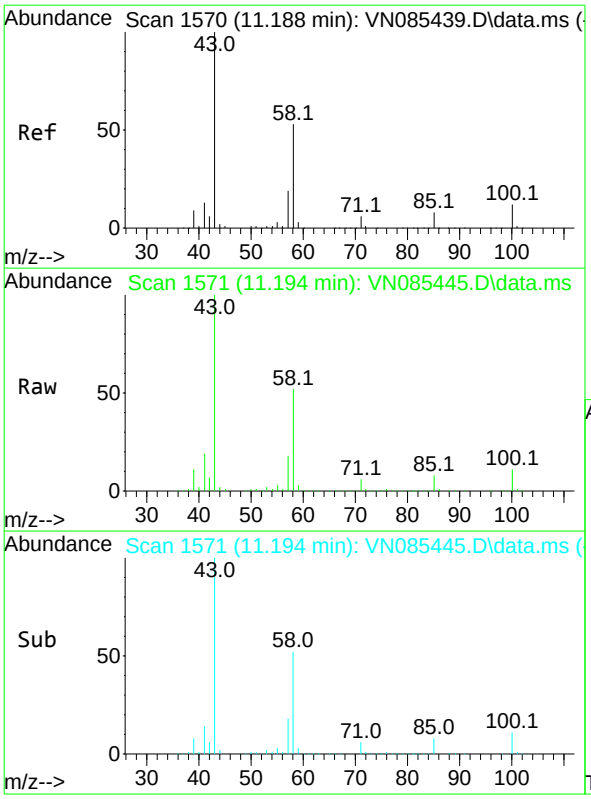


#58
2-Chloroethyl Vinyl ether
Concen: 256.116 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 63 Resp: 403949

Ion	Ratio	Lower	Upper
63	100		
106	26.4	21.6	32.4





#59
2-Hexanone
Concen: 251.213 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

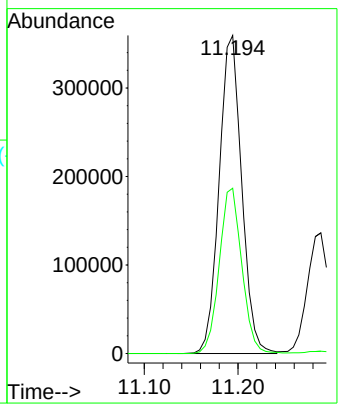
Tgt Ion: 43 Resp: 598433

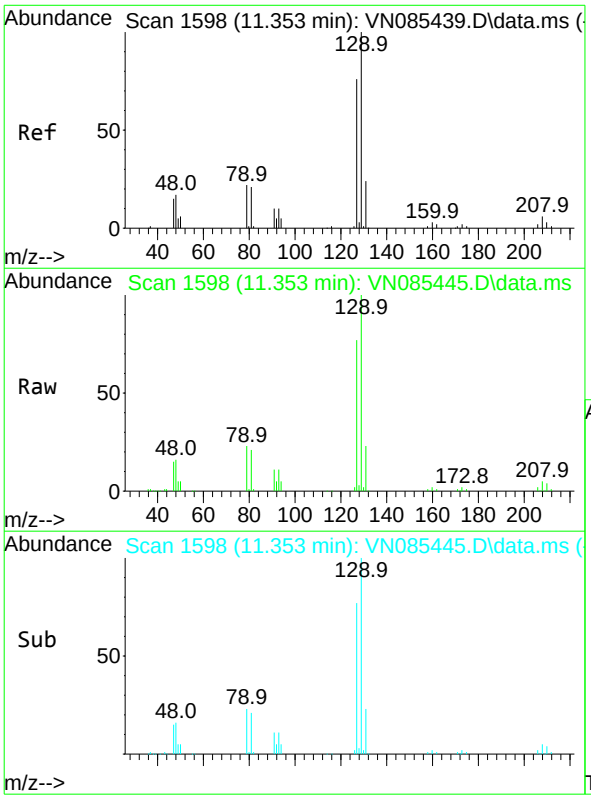
Ion	Ratio	Lower	Upper
43	100		
58	52.1	26.2	78.6

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

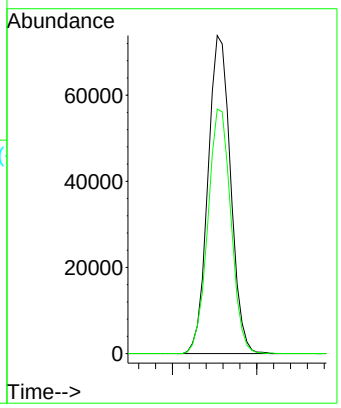


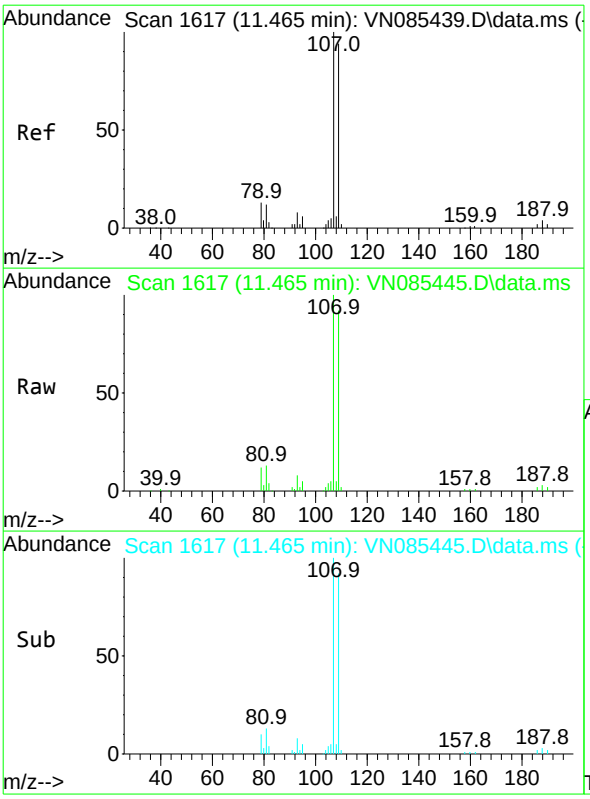


#60
Dibromochloromethane
Concen: 45.935 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion:129 Resp: 137831

Ion	Ratio	Lower	Upper
129	100		
127	78.1	38.6	115.8

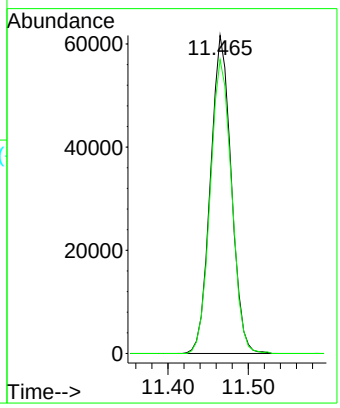




#61
1,2-Dibromoethane
Concen: 44.837 ug/l
RT: 11.465 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion:107 Resp: 110926

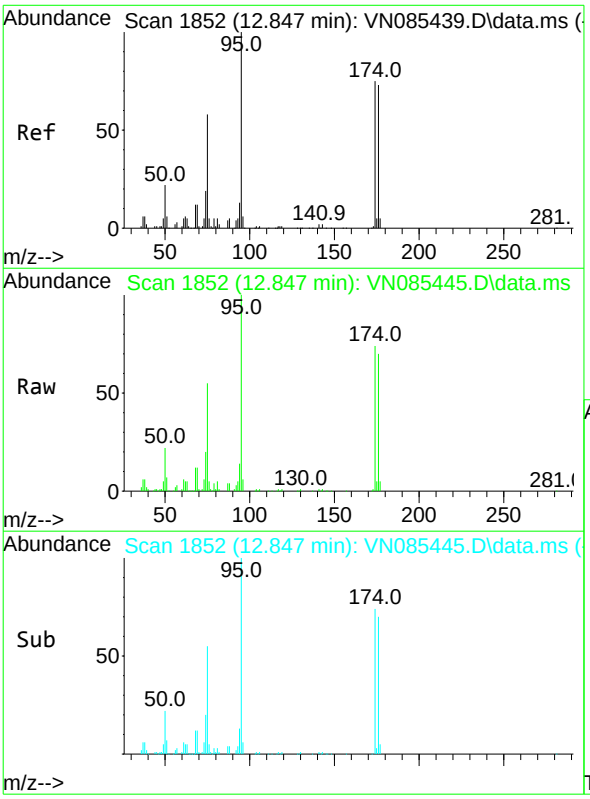
Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.9	113.9



Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Manual Integrations APPROVED

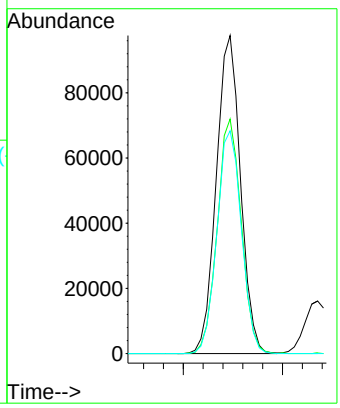
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

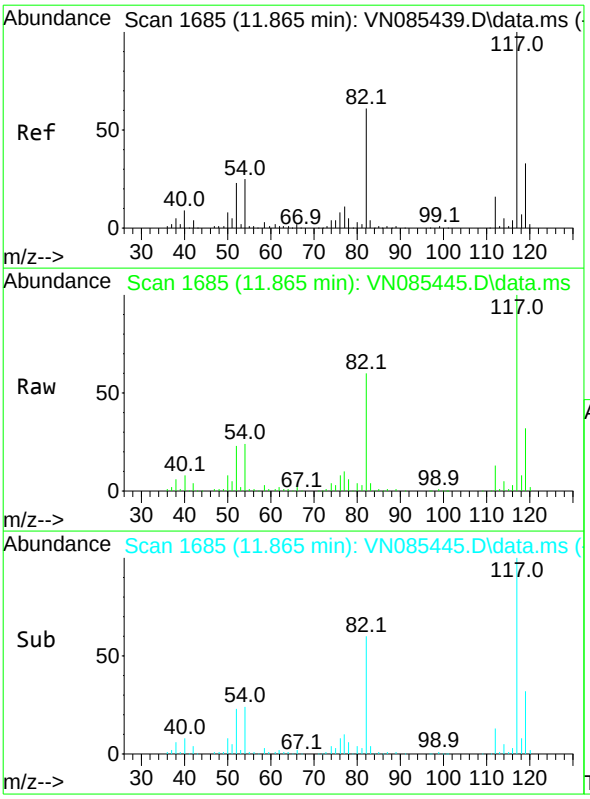


#62
4-Bromofluorobenzene
Concen: 52.899 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 95 Resp: 165249

Ion	Ratio	Lower	Upper
95	100		
174	73.1	0.0	145.0
176	70.8	0.0	142.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

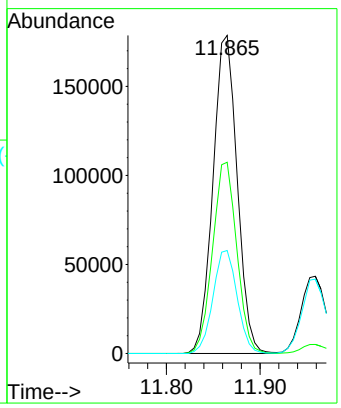
Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

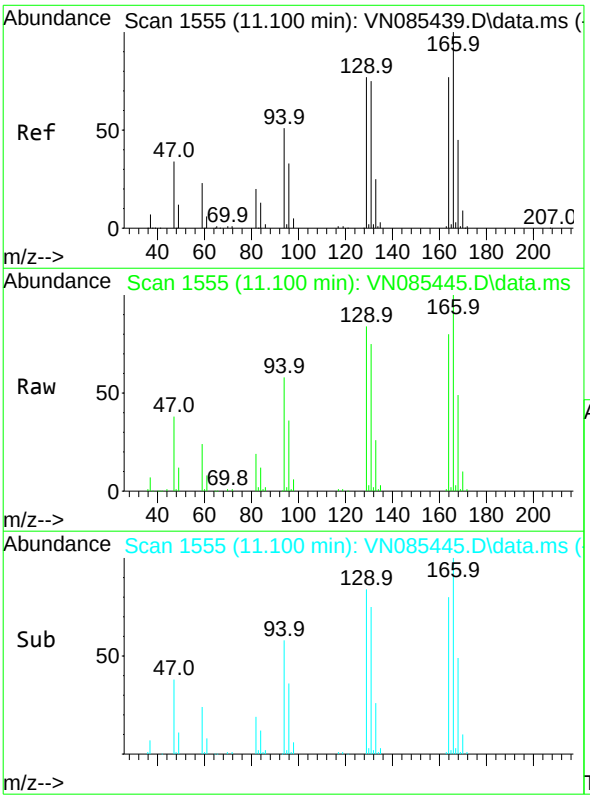
Tgt Ion:117 Resp: 320948

Ion	Ratio	Lower	Upper
117	100		
82	60.1	48.6	72.8
119	32.4	26.6	39.8

Manual Integrations
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Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

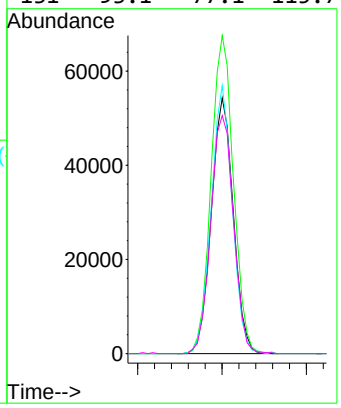


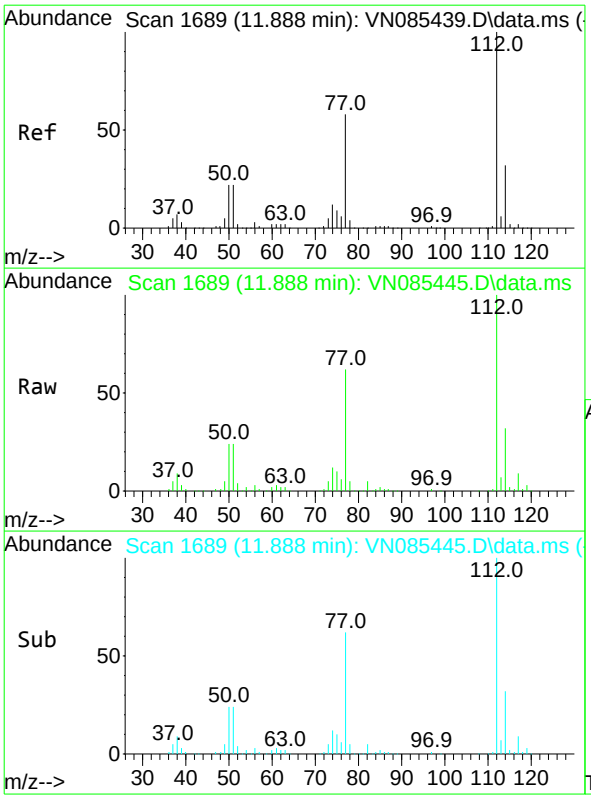


#64
Tetrachloroethene
Concen: 44.886 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion:164 Resp: 98211

Ion	Ratio	Lower	Upper
164	100		
166	124.4	103.4	155.2
129	104.8	79.2	118.8
131	93.1	77.1	115.7

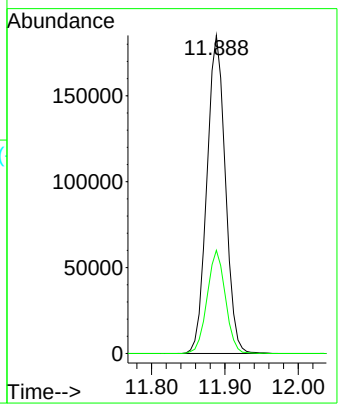




#65
Chlorobenzene
Concen: 45.901 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion:112 Resp: 322723

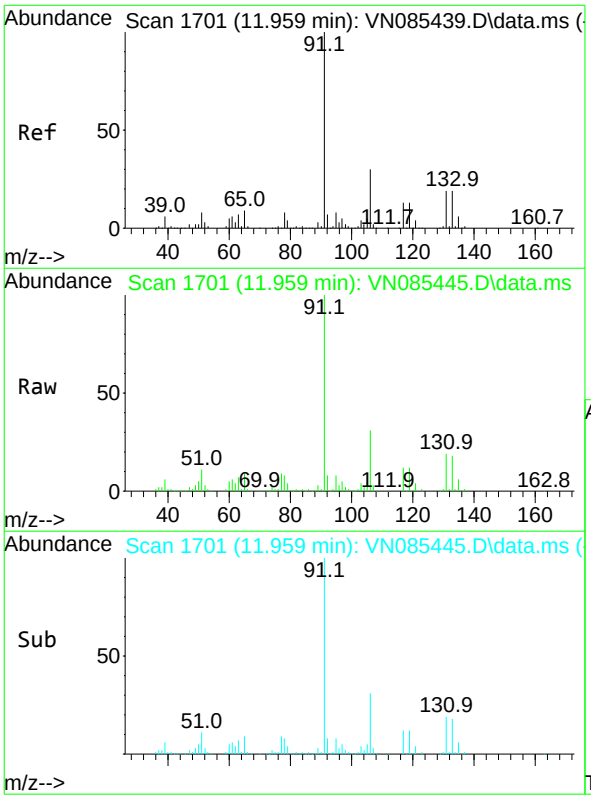
Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.3	37.9



Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Manual Integrations
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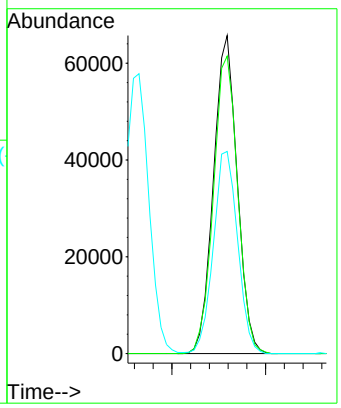
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

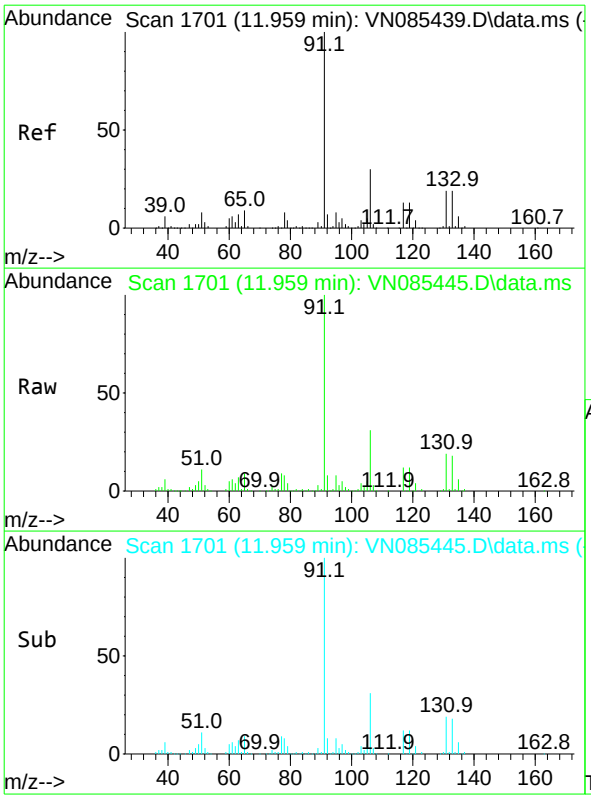


#66
1,1,1,2-Tetrachloroethane
Concen: 44.712 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion:131 Resp: 115379

Ion	Ratio	Lower	Upper
131	100		
133	95.8	47.4	142.3
119	65.2	33.1	99.5

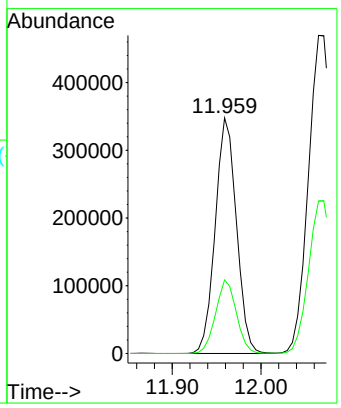




#67
Ethyl Benzene
Concen: 50.391 ug/l
RT: 11.959 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 91 Resp: 577059

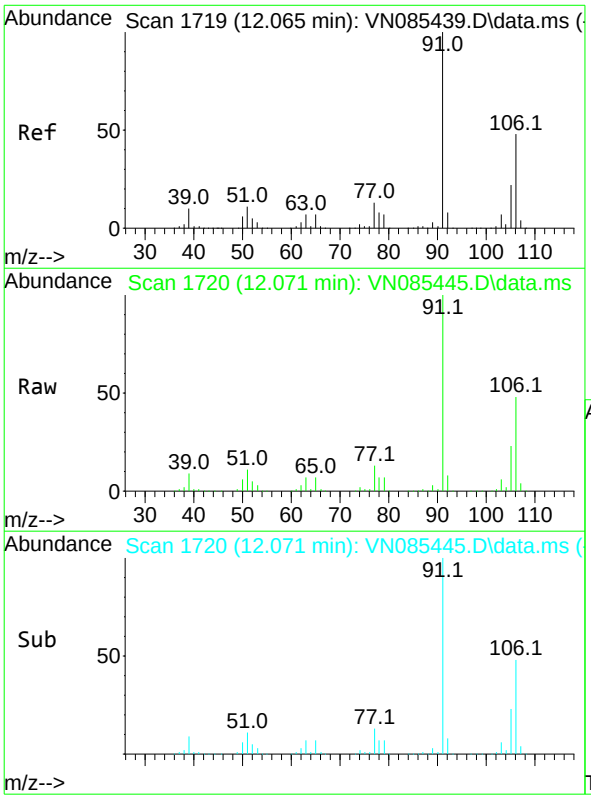
Ion	Ratio	Lower	Upper
91	100		
106	31.2	23.8	35.8



Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Manual Integrations
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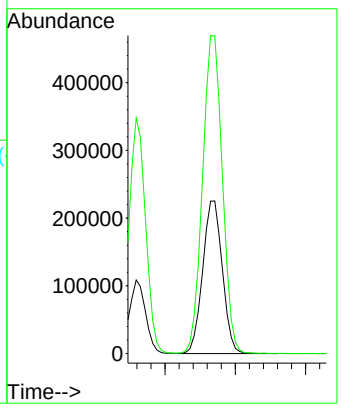
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

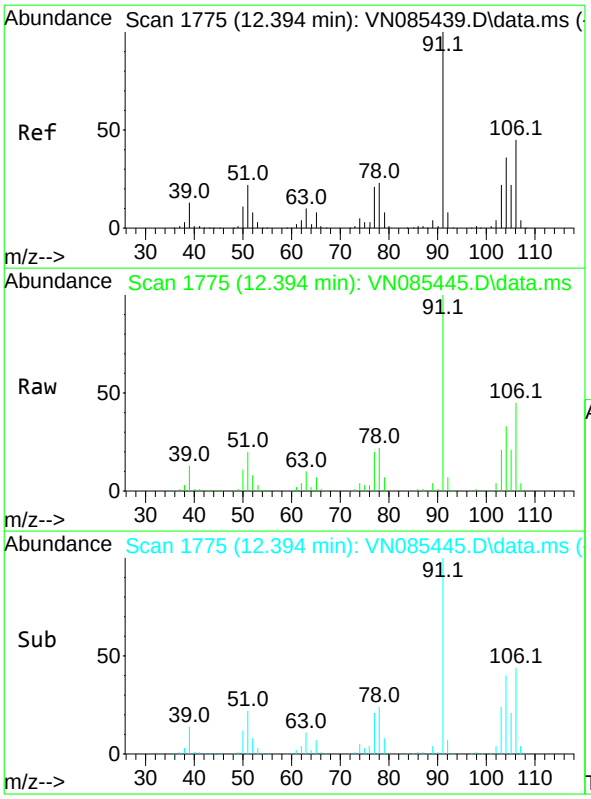


#68
m/p-Xylenes
Concen: 103.341 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.006 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion:106 Resp: 437367

Ion	Ratio	Lower	Upper
106	100		
91	210.1	167.7	251.5

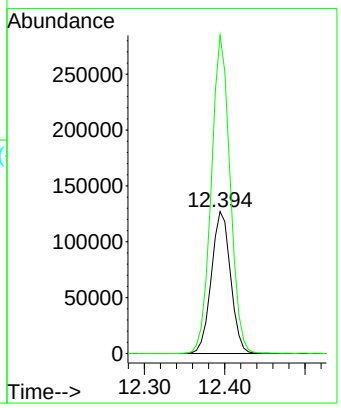




#69
o-Xylene
Concen: 52.093 ug/l
RT: 12.394 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion:106 Resp: 210698

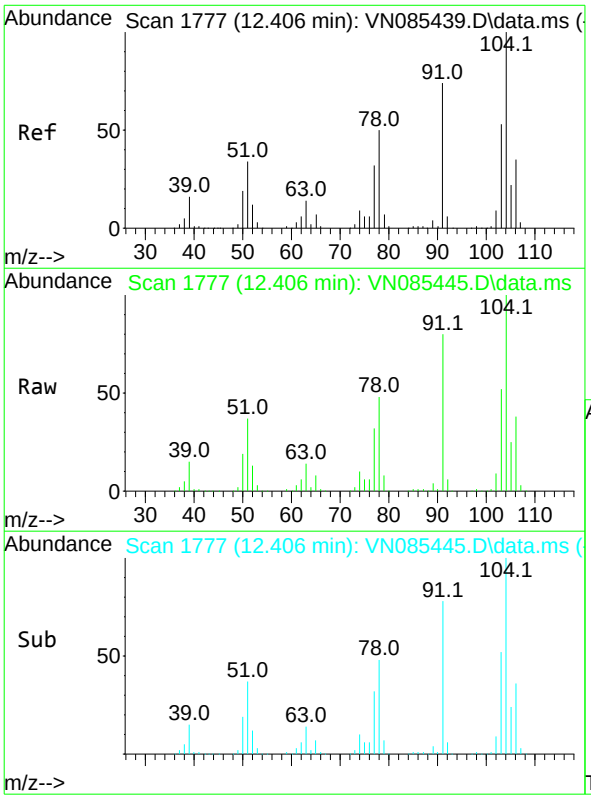
Ion	Ratio	Lower	Upper
106	100		
91	219.9	110.4	331.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Manual Integrations
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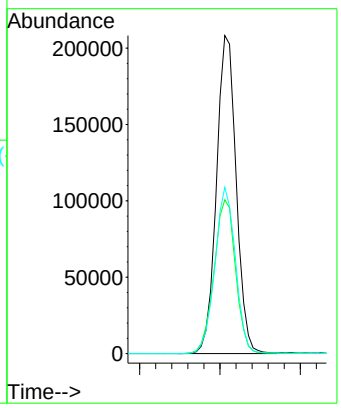
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

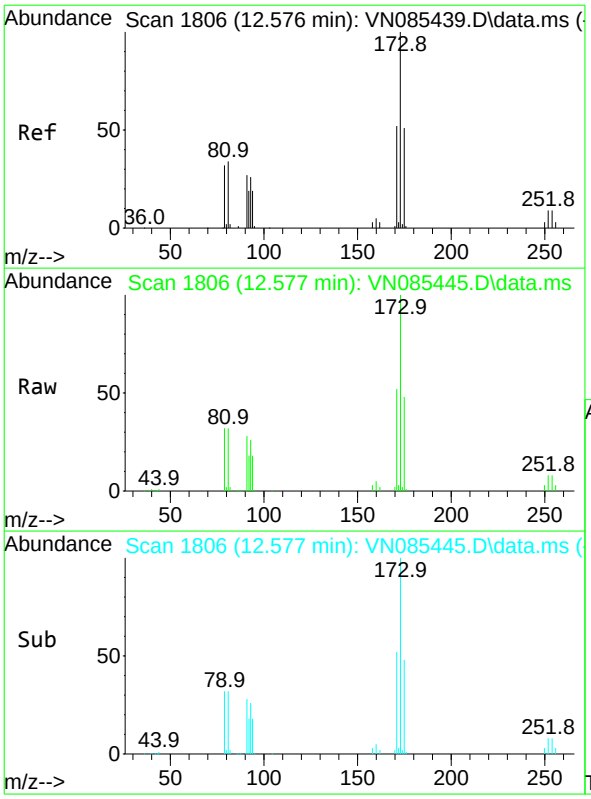


#70
Styrene
Concen: 53.103 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion:104 Resp: 355459

Ion	Ratio	Lower	Upper
104	100		
78	52.8	42.5	63.7
103	54.5	43.8	65.8





#71
Bromoform
Concen: 49.119 ug/l
RT: 12.577 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

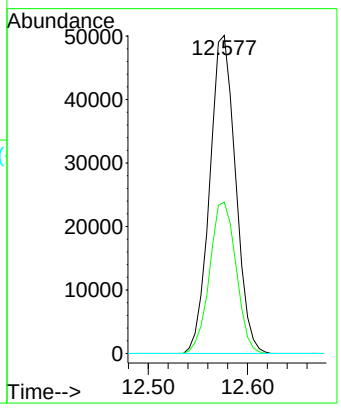
Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

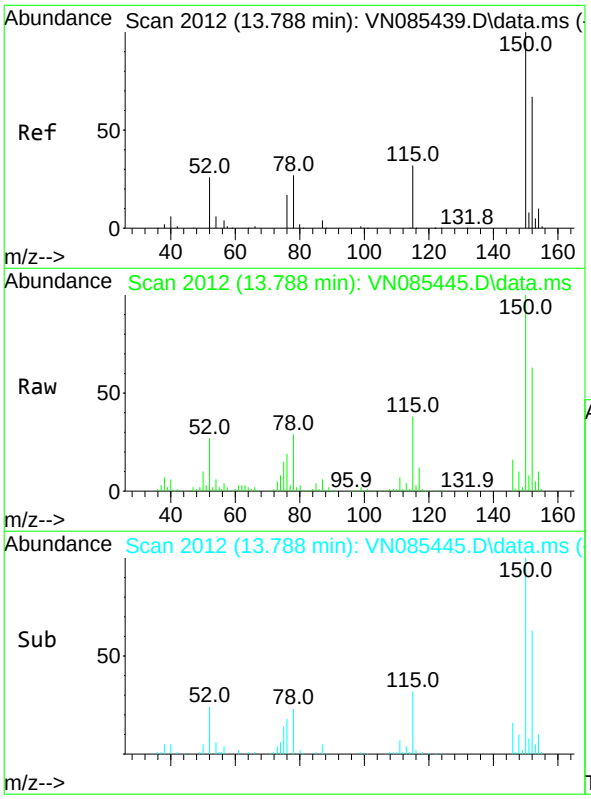
Tgt Ion:173 Resp: 90693

Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.4	73.2
254	0.0	0.0	0.0

Manual Integrations
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Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

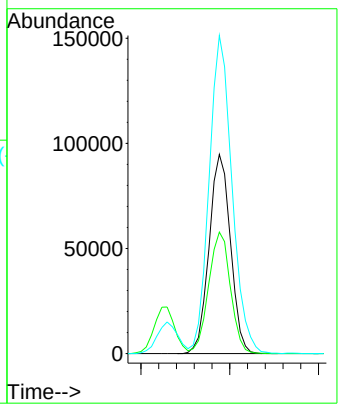


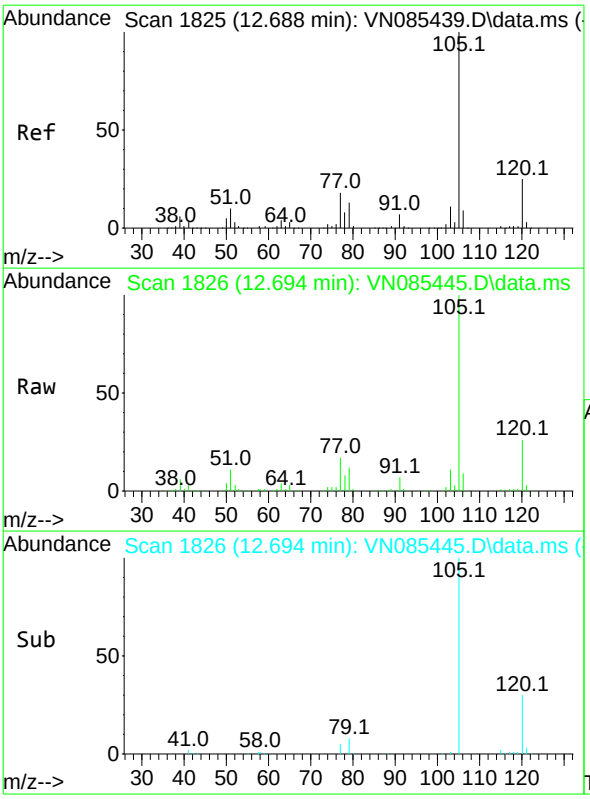


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion:152 Resp: 158525

Ion	Ratio	Lower	Upper
152	100		
115	62.2	31.1	93.3
150	171.0	0.0	343.6

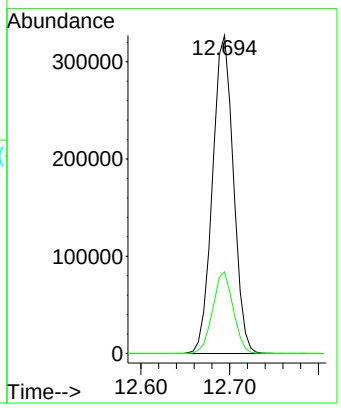




#73
Isopropylbenzene
Concen: 49.951 ug/l
RT: 12.694 min Scan# 18
Delta R.T. 0.006 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion:105 Resp: 534428

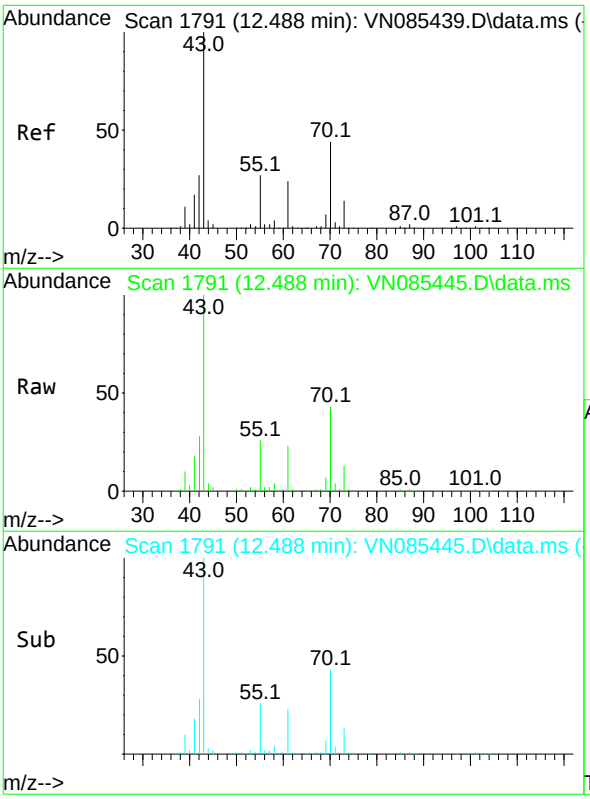
Ion	Ratio	Lower	Upper
105	100		
120	25.2	12.8	38.3



Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Manual Integrations APPROVED

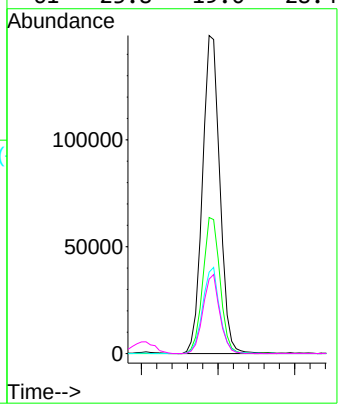
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

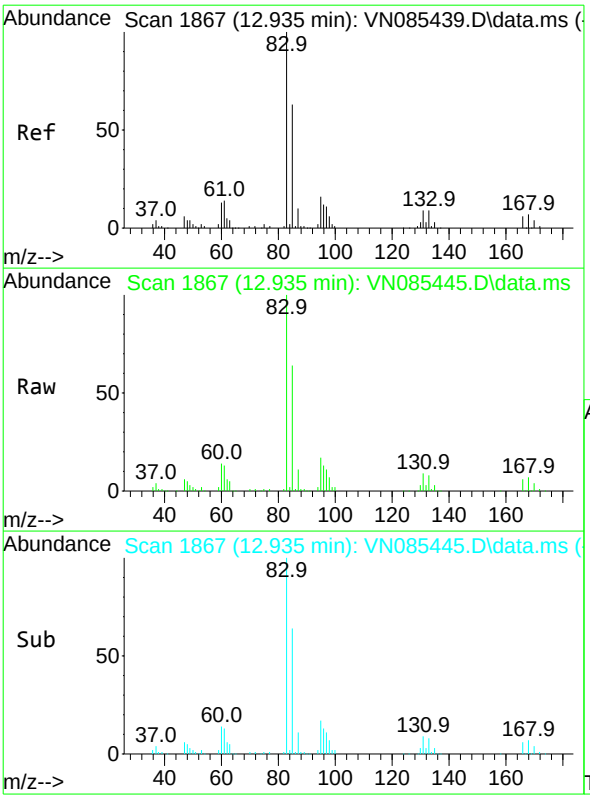


#74
N-amyl acetate
Concen: 48.730 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 43 Resp: 234342

Ion	Ratio	Lower	Upper
43	100		
70	42.2	34.0	51.0
55	26.5	21.4	32.2
61	23.8	19.0	28.4

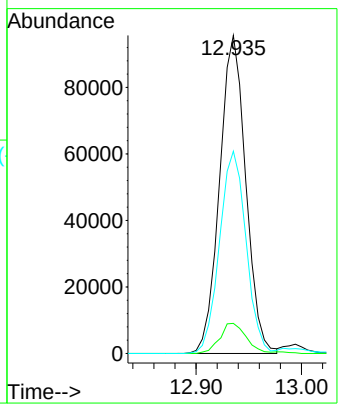




#75
1,1,2,2-Tetrachloroethane
Concen: 43.627 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 83 Resp: 164882

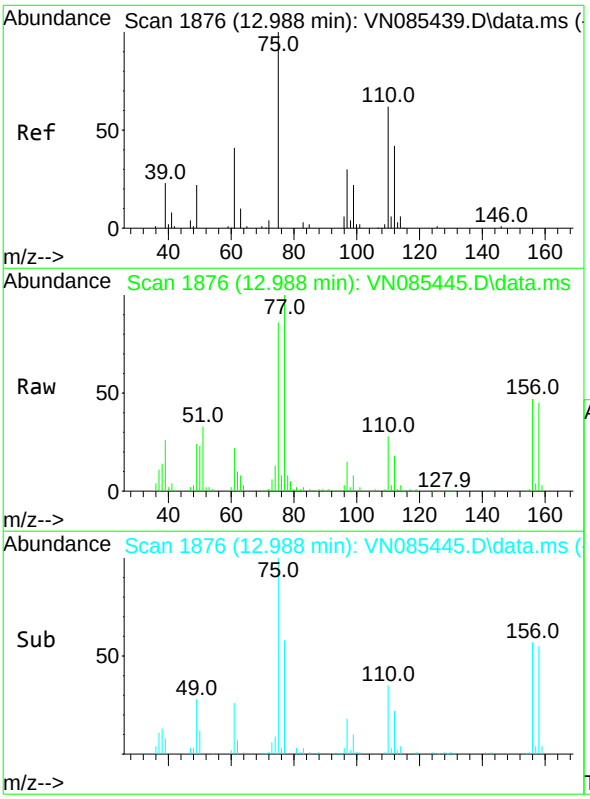
Ion	Ratio	Lower	Upper
83	100		
131	9.9	4.8	14.4
85	64.6	32.2	96.6



Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Manual Integrations APPROVED

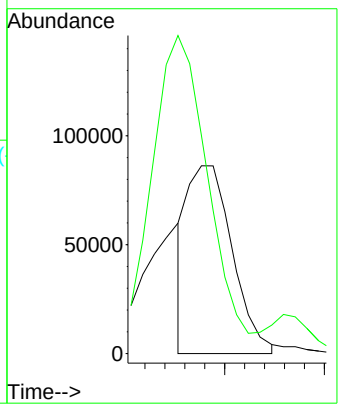
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

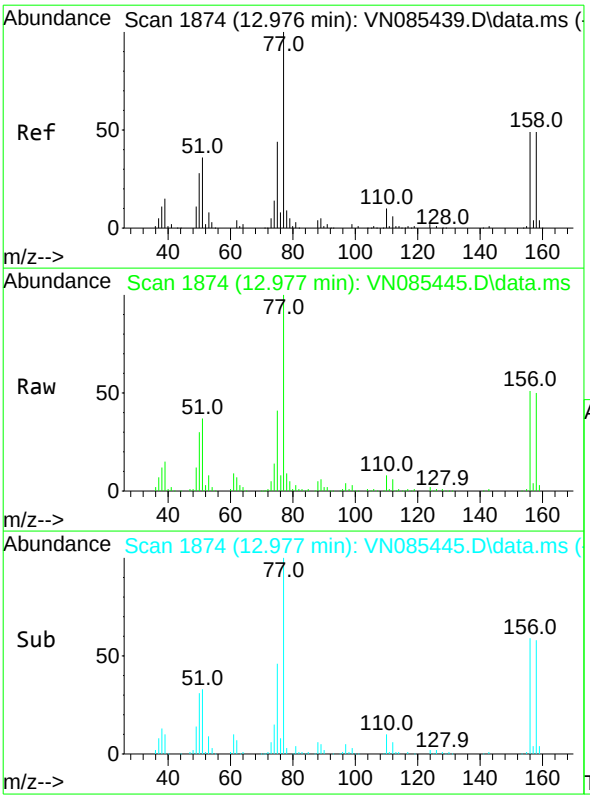


#76
1,2,3-Trichloropropane
Concen: 41.891 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 75 Resp: 134976

Ion	Ratio	Lower	Upper
75	100		
77	213.9	109.7	329.2

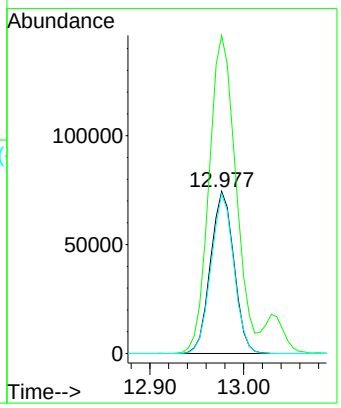




#77
Bromobenzene
Concen: 46.138 ug/l
RT: 12.977 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion:156 Resp: 128968

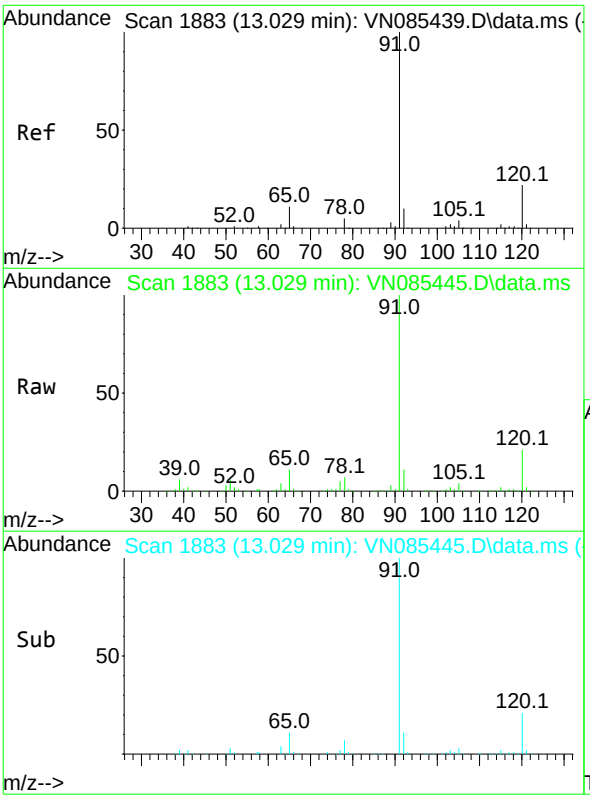
Ion	Ratio	Lower	Upper
156	100		
77	223.8	114.1	342.4
158	95.7	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Manual Integrations
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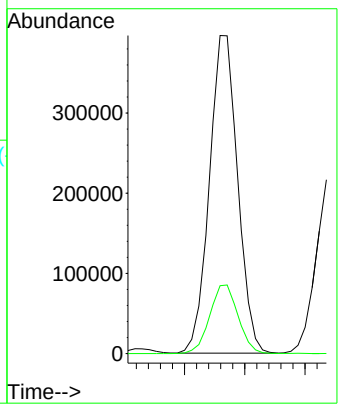
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

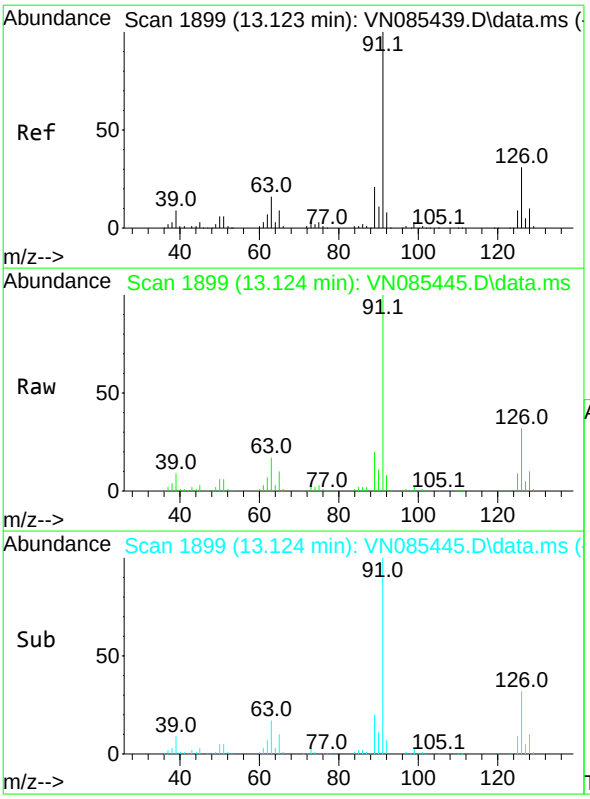


#78
n-propylbenzene
Concen: 51.001 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 91 Resp: 645977

Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.9	32.6

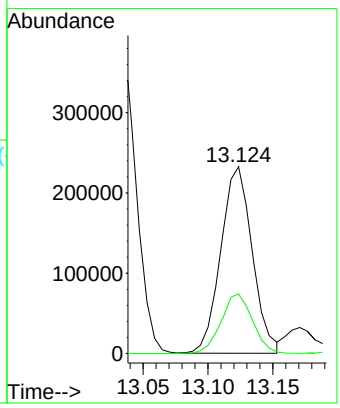




#79
2-Chlorotoluene
Concen: 47.870 ug/l
RT: 13.124 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 91 Resp: 392404

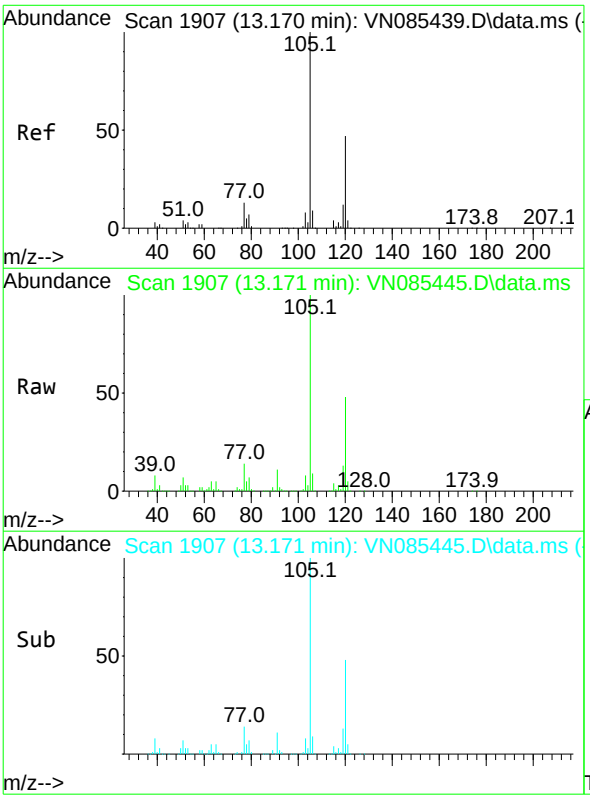
Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Manual Integrations
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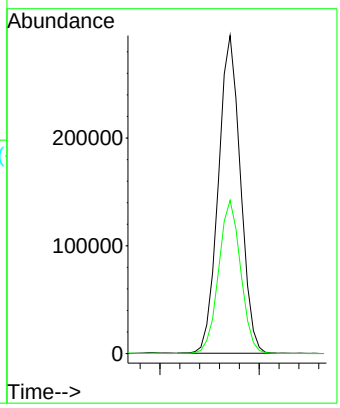
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

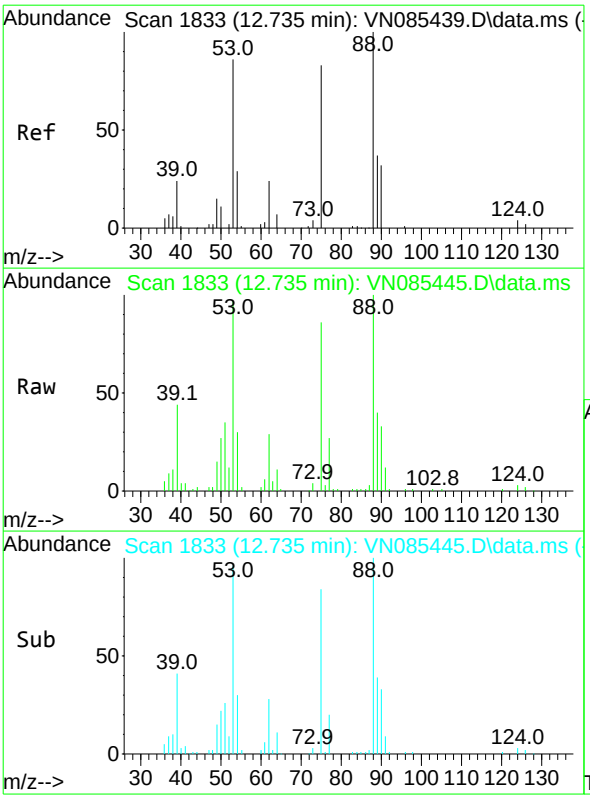


#80
1,3,5-Trimethylbenzene
Concen: 51.604 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion:105 Resp: 456048

Ion	Ratio	Lower	Upper
105	100		
120	48.1	23.9	71.7

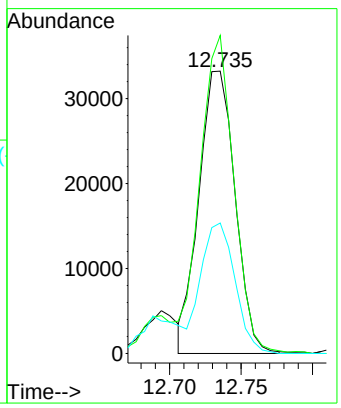




#81
trans-1,4-Dichloro-2-butene
Concen: 49.226 ug/l m
RT: 12.735 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 75 Resp: 58623

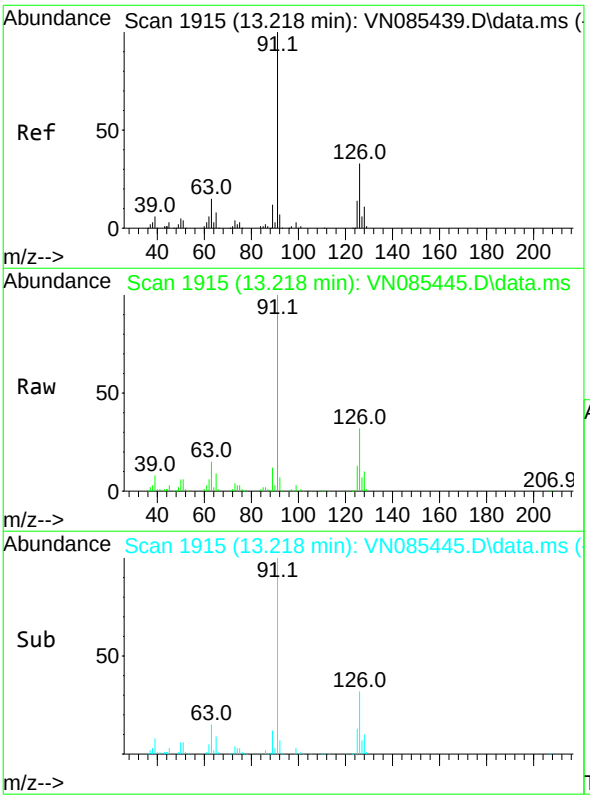
Ion	Ratio	Lower	Upper
75	100		
53	118.0	95.6	143.4
89	43.3	37.0	55.6



Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Manual Integrations
APPROVED

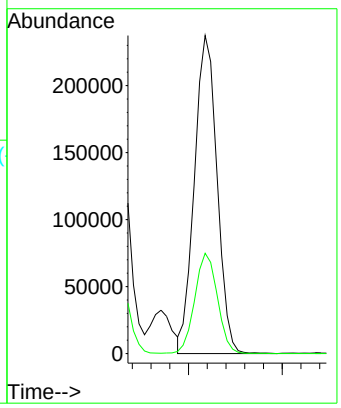
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

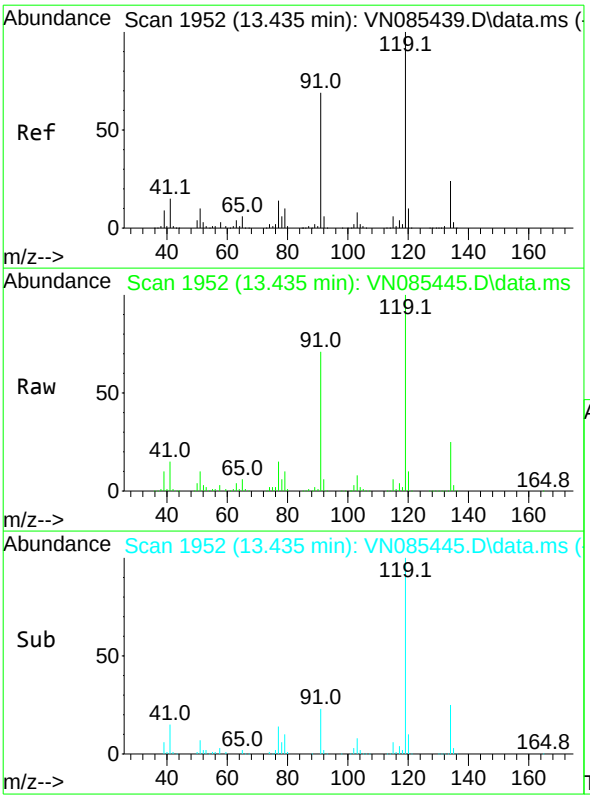


#82
4-Chlorotoluene
Concen: 48.776 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 91 Resp: 398110

Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.9	47.7





#83
tert-Butylbenzene
Concen: 50.997 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

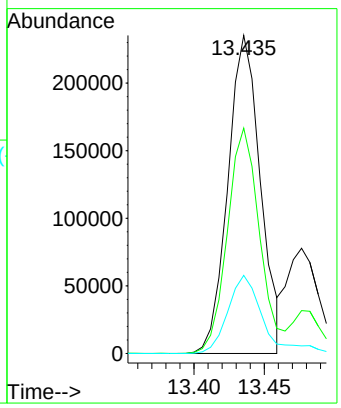
Tgt Ion:119 Resp: 378478

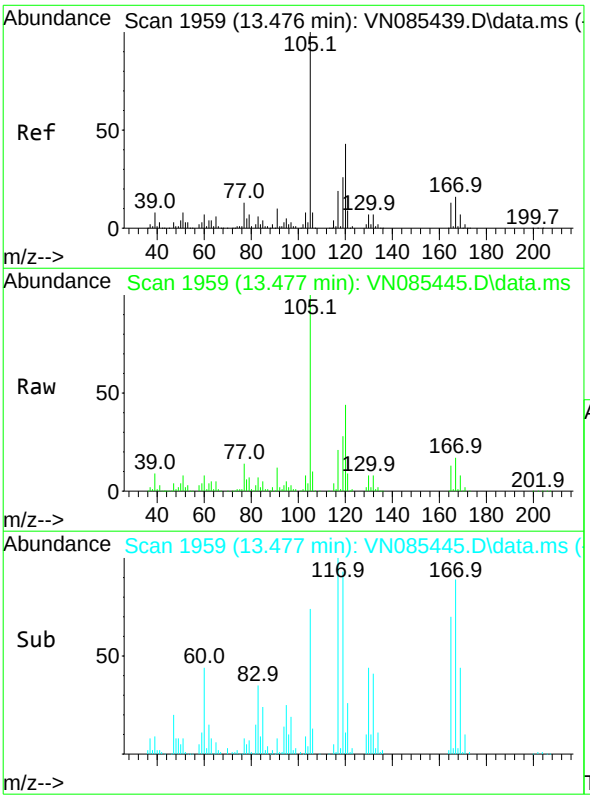
Ion	Ratio	Lower	Upper
119	100		
91	70.6	35.1	105.3
134	26.7	12.0	36.1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

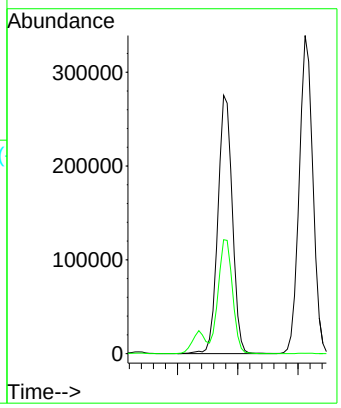


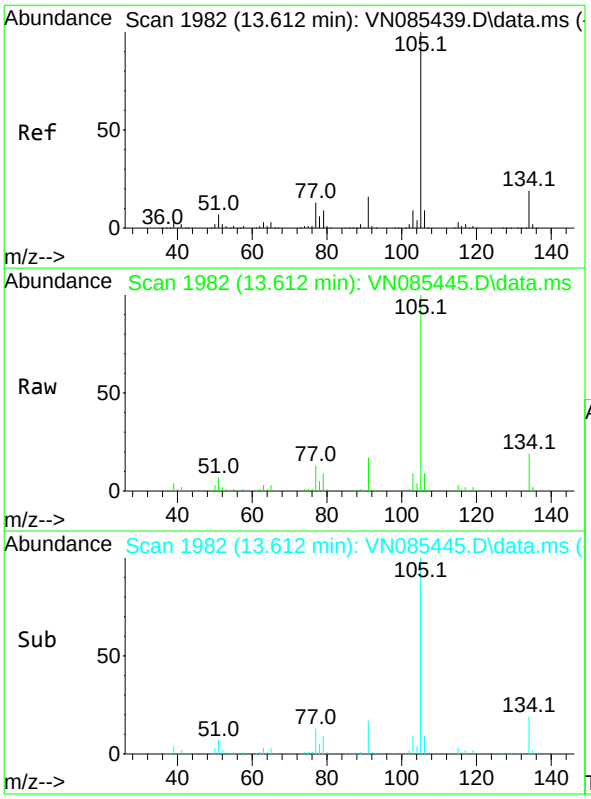


#84
1,2,4-Trimethylbenzene
Concen: 51.922 ug/l
RT: 13.477 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion:105 Resp: 457340

Ion	Ratio	Lower	Upper
105	100		
120	43.6	21.6	65.0

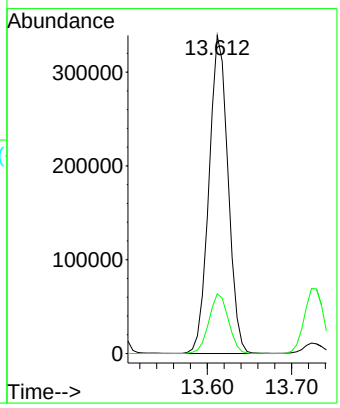




#85
sec-Butylbenzene
Concen: 51.777 ug/l
RT: 13.612 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion:105 Resp: 532578

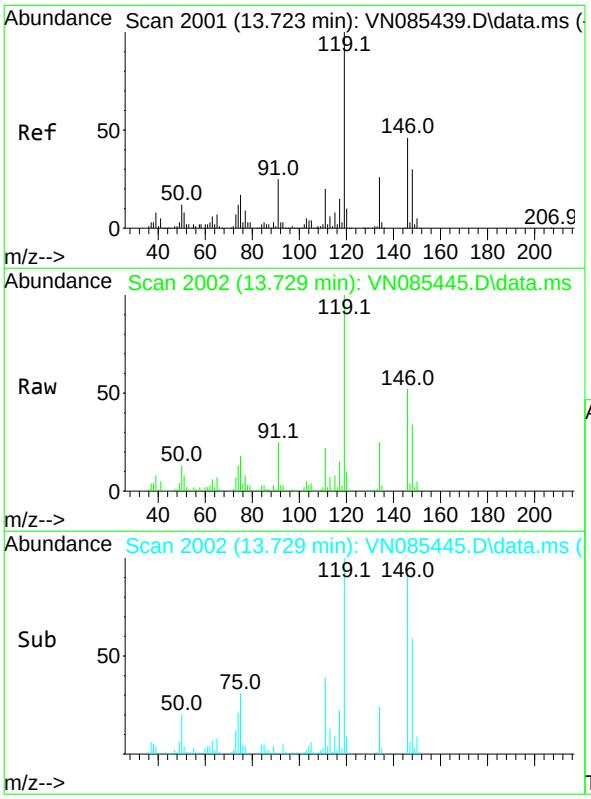
Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.7	28.9



Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Manual Integrations
APPROVED

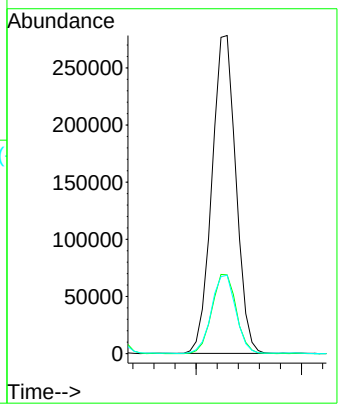
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

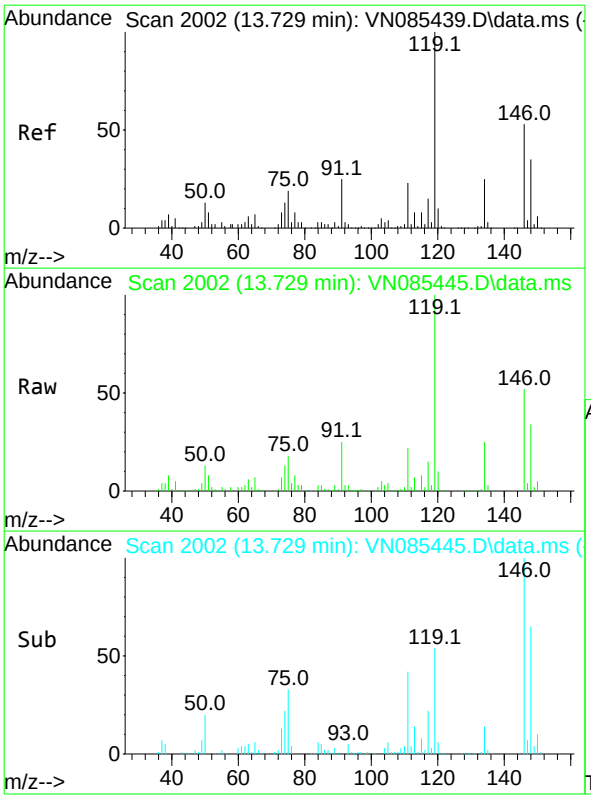


#86
p-Isopropyltoluene
Concen: 47.795 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion:119 Resp: 440284

Ion	Ratio	Lower	Upper
119	100		
134	25.3	12.7	38.0
91	25.0	12.7	38.1

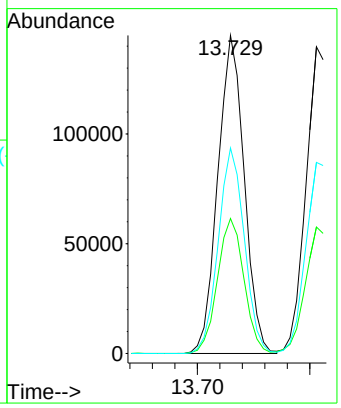




#87
1,3-Dichlorobenzene
Concen: 45.920 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion:146 Resp: 236387

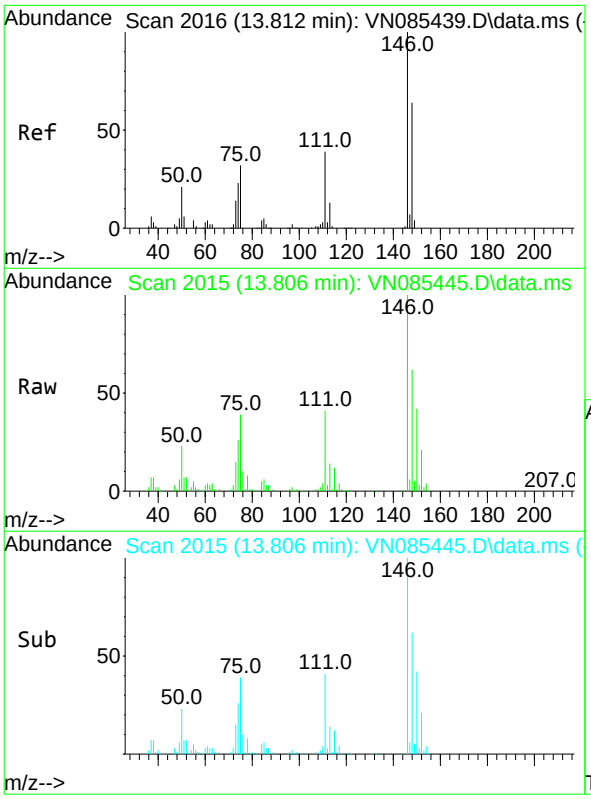
Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.4	64.3
148	63.8	32.3	96.9



Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Manual Integrations
APPROVED

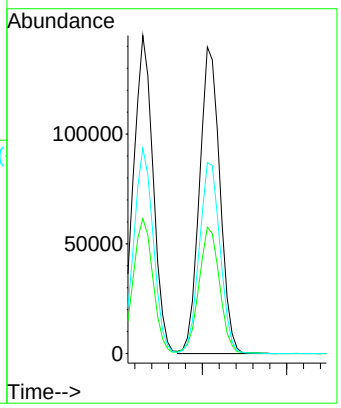
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

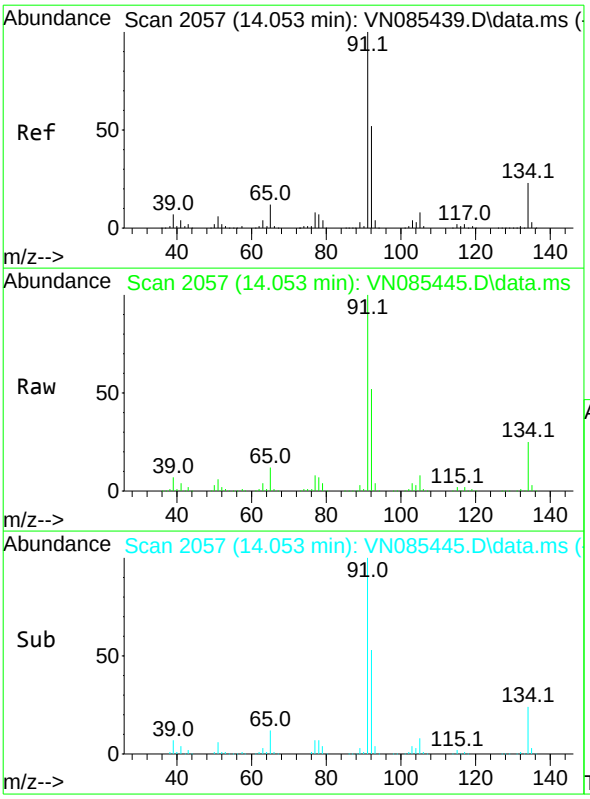


#88
1,4-Dichlorobenzene
Concen: 44.102 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. -0.006 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion:146 Resp: 235319

Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.3	63.7
148	63.5	32.4	97.0





#89
n-Butylbenzene
Concen: 50.578 ug/l
RT: 14.053 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

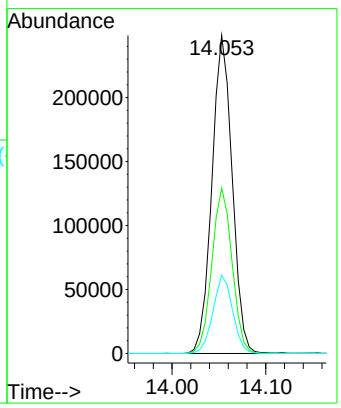
Tgt Ion: 91 Resp: 373227

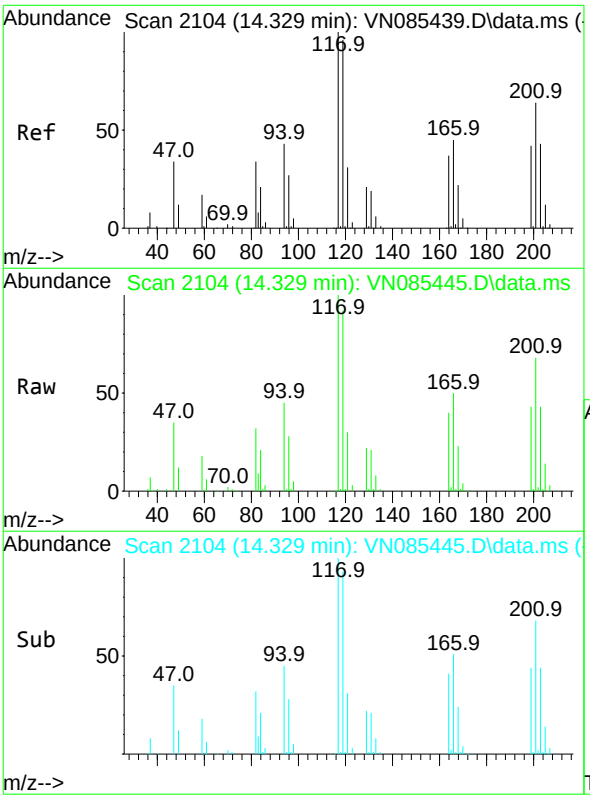
Ion	Ratio	Lower	Upper
91	100		
92	51.9	25.8	77.3
134	23.8	11.7	35.1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

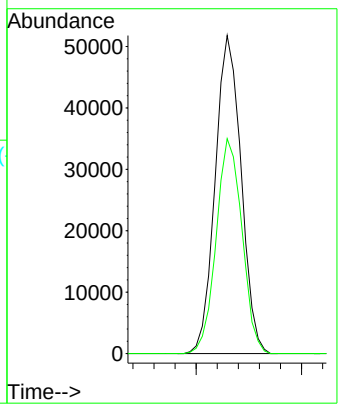


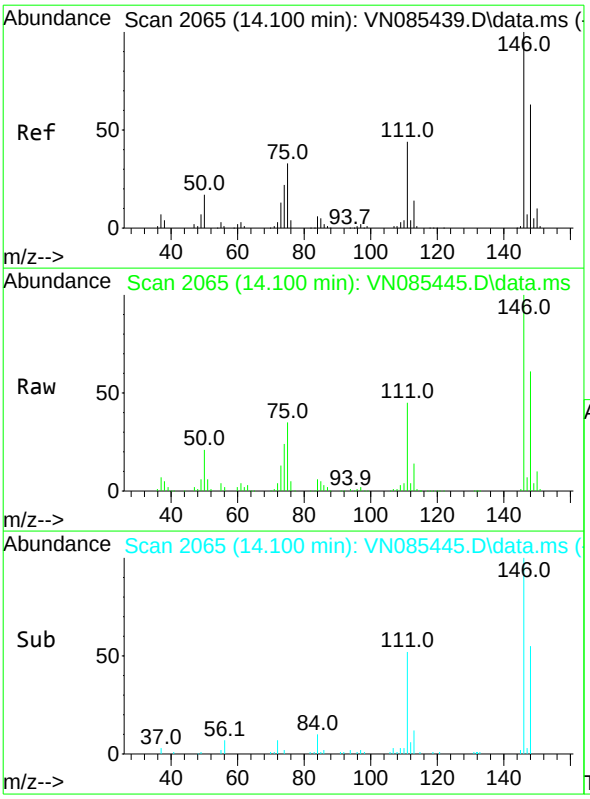


#90
Hexachloroethane
Concen: 45.215 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion:117 Resp: 88538

Ion	Ratio	Lower	Upper
117	100		
201	67.2	33.7	101.0

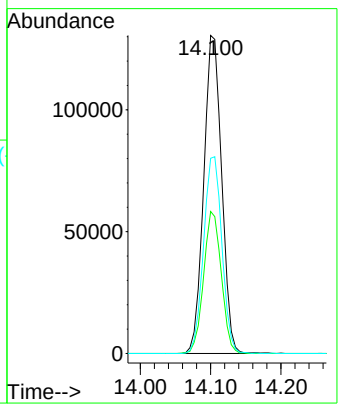




#91
1,2-Dichlorobenzene
Concen: 45.113 ug/l
RT: 14.100 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion:146 Resp: 231646

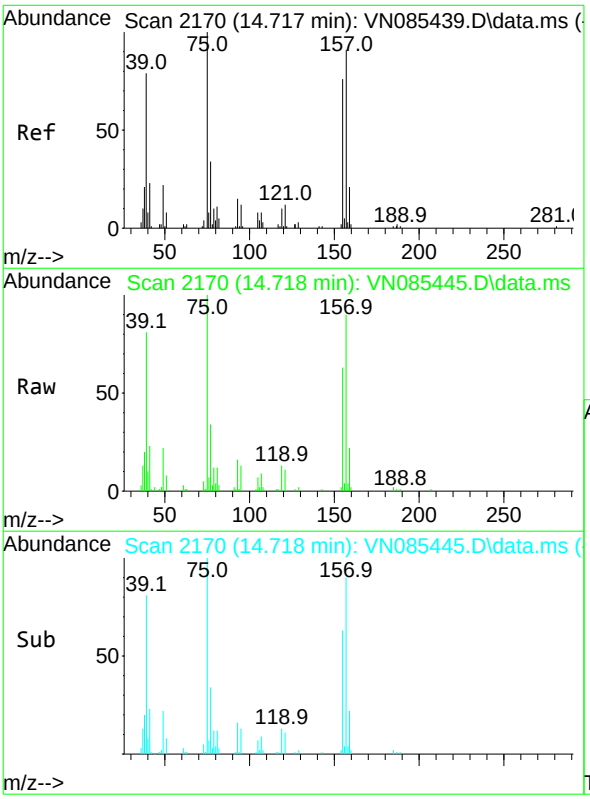
Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.7	65.1
148	63.1	31.4	94.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Manual Integrations
APPROVED

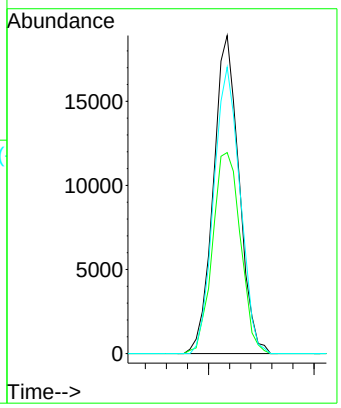
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

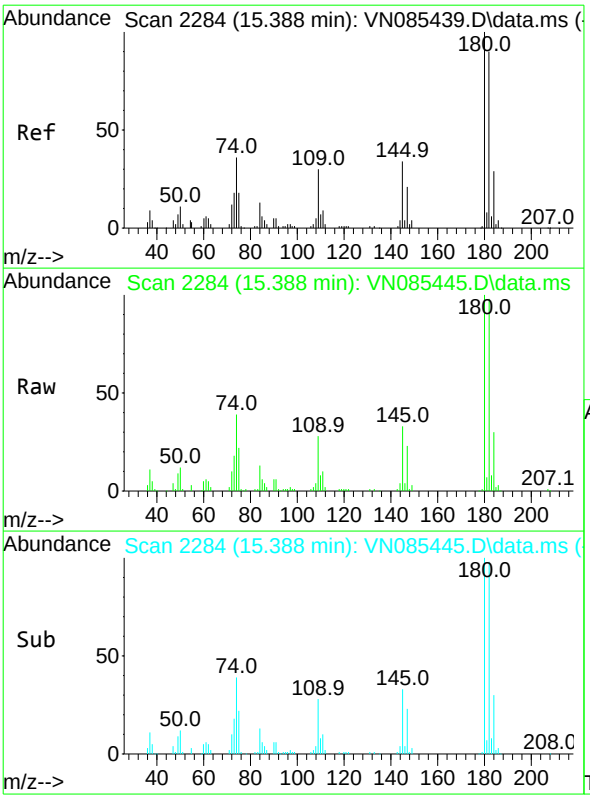


#92
1,2-Dibromo-3-Chloropropane
Concen: 46.221 ug/l
RT: 14.718 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 75 Resp: 31899

Ion	Ratio	Lower	Upper
75	100		
155	69.0	36.4	109.2
157	92.3	45.4	136.1





#93
1,2,4-Trichlorobenzene
Concen: 45.739 ug/l
RT: 15.388 min Scan# 22
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

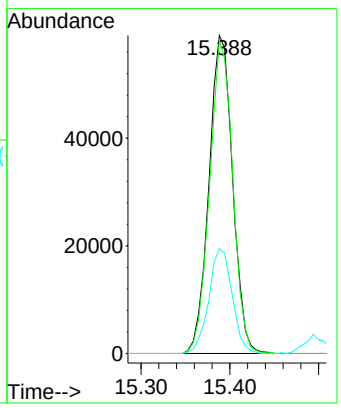
Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

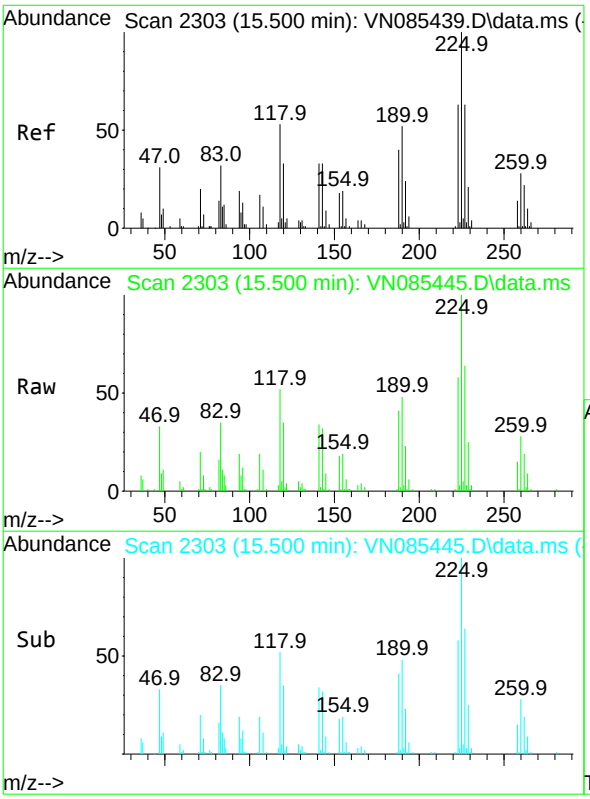
Tgt Ion:180 Resp: 109157

Ion	Ratio	Lower	Upper
180	100		
182	96.3	46.8	140.3
145	32.7	16.0	48.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

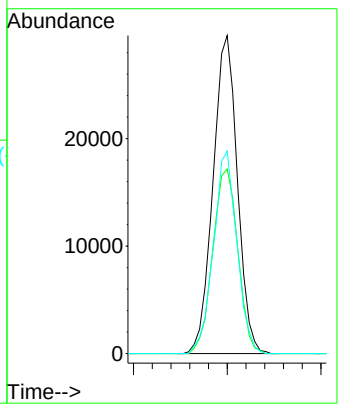


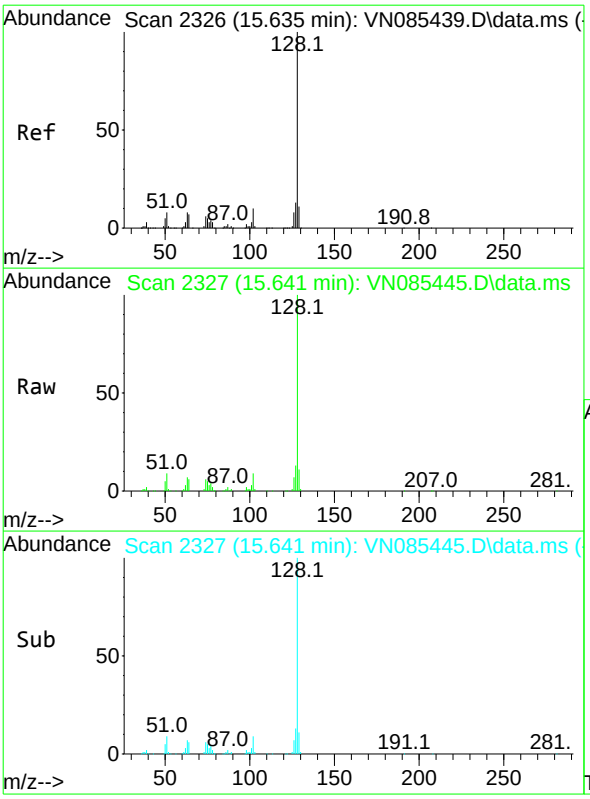


#94
Hexachlorobutadiene
Concen: 42.112 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion:225 Resp: 53358

Ion	Ratio	Lower	Upper
225	100		
223	59.8	30.7	92.1
227	61.2	30.9	92.5

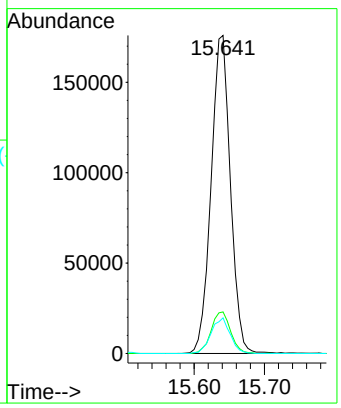




#95
Naphthalene
Concen: 47.116 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.006 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion:128 Resp: 335535

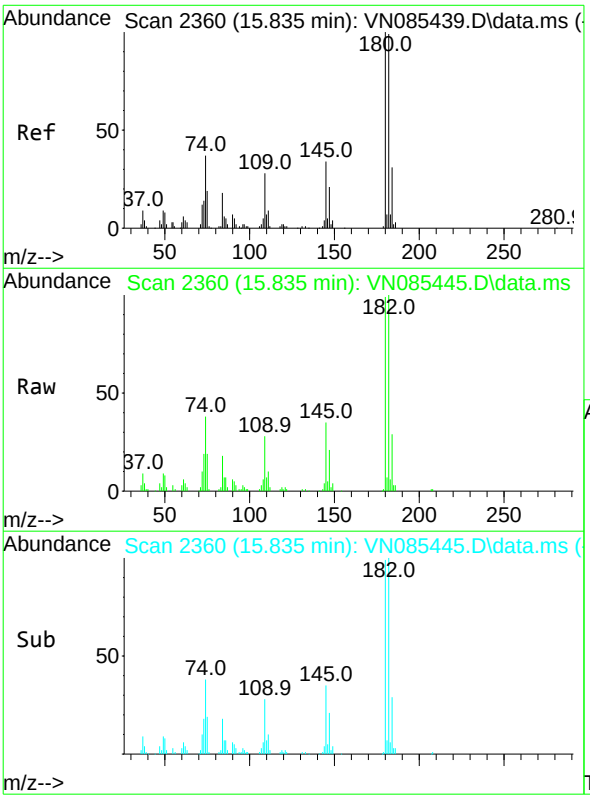
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	16.0
129	11.1	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Manual Integrations
APPROVED

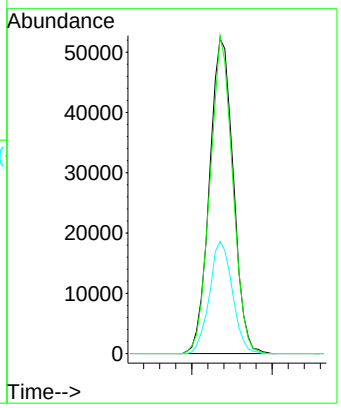
Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#96
1,2,3-Trichlorobenzene
Concen: 44.551 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion:180 Resp: 107583

Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.4	142.2
145	34.3	16.9	50.7



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085445.D
Acq On : 14 Jan 2025 18:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Quant Time: Jan 15 02:20:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	110	0.00
2	T	Dichlorodifluoromethane	0.677	0.593	12.4	104	0.00
3	P	Chloromethane	0.733	0.629	14.2	102	0.00
4	C	Vinyl Chloride	0.737	0.629	14.7#	101	0.00
5	T	Bromomethane	0.445	0.364	18.2	96	0.00
6	T	Chloroethane	0.467	0.395	15.4	103	0.00
7	T	Trichlorofluoromethane	1.069	0.940	12.1	104	0.00
8	T	Diethyl Ether	0.369	0.316	14.4	97	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.602	0.538	10.6	109	0.00
10	T	Methyl Iodide	0.690	0.638	7.5	98	0.00
11	T	Tert butyl alcohol	0.092	0.076	17.4	90	0.00
12	CM	1,1-Dichloroethene	0.537	0.486	9.5#	101	0.00
13	T	Acrolein	0.126	0.124	1.6	97	0.00
14	T	Allyl chloride	0.871	0.775	11.0	101	0.00
15	T	Acrylonitrile	0.294	0.268	8.8	99	0.00
16	T	Acetone	0.261	0.223	14.6	98	0.00
17	T	Carbon Disulfide	1.652	1.366	17.3	102	0.00
18	T	Methyl Acetate	0.793	0.714	10.0	100	0.00
19	T	Methyl tert-butyl Ether	1.742	1.665	4.4	98	0.00
20	T	Methylene Chloride	0.646	0.555	14.1	97	0.00
21	T	trans-1,2-Dichloroethene	0.573	0.512	10.6	102	0.00
22	T	Diisopropyl ether	1.933	1.817	6.0	98	0.00
23	T	Vinyl Acetate	1.353	1.339	1.0	99	0.00
24	P	1,1-Dichloroethane	1.178	1.040	11.7	98	0.00
25	T	2-Butanone	0.384	0.351	8.6	99	0.00
26	T	2,2-Dichloropropane	0.953	0.907	4.8	107	0.00
27	T	cis-1,2-Dichloroethene	0.675	0.614	9.0	99	0.00
28	T	Bromochloromethane	0.548	0.484	11.7	98	0.00
29	T	Tetrahydrofuran	0.243	0.233	4.1	98	0.00
30	C	Chloroform	1.218	1.074	11.8#	101	0.00
31	T	Cyclohexane	1.024	0.878	14.3	110	0.00
32	T	1,1,1-Trichloroethane	1.068	0.947	11.3	103	0.00
33	S	1,2-Dichloroethane-d4	0.807	0.804	0.4	107	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	109	0.00
35	S	Dibromofluoromethane	0.347	0.352	-1.4	107	0.00
36	T	1,1-Dichloropropene	0.487	0.437	10.3	103	0.00
37	T	Ethyl Acetate	0.491	0.434	11.6	97	0.00
38	T	Carbon Tetrachloride	0.557	0.496	11.0	102	0.00
39	T	Methylcyclohexane	0.457	0.455	0.4	107	0.00
40	TM	Benzene	1.463	1.336	8.7	100	0.00
41	T	Methacrylonitrile	0.256	0.241	5.9	97	0.00
42	TM	1,2-Dichloroethane	0.551	0.501	9.1	100	0.00
43	T	Isopropyl Acetate	0.787	0.716	9.0	96	0.00
44	TM	Trichloroethene	0.341	0.297	12.9	100	0.00
45	C	1,2-Dichloropropane	0.374	0.334	10.7#	98	0.00
46	T	Dibromomethane	0.270	0.238	11.9	97	0.00
47	T	Bromodichloromethane	0.549	0.502	8.6	98	0.00
48	T	Methyl methacrylate	0.354	0.354	0.0	98	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085445.D
Acq On : 14 Jan 2025 18:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Quant Time: Jan 15 02:20:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.006	0.005	16.7	81	0.00
50	S	Toluene-d8	1.232	1.289	-4.6	111	0.00
51	T	4-Methyl-2-Pentanone	0.457	0.449	1.8	99	0.00
52	CM	Toluene	0.848	0.815	3.9#	102	0.00
53	T	t-1,3-Dichloropropene	0.519	0.496	4.4	98	0.00
54	T	cis-1,3-Dichloropropene	0.554	0.530	4.3	98	0.00
55	T	1,1,2-Trichloroethane	0.335	0.310	7.5	99	0.00
56	T	Ethyl methacrylate	0.469	0.492	-4.9	99	0.00
57	T	1,3-Dichloropropane	0.583	0.547	6.2	99	0.00
58	T	2-Chloroethyl Vinyl ether	0.213	0.218	-2.3	99	0.00
59	T	2-Hexanone	0.321	0.323	-0.6	99	0.00
60	T	Dibromochloromethane	0.405	0.372	8.1	98	0.00
61	T	1,2-Dibromoethane	0.334	0.299	10.5	98	0.00
62	S	4-Bromofluorobenzene	0.422	0.446	-5.7	108	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	108	0.00
64	T	Tetrachloroethene	0.341	0.306	10.3	102	0.00
65	PM	Chlorobenzene	1.095	1.006	8.1	101	0.00
66	T	1,1,1,2-Tetrachloroethane	0.402	0.359	10.7	99	0.00
67	C	Ethyl Benzene	1.784	1.798	-0.8#	104	0.00
68	T	m/p-Xylenes	0.659	0.681	-3.3	104	0.00
69	T	o-Xylene	0.630	0.656	-4.1	104	0.00
70	T	Styrene	1.043	1.108	-6.2	102	0.00
71	P	Bromoform	0.288	0.283	1.7	98	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	108	0.00
73	T	Isopropylbenzene	3.375	3.371	0.1	106	0.00
74	T	N-amyl acetate	1.517	1.478	2.6	99	0.00
75	P	1,1,2,2-Tetrachloroethane	1.192	1.040	12.8	98	0.00
76	T	1,2,3-Trichloropropane	1.016	0.851	16.2	103	0.00
77	T	Bromobenzene	0.882	0.814	7.7	103	0.00
78	T	n-propylbenzene	3.995	4.075	-2.0	106	0.00
79	T	2-Chlorotoluene	2.586	2.475	4.3	104	0.00
80	T	1,3,5-Trimethylbenzene	2.787	2.877	-3.2	106	0.00
81	T	trans-1,4-Dichloro-2-butene	0.376	0.370	1.6	103	0.00
82	T	4-Chlorotoluene	2.574	2.511	2.4	105	0.00
83	T	tert-Butylbenzene	2.341	2.387	-2.0	106	0.00
84	T	1,2,4-Trimethylbenzene	2.778	2.885	-3.9	103	0.00
85	T	sec-Butylbenzene	3.244	3.360	-3.6	106	0.00
86	T	p-Isopropyltoluene	2.631	2.777	-5.5	105	0.00
87	T	1,3-Dichlorobenzene	1.624	1.491	8.2	103	0.00
88	T	1,4-Dichlorobenzene	1.683	1.484	11.8	103	0.00
89	T	n-Butylbenzene	2.327	2.354	-1.2	103	0.00
90	T	Hexachloroethane	0.618	0.559	9.5	105	0.00
91	T	1,2-Dichlorobenzene	1.620	1.461	9.8	102	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.218	0.201	7.8	98	0.00
93	T	1,2,4-Trichlorobenzene	0.753	0.689	8.5	95	0.00
94	T	Hexachlorobutadiene	0.400	0.337	15.8	99	0.00
95	T	Naphthalene	2.246	2.117	5.7	92	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085445.D
Acq On : 14 Jan 2025 18:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Quant Time: Jan 15 02:20:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.762	0.679	10.9	93	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_N\Data\VN011425\
Data File : VN085445.D
Acq On : 14 Jan 2025 18:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Quant Time: Jan 15 02:20:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	110	0.00
2	T	Dichlorodifluoromethane	50.000	43.772	12.5	104	0.00
3	P	Chloromethane	50.000	42.883	14.2	102	0.00
4	C	Vinyl Chloride	50.000	42.715	14.6#	101	0.00
5	T	Bromomethane	50.000	40.910	18.2	96	0.00
6	T	Chloroethane	50.000	42.299	15.4	103	0.00
7	T	Trichlorofluoromethane	50.000	43.956	12.1	104	0.00
8	T	Diethyl Ether	50.000	42.846	14.3	97	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	44.706	10.6	109	0.00
10	T	Methyl Iodide	50.000	46.259	7.5	98	0.00
11	T	Tert butyl alcohol	250.000	206.633	17.3	90	0.00
12	CM	1,1-Dichloroethene	50.000	45.317	9.4#	101	0.00
13	T	Acrolein	250.000	244.765	2.1	97	0.00
14	T	Allyl chloride	50.000	44.501	11.0	101	0.00
15	T	Acrylonitrile	250.000	227.920	8.8	99	0.00
16	T	Acetone	250.000	213.971	14.4	98	0.00
17	T	Carbon Disulfide	50.000	41.342	17.3	102	0.00
18	T	Methyl Acetate	50.000	45.028	9.9	100	0.00
19	T	Methyl tert-butyl Ether	50.000	47.768	4.5	98	0.00
20	T	Methylene Chloride	50.000	43.017	14.0	97	0.00
21	T	trans-1,2-Dichloroethene	50.000	44.672	10.7	102	0.00
22	T	Diisopropyl ether	50.000	46.996	6.0	98	0.00
23	T	Vinyl Acetate	250.000	247.459	1.0	99	0.00
24	P	1,1-Dichloroethane	50.000	44.114	11.8	98	0.00
25	T	2-Butanone	250.000	228.924	8.4	99	0.00
26	T	2,2-Dichloropropane	50.000	47.593	4.8	107	0.00
27	T	cis-1,2-Dichloroethene	50.000	45.446	9.1	99	0.00
28	T	Bromochloromethane	50.000	44.122	11.8	98	0.00
29	T	Tetrahydrofuran	250.000	239.065	4.4	98	0.00
30	C	Chloroform	50.000	44.071	11.9#	101	0.00
31	T	Cyclohexane	50.000	42.878	14.2	110	0.00
32	T	1,1,1-Trichloroethane	50.000	44.332	11.3	103	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.782	0.4	107	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	109	0.00
35	S	Dibromofluoromethane	50.000	50.768	-1.5	107	0.00
36	T	1,1-Dichloropropene	50.000	44.863	10.3	103	0.00
37	T	Ethyl Acetate	50.000	44.123	11.8	97	0.00
38	T	Carbon Tetrachloride	50.000	44.456	11.1	102	0.00
39	T	Methylcyclohexane	50.000	49.687	0.6	107	0.00
40	TM	Benzene	50.000	45.657	8.7	100	0.00
41	T	Methacrylonitrile	50.000	47.155	5.7	97	0.00
42	TM	1,2-Dichloroethane	50.000	45.481	9.0	100	0.00
43	T	Isopropyl Acetate	50.000	45.440	9.1	96	0.00
44	TM	Trichloroethene	50.000	43.622	12.8	100	0.00
45	C	1,2-Dichloropropane	50.000	44.744	10.5#	98	0.00
46	T	Dibromomethane	50.000	44.214	11.6	97	0.00
47	T	Bromodichloromethane	50.000	45.655	8.7	98	0.00
48	T	Methyl methacrylate	50.000	49.948	0.1	98	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085445.D
Acq On : 14 Jan 2025 18:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Quant Time: Jan 15 02:20:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	792.760	20.7	81	0.00
50	S	Toluene-d8	50.000	52.302	-4.6	111	0.00
51	T	4-Methyl-2-Pentanone	250.000	245.877	1.6	99	0.00
52	CM	Toluene	50.000	48.073	3.9#	102	0.00
53	T	t-1,3-Dichloropropene	50.000	47.757	4.5	98	0.00
54	T	cis-1,3-Dichloropropene	50.000	47.783	4.4	98	0.00
55	T	1,1,2-Trichloroethane	50.000	46.173	7.7	99	0.00
56	T	Ethyl methacrylate	50.000	43.762	12.5	99	0.00
57	T	1,3-Dichloropropane	50.000	46.877	6.2	99	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	256.116	-2.4	99	0.00
59	T	2-Hexanone	250.000	251.213	-0.5	99	0.00
60	T	Dibromochloromethane	50.000	45.935	8.1	98	0.00
61	T	1,2-Dibromoethane	50.000	44.837	10.3	98	0.00
62	S	4-Bromofluorobenzene	50.000	52.899	-5.8	108	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	108	0.00
64	T	Tetrachloroethene	50.000	44.886	10.2	102	0.00
65	PM	Chlorobenzene	50.000	45.901	8.2	101	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	44.712	10.6	99	0.00
67	C	Ethyl Benzene	50.000	50.391	-0.8#	104	0.00
68	T	m/p-Xylenes	100.000	103.341	-3.3	104	0.00
69	T	o-Xylene	50.000	52.093	-4.2	104	0.00
70	T	Styrene	50.000	53.103	-6.2	102	0.00
71	P	Bromoform	50.000	49.119	1.8	98	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	108	0.00
73	T	Isopropylbenzene	50.000	49.951	0.1	106	0.00
74	T	N-amyl acetate	50.000	48.730	2.5	99	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	43.627	12.7	98	0.00
76	T	1,2,3-Trichloropropane	50.000	41.891	16.2	103	0.00
77	T	Bromobenzene	50.000	46.138	7.7	103	0.00
78	T	n-propylbenzene	50.000	51.001	-2.0	106	0.00
79	T	2-Chlorotoluene	50.000	47.870	4.3	104	0.00
80	T	1,3,5-Trimethylbenzene	50.000	51.604	-3.2	106	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.226	1.5	103	0.00
82	T	4-Chlorotoluene	50.000	48.776	2.4	105	0.00
83	T	tert-Butylbenzene	50.000	50.997	-2.0	106	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.922	-3.8	103	0.00
85	T	sec-Butylbenzene	50.000	51.777	-3.6	106	0.00
86	T	p-Isopropyltoluene	50.000	47.795	4.4	105	0.00
87	T	1,3-Dichlorobenzene	50.000	45.920	8.2	103	0.00
88	T	1,4-Dichlorobenzene	50.000	44.102	11.8	103	0.00
89	T	n-Butylbenzene	50.000	50.578	-1.2	103	0.00
90	T	Hexachloroethane	50.000	45.215	9.6	105	0.00
91	T	1,2-Dichlorobenzene	50.000	45.113	9.8	102	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	46.221	7.6	98	0.00
93	T	1,2,4-Trichlorobenzene	50.000	45.739	8.5	95	0.00
94	T	Hexachlorobutadiene	50.000	42.112	15.8	99	0.00
95	T	Naphthalene	50.000	47.116	5.8	92	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085445.D
Acq On : 14 Jan 2025 18:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Quant Time: Jan 15 02:20:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	44.551	10.9	93	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VN085576.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: WEST04

Lab Code: CHEM Case No.: Q1211 SAS No.: Q1211 SDG No.: Q1211

Instrument ID: MSVOA_N Calibration Date/Time: 01/30/2025 13:08

Lab File ID: VN085576.D Init. Calib. Date(s): 01/14/2025 01/14/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 14:56 17:19

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.677	0.579		-14.48	20
Chloromethane	0.733	0.622	0.1	-15.14	20
Vinyl Chloride	0.737	0.645		-12.48	20
Bromomethane	0.445	0.393		-11.69	20
Chloroethane	0.467	0.456		-2.36	20
Trichlorofluoromethane	1.069	1.041		-2.62	20
1,1,2-Trichlorotrifluoroethane	0.602	0.603		0.17	20
1,1-Dichloroethene	0.537	0.511		-4.84	20
Acetone	0.261	0.275		5.36	20
Carbon Disulfide	1.652	1.304		-21.07	20
Methyl tert-butyl Ether	1.742	1.897		8.9	20
Methyl Acetate	0.793	0.912		15.01	20
Methylene Chloride	0.646	0.652		0.93	20
trans-1,2-Dichloroethene	0.573	0.569		-0.7	20
1,1-Dichloroethane	1.178	1.222	0.1	3.73	20
Cyclohexane	1.024	0.904		-11.72	20
2-Butanone	0.384	0.423		10.16	20
Carbon Tetrachloride	0.557	0.579		3.95	20
cis-1,2-Dichloroethene	0.675	0.706		4.59	20
Bromochloromethane	0.548	0.504		-8.03	20
Chloroform	1.218	1.290		5.91	20
1,1,1-Trichloroethane	1.068	1.127		5.52	20
Methylcyclohexane	0.457	0.442		-3.28	20
Benzene	1.463	1.505		2.87	20
1,2-Dichloroethane	0.551	0.581		5.45	20
Trichloroethene	0.341	0.329		-3.52	20
1,2-Dichloropropane	0.374	0.399		6.68	20
Bromodichloromethane	0.549	0.609		10.93	20
4-Methyl-2-Pentanone	0.457	0.549		20.13	20
Toluene	0.848	0.945		11.44	20
t-1,3-Dichloropropene	0.519	0.570		9.83	20
cis-1,3-Dichloropropene	0.554	0.607		9.57	20
1,1,2-Trichloroethane	0.335	0.376		12.24	20
2-Hexanone	0.321	0.400		24.61	20
Dibromochloromethane	0.405	0.455		12.35	20
1,2-Dibromoethane	0.334	0.362		8.38	20
Tetrachloroethene	0.341	0.352		3.23	20
Chlorobenzene	1.095	1.097	0.3	0.18	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: WEST04

Lab Code: CHEM Case No.: Q1211 SAS No.: Q1211 SDG No.: Q1211

Instrument ID: MSVOA_N Calibration Date/Time: 01/30/2025 13:08

Lab File ID: VN085576.D Init. Calib. Date(s): 01/14/2025 01/14/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 14:56 17:19

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.784	1.948		9.19	20
m/p-Xylenes	0.659	0.747		13.35	20
o-Xylene	0.630	0.706		12.06	20
Styrene	1.043	1.238		18.7	20
Bromoform	0.288	0.330	0.1	14.58	20
Isopropylbenzene	3.375	3.560		5.48	20
1,1,2,2-Tetrachloroethane	1.192	1.189	0.3	-0.25	20
1,3-Dichlorobenzene	1.624	1.685		3.76	20
1,4-Dichlorobenzene	1.683	1.639		-2.61	20
1,2-Dichlorobenzene	1.620	1.633		0.8	20
1,2-Dibromo-3-Chloropropane	0.218	0.229		5.05	20
1,2,4-Trichlorobenzene	0.753	0.731		-2.92	20
1,2,3-Trichlorobenzene	0.762	0.744		-2.36	20
1,2-Dichloroethane-d4	0.807	0.851		5.45	20
Dibromofluoromethane	0.347	0.370		6.63	20
Toluene-d8	1.232	1.346		9.25	20
4-Bromofluorobenzene	0.422	0.477		13.03	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: **VN085576.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013025\
Data File : VN085576.D
Acq On : 30 Jan 2025 13:08
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 31 02:33:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	183741	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	313882	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	286764	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	143955	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	156421	52.739	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.480%			
35) Dibromofluoromethane	8.165	113	116235	53.378	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.760%			
50) Toluene-d8	10.565	98	422608	54.623	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.240%			
62) 4-Bromofluorobenzene	12.847	95	149779	56.593	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 113.180%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	106403	42.770	ug/l	99
3) Chloromethane	2.359	50	114357	42.455	ug/l	99
4) Vinyl Chloride	2.512	62	118602	43.806	ug/l	97
5) Bromomethane	2.947	94	72156	44.121	ug/l	92
6) Chloroethane	3.118	64	83744	48.788	ug/l	96
7) Trichlorofluoromethane	3.495	101	191315	48.700	ug/l	98
8) Diethyl Ether	3.965	74	62826	46.293	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	110832	50.090	ug/l	99
10) Methyl Iodide	4.589	142	128183	50.588	ug/l	98
11) Tert butyl alcohol	5.518	59	102026	300.411	ug/l	100
12) 1,1-Dichloroethene	4.342	96	93887	47.611	ug/l	97
13) Acrolein	4.177	56	101928	219.855	ug/l	99
14) Allyl chloride	5.024	41	146287	45.717	ug/l	97
15) Acrylonitrile	5.712	53	298124	276.361	ug/l	100
16) Acetone	4.418	43	252330	263.302	ug/l	97
17) Carbon Disulfide	4.712	76	239608	39.463	ug/l	100
18) Methyl Acetate	5.024	43	167533	57.490	ug/l	100
19) Methyl tert-butyl Ether	5.788	73	348608	54.443	ug/l	100
20) Methylene Chloride	5.277	84	119755	50.478	ug/l	98
21) trans-1,2-Dichloroethene	5.783	96	104539	49.604	ug/l	98
22) Diisopropyl ether	6.665	45	387564	54.569	ug/l	99
23) Vinyl Acetate	6.600	43	1364741	274.572	ug/l	99
24) 1,1-Dichloroethane	6.565	63	224523	51.845	ug/l	100
25) 2-Butanone	7.477	43	388510	275.487	ug/l	100
26) 2,2-Dichloropropane	7.488	77	190914	54.526	ug/l	100
27) cis-1,2-Dichloroethene	7.482	96	129662	52.236	ug/l	100
28) Bromochloromethane	7.812	49	92566	45.943	ug/l	100
29) Tetrahydrofuran	7.835	42	261106	292.028	ug/l	99
30) Chloroform	7.965	83	237004	52.951	ug/l	98
31) Cyclohexane	8.253	56	166174	44.147	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	207040	52.734	ug/l	98
36) 1,1-Dichloropropene	8.365	75	150755	49.328	ug/l	100
37) Ethyl Acetate	7.553	43	161263	52.277	ug/l	98
38) Carbon Tetrachloride	8.359	117	181734	51.942	ug/l	98
39) Methylcyclohexane	9.600	83	138891	48.362	ug/l	98
40) Benzene	8.600	78	472356	51.439	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013025\
Data File : VN085576.D
Acq On : 30 Jan 2025 13:08
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 31 02:33:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.777	41	87457	54.494 ug/l	99
42) 1,2-Dichloroethane	8.671	62	182518	52.773 ug/l	100
43) Isopropyl Acetate	8.688	43	271592	54.946 ug/l	100
44) Trichloroethene	9.347	130	103161	48.262 ug/l	94
45) 1,2-Dichloropropane	9.618	63	125383	53.456 ug/l	99
46) Dibromomethane	9.706	93	89758	53.034 ug/l	100
47) Bromodichloromethane	9.882	83	191163	55.441 ug/l	98
48) Methyl methacrylate	9.676	41	127818	57.462 ug/l	98
49) 1,4-Dioxane	9.688	88	41260	1101.481 ug/l	98
51) 4-Methyl-2-Pentanone	10.441	43	862307	300.635 ug/l	100
52) Toluene	10.623	92	296774	55.777 ug/l	99
53) t-1,3-Dichloropropene	10.829	75	179055	54.950 ug/l	97
54) cis-1,3-Dichloropropene	10.306	75	190400	54.703 ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	118122	56.098 ug/l	99
56) Ethyl methacrylate	10.871	69	177570	50.059 ug/l	98
57) 1,3-Dichloropropane	11.159	76	202300	55.253 ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	380492	284.749 ug/l	100
59) 2-Hexanone	11.194	43	627583	310.960 ug/l	99
60) Dibromochloromethane	11.359	129	142781	56.166 ug/l	99
61) 1,2-Dibromoethane	11.465	107	113470	54.137 ug/l	97
64) Tetrachloroethene	11.100	164	100903	51.614 ug/l	98
65) Chlorobenzene	11.888	112	314692	50.094 ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	122150	52.979 ug/l	98
67) Ethyl Benzene	11.959	91	558580	54.592 ug/l	99
68) m/p-Xylenes	12.070	106	428391	113.286 ug/l	99
69) o-Xylene	12.394	106	202523	56.041 ug/l	98
70) Styrene	12.406	104	354949	59.347 ug/l	99
71) Bromoform	12.576	173	94600	57.343 ug/l #	98
73) Isopropylbenzene	12.694	105	512541	52.754 ug/l	99
74) N-amyl acetate	12.488	43	233929	53.567 ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	171223	49.890 ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	140376m	47.977 ug/l	
77) Bromobenzene	12.976	156	130776	51.520 ug/l	99
78) n-propylbenzene	13.035	91	629351	54.718 ug/l	100
79) 2-Chlorotoluene	13.123	91	387181	52.013 ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	450252	56.104 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.729	75	57144	52.840 ug/l	94
82) 4-Chlorotoluene	13.217	91	390572	52.696 ug/l	99
83) tert-Butylbenzene	13.435	119	365993	54.306 ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	448357	56.054 ug/l	99
85) sec-Butylbenzene	13.612	105	512993	54.921 ug/l	99
86) p-Isopropyltoluene	13.723	119	427384	50.722 ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	242512	51.878 ug/l	98
88) 1,4-Dichlorobenzene	13.806	146	235950	48.695 ug/l	99
89) n-Butylbenzene	14.053	91	351238	52.416 ug/l	99
90) Hexachloroethane	14.329	117	89687	50.438 ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	235032	50.405 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	32963	52.597 ug/l	99
93) 1,2,4-Trichlorobenzene	15.388	180	105261	48.570 ug/l	99
94) Hexachlorobutadiene	15.494	225	52187	45.357 ug/l	96
95) Naphthalene	15.635	128	323993	50.099 ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	107090	48.836 ug/l	99

Sample Results: **VN085576.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013025\
Data File : VN085576.D
Acq On : 30 Jan 2025 13:08
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 31 02:33:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

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

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

Sample Results: **VN085576.D**

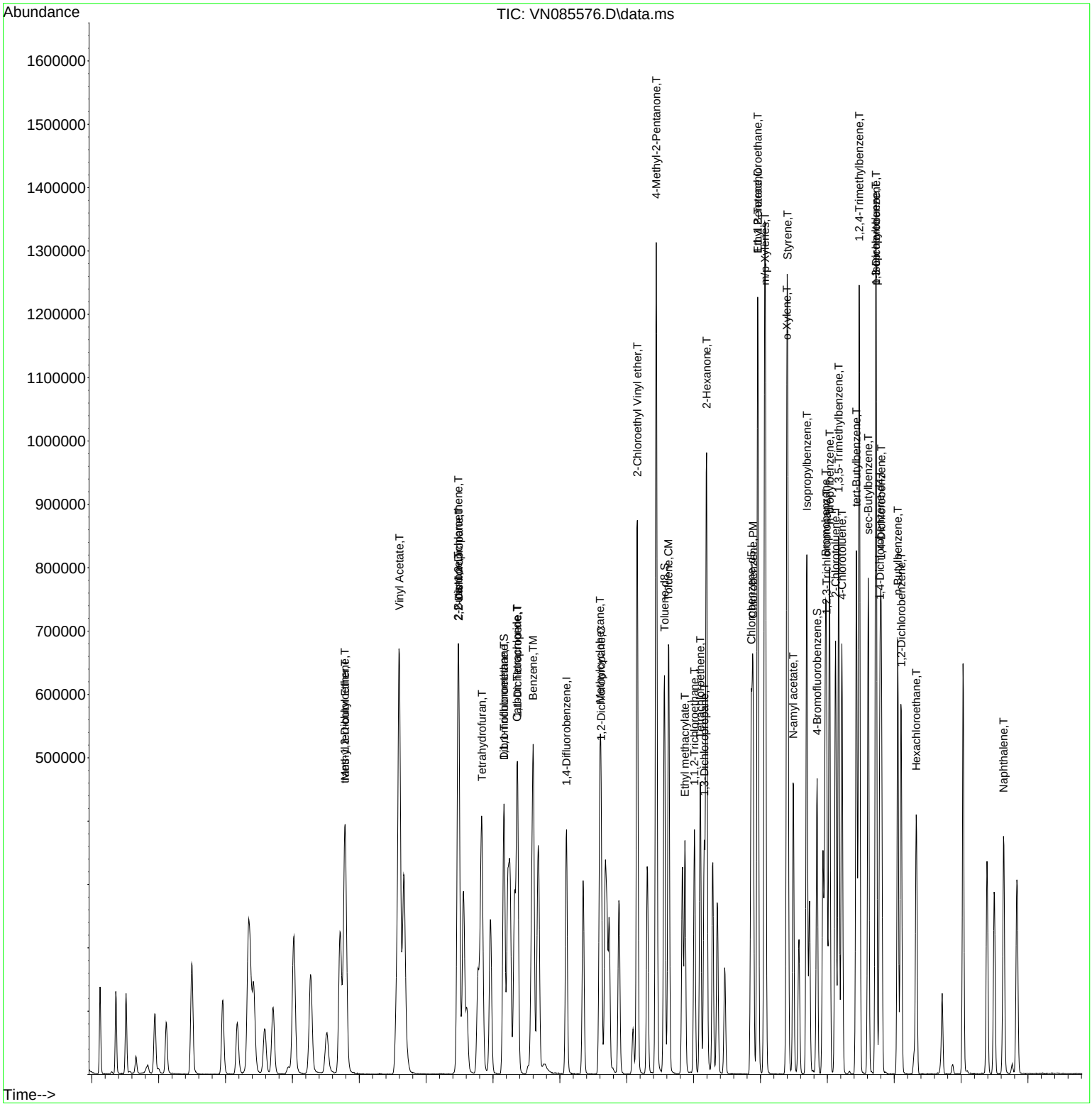
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Acq On : 30 Jan 2025 13:08
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

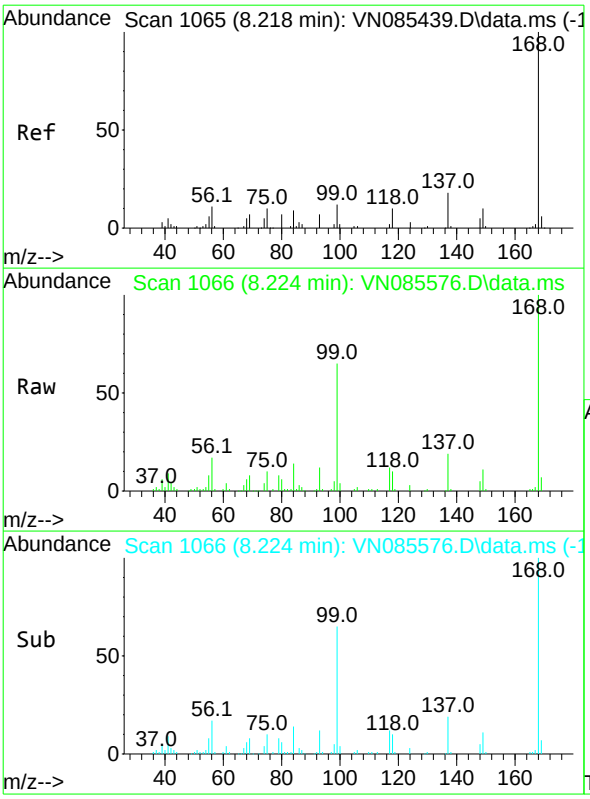
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

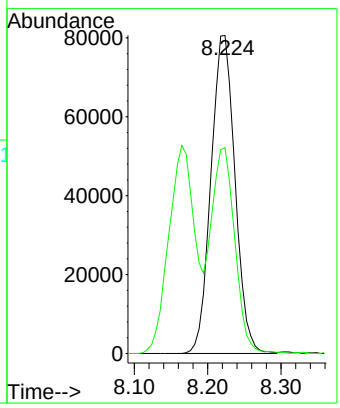




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion:168 Resp: 183741

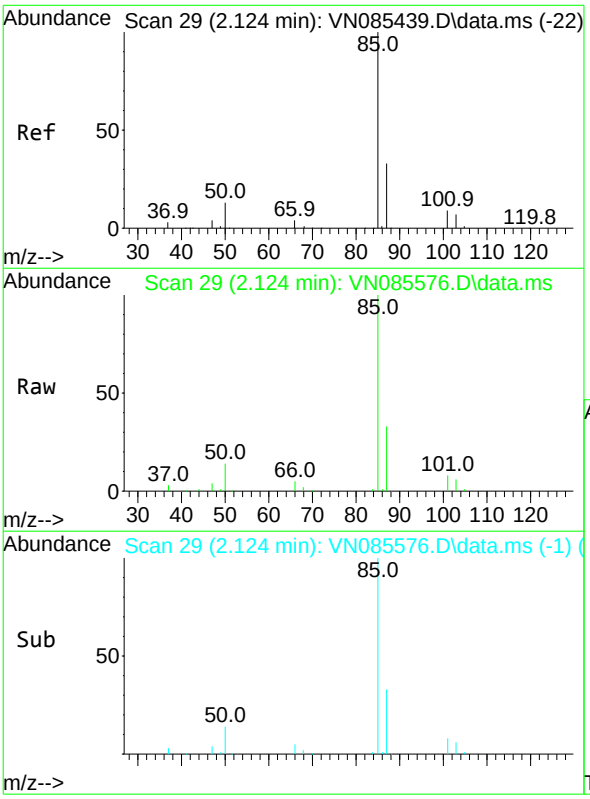
Ion	Ratio	Lower	Upper
168	100		
99	64.3	53.6	80.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

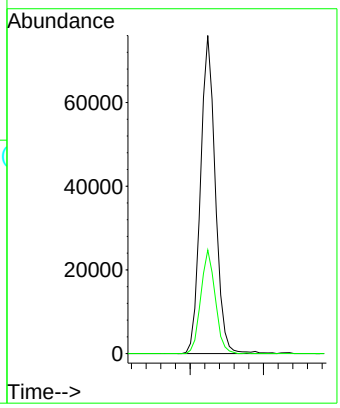
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

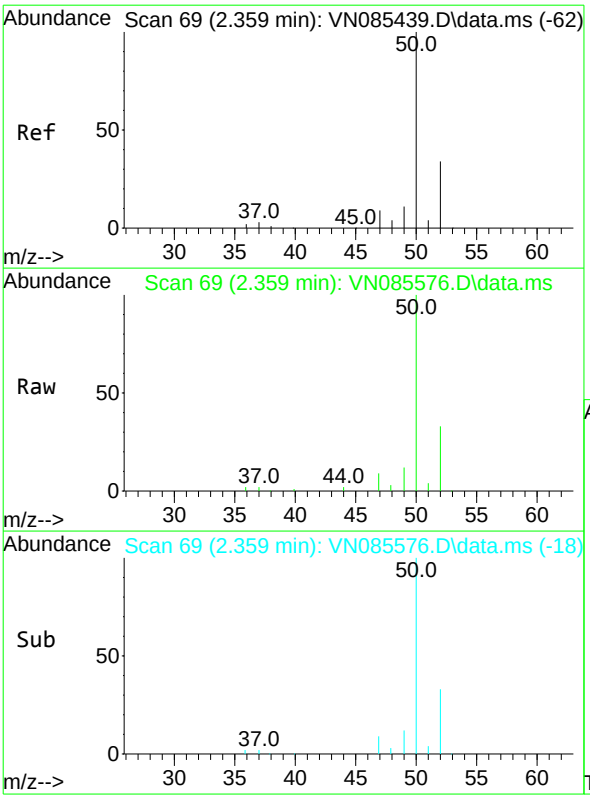


#2
Dichlorodifluoromethane
Concen: 42.770 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion: 85 Resp: 106403

Ion	Ratio	Lower	Upper
85	100		
87	32.6	16.7	50.1

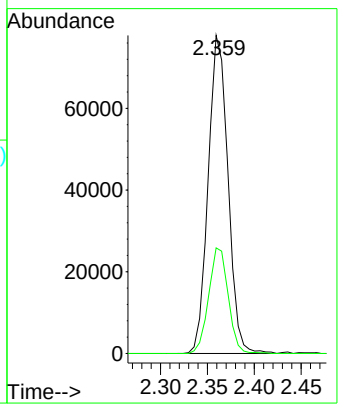




#3
Chloromethane
Concen: 42.455 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion: 50 Resp: 114357

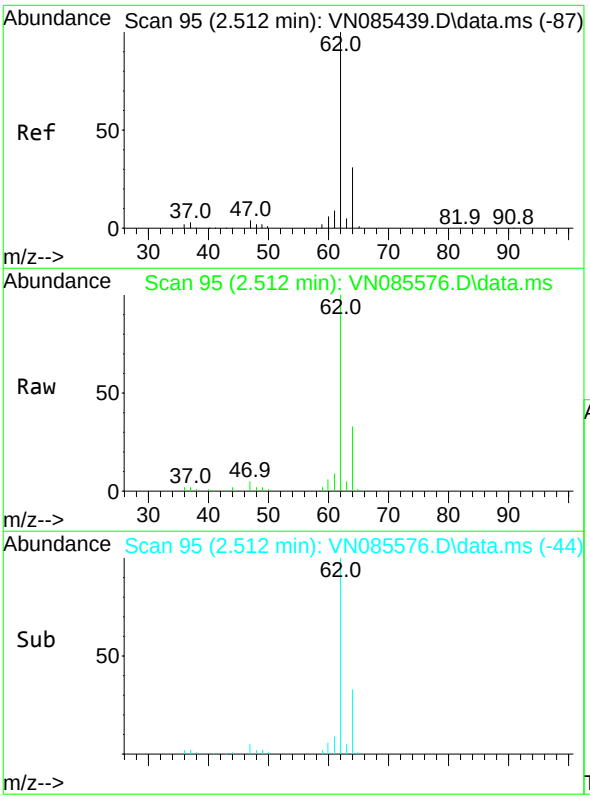
Ion	Ratio	Lower	Upper
50	100		
52	33.2	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

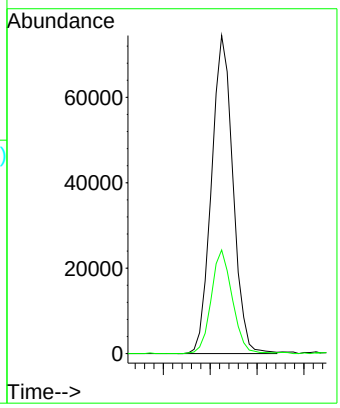
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

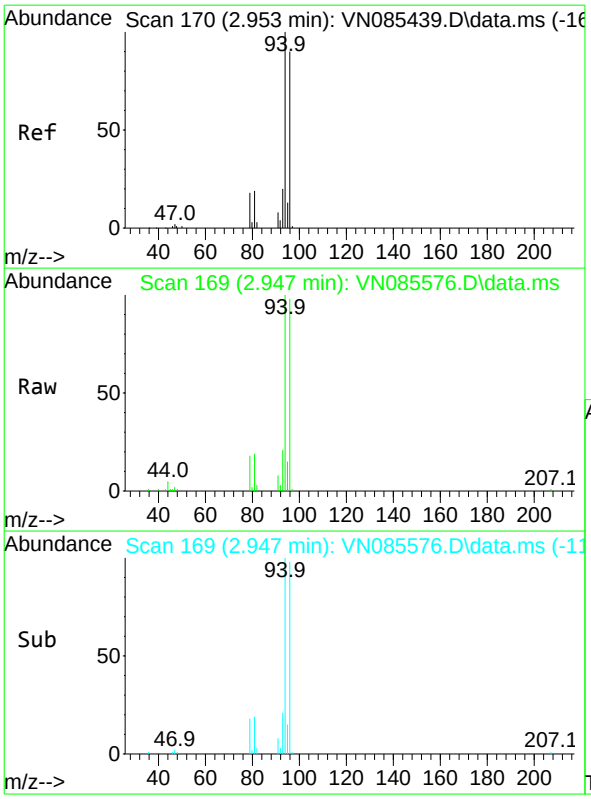


#4
Vinyl Chloride
Concen: 43.806 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion: 62 Resp: 118602

Ion	Ratio	Lower	Upper
62	100		
64	32.6	24.8	37.2

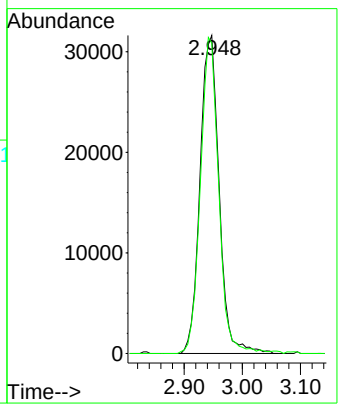




#5
Bromomethane
Concen: 44.121 ug/l
RT: 2.947 min Scan# 16
Delta R.T. -0.006 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion: 94 Resp: 72156

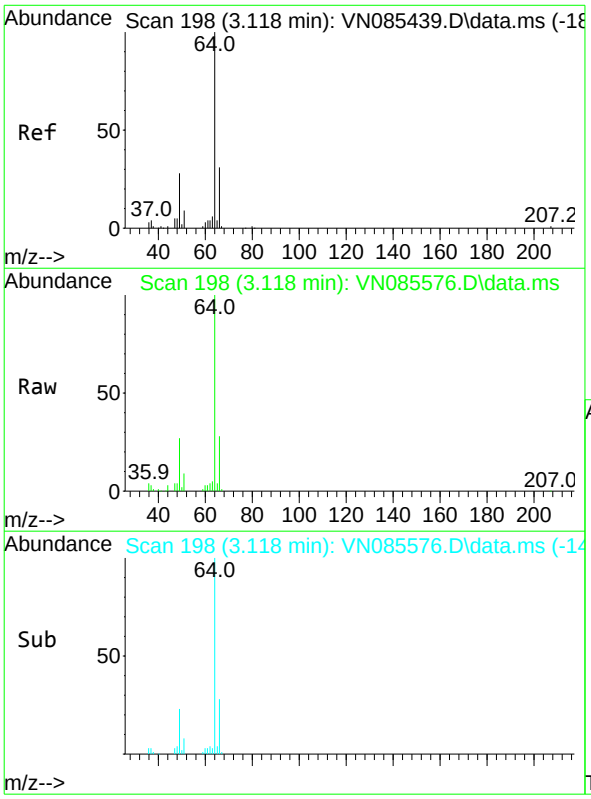
Ion	Ratio	Lower	Upper
94	100		
96	97.5	71.8	107.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

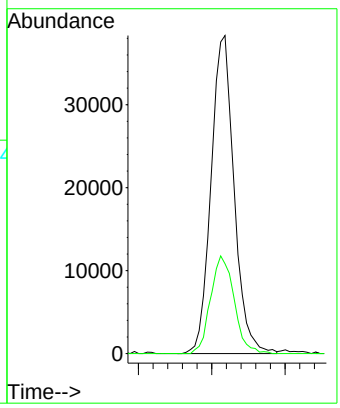
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

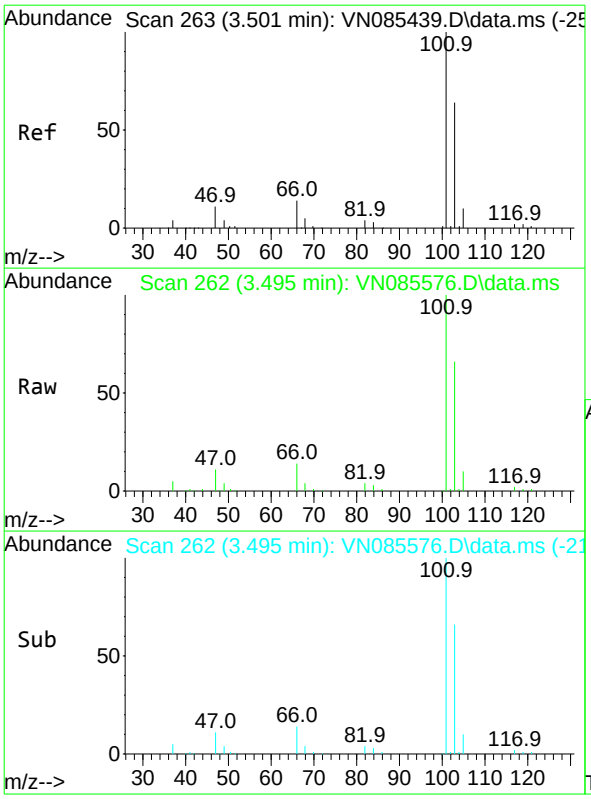


#6
Chloroethane
Concen: 48.788 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion: 64 Resp: 83744

Ion	Ratio	Lower	Upper
64	100		
66	28.2	24.6	36.8

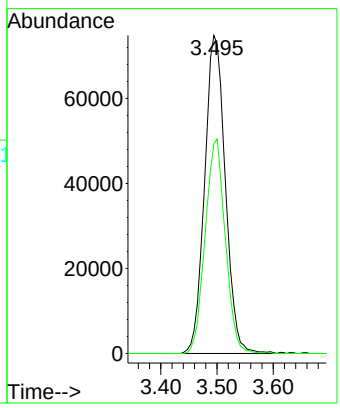




#7
Trichlorofluoromethane
Concen: 48.700 ug/l
RT: 3.495 min Scan# 26
Delta R.T. -0.006 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion:101 Resp: 191315

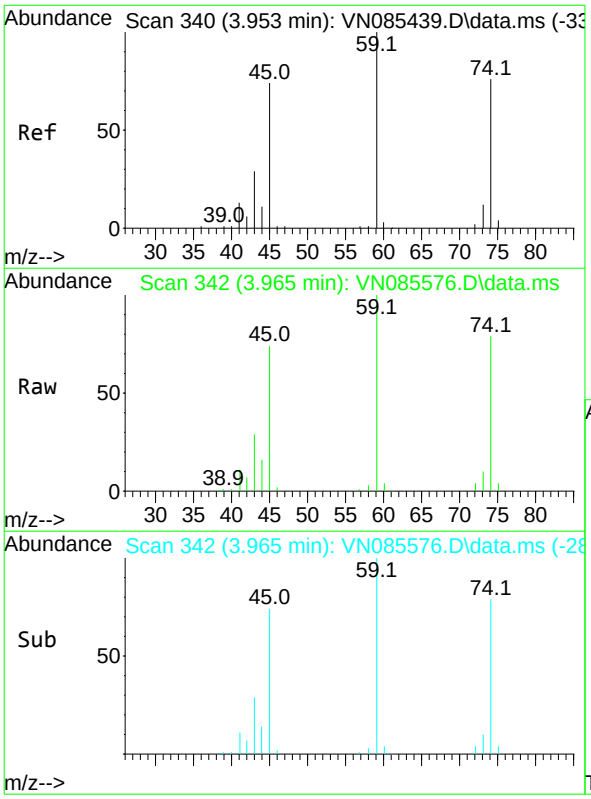
Ion	Ratio	Lower	Upper
101	100		
103	65.9	51.4	77.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

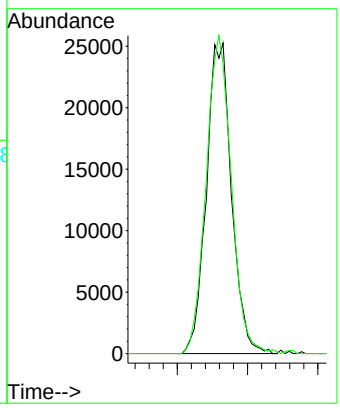
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

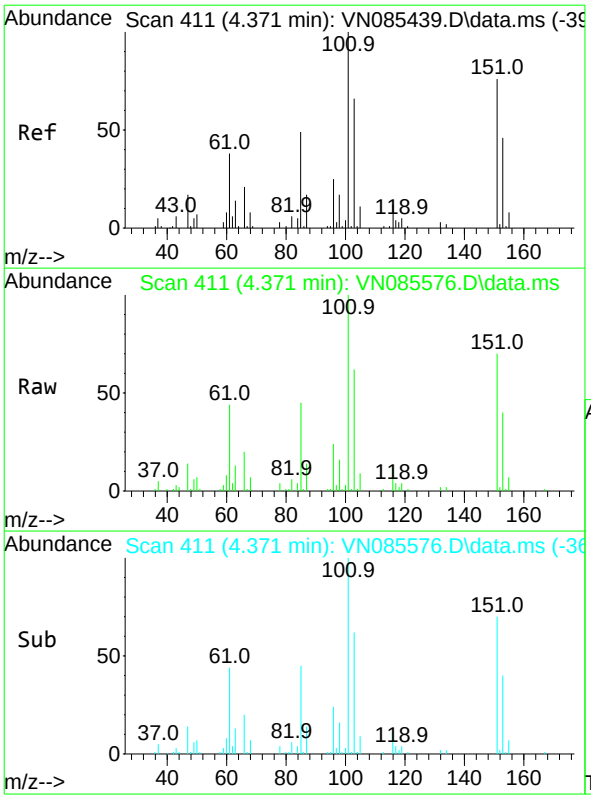


#8
Diethyl Ether
Concen: 46.293 ug/l
RT: 3.965 min Scan# 342
Delta R.T. 0.012 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion: 74 Resp: 62826

Ion	Ratio	Lower	Upper
74	100		
45	102.7	49.7	149.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.090 ug/l
RT: 4.371 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

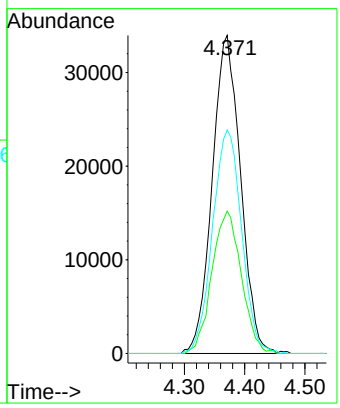
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

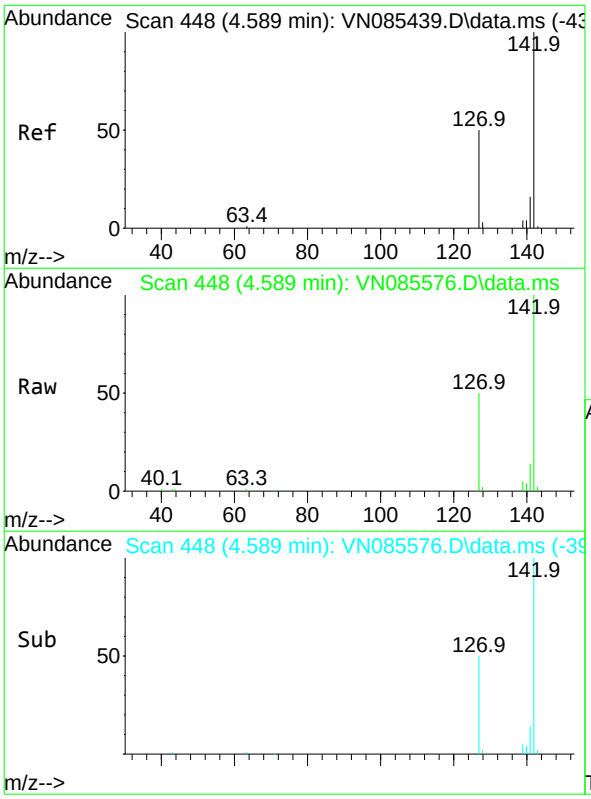
Tgt Ion:101 Resp: 110832

Ion	Ratio	Lower	Upper
101	100		
85	46.5	37.8	56.8
151	72.3	58.8	88.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

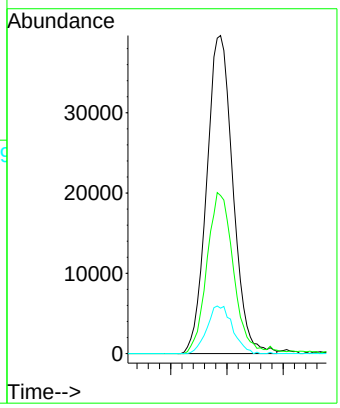


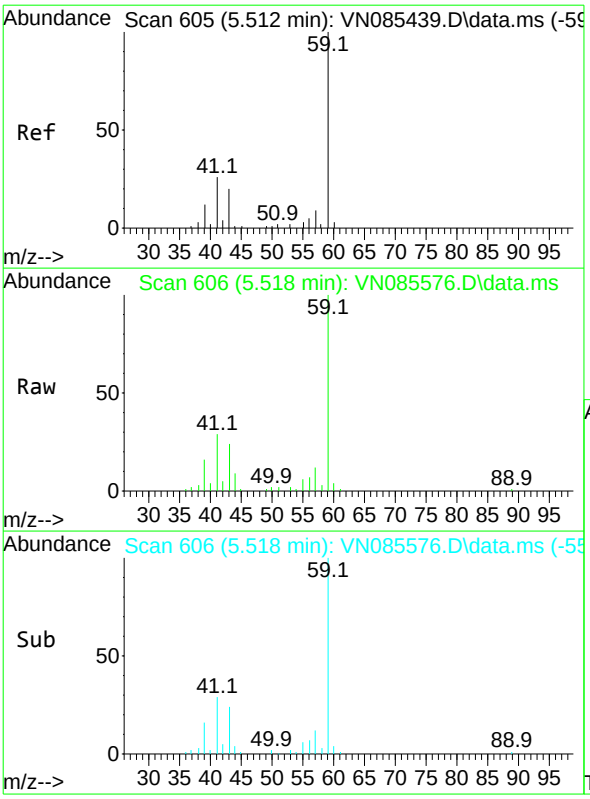


#10
Methyl Iodide
Concen: 50.588 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion:142 Resp: 128183

Ion	Ratio	Lower	Upper
142	100		
127	49.7	40.3	60.5
141	14.3	12.8	19.2

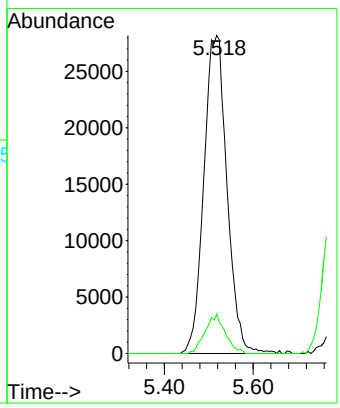




#11
Tert butyl alcohol
Concen: 300.411 ug/l
RT: 5.518 min Scan# 60
Delta R.T. 0.006 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion: 59 Resp: 102026

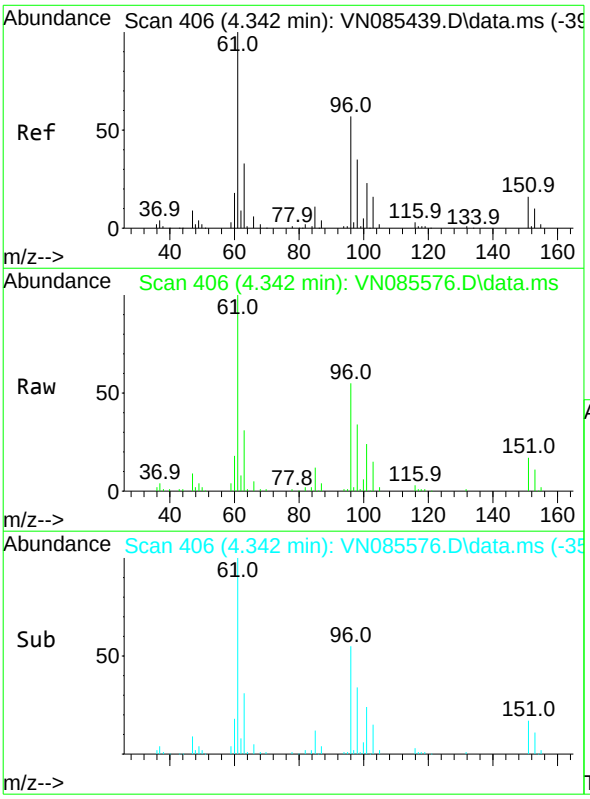
Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.6	13.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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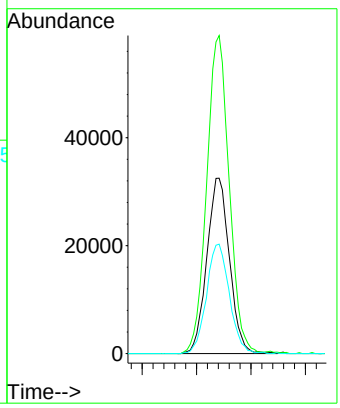
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

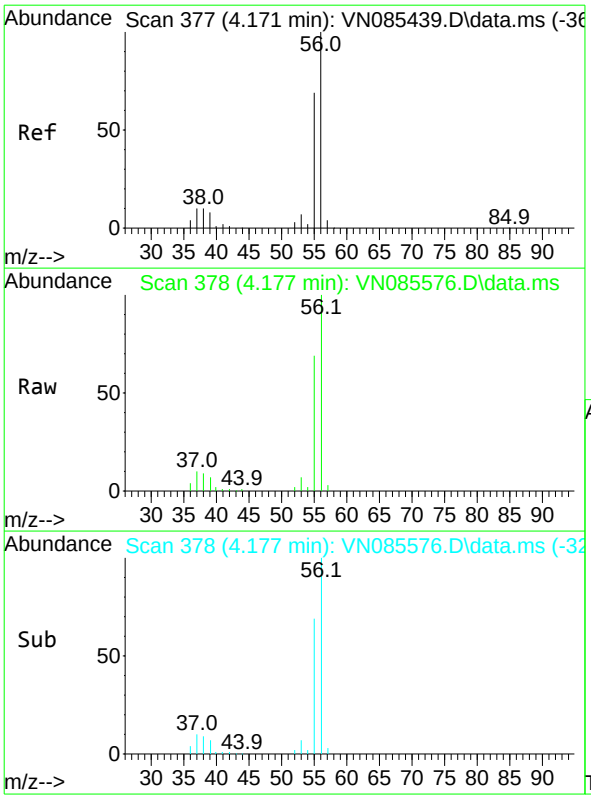


#12
1,1-Dichloroethene
Concen: 47.611 ug/l
RT: 4.342 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion: 96 Resp: 93887

Ion	Ratio	Lower	Upper
96	100		
61	181.3	141.0	211.4
98	62.4	49.0	73.6

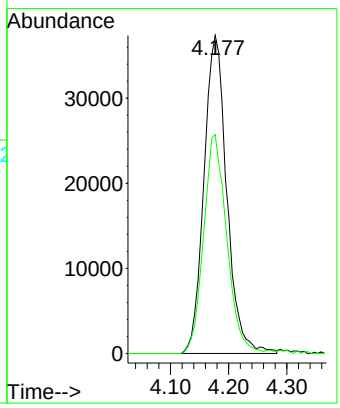




#13
Acrolein
Concen: 219.855 ug/l
RT: 4.177 min Scan# 37
Delta R.T. 0.006 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion: 56 Resp: 101928

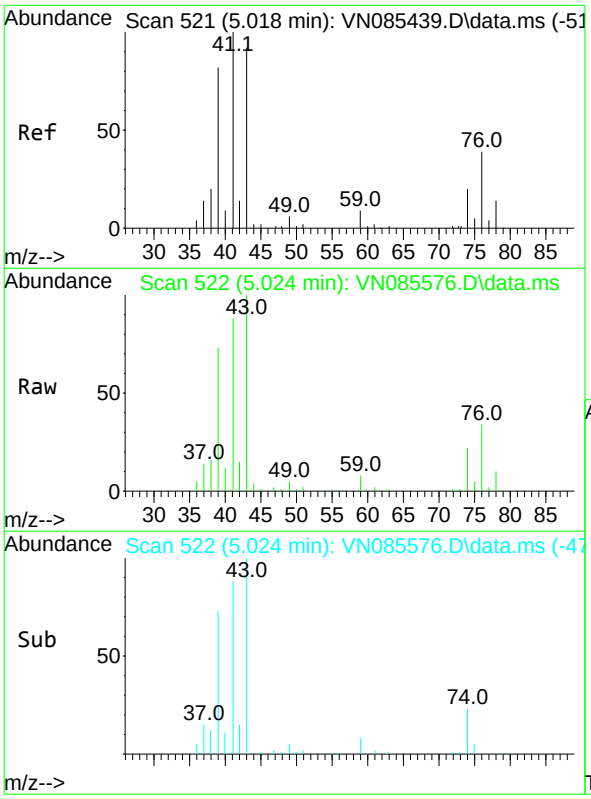
Ion	Ratio	Lower	Upper
56	100		
55	69.7	56.3	84.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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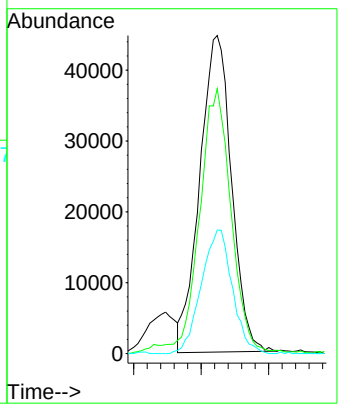
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

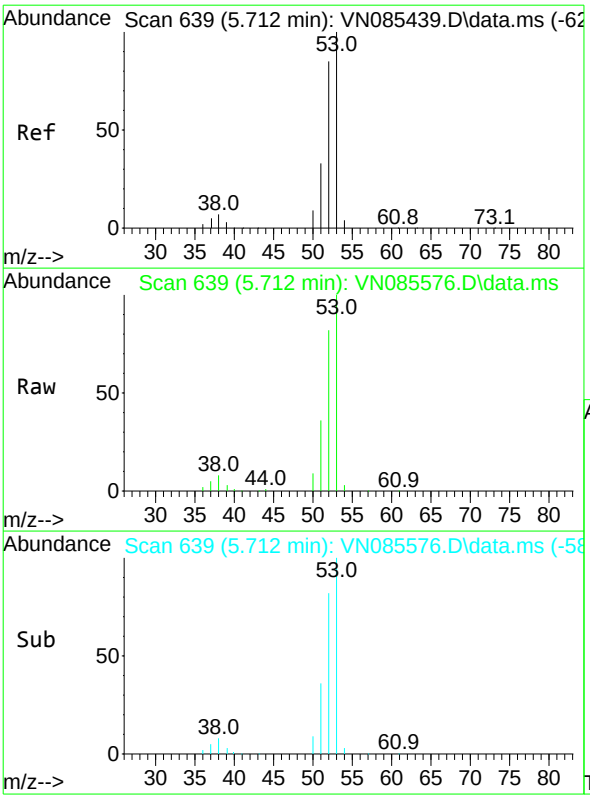


#14
Allyl chloride
Concen: 45.717 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion: 41 Resp: 146287

Ion	Ratio	Lower	Upper
41	100		
39	84.2	64.4	96.6
76	38.1	30.5	45.7

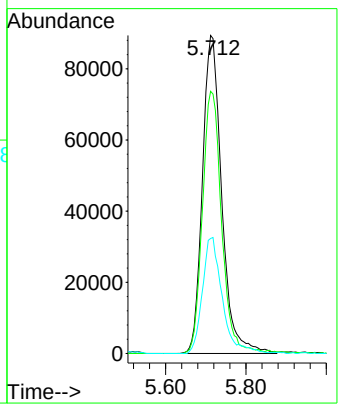




#15
Acrylonitrile
Concen: 276.361 ug/l
RT: 5.712 min Scan# 63
Delta R.T. -0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion: 53 Resp: 298124

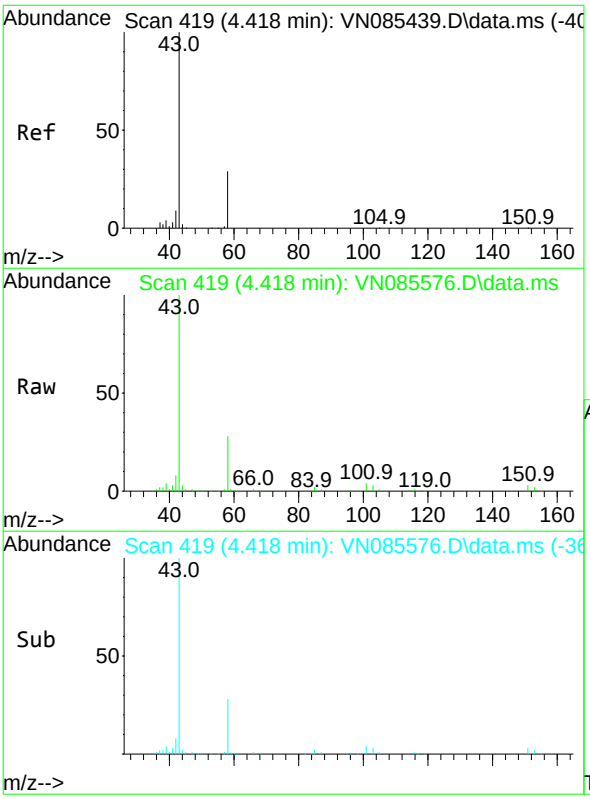
Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.5	98.3
51	37.5	29.8	44.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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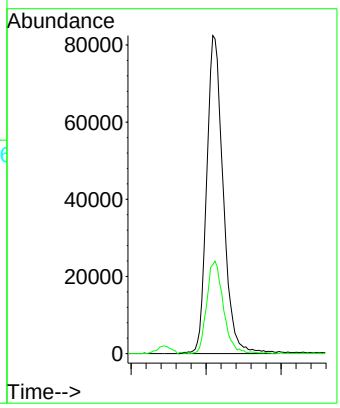
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

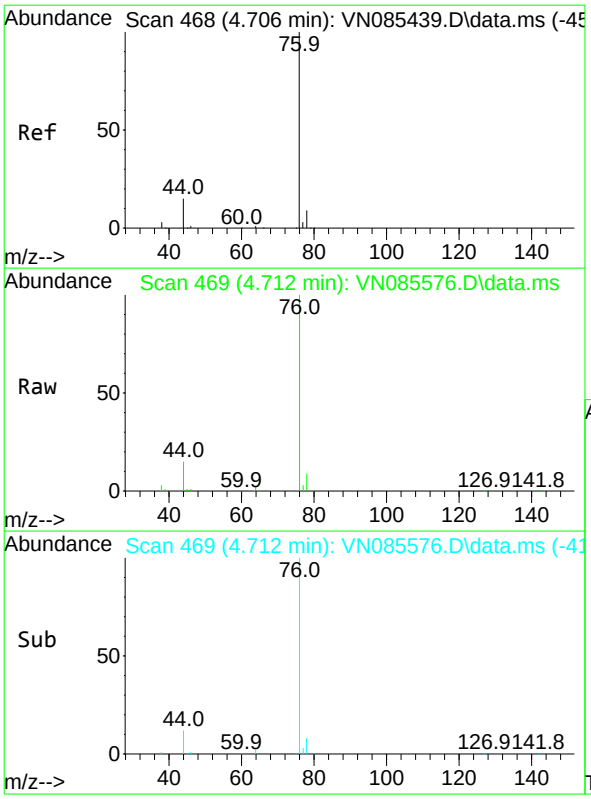


#16
Acetone
Concen: 263.302 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion: 43 Resp: 252330

Ion	Ratio	Lower	Upper
43	100		
58	28.0	23.8	35.6

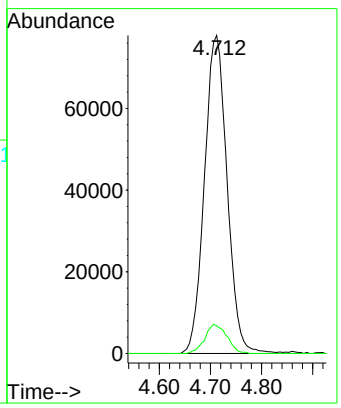




#17
Carbon Disulfide
Concen: 39.463 ug/l
RT: 4.712 min Scan# 46
Delta R.T. 0.006 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion: 76 Resp: 239608

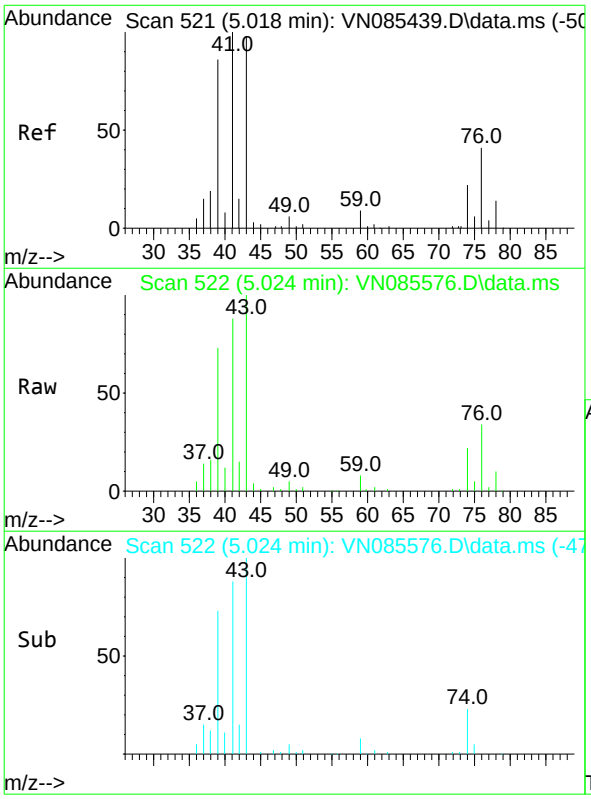
Ion	Ratio	Lower	Upper
76	100		
78	8.7	6.9	10.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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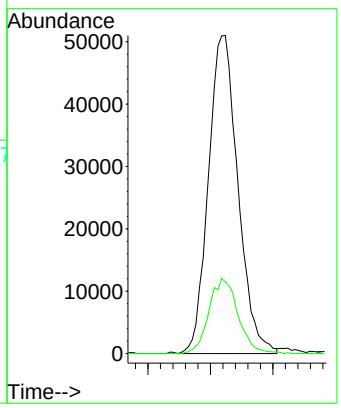
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

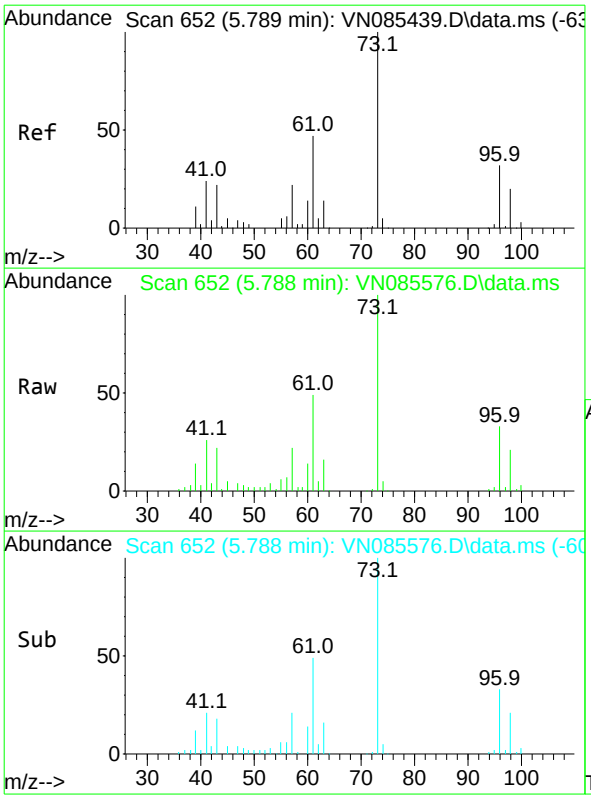


#18
Methyl Acetate
Concen: 57.490 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion: 43 Resp: 167533

Ion	Ratio	Lower	Upper
43	100		
74	23.2	18.6	28.0





#19
Methyl tert-butyl Ether
Concen: 54.443 ug/l
RT: 5.788 min Scan# 65
Delta R.T. -0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

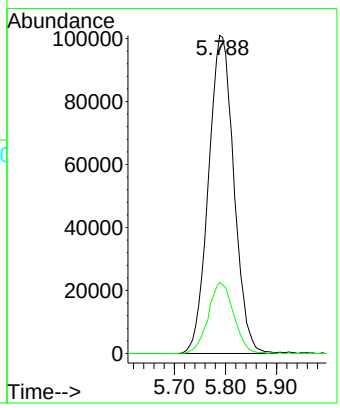
Tgt Ion: 73 Resp: 348608

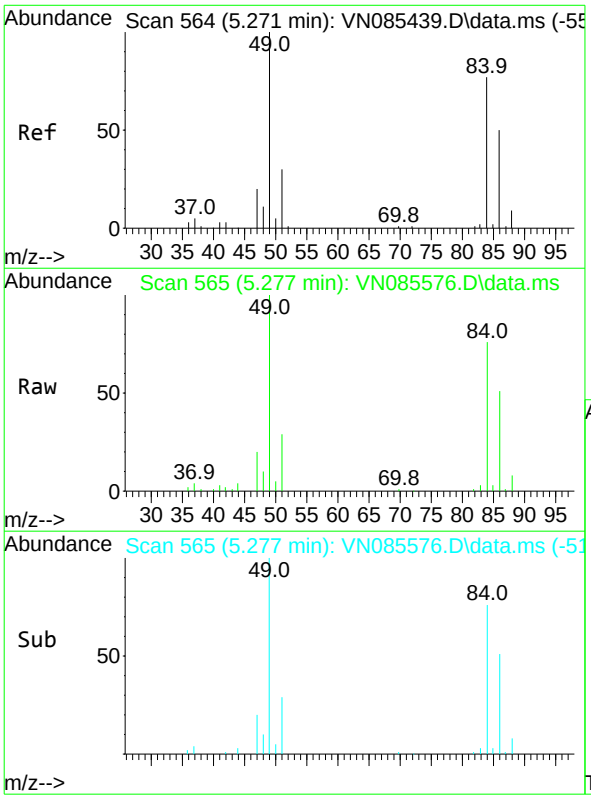
Ion	Ratio	Lower	Upper
73	100		
57	22.3	17.8	26.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

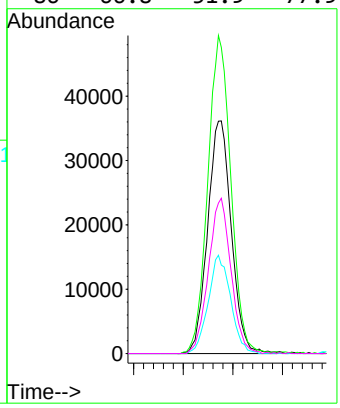


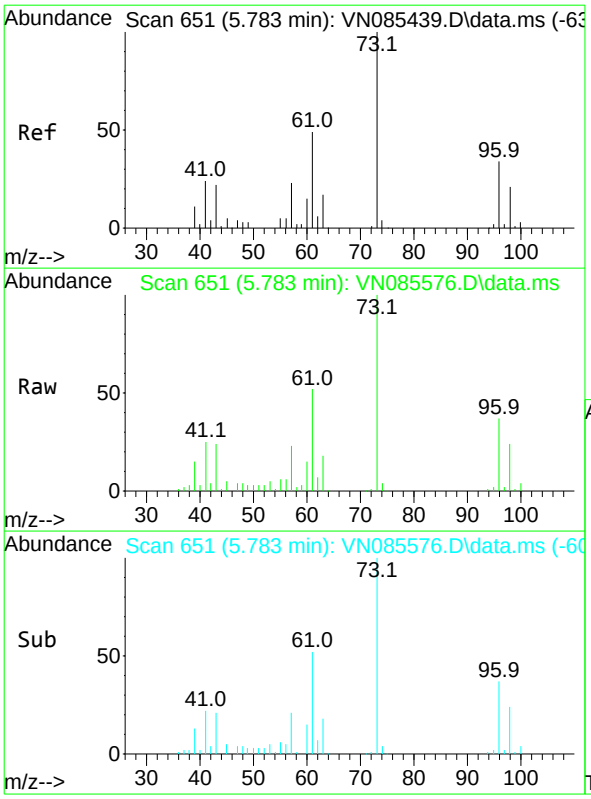


#20
Methylene Chloride
Concen: 50.478 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion: 84 Resp: 119755

Ion	Ratio	Lower	Upper
84	100		
49	131.6	104.1	156.1
51	38.0	31.0	46.4
86	66.8	51.9	77.9

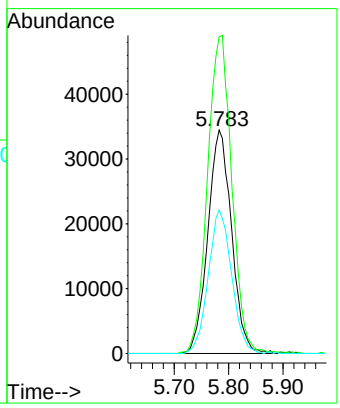




#21
trans-1,2-Dichloroethene
Concen: 49.604 ug/l
RT: 5.783 min Scan# 65
Delta R.T. -0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion: 96 Resp: 104539

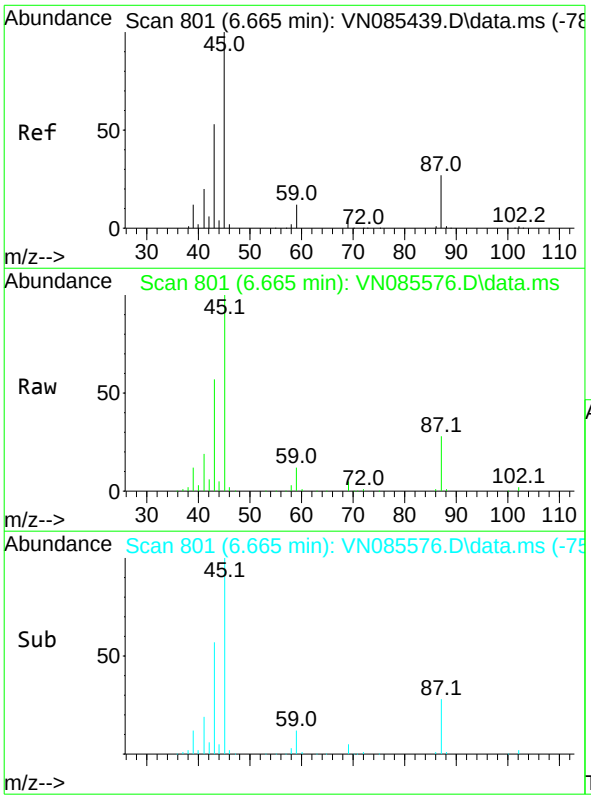
Ion	Ratio	Lower	Upper
96	100		
61	141.7	115.7	173.5
98	64.2	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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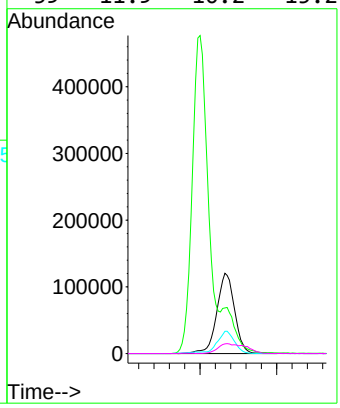
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

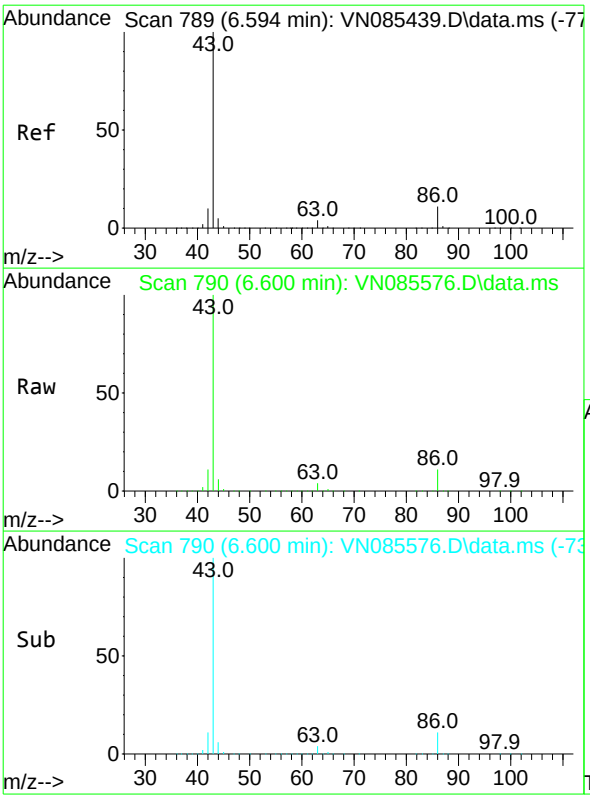


#22
Diisopropyl ether
Concen: 54.569 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion: 45 Resp: 387564

Ion	Ratio	Lower	Upper
45	100		
43	56.1	45.0	67.6
87	27.8	21.8	32.8
59	11.9	10.2	15.2

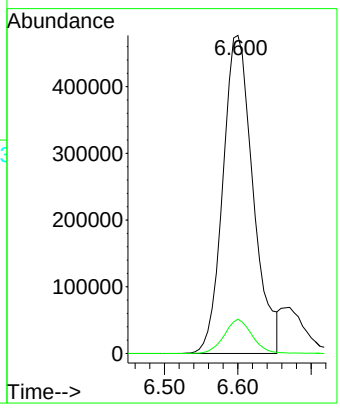




#23
Vinyl Acetate
Concen: 274.572 ug/l
RT: 6.600 min Scan# 79
Delta R.T. 0.006 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion: 43 Resp: 1364741

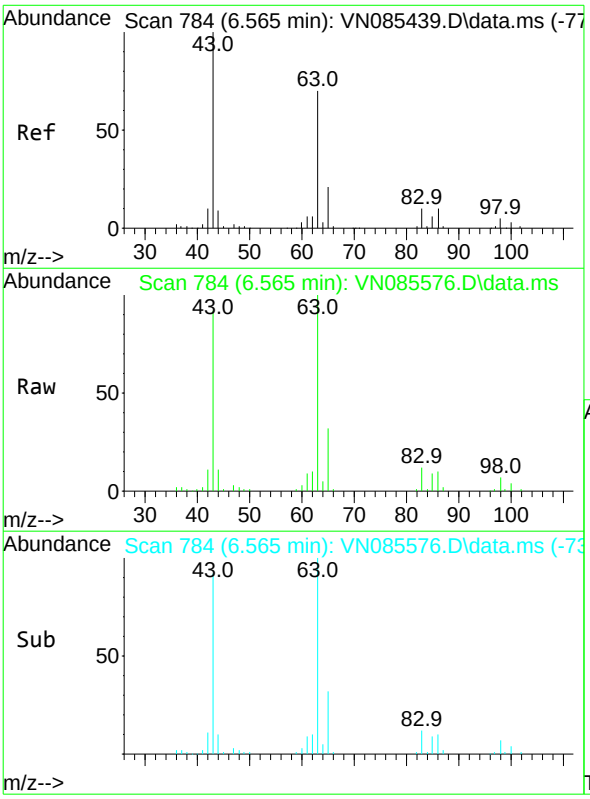
Ion	Ratio	Lower	Upper
43	100		
86	10.8	8.4	12.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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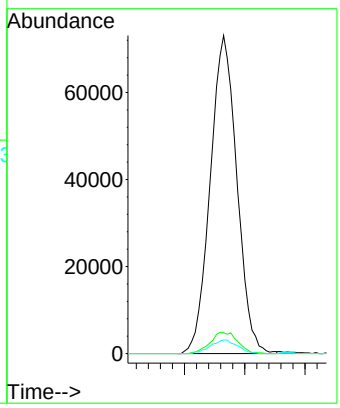
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

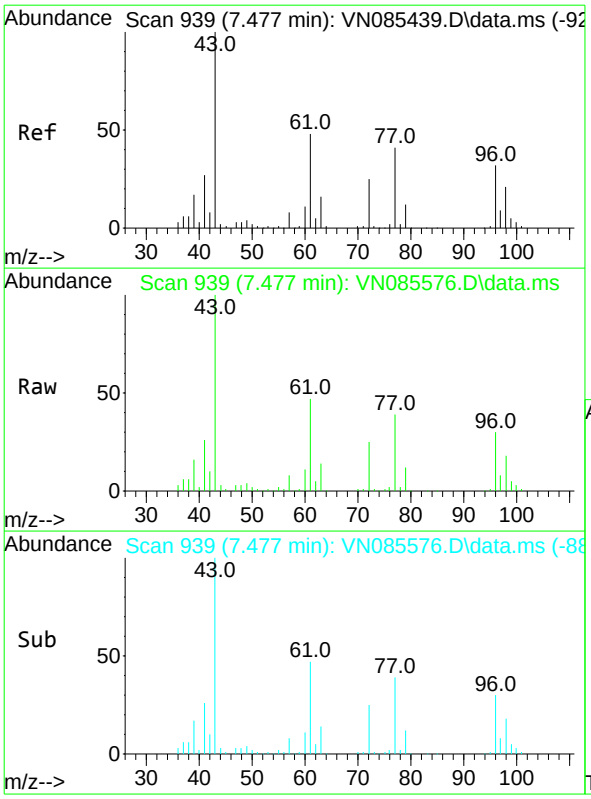


#24
1,1-Dichloroethane
Concen: 51.845 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion: 63 Resp: 224523

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.3	9.8
100	4.3	2.0	6.0

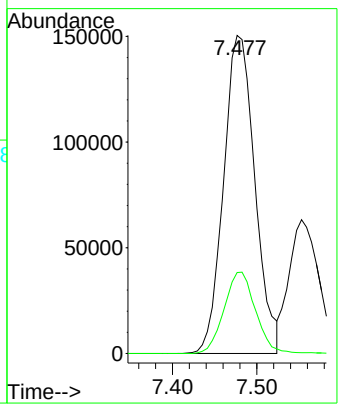




#25
2-Butanone
Concen: 275.487 ug/l
RT: 7.477 min Scan# 93
Delta R.T. -0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion: 43 Resp: 388510

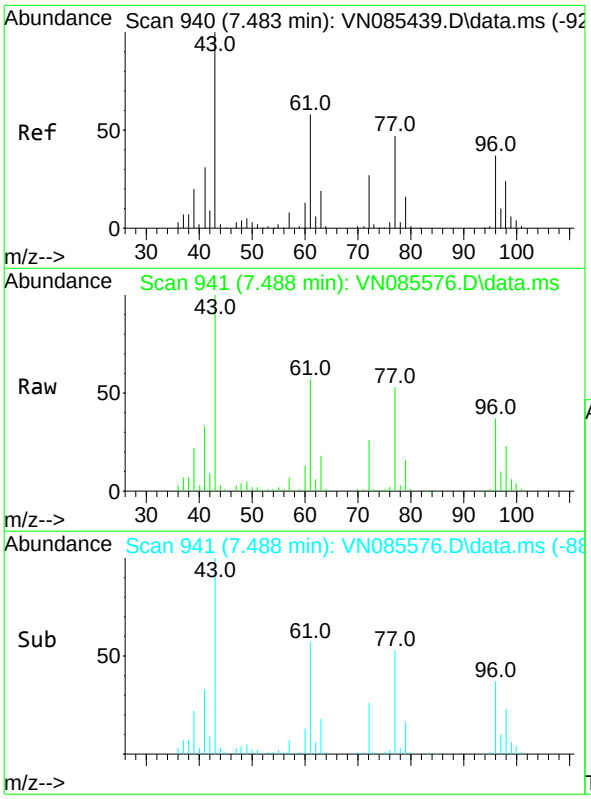
Ion	Ratio	Lower	Upper
43	100		
72	25.4	20.2	30.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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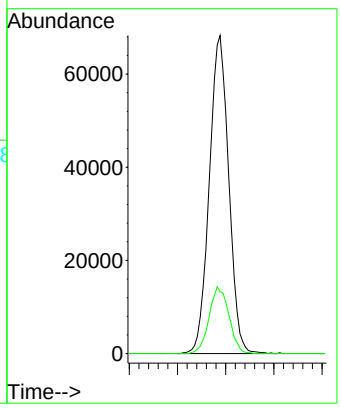
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

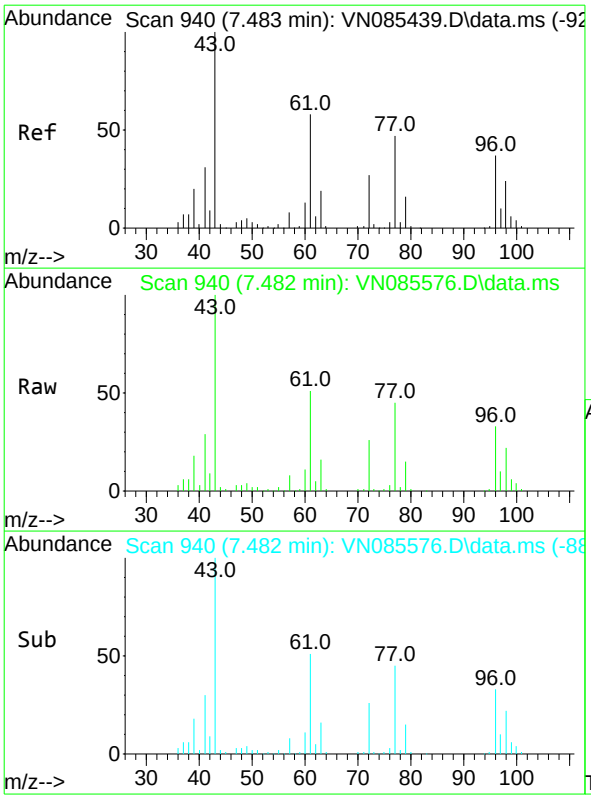


#26
2,2-Dichloropropane
Concen: 54.526 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion: 77 Resp: 190914

Ion	Ratio	Lower	Upper
77	100		
97	21.4	10.7	32.1





#27
cis-1,2-Dichloroethene
Concen: 52.236 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

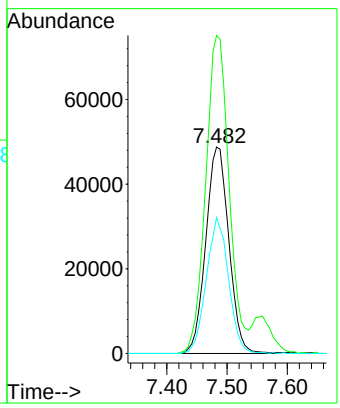
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

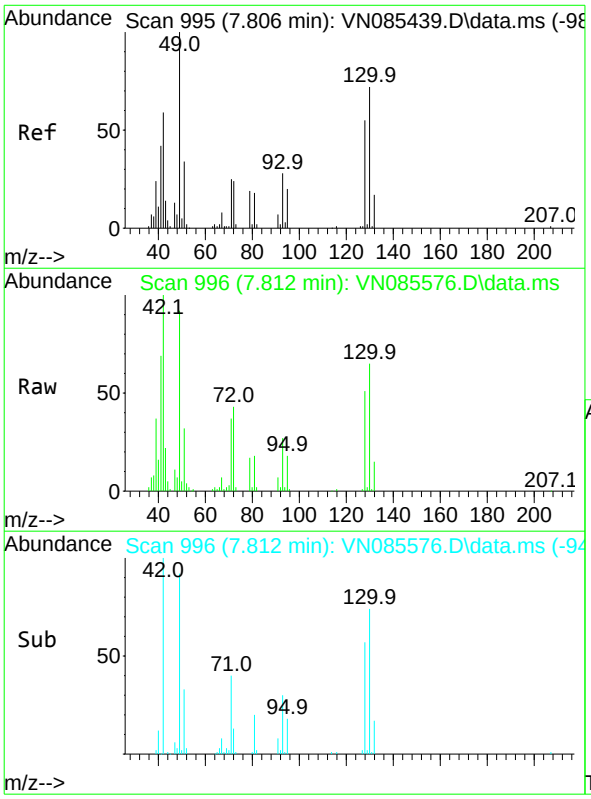
Tgt Ion: 96 Resp: 129662

Ion	Ratio	Lower	Upper
96	100		
61	156.4	0.0	311.8
98	63.3	0.0	126.0

Manual Integrations
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Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

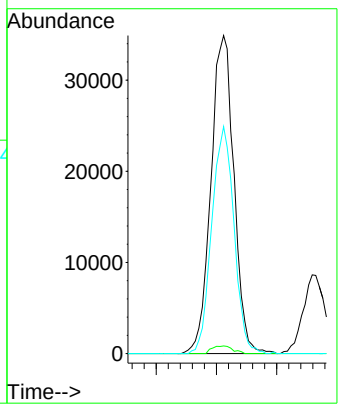


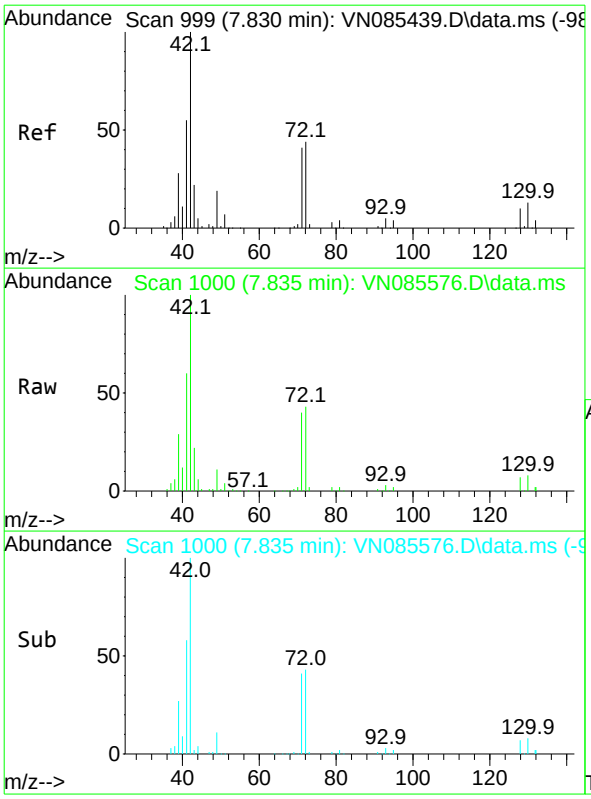


#28
Bromochloromethane
Concen: 45.943 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion: 49 Resp: 92566

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	69.0	55.0	82.4

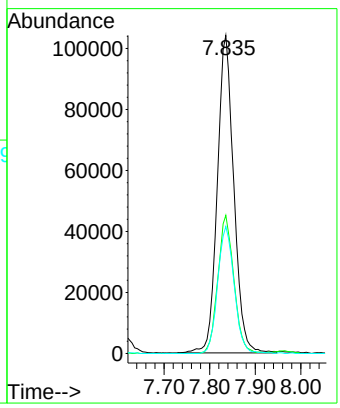




#29
Tetrahydrofuran
Concen: 292.028 ug/l
RT: 7.835 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion: 42 Resp: 261106

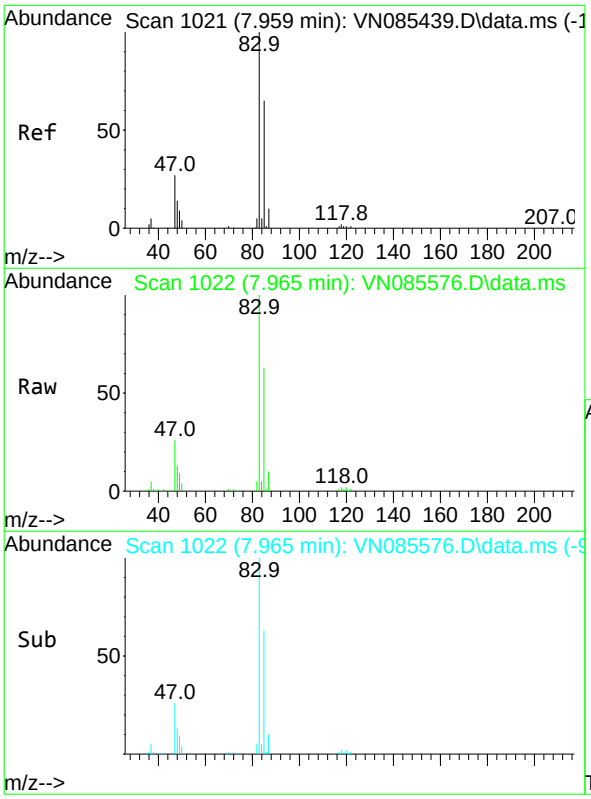
Ion	Ratio	Lower	Upper
42	100		
72	42.5	34.2	51.2
71	40.1	32.5	48.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

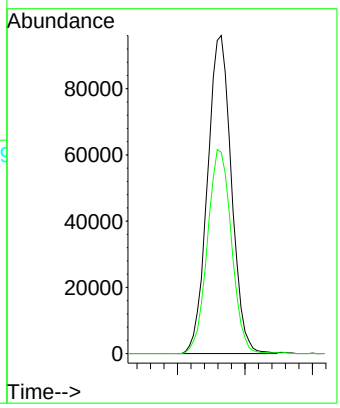
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

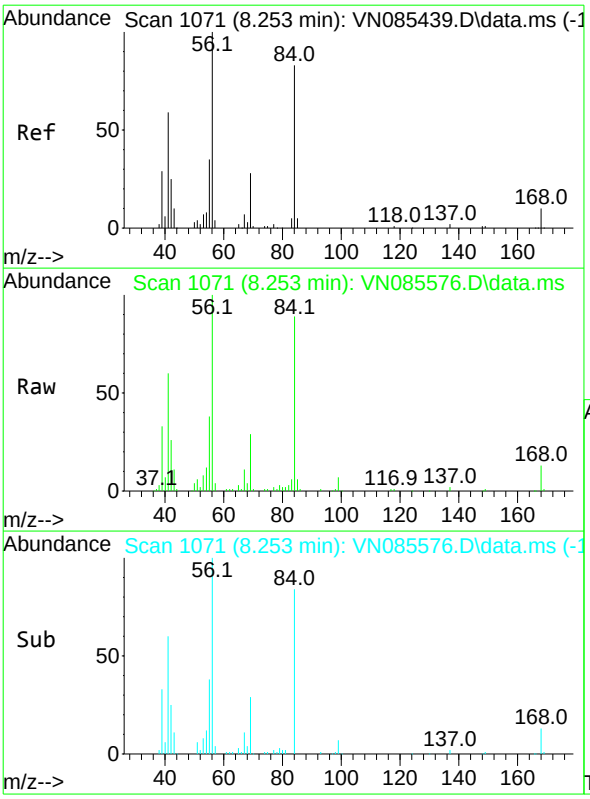


#30
Chloroform
Concen: 52.951 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion: 83 Resp: 237004

Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.8	77.6





#31
Cyclohexane
Concen: 44.147 ug/l
RT: 8.253 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

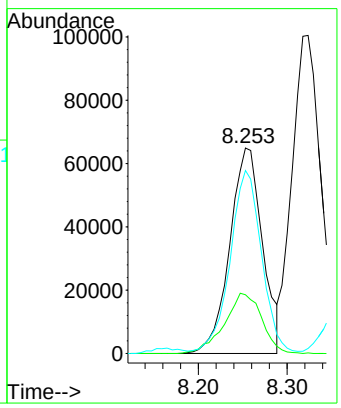
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

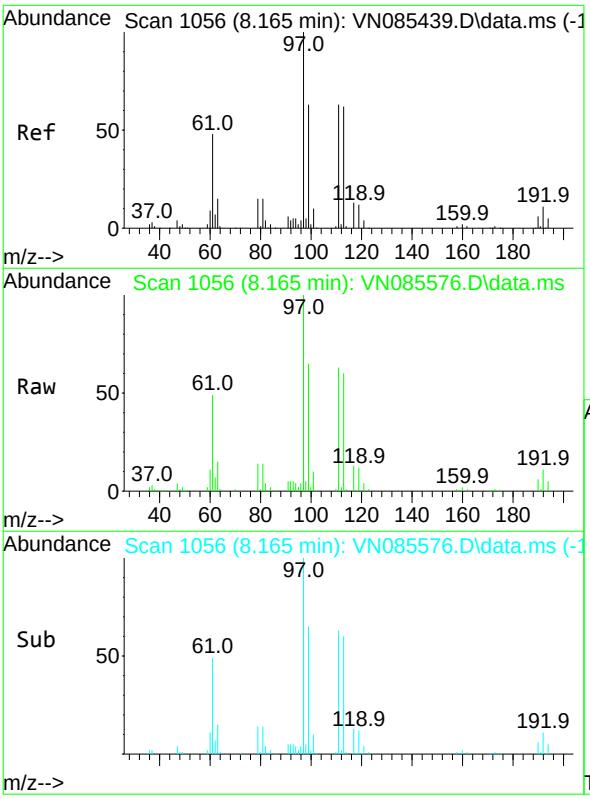
Tgt Ion: 56 Resp: 166174

Ion	Ratio	Lower	Upper
56	100		
69	28.6	22.2	33.4
84	87.0	66.4	99.6

Manual Integrations
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Supervised By :Semsettin Yesilyurt 01/31/2025

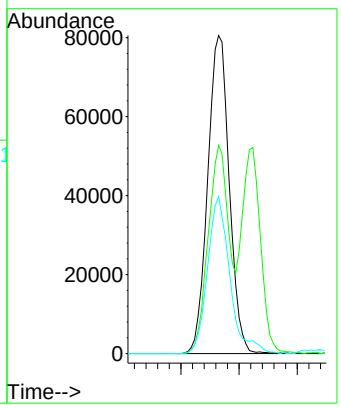


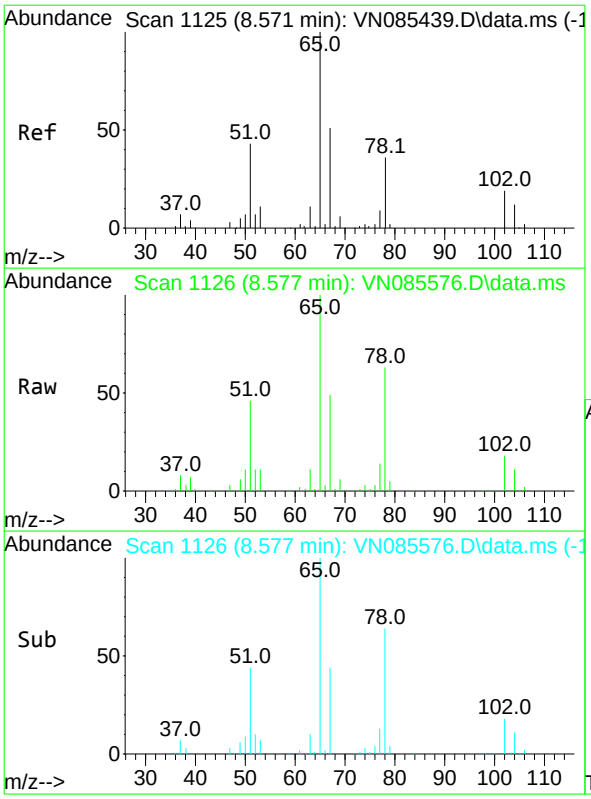


#32
1,1,1-Trichloroethane
Concen: 52.734 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion: 97 Resp: 207040

Ion	Ratio	Lower	Upper
97	100		
99	64.3	49.8	74.6
61	51.4	41.4	62.2

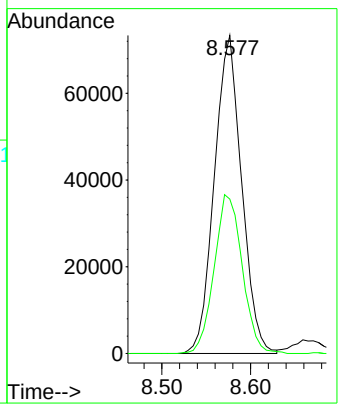




#33
1,2-Dichloroethane-d4
Concen: 52.739 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion: 65 Resp: 156421

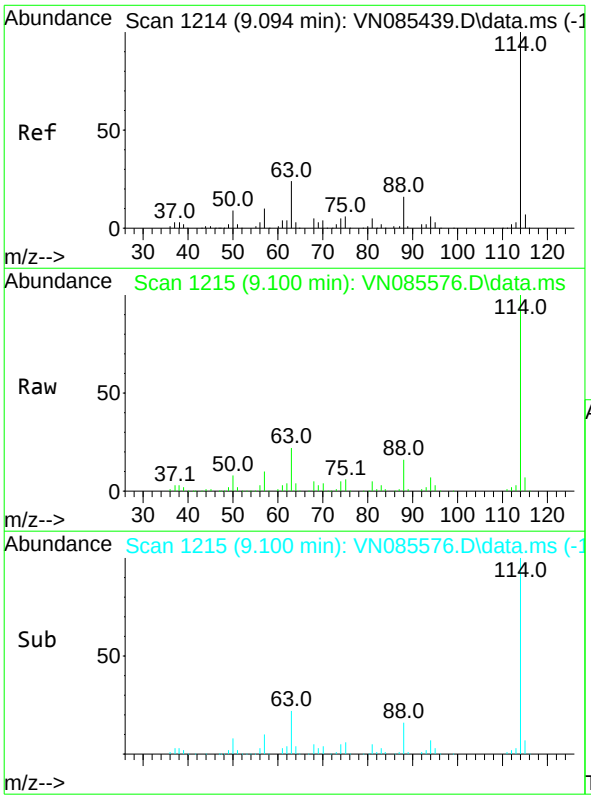
Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	101.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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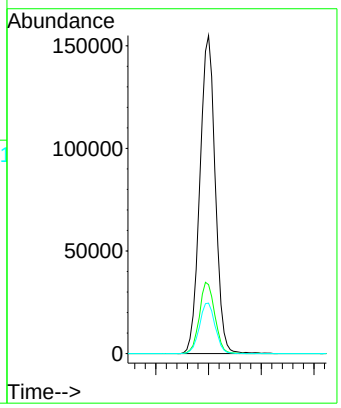
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

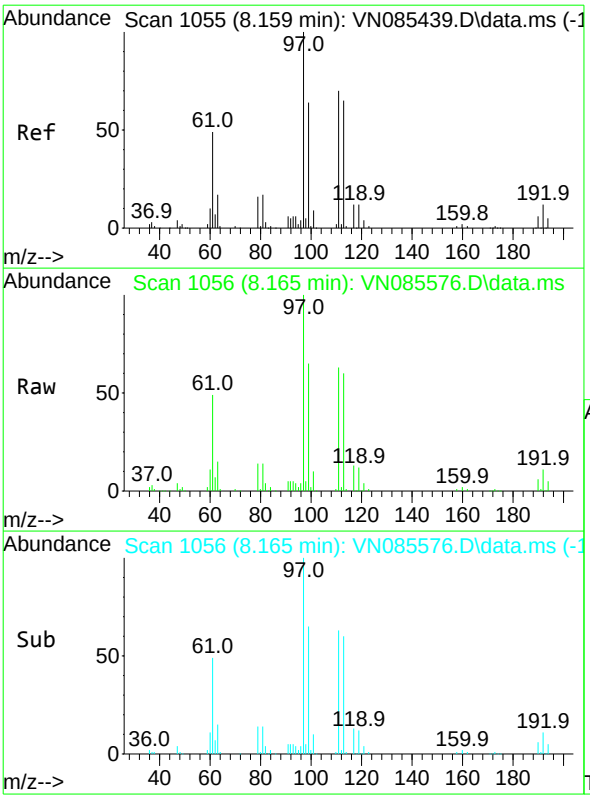


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion:114 Resp: 313882

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	47.6
88	15.9	0.0	32.6





#35
Dibromofluoromethane
Concen: 53.378 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

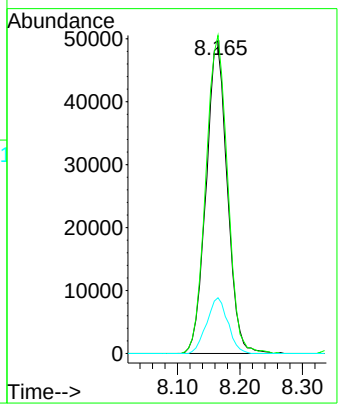
Tgt Ion:113 Resp: 116235

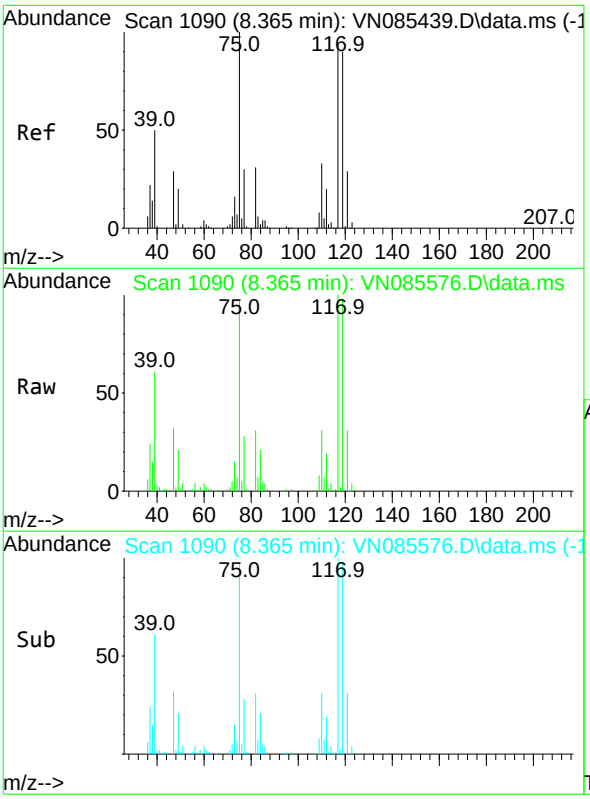
Ion	Ratio	Lower	Upper
113	100		
111	105.1	82.7	124.1
192	17.9	14.3	21.5

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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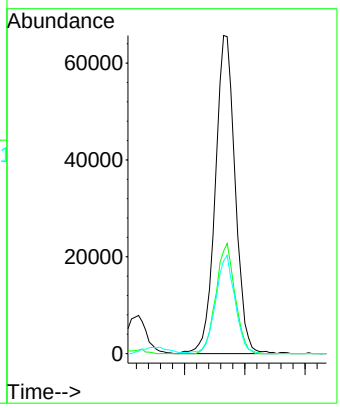


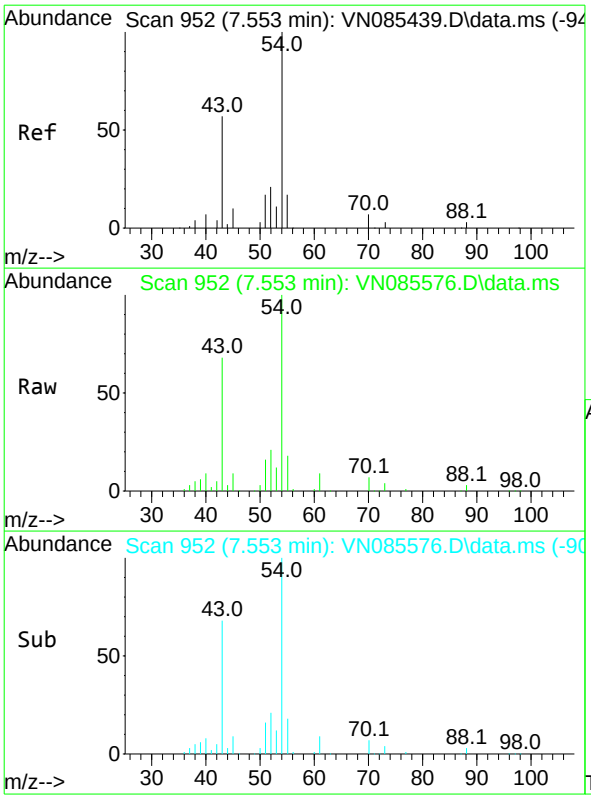


#36
1,1-Dichloropropene
Concen: 49.328 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion: 75 Resp: 150755

Ion	Ratio	Lower	Upper
75	100		
110	33.1	16.5	49.5
77	30.1	24.4	36.6





#37
Ethyl Acetate
Concen: 52.277 ug/l
RT: 7.553 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

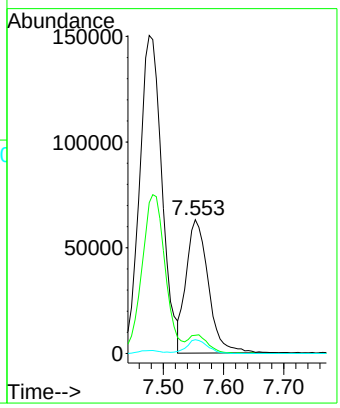
Tgt Ion: 43 Resp: 161263

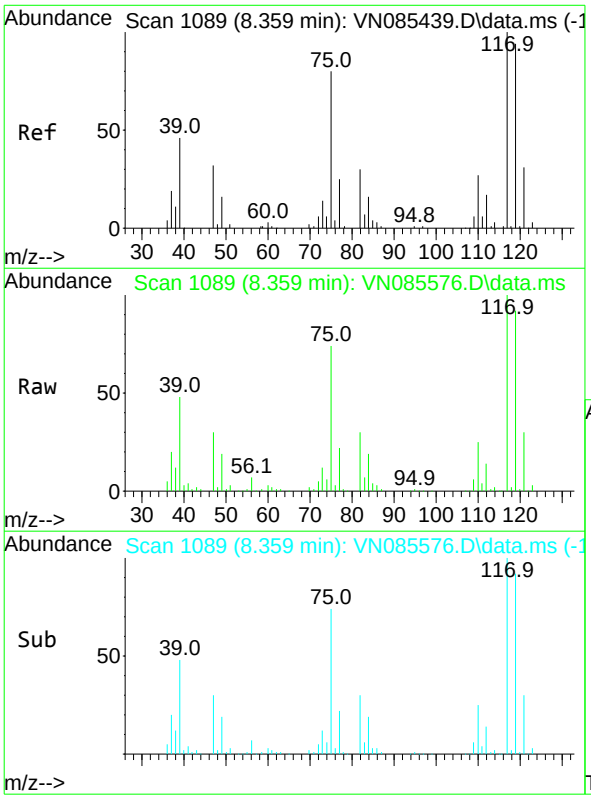
Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.9	16.3
70	9.7	7.5	11.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

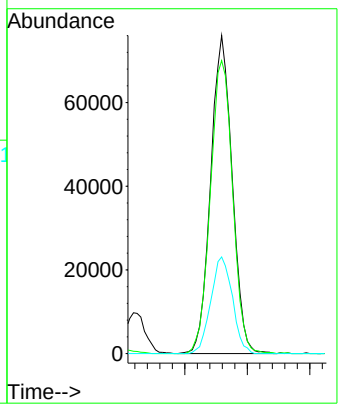


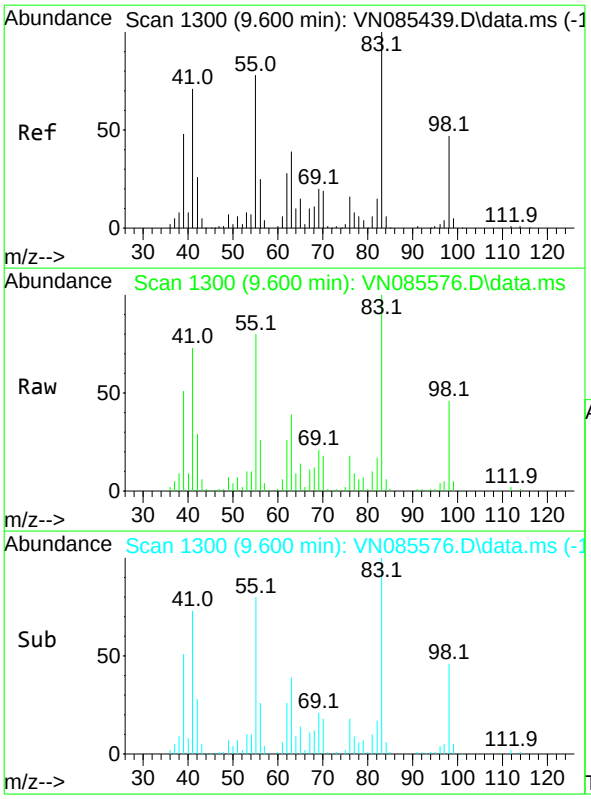


#38
Carbon Tetrachloride
Concen: 51.942 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion:117 Resp: 181734

Ion	Ratio	Lower	Upper
117	100		
119	92.1	75.4	113.2
121	30.4	24.6	37.0

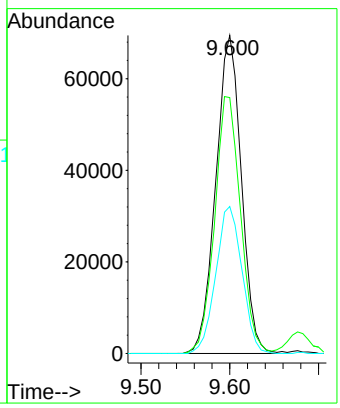




#39
Methylcyclohexane
Concen: 48.362 ug/l
RT: 9.600 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion: 83 Resp: 138891

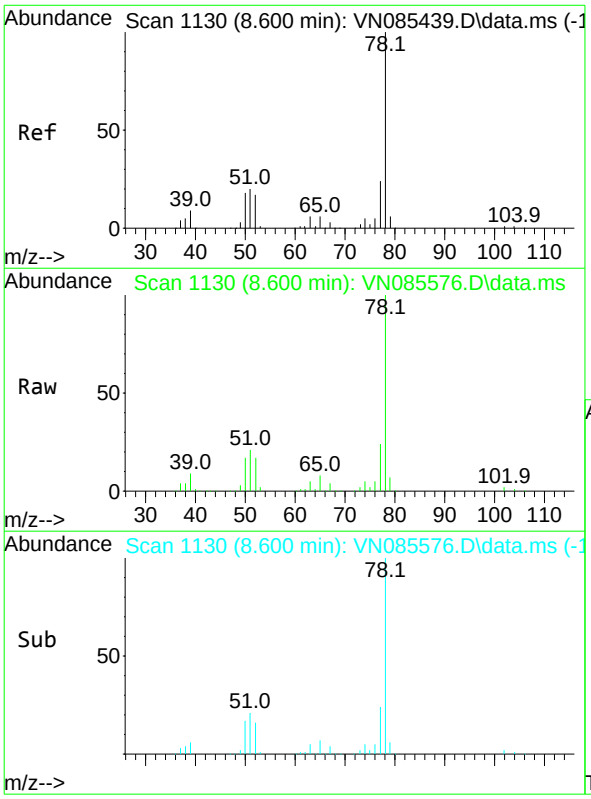
Ion	Ratio	Lower	Upper
83	100		
55	80.5	62.6	94.0
98	46.2	37.7	56.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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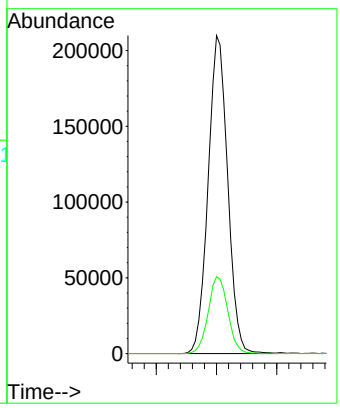
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

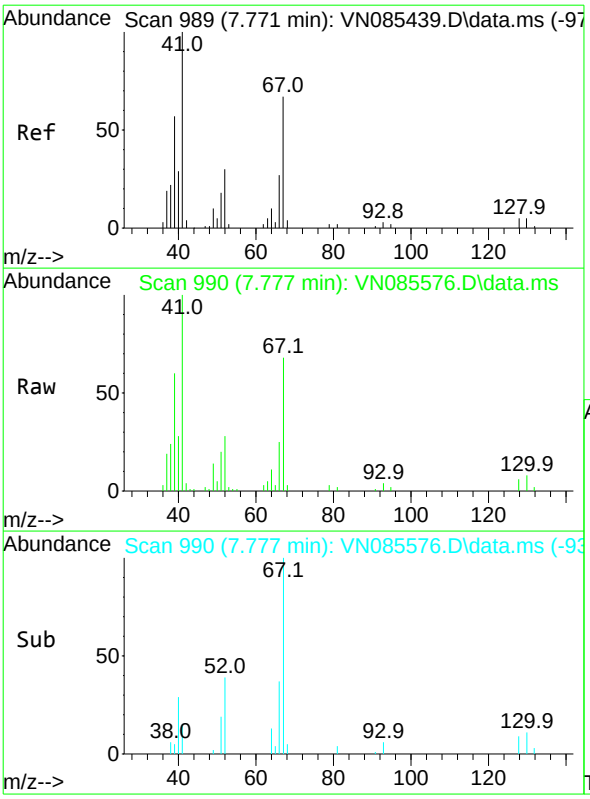


#40
Benzene
Concen: 51.439 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion: 78 Resp: 472356

Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.0	28.6

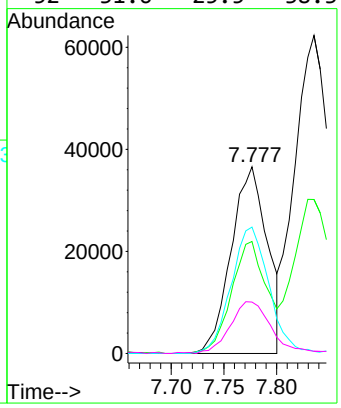




#41
Methacrylonitrile
Concen: 54.494 ug/l
RT: 7.777 min Scan# 99
Delta R.T. 0.006 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion: 41 Resp: 87457

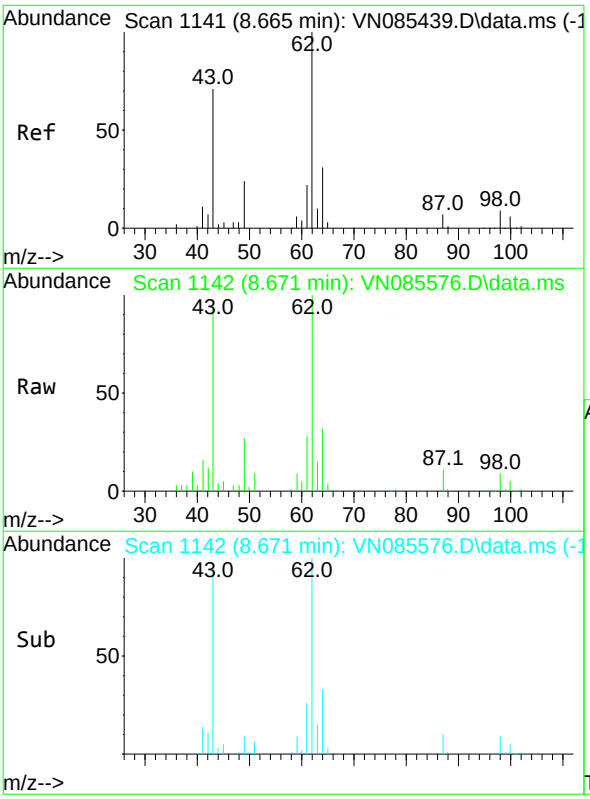
Ion	Ratio	Lower	Upper
41	100		
39	58.3	46.0	69.0
67	70.5	57.4	86.2
52	31.6	25.5	38.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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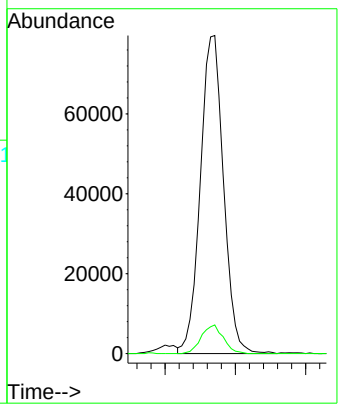
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

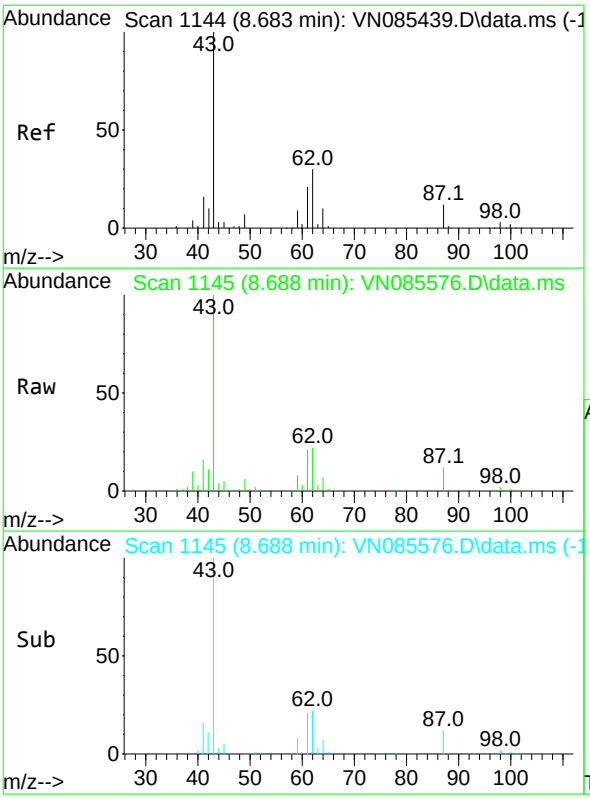


#42
1,2-Dichloroethane
Concen: 52.773 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion: 62 Resp: 182518

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.0

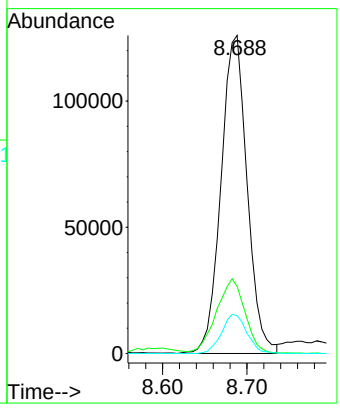




#43
Isopropyl Acetate
Concen: 54.946 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion: 43 Resp: 271592

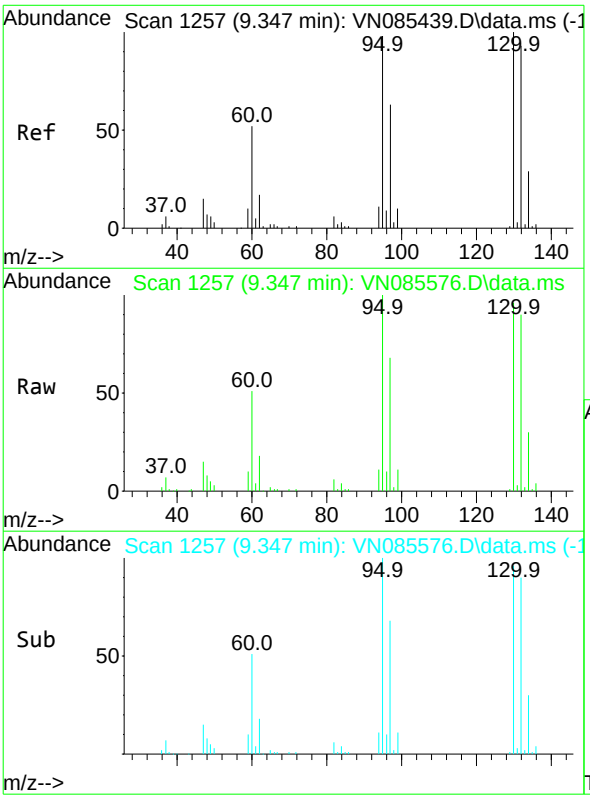
Ion	Ratio	Lower	Upper
43	100		
61	25.9	20.7	31.1
87	11.9	9.8	14.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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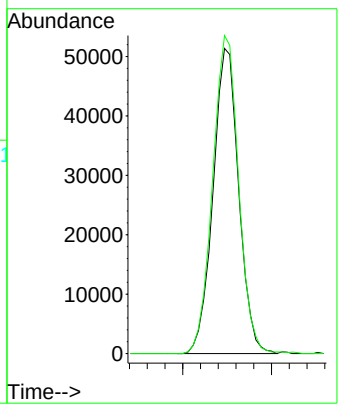
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

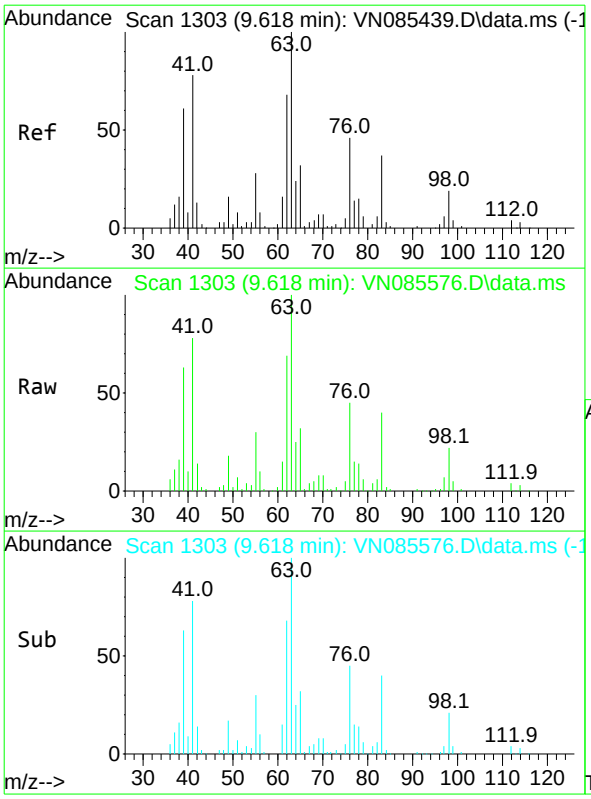


#44
Trichloroethene
Concen: 48.262 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion:130 Resp: 103161

Ion	Ratio	Lower	Upper
130	100		
95	104.2	0.0	195.8





#45
1,2-Dichloropropane
Concen: 53.456 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

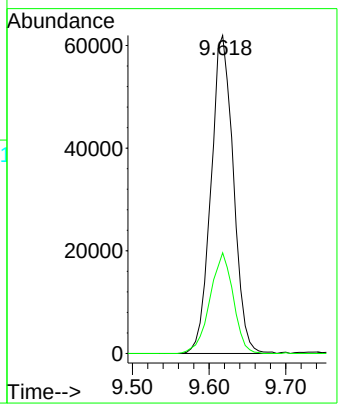
Tgt Ion: 63 Resp: 125383

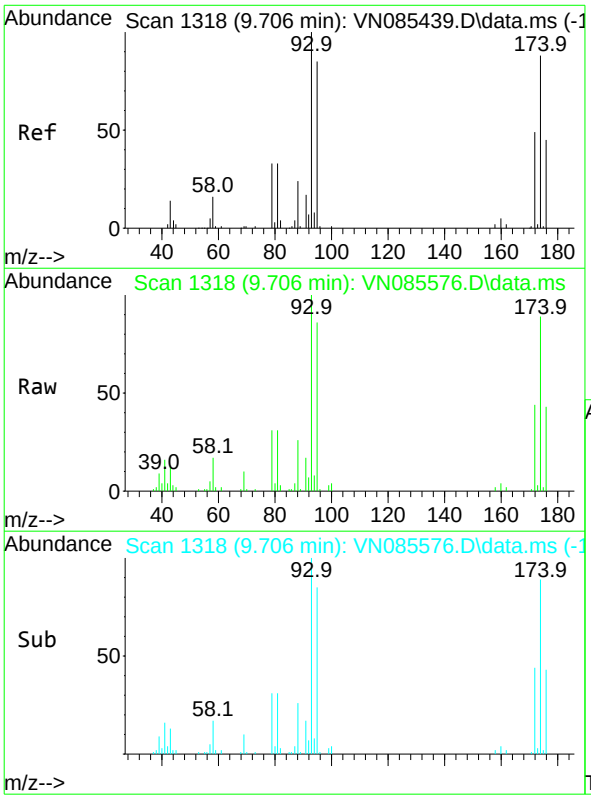
Ion	Ratio	Lower	Upper
63	100		
65	31.6	25.6	38.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

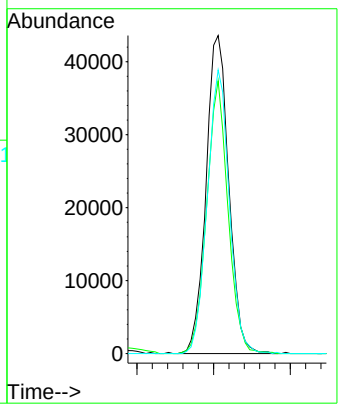


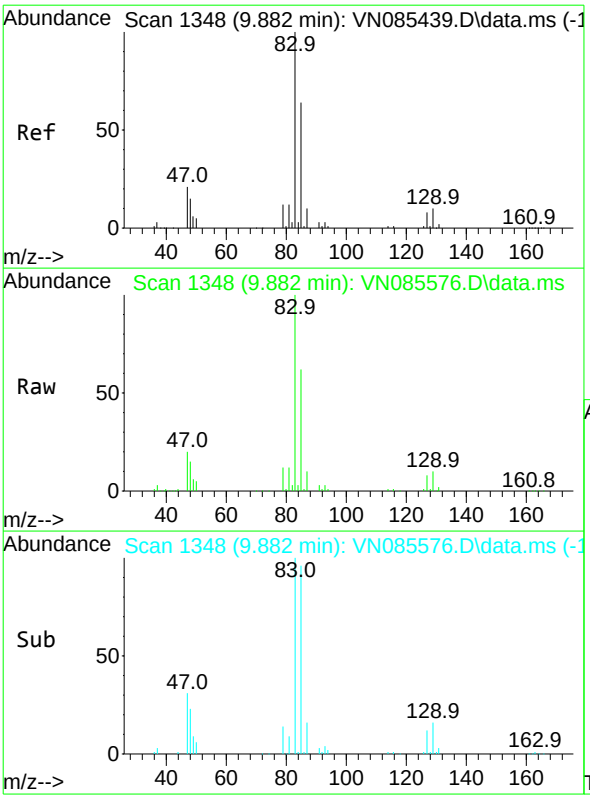


#46
Dibromomethane
Concen: 53.034 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion: 93 Resp: 89758

Ion	Ratio	Lower	Upper
93	100		
95	80.4	64.7	97.1
174	86.4	69.0	103.4

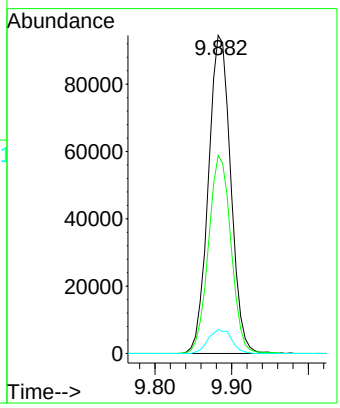




#47
Bromodichloromethane
Concen: 55.441 ug/l
RT: 9.882 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion: 83 Resp: 191163

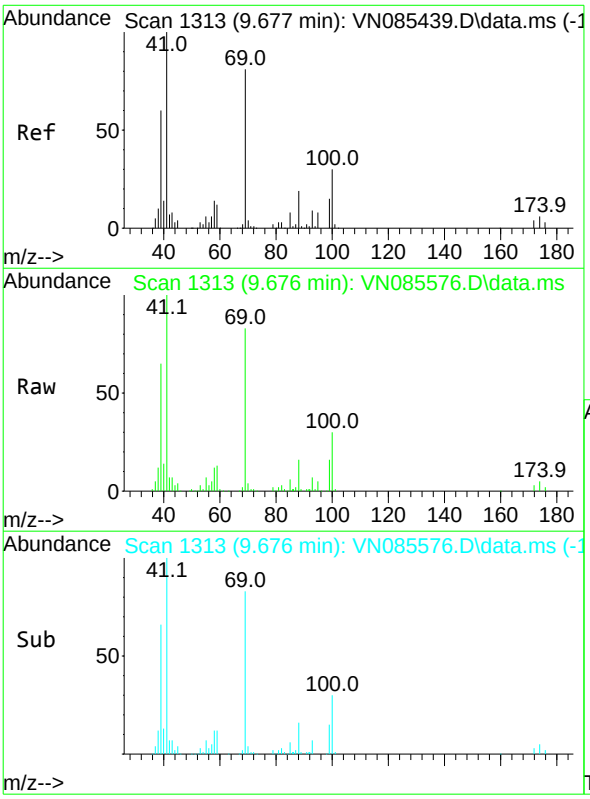
Ion	Ratio	Lower	Upper
83	100		
85	62.2	51.2	76.8
127	7.5	6.5	9.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

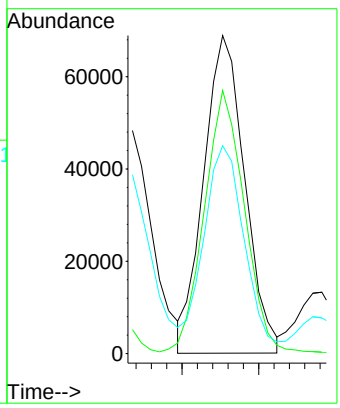
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

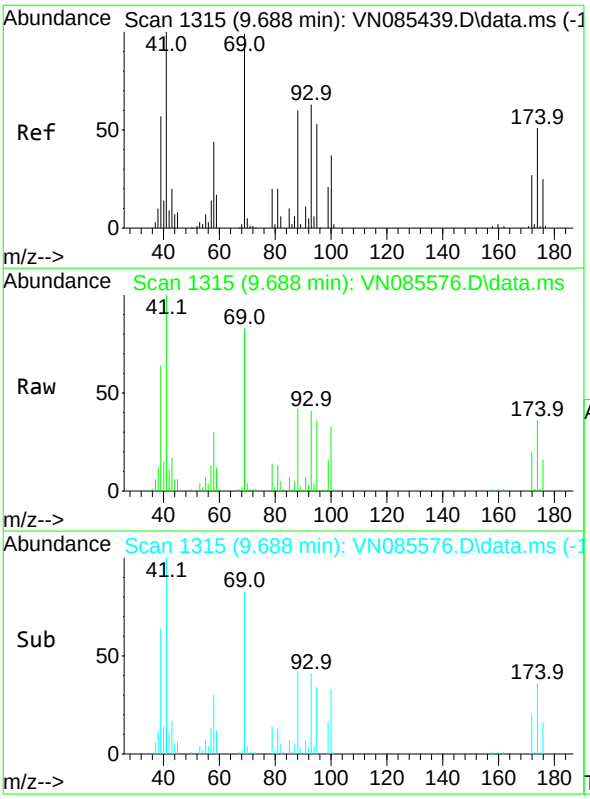


#48
Methyl methacrylate
Concen: 57.462 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.001 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion: 41 Resp: 127818

Ion	Ratio	Lower	Upper
41	100		
69	80.9	64.7	97.1
39	64.8	49.0	73.6





#49
1,4-Dioxane
Concen: 1101.481 ug/l
RT: 9.688 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

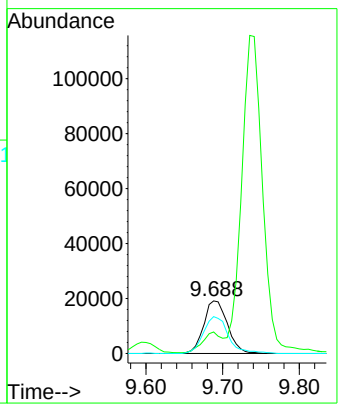
Tgt Ion: 88 Resp: 41260

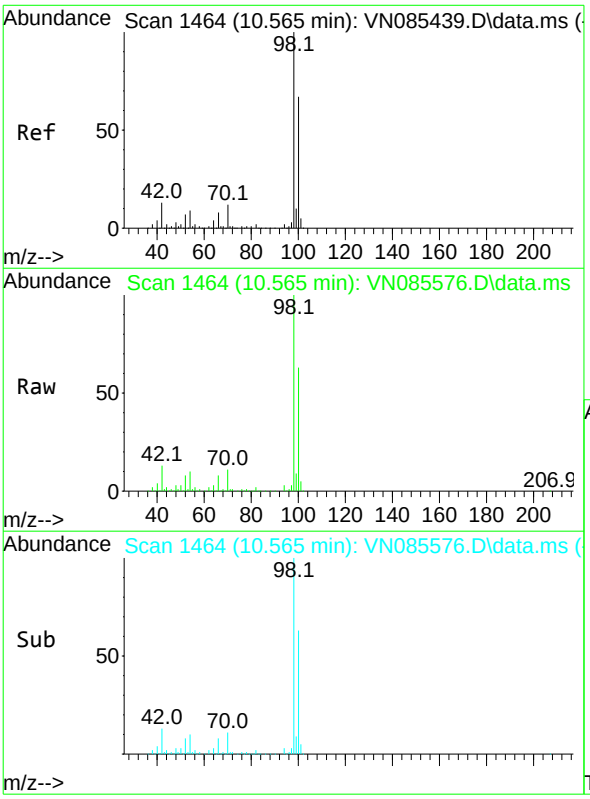
Ion	Ratio	Lower	Upper
88	100		
43	31.2	26.6	39.8
58	73.6	59.5	89.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

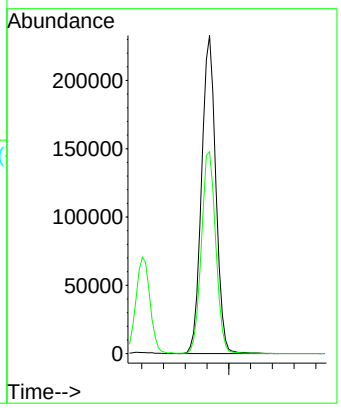


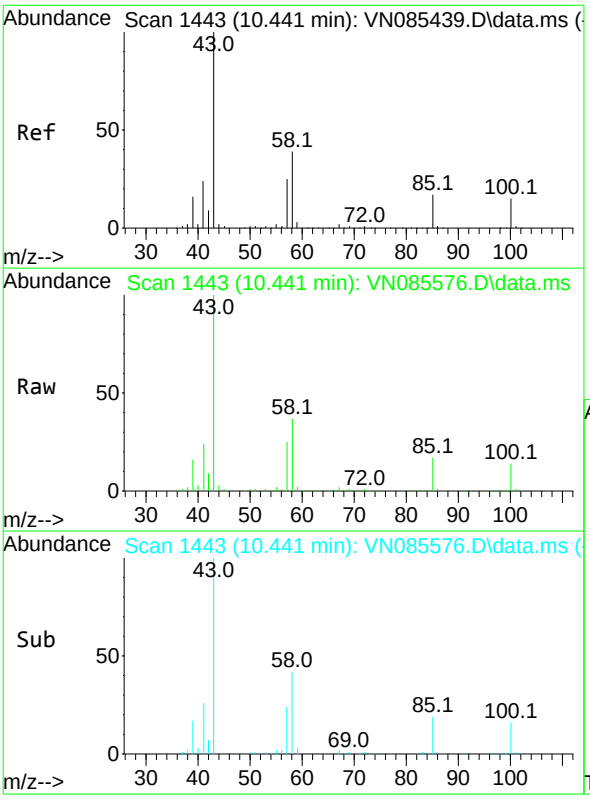


#50
Toluene-d8
Concen: 54.623 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion: 98 Resp: 422608

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.2	78.4





#51
4-Methyl-2-Pentanone
Concen: 300.635 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

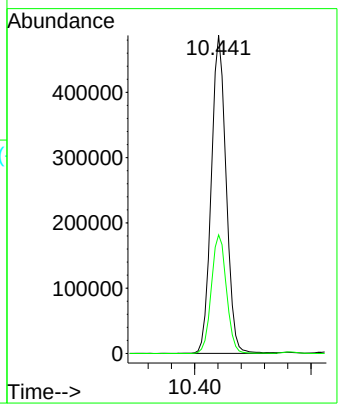
Tgt Ion: 43 Resp: 862307

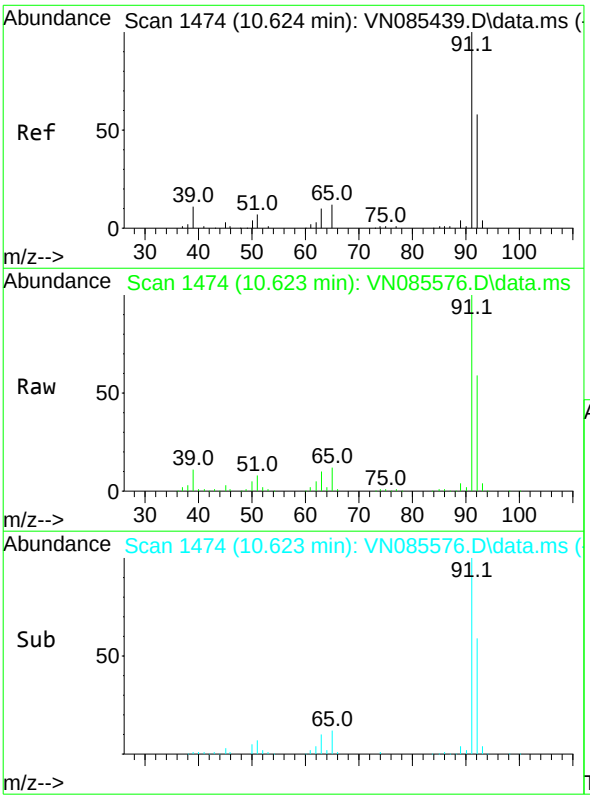
Ion	Ratio	Lower	Upper
43	100		
58	37.9	30.5	45.7

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

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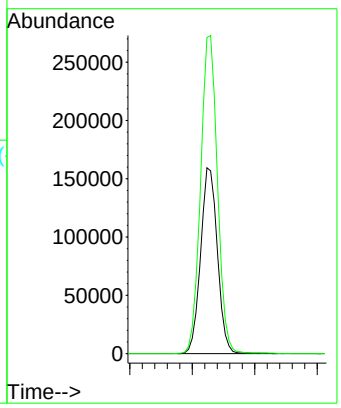


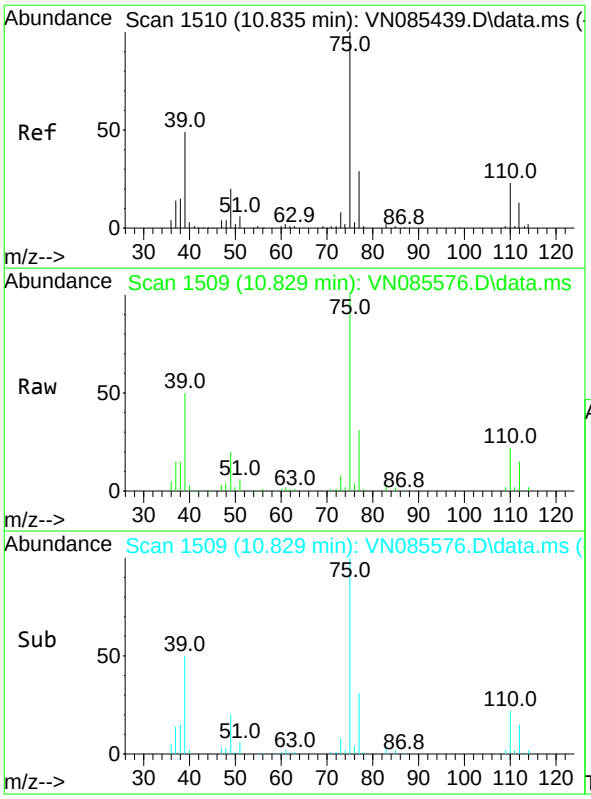


#52
Toluene
Concen: 55.777 ug/l
RT: 10.623 min Scan# 1474
Delta R.T. -0.001 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion: 92 Resp: 296774

Ion	Ratio	Lower	Upper
92	100		
91	172.5	139.2	208.8

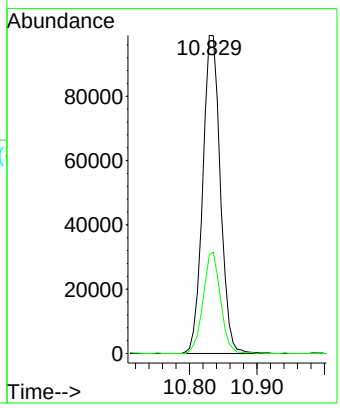




#53
t-1,3-Dichloropropene
Concen: 54.950 ug/l
RT: 10.829 min Scan# 15
Delta R.T. -0.006 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion: 75 Resp: 179055

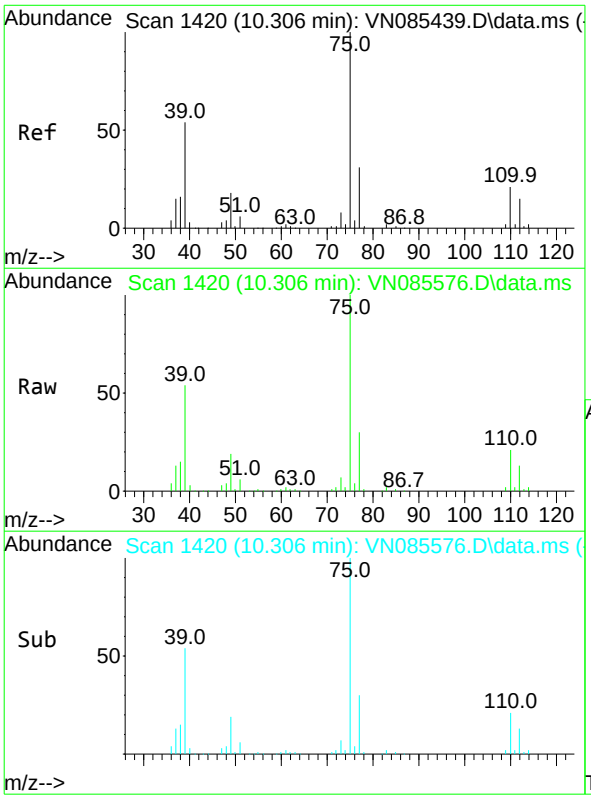
Ion	Ratio	Lower	Upper
75	100		
77	31.0	23.5	35.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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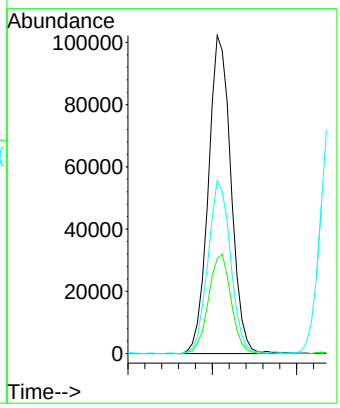
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

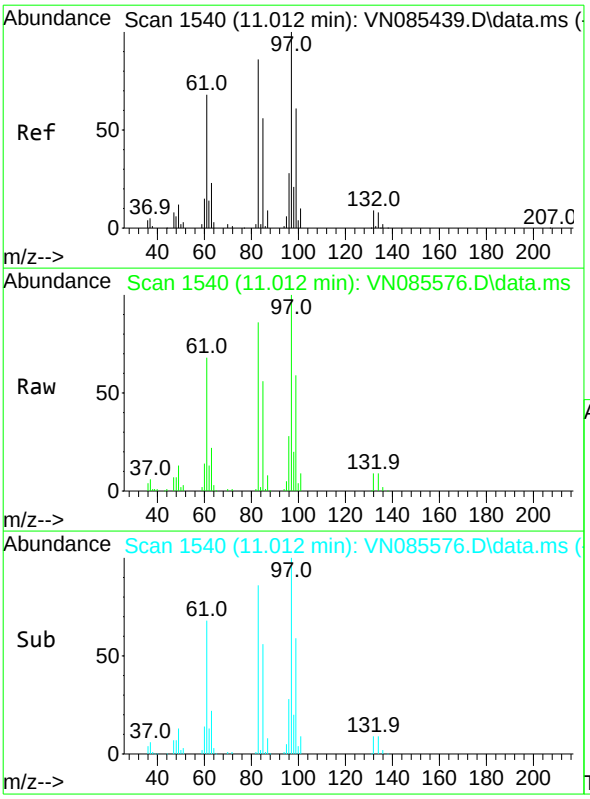


#54
cis-1,3-Dichloropropene
Concen: 54.703 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion: 75 Resp: 190400

Ion	Ratio	Lower	Upper
75	100		
77	29.8	25.0	37.4
39	54.4	43.1	64.7





#55
1,1,2-Trichloroethane
Concen: 56.098 ug/l
RT: 11.012 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

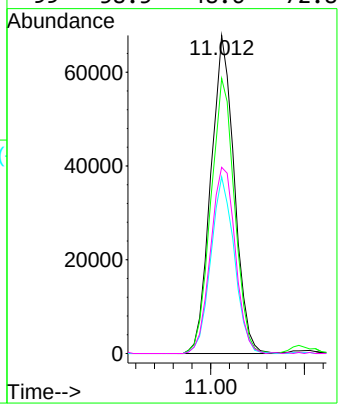
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

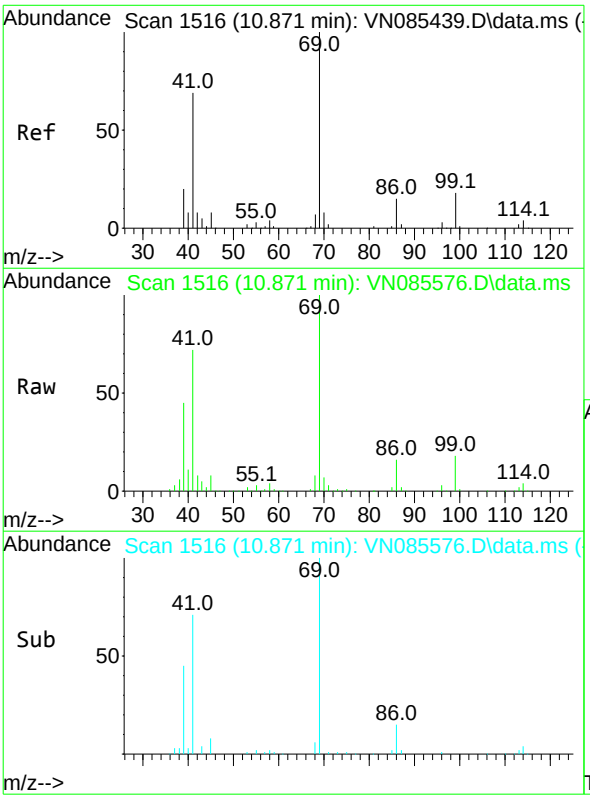
Tgt Ion: 97 Resp: 118122

Ion	Ratio	Lower	Upper
97	100		
83	86.5	69.0	103.6
85	55.5	44.6	66.8
99	58.5	48.6	72.8

Manual Integrations
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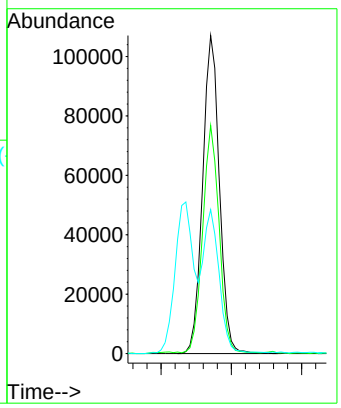


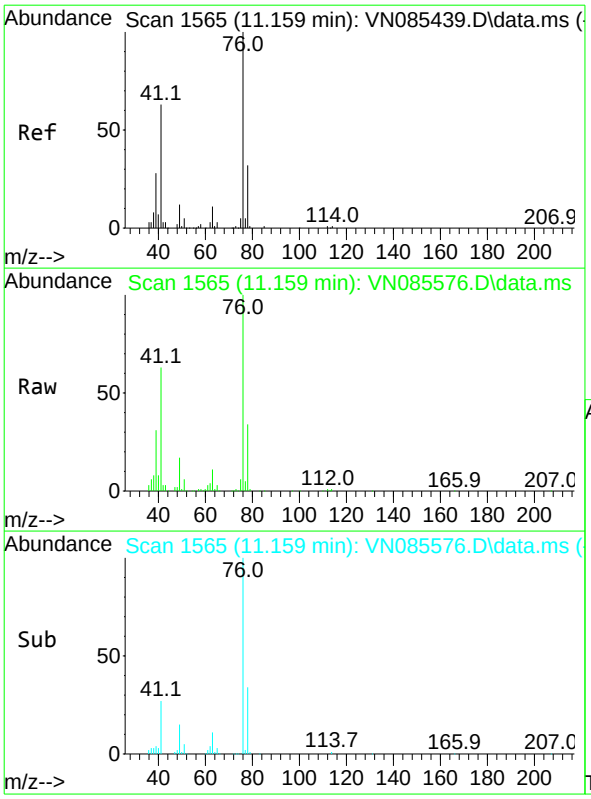


#56
Ethyl methacrylate
Concen: 50.059 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion: 69 Resp: 177570

Ion	Ratio	Lower	Upper
69	100		
41	69.8	54.6	82.0
39	42.4	32.4	48.6





#57
1,3-Dichloropropane
Concen: 55.253 ug/l
RT: 11.159 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

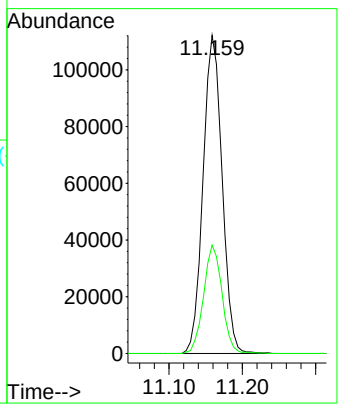
Tgt Ion: 76 Resp: 202300

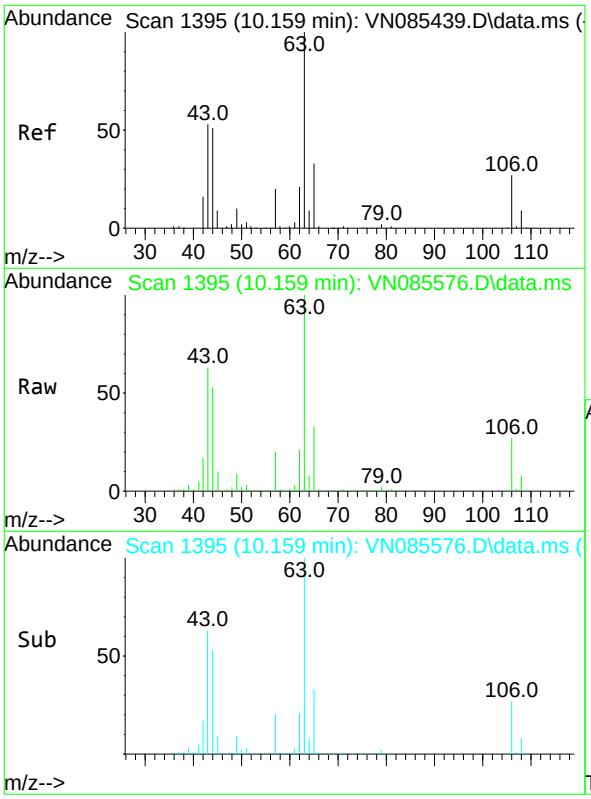
Ion	Ratio	Lower	Upper
76	100		
78	33.1	25.6	38.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 01/31/2025
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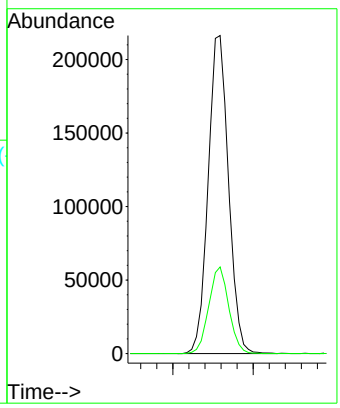


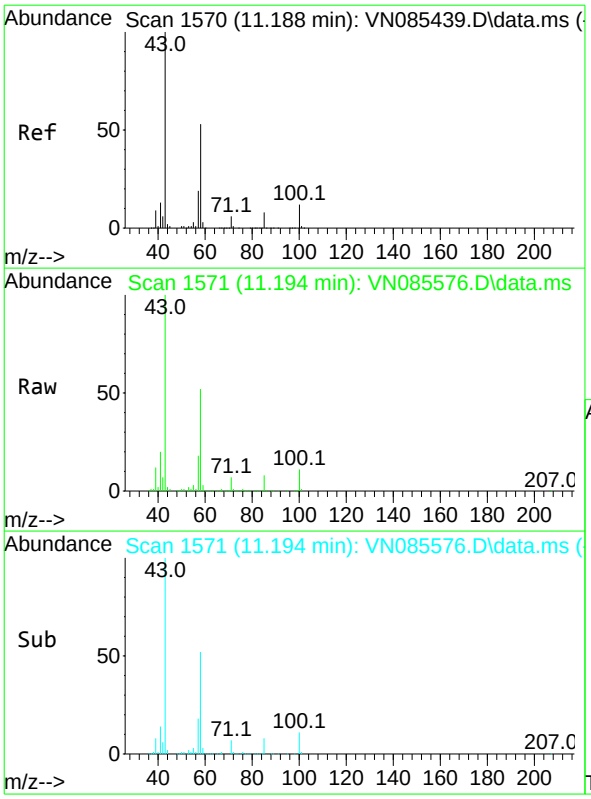


#58
2-Chloroethyl Vinyl ether
Concen: 284.749 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion: 63 Resp: 380492

Ion	Ratio	Lower	Upper
63	100		
106	26.8	21.6	32.4





#59
2-Hexanone
Concen: 310.960 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

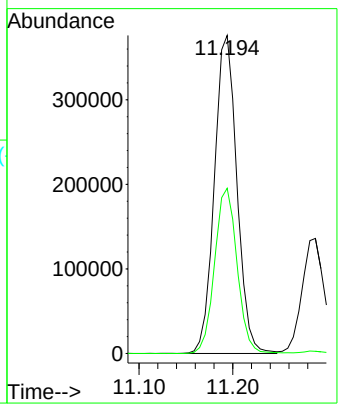
Tgt Ion: 43 Resp: 627583

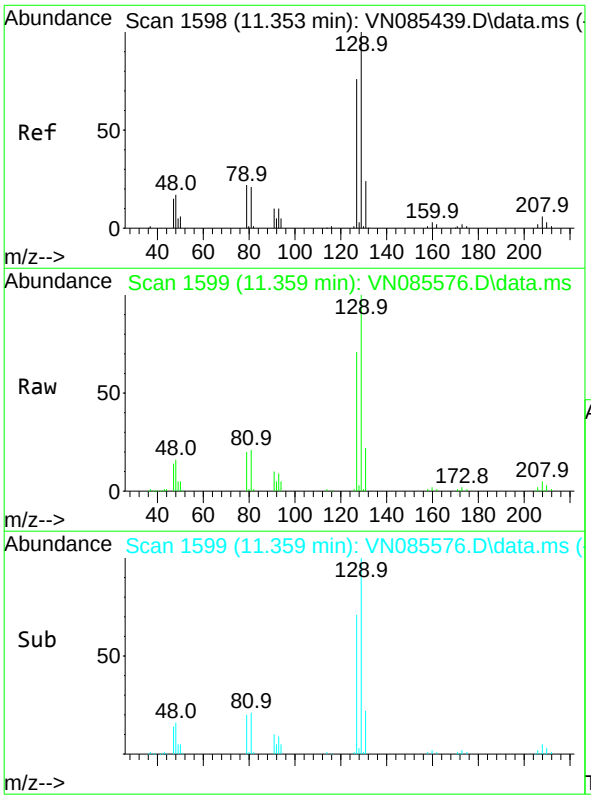
Ion	Ratio	Lower	Upper
43	100		
58	51.7	26.2	78.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

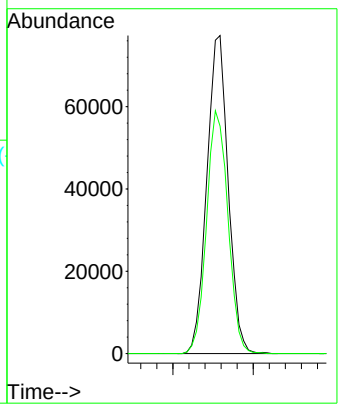


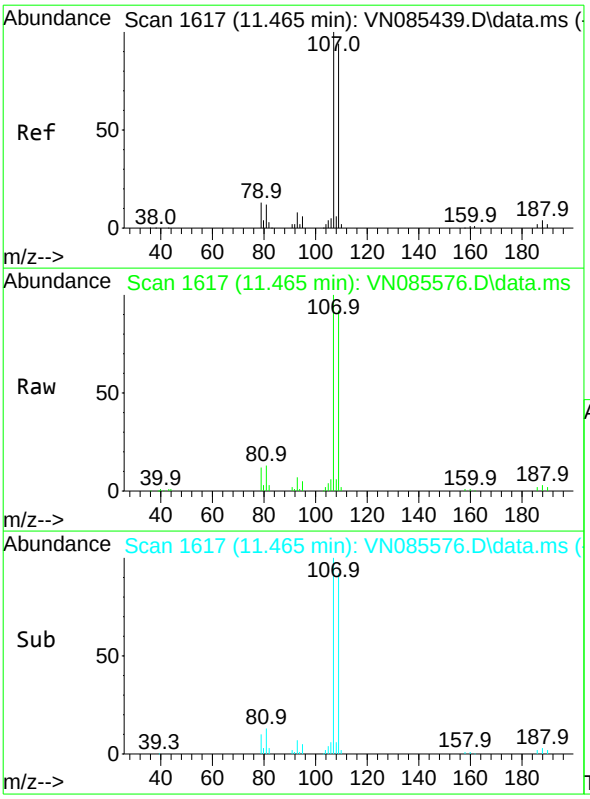


#60
Dibromochloromethane
Concen: 56.166 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion:129 Resp: 142781

Ion	Ratio	Lower	Upper
129	100		
127	76.5	38.6	115.8





#61
1,2-Dibromoethane
Concen: 54.137 ug/l
RT: 11.465 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

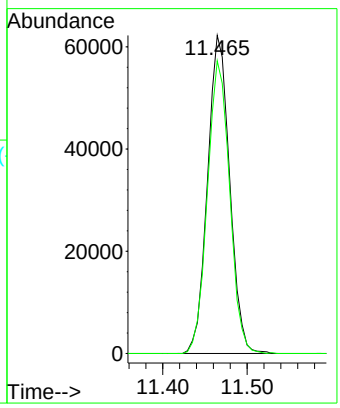
Tgt Ion:107 Resp: 113470

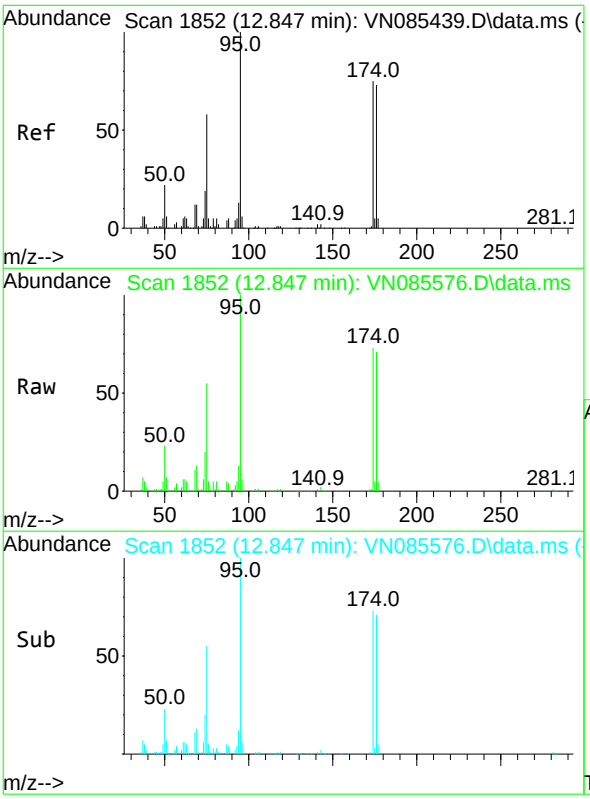
Ion	Ratio	Lower	Upper
107	100		
109	92.3	75.9	113.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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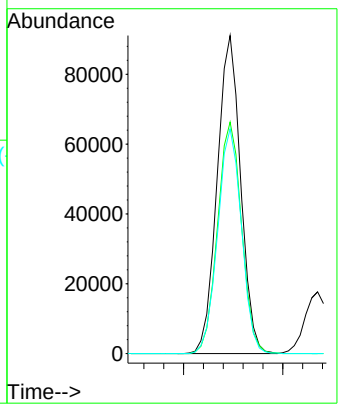


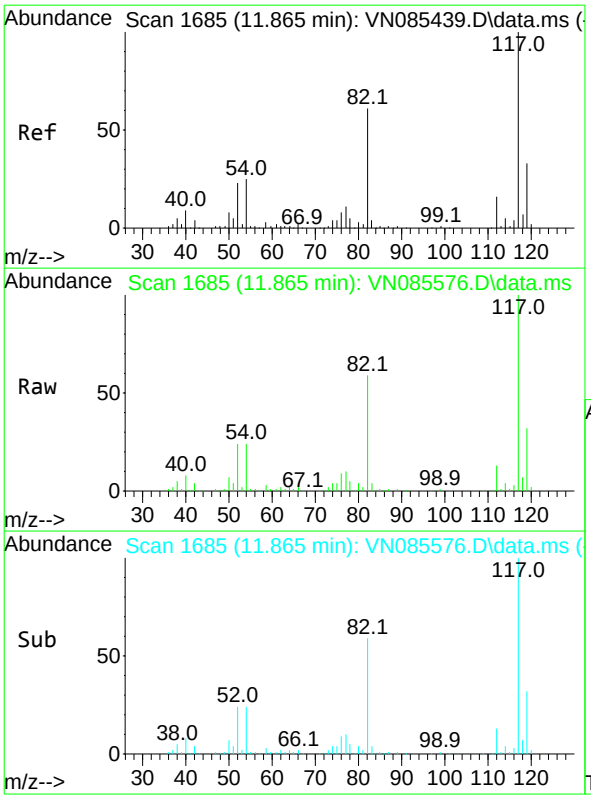


#62
4-Bromofluorobenzene
Concen: 56.593 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion: 95 Resp: 149779

Ion	Ratio	Lower	Upper
95	100		
174	74.3	0.0	145.0
176	71.4	0.0	142.4

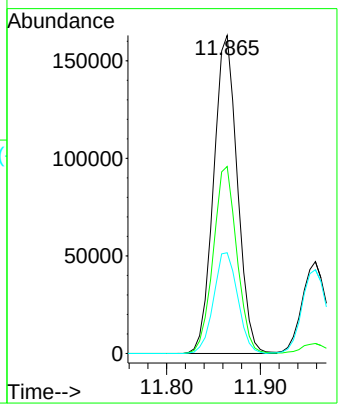




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion:117 Resp: 286764

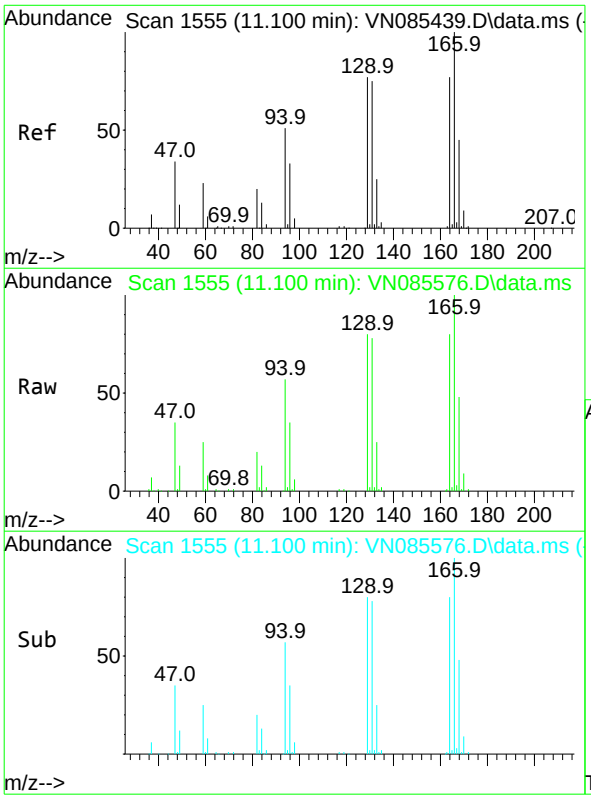
Ion	Ratio	Lower	Upper
117	100		
82	58.8	48.6	72.8
119	31.7	26.6	39.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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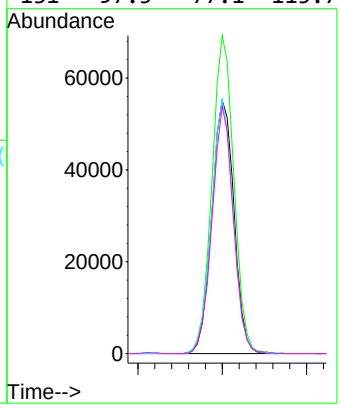
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

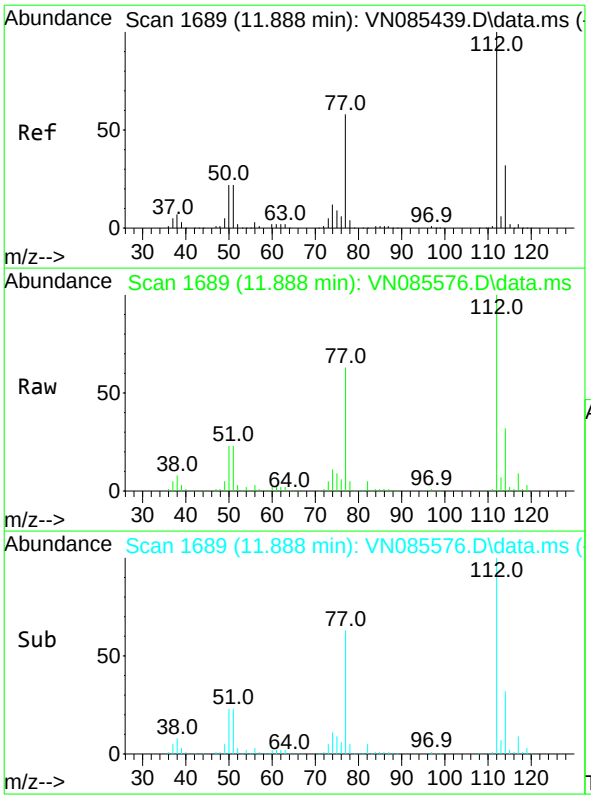


#64
Tetrachloroethene
Concen: 51.614 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion:164 Resp: 100903

Ion	Ratio	Lower	Upper
164	100		
166	125.5	103.4	155.2
129	100.2	79.2	118.8
131	97.5	77.1	115.7

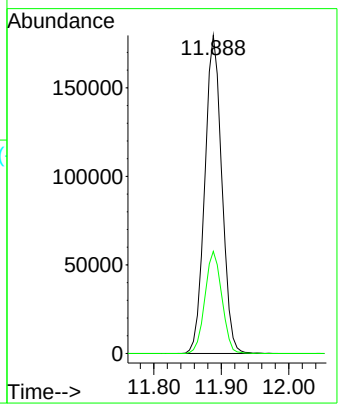




#65
Chlorobenzene
Concen: 50.094 ug/l
RT: 11.888 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion:112 Resp: 314692

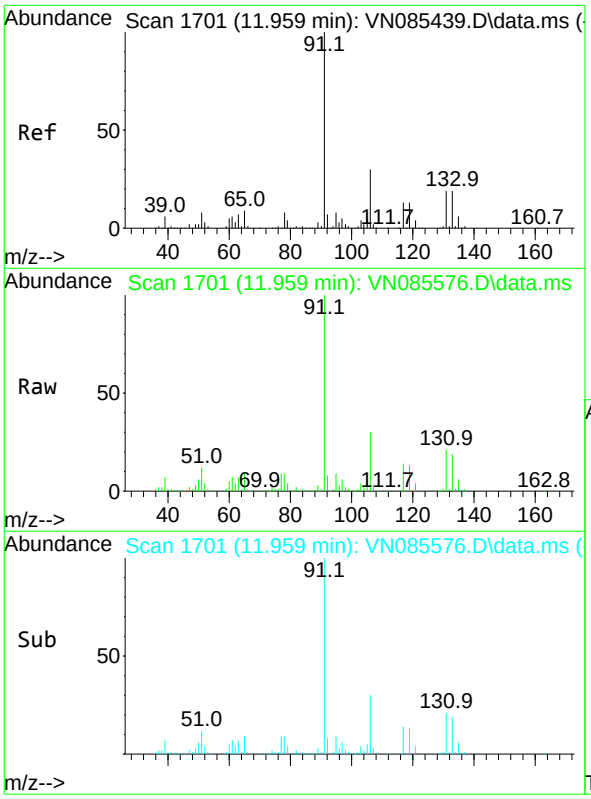
Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.3	37.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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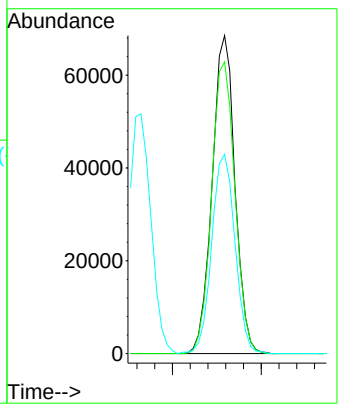
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

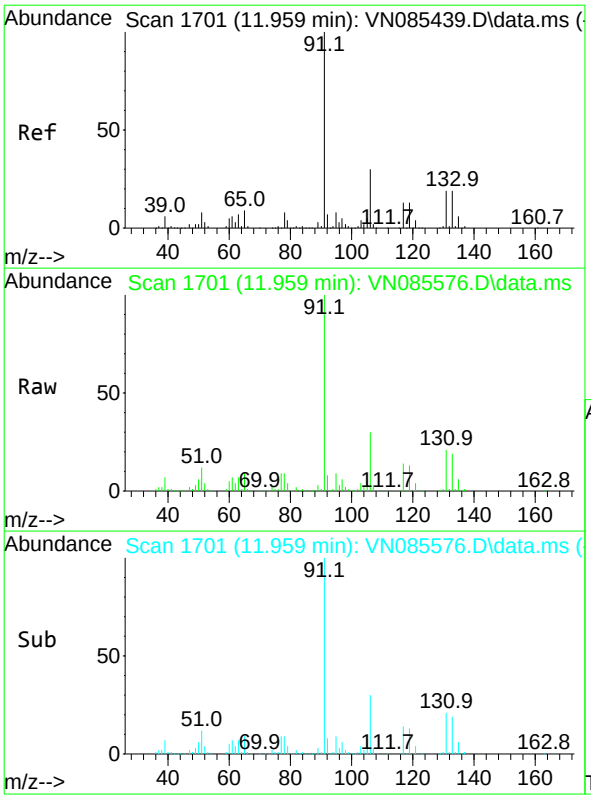


#66
1,1,1,2-Tetrachloroethane
Concen: 52.979 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion:131 Resp: 122150

Ion	Ratio	Lower	Upper
131	100		
133	94.0	47.4	142.3
119	64.1	33.1	99.5

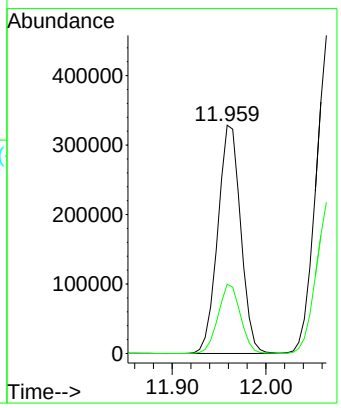




#67
Ethyl Benzene
Concen: 54.592 ug/l
RT: 11.959 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion: 91 Resp: 558580

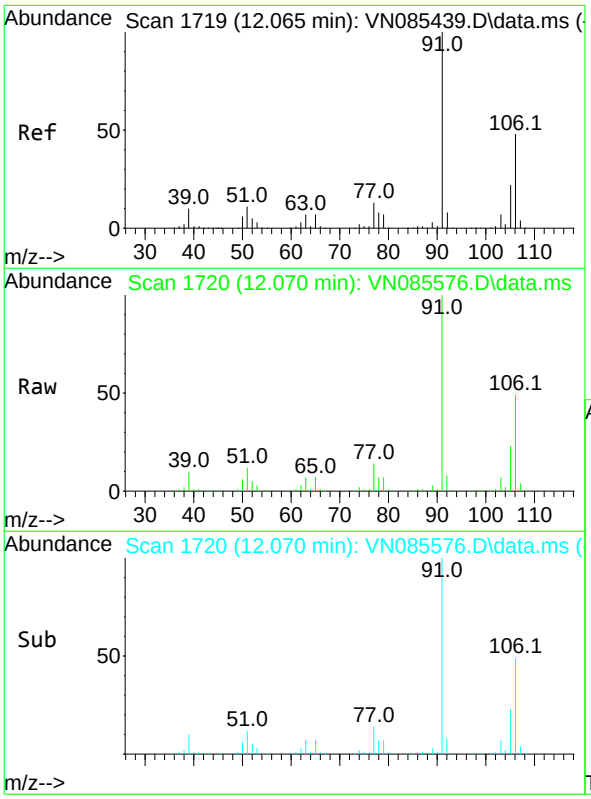
Ion	Ratio	Lower	Upper
91	100		
106	30.3	23.8	35.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

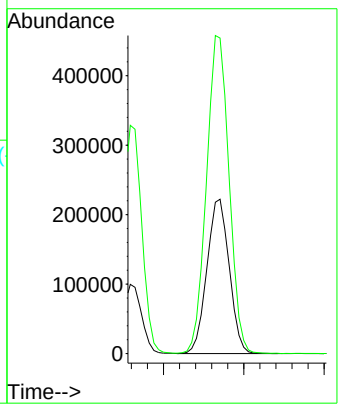
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

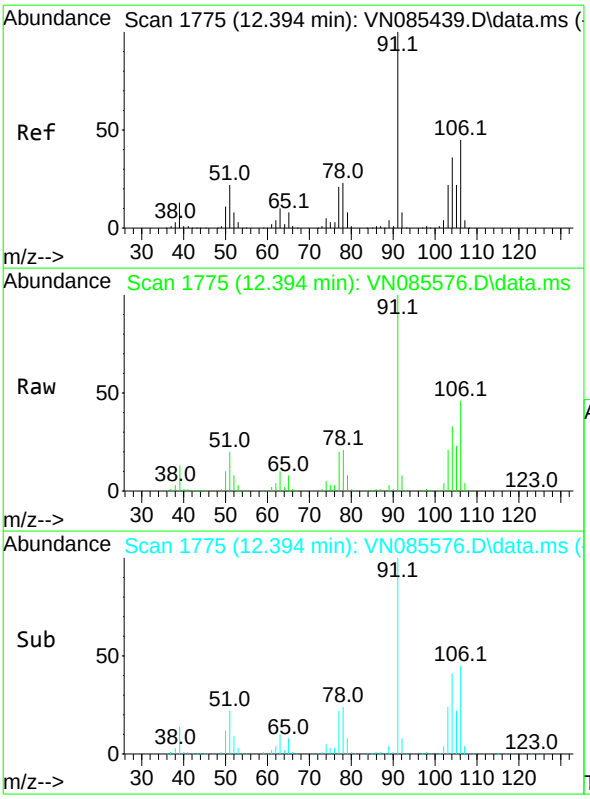


#68
m/p-Xylenes
Concen: 113.286 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. 0.006 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion:106 Resp: 428391

Ion	Ratio	Lower	Upper
106	100		
91	208.3	167.7	251.5





#69
o-Xylene
Concen: 56.041 ug/l
RT: 12.394 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

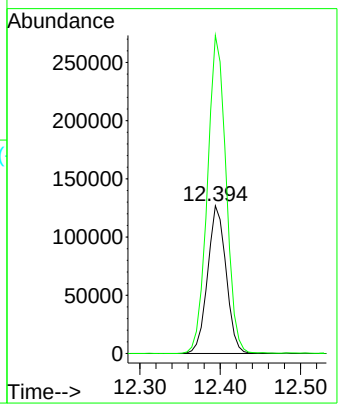
Tgt Ion:106 Resp: 202523

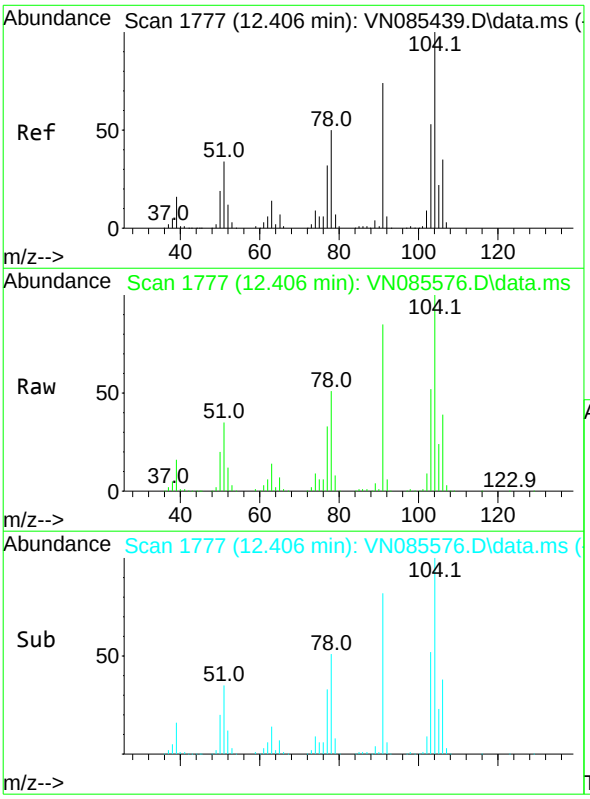
Ion	Ratio	Lower	Upper
106	100		
91	218.1	110.4	331.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

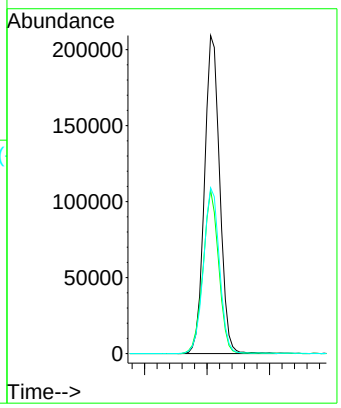


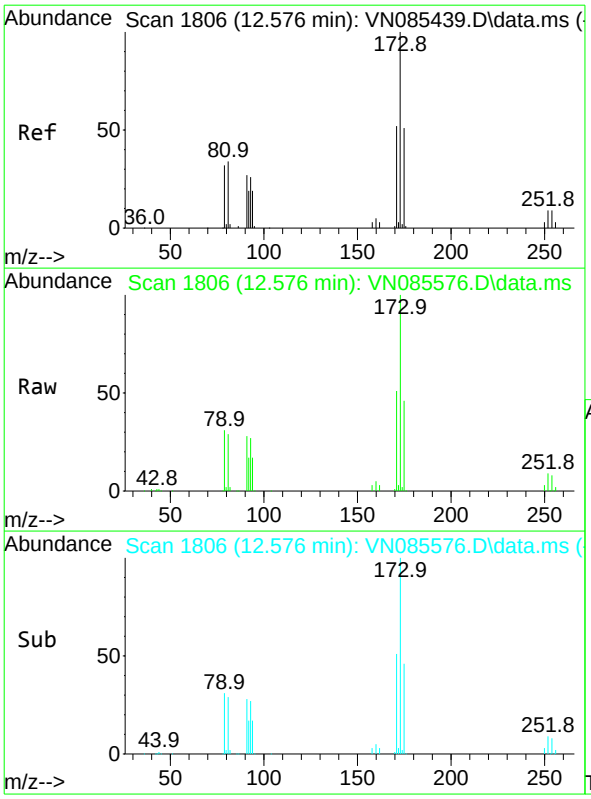


#70
Styrene
Concen: 59.347 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion:104 Resp: 354949

Ion	Ratio	Lower	Upper
104	100		
78	52.4	42.5	63.7
103	54.7	43.8	65.8





#71
Bromoform
Concen: 57.343 ug/l
RT: 12.576 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

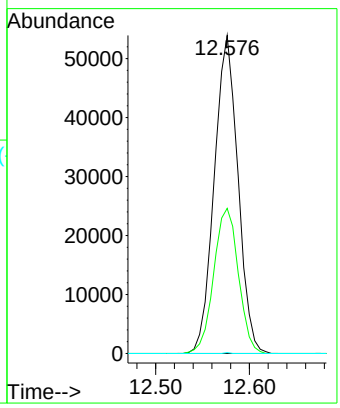
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

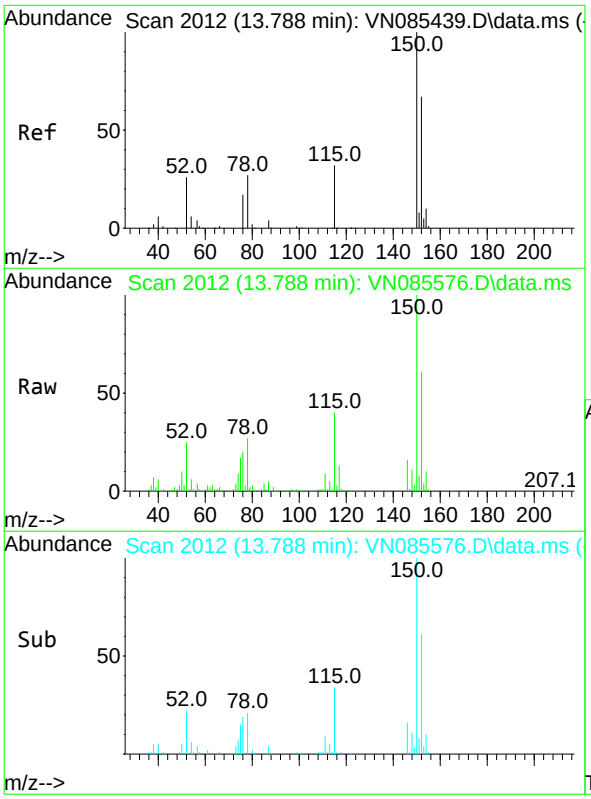
Tgt Ion:173 Resp: 94600

Ion	Ratio	Lower	Upper
173	100		
175	47.5	24.4	73.2
254	0.1	0.0	0.0#

Manual Integrations
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Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

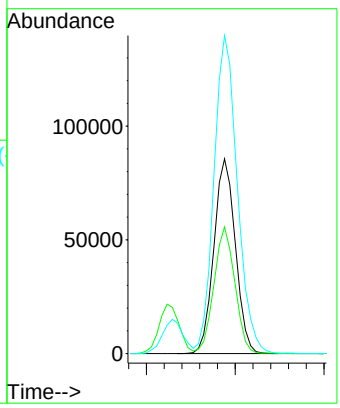


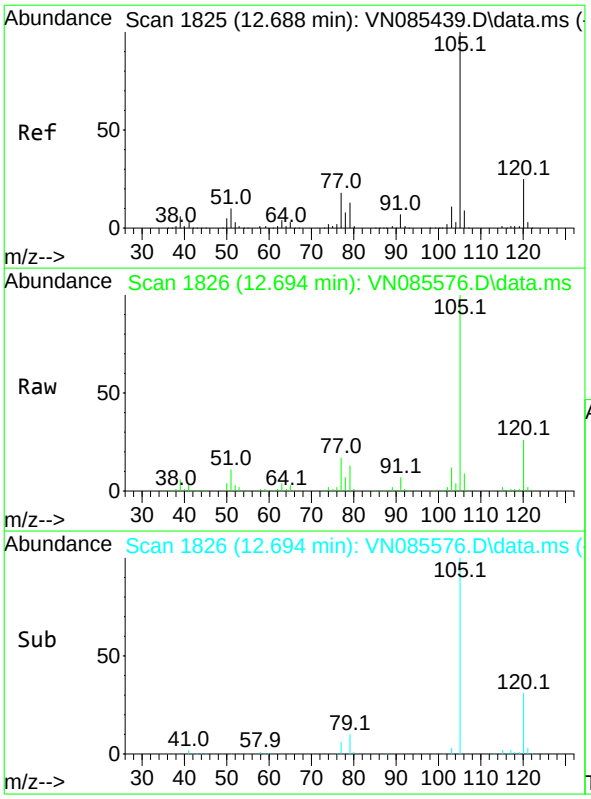


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion:152 Resp: 143955

Ion	Ratio	Lower	Upper
152	100		
115	63.4	31.1	93.3
150	177.8	0.0	343.6

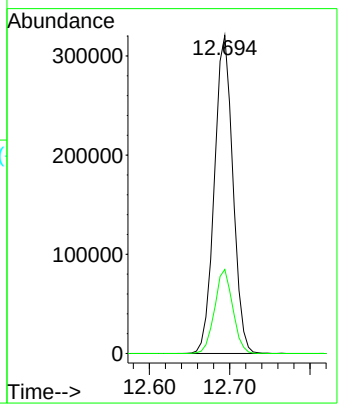




#73
Isopropylbenzene
Concen: 52.754 ug/l
RT: 12.694 min Scan# 18
Delta R.T. 0.006 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion:105 Resp: 512541

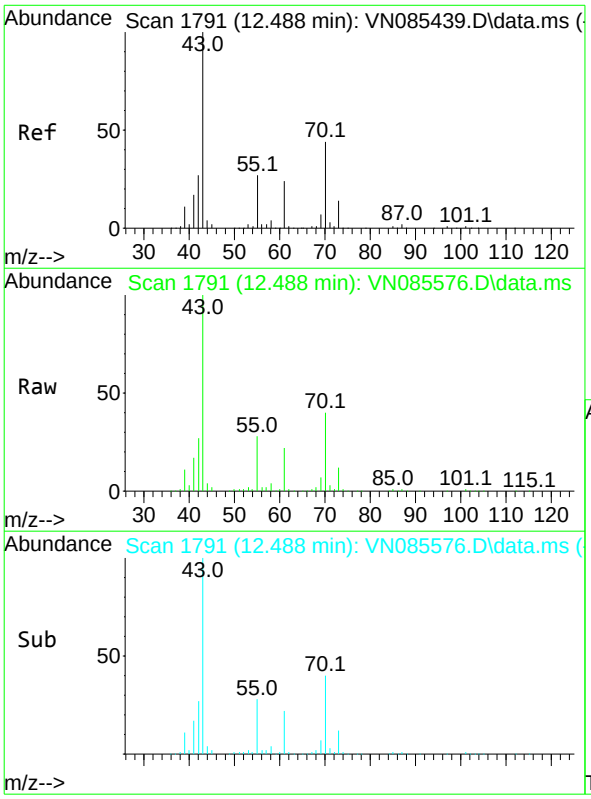
Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.8	38.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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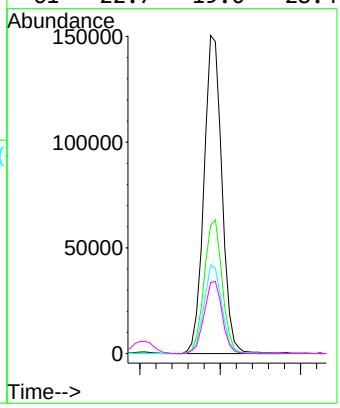
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

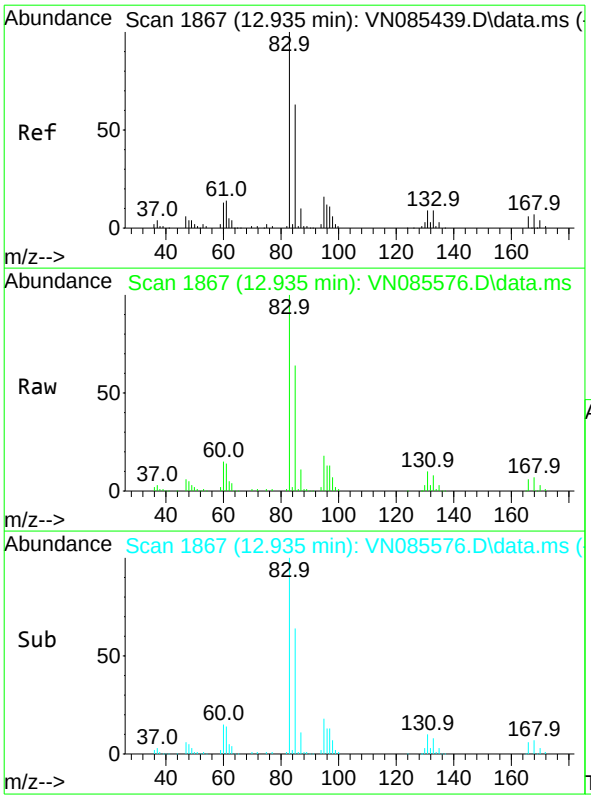


#74
N-amyl acetate
Concen: 53.567 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion: 43 Resp: 233929

Ion	Ratio	Lower	Upper
43	100		
70	42.0	34.0	51.0
55	27.9	21.4	32.2
61	22.7	19.0	28.4





#75
1,1,2,2-Tetrachloroethane
Concen: 49.890 ug/l
RT: 12.935 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

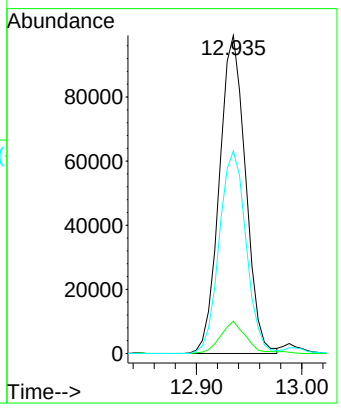
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

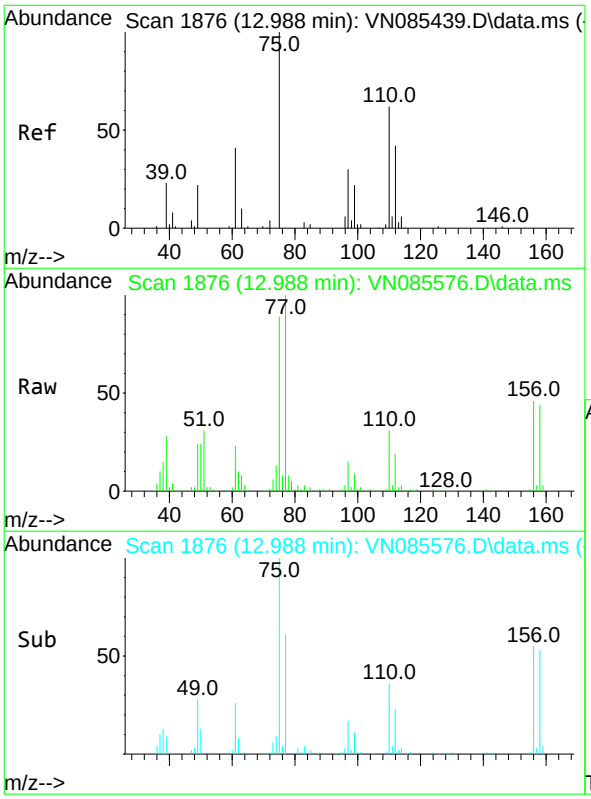
Tgt Ion: 83 Resp: 171223

Ion	Ratio	Lower	Upper
83	100		
131	10.1	4.8	14.4
85	65.1	32.2	96.6

Manual Integrations
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Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

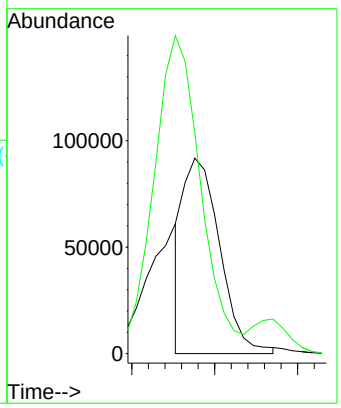


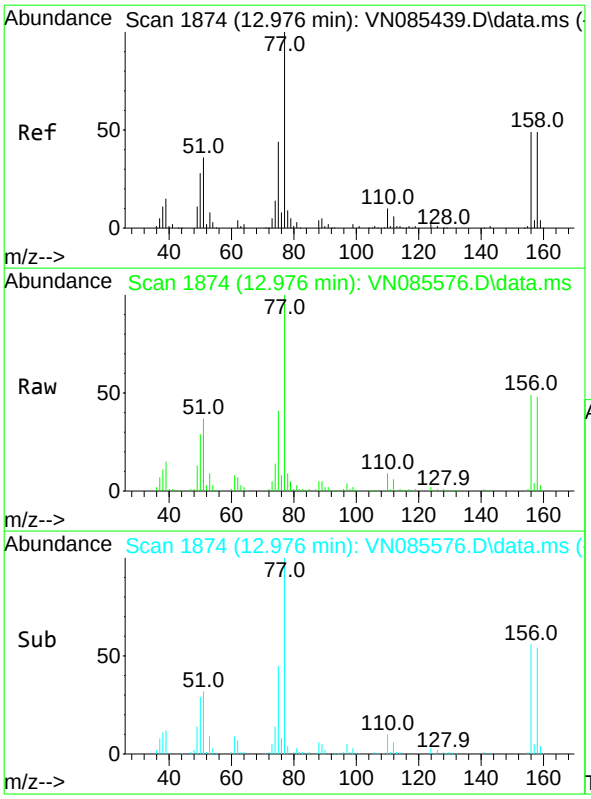


#76
1,2,3-Trichloropropane
Concen: 47.977 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion: 75 Resp: 140376

Ion	Ratio	Lower	Upper
75	100		
77	210.5	109.7	329.2

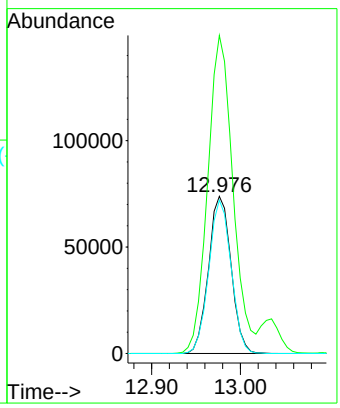




#77
Bromobenzene
Concen: 51.520 ug/l
RT: 12.976 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion:156 Resp: 130776

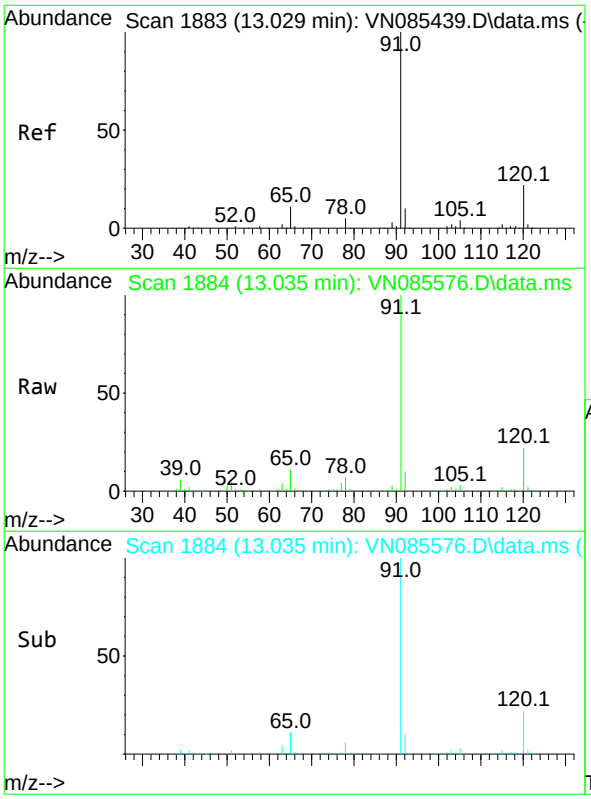
Ion	Ratio	Lower	Upper
156	100		
77	226.0	114.1	342.4
158	96.4	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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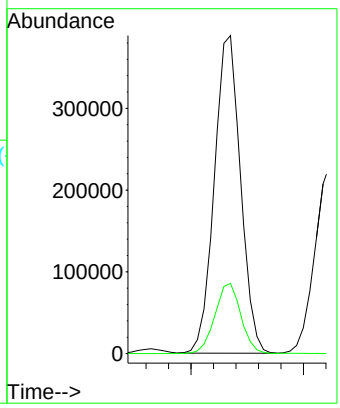
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

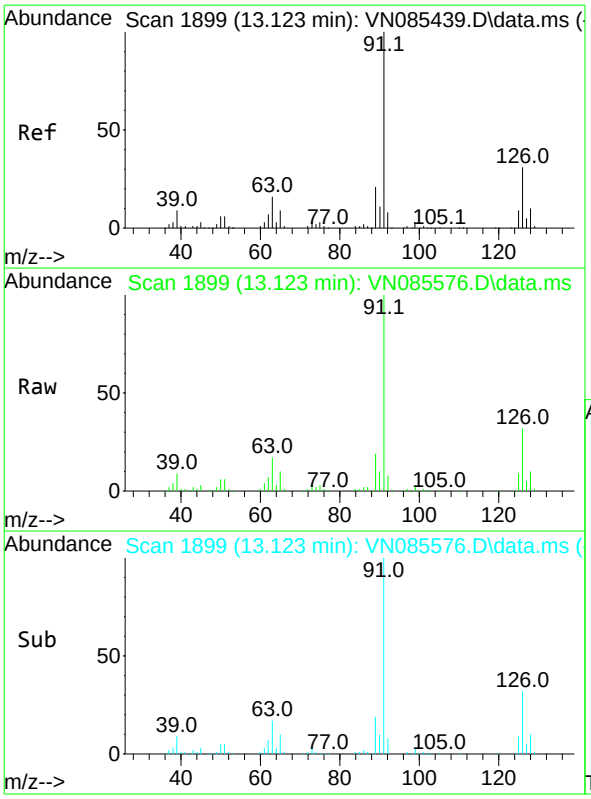


#78
n-propylbenzene
Concen: 54.718 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.006 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion: 91 Resp: 629351

Ion	Ratio	Lower	Upper
91	100		
120	21.9	10.9	32.6





#79
2-Chlorotoluene
Concen: 52.013 ug/l
RT: 13.123 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

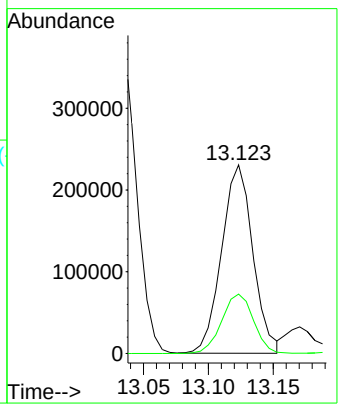
Tgt Ion: 91 Resp: 387181

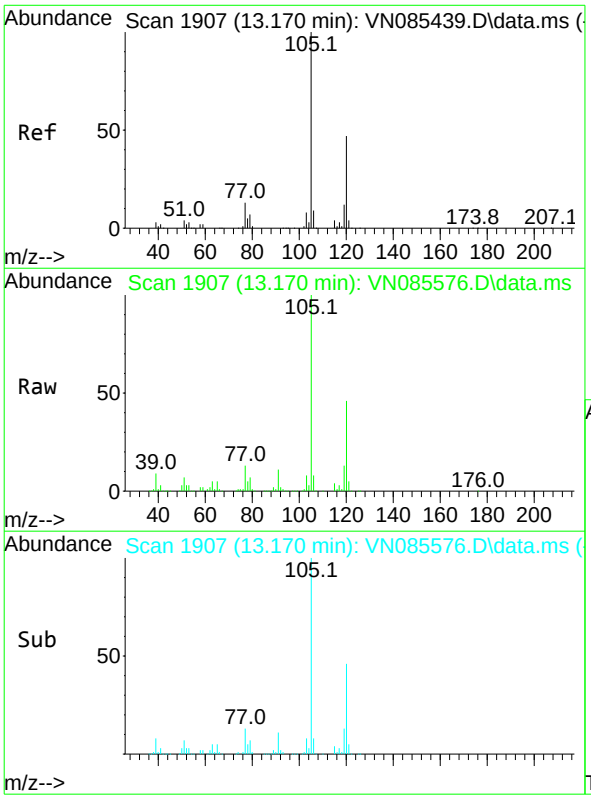
Ion	Ratio	Lower	Upper
91	100		
126	32.0	15.7	47.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

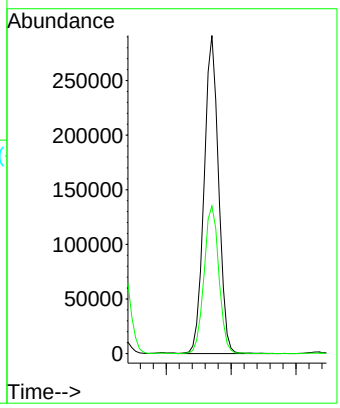


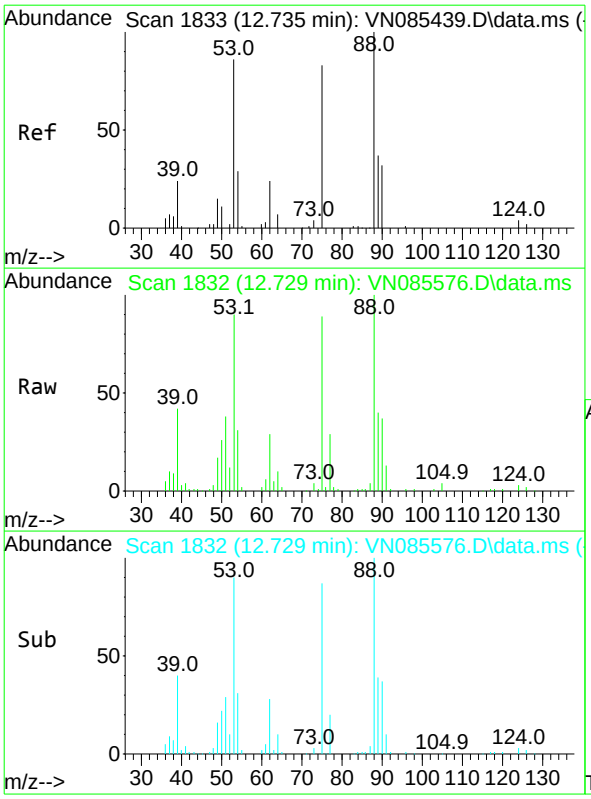


#80
1,3,5-Trimethylbenzene
Concen: 56.104 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion:105 Resp: 450252

Ion	Ratio	Lower	Upper
105	100		
120	47.6	23.9	71.7

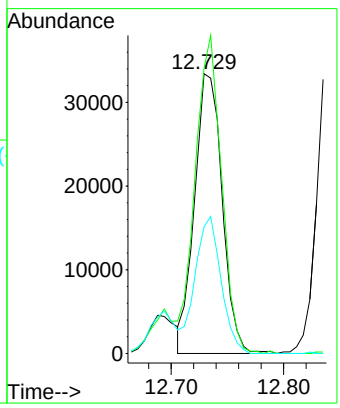




#81
trans-1,4-Dichloro-2-butene
Concen: 52.840 ug/l
RT: 12.729 min Scan# 18
Delta R.T. -0.006 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion: 75 Resp: 57144

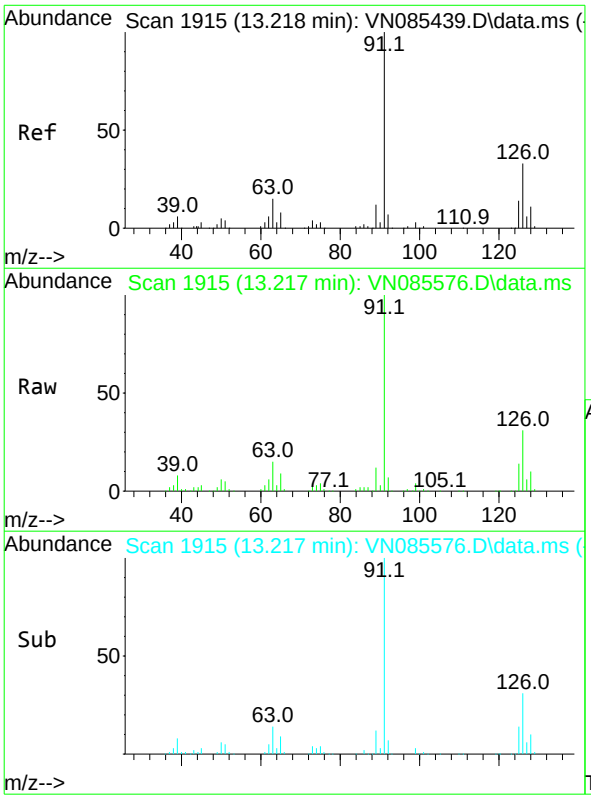
Ion	Ratio	Lower	Upper
75	100		
53	110.3	95.6	143.4
89	46.5	37.0	55.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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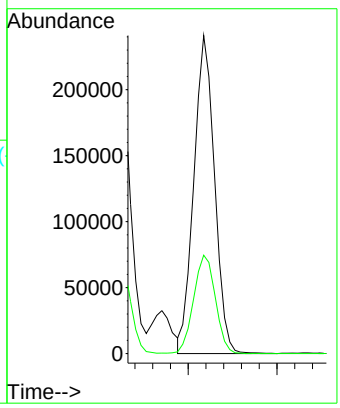
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

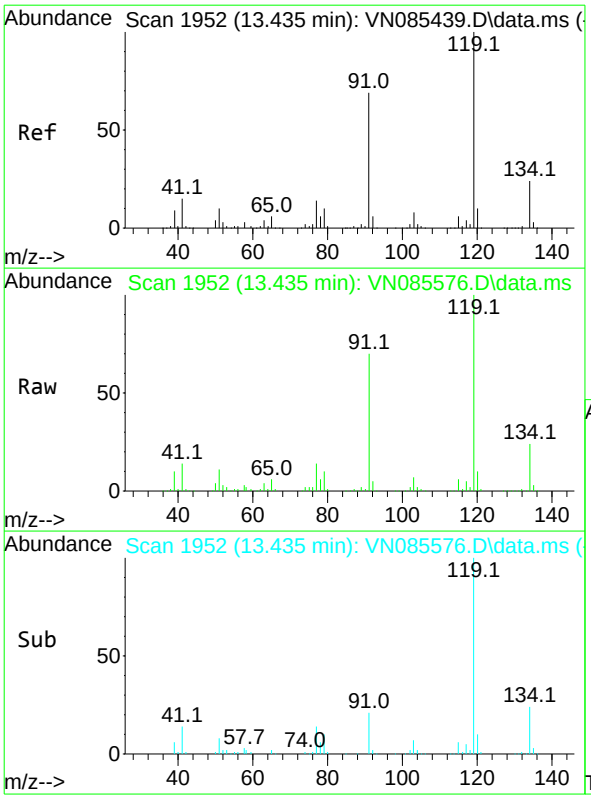


#82
4-Chlorotoluene
Concen: 52.696 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion: 91 Resp: 390572

Ion	Ratio	Lower	Upper
91	100		
126	32.5	15.9	47.7

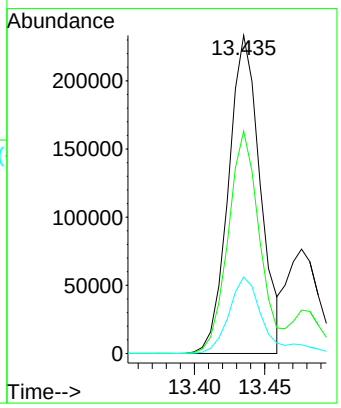




#83
tert-Butylbenzene
Concen: 54.306 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion:119 Resp: 365993

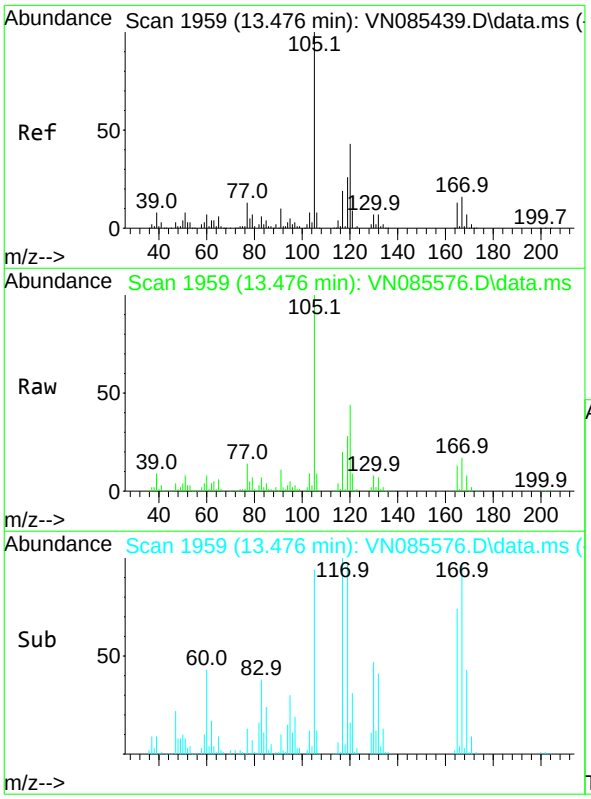
Ion	Ratio	Lower	Upper
119	100		
91	69.9	35.1	105.3
134	26.3	12.0	36.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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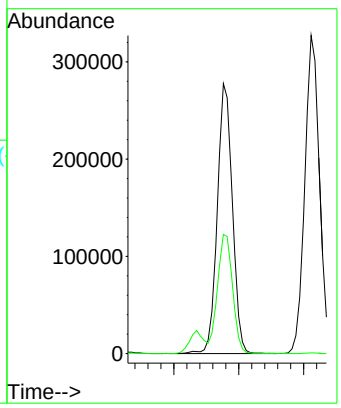
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

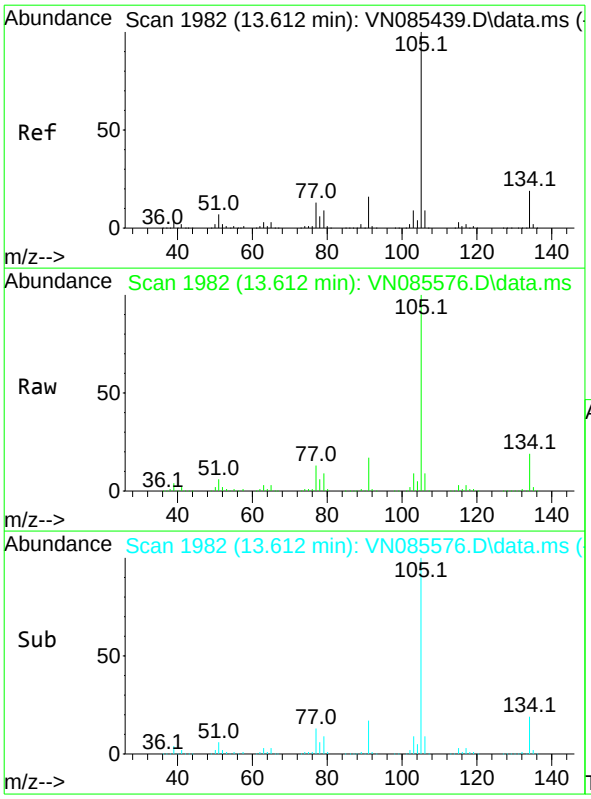


#84
1,2,4-Trimethylbenzene
Concen: 56.054 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion:105 Resp: 448357

Ion	Ratio	Lower	Upper
105	100		
120	44.0	21.6	65.0





#85
sec-Butylbenzene
Concen: 54.921 ug/l
RT: 13.612 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

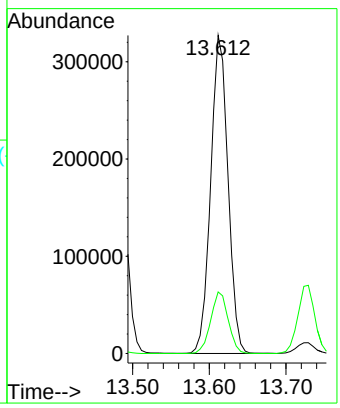
Tgt Ion:105 Resp: 512993

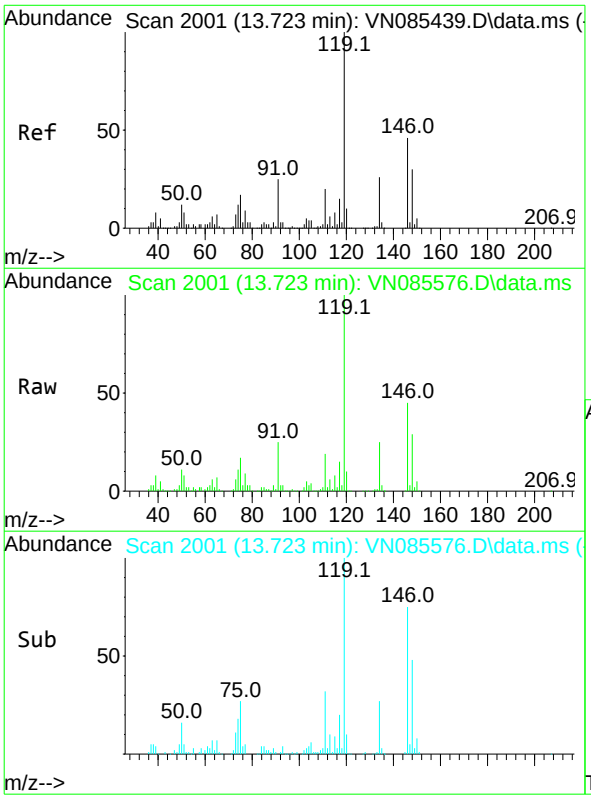
Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.7	28.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

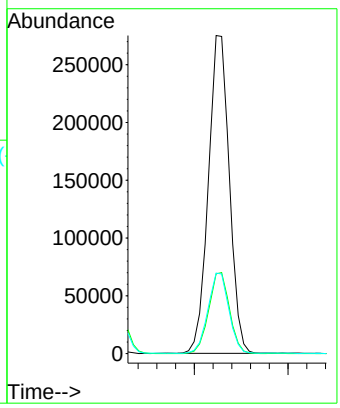


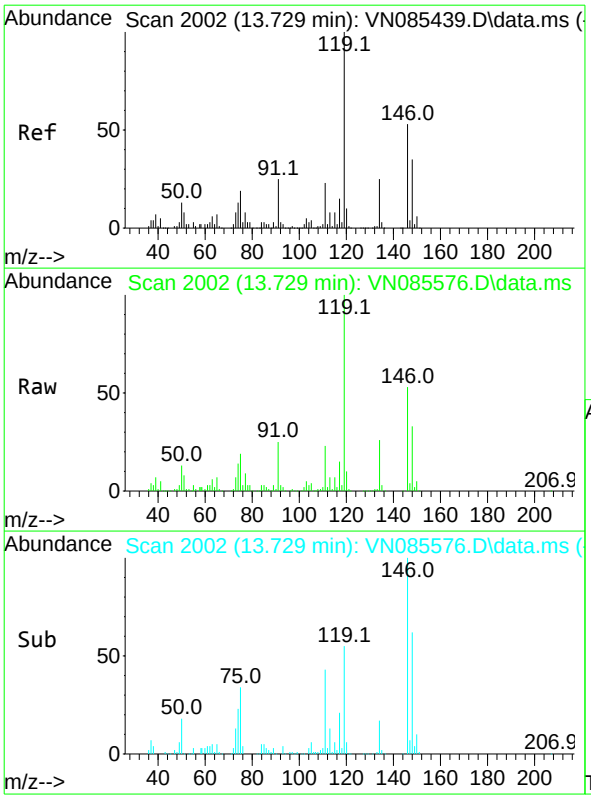


#86
p-Isopropyltoluene
Concen: 50.722 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion:119 Resp: 427384

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.7	38.0
91	25.1	12.7	38.1





#87
1,3-Dichlorobenzene
Concen: 51.878 ug/l
RT: 13.729 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

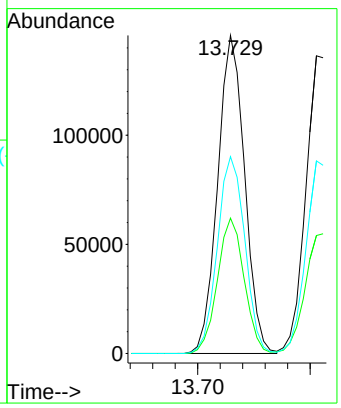
Tgt Ion:146 Resp: 242512

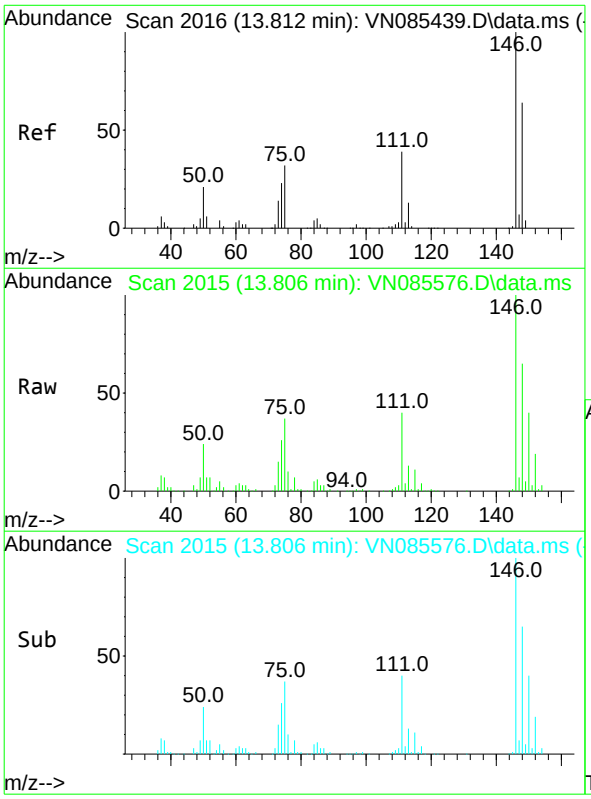
Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.4	64.3
148	63.0	32.3	96.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

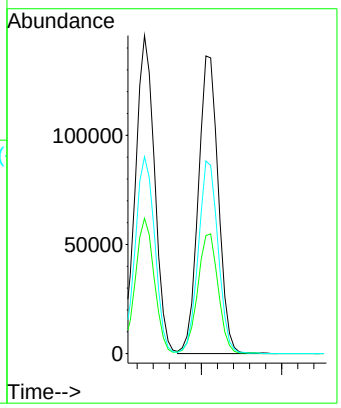


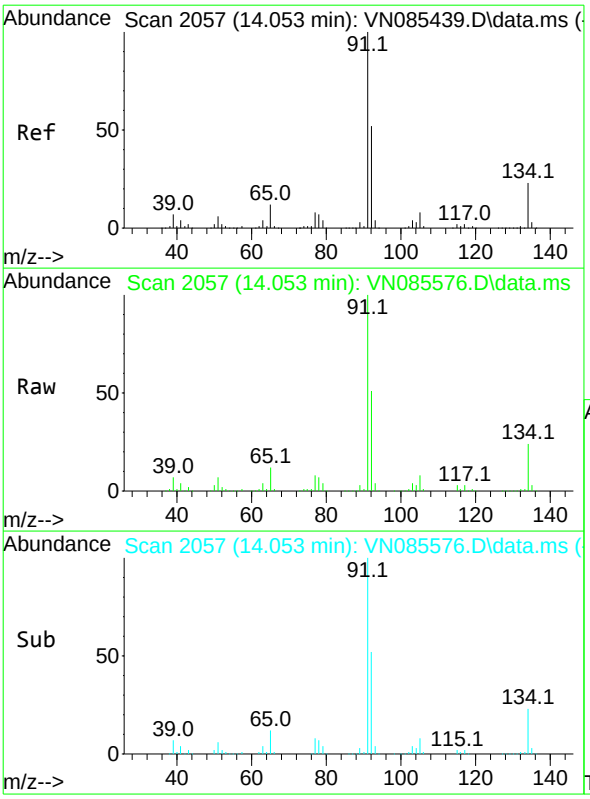


#88
1,4-Dichlorobenzene
Concen: 48.695 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. -0.006 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion:146 Resp: 235950

Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.3	63.7
148	63.9	32.4	97.0





#89
n-Butylbenzene
Concen: 52.416 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

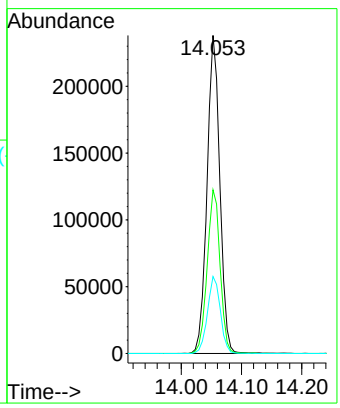
Tgt Ion: 91 Resp: 351238

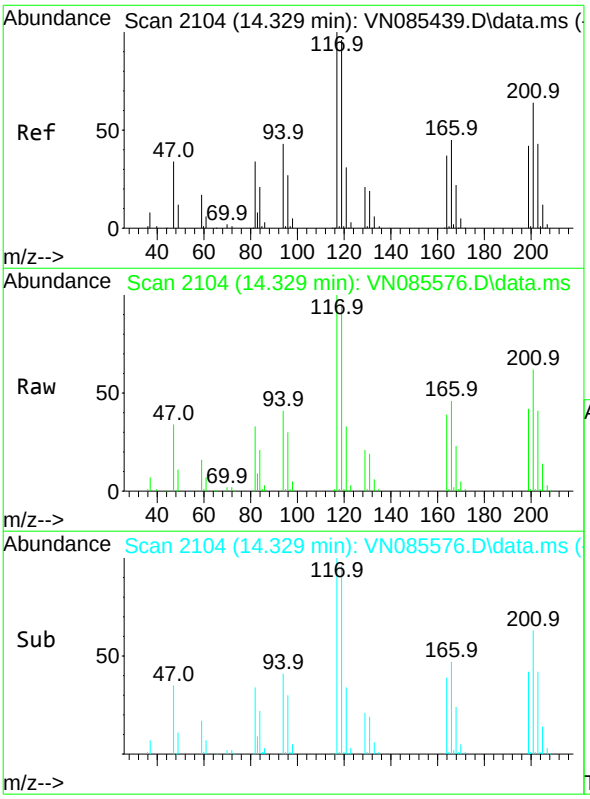
Ion	Ratio	Lower	Upper
91	100		
92	51.8	25.8	77.3
134	24.3	11.7	35.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

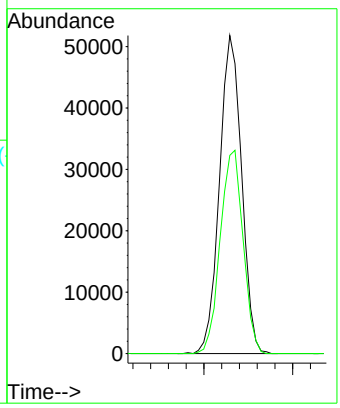


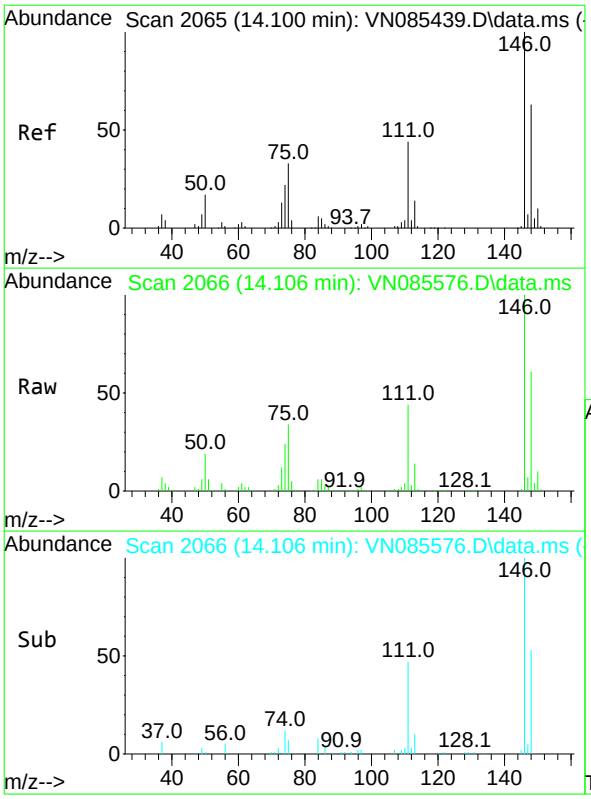


#90
Hexachloroethane
Concen: 50.438 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion:117 Resp: 89687

Ion	Ratio	Lower	Upper
117	100		
201	65.9	33.7	101.0

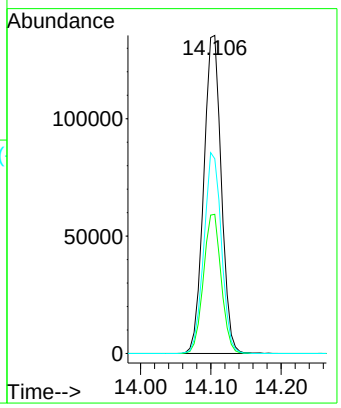




#91
1,2-Dichlorobenzene
Concen: 50.405 ug/l
RT: 14.106 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion:146 Resp: 235032

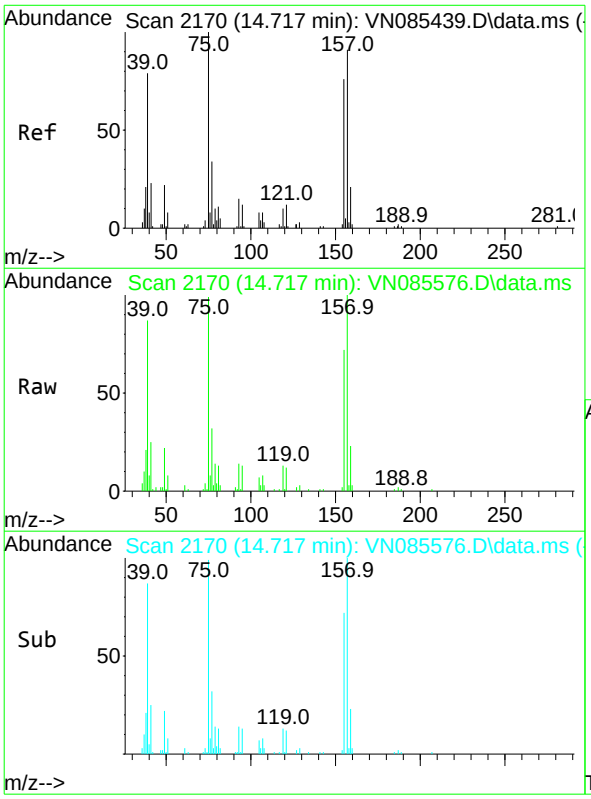
Ion	Ratio	Lower	Upper
146	100		
111	44.2	21.7	65.1
148	62.9	31.4	94.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

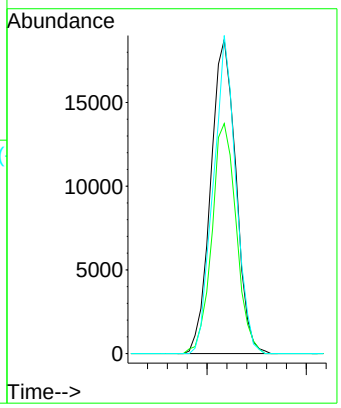
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

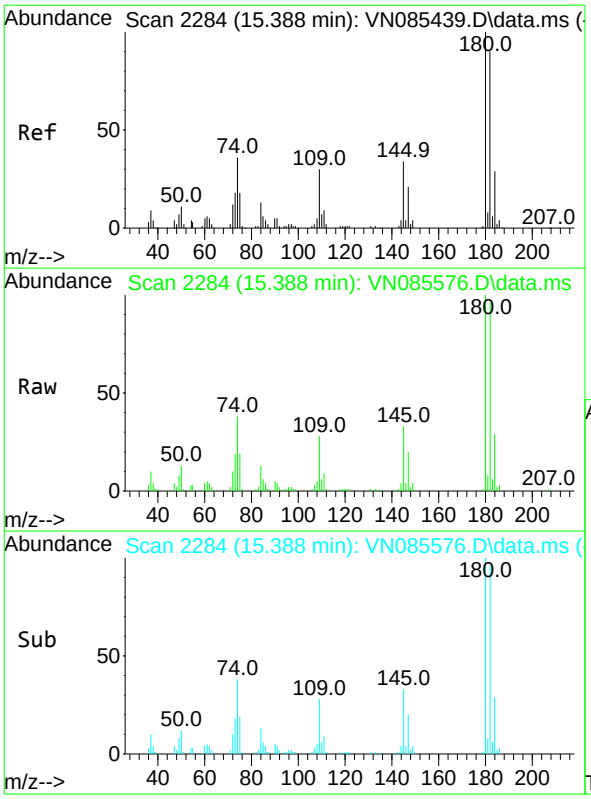


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.597 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion: 75 Resp: 32963

Ion	Ratio	Lower	Upper
75	100		
155	71.2	36.4	109.2
157	90.7	45.4	136.1





#93
1,2,4-Trichlorobenzene
Concen: 48.570 ug/l
RT: 15.388 min Scan# 22
Delta R.T. -0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

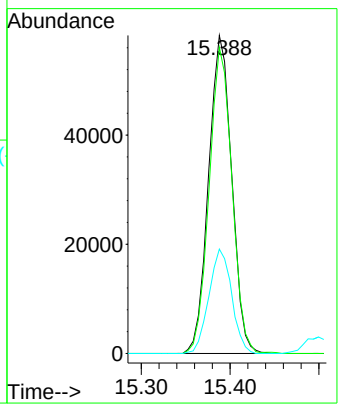
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

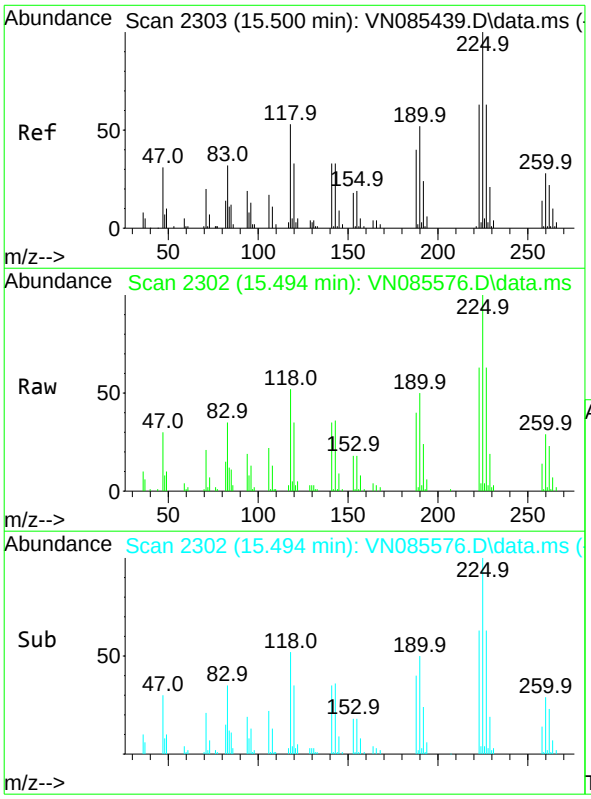
Tgt Ion:180 Resp: 105261

Ion	Ratio	Lower	Upper
180	100		
182	95.1	46.8	140.3
145	32.4	16.0	48.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

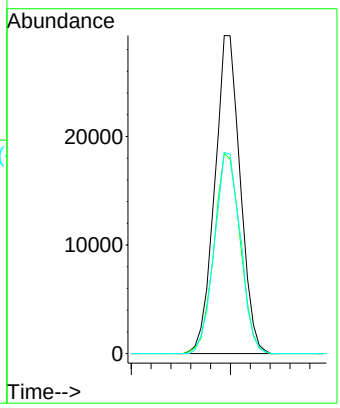


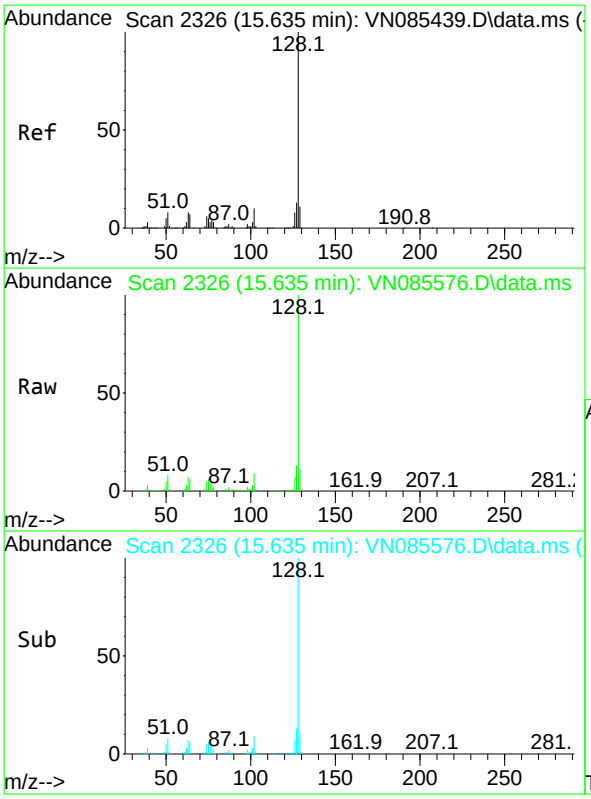


#94
Hexachlorobutadiene
Concen: 45.357 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion:225 Resp: 52187

Ion	Ratio	Lower	Upper
225	100		
223	64.8	30.7	92.1
227	64.7	30.9	92.5





#95
Naphthalene
Concen: 50.099 ug/l
RT: 15.635 min Scan# 23
Delta R.T. -0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

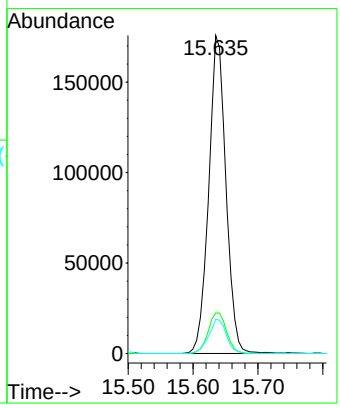
Tgt Ion:128 Resp: 323993

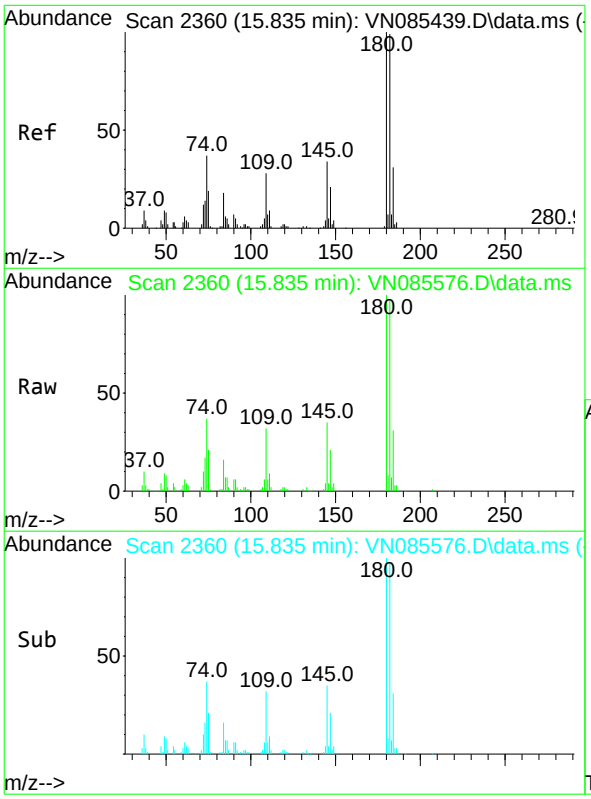
Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.6	16.0
129	11.0	8.8	13.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

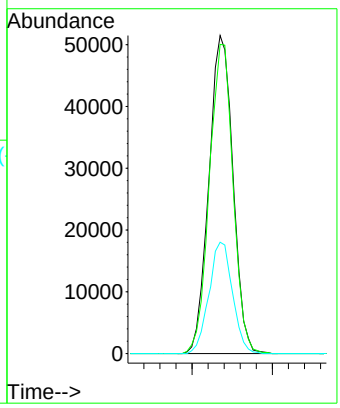




#96
1,2,3-Trichlorobenzene
Concen: 48.836 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN085576.D
Acq: 30 Jan 2025 13:08

Tgt Ion:180 Resp: 107090

Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.4	142.2
145	34.3	16.9	50.7



Sample Results: **VN085576.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013025\
Data File : VN085576.D
Acq On : 30 Jan 2025 13:08
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jan 31 02:33:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	92	0.00
2	T	Dichlorodifluoromethane	0.677	0.579	14.5	85	0.00
3	P	Chloromethane	0.733	0.622	15.1	84	0.00
4	C	Vinyl Chloride	0.737	0.645	12.5#	87	0.00
5	T	Bromomethane	0.445	0.393	11.7	87	0.00
6	T	Chloroethane	0.467	0.456	2.4	99	0.00
7	T	Trichlorofluoromethane	1.069	1.041	2.6	96	0.00
8	T	Diethyl Ether	0.369	0.342	7.3	88	0.01
9	T	1,1,2-Trichlorotrifluoroeth	0.602	0.603	-0.2	103	0.00
10	T	Methyl Iodide	0.690	0.698	-1.2	89	0.00
11	T	Tert butyl alcohol	0.092	0.111	-20.7	110	0.00
12	CM	1,1-Dichloroethene	0.537	0.511	4.8#	88	0.00
13	T	Acrolein	0.126	0.111	11.9	73	0.00
14	T	Allyl chloride	0.871	0.796	8.6	87	0.00
15	T	Acrylonitrile	0.294	0.325	-10.5	100	0.00
16	T	Acetone	0.261	0.275	-5.4	100	0.00
17	T	Carbon Disulfide	1.652	1.304	21.1	81	0.00
18	T	Methyl Acetate	0.793	0.912	-15.0	106	0.00
19	T	Methyl tert-butyl Ether	1.742	1.897	-8.9	93	0.00
20	T	Methylene Chloride	0.646	0.652	-0.9	95	0.00
21	T	trans-1,2-Dichloroethene	0.573	0.569	0.7	94	0.00
22	T	Diisopropyl ether	1.933	2.109	-9.1	95	0.00
23	T	Vinyl Acetate	1.353	1.486	-9.8	92	0.00
24	P	1,1-Dichloroethane	1.178	1.222	-3.7	96	0.00
25	T	2-Butanone	0.384	0.423	-10.2	100	0.00
26	T	2,2-Dichloropropane	0.953	1.039	-9.0	102	0.00
27	T	cis-1,2-Dichloroethene	0.675	0.706	-4.6	95	0.00
28	T	Bromochloromethane	0.548	0.504	8.0	86	0.00
29	T	Tetrahydrofuran	0.243	0.284	-16.9	101	0.00
30	C	Chloroform	1.218	1.290	-5.9#	101	0.00
31	T	Cyclohexane	1.024	0.904	11.7	95	0.00
32	T	1,1,1-Trichloroethane	1.068	1.127	-5.5	102	0.00
33	S	1,2-Dichloroethane-d4	0.807	0.851	-5.5	94	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	92	0.00
35	S	Dibromofluoromethane	0.347	0.370	-6.6	96	0.00
36	T	1,1-Dichloropropene	0.487	0.480	1.4	96	0.00
37	T	Ethyl Acetate	0.491	0.514	-4.7	97	0.00
38	T	Carbon Tetrachloride	0.557	0.579	-3.9	101	0.00
39	T	Methylcyclohexane	0.457	0.442	3.3	88	0.00
40	TM	Benzene	1.463	1.505	-2.9	96	0.00
41	T	Methacrylonitrile	0.256	0.279	-9.0	95	0.00
42	TM	1,2-Dichloroethane	0.551	0.581	-5.4	98	0.00
43	T	Isopropyl Acetate	0.787	0.865	-9.9	98	0.00
44	TM	Trichloroethene	0.341	0.329	3.5	94	0.00
45	C	1,2-Dichloropropane	0.374	0.399	-6.7#	99	0.00
46	T	Dibromomethane	0.270	0.286	-5.9	99	0.00
47	T	Bromodichloromethane	0.549	0.609	-10.9	101	0.00
48	T	Methyl methacrylate	0.354	0.407	-15.0	96	0.00

Sample Results: **VN085576.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013025\
Data File : VN085576.D
Acq On : 30 Jan 2025 13:08
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jan 31 02:33:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.006	0.007	-16.7	96	0.00
50	S	Toluene-d8	1.232	1.346	-9.3	98	0.00
51	T	4-Methyl-2-Pentanone	0.457	0.549	-20.1	103	0.00
52	CM	Toluene	0.848	0.945	-11.4#	100	0.00
53	T	t-1,3-Dichloropropene	0.519	0.570	-9.8	96	0.00
54	T	cis-1,3-Dichloropropene	0.554	0.607	-9.6	95	0.00
55	T	1,1,2-Trichloroethane	0.335	0.376	-12.2	102	0.00
56	T	Ethyl methacrylate	0.469	0.566	-20.7	96	0.00
57	T	1,3-Dichloropropane	0.583	0.645	-10.6	99	0.00
58	T	2-Chloroethyl Vinyl ether	0.213	0.242	-13.6	93	0.00
59	T	2-Hexanone	0.321	0.400	-24.6	103	0.00
60	T	Dibromochloromethane	0.405	0.455	-12.3	101	0.00
61	T	1,2-Dibromoethane	0.334	0.362	-8.4	100	0.00
62	S	4-Bromofluorobenzene	0.422	0.477	-13.0	98	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	96	0.00
64	T	Tetrachloroethene	0.341	0.352	-3.2	105	0.00
65	PM	Chlorobenzene	1.095	1.097	-0.2	98	0.00
66	T	1,1,1,2-Tetrachloroethane	0.402	0.426	-6.0	105	0.00
67	C	Ethyl Benzene	1.784	1.948	-9.2#	101	0.00
68	T	m/p-Xylenes	0.659	0.747	-13.4	102	0.00
69	T	o-Xylene	0.630	0.706	-12.1	100	0.00
70	T	Styrene	1.043	1.238	-18.7	102	0.00
71	P	Bromoform	0.288	0.330	-14.6	102	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	0.00
73	T	Isopropylbenzene	3.375	3.560	-5.5	101	0.00
74	T	N-amyl acetate	1.517	1.625	-7.1	98	0.00
75	P	1,1,2,2-Tetrachloroethane	1.192	1.189	0.3	102	0.00
76	T	1,2,3-Trichloropropane	1.016	0.975	4.0	107	0.00
77	T	Bromobenzene	0.882	0.908	-2.9	104	0.00
78	T	n-propylbenzene	3.995	4.372	-9.4	103	0.00
79	T	2-Chlorotoluene	2.586	2.690	-4.0	102	0.00
80	T	1,3,5-Trimethylbenzene	2.787	3.128	-12.2	104	0.00
81	T	trans-1,4-Dichloro-2-butene	0.376	0.397	-5.6	100	0.00
82	T	4-Chlorotoluene	2.574	2.713	-5.4	103	0.00
83	T	tert-Butylbenzene	2.341	2.542	-8.6	102	0.00
84	T	1,2,4-Trimethylbenzene	2.778	3.115	-12.1	101	0.00
85	T	sec-Butylbenzene	3.244	3.564	-9.9	102	0.00
86	T	p-Isopropyltoluene	2.631	2.969	-12.8	102	0.00
87	T	1,3-Dichlorobenzene	1.624	1.685	-3.8	106	0.00
88	T	1,4-Dichlorobenzene	1.683	1.639	2.6	103	0.00
89	T	n-Butylbenzene	2.327	2.440	-4.9	96	0.00
90	T	Hexachloroethane	0.618	0.623	-0.8	106	0.00
91	T	1,2-Dichlorobenzene	1.620	1.633	-0.8	103	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.218	0.229	-5.0	101	0.00
93	T	1,2,4-Trichlorobenzene	0.753	0.731	2.9	92	0.00
94	T	Hexachlorobutadiene	0.400	0.363	9.3	97	0.00
95	T	Naphthalene	2.246	2.251	-0.2	89	0.00

Sample Results: **VN085576.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013025\
Data File : VN085576.D
Acq On : 30 Jan 2025 13:08
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jan 31 02:33:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.762	0.744	2.4	93	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Evaluate Continuing Calibration Report

Sample Results: **VN085576.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013025\
Data File : VN085576.D
Acq On : 30 Jan 2025 13:08
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jan 31 02:33:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	92	0.00
2	T	Dichlorodifluoromethane	50.000	42.770	14.5	85	0.00
3	P	Chloromethane	50.000	42.455	15.1	84	0.00
4	C	Vinyl Chloride	50.000	43.806	12.4#	87	0.00
5	T	Bromomethane	50.000	44.121	11.8	87	0.00
6	T	Chloroethane	50.000	48.788	2.4	99	0.00
7	T	Trichlorofluoromethane	50.000	48.700	2.6	96	0.00
8	T	Diethyl Ether	50.000	46.293	7.4	88	0.01
9	T	1,1,2-Trichlorotrifluoroeth	50.000	50.090	-0.2	103	0.00
10	T	Methyl Iodide	50.000	50.588	-1.2	89	0.00
11	T	Tert butyl alcohol	250.000	300.411	-20.2	110	0.00
12	CM	1,1-Dichloroethene	50.000	47.611	4.8#	88	0.00
13	T	Acrolein	250.000	219.855	12.1	73	0.00
14	T	Allyl chloride	50.000	45.717	8.6	87	0.00
15	T	Acrylonitrile	250.000	276.361	-10.5	100	0.00
16	T	Acetone	250.000	263.302	-5.3	100	0.00
17	T	Carbon Disulfide	50.000	39.463	21.1	81	0.00
18	T	Methyl Acetate	50.000	57.490	-15.0	106	0.00
19	T	Methyl tert-butyl Ether	50.000	54.443	-8.9	93	0.00
20	T	Methylene Chloride	50.000	50.478	-1.0	95	0.00
21	T	trans-1,2-Dichloroethene	50.000	49.604	0.8	94	0.00
22	T	Diisopropyl ether	50.000	54.569	-9.1	95	0.00
23	T	Vinyl Acetate	250.000	274.572	-9.8	92	0.00
24	P	1,1-Dichloroethane	50.000	51.845	-3.7	96	0.00
25	T	2-Butanone	250.000	275.487	-10.2	100	0.00
26	T	2,2-Dichloropropane	50.000	54.526	-9.1	102	0.00
27	T	cis-1,2-Dichloroethene	50.000	52.236	-4.5	95	0.00
28	T	Bromochloromethane	50.000	45.943	8.1	86	0.00
29	T	Tetrahydrofuran	250.000	292.028	-16.8	101	0.00
30	C	Chloroform	50.000	52.951	-5.9#	101	0.00
31	T	Cyclohexane	50.000	44.147	11.7	95	0.00
32	T	1,1,1-Trichloroethane	50.000	52.734	-5.5	102	0.00
33	S	1,2-Dichloroethane-d4	50.000	52.739	-5.5	94	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	92	0.00
35	S	Dibromofluoromethane	50.000	53.378	-6.8	96	0.00
36	T	1,1-Dichloropropene	50.000	49.328	1.3	96	0.00
37	T	Ethyl Acetate	50.000	52.277	-4.6	97	0.00
38	T	Carbon Tetrachloride	50.000	51.942	-3.9	101	0.00
39	T	Methylcyclohexane	50.000	48.362	3.3	88	0.00
40	TM	Benzene	50.000	51.439	-2.9	96	0.00
41	T	Methacrylonitrile	50.000	54.494	-9.0	95	0.00
42	TM	1,2-Dichloroethane	50.000	52.773	-5.5	98	0.00
43	T	Isopropyl Acetate	50.000	54.946	-9.9	98	0.00
44	TM	Trichloroethene	50.000	48.262	3.5	94	0.00
45	C	1,2-Dichloropropane	50.000	53.456	-6.9#	99	0.00
46	T	Dibromomethane	50.000	53.034	-6.1	99	0.00
47	T	Bromodichloromethane	50.000	55.441	-10.9	101	0.00
48	T	Methyl methacrylate	50.000	57.462	-14.9	96	0.00

Sample Results: **VN085576.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013025\
Data File : VN085576.D
Acq On : 30 Jan 2025 13:08
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jan 31 02:33:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1101.481	-10.1	96	0.00
50	S	Toluene-d8	50.000	54.623	-9.2	98	0.00
51	T	4-Methyl-2-Pentanone	250.000	300.635	-20.3	103	0.00
52	CM	Toluene	50.000	55.777	-11.6#	100	0.00
53	T	t-1,3-Dichloropropene	50.000	54.950	-9.9	96	0.00
54	T	cis-1,3-Dichloropropene	50.000	54.703	-9.4	95	0.00
55	T	1,1,2-Trichloroethane	50.000	56.098	-12.2	102	0.00
56	T	Ethyl methacrylate	50.000	50.059	-0.1	96	0.00
57	T	1,3-Dichloropropane	50.000	55.253	-10.5	99	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	284.749	-13.9	93	0.00
59	T	2-Hexanone	250.000	310.960	-24.4	103	0.00
60	T	Dibromochloromethane	50.000	56.166	-12.3	101	0.00
61	T	1,2-Dibromoethane	50.000	54.137	-8.3	100	0.00
62	S	4-Bromofluorobenzene	50.000	56.593	-13.2	98	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	96	0.00
64	T	Tetrachloroethene	50.000	51.614	-3.2	105	0.00
65	PM	Chlorobenzene	50.000	50.094	-0.2	98	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.979	-6.0	105	0.00
67	C	Ethyl Benzene	50.000	54.592	-9.2#	101	0.00
68	T	m/p-Xylenes	100.000	113.286	-13.3	102	0.00
69	T	o-Xylene	50.000	56.041	-12.1	100	0.00
70	T	Styrene	50.000	59.347	-18.7	102	0.00
71	P	Bromoform	50.000	57.343	-14.7	102	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	98	0.00
73	T	Isopropylbenzene	50.000	52.754	-5.5	101	0.00
74	T	N-amyl acetate	50.000	53.567	-7.1	98	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.890	0.2	102	0.00
76	T	1,2,3-Trichloropropane	50.000	47.977	4.0	107	0.00
77	T	Bromobenzene	50.000	51.520	-3.0	104	0.00
78	T	n-propylbenzene	50.000	54.718	-9.4	103	0.00
79	T	2-Chlorotoluene	50.000	52.013	-4.0	102	0.00
80	T	1,3,5-Trimethylbenzene	50.000	56.104	-12.2	104	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	52.840	-5.7	100	0.00
82	T	4-Chlorotoluene	50.000	52.696	-5.4	103	0.00
83	T	tert-Butylbenzene	50.000	54.306	-8.6	102	0.00
84	T	1,2,4-Trimethylbenzene	50.000	56.054	-12.1	101	0.00
85	T	sec-Butylbenzene	50.000	54.921	-9.8	102	0.00
86	T	p-Isopropyltoluene	50.000	50.722	-1.4	102	0.00
87	T	1,3-Dichlorobenzene	50.000	51.878	-3.8	106	0.00
88	T	1,4-Dichlorobenzene	50.000	48.695	2.6	103	0.00
89	T	n-Butylbenzene	50.000	52.416	-4.8	96	0.00
90	T	Hexachloroethane	50.000	50.438	-0.9	106	0.00
91	T	1,2-Dichlorobenzene	50.000	50.405	-0.8	103	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	52.597	-5.2	101	0.00
93	T	1,2,4-Trichlorobenzene	50.000	48.570	2.9	92	0.00
94	T	Hexachlorobutadiene	50.000	45.357	9.3	97	0.00
95	T	Naphthalene	50.000	50.099	-0.2	89	0.00

Sample Results: **VN085576.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013025\
Data File : VN085576.D
Acq On : 30 Jan 2025 13:08
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jan 31 02:33:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	48.836	2.3	93	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VN085589.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: WEST04

Lab Code: CHEM Case No.: Q1211 SAS No.: Q1211 SDG No.: Q1211

Instrument ID: MSVOA_N Calibration Date/Time: 01/30/2025 19:06

Lab File ID: VN085589.D Init. Calib. Date(s): 01/14/2025 01/14/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 14:56 17:19

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.677	0.532		-21.42	50
Chloromethane	0.733	0.580	0.1	-20.87	50
Vinyl Chloride	0.737	0.632		-14.25	50
Bromomethane	0.445	0.371		-16.63	50
Chloroethane	0.467	0.427		-8.56	50
Trichlorofluoromethane	1.069	0.958		-10.38	50
1,1,2-Trichlorotrifluoroethane	0.602	0.546		-9.3	50
1,1-Dichloroethene	0.537	0.486		-9.5	50
Acetone	0.261	0.266		1.92	50
Carbon Disulfide	1.652	1.171		-29.12	50
Methyl tert-butyl Ether	1.742	1.926		10.56	50
Methyl Acetate	0.793	0.914		15.26	50
Methylene Chloride	0.646	0.606		-6.19	50
trans-1,2-Dichloroethene	0.573	0.514		-10.3	50
1,1-Dichloroethane	1.178	1.152	0.1	-2.21	50
Cyclohexane	1.024	0.833		-18.65	50
2-Butanone	0.384	0.424		10.42	50
Carbon Tetrachloride	0.557	0.520		-6.64	50
cis-1,2-Dichloroethene	0.675	0.664		-1.63	50
Bromochloromethane	0.548	0.492		-10.22	50
Chloroform	1.218	1.182		-2.96	50
1,1,1-Trichloroethane	1.068	1.032		-3.37	50
Methylcyclohexane	0.457	0.425		-7	50
Benzene	1.463	1.396		-4.58	50
1,2-Dichloroethane	0.551	0.537		-2.54	50
Trichloroethene	0.341	0.313		-8.21	50
1,2-Dichloropropane	0.374	0.371		-0.8	50
Bromodichloromethane	0.549	0.568		3.46	50
4-Methyl-2-Pentanone	0.457	0.533		16.63	50
Toluene	0.848	0.874		3.07	50
t-1,3-Dichloropropene	0.519	0.553		6.55	50
cis-1,3-Dichloropropene	0.554	0.582		5.05	50
1,1,2-Trichloroethane	0.335	0.345		2.98	50
2-Hexanone	0.321	0.387		20.56	50
Dibromochloromethane	0.405	0.425		4.94	50
1,2-Dibromoethane	0.334	0.341		2.1	50
Tetrachloroethene	0.341	0.315		-7.63	50
Chlorobenzene	1.095	1.076	0.3	-1.74	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: WEST04

Lab Code: CHEM Case No.: Q1211 SAS No.: Q1211 SDG No.: Q1211

Instrument ID: MSVOA_N Calibration Date/Time: 01/30/2025 19:06

Lab File ID: VN085589.D Init. Calib. Date(s): 01/14/2025 01/14/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 14:56 17:19

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.784	1.863		4.43	50
m/p-Xylenes	0.659	0.700		6.22	50
o-Xylene	0.630	0.679		7.78	50
Styrene	1.043	1.175		12.66	50
Bromoform	0.288	0.312	0.1	8.33	50
Isopropylbenzene	3.375	3.517		4.21	50
1,1,2,2-Tetrachloroethane	1.192	1.181	0.3	-0.92	50
1,3-Dichlorobenzene	1.624	1.555		-4.25	50
1,4-Dichlorobenzene	1.683	1.559		-7.37	50
1,2-Dichlorobenzene	1.620	1.548		-4.44	50
1,2-Dibromo-3-Chloropropane	0.218	0.232		6.42	50
1,2,4-Trichlorobenzene	0.753	0.752		-0.13	50
1,2,3-Trichlorobenzene	0.762	0.739		-3.02	50
1,2-Dichloroethane-d4	0.807	0.830		2.85	50
Dibromofluoromethane	0.347	0.350		0.87	50
Toluene-d8	1.232	1.295		5.11	50
4-Bromofluorobenzene	0.422	0.465		10.19	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: **VN085589.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013025\
Data File : VN085589.D
Acq On : 30 Jan 2025 19:06
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jan 31 02:40:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	196214	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	335615	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	299857	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	148704	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	162831	51.410	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.820%			
35) Dibromofluoromethane	8.165	113	117594	50.505	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.020%			
50) Toluene-d8	10.565	98	434546	52.529	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.060%			
62) 4-Bromofluorobenzene	12.847	95	156024	55.135	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 110.280%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	104463	39.321	ug/l	97
3) Chloromethane	2.359	50	113764	39.550	ug/l	98
4) Vinyl Chloride	2.512	62	124056	42.908	ug/l	99
5) Bromomethane	2.947	94	72732	41.646	ug/l	97
6) Chloroethane	3.118	64	83846	45.742	ug/l	99
7) Trichlorofluoromethane	3.495	101	187996	44.813	ug/l	99
8) Diethyl Ether	3.965	74	68426	47.214	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	107145	45.345	ug/l	99
10) Methyl Iodide	4.583	142	132651	49.023	ug/l	98
11) Tert butyl alcohol	5.518	59	102264	281.970	ug/l	100
12) 1,1-Dichloroethene	4.336	96	95439	45.321	ug/l	97
13) Acrolein	4.177	56	100387	202.767	ug/l	99
14) Allyl chloride	5.024	41	159132	46.569	ug/l	98
15) Acrylonitrile	5.718	53	309432	268.609	ug/l	100
16) Acetone	4.424	43	260799	254.840	ug/l	97
17) Carbon Disulfide	4.712	76	229703	35.427	ug/l	99
18) Methyl Acetate	5.018	43	179430	57.659	ug/l	100
19) Methyl tert-butyl Ether	5.794	73	377960	55.275	ug/l	99
20) Methylene Chloride	5.277	84	118994	46.969	ug/l	96
21) trans-1,2-Dichloroethene	5.783	96	100903	44.835	ug/l	97
22) Diisopropyl ether	6.671	45	398907	52.595	ug/l	98
23) Vinyl Acetate	6.600	43	1434572	270.274	ug/l	98
24) 1,1-Dichloroethane	6.565	63	226122	48.895	ug/l	98
25) 2-Butanone	7.482	43	415823	276.111	ug/l	98
26) 2,2-Dichloropropane	7.488	77	190331	50.904	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	130341	49.172	ug/l	99
28) Bromochloromethane	7.812	49	96493	44.848	ug/l	98
29) Tetrahydrofuran	7.835	42	273886	286.849	ug/l	99
30) Chloroform	7.965	83	231846	48.506	ug/l	98
31) Cyclohexane	8.253	56	163440	40.660	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	202572	48.316	ug/l	98
36) 1,1-Dichloropropene	8.371	75	149170	45.649	ug/l	99
37) Ethyl Acetate	7.559	43	166099	50.358	ug/l	99
38) Carbon Tetrachloride	8.359	117	174494	46.643	ug/l	97
39) Methylcyclohexane	9.600	83	142657	46.457	ug/l	98
40) Benzene	8.606	78	468453	47.711	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013025\
Data File : VN085589.D
Acq On : 30 Jan 2025 19:06
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jan 31 02:40:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	92010	53.618	ug/l		98
42) 1,2-Dichloroethane	8.671	62	180158	48.718	ug/l		100
43) Isopropyl Acetate	8.682	43	295453	55.903	ug/l		98
44) Trichloroethene	9.347	130	105161	46.011	ug/l		94
45) 1,2-Dichloropropane	9.618	63	124479	49.634	ug/l		98
46) Dibromomethane	9.706	93	86879	48.009	ug/l		99
47) Bromodichloromethane	9.882	83	190657	51.714	ug/l		100
48) Methyl methacrylate	9.676	41	135987	57.175	ug/l		98
49) 1,4-Dioxane	9.694	88	44692	1115.842	ug/l		97
51) 4-Methyl-2-Pentanone	10.441	43	894830	291.772	ug/l		100
52) Toluene	10.629	92	293434	51.578	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	185623	53.277	ug/l		97
54) cis-1,3-Dichloropropene	10.312	75	195455	52.519	ug/l		99
55) 1,1,2-Trichloroethane	11.012	97	115952	51.501	ug/l		98
56) Ethyl methacrylate	10.871	69	189877	50.062	ug/l		100
57) 1,3-Dichloropropane	11.159	76	206402	52.723	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	372287	260.567	ug/l		100
59) 2-Hexanone	11.194	43	649161	300.823	ug/l		100
60) Dibromochloromethane	11.359	129	142533	52.438	ug/l		99
61) 1,2-Dibromoethane	11.465	107	114468	51.076	ug/l		99
64) Tetrachloroethene	11.100	164	94335	46.147	ug/l		98
65) Chlorobenzene	11.888	112	322603	49.111	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.959	131	119573	49.597	ug/l		98
67) Ethyl Benzene	11.959	91	558745	52.224	ug/l		100
68) m/p-Xylenes	12.065	106	419759	106.156	ug/l		100
69) o-Xylene	12.394	106	203725	53.912	ug/l		99
70) Styrene	12.406	104	352471	56.360	ug/l		100
71) Bromoform	12.576	173	93492	54.197	ug/l	#	98
73) Isopropylbenzene	12.694	105	522932	52.104	ug/l		99
74) N-amyl acetate	12.494	43	245884	54.507	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	175616	49.536	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	147731m	48.878	ug/l		
77) Bromobenzene	12.976	156	126143	48.107	ug/l		98
78) n-propylbenzene	13.035	91	613075	51.600	ug/l		100
79) 2-Chlorotoluene	13.123	91	384964	50.064	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	444548	53.624	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	61186	54.771	ug/l		89
82) 4-Chlorotoluene	13.217	91	384892	50.271	ug/l		100
83) tert-Butylbenzene	13.435	119	367782	52.829	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	445077	53.867	ug/l		99
85) sec-Butylbenzene	13.612	105	511233	52.984	ug/l		100
86) p-Isopropyltoluene	13.729	119	425364	49.070	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	231245	47.888	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	231814	46.314	ug/l		98
89) n-Butylbenzene	14.053	91	356860	51.554	ug/l		98
90) Hexachloroethane	14.329	117	86662	47.180	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	230150	47.781	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	34539	53.352	ug/l		97
93) 1,2,4-Trichlorobenzene	15.388	180	111833	49.955	ug/l		99
94) Hexachlorobutadiene	15.494	225	51730	43.524	ug/l		98
95) Naphthalene	15.635	128	363079	54.350	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	109924	48.527	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013025\
Data File : VN085589.D
Acq On : 30 Jan 2025 19:06
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jan 31 02:40:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

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

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

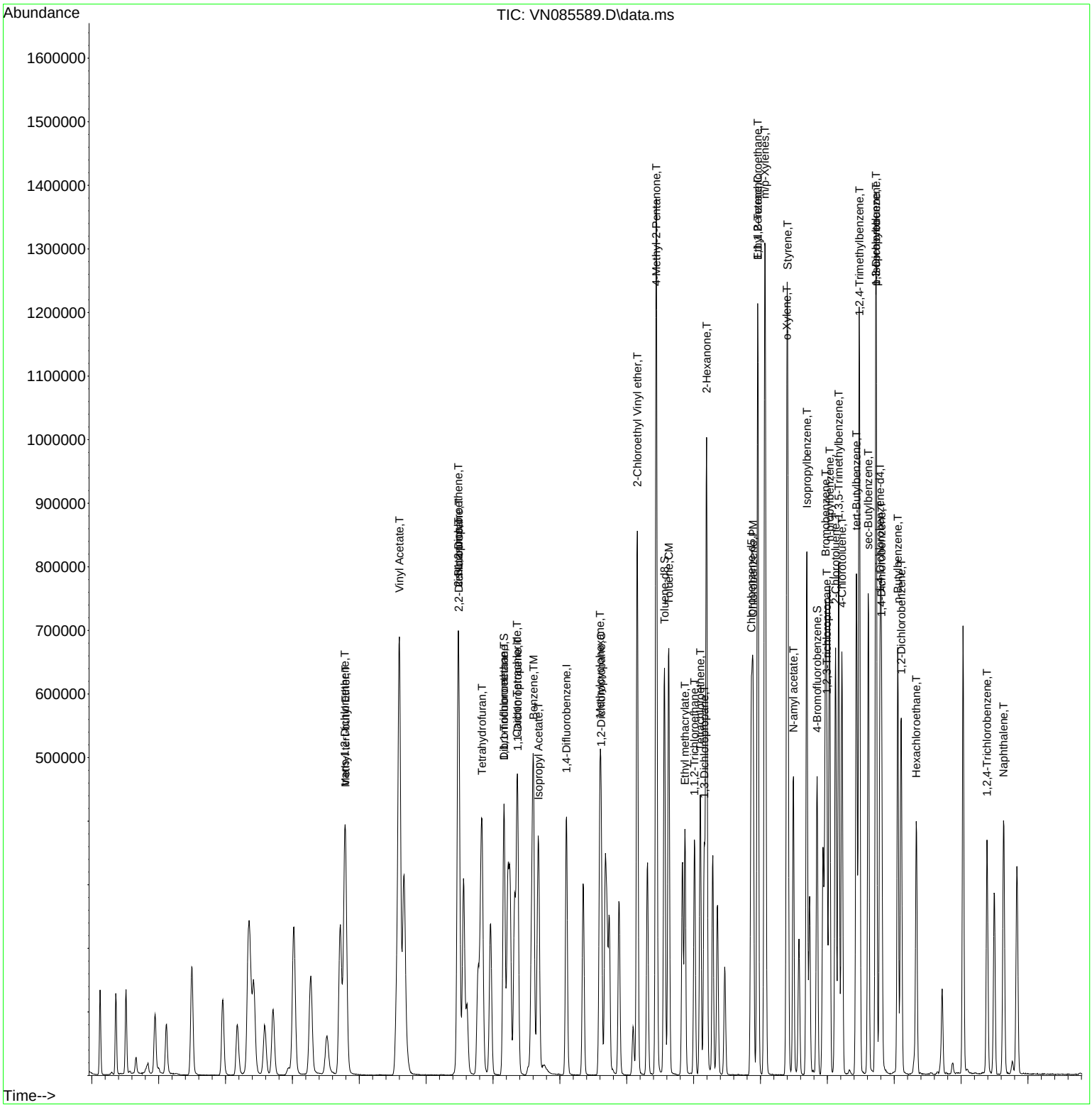
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Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

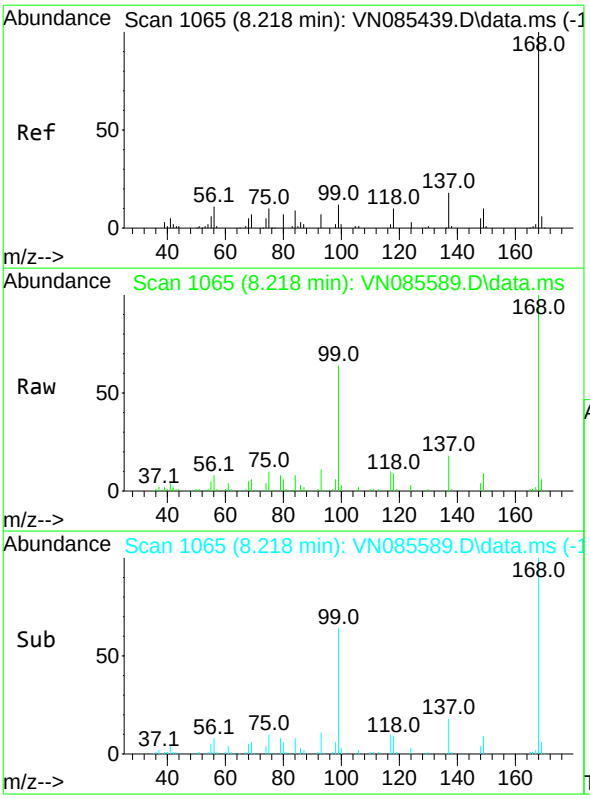
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Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

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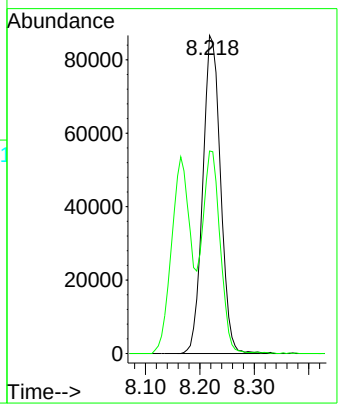




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion:168 Resp: 196214

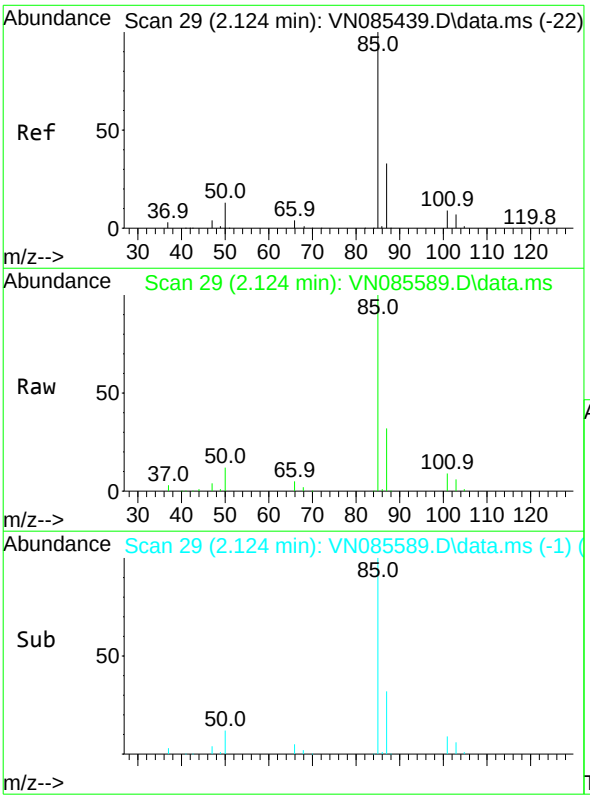
Ion	Ratio	Lower	Upper
168	100		
99	63.7	53.6	80.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

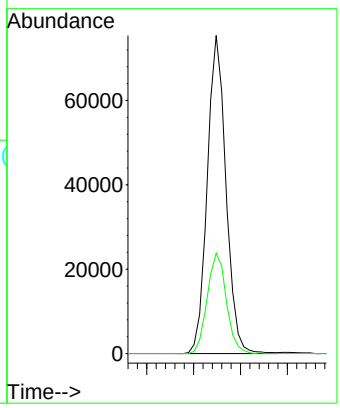
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

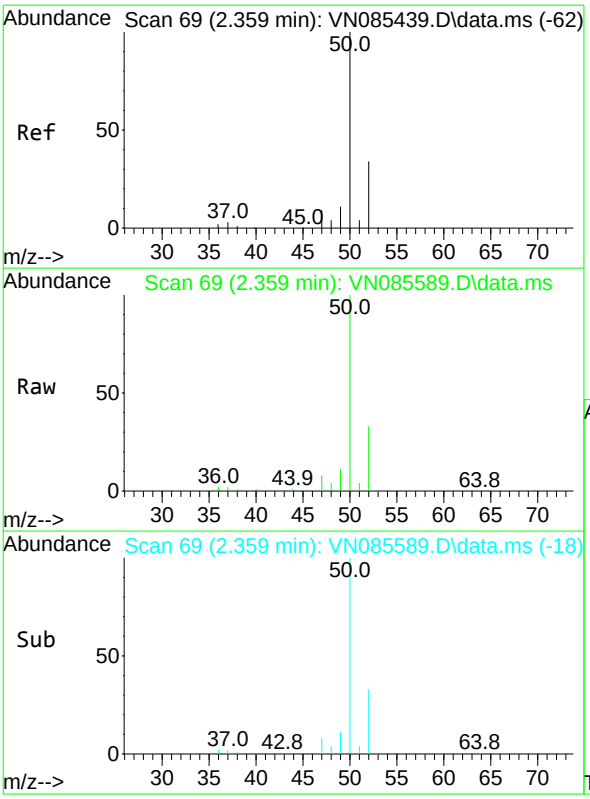


#2
Dichlorodifluoromethane
Concen: 39.321 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion: 85 Resp: 104463

Ion	Ratio	Lower	Upper
85	100		
87	31.5	16.7	50.1

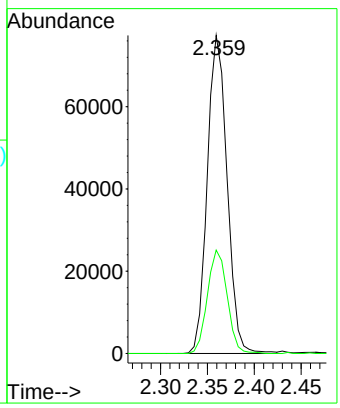




#3
Chloromethane
Concen: 39.550 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion: 50 Resp: 113764

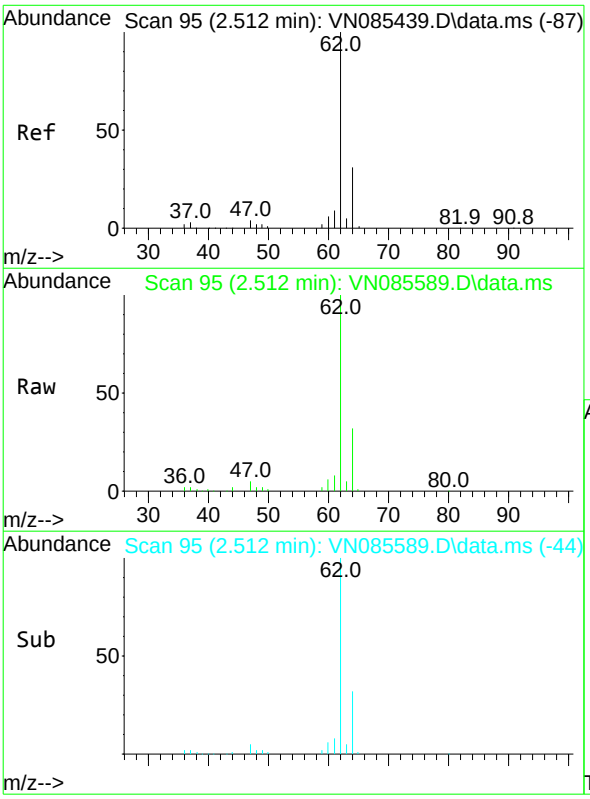
Ion	Ratio	Lower	Upper
50	100		
52	32.5	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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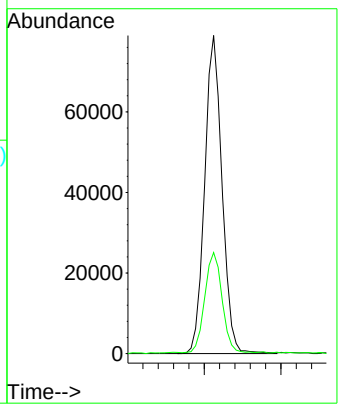
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

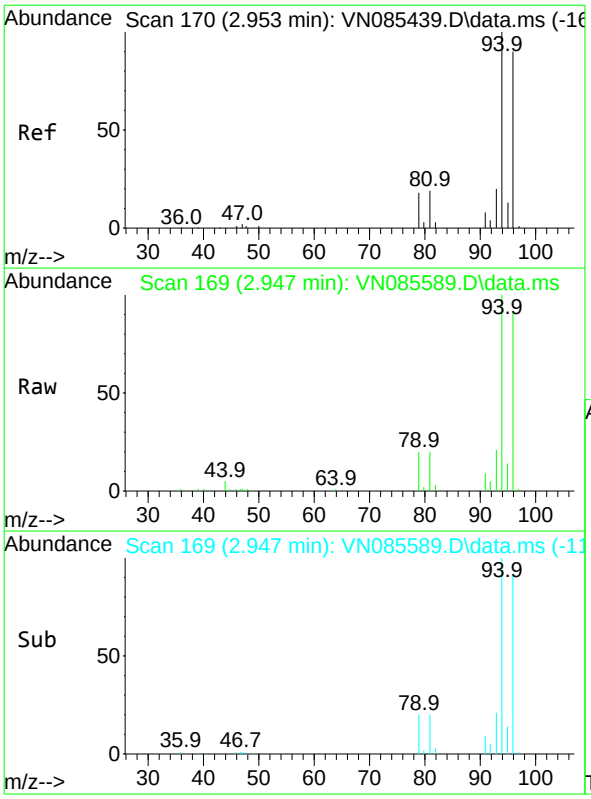


#4
Vinyl Chloride
Concen: 42.908 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion: 62 Resp: 124056

Ion	Ratio	Lower	Upper
62	100		
64	31.4	24.8	37.2

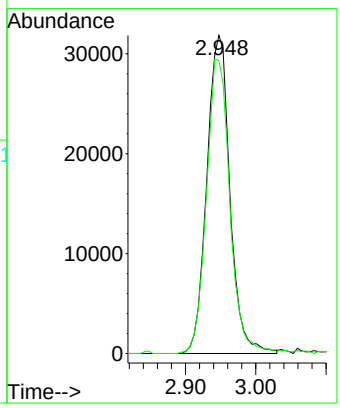




#5
Bromomethane
Concen: 41.646 ug/l
RT: 2.947 min Scan# 16
Delta R.T. -0.006 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion: 94 Resp: 72732

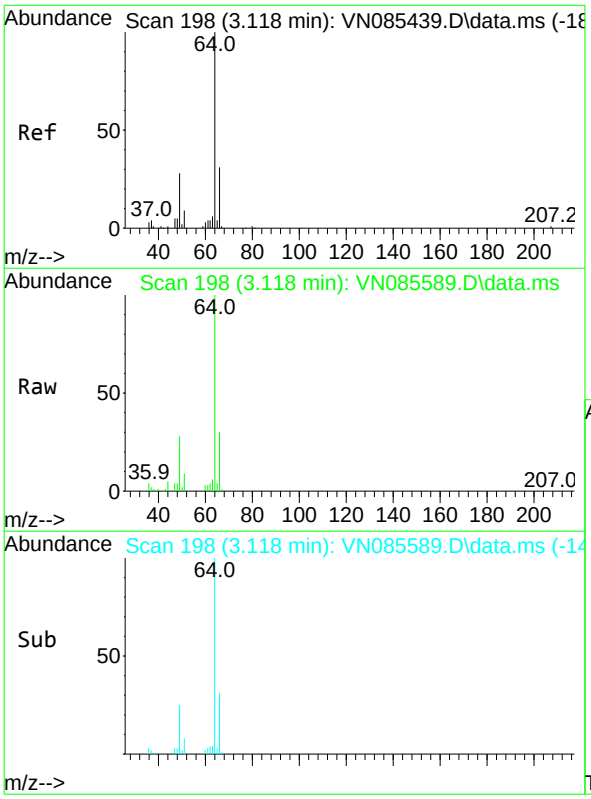
Ion	Ratio	Lower	Upper
94	100		
96	92.1	71.8	107.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

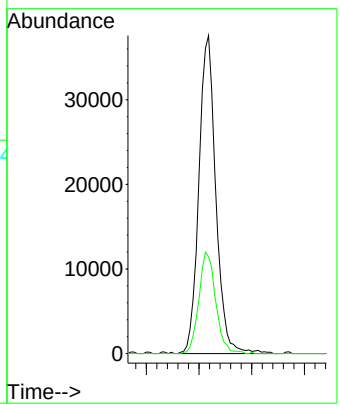
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

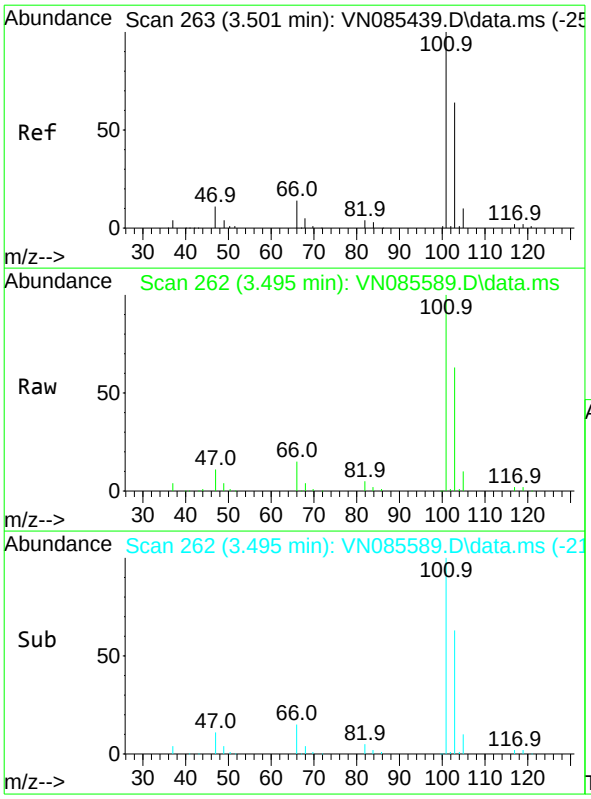


#6
Chloroethane
Concen: 45.742 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.000 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion: 64 Resp: 83846

Ion	Ratio	Lower	Upper
64	100		
66	30.4	24.6	36.8

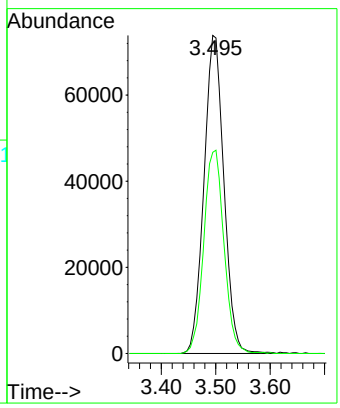




#7
Trichlorofluoromethane
Concen: 44.813 ug/l
RT: 3.495 min Scan# 26
Delta R.T. -0.006 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion:101 Resp: 187996

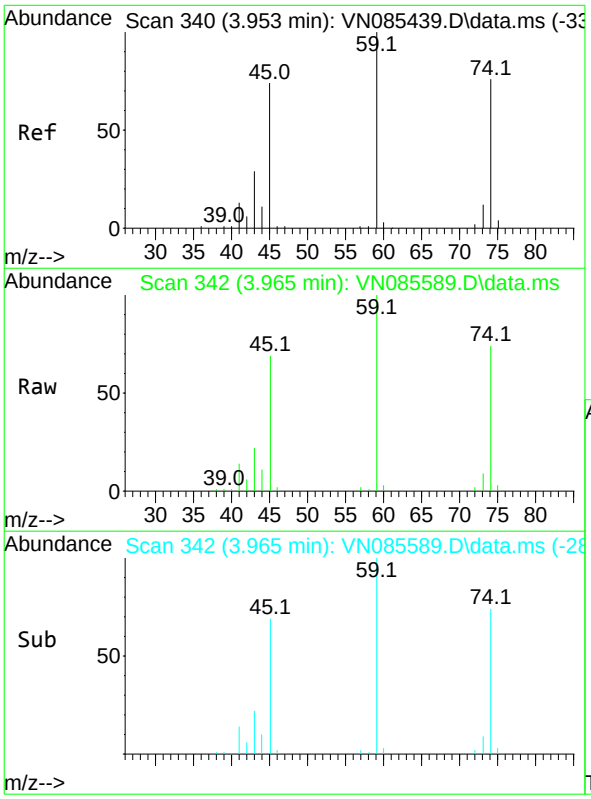
Ion	Ratio	Lower	Upper
101	100		
103	63.2	51.4	77.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

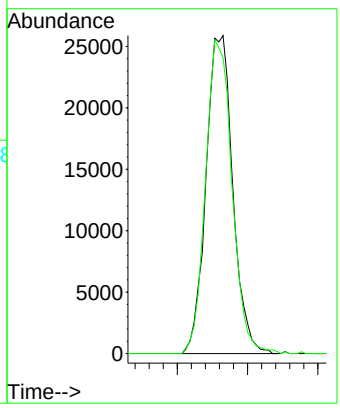
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

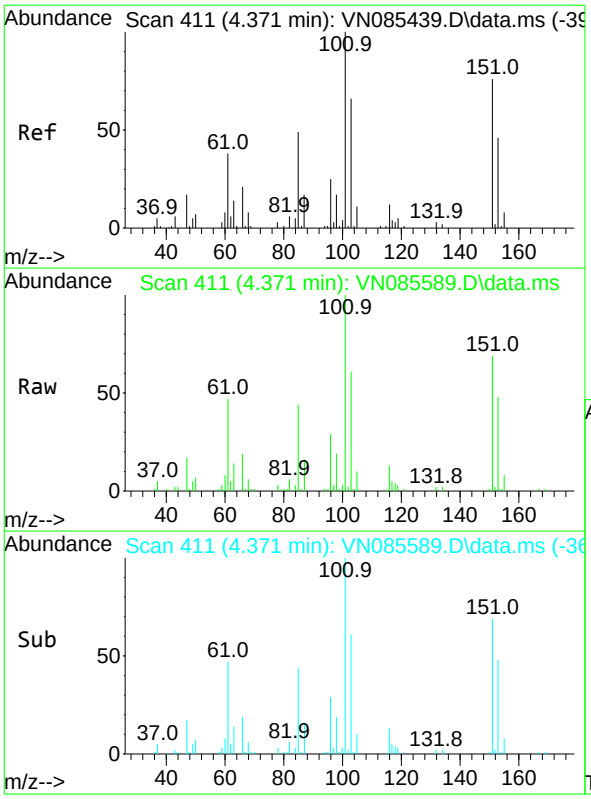


#8
Diethyl Ether
Concen: 47.214 ug/l
RT: 3.965 min Scan# 342
Delta R.T. 0.012 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion: 74 Resp: 68426

Ion	Ratio	Lower	Upper
74	100		
45	97.8	49.7	149.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.345 ug/l
RT: 4.371 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

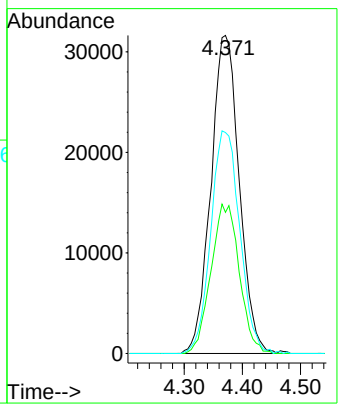
Instrument :
MSVOA_N
ClientSampleId :
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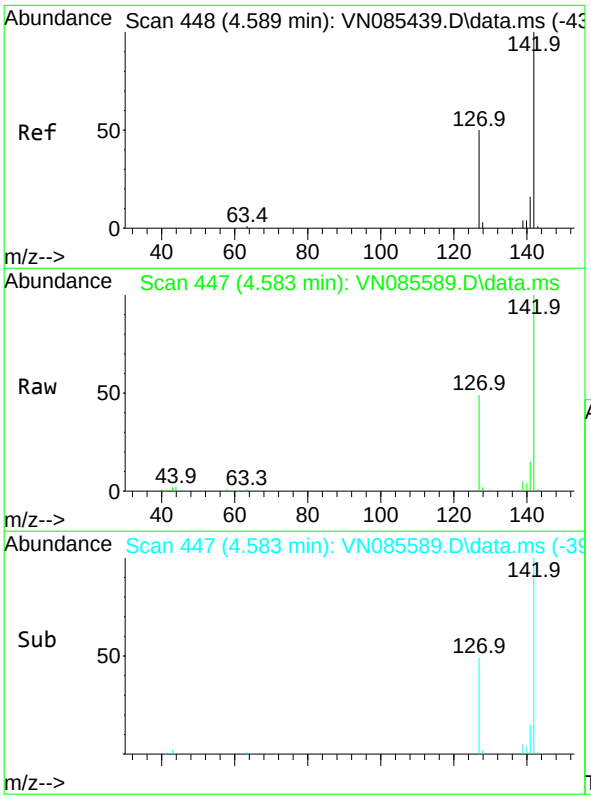
Tgt Ion:101 Resp: 107145

Ion	Ratio	Lower	Upper
101	100		
85	47.0	37.8	56.8
151	71.7	58.8	88.2

Manual Integrations
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Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

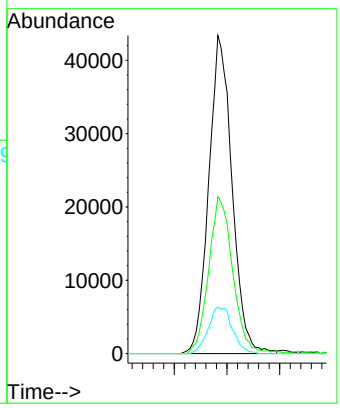


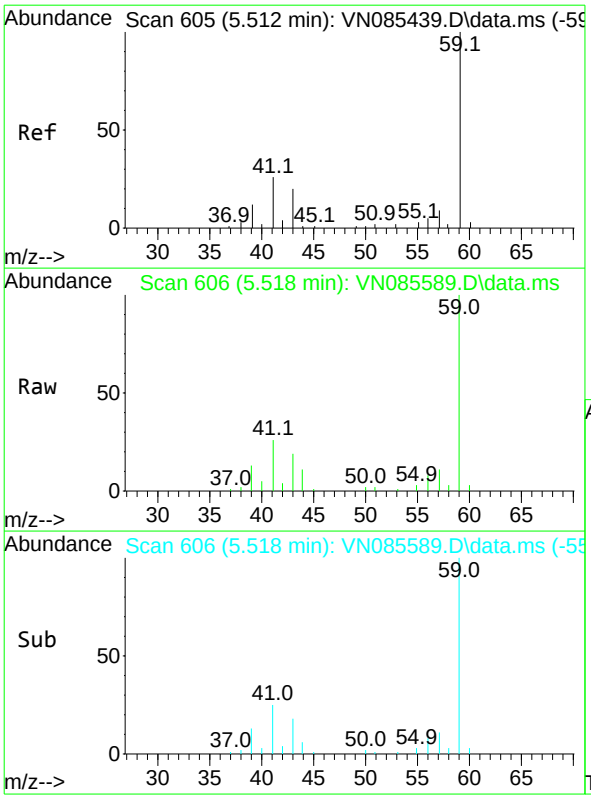


#10
Methyl Iodide
Concen: 49.023 ug/l
RT: 4.583 min Scan# 447
Delta R.T. -0.006 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion:142 Resp: 132651

Ion	Ratio	Lower	Upper
142	100		
127	49.3	40.3	60.5
141	14.7	12.8	19.2





#11
Tert butyl alcohol
Concen: 281.970 ug/l
RT: 5.518 min Scan# 60
Delta R.T. 0.006 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

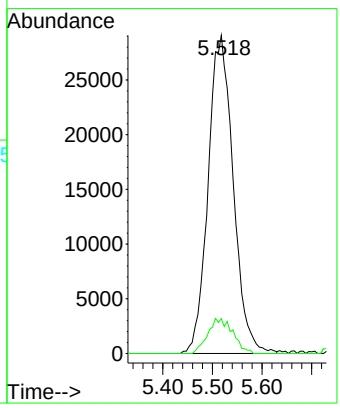
Tgt Ion: 59 Resp: 102264

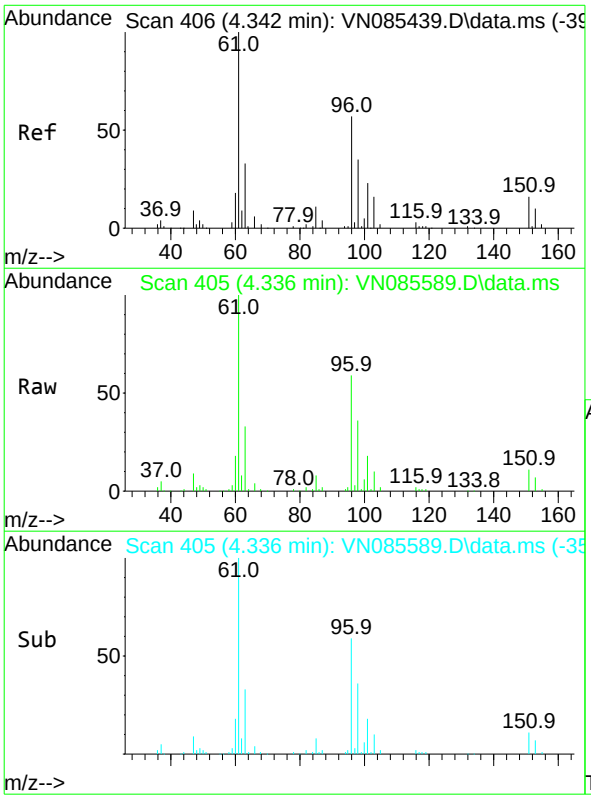
Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.6	13.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

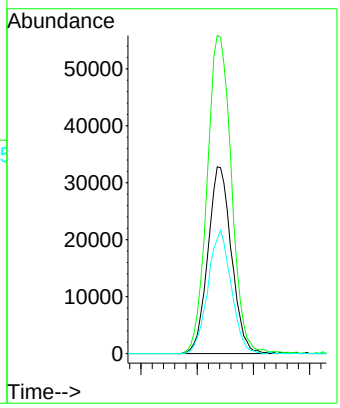


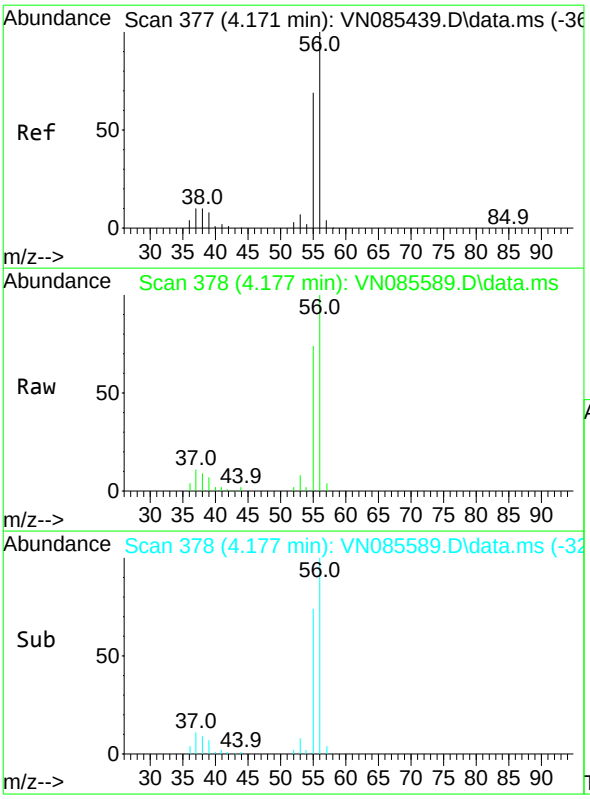


#12
1,1-Dichloroethene
Concen: 45.321 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.006 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion: 96 Resp: 95439

Ion	Ratio	Lower	Upper
96	100		
61	170.3	141.0	211.4
98	61.3	49.0	73.6

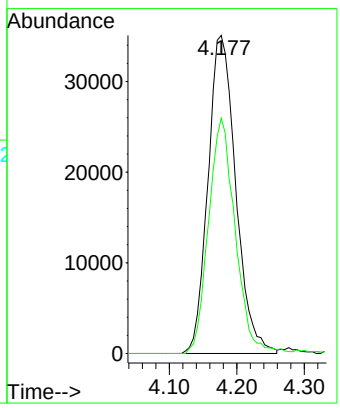




#13
Acrolein
Concen: 202.767 ug/l
RT: 4.177 min Scan# 37
Delta R.T. 0.006 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion: 56 Resp: 100387

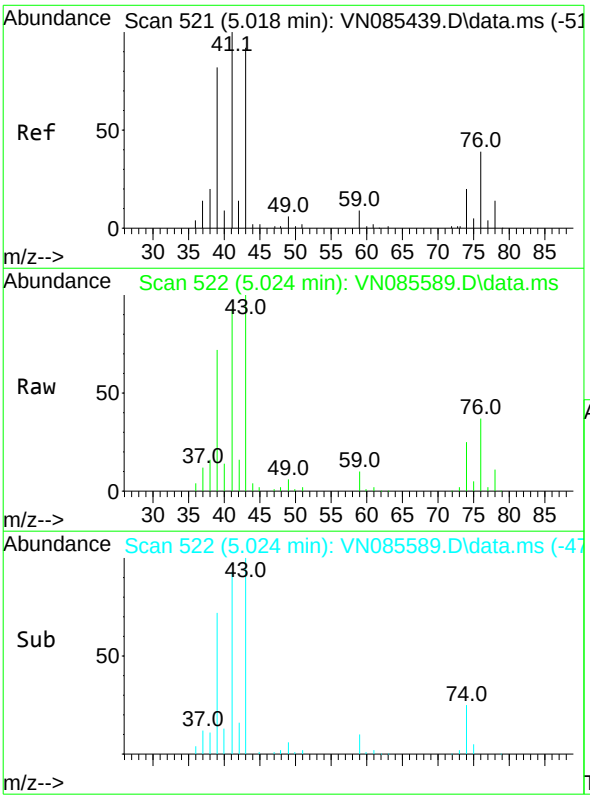
Ion	Ratio	Lower	Upper
56	100		
55	70.9	56.3	84.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

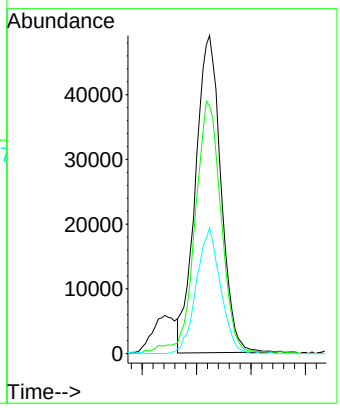
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

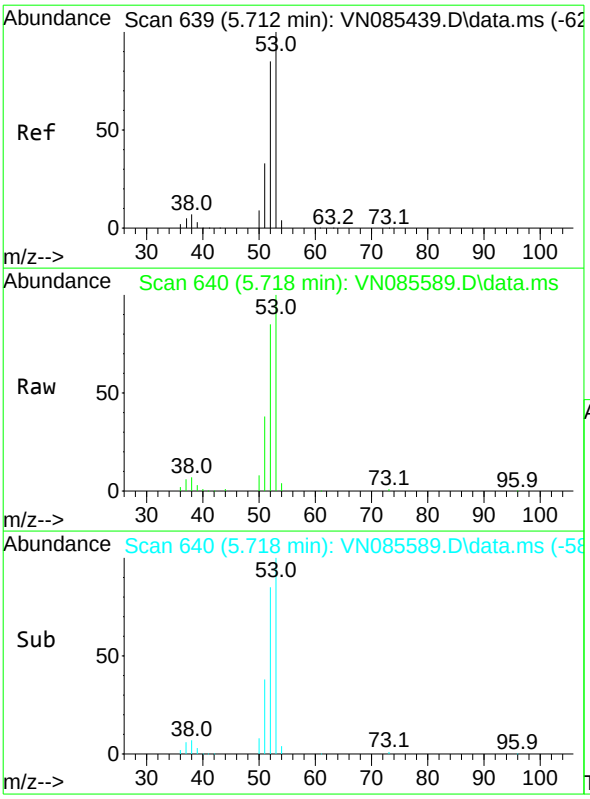


#14
Allyl chloride
Concen: 46.569 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion: 41 Resp: 159132

Ion	Ratio	Lower	Upper
41	100		
39	82.1	64.4	96.6
76	37.5	30.5	45.7

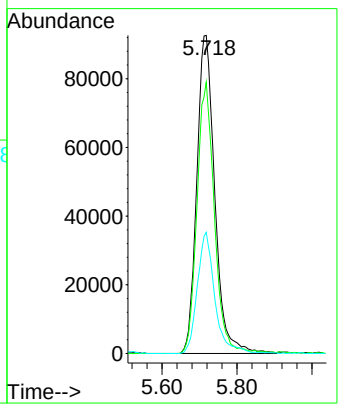




#15
Acrylonitrile
Concen: 268.609 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.006 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion: 53 Resp: 309432

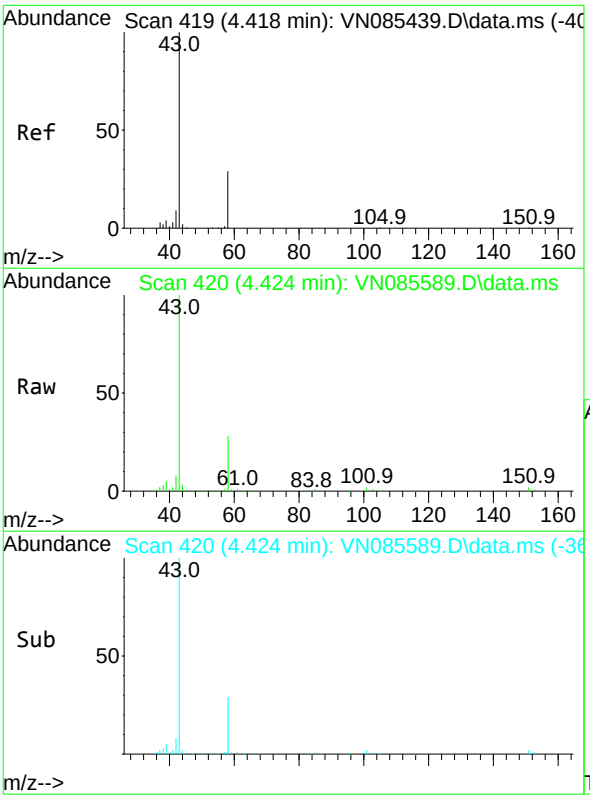
Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.5	98.3
51	36.8	29.8	44.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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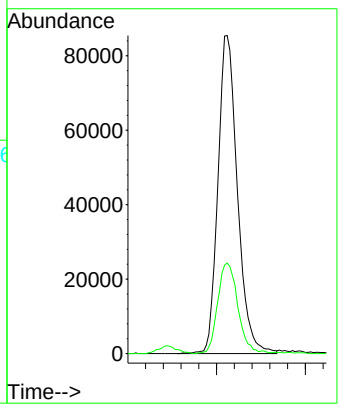
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

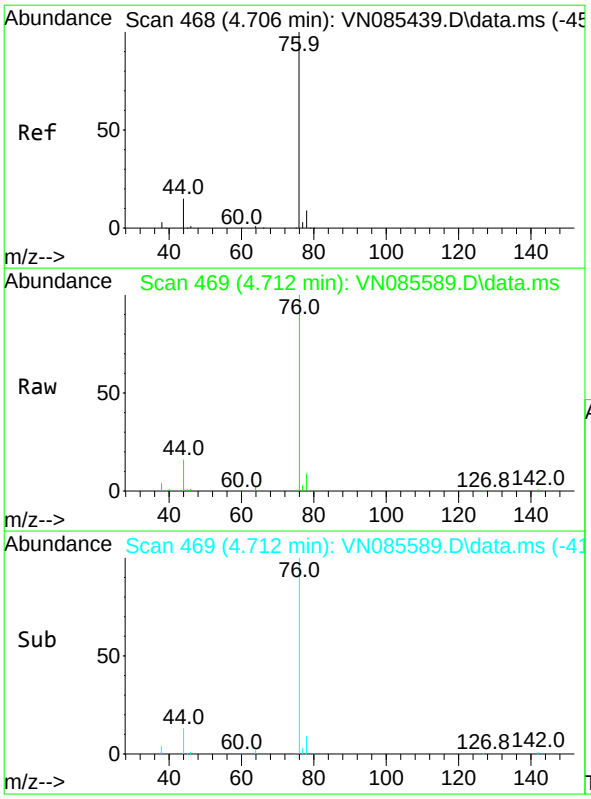


#16
Acetone
Concen: 254.840 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion: 43 Resp: 260799

Ion	Ratio	Lower	Upper
43	100		
58	28.2	23.8	35.6

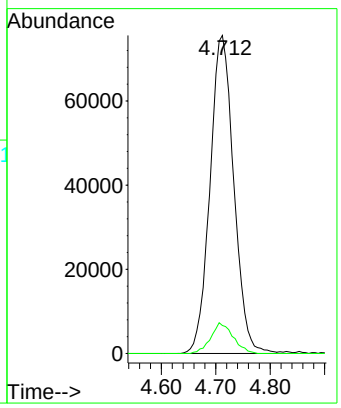




#17
Carbon Disulfide
Concen: 35.427 ug/l
RT: 4.712 min Scan# 46
Delta R.T. 0.006 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion: 76 Resp: 229703

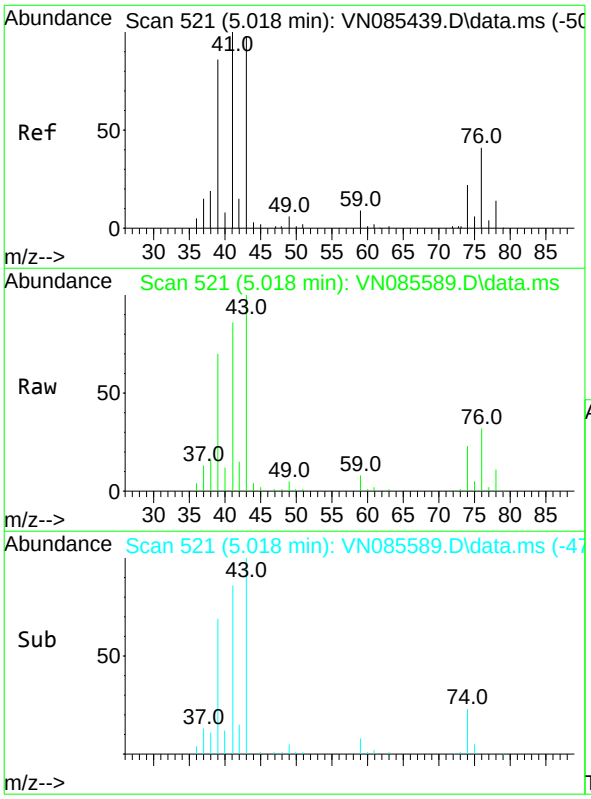
Ion	Ratio	Lower	Upper
76	100		
78	8.8	6.9	10.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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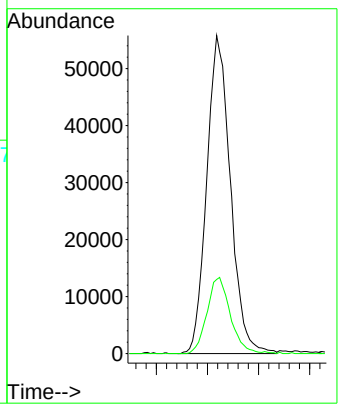
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

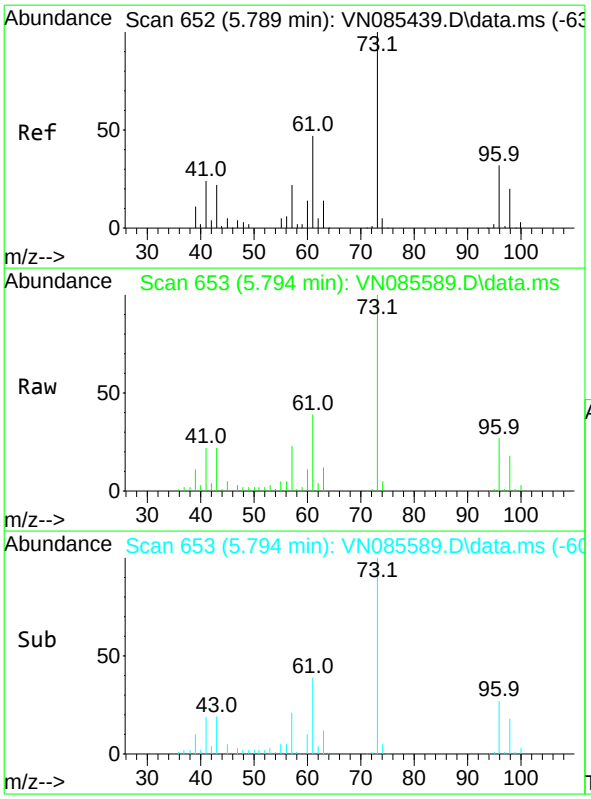


#18
Methyl Acetate
Concen: 57.659 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion: 43 Resp: 179430

Ion	Ratio	Lower	Upper
43	100		
74	23.5	18.6	28.0





#19
Methyl tert-butyl Ether
Concen: 55.275 ug/l
RT: 5.794 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

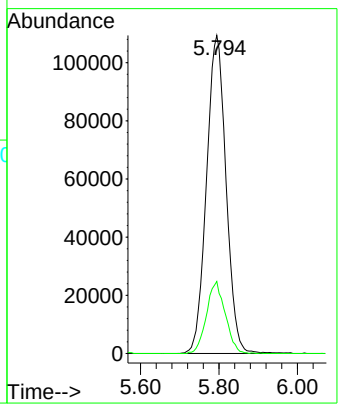
Tgt Ion: 73 Resp: 377960

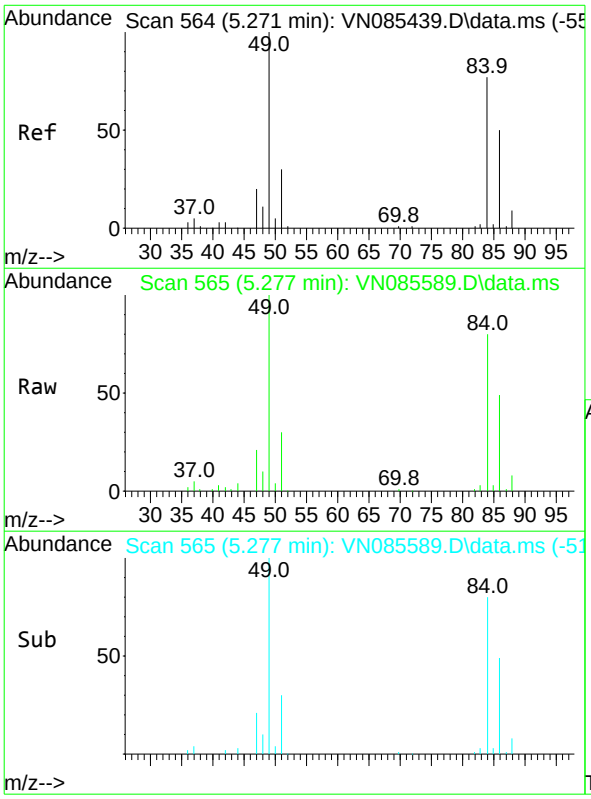
Ion	Ratio	Lower	Upper
73	100		
57	22.6	17.8	26.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

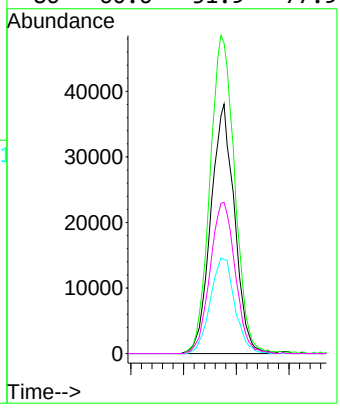


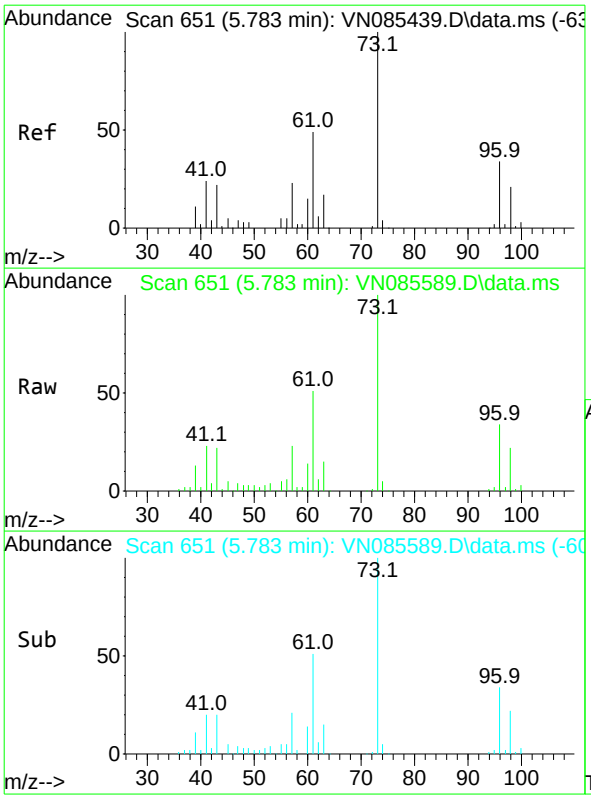


#20
Methylene Chloride
Concen: 46.969 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion: 84 Resp: 118994

Ion	Ratio	Lower	Upper
84	100		
49	124.5	104.1	156.1
51	37.7	31.0	46.4
86	60.6	51.9	77.9





#21
trans-1,2-Dichloroethene
Concen: 44.835 ug/l
RT: 5.783 min Scan# 65
Delta R.T. -0.000 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

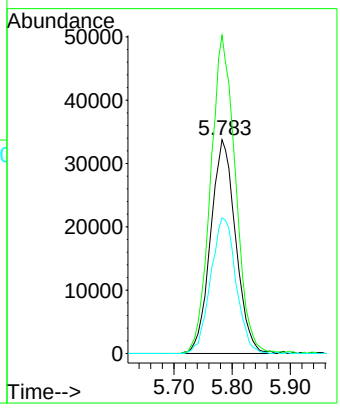
Tgt Ion: 96 Resp: 100903

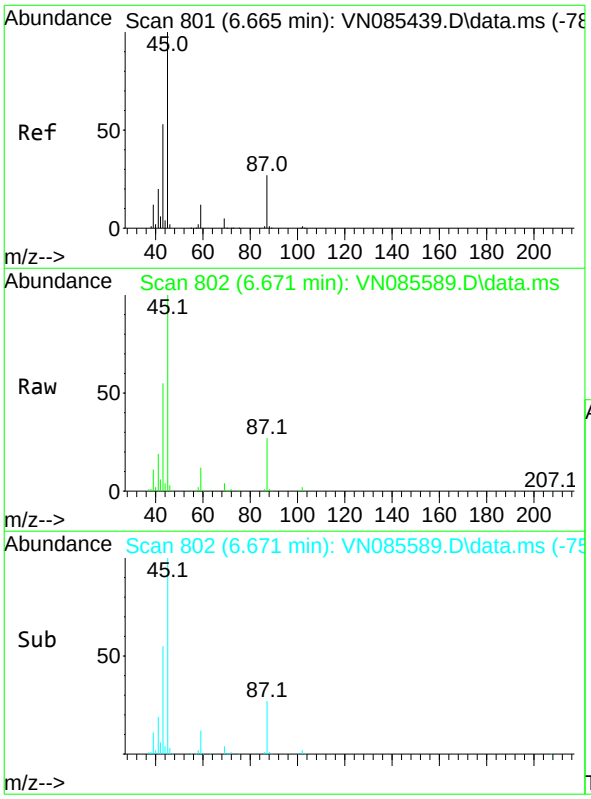
Ion	Ratio	Lower	Upper
96	100		
61	148.8	115.7	173.5
98	63.4	49.8	74.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 01/31/2025
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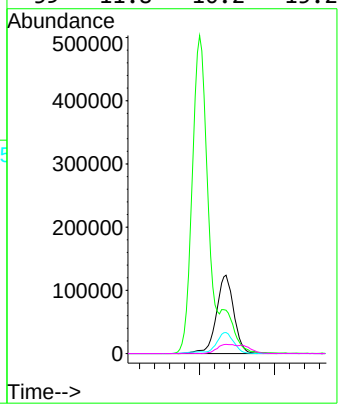


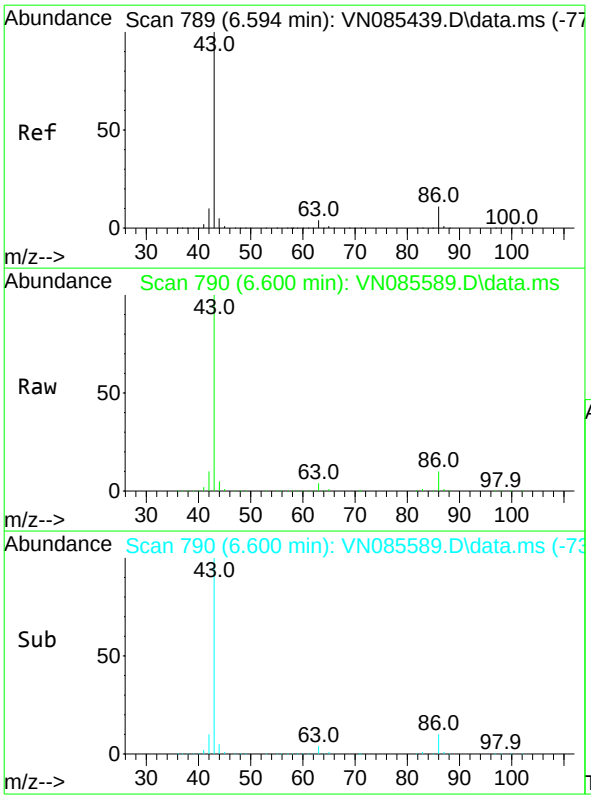


#22
Diisopropyl ether
Concen: 52.595 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.006 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion: 45 Resp: 398907

Ion	Ratio	Lower	Upper
45	100		
43	54.6	45.0	67.6
87	26.8	21.8	32.8
59	11.8	10.2	15.2





#23
Vinyl Acetate
Concen: 270.274 ug/l
RT: 6.600 min Scan# 79
Delta R.T. 0.006 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

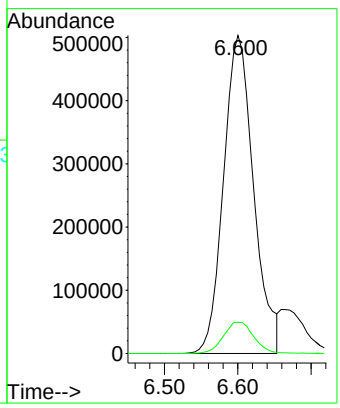
Tgt Ion: 43 Resp: 1434572

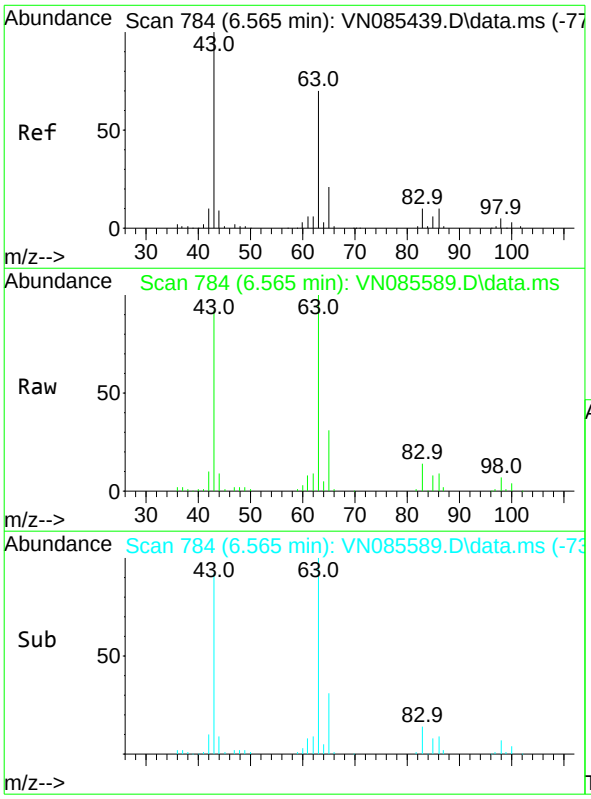
Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.4	12.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

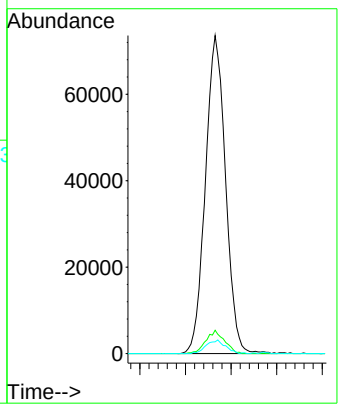


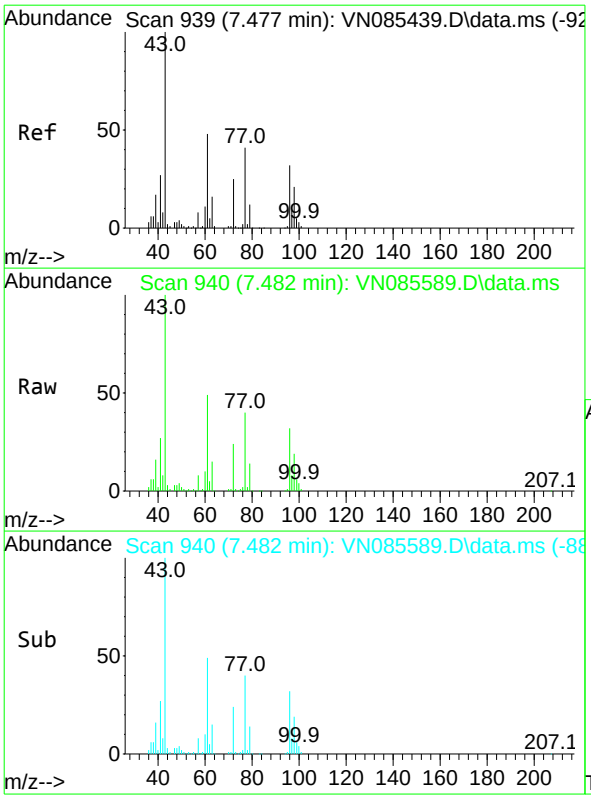


#24
1,1-Dichloroethane
Concen: 48.895 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.000 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion: 63 Resp: 226122

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.3	9.8
100	3.7	2.0	6.0





#25
2-Butanone
Concen: 276.111 ug/l
RT: 7.482 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

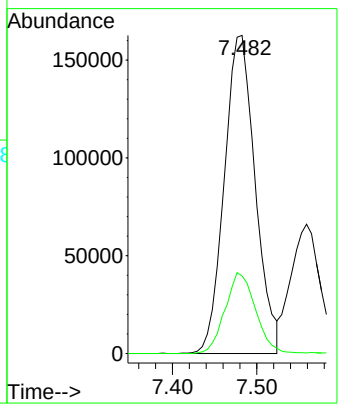
Tgt Ion: 43 Resp: 415823

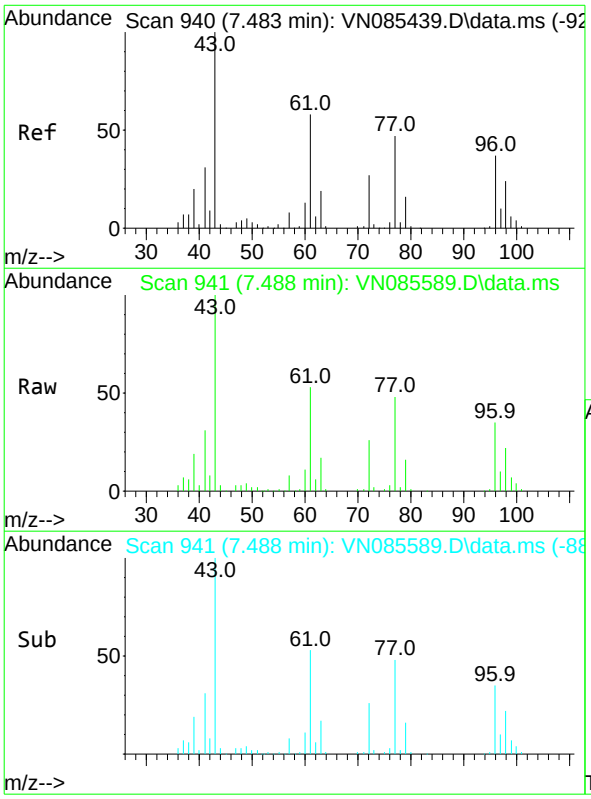
Ion	Ratio	Lower	Upper
43	100		
72	24.4	20.2	30.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

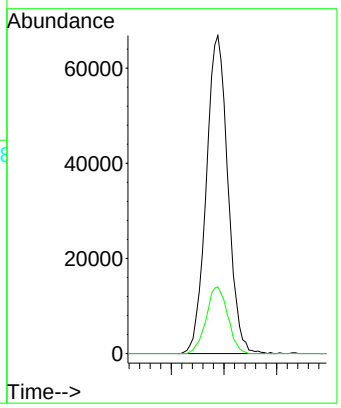


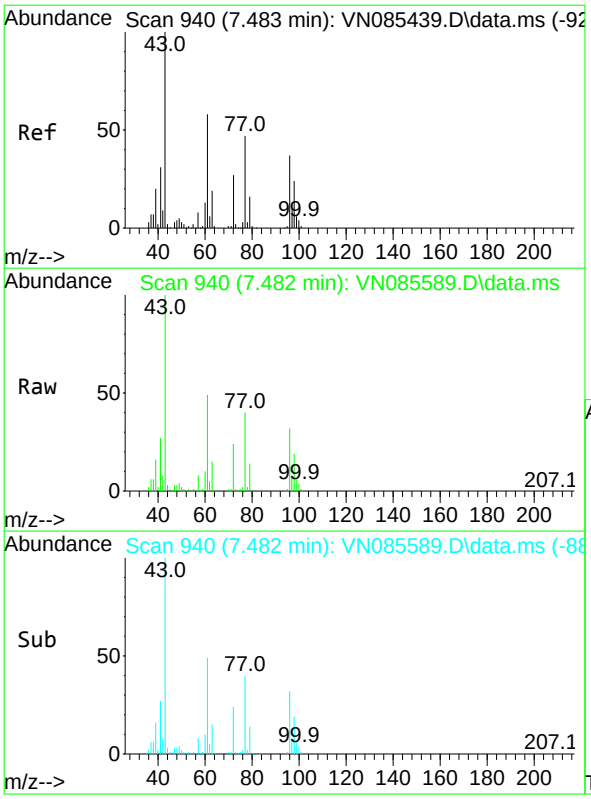


#26
2,2-Dichloropropane
Concen: 50.904 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion: 77 Resp: 190331

Ion	Ratio	Lower	Upper
77	100		
97	20.9	10.7	32.1





#27
cis-1,2-Dichloroethene
Concen: 49.172 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

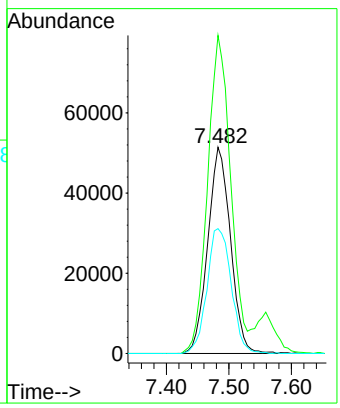
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

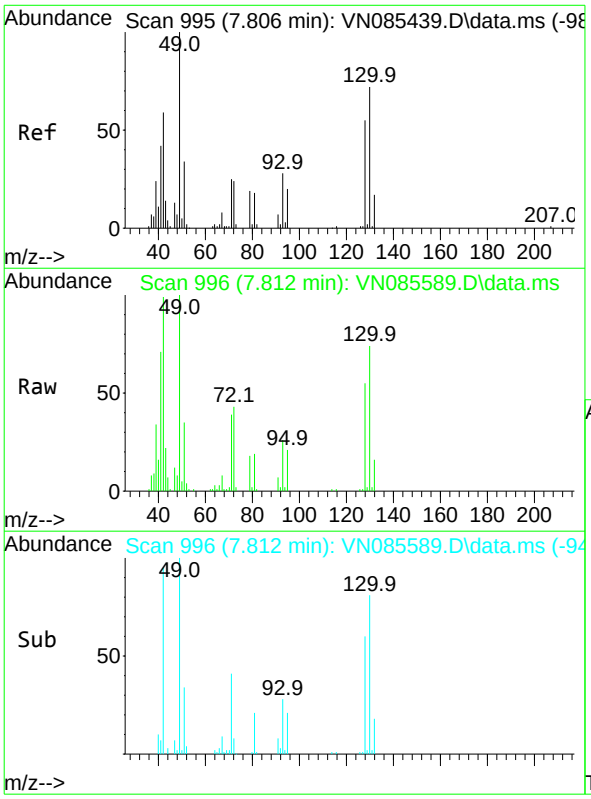
Tgt Ion: 96 Resp: 130341

Ion	Ratio	Lower	Upper
96	100		
61	155.8	0.0	311.8
98	64.5	0.0	126.0

Manual Integrations
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Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

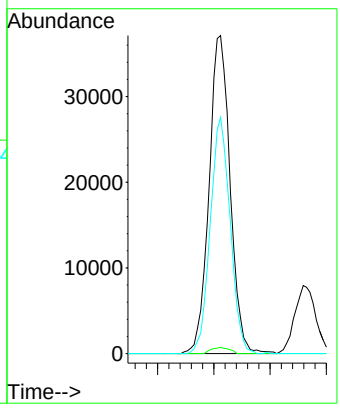


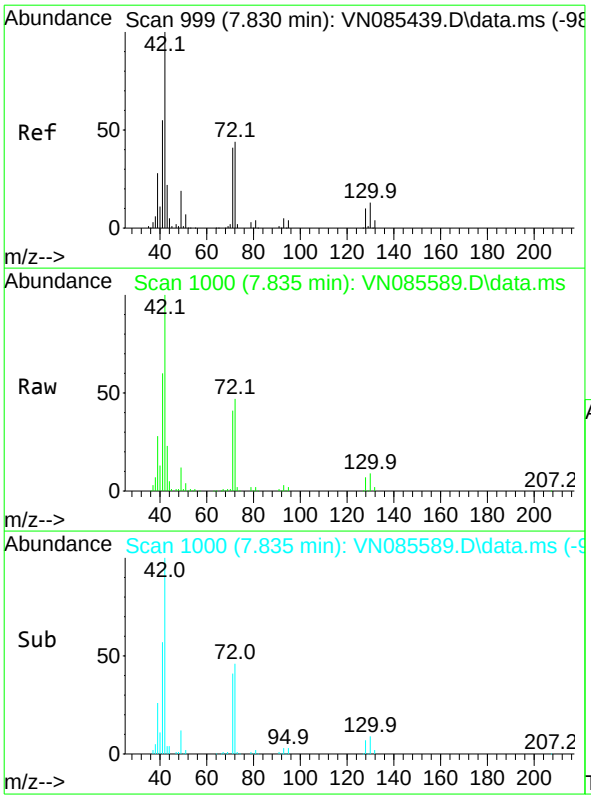


#28
Bromochloromethane
Concen: 44.848 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion: 49 Resp: 96493

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.4
130	70.1	55.0	82.4





#29
Tetrahydrofuran
Concen: 286.849 ug/l
RT: 7.835 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

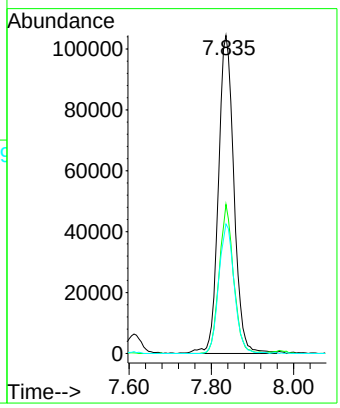
Tgt Ion: 42 Resp: 273886

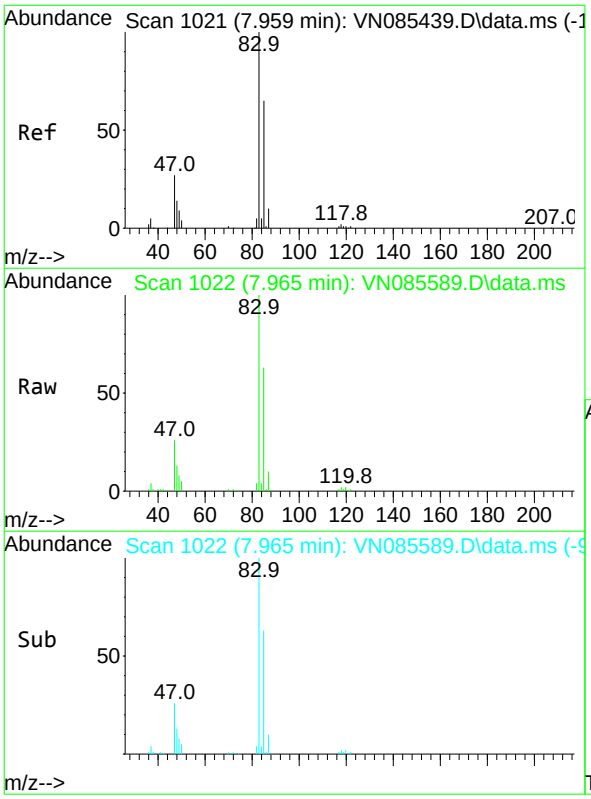
Ion	Ratio	Lower	Upper
42	100		
72	43.3	34.2	51.2
71	40.3	32.5	48.7

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

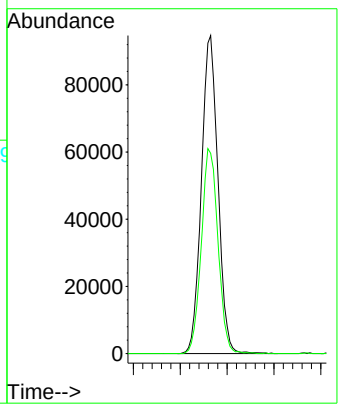


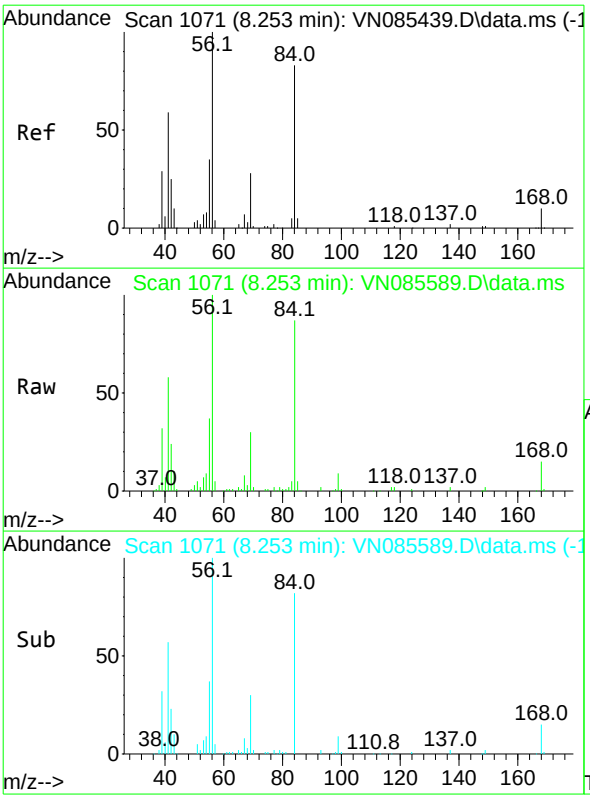


#30
Chloroform
Concen: 48.506 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion: 83 Resp: 231846

Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.8	77.6

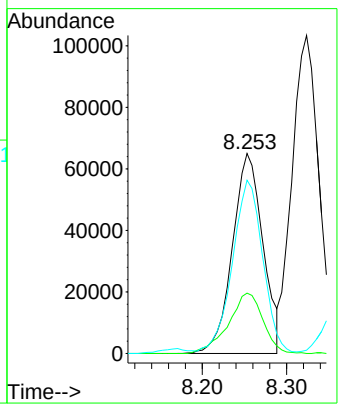




#31
Cyclohexane
Concen: 40.660 ug/l
RT: 8.253 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion: 56 Resp: 163440

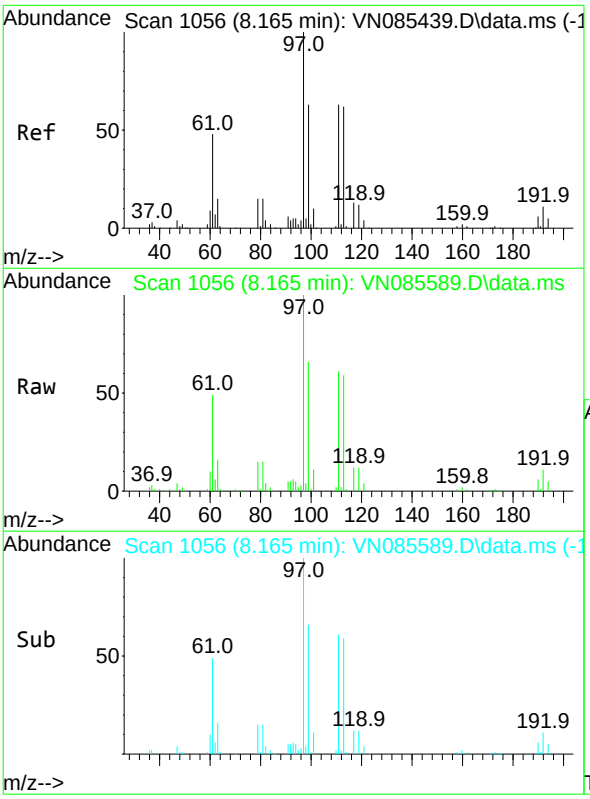
Ion	Ratio	Lower	Upper
56	100		
69	30.2	22.2	33.4
84	84.2	66.4	99.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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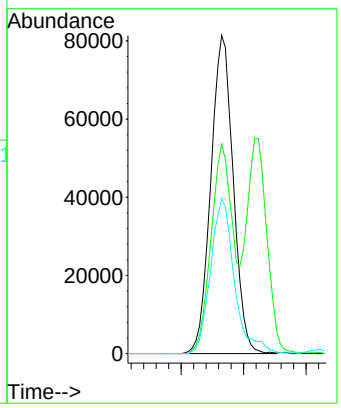
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

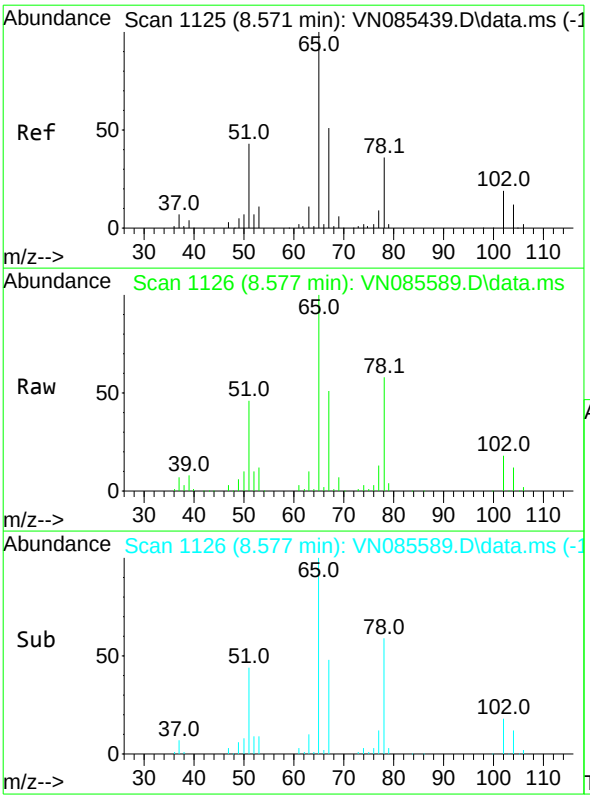


#32
1,1,1-Trichloroethane
Concen: 48.316 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion: 97 Resp: 202572

Ion	Ratio	Lower	Upper
97	100		
99	65.4	49.8	74.6
61	52.0	41.4	62.2





#33
1,2-Dichloroethane-d4
Concen: 51.410 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

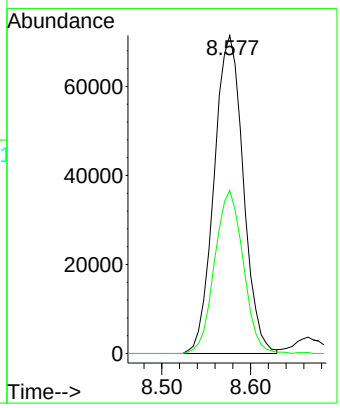
Tgt Ion: 65 Resp: 162831

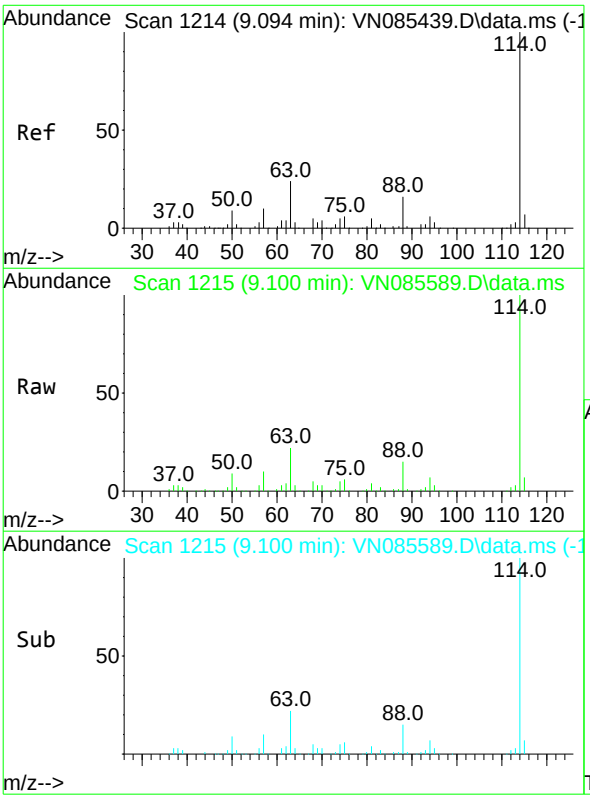
Ion	Ratio	Lower	Upper
65	100		
67	50.2	0.0	101.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

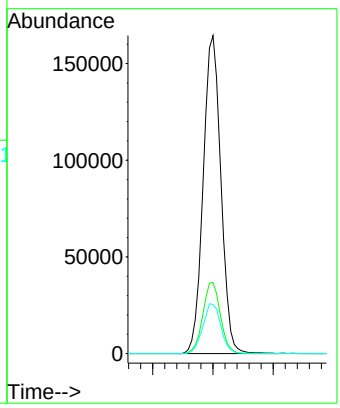


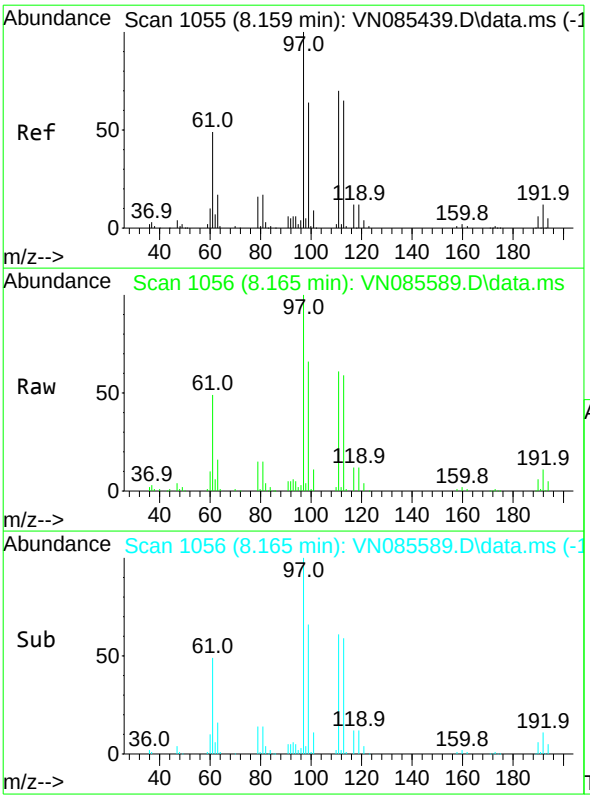


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion:114 Resp: 335615

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	47.6
88	15.4	0.0	32.6





#35
Dibromofluoromethane
Concen: 50.505 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

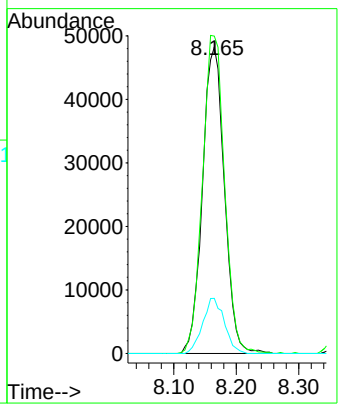
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

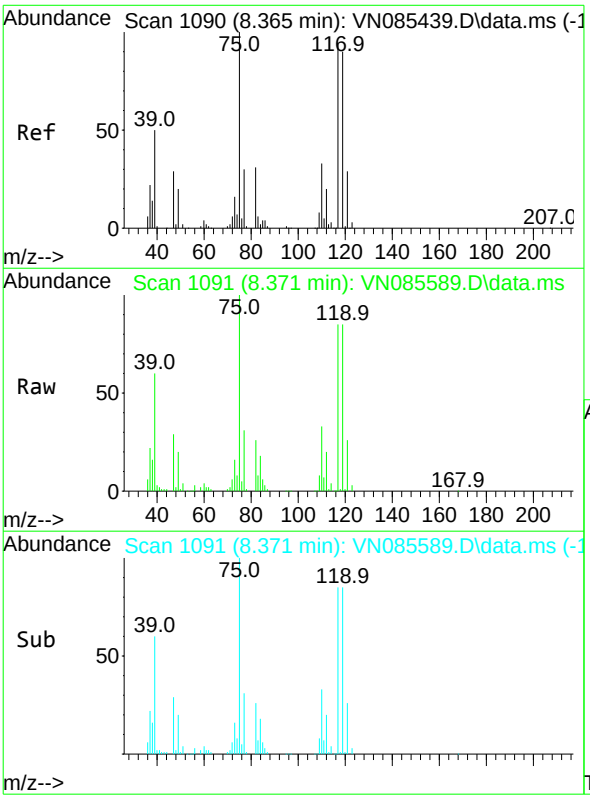
Tgt Ion:113 Resp: 117594

Ion	Ratio	Lower	Upper
113	100		
111	104.7	82.7	124.1
192	17.8	14.3	21.5

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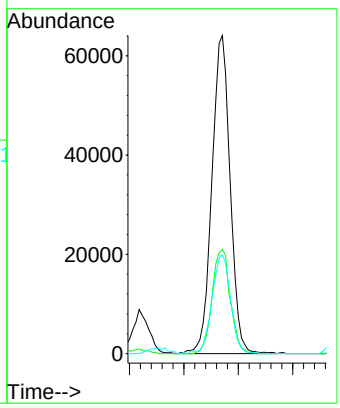


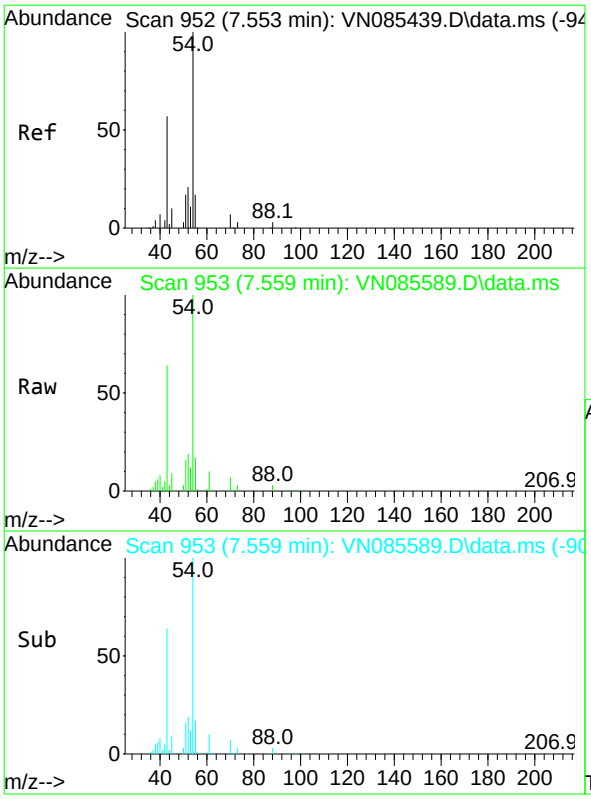


#36
1,1-Dichloropropene
Concen: 45.649 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.006 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion: 75 Resp: 149170

Ion	Ratio	Lower	Upper
75	100		
110	32.7	16.5	49.5
77	31.6	24.4	36.6





#37
Ethyl Acetate
Concen: 50.358 ug/l
RT: 7.559 min Scan# 95
Delta R.T. 0.006 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

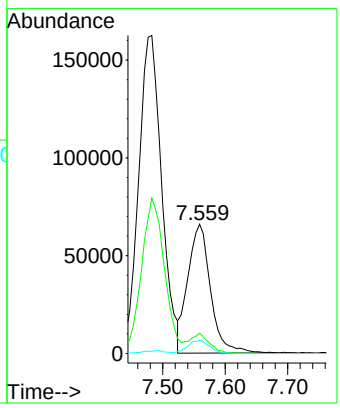
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

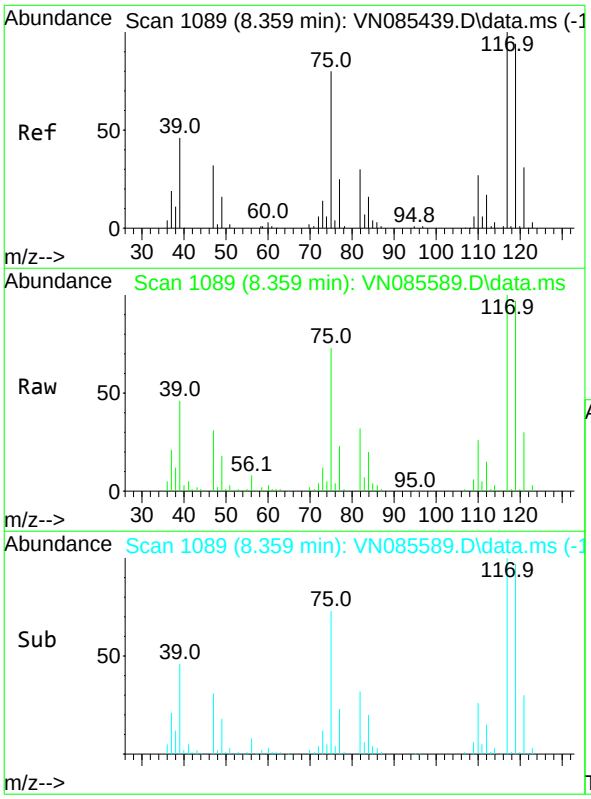
Tgt Ion: 43 Resp: 166099

Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.9	16.3
70	9.8	7.5	11.3

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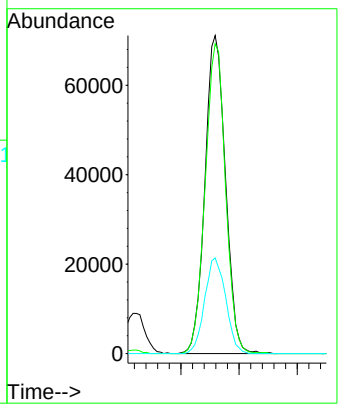


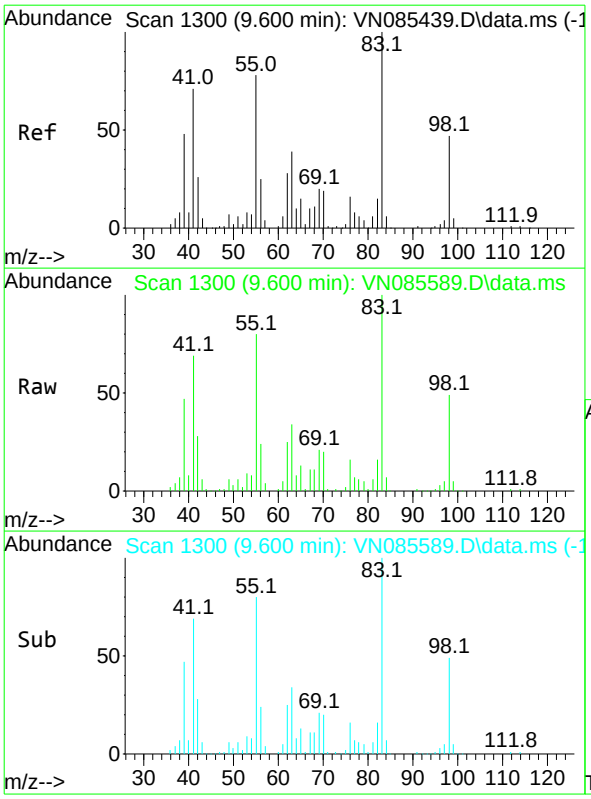


#38
Carbon Tetrachloride
Concen: 46.643 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion:117 Resp: 174494

Ion	Ratio	Lower	Upper
117	100		
119	97.4	75.4	113.2
121	30.1	24.6	37.0

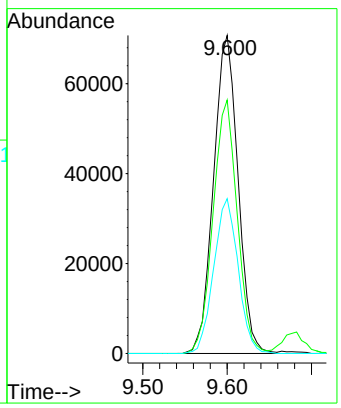




#39
Methylcyclohexane
Concen: 46.457 ug/l
RT: 9.600 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion: 83 Resp: 142657

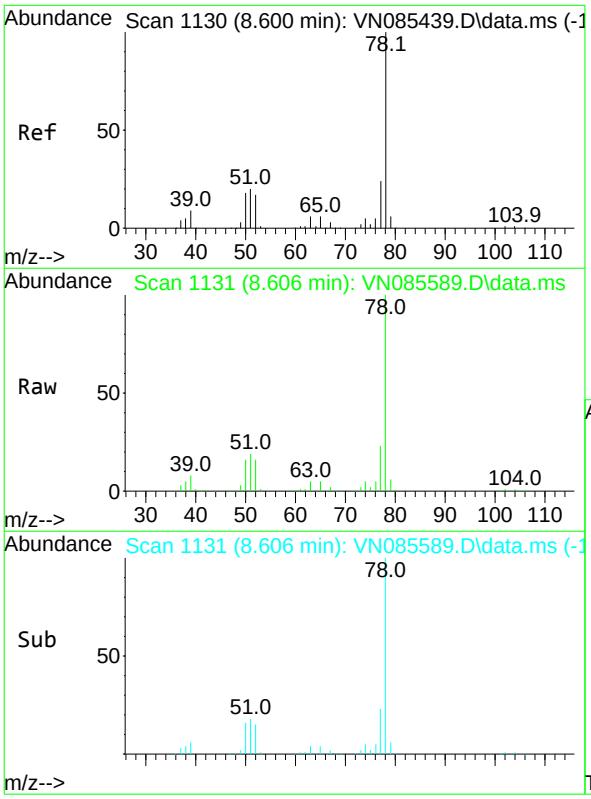
Ion	Ratio	Lower	Upper
83	100		
55	79.7	62.6	94.0
98	48.7	37.7	56.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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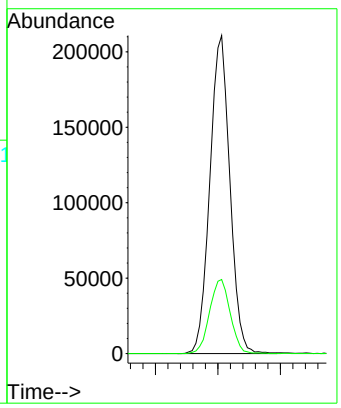
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

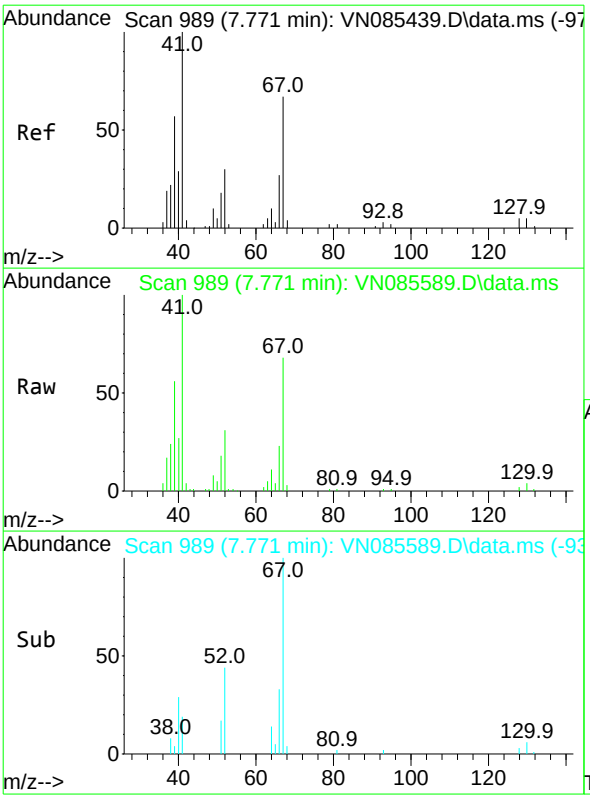


#40
Benzene
Concen: 47.711 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion: 78 Resp: 468453

Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.6

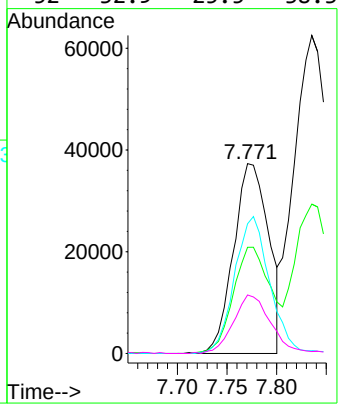




#41
Methacrylonitrile
Concen: 53.618 ug/l
RT: 7.771 min Scan# 98
Delta R.T. -0.000 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion: 41 Resp: 92010

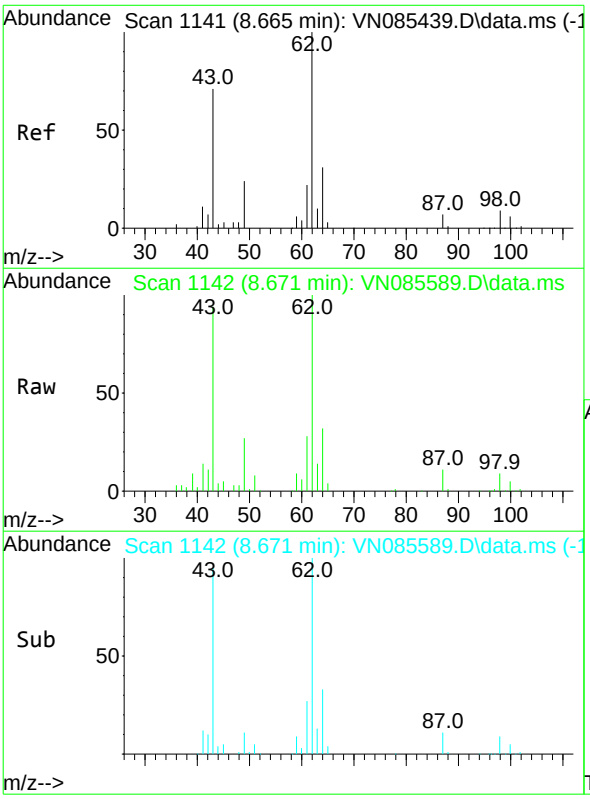
Ion	Ratio	Lower	Upper
41	100		
39	60.9	46.0	69.0
67	72.7	57.4	86.2
52	32.9	25.5	38.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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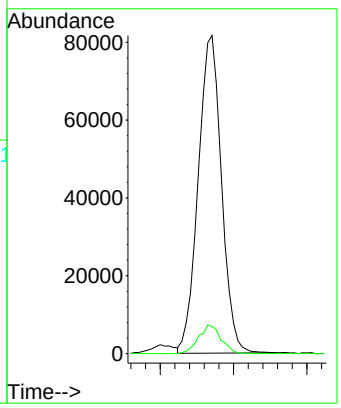
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

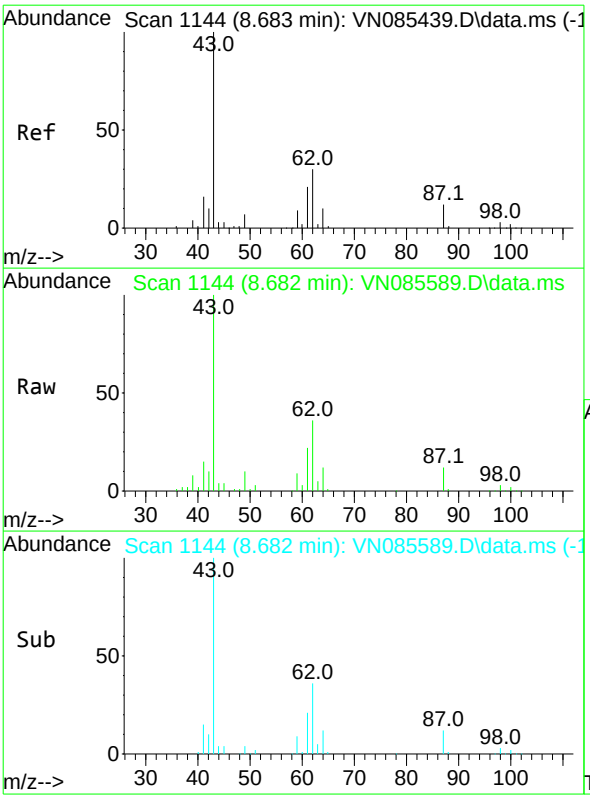


#42
1,2-Dichloroethane
Concen: 48.718 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion: 62 Resp: 180158

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.0





#43
Isopropyl Acetate
Concen: 55.903 ug/l
RT: 8.682 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

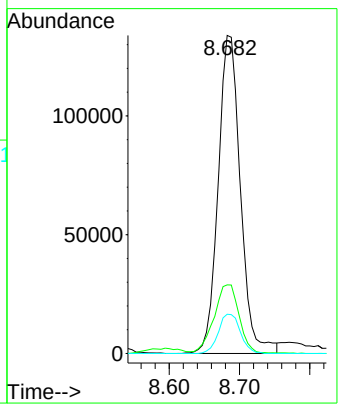
Tgt Ion: 43 Resp: 295453

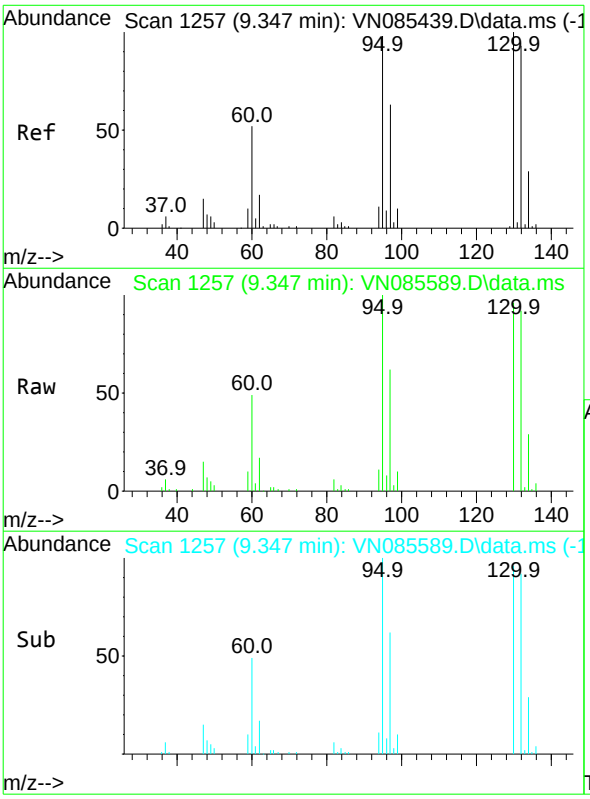
Ion	Ratio	Lower	Upper
43	100		
61	24.5	20.7	31.1
87	12.1	9.8	14.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

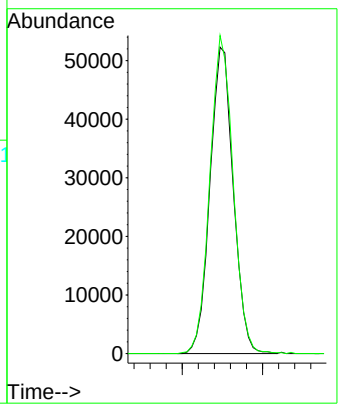


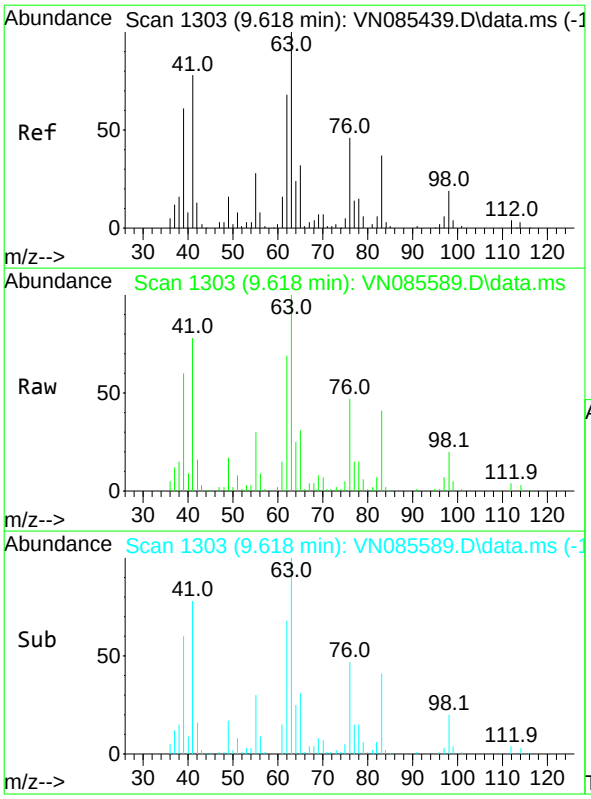


#44
Trichloroethene
Concen: 46.011 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion:130 Resp: 105161

Ion	Ratio	Lower	Upper
130	100		
95	103.8	0.0	195.8

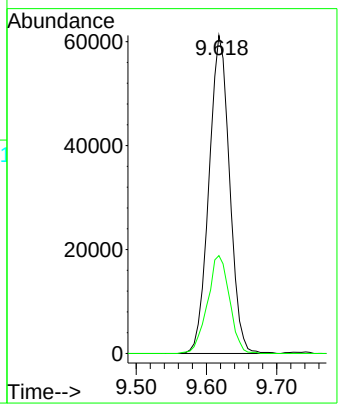




#45
1,2-Dichloropropane
Concen: 49.634 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion: 63 Resp: 124479

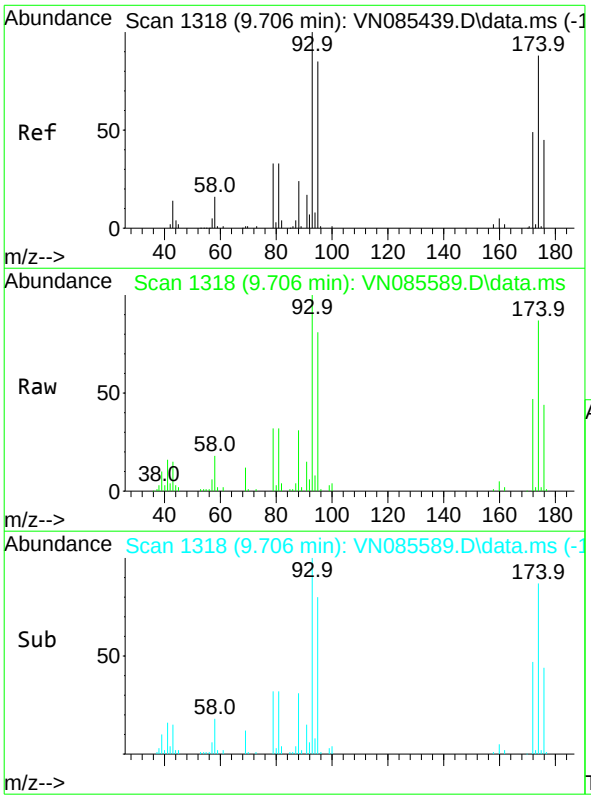
Ion	Ratio	Lower	Upper
63	100		
65	30.8	25.6	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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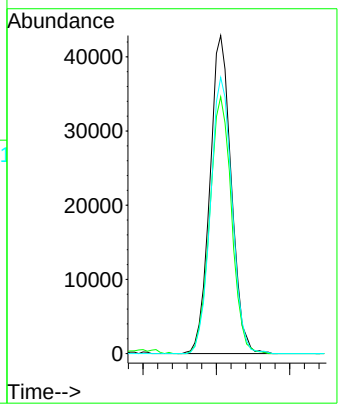
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

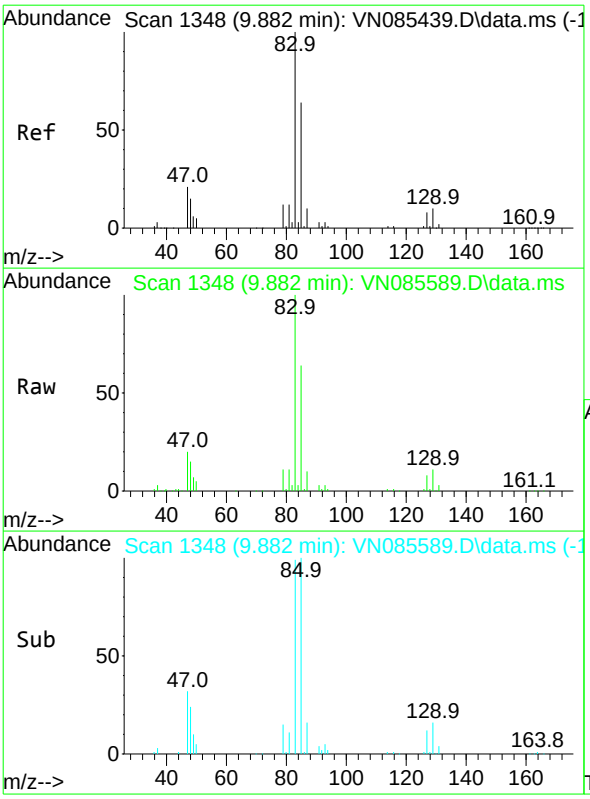


#46
Dibromomethane
Concen: 48.009 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion: 93 Resp: 86879

Ion	Ratio	Lower	Upper
93	100		
95	81.8	64.7	97.1
174	87.4	69.0	103.4

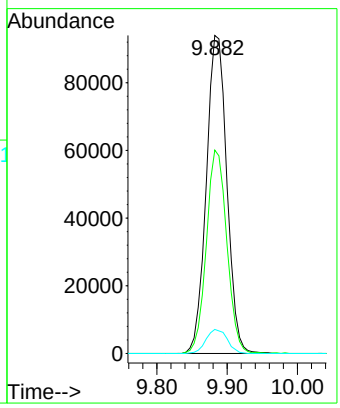




#47
Bromodichloromethane
Concen: 51.714 ug/l
RT: 9.882 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion: 83 Resp: 190657

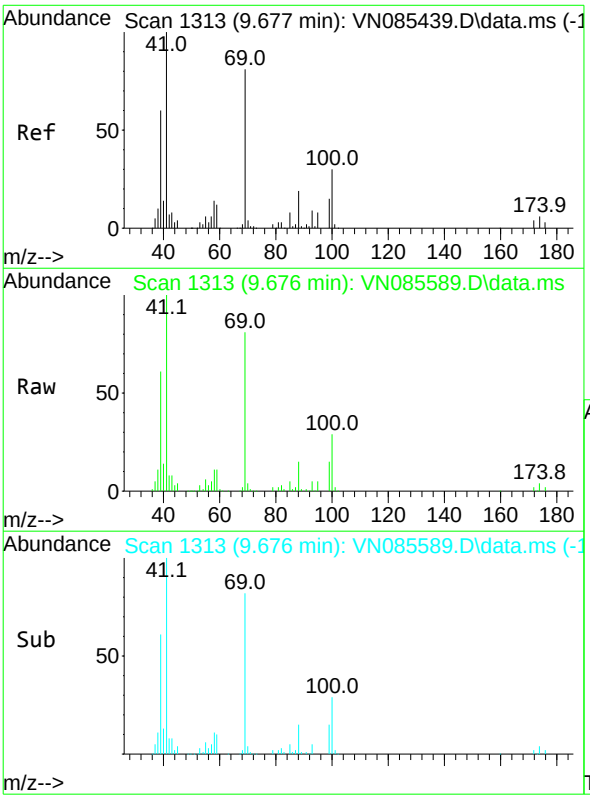
Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.2	76.8
127	7.6	6.5	9.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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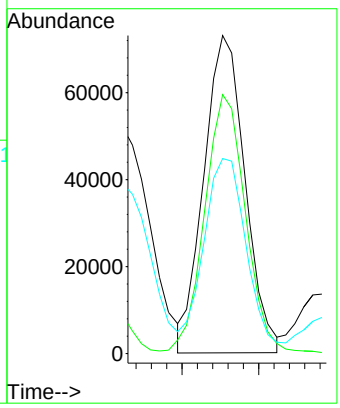
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

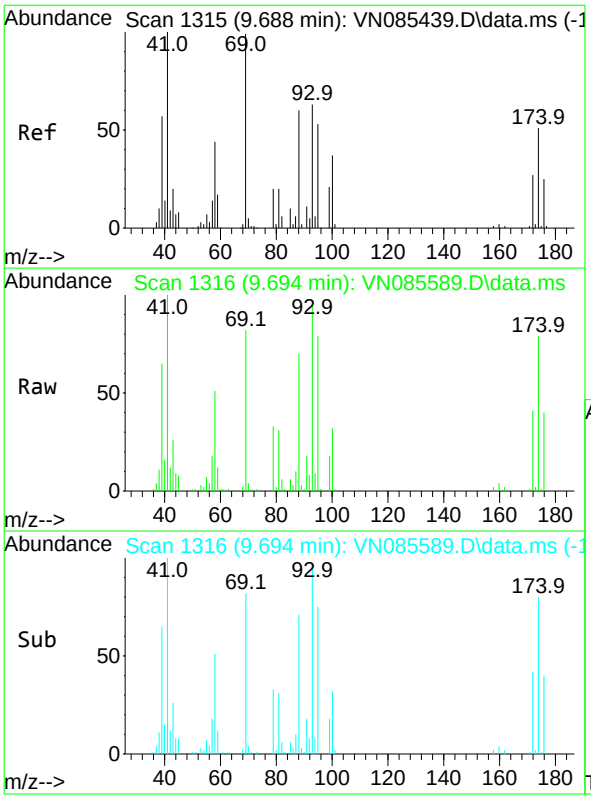


#48
Methyl methacrylate
Concen: 57.175 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.001 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion: 41 Resp: 135987

Ion	Ratio	Lower	Upper
41	100		
69	80.4	64.7	97.1
39	64.5	49.0	73.6

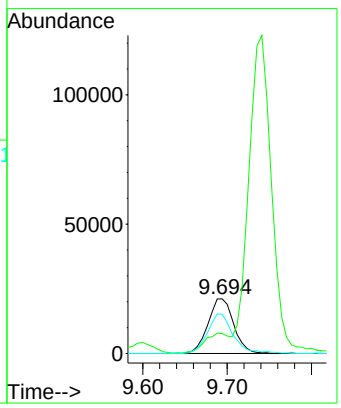




#49
1,4-Dioxane
Concen: 1115.842 ug/l
RT: 9.694 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion: 88 Resp: 44692

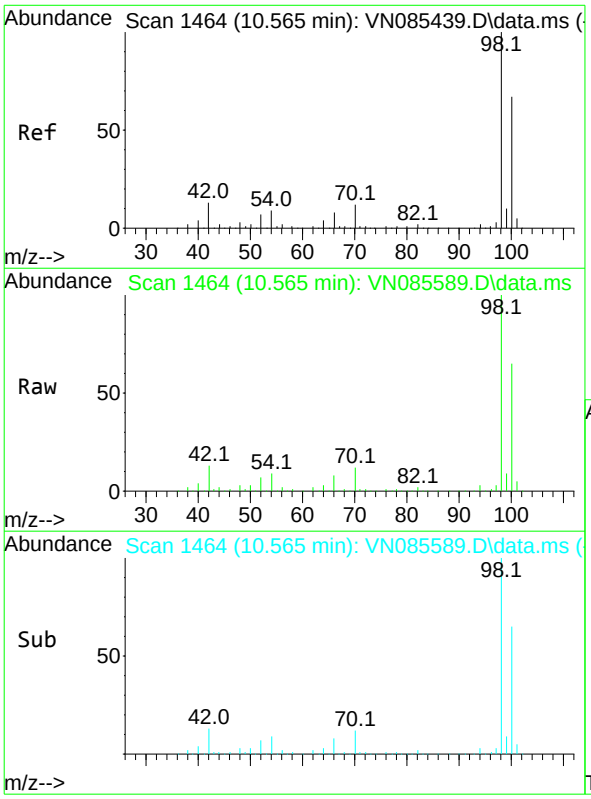
Ion	Ratio	Lower	Upper
88	100		
43	36.7	26.6	39.8
58	72.9	59.5	89.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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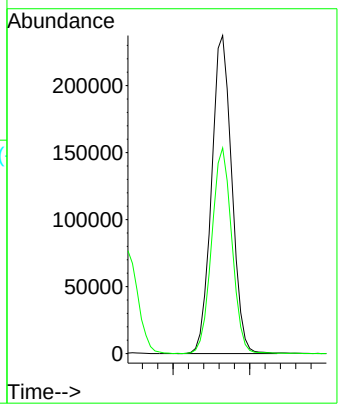
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

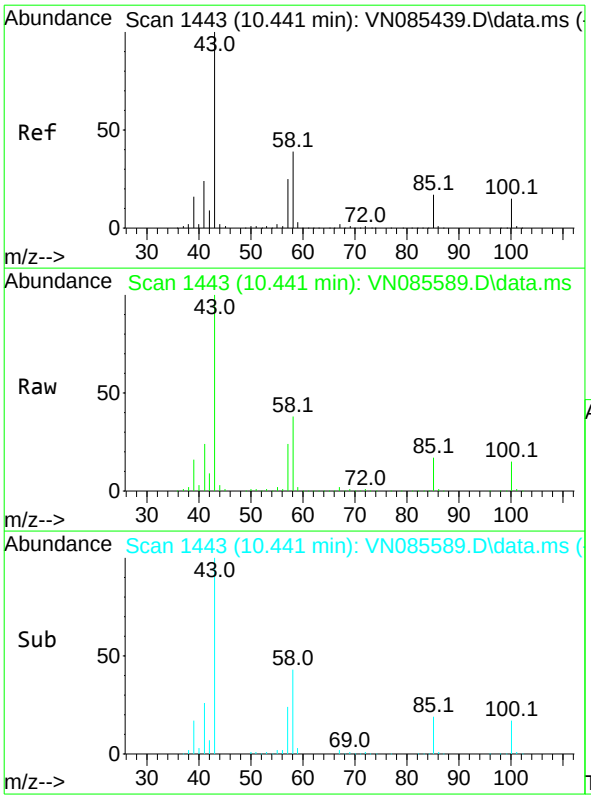


#50
Toluene-d8
Concen: 52.529 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion: 98 Resp: 434546

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.2	78.4





#51
4-Methyl-2-Pentanone
Concen: 291.772 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

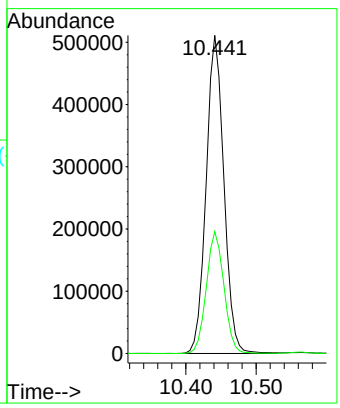
Tgt Ion: 43 Resp: 894830

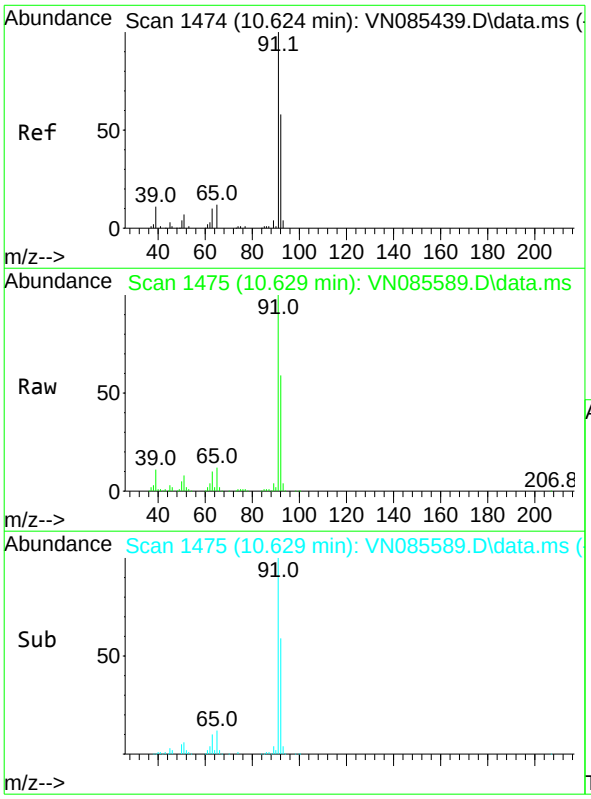
Ion	Ratio	Lower	Upper
43	100		
58	38.1	30.5	45.7

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

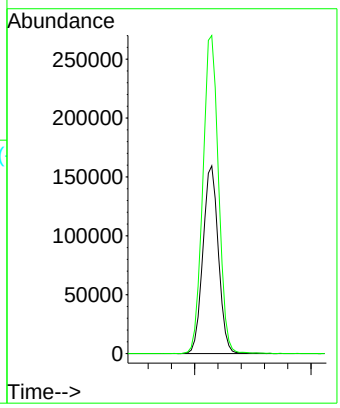


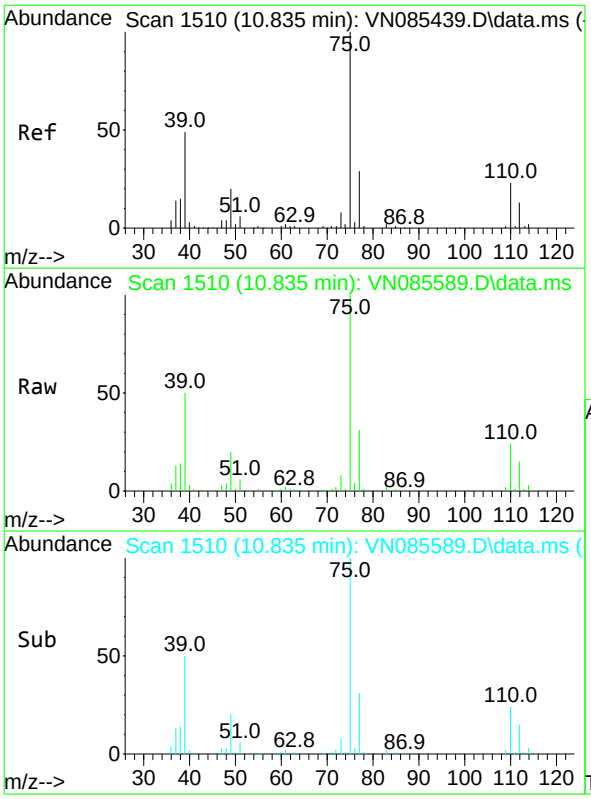


#52
Toluene
Concen: 51.578 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.005 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion: 92 Resp: 293434

Ion	Ratio	Lower	Upper
92	100		
91	172.3	139.2	208.8

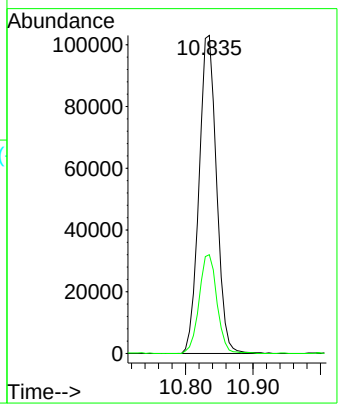




#53
t-1,3-Dichloropropene
Concen: 53.277 ug/l
RT: 10.835 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion: 75 Resp: 185623

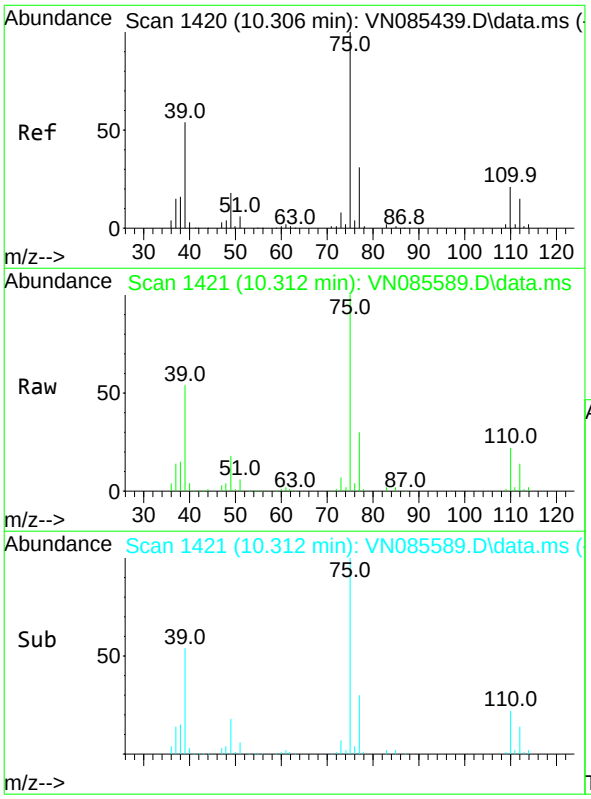
Ion	Ratio	Lower	Upper
75	100		
77	31.1	23.5	35.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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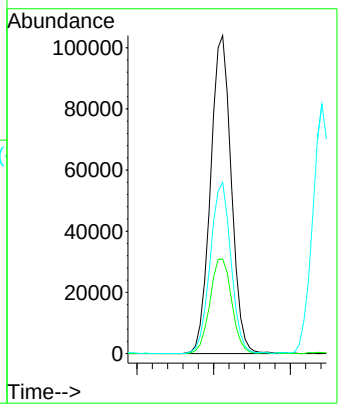
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

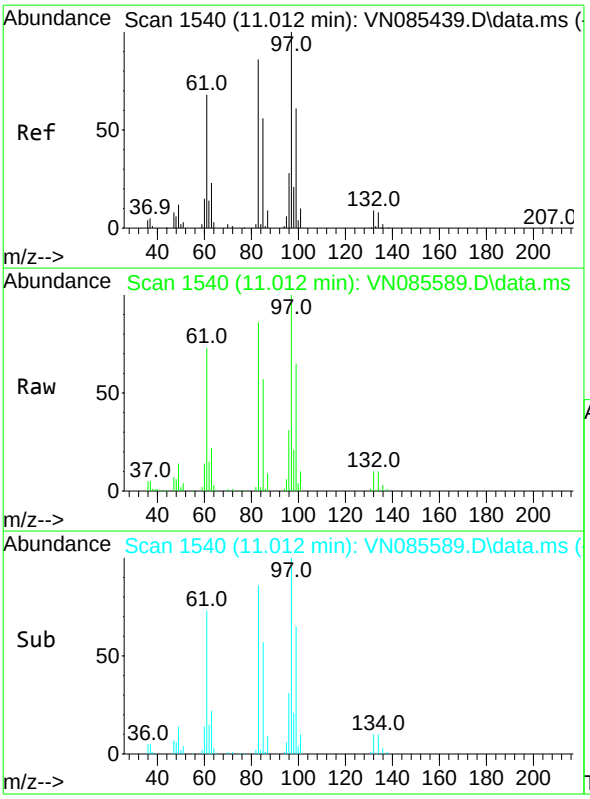


#54
cis-1,3-Dichloropropene
Concen: 52.519 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.006 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion: 75 Resp: 195455

Ion	Ratio	Lower	Upper
75	100		
77	29.7	25.0	37.4
39	53.9	43.1	64.7





#55
1,1,2-Trichloroethane
Concen: 51.501 ug/l
RT: 11.012 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

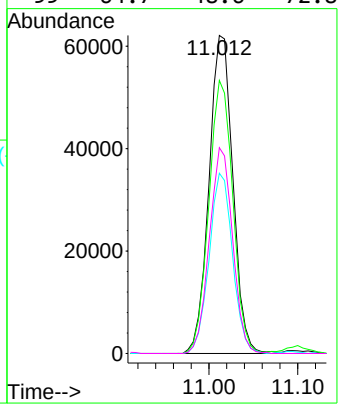
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

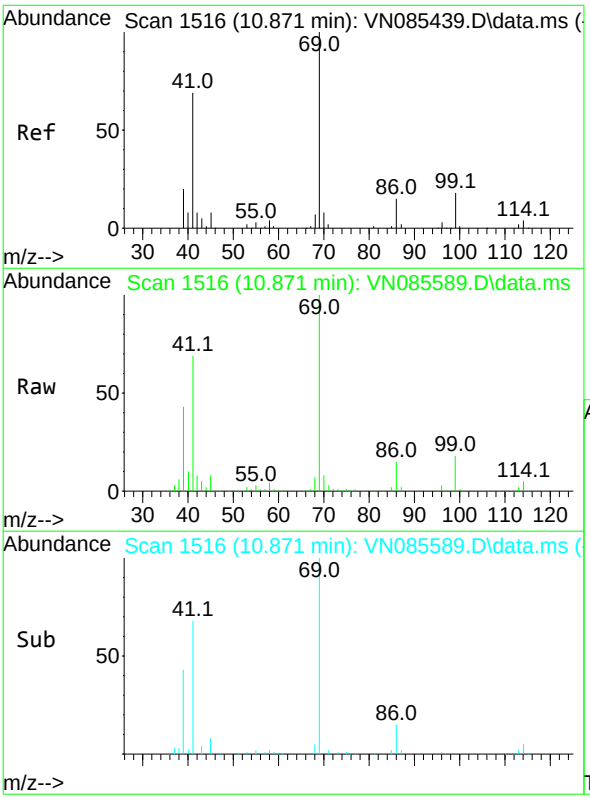
Tgt Ion: 97 Resp: 115952

Ion	Ratio	Lower	Upper
97	100		
83	85.9	69.0	103.6
85	56.7	44.6	66.8
99	64.7	48.6	72.8

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Supervised By :Semsettin Yesilyurt 01/31/2025

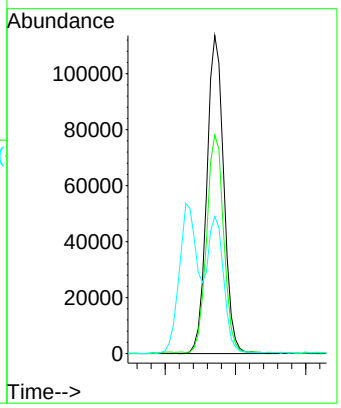


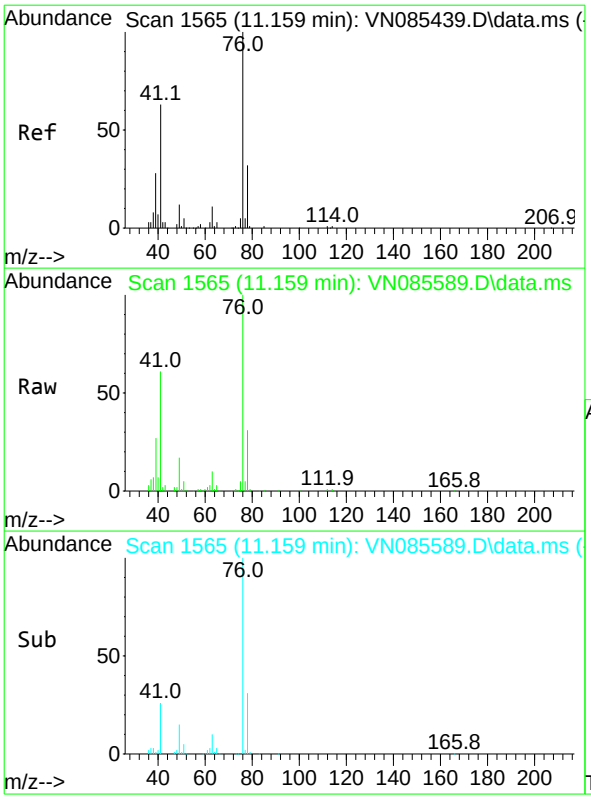


#56
Ethyl methacrylate
Concen: 50.062 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion: 69 Resp: 189877

Ion	Ratio	Lower	Upper
69	100		
41	68.8	54.6	82.0
39	40.5	32.4	48.6





#57
1,3-Dichloropropane
Concen: 52.723 ug/l
RT: 11.159 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

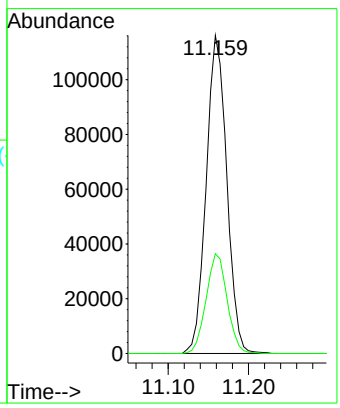
Tgt Ion: 76 Resp: 206402

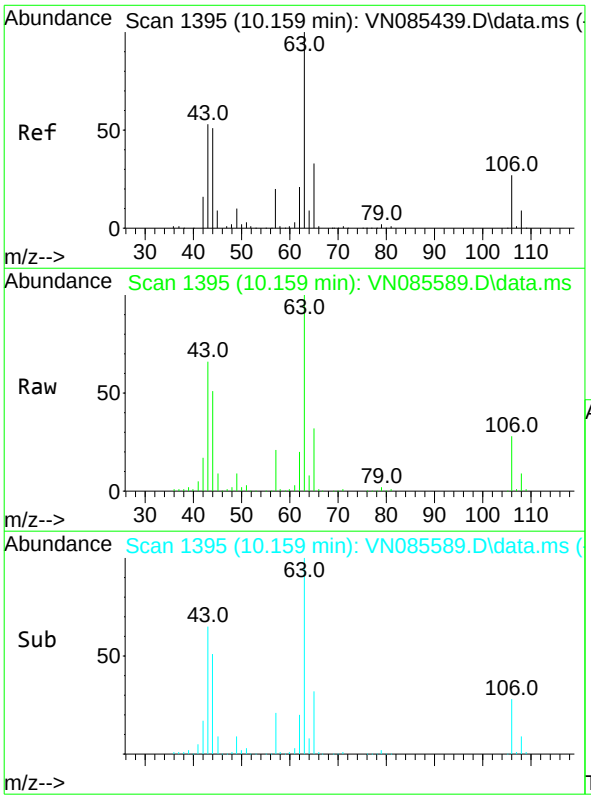
Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.6	38.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

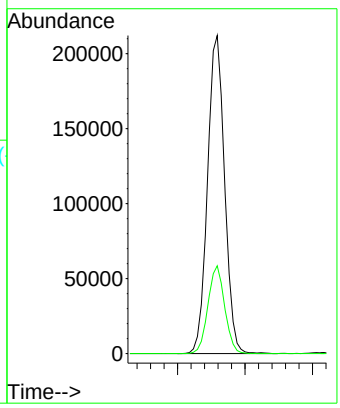


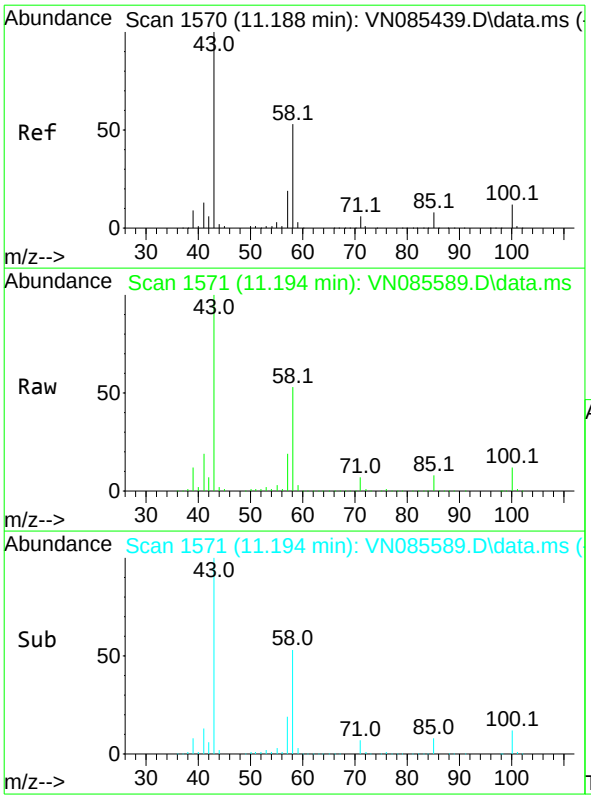


#58
2-Chloroethyl Vinyl ether
Concen: 260.567 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion: 63 Resp: 372287

Ion	Ratio	Lower	Upper
63	100		
106	27.0	21.6	32.4





#59
2-Hexanone
Concen: 300.823 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

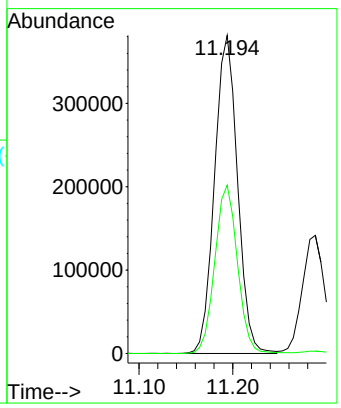
Tgt Ion: 43 Resp: 649161

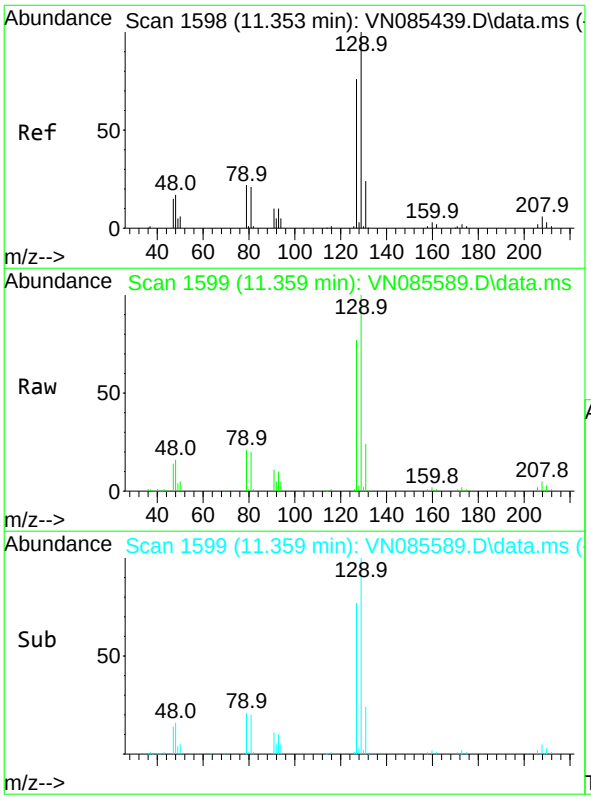
Ion	Ratio	Lower	Upper
43	100		
58	52.1	26.2	78.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

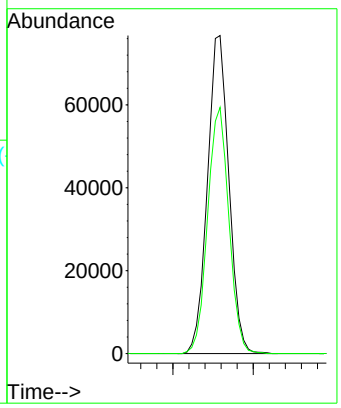


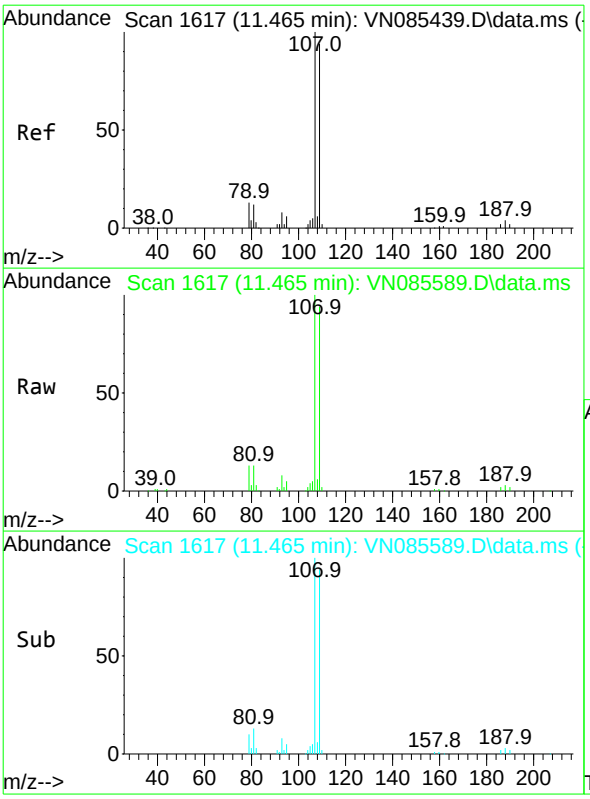


#60
Dibromochloromethane
Concen: 52.438 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion:129 Resp: 142533

Ion	Ratio	Lower	Upper
129	100		
127	76.6	38.6	115.8





#61
1,2-Dibromoethane
Concen: 51.076 ug/l
RT: 11.465 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

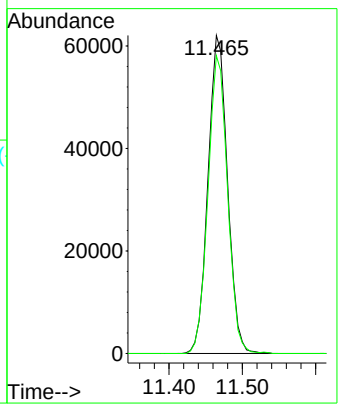
Tgt Ion:107 Resp: 114468

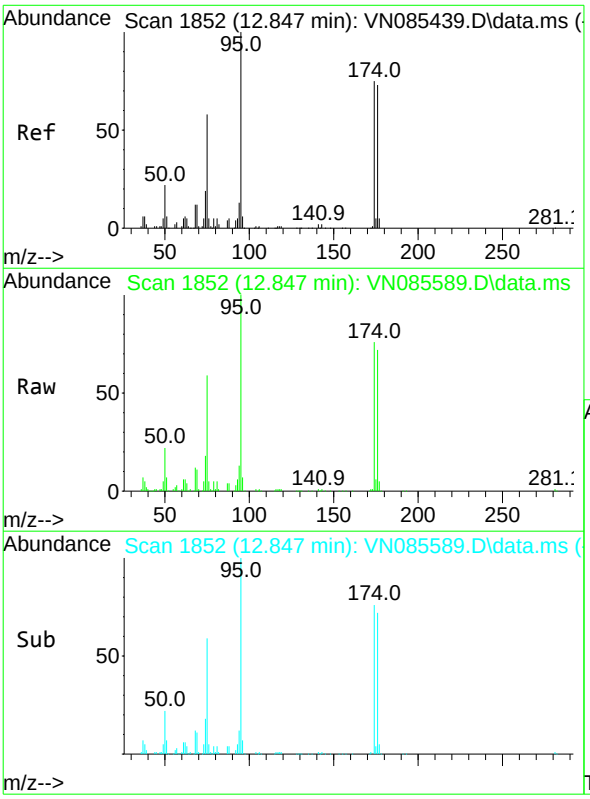
Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.9	113.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

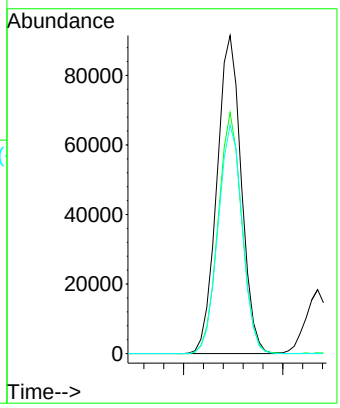


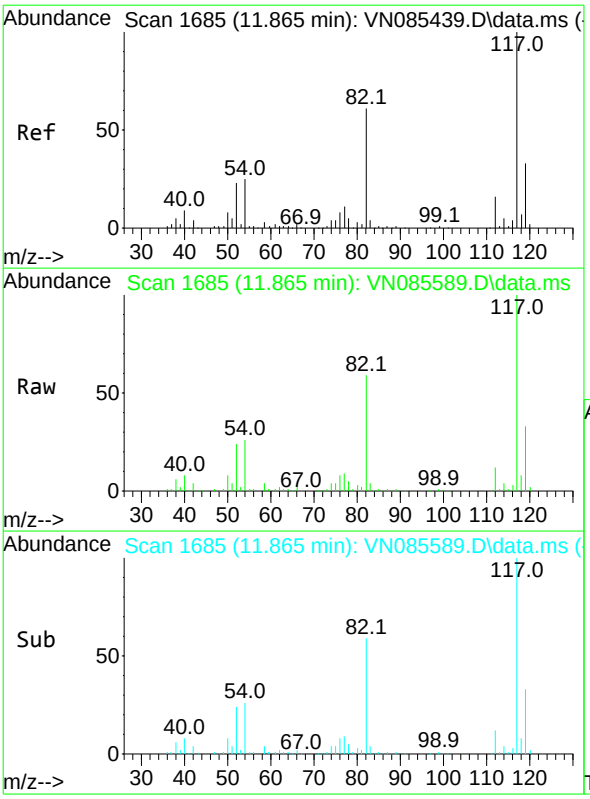


#62
4-Bromofluorobenzene
Concen: 55.135 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion: 95 Resp: 156024

Ion	Ratio	Lower	Upper
95	100		
174	73.5	0.0	145.0
176	71.6	0.0	142.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

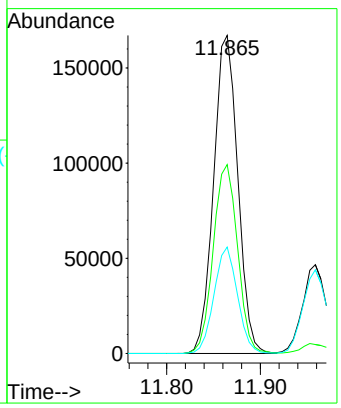
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

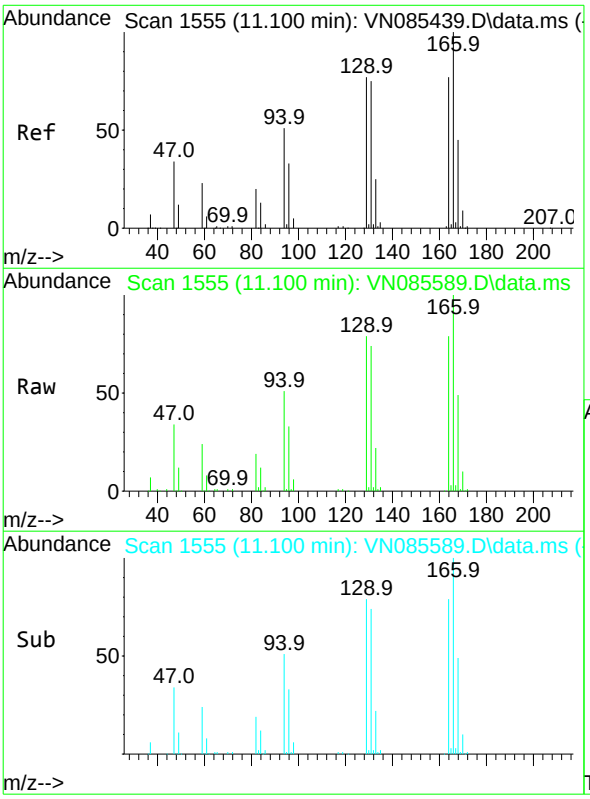
Tgt Ion:117 Resp: 299857

Ion	Ratio	Lower	Upper
117	100		
82	59.4	48.6	72.8
119	33.5	26.6	39.8

Manual Integrations
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Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

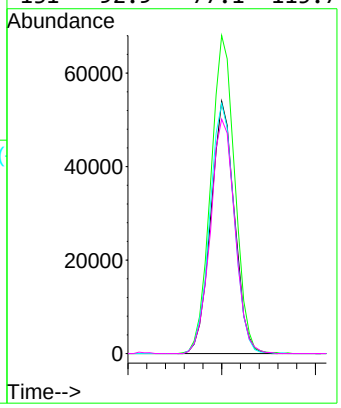


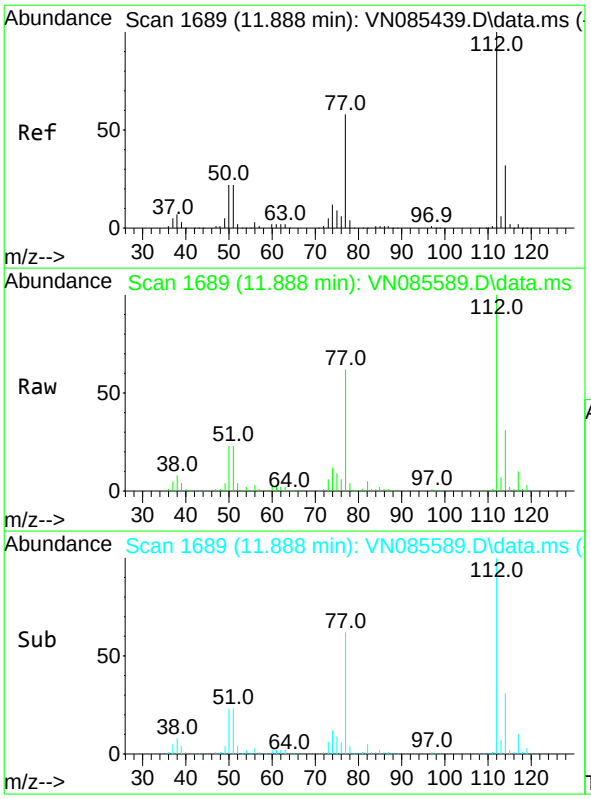


#64
Tetrachloroethene
Concen: 46.147 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion:164 Resp: 94335

Ion	Ratio	Lower	Upper
164	100		
166	126.0	103.4	155.2
129	99.1	79.2	118.8
131	92.9	77.1	115.7

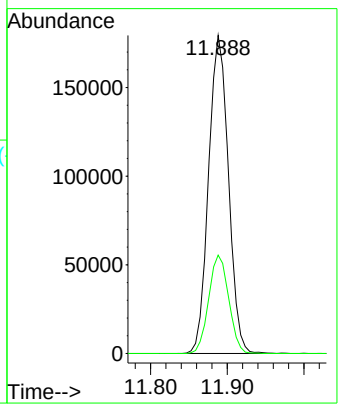




#65
Chlorobenzene
Concen: 49.111 ug/l
RT: 11.888 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion:112 Resp: 322603

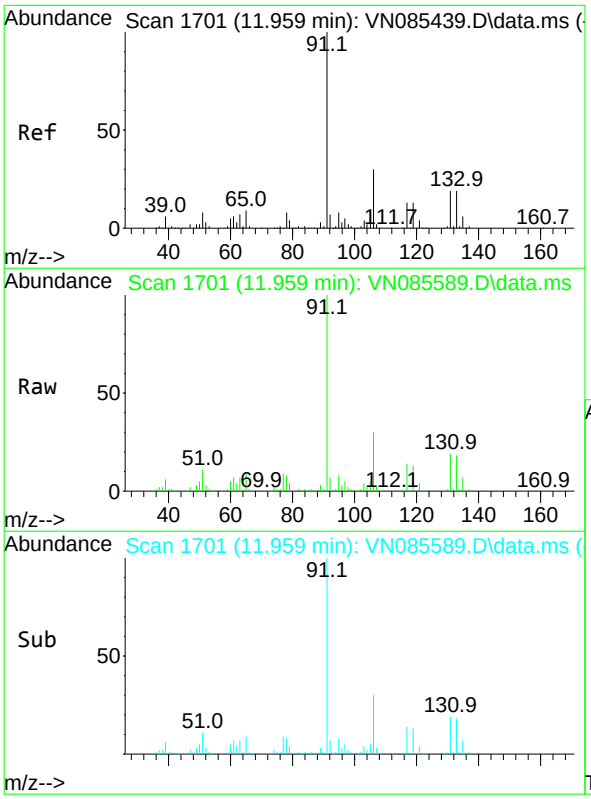
Ion	Ratio	Lower	Upper
112	100		
114	30.9	25.3	37.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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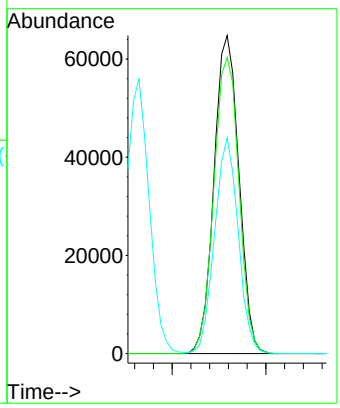
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

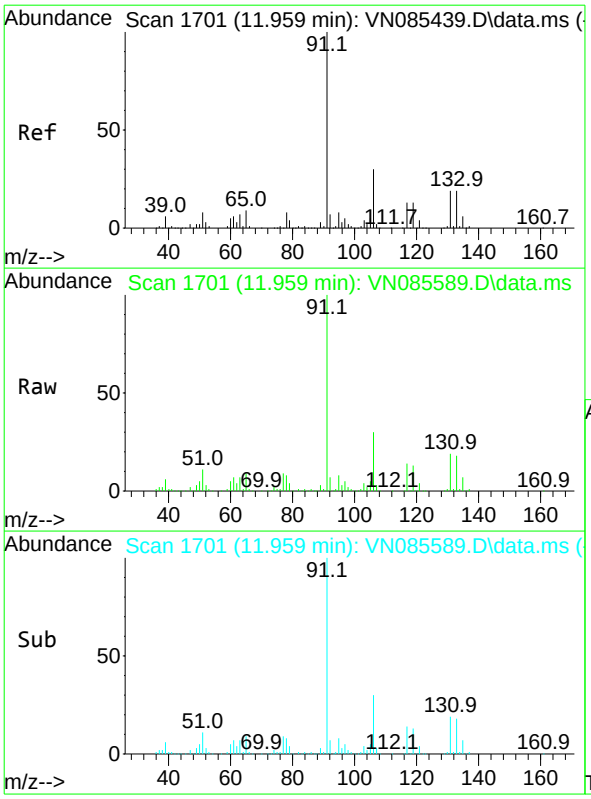


#66
1,1,1,2-Tetrachloroethane
Concen: 49.597 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion:131 Resp: 119573

Ion	Ratio	Lower	Upper
131	100		
133	93.8	47.4	142.3
119	64.4	33.1	99.5

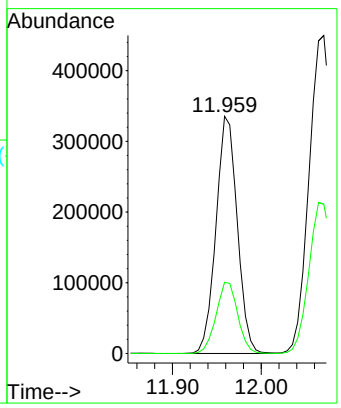




#67
Ethyl Benzene
Concen: 52.224 ug/l
RT: 11.959 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion: 91 Resp: 558745

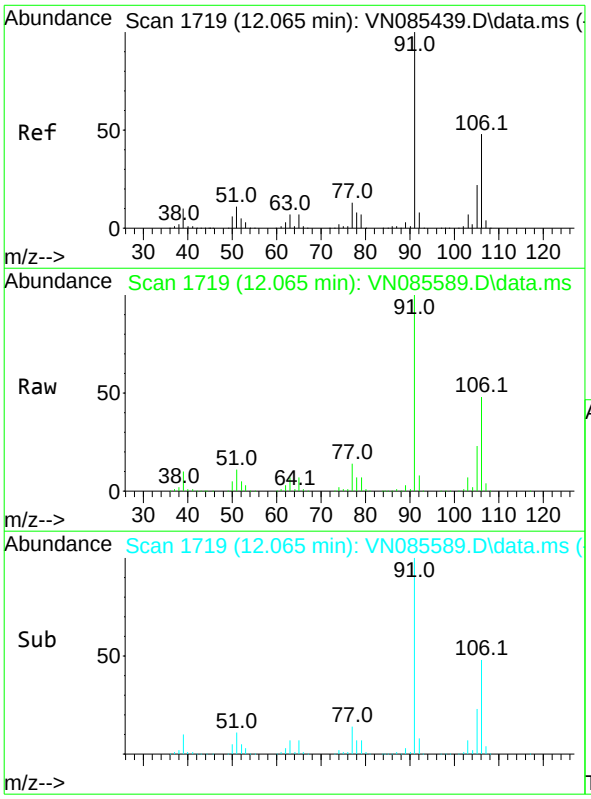
Ion	Ratio	Lower	Upper
91	100		
106	30.0	23.8	35.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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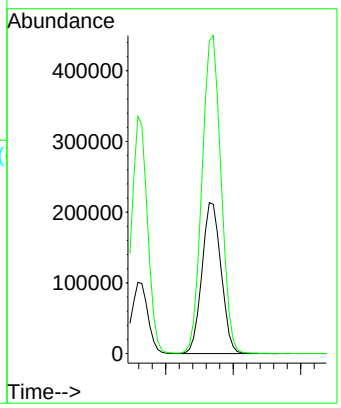
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

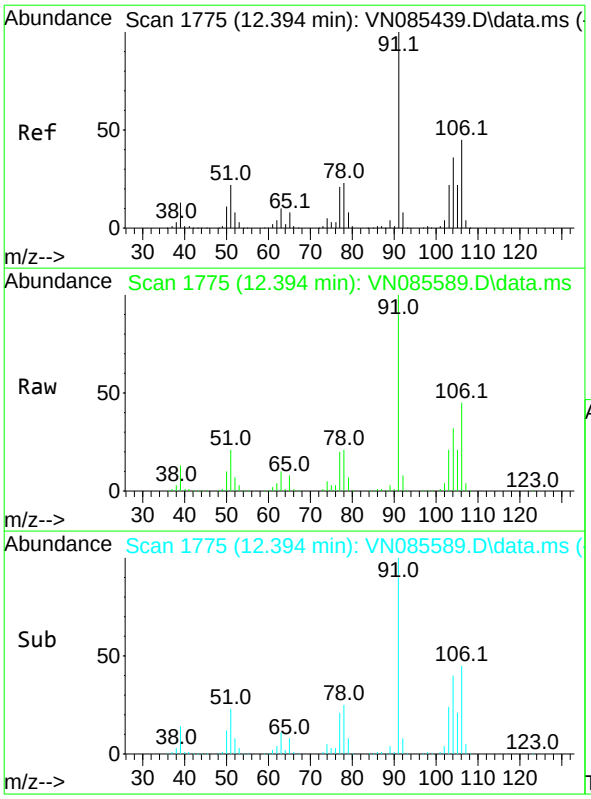


#68
m/p-Xylenes
Concen: 106.156 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion:106 Resp: 419759

Ion	Ratio	Lower	Upper
106	100		
91	209.8	167.7	251.5





#69
o-Xylene
Concen: 53.912 ug/l
RT: 12.394 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

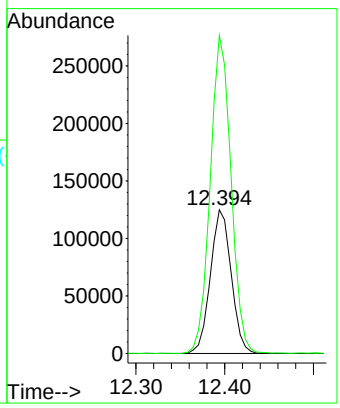
Tgt Ion:106 Resp: 203725

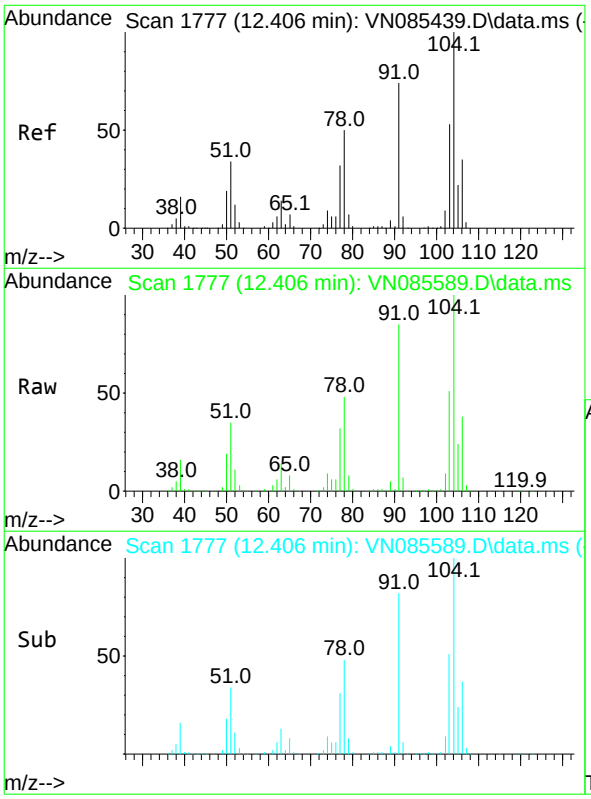
Ion	Ratio	Lower	Upper
106	100		
91	221.8	110.4	331.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

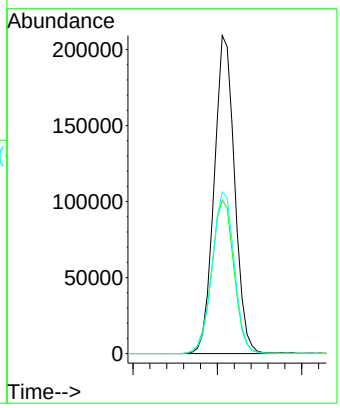


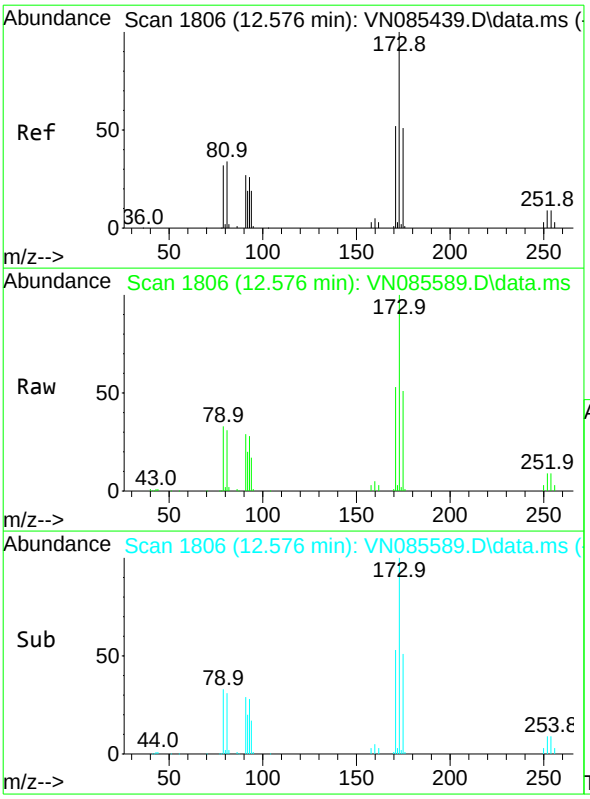


#70
Styrene
Concen: 56.360 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion:104 Resp: 352471

Ion	Ratio	Lower	Upper
104	100		
78	52.8	42.5	63.7
103	54.9	43.8	65.8





#71
Bromoform
Concen: 54.197 ug/l
RT: 12.576 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

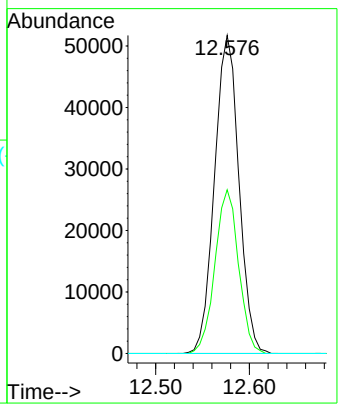
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

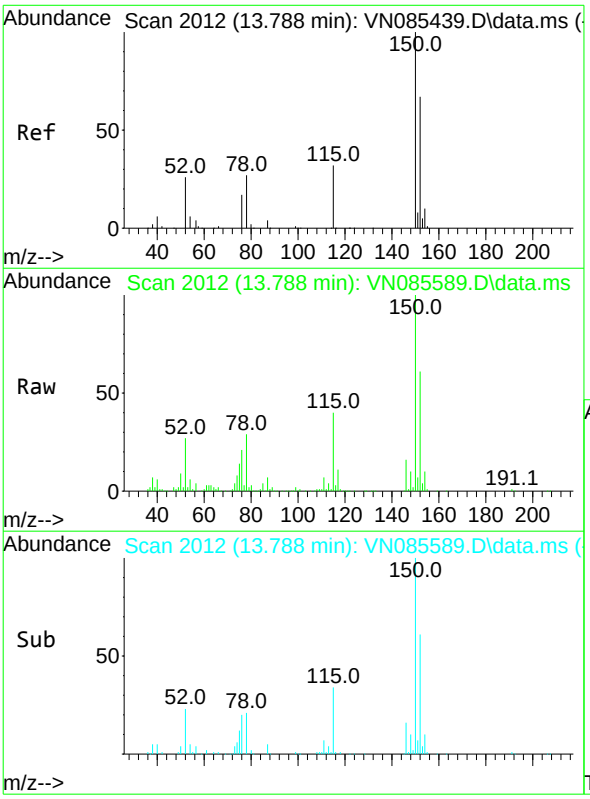
Tgt Ion:173 Resp: 93492

Ion	Ratio	Lower	Upper
173	100		
175	49.9	24.4	73.2
254	0.0	0.0	0.0

Manual Integrations
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Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

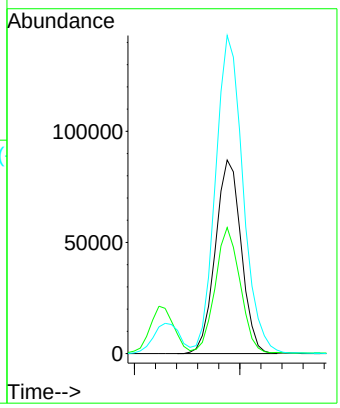


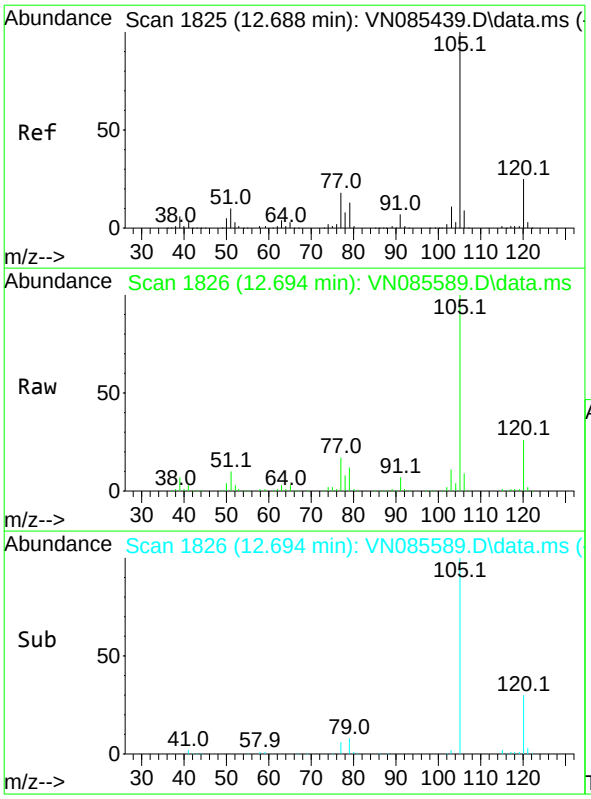


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion:152 Resp: 148704

Ion	Ratio	Lower	Upper
152	100		
115	62.9	31.1	93.3
150	175.1	0.0	343.6





#73
Isopropylbenzene
Concen: 52.104 ug/l
RT: 12.694 min Scan# 18
Delta R.T. 0.006 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

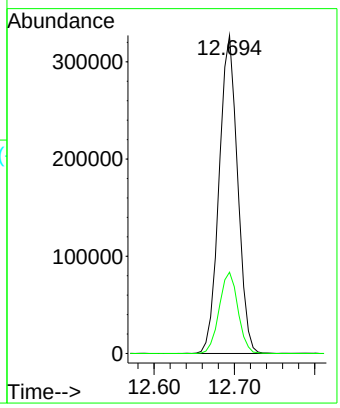
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

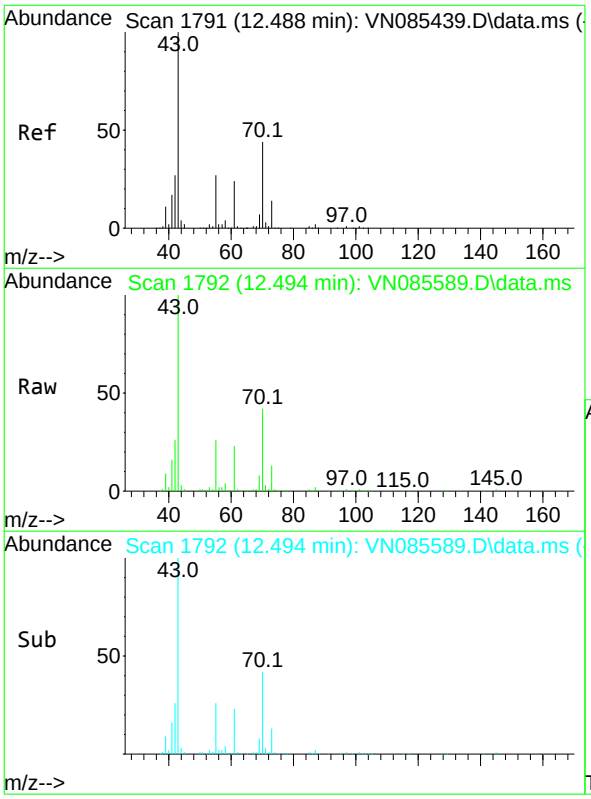
Tgt Ion:105 Resp: 522932

Ion	Ratio	Lower	Upper
105	100		
120	25.9	12.8	38.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

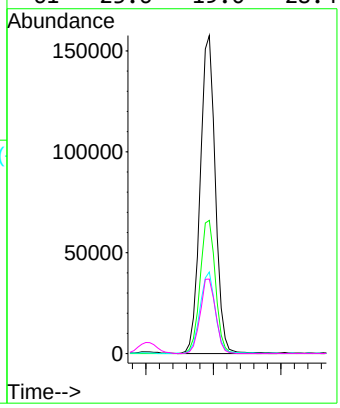


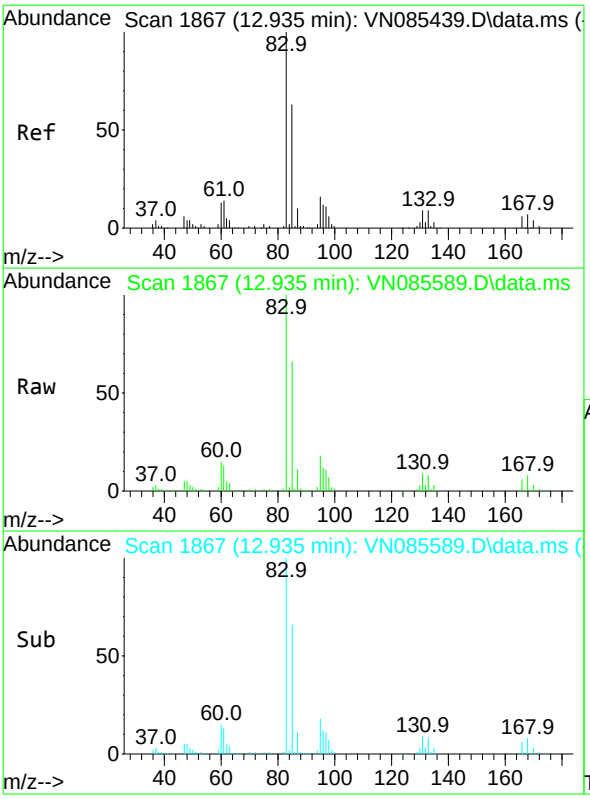


#74
N-amyl acetate
Concen: 54.507 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion: 43 Resp: 245884

Ion	Ratio	Lower	Upper
43	100		
70	42.4	34.0	51.0
55	26.0	21.4	32.2
61	23.6	19.0	28.4





#75
1,1,2,2-Tetrachloroethane
Concen: 49.536 ug/l
RT: 12.935 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

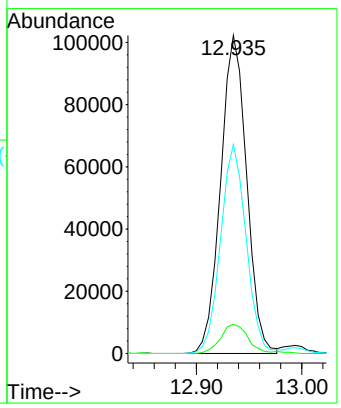
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

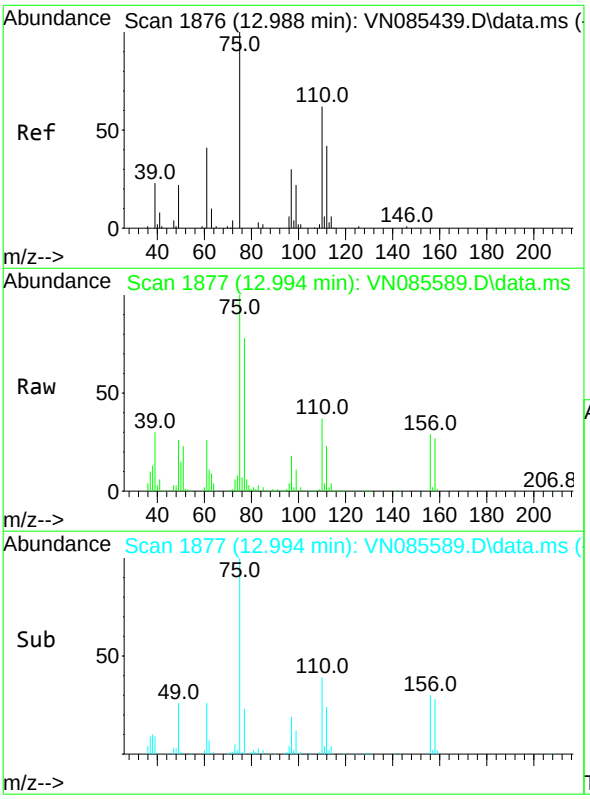
Tgt Ion: 83 Resp: 175616

Ion	Ratio	Lower	Upper
83	100		
131	9.9	4.8	14.4
85	64.7	32.2	96.6

Manual Integrations
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Supervised By :Semsettin Yesilyurt 01/31/2025

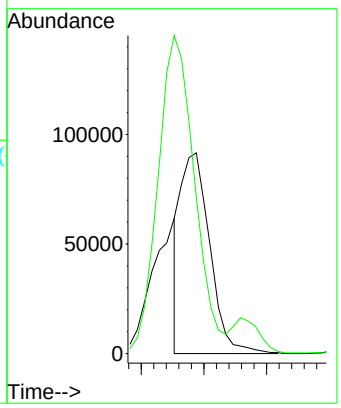


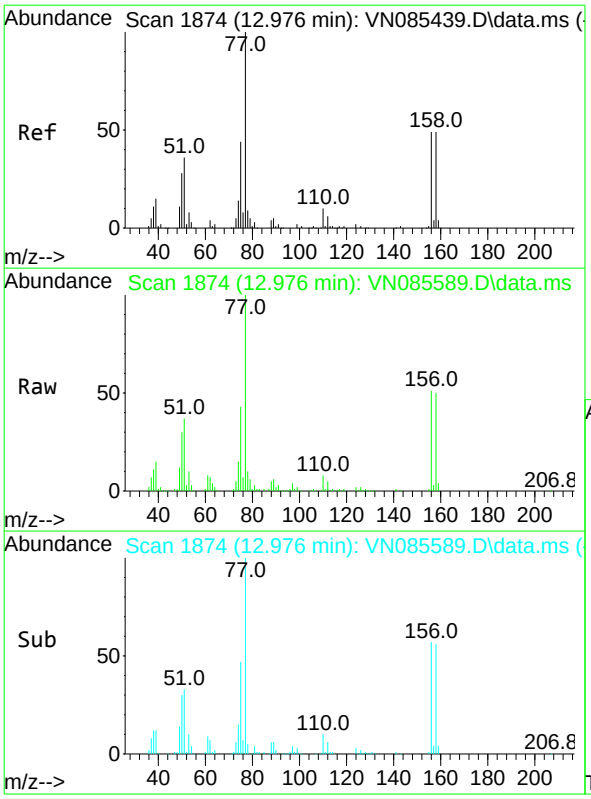


#76
1,2,3-Trichloropropane
Concen: 48.878 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion: 75 Resp: 147731

Ion	Ratio	Lower	Upper
75	100		
77	199.8	109.7	329.2

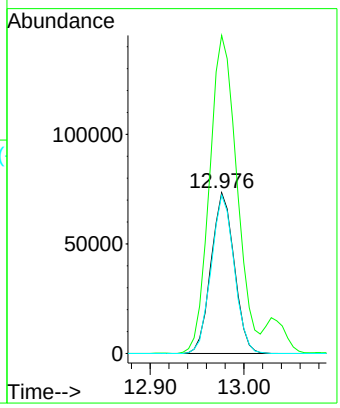




#77
Bromobenzene
Concen: 48.107 ug/l
RT: 12.976 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion:156 Resp: 126143

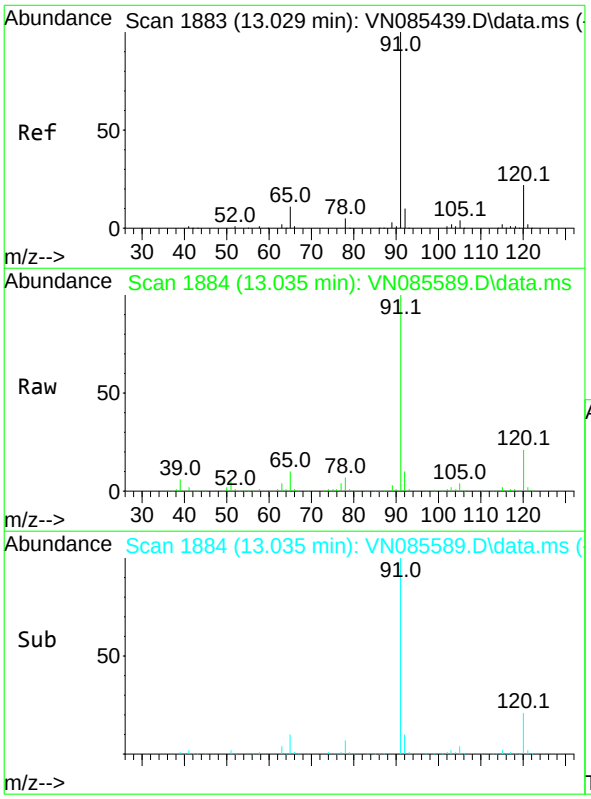
Ion	Ratio	Lower	Upper
156	100		
77	234.0	114.1	342.4
158	97.7	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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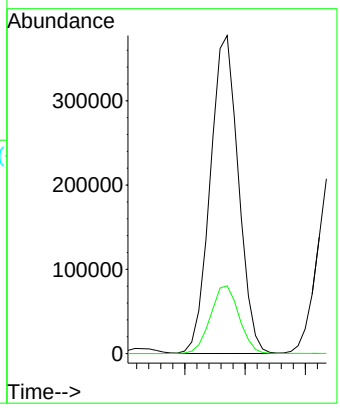
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

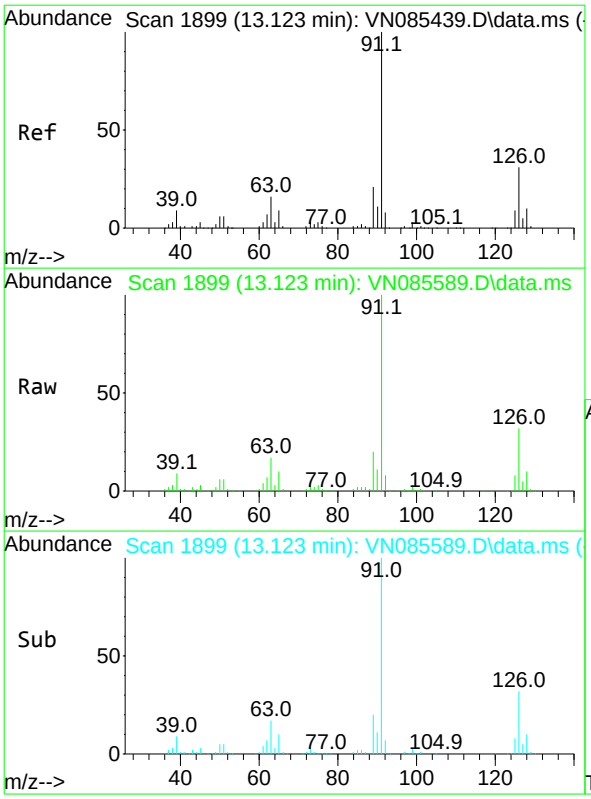


#78
n-propylbenzene
Concen: 51.600 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.006 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion: 91 Resp: 613075

Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.9	32.6

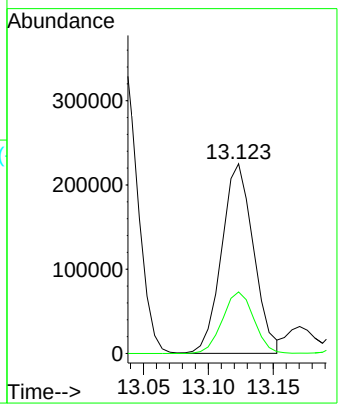




#79
2-Chlorotoluene
Concen: 50.064 ug/l
RT: 13.123 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion: 91 Resp: 384964

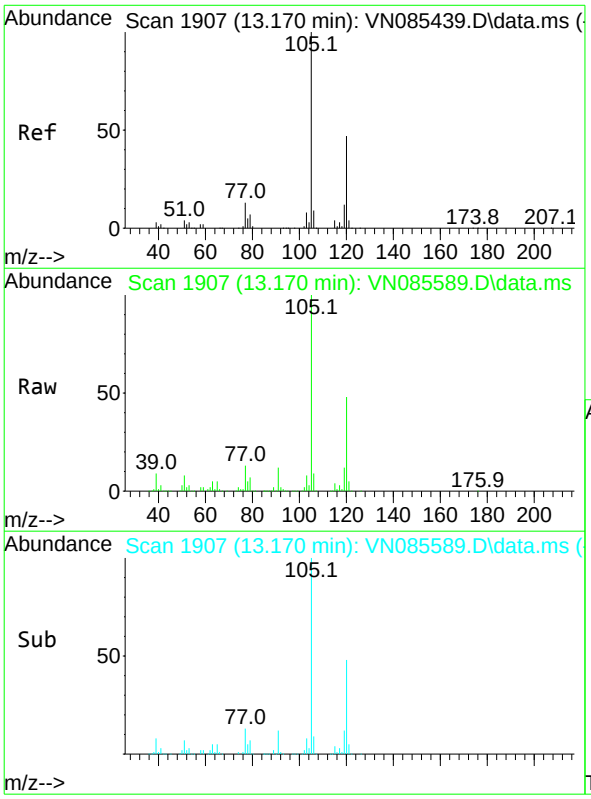
Ion	Ratio	Lower	Upper
91	100		
126	32.0	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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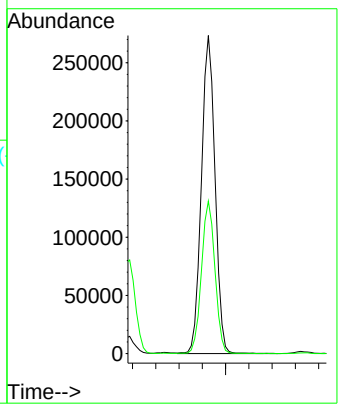
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

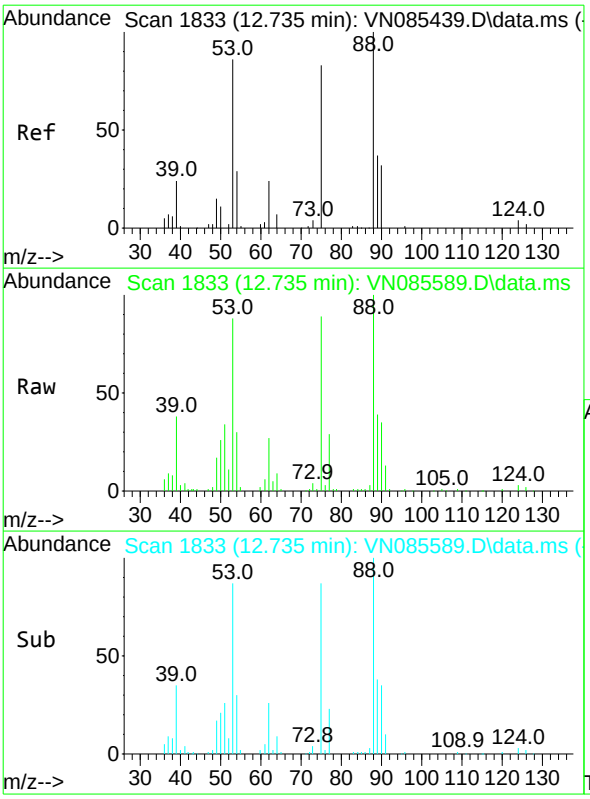


#80
1,3,5-Trimethylbenzene
Concen: 53.624 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion:105 Resp: 444548

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.9	71.7





#81
trans-1,4-Dichloro-2-butene
Concen: 54.771 ug/l
RT: 12.735 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

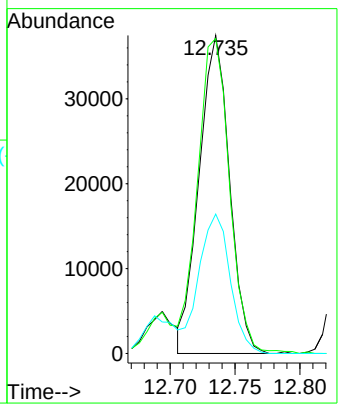
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

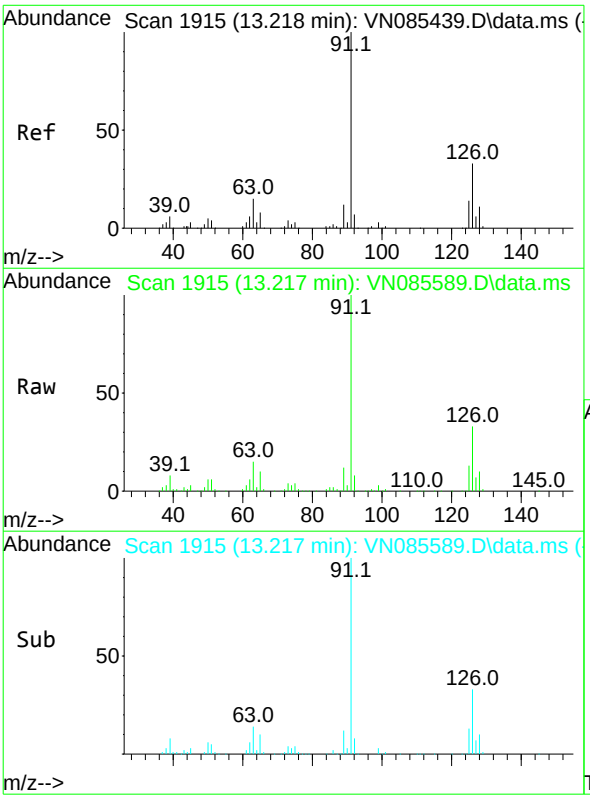
Tgt Ion: 75 Resp: 61186

Ion	Ratio	Lower	Upper
75	100		
53	103.9	95.6	143.4
89	45.5	37.0	55.6

Manual Integrations
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Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

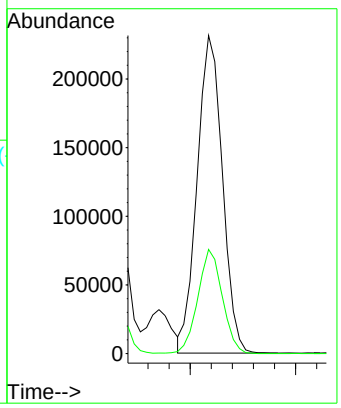


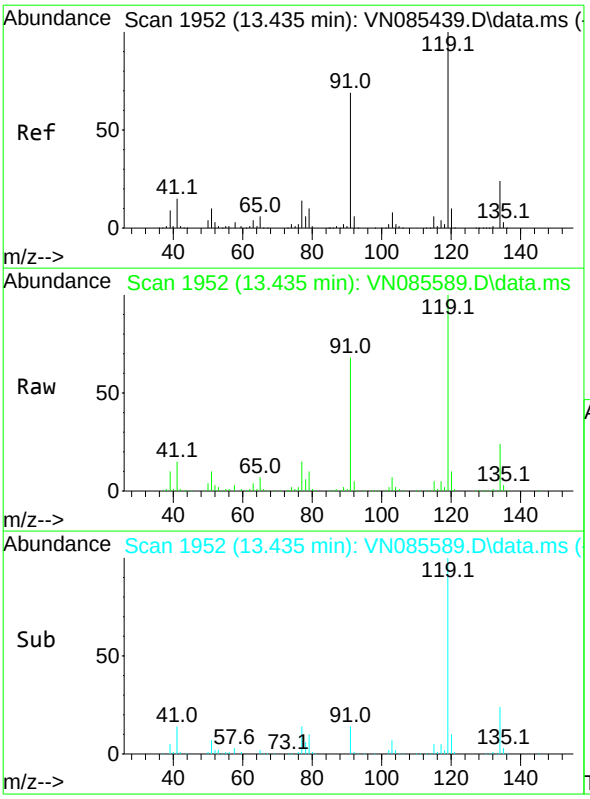


#82
4-Chlorotoluene
Concen: 50.271 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion: 91 Resp: 384892

Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.9	47.7

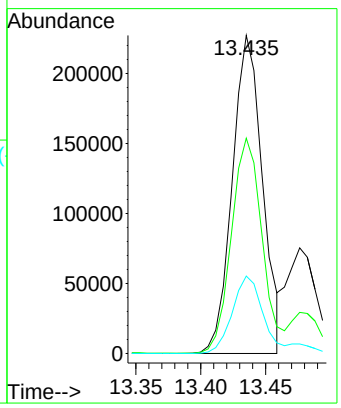




#83
tert-Butylbenzene
Concen: 52.829 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion:119 Resp: 367782

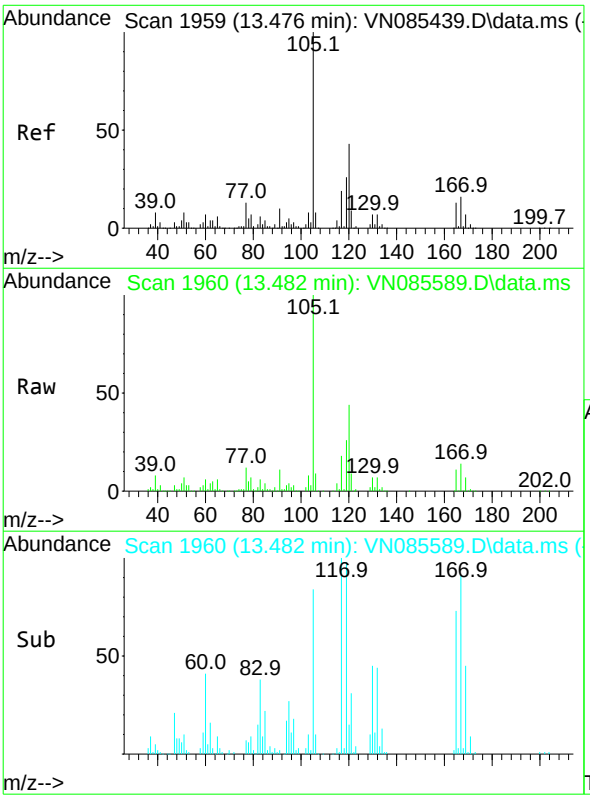
Ion	Ratio	Lower	Upper
119	100		
91	69.0	35.1	105.3
134	24.5	12.0	36.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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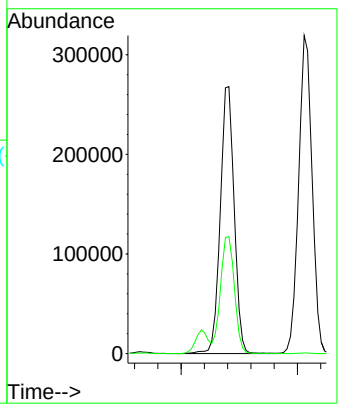
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

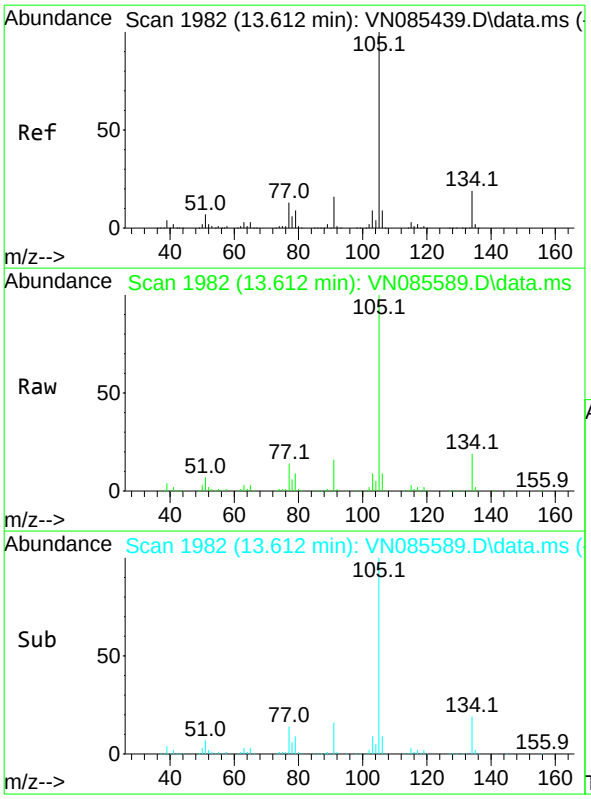


#84
1,2,4-Trimethylbenzene
Concen: 53.867 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion:105 Resp: 445077

Ion	Ratio	Lower	Upper
105	100		
120	43.7	21.6	65.0





#85
sec-Butylbenzene
Concen: 52.984 ug/l
RT: 13.612 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

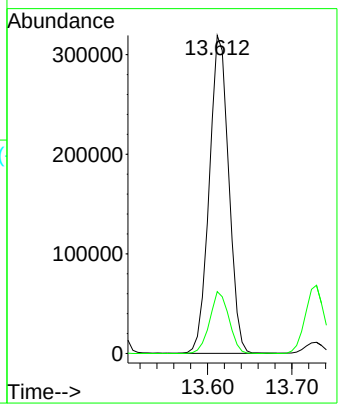
Tgt Ion:105 Resp: 511233

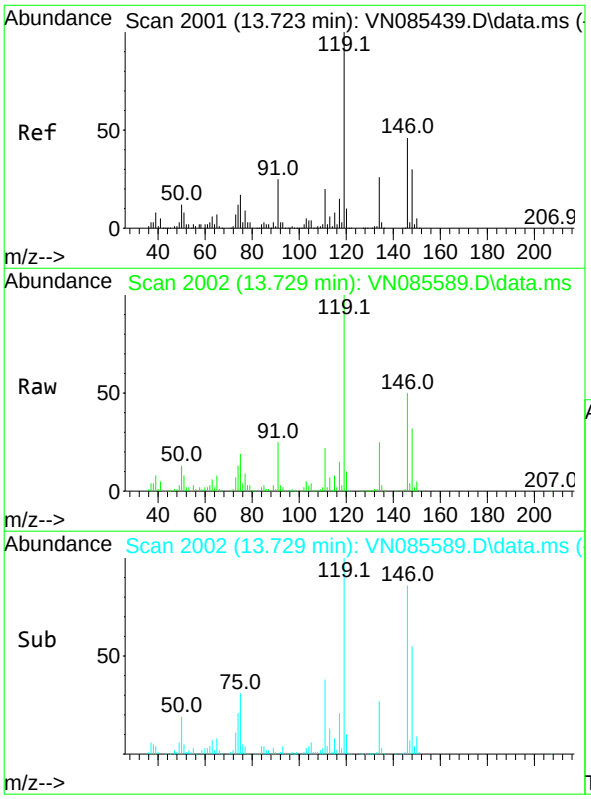
Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.7	28.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

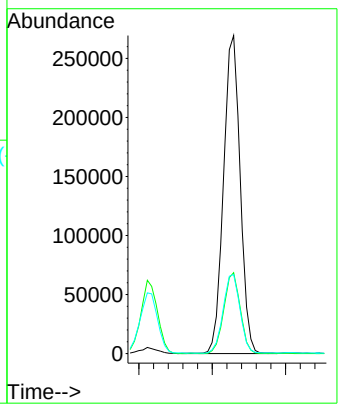


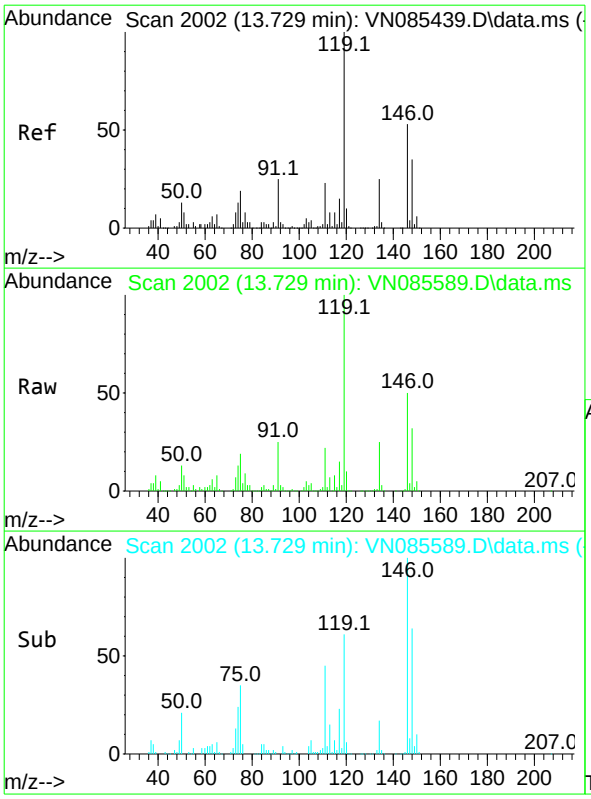


#86
p-Isopropyltoluene
Concen: 49.070 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion:119 Resp: 425364

Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.7	38.0
91	25.1	12.7	38.1

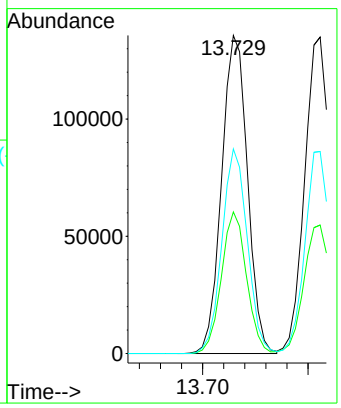




#87
1,3-Dichlorobenzene
Concen: 47.888 ug/l
RT: 13.729 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion:146 Resp: 231245

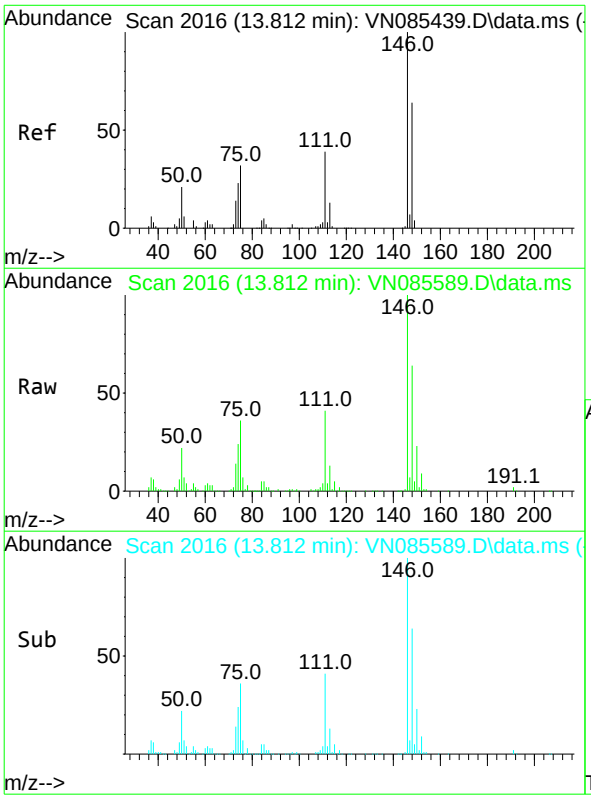
Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.4	64.3
148	63.3	32.3	96.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

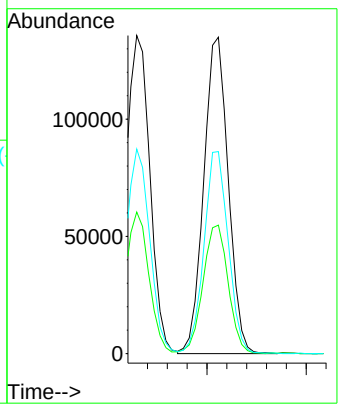
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

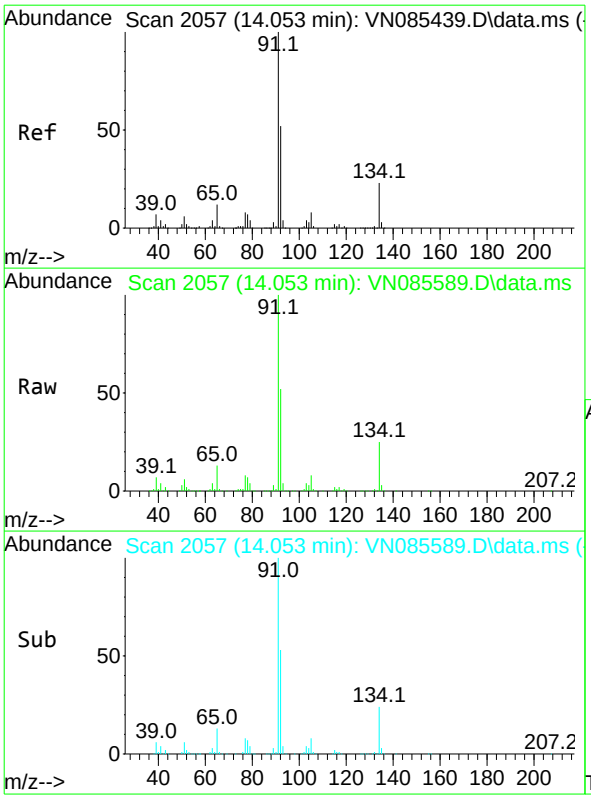


#88
1,4-Dichlorobenzene
Concen: 46.314 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion:146 Resp: 231814

Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.3	63.7
148	63.2	32.4	97.0

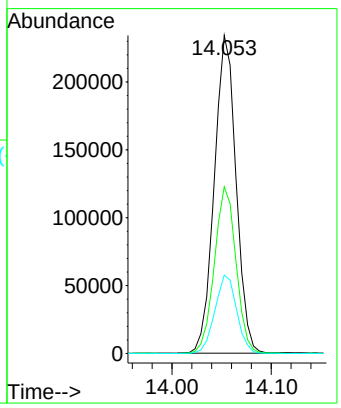




#89
n-Butylbenzene
Concen: 51.554 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion: 91 Resp: 356860

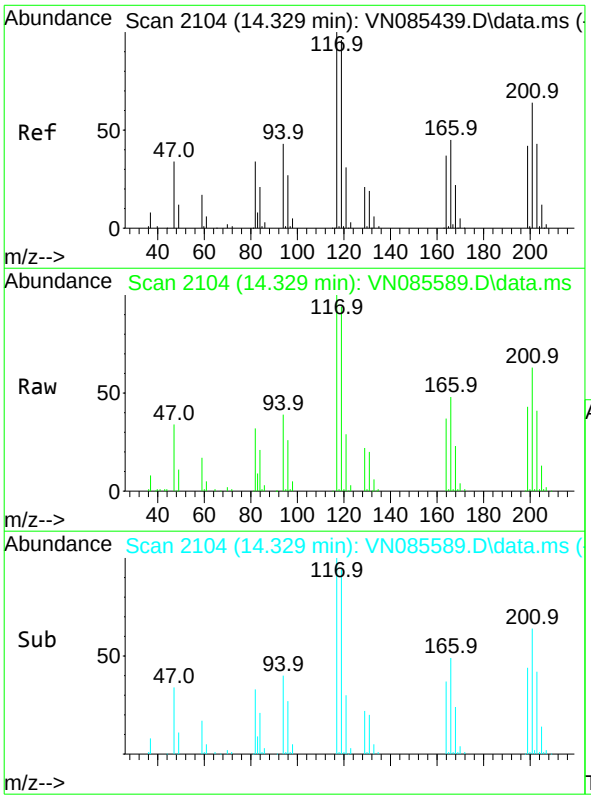
Ion	Ratio	Lower	Upper
91	100		
92	52.2	25.8	77.3
134	24.8	11.7	35.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

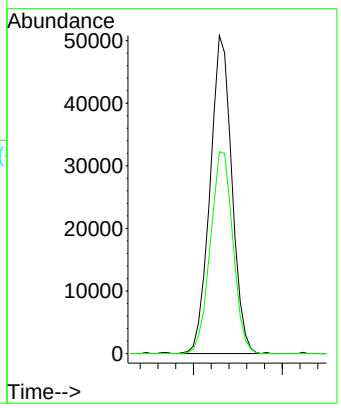
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

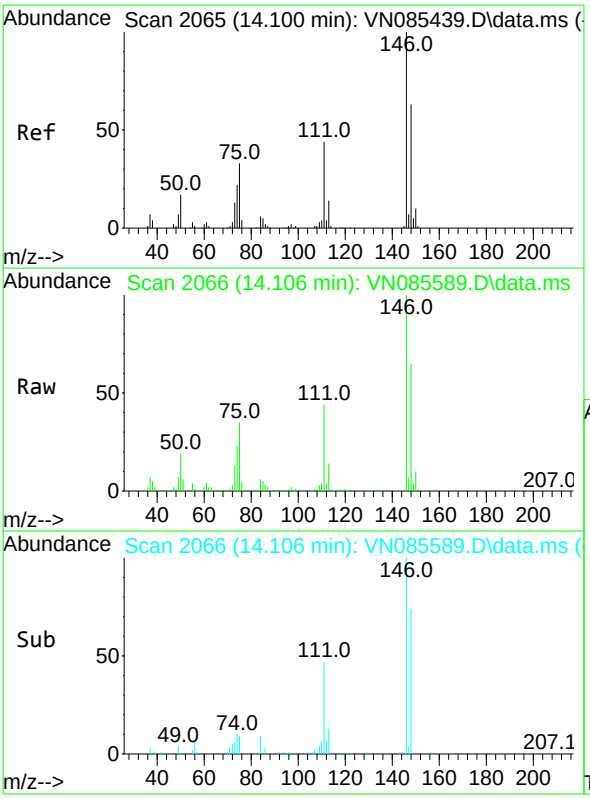


#90
Hexachloroethane
Concen: 47.180 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion:117 Resp: 86662

Ion	Ratio	Lower	Upper
117	100		
201	65.7	33.7	101.0

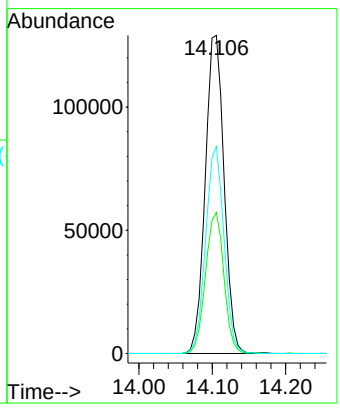




#91
1,2-Dichlorobenzene
Concen: 47.781 ug/l
RT: 14.106 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion:146 Resp: 230150

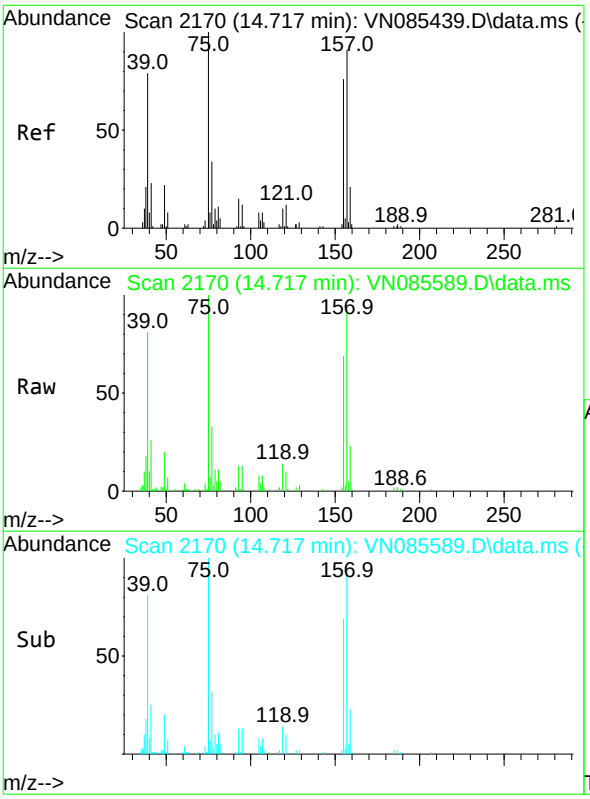
Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.7	65.1
148	63.5	31.4	94.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

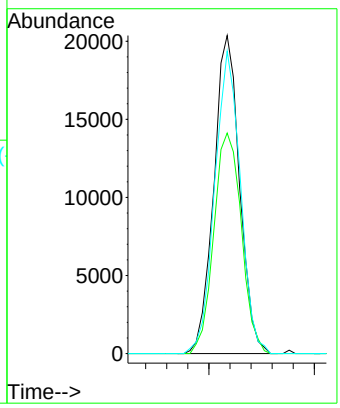
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

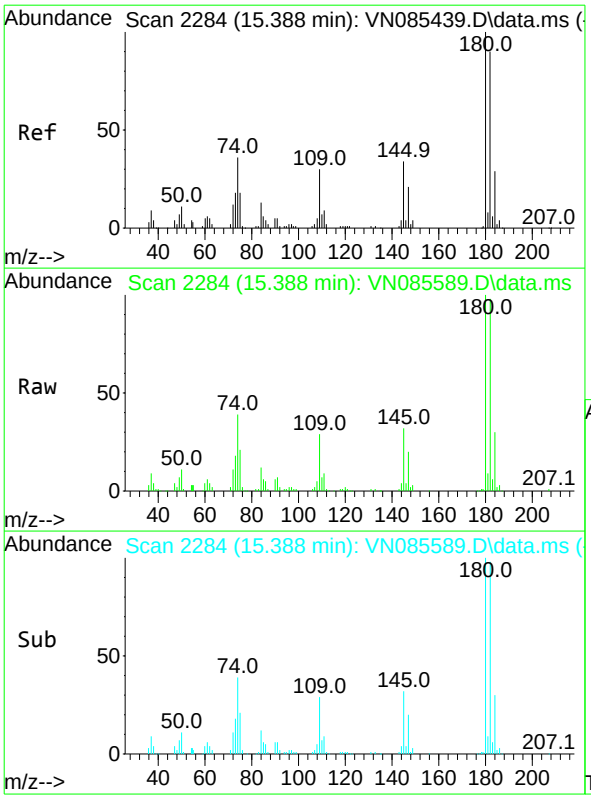


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.352 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion: 75 Resp: 34539

Ion	Ratio	Lower	Upper
75	100		
155	74.1	36.4	109.2
157	94.6	45.4	136.1





#93
1,2,4-Trichlorobenzene
Concen: 49.955 ug/l
RT: 15.388 min Scan# 22
Delta R.T. -0.000 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

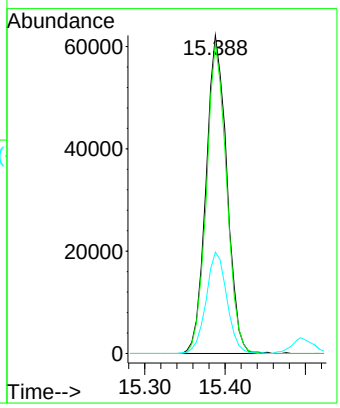
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

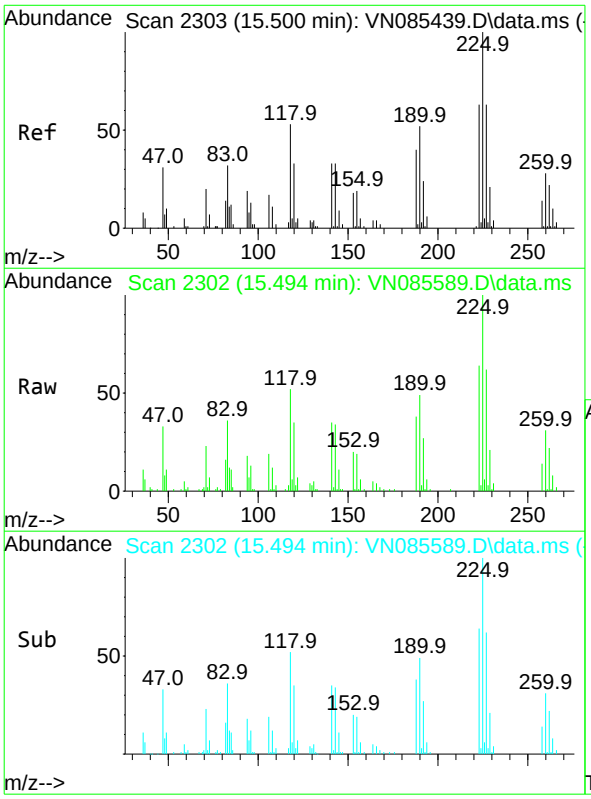
Tgt Ion:180 Resp: 111833

Ion	Ratio	Lower	Upper
180	100		
182	94.3	46.8	140.3
145	32.0	16.0	48.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

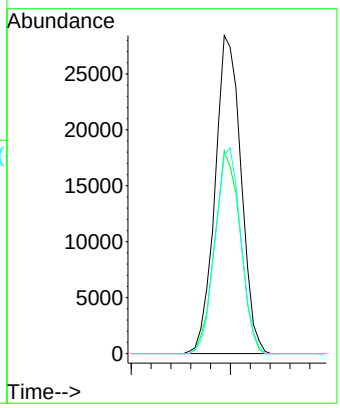


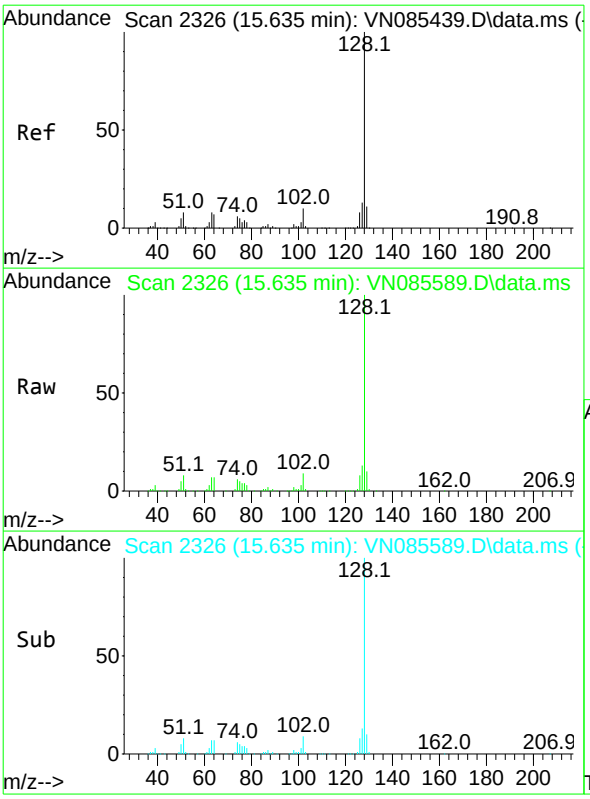


#94
Hexachlorobutadiene
Concen: 43.524 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion:225 Resp: 51730

Ion	Ratio	Lower	Upper
225	100		
223	62.8	30.7	92.1
227	63.8	30.9	92.5





#95
Naphthalene
Concen: 54.350 ug/l
RT: 15.635 min Scan# 23
Delta R.T. -0.000 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

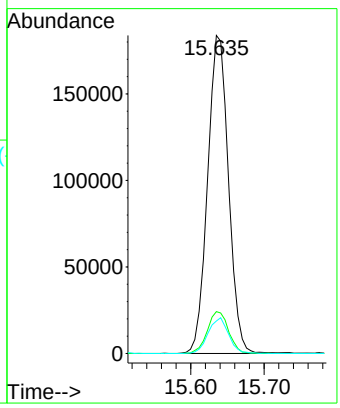
Tgt Ion:128 Resp: 363079

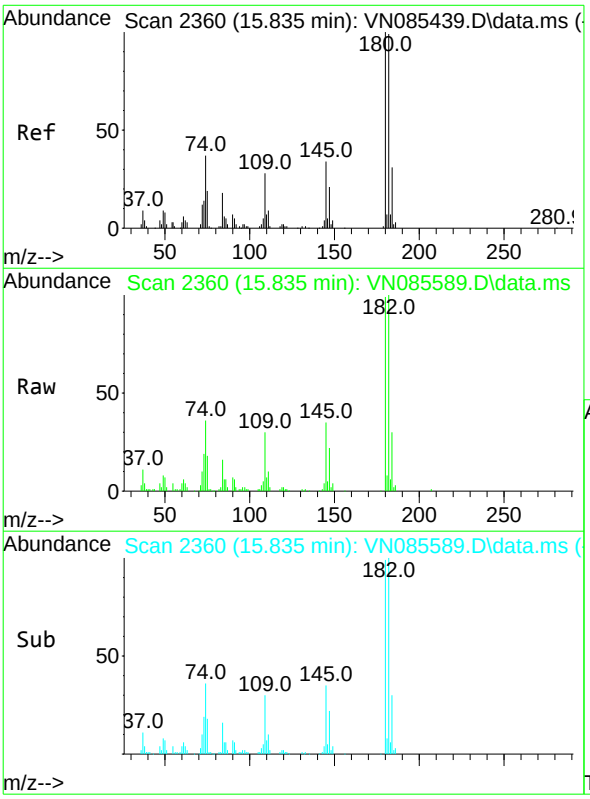
Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	16.0
129	11.0	8.8	13.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

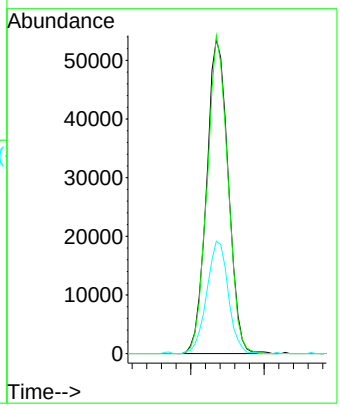




#96
1,2,3-Trichlorobenzene
Concen: 48.527 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN085589.D
Acq: 30 Jan 2025 19:06

Tgt Ion:180 Resp: 109924

Ion	Ratio	Lower	Upper
180	100		
182	97.1	47.4	142.2
145	35.4	16.9	50.7



Sample Results: **VN085589.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013025\
Data File : VN085589.D
Acq On : 30 Jan 2025 19:06
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jan 31 02:40:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	98	0.00
2	T	Dichlorodifluoromethane	0.677	0.532	21.4	83	0.00
3	P	Chloromethane	0.733	0.580	20.9	84	0.00
4	C	Vinyl Chloride	0.737	0.632	14.2#	91	0.00
5	T	Bromomethane	0.445	0.371	16.6	87	0.00
6	T	Chloroethane	0.467	0.427	8.6	99	0.00
7	T	Trichlorofluoromethane	1.069	0.958	10.4	95	0.00
8	T	Diethyl Ether	0.369	0.349	5.4	95	0.01
9	T	1,1,2-Trichlorotrifluoroeth	0.602	0.546	9.3	99	0.00
10	T	Methyl Iodide	0.690	0.676	2.0	93	0.00
11	T	Tert butyl alcohol	0.092	0.104	-13.0	110	0.00
12	CM	1,1-Dichloroethene	0.537	0.486	9.5#	90	0.00
13	T	Acrolein	0.126	0.102	19.0	72	0.00
14	T	Allyl chloride	0.871	0.811	6.9	94	0.00
15	T	Acrylonitrile	0.294	0.315	-7.1	104	0.00
16	T	Acetone	0.261	0.266	-1.9	104	0.00
17	T	Carbon Disulfide	1.652	1.171	29.1#	78	0.00
18	T	Methyl Acetate	0.793	0.914	-15.3	114	0.00
19	T	Methyl tert-butyl Ether	1.742	1.926	-10.6	101	0.00
20	T	Methylene Chloride	0.646	0.606	6.2	95	0.00
21	T	trans-1,2-Dichloroethene	0.573	0.514	10.3	91	0.00
22	T	Diisopropyl ether	1.933	2.033	-5.2	98	0.00
23	T	Vinyl Acetate	1.353	1.462	-8.1	96	0.00
24	P	1,1-Dichloroethane	1.178	1.152	2.2	97	0.00
25	T	2-Butanone	0.384	0.424	-10.4	107	0.00
26	T	2,2-Dichloropropane	0.953	0.970	-1.8	102	0.00
27	T	cis-1,2-Dichloroethene	0.675	0.664	1.6	96	0.00
28	T	Bromochloromethane	0.548	0.492	10.2	89	0.00
29	T	Tetrahydrofuran	0.243	0.279	-14.8	105	0.00
30	C	Chloroform	1.218	1.182	3.0#	99	0.00
31	T	Cyclohexane	1.024	0.833	18.7	93	0.00
32	T	1,1,1-Trichloroethane	1.068	1.032	3.4	100	0.00
33	S	1,2-Dichloroethane-d4	0.807	0.830	-2.9	98	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	99	0.00
35	S	Dibromofluoromethane	0.347	0.350	-0.9	97	0.00
36	T	1,1-Dichloropropene	0.487	0.444	8.8	95	0.00
37	T	Ethyl Acetate	0.491	0.495	-0.8	100	0.00
38	T	Carbon Tetrachloride	0.557	0.520	6.6	97	0.00
39	T	Methylcyclohexane	0.457	0.425	7.0	91	0.00
40	TM	Benzene	1.463	1.396	4.6	95	0.00
41	T	Methacrylonitrile	0.256	0.274	-7.0	100	0.00
42	TM	1,2-Dichloroethane	0.551	0.537	2.5	97	0.00
43	T	Isopropyl Acetate	0.787	0.880	-11.8	107	0.00
44	TM	Trichloroethene	0.341	0.313	8.2	96	0.00
45	C	1,2-Dichloropropane	0.374	0.371	0.8#	99	0.00
46	T	Dibromomethane	0.270	0.259	4.1	96	0.00
47	T	Bromodichloromethane	0.549	0.568	-3.5	100	0.00
48	T	Methyl methacrylate	0.354	0.405	-14.4	102	0.00

Sample Results: **VN085589.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013025\
Data File : VN085589.D
Acq On : 30 Jan 2025 19:06
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jan 31 02:40:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.006	0.007	-16.7	104	0.00
50	S	Toluene-d8	1.232	1.295	-5.1	101	0.00
51	T	4-Methyl-2-Pentanone	0.457	0.533	-16.6	107	0.00
52	CM	Toluene	0.848	0.874	-3.1#	99	0.00
53	T	t-1,3-Dichloropropene	0.519	0.553	-6.6	99	0.00
54	T	cis-1,3-Dichloropropene	0.554	0.582	-5.1	98	0.00
55	T	1,1,2-Trichloroethane	0.335	0.345	-3.0	100	0.00
56	T	Ethyl methacrylate	0.469	0.566	-20.7	103	0.00
57	T	1,3-Dichloropropane	0.583	0.615	-5.5	101	0.00
58	T	2-Chloroethyl Vinyl ether	0.213	0.222	-4.2	91	0.00
59	T	2-Hexanone	0.321	0.387	-20.6	107	0.00
60	T	Dibromochloromethane	0.405	0.425	-4.9	101	0.00
61	T	1,2-Dibromoethane	0.334	0.341	-2.1	101	0.00
62	S	4-Bromofluorobenzene	0.422	0.465	-10.2	102	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	101	0.00
64	T	Tetrachloroethene	0.341	0.315	7.6	98	0.00
65	PM	Chlorobenzene	1.095	1.076	1.7	101	0.00
66	T	1,1,1,2-Tetrachloroethane	0.402	0.399	0.7	103	0.00
67	C	Ethyl Benzene	1.784	1.863	-4.4#	101	0.00
68	T	m/p-Xylenes	0.659	0.700	-6.2	100	0.00
69	T	o-Xylene	0.630	0.679	-7.8	101	0.00
70	T	Styrene	1.043	1.175	-12.7	101	0.00
71	P	Bromoform	0.288	0.312	-8.3	101	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00
73	T	Isopropylbenzene	3.375	3.517	-4.2	103	0.00
74	T	N-amyl acetate	1.517	1.654	-9.0	103	0.00
75	P	1,1,2,2-Tetrachloroethane	1.192	1.181	0.9	105	0.00
76	T	1,2,3-Trichloropropane	1.016	0.993	2.3	113	0.00
77	T	Bromobenzene	0.882	0.848	3.9	100	0.00
78	T	n-propylbenzene	3.995	4.123	-3.2	101	0.00
79	T	2-Chlorotoluene	2.586	2.589	-0.1	102	0.00
80	T	1,3,5-Trimethylbenzene	2.787	2.989	-7.2	103	0.00
81	T	trans-1,4-Dichloro-2-butene	0.376	0.411	-9.3	107	0.00
82	T	4-Chlorotoluene	2.574	2.588	-0.5	101	0.00
83	T	tert-Butylbenzene	2.341	2.473	-5.6	103	0.00
84	T	1,2,4-Trimethylbenzene	2.778	2.993	-7.7	101	0.00
85	T	sec-Butylbenzene	3.244	3.438	-6.0	102	0.00
86	T	p-Isopropyltoluene	2.631	2.860	-8.7	101	0.00
87	T	1,3-Dichlorobenzene	1.624	1.555	4.2	101	0.00
88	T	1,4-Dichlorobenzene	1.683	1.559	7.4	101	0.00
89	T	n-Butylbenzene	2.327	2.400	-3.1	98	0.00
90	T	Hexachloroethane	0.618	0.583	5.7	102	0.00
91	T	1,2-Dichlorobenzene	1.620	1.548	4.4	101	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.218	0.232	-6.4	106	0.00
93	T	1,2,4-Trichlorobenzene	0.753	0.752	0.1	98	0.00
94	T	Hexachlorobutadiene	0.400	0.348	13.0	96	0.00
95	T	Naphthalene	2.246	2.442	-8.7	100	0.00

Sample Results: **VN085589.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013025\
Data File : VN085589.D
Acq On : 30 Jan 2025 19:06
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jan 31 02:40:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.762	0.739	3.0	95	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VN085589.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013025\
Data File : VN085589.D
Acq On : 30 Jan 2025 19:06
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jan 31 02:40:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	98	0.00
2	T	Dichlorodifluoromethane	50.000	39.321	21.4	83	0.00
3	P	Chloromethane	50.000	39.550	20.9	84	0.00
4	C	Vinyl Chloride	50.000	42.908	14.2#	91	0.00
5	T	Bromomethane	50.000	41.646	16.7	87	0.00
6	T	Chloroethane	50.000	45.742	8.5	99	0.00
7	T	Trichlorofluoromethane	50.000	44.813	10.4	95	0.00
8	T	Diethyl Ether	50.000	47.214	5.6	95	0.01
9	T	1,1,2-Trichlorotrifluoroeth	50.000	45.345	9.3	99	0.00
10	T	Methyl Iodide	50.000	49.023	2.0	93	0.00
11	T	Tert butyl alcohol	250.000	281.970	-12.8	110	0.00
12	CM	1,1-Dichloroethene	50.000	45.321	9.4#	90	0.00
13	T	Acrolein	250.000	202.767	18.9	72	0.00
14	T	Allyl chloride	50.000	46.569	6.9	94	0.00
15	T	Acrylonitrile	250.000	268.609	-7.4	104	0.00
16	T	Acetone	250.000	254.840	-1.9	104	0.00
17	T	Carbon Disulfide	50.000	35.427	29.1#	78	0.00
18	T	Methyl Acetate	50.000	57.659	-15.3	114	0.00
19	T	Methyl tert-butyl Ether	50.000	55.275	-10.5	101	0.00
20	T	Methylene Chloride	50.000	46.969	6.1	95	0.00
21	T	trans-1,2-Dichloroethene	50.000	44.835	10.3	91	0.00
22	T	Diisopropyl ether	50.000	52.595	-5.2	98	0.00
23	T	Vinyl Acetate	250.000	270.274	-8.1	96	0.00
24	P	1,1-Dichloroethane	50.000	48.895	2.2	97	0.00
25	T	2-Butanone	250.000	276.111	-10.4	107	0.00
26	T	2,2-Dichloropropane	50.000	50.904	-1.8	102	0.00
27	T	cis-1,2-Dichloroethene	50.000	49.172	1.7	96	0.00
28	T	Bromochloromethane	50.000	44.848	10.3	89	0.00
29	T	Tetrahydrofuran	250.000	286.849	-14.7	105	0.00
30	C	Chloroform	50.000	48.506	3.0#	99	0.00
31	T	Cyclohexane	50.000	40.660	18.7	93	0.00
32	T	1,1,1-Trichloroethane	50.000	48.316	3.4	100	0.00
33	S	1,2-Dichloroethane-d4	50.000	51.410	-2.8	98	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	99	0.00
35	S	Dibromofluoromethane	50.000	50.505	-1.0	97	0.00
36	T	1,1-Dichloropropene	50.000	45.649	8.7	95	0.00
37	T	Ethyl Acetate	50.000	50.358	-0.7	100	0.00
38	T	Carbon Tetrachloride	50.000	46.643	6.7	97	0.00
39	T	Methylcyclohexane	50.000	46.457	7.1	91	0.00
40	TM	Benzene	50.000	47.711	4.6	95	0.00
41	T	Methacrylonitrile	50.000	53.618	-7.2	100	0.00
42	TM	1,2-Dichloroethane	50.000	48.718	2.6	97	0.00
43	T	Isopropyl Acetate	50.000	55.903	-11.8	107	0.00
44	TM	Trichloroethene	50.000	46.011	8.0	96	0.00
45	C	1,2-Dichloropropane	50.000	49.634	0.7#	99	0.00
46	T	Dibromomethane	50.000	48.009	4.0	96	0.00
47	T	Bromodichloromethane	50.000	51.714	-3.4	100	0.00
48	T	Methyl methacrylate	50.000	57.175	-14.3	102	0.00

Sample Results: **VN085589.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013025\
Data File : VN085589.D
Acq On : 30 Jan 2025 19:06
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jan 31 02:40:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1115.842	-11.6	104	0.00
50	S	Toluene-d8	50.000	52.529	-5.1	101	0.00
51	T	4-Methyl-2-Pentanone	250.000	291.772	-16.7	107	0.00
52	CM	Toluene	50.000	51.578	-3.2#	99	0.00
53	T	t-1,3-Dichloropropene	50.000	53.277	-6.6	99	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.519	-5.0	98	0.00
55	T	1,1,2-Trichloroethane	50.000	51.501	-3.0	100	0.00
56	T	Ethyl methacrylate	50.000	50.062	-0.1	103	0.00
57	T	1,3-Dichloropropane	50.000	52.723	-5.4	101	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	260.567	-4.2	91	0.00
59	T	2-Hexanone	250.000	300.823	-20.3	107	0.00
60	T	Dibromochloromethane	50.000	52.438	-4.9	101	0.00
61	T	1,2-Dibromoethane	50.000	51.076	-2.2	101	0.00
62	S	4-Bromofluorobenzene	50.000	55.135	-10.3	102	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	101	0.00
64	T	Tetrachloroethene	50.000	46.147	7.7	98	0.00
65	PM	Chlorobenzene	50.000	49.111	1.8	101	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.597	0.8	103	0.00
67	C	Ethyl Benzene	50.000	52.224	-4.4#	101	0.00
68	T	m/p-Xylenes	100.000	106.156	-6.2	100	0.00
69	T	o-Xylene	50.000	53.912	-7.8	101	0.00
70	T	Styrene	50.000	56.360	-12.7	101	0.00
71	P	Bromoform	50.000	54.197	-8.4	101	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	101	0.00
73	T	Isopropylbenzene	50.000	52.104	-4.2	103	0.00
74	T	N-amyl acetate	50.000	54.507	-9.0	103	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.536	0.9	105	0.00
76	T	1,2,3-Trichloropropane	50.000	48.878	2.2	113	0.00
77	T	Bromobenzene	50.000	48.107	3.8	100	0.00
78	T	n-propylbenzene	50.000	51.600	-3.2	101	0.00
79	T	2-Chlorotoluene	50.000	50.064	-0.1	102	0.00
80	T	1,3,5-Trimethylbenzene	50.000	53.624	-7.2	103	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	54.771	-9.5	107	0.00
82	T	4-Chlorotoluene	50.000	50.271	-0.5	101	0.00
83	T	tert-Butylbenzene	50.000	52.829	-5.7	103	0.00
84	T	1,2,4-Trimethylbenzene	50.000	53.867	-7.7	101	0.00
85	T	sec-Butylbenzene	50.000	52.984	-6.0	102	0.00
86	T	p-Isopropyltoluene	50.000	49.070	1.9	101	0.00
87	T	1,3-Dichlorobenzene	50.000	47.888	4.2	101	0.00
88	T	1,4-Dichlorobenzene	50.000	46.314	7.4	101	0.00
89	T	n-Butylbenzene	50.000	51.554	-3.1	98	0.00
90	T	Hexachloroethane	50.000	47.180	5.6	102	0.00
91	T	1,2-Dichlorobenzene	50.000	47.781	4.4	101	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	53.352	-6.7	106	0.00
93	T	1,2,4-Trichlorobenzene	50.000	49.955	0.1	98	0.00
94	T	Hexachlorobutadiene	50.000	43.524	13.0	96	0.00
95	T	Naphthalene	50.000	54.350	-8.7	100	0.00

Sample Results: **VN085589.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013025\
Data File : VN085589.D
Acq On : 30 Jan 2025 19:06
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jan 31 02:40:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	48.527	2.9	95	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VN085591.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: WEST04

Lab Code: CHEM Case No.: Q1211 SAS No.: Q1211 SDG No.: Q1211

Instrument ID: MSVOA_N Calibration Date/Time: 01/31/2025 10:04

Lab File ID: VN085591.D Init. Calib. Date(s): 01/14/2025 01/14/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 14:56 17:19

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.677	0.545		-19.5	20
Chloromethane	0.733	0.582	0.1	-20.6	20
Vinyl Chloride	0.737	0.631		-14.38	20
Bromomethane	0.445	0.381		-14.38	20
Chloroethane	0.467	0.426		-8.78	20
Trichlorofluoromethane	1.069	1.004		-6.08	20
1,1,2-Trichlorotrifluoroethane	0.602	0.579		-3.82	20
1,1-Dichloroethene	0.537	0.497		-7.45	20
Acetone	0.261	0.250		-4.22	20
Carbon Disulfide	1.652	1.219		-26.21	20
Methyl tert-butyl Ether	1.742	1.807		3.73	20
Methyl Acetate	0.793	0.857		8.07	20
Methylene Chloride	0.646	0.618		-4.33	20
trans-1,2-Dichloroethene	0.573	0.539		-5.93	20
1,1-Dichloroethane	1.178	1.158	0.1	-1.7	20
Cyclohexane	1.024	0.848		-17.19	20
2-Butanone	0.384	0.389		1.3	20
Carbon Tetrachloride	0.557	0.576		3.41	20
cis-1,2-Dichloroethene	0.675	0.663		-1.78	20
Bromochloromethane	0.548	0.520		-5.11	20
Chloroform	1.218	1.221		0.25	20
1,1,1-Trichloroethane	1.068	1.061		-0.65	20
Methylcyclohexane	0.457	0.439		-3.94	20
Benzene	1.463	1.491		1.91	20
1,2-Dichloroethane	0.551	0.571		3.63	20
Trichloroethene	0.341	0.337		-1.17	20
1,2-Dichloropropane	0.374	0.388		3.74	20
Bromodichloromethane	0.549	0.595		8.38	20
4-Methyl-2-Pentanone	0.457	0.521		14	20
Toluene	0.848	0.910		7.31	20
t-1,3-Dichloropropene	0.519	0.563		8.48	20
cis-1,3-Dichloropropene	0.554	0.604		9.02	20
1,1,2-Trichloroethane	0.335	0.364		8.66	20
2-Hexanone	0.321	0.376		17.13	20
Dibromochloromethane	0.405	0.446		10.12	20
1,2-Dibromoethane	0.334	0.344		2.99	20
Tetrachloroethene	0.341	0.357		4.69	20
Chlorobenzene	1.095	1.091	0.3	-0.37	20

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

Raw Data: **VN085591.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: WEST04

Lab Code: CHEM Case No.: Q1211 SAS No.: Q1211 SDG No.: Q1211

Instrument ID: MSVOA_N Calibration Date/Time: 01/31/2025 10:04

Lab File ID: VN085591.D Init. Calib. Date(s): 01/14/2025 01/14/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 14:56 17:19

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.784	1.898		6.39	20
m/p-Xylenes	0.659	0.733		11.23	20
o-Xylene	0.630	0.689		9.36	20
Styrene	1.043	1.210		16.01	20
Bromoform	0.288	0.318	0.1	10.42	20
Isopropylbenzene	3.375	3.425		1.48	20
1,1,2,2-Tetrachloroethane	1.192	1.127	0.3	-5.45	20
1,3-Dichlorobenzene	1.624	1.658		2.09	20
1,4-Dichlorobenzene	1.683	1.603		-4.75	20
1,2-Dichlorobenzene	1.620	1.598		-1.36	20
1,2-Dibromo-3-Chloropropane	0.218	0.211		-3.21	20
1,2,4-Trichlorobenzene	0.753	0.732		-2.79	20
1,2,3-Trichlorobenzene	0.762	0.739		-3.02	20
1,2-Dichloroethane-d4	0.807	0.801		-0.74	20
Dibromofluoromethane	0.347	0.374		7.78	20
Toluene-d8	1.232	1.332		8.12	20
4-Bromofluorobenzene	0.422	0.473		12.09	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: **VN085591.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013125\
Data File : VN085591.D
Acq On : 31 Jan 2025 10:04
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 31 22:23:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	8.224	168	190291	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	311950	50.000 ug/l	0.00
63) Chlorobenzene-d5	11.865	117	284481	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	145646	50.000 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	8.577	65	152459	49.634 ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.260%		
35) Dibromofluoromethane	8.165	113	116708	53.927 ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.860%		
50) Toluene-d8	10.565	98	415377	54.021 ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.040%		
62) 4-Bromofluorobenzene	12.847	95	147501	56.078 ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 112.160%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.124	85	103770	40.276 ug/l	99
3) Chloromethane	2.359	50	110719	39.689 ug/l	99
4) Vinyl Chloride	2.512	62	120110	42.836 ug/l	97
5) Bromomethane	2.948	94	72429	42.763 ug/l	98
6) Chloroethane	3.112	64	81085	45.613 ug/l	99
7) Trichlorofluoromethane	3.501	101	191046	46.958 ug/l	99
8) Diethyl Ether	3.953	74	61086	43.462 ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	110162	48.073 ug/l	99
10) Methyl Iodide	4.589	142	122885	46.827 ug/l	96
11) Tert butyl alcohol	5.506	59	102478	291.355 ug/l	100
12) 1,1-Dichloroethene	4.336	96	94663	46.352 ug/l	98
13) Acrolein	4.183	56	90056	187.561 ug/l	97
14) Allyl chloride	5.024	41	143367	43.262 ug/l	98
15) Acrylonitrile	5.712	53	279267	249.970 ug/l	99
16) Acetone	4.424	43	238111	239.913 ug/l	99
17) Carbon Disulfide	4.706	76	231929	36.884 ug/l	100
18) Methyl Acetate	5.018	43	163080	54.036 ug/l	98
19) Methyl tert-butyl Ether	5.789	73	343910	51.861 ug/l	97
20) Methylene Chloride	5.271	84	117510	47.827 ug/l	98
21) trans-1,2-Dichloroethene	5.783	96	102553	46.987 ug/l	100
22) Diisopropyl ether	6.665	45	379410	51.582 ug/l	97
23) Vinyl Acetate	6.600	43	1337620	259.853 ug/l	100
24) 1,1-Dichloroethane	6.565	63	220300	49.119 ug/l	98
25) 2-Butanone	7.477	43	370535	253.698 ug/l	100
26) 2,2-Dichloropropane	7.489	77	199084	54.902 ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	126248	49.110 ug/l	98
28) Bromochloromethane	7.806	49	98995	47.443 ug/l	97
29) Tetrahydrofuran	7.836	42	246967	266.707 ug/l	99
30) Chloroform	7.959	83	232358	50.126 ug/l	100
31) Cyclohexane	8.253	56	161397	41.402 ug/l	93
32) 1,1,1-Trichloroethane	8.165	97	201948	49.666 ug/l	97
36) 1,1-Dichloropropene	8.365	75	148837	49.002 ug/l	99
37) Ethyl Acetate	7.553	43	151771	49.505 ug/l	97
38) Carbon Tetrachloride	8.359	117	179763	51.696 ug/l	98
39) Methylcyclohexane	9.600	83	136843	47.944 ug/l	98
40) Benzene	8.600	78	465224	50.976 ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013125\
Data File : VN085591.D
Acq On : 31 Jan 2025 10:04
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 31 22:23:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	85378	53.528	ug/l		97
42) 1,2-Dichloroethane	8.665	62	178224	51.851	ug/l		99
43) Isopropyl Acetate	8.683	43	256966	52.309	ug/l		99
44) Trichloroethene	9.347	130	105127	49.486	ug/l		97
45) 1,2-Dichloropropane	9.618	63	120938	51.880	ug/l		98
46) Dibromomethane	9.706	93	85588	50.884	ug/l		97
47) Bromodichloromethane	9.882	83	185704	54.191	ug/l		99
48) Methyl methacrylate	9.677	41	122530	55.425	ug/l		99
49) 1,4-Dioxane	9.688	88	40300	1082.516	ug/l		99
51) 4-Methyl-2-Pentanone	10.441	43	813239	285.284	ug/l		99
52) Toluene	10.630	92	283889	53.686	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	175773	54.277	ug/l		95
54) cis-1,3-Dichloropropene	10.312	75	188416	54.468	ug/l		99
55) 1,1,2-Trichloroethane	11.012	97	113662	54.314	ug/l		98
56) Ethyl methacrylate	10.871	69	168851	47.979	ug/l		99
57) 1,3-Dichloropropane	11.159	76	196125	53.898	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	369534	278.261	ug/l		100
59) 2-Hexanone	11.194	43	586256	292.282	ug/l		100
60) Dibromochloromethane	11.359	129	139102	55.058	ug/l		100
61) 1,2-Dibromoethane	11.465	107	107453	51.584	ug/l		99
64) Tetrachloroethene	11.100	164	101650	52.413	ug/l		98
65) Chlorobenzene	11.888	112	310267	49.786	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.959	131	116111	50.764	ug/l		97
67) Ethyl Benzene	11.959	91	539837	53.184	ug/l		100
68) m/p-Xylenes	12.065	106	417283	111.234	ug/l		99
69) o-Xylene	12.394	106	196000	54.671	ug/l		99
70) Styrene	12.406	104	344358	58.039	ug/l		99
71) Bromoform	12.576	173	90428	55.254	ug/l	#	99
73) Isopropylbenzene	12.694	105	498892	50.753	ug/l		99
74) N-amyl acetate	12.488	43	218240	49.394	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	164103	47.260	ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	156230m	52.775	ug/l		
77) Bromobenzene	12.976	156	124316	48.406	ug/l		99
78) n-propylbenzene	13.035	91	617823	53.092	ug/l		100
79) 2-Chlorotoluene	13.123	91	376644	50.010	ug/l		98
80) 1,3,5-Trimethylbenzene	13.171	105	435734	53.665	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	58483	53.451	ug/l		96
82) 4-Chlorotoluene	13.218	91	387664	51.696	ug/l		99
83) tert-Butylbenzene	13.435	119	353864	51.897	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	442366	54.663	ug/l		99
85) sec-Butylbenzene	13.612	105	515181	54.515	ug/l		100
86) p-Isopropyltoluene	13.723	119	426531	50.108	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	241411	51.042	ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	233405	47.611	ug/l		99
89) n-Butylbenzene	14.053	91	364737	53.798	ug/l		100
90) Hexachloroethane	14.329	117	86465	48.061	ug/l		99
91) 1,2-Dichlorobenzene	14.100	146	232755	49.337	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	30775	48.536	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	106670	48.649	ug/l		97
94) Hexachlorobutadiene	15.500	225	56304	48.367	ug/l		99
95) Naphthalene	15.635	128	315500	48.220	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	107609	48.503	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013125\
Data File : VN085591.D
Acq On : 31 Jan 2025 10:04
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 31 22:23:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

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

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

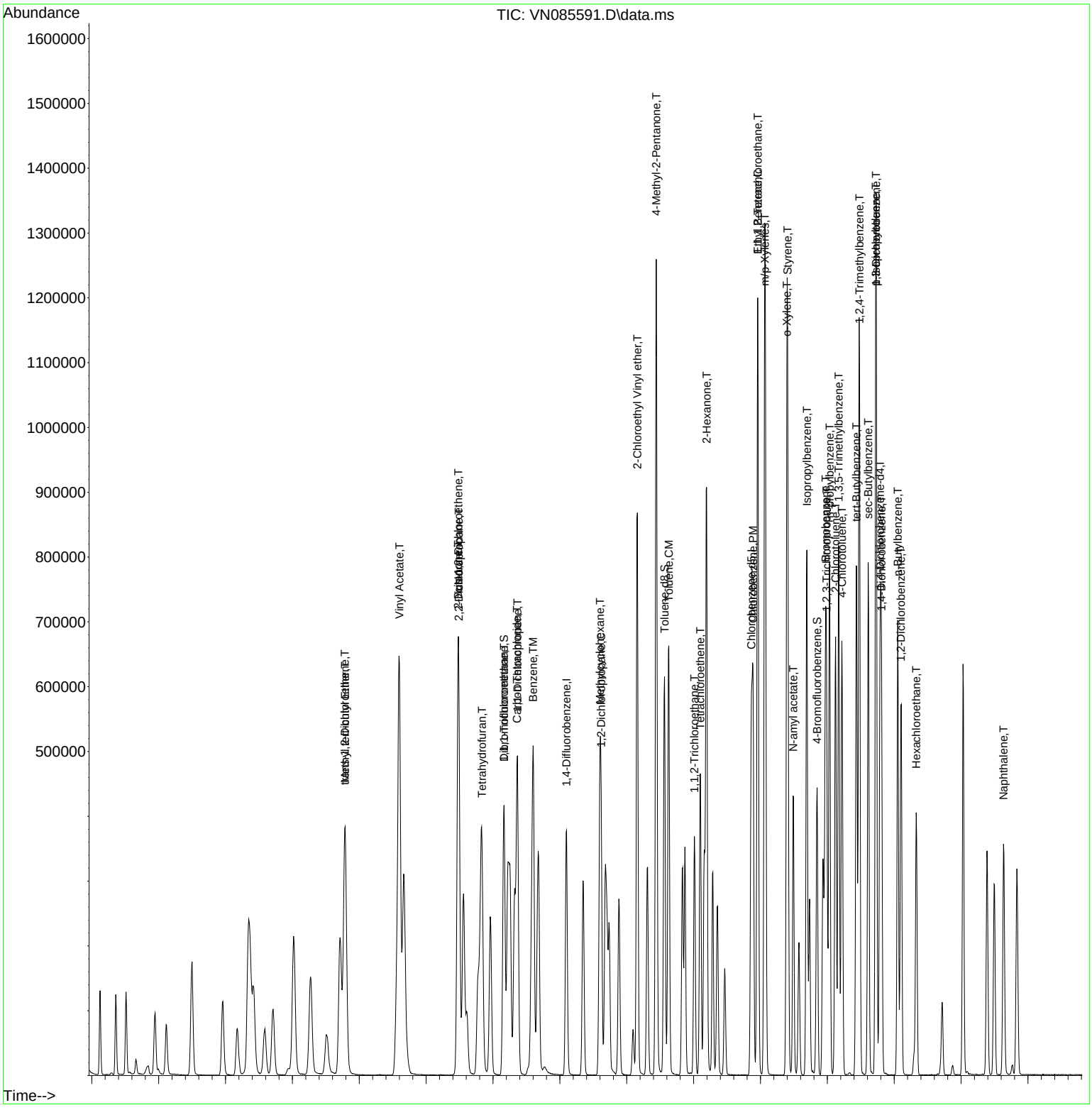
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Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

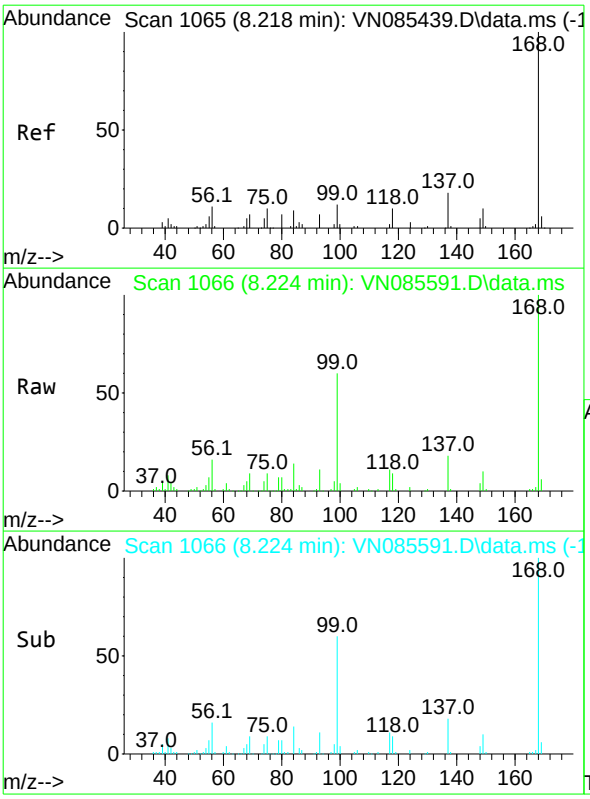
Quant Time: Jan 31 22:23:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

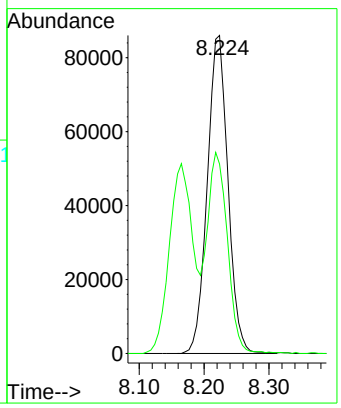




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion:168 Resp: 190291

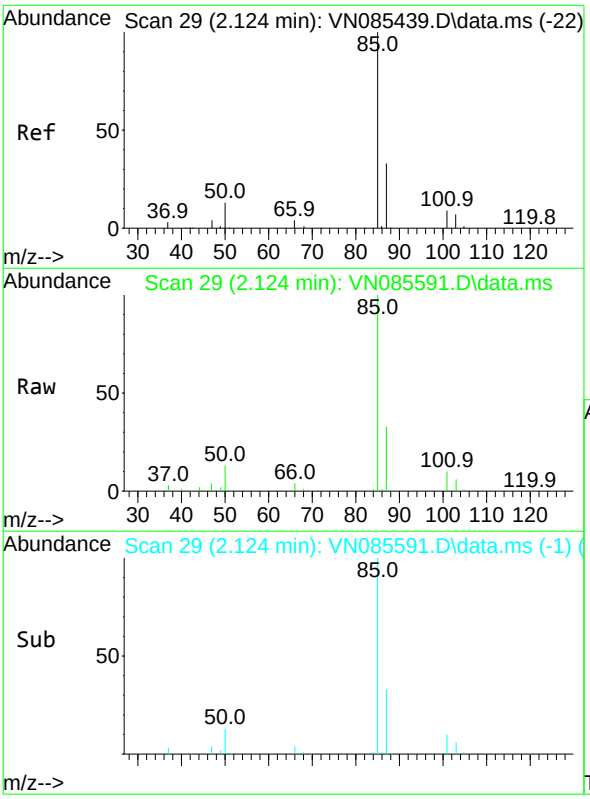
Ion	Ratio	Lower	Upper
168	100		
99	59.3	53.6	80.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

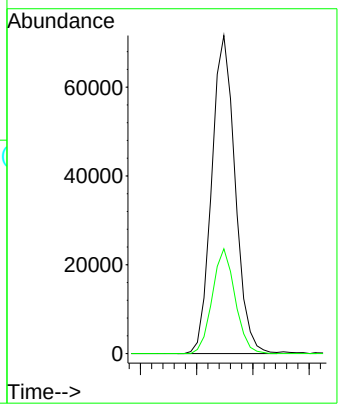
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

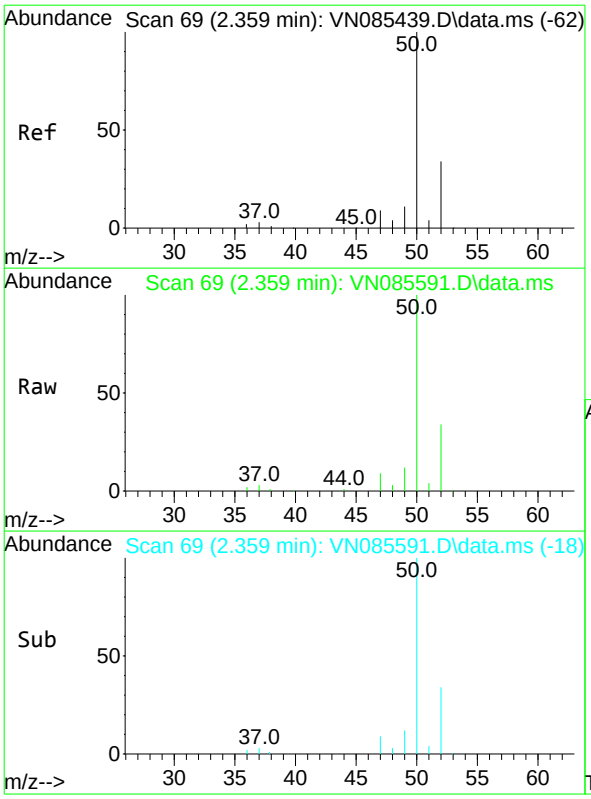


#2
Dichlorodifluoromethane
Concen: 40.276 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion: 85 Resp: 103770

Ion	Ratio	Lower	Upper
85	100		
87	32.9	16.7	50.1

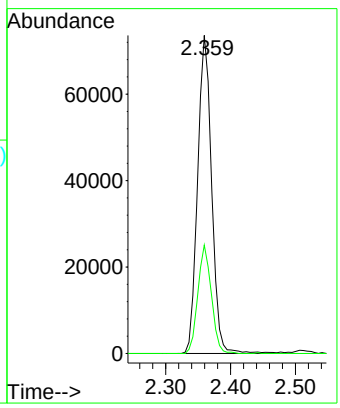




#3
Chloromethane
Concen: 39.689 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion: 50 Resp: 110719

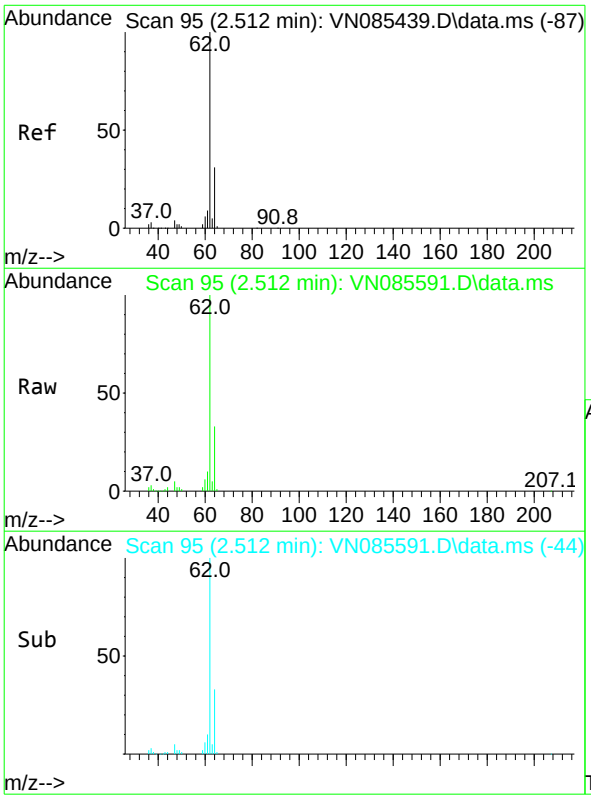
Ion	Ratio	Lower	Upper
50	100		
52	34.1	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

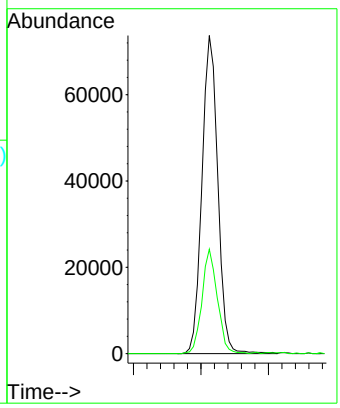
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

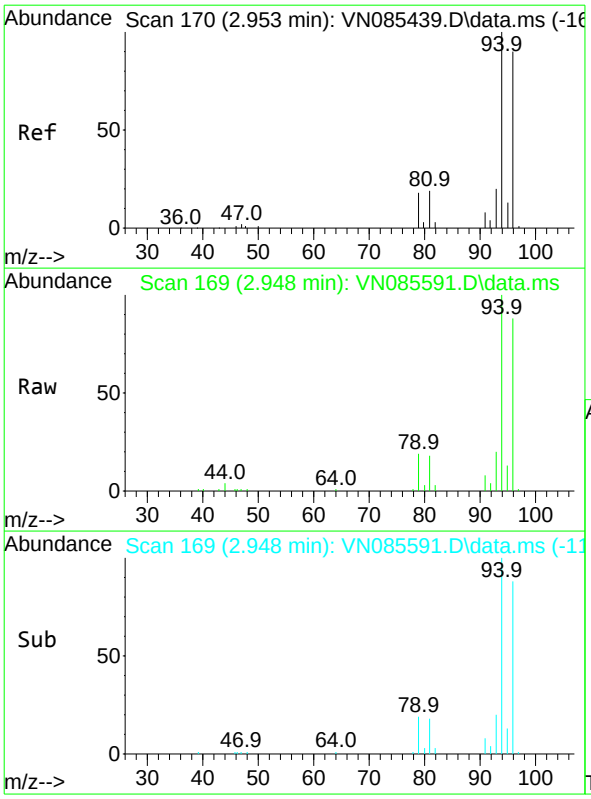


#4
Vinyl Chloride
Concen: 42.836 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion: 62 Resp: 120110

Ion	Ratio	Lower	Upper
62	100		
64	32.8	24.8	37.2

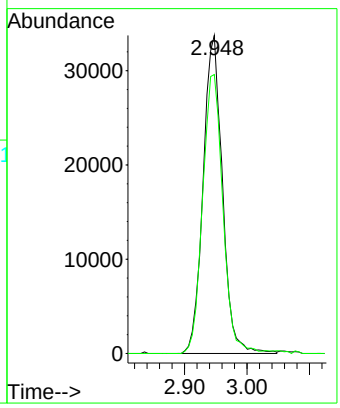




#5
Bromomethane
Concen: 42.763 ug/l
RT: 2.948 min Scan# 16
Delta R.T. -0.006 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion: 94 Resp: 72429

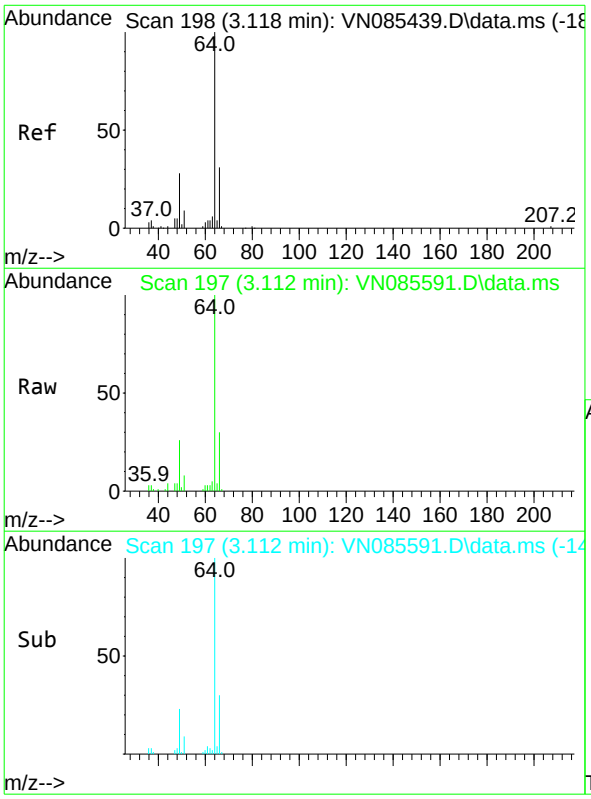
Ion	Ratio	Lower	Upper
94	100		
96	87.7	71.8	107.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

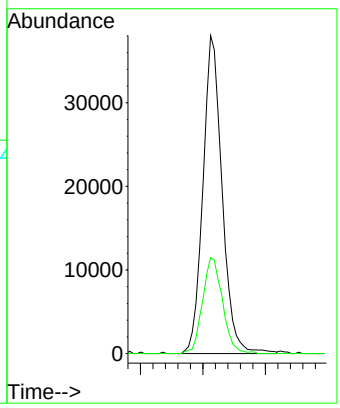
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

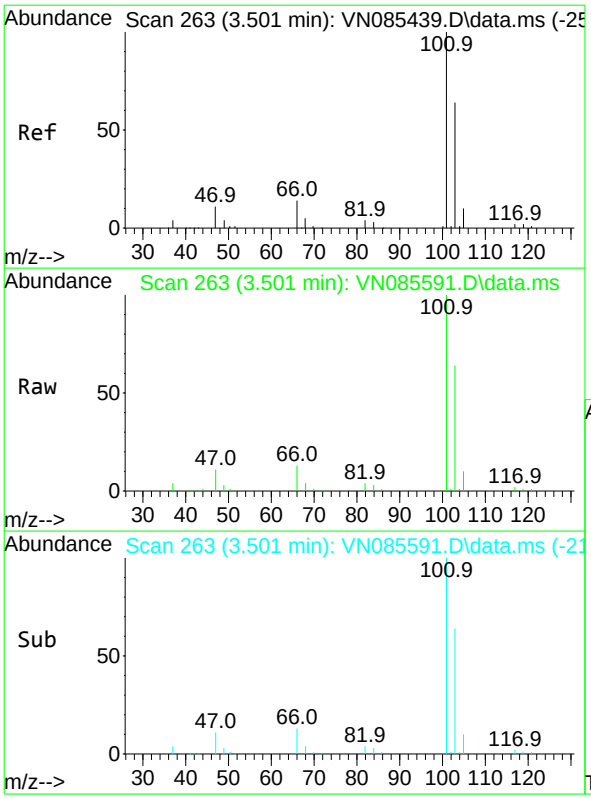


#6
Chloroethane
Concen: 45.613 ug/l
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion: 64 Resp: 81085

Ion	Ratio	Lower	Upper
64	100		
66	30.1	24.6	36.8

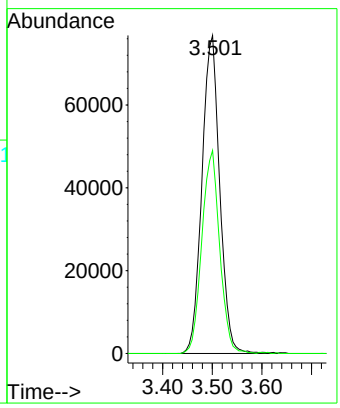




#7
Trichlorofluoromethane
Concen: 46.958 ug/l
RT: 3.501 min Scan# 26
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion:101 Resp: 191046

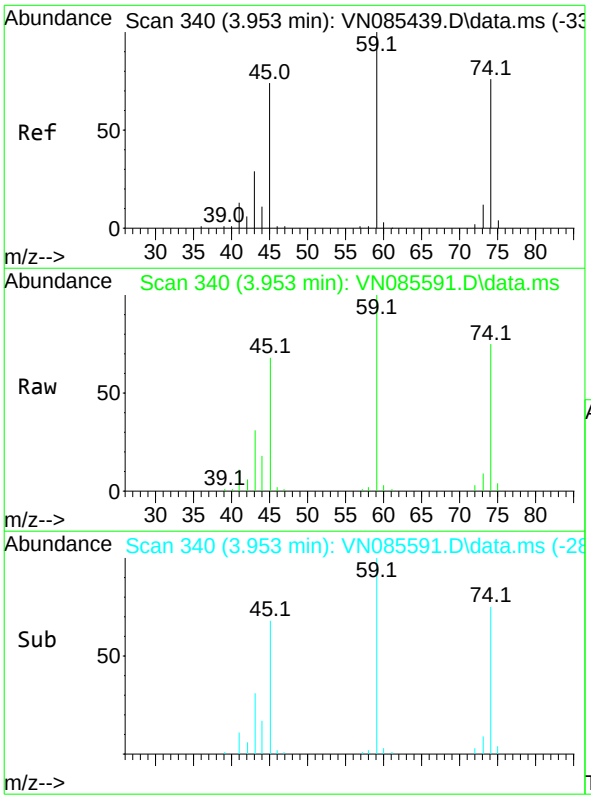
Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.4	77.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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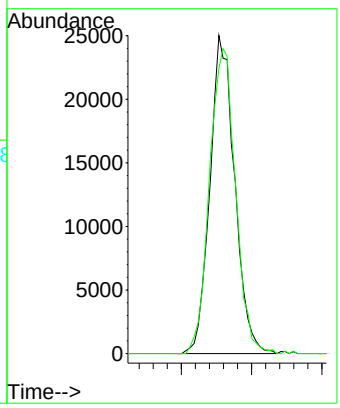
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

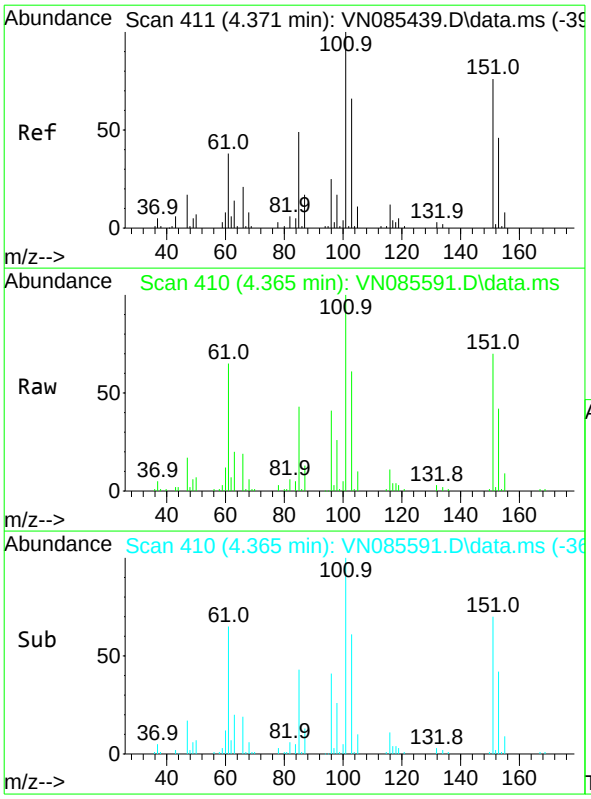


#8
Diethyl Ether
Concen: 43.462 ug/l
RT: 3.953 min Scan# 340
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion: 74 Resp: 61086

Ion	Ratio	Lower	Upper
74	100		
45	101.0	49.7	149.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.073 ug/l
RT: 4.365 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

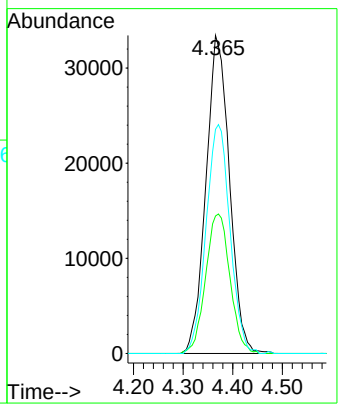
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

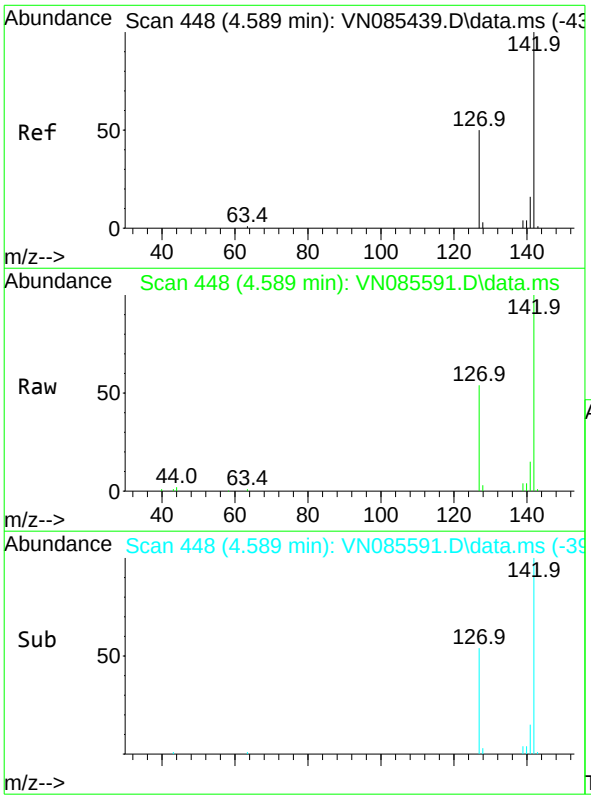
Tgt Ion:101 Resp: 110162

Ion	Ratio	Lower	Upper
101	100		
85	45.3	37.8	56.8
151	73.0	58.8	88.2

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

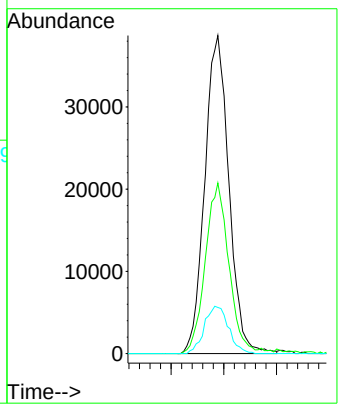


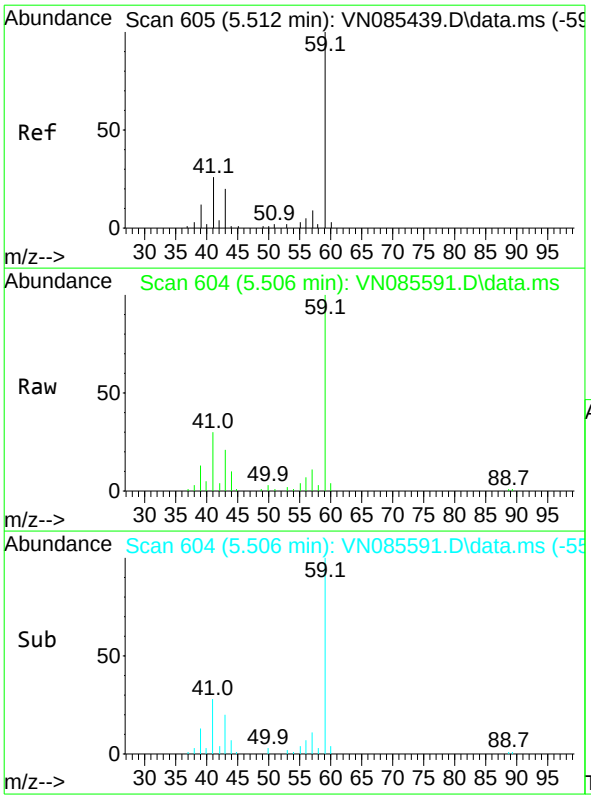


#10
Methyl Iodide
Concen: 46.827 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion:142 Resp: 122885

Ion	Ratio	Lower	Upper
142	100		
127	53.7	40.3	60.5
141	14.5	12.8	19.2

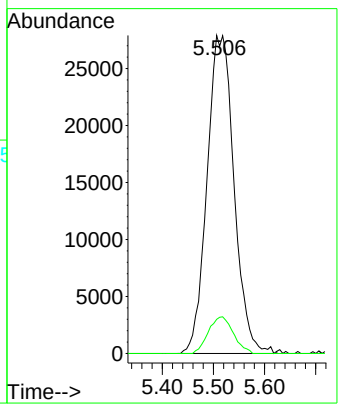




#11
Tert butyl alcohol
Concen: 291.355 ug/l
RT: 5.506 min Scan# 60
Delta R.T. -0.006 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion: 59 Resp: 102478

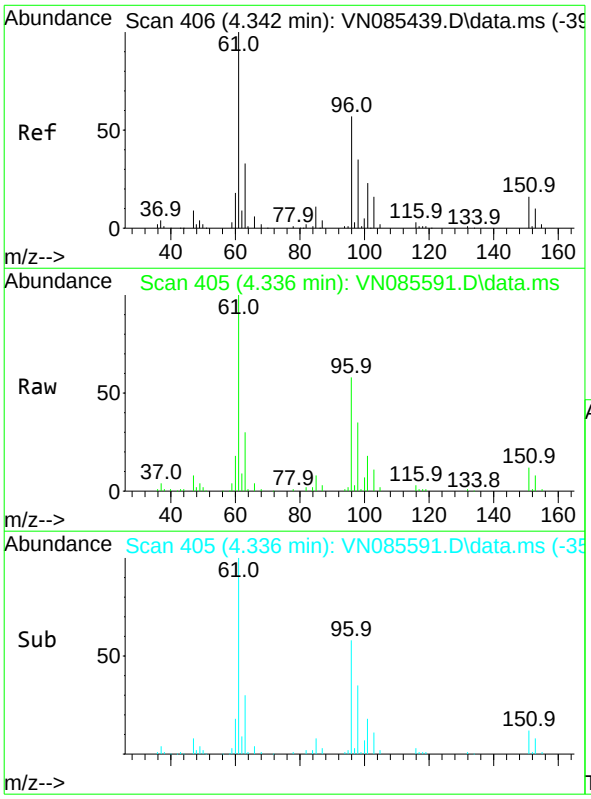
Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.6	13.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

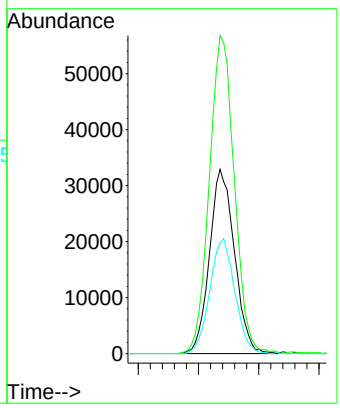
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

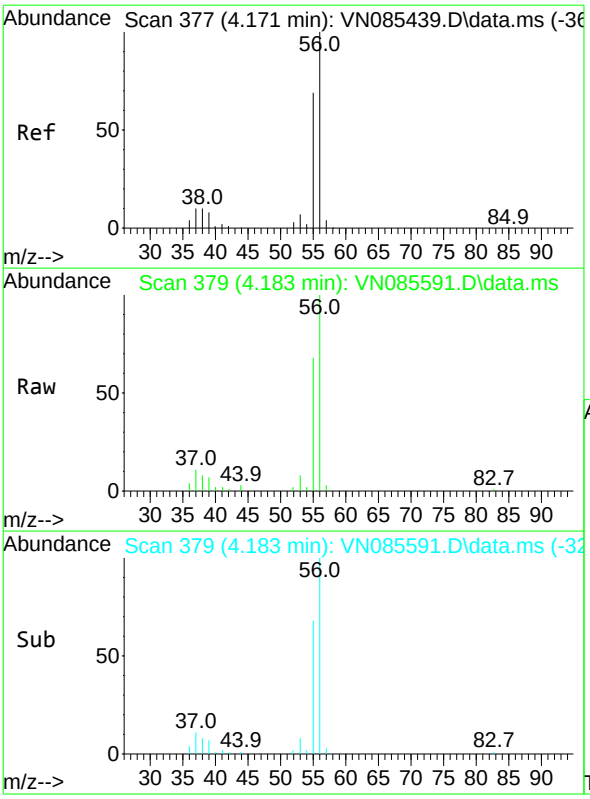


#12
1,1-Dichloroethene
Concen: 46.352 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.006 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion: 96 Resp: 94663

Ion	Ratio	Lower	Upper
96	100		
61	172.6	141.0	211.4
98	60.2	49.0	73.6

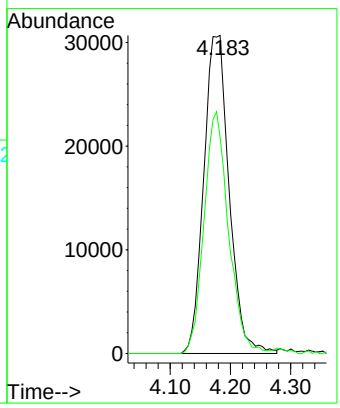




#13
Acrolein
Concen: 187.561 ug/l
RT: 4.183 min Scan# 37
Delta R.T. 0.012 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion: 56 Resp: 90056

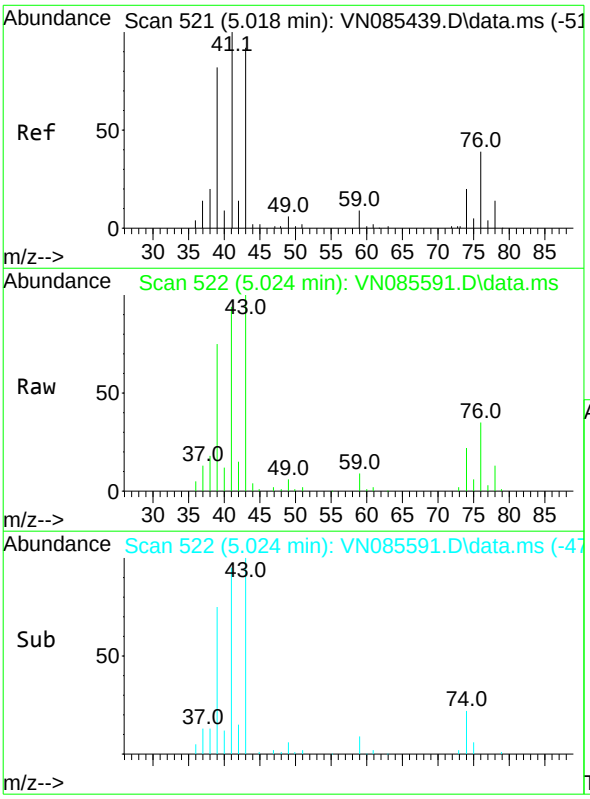
Ion	Ratio	Lower	Upper
56	100		
55	73.2	56.3	84.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

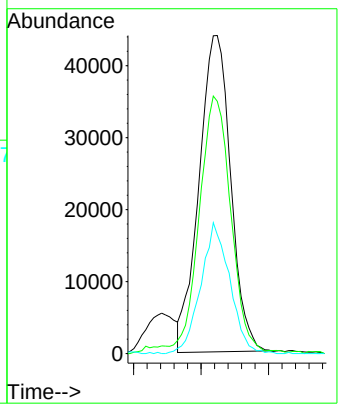
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

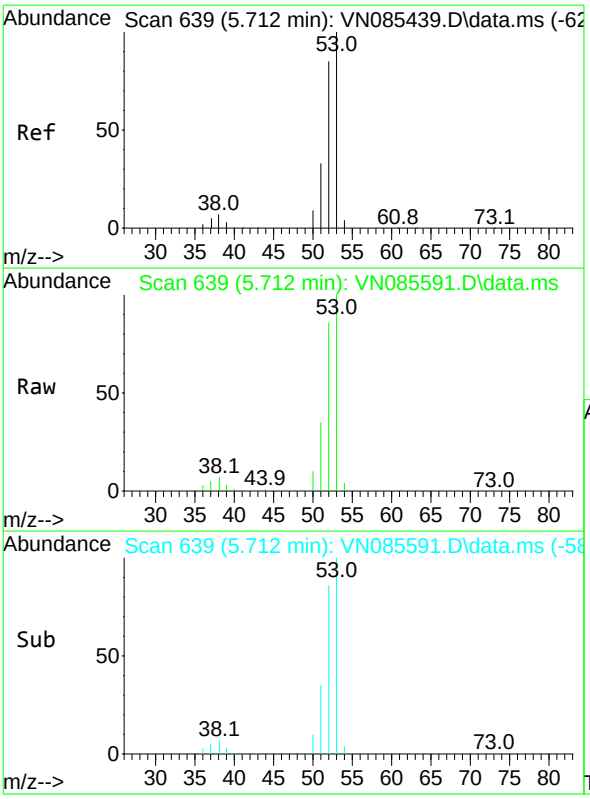


#14
Allyl chloride
Concen: 43.262 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion: 41 Resp: 143367

Ion	Ratio	Lower	Upper
41	100		
39	82.9	64.4	96.6
76	37.9	30.5	45.7

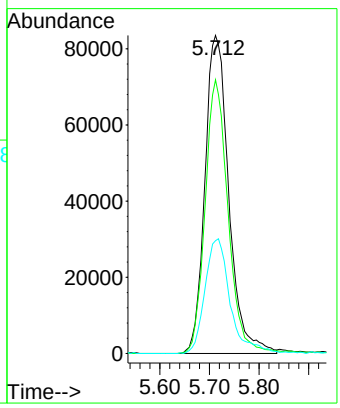




#15
Acrylonitrile
Concen: 249.970 ug/l
RT: 5.712 min Scan# 63
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion: 53 Resp: 279267

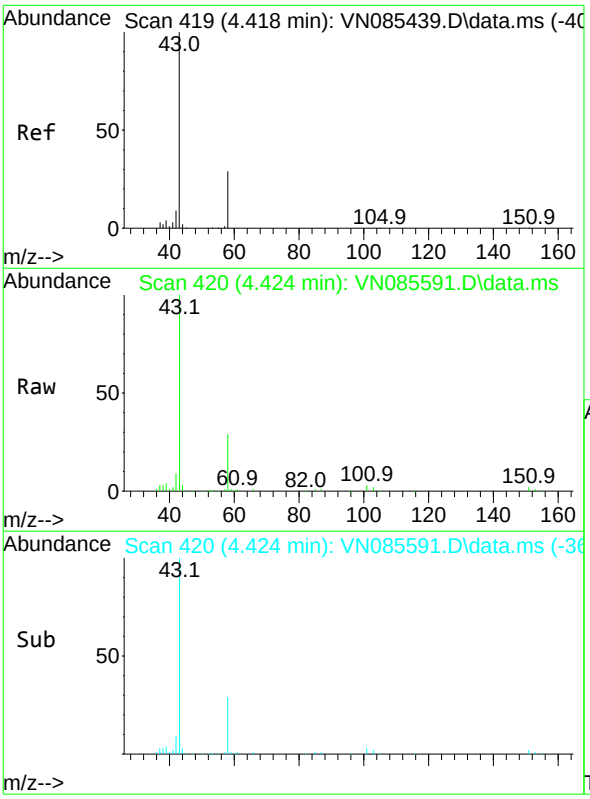
Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.5	98.3
51	38.1	29.8	44.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

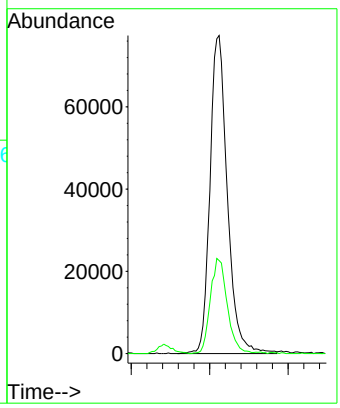
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

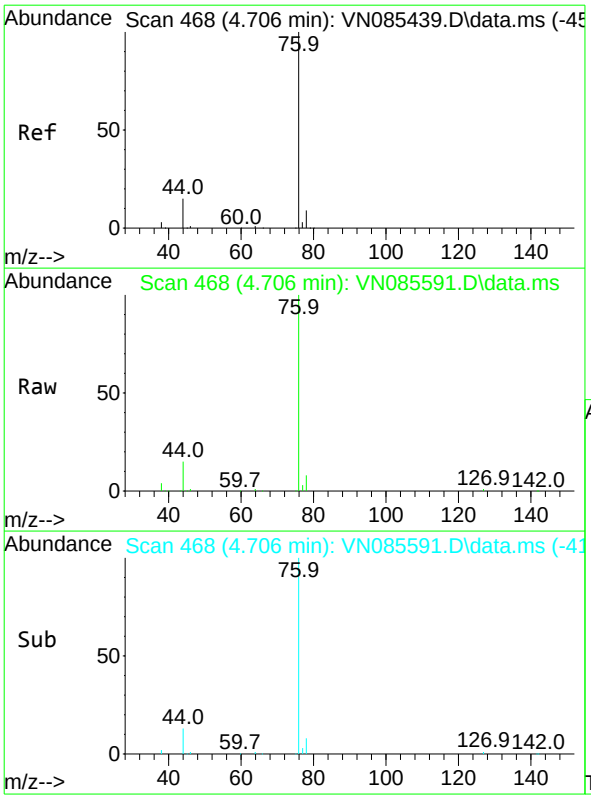


#16
Acetone
Concen: 239.913 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion: 43 Resp: 238111

Ion	Ratio	Lower	Upper
43	100		
58	29.0	23.8	35.6

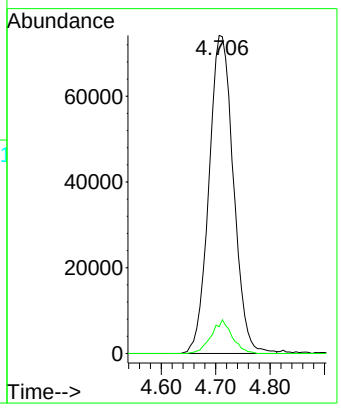




#17
Carbon Disulfide
Concen: 36.884 ug/l
RT: 4.706 min Scan# 46
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion: 76 Resp: 231929

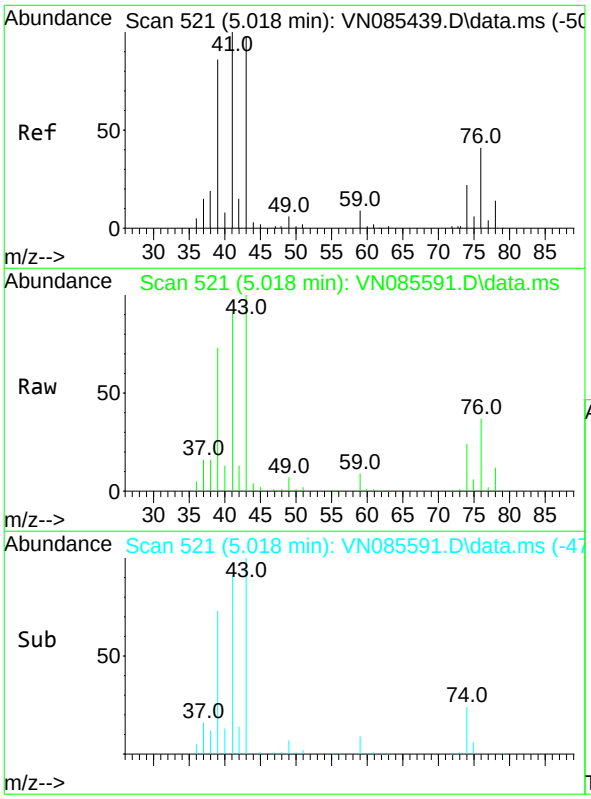
Ion	Ratio	Lower	Upper
76	100		
78	8.5	6.9	10.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

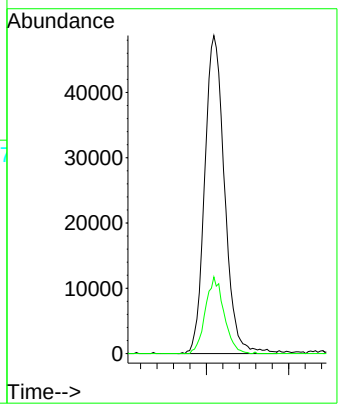
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

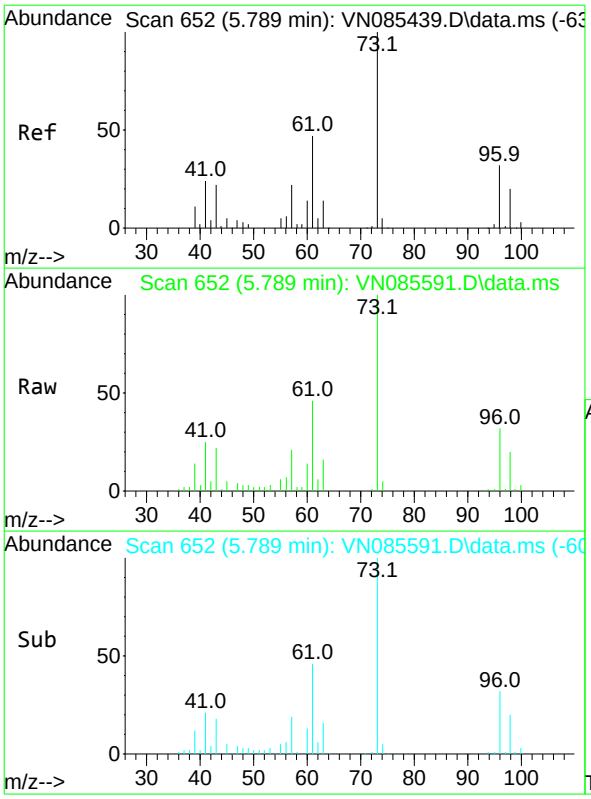


#18
Methyl Acetate
Concen: 54.036 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion: 43 Resp: 163080

Ion	Ratio	Lower	Upper
43	100		
74	22.6	18.6	28.0

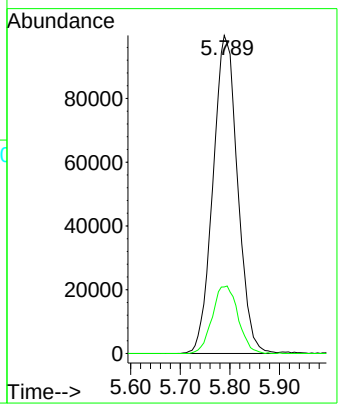




#19
Methyl tert-butyl Ether
Concen: 51.861 ug/l
RT: 5.789 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion: 73 Resp: 343910

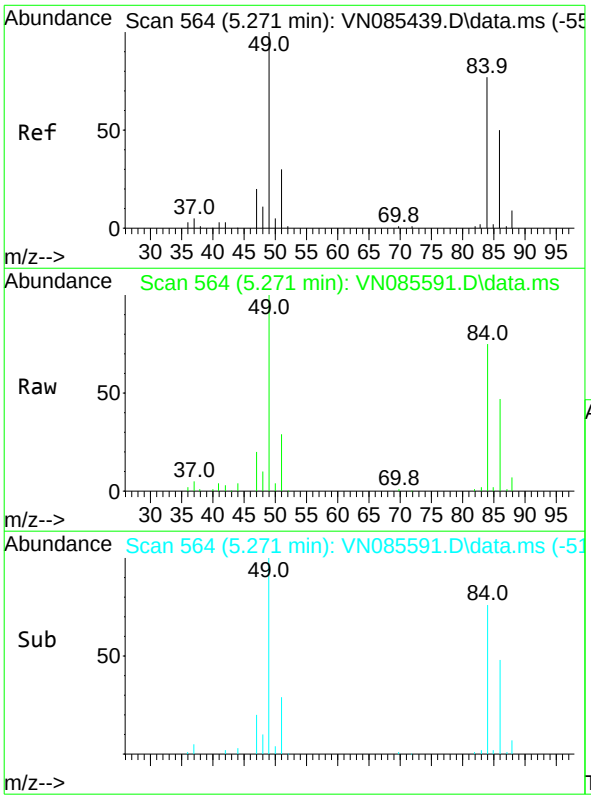
Ion	Ratio	Lower	Upper
73	100		
57	20.9	17.8	26.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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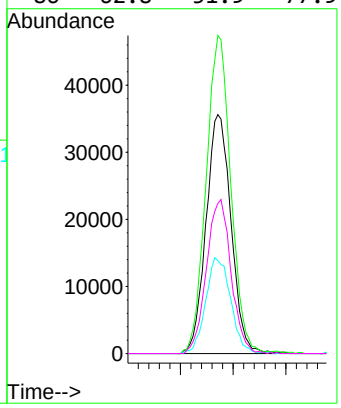
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

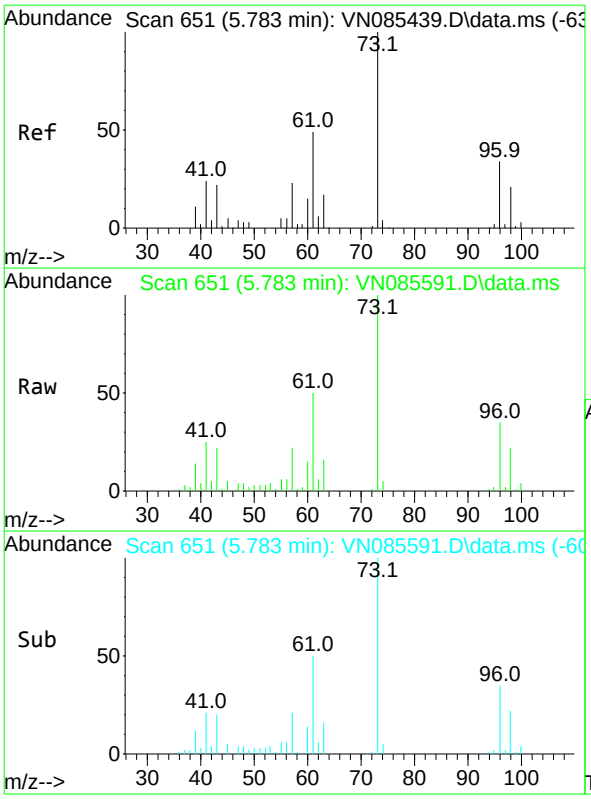


#20
Methylene Chloride
Concen: 47.827 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion: 84 Resp: 117510

Ion	Ratio	Lower	Upper
84	100		
49	133.1	104.1	156.1
51	38.9	31.0	46.4
86	62.8	51.9	77.9

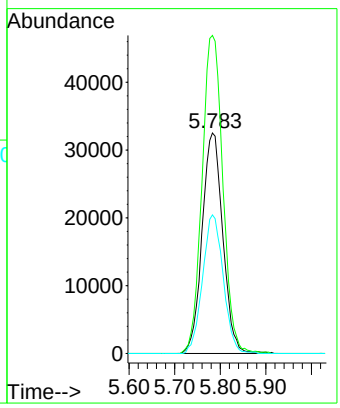




#21
trans-1,2-Dichloroethene
Concen: 46.987 ug/l
RT: 5.783 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion: 96 Resp: 102553

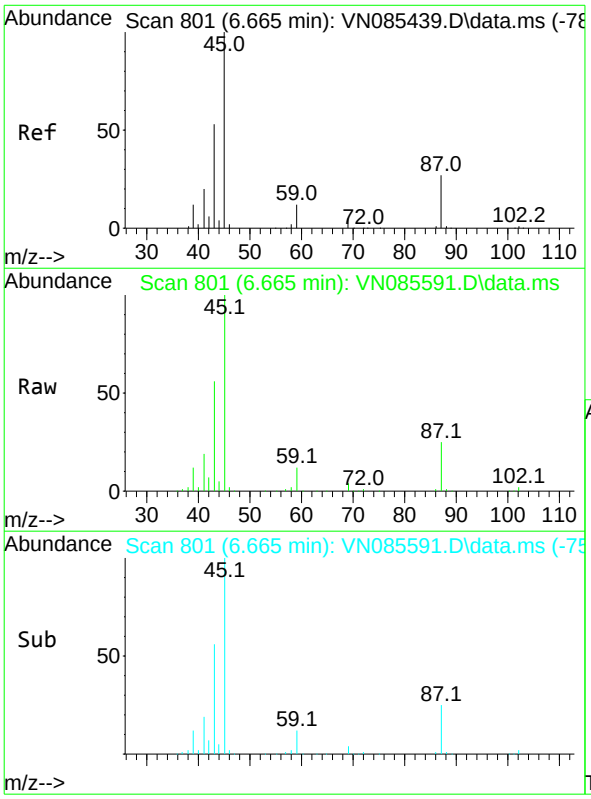
Ion	Ratio	Lower	Upper
96	100		
61	144.3	115.7	173.5
98	62.9	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

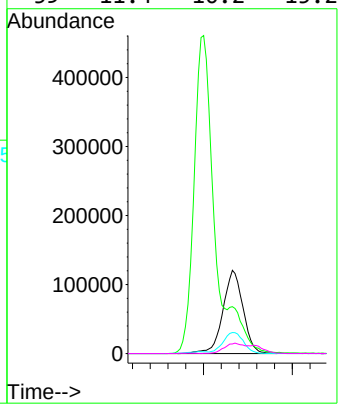
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

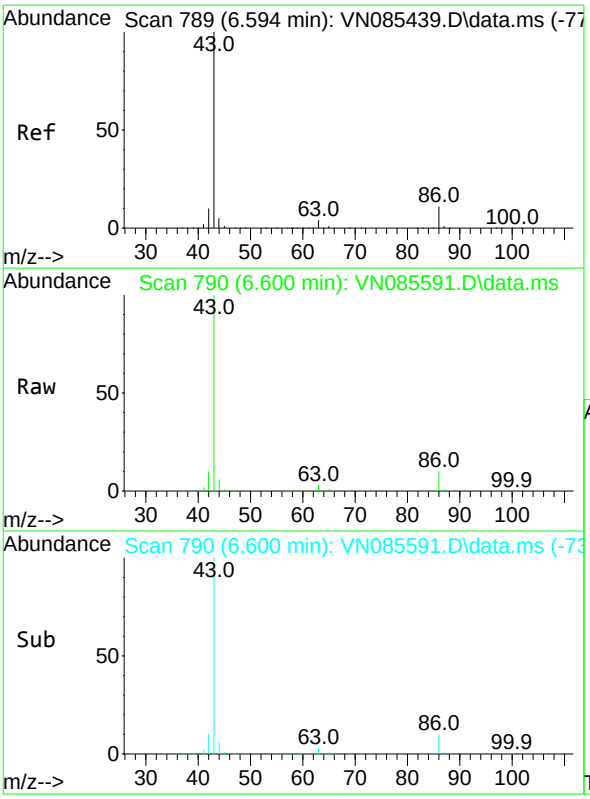


#22
Diisopropyl ether
Concen: 51.582 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion: 45 Resp: 379410

Ion	Ratio	Lower	Upper
45	100		
43	55.1	45.0	67.6
87	25.2	21.8	32.8
59	11.4	10.2	15.2

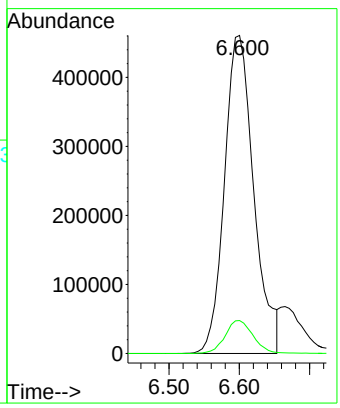




#23
Vinyl Acetate
Concen: 259.853 ug/l
RT: 6.600 min Scan# 79
Delta R.T. 0.006 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion: 43 Resp: 1337620

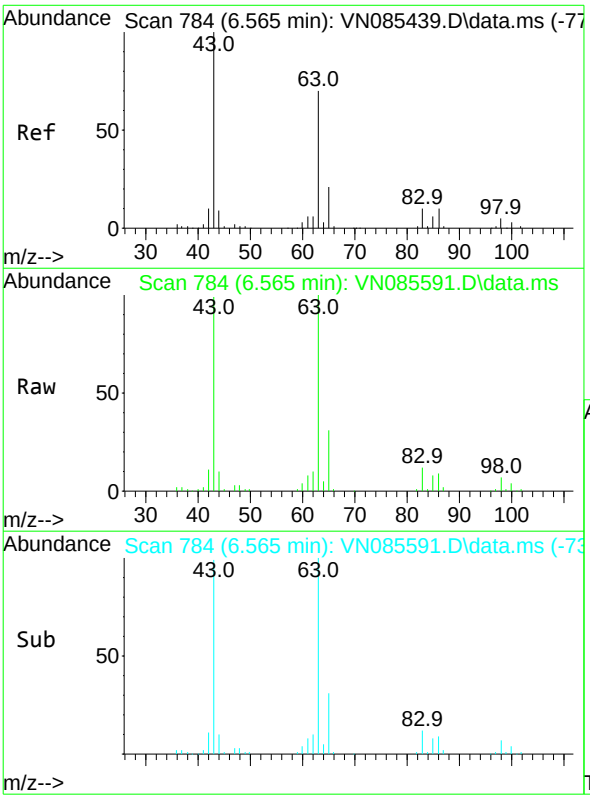
Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.4	12.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

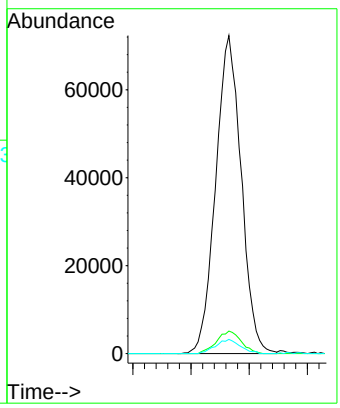
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

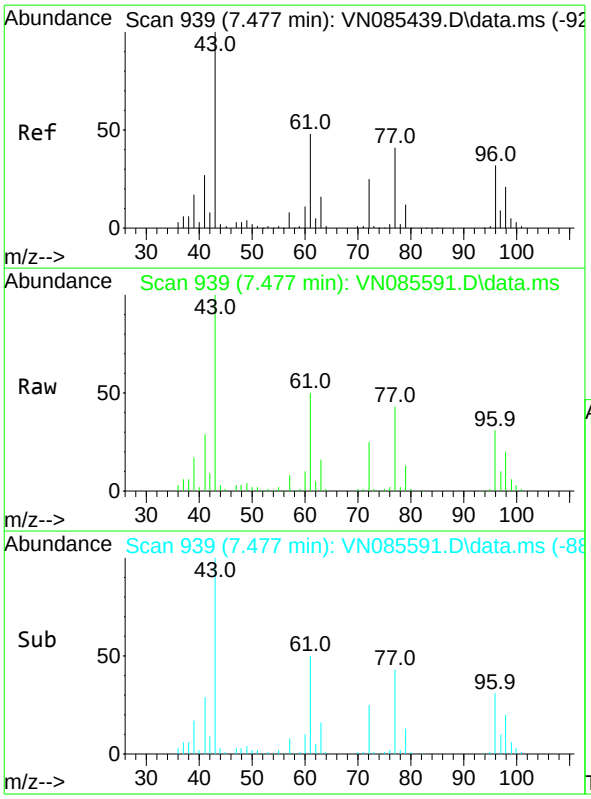


#24
1,1-Dichloroethane
Concen: 49.119 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion: 63 Resp: 220300

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.3	9.8
100	4.5	2.0	6.0

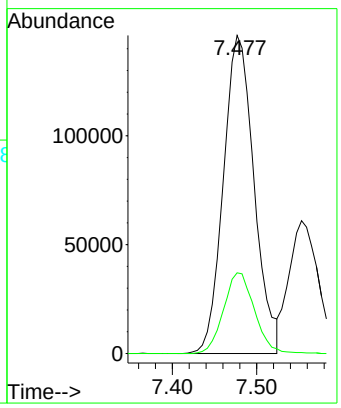




#25
2-Butanone
Concen: 253.698 ug/l
RT: 7.477 min Scan# 93
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion: 43 Resp: 370535

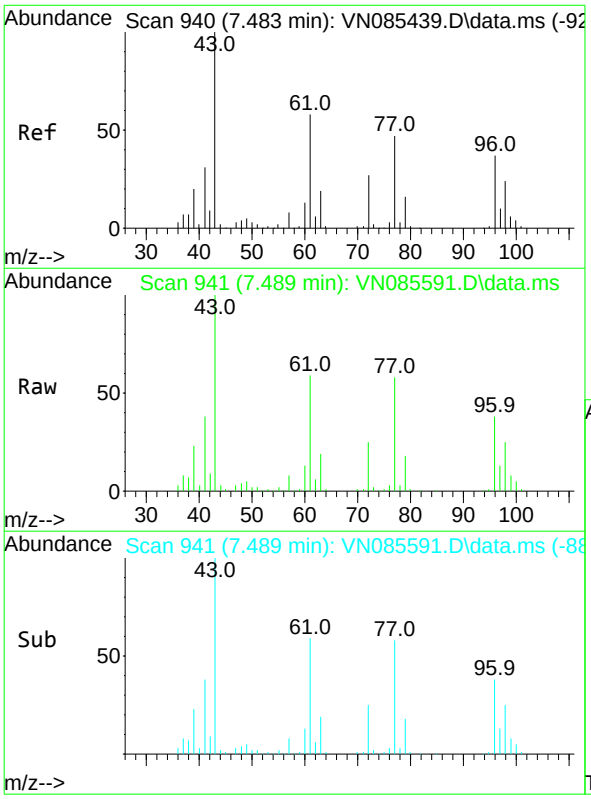
Ion	Ratio	Lower	Upper
43	100		
72	25.4	20.2	30.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

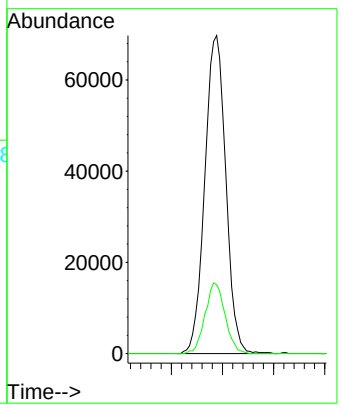
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

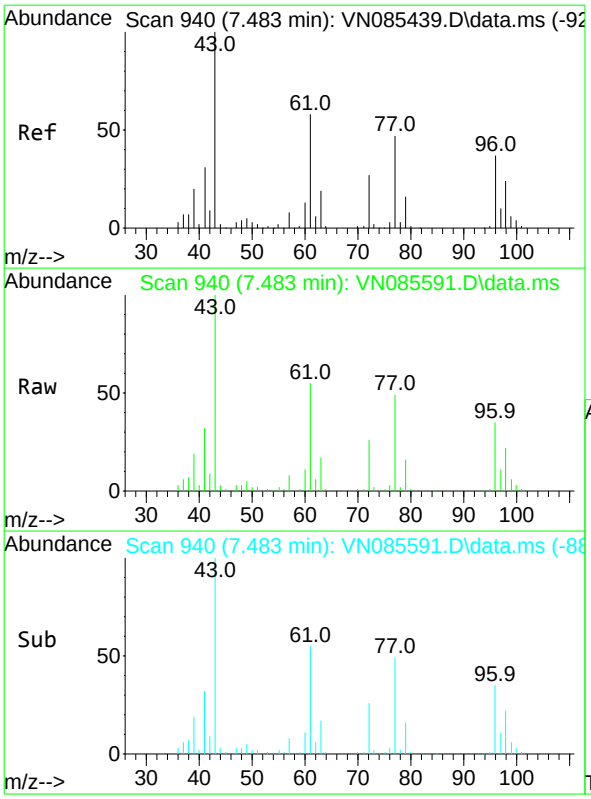


#26
2,2-Dichloropropane
Concen: 54.902 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion: 77 Resp: 199084

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.7	32.1





#27
cis-1,2-Dichloroethene
Concen: 49.110 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

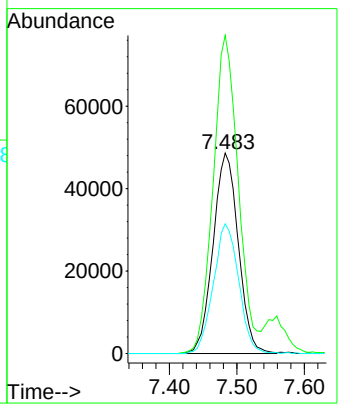
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

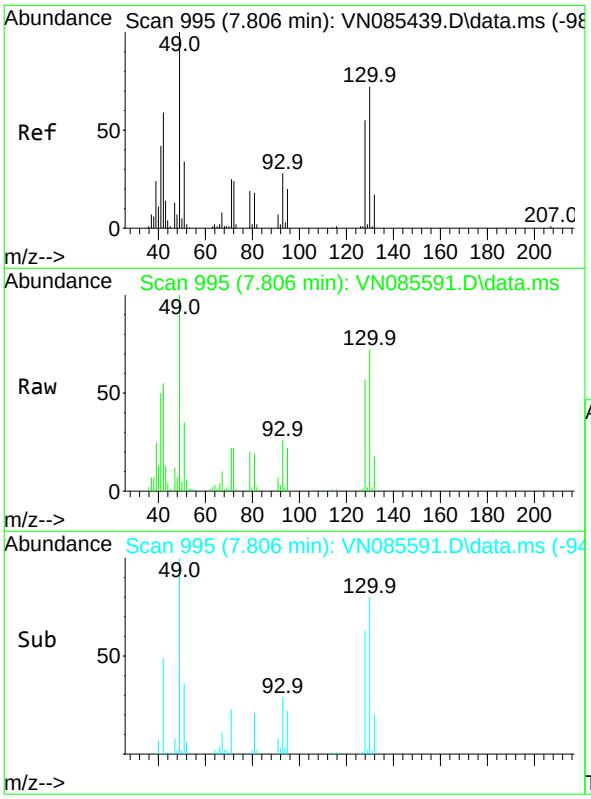
Tgt Ion: 96 Resp: 126248

Ion	Ratio	Lower	Upper
96	100		
61	158.7	0.0	311.8
98	64.9	0.0	126.0

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

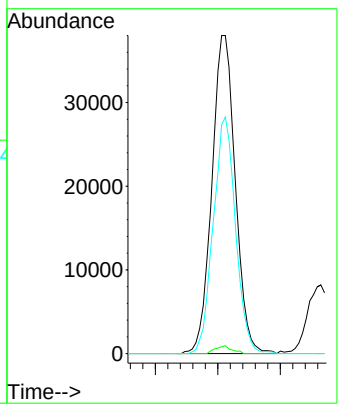


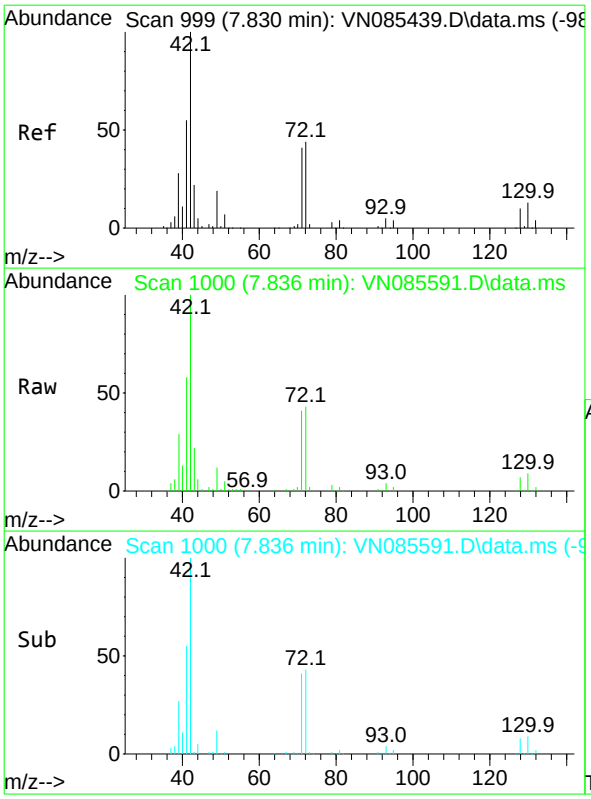


#28
Bromochloromethane
Concen: 47.443 ug/l
RT: 7.806 min Scan# 995
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion: 49 Resp: 98995

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.4
130	70.9	55.0	82.4





#29
Tetrahydrofuran
Concen: 266.707 ug/l
RT: 7.836 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

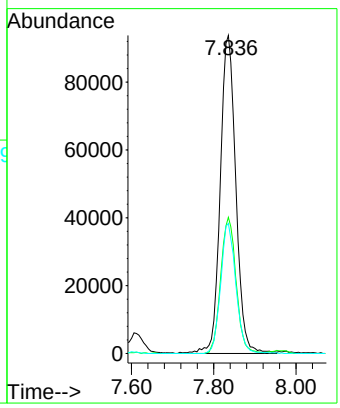
Tgt Ion: 42 Resp: 246967

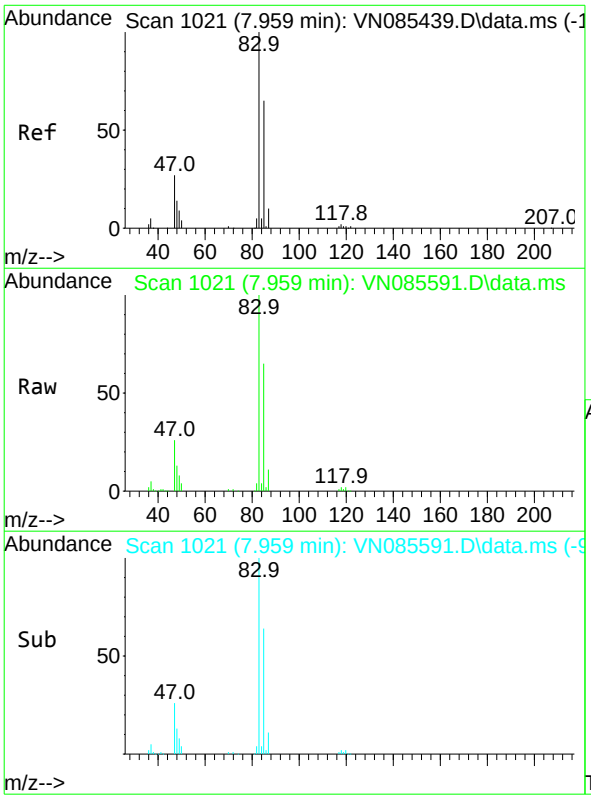
Ion	Ratio	Lower	Upper
42	100		
72	42.1	34.2	51.2
71	39.9	32.5	48.7

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

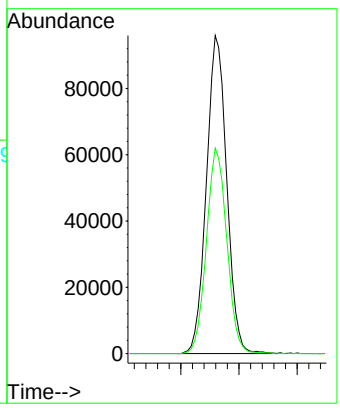


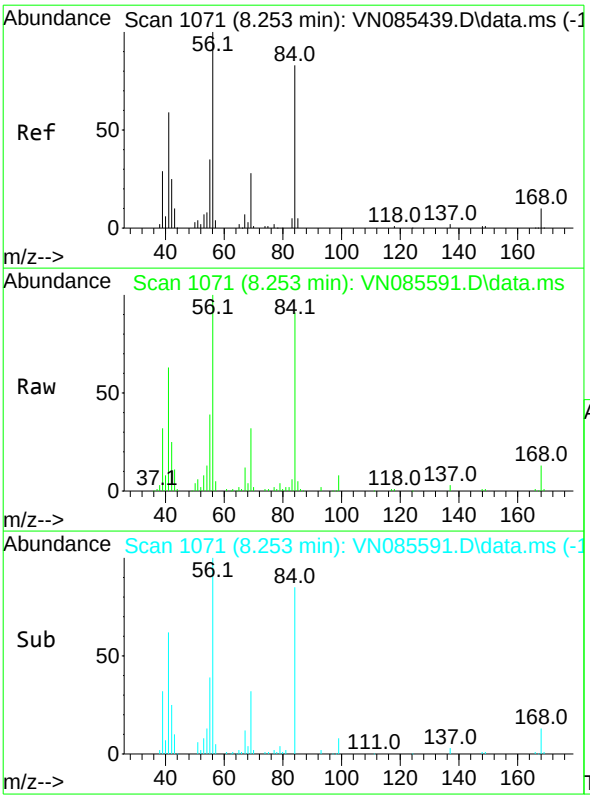


#30
Chloroform
Concen: 50.126 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion: 83 Resp: 232358

Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.8	77.6

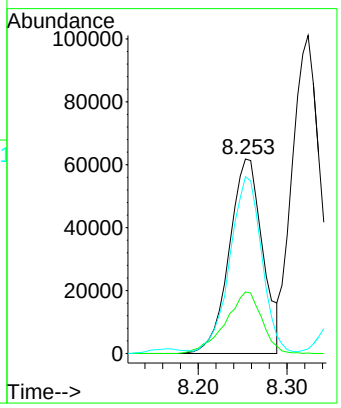




#31
Cyclohexane
Concen: 41.402 ug/l
RT: 8.253 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion: 56 Resp: 161397

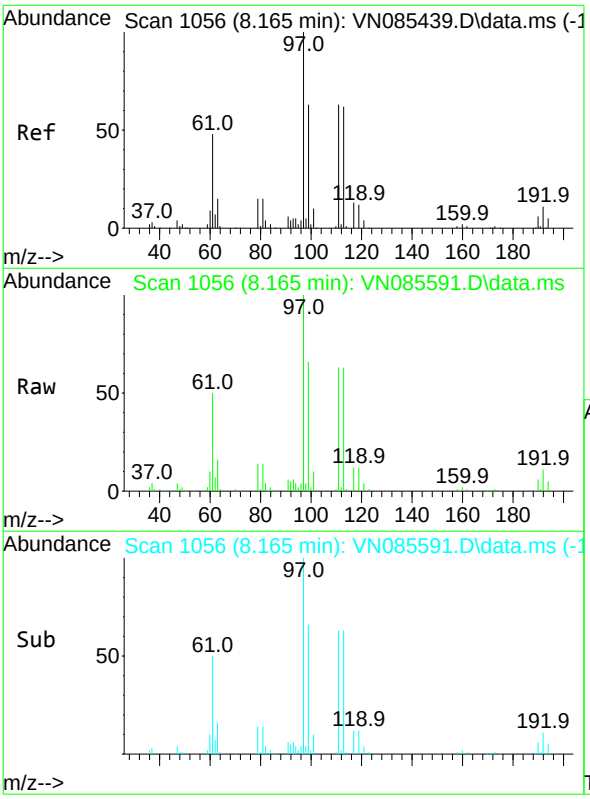
Ion	Ratio	Lower	Upper
56	100		
69	31.7	22.2	33.4
84	89.1	66.4	99.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

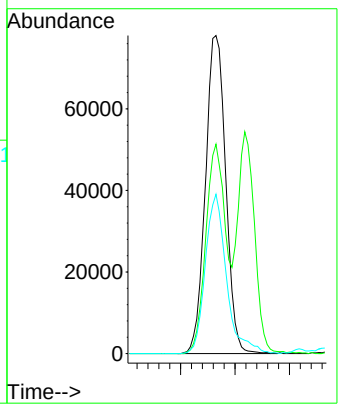
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

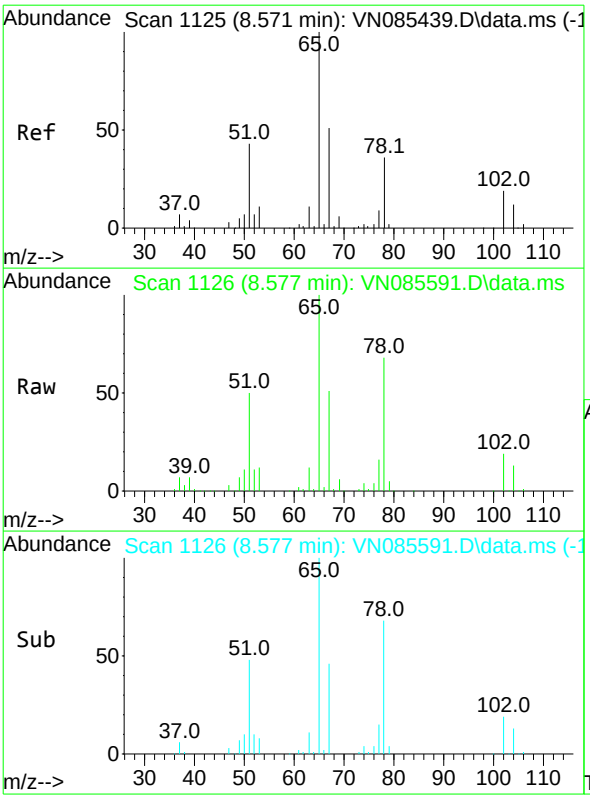


#32
1,1,1-Trichloroethane
Concen: 49.666 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion: 97 Resp: 201948

Ion	Ratio	Lower	Upper
97	100		
99	65.3	49.8	74.6
61	52.3	41.4	62.2

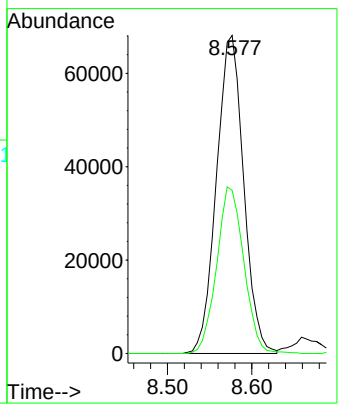




#33
1,2-Dichloroethane-d4
Concen: 49.634 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion: 65 Resp: 152459

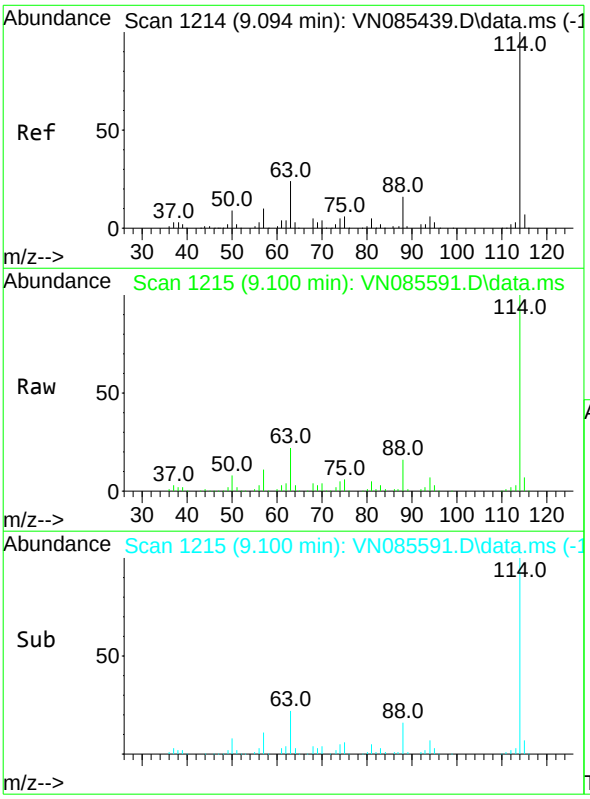
Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	101.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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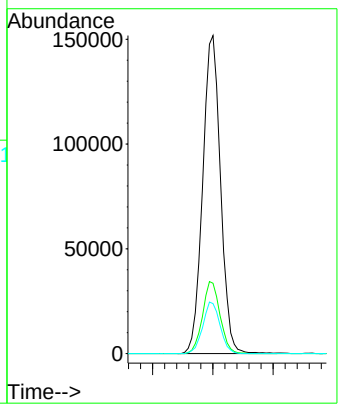
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

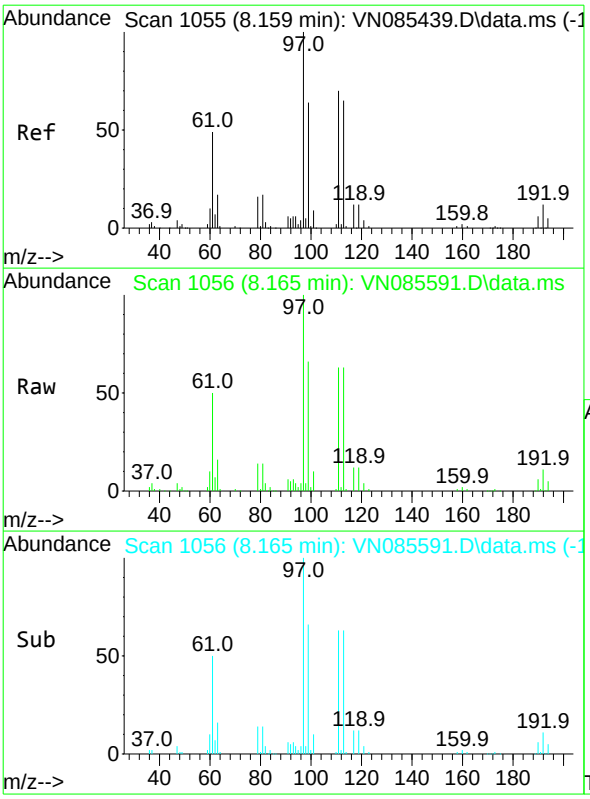


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion:114 Resp: 311950

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	47.6
88	15.7	0.0	32.6





#35
Dibromofluoromethane
Concen: 53.927 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

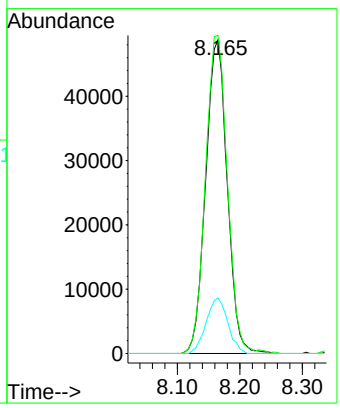
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

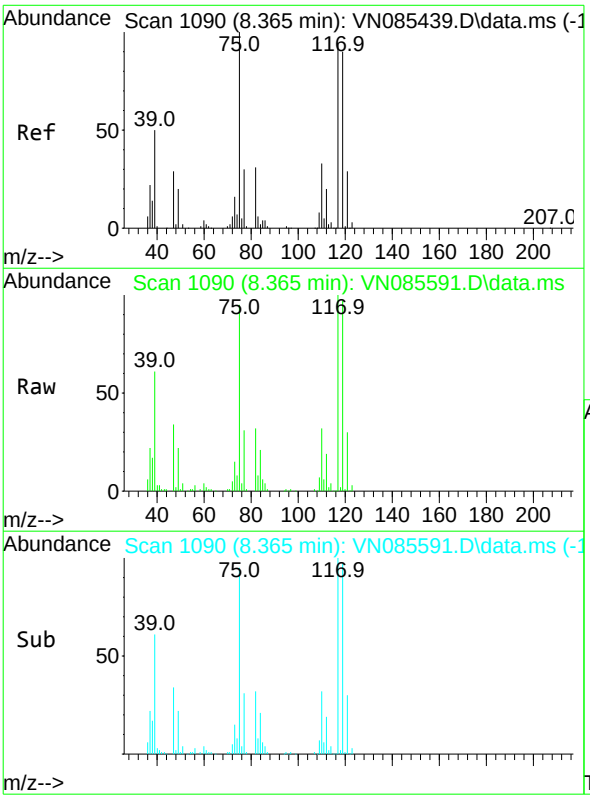
Tgt Ion:113 Resp: 116708

Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.7	124.1
192	17.8	14.3	21.5

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

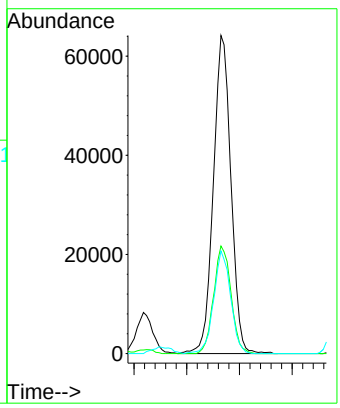


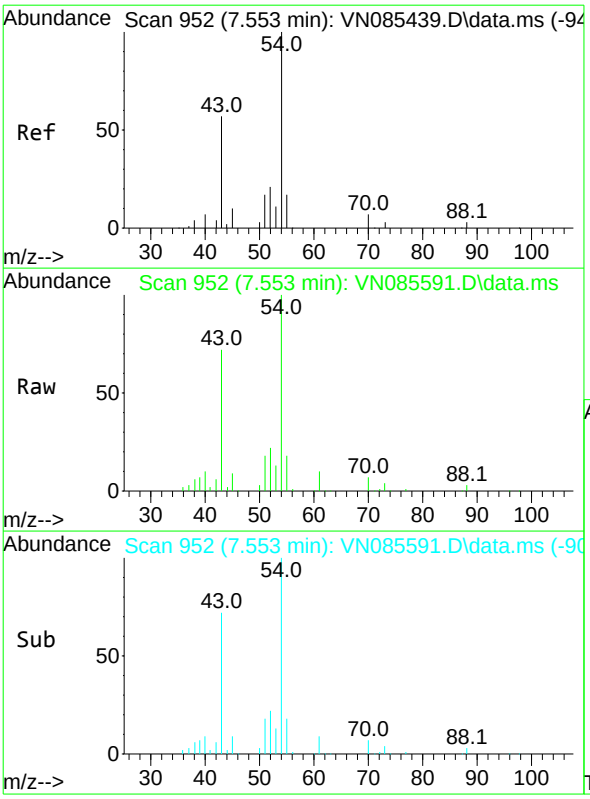


#36
1,1-Dichloropropene
Concen: 49.002 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion: 75 Resp: 148837

Ion	Ratio	Lower	Upper
75	100		
110	33.3	16.5	49.5
77	31.1	24.4	36.6





#37
Ethyl Acetate
Concen: 49.505 ug/l
RT: 7.553 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

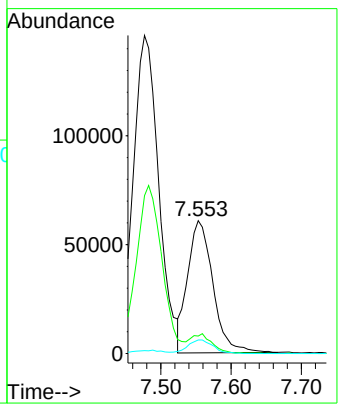
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

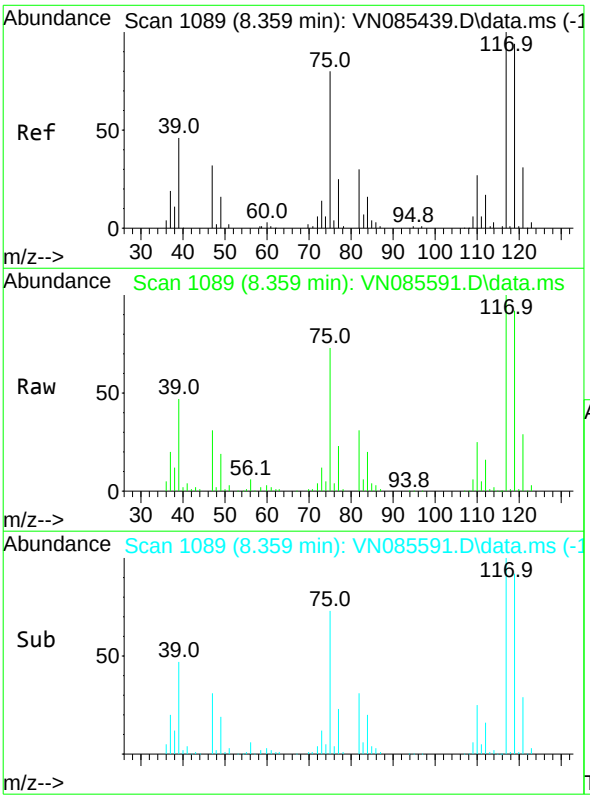
Tgt Ion: 43 Resp: 151771

Ion	Ratio	Lower	Upper
43	100		
61	12.0	10.9	16.3
70	10.2	7.5	11.3

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

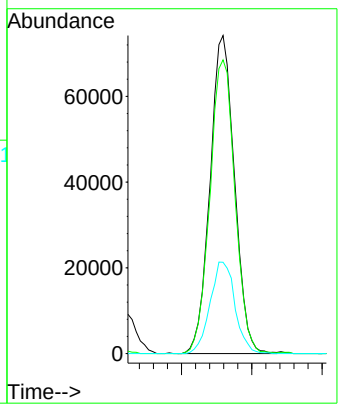


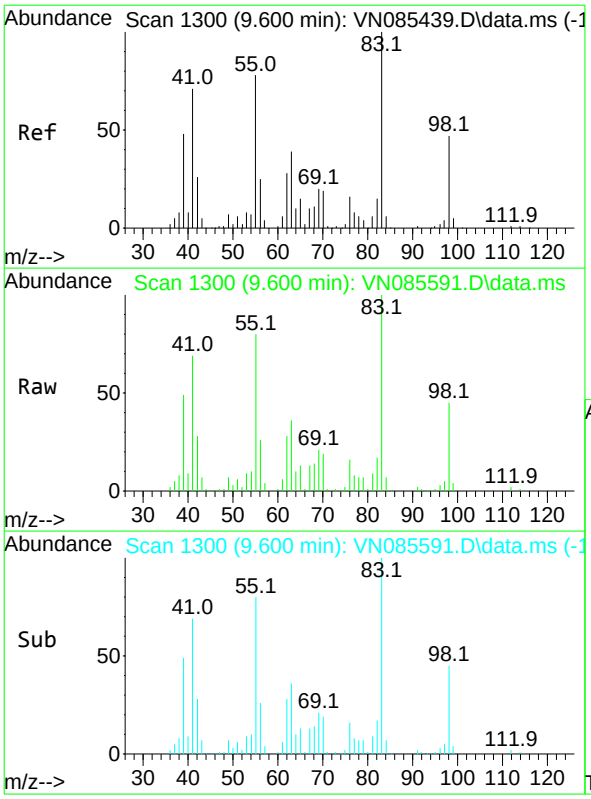


#38
Carbon Tetrachloride
Concen: 51.696 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion:117 Resp: 179763

Ion	Ratio	Lower	Upper
117	100		
119	92.4	75.4	113.2
121	28.7	24.6	37.0

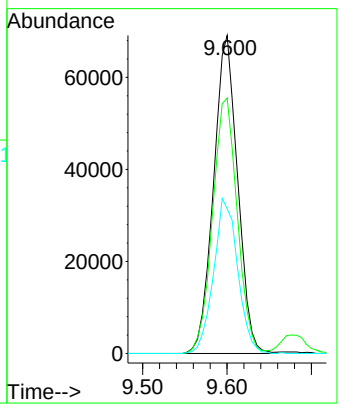




#39
Methylcyclohexane
Concen: 47.944 ug/l
RT: 9.600 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion: 83 Resp: 136843

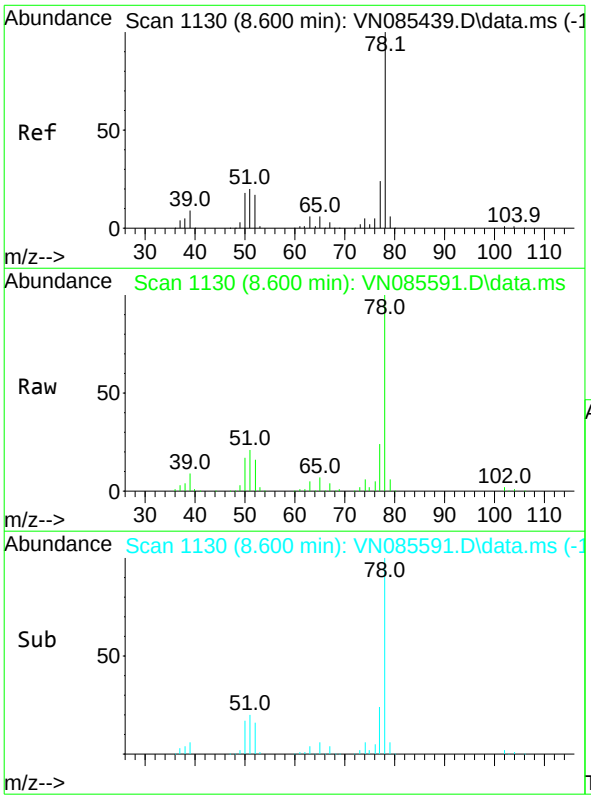
Ion	Ratio	Lower	Upper
83	100		
55	80.3	62.6	94.0
98	45.5	37.7	56.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

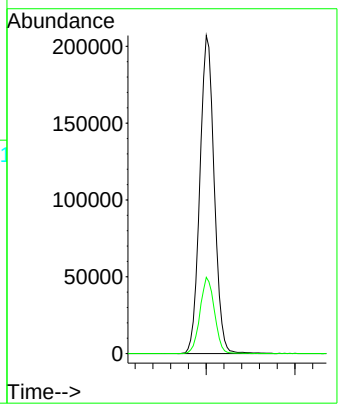
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

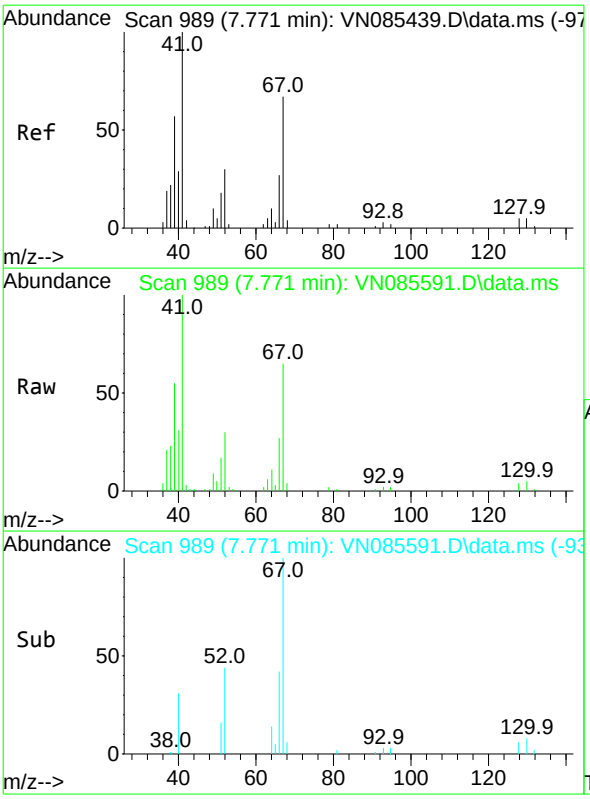


#40
Benzene
Concen: 50.976 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion: 78 Resp: 465224

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.6

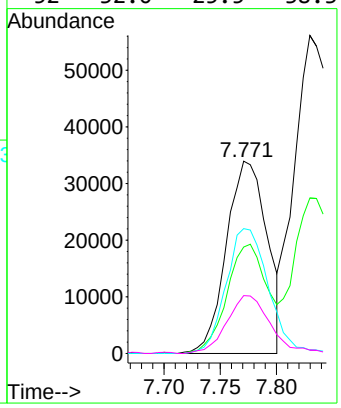




#41
Methacrylonitrile
Concen: 53.528 ug/l
RT: 7.771 min Scan# 98
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion: 41 Resp: 85378

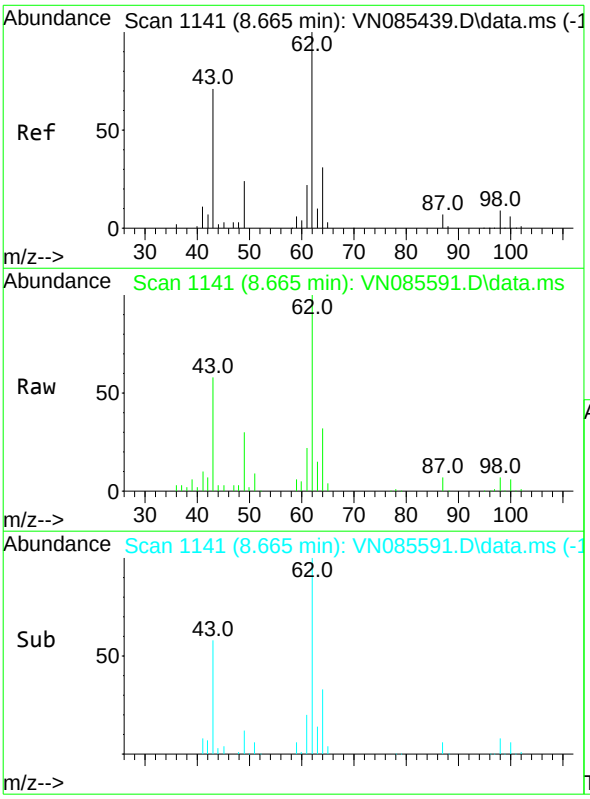
Ion	Ratio	Lower	Upper
41	100		
39	56.2	46.0	69.0
67	67.9	57.4	86.2
52	32.0	25.5	38.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

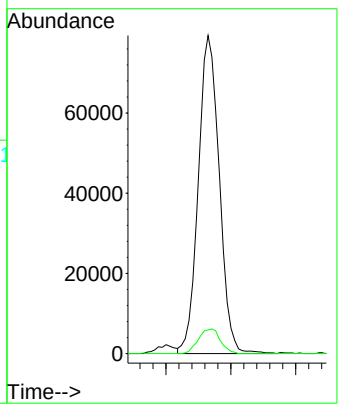
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

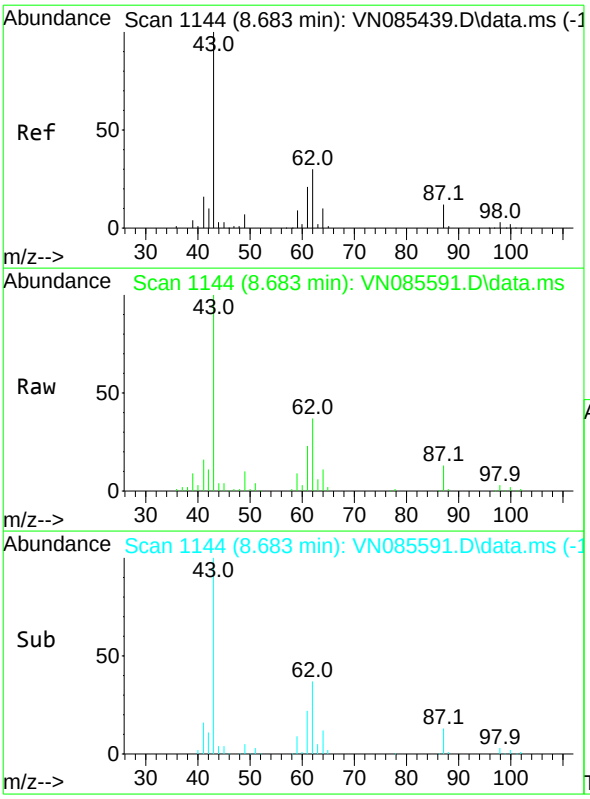


#42
1,2-Dichloroethane
Concen: 51.851 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion: 62 Resp: 178224

Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	17.0





#43
Isopropyl Acetate
Concen: 52.309 ug/l
RT: 8.683 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

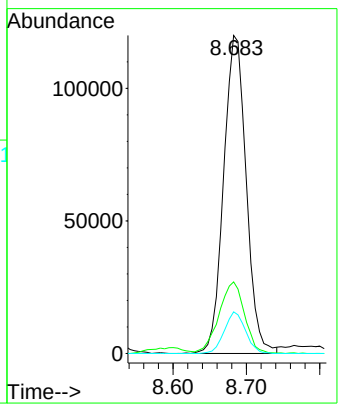
Tgt Ion: 43 Resp: 256966

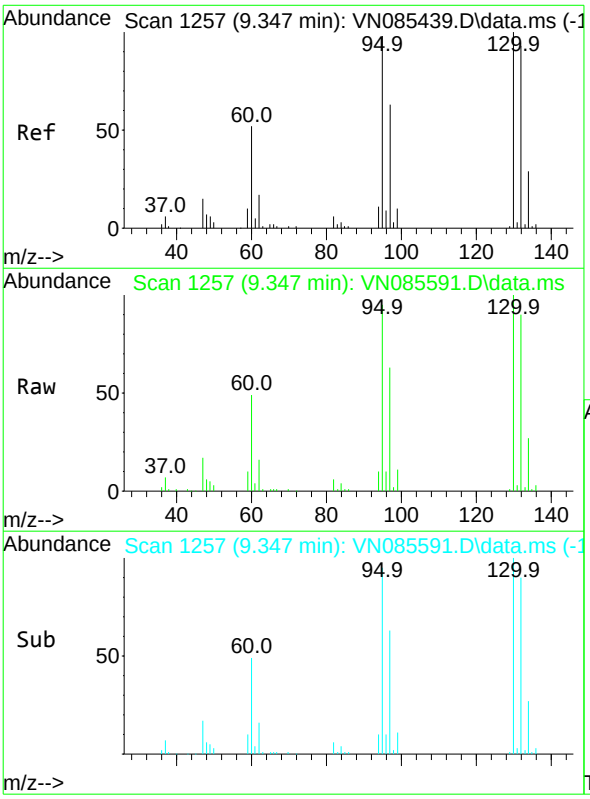
Ion	Ratio	Lower	Upper
43	100		
61	25.5	20.7	31.1
87	12.2	9.8	14.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

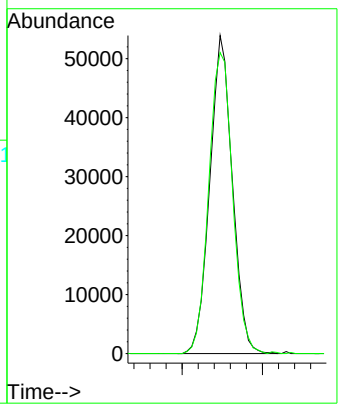


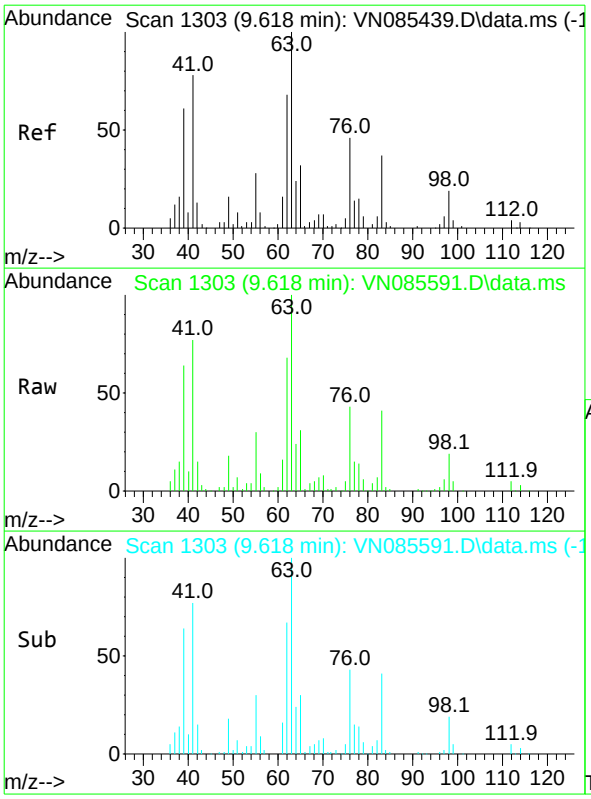


#44
Trichloroethene
Concen: 49.486 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion:130 Resp: 105127

Ion	Ratio	Lower	Upper
130	100		
95	94.6	0.0	195.8

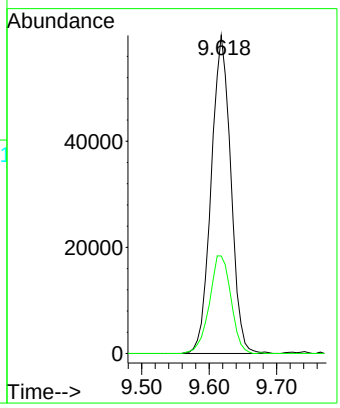




#45
1,2-Dichloropropane
Concen: 51.880 ug/l
RT: 9.618 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion: 63 Resp: 120938

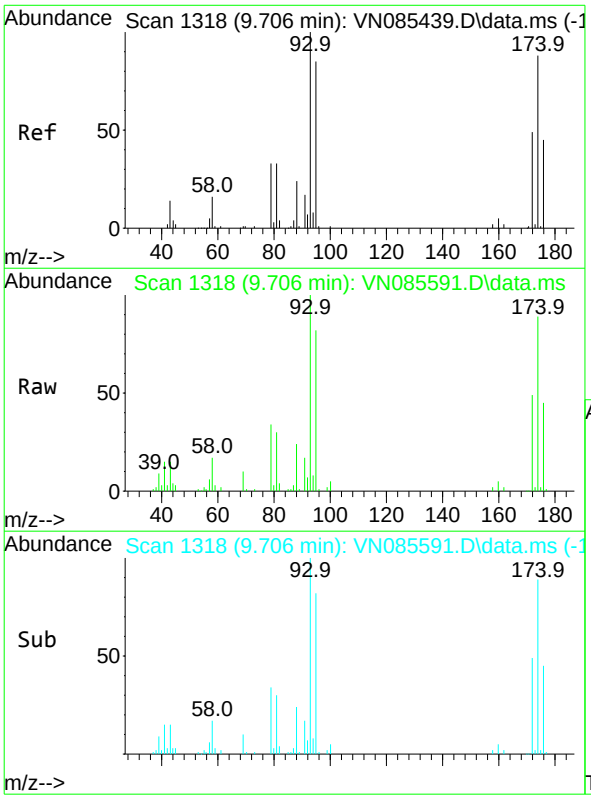
Ion	Ratio	Lower	Upper
63	100		
65	30.6	25.6	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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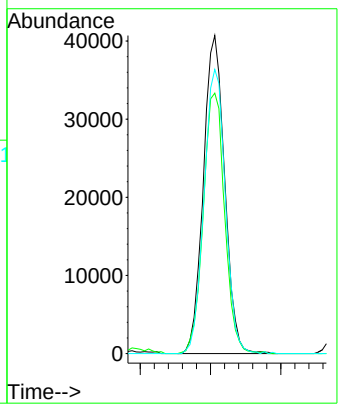
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

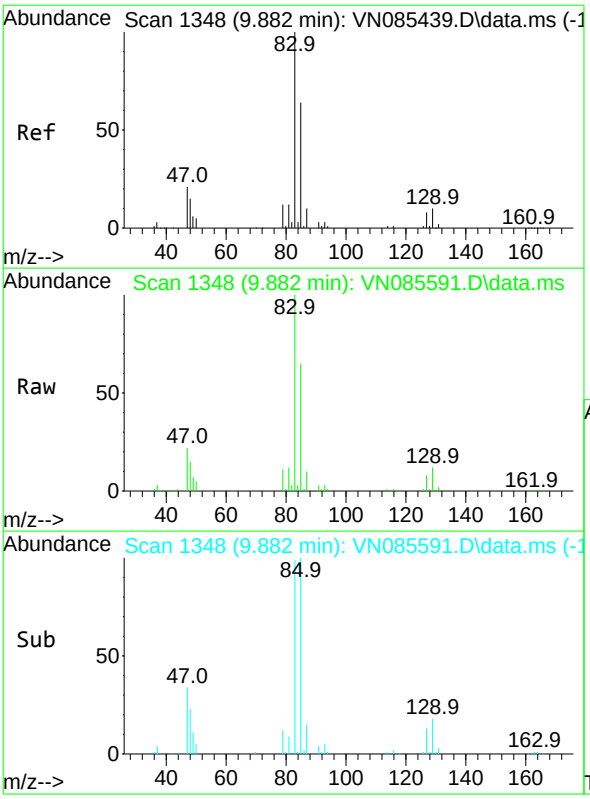


#46
Dibromomethane
Concen: 50.884 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion: 93 Resp: 85588

Ion	Ratio	Lower	Upper
93	100		
95	82.6	64.7	97.1
174	89.5	69.0	103.4

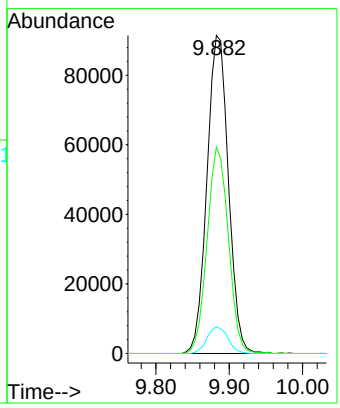




#47
Bromodichloromethane
Concen: 54.191 ug/l
RT: 9.882 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion: 83 Resp: 185704

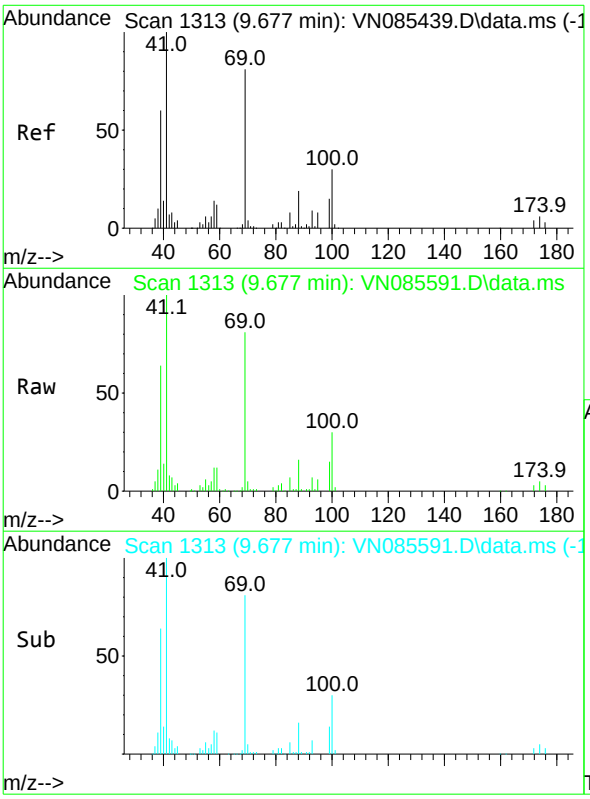
Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.2	76.8
127	8.4	6.5	9.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

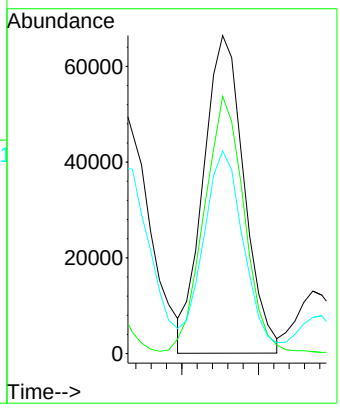
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

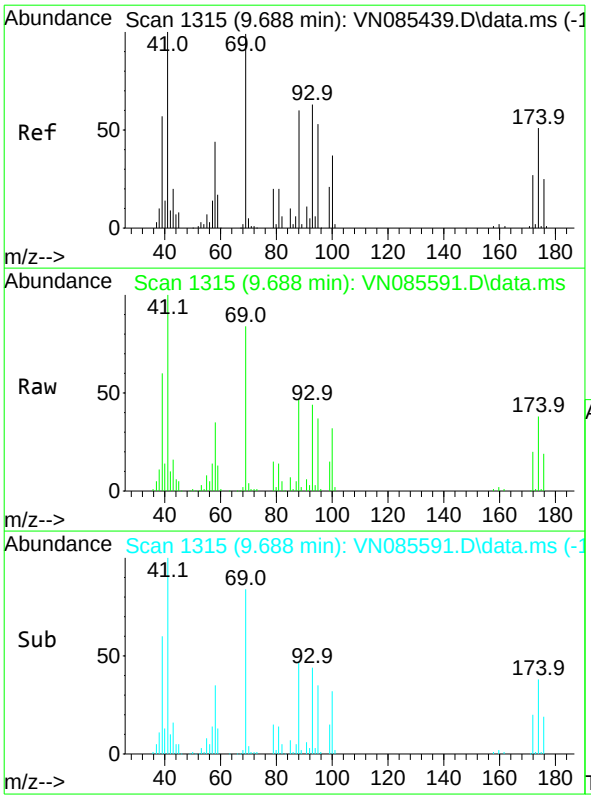


#48
Methyl methacrylate
Concen: 55.425 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion: 41 Resp: 122530

Ion	Ratio	Lower	Upper
41	100		
69	80.3	64.7	97.1
39	63.2	49.0	73.6

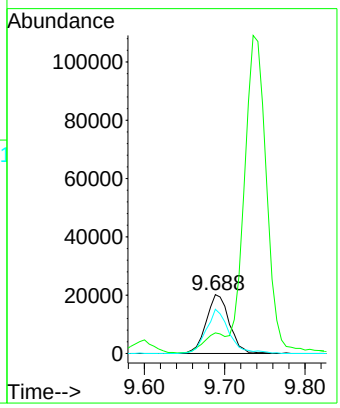




#49
1,4-Dioxane
Concen: 1082.516 ug/l
RT: 9.688 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion: 88 Resp: 40300

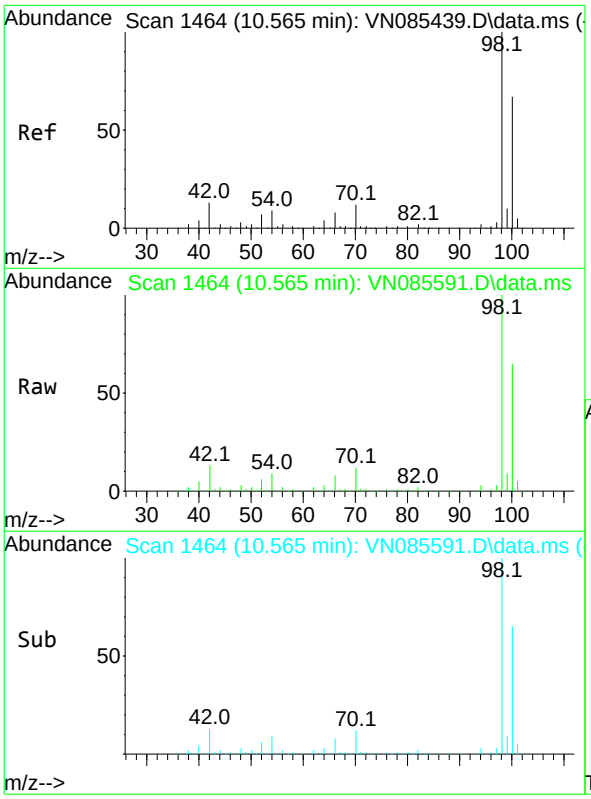
Ion	Ratio	Lower	Upper
88	100		
43	31.2	26.6	39.8
58	74.6	59.5	89.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

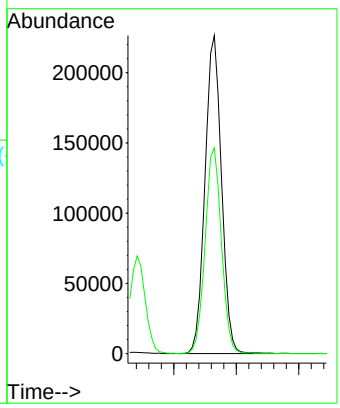
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

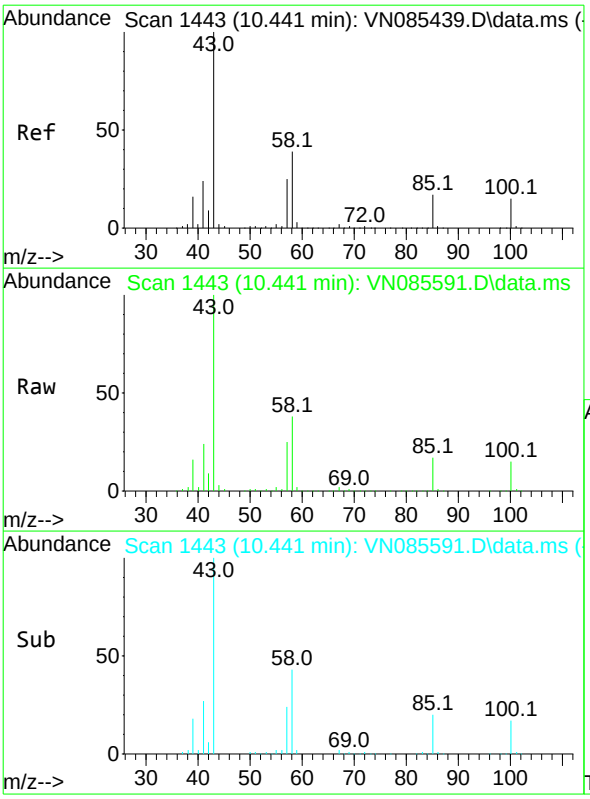


#50
Toluene-d8
Concen: 54.021 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion: 98 Resp: 415377

Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.2	78.4





#51
4-Methyl-2-Pentanone
Concen: 285.284 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

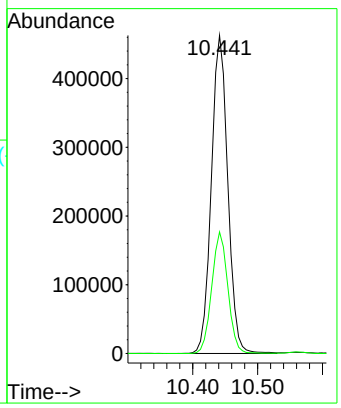
Tgt Ion: 43 Resp: 813239

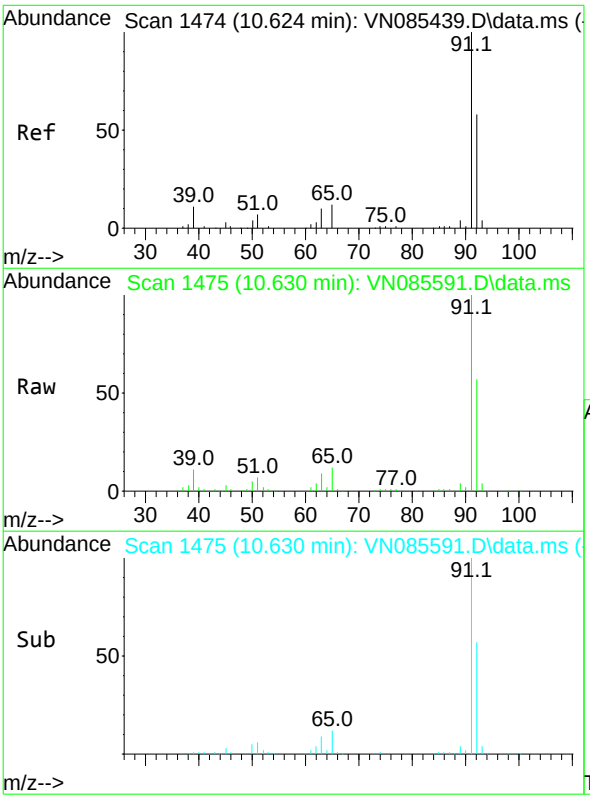
Ion	Ratio	Lower	Upper
43	100		
58	37.5	30.5	45.7

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

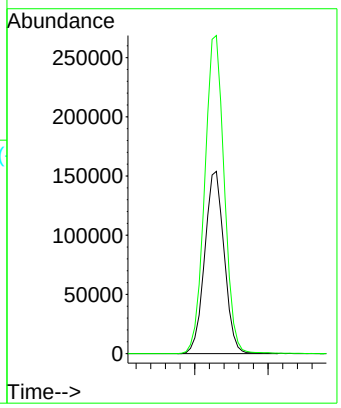


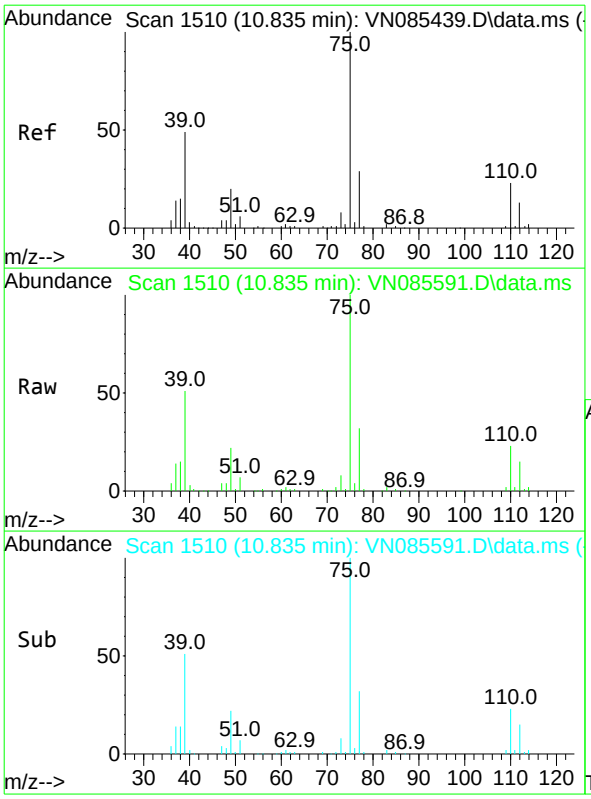


#52
Toluene
Concen: 53.686 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.005 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion: 92 Resp: 283889

Ion	Ratio	Lower	Upper
92	100		
91	175.0	139.2	208.8

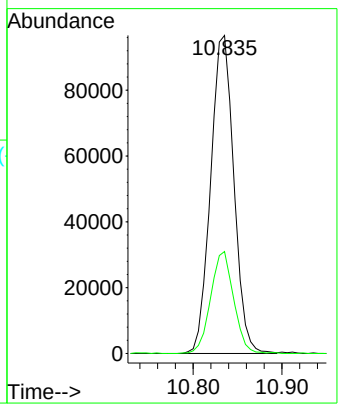




#53
t-1,3-Dichloropropene
Concen: 54.277 ug/l
RT: 10.835 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion: 75 Resp: 175773

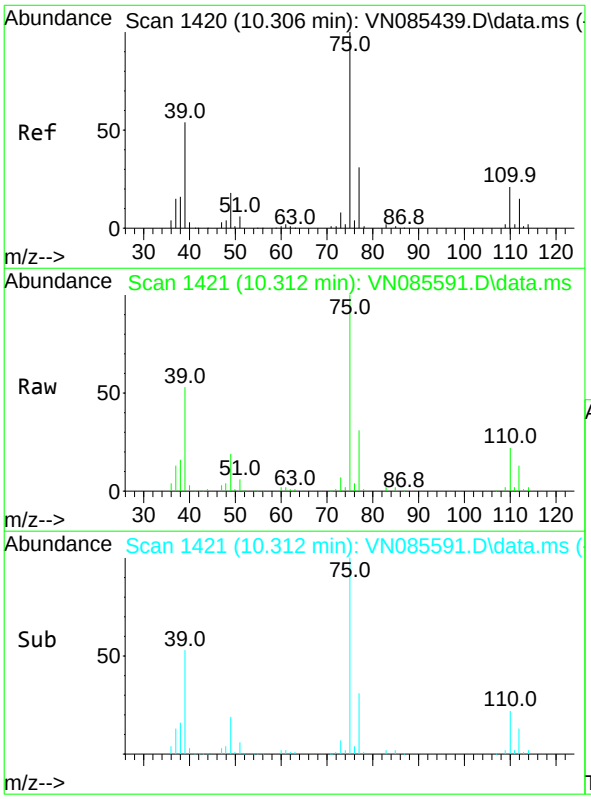
Ion	Ratio	Lower	Upper
75	100		
77	32.1	23.5	35.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

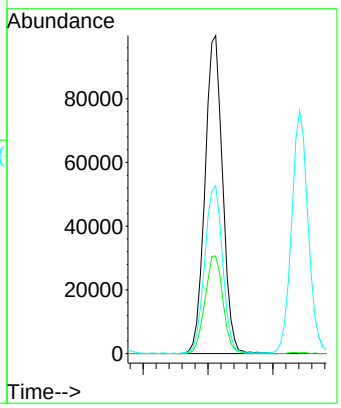
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

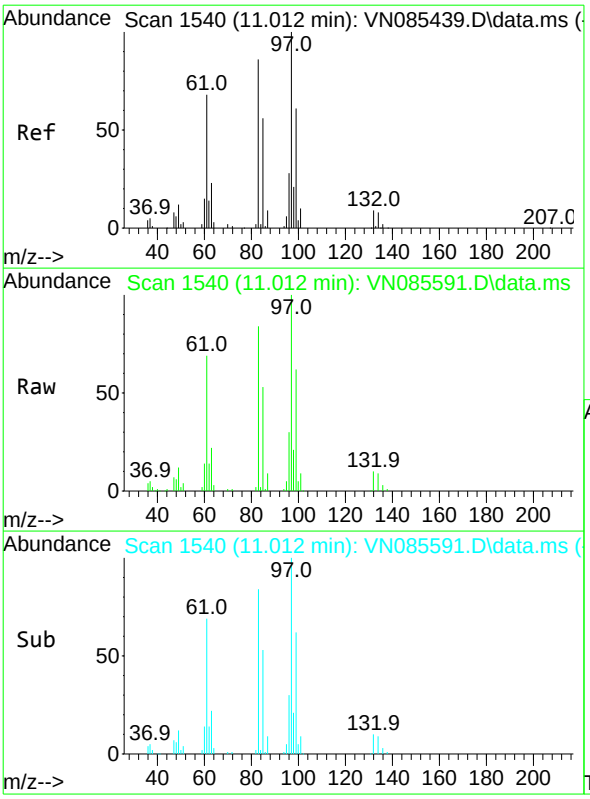


#54
cis-1,3-Dichloropropene
Concen: 54.468 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.006 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion: 75 Resp: 188416

Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.0	37.4
39	52.8	43.1	64.7

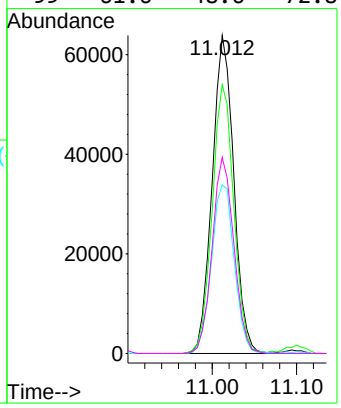




#55
1,1,2-Trichloroethane
Concen: 54.314 ug/l
RT: 11.012 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion: 97 Resp: 113662

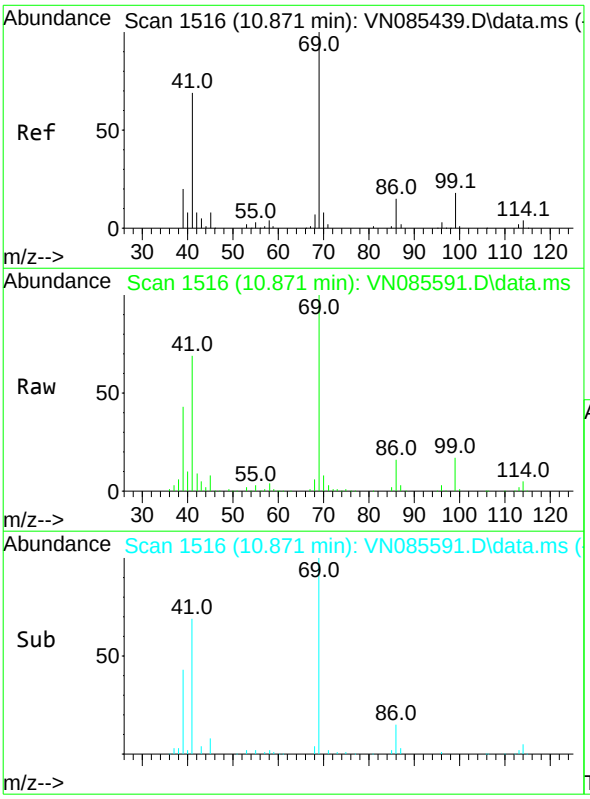
Ion	Ratio	Lower	Upper
97	100		
83	84.5	69.0	103.6
85	53.0	44.6	66.8
99	61.6	48.6	72.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

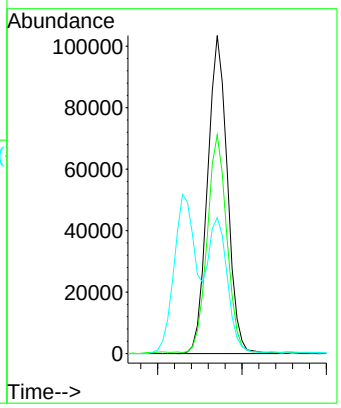
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

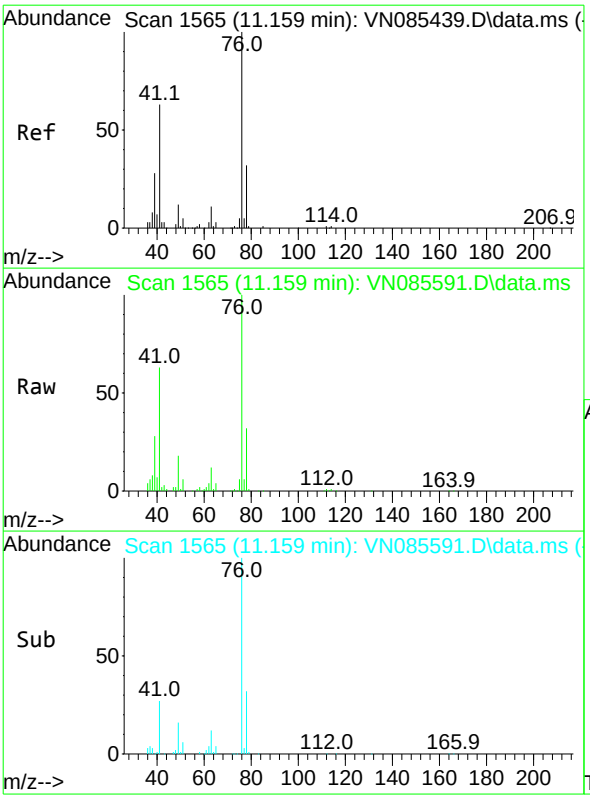


#56
Ethyl methacrylate
Concen: 47.979 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion: 69 Resp: 168851

Ion	Ratio	Lower	Upper
69	100		
41	67.5	54.6	82.0
39	40.9	32.4	48.6

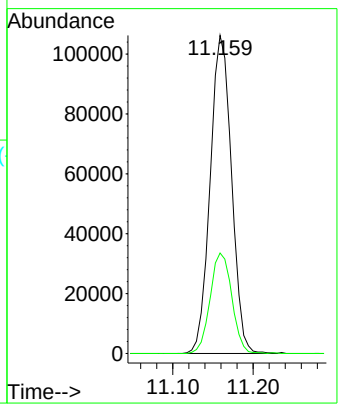




#57
1,3-Dichloropropane
Concen: 53.898 ug/l
RT: 11.159 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion: 76 Resp: 196125

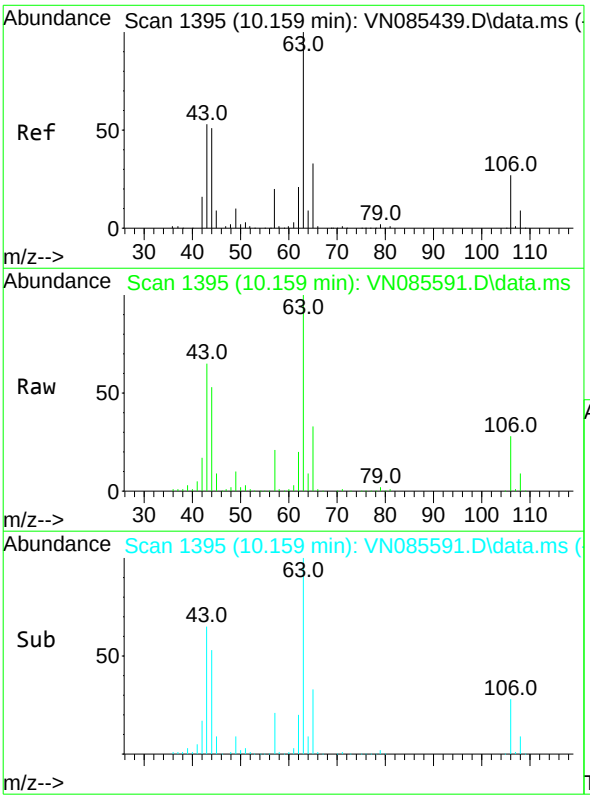
Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.6	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

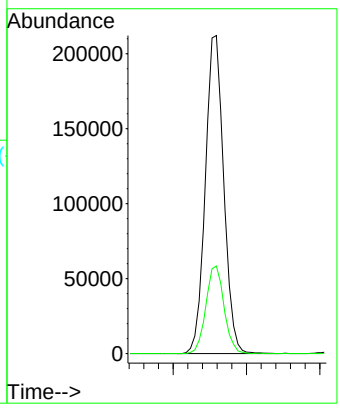
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

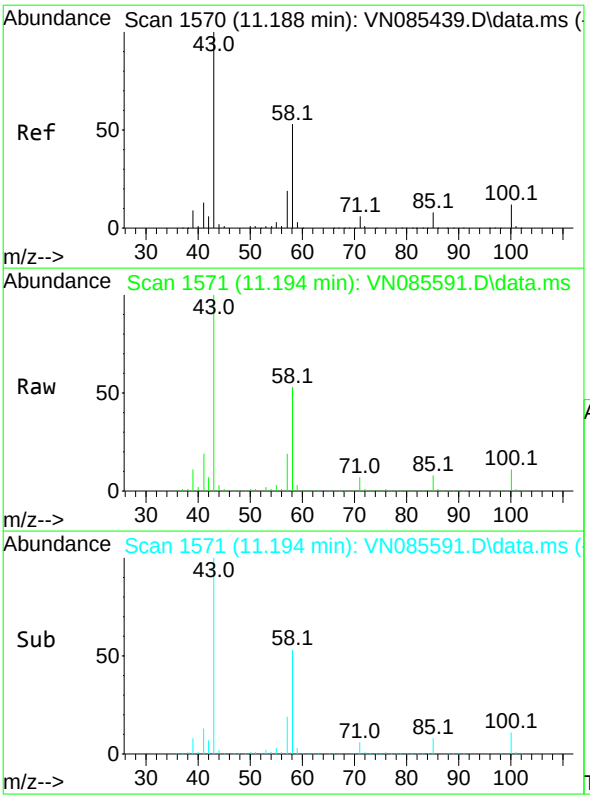


#58
2-Chloroethyl Vinyl ether
Concen: 278.261 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion: 63 Resp: 369534

Ion	Ratio	Lower	Upper
63	100		
106	27.2	21.6	32.4





#59
2-Hexanone
Concen: 292.282 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

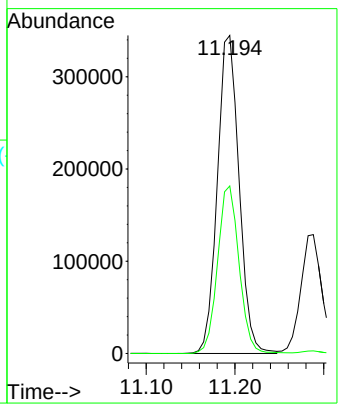
Tgt Ion: 43 Resp: 586256

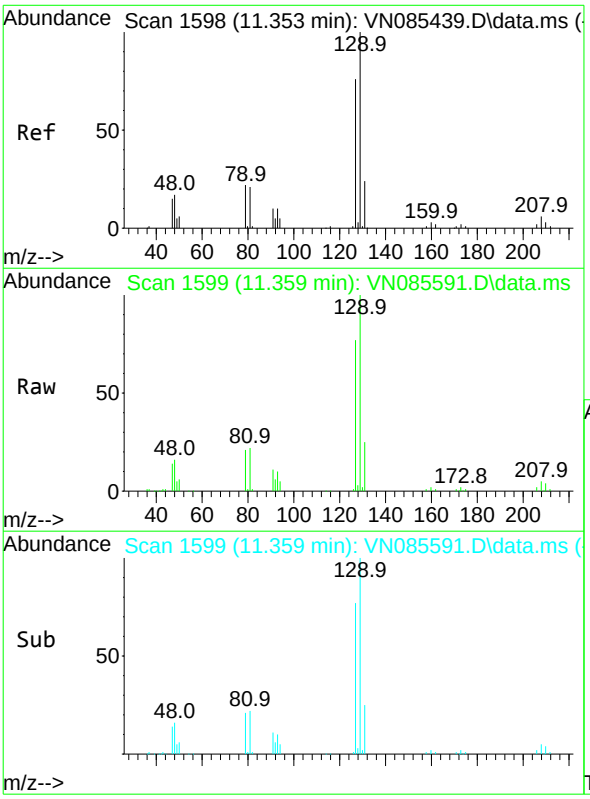
Ion	Ratio	Lower	Upper
43	100		
58	52.2	26.2	78.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

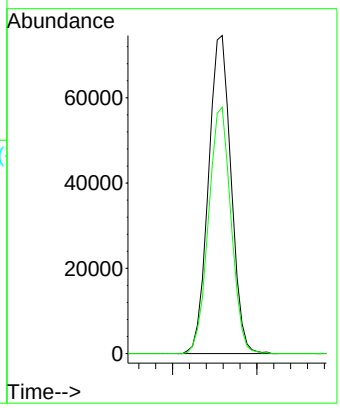


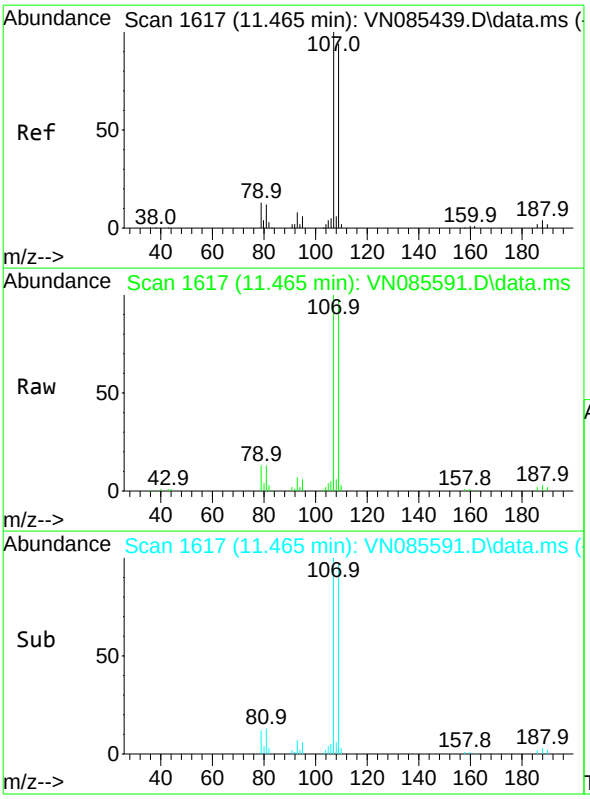


#60
Dibromochloromethane
Concen: 55.058 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion:129 Resp: 139102

Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.6	115.8





#61
1,2-Dibromoethane
Concen: 51.584 ug/l
RT: 11.465 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

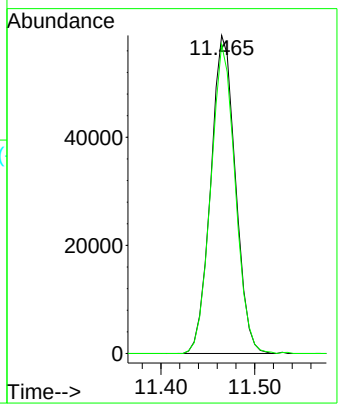
Tgt Ion:107 Resp: 107453

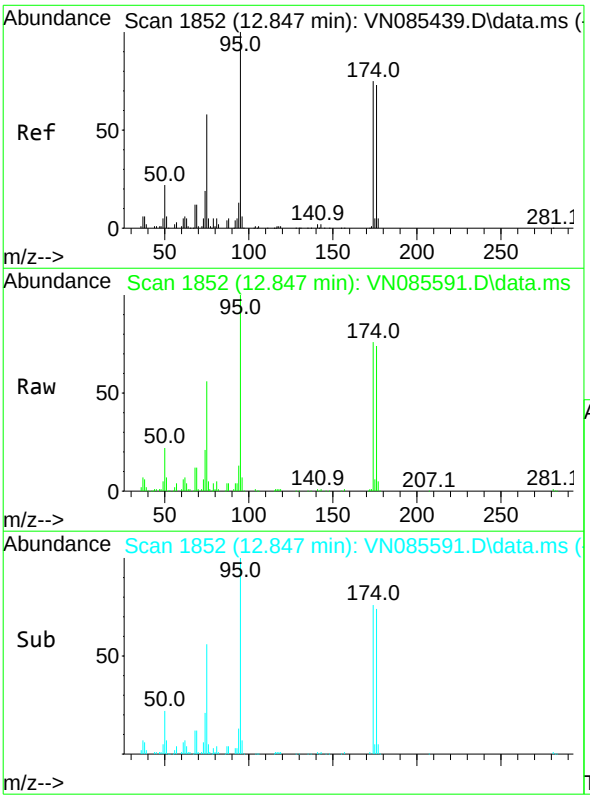
Ion	Ratio	Lower	Upper
107	100		
109	96.1	75.9	113.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

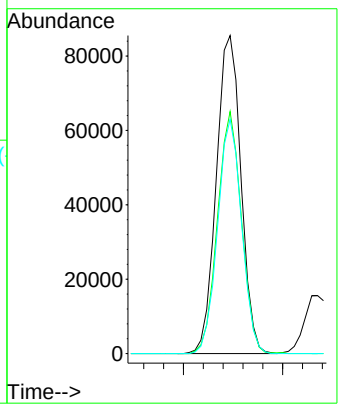


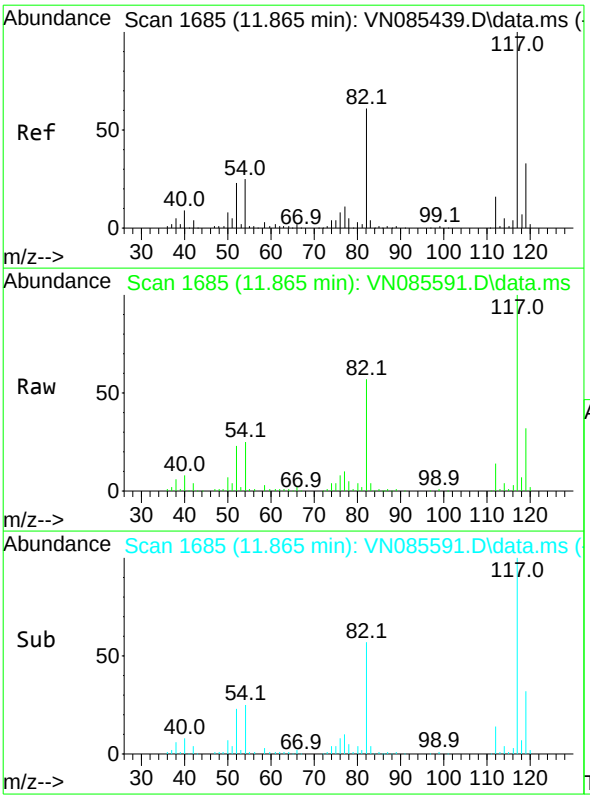


#62
4-Bromofluorobenzene
Concen: 56.078 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion: 95 Resp: 147501

Ion	Ratio	Lower	Upper
95	100		
174	74.1	0.0	145.0
176	71.4	0.0	142.4

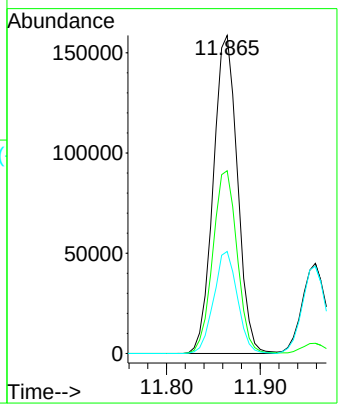




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion:117 Resp: 284481

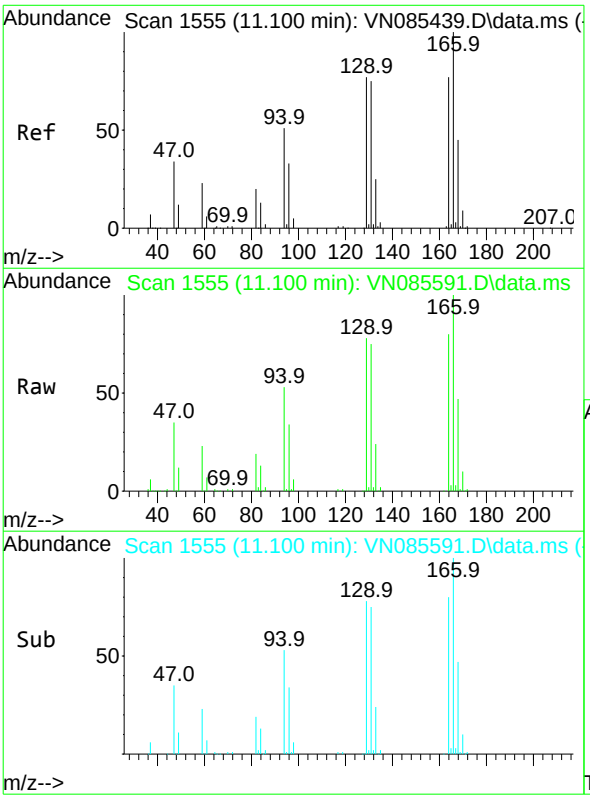
Ion	Ratio	Lower	Upper
117	100		
82	57.5	48.6	72.8
119	32.1	26.6	39.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

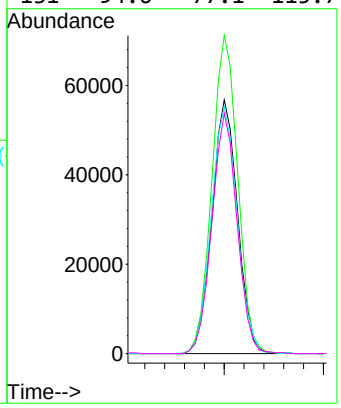
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

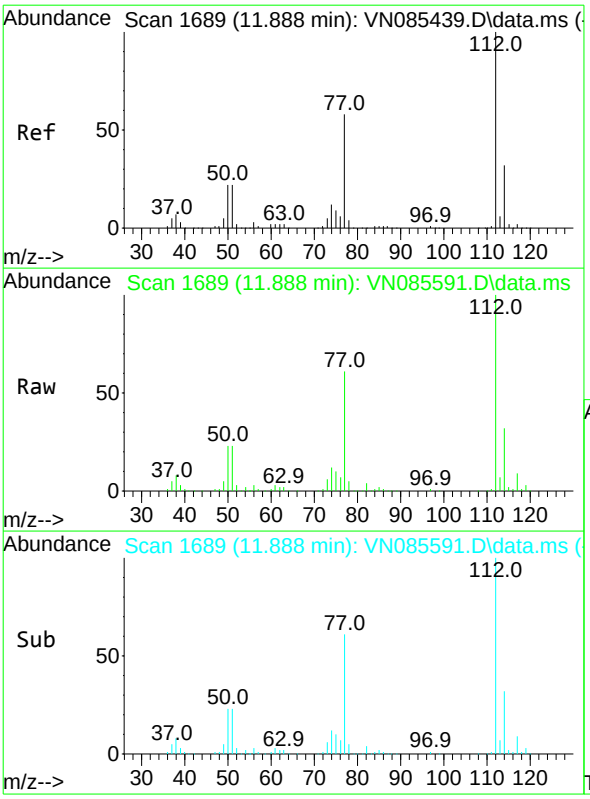


#64
Tetrachloroethene
Concen: 52.413 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion:164 Resp: 101650

Ion	Ratio	Lower	Upper
164	100		
166	125.4	103.4	155.2
129	97.3	79.2	118.8
131	94.6	77.1	115.7





#65
Chlorobenzene
Concen: 49.786 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

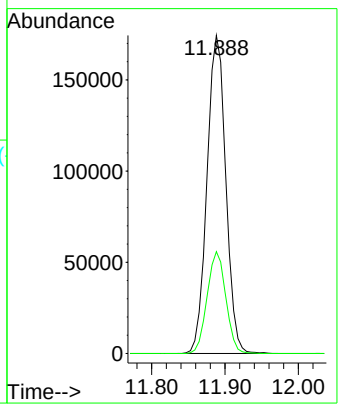
Tgt Ion:112 Resp: 310267

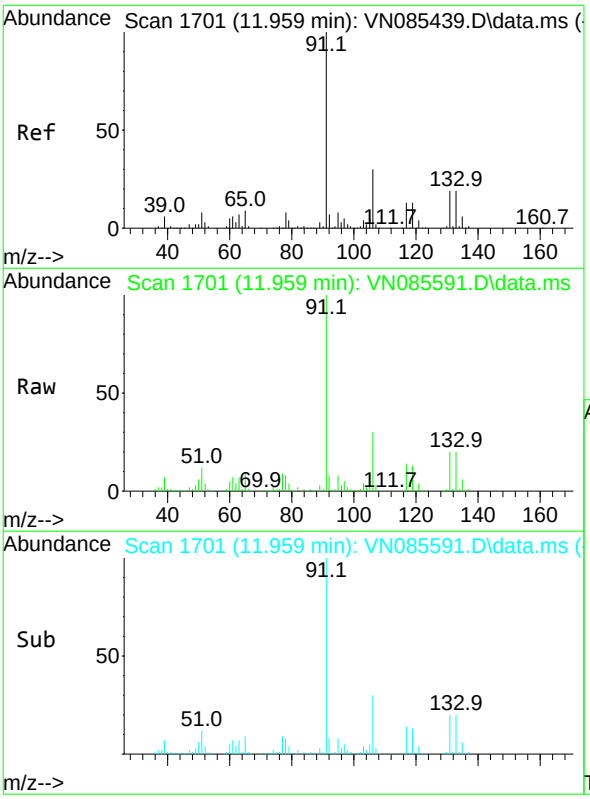
Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.3	37.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

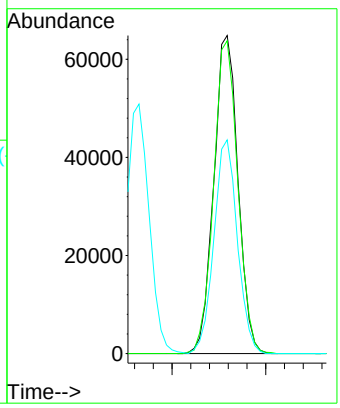


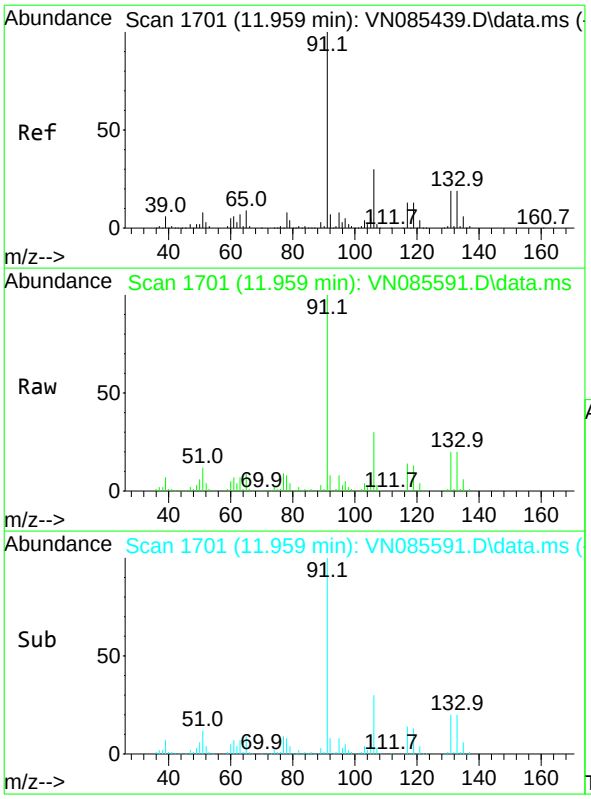


#66
1,1,1,2-Tetrachloroethane
Concen: 50.764 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion:131 Resp: 116111

Ion	Ratio	Lower	Upper
131	100		
133	98.4	47.4	142.3
119	65.3	33.1	99.5





#67
Ethyl Benzene
Concen: 53.184 ug/l
RT: 11.959 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

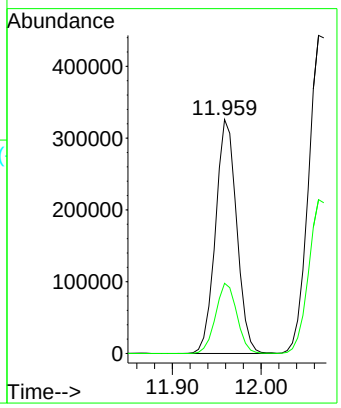
Tgt Ion: 91 Resp: 539837

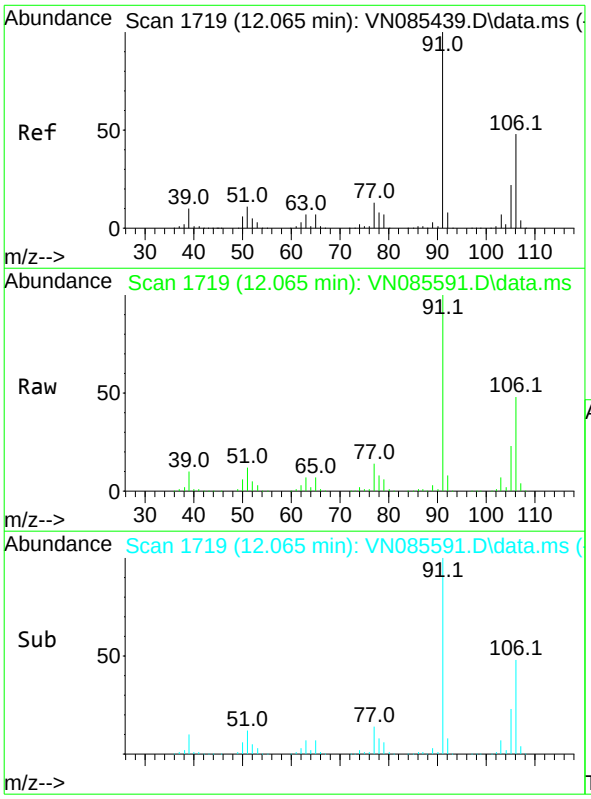
Ion	Ratio	Lower	Upper
91	100		
106	30.0	23.8	35.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

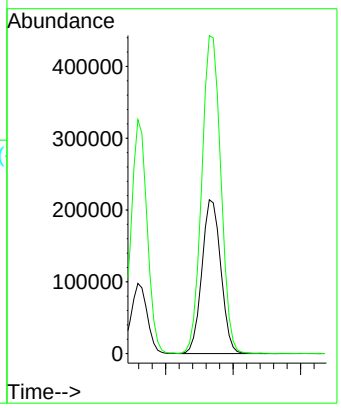


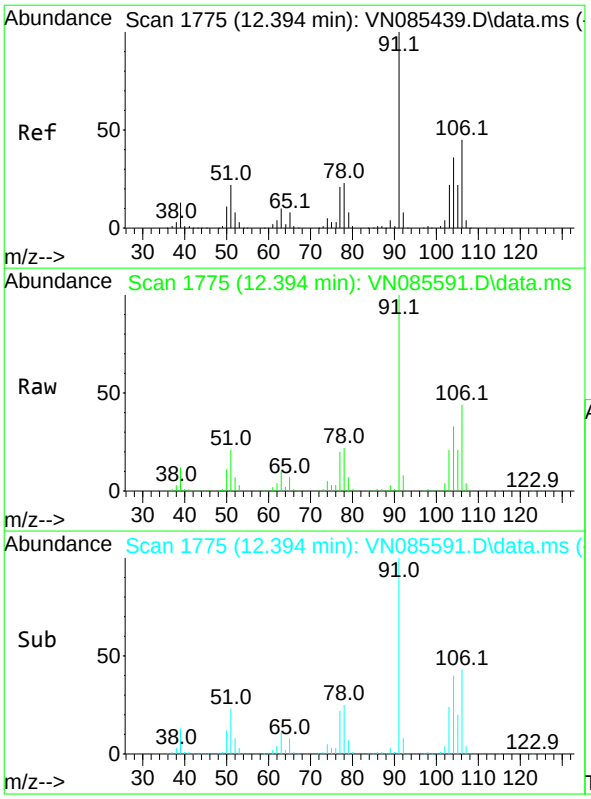


#68
m/p-Xylenes
Concen: 111.234 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion:106 Resp: 417283

Ion	Ratio	Lower	Upper
106	100		
91	208.0	167.7	251.5

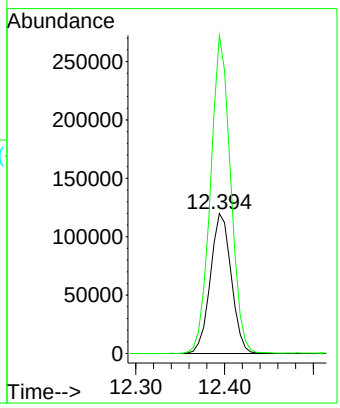




#69
o-Xylene
Concen: 54.671 ug/l
RT: 12.394 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion:106 Resp: 196000

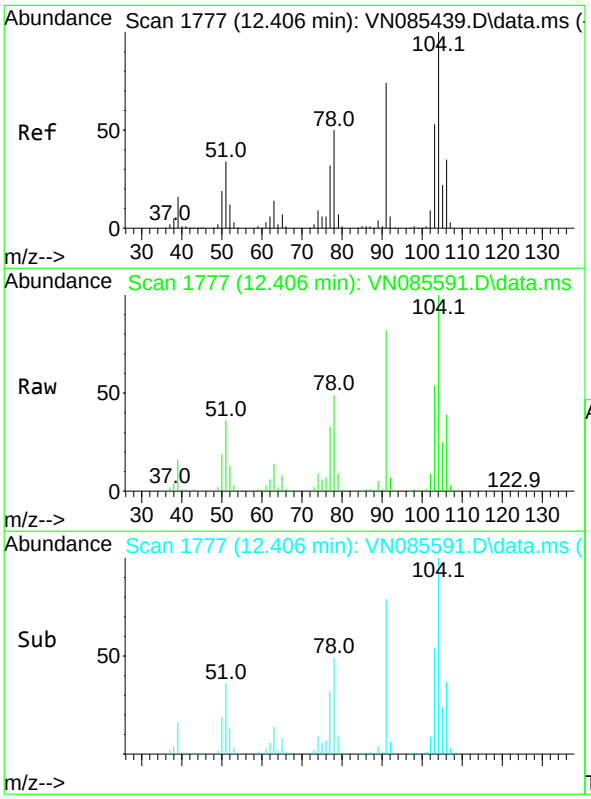
Ion	Ratio	Lower	Upper
106	100		
91	219.3	110.4	331.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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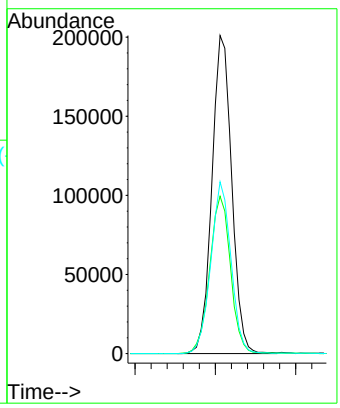
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

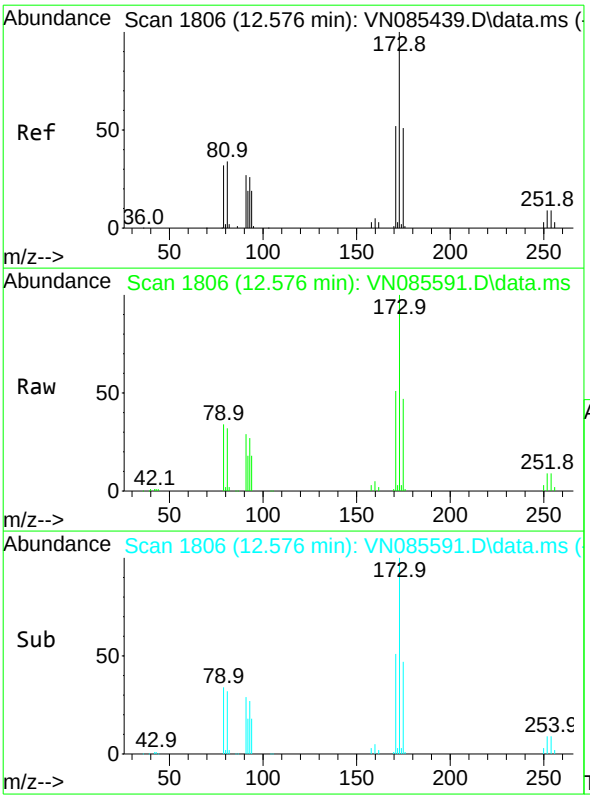


#70
Styrene
Concen: 58.039 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion:104 Resp: 344358

Ion	Ratio	Lower	Upper
104	100		
78	52.0	42.5	63.7
103	55.0	43.8	65.8





#71
Bromoform
Concen: 55.254 ug/l
RT: 12.576 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

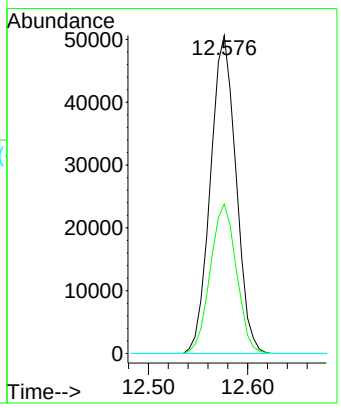
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

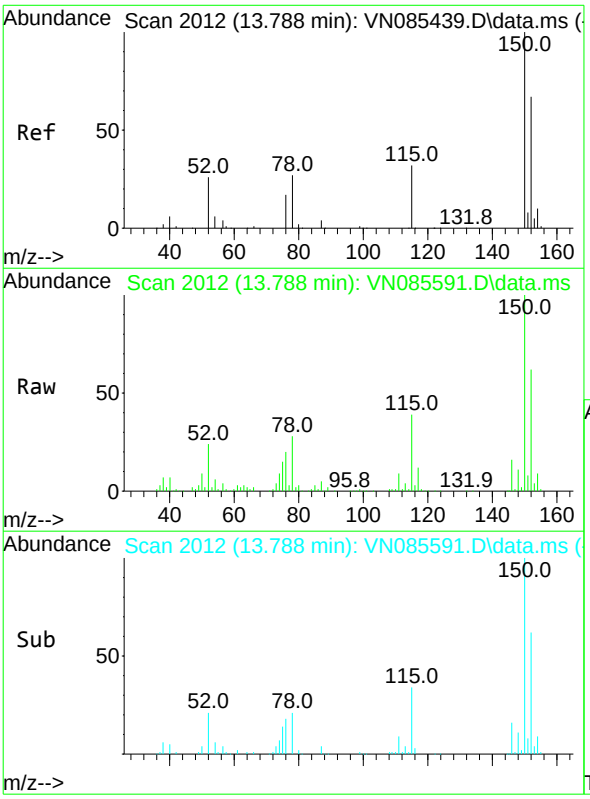
Tgt Ion:173 Resp: 90428

Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.4	73.2
254	0.0	0.0	0.0

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

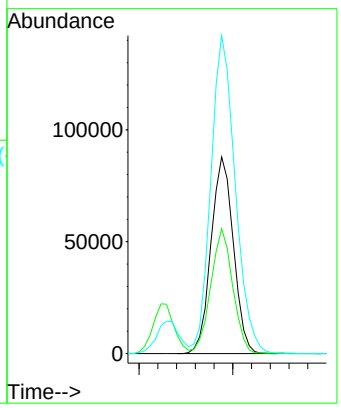


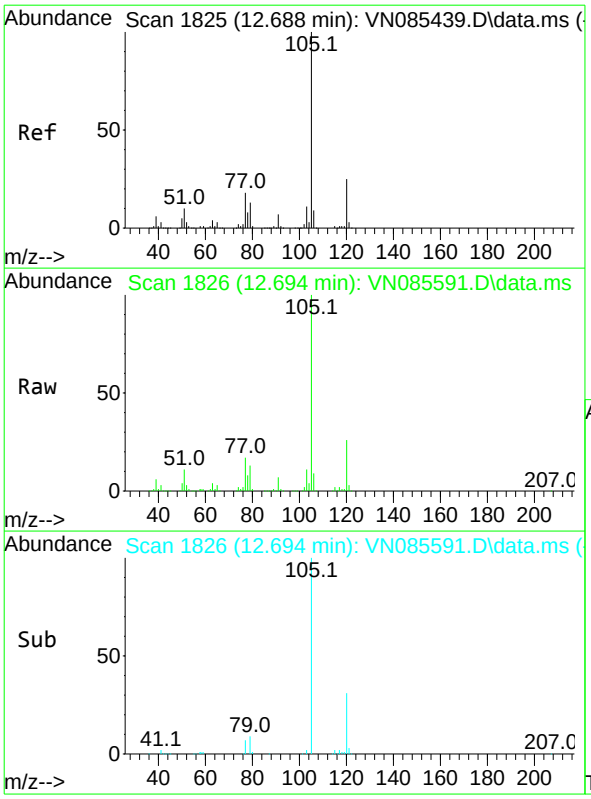


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion:152 Resp: 145646

Ion	Ratio	Lower	Upper
152	100		
115	62.5	31.1	93.3
150	176.8	0.0	343.6

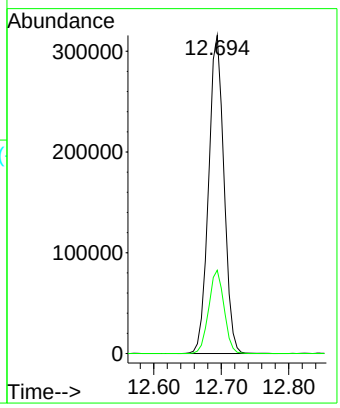




#73
Isopropylbenzene
Concen: 50.753 ug/l
RT: 12.694 min Scan# 18
Delta R.T. 0.006 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion:105 Resp: 498892

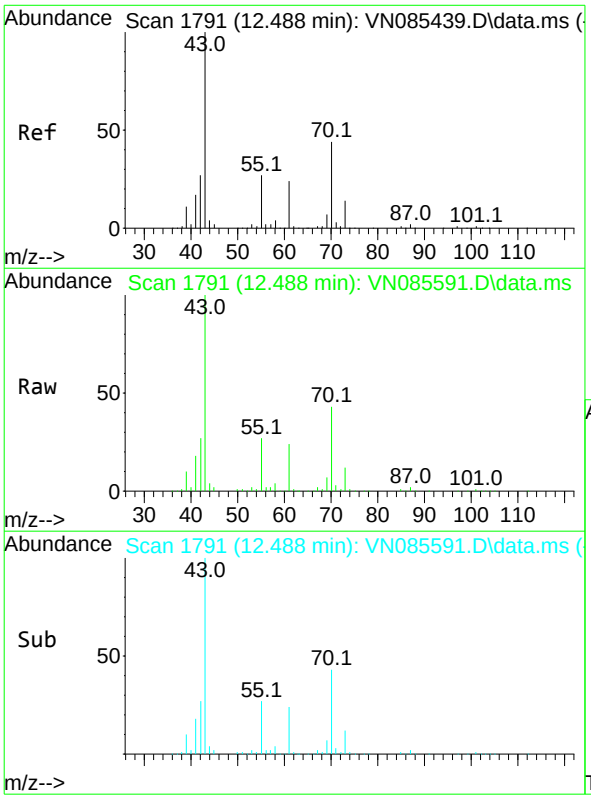
Ion	Ratio	Lower	Upper
105	100		
120	26.1	12.8	38.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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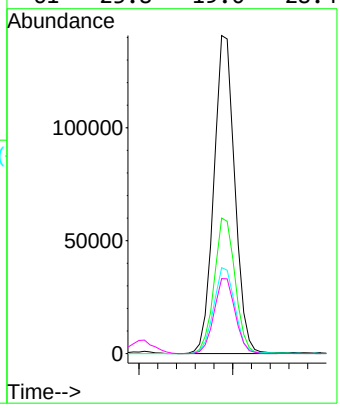
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

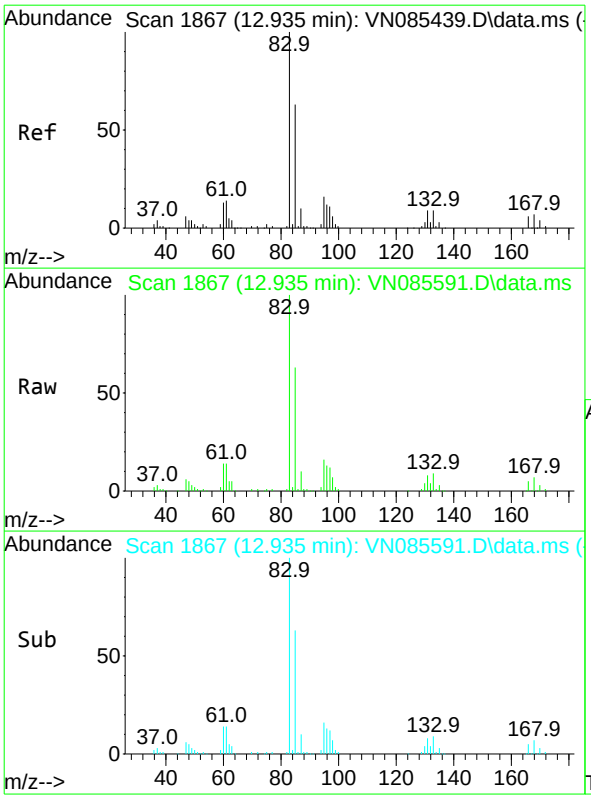


#74
N-amyl acetate
Concen: 49.394 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion: 43 Resp: 218240

Ion	Ratio	Lower	Upper
43	100		
70	42.7	34.0	51.0
55	27.7	21.4	32.2
61	23.8	19.0	28.4

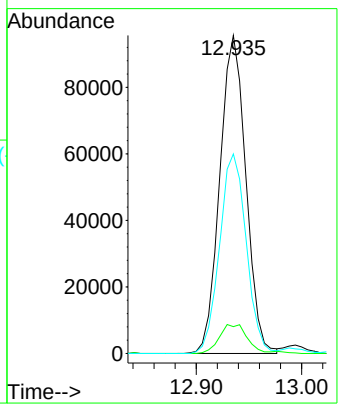




#75
1,1,2,2-Tetrachloroethane
Concen: 47.260 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion: 83 Resp: 164103

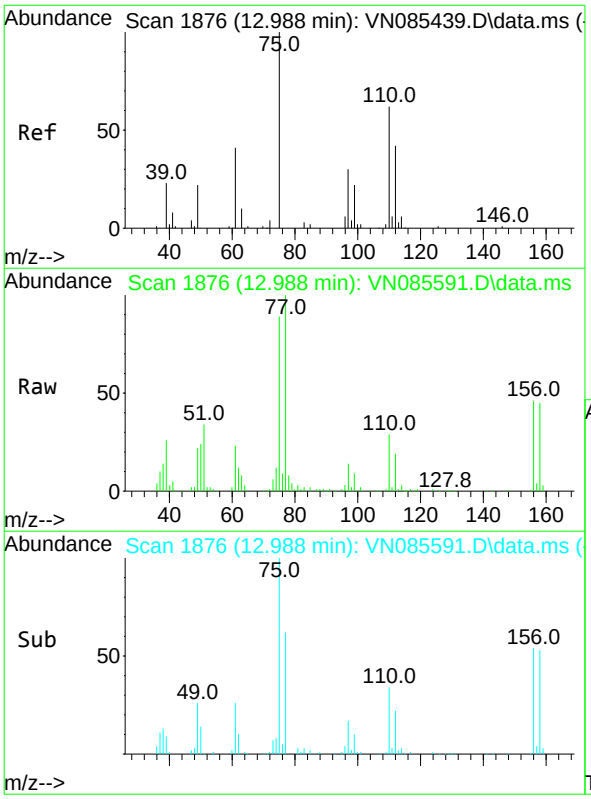
Ion	Ratio	Lower	Upper
83	100		
131	10.1	4.8	14.4
85	64.2	32.2	96.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

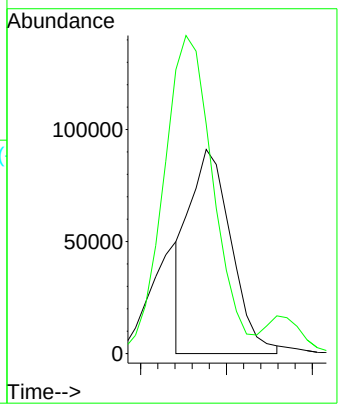
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

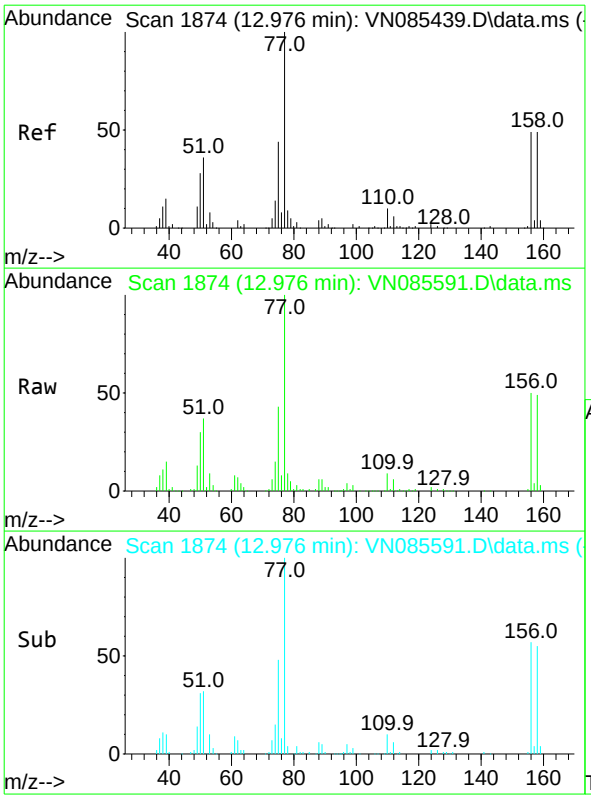


#76
1,2,3-Trichloropropane
Concen: 52.775 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion: 75 Resp: 156230

Ion	Ratio	Lower	Upper
75	100		
77	183.3	109.7	329.2

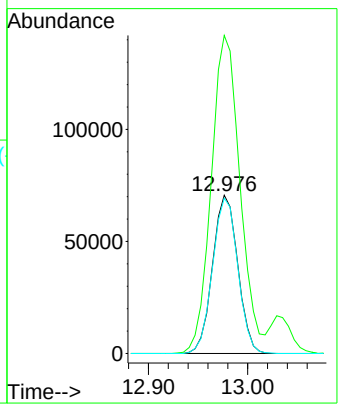




#77
Bromobenzene
Concen: 48.406 ug/l
RT: 12.976 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion:156 Resp: 124316

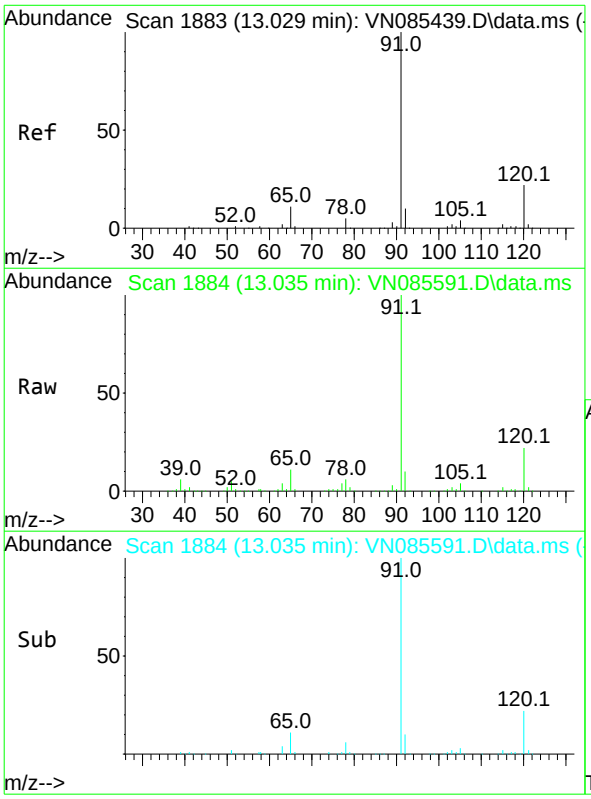
Ion	Ratio	Lower	Upper
156	100		
77	230.3	114.1	342.4
158	98.4	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

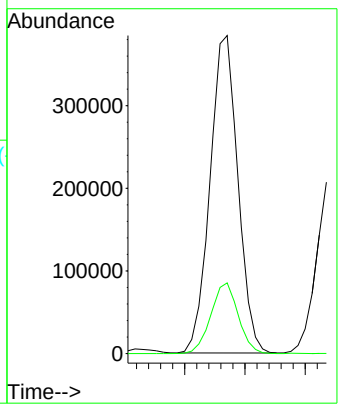
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

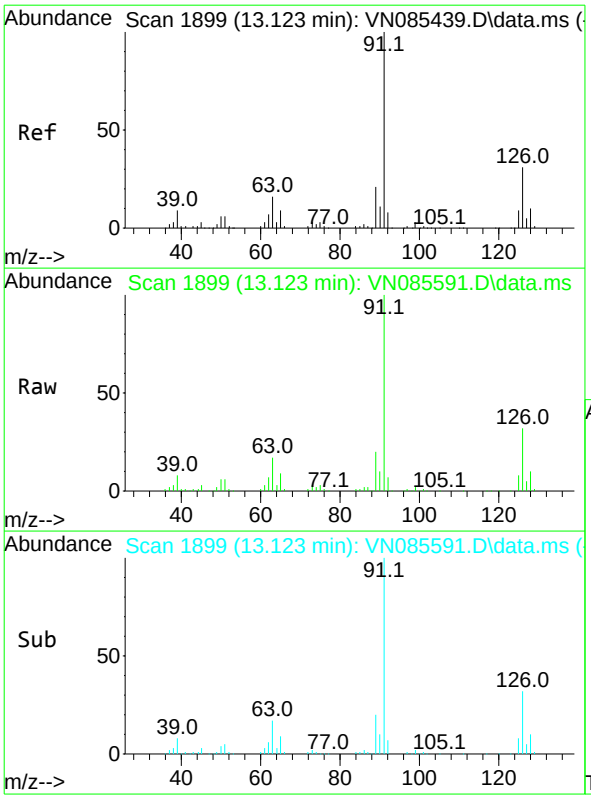


#78
n-propylbenzene
Concen: 53.092 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.006 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion: 91 Resp: 617823

Ion	Ratio	Lower	Upper
91	100		
120	21.8	10.9	32.6

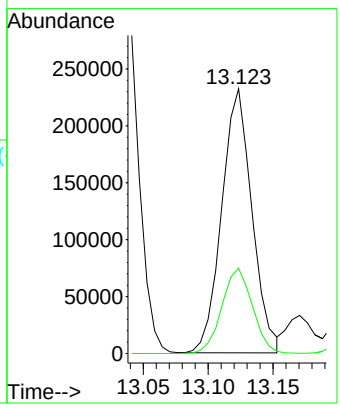




#79
2-Chlorotoluene
Concen: 50.010 ug/l
RT: 13.123 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion: 91 Resp: 376644

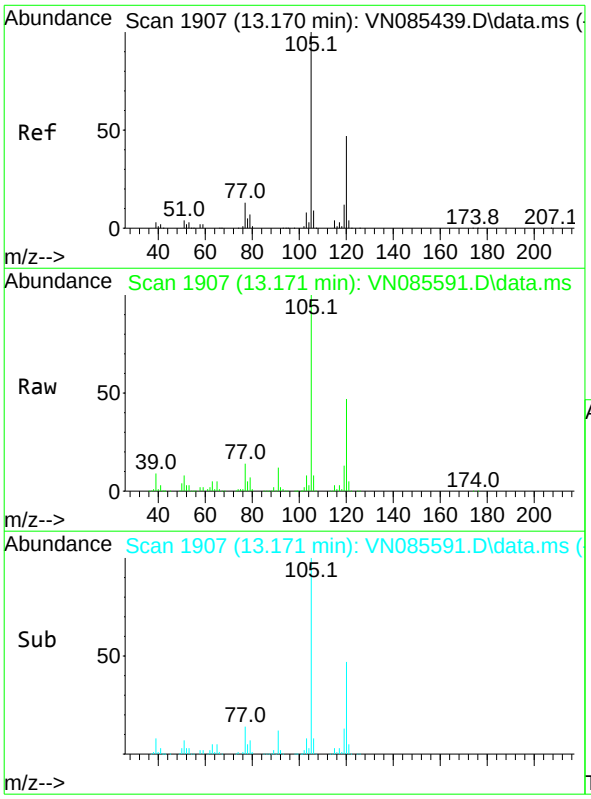
Ion	Ratio	Lower	Upper
91	100		
126	32.6	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

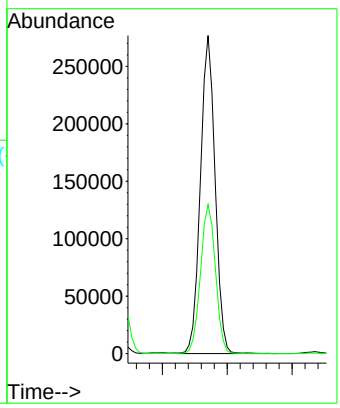
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

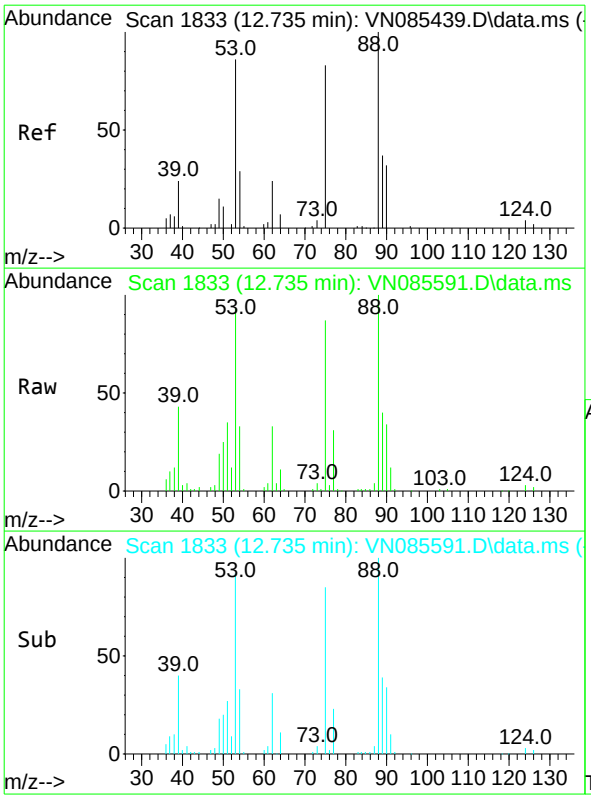


#80
1,3,5-Trimethylbenzene
Concen: 53.665 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion:105 Resp: 435734

Ion	Ratio	Lower	Upper
105	100		
120	47.8	23.9	71.7





#81
trans-1,4-Dichloro-2-butene
Concen: 53.451 ug/l
RT: 12.735 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

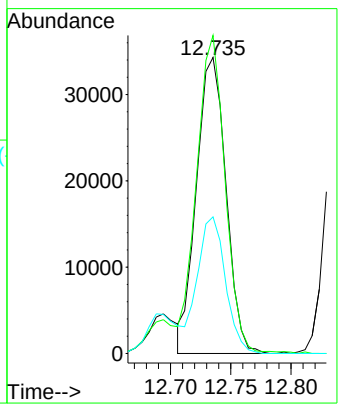
Tgt Ion: 75 Resp: 58483

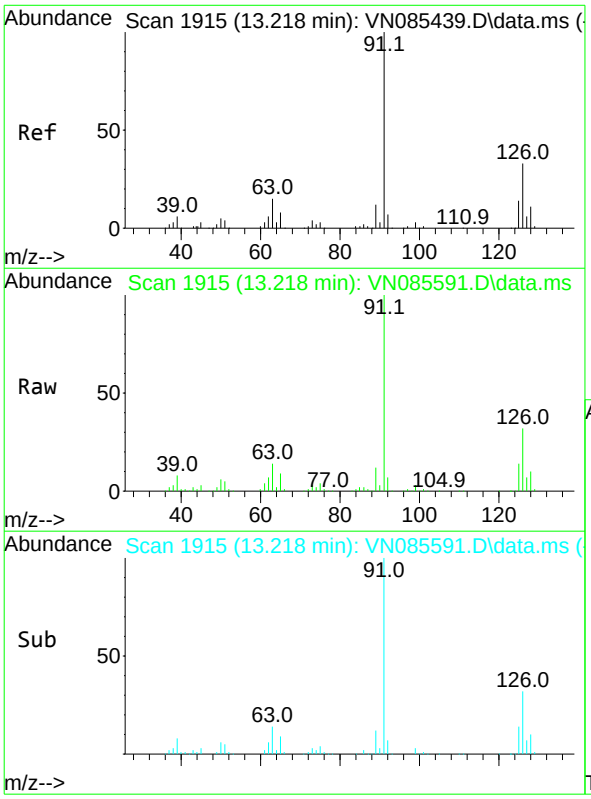
Ion	Ratio	Lower	Upper
75	100		
53	115.3	95.6	143.4
89	43.3	37.0	55.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

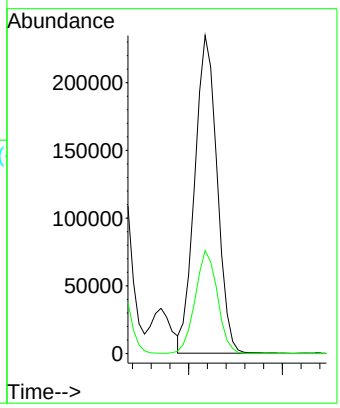


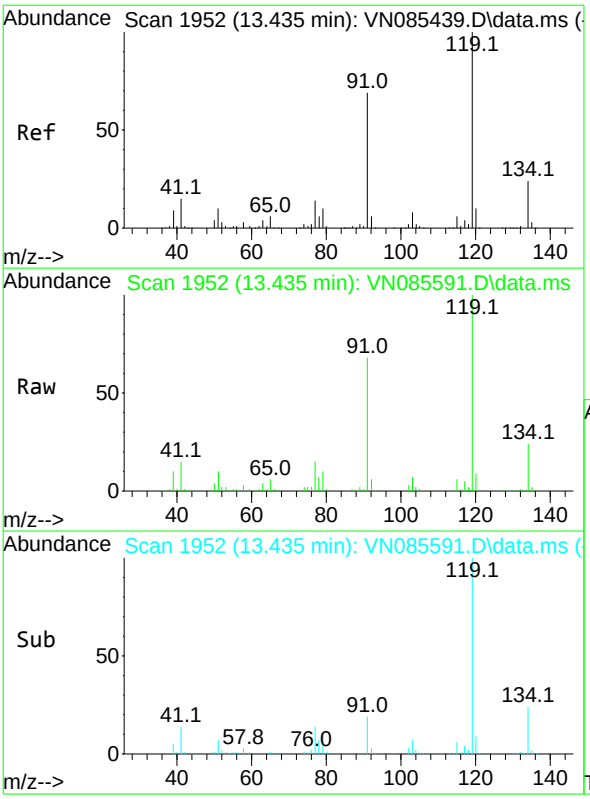


#82
4-Chlorotoluene
Concen: 51.696 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion: 91 Resp: 387664

Ion	Ratio	Lower	Upper
91	100		
126	32.3	15.9	47.7

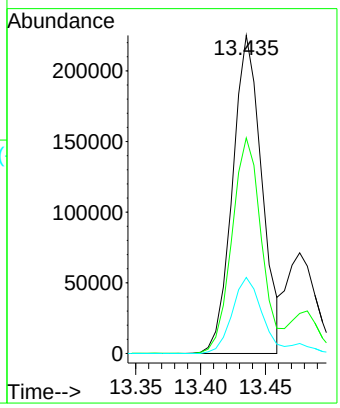




#83
tert-Butylbenzene
Concen: 51.897 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion:119 Resp: 353864

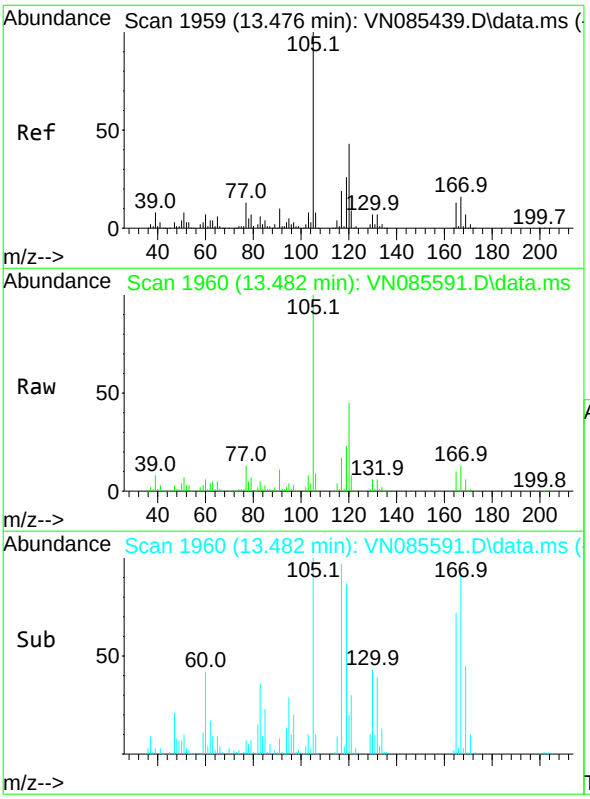
Ion	Ratio	Lower	Upper
119	100		
91	69.2	35.1	105.3
134	24.2	12.0	36.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

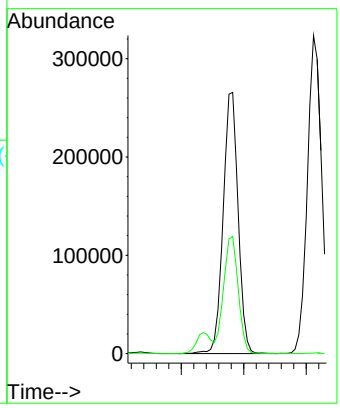
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

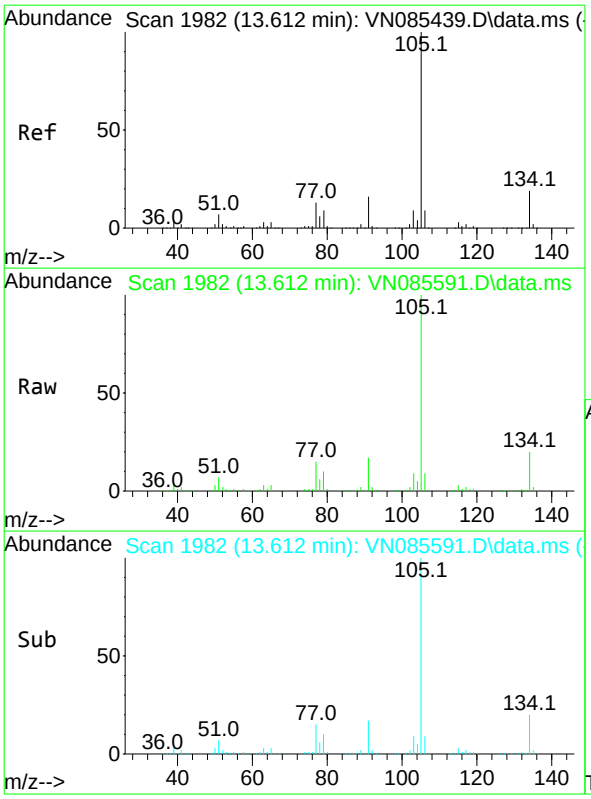


#84
1,2,4-Trimethylbenzene
Concen: 54.663 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion:105 Resp: 442366

Ion	Ratio	Lower	Upper
105	100		
120	43.9	21.6	65.0





#85
sec-Butylbenzene
Concen: 54.515 ug/l
RT: 13.612 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

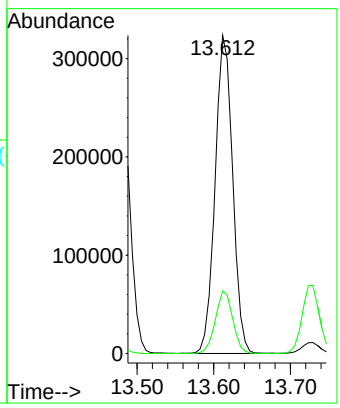
Tgt Ion:105 Resp: 515181

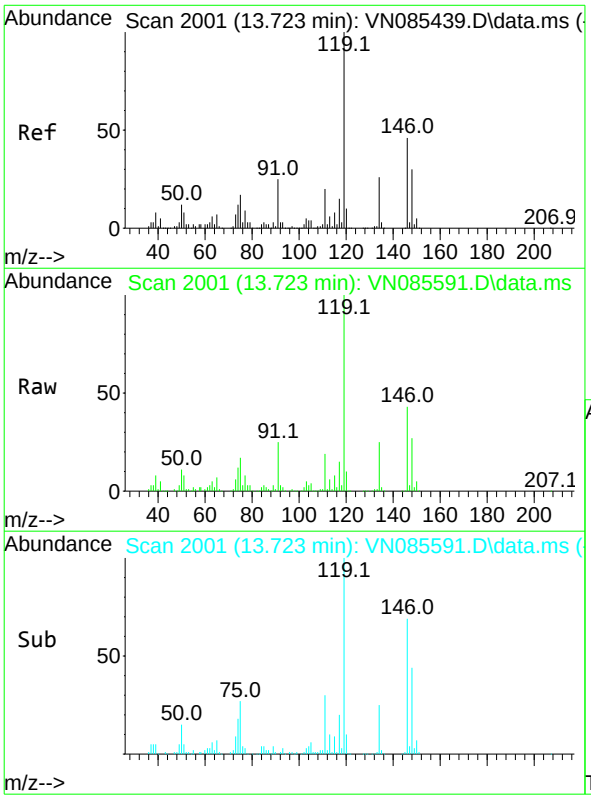
Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.7	28.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

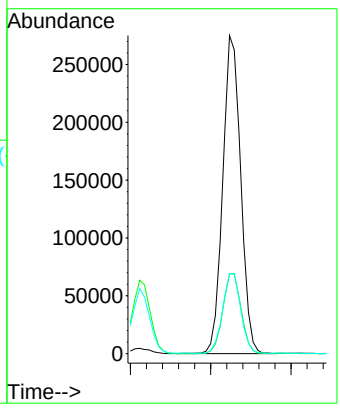


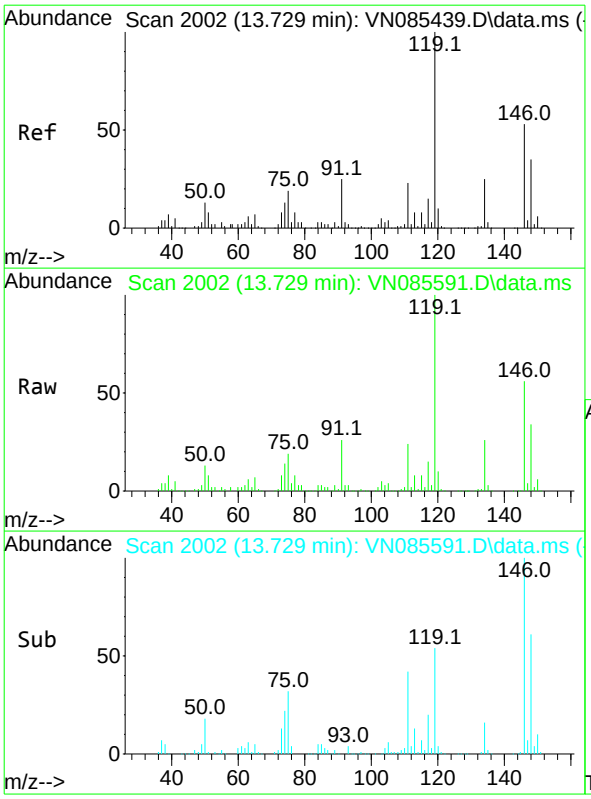


#86
p-Isopropyltoluene
Concen: 50.108 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion:119 Resp: 426531

Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.7	38.0
91	25.4	12.7	38.1

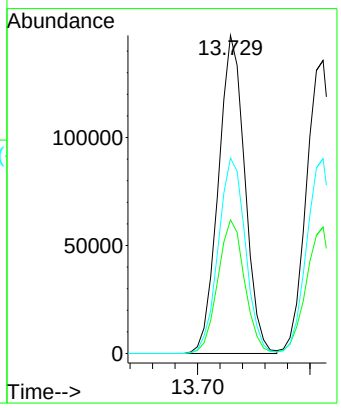




#87
1,3-Dichlorobenzene
Concen: 51.042 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion:146 Resp: 241411

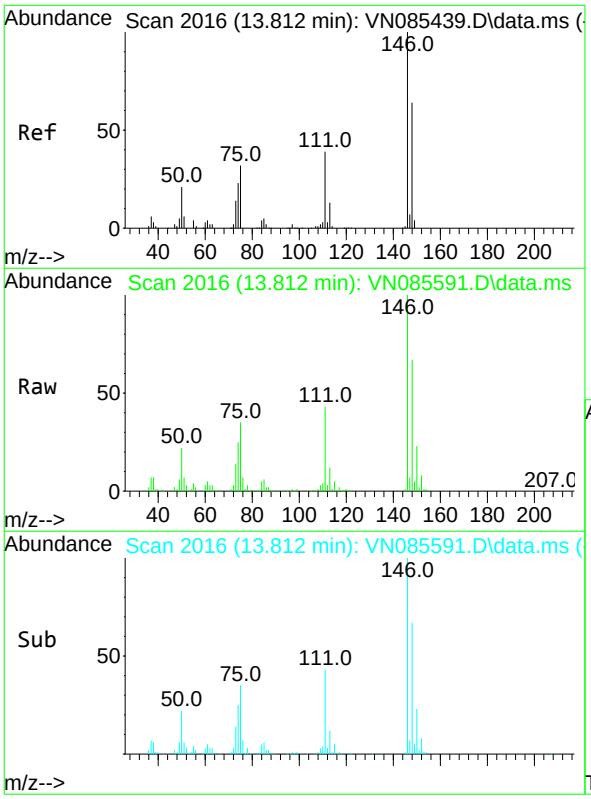
Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.4	64.3
148	62.9	32.3	96.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

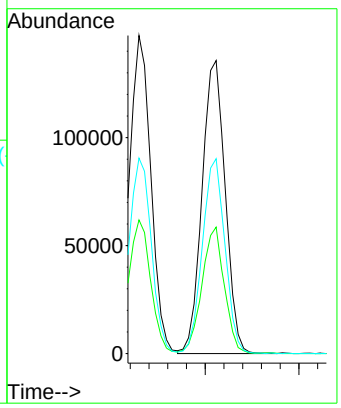
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

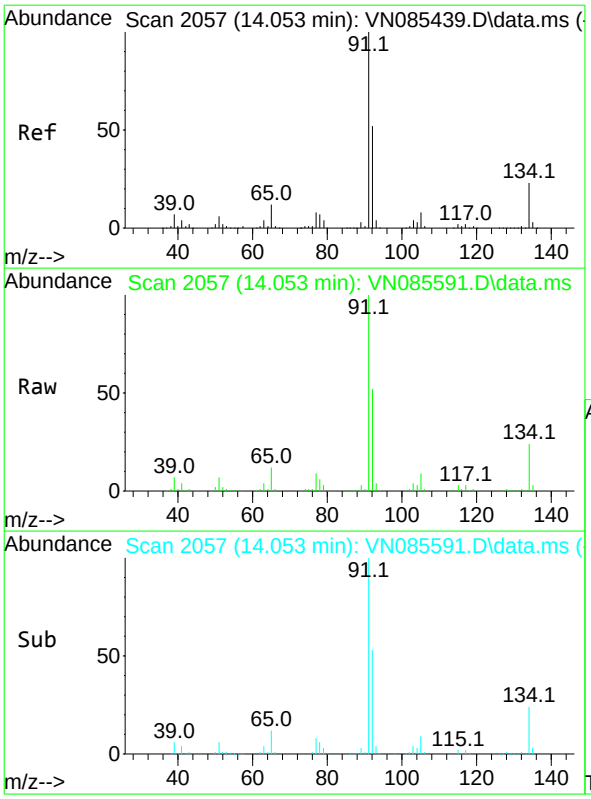


#88
1,4-Dichlorobenzene
Concen: 47.611 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion:146 Resp: 233405

Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.3	63.7
148	64.9	32.4	97.0

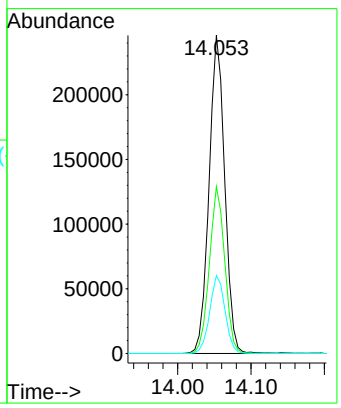




#89
n-Butylbenzene
Concen: 53.798 ug/l
RT: 14.053 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion: 91 Resp: 364737

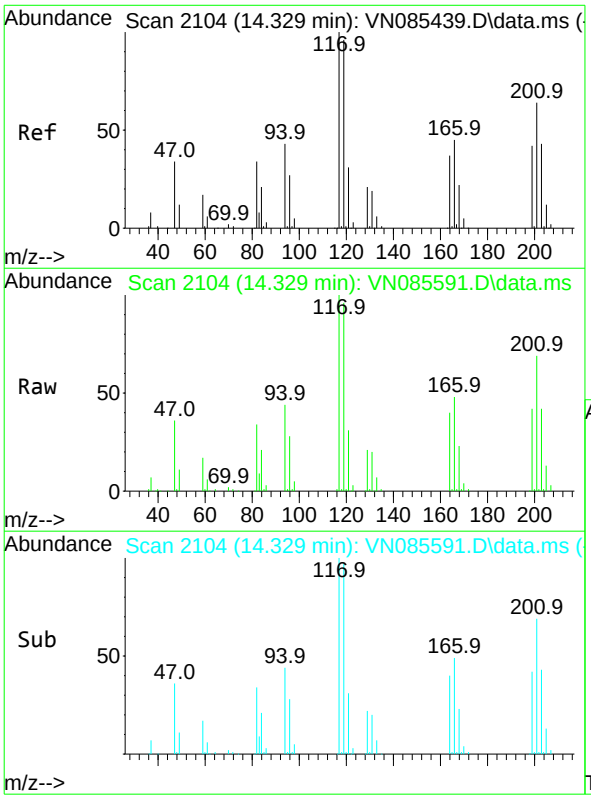
Ion	Ratio	Lower	Upper
91	100		
92	51.6	25.8	77.3
134	24.1	11.7	35.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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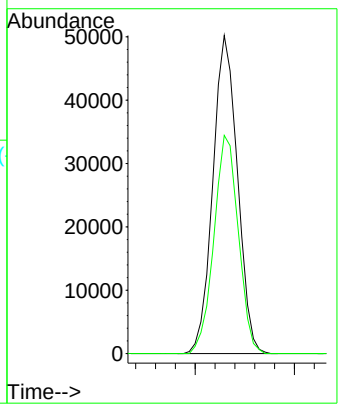
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

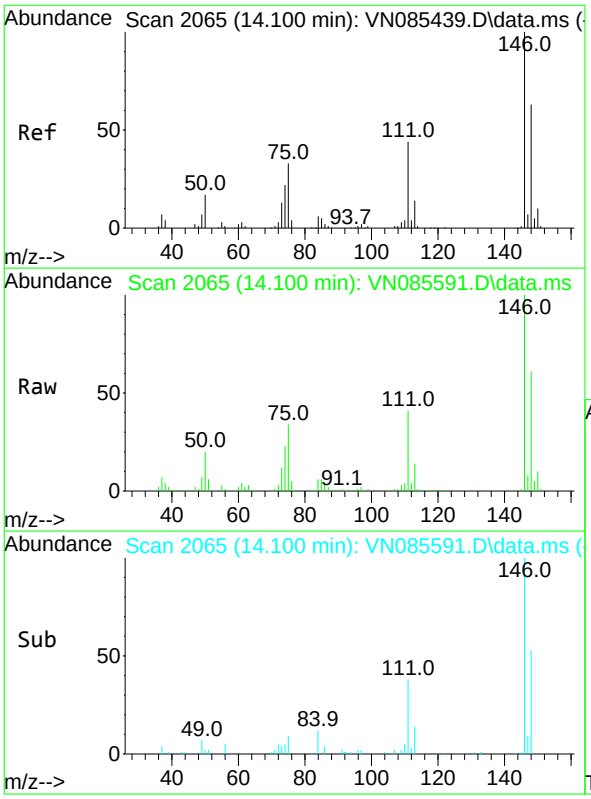


#90
Hexachloroethane
Concen: 48.061 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion:117 Resp: 86465

Ion	Ratio	Lower	Upper
117	100		
201	68.0	33.7	101.0

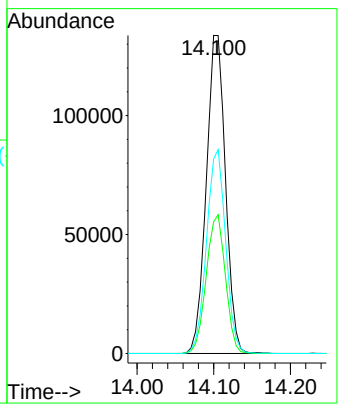




#91
1,2-Dichlorobenzene
Concen: 49.337 ug/l
RT: 14.100 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion:146 Resp: 232755

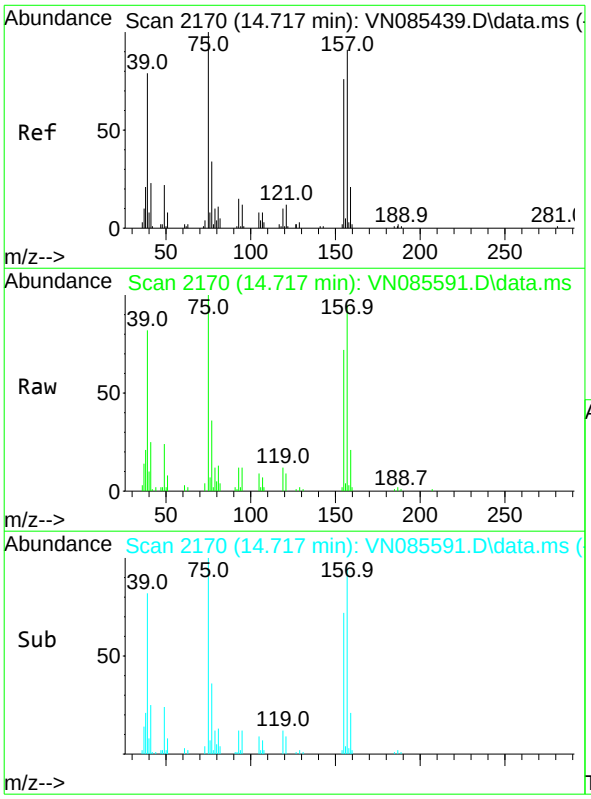
Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.7	65.1
148	63.8	31.4	94.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

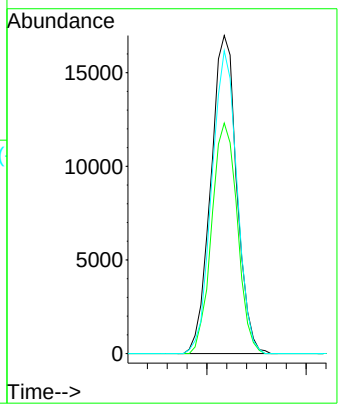
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

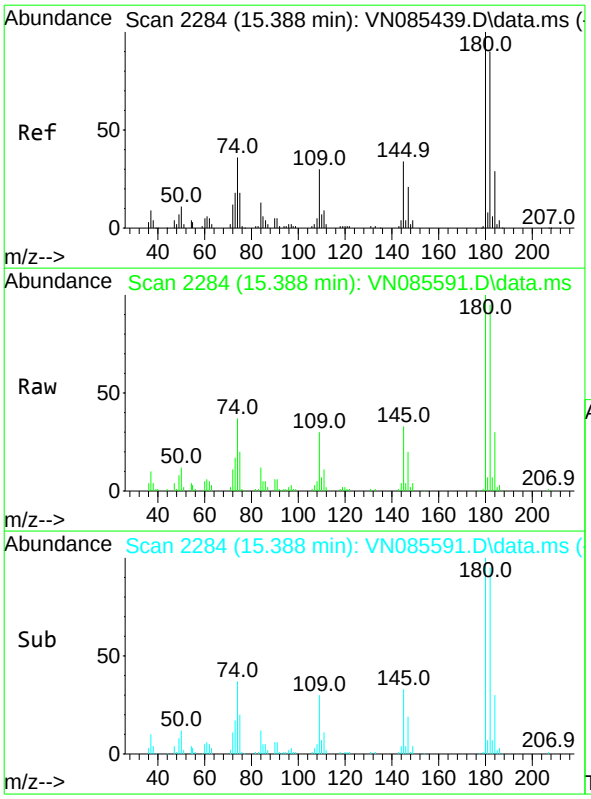


#92
1,2-Dibromo-3-Chloropropane
Concen: 48.536 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion: 75 Resp: 30775

Ion	Ratio	Lower	Upper
75	100		
155	71.5	36.4	109.2
157	92.5	45.4	136.1





#93
1,2,4-Trichlorobenzene
Concen: 48.649 ug/l
RT: 15.388 min Scan# 22
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

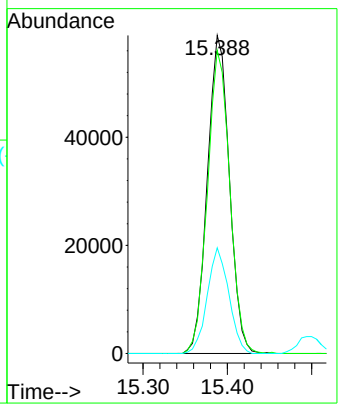
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

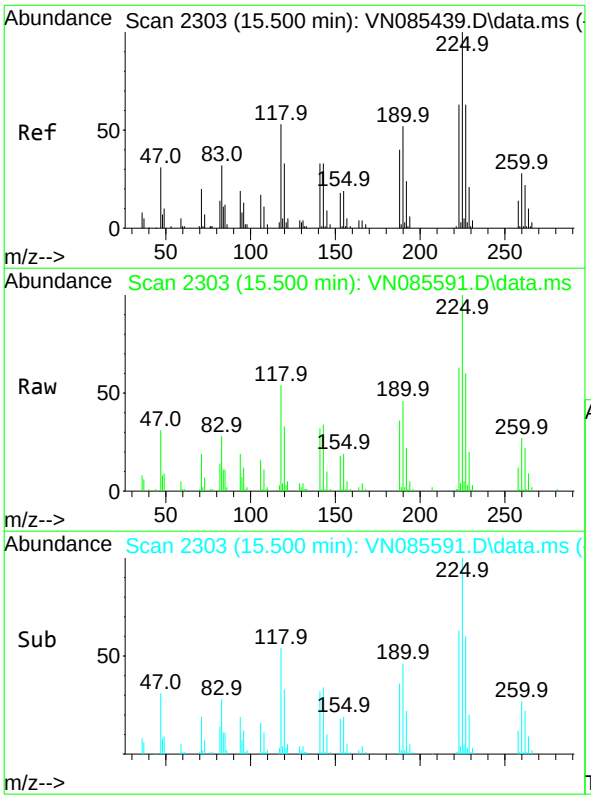
Tgt Ion:180 Resp: 106670

Ion	Ratio	Lower	Upper
180	100		
182	96.6	46.8	140.3
145	32.6	16.0	48.0

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

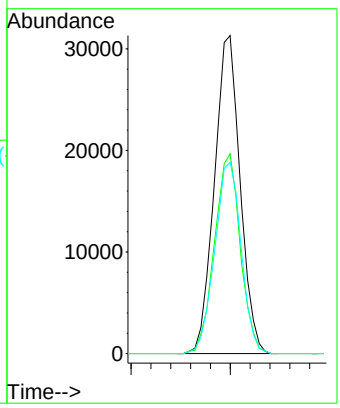


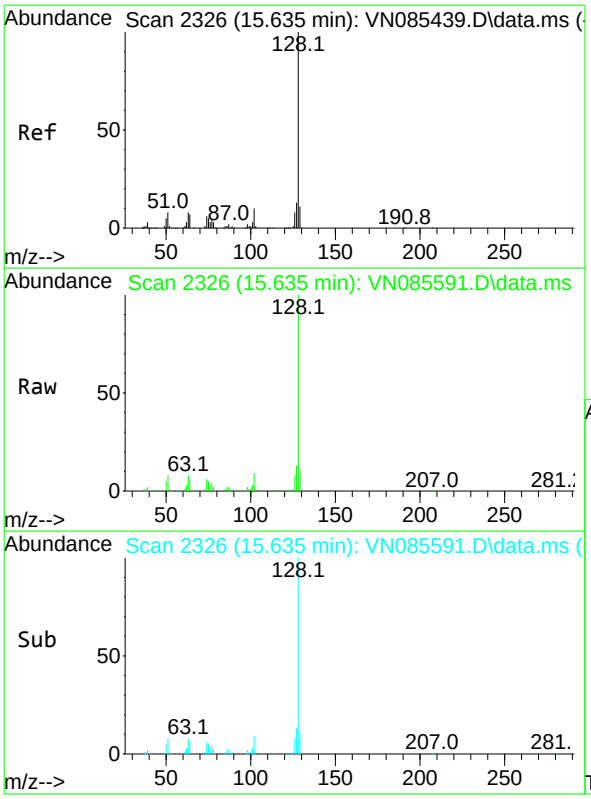


#94
Hexachlorobutadiene
Concen: 48.367 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion:225 Resp: 56304

Ion	Ratio	Lower	Upper
225	100		
223	63.0	30.7	92.1
227	61.7	30.9	92.5





#95
Naphthalene
Concen: 48.220 ug/l
RT: 15.635 min Scan# 23
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

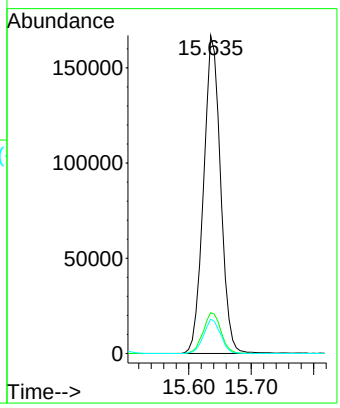
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

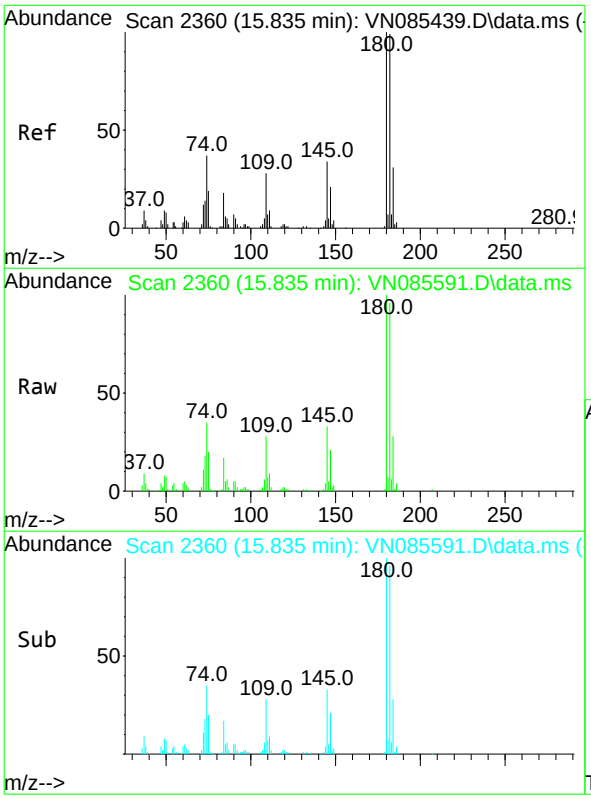
Tgt Ion:128 Resp: 315500

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	16.0
129	10.7	8.8	13.2

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

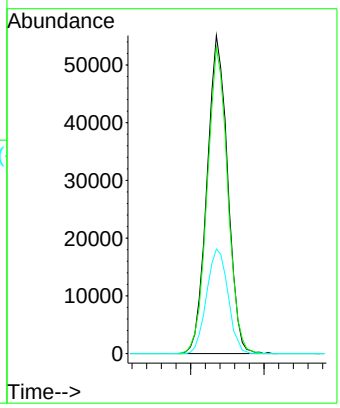




#96
1,2,3-Trichlorobenzene
Concen: 48.503 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN085591.D
Acq: 31 Jan 2025 10:04

Tgt Ion:180 Resp: 107609

Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.4	142.2
145	34.0	16.9	50.7



Sample Results: **VN085591.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013125\
Data File : VN085591.D
Acq On : 31 Jan 2025 10:04
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jan 31 22:23:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	95	0.00
2	T	Dichlorodifluoromethane	0.677	0.545	19.5	83	0.00
3	P	Chloromethane	0.733	0.582	20.6	82	0.00
4	C	Vinyl Chloride	0.737	0.631	14.4#	88	0.00
5	T	Bromomethane	0.445	0.381	14.4	87	0.00
6	T	Chloroethane	0.467	0.426	8.8	96	0.00
7	T	Trichlorofluoromethane	1.069	1.004	6.1	96	0.00
8	T	Diethyl Ether	0.369	0.321	13.0	85	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.602	0.579	3.8	102	0.00
10	T	Methyl Iodide	0.690	0.646	6.4	86	0.00
11	T	Tert butyl alcohol	0.092	0.108	-17.4	110	0.00
12	CM	1,1-Dichloroethene	0.537	0.497	7.4#	89	0.00
13	T	Acrolein	0.126	0.095	24.6	65	0.01
14	T	Allyl chloride	0.871	0.753	13.5	85	0.00
15	T	Acrylonitrile	0.294	0.294	0.0	94	0.00
16	T	Acetone	0.261	0.250	4.2	95	0.00
17	T	Carbon Disulfide	1.652	1.219	26.2#	79	0.00
18	T	Methyl Acetate	0.793	0.857	-8.1	104	0.00
19	T	Methyl tert-butyl Ether	1.742	1.807	-3.7	92	0.00
20	T	Methylene Chloride	0.646	0.618	4.3	94	0.00
21	T	trans-1,2-Dichloroethene	0.573	0.539	5.9	93	0.00
22	T	Diisopropyl ether	1.933	1.994	-3.2	93	0.00
23	T	Vinyl Acetate	1.353	1.406	-3.9	90	0.00
24	P	1,1-Dichloroethane	1.178	1.158	1.7	94	0.00
25	T	2-Butanone	0.384	0.389	-1.3	95	0.00
26	T	2,2-Dichloropropane	0.953	1.046	-9.8	107	0.00
27	T	cis-1,2-Dichloroethene	0.675	0.663	1.8	93	0.00
28	T	Bromochloromethane	0.548	0.520	5.1	92	0.00
29	T	Tetrahydrofuran	0.243	0.260	-7.0	95	0.00
30	C	Chloroform	1.218	1.221	-0.2#	99	0.00
31	T	Cyclohexane	1.024	0.848	17.2	92	0.00
32	T	1,1,1-Trichloroethane	1.068	1.061	0.7	100	0.00
33	S	1,2-Dichloroethane-d4	0.807	0.801	0.7	92	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	92	0.00
35	S	Dibromofluoromethane	0.347	0.374	-7.8	96	0.00
36	T	1,1-Dichloropropene	0.487	0.477	2.1	95	0.00
37	T	Ethyl Acetate	0.491	0.487	0.8	92	0.00
38	T	Carbon Tetrachloride	0.557	0.576	-3.4	100	0.00
39	T	Methylcyclohexane	0.457	0.439	3.9	87	0.00
40	TM	Benzene	1.463	1.491	-1.9	94	0.00
41	T	Methacrylonitrile	0.256	0.274	-7.0	93	0.00
42	TM	1,2-Dichloroethane	0.551	0.571	-3.6	96	0.00
43	T	Isopropyl Acetate	0.787	0.824	-4.7	93	0.00
44	TM	Trichloroethene	0.341	0.337	1.2	96	0.00
45	C	1,2-Dichloropropane	0.374	0.388	-3.7#	96	0.00
46	T	Dibromomethane	0.270	0.274	-1.5	94	0.00
47	T	Bromodichloromethane	0.549	0.595	-8.4	98	0.00
48	T	Methyl methacrylate	0.354	0.393	-11.0	92	0.00

Sample Results: **VN085591.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013125\
Data File : VN085591.D
Acq On : 31 Jan 2025 10:04
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jan 31 22:23:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.006	0.006	0.0	94	0.00
50	S	Toluene-d8	1.232	1.332	-8.1	96	0.00
51	T	4-Methyl-2-Pentanone	0.457	0.521	-14.0	97	0.00
52	CM	Toluene	0.848	0.910	-7.3#	96	0.00
53	T	t-1,3-Dichloropropene	0.519	0.563	-8.5	94	0.00
54	T	cis-1,3-Dichloropropene	0.554	0.604	-9.0	94	0.00
55	T	1,1,2-Trichloroethane	0.335	0.364	-8.7	98	0.00
56	T	Ethyl methacrylate	0.469	0.541	-15.4	91	0.00
57	T	1,3-Dichloropropane	0.583	0.629	-7.9	96	0.00
58	T	2-Chloroethyl Vinyl ether	0.213	0.237	-11.3	90	0.00
59	T	2-Hexanone	0.321	0.376	-17.1	97	0.00
60	T	Dibromochloromethane	0.405	0.446	-10.1	99	0.00
61	T	1,2-Dibromoethane	0.334	0.344	-3.0	95	0.00
62	S	4-Bromofluorobenzene	0.422	0.473	-12.1	97	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	96	0.00
64	T	Tetrachloroethene	0.341	0.357	-4.7	106	0.00
65	PM	Chlorobenzene	1.095	1.091	0.4	97	0.00
66	T	1,1,1,2-Tetrachloroethane	0.402	0.408	-1.5	100	0.00
67	C	Ethyl Benzene	1.784	1.898	-6.4#	97	0.00
68	T	m/p-Xylenes	0.659	0.733	-11.2	99	0.00
69	T	o-Xylene	0.630	0.689	-9.4	97	0.00
70	T	Styrene	1.043	1.210	-16.0	99	0.00
71	P	Bromoform	0.288	0.318	-10.4	98	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	0.00
73	T	Isopropylbenzene	3.375	3.425	-1.5	99	0.00
74	T	N-amyl acetate	1.517	1.498	1.3	92	0.00
75	P	1,1,2,2-Tetrachloroethane	1.192	1.127	5.5	98	0.00
76	T	1,2,3-Trichloropropane	1.016	1.073	-5.6	119	0.00
77	T	Bromobenzene	0.882	0.854	3.2	99	0.00
78	T	n-propylbenzene	3.995	4.242	-6.2	101	0.00
79	T	2-Chlorotoluene	2.586	2.586	0.0	99	0.00
80	T	1,3,5-Trimethylbenzene	2.787	2.992	-7.4	101	0.00
81	T	trans-1,4-Dichloro-2-butene	0.376	0.402	-6.9	102	0.00
82	T	4-Chlorotoluene	2.574	2.662	-3.4	102	0.00
83	T	tert-Butylbenzene	2.341	2.430	-3.8	99	0.00
84	T	1,2,4-Trimethylbenzene	2.778	3.037	-9.3	100	0.00
85	T	sec-Butylbenzene	3.244	3.537	-9.0	103	0.00
86	T	p-Isopropyltoluene	2.631	2.929	-11.3	101	0.00
87	T	1,3-Dichlorobenzene	1.624	1.658	-2.1	105	0.00
88	T	1,4-Dichlorobenzene	1.683	1.603	4.8	102	0.00
89	T	n-Butylbenzene	2.327	2.504	-7.6	100	0.00
90	T	Hexachloroethane	0.618	0.594	3.9	102	0.00
91	T	1,2-Dichlorobenzene	1.620	1.598	1.4	102	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.218	0.211	3.2	95	0.00
93	T	1,2,4-Trichlorobenzene	0.753	0.732	2.8	93	0.00
94	T	Hexachlorobutadiene	0.400	0.387	3.3	105	0.00
95	T	Naphthalene	2.246	2.166	3.6	87	0.00

Sample Results: **VN085591.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013125\
Data File : VN085591.D
Acq On : 31 Jan 2025 10:04
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jan 31 22:23:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.762	0.739	3.0	93	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VN085591.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013125\
Data File : VN085591.D
Acq On : 31 Jan 2025 10:04
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jan 31 22:23:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	95	0.00
2	T	Dichlorodifluoromethane	50.000	40.276	19.4	83	0.00
3	P	Chloromethane	50.000	39.689	20.6	82	0.00
4	C	Vinyl Chloride	50.000	42.836	14.3#	88	0.00
5	T	Bromomethane	50.000	42.763	14.5	87	0.00
6	T	Chloroethane	50.000	45.613	8.8	96	0.00
7	T	Trichlorofluoromethane	50.000	46.958	6.1	96	0.00
8	T	Diethyl Ether	50.000	43.462	13.1	85	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	48.073	3.9	102	0.00
10	T	Methyl Iodide	50.000	46.827	6.3	86	0.00
11	T	Tert butyl alcohol	250.000	291.355	-16.5	110	0.00
12	CM	1,1-Dichloroethene	50.000	46.352	7.3#	89	0.00
13	T	Acrolein	250.000	187.561	25.0	65	0.01
14	T	Allyl chloride	50.000	43.262	13.5	85	0.00
15	T	Acrylonitrile	250.000	249.970	0.0	94	0.00
16	T	Acetone	250.000	239.913	4.0	95	0.00
17	T	Carbon Disulfide	50.000	36.884	26.2#	79	0.00
18	T	Methyl Acetate	50.000	54.036	-8.1	104	0.00
19	T	Methyl tert-butyl Ether	50.000	51.861	-3.7	92	0.00
20	T	Methylene Chloride	50.000	47.827	4.3	94	0.00
21	T	trans-1,2-Dichloroethene	50.000	46.987	6.0	93	0.00
22	T	Diisopropyl ether	50.000	51.582	-3.2	93	0.00
23	T	Vinyl Acetate	250.000	259.853	-3.9	90	0.00
24	P	1,1-Dichloroethane	50.000	49.119	1.8	94	0.00
25	T	2-Butanone	250.000	253.698	-1.5	95	0.00
26	T	2,2-Dichloropropane	50.000	54.902	-9.8	107	0.00
27	T	cis-1,2-Dichloroethene	50.000	49.110	1.8	93	0.00
28	T	Bromochloromethane	50.000	47.443	5.1	92	0.00
29	T	Tetrahydrofuran	250.000	266.707	-6.7	95	0.00
30	C	Chloroform	50.000	50.126	-0.3#	99	0.00
31	T	Cyclohexane	50.000	41.402	17.2	92	0.00
32	T	1,1,1-Trichloroethane	50.000	49.666	0.7	100	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.634	0.7	92	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	92	0.00
35	S	Dibromofluoromethane	50.000	53.927	-7.9	96	0.00
36	T	1,1-Dichloropropene	50.000	49.002	2.0	95	0.00
37	T	Ethyl Acetate	50.000	49.505	1.0	92	0.00
38	T	Carbon Tetrachloride	50.000	51.696	-3.4	100	0.00
39	T	Methylcyclohexane	50.000	47.944	4.1	87	0.00
40	TM	Benzene	50.000	50.976	-2.0	94	0.00
41	T	Methacrylonitrile	50.000	53.528	-7.1	93	0.00
42	TM	1,2-Dichloroethane	50.000	51.851	-3.7	96	0.00
43	T	Isopropyl Acetate	50.000	52.309	-4.6	93	0.00
44	TM	Trichloroethene	50.000	49.486	1.0	96	0.00
45	C	1,2-Dichloropropane	50.000	51.880	-3.8#	96	0.00
46	T	Dibromomethane	50.000	50.884	-1.8	94	0.00
47	T	Bromodichloromethane	50.000	54.191	-8.4	98	0.00
48	T	Methyl methacrylate	50.000	55.425	-10.8	92	0.00

Sample Results: **VN085591.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013125\
Data File : VN085591.D
Acq On : 31 Jan 2025 10:04
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jan 31 22:23:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1082.516	-8.3	94	0.00
50	S	Toluene-d8	50.000	54.021	-8.0	96	0.00
51	T	4-Methyl-2-Pentanone	250.000	285.284	-14.1	97	0.00
52	CM	Toluene	50.000	53.686	-7.4#	96	0.00
53	T	t-1,3-Dichloropropene	50.000	54.277	-8.6	94	0.00
54	T	cis-1,3-Dichloropropene	50.000	54.468	-8.9	94	0.00
55	T	1,1,2-Trichloroethane	50.000	54.314	-8.6	98	0.00
56	T	Ethyl methacrylate	50.000	47.979	4.0	91	0.00
57	T	1,3-Dichloropropane	50.000	53.898	-7.8	96	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	278.261	-11.3	90	0.00
59	T	2-Hexanone	250.000	292.282	-16.9	97	0.00
60	T	Dibromochloromethane	50.000	55.058	-10.1	99	0.00
61	T	1,2-Dibromoethane	50.000	51.584	-3.2	95	0.00
62	S	4-Bromofluorobenzene	50.000	56.078	-12.2	97	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	96	0.00
64	T	Tetrachloroethene	50.000	52.413	-4.8	106	0.00
65	PM	Chlorobenzene	50.000	49.786	0.4	97	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	50.764	-1.5	100	0.00
67	C	Ethyl Benzene	50.000	53.184	-6.4#	97	0.00
68	T	m/p-Xylenes	100.000	111.234	-11.2	99	0.00
69	T	o-Xylene	50.000	54.671	-9.3	97	0.00
70	T	Styrene	50.000	58.039	-16.1	99	0.00
71	P	Bromoform	50.000	55.254	-10.5	98	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	99	0.00
73	T	Isopropylbenzene	50.000	50.753	-1.5	99	0.00
74	T	N-amyl acetate	50.000	49.394	1.2	92	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	47.260	5.5	98	0.00
76	T	1,2,3-Trichloropropane	50.000	52.775	-5.5	119	0.00
77	T	Bromobenzene	50.000	48.406	3.2	99	0.00
78	T	n-propylbenzene	50.000	53.092	-6.2	101	0.00
79	T	2-Chlorotoluene	50.000	50.010	-0.0	99	0.00
80	T	1,3,5-Trimethylbenzene	50.000	53.665	-7.3	101	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	53.451	-6.9	102	0.00
82	T	4-Chlorotoluene	50.000	51.696	-3.4	102	0.00
83	T	tert-Butylbenzene	50.000	51.897	-3.8	99	0.00
84	T	1,2,4-Trimethylbenzene	50.000	54.663	-9.3	100	0.00
85	T	sec-Butylbenzene	50.000	54.515	-9.0	103	0.00
86	T	p-Isopropyltoluene	50.000	50.108	-0.2	101	0.00
87	T	1,3-Dichlorobenzene	50.000	51.042	-2.1	105	0.00
88	T	1,4-Dichlorobenzene	50.000	47.611	4.8	102	0.00
89	T	n-Butylbenzene	50.000	53.798	-7.6	100	0.00
90	T	Hexachloroethane	50.000	48.061	3.9	102	0.00
91	T	1,2-Dichlorobenzene	50.000	49.337	1.3	102	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	48.536	2.9	95	0.00
93	T	1,2,4-Trichlorobenzene	50.000	48.649	2.7	93	0.00
94	T	Hexachlorobutadiene	50.000	48.367	3.3	105	0.00
95	T	Naphthalene	50.000	48.220	3.6	87	0.00

Sample Results: **VN085591.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013125\
Data File : VN085591.D
Acq On : 31 Jan 2025 10:04
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jan 31 22:23:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	48.503	3.0	93	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VN085615.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: WEST04

Lab Code: CHEM Case No.: Q1211 SAS No.: Q1211 SDG No.: Q1211

Instrument ID: MSVOA_N Calibration Date/Time: 01/31/2025 20:29

Lab File ID: VN085615.D Init. Calib. Date(s): 01/14/2025 01/14/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 14:56 17:19

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.677	0.576		-14.92	50
Chloromethane	0.733	0.627	0.1	-14.46	50
Vinyl Chloride	0.737	0.670		-9.09	50
Bromomethane	0.445	0.405		-8.99	50
Chloroethane	0.467	0.487		4.28	50
Trichlorofluoromethane	1.069	1.150		7.58	50
1,1,2-Trichlorotrifluoroethane	0.602	0.596		-1	50
1,1-Dichloroethene	0.537	0.544		1.3	50
Acetone	0.261	0.318		21.84	50
Carbon Disulfide	1.652	1.302		-21.19	50
Methyl tert-butyl Ether	1.742	2.051		17.74	50
Methyl Acetate	0.793	1.060		33.67	50
Methylene Chloride	0.646	0.671		3.87	50
trans-1,2-Dichloroethene	0.573	0.581		1.4	50
1,1-Dichloroethane	1.178	1.265	0.1	7.39	50
Cyclohexane	1.024	0.899		-12.21	50
2-Butanone	0.384	0.485		26.3	50
Carbon Tetrachloride	0.557	0.583		4.67	50
cis-1,2-Dichloroethene	0.675	0.724		7.26	50
Bromochloromethane	0.548	0.554		1.1	50
Chloroform	1.218	1.330		9.19	50
1,1,1-Trichloroethane	1.068	1.160		8.61	50
Methylcyclohexane	0.457	0.432		-5.47	50
Benzene	1.463	1.531		4.65	50
1,2-Dichloroethane	0.551	0.589		6.9	50
Trichloroethene	0.341	0.334		-2.05	50
1,2-Dichloropropane	0.374	0.405		8.29	50
Bromodichloromethane	0.549	0.622		13.3	50
4-Methyl-2-Pentanone	0.457	0.604		32.17	50
Toluene	0.848	0.935		10.26	50
t-1,3-Dichloropropene	0.519	0.572		10.21	50
cis-1,3-Dichloropropene	0.554	0.599		8.12	50
1,1,2-Trichloroethane	0.335	0.378		12.84	50
2-Hexanone	0.321	0.444		38.32	50
Dibromochloromethane	0.405	0.457		12.84	50
1,2-Dibromoethane	0.334	0.372		11.38	50
Tetrachloroethene	0.341	0.321		-5.86	50
Chlorobenzene	1.095	1.162	0.3	6.12	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: WEST04

Lab Code: CHEM Case No.: Q1211 SAS No.: Q1211 SDG No.: Q1211

Instrument ID: MSVOA_N Calibration Date/Time: 01/31/2025 20:29

Lab File ID: VN085615.D Init. Calib. Date(s): 01/14/2025 01/14/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 14:56 17:19

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.784	2.013		12.84	50
m/p-Xylenes	0.659	0.769		16.69	50
o-Xylene	0.630	0.722		14.6	50
Styrene	1.043	1.279		22.63	50
Bromoform	0.288	0.349	0.1	21.18	50
Isopropylbenzene	3.375	3.678		8.98	50
1,1,2,2-Tetrachloroethane	1.192	1.323	0.3	10.99	50
1,3-Dichlorobenzene	1.624	1.688		3.94	50
1,4-Dichlorobenzene	1.683	1.687		0.24	50
1,2-Dichlorobenzene	1.620	1.641		1.3	50
1,2-Dibromo-3-Chloropropane	0.218	0.266		22.02	50
1,2,4-Trichlorobenzene	0.753	0.752		-0.13	50
1,2,3-Trichlorobenzene	0.762	0.771		1.18	50
1,2-Dichloroethane-d4	0.807	0.892		10.53	50
Dibromofluoromethane	0.347	0.375		8.07	50
Toluene-d8	1.232	1.340		8.77	50
4-Bromofluorobenzene	0.422	0.474		12.32	50

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013125\
Data File : VN085615.D
Acq On : 31 Jan 2025 20:29
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jan 31 22:35:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	8.224	168	178096	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	310790	50.000 ug/l	0.00
63) Chlorobenzene-d5	11.865	117	273587	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	138990	50.000 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	8.577	65	158849	55.255 ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.500%		
35) Dibromofluoromethane	8.165	113	116490	54.028 ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.060%		
50) Toluene-d8	10.565	98	416612	54.383 ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.760%		
62) 4-Bromofluorobenzene	12.847	95	147397	56.247 ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 112.500%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.124	85	102542	42.525 ug/l	95
3) Chloromethane	2.359	50	111644	42.761 ug/l	96
4) Vinyl Chloride	2.512	62	119298	45.459 ug/l	95
5) Bromomethane	2.942	94	72063	45.461 ug/l	96
6) Chloroethane	3.112	64	86676	52.096 ug/l	96
7) Trichlorofluoromethane	3.495	101	204839	53.795 ug/l	98
8) Diethyl Ether	3.959	74	65653	49.910 ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	106230	49.532 ug/l	99
10) Methyl Iodide	4.589	142	129075	52.554 ug/l	99
11) Tert butyl alcohol	5.524	59	106187	322.573 ug/l	99
12) 1,1-Dichloroethene	4.342	96	96807	50.648 ug/l	96
13) Acrolein	4.177	56	132444	294.732 ug/l	98
14) Allyl chloride	5.024	41	152196	49.071 ug/l	98
15) Acrylonitrile	5.718	53	322496	308.429 ug/l	100
16) Acetone	4.424	43	283228	304.912 ug/l	99
17) Carbon Disulfide	4.706	76	231962	39.415 ug/l	99
18) Methyl Acetate	5.024	43	188868	66.866 ug/l	100
19) Methyl tert-butyl Ether	5.794	73	365318	58.861 ug/l	98
20) Methylene Chloride	5.277	84	119509	51.971 ug/l	98
21) trans-1,2-Dichloroethene	5.789	96	103491	50.664 ug/l	97
22) Diisopropyl ether	6.671	45	396871	57.650 ug/l	98
23) Vinyl Acetate	6.600	43	1437042	298.283 ug/l	99
24) 1,1-Dichloroethane	6.571	63	225378	53.692 ug/l	99
25) 2-Butanone	7.483	43	431947	315.996 ug/l	99
26) 2,2-Dichloropropane	7.488	77	161007	47.442 ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	128871	53.563 ug/l	99
28) Bromochloromethane	7.812	49	98668	50.524 ug/l	99
29) Tetrahydrofuran	7.835	42	286418	330.491 ug/l	100
30) Chloroform	7.965	83	236888	54.603 ug/l	99
31) Cyclohexane	8.259	56	160191	43.906 ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	206511	54.266 ug/l	98
36) 1,1-Dichloropropene	8.371	75	148034	48.920 ug/l	99
37) Ethyl Acetate	7.559	43	177968	58.266 ug/l	98
38) Carbon Tetrachloride	8.359	117	181328	52.341 ug/l	100
39) Methylcyclohexane	9.600	83	134210	47.197 ug/l	99
40) Benzene	8.606	78	475849	52.335 ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013125\
Data File : VN085615.D
Acq On : 31 Jan 2025 20:29
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jan 31 22:35:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41)	Methacrylonitrile	7.777	41	92683	58.325	ug/l		96
42)	1,2-Dichloroethane	8.671	62	182981	53.434	ug/l		99
43)	Isopropyl Acetate	8.688	43	368756m	75.346	ug/l		
44)	Trichloroethene	9.347	130	103855	49.070	ug/l		97
45)	1,2-Dichloropropane	9.618	63	125774	54.156	ug/l		98
46)	Dibromomethane	9.706	93	89145	53.196	ug/l		98
47)	Bromodichloromethane	9.888	83	193257	56.606	ug/l		100
48)	Methyl methacrylate	9.676	41	137864	62.594	ug/l		98
49)	1,4-Dioxane	9.688	88	45361	1223.010	ug/l		99
51)	4-Methyl-2-Pentanone	10.441	43	938393	330.417	ug/l		99
52)	Toluene	10.629	92	290451	55.132	ug/l		100
53)	t-1,3-Dichloropropene	10.835	75	177819	55.114	ug/l		97
54)	cis-1,3-Dichloropropene	10.312	75	186200	54.029	ug/l		100
55)	1,1,2-Trichloroethane	11.012	97	117478	56.347	ug/l		97
56)	Ethyl methacrylate	10.871	69	188384	53.497	ug/l		99
57)	1,3-Dichloropropane	11.159	76	203880	56.239	ug/l		98
58)	2-Chloroethyl Vinyl ether	10.159	63	354786	268.153	ug/l		100
59)	2-Hexanone	11.194	43	690267	345.422	ug/l		99
60)	Dibromochloromethane	11.359	129	141958	56.398	ug/l		99
61)	1,2-Dibromoethane	11.470	107	115524	55.665	ug/l		99
64)	Tetrachloroethene	11.100	164	87849	47.100	ug/l		96
65)	Chlorobenzene	11.888	112	317949	53.050	ug/l		100
66)	1,1,1,2-Tetrachloroethane	11.959	131	120637	54.843	ug/l		98
67)	Ethyl Benzene	11.965	91	550760	56.421	ug/l		98
68)	m/p-Xylenes	12.070	106	420906	116.667	ug/l		99
69)	o-Xylene	12.394	106	197427	57.262	ug/l		97
70)	Styrene	12.412	104	349850	61.312	ug/l		100
71)	Bromoform	12.576	173	95484	60.667	ug/l	#	99
73)	Isopropylbenzene	12.694	105	511179	54.493	ug/l		100
74)	N-amyl acetate	12.494	43	250834	59.490	ug/l		99
75)	1,1,2,2-Tetrachloroethane	12.935	83	183825	55.475	ug/l		100
76)	1,2,3-Trichloropropane	12.994	75	150923m	53.424	ug/l		
77)	Bromobenzene	12.976	156	126109	51.456	ug/l		97
78)	n-propylbenzene	13.035	91	608832	54.824	ug/l		99
79)	2-Chlorotoluene	13.123	91	382202	53.178	ug/l		99
80)	1,3,5-Trimethylbenzene	13.170	105	433661	55.967	ug/l		100
81)	trans-1,4-Dichloro-2-b...	12.735	75	59411	56.899	ug/l		97
82)	4-Chlorotoluene	13.217	91	383054	53.528	ug/l		99
83)	tert-Butylbenzene	13.435	119	358257	55.058	ug/l		100
84)	1,2,4-Trimethylbenzene	13.482	105	443007	57.364	ug/l		100
85)	sec-Butylbenzene	13.612	105	504116	55.898	ug/l		100
86)	p-Isopropyltoluene	13.729	119	416356	51.127	ug/l		99
87)	1,3-Dichlorobenzene	13.729	146	234619	51.982	ug/l		99
88)	1,4-Dichlorobenzene	13.812	146	234490	50.123	ug/l		98
89)	n-Butylbenzene	14.053	91	337176	52.115	ug/l		99
90)	Hexachloroethane	14.329	117	90142	52.504	ug/l		98
91)	1,2-Dichlorobenzene	14.100	146	228059	50.656	ug/l		98
92)	1,2-Dibromo-3-Chloropr...	14.717	75	37029	61.195	ug/l		96
93)	1,2,4-Trichlorobenzene	15.394	180	104583	49.981	ug/l		98
94)	Hexachlorobutadiene	15.500	225	49075	44.176	ug/l		95
95)	Naphthalene	15.641	128	343115	54.952	ug/l		99
96)	1,2,3-Trichlorobenzene	15.835	180	107137	50.602	ug/l		99

Sample Results: **VN085615.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013125\
Data File : VN085615.D
Acq On : 31 Jan 2025 20:29
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jan 31 22:35:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

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

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

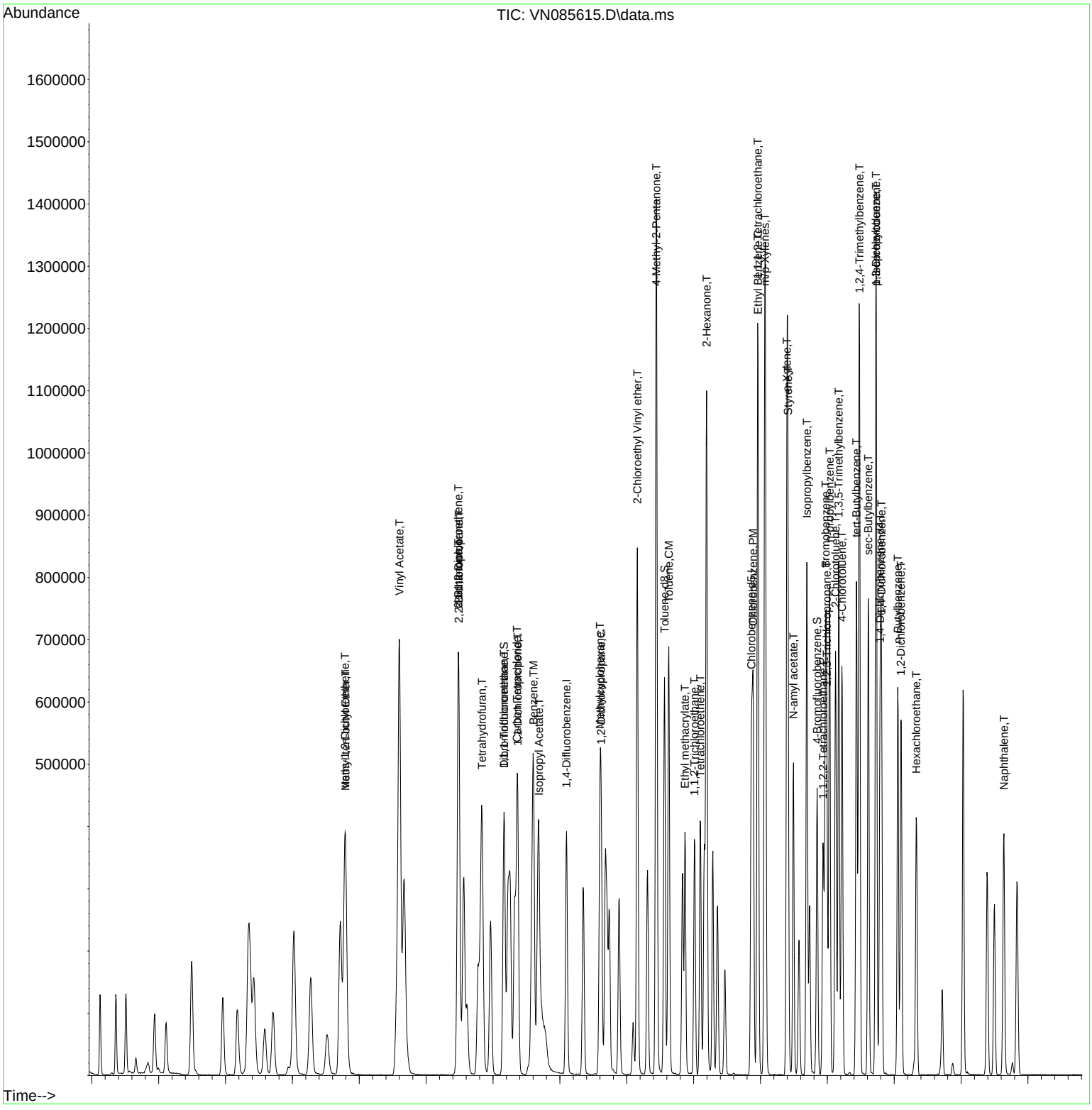
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013125\
Data File : VN085615.D
Acq On : 31 Jan 2025 20:29
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 28 Sample Multiplier: 1

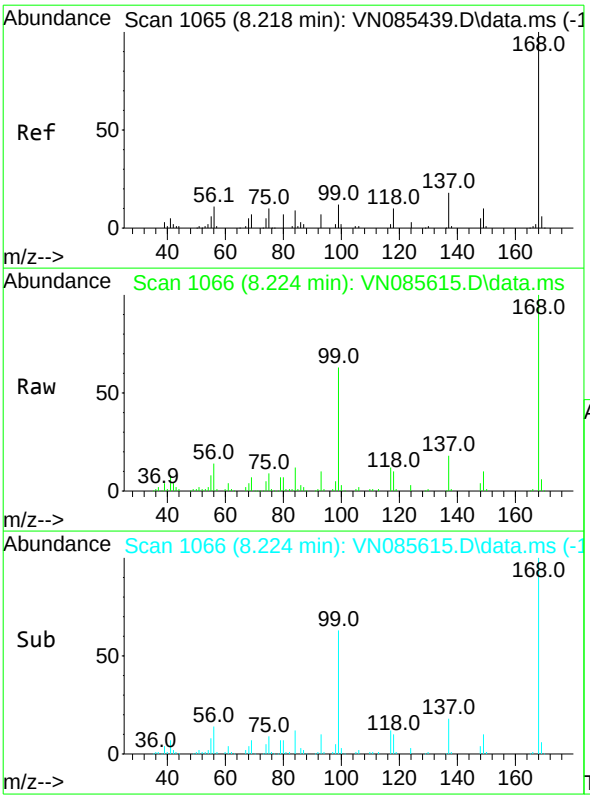
Quant Time: Jan 31 22:35:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

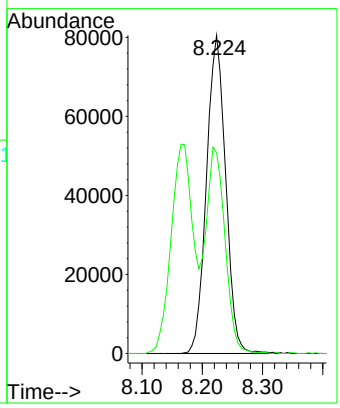




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion:168 Resp: 178096

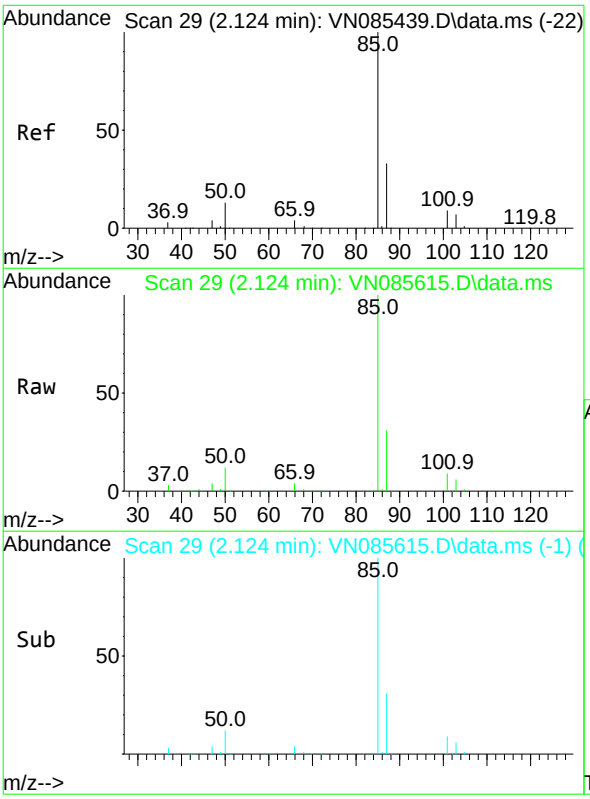
Ion	Ratio	Lower	Upper
168	100		
99	62.9	53.6	80.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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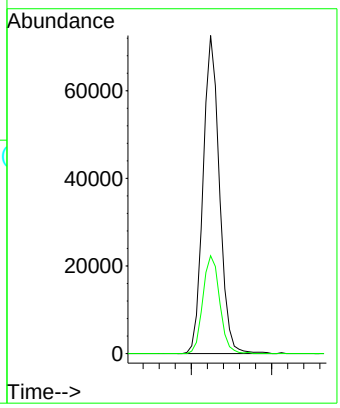
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

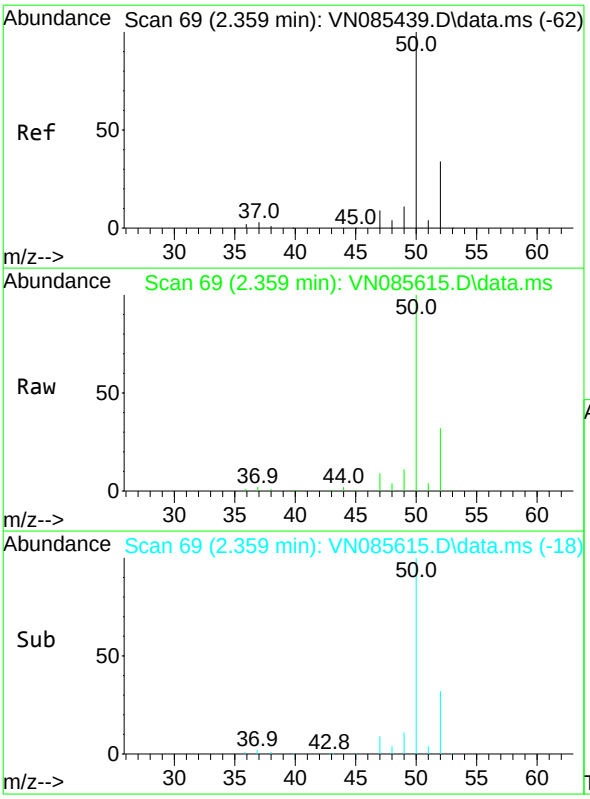


#2
Dichlorodifluoromethane
Concen: 42.525 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion: 85 Resp: 102542

Ion	Ratio	Lower	Upper
85	100		
87	30.8	16.7	50.1

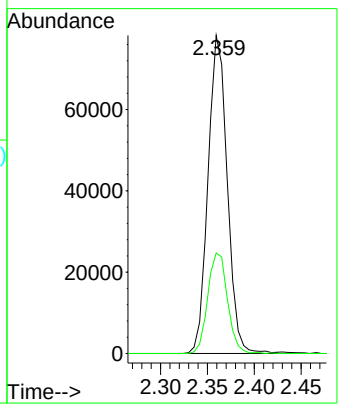




#3
Chloromethane
Concen: 42.761 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion: 50 Resp: 111644

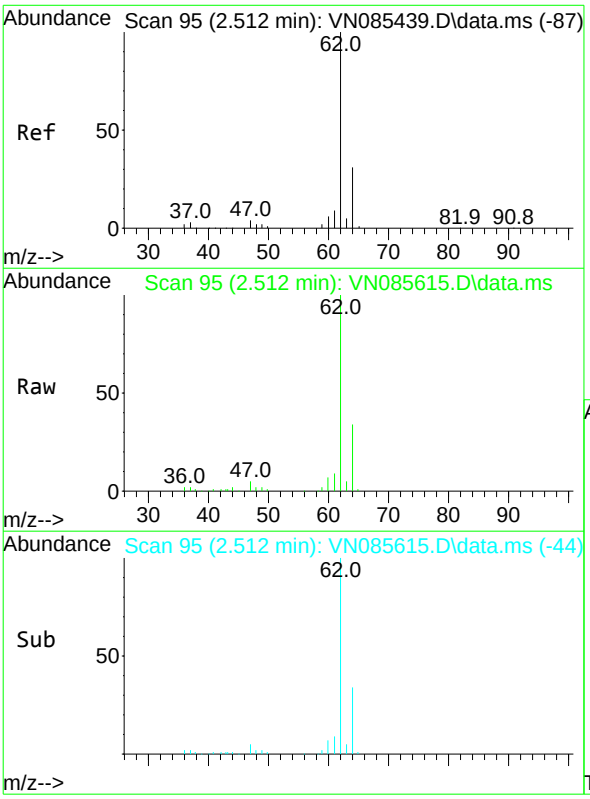
Ion	Ratio	Lower	Upper
50	100		
52	31.6	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

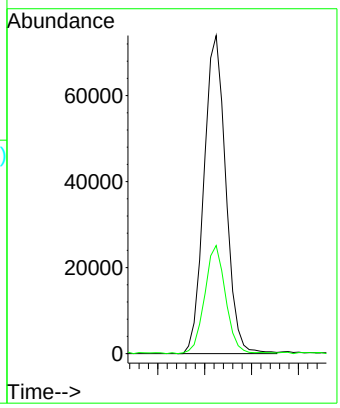
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

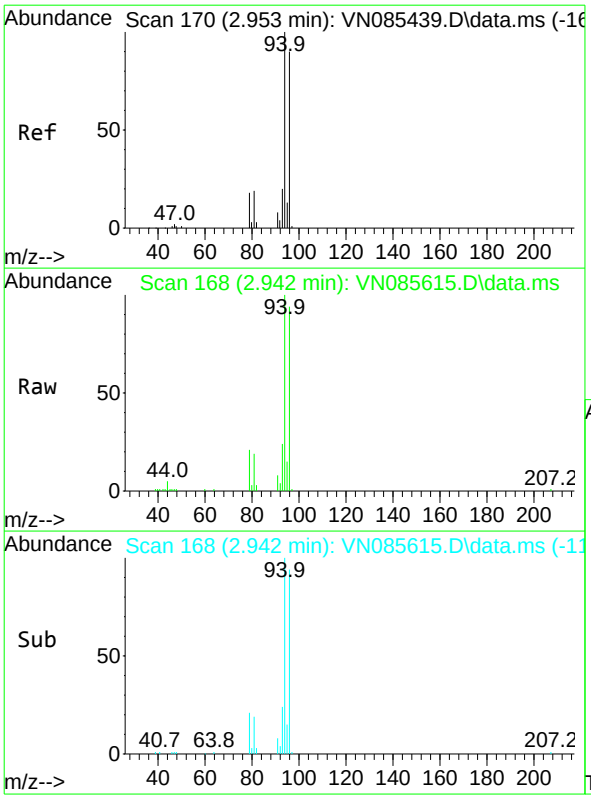


#4
Vinyl Chloride
Concen: 45.459 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion: 62 Resp: 119298

Ion	Ratio	Lower	Upper
62	100		
64	34.0	24.8	37.2

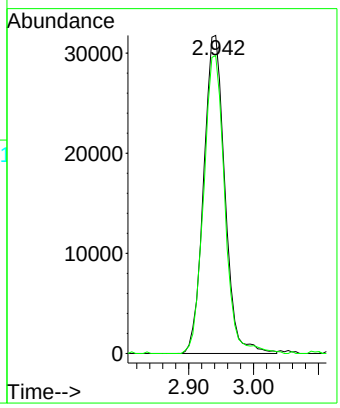




#5
Bromomethane
Concen: 45.461 ug/l
RT: 2.942 min Scan# 16
Delta R.T. -0.012 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion: 94 Resp: 72063

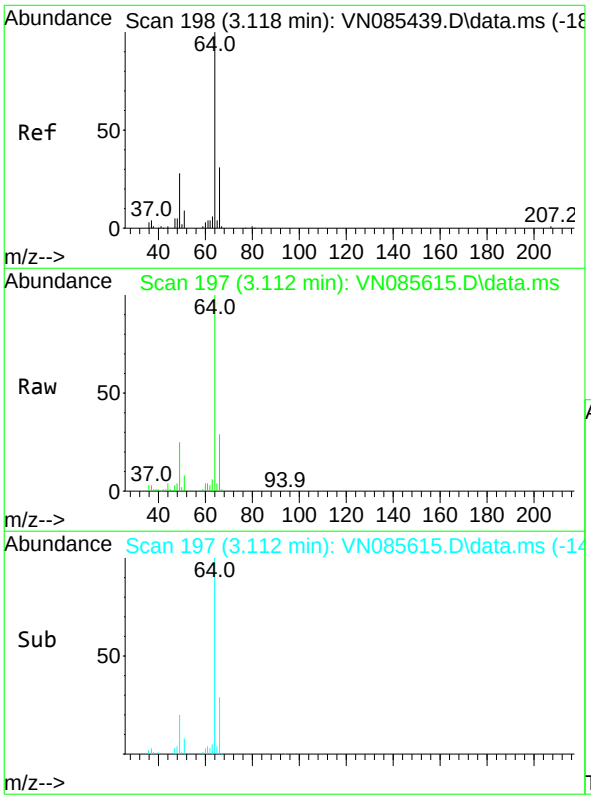
Ion	Ratio	Lower	Upper
94	100		
96	93.7	71.8	107.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

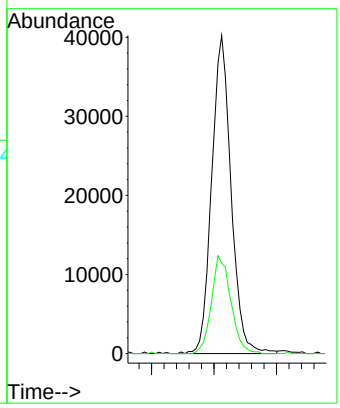
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

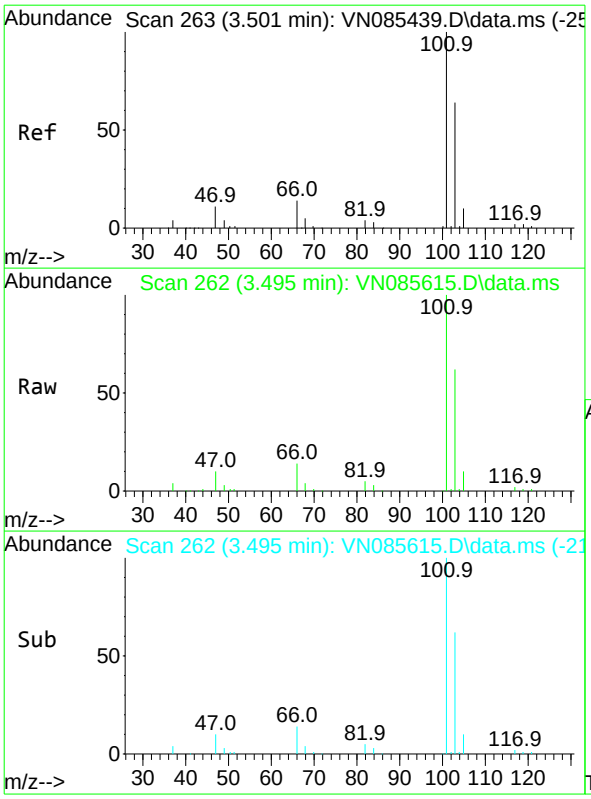


#6
Chloroethane
Concen: 52.096 ug/l
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion: 64 Resp: 86676

Ion	Ratio	Lower	Upper
64	100		
66	28.5	24.6	36.8

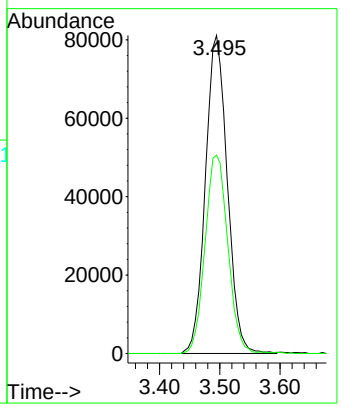




#7
Trichlorofluoromethane
Concen: 53.795 ug/l
RT: 3.495 min Scan# 26
Delta R.T. -0.006 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion:101 Resp: 204839

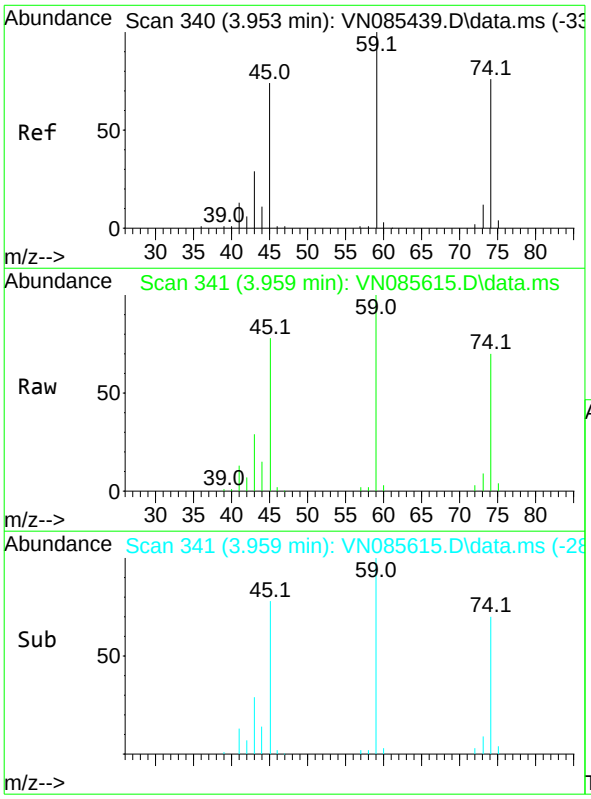
Ion	Ratio	Lower	Upper
101	100		
103	62.3	51.4	77.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

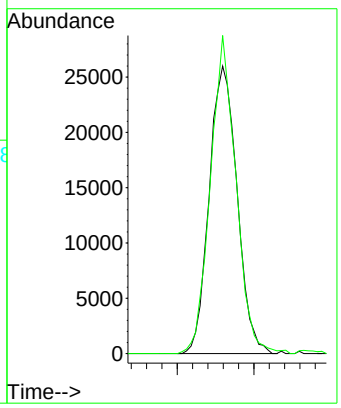
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

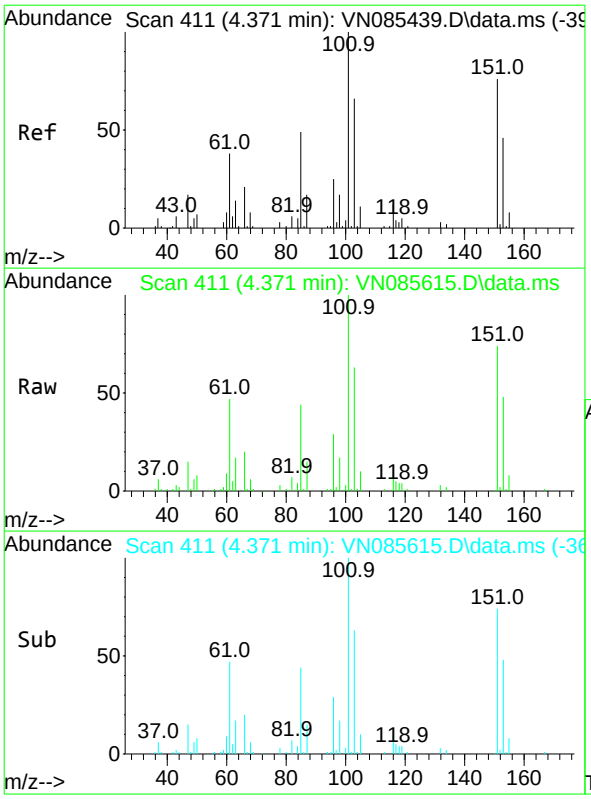


#8
Diethyl Ether
Concen: 49.910 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.006 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion: 74 Resp: 65653

Ion	Ratio	Lower	Upper
74	100		
45	101.6	49.7	149.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.532 ug/l
RT: 4.371 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

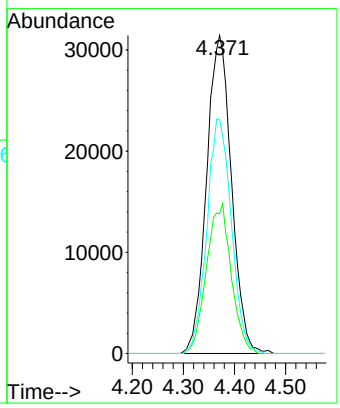
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

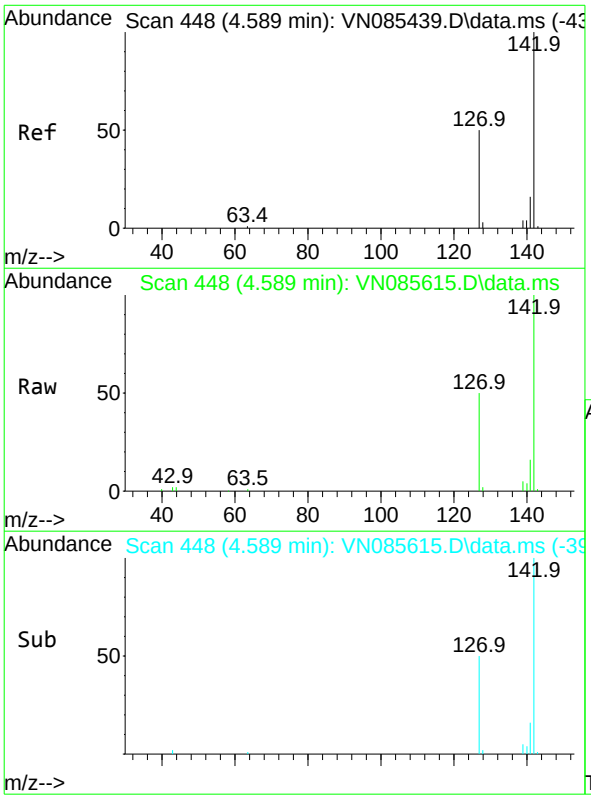
Tgt Ion:101 Resp: 106230

Ion	Ratio	Lower	Upper
101	100		
85	46.8	37.8	56.8
151	72.8	58.8	88.2

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

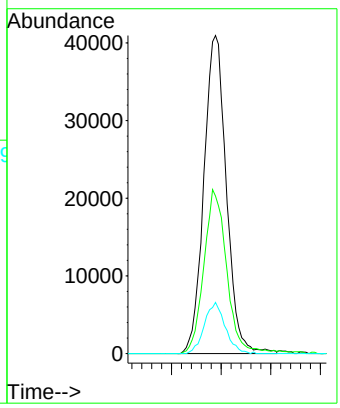


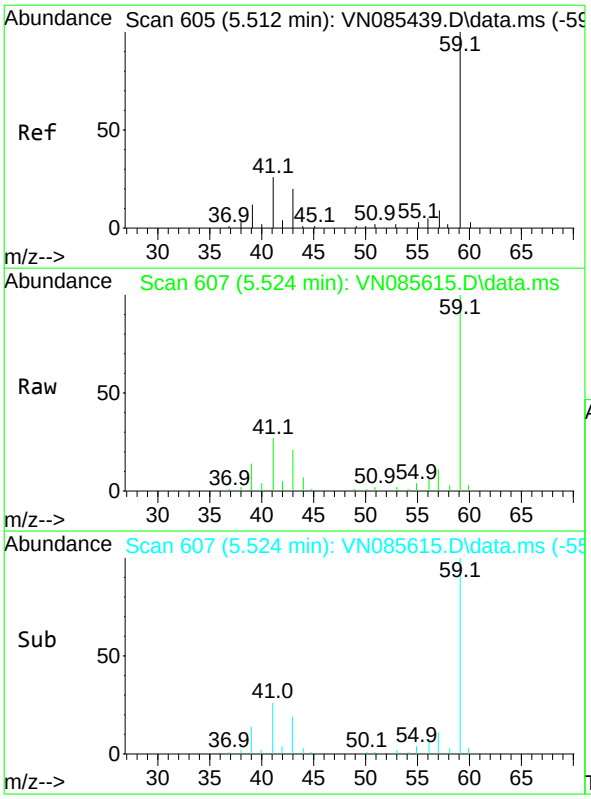


#10
Methyl Iodide
Concen: 52.554 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.000 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion:142 Resp: 129075

Ion	Ratio	Lower	Upper
142	100		
127	49.5	40.3	60.5
141	16.1	12.8	19.2

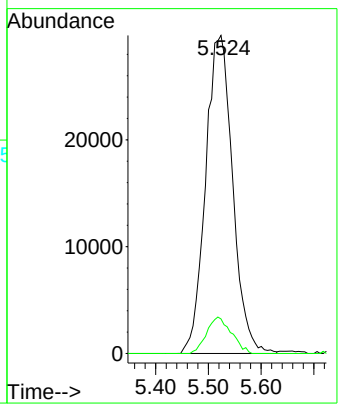




#11
Tert butyl alcohol
Concen: 322.573 ug/l
RT: 5.524 min Scan# 60
Delta R.T. 0.012 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion: 59 Resp: 106187

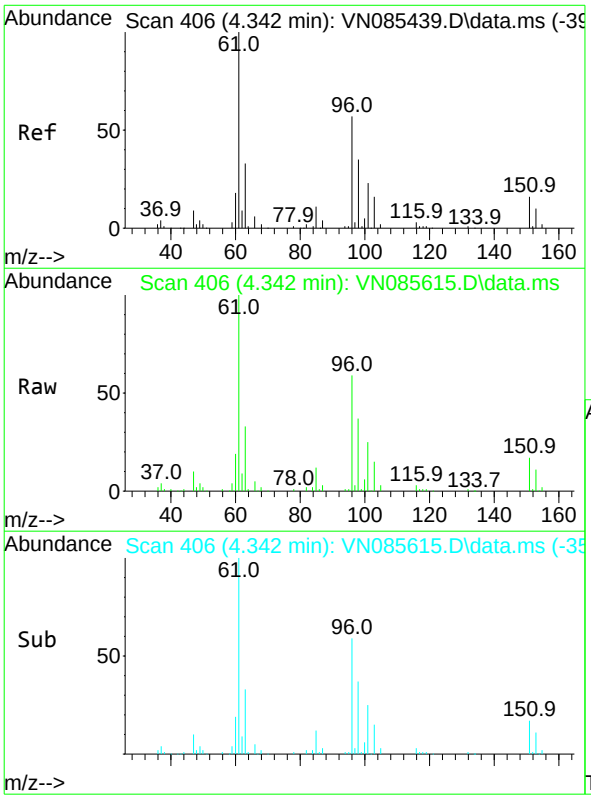
Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.6	13.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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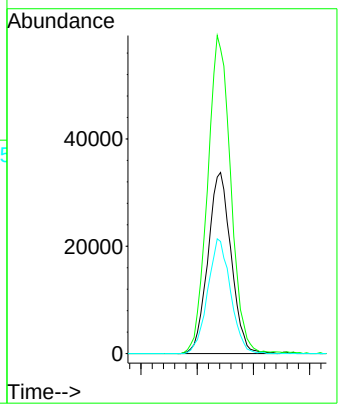
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

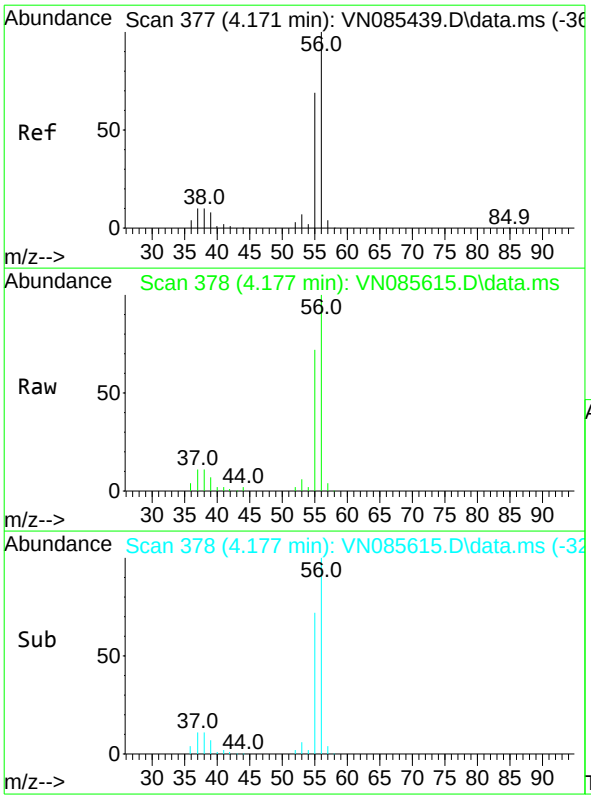


#12
1,1-Dichloroethene
Concen: 50.648 ug/l
RT: 4.342 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion: 96 Resp: 96807

Ion	Ratio	Lower	Upper
96	100		
61	168.2	141.0	211.4
98	61.9	49.0	73.6

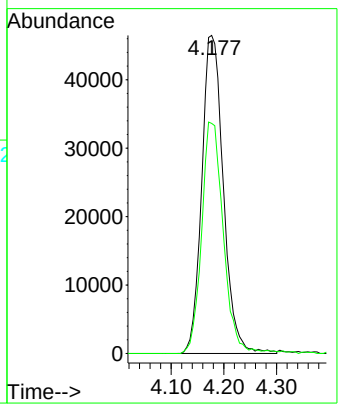




#13
Acrolein
Concen: 294.732 ug/l
RT: 4.177 min Scan# 37
Delta R.T. 0.006 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion: 56 Resp: 132444

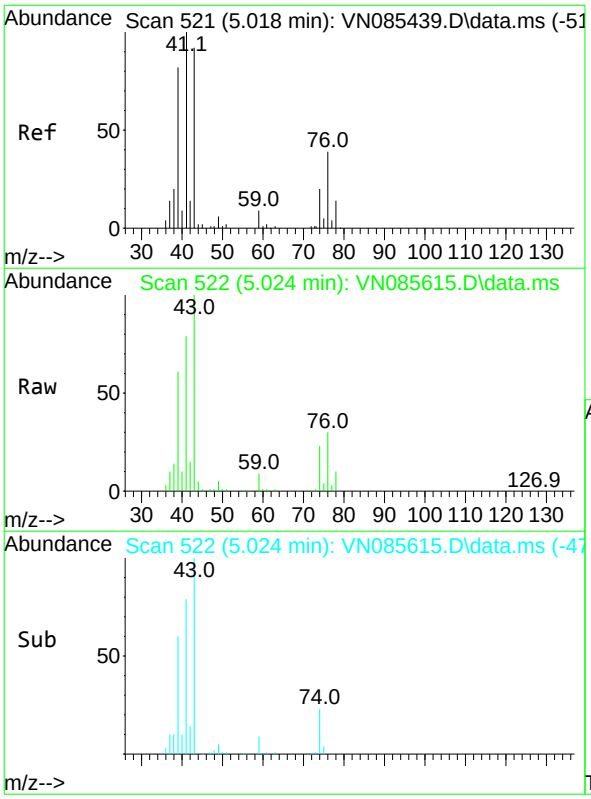
Ion	Ratio	Lower	Upper
56	100		
55	72.4	56.3	84.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

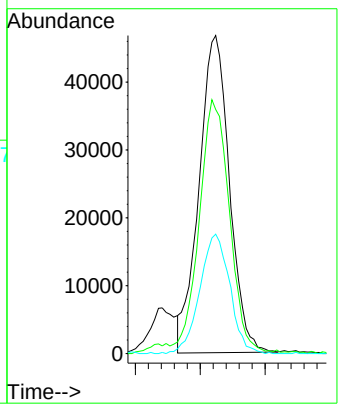
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

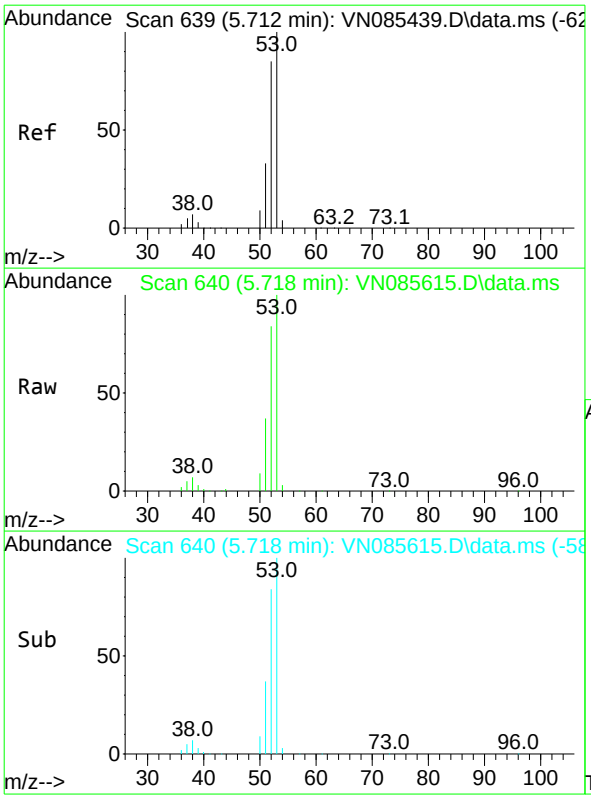


#14
Allyl chloride
Concen: 49.071 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion: 41 Resp: 152196

Ion	Ratio	Lower	Upper
41	100		
39	78.9	64.4	96.6
76	37.1	30.5	45.7

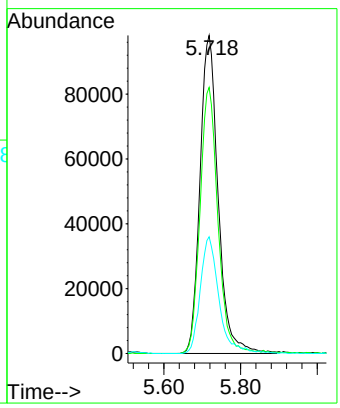




#15
Acrylonitrile
Concen: 308.429 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.006 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion: 53 Resp: 322496

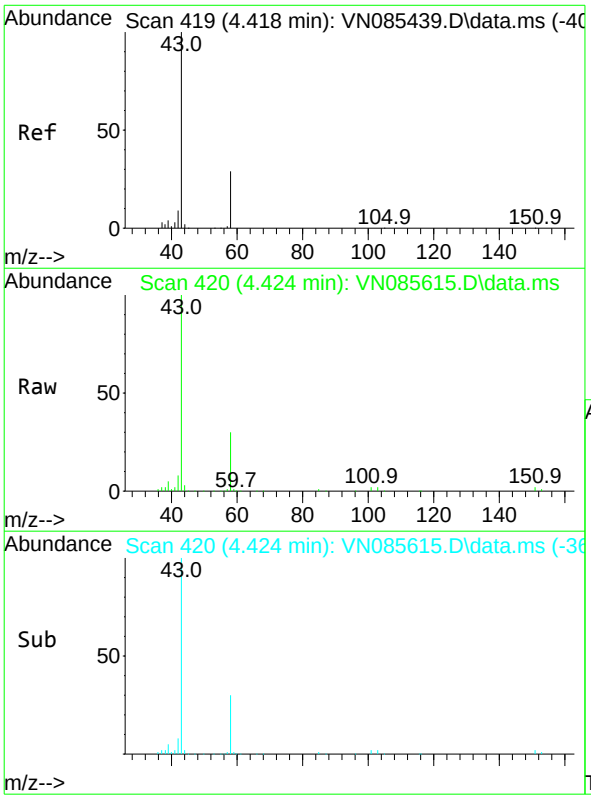
Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.5	98.3
51	37.3	29.8	44.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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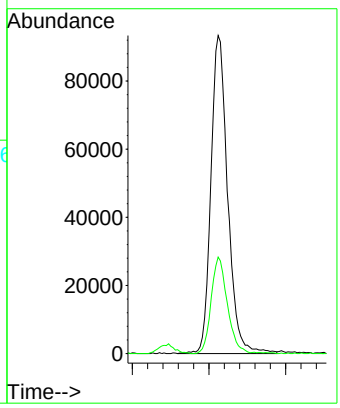
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

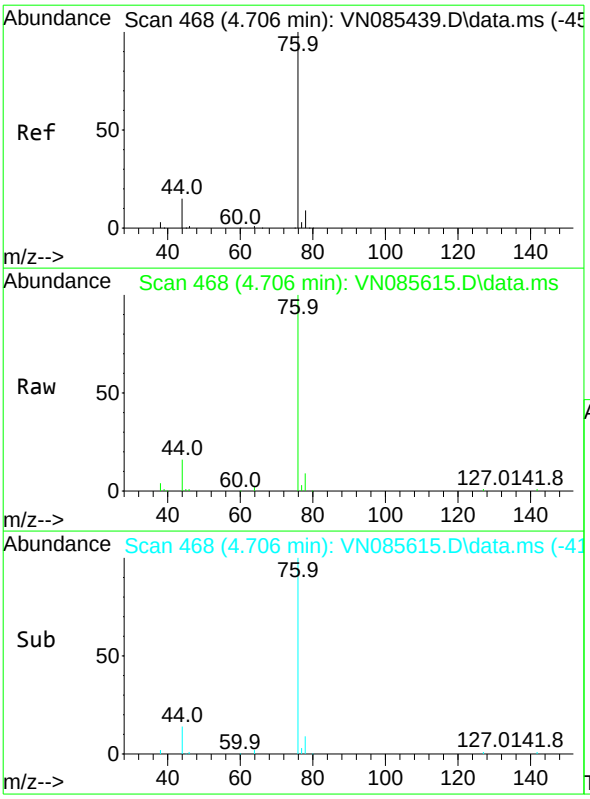


#16
Acetone
Concen: 304.912 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion: 43 Resp: 283228

Ion	Ratio	Lower	Upper
43	100		
58	30.4	23.8	35.6





#17
Carbon Disulfide
Concen: 39.415 ug/l
RT: 4.706 min Scan# 46
Delta R.T. -0.000 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

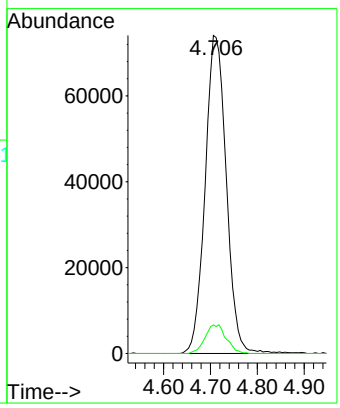
Tgt Ion: 76 Resp: 231962

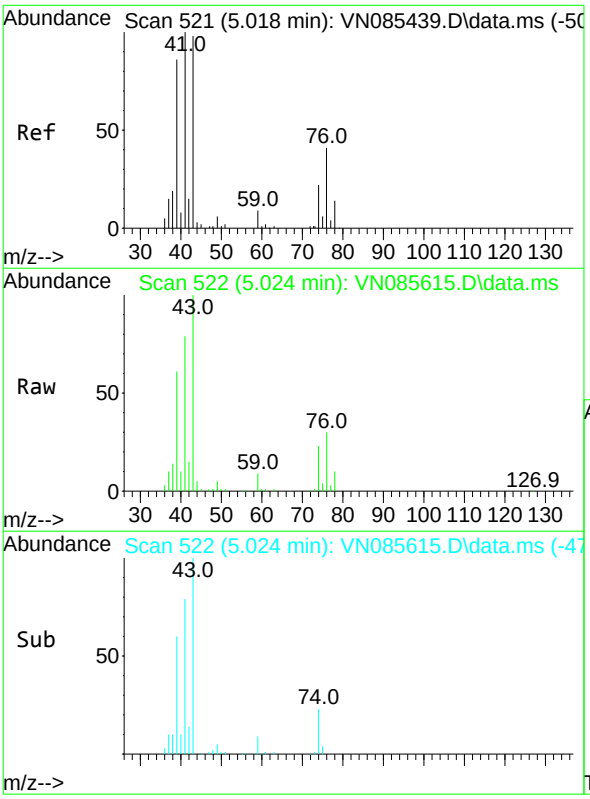
Ion	Ratio	Lower	Upper
76	100		
78	9.0	6.9	10.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

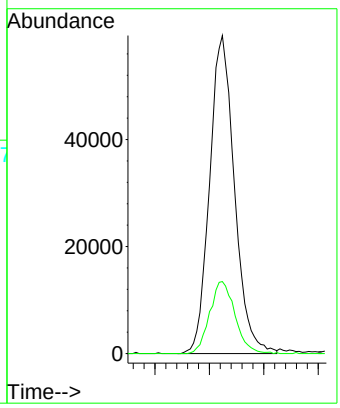


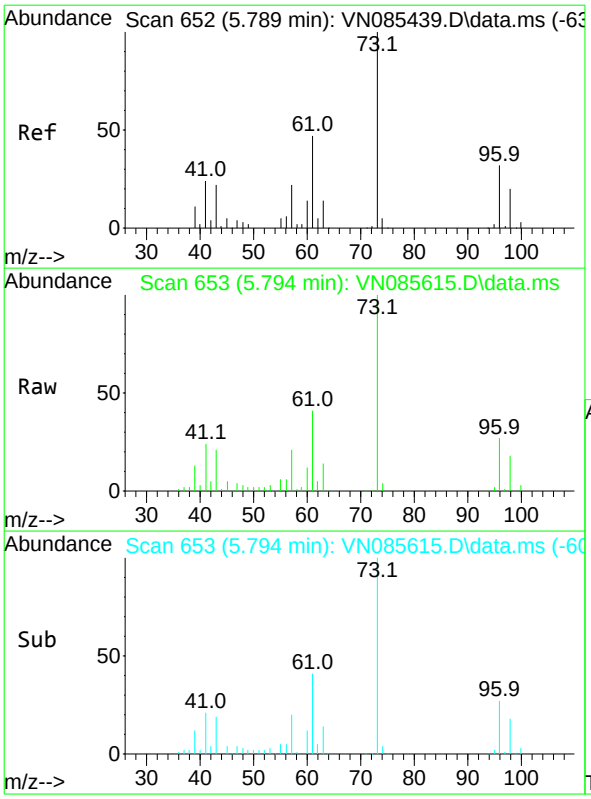


#18
Methyl Acetate
Concen: 66.866 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion: 43 Resp: 188868

Ion	Ratio	Lower	Upper
43	100		
74	23.1	18.6	28.0

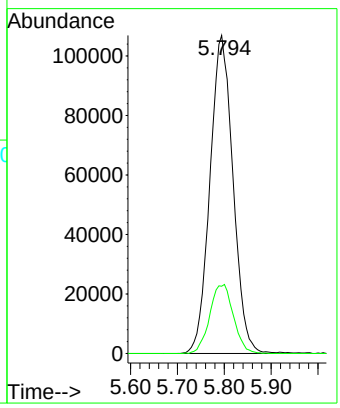




#19
Methyl tert-butyl Ether
Concen: 58.861 ug/l
RT: 5.794 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion: 73 Resp: 365318

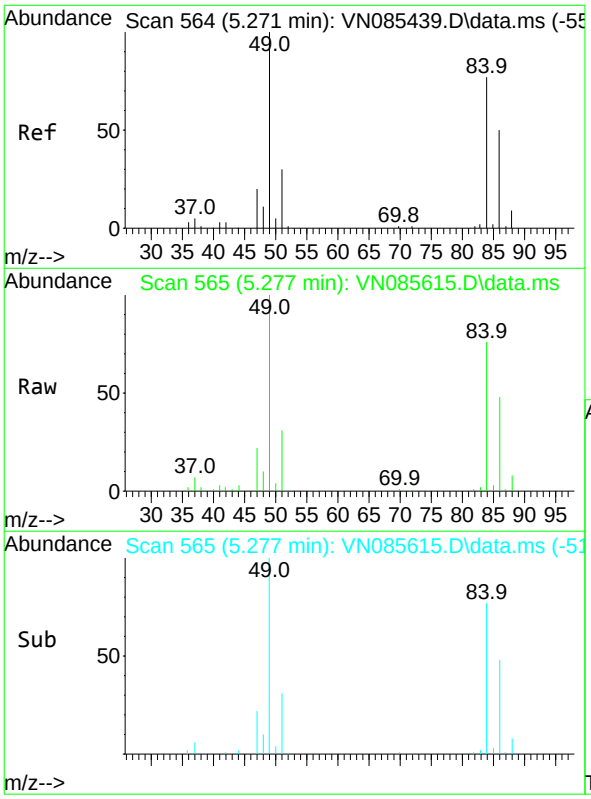
Ion	Ratio	Lower	Upper
73	100		
57	21.2	17.8	26.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

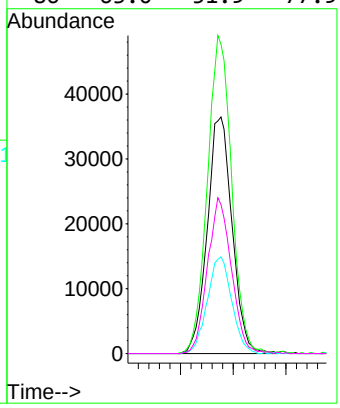
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

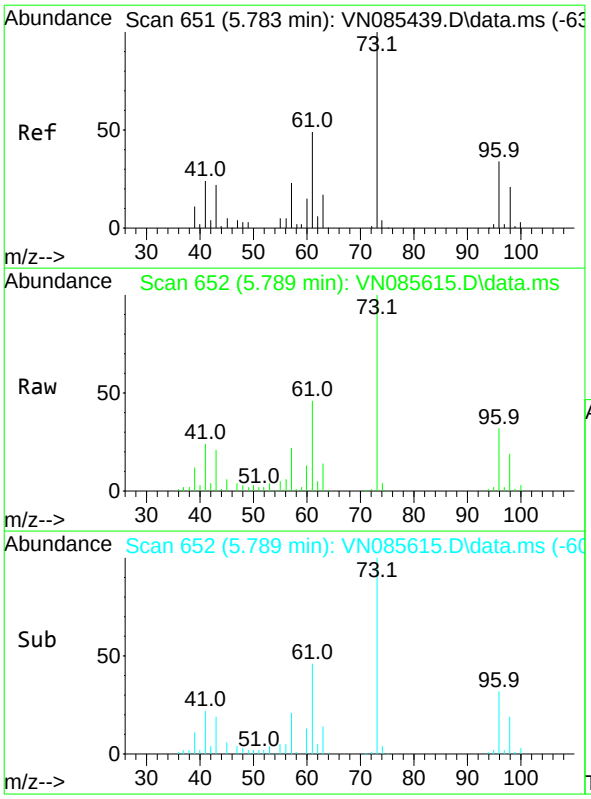


#20
Methylene Chloride
Concen: 51.971 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion: 84 Resp: 119509

Ion	Ratio	Lower	Upper
84	100		
49	130.8	104.1	156.1
51	40.9	31.0	46.4
86	63.0	51.9	77.9

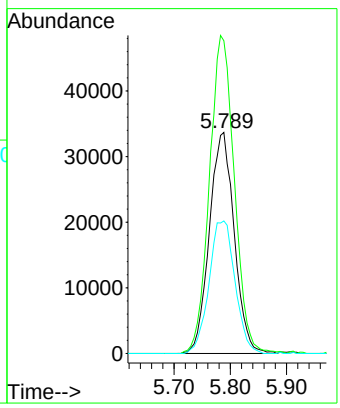




#21
trans-1,2-Dichloroethene
Concen: 50.664 ug/l
RT: 5.789 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion: 96 Resp: 103491

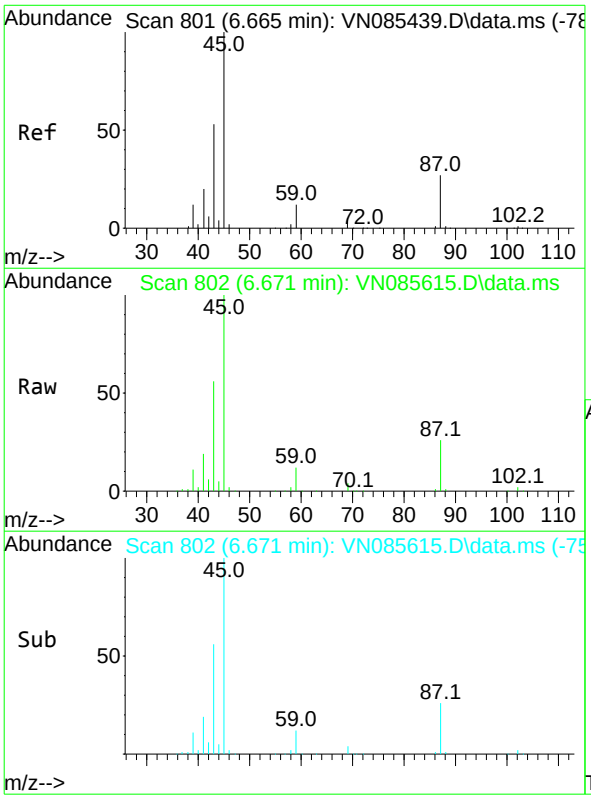
Ion	Ratio	Lower	Upper
96	100		
61	141.5	115.7	173.5
98	59.9	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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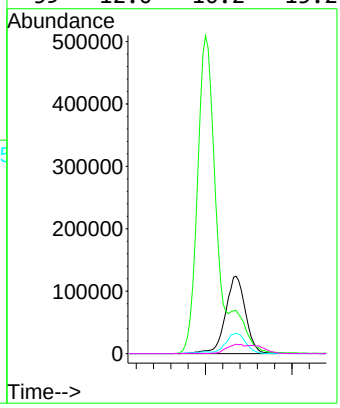
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

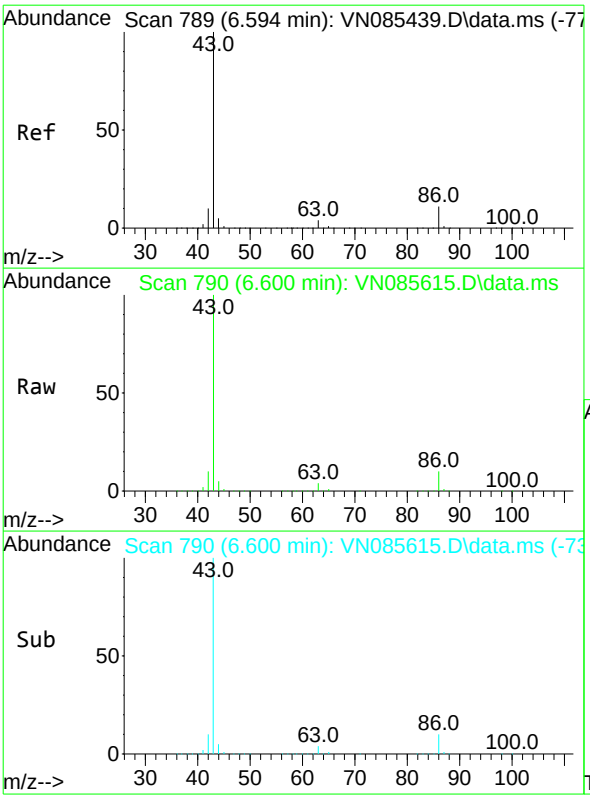


#22
Diisopropyl ether
Concen: 57.650 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.006 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion: 45 Resp: 396871

Ion	Ratio	Lower	Upper
45	100		
43	55.3	45.0	67.6
87	26.3	21.8	32.8
59	12.0	10.2	15.2





#23
Vinyl Acetate
Concen: 298.283 ug/l
RT: 6.600 min Scan# 79
Delta R.T. 0.006 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

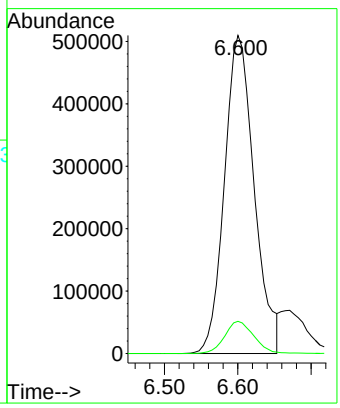
Tgt Ion: 43 Resp: 1437042

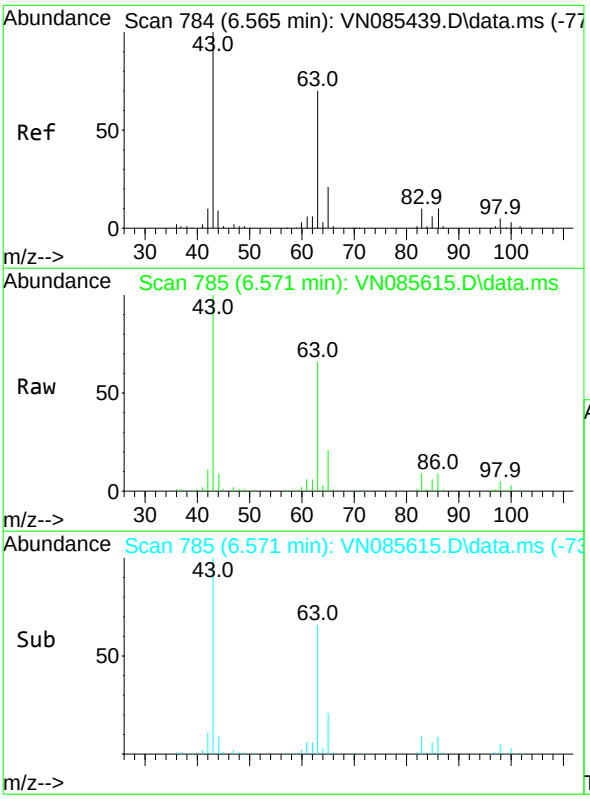
Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.4	12.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

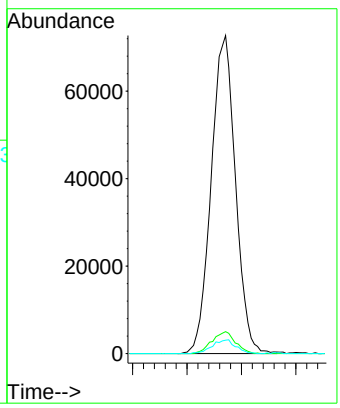


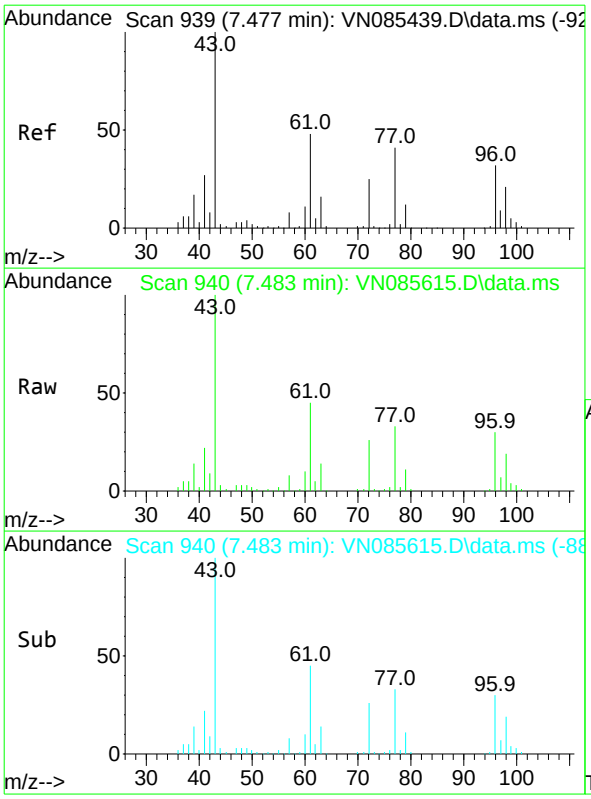


#24
1,1-Dichloroethane
Concen: 53.692 ug/l
RT: 6.571 min Scan# 785
Delta R.T. 0.006 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion: 63 Resp: 225378

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.3	9.8
100	4.2	2.0	6.0





#25
2-Butanone
Concen: 315.996 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

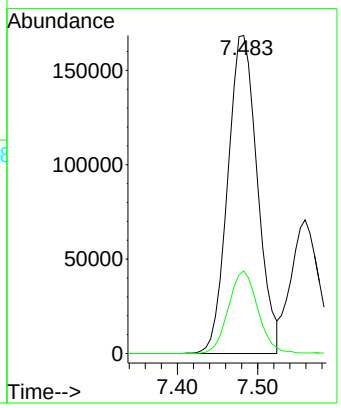
Tgt Ion: 43 Resp: 431947

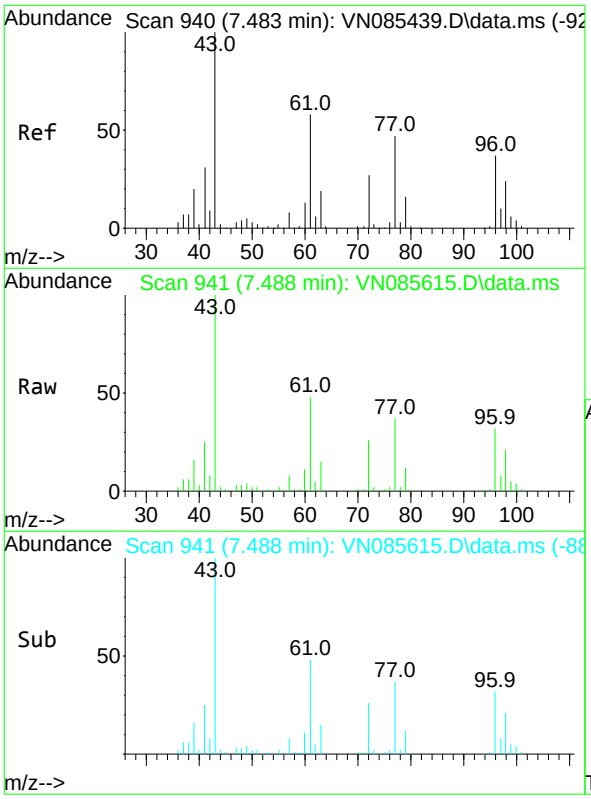
Ion	Ratio	Lower	Upper
43	100		
72	26.0	20.2	30.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

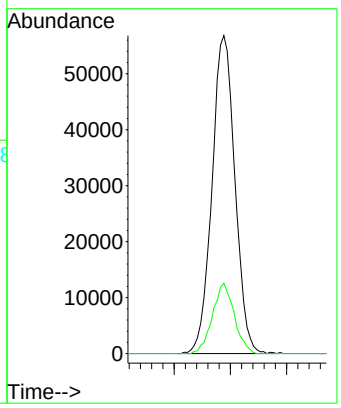


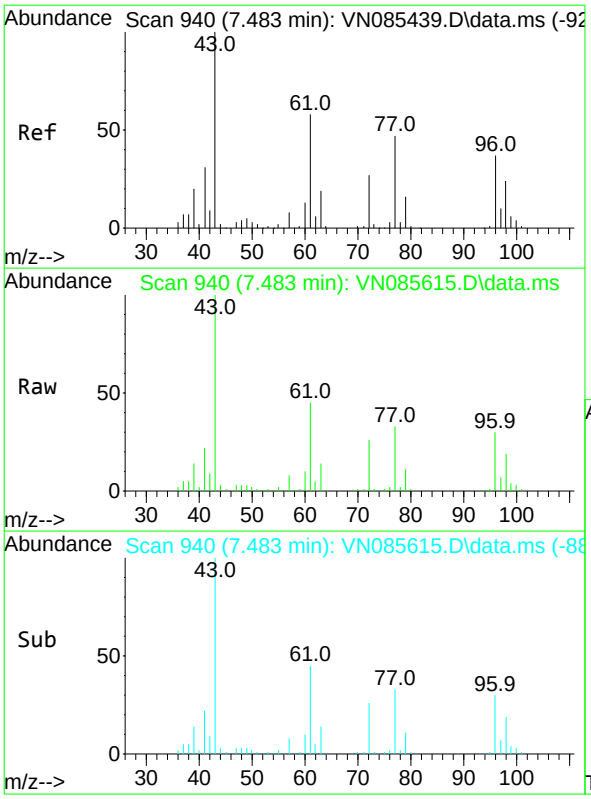


#26
2,2-Dichloropropane
Concen: 47.442 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion: 77 Resp: 161007

Ion	Ratio	Lower	Upper
77	100		
97	21.0	10.7	32.1





#27
cis-1,2-Dichloroethene
Concen: 53.563 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

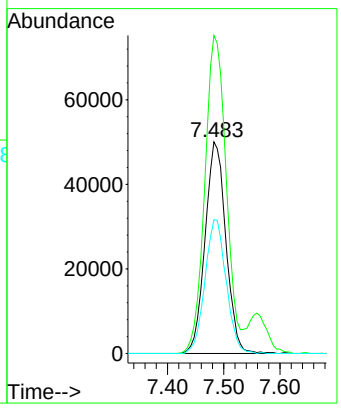
Tgt Ion: 96 Resp: 128871

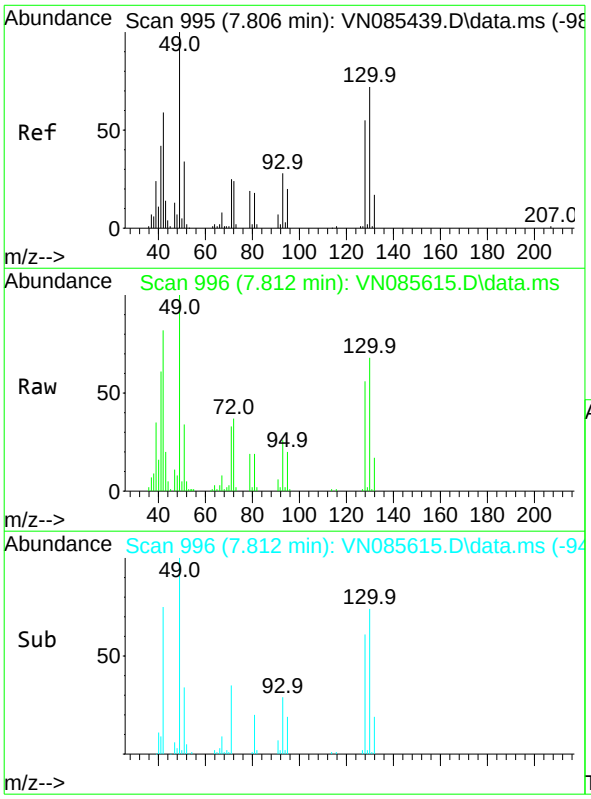
Ion	Ratio	Lower	Upper
96	100		
61	154.9	0.0	311.8
98	64.4	0.0	126.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

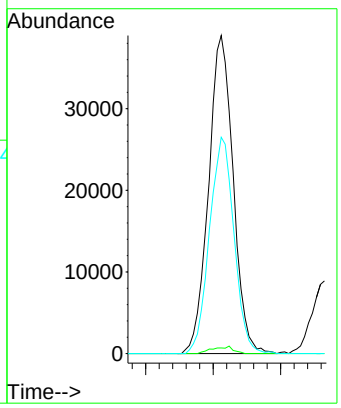


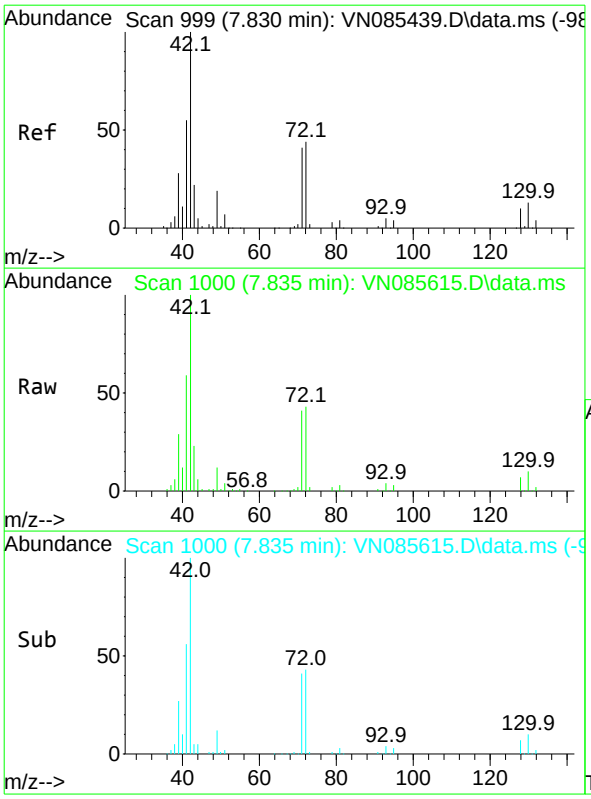


#28
Bromochloromethane
Concen: 50.524 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion: 49 Resp: 98668

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.4
130	67.9	55.0	82.4

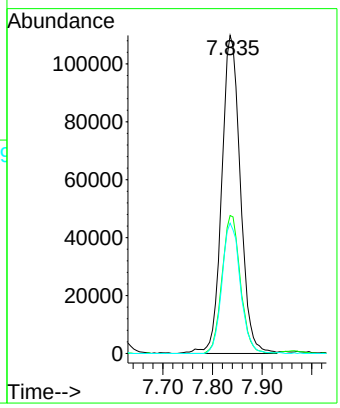




#29
Tetrahydrofuran
Concen: 330.491 ug/l
RT: 7.835 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion: 42 Resp: 286418

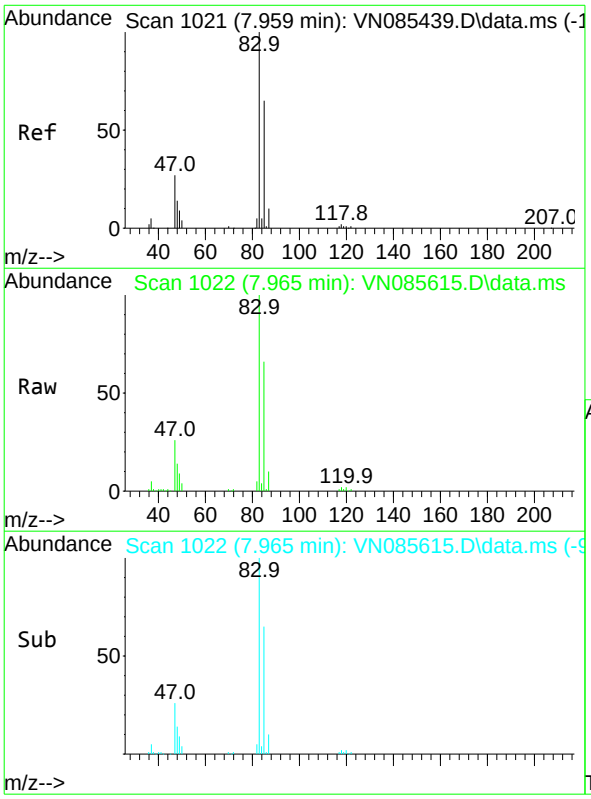
Ion	Ratio	Lower	Upper
42	100		
72	42.8	34.2	51.2
71	40.5	32.5	48.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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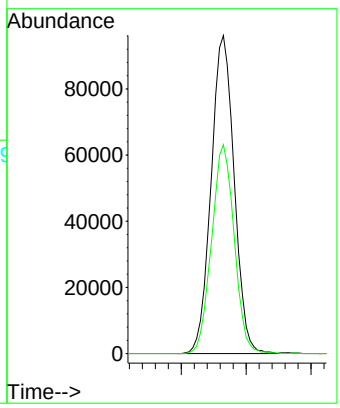
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

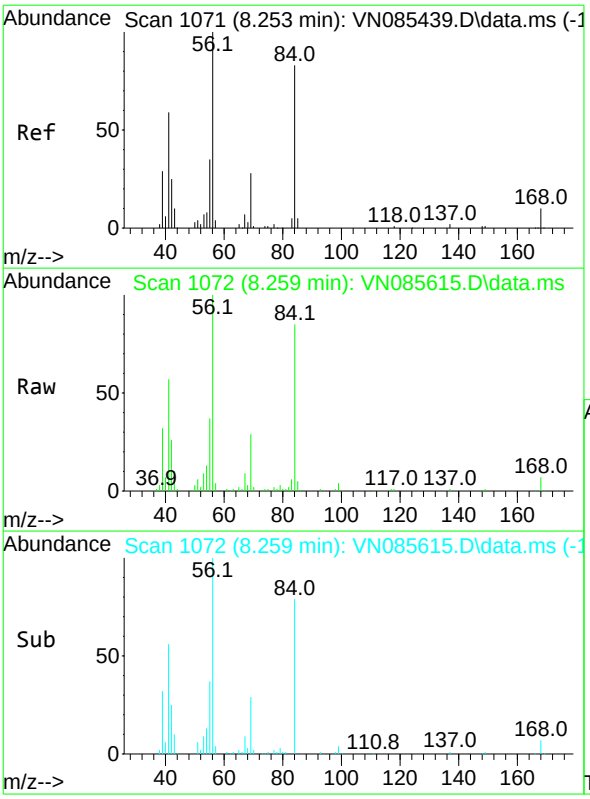


#30
Chloroform
Concen: 54.603 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion: 83 Resp: 236888

Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.8	77.6

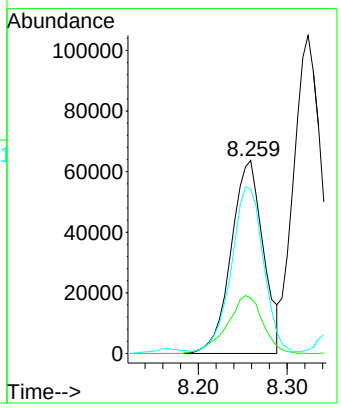




#31
Cyclohexane
Concen: 43.906 ug/l
RT: 8.259 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion: 56 Resp: 160191

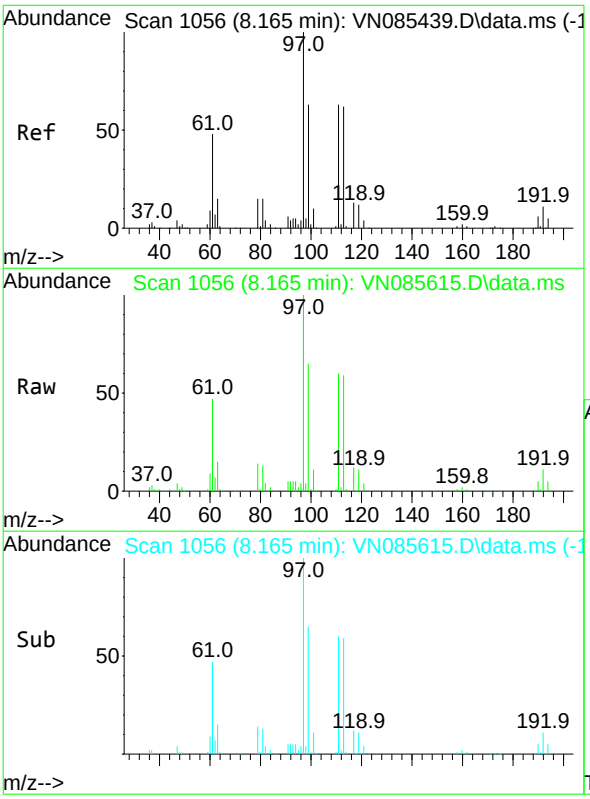
Ion	Ratio	Lower	Upper
56	100		
69	28.8	22.2	33.4
84	83.1	66.4	99.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

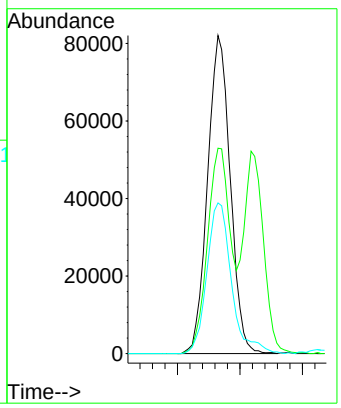
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

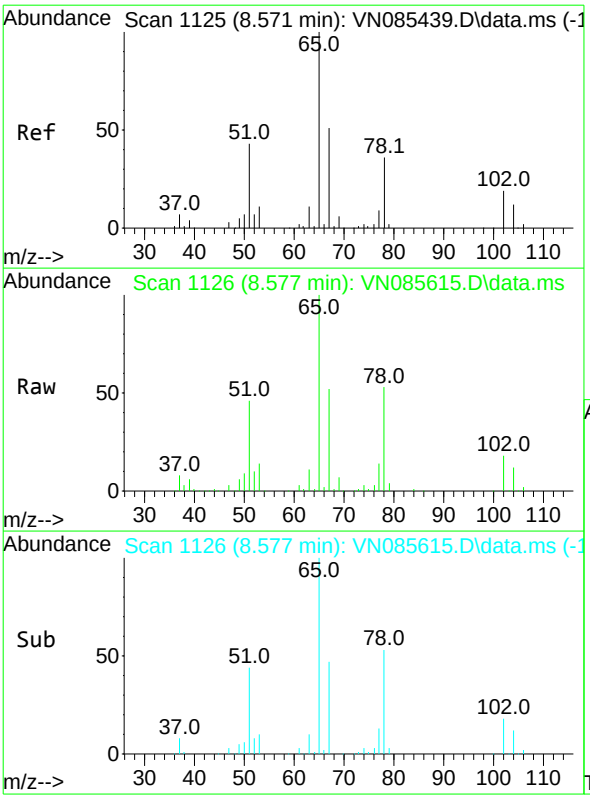


#32
1,1,1-Trichloroethane
Concen: 54.266 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion: 97 Resp: 206511

Ion	Ratio	Lower	Upper
97	100		
99	65.1	49.8	74.6
61	51.3	41.4	62.2

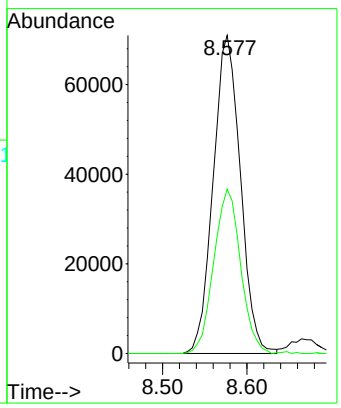




#33
1,2-Dichloroethane-d4
Concen: 55.255 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion: 65 Resp: 158849

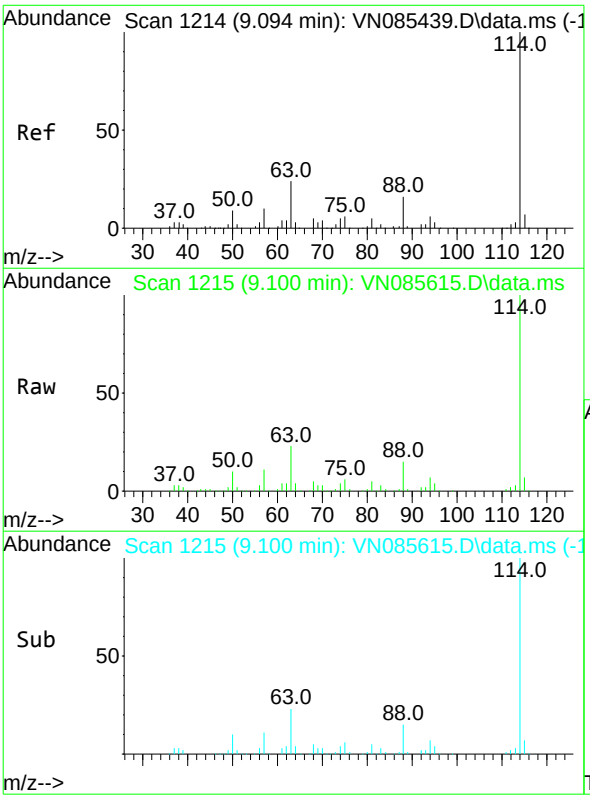
Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	101.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

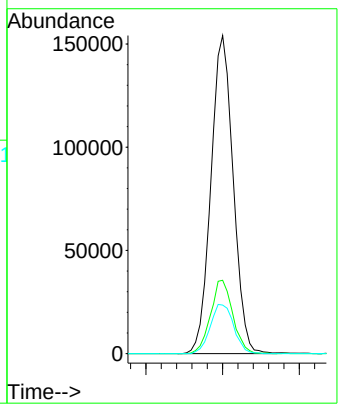
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

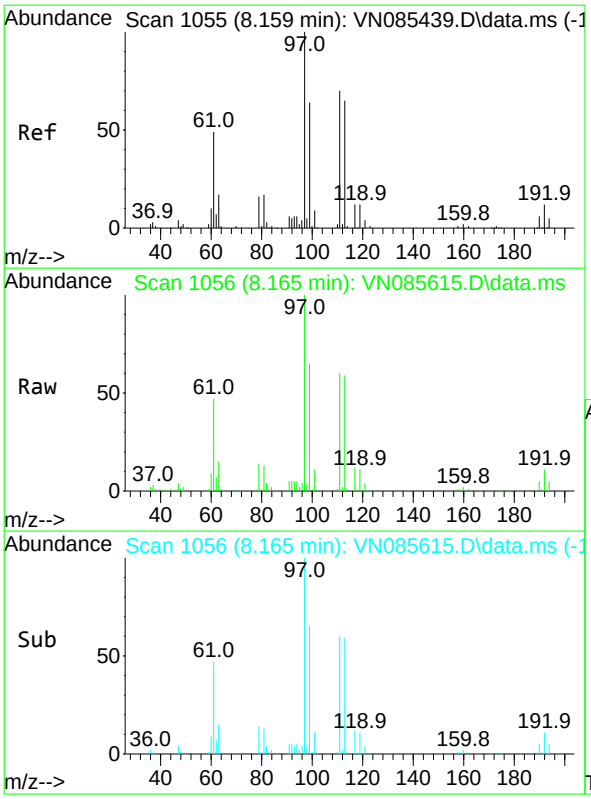


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion:114 Resp: 310790

Ion	Ratio	Lower	Upper
114	100		
63	23.1	0.0	47.6
88	15.2	0.0	32.6

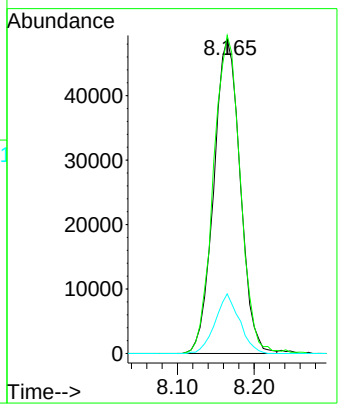




#35
Dibromofluoromethane
Concen: 54.028 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion:113 Resp: 116490

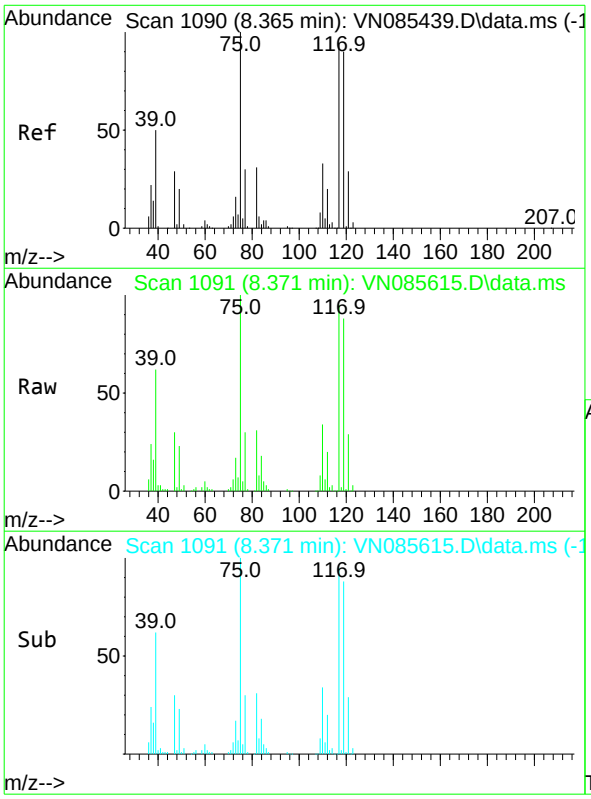
Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.7	124.1
192	17.5	14.3	21.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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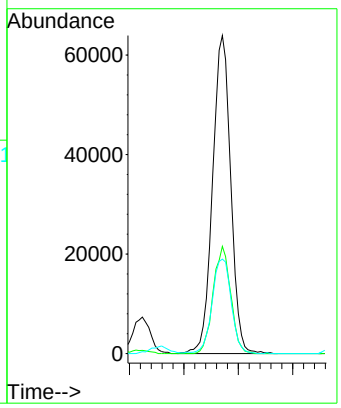
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

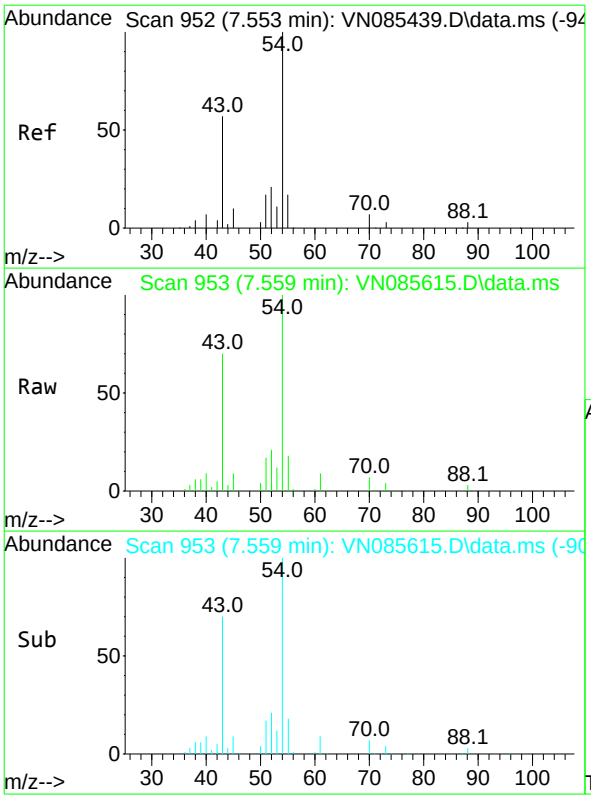


#36
1,1-Dichloropropene
Concen: 48.920 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.006 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion: 75 Resp: 148034

Ion	Ratio	Lower	Upper
75	100		
110	32.6	16.5	49.5
77	31.4	24.4	36.6





#37
Ethyl Acetate
Concen: 58.266 ug/l
RT: 7.559 min Scan# 95
Delta R.T. 0.006 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

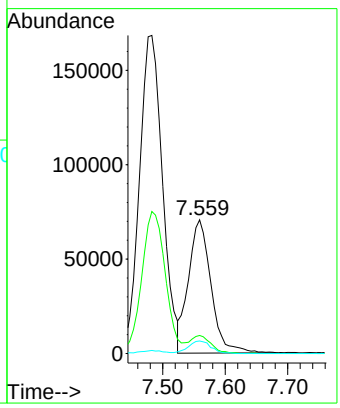
Tgt Ion: 43 Resp: 177968

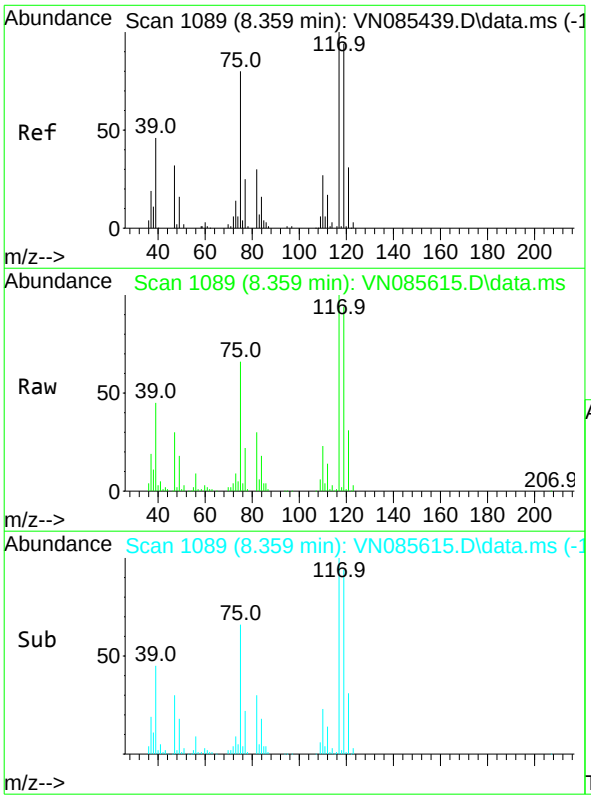
Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.9	16.3
70	9.3	7.5	11.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

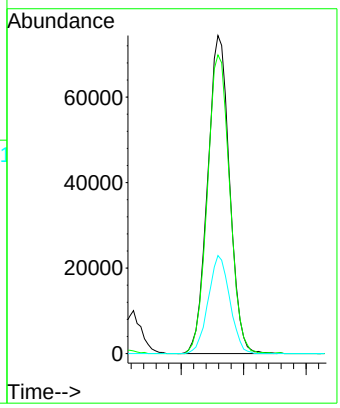


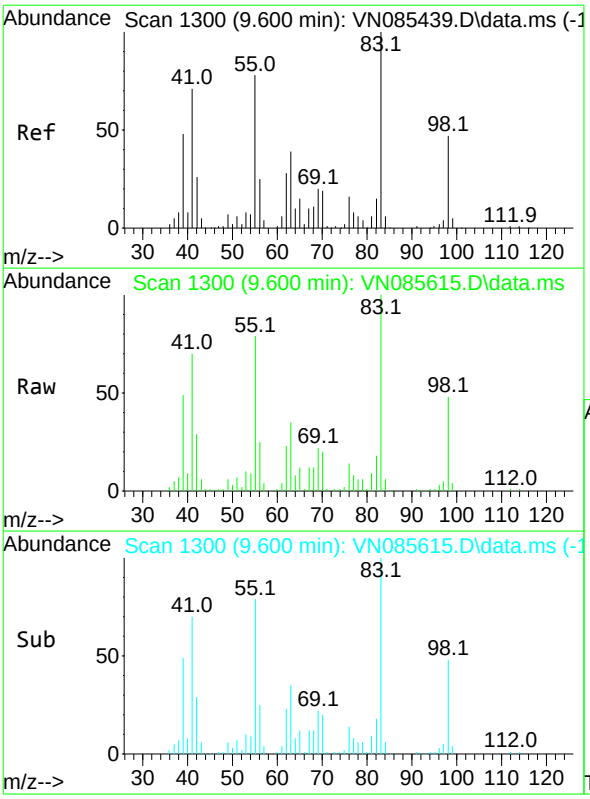


#38
Carbon Tetrachloride
Concen: 52.341 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion:117 Resp: 181328

Ion	Ratio	Lower	Upper
117	100		
119	93.9	75.4	113.2
121	30.8	24.6	37.0

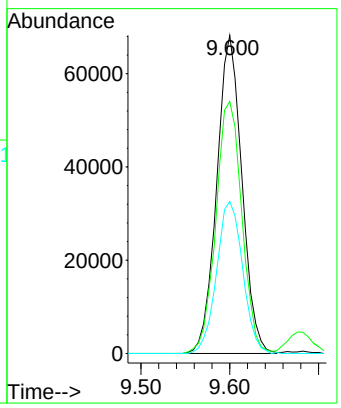




#39
Methylcyclohexane
Concen: 47.197 ug/l
RT: 9.600 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion: 83 Resp: 134210

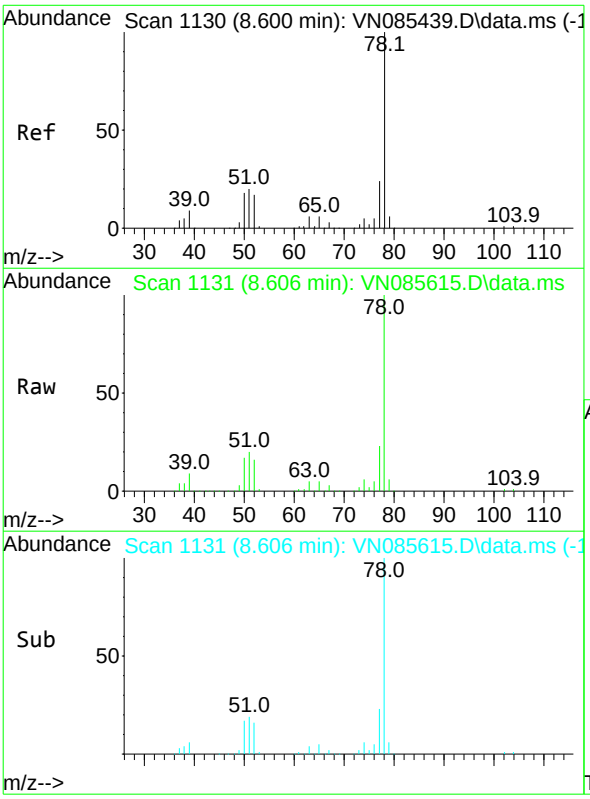
Ion	Ratio	Lower	Upper
83	100		
55	79.2	62.6	94.0
98	47.8	37.7	56.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

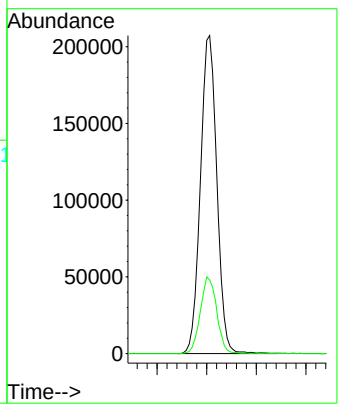
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

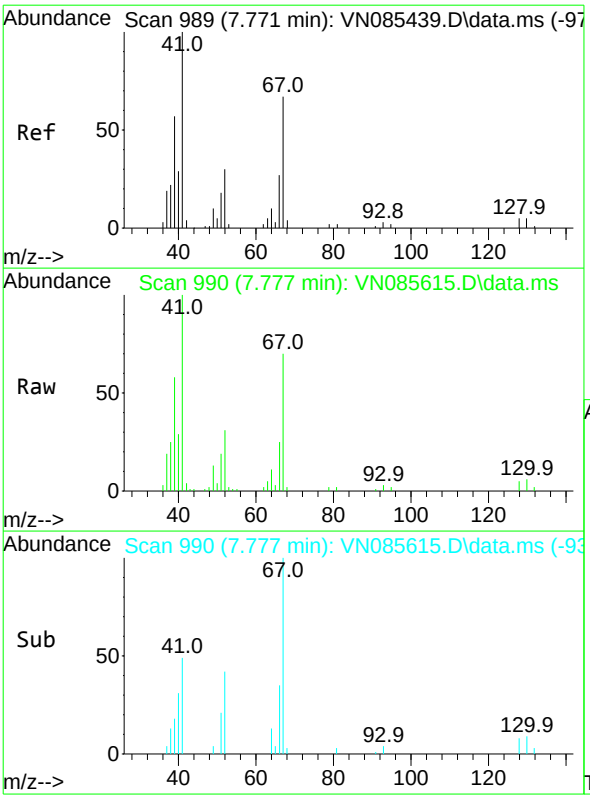


#40
Benzene
Concen: 52.335 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion: 78 Resp: 475849

Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.0	28.6

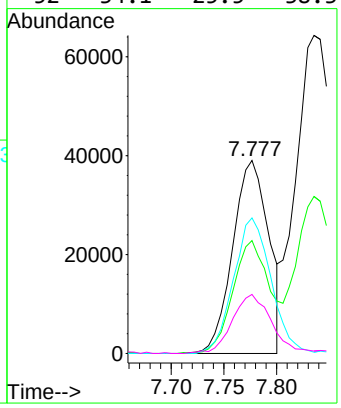




#41
Methacrylonitrile
Concen: 58.325 ug/l
RT: 7.777 min Scan# 99
Delta R.T. 0.006 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion: 41 Resp: 92683

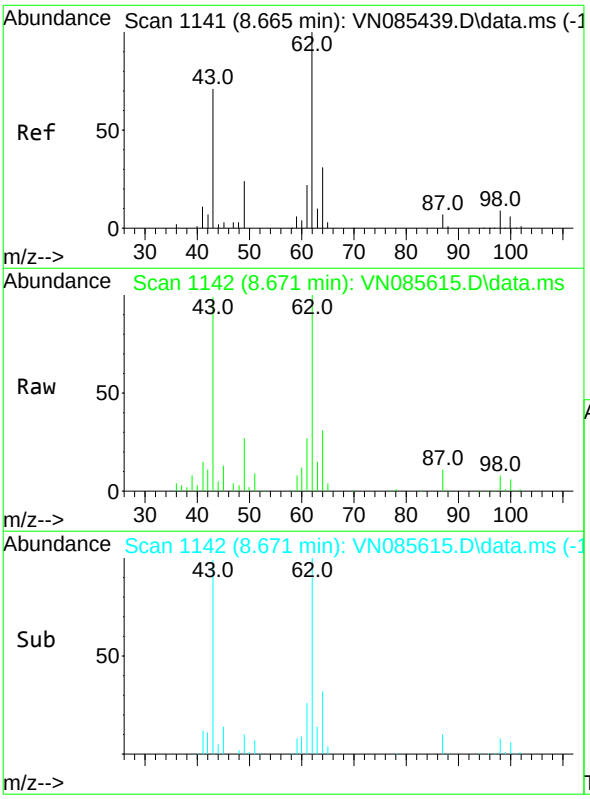
Ion	Ratio	Lower	Upper
41	100		
39	61.8	46.0	69.0
67	73.5	57.4	86.2
52	34.1	25.5	38.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

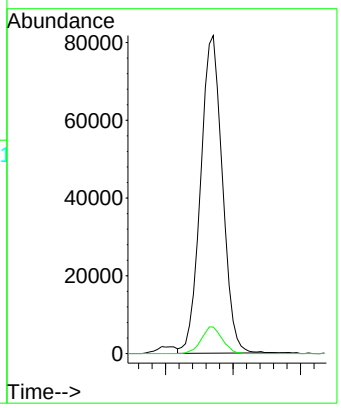
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

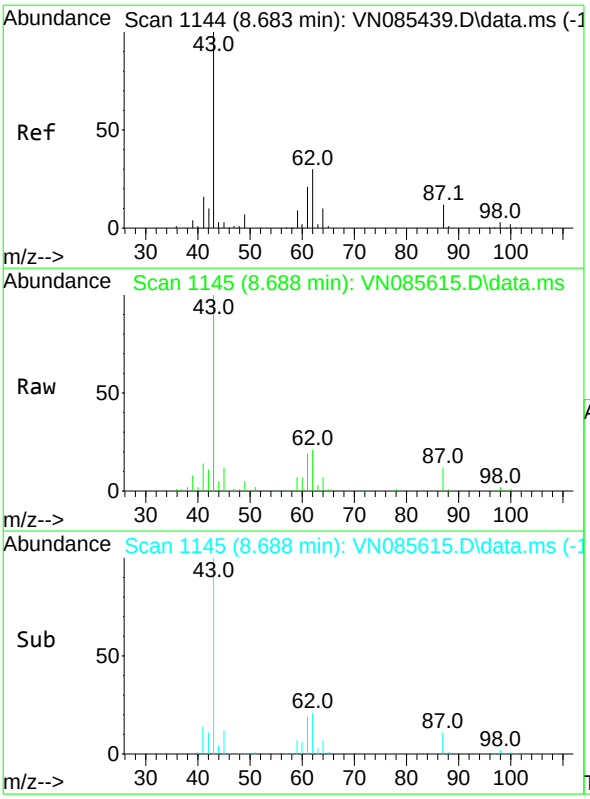


#42
1,2-Dichloroethane
Concen: 53.434 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion: 62 Resp: 182981

Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	17.0

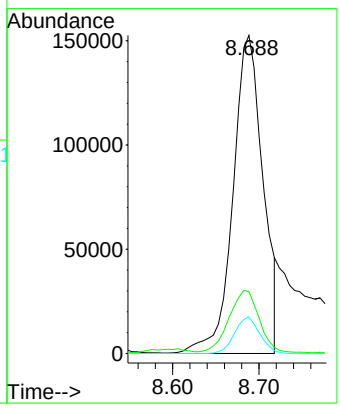




#43
Isopropyl Acetate
Concen: 75.346 ug/l m
RT: 8.688 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion: 43 Resp: 368756

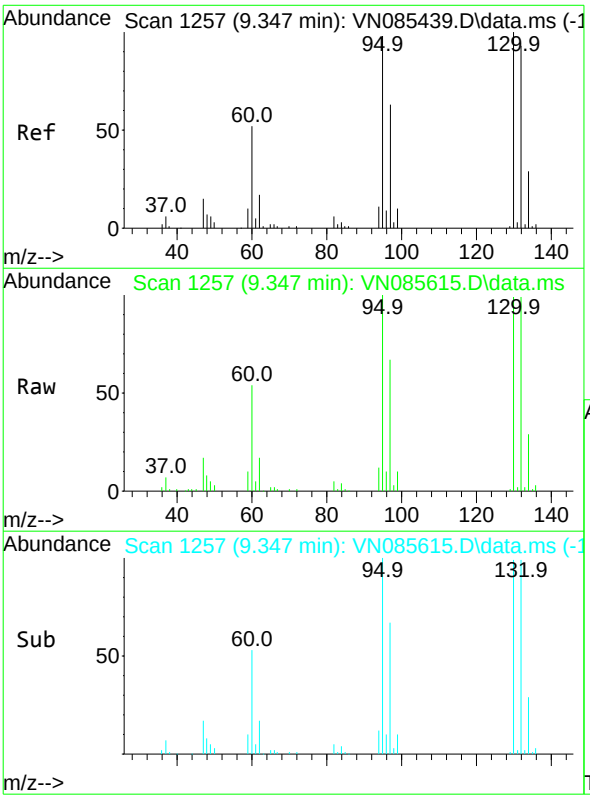
Ion	Ratio	Lower	Upper
43	100		
61	20.0	20.7	31.1#
87	9.6	9.8	14.8#



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

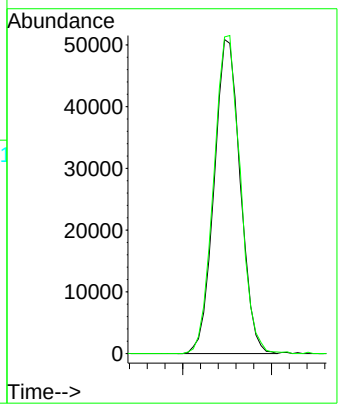
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

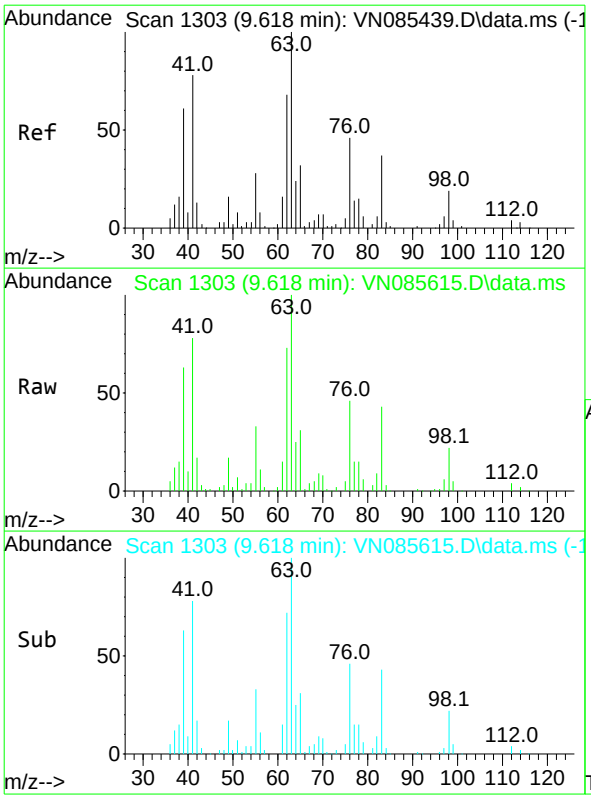


#44
Trichloroethene
Concen: 49.070 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion:130 Resp: 103855

Ion	Ratio	Lower	Upper
130	100		
95	100.8	0.0	195.8

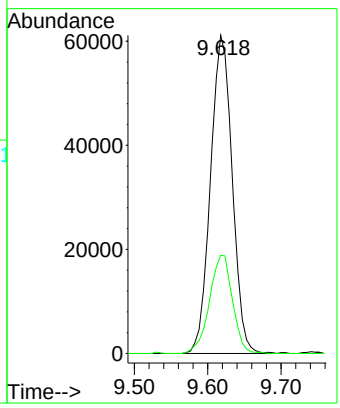




#45
1,2-Dichloropropane
Concen: 54.156 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion: 63 Resp: 125774

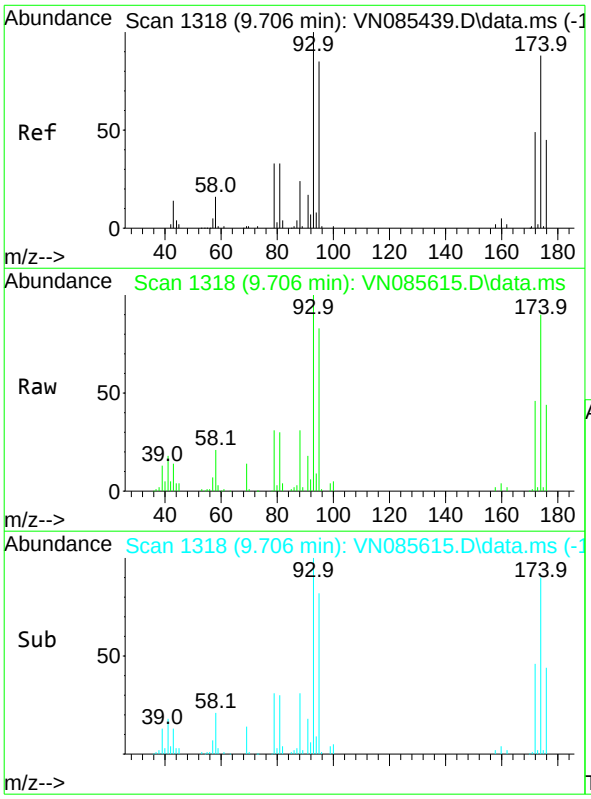
Ion	Ratio	Lower	Upper
63	100		
65	30.9	25.6	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

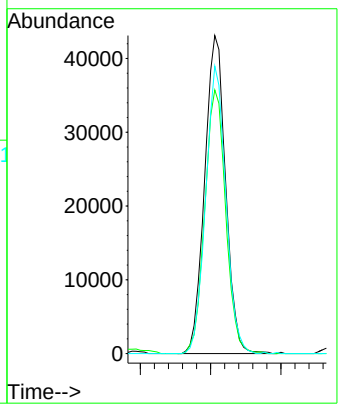
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

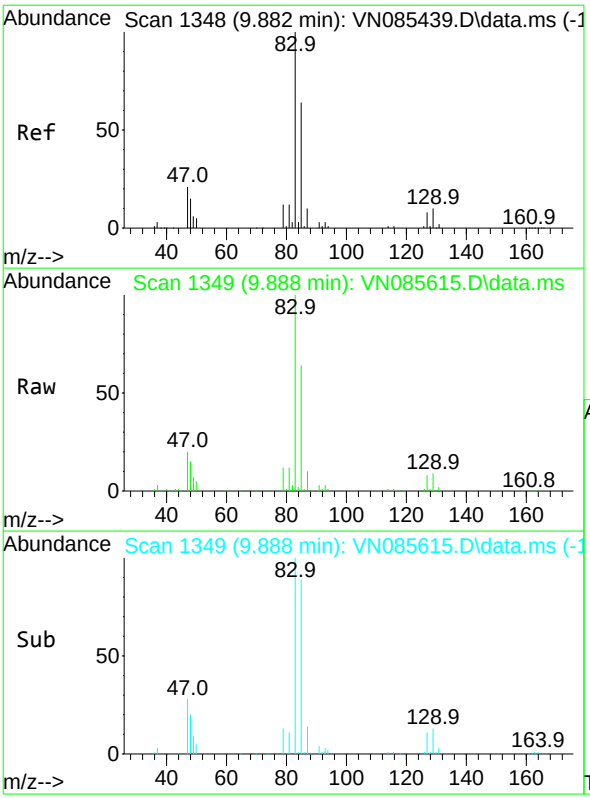


#46
Dibromomethane
Concen: 53.196 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion: 93 Resp: 89145

Ion	Ratio	Lower	Upper
93	100		
95	82.9	64.7	97.1
174	87.2	69.0	103.4

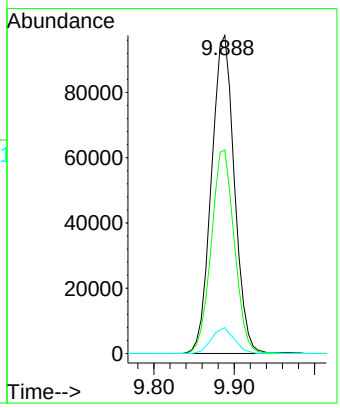




#47
Bromodichloromethane
Concen: 56.606 ug/l
RT: 9.888 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion: 83 Resp: 193257

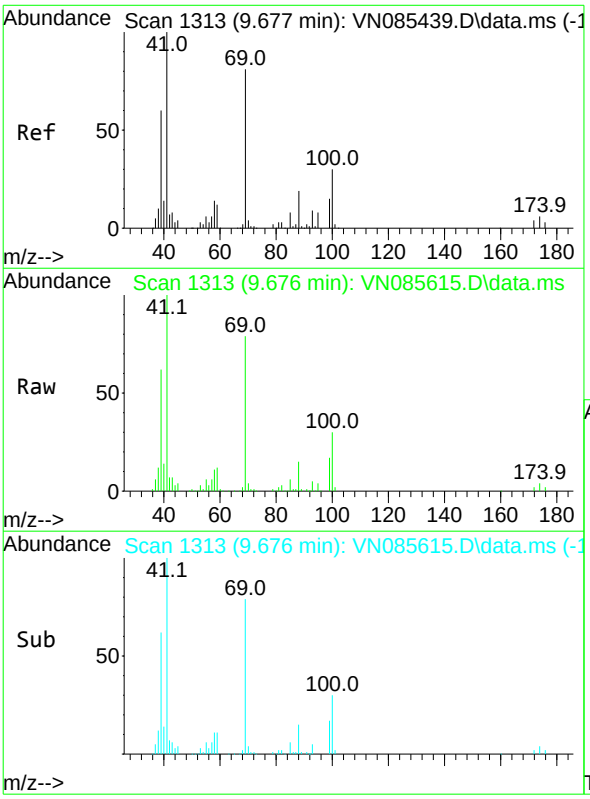
Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.2	76.8
127	8.1	6.5	9.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

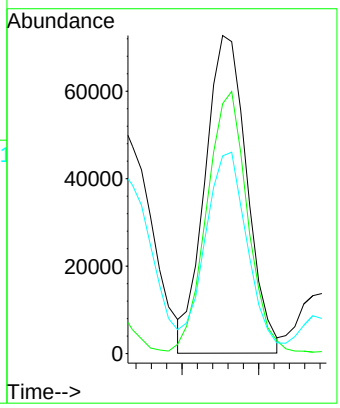
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

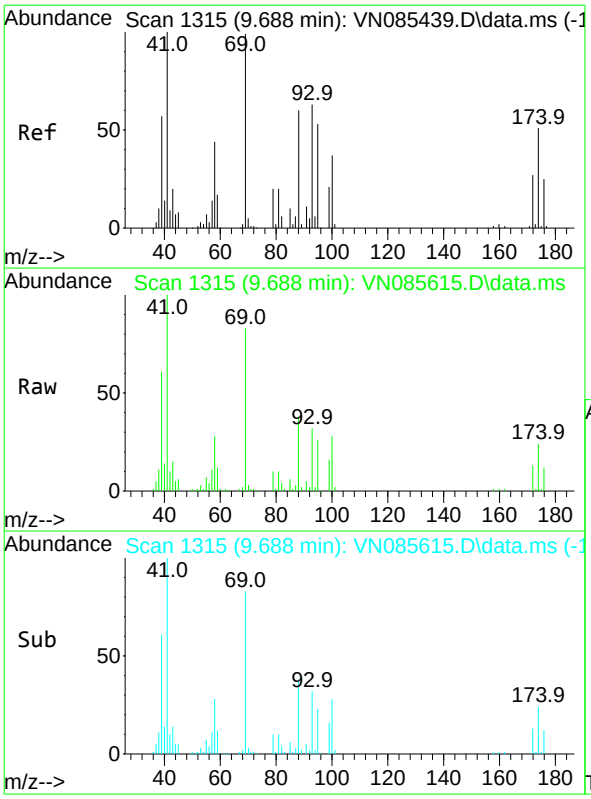


#48
Methyl methacrylate
Concen: 62.594 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.001 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion: 41 Resp: 137864

Ion	Ratio	Lower	Upper
41	100		
69	81.0	64.7	97.1
39	64.6	49.0	73.6





#49
1,4-Dioxane
Concen: 1223.010 ug/l
RT: 9.688 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

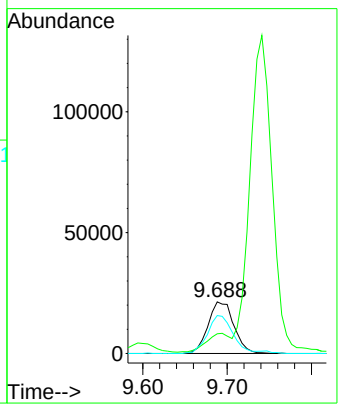
Tgt Ion: 88 Resp: 45361

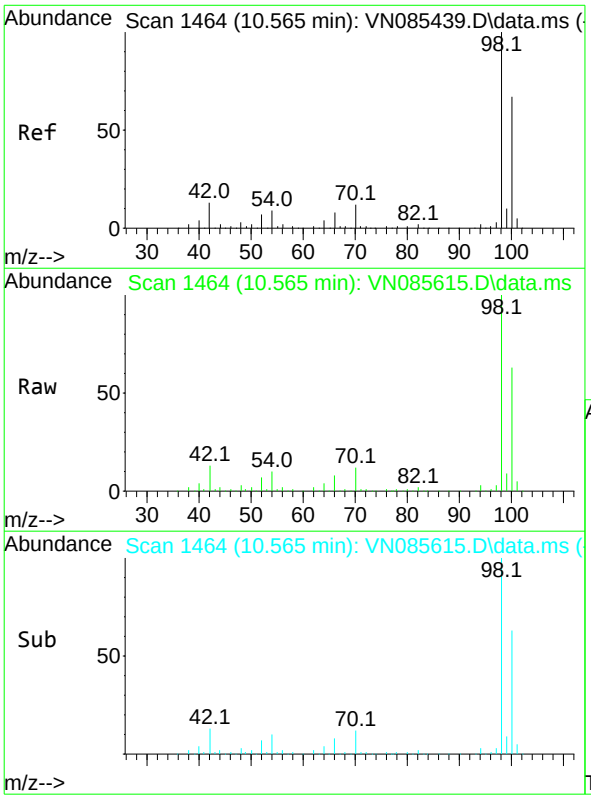
Ion	Ratio	Lower	Upper
88	100		
43	34.6	26.6	39.8
58	74.3	59.5	89.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

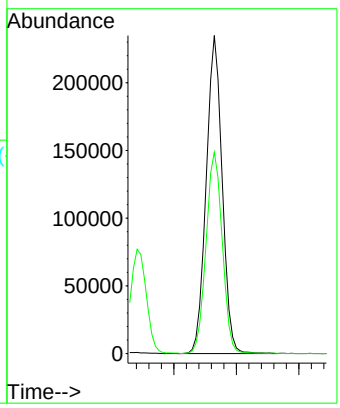


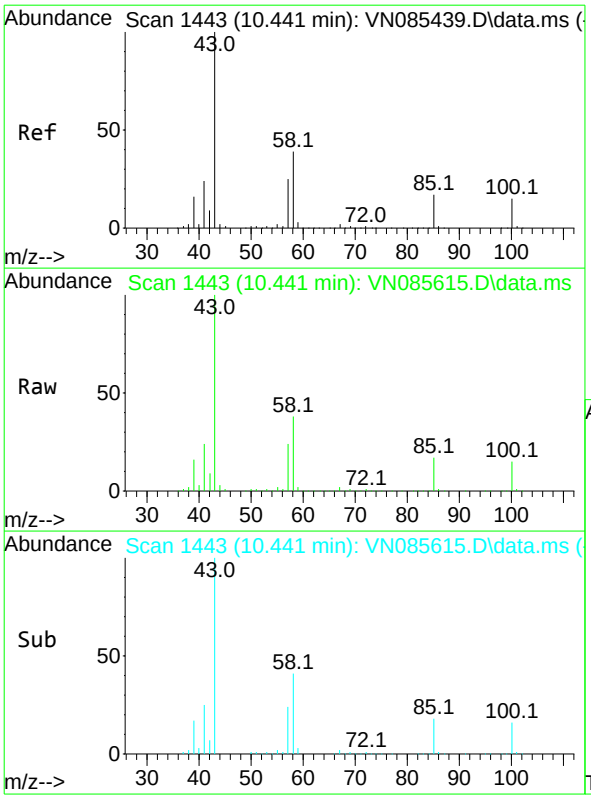


#50
Toluene-d8
Concen: 54.383 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion: 98 Resp: 416612

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.2	78.4





#51
4-Methyl-2-Pentanone
Concen: 330.417 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

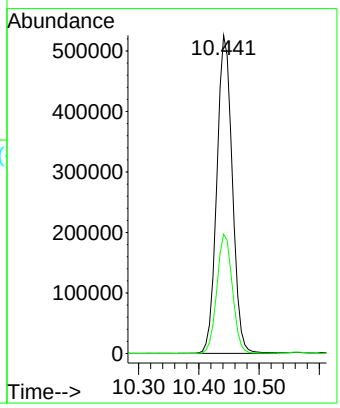
Tgt Ion: 43 Resp: 938393

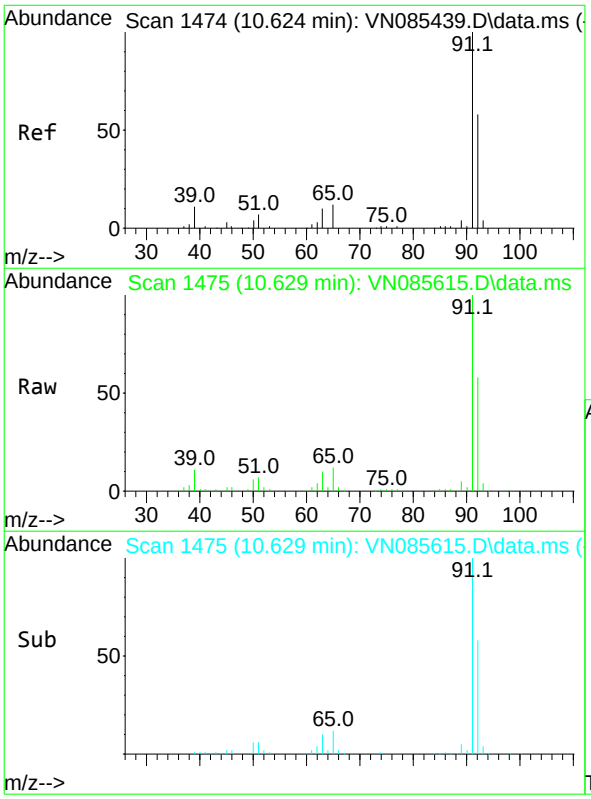
Ion	Ratio	Lower	Upper
43	100		
58	37.7	30.5	45.7

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

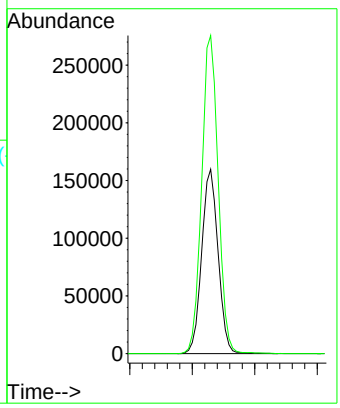


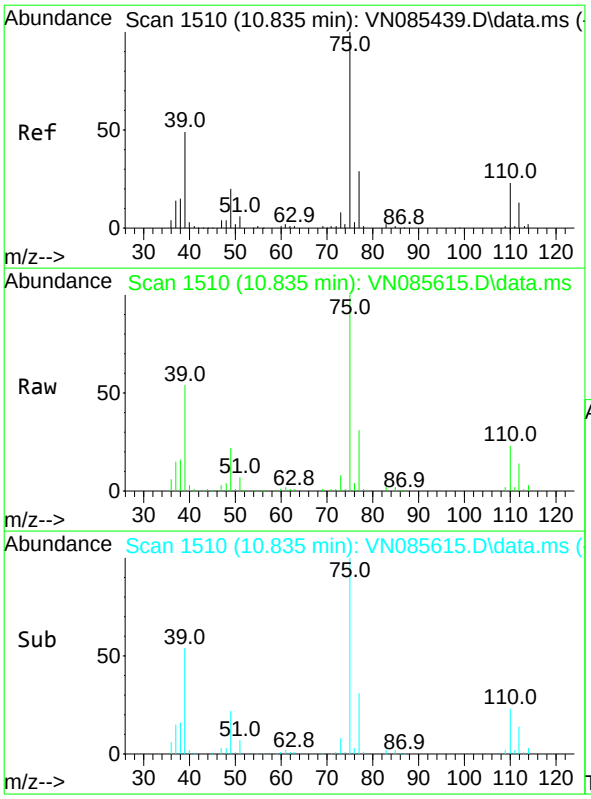


#52
Toluene
Concen: 55.132 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.005 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion: 92 Resp: 290451

Ion	Ratio	Lower	Upper
92	100		
91	173.6	139.2	208.8

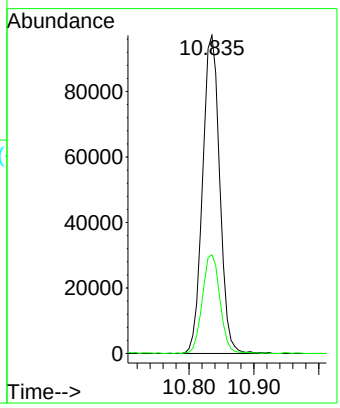




#53
t-1,3-Dichloropropene
Concen: 55.114 ug/l
RT: 10.835 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion: 75 Resp: 177819

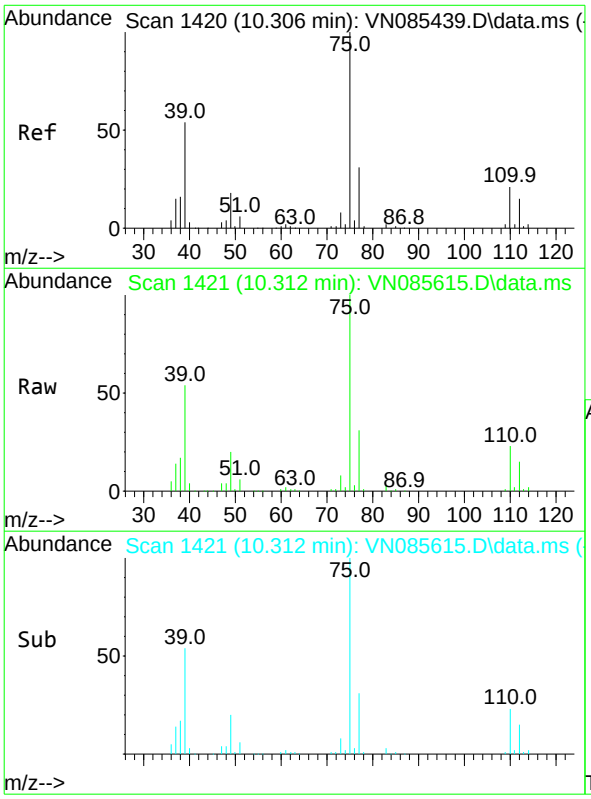
Ion	Ratio	Lower	Upper
75	100		
77	31.1	23.5	35.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

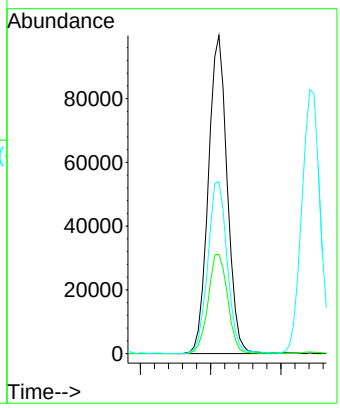
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

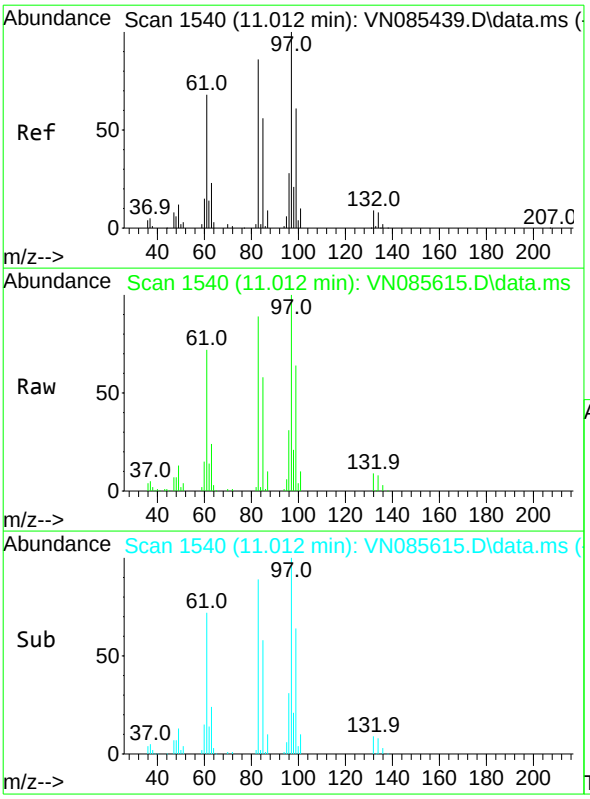


#54
cis-1,3-Dichloropropene
Concen: 54.029 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.006 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion: 75 Resp: 186200

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.0	37.4
39	54.1	43.1	64.7

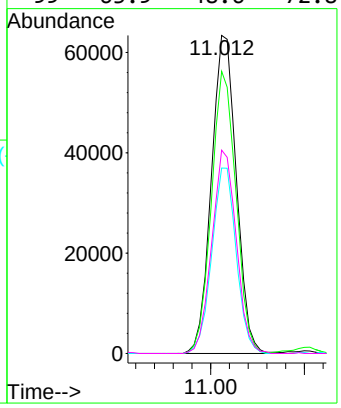




#55
1,1,2-Trichloroethane
Concen: 56.347 ug/l
RT: 11.012 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion: 97 Resp: 117478

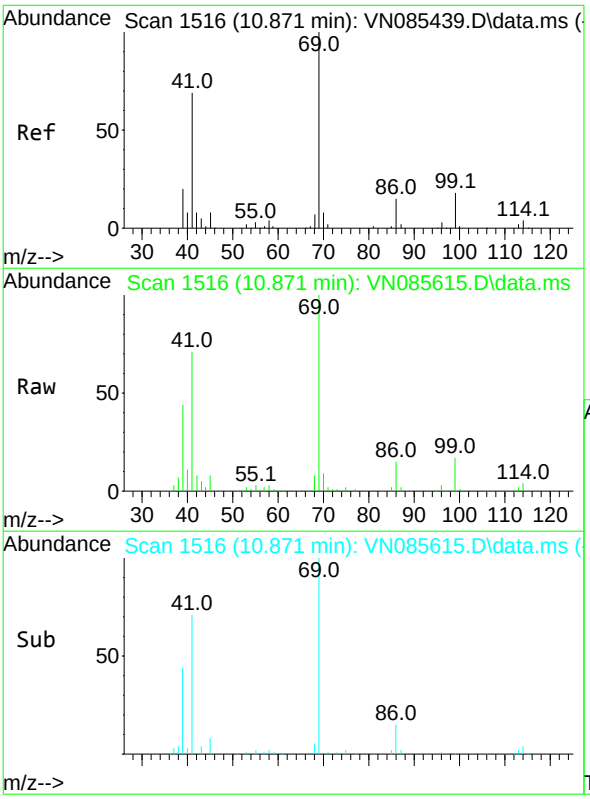
Ion	Ratio	Lower	Upper
97	100		
83	88.7	69.0	103.6
85	58.3	44.6	66.8
99	63.9	48.6	72.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

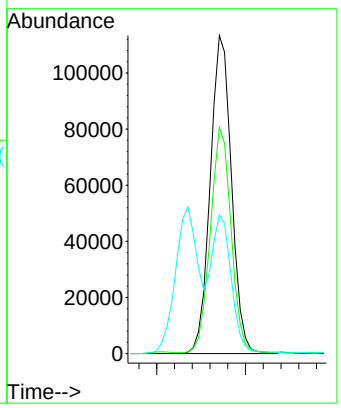
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

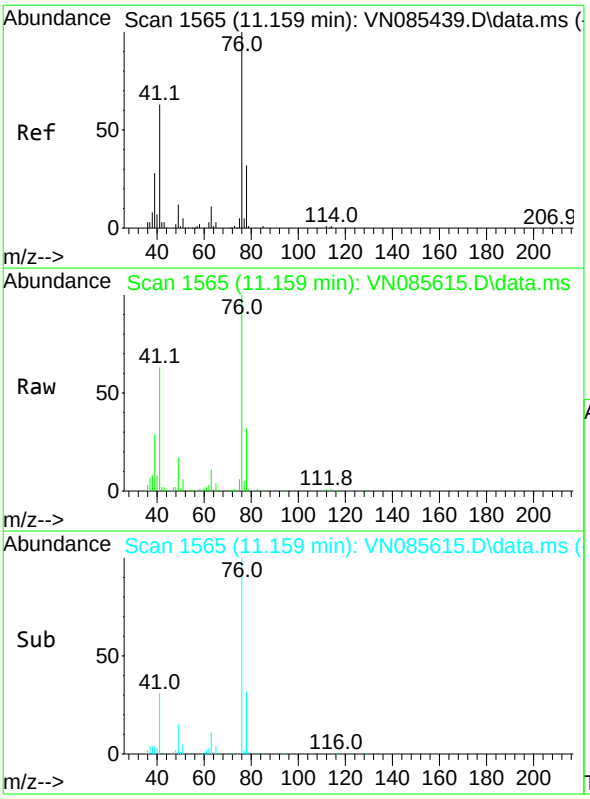


#56
Ethyl methacrylate
Concen: 53.497 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion: 69 Resp: 188384

Ion	Ratio	Lower	Upper
69	100		
41	69.0	54.6	82.0
39	41.8	32.4	48.6

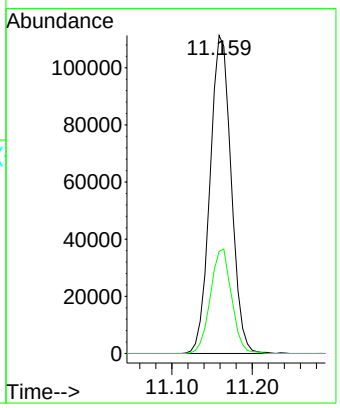




#57
1,3-Dichloropropane
Concen: 56.239 ug/l
RT: 11.159 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion: 76 Resp: 203880

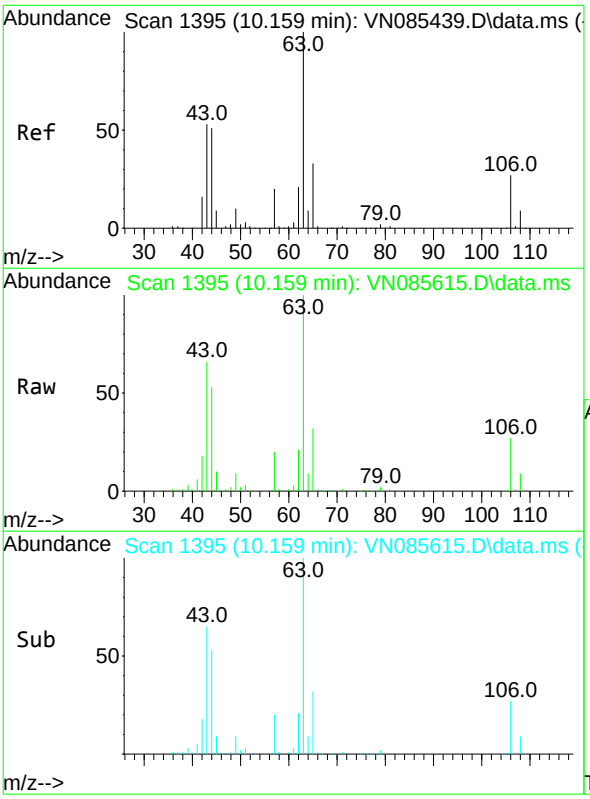
Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.6	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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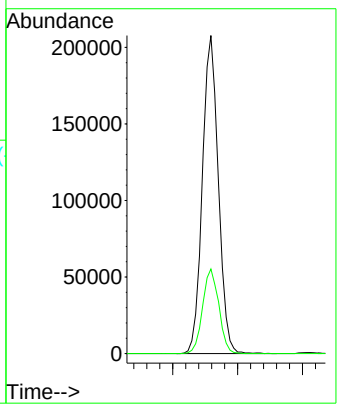
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

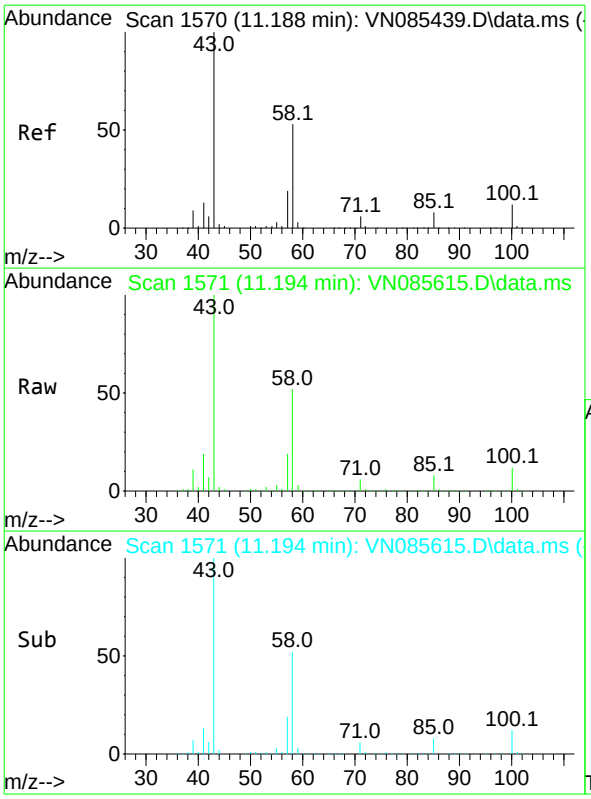


#58
2-Chloroethyl Vinyl ether
Concen: 268.153 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion: 63 Resp: 354786

Ion	Ratio	Lower	Upper
63	100		
106	26.9	21.6	32.4





#59
2-Hexanone
Concen: 345.422 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

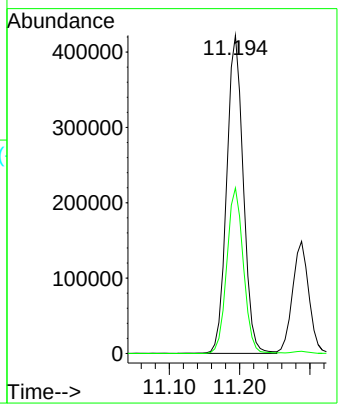
Tgt Ion: 43 Resp: 690267

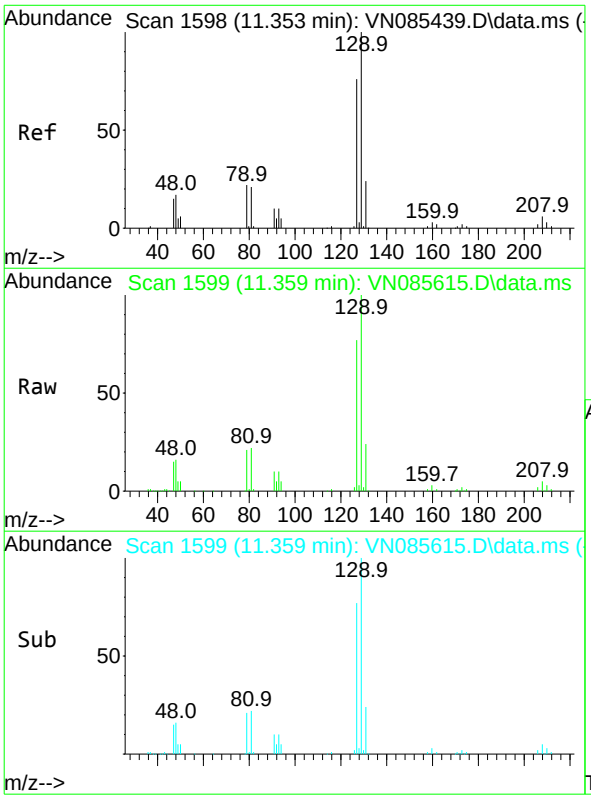
Ion	Ratio	Lower	Upper
43	100		
58	51.9	26.2	78.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

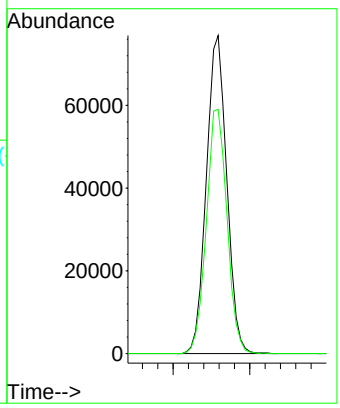


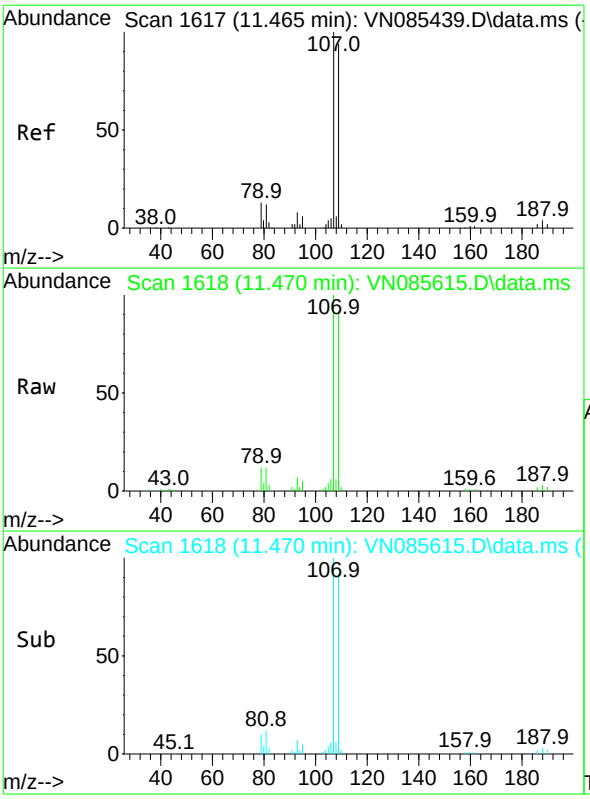


#60
Dibromochloromethane
Concen: 56.398 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion:129 Resp: 141958

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.6	115.8





#61
1,2-Dibromoethane
Concen: 55.665 ug/l
RT: 11.470 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

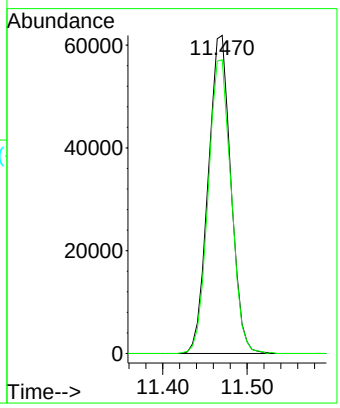
Tgt Ion:107 Resp: 115524

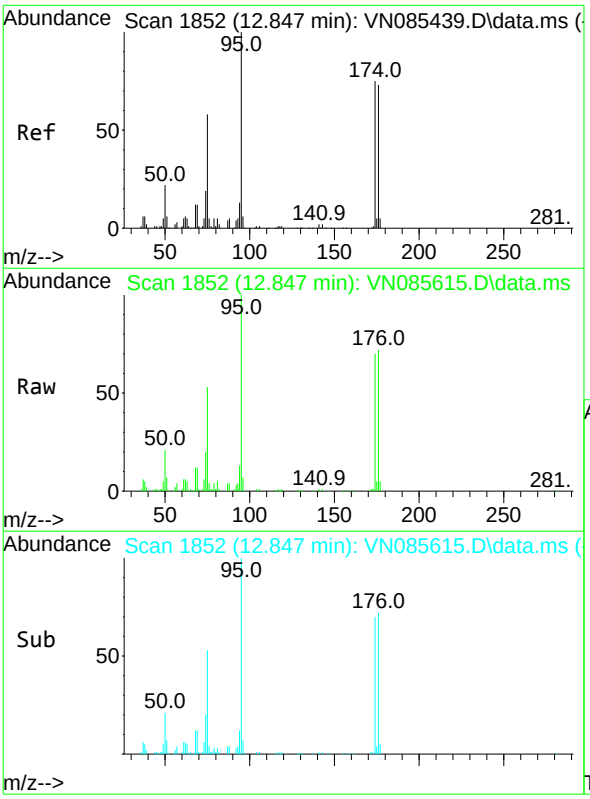
Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.9	113.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

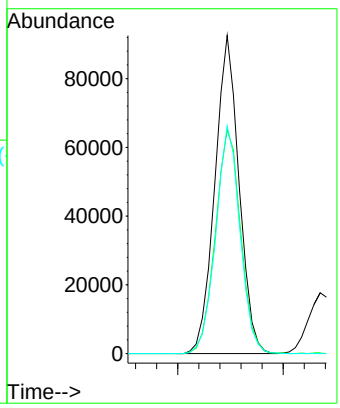


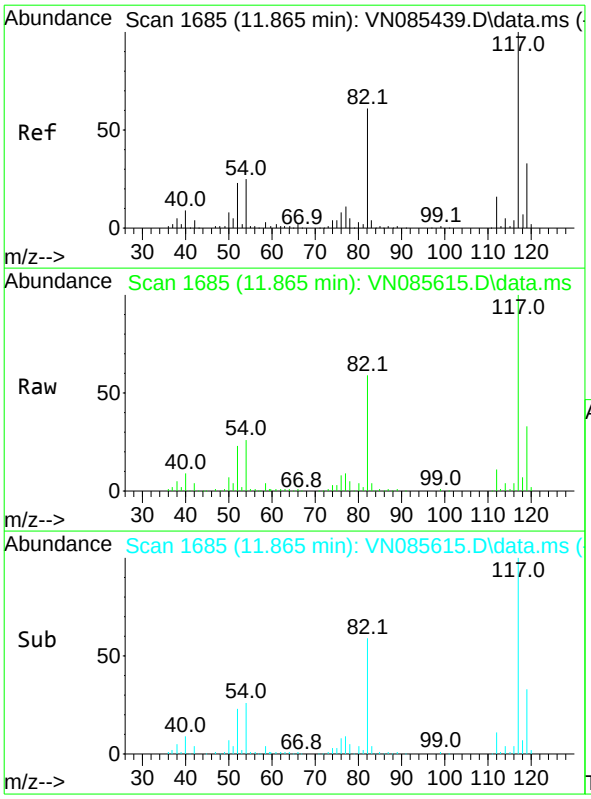


#62
4-Bromofluorobenzene
Concen: 56.247 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion: 95 Resp: 147397

Ion	Ratio	Lower	Upper
95	100		
174	73.4	0.0	145.0
176	71.5	0.0	142.4

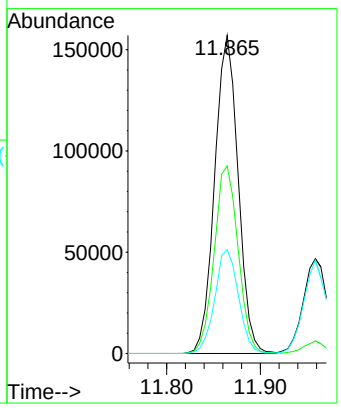




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion:117 Resp: 273587

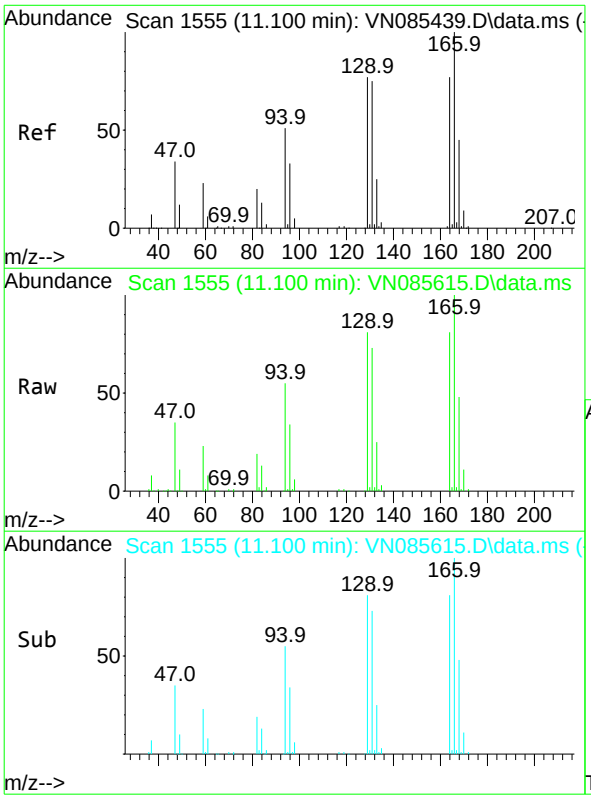
Ion	Ratio	Lower	Upper
117	100		
82	58.9	48.6	72.8
119	32.6	26.6	39.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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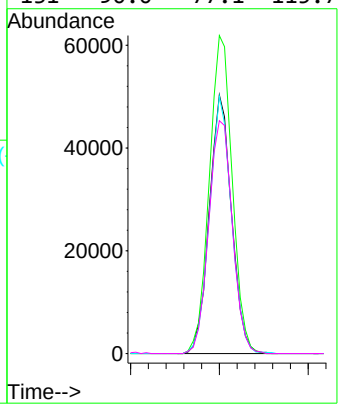
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

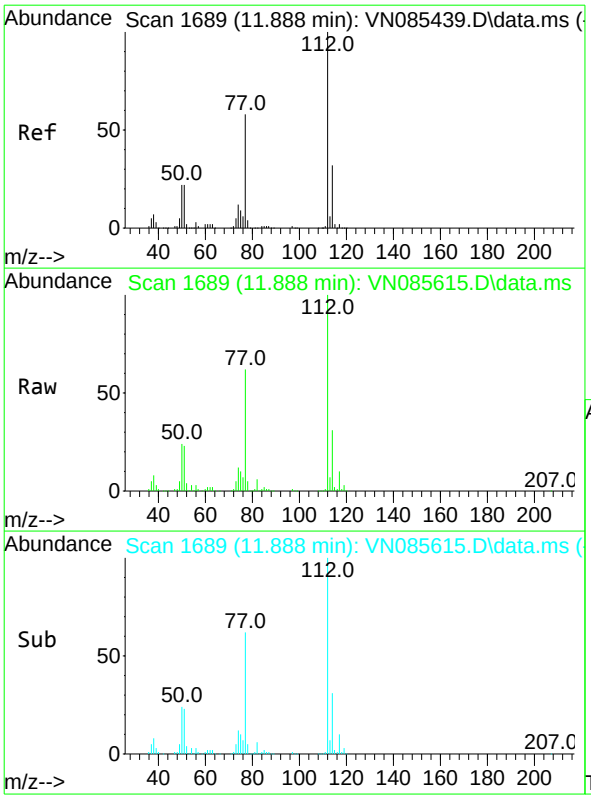


#64
Tetrachloroethene
Concen: 47.100 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion:164 Resp: 87849

Ion	Ratio	Lower	Upper
164	100		
166	122.9	103.4	155.2
129	99.5	79.2	118.8
131	90.0	77.1	115.7





#65
Chlorobenzene
Concen: 53.050 ug/l
RT: 11.888 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

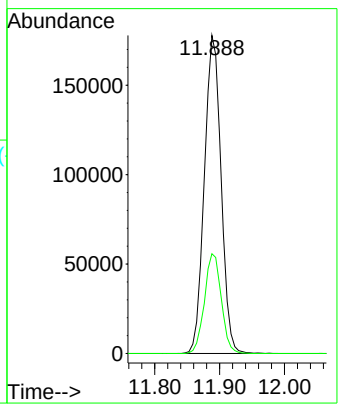
Tgt Ion:112 Resp: 317949

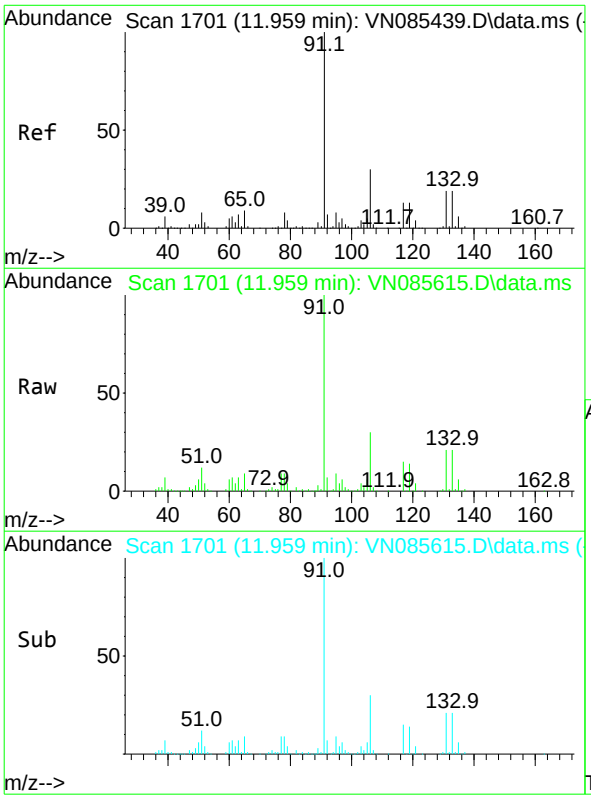
Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.3	37.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

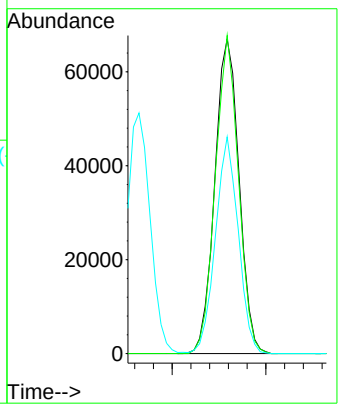


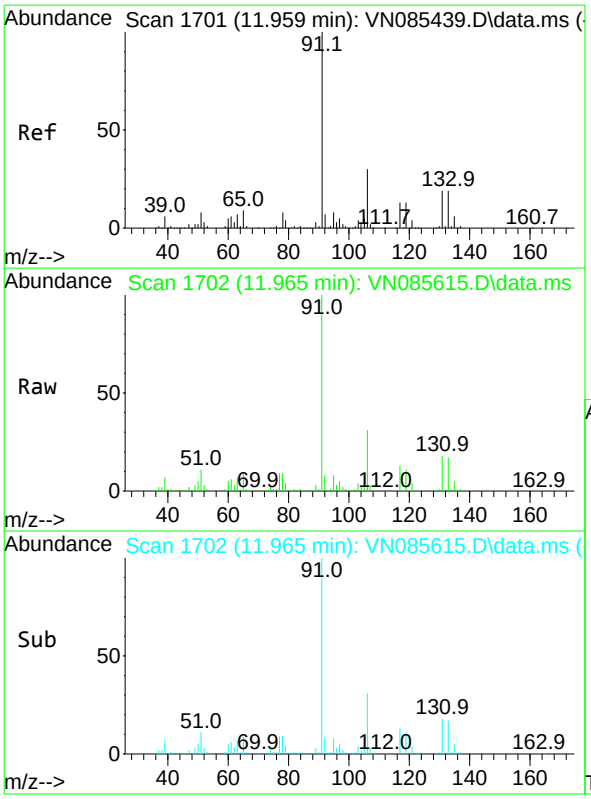


#66
1,1,1,2-Tetrachloroethane
Concen: 54.843 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion:131 Resp: 120637

Ion	Ratio	Lower	Upper
131	100		
133	96.1	47.4	142.3
119	64.8	33.1	99.5

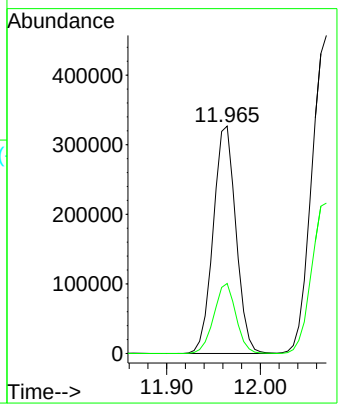




#67
Ethyl Benzene
Concen: 56.421 ug/l
RT: 11.965 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion: 91 Resp: 550760

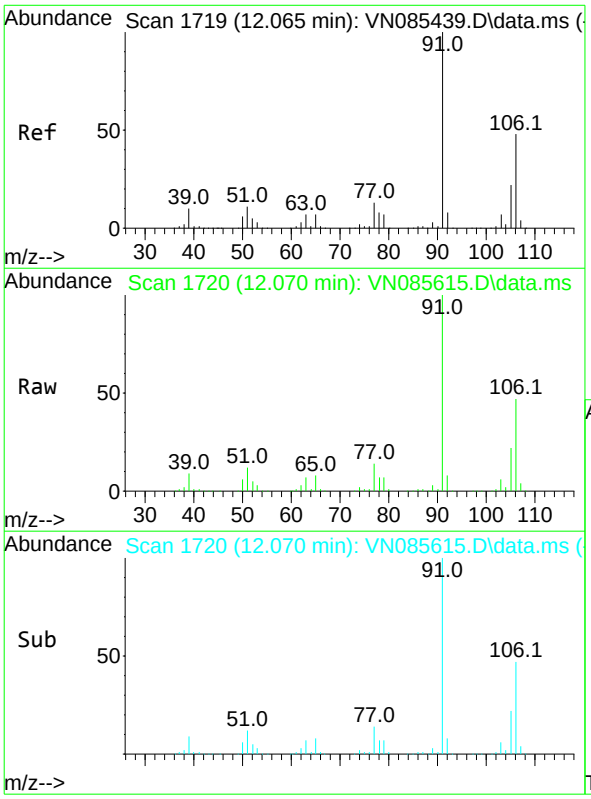
Ion	Ratio	Lower	Upper
91	100		
106	30.8	23.8	35.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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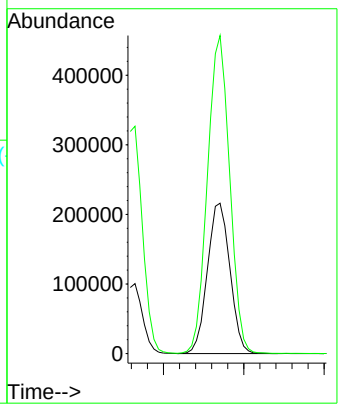
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

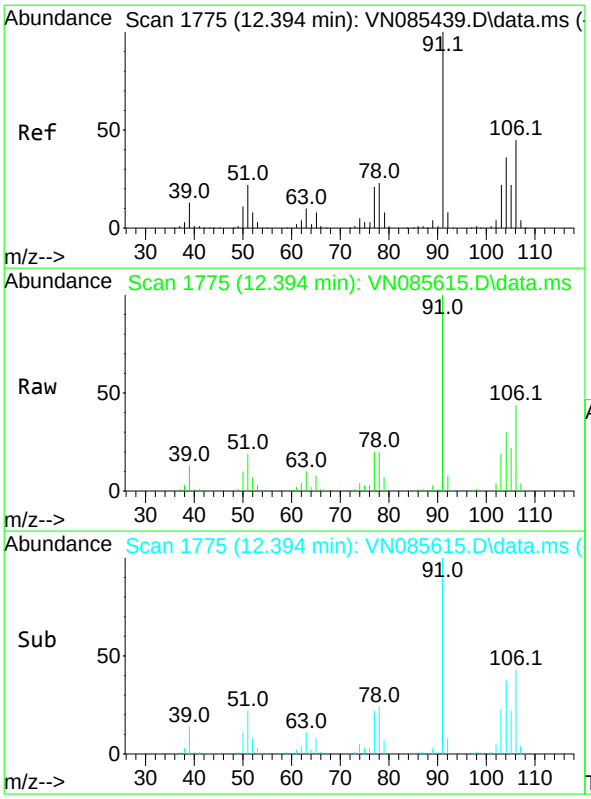


#68
m/p-Xylenes
Concen: 116.667 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. 0.006 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion:106 Resp: 420906

Ion	Ratio	Lower	Upper
106	100		
91	208.1	167.7	251.5





#69
o-Xylene
Concen: 57.262 ug/l
RT: 12.394 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

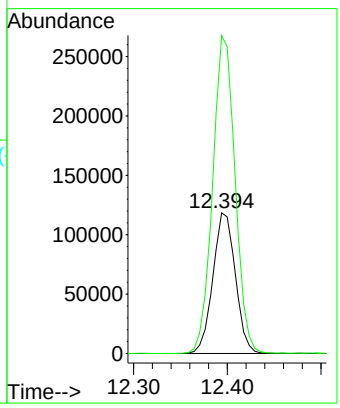
Tgt Ion:106 Resp: 197427

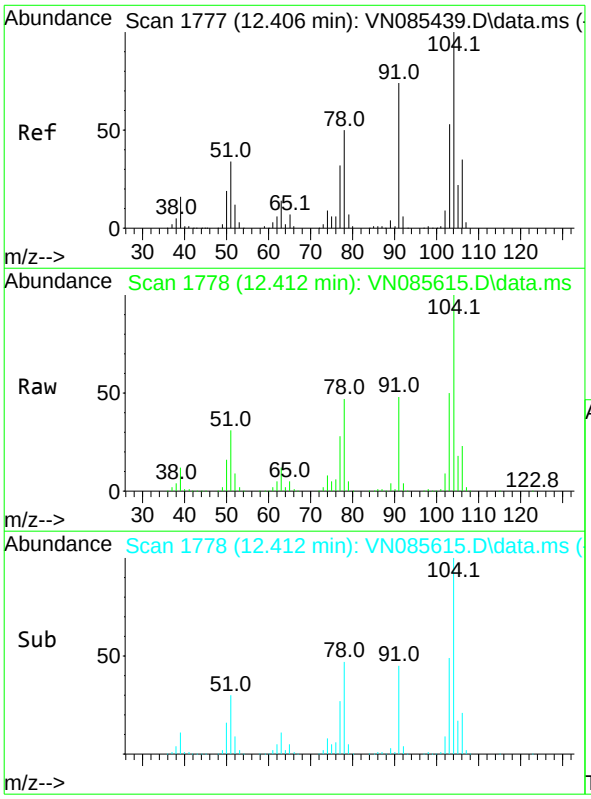
Ion	Ratio	Lower	Upper
106	100		
91	225.8	110.4	331.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

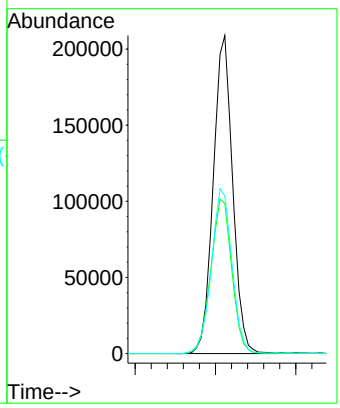


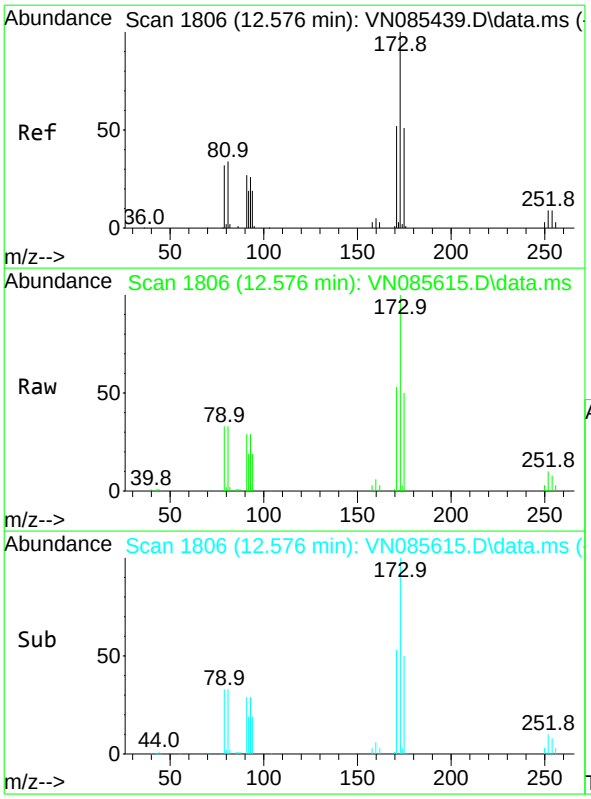


#70
Styrene
Concen: 61.312 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion:104 Resp: 349850

Ion	Ratio	Lower	Upper
104	100		
78	52.7	42.5	63.7
103	54.9	43.8	65.8





#71
Bromoform
Concen: 60.667 ug/l
RT: 12.576 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

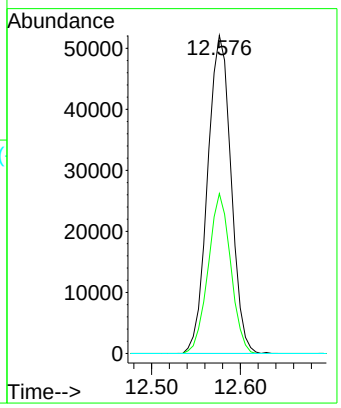
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

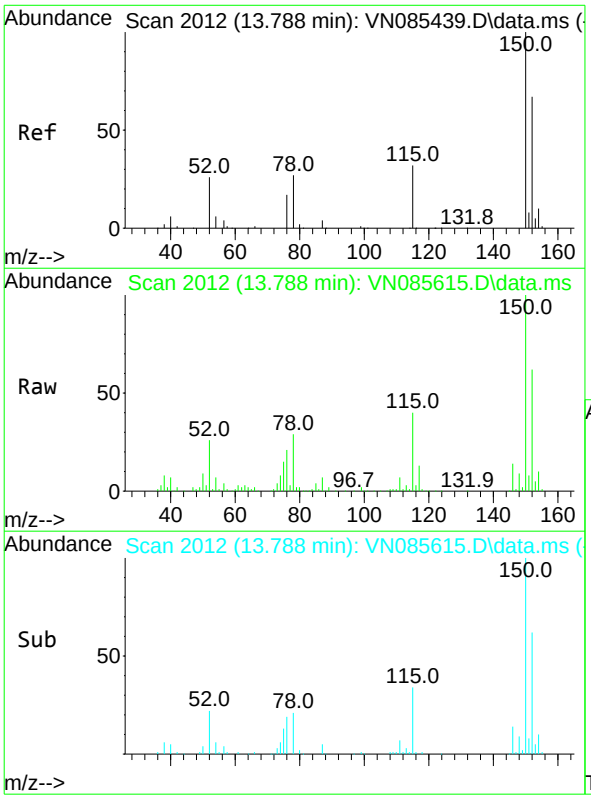
Tgt Ion:173 Resp: 95484

Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.4	73.2
254	0.0	0.0	0.0

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

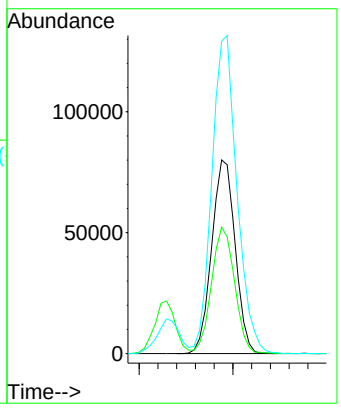


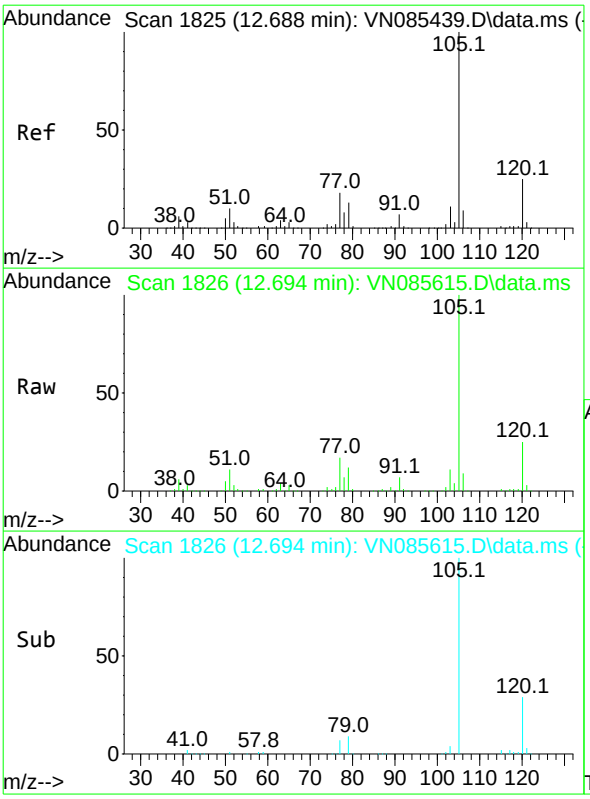


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion:152 Resp: 138990

Ion	Ratio	Lower	Upper
152	100		
115	64.1	31.1	93.3
150	176.0	0.0	343.6

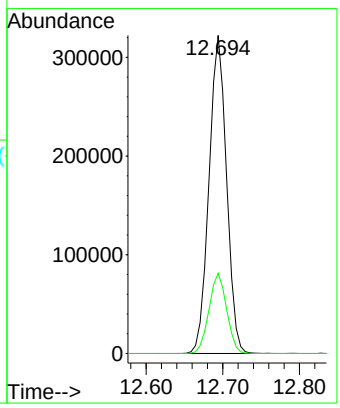




#73
Isopropylbenzene
Concen: 54.493 ug/l
RT: 12.694 min Scan# 18
Delta R.T. 0.006 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion:105 Resp: 511179

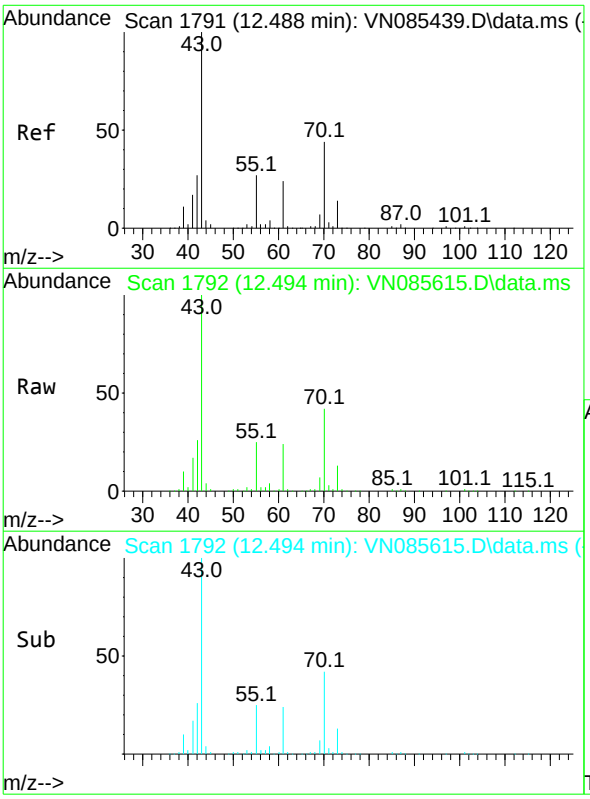
Ion	Ratio	Lower	Upper
105	100		
120	25.3	12.8	38.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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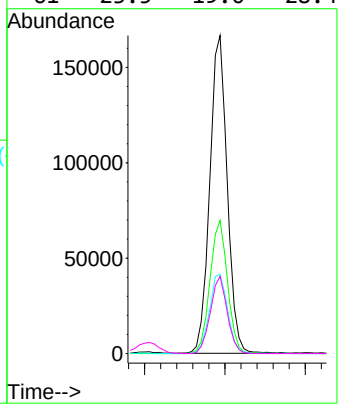
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

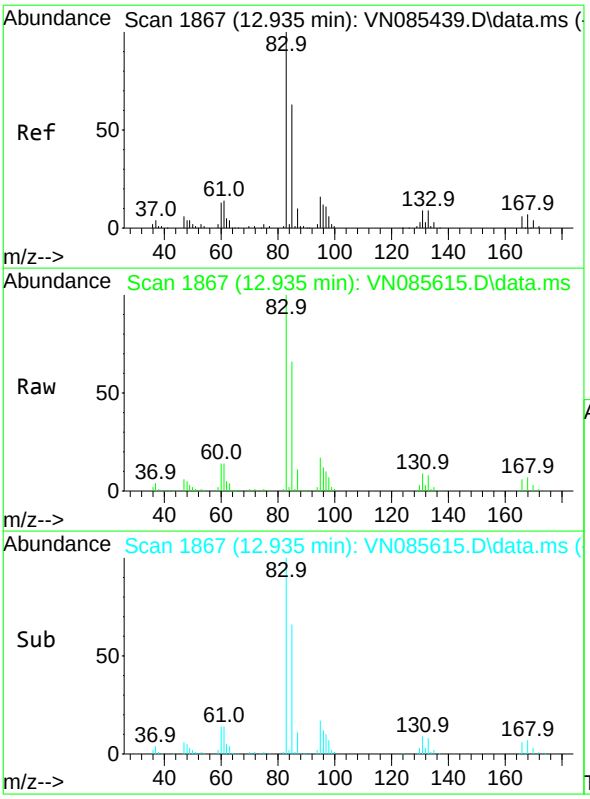


#74
N-amyl acetate
Concen: 59.490 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion: 43 Resp: 250834

Ion	Ratio	Lower	Upper
43	100		
70	42.0	34.0	51.0
55	26.0	21.4	32.2
61	23.5	19.0	28.4

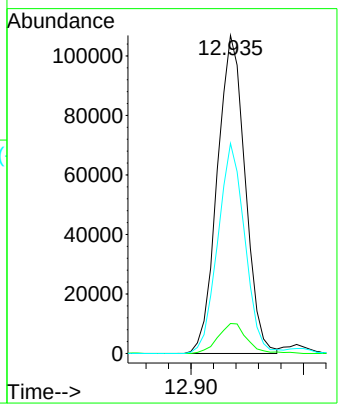




#75
1,1,2,2-Tetrachloroethane
Concen: 55.475 ug/l
RT: 12.935 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion: 83 Resp: 183825

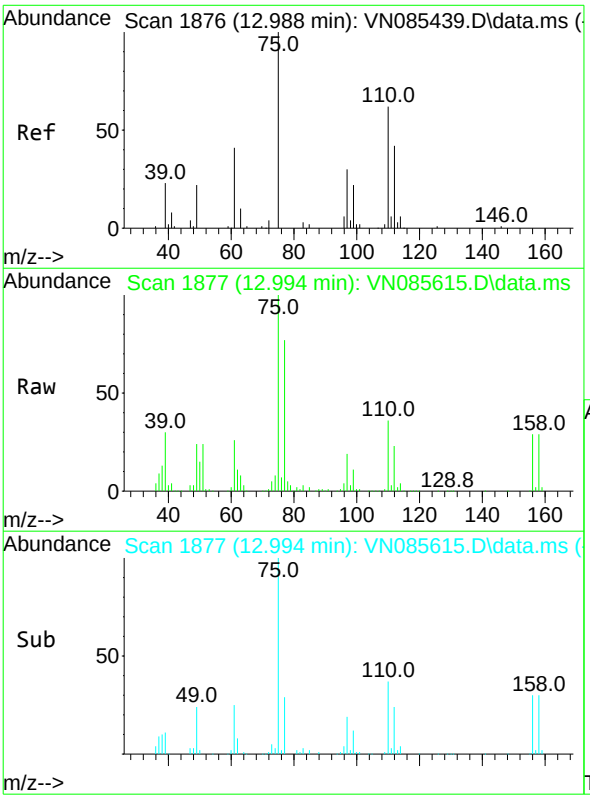
Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.8	14.4
85	64.1	32.2	96.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

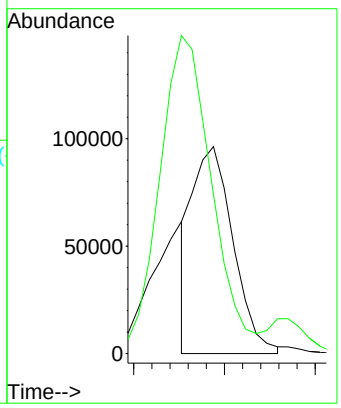
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

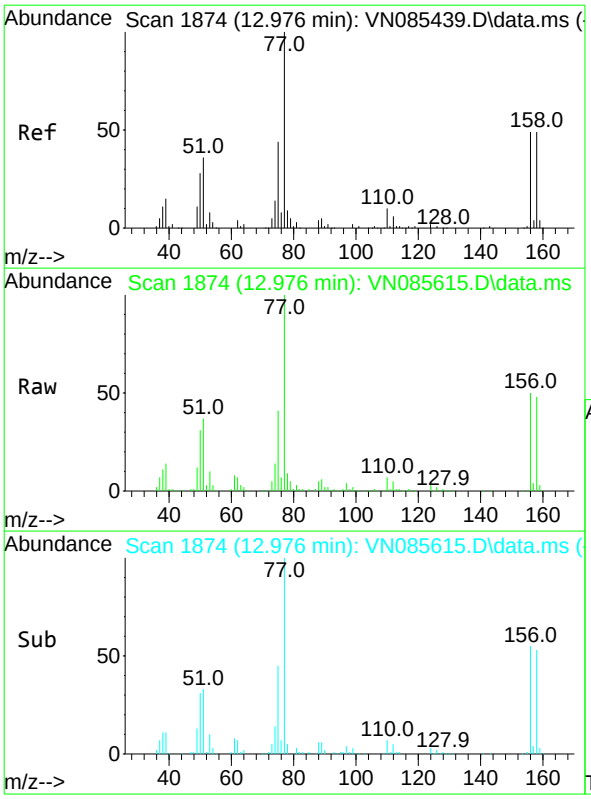


#76
1,2,3-Trichloropropane
Concen: 53.424 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion: 75 Resp: 150923

Ion	Ratio	Lower	Upper
75	100		
77	196.0	109.7	329.2





#77
Bromobenzene
Concen: 51.456 ug/l
RT: 12.976 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

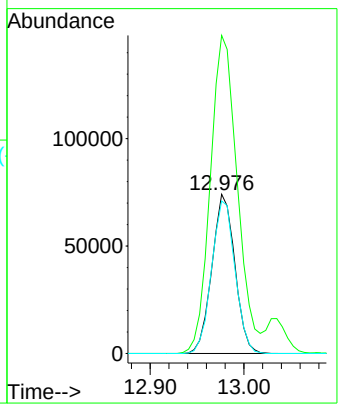
Tgt Ion:156 Resp: 126109

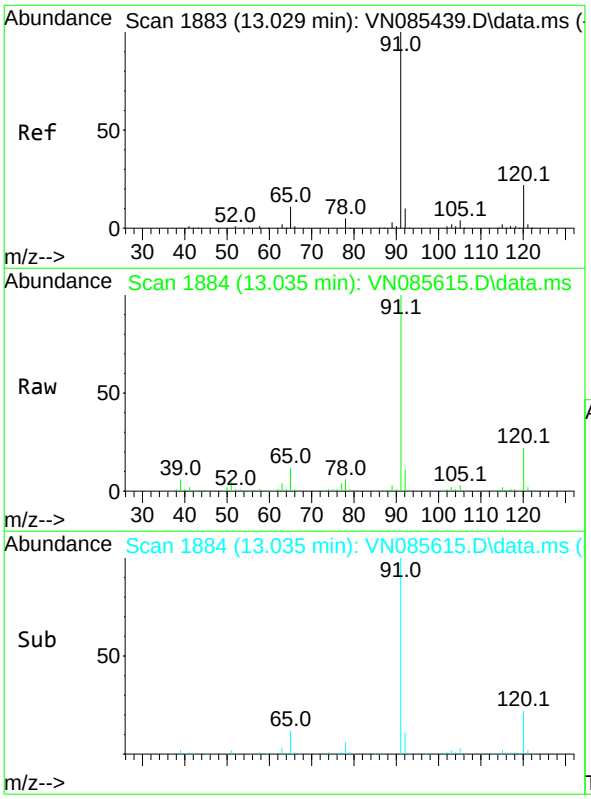
Ion	Ratio	Lower	Upper
156	100		
77	234.5	114.1	342.4
158	97.6	48.9	146.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

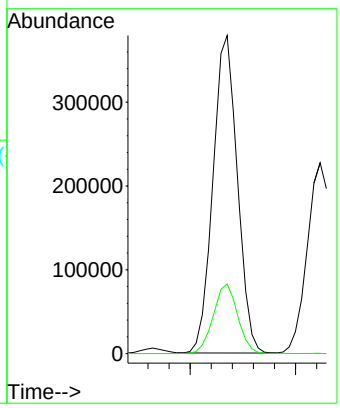


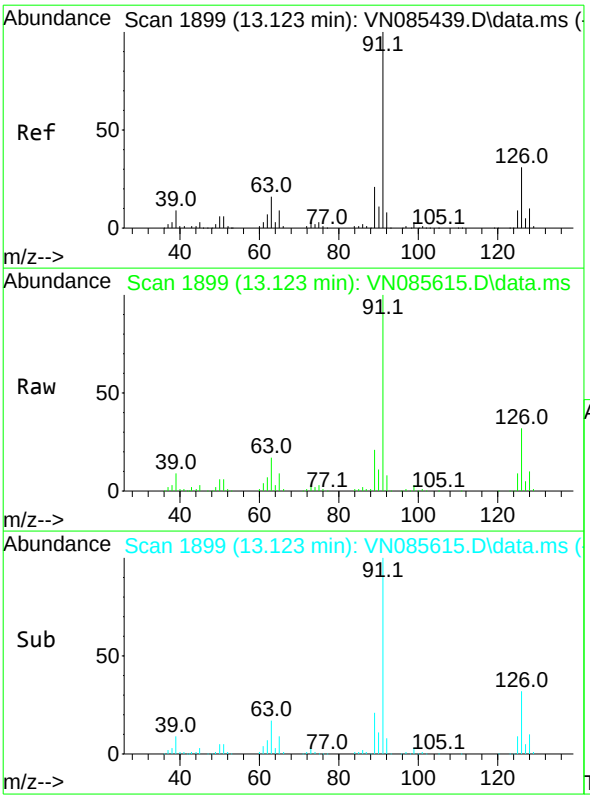


#78
n-propylbenzene
Concen: 54.824 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.006 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion: 91 Resp: 608832

Ion	Ratio	Lower	Upper
91	100		
120	21.9	10.9	32.6





#79
2-Chlorotoluene
Concen: 53.178 ug/l
RT: 13.123 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

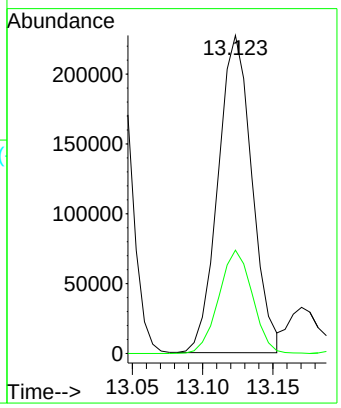
Tgt Ion: 91 Resp: 382202

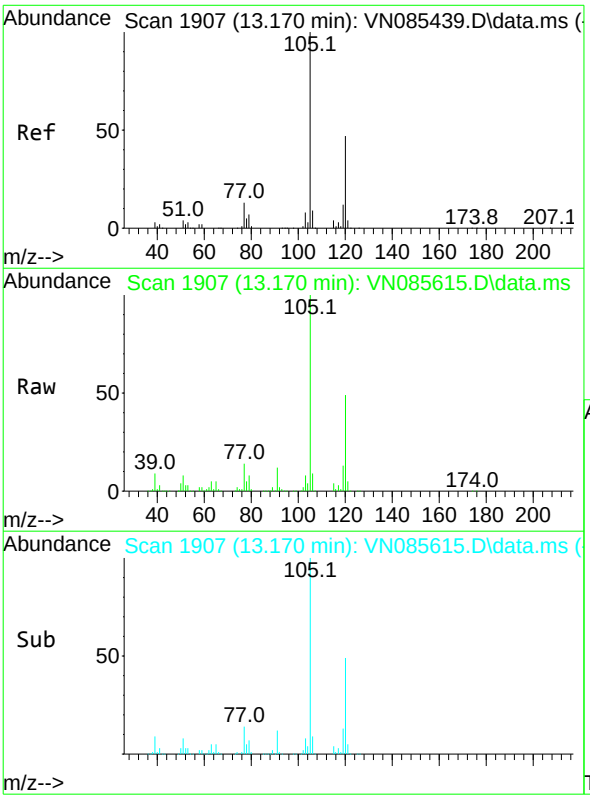
Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.7	47.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

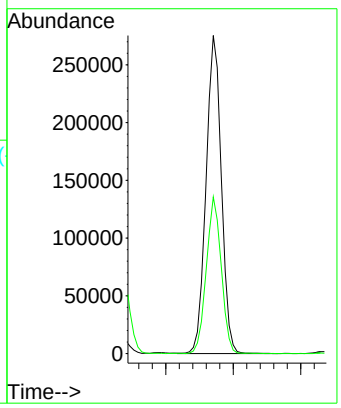


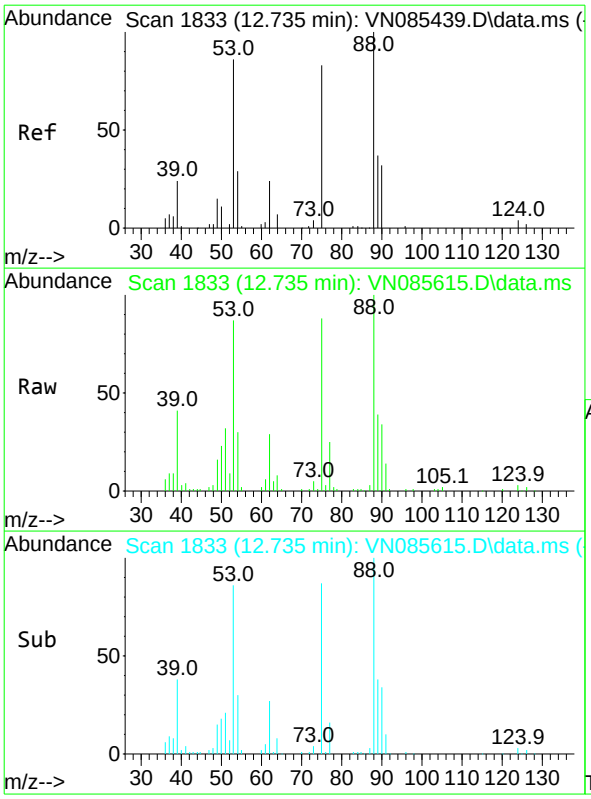


#80
1,3,5-Trimethylbenzene
Concen: 55.967 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion:105 Resp: 433661

Ion	Ratio	Lower	Upper
105	100		
120	48.1	23.9	71.7





#81
trans-1,4-Dichloro-2-butene
Concen: 56.899 ug/l
RT: 12.735 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

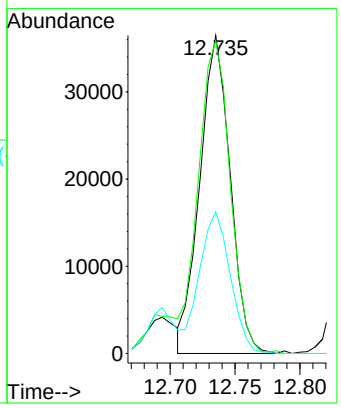
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

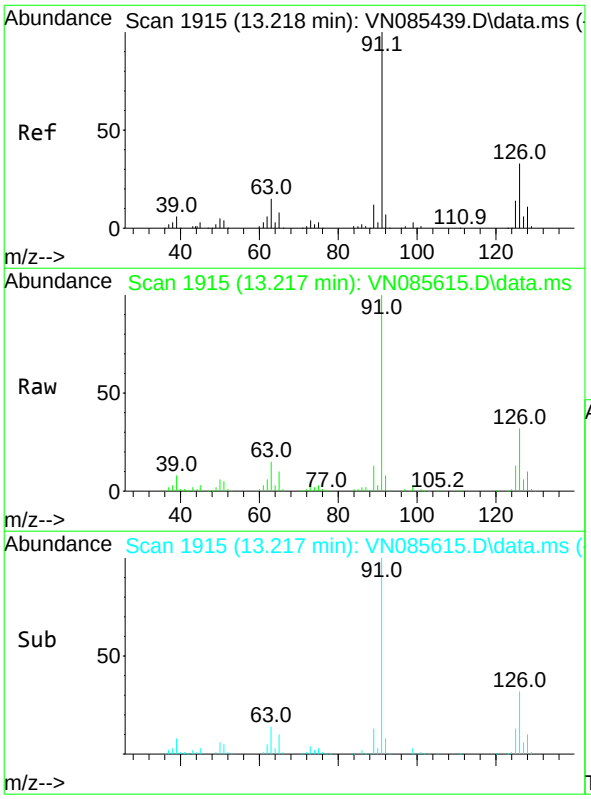
Tgt Ion: 75 Resp: 59411

Ion	Ratio	Lower	Upper
75	100		
53	115.6	95.6	143.4
89	46.1	37.0	55.6

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Supervised By :Semsettin Yesilyurt 02/03/2025

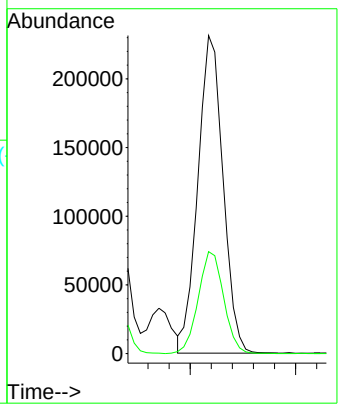


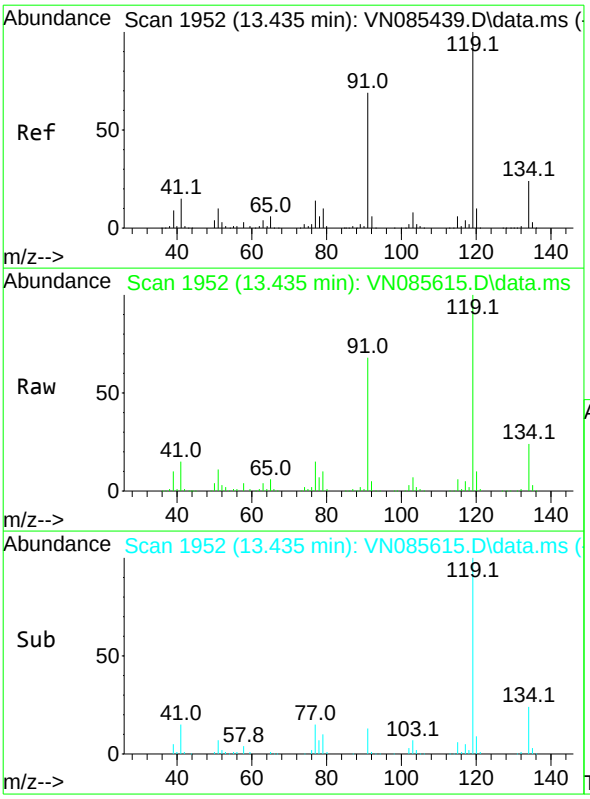


#82
4-Chlorotoluene
Concen: 53.528 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion: 91 Resp: 383054

Ion	Ratio	Lower	Upper
91	100		
126	32.5	15.9	47.7

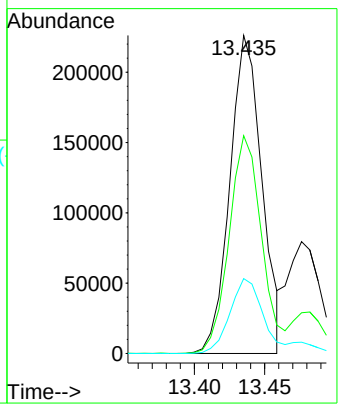




#83
tert-Butylbenzene
Concen: 55.058 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion:119 Resp: 358257

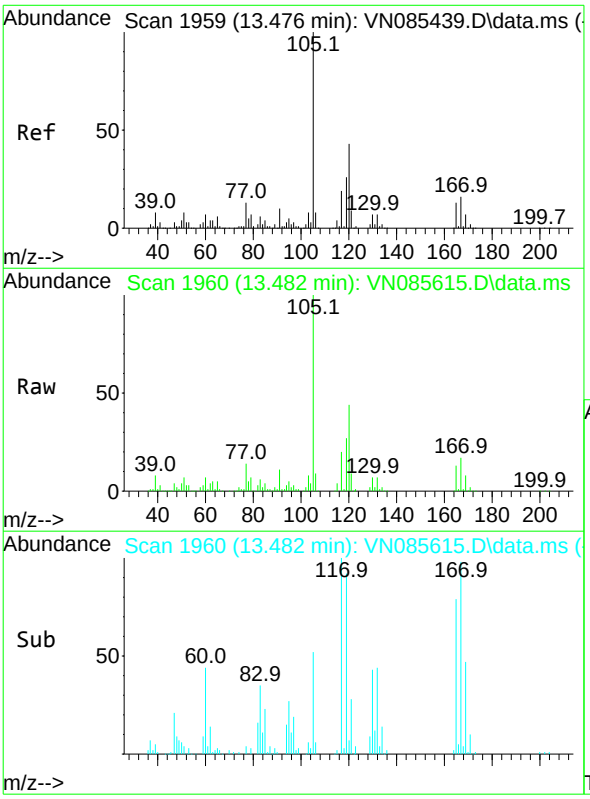
Ion	Ratio	Lower	Upper
119	100		
91	69.9	35.1	105.3
134	24.1	12.0	36.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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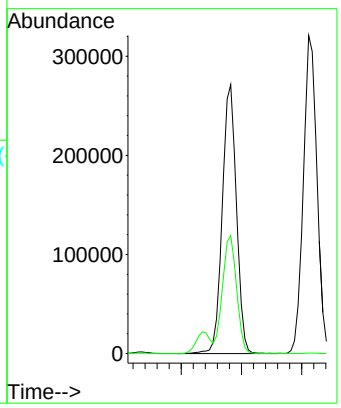
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

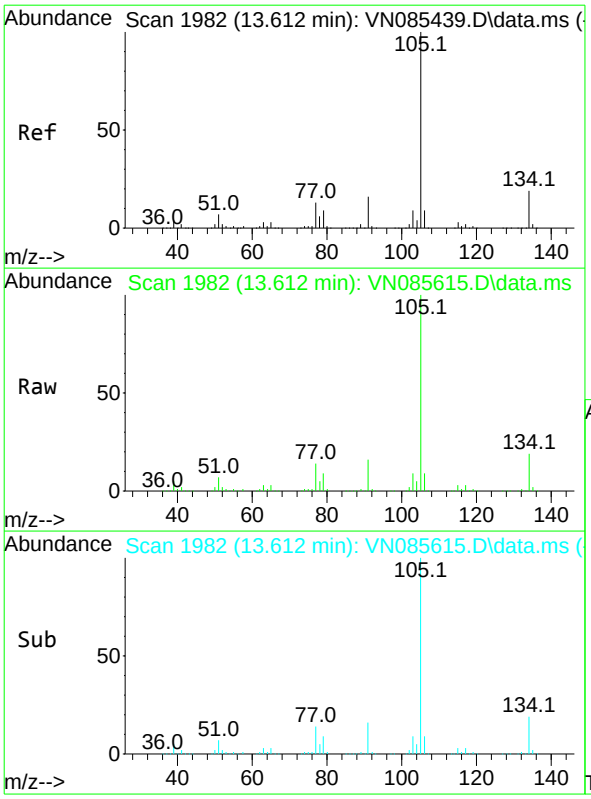


#84
1,2,4-Trimethylbenzene
Concen: 57.364 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion:105 Resp: 443007

Ion	Ratio	Lower	Upper
105	100		
120	43.6	21.6	65.0





#85
sec-Butylbenzene
Concen: 55.898 ug/l
RT: 13.612 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

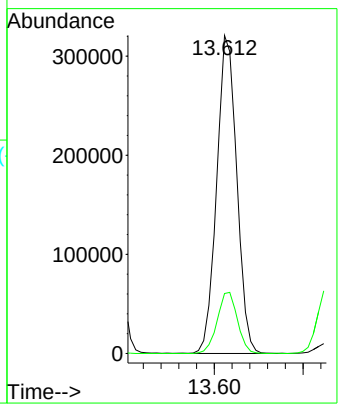
Tgt Ion:105 Resp: 504116

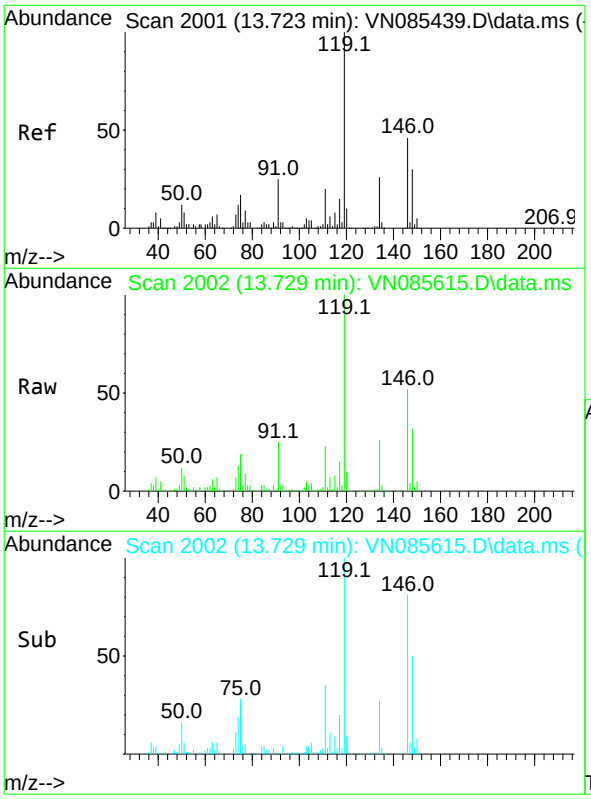
Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	28.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

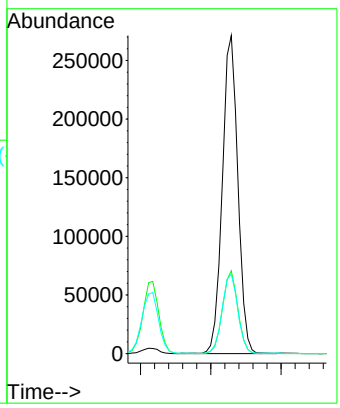


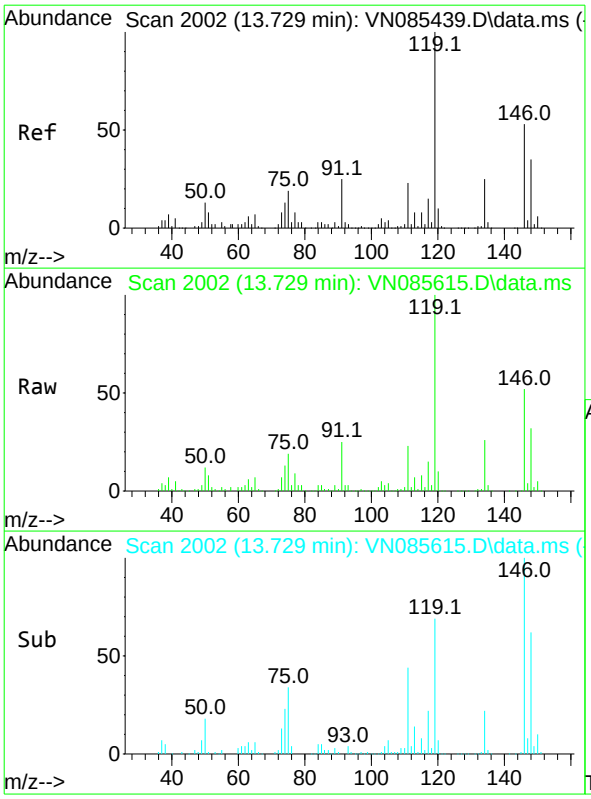


#86
p-Isopropyltoluene
Concen: 51.127 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion:119 Resp: 416356

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.7	38.0
91	25.2	12.7	38.1

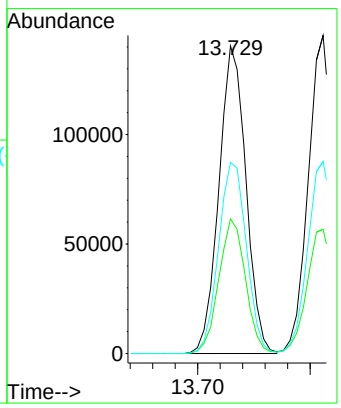




#87
1,3-Dichlorobenzene
Concen: 51.982 ug/l
RT: 13.729 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion:146 Resp: 234619

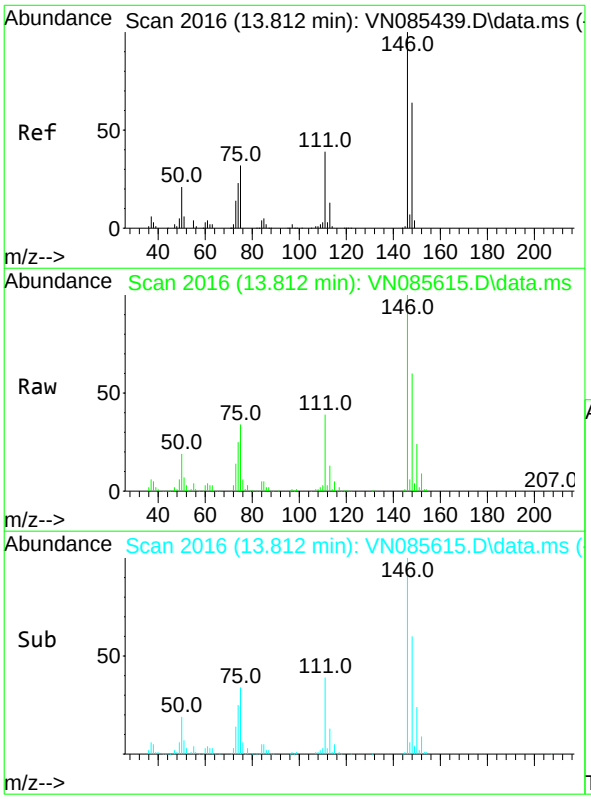
Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.4	64.3
148	64.0	32.3	96.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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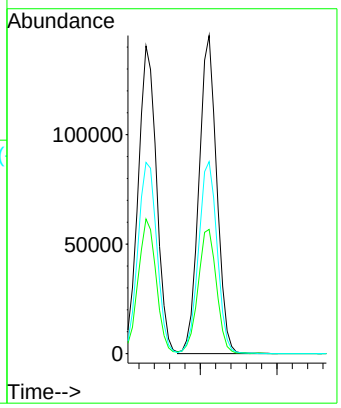
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

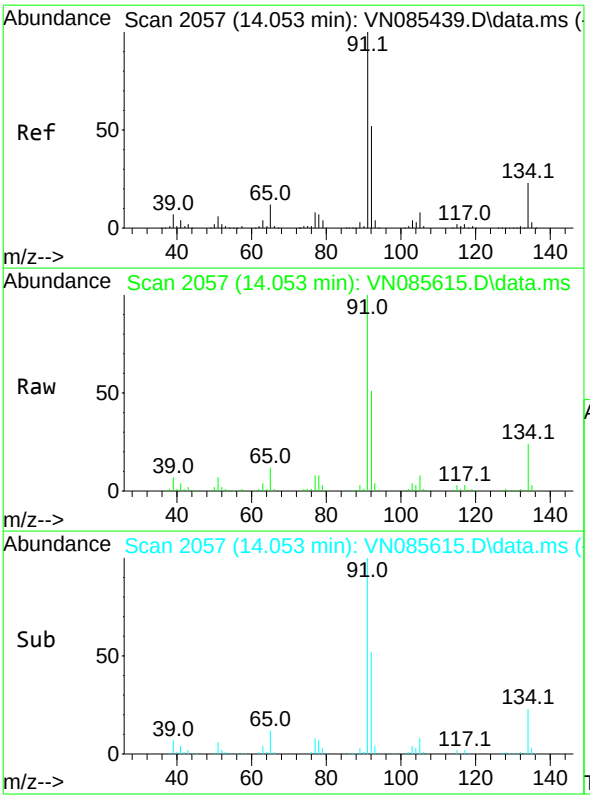


#88
1,4-Dichlorobenzene
Concen: 50.123 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion:146 Resp: 234490

Ion	Ratio	Lower	Upper
146	100		
111	40.7	21.3	63.7
148	63.0	32.4	97.0

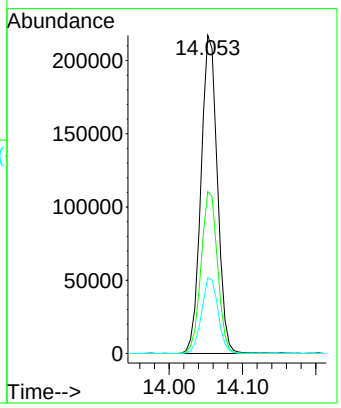




#89
n-Butylbenzene
Concen: 52.115 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion: 91 Resp: 337176

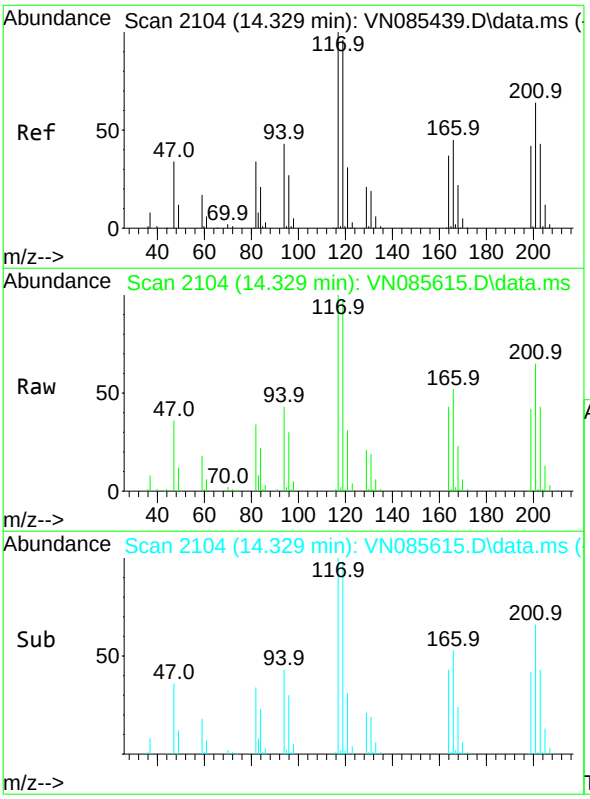
Ion	Ratio	Lower	Upper
91	100		
92	51.3	25.8	77.3
134	23.9	11.7	35.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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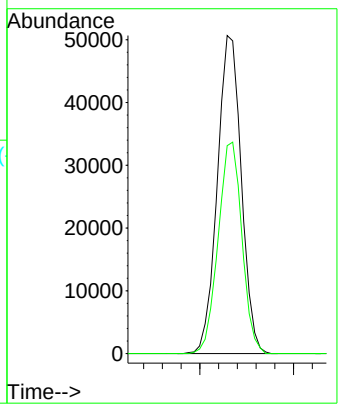
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

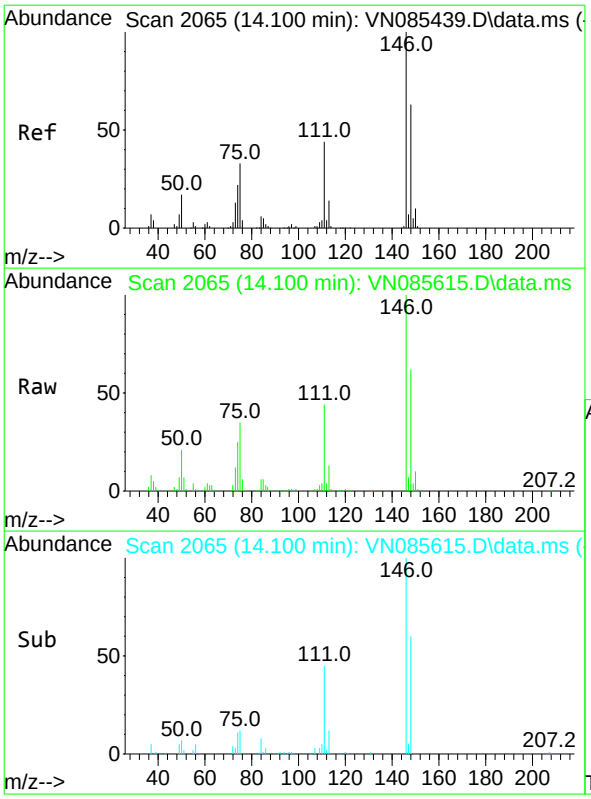


#90
Hexachloroethane
Concen: 52.504 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion:117 Resp: 90142

Ion	Ratio	Lower	Upper
117	100		
201	65.9	33.7	101.0

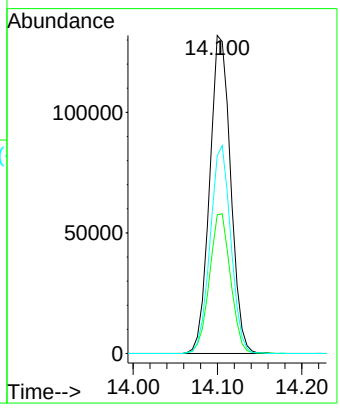




#91
1,2-Dichlorobenzene
Concen: 50.656 ug/l
RT: 14.100 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion:146 Resp: 228059

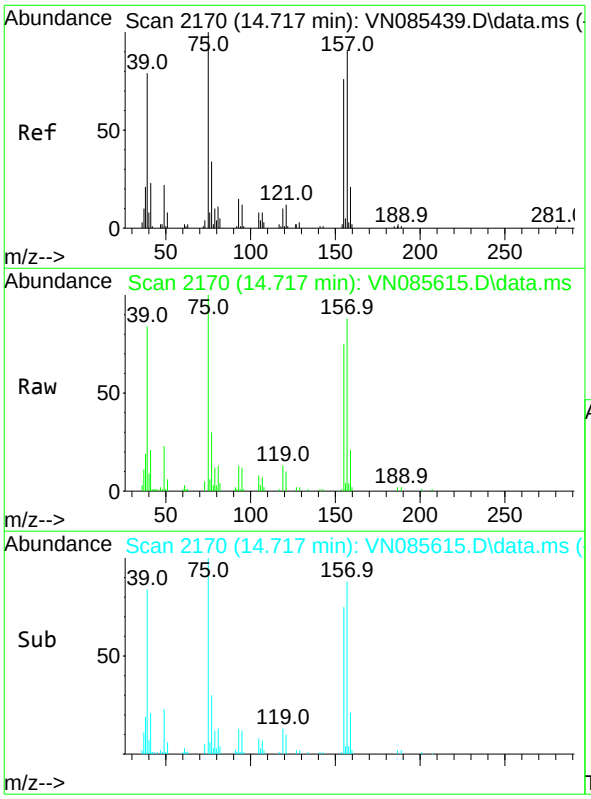
Ion	Ratio	Lower	Upper
146	100		
111	44.2	21.7	65.1
148	64.4	31.4	94.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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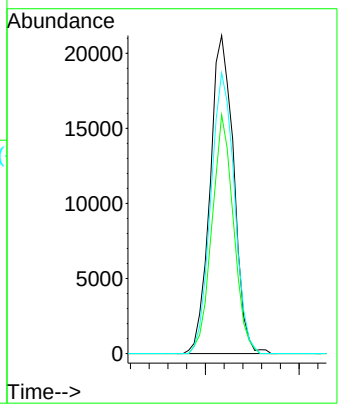
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

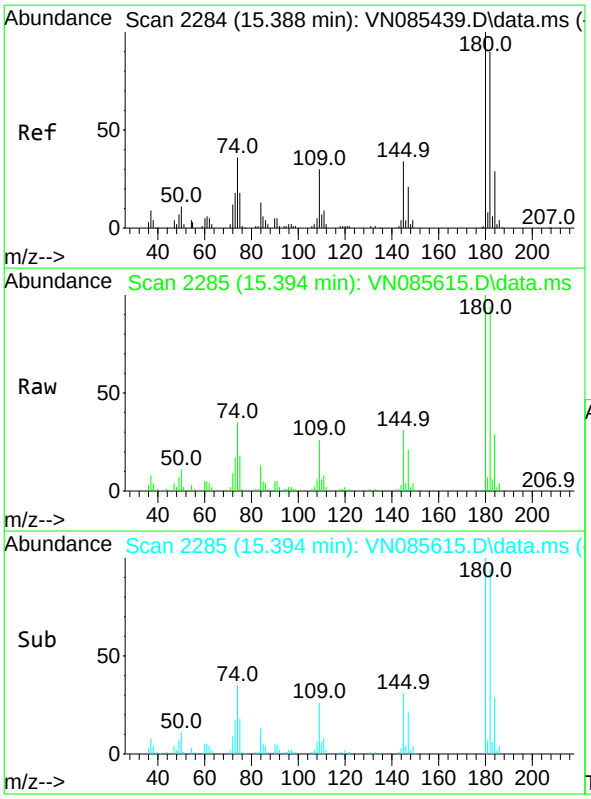


#92
1,2-Dibromo-3-Chloropropane
Concen: 61.195 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion: 75 Resp: 37029

Ion	Ratio	Lower	Upper
75	100		
155	68.5	36.4	109.2
157	87.9	45.4	136.1





#93
1,2,4-Trichlorobenzene
Concen: 49.981 ug/l
RT: 15.394 min Scan# 22
Delta R.T. 0.006 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

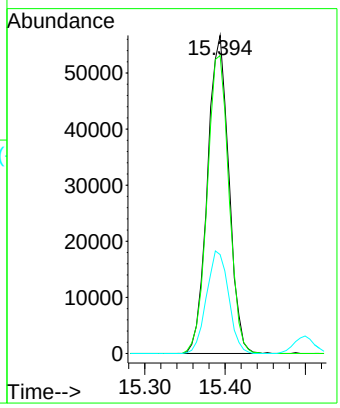
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

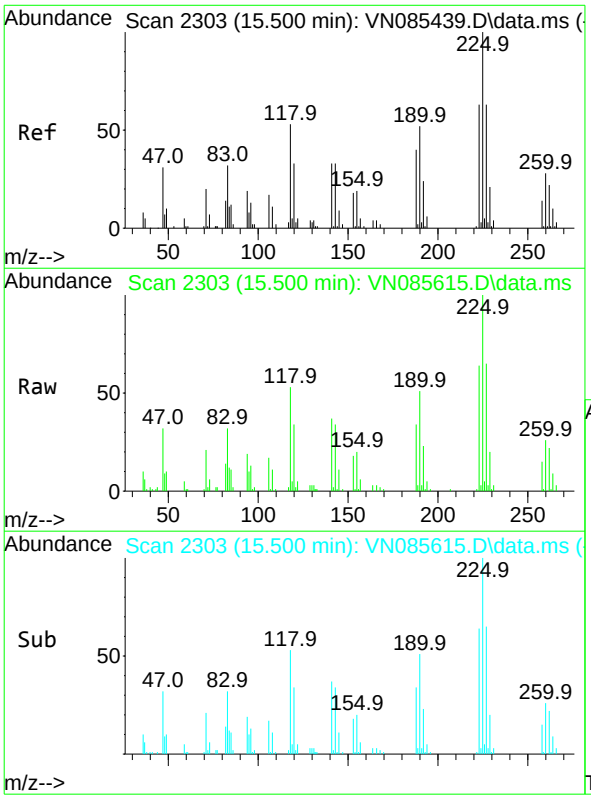
Tgt Ion:180 Resp: 104583

Ion	Ratio	Lower	Upper
180	100		
182	95.3	46.8	140.3
145	33.3	16.0	48.0

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

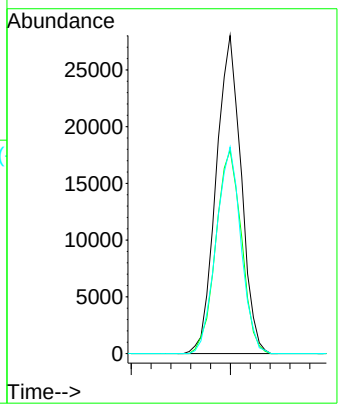


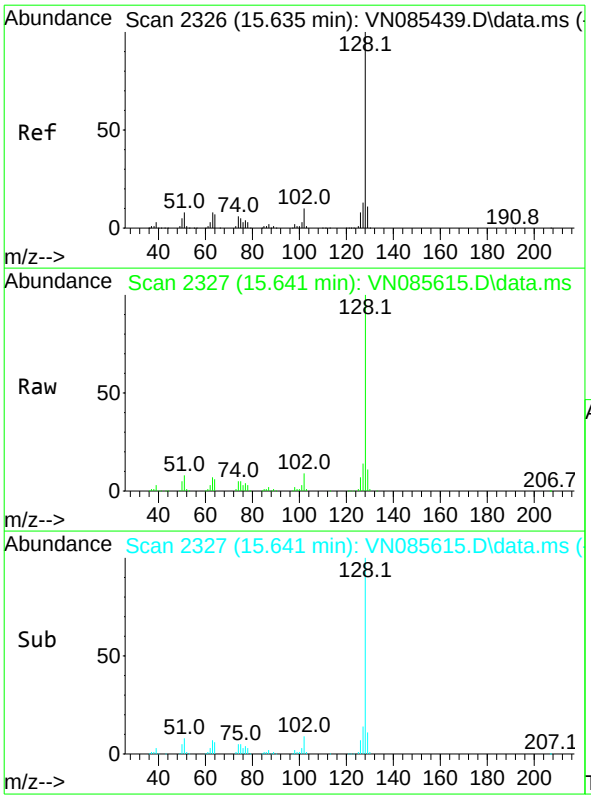


#94
Hexachlorobutadiene
Concen: 44.176 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion:225 Resp: 49075

Ion	Ratio	Lower	Upper
225	100		
223	65.5	30.7	92.1
227	64.5	30.9	92.5





#95
Naphthalene
Concen: 54.952 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.006 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

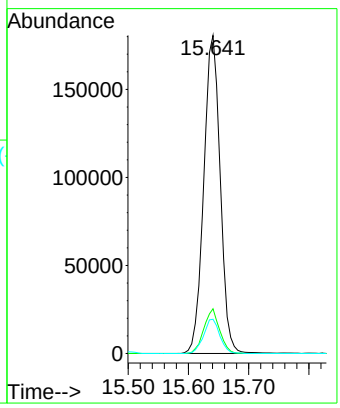
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

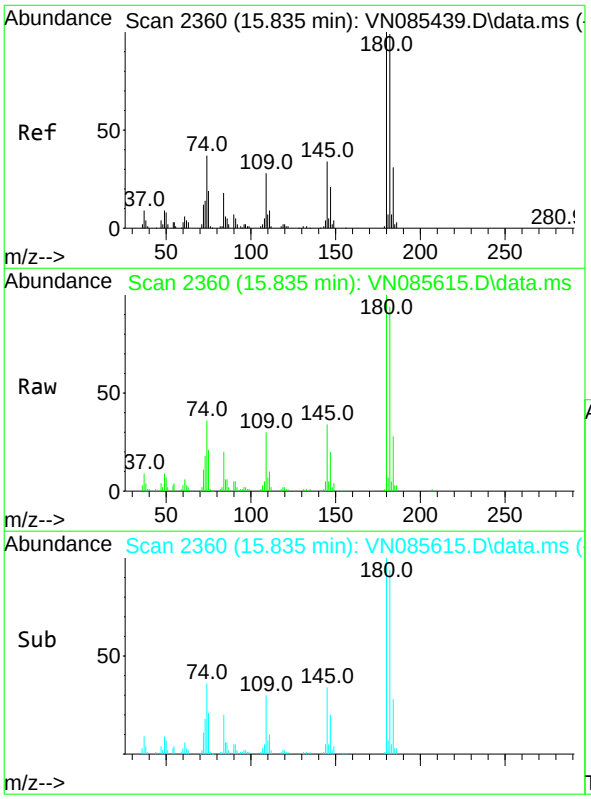
Tgt Ion:128 Resp: 343115

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	16.0
129	10.6	8.8	13.2

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

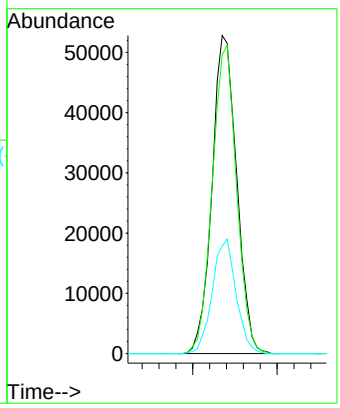




#96
1,2,3-Trichlorobenzene
Concen: 50.602 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN085615.D
Acq: 31 Jan 2025 20:29

Tgt Ion:180 Resp: 107137

Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.4	142.2
145	34.7	16.9	50.7



Evaluate Continuing Calibration Report

Sample Results: **VN085615.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013125\
Data File : VN085615.D
Acq On : 31 Jan 2025 20:29
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jan 31 22:35:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	89	0.00
2	T	Dichlorodifluoromethane	0.677	0.576	14.9	82	0.00
3	P	Chloromethane	0.733	0.627	14.5	82	0.00
4	C	Vinyl Chloride	0.737	0.670	9.1#	87	0.00
5	T	Bromomethane	0.445	0.405	9.0	87	-0.01
6	T	Chloroethane	0.467	0.487	-4.3	103	0.00
7	T	Trichlorofluoromethane	1.069	1.150	-7.6	103	0.00
8	T	Diethyl Ether	0.369	0.369	0.0	91	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.602	0.596	1.0	98	0.00
10	T	Methyl Iodide	0.690	0.725	-5.1	90	0.00
11	T	Tert butyl alcohol	0.092	0.119	-29.3#	114	0.01
12	CM	1,1-Dichloroethene	0.537	0.544	-1.3#	91	0.00
13	T	Acrolein	0.126	0.149	-18.3	95	0.00
14	T	Allyl chloride	0.871	0.855	1.8	90	0.00
15	T	Acrylonitrile	0.294	0.362	-23.1	109	0.00
16	T	Acetone	0.261	0.318	-21.8	113	0.00
17	T	Carbon Disulfide	1.652	1.302	21.2	79	0.00
18	T	Methyl Acetate	0.793	1.060	-33.7#	120	0.00
19	T	Methyl tert-butyl Ether	1.742	2.051	-17.7	98	0.00
20	T	Methylene Chloride	0.646	0.671	-3.9	95	0.00
21	T	trans-1,2-Dichloroethene	0.573	0.581	-1.4	94	0.00
22	T	Diisopropyl ether	1.933	2.228	-15.3	98	0.00
23	T	Vinyl Acetate	1.353	1.614	-19.3	96	0.00
24	P	1,1-Dichloroethane	1.178	1.265	-7.4	97	0.00
25	T	2-Butanone	0.384	0.485	-26.3#	111	0.00
26	T	2,2-Dichloropropane	0.953	0.904	5.1	86	0.00
27	T	cis-1,2-Dichloroethene	0.675	0.724	-7.3	95	0.00
28	T	Bromochloromethane	0.548	0.554	-1.1	91	0.00
29	T	Tetrahydrofuran	0.243	0.322	-32.5#	110	0.00
30	C	Chloroform	1.218	1.330	-9.2#	101	0.00
31	T	Cyclohexane	1.024	0.899	12.2	91	0.00
32	T	1,1,1-Trichloroethane	1.068	1.160	-8.6	102	0.00
33	S	1,2-Dichloroethane-d4	0.807	0.892	-10.5	96	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	91	0.00
35	S	Dibromofluoromethane	0.347	0.375	-8.1	96	0.00
36	T	1,1-Dichloropropene	0.487	0.476	2.3	94	0.00
37	T	Ethyl Acetate	0.491	0.573	-16.7	107	0.00
38	T	Carbon Tetrachloride	0.557	0.583	-4.7	101	0.00
39	T	Methylcyclohexane	0.457	0.432	5.5	85	0.00
40	TM	Benzene	1.463	1.531	-4.6	97	0.00
41	T	Methacrylonitrile	0.256	0.298	-16.4	101	0.00
42	TM	1,2-Dichloroethane	0.551	0.589	-6.9	98	0.00
43	T	Isopropyl Acetate	0.787	1.187	-50.8#	133	0.00
44	TM	Trichloroethene	0.341	0.334	2.1	94	0.00
45	C	1,2-Dichloropropane	0.374	0.405	-8.3#	100	0.00
46	T	Dibromomethane	0.270	0.287	-6.3	98	0.00
47	T	Bromodichloromethane	0.549	0.622	-13.3	102	0.00
48	T	Methyl methacrylate	0.354	0.444	-25.4#	103	0.00

Sample Results: **VN085615.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013125\
Data File : VN085615.D
Acq On : 31 Jan 2025 20:29
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jan 31 22:35:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.006	0.007	-16.7	105	0.00
50	S	Toluene-d8	1.232	1.340	-8.8	97	0.00
51	T	4-Methyl-2-Pentanone	0.457	0.604	-32.2#	112	0.00
52	CM	Toluene	0.848	0.935	-10.3#	98	0.00
53	T	t-1,3-Dichloropropene	0.519	0.572	-10.2	95	0.00
54	T	cis-1,3-Dichloropropene	0.554	0.599	-8.1	93	0.00
55	T	1,1,2-Trichloroethane	0.335	0.378	-12.8	102	0.00
56	T	Ethyl methacrylate	0.469	0.606	-29.2#	102	0.00
57	T	1,3-Dichloropropane	0.583	0.656	-12.5	100	0.00
58	T	2-Chloroethyl Vinyl ether	0.213	0.228	-7.0	87	0.00
59	T	2-Hexanone	0.321	0.444	-38.3#	114	0.00
60	T	Dibromochloromethane	0.405	0.457	-12.8	101	0.00
61	T	1,2-Dibromoethane	0.334	0.372	-11.4	102	0.00
62	S	4-Bromofluorobenzene	0.422	0.474	-12.3	97	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	92	0.00
64	T	Tetrachloroethene	0.341	0.321	5.9	92	0.00
65	PM	Chlorobenzene	1.095	1.162	-6.1	99	0.00
66	T	1,1,1,2-Tetrachloroethane	0.402	0.441	-9.7	104	0.00
67	C	Ethyl Benzene	1.784	2.013	-12.8#	99	0.00
68	T	m/p-Xylenes	0.659	0.769	-16.7	100	0.00
69	T	o-Xylene	0.630	0.722	-14.6	97	0.00
70	T	Styrene	1.043	1.279	-22.6	100	0.00
71	P	Bromoform	0.288	0.349	-21.2	103	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	95	0.00
73	T	Isopropylbenzene	3.375	3.678	-9.0	101	0.00
74	T	N-amyl acetate	1.517	1.805	-19.0	105	0.00
75	P	1,1,2,2-Tetrachloroethane	1.192	1.323	-11.0	110	0.00
76	T	1,2,3-Trichloropropane	1.016	1.086	-6.9	115	0.00
77	T	Bromobenzene	0.882	0.907	-2.8	100	0.00
78	T	n-propylbenzene	3.995	4.380	-9.6	100	0.00
79	T	2-Chlorotoluene	2.586	2.750	-6.3	101	0.00
80	T	1,3,5-Trimethylbenzene	2.787	3.120	-11.9	101	0.00
81	T	trans-1,4-Dichloro-2-butene	0.376	0.427	-13.6	104	0.00
82	T	4-Chlorotoluene	2.574	2.756	-7.1	101	0.00
83	T	tert-Butylbenzene	2.341	2.578	-10.1	100	0.00
84	T	1,2,4-Trimethylbenzene	2.778	3.187	-14.7	100	0.00
85	T	sec-Butylbenzene	3.244	3.627	-11.8	101	0.00
86	T	p-Isopropyltoluene	2.631	2.996	-13.9	99	0.00
87	T	1,3-Dichlorobenzene	1.624	1.688	-3.9	102	0.00
88	T	1,4-Dichlorobenzene	1.683	1.687	-0.2	102	0.00
89	T	n-Butylbenzene	2.327	2.426	-4.3	93	0.00
90	T	Hexachloroethane	0.618	0.649	-5.0	107	0.00
91	T	1,2-Dichlorobenzene	1.620	1.641	-1.3	100	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.218	0.266	-22.0	114	0.00
93	T	1,2,4-Trichlorobenzene	0.753	0.752	0.1	91	0.00
94	T	Hexachlorobutadiene	0.400	0.353	11.8	91	0.00
95	T	Naphthalene	2.246	2.469	-9.9	94	0.00

Sample Results: **VN085615.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013125\
Data File : VN085615.D
Acq On : 31 Jan 2025 20:29
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jan 31 22:35:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.762	0.771	-1.2	93	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VN085615.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013125\
Data File : VN085615.D
Acq On : 31 Jan 2025 20:29
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jan 31 22:35:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	89	0.00
2	T	Dichlorodifluoromethane	50.000	42.525	15.0	82	0.00
3	P	Chloromethane	50.000	42.761	14.5	82	0.00
4	C	Vinyl Chloride	50.000	45.459	9.1#	87	0.00
5	T	Bromomethane	50.000	45.461	9.1	87	-0.01
6	T	Chloroethane	50.000	52.096	-4.2	103	0.00
7	T	Trichlorofluoromethane	50.000	53.795	-7.6	103	0.00
8	T	Diethyl Ether	50.000	49.910	0.2	91	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	49.532	0.9	98	0.00
10	T	Methyl Iodide	50.000	52.554	-5.1	90	0.00
11	T	Tert butyl alcohol	250.000	322.573	-29.0#	114	0.01
12	CM	1,1-Dichloroethene	50.000	50.648	-1.3#	91	0.00
13	T	Acrolein	250.000	294.732	-17.9	95	0.00
14	T	Allyl chloride	50.000	49.071	1.9	90	0.00
15	T	Acrylonitrile	250.000	308.429	-23.4	109	0.00
16	T	Acetone	250.000	304.912	-22.0	113	0.00
17	T	Carbon Disulfide	50.000	39.415	21.2	79	0.00
18	T	Methyl Acetate	50.000	66.866	-33.7#	120	0.00
19	T	Methyl tert-butyl Ether	50.000	58.861	-17.7	98	0.00
20	T	Methylene Chloride	50.000	51.971	-3.9	95	0.00
21	T	trans-1,2-Dichloroethene	50.000	50.664	-1.3	94	0.00
22	T	Diisopropyl ether	50.000	57.650	-15.3	98	0.00
23	T	Vinyl Acetate	250.000	298.283	-19.3	96	0.00
24	P	1,1-Dichloroethane	50.000	53.692	-7.4	97	0.00
25	T	2-Butanone	250.000	315.996	-26.4#	111	0.00
26	T	2,2-Dichloropropane	50.000	47.442	5.1	86	0.00
27	T	cis-1,2-Dichloroethene	50.000	53.563	-7.1	95	0.00
28	T	Bromochloromethane	50.000	50.524	-1.0	91	0.00
29	T	Tetrahydrofuran	250.000	330.491	-32.2#	110	0.00
30	C	Chloroform	50.000	54.603	-9.2#	101	0.00
31	T	Cyclohexane	50.000	43.906	12.2	91	0.00
32	T	1,1,1-Trichloroethane	50.000	54.266	-8.5	102	0.00
33	S	1,2-Dichloroethane-d4	50.000	55.255	-10.5	96	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	91	0.00
35	S	Dibromofluoromethane	50.000	54.028	-8.1	96	0.00
36	T	1,1-Dichloropropene	50.000	48.920	2.2	94	0.00
37	T	Ethyl Acetate	50.000	58.266	-16.5	107	0.00
38	T	Carbon Tetrachloride	50.000	52.341	-4.7	101	0.00
39	T	Methylcyclohexane	50.000	47.197	5.6	85	0.00
40	TM	Benzene	50.000	52.335	-4.7	97	0.00
41	T	Methacrylonitrile	50.000	58.325	-16.7	101	0.00
42	TM	1,2-Dichloroethane	50.000	53.434	-6.9	98	0.00
43	T	Isopropyl Acetate	50.000	75.346	-50.7#	133	0.00
44	TM	Trichloroethene	50.000	49.070	1.9	94	0.00
45	C	1,2-Dichloropropane	50.000	54.156	-8.3#	100	0.00
46	T	Dibromomethane	50.000	53.196	-6.4	98	0.00
47	T	Bromodichloromethane	50.000	56.606	-13.2	102	0.00
48	T	Methyl methacrylate	50.000	62.594	-25.2#	103	0.00

Sample Results: **VN085615.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013125\
Data File : VN085615.D
Acq On : 31 Jan 2025 20:29
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jan 31 22:35:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1223.010	-22.3	105	0.00
50	S	Toluene-d8	50.000	54.383	-8.8	97	0.00
51	T	4-Methyl-2-Pentanone	250.000	330.417	-32.2#	112	0.00
52	CM	Toluene	50.000	55.132	-10.3#	98	0.00
53	T	t-1,3-Dichloropropene	50.000	55.114	-10.2	95	0.00
54	T	cis-1,3-Dichloropropene	50.000	54.029	-8.1	93	0.00
55	T	1,1,2-Trichloroethane	50.000	56.347	-12.7	102	0.00
56	T	Ethyl methacrylate	50.000	53.497	-7.0	102	0.00
57	T	1,3-Dichloropropane	50.000	56.239	-12.5	100	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	268.153	-7.3	87	0.00
59	T	2-Hexanone	250.000	345.422	-38.2#	114	0.00
60	T	Dibromochloromethane	50.000	56.398	-12.8	101	0.00
61	T	1,2-Dibromoethane	50.000	55.665	-11.3	102	0.00
62	S	4-Bromofluorobenzene	50.000	56.247	-12.5	97	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	92	0.00
64	T	Tetrachloroethene	50.000	47.100	5.8	92	0.00
65	PM	Chlorobenzene	50.000	53.050	-6.1	99	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	54.843	-9.7	104	0.00
67	C	Ethyl Benzene	50.000	56.421	-12.8#	99	0.00
68	T	m/p-Xylenes	100.000	116.667	-16.7	100	0.00
69	T	o-Xylene	50.000	57.262	-14.5	97	0.00
70	T	Styrene	50.000	61.312	-22.6	100	0.00
71	P	Bromoform	50.000	60.667	-21.3	103	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	95	0.00
73	T	Isopropylbenzene	50.000	54.493	-9.0	101	0.00
74	T	N-amyl acetate	50.000	59.490	-19.0	105	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	55.475	-11.0	110	0.00
76	T	1,2,3-Trichloropropane	50.000	53.424	-6.8	115	0.00
77	T	Bromobenzene	50.000	51.456	-2.9	100	0.00
78	T	n-propylbenzene	50.000	54.824	-9.6	100	0.00
79	T	2-Chlorotoluene	50.000	53.178	-6.4	101	0.00
80	T	1,3,5-Trimethylbenzene	50.000	55.967	-11.9	101	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	56.899	-13.8	104	0.00
82	T	4-Chlorotoluene	50.000	53.528	-7.1	101	0.00
83	T	tert-Butylbenzene	50.000	55.058	-10.1	100	0.00
84	T	1,2,4-Trimethylbenzene	50.000	57.364	-14.7	100	0.00
85	T	sec-Butylbenzene	50.000	55.898	-11.8	101	0.00
86	T	p-Isopropyltoluene	50.000	51.127	-2.3	99	0.00
87	T	1,3-Dichlorobenzene	50.000	51.982	-4.0	102	0.00
88	T	1,4-Dichlorobenzene	50.000	50.123	-0.2	102	0.00
89	T	n-Butylbenzene	50.000	52.115	-4.2	93	0.00
90	T	Hexachloroethane	50.000	52.504	-5.0	107	0.00
91	T	1,2-Dichlorobenzene	50.000	50.656	-1.3	100	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	61.195	-22.4	114	0.00
93	T	1,2,4-Trichlorobenzene	50.000	49.981	0.0	91	0.00
94	T	Hexachlorobutadiene	50.000	44.176	11.6	91	0.00
95	T	Naphthalene	50.000	54.952	-9.9	94	0.00

Sample Results: **VN085615.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013125\
Data File : VN085615.D
Acq On : 31 Jan 2025 20:29
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jan 31 22:35:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	50.602	-1.2	93	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

QC SAMPLE DATA

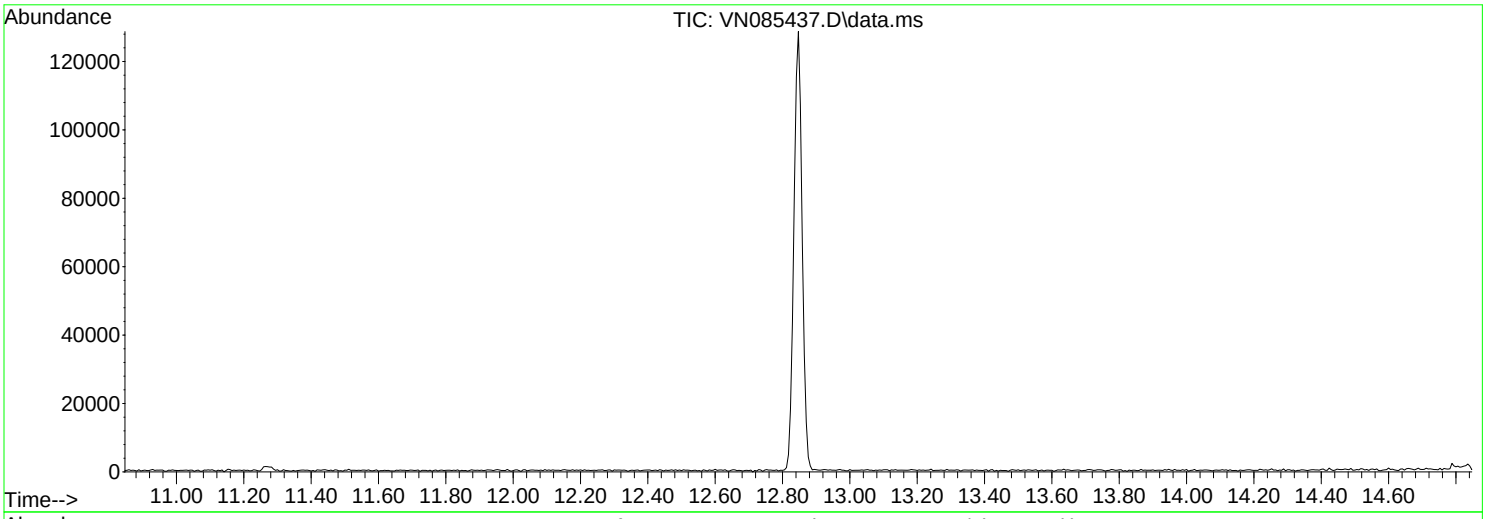
Sample Results: **VN085437.D**

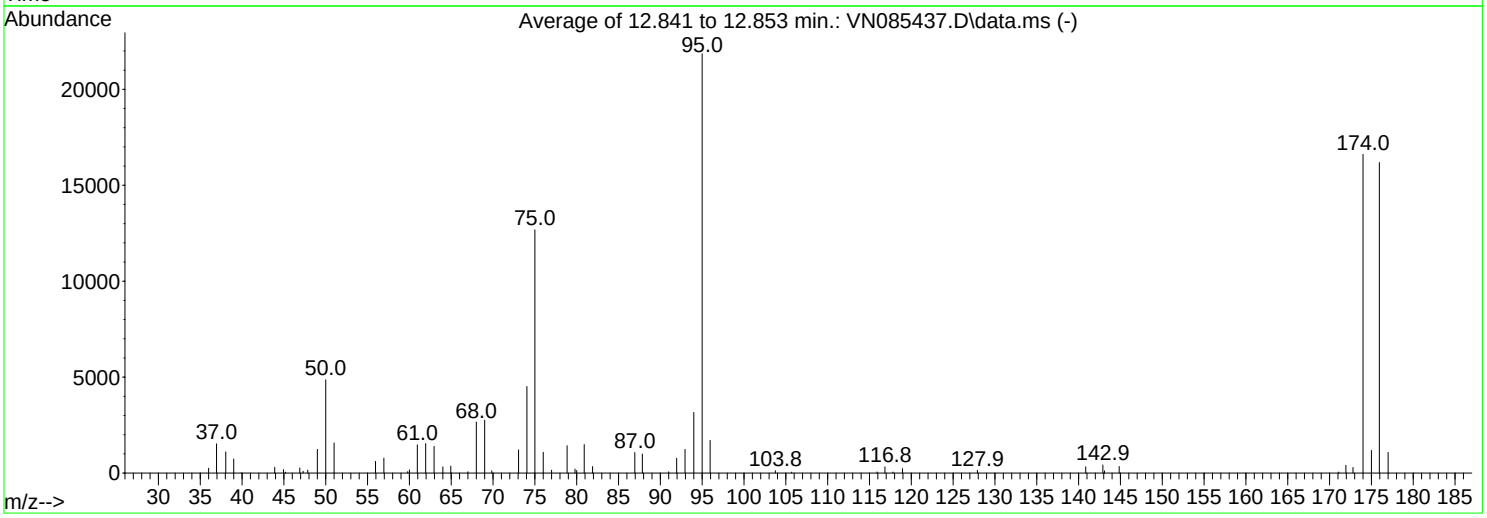
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085437.D
Acq On : 14 Jan 2025 14:22
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Title : SW846 8260
Last Update : Wed Jan 15 02:16:08 2025





AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1843

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.3	4864	PASS
75	95	30	60	58.0	12679	PASS
95	95	100	100	100.0	21856	PASS
96	95	5	9	7.8	1703	PASS
173	174	0.00	2	1.8	296	PASS
174	95	50	100	76.0	16613	PASS
175	174	5	9	7.1	1179	PASS
176	174	95	101	97.4	16185	PASS
177	176	5	9	6.7	1079	PASS

Average of 12.841 to 12.853 min.: VN085437.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	254	49.00	1237	64.95	364	79.80	211
36.95	1525	50.00	4864	67.00	71	80.00	136
38.05	1107	51.00	1571	68.00	2658	80.90	1487
39.00	730	55.95	608	69.00	2763	81.90	338
39.90	5	56.95	779	69.85	123	86.95	1072
43.90	302	59.80	76	73.05	1212	87.85	997
44.95	180	60.00	170	74.05	4514	91.00	68
45.20	50	60.95	1471	75.00	12679	91.95	773
46.90	269	61.95	1539	76.00	1086	92.95	1234
47.30	94	62.95	1390	77.00	153	94.00	3163
47.85	154	64.00	325	78.85	1426	95.00	21856

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.841 to 12.853 min.: VN085437.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
95.95	1703	144.85	346				
103.75	127	171.10	56				
105.70	51	171.95	407				
115.90	59	172.80	296				
116.85	327	174.00	16613				
117.80	58	175.00	1179				
118.95	233	175.95	16185				
127.90	145	177.00	1079				
140.85	328						
142.90	422						
143.10	115						

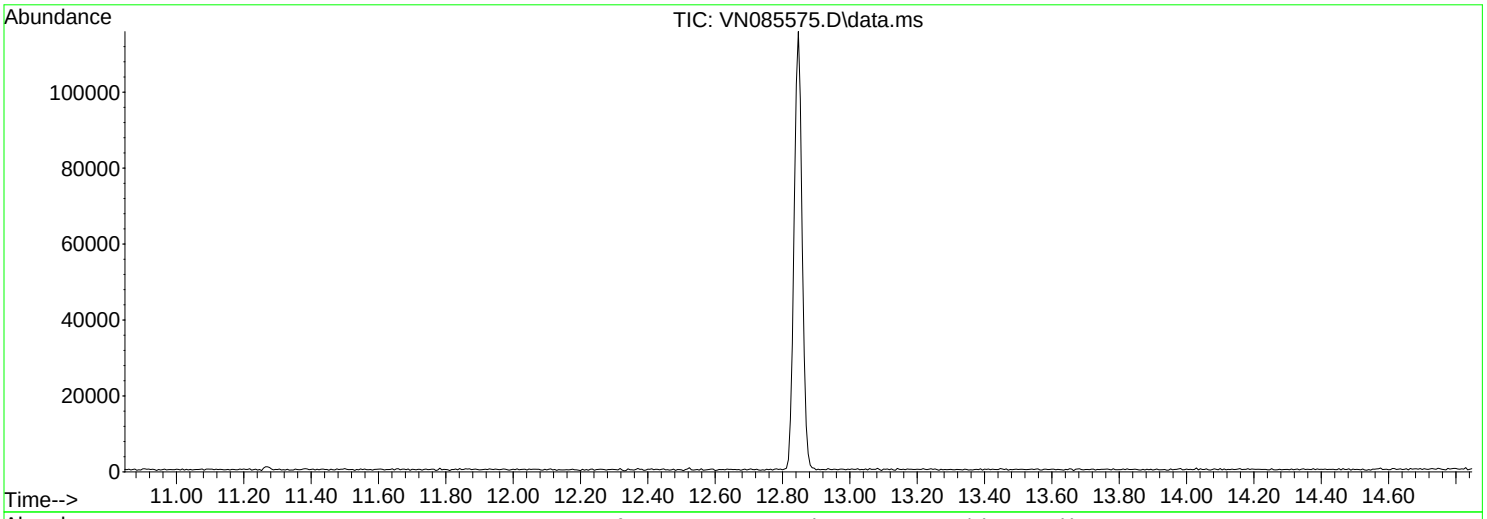
Sample Results: **VN085575.D**

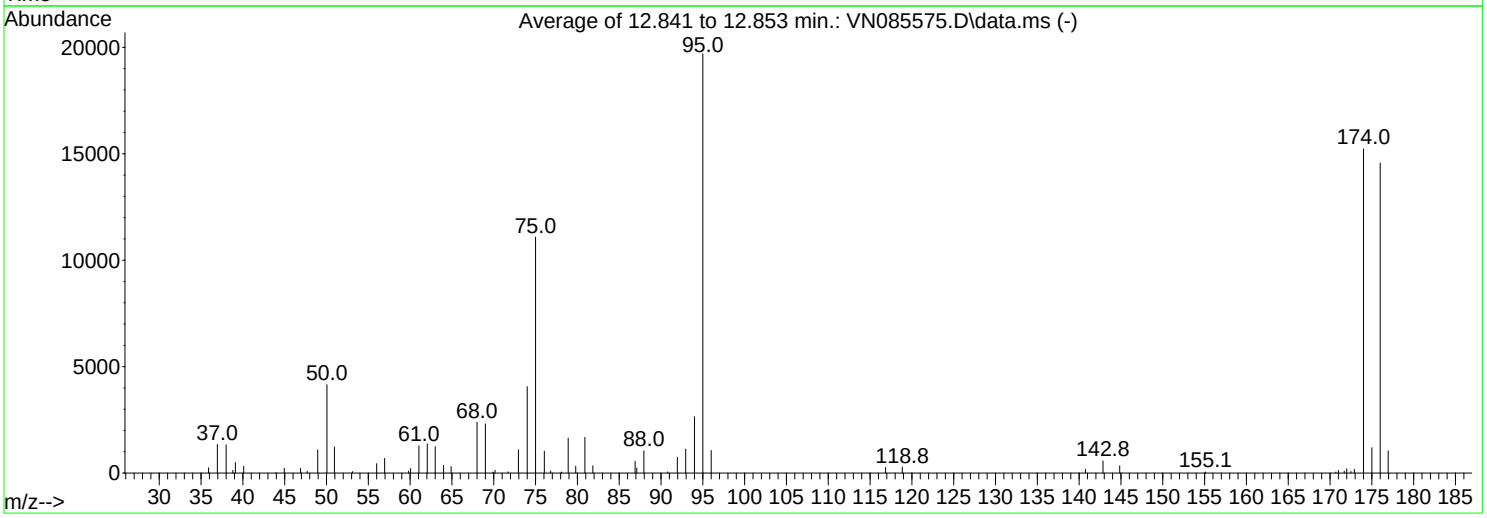
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013025\
Data File : VN085575.D
Acq On : 30 Jan 2025 12:21
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Title : SW846 8260
Last Update : Wed Jan 15 02:16:08 2025





AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1843

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.1	4154	PASS
75	95	30	60	56.3	11088	PASS
95	95	100	100	100.0	19701	PASS
96	95	5	9	5.4	1061	PASS
173	174	0.00	2	1.2	180	PASS
174	95	50	100	77.3	15228	PASS
175	174	5	9	7.8	1190	PASS
176	174	95	101	95.7	14566	PASS
177	176	5	9	7.1	1041	PASS

Average of 12.841 to 12.853 min.: VN085575.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.90	248	50.05	4154	64.90	307	78.10	53
36.95	1344	50.95	1224	68.00	2383	78.90	1642
38.00	1324	53.10	69	69.00	2313	79.80	322
38.80	132	56.00	445	69.90	52	80.90	1675
39.10	495	56.95	692	70.15	134	81.85	347
40.10	320	59.80	93	71.70	60	86.90	554
43.95	15	60.05	211	72.95	1091	87.10	240
44.95	227	61.05	1278	74.00	4064	87.95	1047
46.90	217	62.05	1373	75.00	11088	90.80	56
47.70	83	63.00	1242	76.05	1027	91.95	747
48.95	1090	64.00	367	76.80	97	92.95	1129

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.841 to 12.853 min.: VN085575.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.00	2647	171.70	87				
95.00	19701	172.00	201				
96.00	1061	172.50	78				
116.85	260	172.90	180				
118.85	277	174.00	15228				
140.75	178	175.00	1190				
142.85	573	176.00	14566				
144.85	340	176.95	1041				
155.10	52						
170.70	52						
171.00	125						

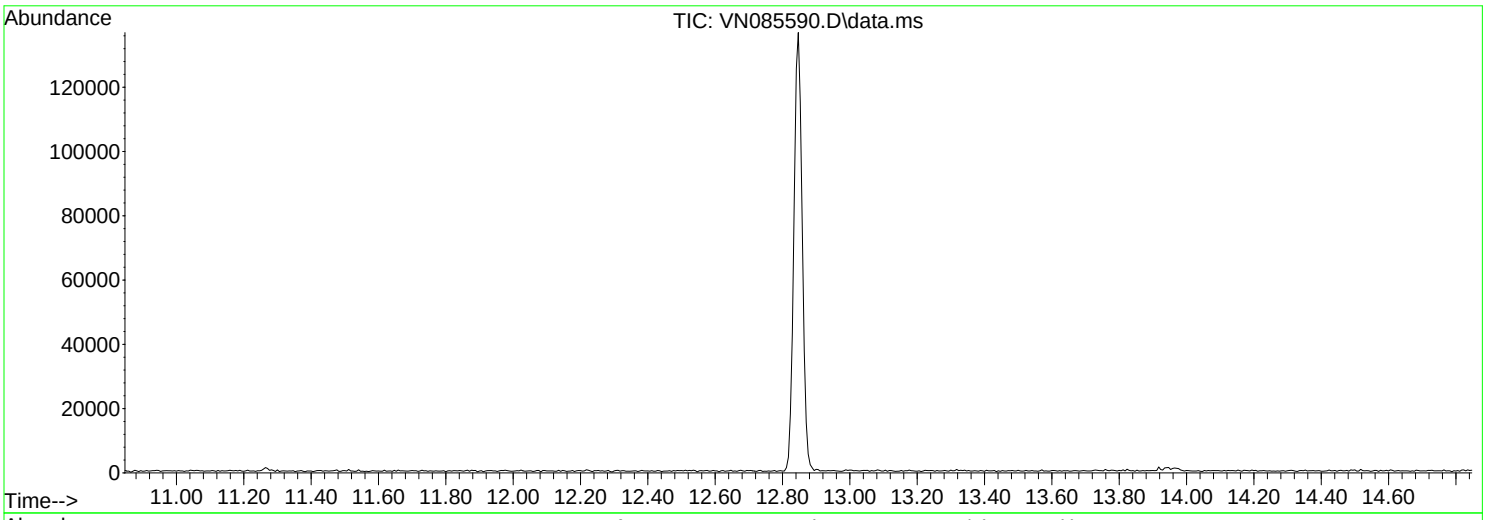
Sample Results: **VN085590.D**

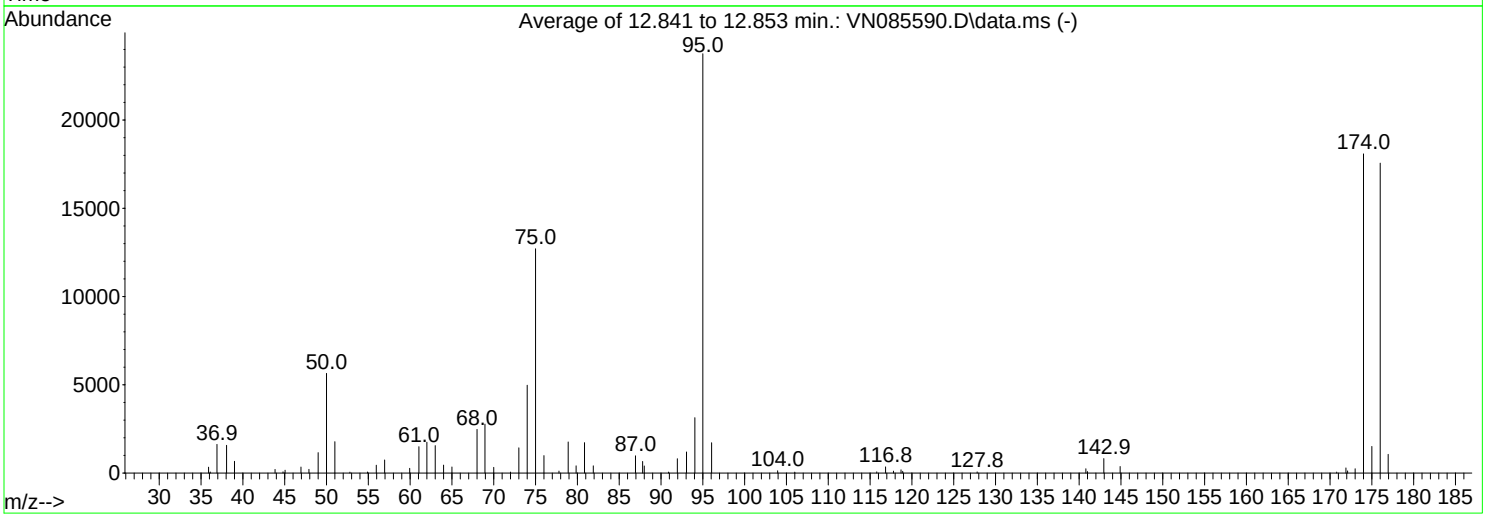
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013125\
Data File : VN085590.D
Acq On : 31 Jan 2025 09:30
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Title : SW846 8260
Last Update : Thu Jan 16 01:16:09 2025





AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1843

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.8	5647	PASS
75	95	30	60	53.5	12707	PASS
95	95	100	100	100.0	23757	PASS
96	95	5	9	7.2	1718	PASS
173	174	0.00	2	1.4	245	PASS
174	95	50	100	76.1	18083	PASS
175	174	5	9	8.3	1508	PASS
176	174	95	101	97.1	17560	PASS
177	176	5	9	6.0	1060	PASS

Raw Data: **VN085578.D**

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

Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	VN0130WBL01	SDG No.:	Q1211
Lab Sample ID:	VN0130WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085578.D	1		01/30/25 14:32	VN013025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	5.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	5.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	5.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.50	U	0.56	0.50	5.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	5.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	25.0	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	5.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	5.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	5.00	ug/L
110-82-7	Cyclohexane	3.80	U	1.60	3.80	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.50	U	0.25	0.50	5.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	5.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.75	U	0.19	0.75	5.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	5.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.75	U	0.24	0.75	5.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	5.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	5.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	25.0	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	5.00	ug/L

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

Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	VN0130WBL01	SDG No.:	Q1211
Lab Sample ID:	VN0130WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085578.D	1		01/30/25 14:32	VN013025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	5.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	25.0	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	5.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	5.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	5.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	5.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	5.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	10.0	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	5.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	5.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	5.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	2.00	U	0.46	2.00	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.50	U	0.51	0.50	5.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	56.5		81 - 118		113%	SPK: 50
1868-53-7	Dibromofluoromethane	53.7		80 - 119		107%	SPK: 50
2037-26-5	Toluene-d8	50.1		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.3		85 - 114		91%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	169000	8.224				
540-36-3	1,4-Difluorobenzene	315000	9.1				
3114-55-4	Chlorobenzene-d5	276000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	111000	13.788				

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

Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	VN0130WBL01	SDG No.:	Q1211
Lab Sample ID:	VN0130WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085578.D	1		01/30/25 14:32	VN013025

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: **VN085578.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013025\
Data File : VN085578.D
Acq On : 30 Jan 2025 14:32
Operator : JC\MD
Sample : VN0130WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBL01

Quant Time: Jan 31 02:34:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	169481	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	315219	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	275647	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	110956	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	154457	56.458	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.920%			
35) Dibromofluoromethane	8.165	113	117387	53.679	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.360%			
50) Toluene-d8	10.565	98	389115	50.080	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.160%			
62) 4-Bromofluorobenzene	12.847	95	120418	45.306	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 90.620%			

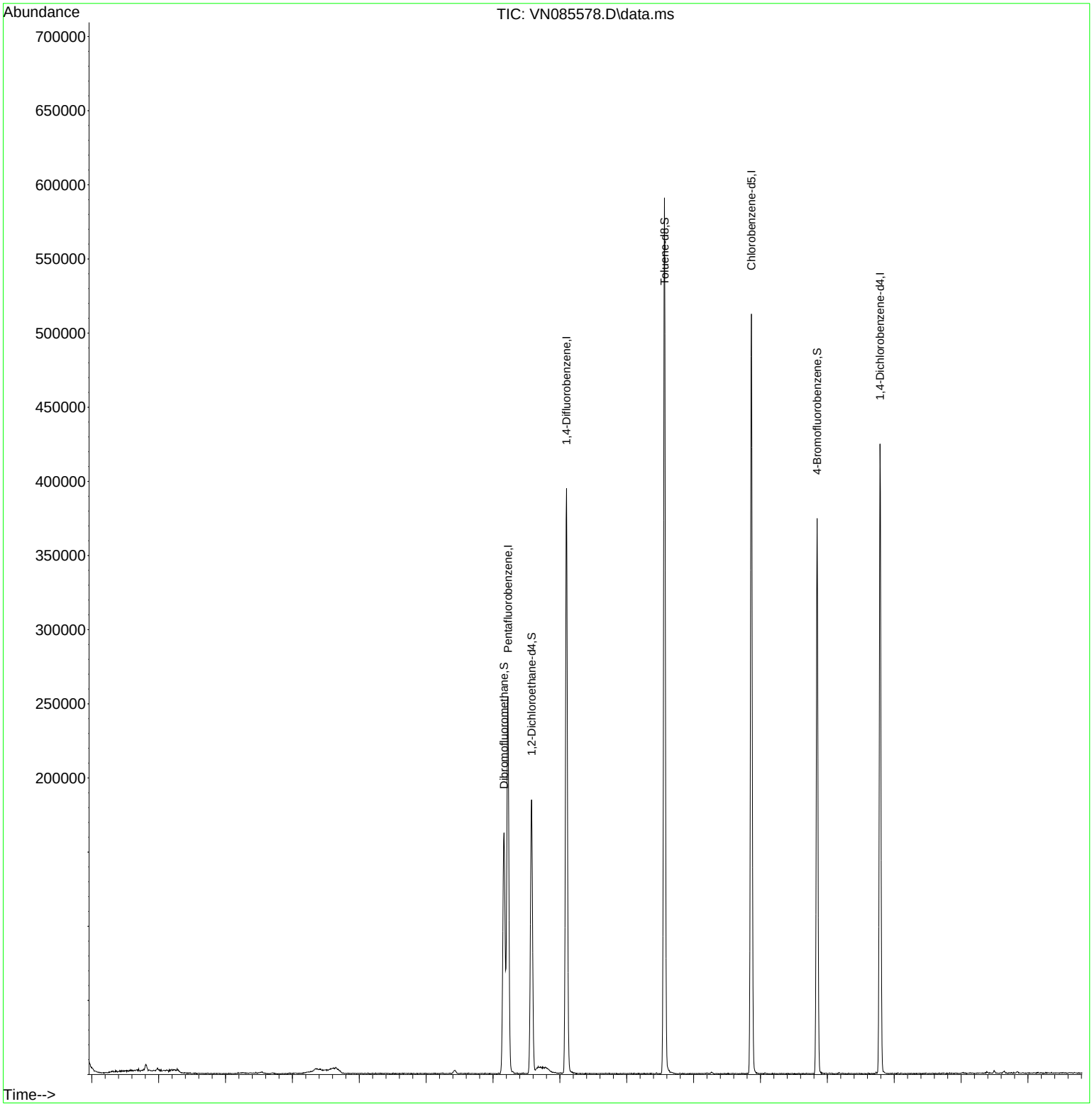
Target Compounds Qvalue

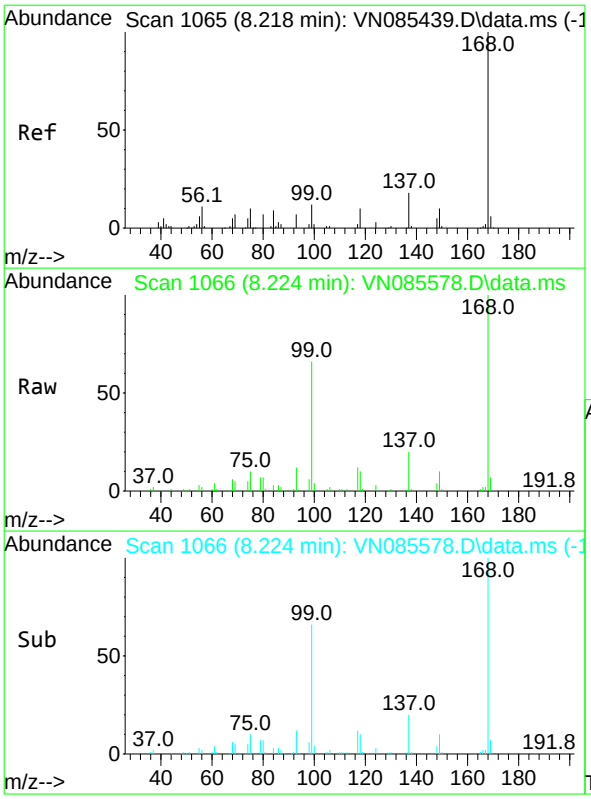
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013025\
Data File : VN085578.D
Acq On : 30 Jan 2025 14:32
Operator : JC\MD
Sample : VN0130WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBL01

Quant Time: Jan 31 02:34:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration



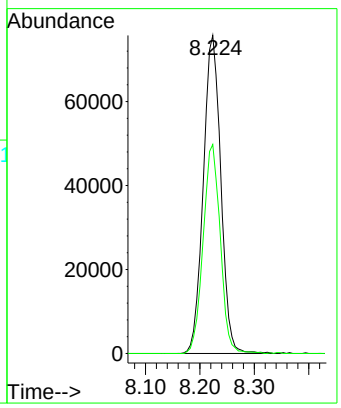


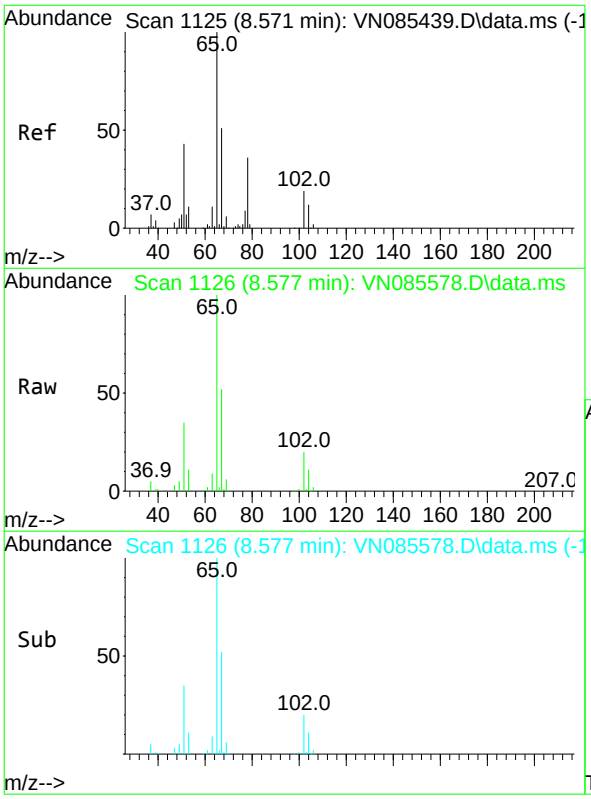
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085578.D
Acq: 30 Jan 2025 14:32

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBL01

Tgt Ion:168 Resp: 169481

Ion	Ratio	Lower	Upper
168	100		
99	65.7	53.6	80.4

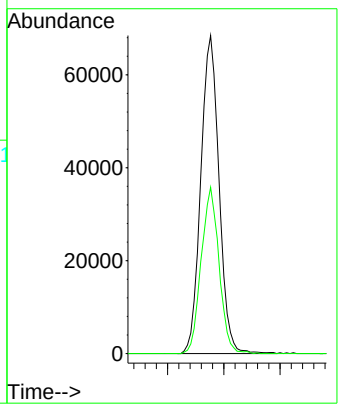


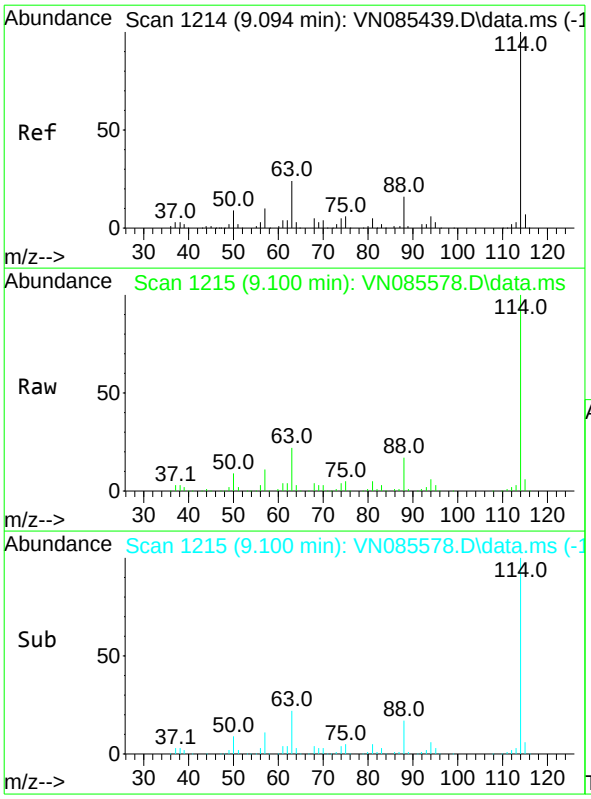


#33
1,2-Dichloroethane-d4
Concen: 56.458 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085578.D
Acq: 30 Jan 2025 14:32

Tgt Ion: 65 Resp: 154457

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	101.6



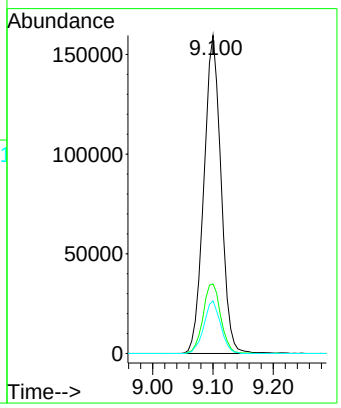


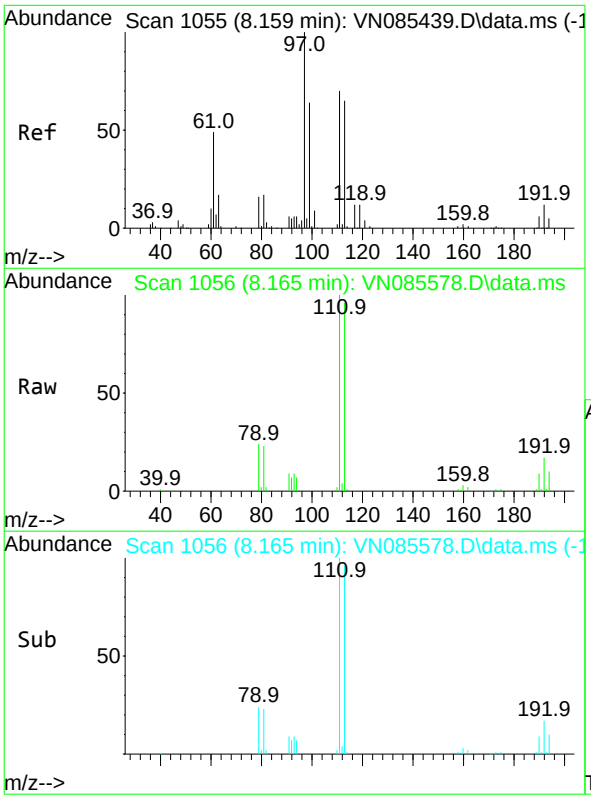
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.006 min
Lab File: VN085578.D
Acq: 30 Jan 2025 14:32

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBL01

Tgt Ion:114 Resp: 315219

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	47.6
88	16.6	0.0	32.6

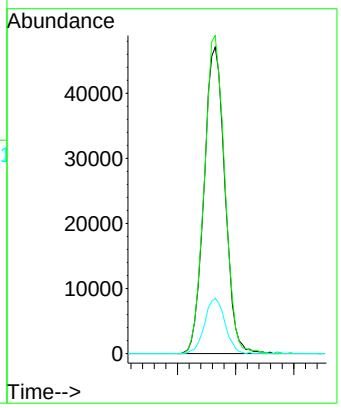


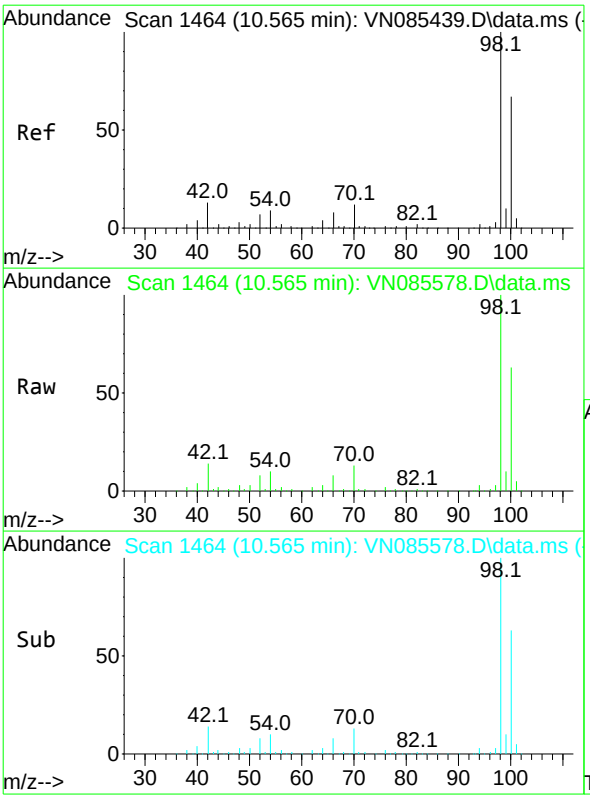


#35
Dibromofluoromethane
Concen: 53.679 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085578.D
Acq: 30 Jan 2025 14:32

Tgt Ion:113 Resp: 117387

Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.7	124.1
192	17.7	14.3	21.5



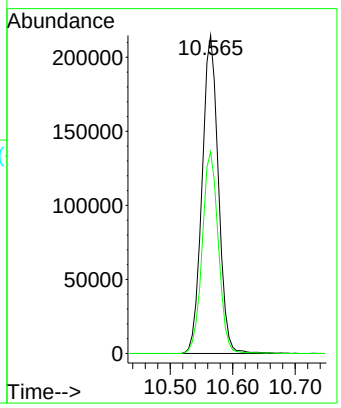


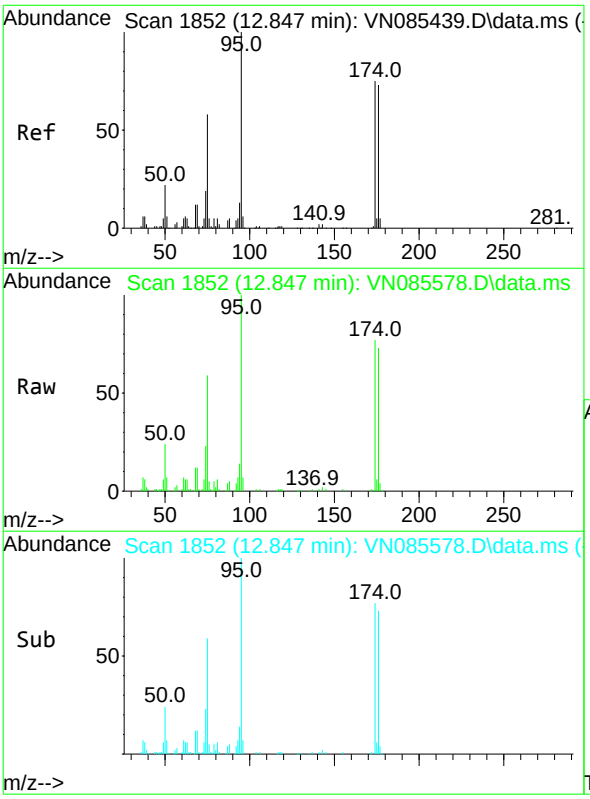
#50
Toluene-d8
Concen: 50.080 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085578.D
Acq: 30 Jan 2025 14:32

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBL01

Tgt Ion: 98 Resp: 389115

Ion	Ratio	Lower	Upper
98	100		
100	62.8	52.2	78.4

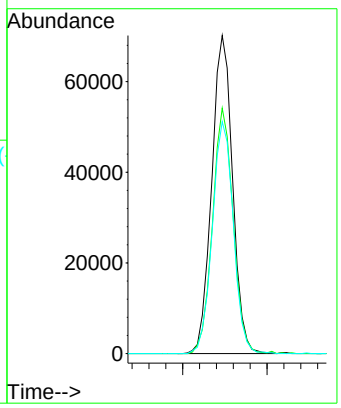


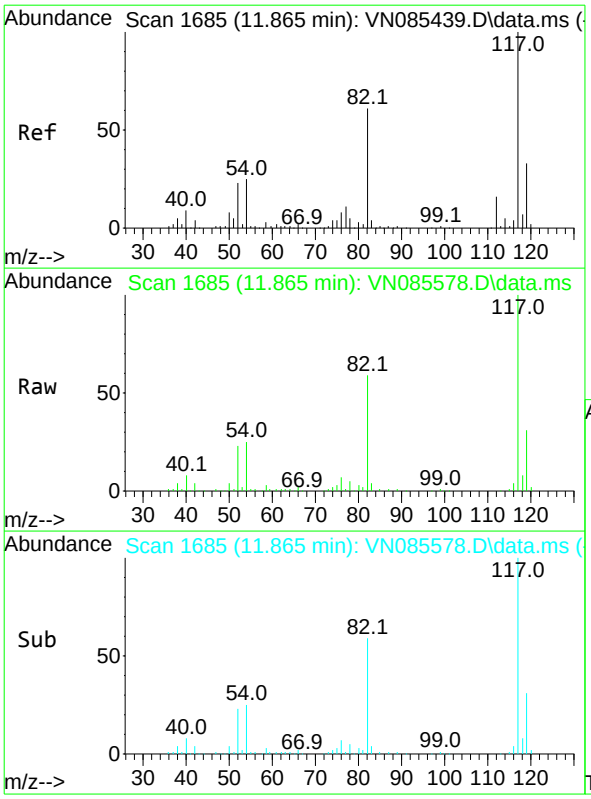


#62
4-Bromofluorobenzene
Concen: 45.306 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085578.D
Acq: 30 Jan 2025 14:32

Tgt Ion: 95 Resp: 120418

Ion	Ratio	Lower	Upper
95	100		
174	76.3	0.0	145.0
176	73.4	0.0	142.4



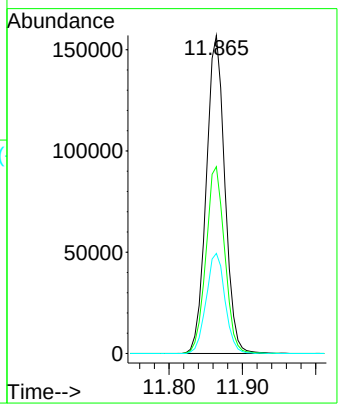


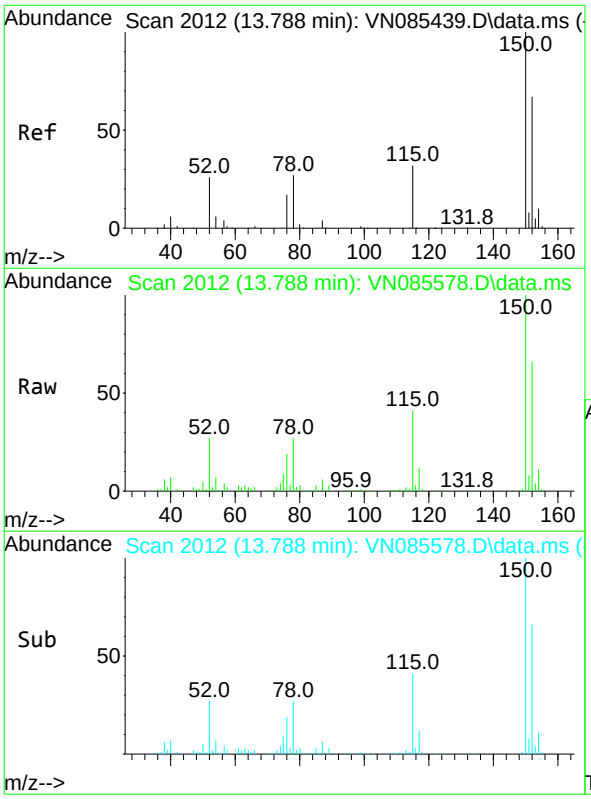
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085578.D
Acq: 30 Jan 2025 14:32

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBL01

Tgt Ion:117 Resp: 275647

Ion	Ratio	Lower	Upper
117	100		
82	58.7	48.6	72.8
119	31.5	26.6	39.8

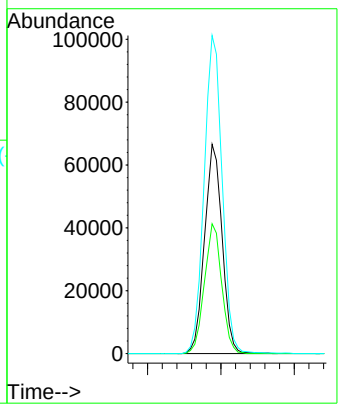




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085578.D
Acq: 30 Jan 2025 14:32

Tgt Ion:152 Resp: 110956

Ion	Ratio	Lower	Upper
152	100		
115	60.7	31.1	93.3
150	155.7	0.0	343.6



LSC Area Percent Report

Sample Results: **VN085578.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013025\
Data File : VN085578.D
Acq On : 30 Jan 2025 14:32
Operator : JC\MD
Sample : VN0130WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBL01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Title : SW846 8260

Signal : TIC: VN085578.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.165	1046	1056	1060	rBV	162513	386245	36.43%	7.078%
2	8.224	1060	1066	1076	rVB	253391	561535	52.96%	10.291%
3	8.577	1116	1126	1136	rBV	184702	413929	39.04%	7.586%
4	9.100	1206	1215	1224	rBV	394101	786054	74.13%	14.405%
5	10.565	1455	1464	1478	rBV	590744	1060342	100.00%	19.432%
6	11.865	1677	1685	1697	rBV	512260	907763	85.61%	16.636%
7	12.847	1845	1852	1863	rBV	374631	632053	59.61%	11.583%
8	13.788	2004	2012	2020	rBV	424559	708811	66.85%	12.990%

Sum of corrected areas: 5456732

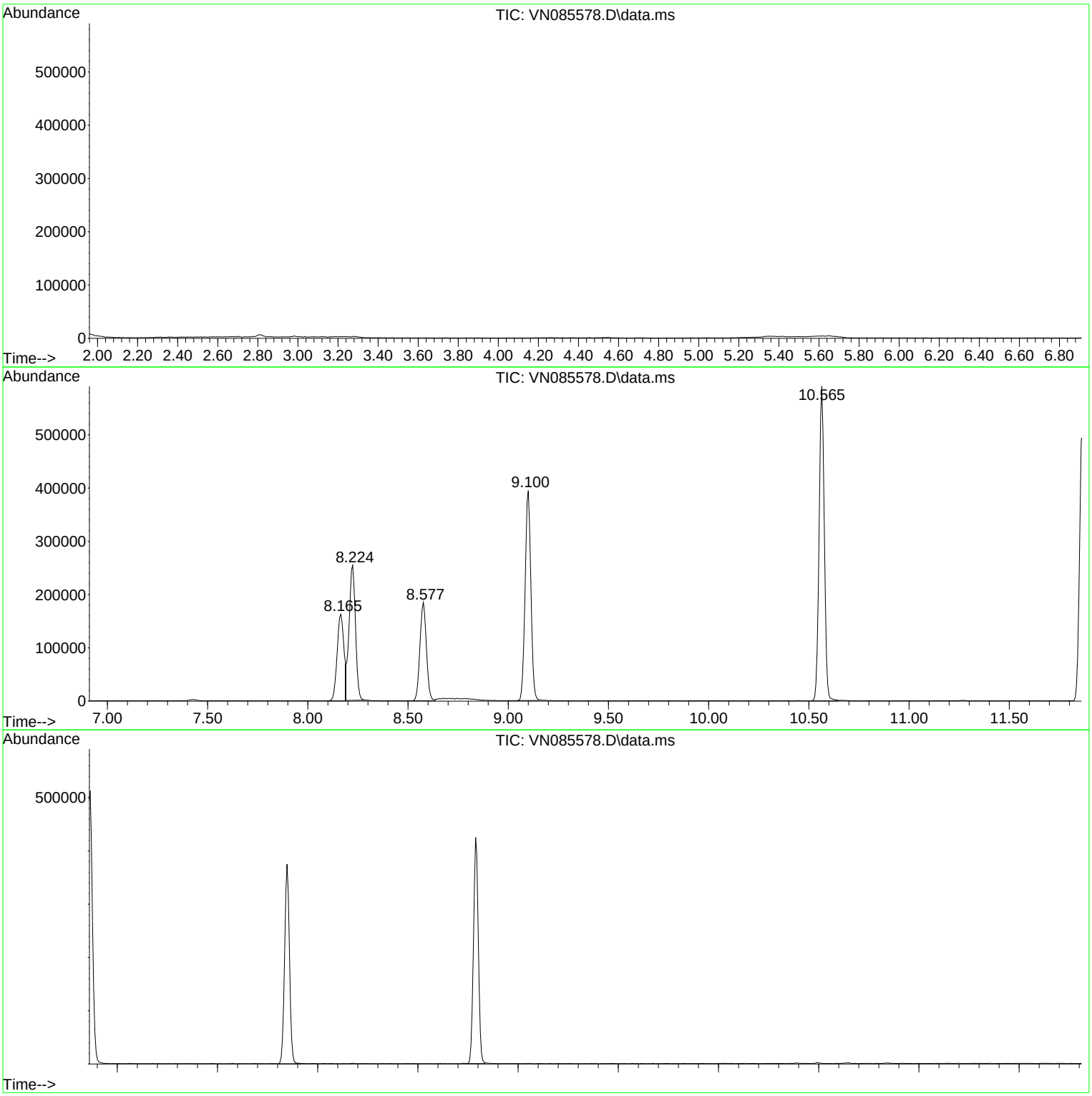
Sample Results: **VN085578.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013025\
Data File : VN085578.D
Acq On : 30 Jan 2025 14:32
Operator : JC\MD
Sample : VN0130WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VN085578.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013025\
Data File : VN085578.D
Acq On : 30 Jan 2025 14:32
Operator : JC\MD
Sample : VN0130WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013025\
Data File : VN085578.D
Acq On : 30 Jan 2025 14:32
Operator : JC\MD
Sample : VN0130WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

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

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

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

Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	VN0131WBL01	SDG No.:	Q1211
Lab Sample ID:	VN0131WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085592.D	1		01/31/25 10:42	VN013125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	5.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	5.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	5.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.50	U	0.56	0.50	5.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	5.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	25.0	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	5.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	5.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	5.00	ug/L
110-82-7	Cyclohexane	3.80	U	1.60	3.80	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.50	U	0.25	0.50	5.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	5.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.75	U	0.19	0.75	5.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	5.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.75	U	0.24	0.75	5.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	5.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	5.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	25.0	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	5.00	ug/L

Raw Data: **VN085592.D**

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

Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	VN0131WBL01	SDG No.:	Q1211
Lab Sample ID:	VN0131WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085592.D	1		01/31/25 10:42	VN013125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	5.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	25.0	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	5.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	5.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	5.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	5.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	5.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	10.0	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	5.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	5.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	5.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	2.00	U	0.46	2.00	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.50	U	0.51	0.50	5.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	57.3		81 - 118		115%	SPK: 50
1868-53-7	Dibromofluoromethane	54.1		80 - 119		108%	SPK: 50
2037-26-5	Toluene-d8	49.7		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.4		85 - 114		91%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	164000	8.224				
540-36-3	1,4-Difluorobenzene	305000	9.1				
3114-55-4	Chlorobenzene-d5	267000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	105000	13.788				

Raw Data: **VN085592.D**

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

Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	VN0131WBL01	SDG No.:	Q1211
Lab Sample ID:	VN0131WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085592.D	1		01/31/25 10:42	VN013125

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_N\Data\VN013125\
Data File : VN085592.D
Acq On : 31 Jan 2025 10:42
Operator : JC\MD
Sample : VN0131WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0131WBL01

Quant Time: Jan 31 22:24:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	163540	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	304758	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	267449	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	104737	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	151392	57.348	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.700%			
35) Dibromofluoromethane	8.165	113	114315	54.068	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.140%			
50) Toluene-d8	10.565	98	373656	49.741	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.480%			
62) 4-Bromofluorobenzene	12.847	95	116594	45.373	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 90.740%			

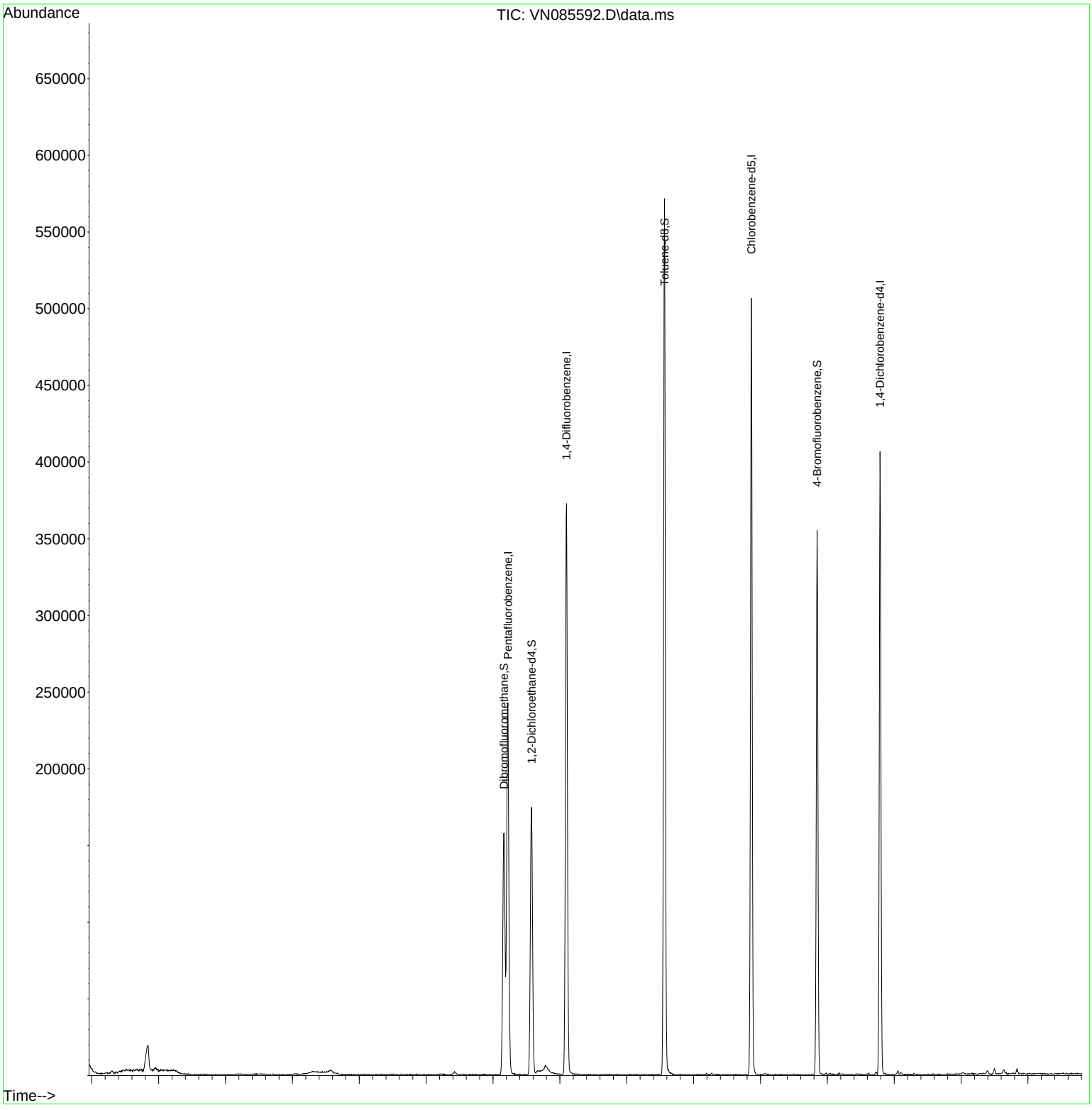
Target Compounds Qvalue

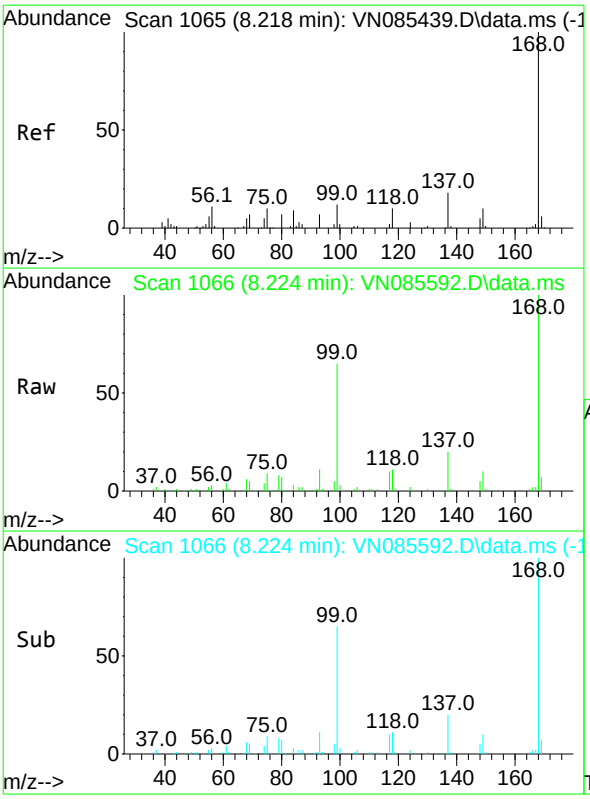
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013125\
Data File : VN085592.D
Acq On : 31 Jan 2025 10:42
Operator : JC\MD
Sample : VN0131WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0131WBL01

Quant Time: Jan 31 22:24:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration



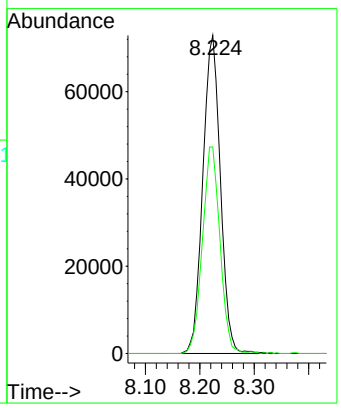


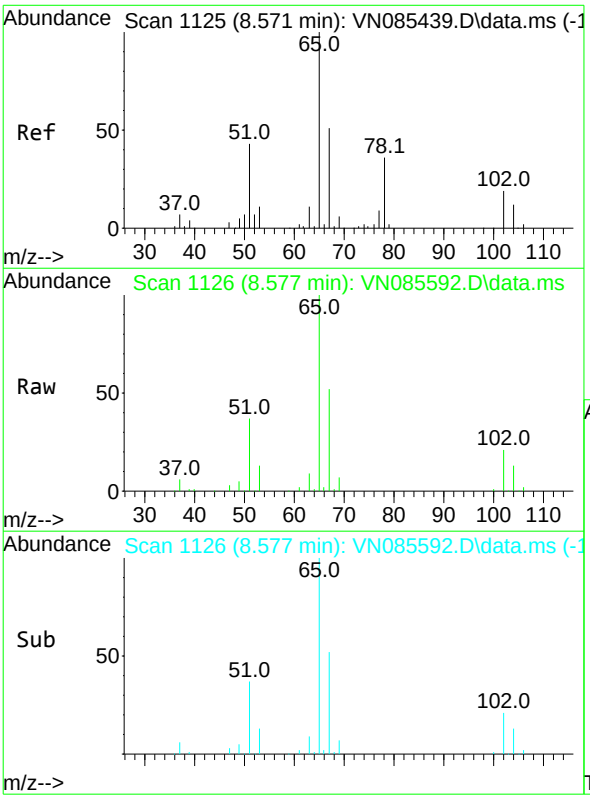
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085592.D
Acq: 31 Jan 2025 10:42

Instrument :
MSVOA_N
ClientSampleId :
VN0131WBL01

Tgt Ion:168 Resp: 163540

Ion	Ratio	Lower	Upper
168	100		
99	64.9	53.6	80.4

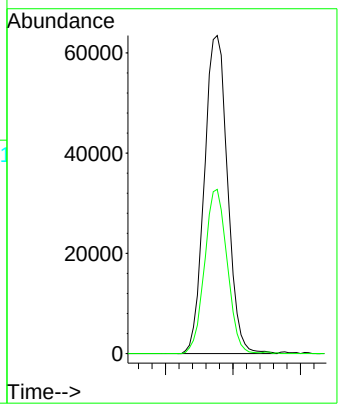


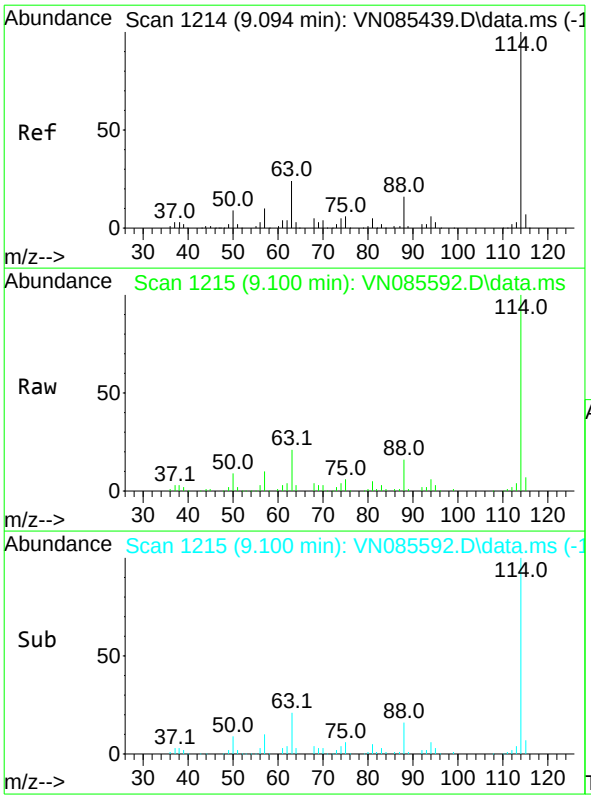


#33
1,2-Dichloroethane-d4
Concen: 57.348 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085592.D
Acq: 31 Jan 2025 10:42

Tgt Ion: 65 Resp: 151392

Ion	Ratio	Lower	Upper
65	100		
67	50.2	0.0	101.6



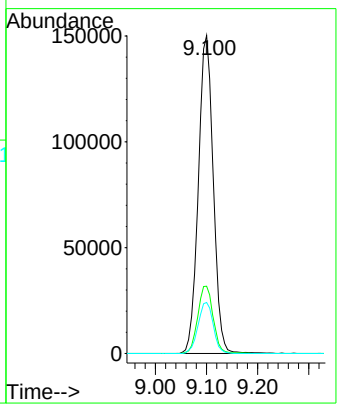


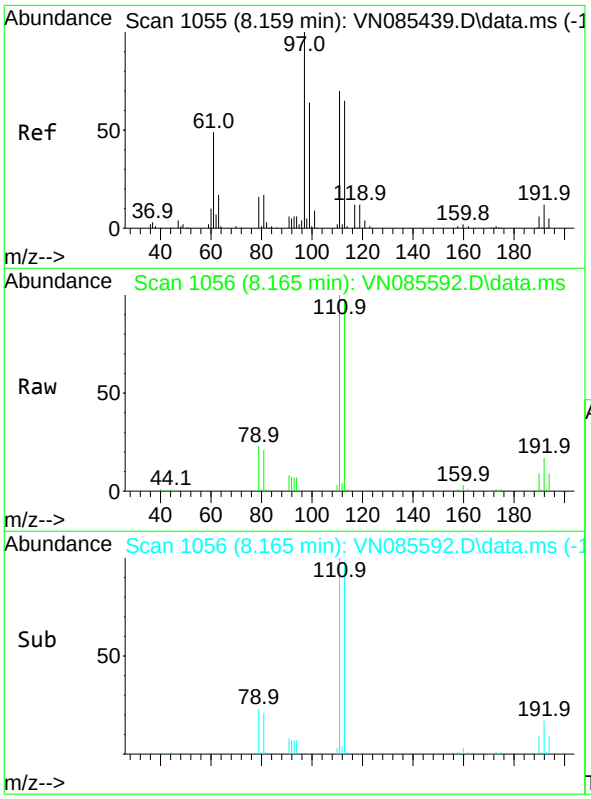
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.006 min
Lab File: VN085592.D
Acq: 31 Jan 2025 10:42

Instrument :
MSVOA_N
ClientSampleId :
VN0131WBL01

Tgt Ion:114 Resp: 304758

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	47.6
88	16.0	0.0	32.6

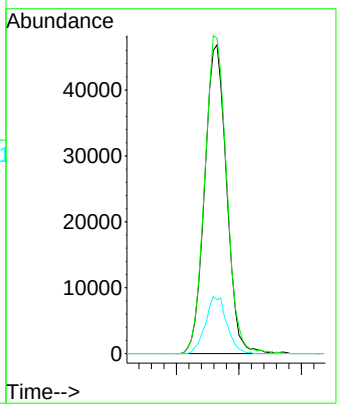


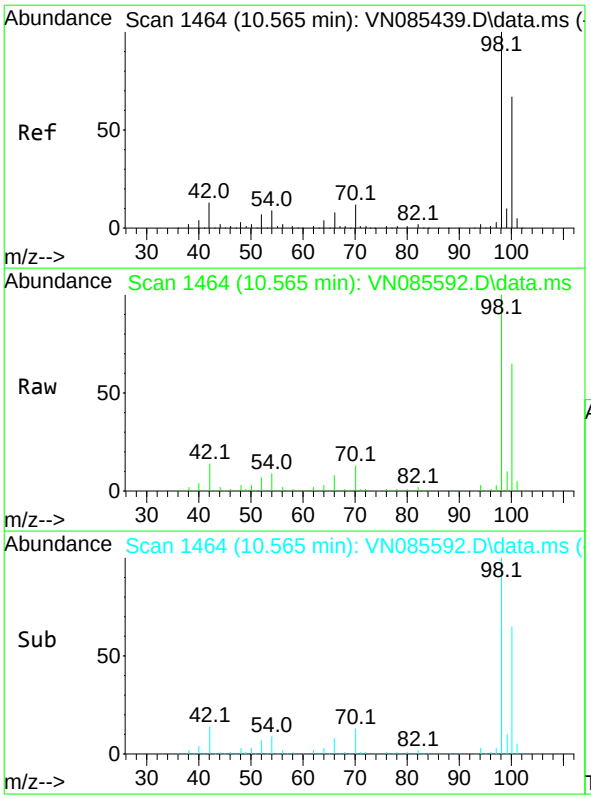


#35
Dibromofluoromethane
Concen: 54.068 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085592.D
Acq: 31 Jan 2025 10:42

Tgt Ion:113 Resp: 114315

Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.7	124.1
192	18.0	14.3	21.5



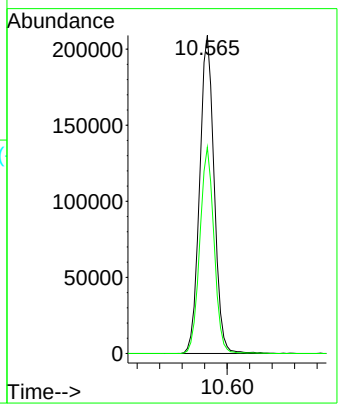


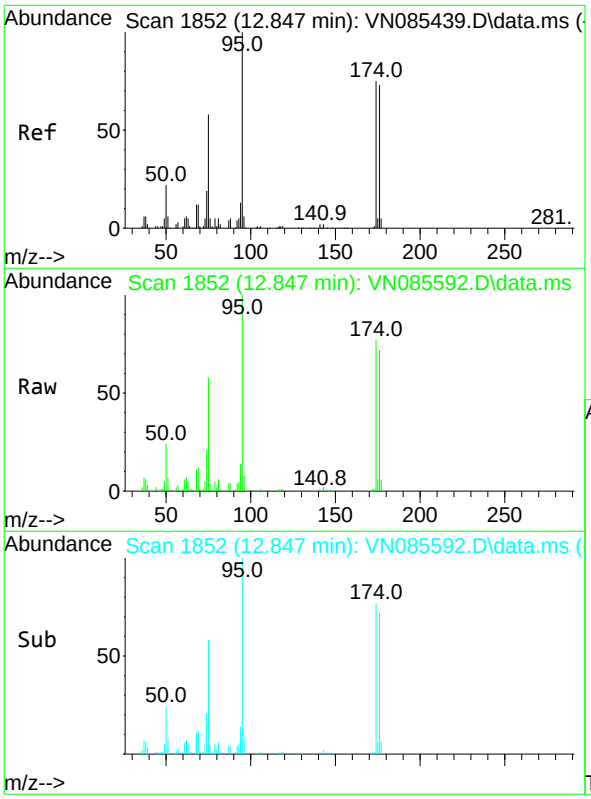
#50
Toluene-d8
Concen: 49.741 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085592.D
Acq: 31 Jan 2025 10:42

Instrument :
MSVOA_N
ClientSampleId :
VN0131WBL01

Tgt Ion: 98 Resp: 373656

Ion	Ratio	Lower	Upper
98	100		
100	63.7	52.2	78.4

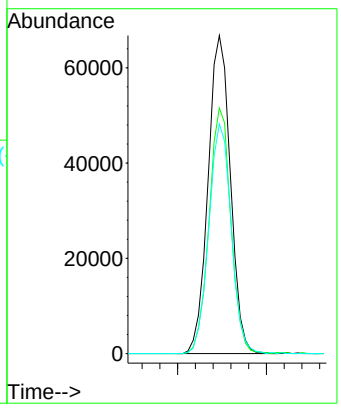


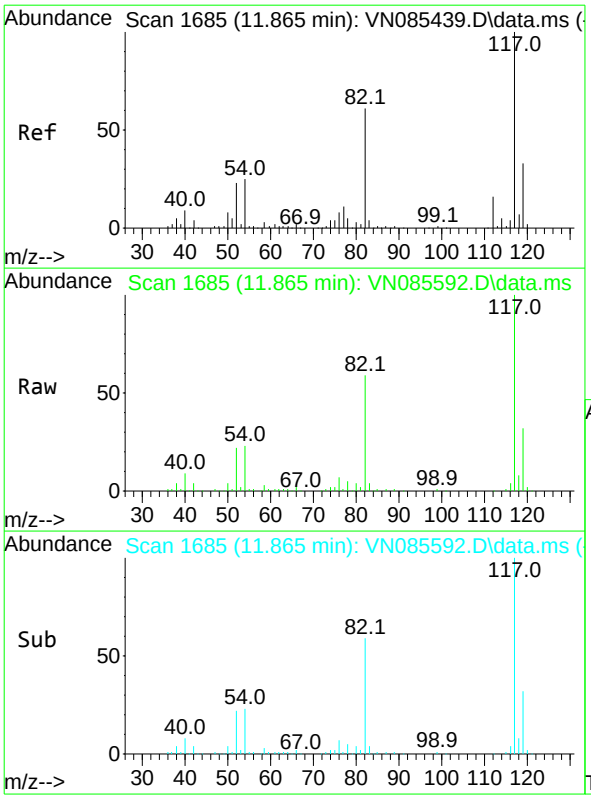


#62
4-Bromofluorobenzene
Concen: 45.373 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085592.D
Acq: 31 Jan 2025 10:42

Tgt Ion: 95 Resp: 116594

Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	145.0
176	72.4	0.0	142.4



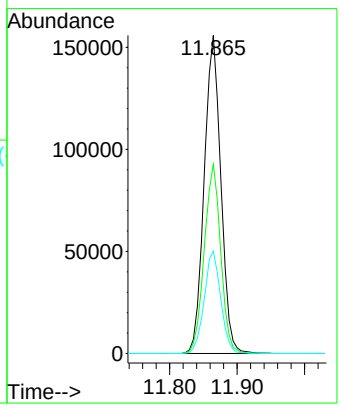


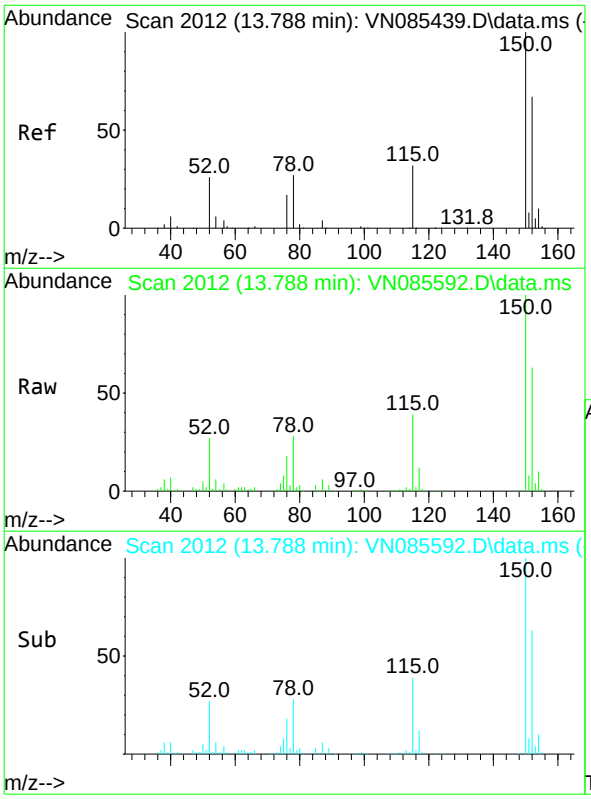
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085592.D
Acq: 31 Jan 2025 10:42

Instrument :
MSVOA_N
ClientSampleId :
VN0131WBL01

Tgt Ion:117 Resp: 267449

Ion	Ratio	Lower	Upper
117	100		
82	59.4	48.6	72.8
119	32.2	26.6	39.8

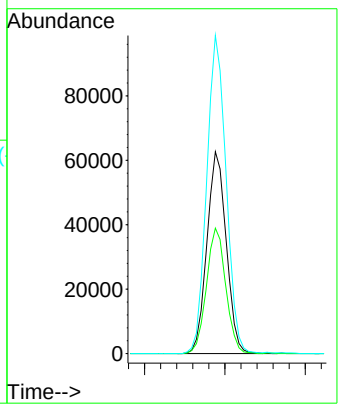




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085592.D
Acq: 31 Jan 2025 10:42

Tgt Ion:152 Resp: 104737

Ion	Ratio	Lower	Upper
152	100		
115	62.0	31.1	93.3
150	158.0	0.0	343.6



Sample Results: **VN085592.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013125\
Data File : VN085592.D
Acq On : 31 Jan 2025 10:42
Operator : JC\MD
Sample : VN0131WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0131WBL01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Title : SW846 8260

Signal : TIC: VN085592.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.842	139	151	159	rBV7	16497	54176	5.32%	1.018%
2	8.165	1046	1056	1060	rBV	157352	377807	37.12%	7.096%
3	8.224	1060	1066	1077	rVB	241801	544031	53.45%	10.218%
4	8.577	1115	1126	1137	rBV	174361	403753	39.67%	7.583%
5	9.100	1205	1215	1230	rBV	372142	761456	74.81%	14.302%
6	10.565	1455	1464	1473	rBV	571243	1017848	100.00%	19.117%
7	11.865	1677	1685	1698	rBV	506279	876407	86.10%	16.461%
8	12.847	1844	1852	1862	rBV	354855	605089	59.45%	11.365%
9	13.788	2005	2012	2022	rBV	406257	683659	67.17%	12.841%

Sum of corrected areas: 5324226

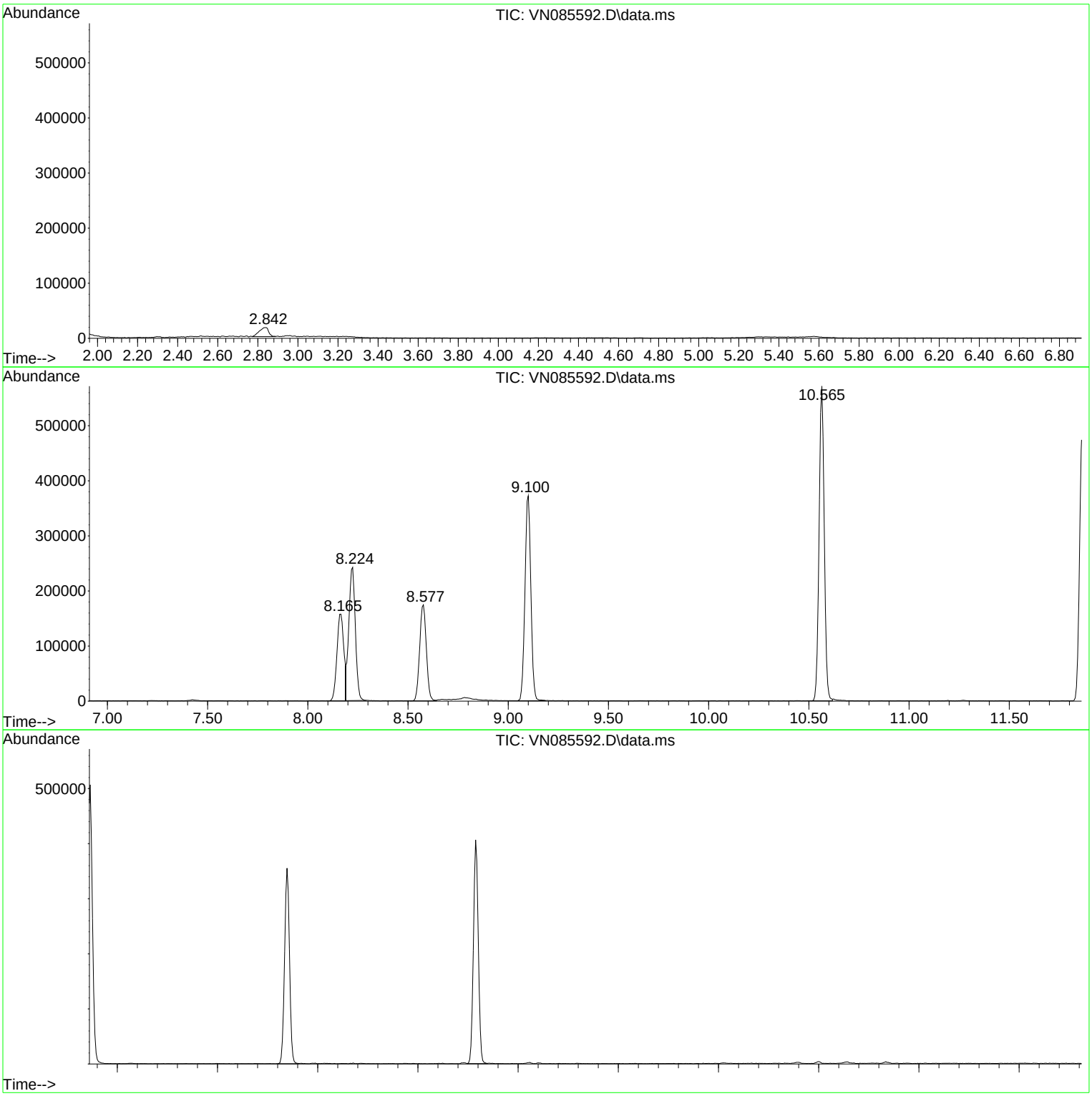
Sample Results: **VN085592.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013125\
Data File : VN085592.D
Acq On : 31 Jan 2025 10:42
Operator : JC\MD
Sample : VN0131WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0131WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VN085592.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013125\
Data File : VN085592.D
Acq On : 31 Jan 2025 10:42
Operator : JC\MD
Sample : VN0131WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0131WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013125\
Data File : VN085592.D
Acq On : 31 Jan 2025 10:42
Operator : JC\MD
Sample : VN0131WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0131WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

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

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

Raw Data: **VN085579.D**

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

Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	VN0130WBS01	SDG No.:	Q1211
Lab Sample ID:	VN0130WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085579.D	1		01/30/25 14:56	VN013025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	16.6		0.21	0.50	5.00	ug/L
74-87-3	Chloromethane	17.0		0.35	0.50	5.00	ug/L
75-01-4	Vinyl Chloride	17.2		0.34	0.75	5.00	ug/L
74-83-9	Bromomethane	18.2		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	18.8		0.56	0.50	5.00	ug/L
75-69-4	Trichlorofluoromethane	19.2		0.34	0.50	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.2		0.25	0.50	5.00	ug/L
75-35-4	1,1-Dichloroethene	18.7		0.26	0.75	5.00	ug/L
67-64-1	Acetone	110		1.40	3.80	25.0	ug/L
75-15-0	Carbon Disulfide	15.2		0.32	0.75	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.1		0.16	0.50	5.00	ug/L
79-20-9	Methyl Acetate	23.3		0.60	0.75	5.00	ug/L
75-09-2	Methylene Chloride	19.3		0.32	0.50	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.7		0.25	0.50	5.00	ug/L
75-34-3	1,1-Dichloroethane	19.7		0.23	0.50	5.00	ug/L
110-82-7	Cyclohexane	17.0		1.60	3.80	5.00	ug/L
78-93-3	2-Butanone	110		1.30	2.50	25.0	ug/L
56-23-5	Carbon Tetrachloride	19.4		0.25	0.50	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.0		0.25	0.50	5.00	ug/L
74-97-5	Bromochloromethane	18.9		0.18	0.50	5.00	ug/L
67-66-3	Chloroform	20.0		0.26	0.50	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.0		0.19	0.75	5.00	ug/L
108-87-2	Methylcyclohexane	16.9		0.19	0.50	5.00	ug/L
71-43-2	Benzene	19.4		0.16	0.50	5.00	ug/L
107-06-2	1,2-Dichloroethane	20.6		0.24	0.75	5.00	ug/L
79-01-6	Trichloroethene	19.0		0.32	0.75	5.00	ug/L
78-87-5	1,2-Dichloropropane	19.8		0.19	0.50	5.00	ug/L
75-27-4	Bromodichloromethane	21.0		0.24	0.50	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.75	2.50	25.0	ug/L
108-88-3	Toluene	20.5		0.18	0.50	5.00	ug/L

Raw Data: **VN085579.D**

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

Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	VN0130WBS01	SDG No.:	Q1211
Lab Sample ID:	VN0130WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085579.D	1		01/30/25 14:56	VN013025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	20.0		0.21	0.50	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.2		0.18	0.50	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.4		0.21	0.50	5.00	ug/L
591-78-6	2-Hexanone	110		1.10	2.50	25.0	ug/L
124-48-1	Dibromochloromethane	21.1		0.18	0.50	5.00	ug/L
106-93-4	1,2-Dibromoethane	20.3		0.16	0.50	5.00	ug/L
127-18-4	Tetrachloroethene	20.2		0.25	0.50	5.00	ug/L
108-90-7	Chlorobenzene	20.1		0.13	0.50	5.00	ug/L
100-41-4	Ethyl Benzene	19.6		0.16	0.50	5.00	ug/L
179601-23-1	m/p-Xylenes	41.5		0.31	1.00	10.0	ug/L
95-47-6	o-Xylene	19.9		0.14	0.50	5.00	ug/L
100-42-5	Styrene	20.7		0.16	0.50	5.00	ug/L
75-25-2	Bromoform	21.4		0.21	0.50	5.00	ug/L
98-82-8	Isopropylbenzene	19.6		0.13	0.50	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.1		0.27	0.50	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.1		0.24	0.50	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.1		0.27	0.50	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.0		0.19	0.50	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.6		0.46	2.00	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.0		0.42	0.50	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	17.4		0.51	0.50	5.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.0		81 - 118		106%	SPK: 50
1868-53-7	Dibromofluoromethane	54.7		80 - 119		109%	SPK: 50
2037-26-5	Toluene-d8	54.9		89 - 112		110%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.1		85 - 114		110%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	185000	8.224				
540-36-3	1,4-Difluorobenzene	315000	9.1				
3114-55-4	Chlorobenzene-d5	278000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	135000	13.788				

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

Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	VN0130WBS01	SDG No.:	Q1211
Lab Sample ID:	VN0130WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085579.D	1		01/30/25 14:56	VN013025

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: **VN085579.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013025\
Data File : VN085579.D
Acq On : 30 Jan 2025 14:56
Operator : JC\MD
Sample : VN0130WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 31 02:35:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	185326	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	315495	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	277682	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	135461	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	158446	52.965	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.920%			
35) Dibromofluoromethane	8.165	113	119723	54.699	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.400%			
50) Toluene-d8	10.565	98	426740	54.875	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.740%			
62) 4-Bromofluorobenzene	12.847	95	146690	55.143	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 110.280%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	41584	16.572	ug/l	97
3) Chloromethane	2.360	50	46136	16.981	ug/l	93
4) Vinyl Chloride	2.512	62	46963	17.197	ug/l	96
5) Bromomethane	2.959	94	30051	18.218	ug/l	97
6) Chloroethane	3.118	64	32553	18.803	ug/l	98
7) Trichlorofluoromethane	3.501	101	76107	19.208	ug/l	100
8) Diethyl Ether	3.959	74	23629	17.262	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	42908	19.226	ug/l	99
10) Methyl Iodide	4.595	142	46824	18.321	ug/l	99
11) Tert butyl alcohol	5.512	59	40129	117.147	ug/l	99
12) 1,1-Dichloroethene	4.336	96	37290	18.748	ug/l	89
13) Acrolein	4.171	56	32581	69.675	ug/l	96
14) Allyl chloride	5.024	41	56591	17.534	ug/l	99
15) Acrylonitrile	5.718	53	114435	105.174	ug/l	99
16) Acetone	4.424	43	101509	105.017	ug/l	97
17) Carbon Disulfide	4.706	76	93026	15.190	ug/l	98
18) Methyl Acetate	5.018	43	68492	23.303	ug/l	100
19) Methyl tert-butyl Ether	5.795	73	129976	20.125	ug/l	99
20) Methylene Chloride	5.277	84	46255	19.330	ug/l	95
21) trans-1,2-Dichloroethene	5.783	96	39755	18.703	ug/l	99
22) Diisopropyl ether	6.671	45	147445	20.583	ug/l	97
23) Vinyl Acetate	6.606	43	493576	98.453	ug/l	99
24) 1,1-Dichloroethane	6.571	63	85834	19.650	ug/l	99
25) 2-Butanone	7.483	43	154273	108.457	ug/l	99
26) 2,2-Dichloropropane	7.489	77	72885	20.638	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	47654	19.034	ug/l	98
28) Bromochloromethane	7.806	49	38486	18.938	ug/l	98
29) Tetrahydrofuran	7.836	42	97421	108.026	ug/l	99
30) Chloroform	7.965	83	90458	20.037	ug/l	98
31) Cyclohexane	8.259	56	64403	16.963	ug/l	96
32) 1,1,1-Trichloroethane	8.171	97	79393	20.049	ug/l	97
36) 1,1-Dichloropropene	8.371	75	55806	18.167	ug/l	100
37) Ethyl Acetate	7.559	43	62459	20.144	ug/l	96
38) Carbon Tetrachloride	8.353	117	68396	19.448	ug/l	99
39) Methylcyclohexane	9.600	83	48764	16.893	ug/l	95
40) Benzene	8.600	78	179006	19.394	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013025\
Data File : VN085579.D
Acq On : 30 Jan 2025 14:56
Operator : JC\MD
Sample : VN0130WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 31 02:35:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.771	41	32846	20.362 ug/l	98
42) 1,2-Dichloroethane	8.665	62	71559	20.585 ug/l	100
43) Isopropyl Acetate	8.688	43	108656	21.870 ug/l	97
44) Trichloroethene	9.347	130	40848	19.012 ug/l	91
45) 1,2-Dichloropropane	9.618	63	46660	19.791 ug/l	98
46) Dibromomethane	9.706	93	32958	19.374 ug/l	96
47) Bromodichloromethane	9.883	83	72811	21.009 ug/l	94
48) Methyl methacrylate	9.677	41	46522	20.807 ug/l	98
49) 1,4-Dioxane	9.688	88	16687	443.200 ug/l	99
51) 4-Methyl-2-Pentanone	10.441	43	323878	112.340 ug/l	100
52) Toluene	10.624	92	109688	20.510 ug/l	100
53) t-1,3-Dichloropropene	10.835	75	65474	19.991 ug/l	90
54) cis-1,3-Dichloropropene	10.306	75	70599	20.180 ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	45196	21.354 ug/l	98
56) Ethyl methacrylate	10.871	69	61183	18.429 ug/l	97
57) 1,3-Dichloropropane	11.159	76	75452	20.502 ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	110130	81.997 ug/l	100
59) 2-Hexanone	11.194	43	233248	114.981 ug/l	99
60) Dibromochloromethane	11.353	129	53884	21.088 ug/l	98
61) 1,2-Dibromoethane	11.471	107	42680	20.259 ug/l	100
64) Tetrachloroethene	11.100	164	38298	20.231 ug/l	98
65) Chlorobenzene	11.888	112	122124	20.076 ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	45451	20.358 ug/l	99
67) Ethyl Benzene	11.959	91	194059	19.586 ug/l	98
68) m/p-Xylenes	12.071	106	152047	41.523 ug/l	99
69) o-Xylene	12.394	106	69663	19.907 ug/l	98
70) Styrene	12.406	104	119836	20.692 ug/l	99
71) Bromoform	12.576	173	34230	21.428 ug/l #	99
73) Isopropylbenzene	12.694	105	179178	19.598 ug/l	99
74) N-amyl acetate	12.488	43	83099	20.222 ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	64792	20.063 ug/l	98
76) 1,2,3-Trichloropropane	12.988	75	60099m	21.828 ug/l	
77) Bromobenzene	12.976	156	47435	19.859 ug/l	98
78) n-propylbenzene	13.029	91	214402	19.810 ug/l	100
79) 2-Chlorotoluene	13.124	91	137062	19.567 ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	153722	20.356 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	21238	20.870 ug/l	97
82) 4-Chlorotoluene	13.218	91	140328	20.120 ug/l	99
83) tert-Butylbenzene	13.435	119	122177	19.266 ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	153744	20.427 ug/l	99
85) sec-Butylbenzene	13.612	105	176174	20.044 ug/l	100
86) p-Isopropyltoluene	13.729	119	139790	19.127 ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	88385	20.093 ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	87013	19.084 ug/l	99
89) n-Butylbenzene	14.053	91	113160	17.946 ug/l	100
90) Hexachloroethane	14.329	117	32804	19.605 ug/l	96
91) 1,2-Dichlorobenzene	14.100	146	83310	18.987 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.718	75	12127	20.564 ug/l	100
93) 1,2,4-Trichlorobenzene	15.388	180	36629	17.961 ug/l	98
94) Hexachlorobutadiene	15.500	225	19536	18.044 ug/l	98
95) Naphthalene	15.635	128	101666	16.707 ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	35882	17.389 ug/l	99

Sample Results: **VN085579.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013025\
Data File : VN085579.D
Acq On : 30 Jan 2025 14:56
Operator : JC\MD
Sample : VN0130WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 31 02:35:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

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

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

Sample Results: **VN085579.D**

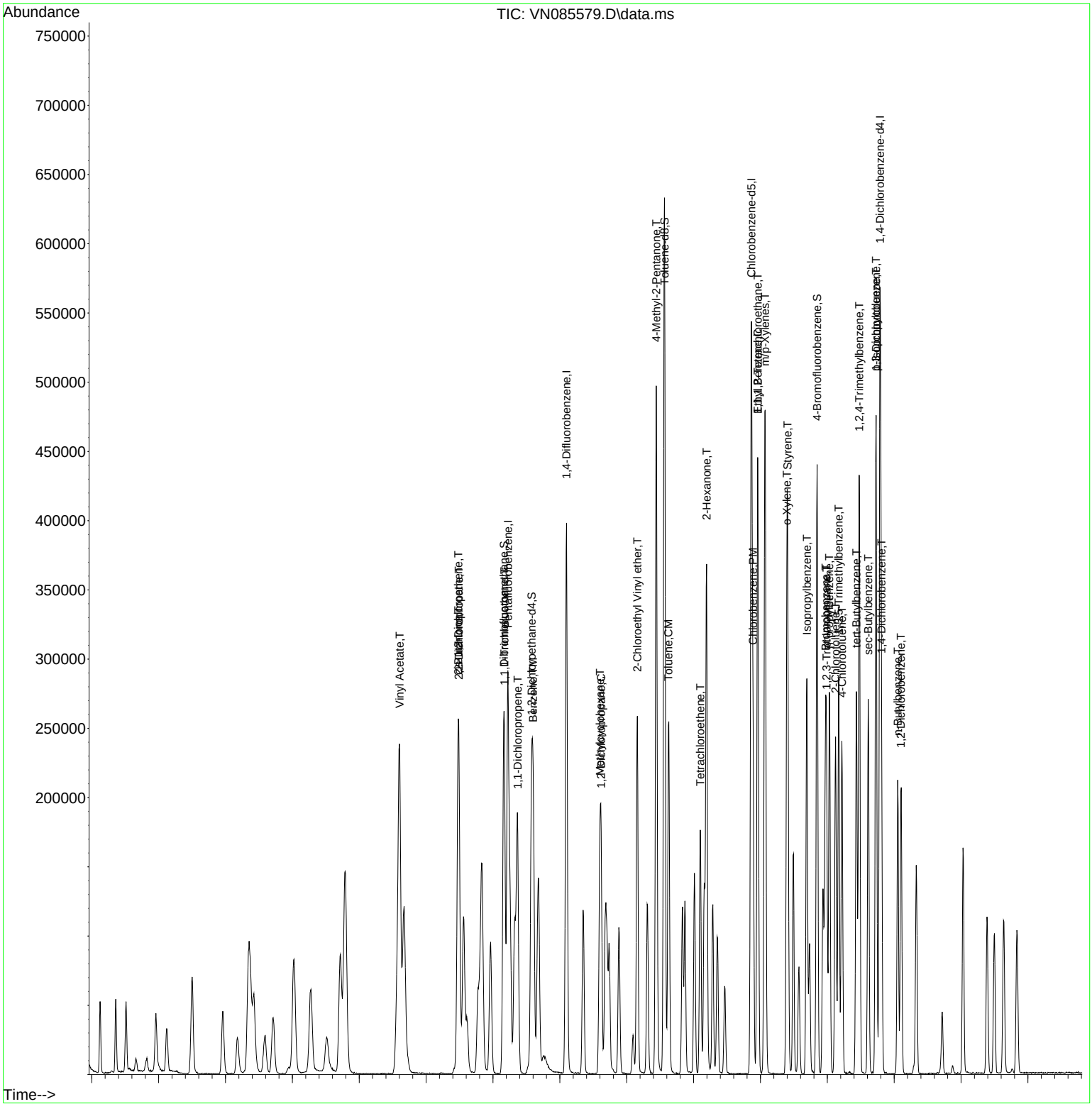
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Data File : VN085579.D
Acq On : 30 Jan 2025 14:56
Operator : JC\MD
Sample : VN0130WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

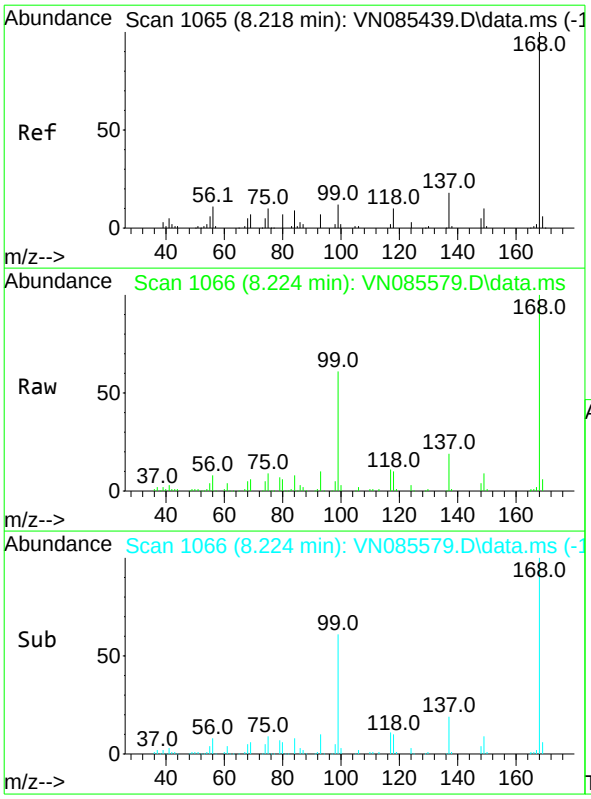
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Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

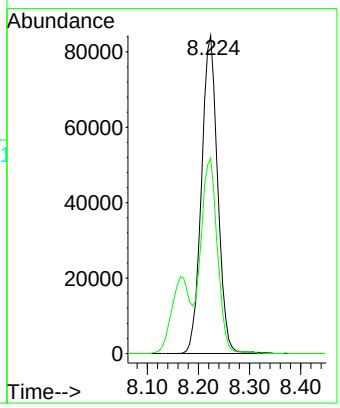




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion:168 Resp: 185326

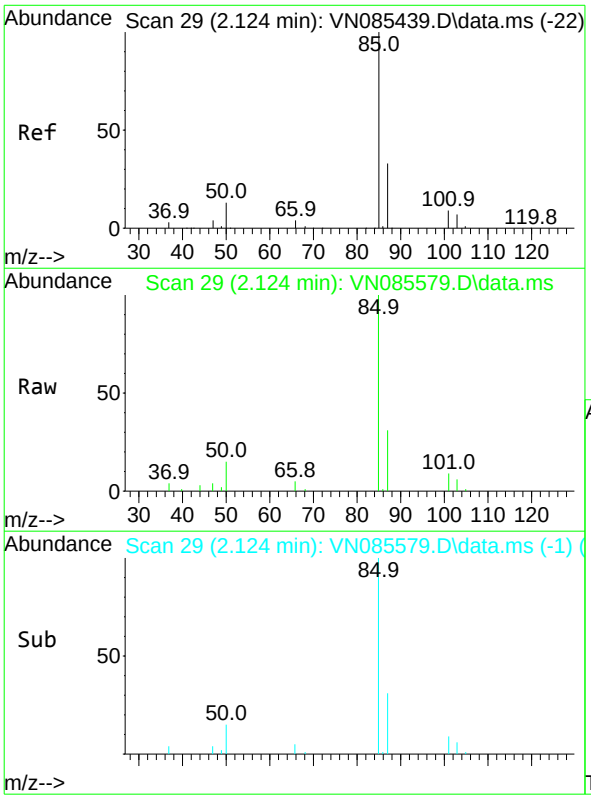
Ion	Ratio	Lower	Upper
168	100		
99	61.4	53.6	80.4



Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

Manual Integrations
APPROVED

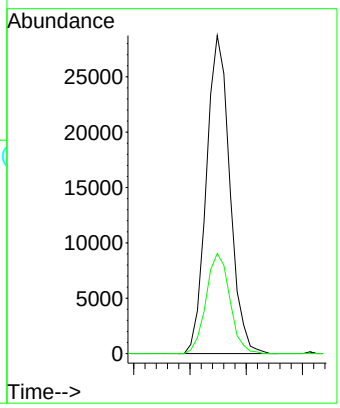
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

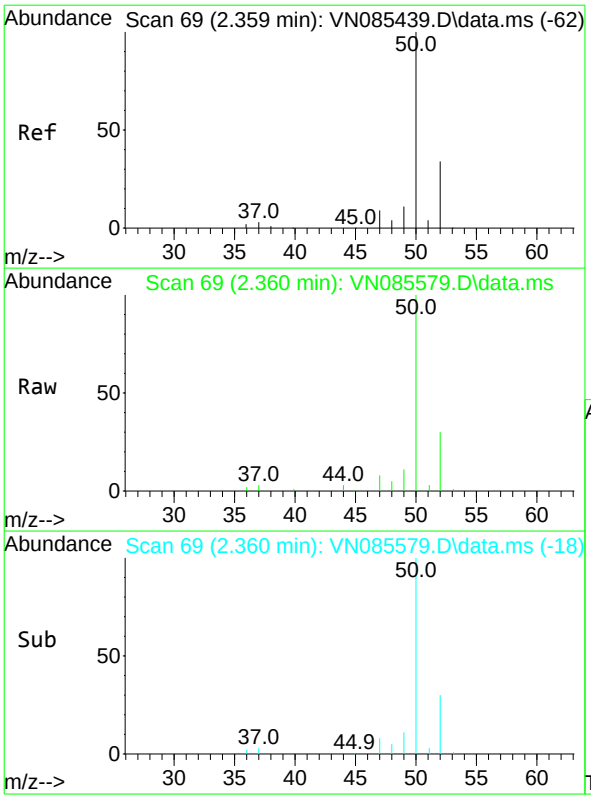


#2
Dichlorodifluoromethane
Concen: 16.572 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion: 85 Resp: 41584

Ion	Ratio	Lower	Upper
85	100		
87	31.5	16.7	50.1

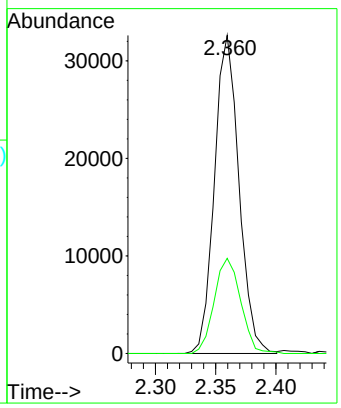




#3
Chloromethane
Concen: 16.981 ug/l
RT: 2.360 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion: 50 Resp: 46136

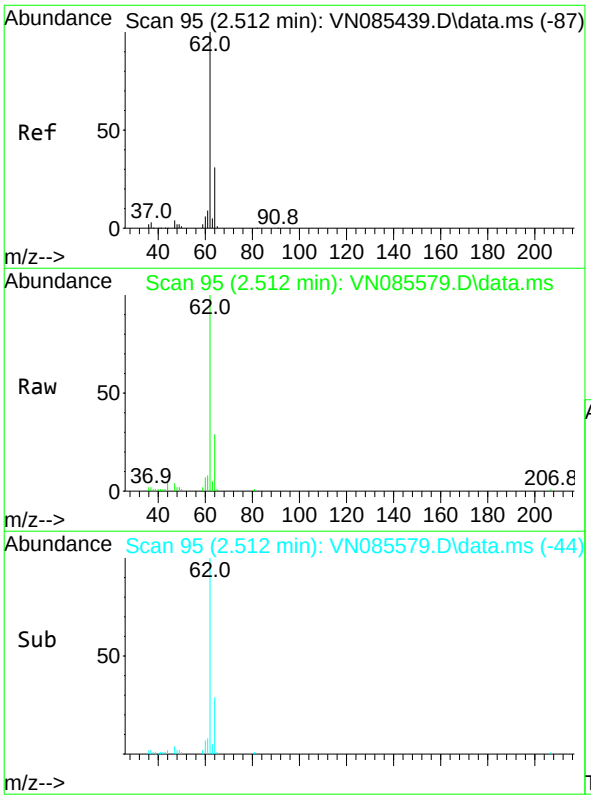
Ion	Ratio	Lower	Upper
50	100		
52	29.9	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

Manual Integrations
APPROVED

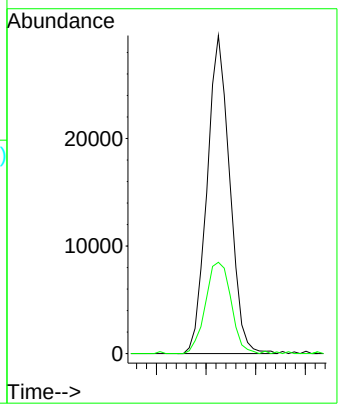
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

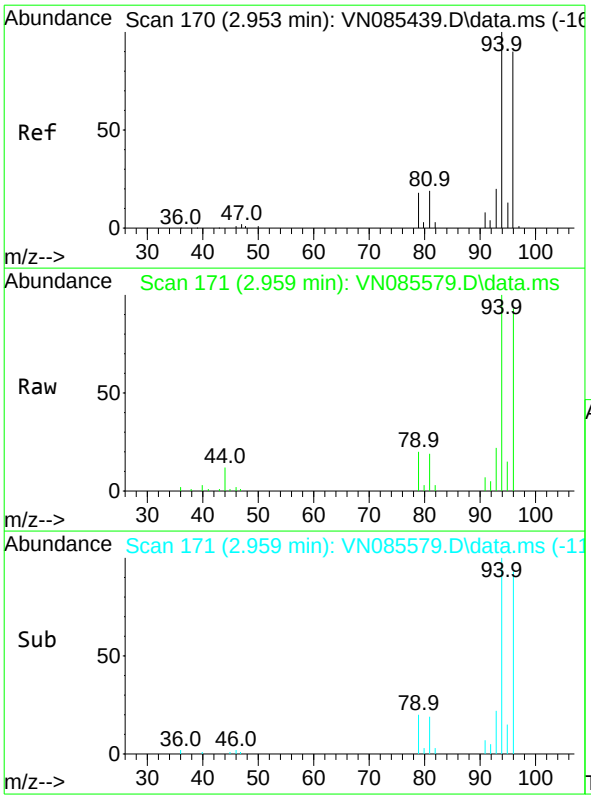


#4
Vinyl Chloride
Concen: 17.197 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion: 62 Resp: 46963

Ion	Ratio	Lower	Upper
62	100		
64	28.7	24.8	37.2





#5
Bromomethane
Concen: 18.218 ug/l
RT: 2.959 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

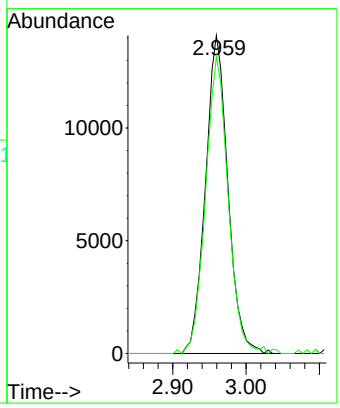
Tgt Ion: 94 Resp: 30051

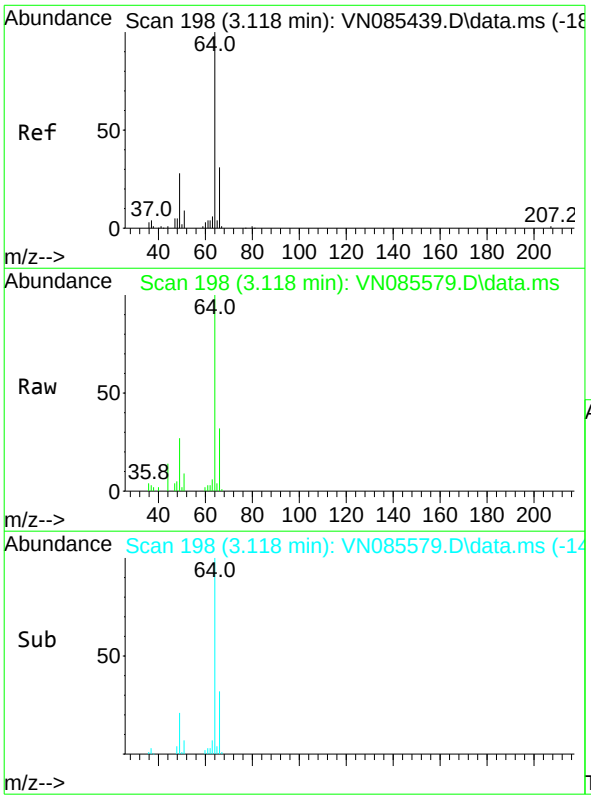
Ion	Ratio	Lower	Upper
94	100		
96	92.2	71.8	107.6

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

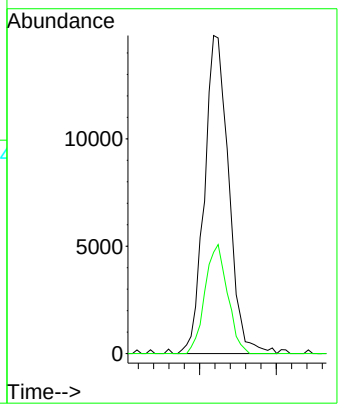


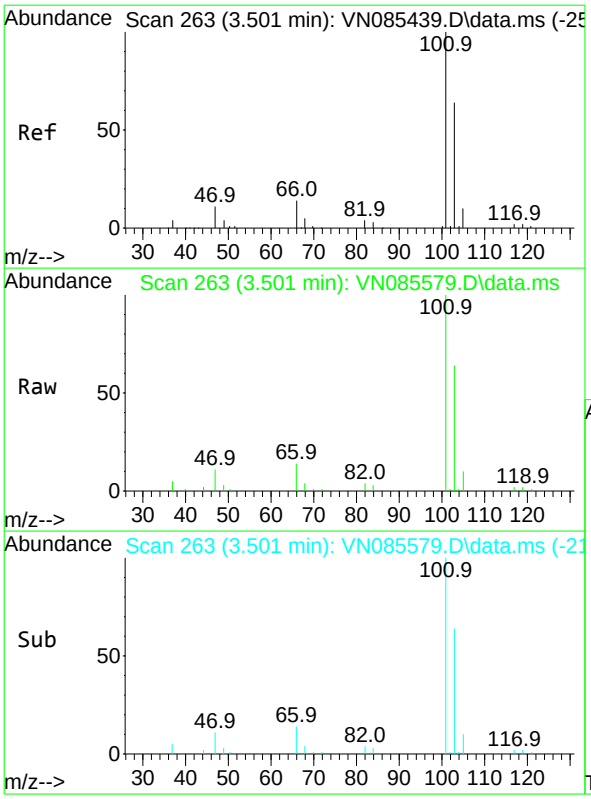


#6
Chloroethane
Concen: 18.803 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion: 64 Resp: 32553

Ion	Ratio	Lower	Upper
64	100		
66	31.9	24.6	36.8

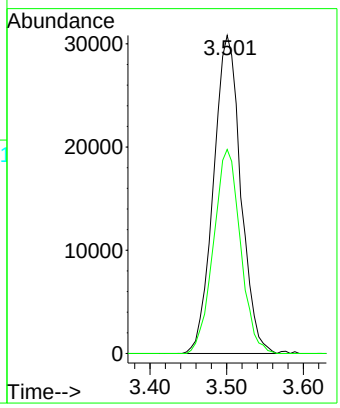




#7
Trichlorofluoromethane
Concen: 19.208 ug/l
RT: 3.501 min Scan# 26
Delta R.T. 0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion:101 Resp: 76107

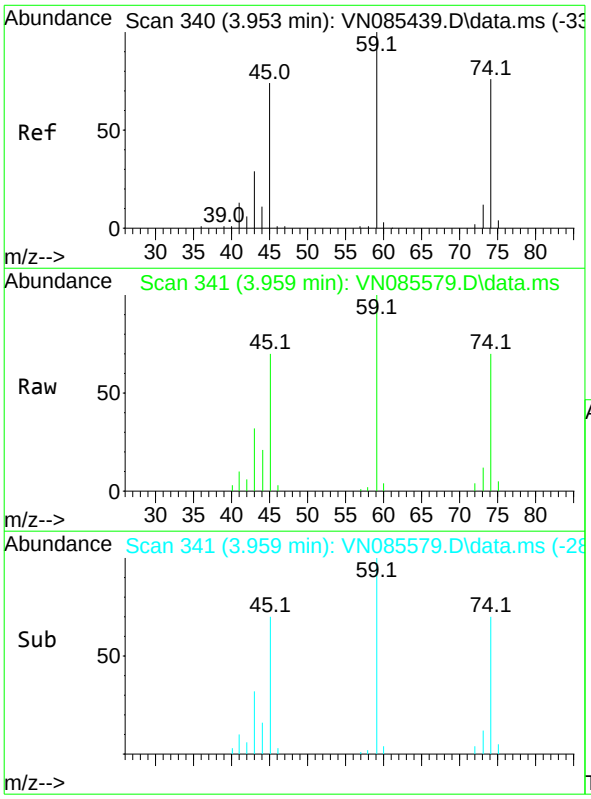
Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.4	77.2



Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

Manual Integrations
APPROVED

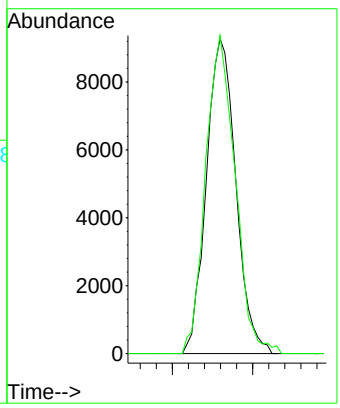
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

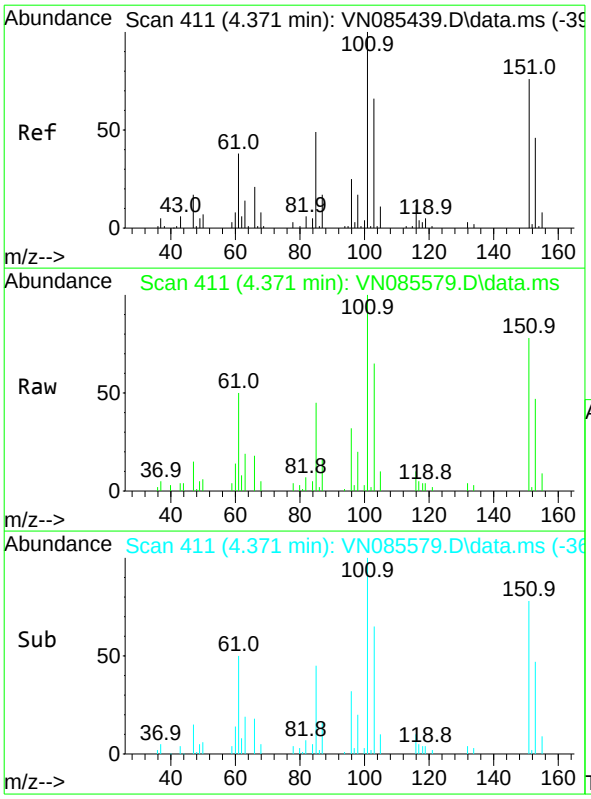


#8
Diethyl Ether
Concen: 17.262 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.006 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion: 74 Resp: 23629

Ion	Ratio	Lower	Upper
74	100		
45	101.1	49.7	149.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.226 ug/l
RT: 4.371 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

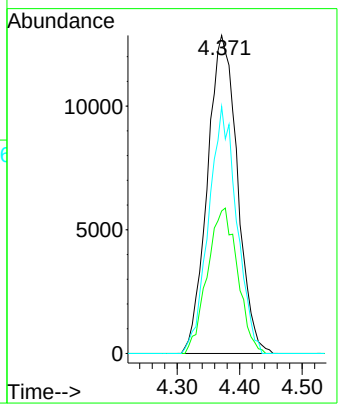
Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

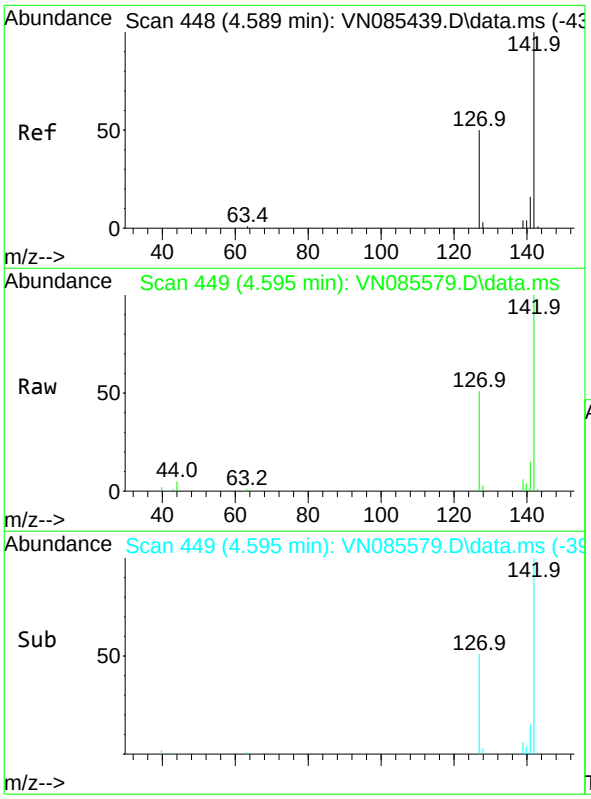
Tgt Ion:101 Resp: 42908

Ion	Ratio	Lower	Upper
101	100		
85	45.9	37.8	56.8
151	72.9	58.8	88.2

Manual Integrations
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Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

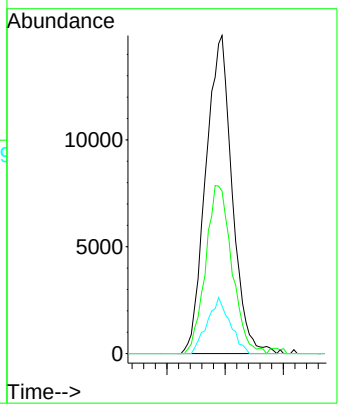


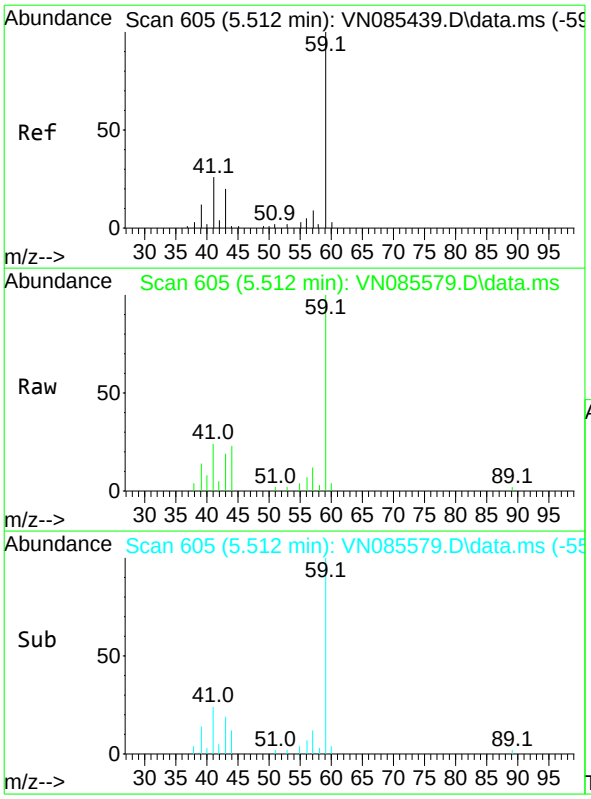


#10
Methyl Iodide
Concen: 18.321 ug/l
RT: 4.595 min Scan# 449
Delta R.T. 0.006 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion:142 Resp: 46824

Ion	Ratio	Lower	Upper
142	100		
127	51.1	40.3	60.5
141	14.9	12.8	19.2

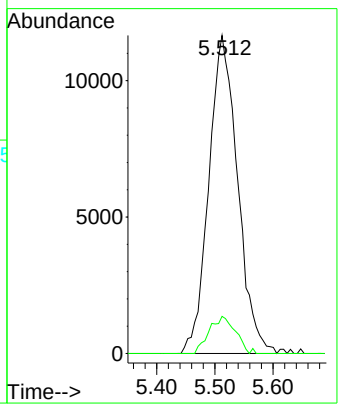




#11
Tert butyl alcohol
Concen: 117.147 ug/l
RT: 5.512 min Scan# 60
Delta R.T. 0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion: 59 Resp: 40129

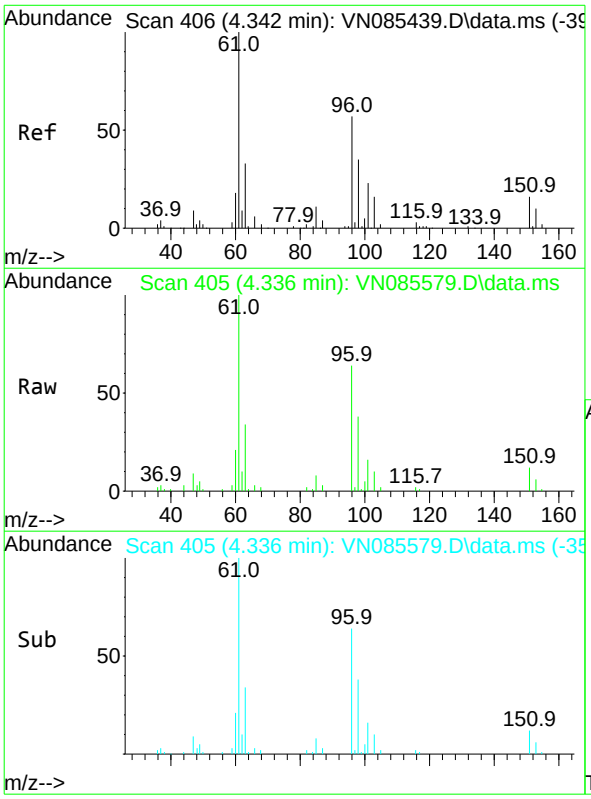
Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.6	13.0



Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

Manual Integrations
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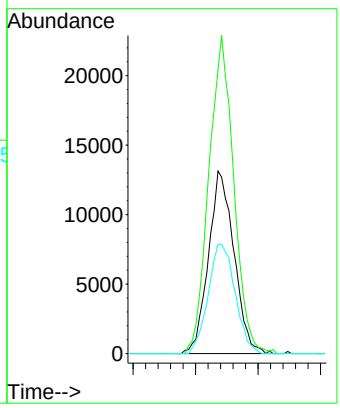
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

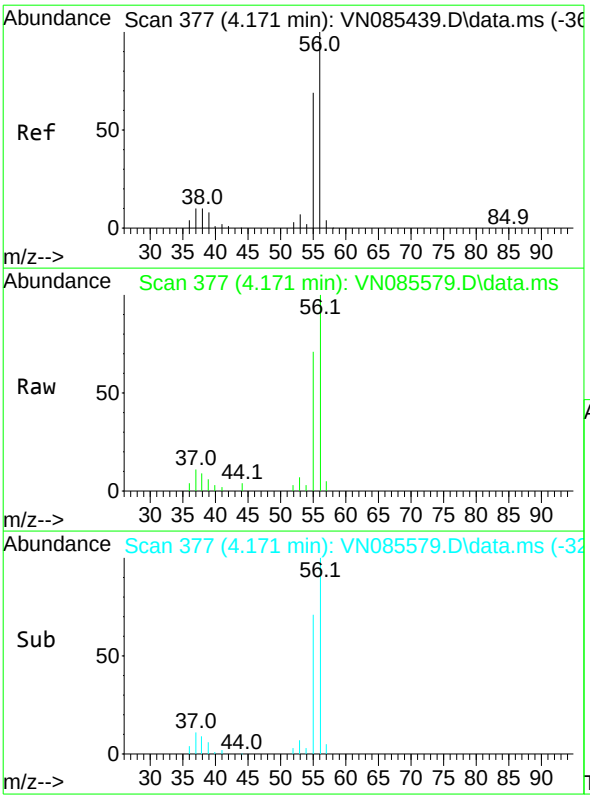


#12
1,1-Dichloroethene
Concen: 18.748 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.006 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion: 96 Resp: 37290

Ion	Ratio	Lower	Upper
96	100		
61	155.7	141.0	211.4
98	59.8	49.0	73.6

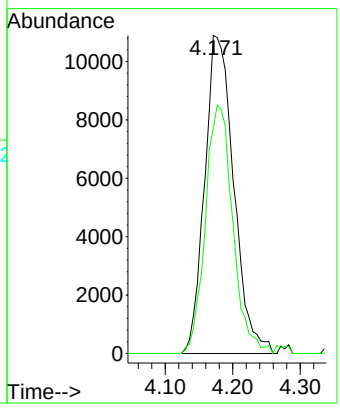




#13
Acrolein
Concen: 69.675 ug/l
RT: 4.171 min Scan# 37
Delta R.T. 0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion: 56 Resp: 32581

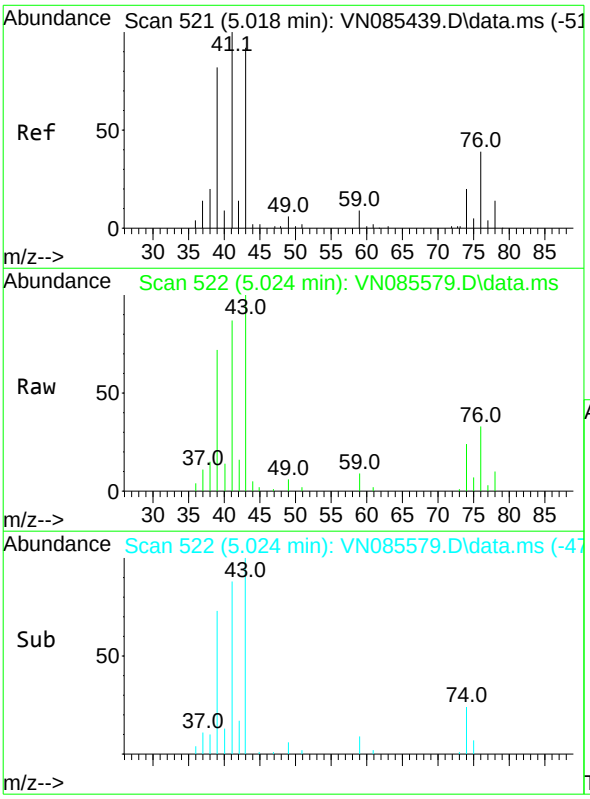
Ion	Ratio	Lower	Upper
56	100		
55	73.6	56.3	84.5



Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

Manual Integrations
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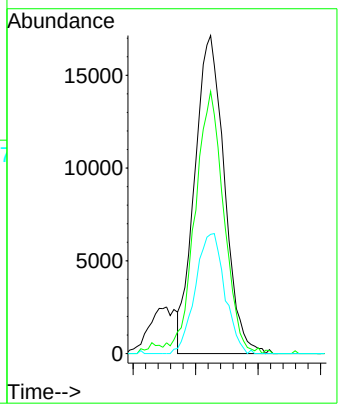
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

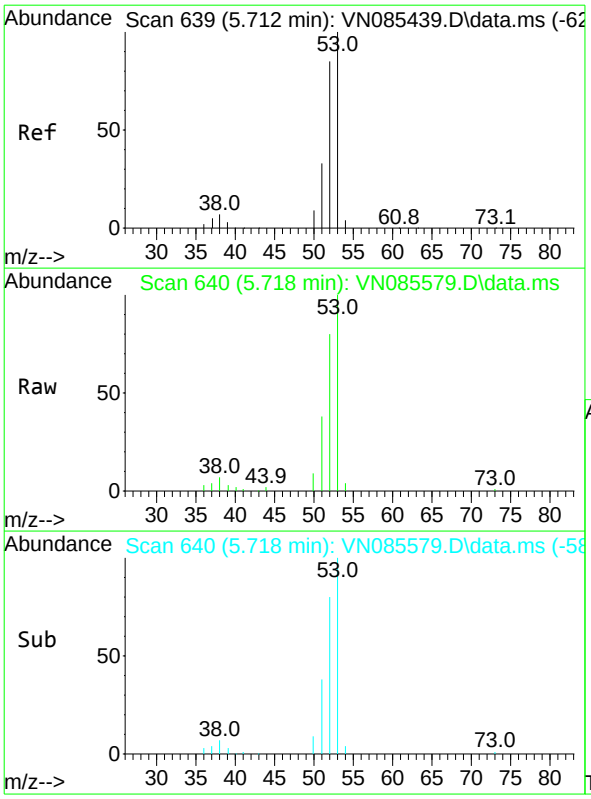


#14
Allyl chloride
Concen: 17.534 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion: 41 Resp: 56591

Ion	Ratio	Lower	Upper
41	100		
39	79.8	64.4	96.6
76	37.3	30.5	45.7

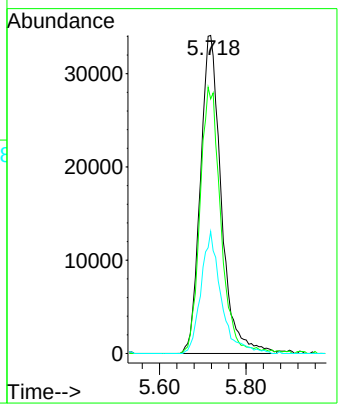




#15
Acrylonitrile
Concen: 105.174 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.006 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion: 53 Resp: 114435

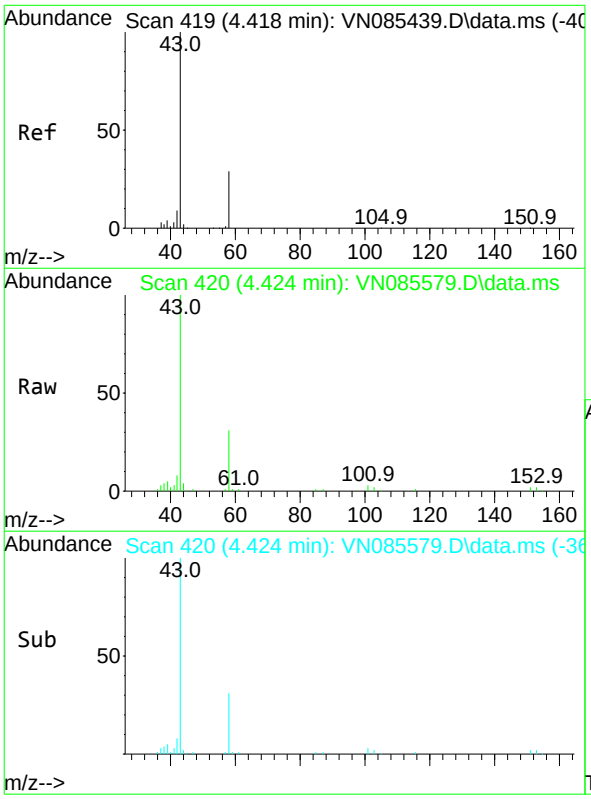
Ion	Ratio	Lower	Upper
53	100		
52	83.3	65.5	98.3
51	37.0	29.8	44.8



Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

Manual Integrations
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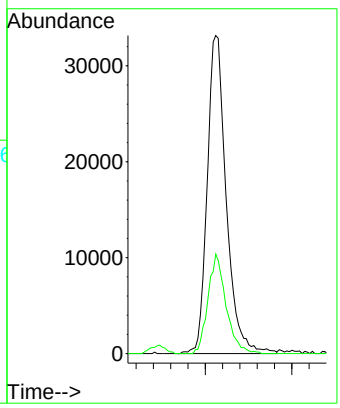
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

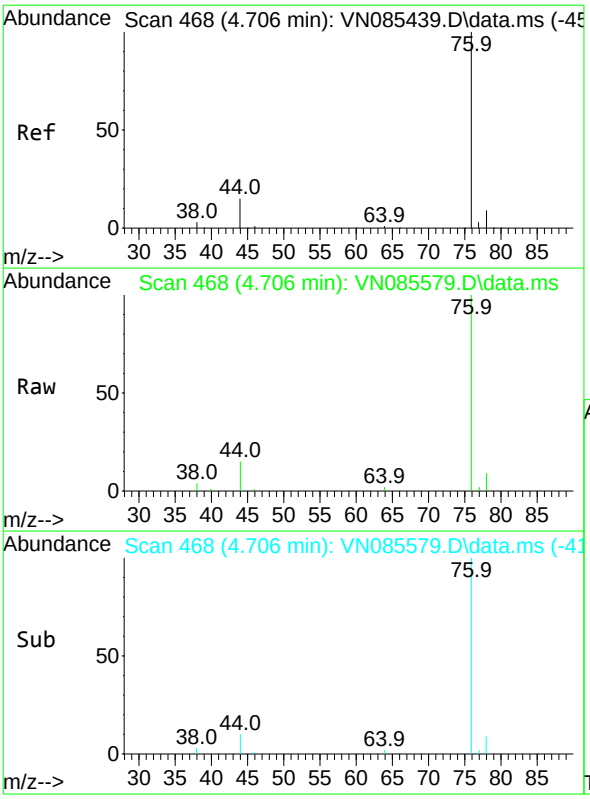


#16
Acetone
Concen: 105.017 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion: 43 Resp: 101509

Ion	Ratio	Lower	Upper
43	100		
58	31.3	23.8	35.6

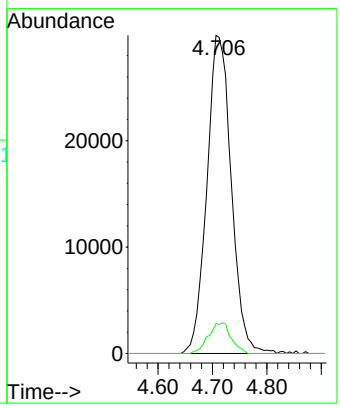




#17
Carbon Disulfide
Concen: 15.190 ug/l
RT: 4.706 min Scan# 46
Delta R.T. 0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion: 76 Resp: 93026

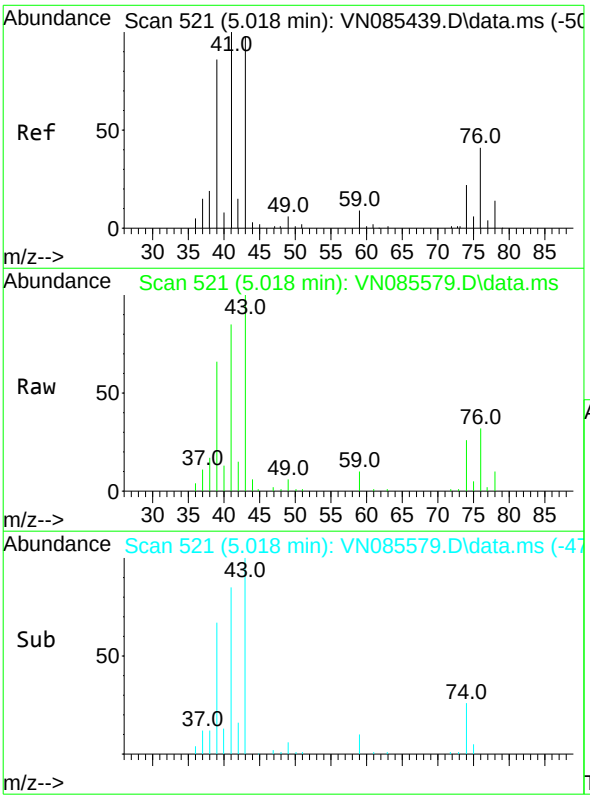
Ion	Ratio	Lower	Upper
76	100		
78	9.4	6.9	10.3



Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

Manual Integrations
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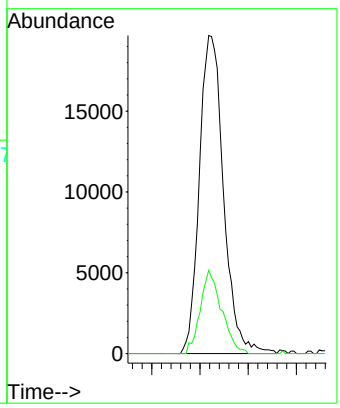
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

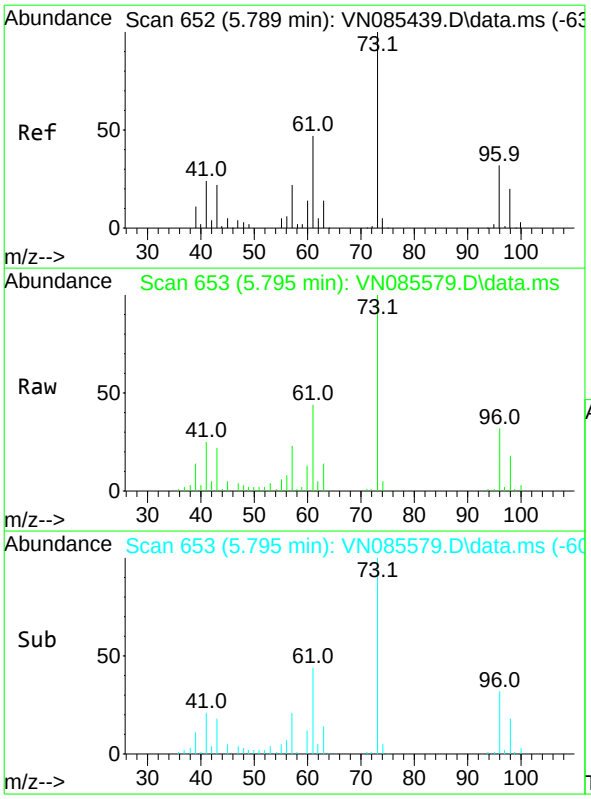


#18
Methyl Acetate
Concen: 23.303 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion: 43 Resp: 68492

Ion	Ratio	Lower	Upper
43	100		
74	23.1	18.6	28.0





#19
Methyl tert-butyl Ether
Concen: 20.125 ug/l
RT: 5.795 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

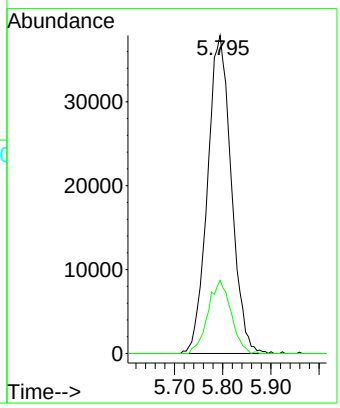
Tgt Ion: 73 Resp: 129976

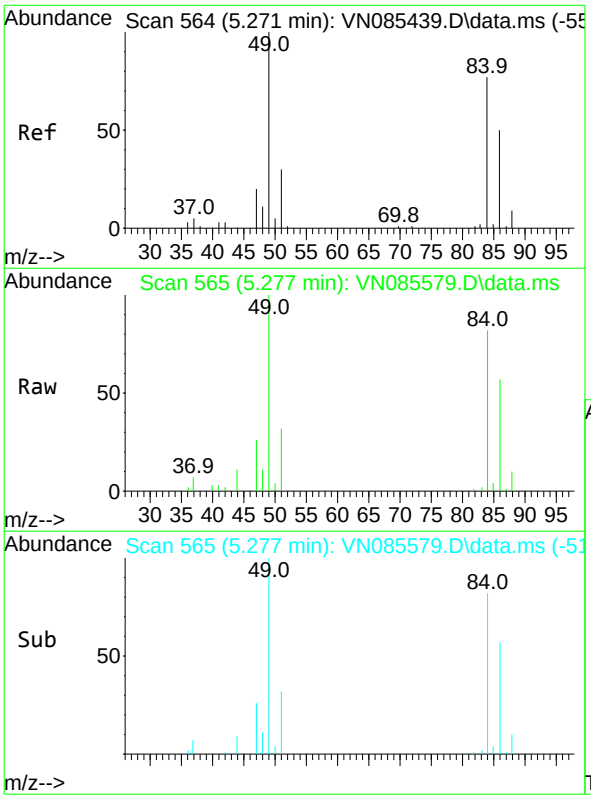
Ion	Ratio	Lower	Upper
73	100		
57	23.0	17.8	26.8

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

Manual Integrations
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Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

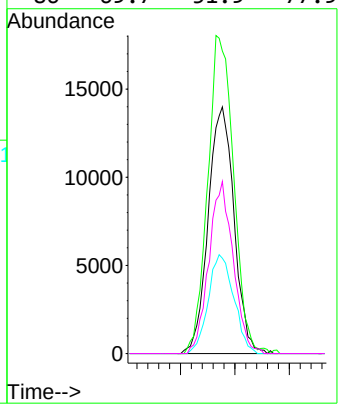


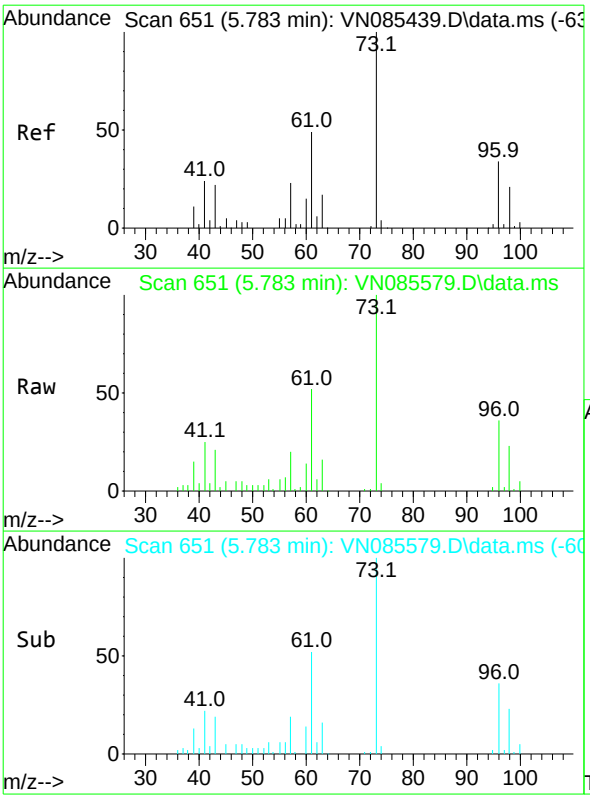


#20
Methylene Chloride
Concen: 19.330 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion: 84 Resp: 46255

Ion	Ratio	Lower	Upper
84	100		
49	122.7	104.1	156.1
51	38.7	31.0	46.4
86	69.7	51.9	77.9

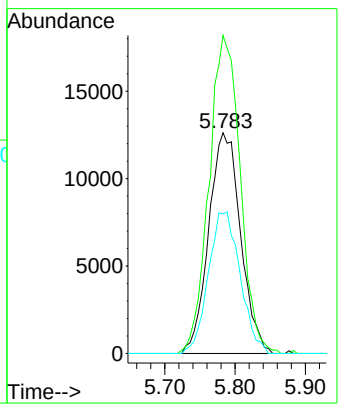




#21
trans-1,2-Dichloroethene
Concen: 18.703 ug/l
RT: 5.783 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion: 96 Resp: 39755

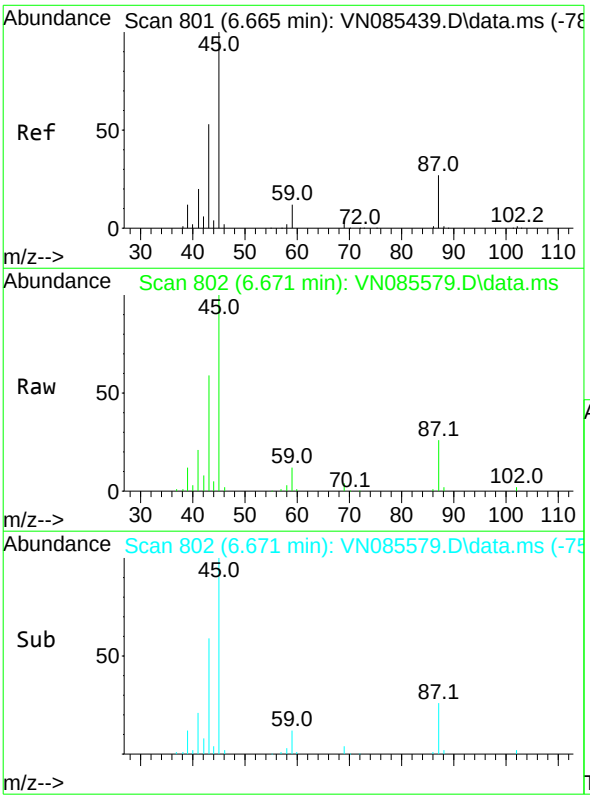
Ion	Ratio	Lower	Upper
96	100		
61	144.1	115.7	173.5
98	63.2	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

Manual Integrations
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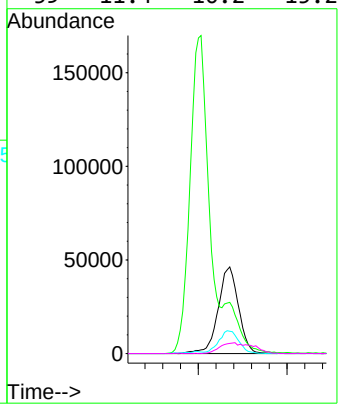
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

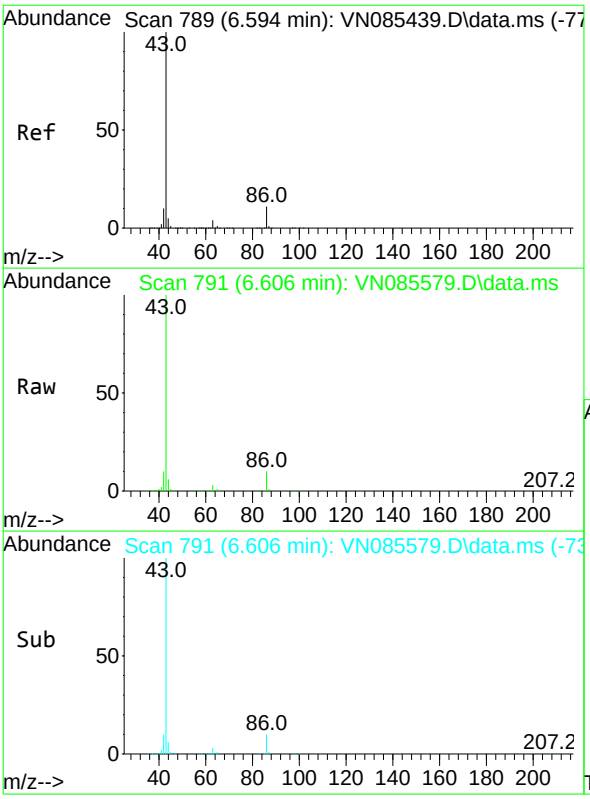


#22
Diisopropyl ether
Concen: 20.583 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.006 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion: 45 Resp: 147445

Ion	Ratio	Lower	Upper
45	100		
43	58.1	45.0	67.6
87	25.8	21.8	32.8
59	11.4	10.2	15.2

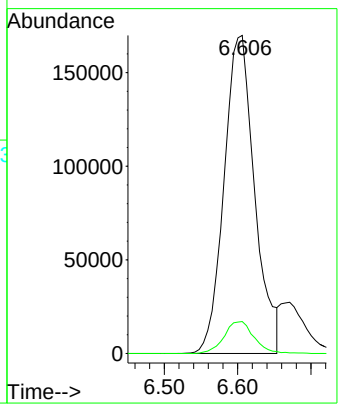




#23
Vinyl Acetate
Concen: 98.453 ug/l
RT: 6.606 min Scan# 79
Delta R.T. 0.012 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion: 43 Resp: 493576

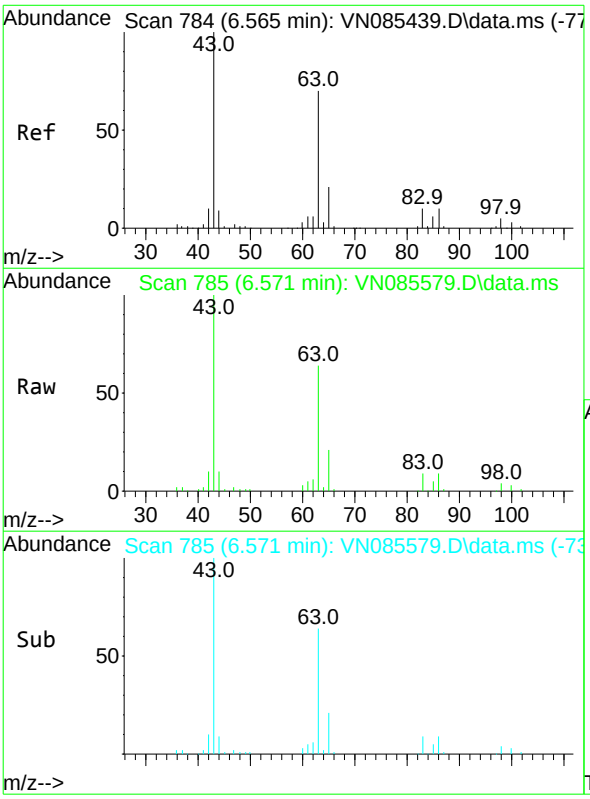
Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.4	12.6



Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

Manual Integrations
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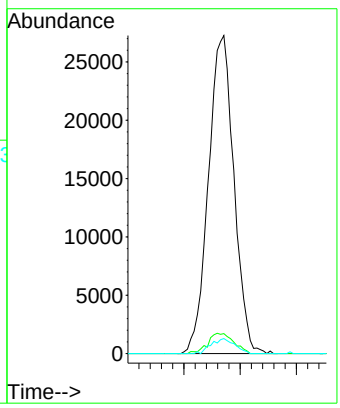
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

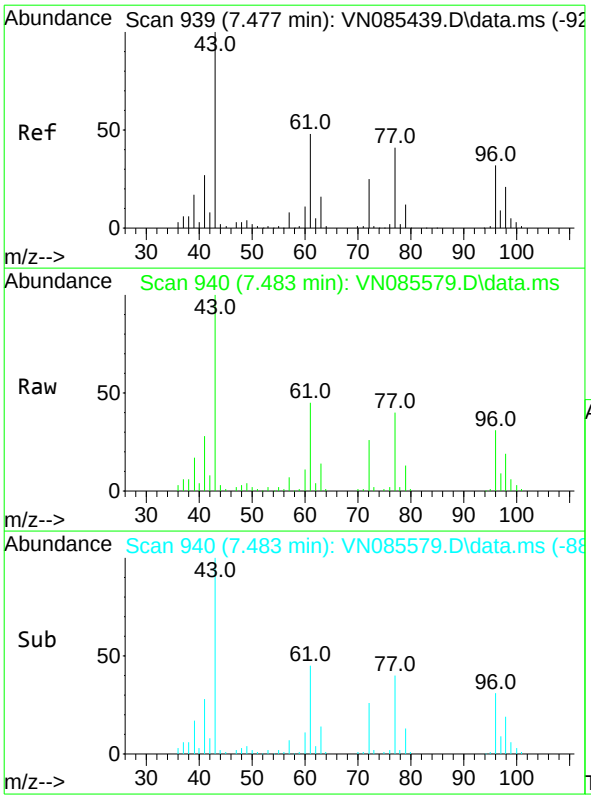


#24
1,1-Dichloroethane
Concen: 19.650 ug/l
RT: 6.571 min Scan# 785
Delta R.T. 0.006 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion: 63 Resp: 85834

Ion	Ratio	Lower	Upper
63	100		
98	6.3	3.3	9.8
100	4.7	2.0	6.0

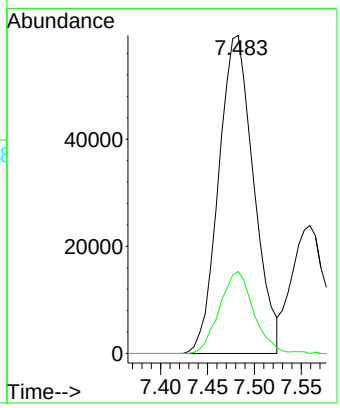




#25
2-Butanone
Concen: 108.457 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion: 43 Resp: 154273

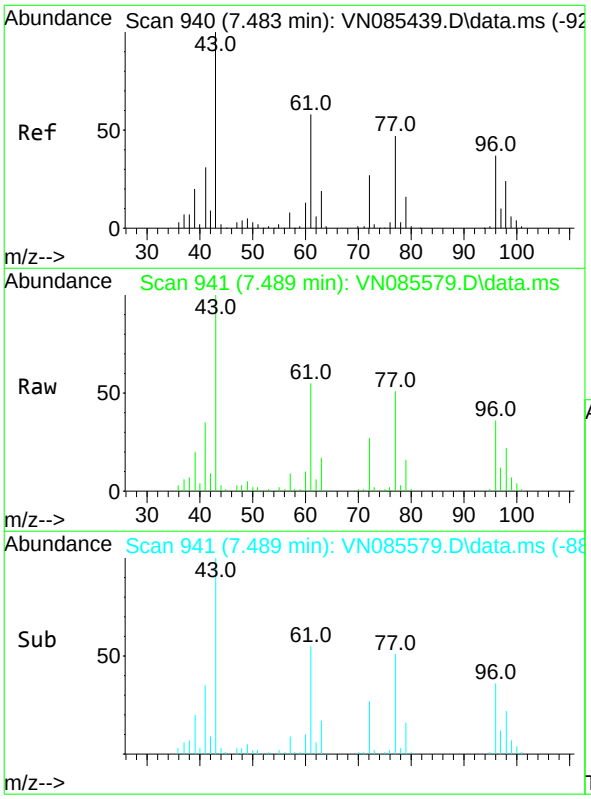
Ion	Ratio	Lower	Upper
43	100		
72	25.8	20.2	30.4



Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

Manual Integrations
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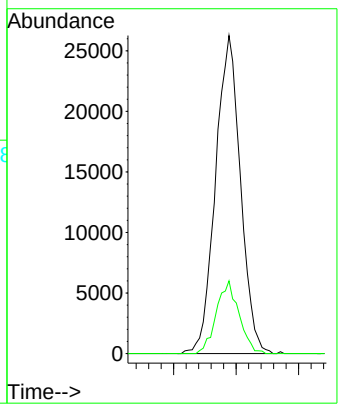
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

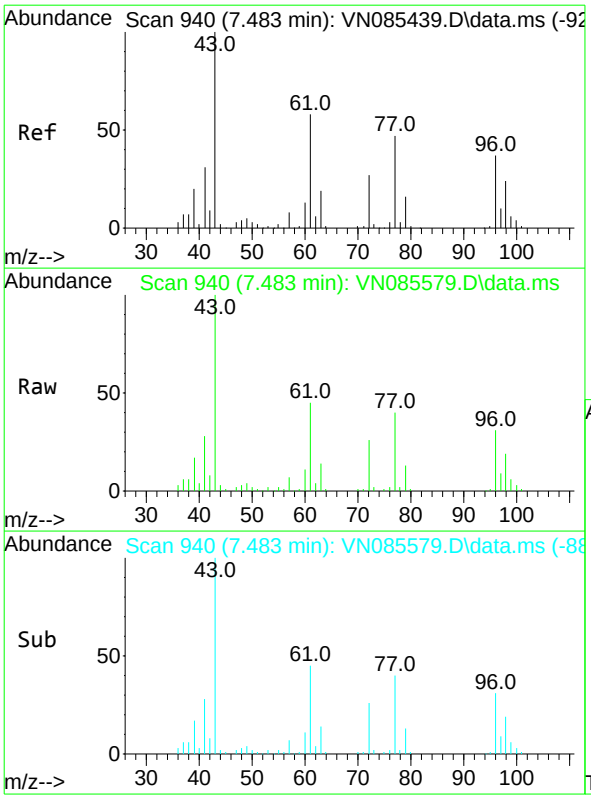


#26
2,2-Dichloropropane
Concen: 20.638 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion: 77 Resp: 72885

Ion	Ratio	Lower	Upper
77	100		
97	20.7	10.7	32.1





#27
cis-1,2-Dichloroethene
Concen: 19.034 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

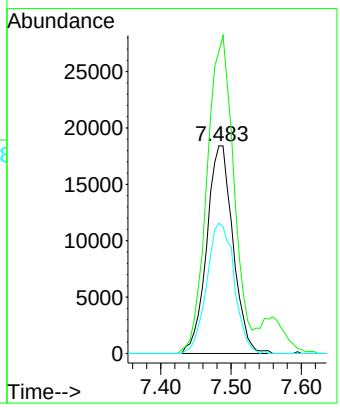
Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

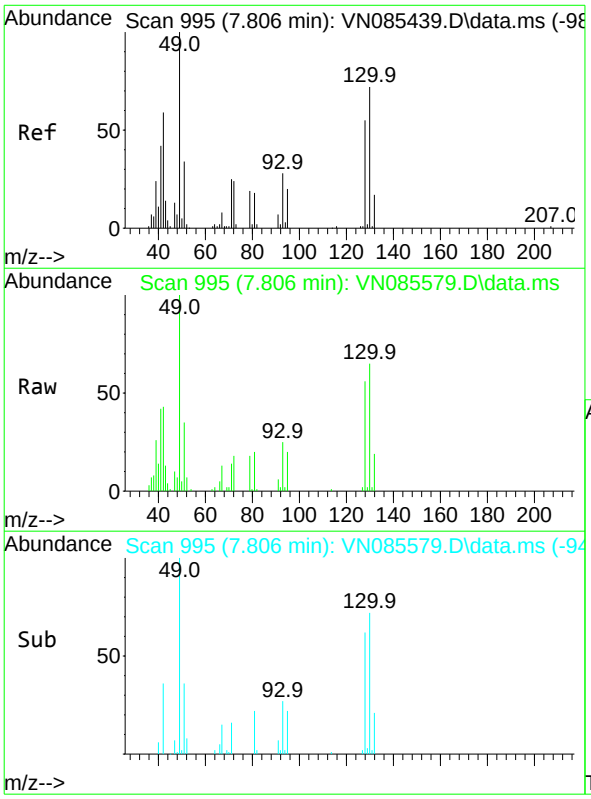
Tgt Ion: 96 Resp: 47654

Ion	Ratio	Lower	Upper
96	100		
61	156.7	0.0	311.8
98	65.9	0.0	126.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

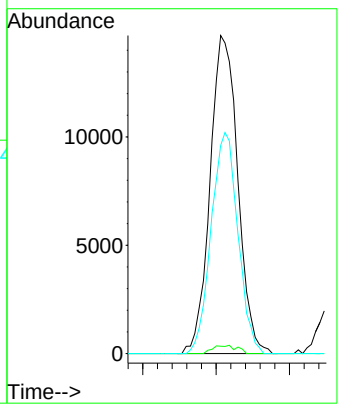


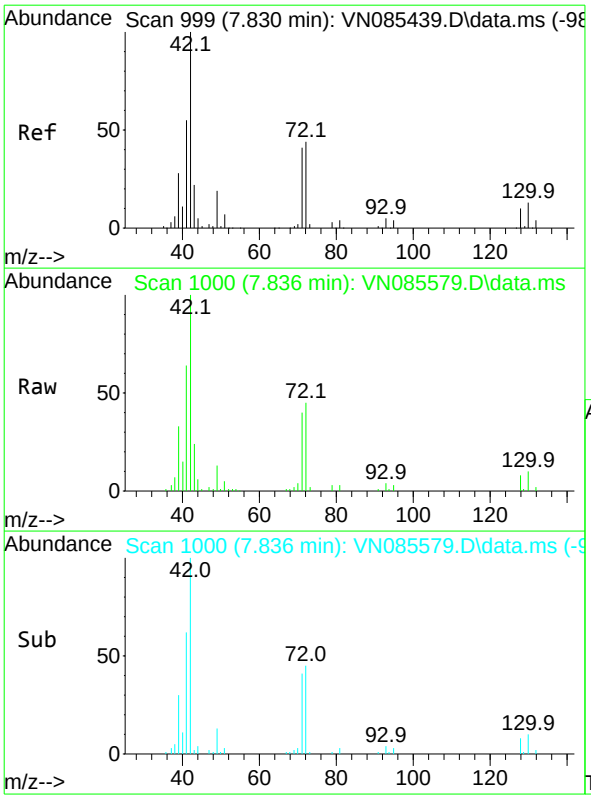


#28
Bromochloromethane
Concen: 18.938 ug/l
RT: 7.806 min Scan# 995
Delta R.T. 0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion: 49 Resp: 38486

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	67.1	55.0	82.4

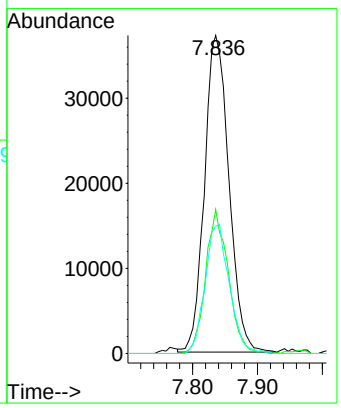




#29
Tetrahydrofuran
Concen: 108.026 ug/l
RT: 7.836 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion: 42 Resp: 97421

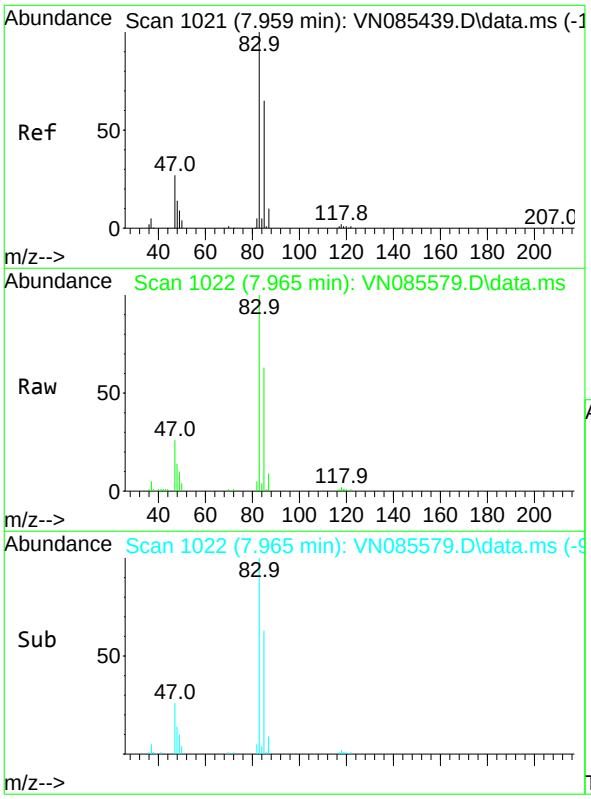
Ion	Ratio	Lower	Upper
42	100		
72	42.1	34.2	51.2
71	40.6	32.5	48.7



Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

Manual Integrations
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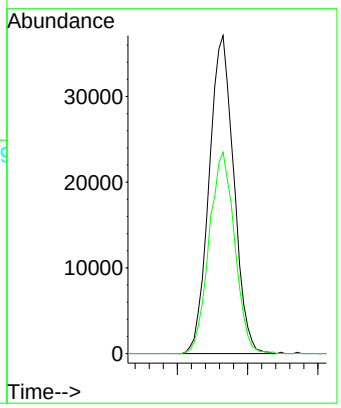
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

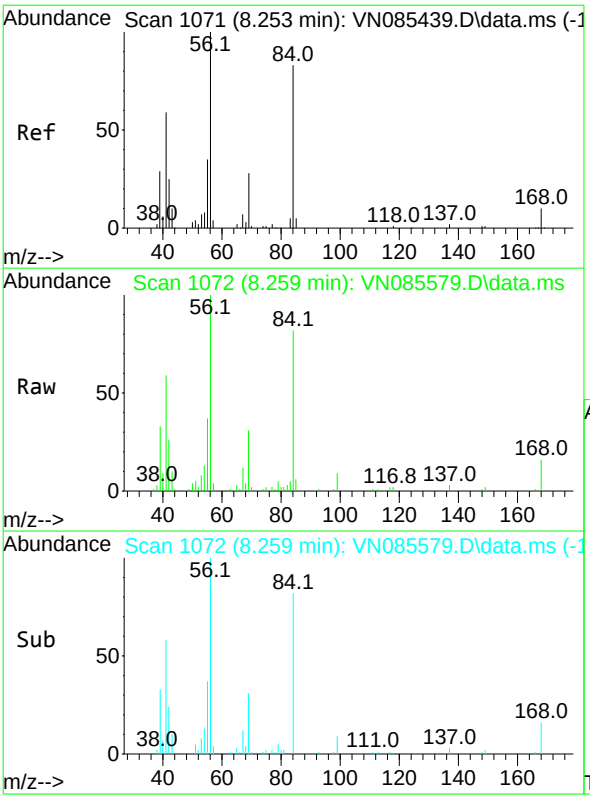


#30
Chloroform
Concen: 20.037 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion: 83 Resp: 90458

Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.8	77.6

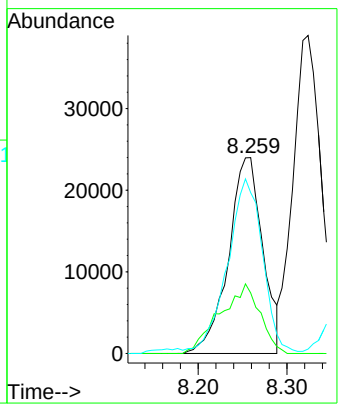




#31
Cyclohexane
Concen: 16.963 ug/l
RT: 8.259 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion: 56 Resp: 64403

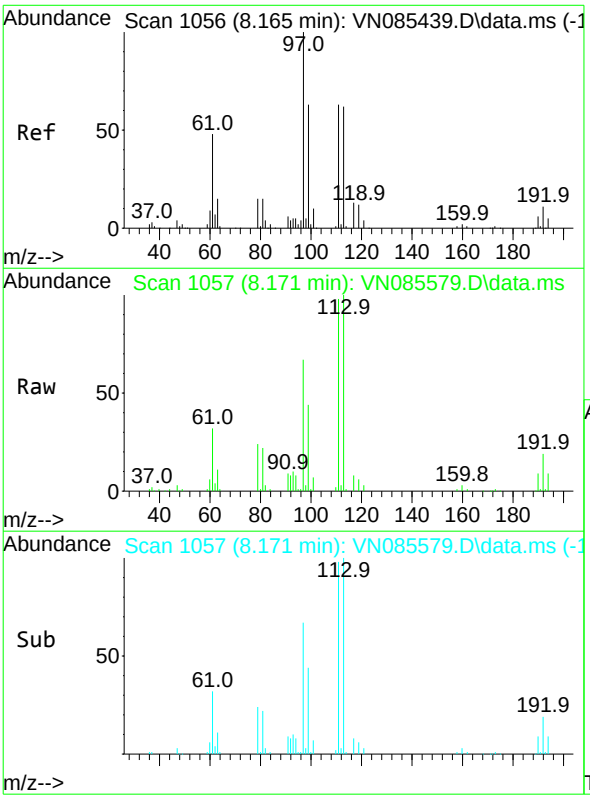
Ion	Ratio	Lower	Upper
56	100		
69	30.9	22.2	33.4
84	79.5	66.4	99.6



Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

Manual Integrations
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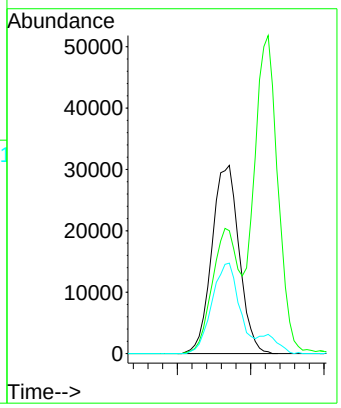
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

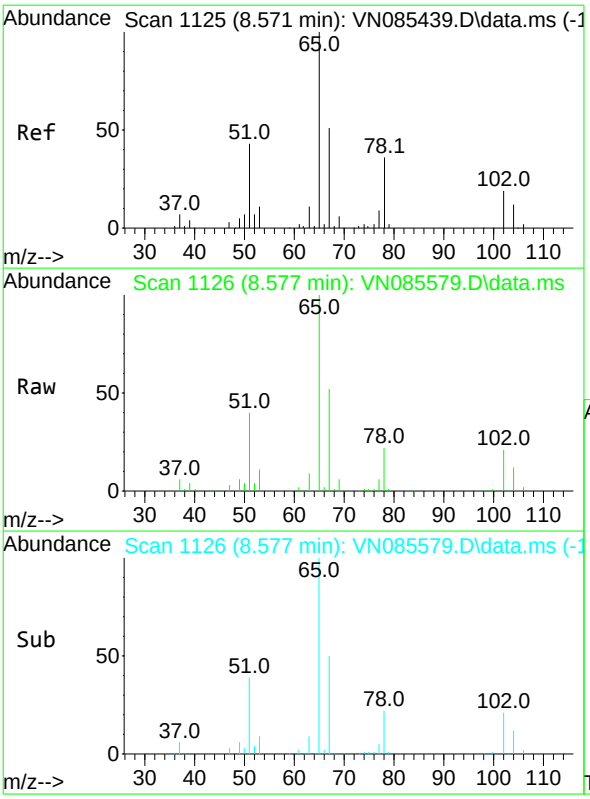


#32
1,1,1-Trichloroethane
Concen: 20.049 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion: 97 Resp: 79393

Ion	Ratio	Lower	Upper
97	100		
99	64.0	49.8	74.6
61	48.6	41.4	62.2

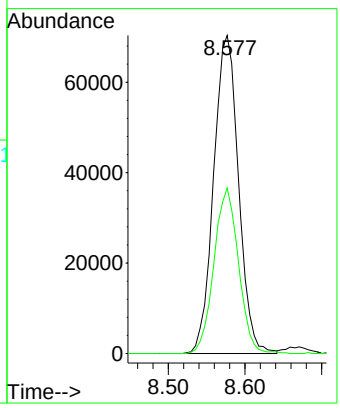




#33
1,2-Dichloroethane-d4
Concen: 52.965 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion: 65 Resp: 158446

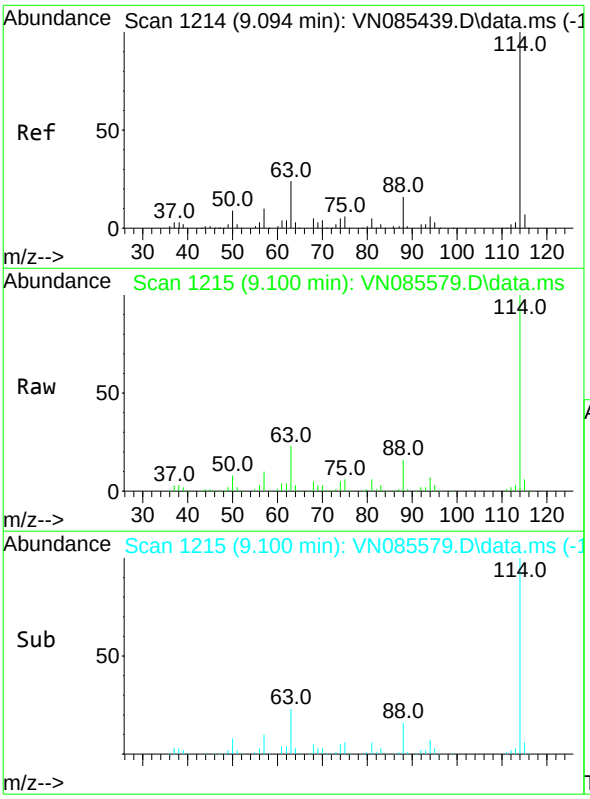
Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	101.6



Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

Manual Integrations
APPROVED

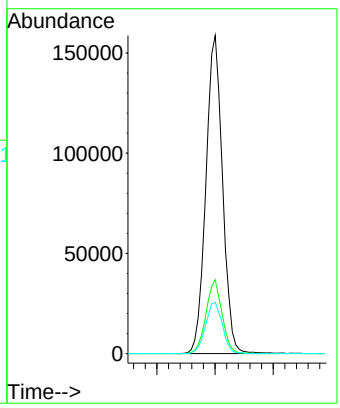
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

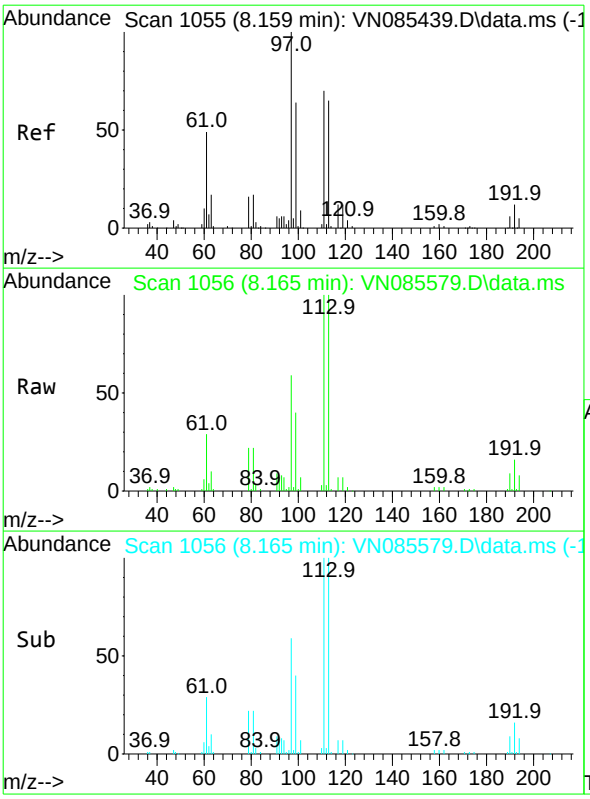


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion:114 Resp: 315495

Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	47.6
88	16.1	0.0	32.6

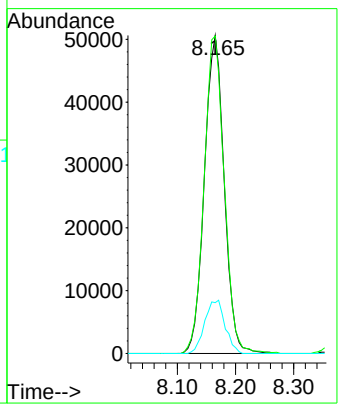




#35
Dibromofluoromethane
Concen: 54.699 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion:113 Resp: 119723

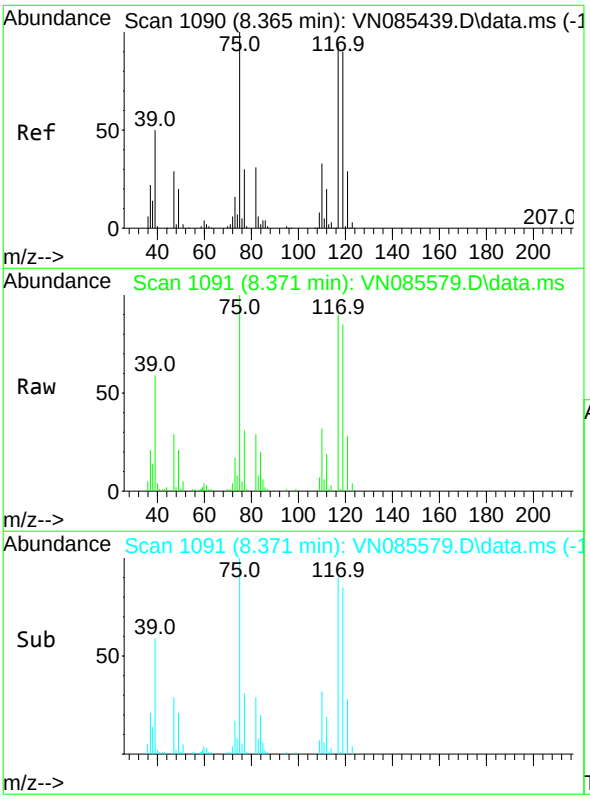
Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.7	124.1
192	17.2	14.3	21.5



Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

Manual Integrations
APPROVED

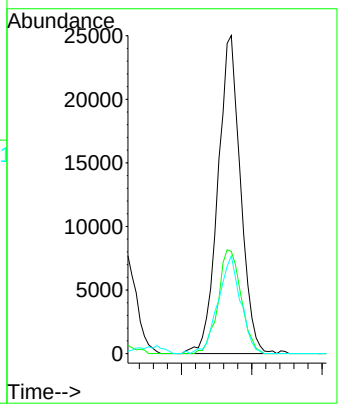
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

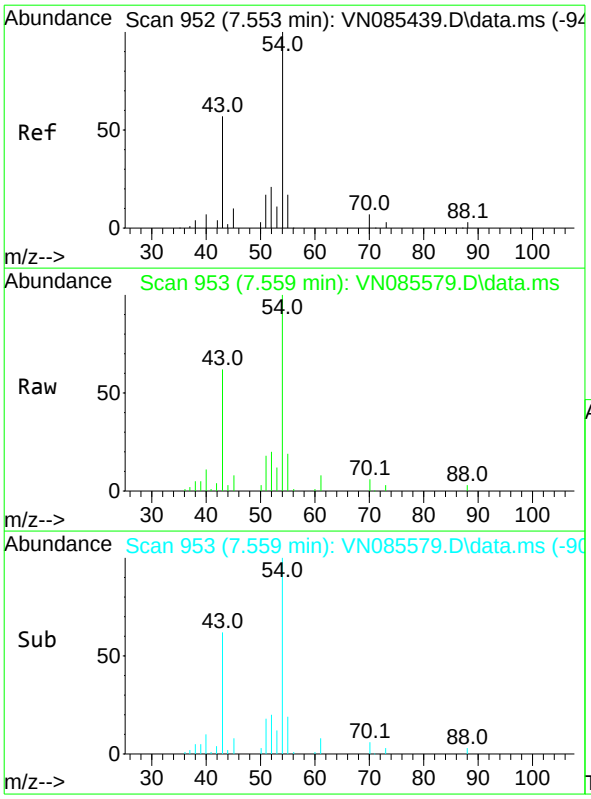


#36
1,1-Dichloropropene
Concen: 18.167 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.006 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion: 75 Resp: 55806

Ion	Ratio	Lower	Upper
75	100		
110	33.2	16.5	49.5
77	30.7	24.4	36.6





#37
Ethyl Acetate
Concen: 20.144 ug/l
RT: 7.559 min Scan# 95
Delta R.T. 0.006 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

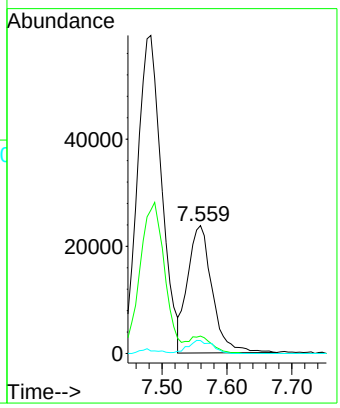
Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

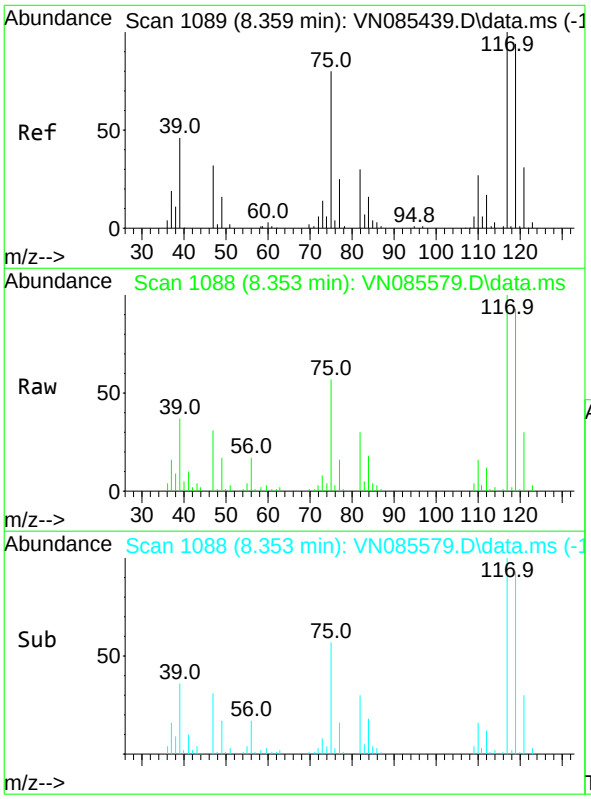
Tgt Ion: 43 Resp: 62459

Ion	Ratio	Lower	Upper
43	100		
61	11.1	10.9	16.3
70	10.2	7.5	11.3

Manual Integrations
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Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

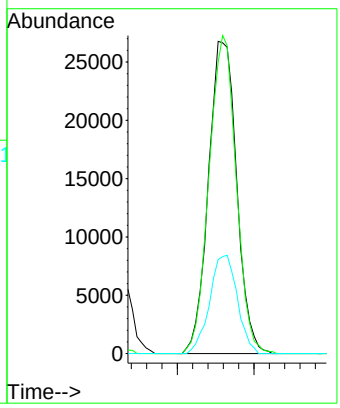


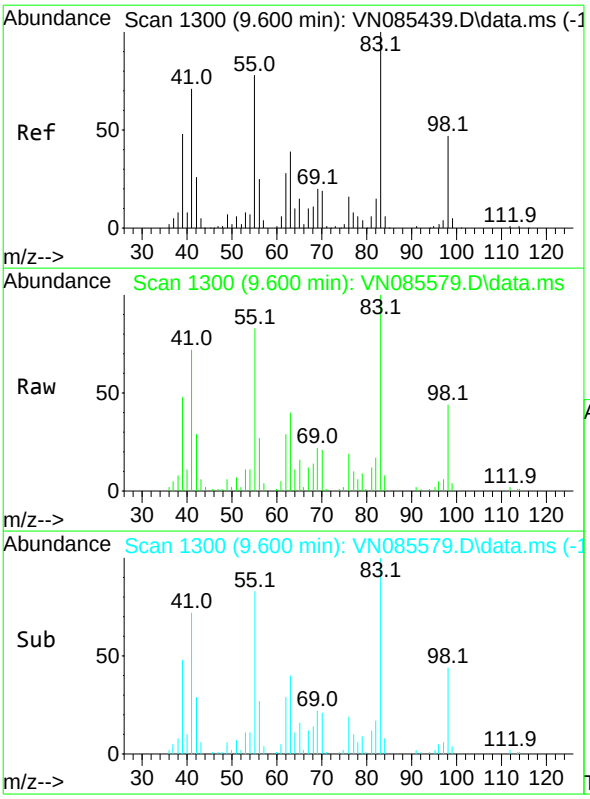


#38
Carbon Tetrachloride
Concen: 19.448 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion:117 Resp: 68396

Ion	Ratio	Lower	Upper
117	100		
119	93.3	75.4	113.2
121	30.1	24.6	37.0

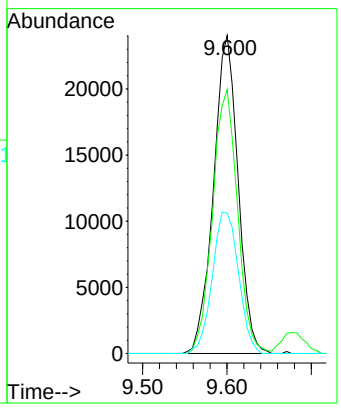




#39
Methylcyclohexane
Concen: 16.893 ug/l
RT: 9.600 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion: 83 Resp: 48764

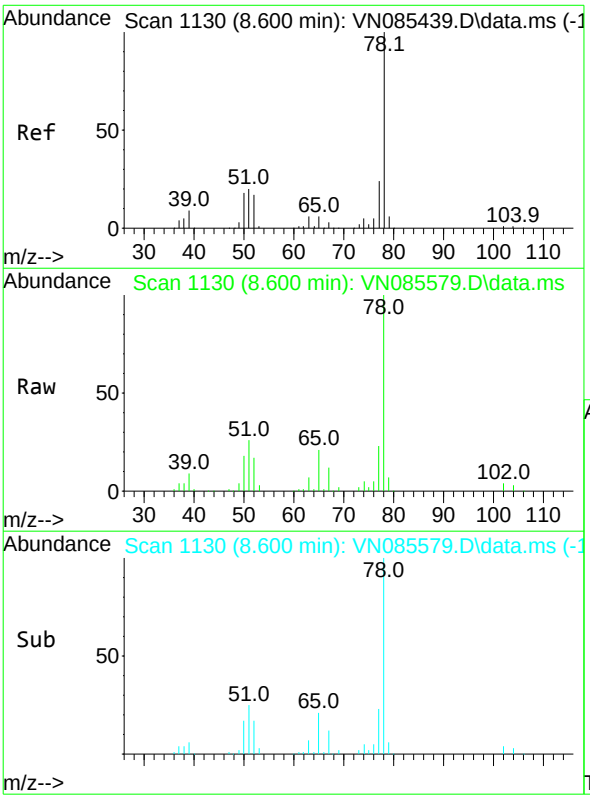
Ion	Ratio	Lower	Upper
83	100		
55	83.0	62.6	94.0
98	44.0	37.7	56.5



Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

Manual Integrations
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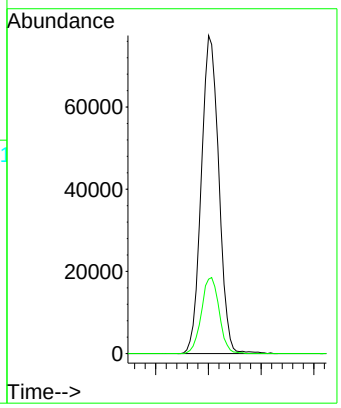
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

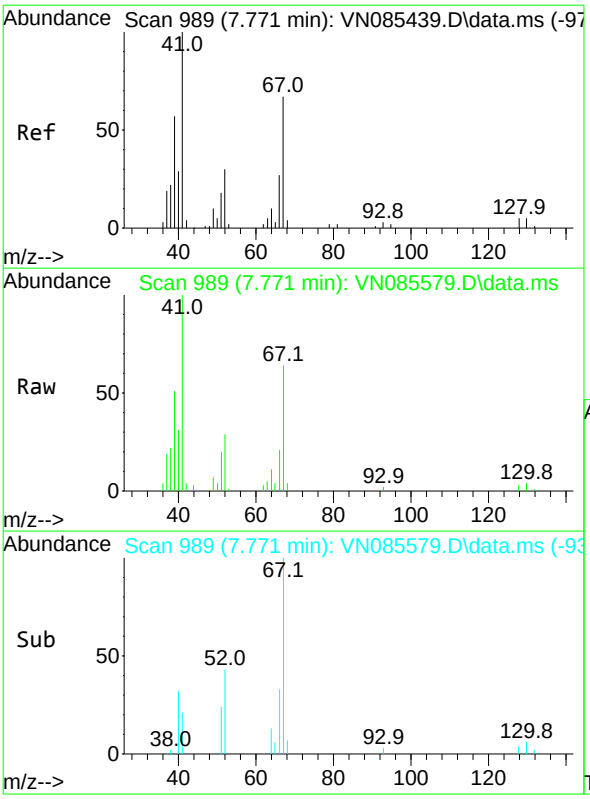


#40
Benzene
Concen: 19.394 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion: 78 Resp: 179006

Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.6

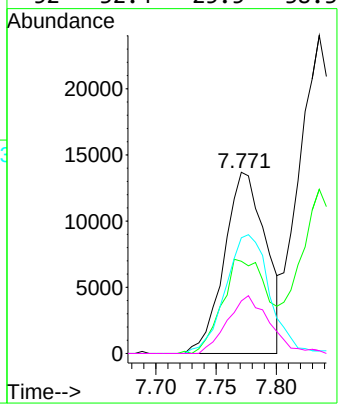




#41
Methacrylonitrile
Concen: 20.362 ug/l
RT: 7.771 min Scan# 98
Delta R.T. 0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion: 41 Resp: 32846

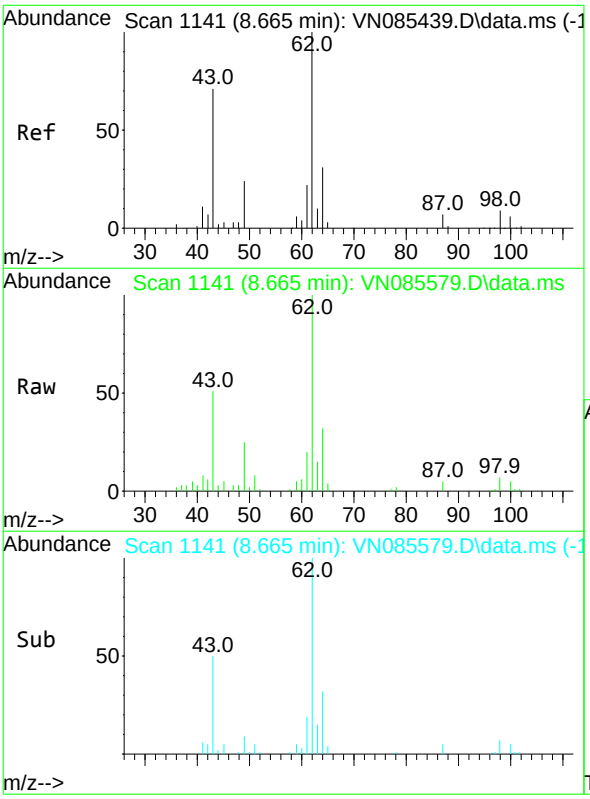
Ion	Ratio	Lower	Upper
41	100		
39	56.1	46.0	69.0
67	69.7	57.4	86.2
52	32.4	25.5	38.3



Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

Manual Integrations
APPROVED

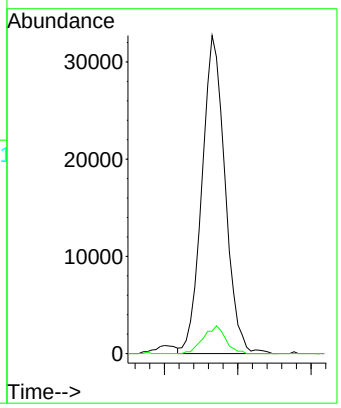
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

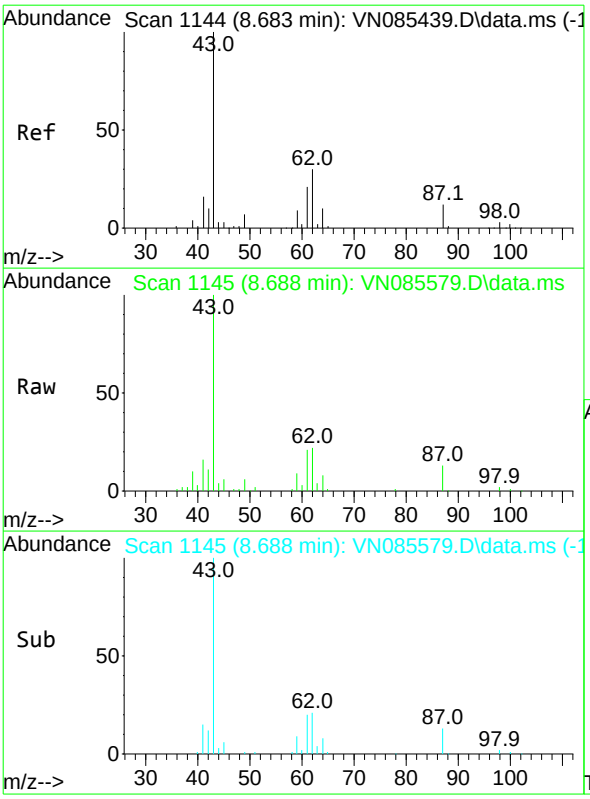


#42
1,2-Dichloroethane
Concen: 20.585 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion: 62 Resp: 71559

Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.0

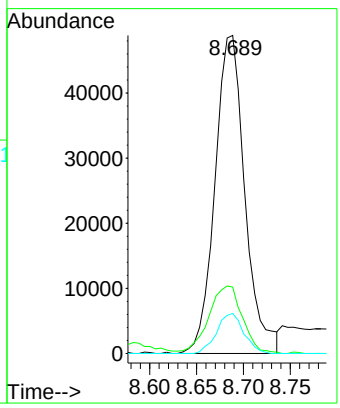




#43
Isopropyl Acetate
Concen: 21.870 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion: 43 Resp: 108656

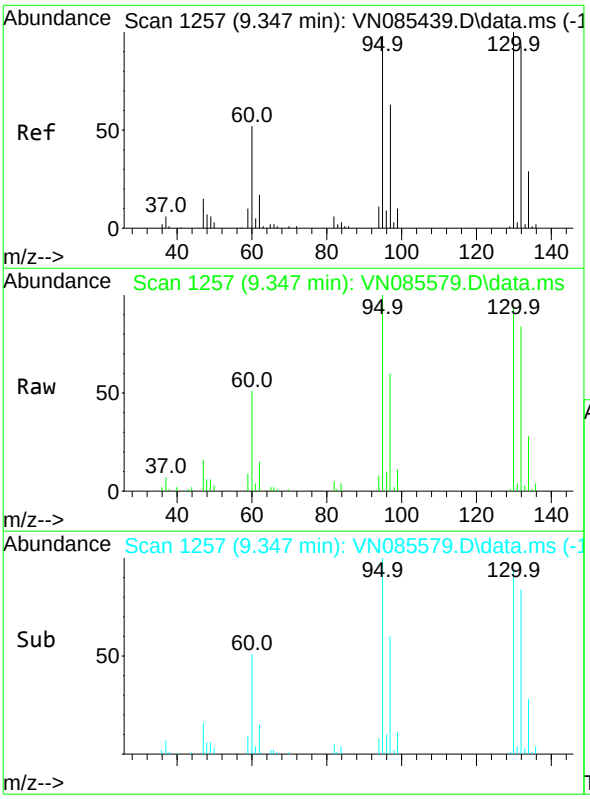
Ion	Ratio	Lower	Upper
43	100		
61	23.9	20.7	31.1
87	11.4	9.8	14.8



Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

Manual Integrations
APPROVED

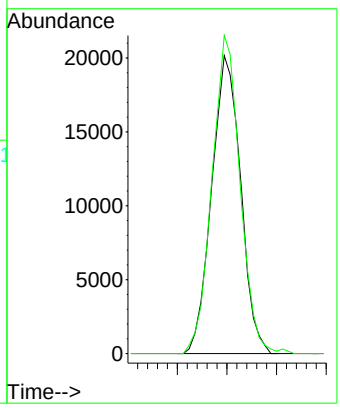
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

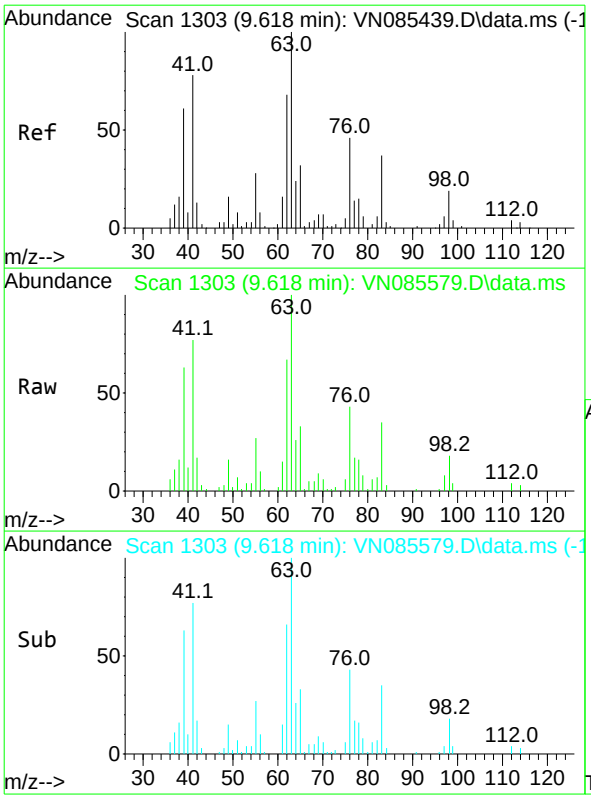


#44
Trichloroethene
Concen: 19.012 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion:130 Resp: 40848

Ion	Ratio	Lower	Upper
130	100		
95	106.7	0.0	195.8

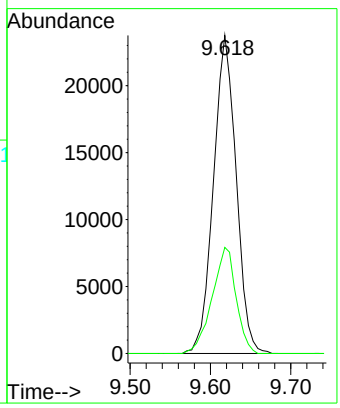




#45
1,2-Dichloropropane
Concen: 19.791 ug/l
RT: 9.618 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion: 63 Resp: 46660

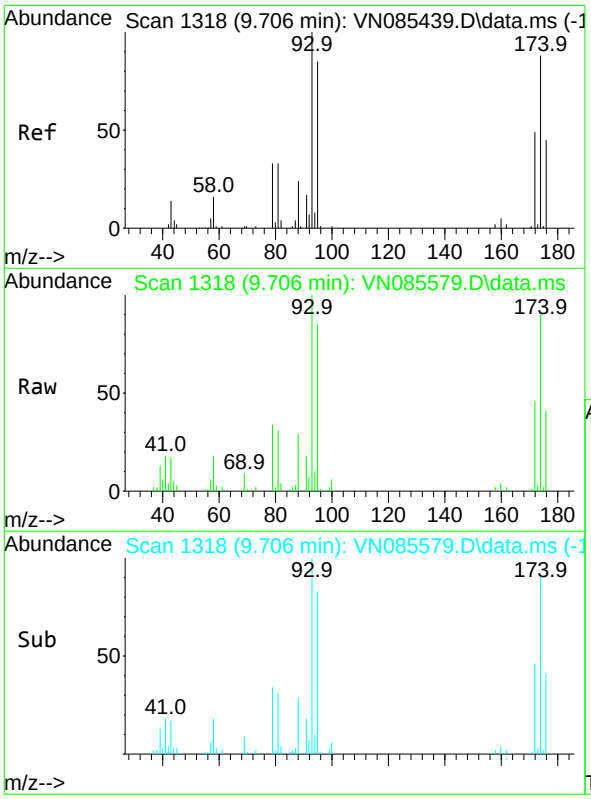
Ion	Ratio	Lower	Upper
63	100		
65	33.3	25.6	38.4



Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

Manual Integrations
APPROVED

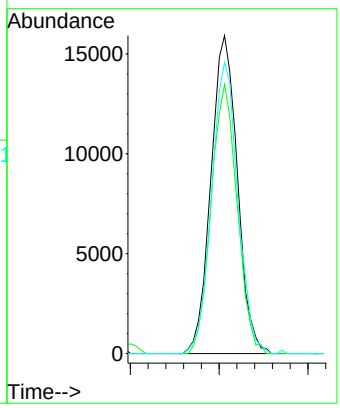
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

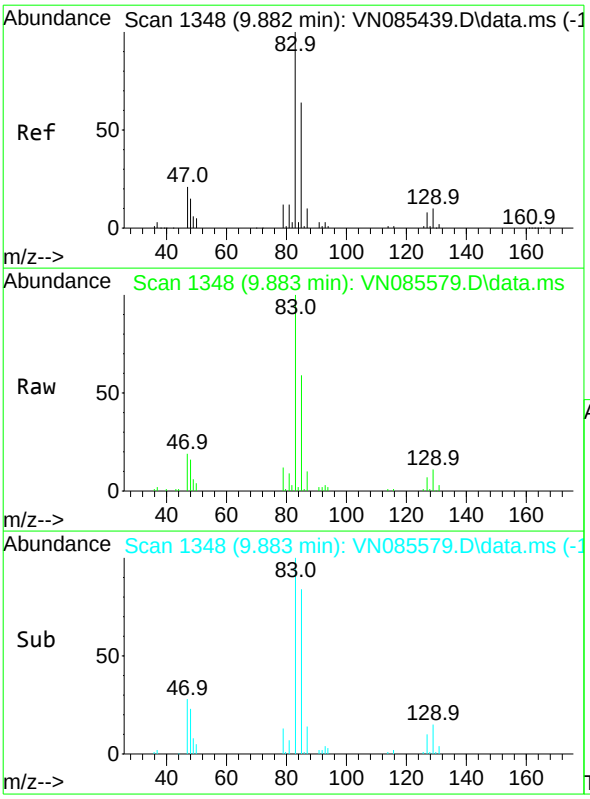


#46
Dibromomethane
Concen: 19.374 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion: 93 Resp: 32958

Ion	Ratio	Lower	Upper
93	100		
95	83.1	64.7	97.1
174	90.5	69.0	103.4

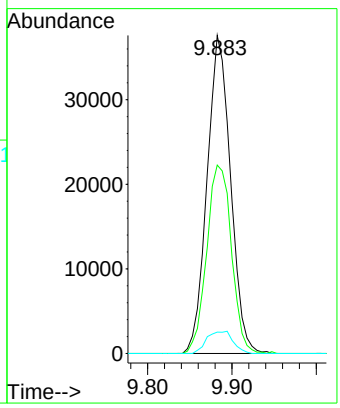




#47
Bromodichloromethane
Concen: 21.009 ug/l
RT: 9.883 min Scan# 13
Delta R.T. 0.001 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion: 83 Resp: 72811

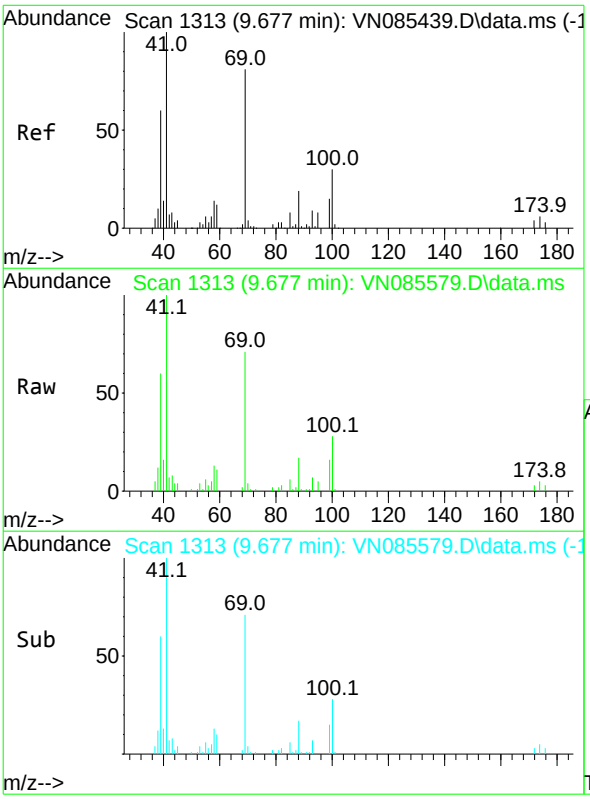
Ion	Ratio	Lower	Upper
83	100		
85	59.2	51.2	76.8
127	6.7	6.5	9.7



Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

Manual Integrations
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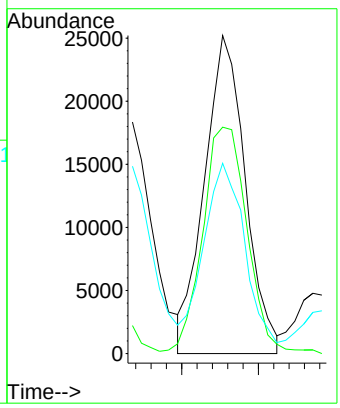
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

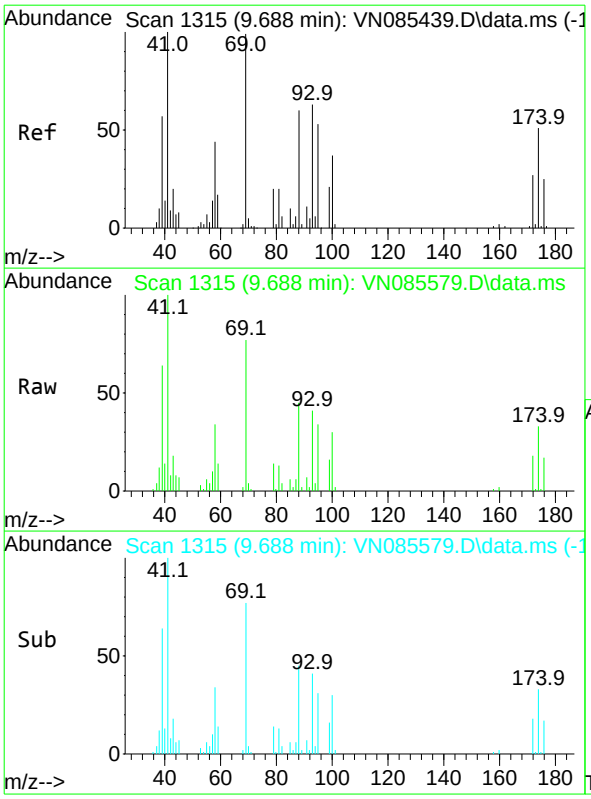


#48
Methyl methacrylate
Concen: 20.807 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion: 41 Resp: 46522

Ion	Ratio	Lower	Upper
41	100		
69	77.9	64.7	97.1
39	62.0	49.0	73.6





#49
1,4-Dioxane
Concen: 443.200 ug/l
RT: 9.688 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

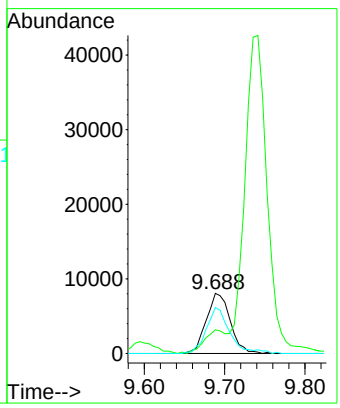
Tgt Ion: 88 Resp: 16687

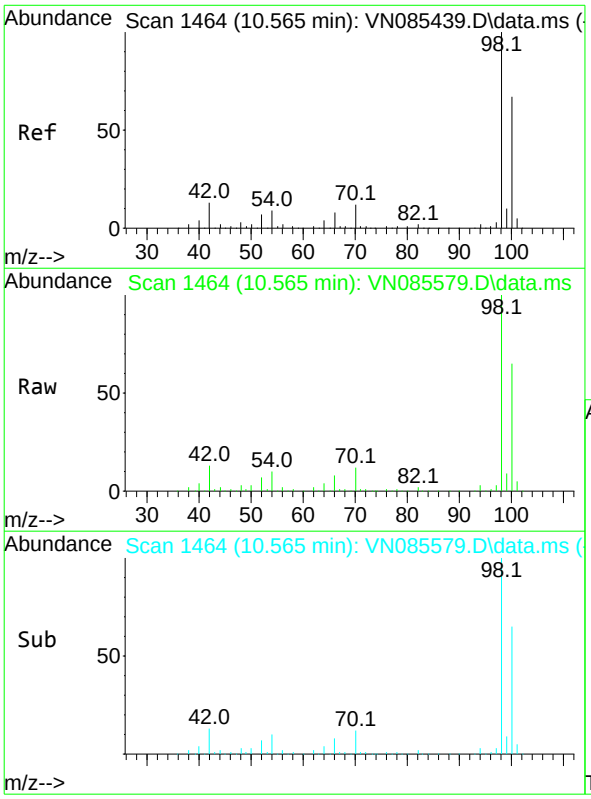
Ion	Ratio	Lower	Upper
88	100		
43	33.7	26.6	39.8
58	74.9	59.5	89.3

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

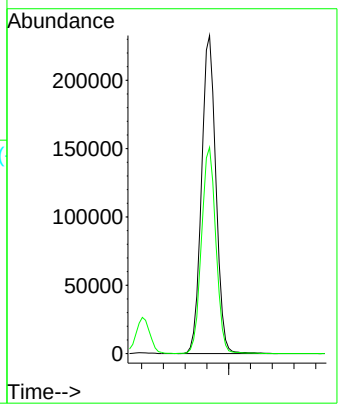


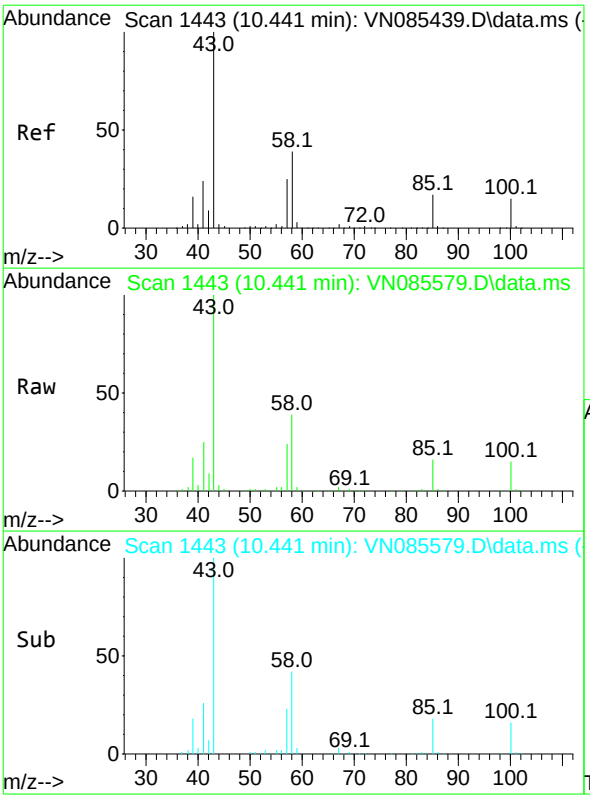


#50
Toluene-d8
Concen: 54.875 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion: 98 Resp: 426740

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.2	78.4





#51
4-Methyl-2-Pentanone
Concen: 112.340 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

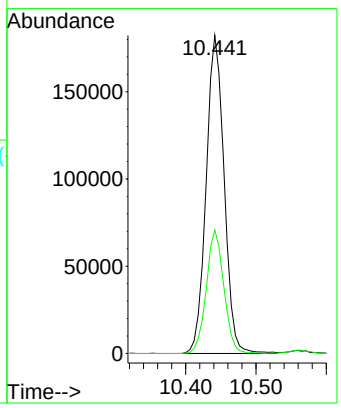
Tgt Ion: 43 Resp: 323878

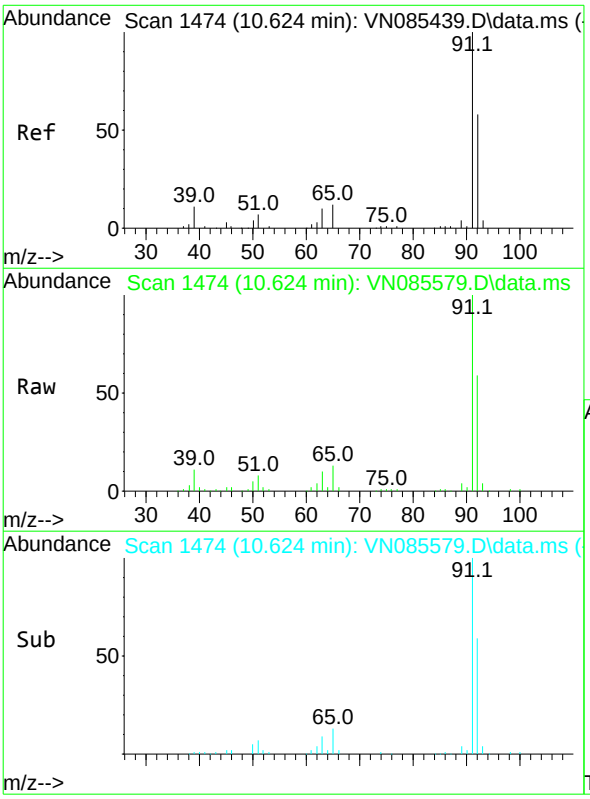
Ion	Ratio	Lower	Upper
43	100		
58	37.8	30.5	45.7

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

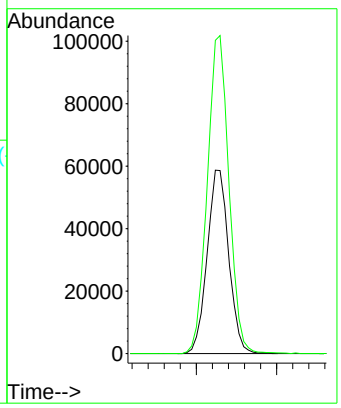


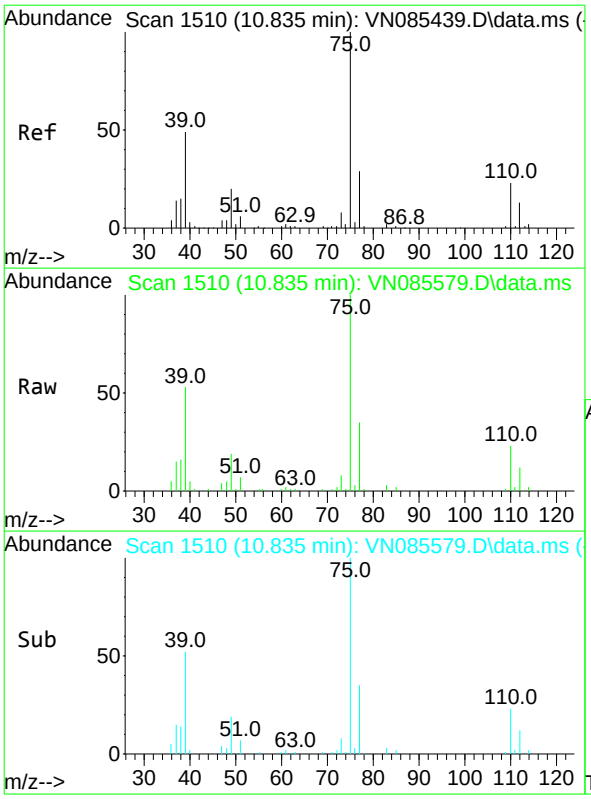


#52
Toluene
Concen: 20.510 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion: 92 Resp: 109688

Ion	Ratio	Lower	Upper
92	100		
91	173.5	139.2	208.8

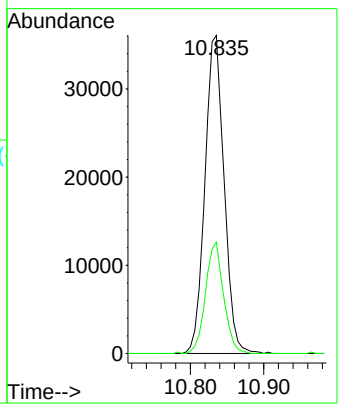




#53
t-1,3-Dichloropropene
Concen: 19.991 ug/l
RT: 10.835 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion: 75 Resp: 65474

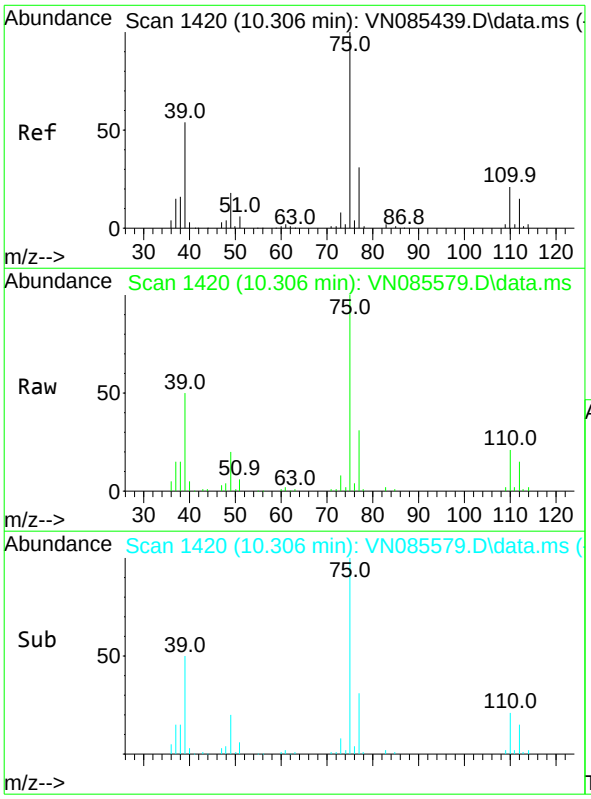
Ion	Ratio	Lower	Upper
75	100		
77	35.0	23.5	35.3



Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

Manual Integrations
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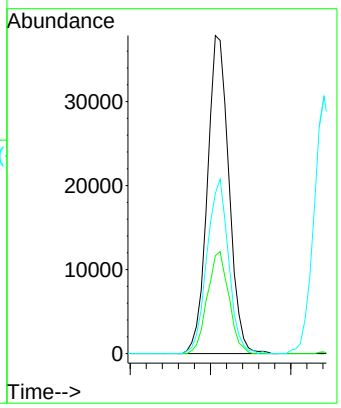
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

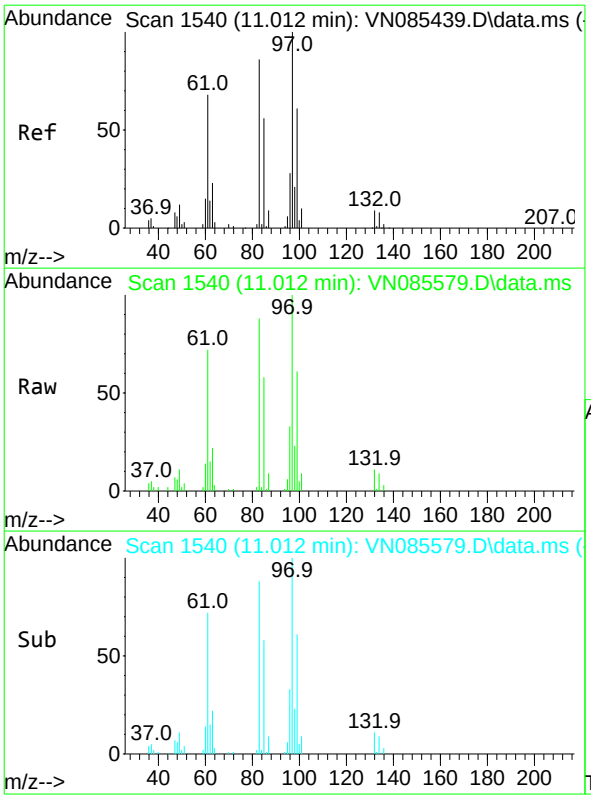


#54
cis-1,3-Dichloropropene
Concen: 20.180 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. 0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion: 75 Resp: 70599

Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.0	37.4
39	50.4	43.1	64.7

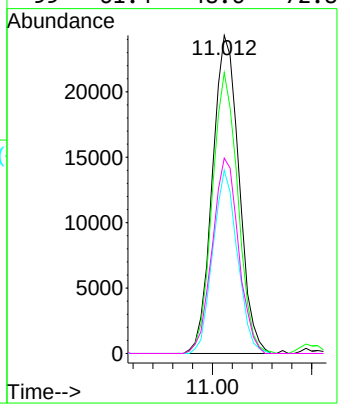




#55
1,1,2-Trichloroethane
Concen: 21.354 ug/l
RT: 11.012 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion: 97 Resp: 45196

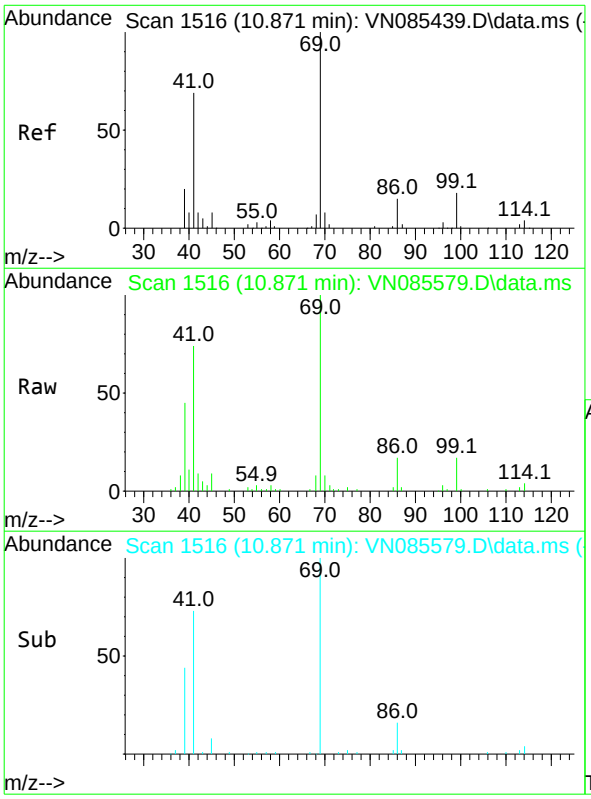
Ion	Ratio	Lower	Upper
97	100		
83	88.3	69.0	103.6
85	57.6	44.6	66.8
99	61.4	48.6	72.8



Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

Manual Integrations
APPROVED

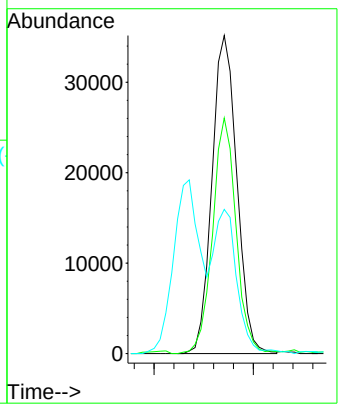
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

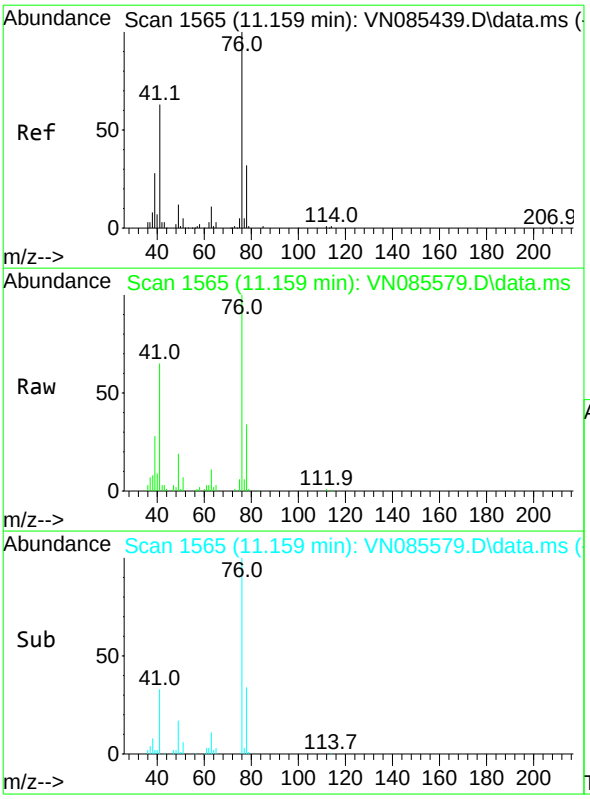


#56
Ethyl methacrylate
Concen: 18.429 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion: 69 Resp: 61183

Ion	Ratio	Lower	Upper
69	100		
41	70.1	54.6	82.0
39	43.1	32.4	48.6

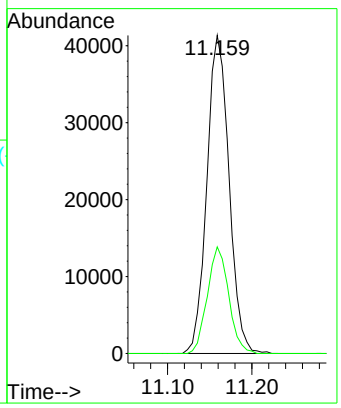




#57
1,3-Dichloropropane
Concen: 20.502 ug/l
RT: 11.159 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion: 76 Resp: 75452

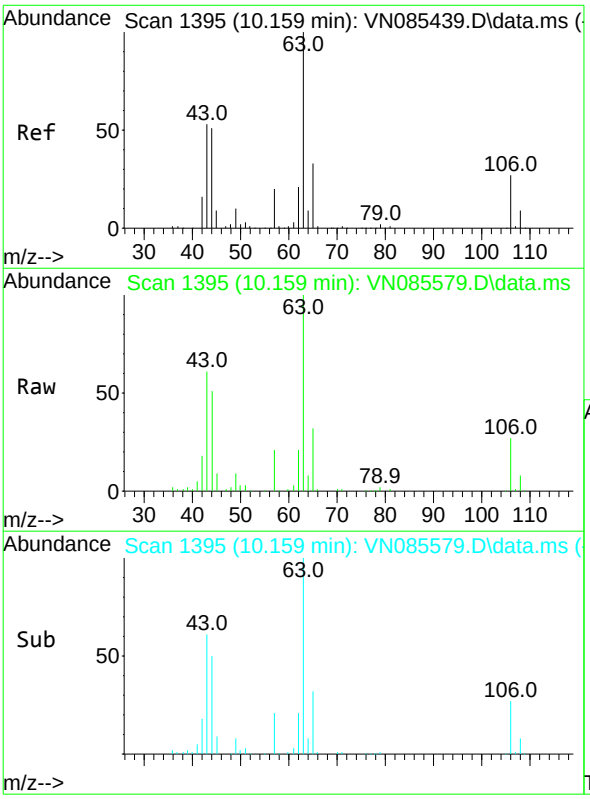
Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.6	38.4



Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

Manual Integrations
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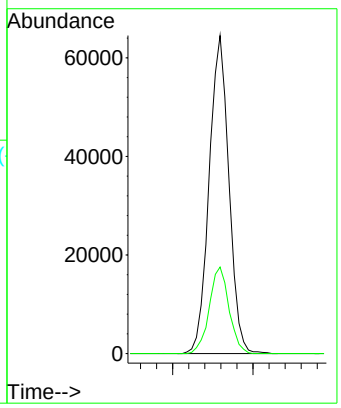
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

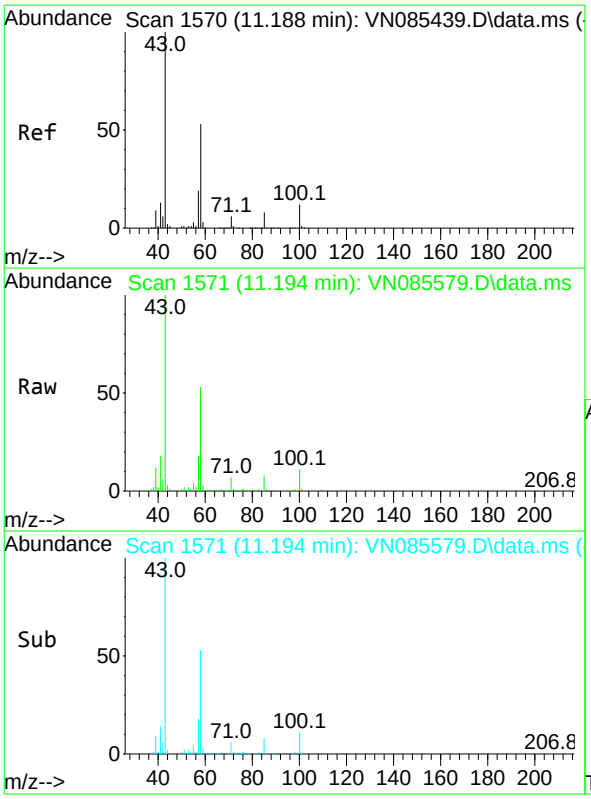


#58
2-Chloroethyl Vinyl ether
Concen: 81.997 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion: 63 Resp: 110130

Ion	Ratio	Lower	Upper
63	100		
106	27.1	21.6	32.4





#59
2-Hexanone
Concen: 114.981 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

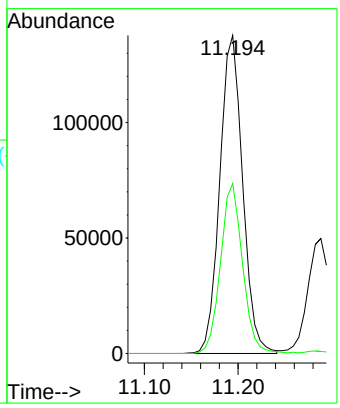
Tgt Ion: 43 Resp: 233248

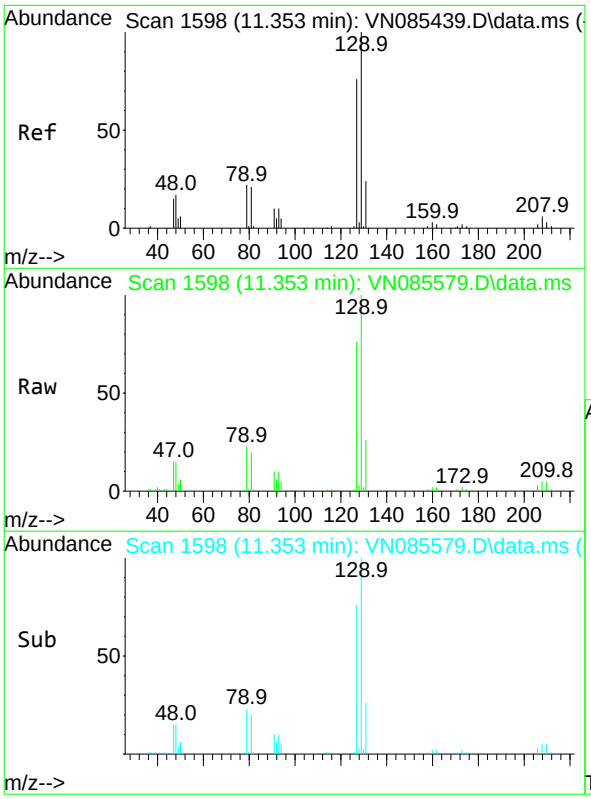
Ion	Ratio	Lower	Upper
43	100		
58	51.4	26.2	78.6

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

Manual Integrations
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Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

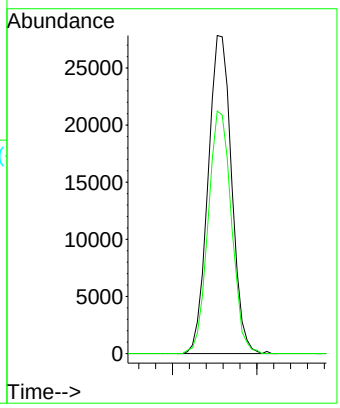


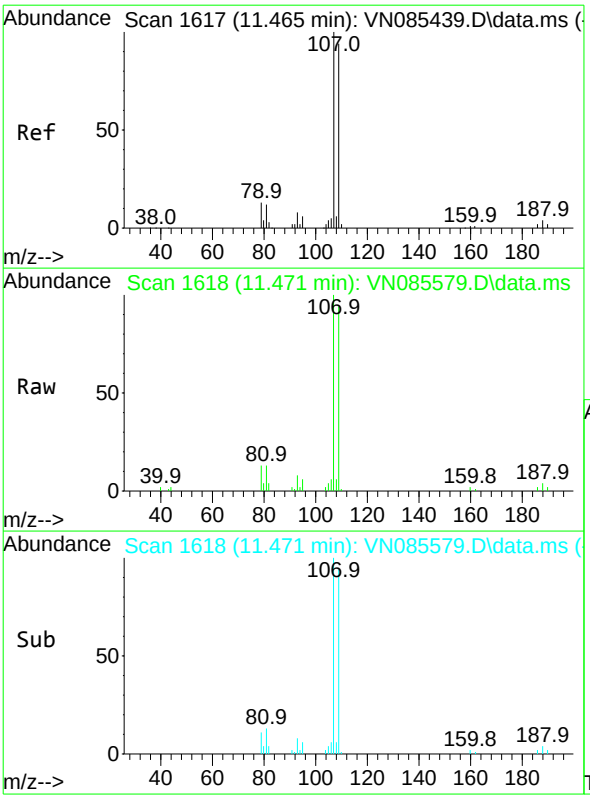


#60
Dibromochloromethane
Concen: 21.088 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion:129 Resp: 53884

Ion	Ratio	Lower	Upper
129	100		
127	75.4	38.6	115.8

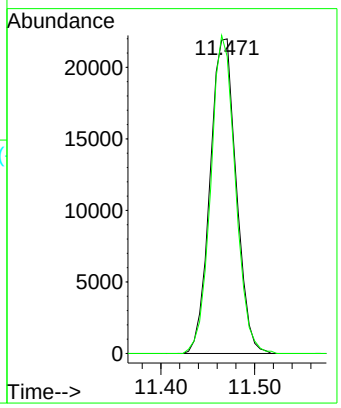




#61
1,2-Dibromoethane
Concen: 20.259 ug/l
RT: 11.471 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion:107 Resp: 42680

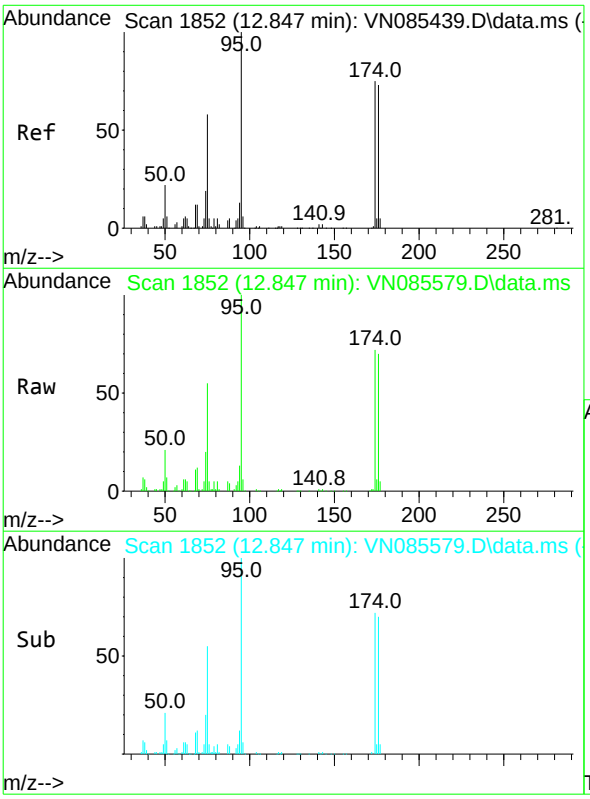
Ion	Ratio	Lower	Upper
107	100		
109	95.1	75.9	113.9



Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

Manual Integrations
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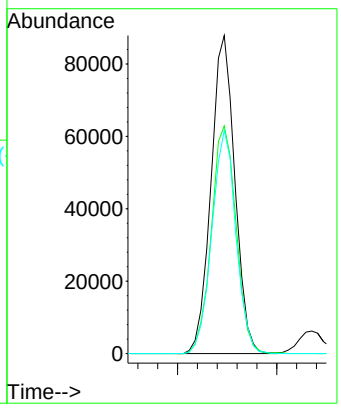
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

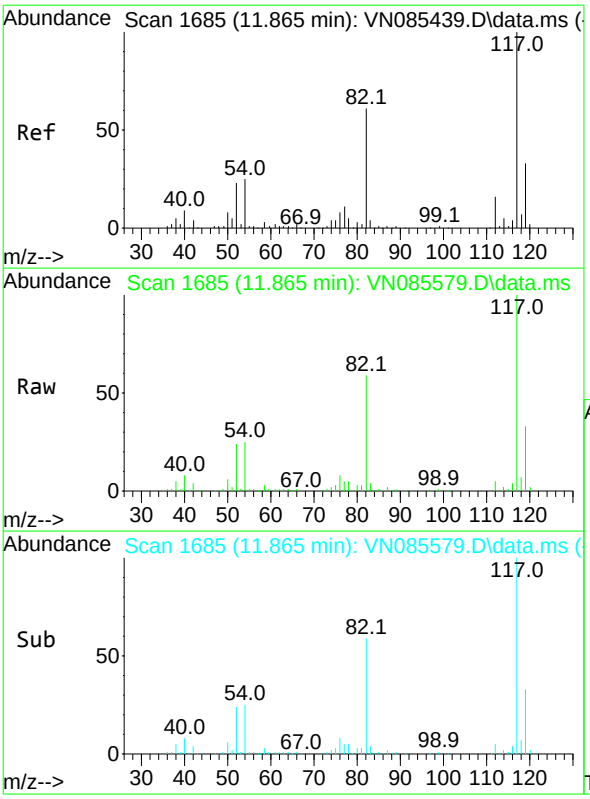


#62
4-Bromofluorobenzene
Concen: 55.143 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion: 95 Resp: 146690

Ion	Ratio	Lower	Upper
95	100		
174	74.4	0.0	145.0
176	70.7	0.0	142.4

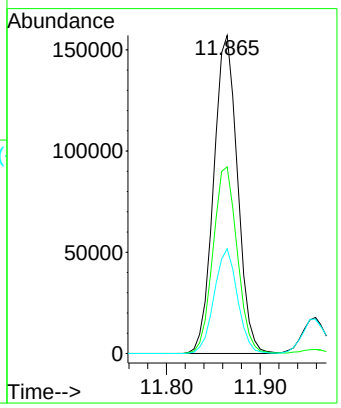




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion:117 Resp: 277682

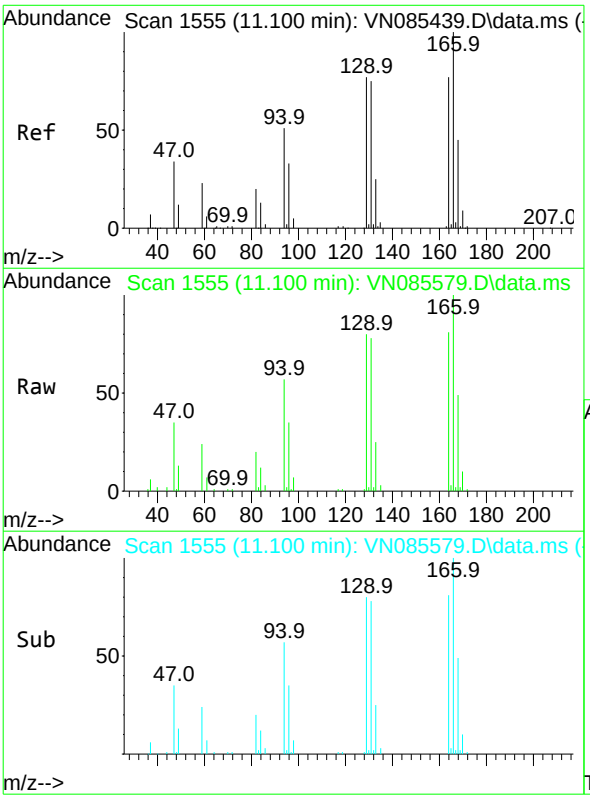
Ion	Ratio	Lower	Upper
117	100		
82	58.7	48.6	72.8
119	32.9	26.6	39.8



Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

Manual Integrations
APPROVED

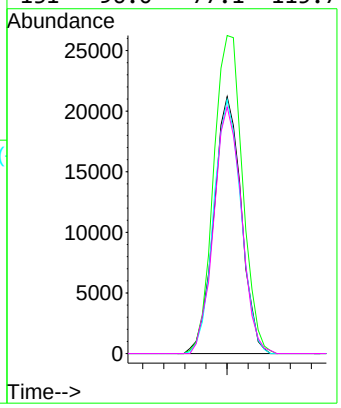
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

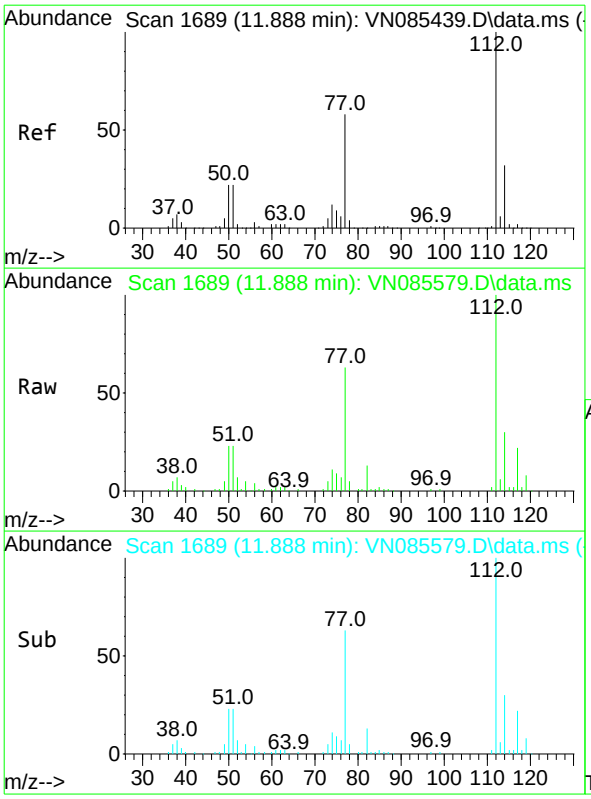


#64
Tetrachloroethene
Concen: 20.231 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion:164 Resp: 38298

Ion	Ratio	Lower	Upper
164	100		
166	123.8	103.4	155.2
129	98.8	79.2	118.8
131	96.0	77.1	115.7





#65
Chlorobenzene
Concen: 20.076 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

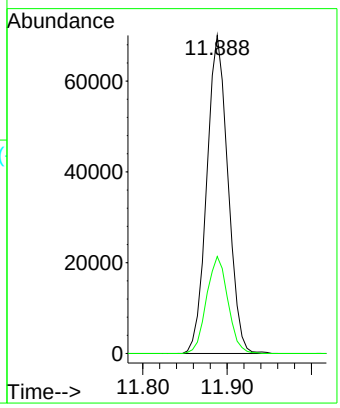
Tgt Ion:112 Resp: 122124

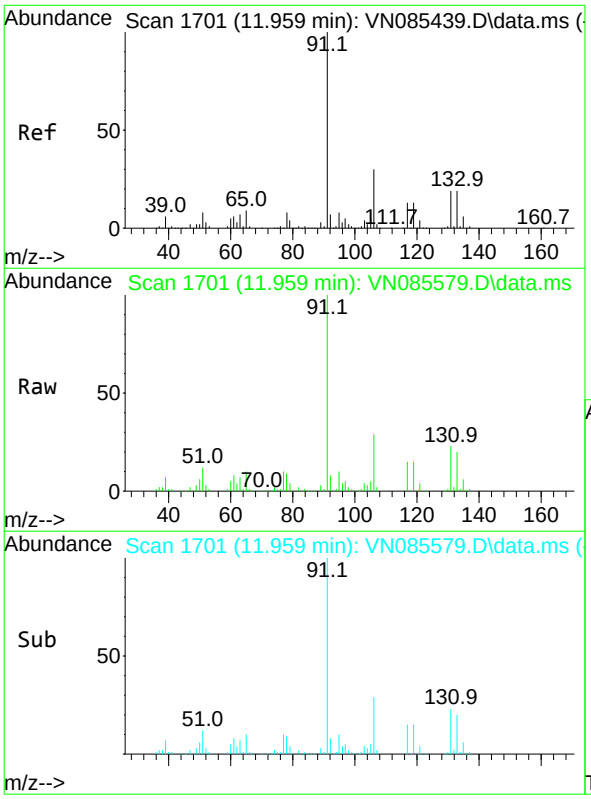
Ion	Ratio	Lower	Upper
112	100		
114	30.5	25.3	37.9

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

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Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

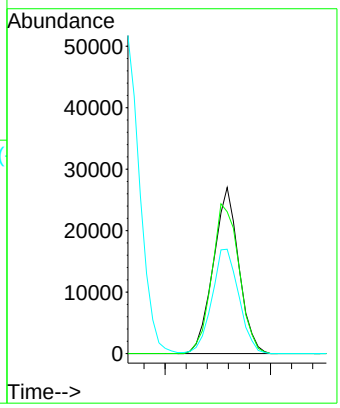


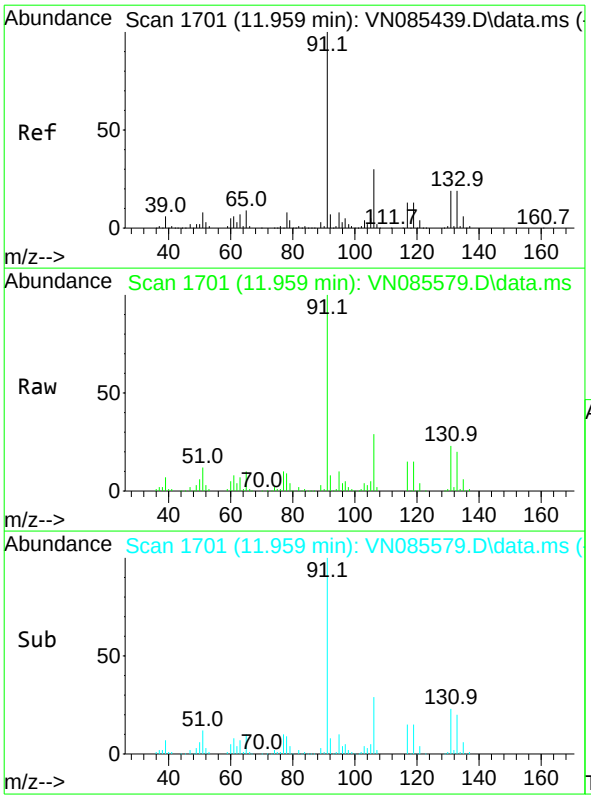


#66
1,1,1,2-Tetrachloroethane
Concen: 20.358 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion:131 Resp: 45451

Ion	Ratio	Lower	Upper
131	100		
133	96.0	47.4	142.3
119	66.3	33.1	99.5

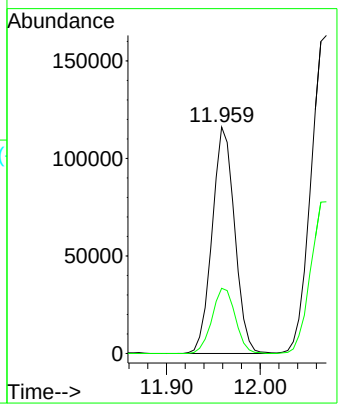




#67
Ethyl Benzene
Concen: 19.586 ug/l
RT: 11.959 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion: 91 Resp: 194059

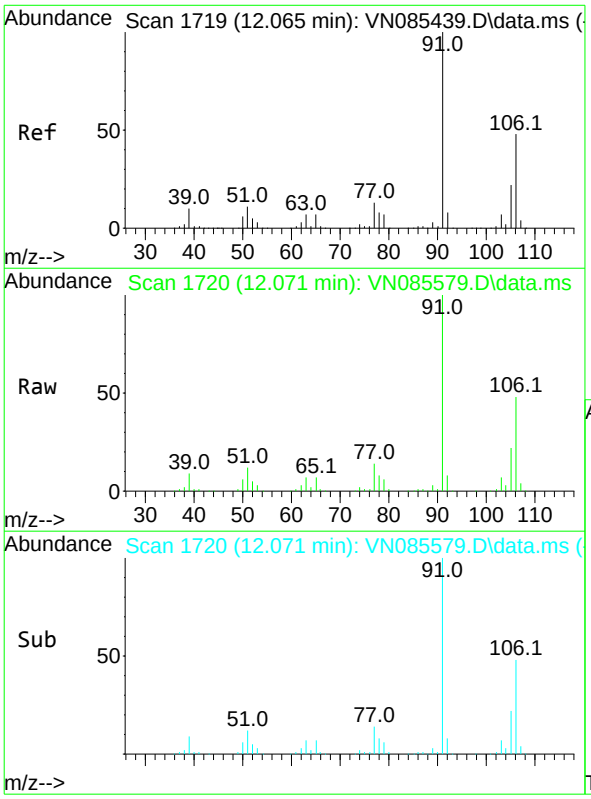
Ion	Ratio	Lower	Upper
91	100		
106	28.8	23.8	35.8



Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

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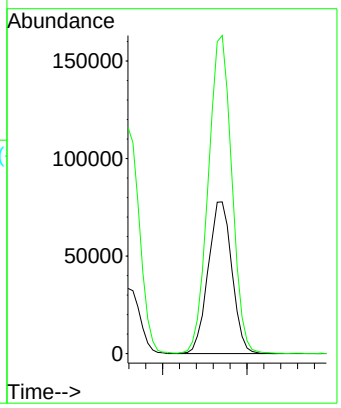
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

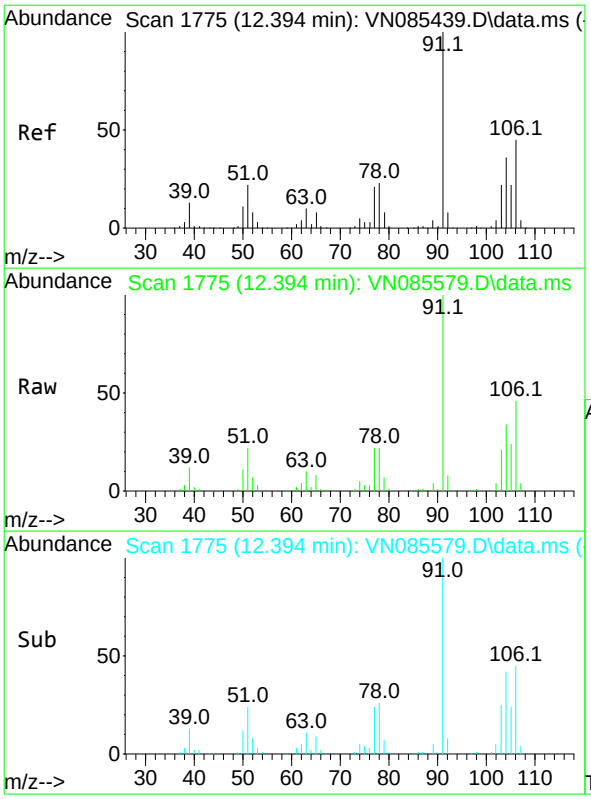


#68
m/p-Xylenes
Concen: 41.523 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.006 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion:106 Resp: 152047

Ion	Ratio	Lower	Upper
106	100		
91	208.1	167.7	251.5

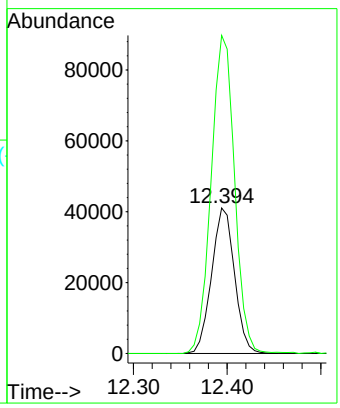




#69
o-Xylene
Concen: 19.907 ug/l
RT: 12.394 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion:106 Resp: 69663

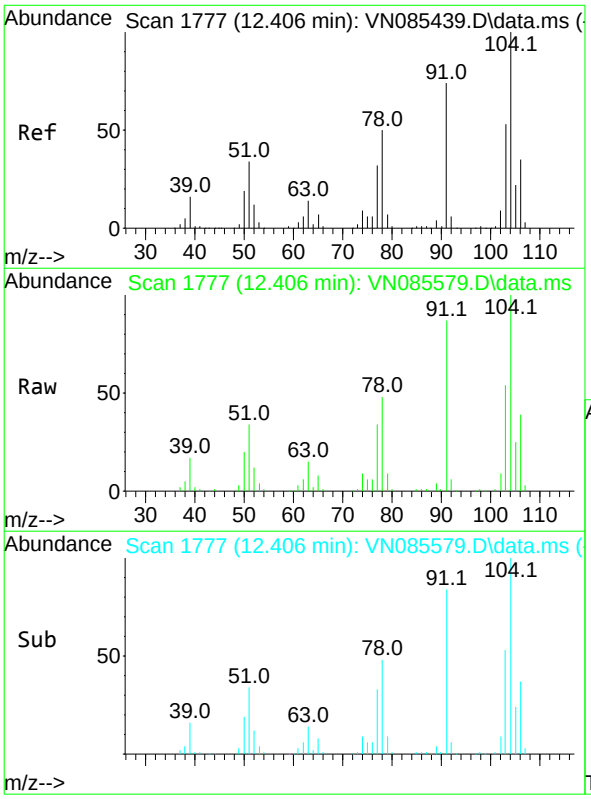
Ion	Ratio	Lower	Upper
106	100		
91	223.9	110.4	331.2



Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

Manual Integrations
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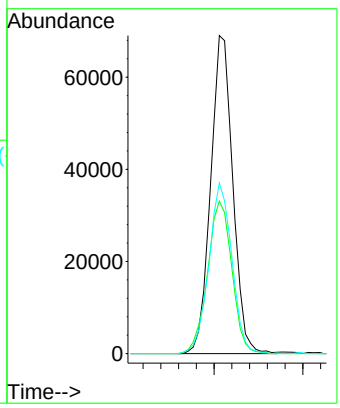
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

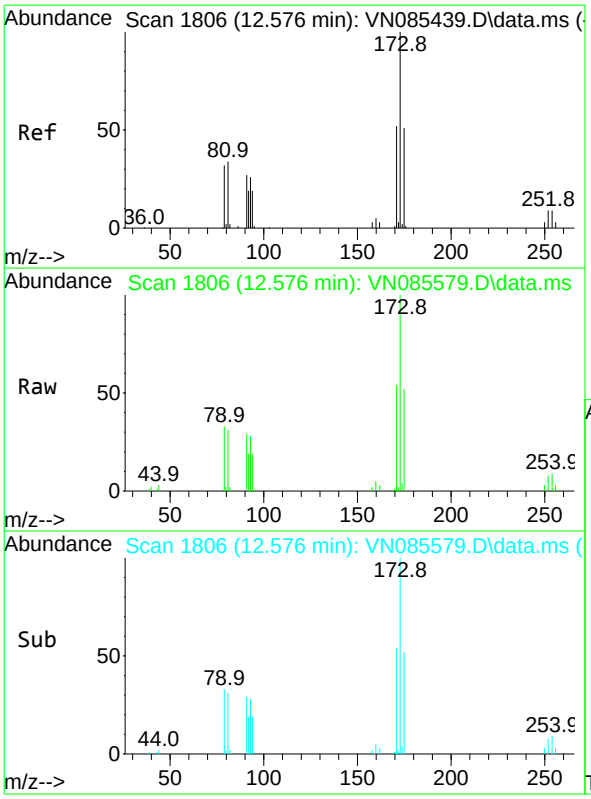


#70
Styrene
Concen: 20.692 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion:104 Resp: 119836

Ion	Ratio	Lower	Upper
104	100		
78	52.5	42.5	63.7
103	55.8	43.8	65.8





#71
Bromoform
Concen: 21.428 ug/l
RT: 12.576 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

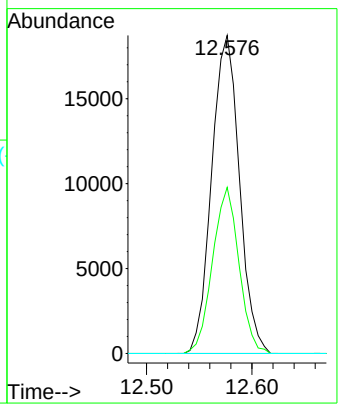
Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

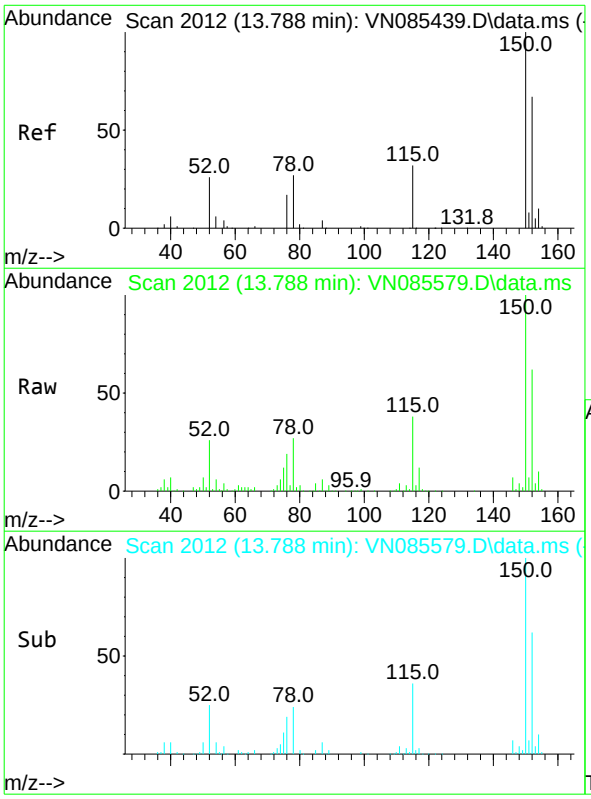
Tgt Ion:173 Resp: 34230

Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.4	73.2
254	0.0	0.0	0.0

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Supervised By :Semsettin Yesilyurt 01/31/2025

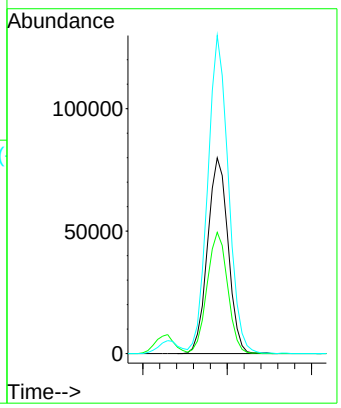


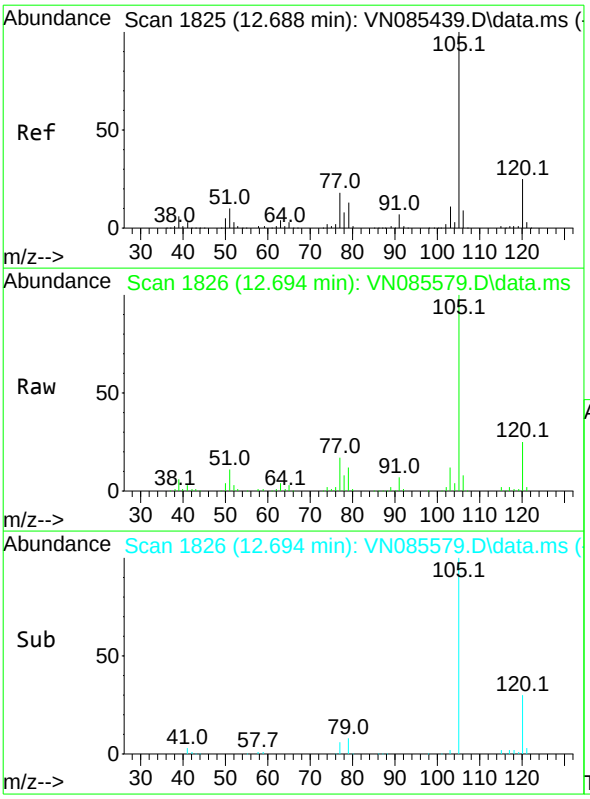


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion:152 Resp: 135461

Ion	Ratio	Lower	Upper
152	100		
115	61.8	31.1	93.3
150	163.2	0.0	343.6

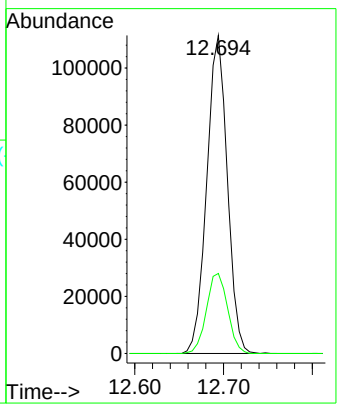




#73
Isopropylbenzene
Concen: 19.598 ug/l
RT: 12.694 min Scan# 18
Delta R.T. 0.006 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion:105 Resp: 179178

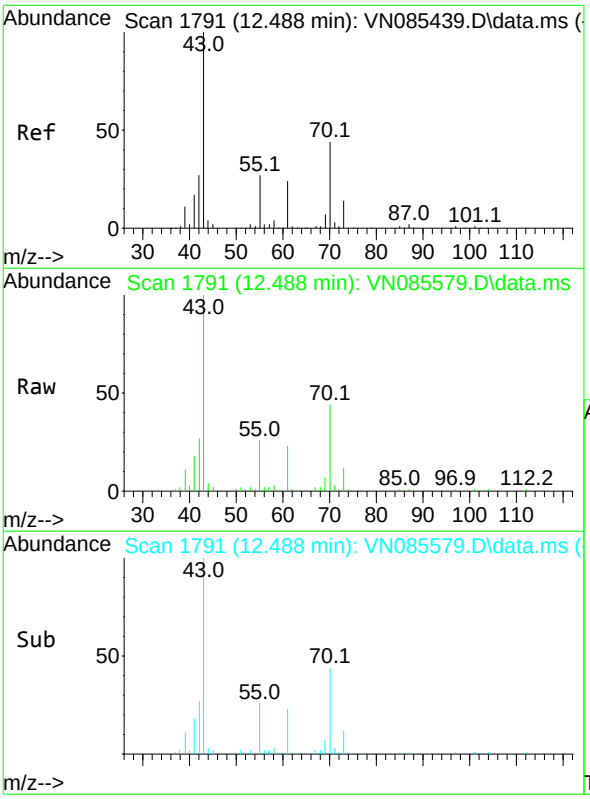
Ion	Ratio	Lower	Upper
105	100		
120	25.9	12.8	38.3



Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

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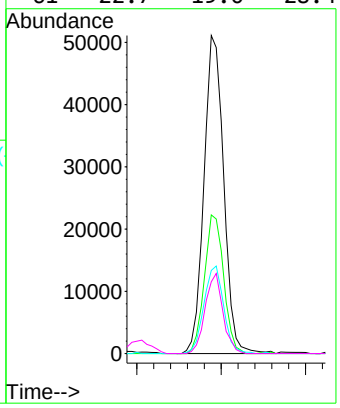
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

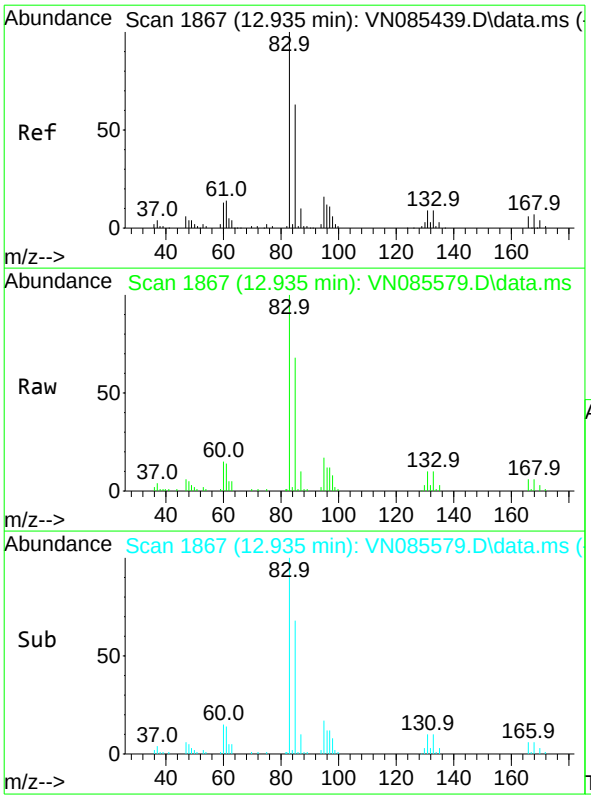


#74
N-amyl acetate
Concen: 20.222 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion: 43 Resp: 83099

Ion	Ratio	Lower	Upper
43	100		
70	42.5	34.0	51.0
55	27.6	21.4	32.2
61	22.7	19.0	28.4

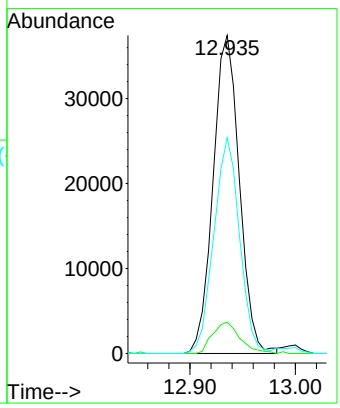




#75
1,1,2,2-Tetrachloroethane
Concen: 20.063 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion: 83 Resp: 64792

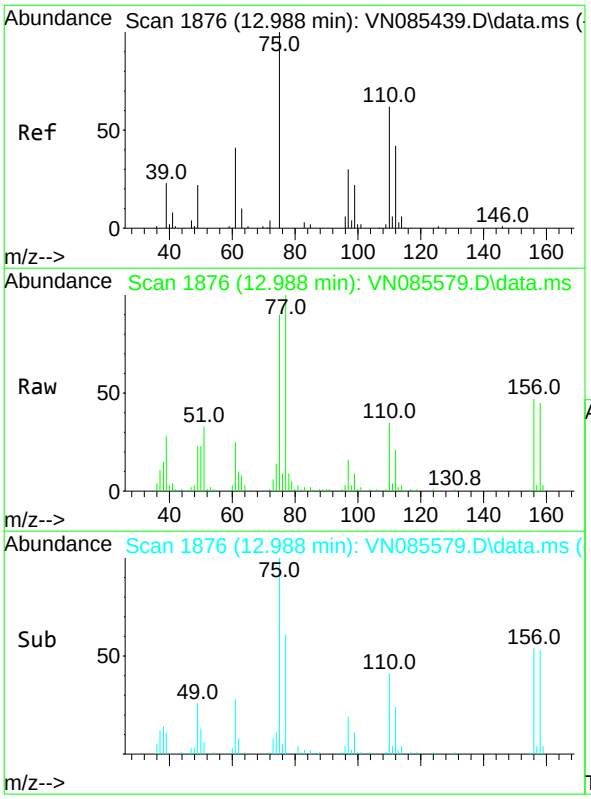
Ion	Ratio	Lower	Upper
83	100		
131	10.4	4.8	14.4
85	66.3	32.2	96.6



Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

Manual Integrations
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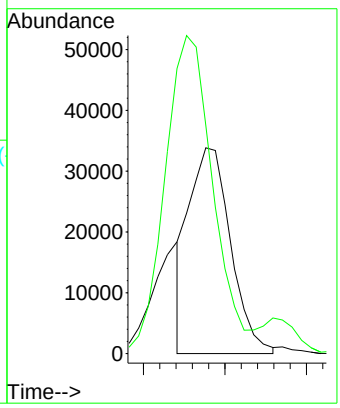
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

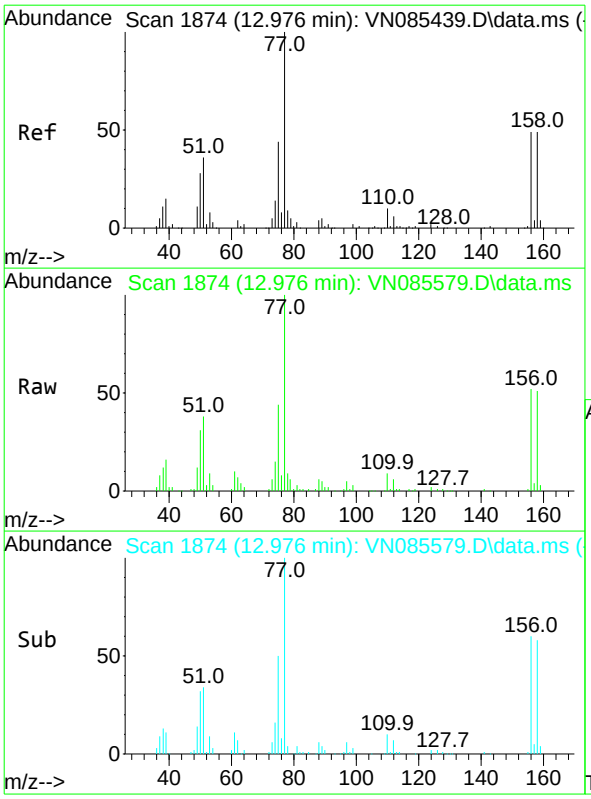


#76
1,2,3-Trichloropropane
Concen: 21.828 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion: 75 Resp: 60099

Ion	Ratio	Lower	Upper
75	100		
77	178.3	109.7	329.2





#77
Bromobenzene
Concen: 19.859 ug/l
RT: 12.976 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

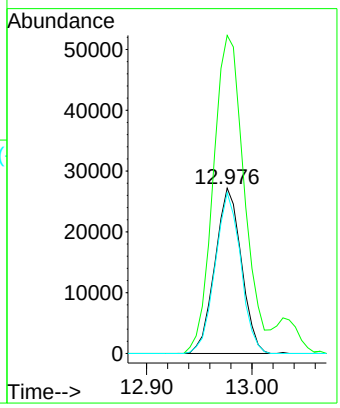
Tgt Ion:156 Resp: 47435

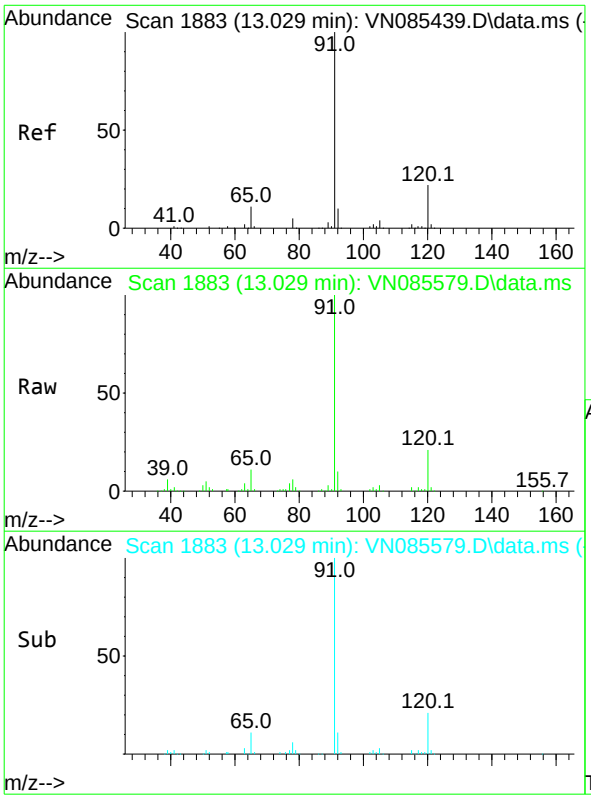
Ion	Ratio	Lower	Upper
156	100		
77	225.9	114.1	342.4
158	94.1	48.9	146.8

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

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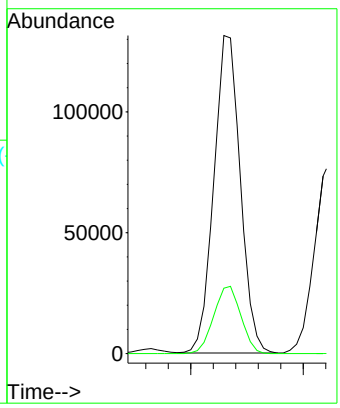


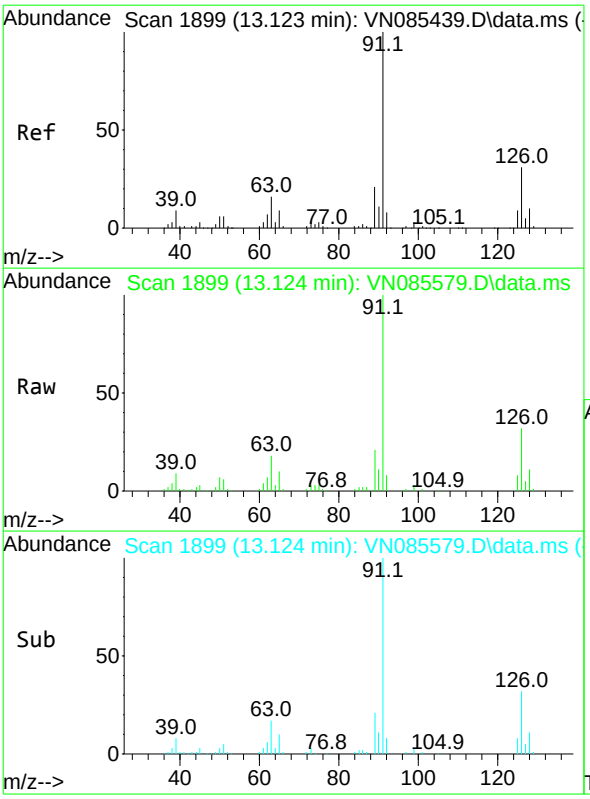


#78
n-propylbenzene
Concen: 19.810 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion: 91 Resp: 214402

Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.9	32.6





#79
2-Chlorotoluene
Concen: 19.567 ug/l
RT: 13.124 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

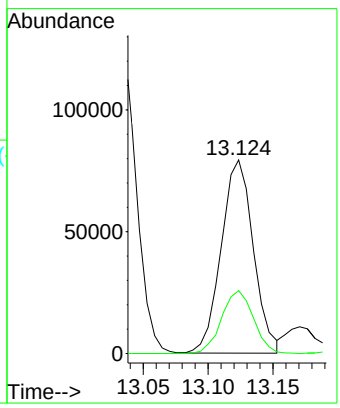
Tgt Ion: 91 Resp: 137062

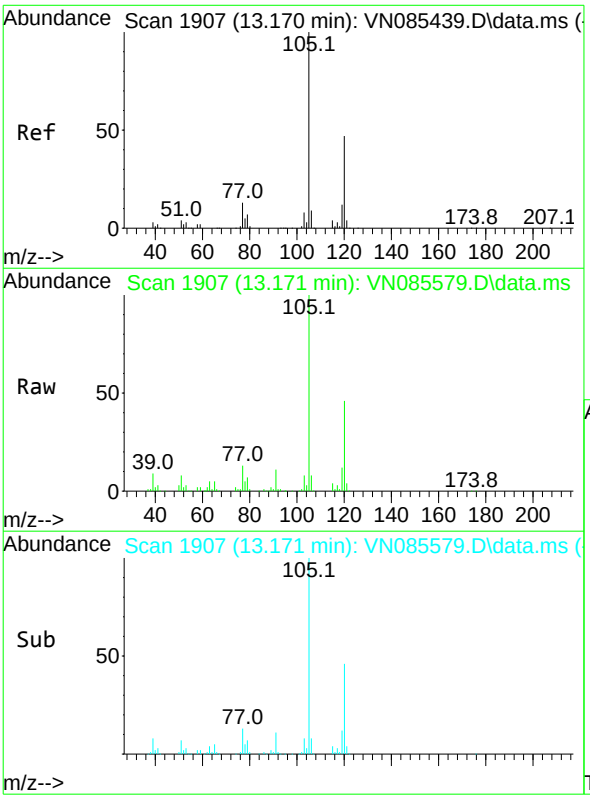
Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.7	47.1

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

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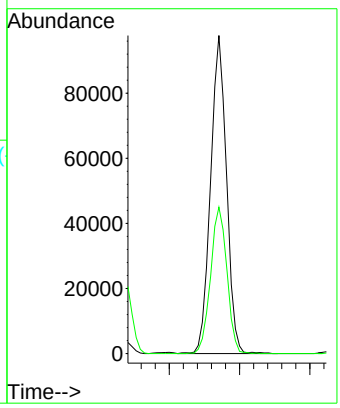


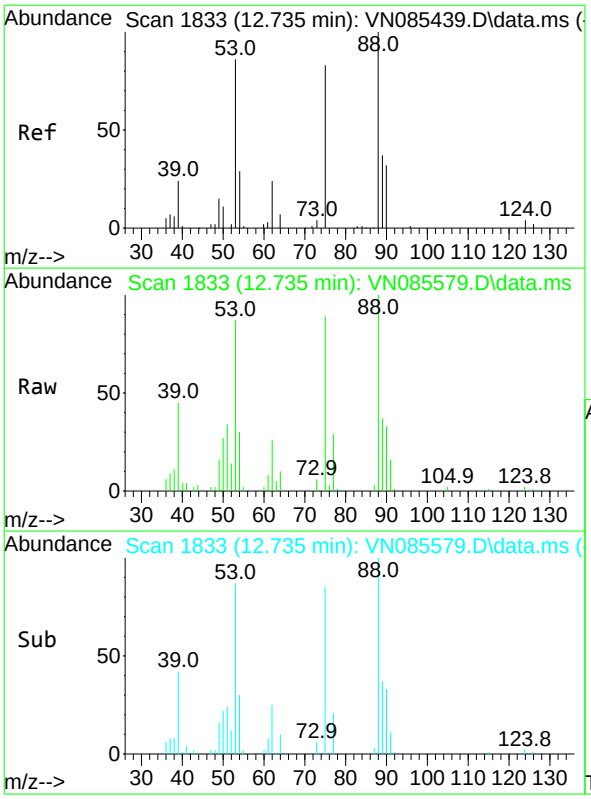


#80
1,3,5-Trimethylbenzene
Concen: 20.356 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion:105 Resp: 153722

Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.9	71.7

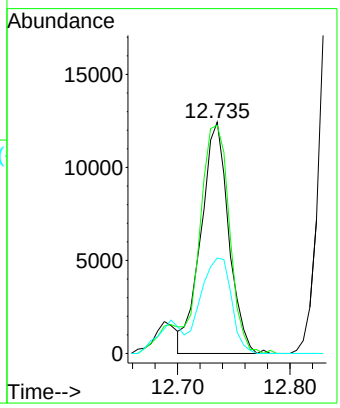




#81
trans-1,4-Dichloro-2-butene
Concen: 20.870 ug/l
RT: 12.735 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion: 75 Resp: 21238

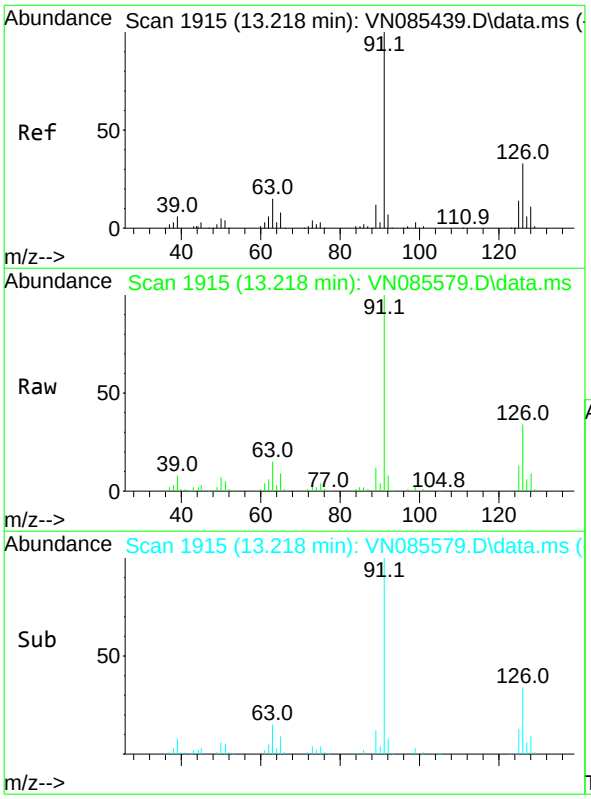
Ion	Ratio	Lower	Upper
75	100		
53	115.6	95.6	143.4
89	45.5	37.0	55.6



Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

Manual Integrations
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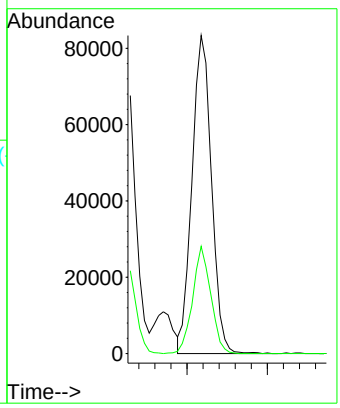
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

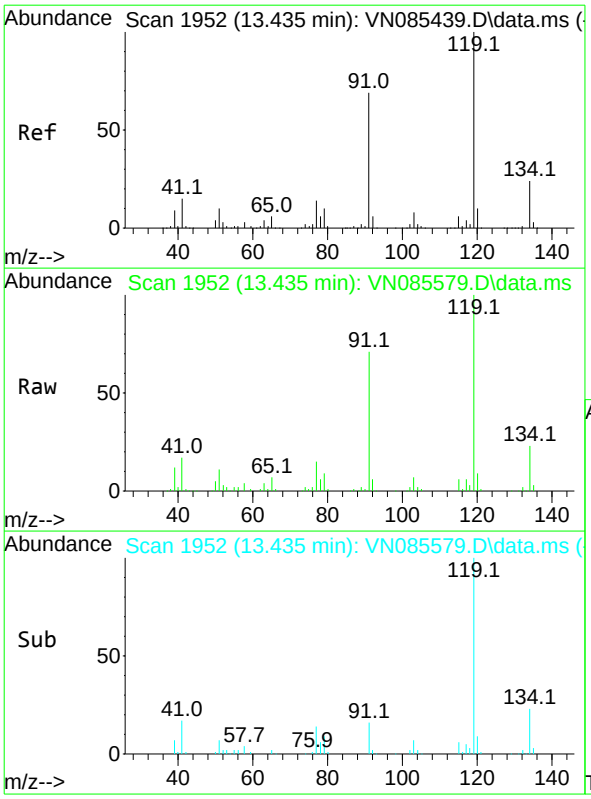


#82
4-Chlorotoluene
Concen: 20.120 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion: 91 Resp: 140328

Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.9	47.7





#83
tert-Butylbenzene
Concen: 19.266 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

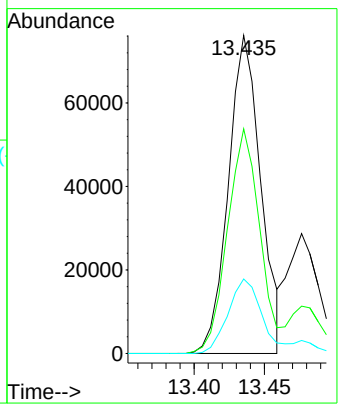
Tgt Ion:119 Resp: 122177

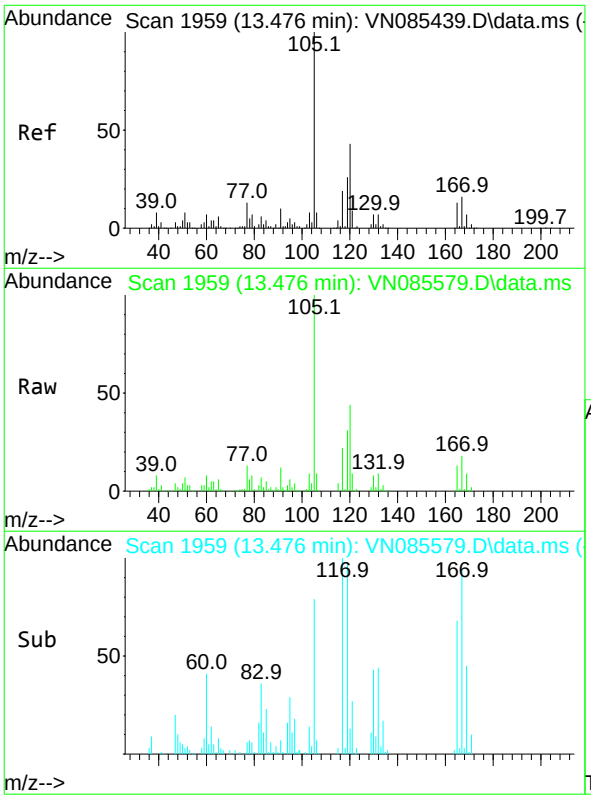
Ion	Ratio	Lower	Upper
119	100		
91	71.7	35.1	105.3
134	24.2	12.0	36.1

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

Manual Integrations
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Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

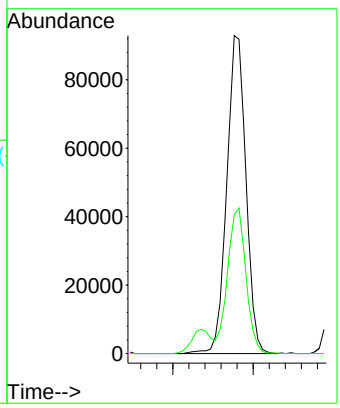


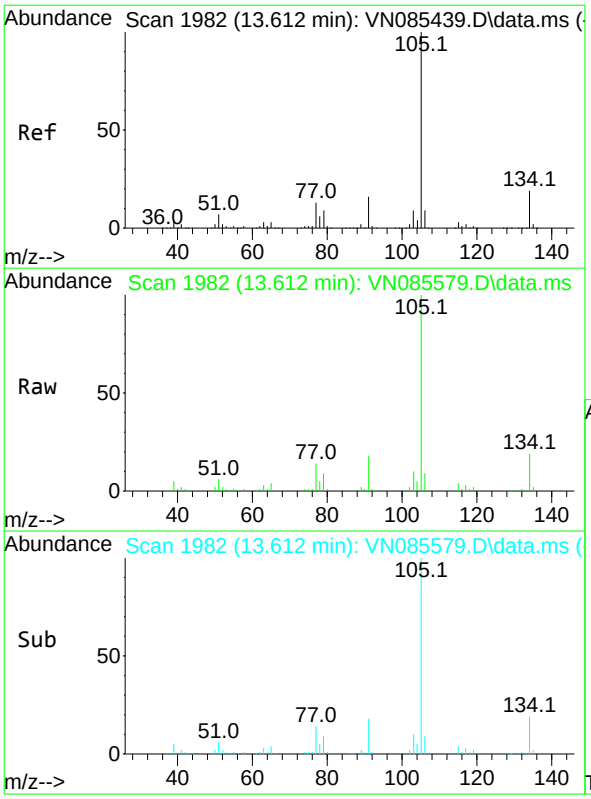


#84
1,2,4-Trimethylbenzene
Concen: 20.427 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion:105 Resp: 153744

Ion	Ratio	Lower	Upper
105	100		
120	44.0	21.6	65.0

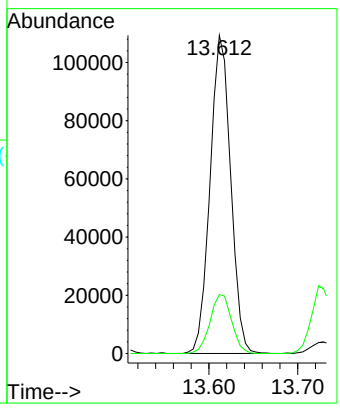




#85
sec-Butylbenzene
Concen: 20.044 ug/l
RT: 13.612 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion:105 Resp: 176174

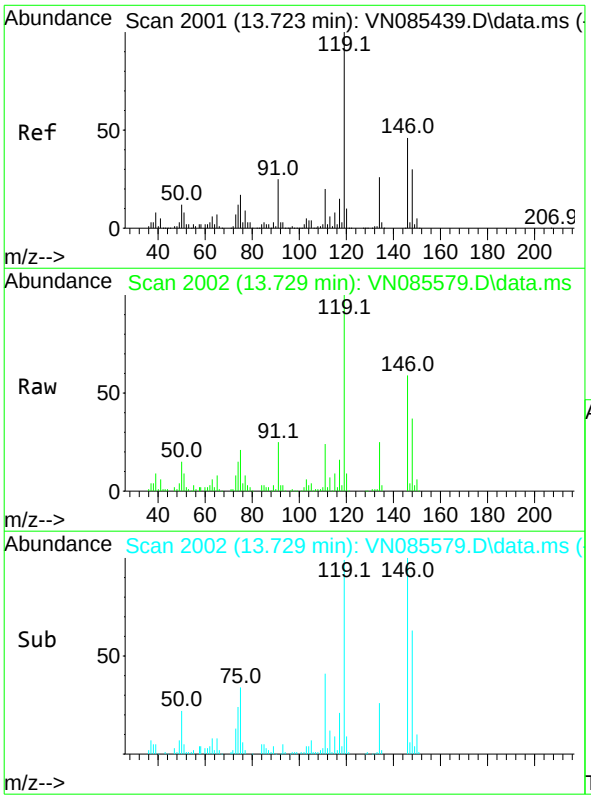
Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.7	28.9



Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

Manual Integrations
APPROVED

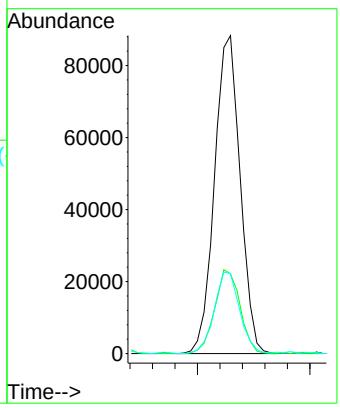
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

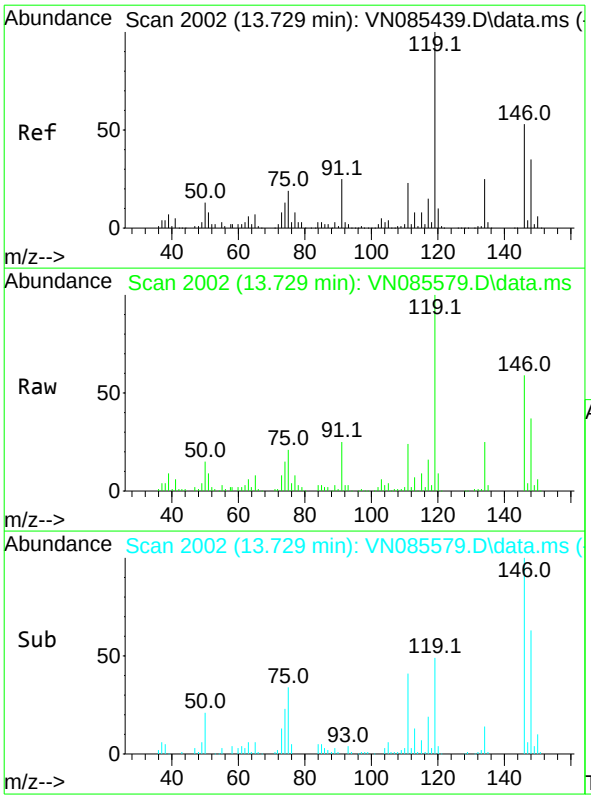


#86
p-Isopropyltoluene
Concen: 19.127 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion:119 Resp: 139790

Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.7	38.0
91	25.4	12.7	38.1

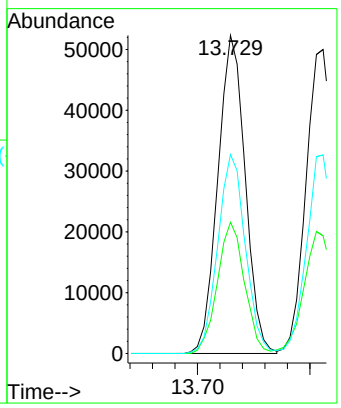




#87
1,3-Dichlorobenzene
Concen: 20.093 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion:146 Resp: 88385

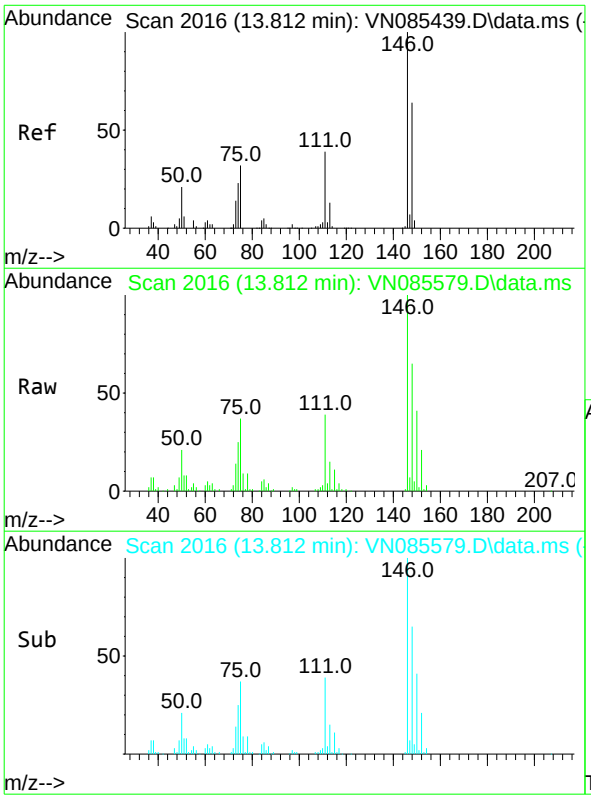
Ion	Ratio	Lower	Upper
146	100		
111	40.8	21.4	64.3
148	63.1	32.3	96.9



Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

Manual Integrations
APPROVED

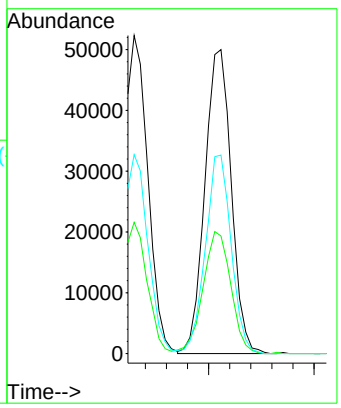
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

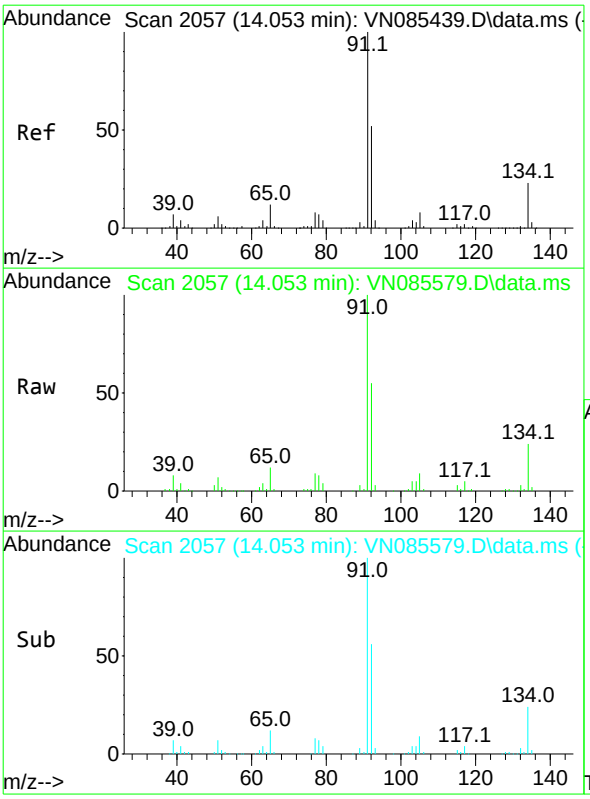


#88
1,4-Dichlorobenzene
Concen: 19.084 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion:146 Resp: 87013

Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.3	63.7
148	63.8	32.4	97.0

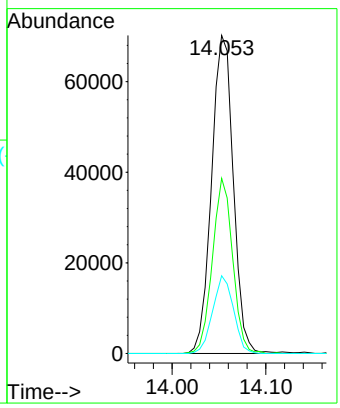




#89
n-Butylbenzene
Concen: 17.946 ug/l
RT: 14.053 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion: 91 Resp: 113160

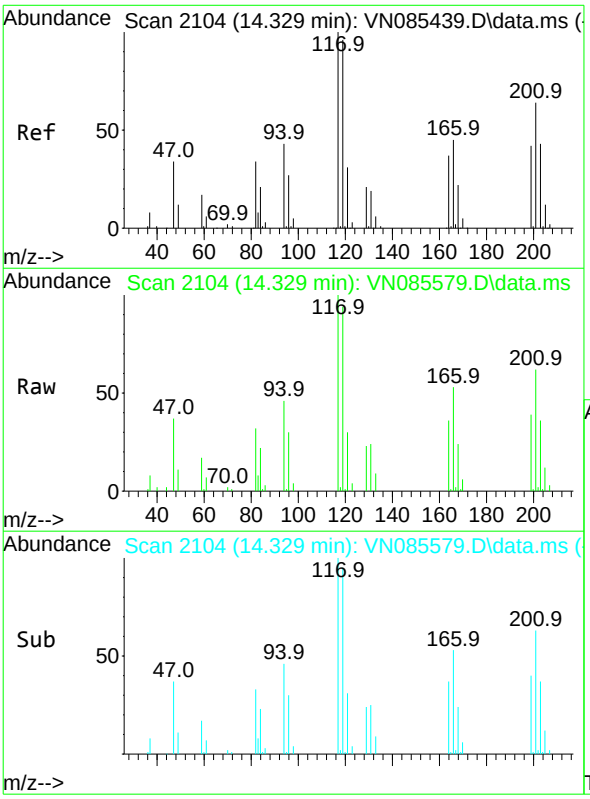
Ion	Ratio	Lower	Upper
91	100		
92	51.3	25.8	77.3
134	23.4	11.7	35.1



Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

Manual Integrations
APPROVED

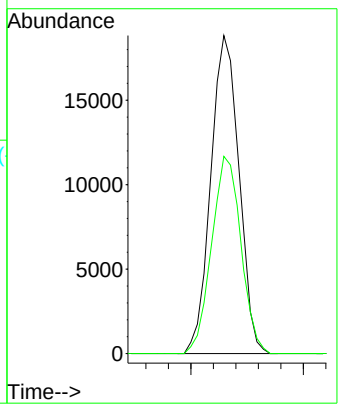
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

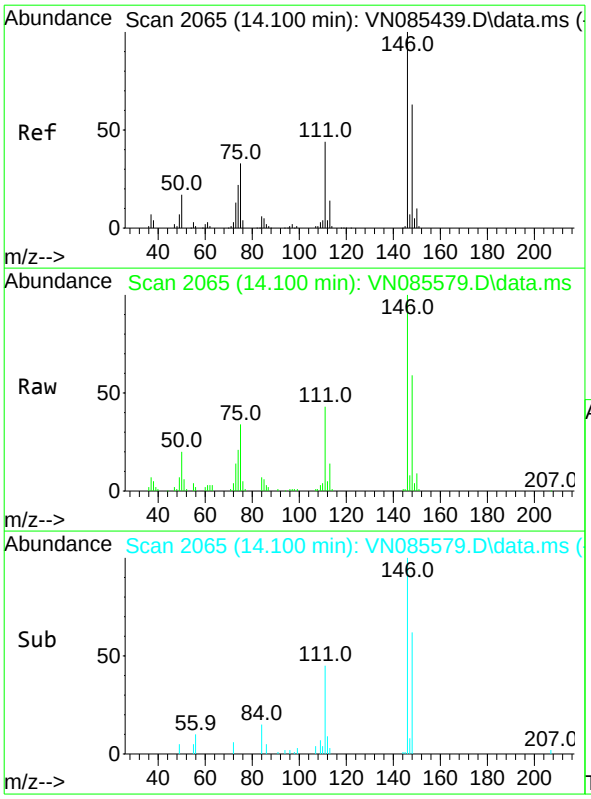


#90
Hexachloroethane
Concen: 19.605 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion:117 Resp: 32804

Ion	Ratio	Lower	Upper
117	100		
201	64.5	33.7	101.0

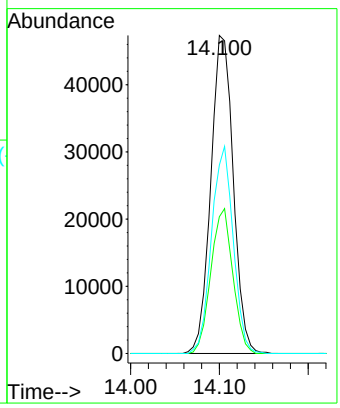




#91
1,2-Dichlorobenzene
Concen: 18.987 ug/l
RT: 14.100 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion:146 Resp: 83310

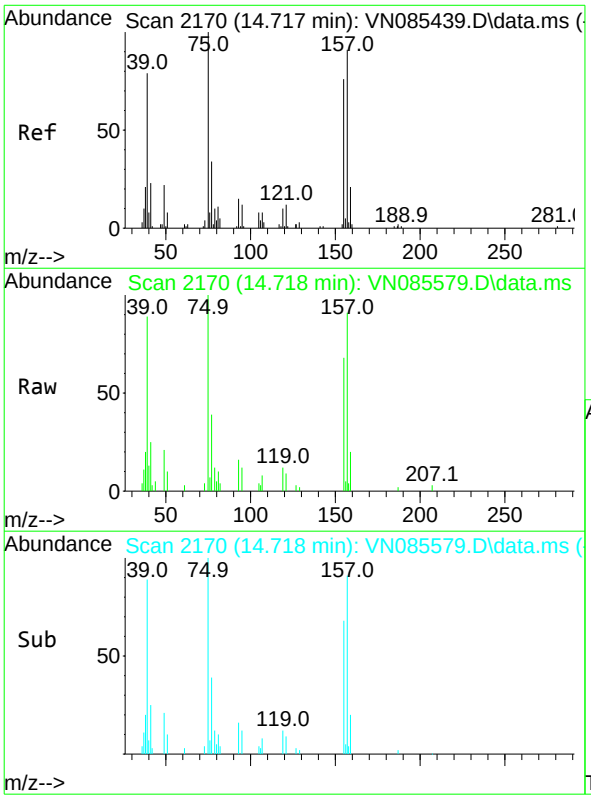
Ion	Ratio	Lower	Upper
146	100		
111	44.5	21.7	65.1
148	62.9	31.4	94.2



Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

Manual Integrations
APPROVED

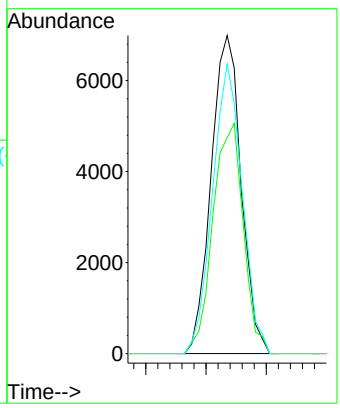
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

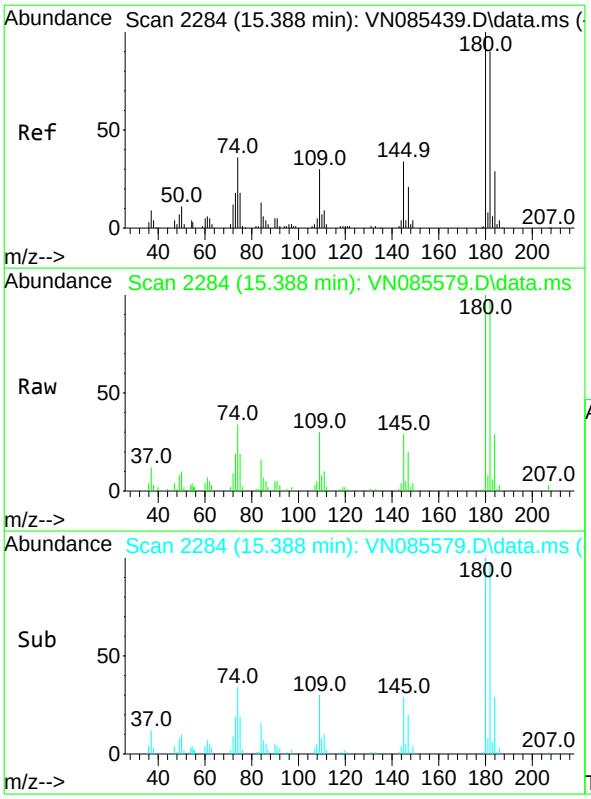


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.564 ug/l
RT: 14.718 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion: 75 Resp: 12127

Ion	Ratio	Lower	Upper
75	100		
155	73.1	36.4	109.2
157	90.2	45.4	136.1





#93
1,2,4-Trichlorobenzene
Concen: 17.961 ug/l
RT: 15.388 min Scan# 22
Delta R.T. 0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

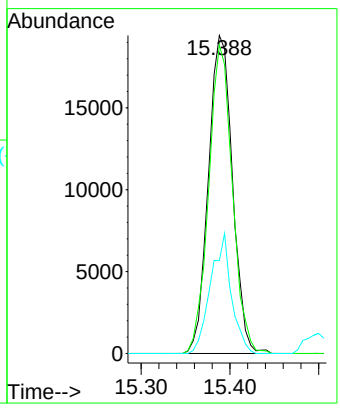
Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

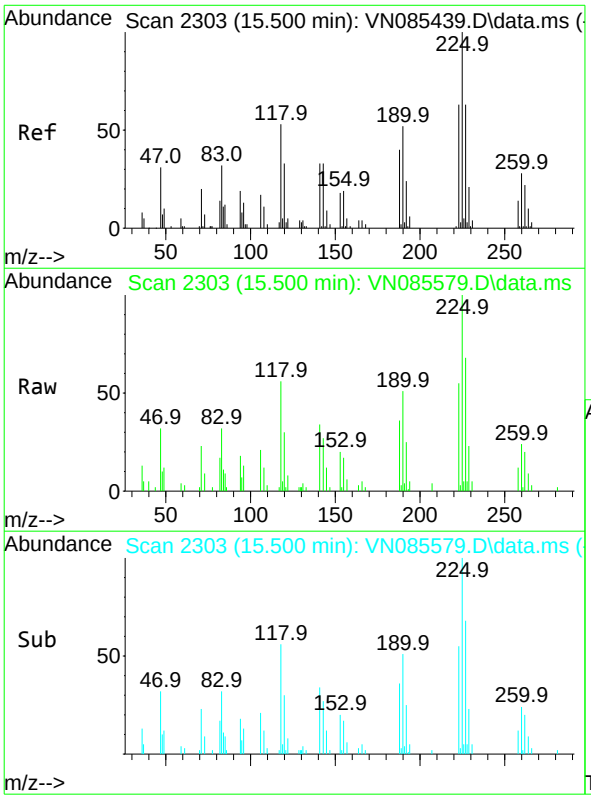
Tgt Ion:180 Resp: 36629

Ion	Ratio	Lower	Upper
180	100		
182	95.5	46.8	140.3
145	32.6	16.0	48.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

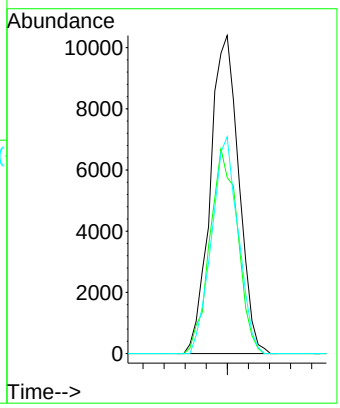


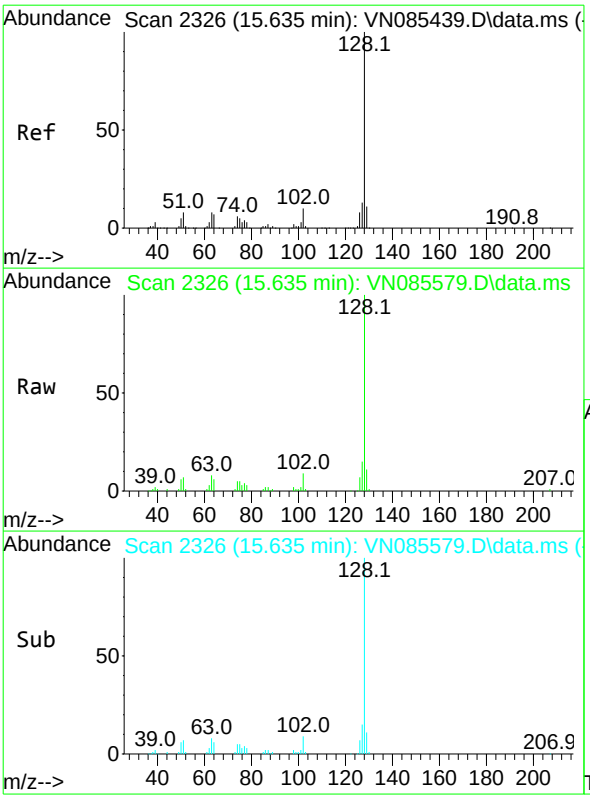


#94
Hexachlorobutadiene
Concen: 18.044 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion:225 Resp: 19536

Ion	Ratio	Lower	Upper
225	100		
223	62.6	30.7	92.1
227	63.6	30.9	92.5





#95
Naphthalene
Concen: 16.707 ug/l
RT: 15.635 min Scan# 23
Delta R.T. 0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

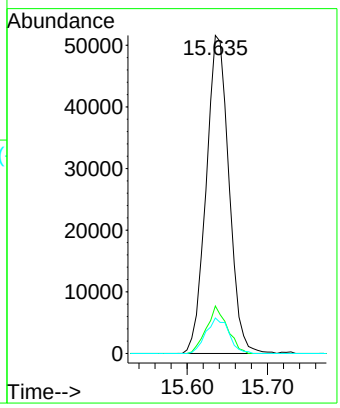
Tgt Ion:128 Resp: 101666

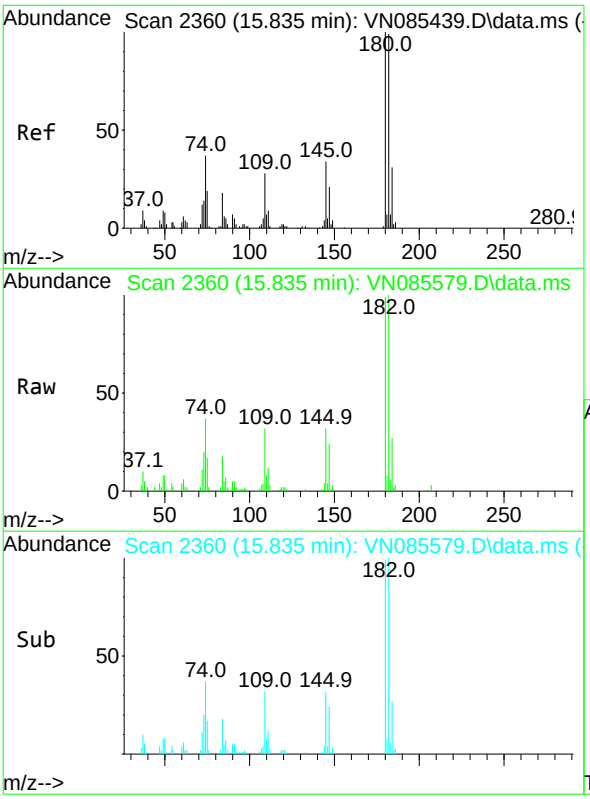
Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.6	16.0
129	11.2	8.8	13.2

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

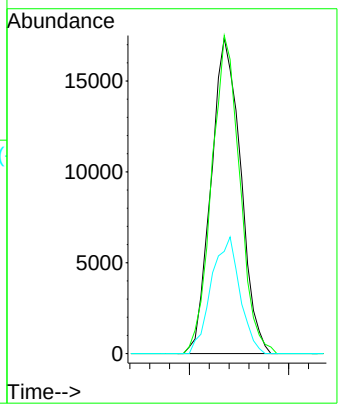




#96
1,2,3-Trichlorobenzene
Concen: 17.389 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN085579.D
Acq: 30 Jan 2025 14:56

Tgt Ion:180 Resp: 35882

Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.4	142.2
145	35.6	16.9	50.7



Raw Data: **VN085593.D**

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

Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	VN0131WBS01	SDG No.:	Q1211
Lab Sample ID:	VN0131WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085593.D	1		01/31/25 11:06	VN013125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	15.8		0.21	0.50	5.00	ug/L
74-87-3	Chloromethane	15.3		0.35	0.50	5.00	ug/L
75-01-4	Vinyl Chloride	16.8		0.34	0.75	5.00	ug/L
74-83-9	Bromomethane	17.6		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	17.6		0.56	0.50	5.00	ug/L
75-69-4	Trichlorofluoromethane	18.1		0.34	0.50	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.6		0.25	0.50	5.00	ug/L
75-35-4	1,1-Dichloroethene	17.0		0.26	0.75	5.00	ug/L
67-64-1	Acetone	96.0		1.40	3.80	25.0	ug/L
75-15-0	Carbon Disulfide	14.1		0.32	0.75	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.8		0.16	0.50	5.00	ug/L
79-20-9	Methyl Acetate	21.5		0.60	0.75	5.00	ug/L
75-09-2	Methylene Chloride	18.4		0.32	0.50	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	17.4		0.25	0.50	5.00	ug/L
75-34-3	1,1-Dichloroethane	19.1		0.23	0.50	5.00	ug/L
110-82-7	Cyclohexane	15.3		1.60	3.80	5.00	ug/L
78-93-3	2-Butanone	97.0		1.30	2.50	25.0	ug/L
56-23-5	Carbon Tetrachloride	19.0		0.25	0.50	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	17.6		0.25	0.50	5.00	ug/L
74-97-5	Bromochloromethane	19.5		0.18	0.50	5.00	ug/L
67-66-3	Chloroform	19.2		0.26	0.50	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.2		0.19	0.75	5.00	ug/L
108-87-2	Methylcyclohexane	16.1		0.19	0.50	5.00	ug/L
71-43-2	Benzene	18.9		0.16	0.50	5.00	ug/L
107-06-2	1,2-Dichloroethane	19.5		0.24	0.75	5.00	ug/L
79-01-6	Trichloroethene	18.3		0.32	0.75	5.00	ug/L
78-87-5	1,2-Dichloropropane	19.0		0.19	0.50	5.00	ug/L
75-27-4	Bromodichloromethane	20.3		0.24	0.50	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.75	2.50	25.0	ug/L
108-88-3	Toluene	19.7		0.18	0.50	5.00	ug/L

Raw Data: **VN085593.D**

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

Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	VN0131WBS01	SDG No.:	Q1211
Lab Sample ID:	VN0131WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085593.D	1		01/31/25 11:06	VN013125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.8		0.21	0.50	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.4		0.18	0.50	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.5		0.21	0.50	5.00	ug/L
591-78-6	2-Hexanone	110		1.10	2.50	25.0	ug/L
124-48-1	Dibromochloromethane	20.0		0.18	0.50	5.00	ug/L
106-93-4	1,2-Dibromoethane	19.5		0.16	0.50	5.00	ug/L
127-18-4	Tetrachloroethene	20.2		0.25	0.50	5.00	ug/L
108-90-7	Chlorobenzene	18.9		0.13	0.50	5.00	ug/L
100-41-4	Ethyl Benzene	18.6		0.16	0.50	5.00	ug/L
179601-23-1	m/p-Xylenes	39.9		0.31	1.00	10.0	ug/L
95-47-6	o-Xylene	18.9		0.14	0.50	5.00	ug/L
100-42-5	Styrene	18.9		0.16	0.50	5.00	ug/L
75-25-2	Bromoform	20.4		0.21	0.50	5.00	ug/L
98-82-8	Isopropylbenzene	19.3		0.13	0.50	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.0		0.27	0.50	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.9		0.24	0.50	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.8		0.27	0.50	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.1		0.19	0.50	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	19.0		0.46	2.00	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	16.9		0.42	0.50	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	17.4		0.51	0.50	5.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.3		81 - 118		101%	SPK: 50
1868-53-7	Dibromofluoromethane	52.5		80 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	53.6		89 - 112		107%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.8		85 - 114		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	193000	8.224				
540-36-3	1,4-Difluorobenzene	321000	9.1				
3114-55-4	Chlorobenzene-d5	286000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	135000	13.788				

Raw Data: **VN085593.D**

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

Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	VN0131WBS01	SDG No.:	Q1211
Lab Sample ID:	VN0131WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085593.D	1		01/31/25 11:06	VN013125

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: **VN085593.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013125\
Data File : VN085593.D
Acq On : 31 Jan 2025 11:06
Operator : JC\MD
Sample : VN0131WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 31 22:24:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0131WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	192673	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	320848	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	286465	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	135464	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	156371	50.278	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.560%			
35) Dibromofluoromethane	8.165	113	116861	52.501	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.000%			
50) Toluene-d8	10.565	98	423886	53.598	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.200%			
62) 4-Bromofluorobenzene	12.847	95	137397	50.788	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.580%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	41293	15.829	ug/l	99
3) Chloromethane	2.359	50	43303	15.331	ug/l	97
4) Vinyl Chloride	2.512	62	47683	16.795	ug/l	89
5) Bromomethane	2.959	94	30192	17.605	ug/l	89
6) Chloroethane	3.124	64	31734	17.631	ug/l	90
7) Trichlorofluoromethane	3.495	101	74659	18.124	ug/l	91
8) Diethyl Ether	3.959	74	23279	16.358	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.365	101	43198	18.618	ug/l	99
10) Methyl Iodide	4.589	142	46104	17.352	ug/l	94
11) Tert butyl alcohol	5.512	59	35618	100.014	ug/l #	85
12) 1,1-Dichloroethene	4.342	96	35063	16.956	ug/l	99
13) Acrolein	4.183	56	30327	62.382	ug/l	95
14) Allyl chloride	5.018	41	54768	16.322	ug/l	99
15) Acrylonitrile	5.718	53	109503	96.803	ug/l	99
16) Acetone	4.424	43	96448	95.976	ug/l	94
17) Carbon Disulfide	4.712	76	89788	14.103	ug/l	97
18) Methyl Acetate	5.018	43	65797	21.532	ug/l	100
19) Methyl tert-butyl Ether	5.794	73	126200	18.795	ug/l	97
20) Methylene Chloride	5.271	84	45794	18.408	ug/l	98
21) trans-1,2-Dichloroethene	5.789	96	38369	17.362	ug/l	93
22) Diisopropyl ether	6.671	45	143433	19.259	ug/l	97
23) Vinyl Acetate	6.600	43	475426	91.217	ug/l	100
24) 1,1-Dichloroethane	6.571	63	86655	19.082	ug/l	100
25) 2-Butanone	7.483	43	143410	96.976	ug/l	98
26) 2,2-Dichloropropane	7.483	77	75360	20.525	ug/l	100
27) cis-1,2-Dichloroethene	7.488	96	45788	17.591	ug/l	96
28) Bromochloromethane	7.812	49	41206	19.503	ug/l	100
29) Tetrahydrofuran	7.835	42	91268	97.344	ug/l	99
30) Chloroform	7.965	83	89934	19.161	ug/l	95
31) Cyclohexane	8.253	56	60554	15.341	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	78856	19.154	ug/l	98
36) 1,1-Dichloropropene	8.371	75	56124	17.965	ug/l	97
37) Ethyl Acetate	7.559	43	59547	18.884	ug/l	99
38) Carbon Tetrachloride	8.359	117	68090	19.038	ug/l	98
39) Methylcyclohexane	9.600	83	47355	16.131	ug/l	95
40) Benzene	8.606	78	176989	18.856	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013125\
Data File : VN085593.D
Acq On : 31 Jan 2025 11:06
Operator : JC\MD
Sample : VN0131WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 31 22:24:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0131WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.771	41	33484	20.411 ug/l	95
42) 1,2-Dichloroethane	8.671	62	69061	19.535 ug/l	100
43) Isopropyl Acetate	8.682	43	102099	20.207 ug/l	99
44) Trichloroethene	9.347	130	39952	18.285 ug/l	98
45) 1,2-Dichloropropane	9.618	63	45593	19.016 ug/l	99
46) Dibromomethane	9.706	93	33666	19.460 ug/l	99
47) Bromodichloromethane	9.888	83	71425	20.265 ug/l	96
48) Methyl methacrylate	9.677	41	45383	19.959 ug/l	98
49) 1,4-Dioxane	9.694	88	14866	388.248 ug/l #	82
51) 4-Methyl-2-Pentanone	10.441	43	312333	106.528 ug/l	99
52) Toluene	10.629	92	106928	19.660 ug/l	96
53) t-1,3-Dichloropropene	10.835	75	65874	19.777 ug/l	96
54) cis-1,3-Dichloropropene	10.312	75	68879	19.360 ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	44068	20.474 ug/l	97
56) Ethyl methacrylate	10.871	69	59018	17.580 ug/l	97
57) 1,3-Dichloropropane	11.159	76	75438	20.157 ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	103394	75.697 ug/l	98
59) 2-Hexanone	11.194	43	223307	108.244 ug/l	97
60) Dibromochloromethane	11.353	129	51998	20.010 ug/l	98
61) 1,2-Dibromoethane	11.471	107	41782	19.501 ug/l	99
64) Tetrachloroethene	11.100	164	39360	20.154 ug/l	97
65) Chlorobenzene	11.888	112	118461	18.877 ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	45402	19.712 ug/l	99
67) Ethyl Benzene	11.959	91	189996	18.588 ug/l	100
68) m/p-Xylenes	12.070	106	150545	39.852 ug/l	97
69) o-Xylene	12.394	106	68176	18.885 ug/l	99
70) Styrene	12.406	104	113181	18.944 ug/l	97
71) Bromoform	12.576	173	33682	20.438 ug/l #	100
73) Isopropylbenzene	12.694	105	176447	19.299 ug/l	99
74) N-amyl acetate	12.488	43	77354	18.824 ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	64490	19.969 ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	52234m	18.971 ug/l	
77) Bromobenzene	12.976	156	45326	18.976 ug/l	98
78) n-propylbenzene	13.035	91	211911	19.579 ug/l	100
79) 2-Chlorotoluene	13.123	91	135337	19.320 ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	151009	19.996 ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	19703	19.361 ug/l	99
82) 4-Chlorotoluene	13.217	91	134471	19.280 ug/l	99
83) tert-Butylbenzene	13.435	119	118897	18.748 ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	150071	19.938 ug/l	100
85) sec-Butylbenzene	13.612	105	169773	19.315 ug/l	99
86) p-Isopropyltoluene	13.729	119	135685	18.592 ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	83123	18.896 ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	85651	18.785 ug/l	97
89) n-Butylbenzene	14.053	91	111994	17.761 ug/l	100
90) Hexachloroethane	14.329	117	31211	18.652 ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	79551	18.130 ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.717	75	11200	18.991 ug/l	99
93) 1,2,4-Trichlorobenzene	15.388	180	34537	16.935 ug/l	97
94) Hexachlorobutadiene	15.500	225	19804	18.291 ug/l	99
95) Naphthalene	15.641	128	96159	15.801 ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	36004	17.448 ug/l	97

Sample Results: **VN085593.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013125\
Data File : VN085593.D
Acq On : 31 Jan 2025 11:06
Operator : JC\MD
Sample : VN0131WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 31 22:24:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0131WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

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

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

Sample Results: **VN085593.D**

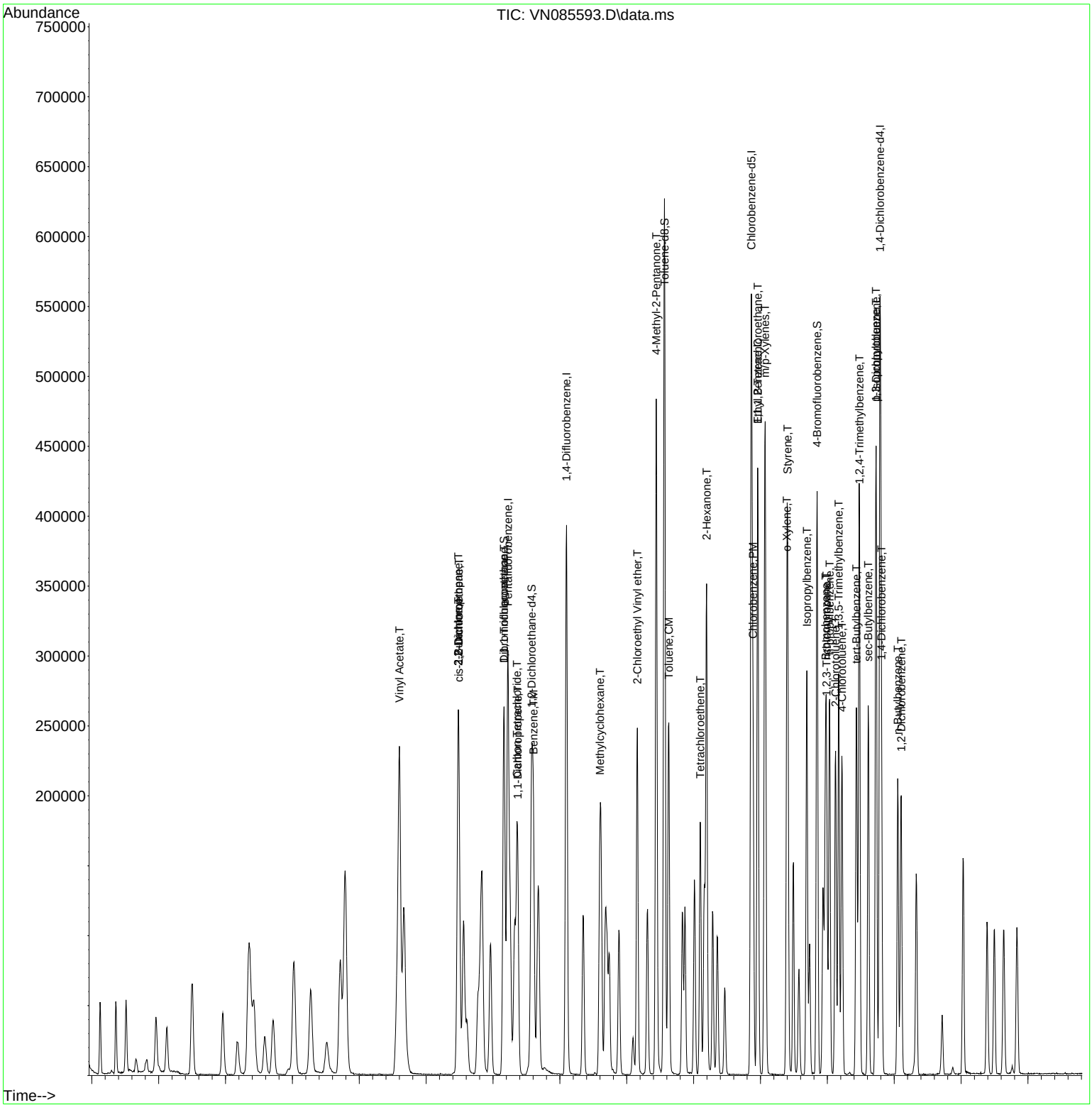
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Data File : VN085593.D
Acq On : 31 Jan 2025 11:06
Operator : JC\MD
Sample : VN0131WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

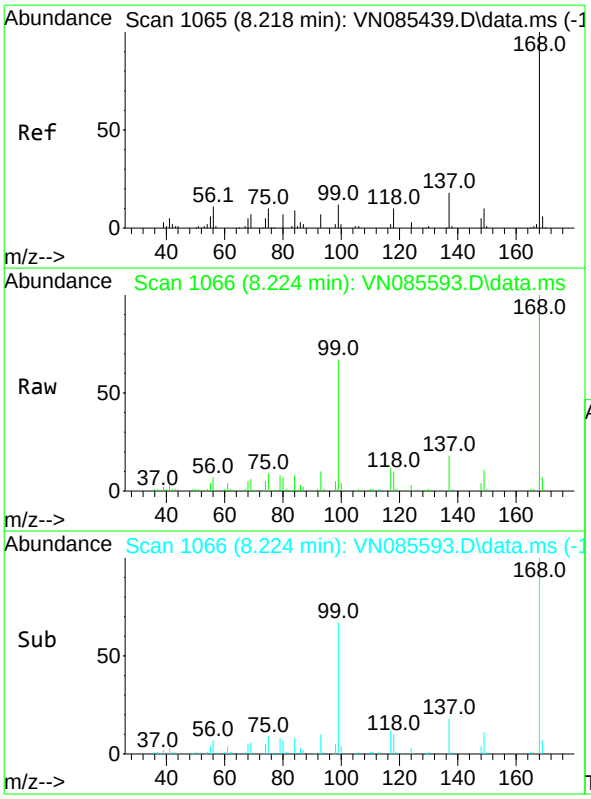
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Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0131WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

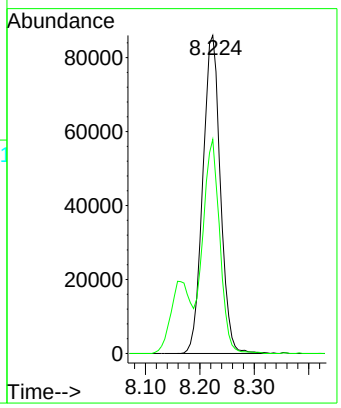




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion:168 Resp: 192673

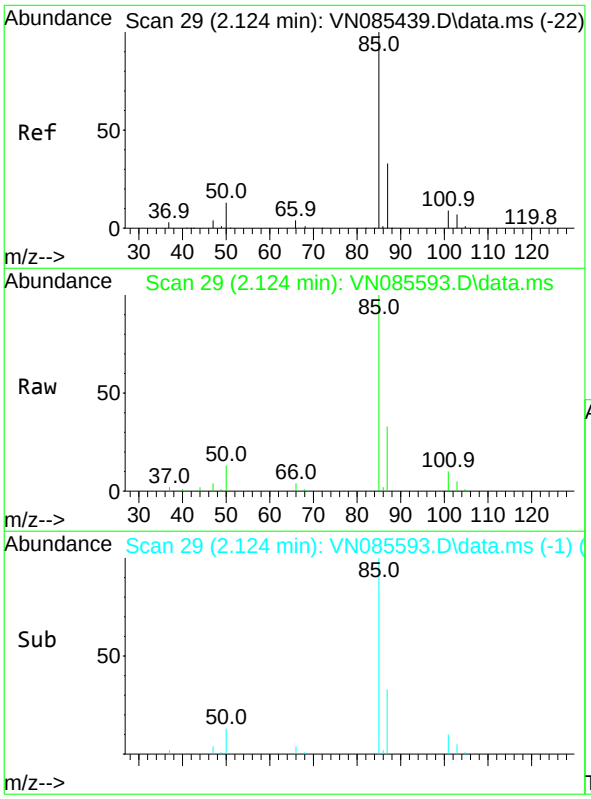
Ion	Ratio	Lower	Upper
168	100		
99	67.3	53.6	80.4



Instrument :
MSVOA_N
ClientSampleId :
VN0131WBS01

Manual Integrations
APPROVED

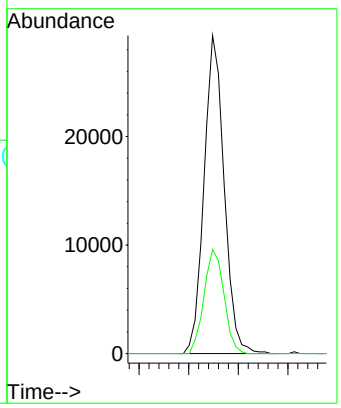
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

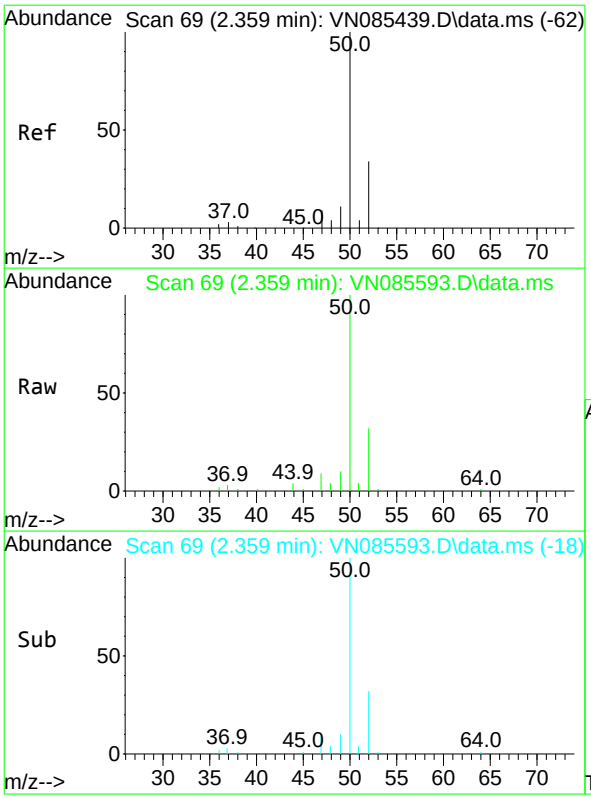


#2
Dichlorodifluoromethane
Concen: 15.829 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion: 85 Resp: 41293

Ion	Ratio	Lower	Upper
85	100		
87	32.7	16.7	50.1

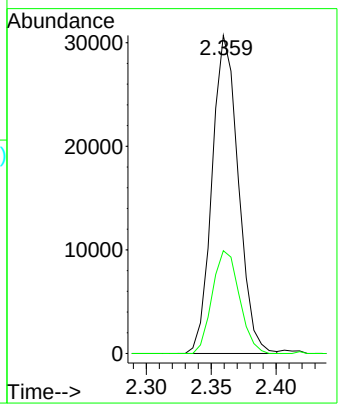




#3
Chloromethane
Concen: 15.331 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion: 50 Resp: 43303

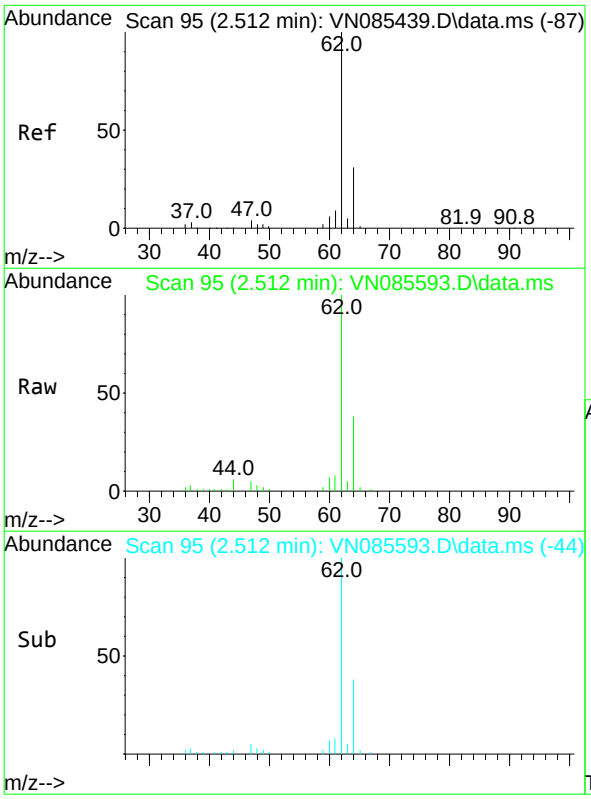
Ion	Ratio	Lower	Upper
50	100		
52	32.3	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VN0131WBS01

Manual Integrations
APPROVED

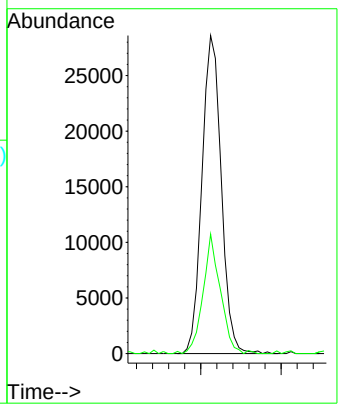
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

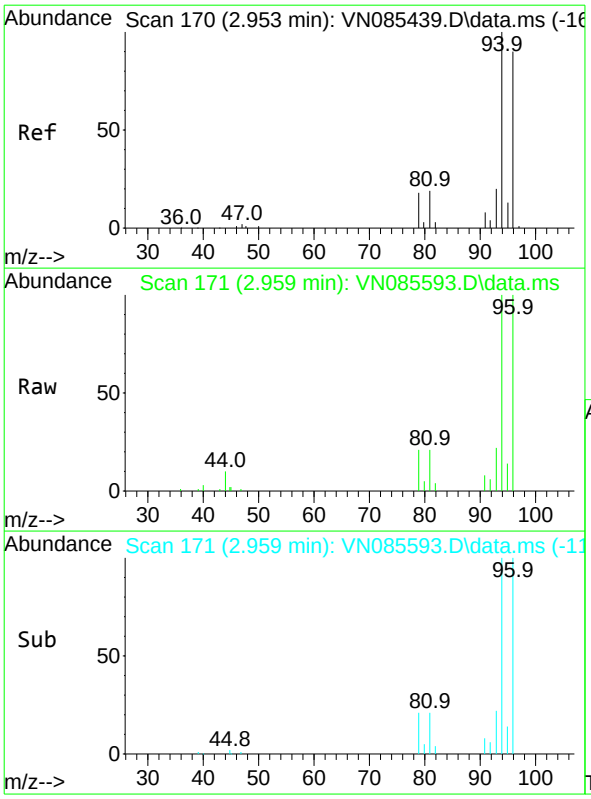


#4
Vinyl Chloride
Concen: 16.795 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion: 62 Resp: 47683

Ion	Ratio	Lower	Upper
62	100		
64	36.9	24.8	37.2

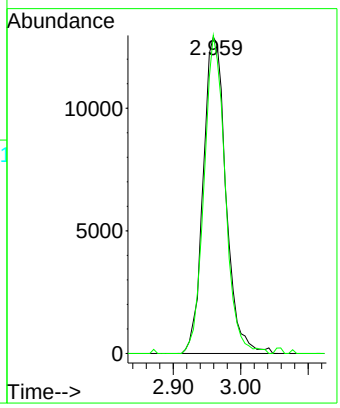




#5
Bromomethane
Concen: 17.605 ug/l
RT: 2.959 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion: 94 Resp: 30192

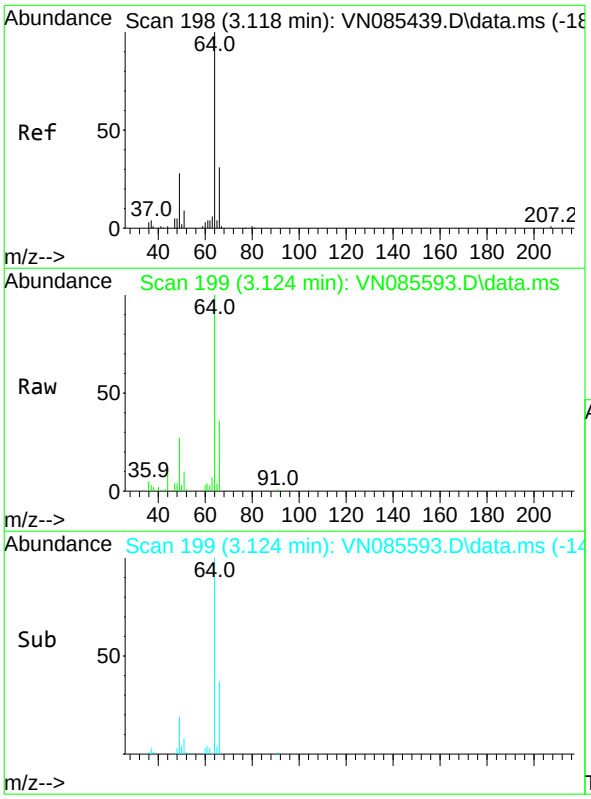
Ion	Ratio	Lower	Upper
94	100		
96	100.5	71.8	107.6



Instrument :
MSVOA_N
ClientSampleId :
VN0131WBS01

Manual Integrations
APPROVED

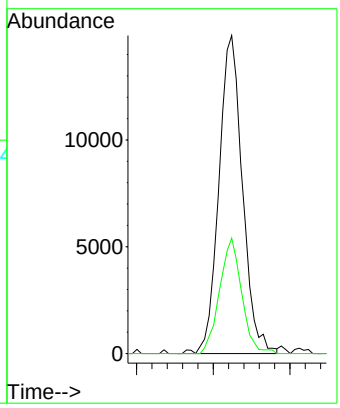
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

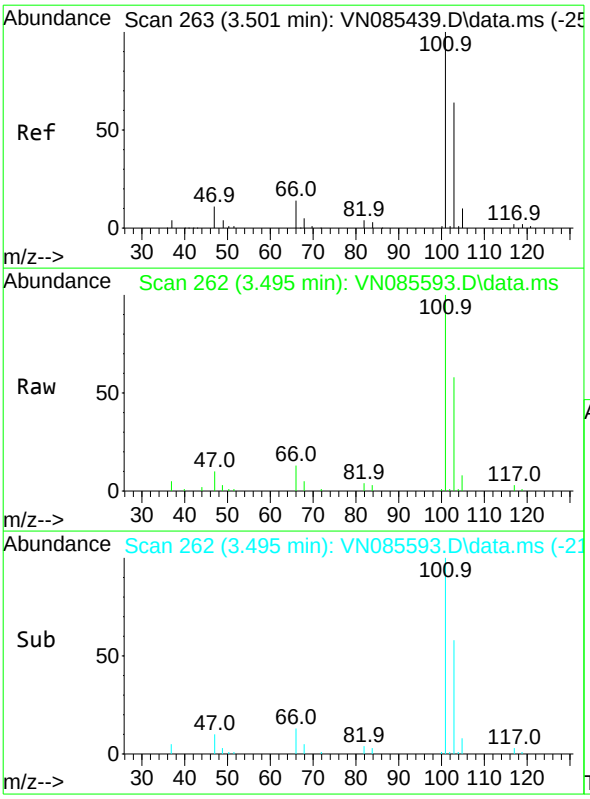


#6
Chloroethane
Concen: 17.631 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion: 64 Resp: 31734

Ion	Ratio	Lower	Upper
64	100		
66	36.3	24.6	36.8

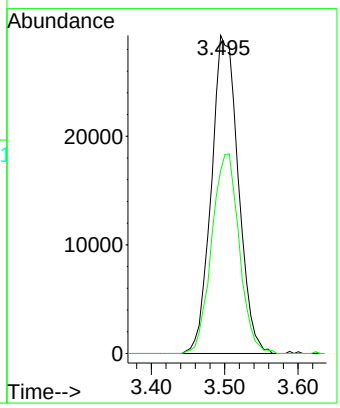




#7
Trichlorofluoromethane
Concen: 18.124 ug/l
RT: 3.495 min Scan# 26
Delta R.T. -0.006 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion:101 Resp: 74659

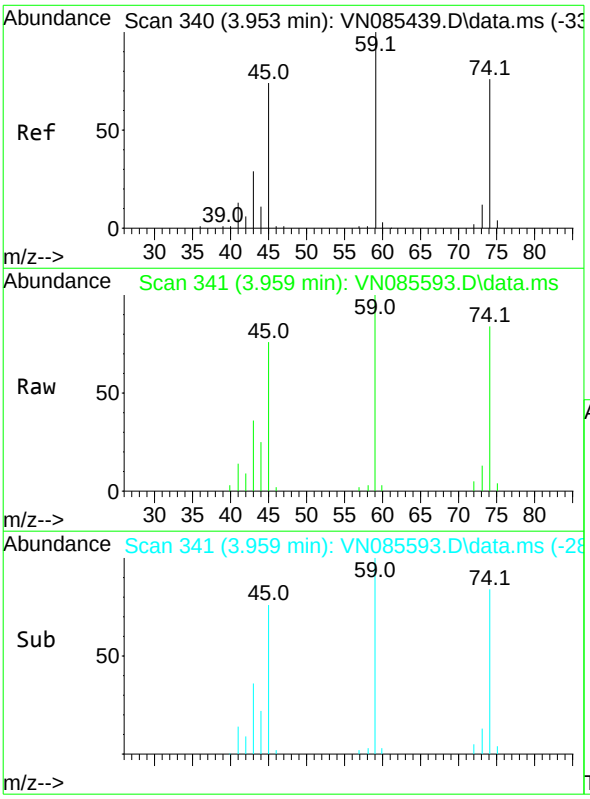
Ion	Ratio	Lower	Upper
101	100		
103	57.6	51.4	77.2



Instrument :
MSVOA_N
ClientSampleId :
VN0131WBS01

Manual Integrations
APPROVED

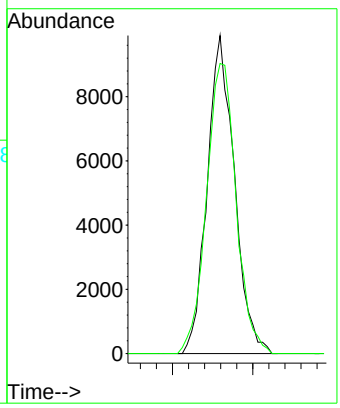
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

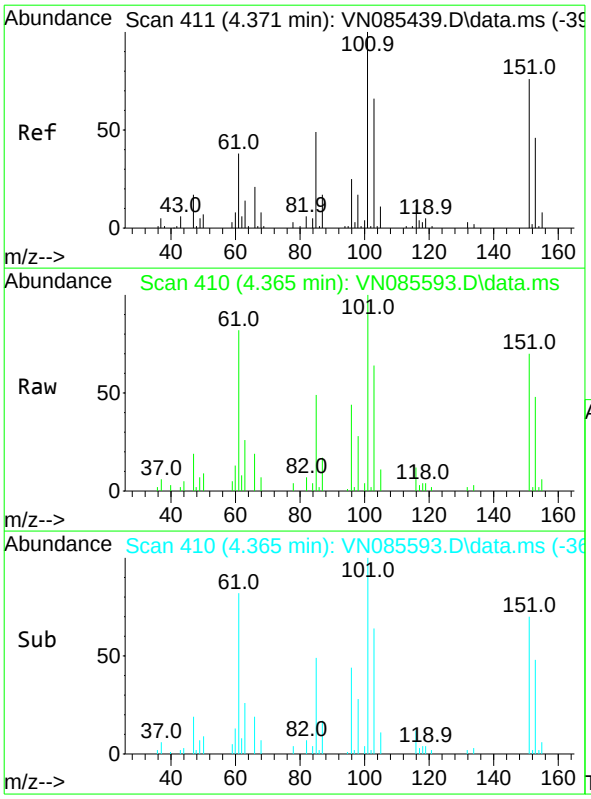


#8
Diethyl Ether
Concen: 16.358 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.006 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion: 74 Resp: 23279

Ion	Ratio	Lower	Upper
74	100		
45	99.4	49.7	149.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.618 ug/l
RT: 4.365 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

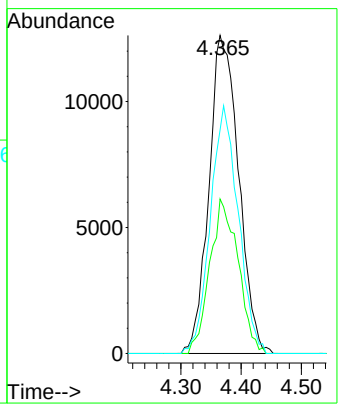
Instrument :
MSVOA_N
ClientSampleId :
VN0131WBS01

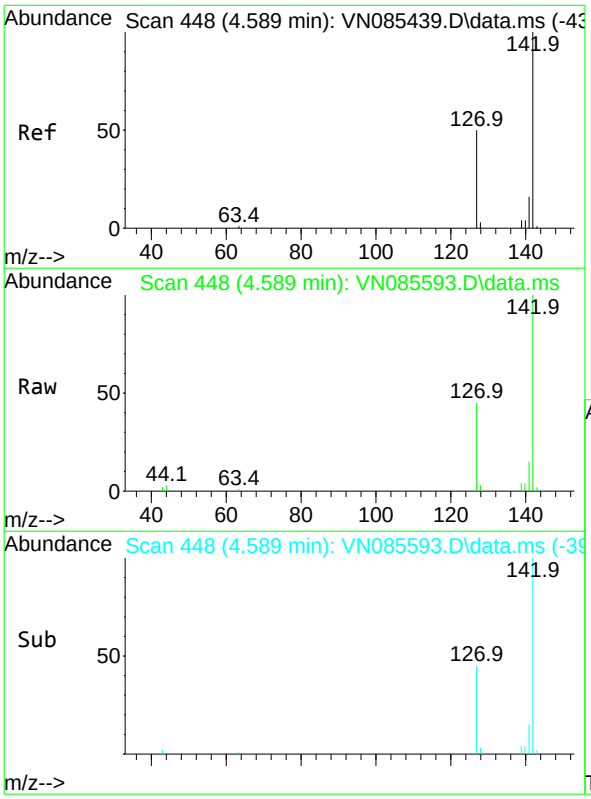
Tgt Ion:101 Resp: 43198

Ion	Ratio	Lower	Upper
101	100		
85	46.3	37.8	56.8
151	73.3	58.8	88.2

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

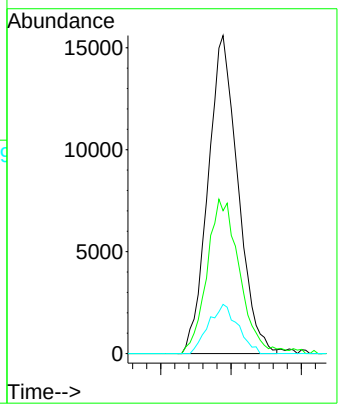


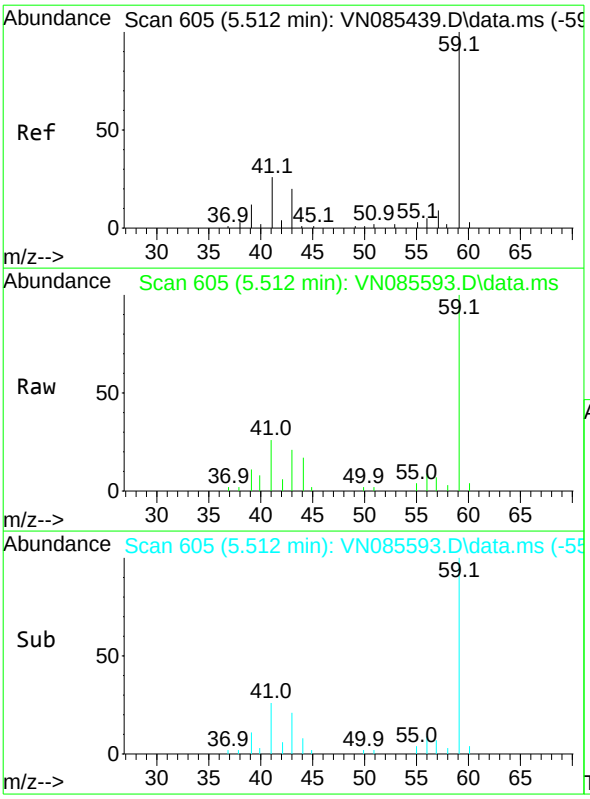


#10
Methyl Iodide
Concen: 17.352 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.000 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion:142 Resp: 46104

Ion	Ratio	Lower	Upper
142	100		
127	44.9	40.3	60.5
141	15.5	12.8	19.2





#11
Tert butyl alcohol
Concen: 100.014 ug/l
RT: 5.512 min Scan# 60
Delta R.T. -0.000 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

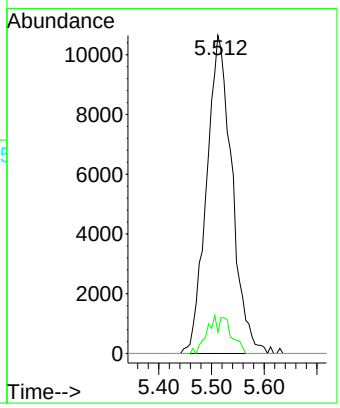
Tgt Ion: 59 Resp: 35618

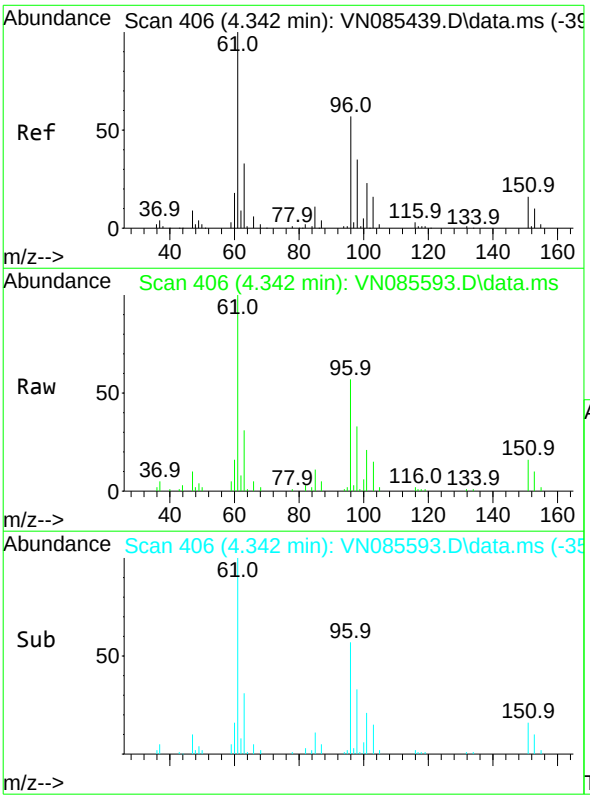
Ion	Ratio	Lower	Upper
59	100		
57	5.2	8.6	13.0#

Instrument :
MSVOA_N
ClientSampleId :
VN0131WBS01

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

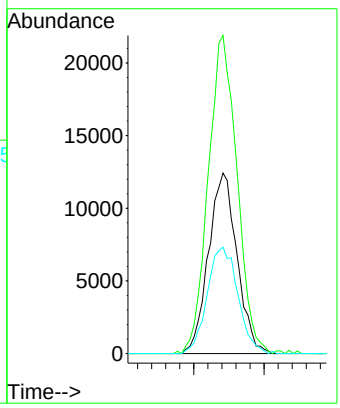


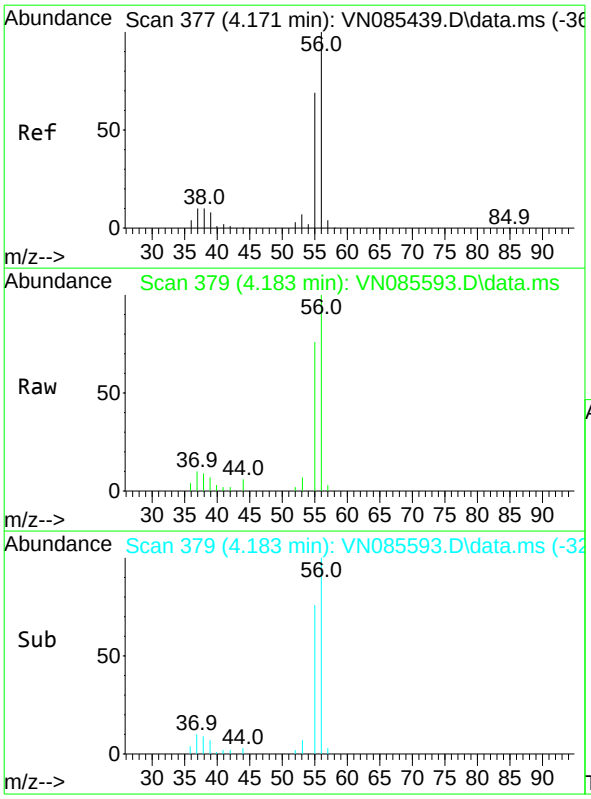


#12
1,1-Dichloroethene
Concen: 16.956 ug/l
RT: 4.342 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion: 96 Resp: 35063

Ion	Ratio	Lower	Upper
96	100		
61	175.0	141.0	211.4
98	58.9	49.0	73.6

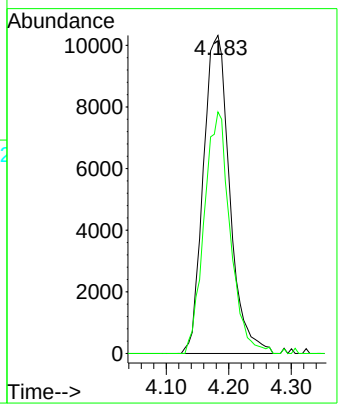




#13
Acrolein
Concen: 62.382 ug/l
RT: 4.183 min Scan# 37
Delta R.T. 0.012 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion: 56 Resp: 30327

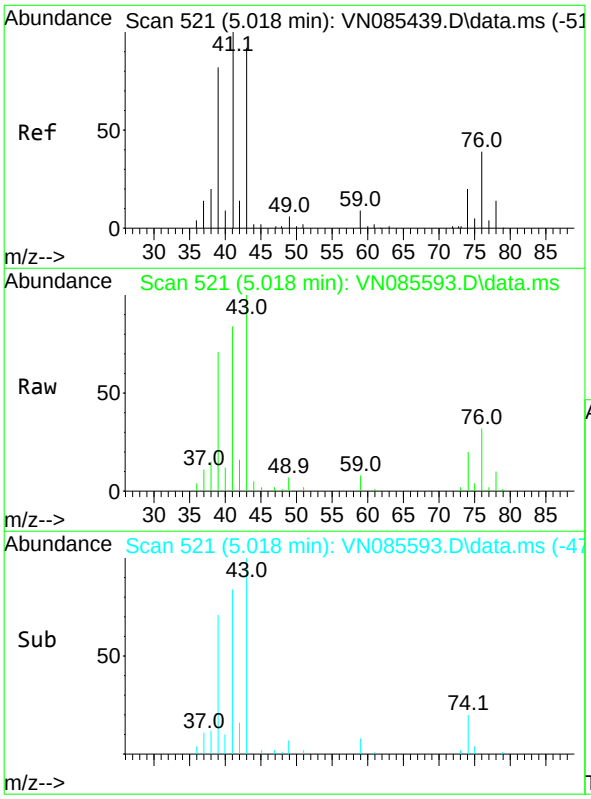
Ion	Ratio	Lower	Upper
56	100		
55	74.7	56.3	84.5



Instrument :
MSVOA_N
ClientSampleId :
VN0131WBS01

Manual Integrations
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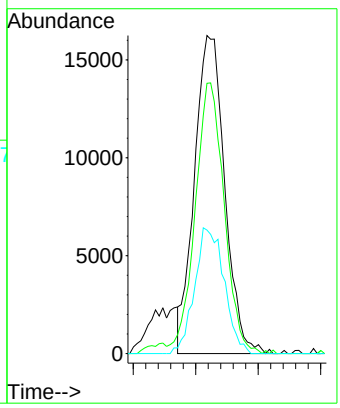
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

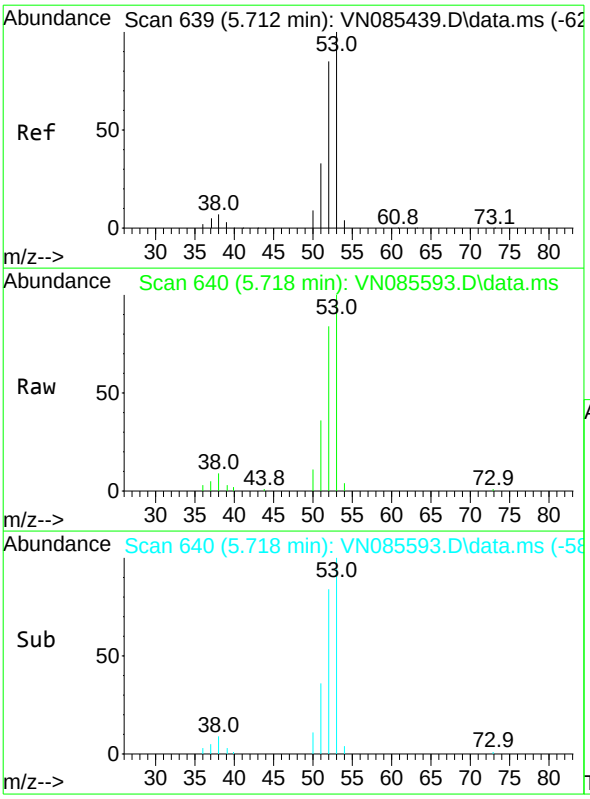


#14
Allyl chloride
Concen: 16.322 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion: 41 Resp: 54768

Ion	Ratio	Lower	Upper
41	100		
39	81.5	64.4	96.6
76	38.4	30.5	45.7

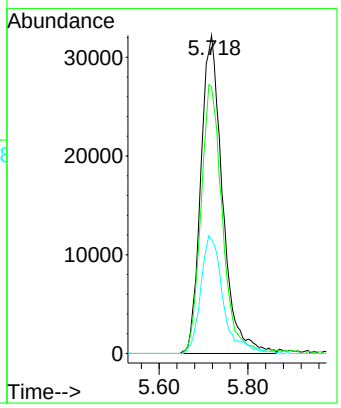




#15
Acrylonitrile
Concen: 96.803 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.006 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion: 53 Resp: 109503

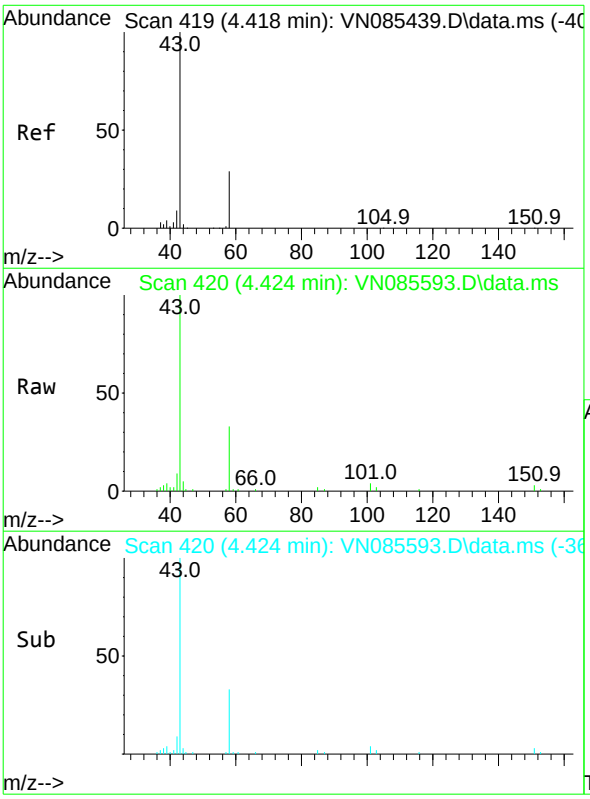
Ion	Ratio	Lower	Upper
53	100		
52	82.5	65.5	98.3
51	38.2	29.8	44.8



Instrument :
MSVOA_N
ClientSampleId :
VN0131WBS01

Manual Integrations
APPROVED

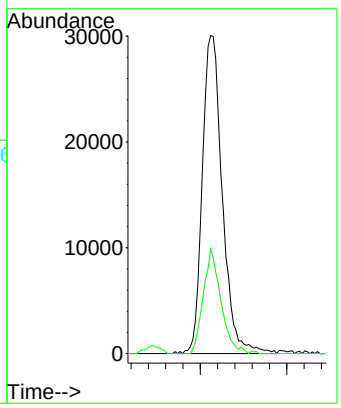
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

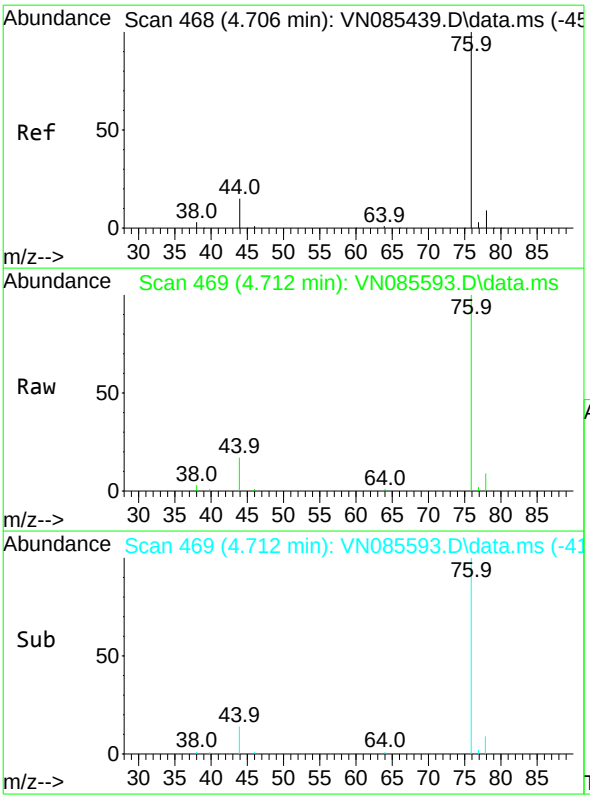


#16
Acetone
Concen: 95.976 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion: 43 Resp: 96448

Ion	Ratio	Lower	Upper
43	100		
58	33.0	23.8	35.6

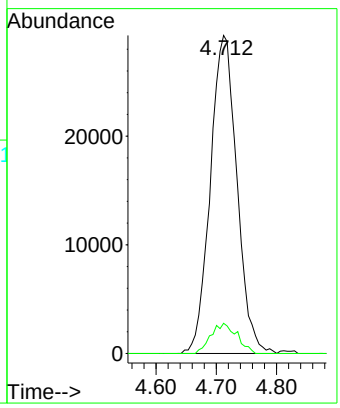




#17
Carbon Disulfide
Concen: 14.103 ug/l
RT: 4.712 min Scan# 46
Delta R.T. 0.006 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion: 76 Resp: 89788

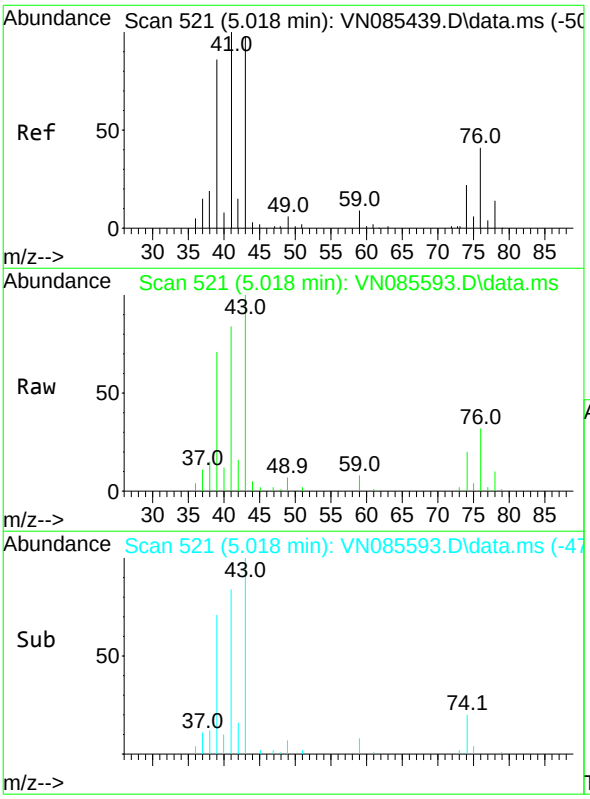
Ion	Ratio	Lower	Upper
76	100		
78	9.5	6.9	10.3



Instrument :
MSVOA_N
ClientSampleId :
VN0131WBS01

Manual Integrations
APPROVED

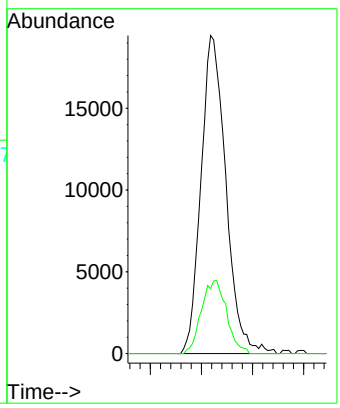
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

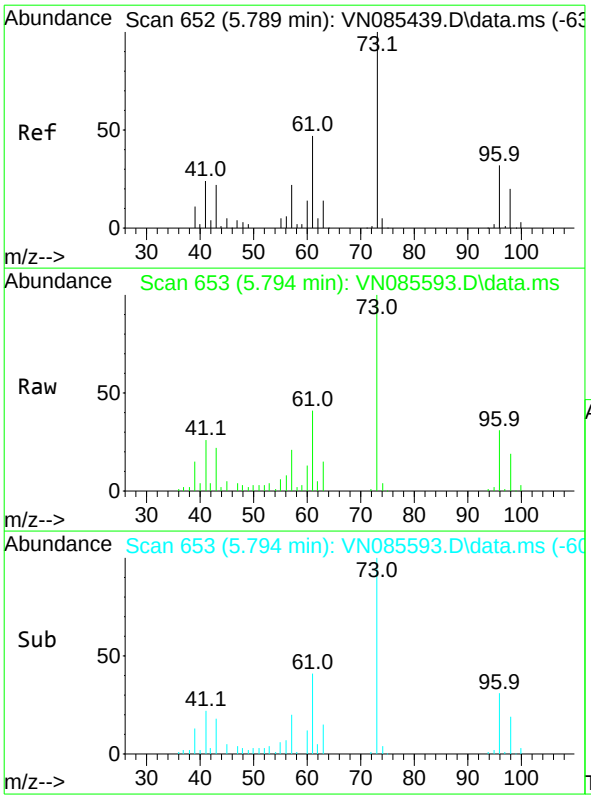


#18
Methyl Acetate
Concen: 21.532 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion: 43 Resp: 65797

Ion	Ratio	Lower	Upper
43	100		
74	23.2	18.6	28.0

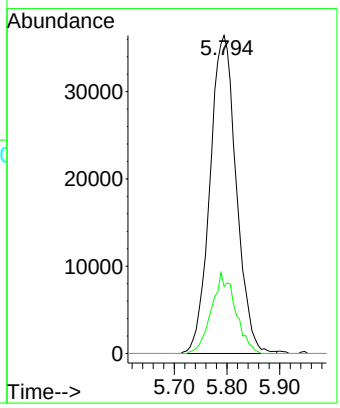




#19
Methyl tert-butyl Ether
Concen: 18.795 ug/l
RT: 5.794 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion: 73 Resp: 126200

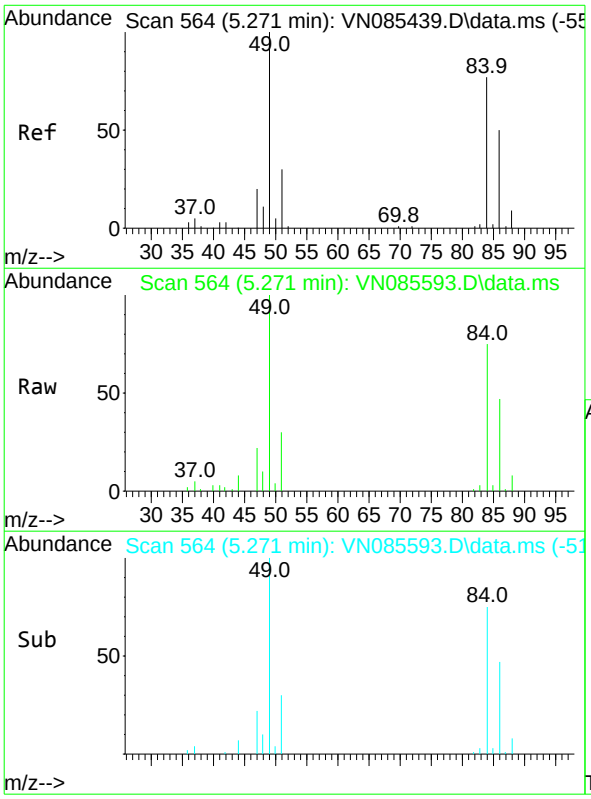
Ion	Ratio	Lower	Upper
73	100		
57	21.1	17.8	26.8



Instrument :
MSVOA_N
ClientSampleId :
VN0131WBS01

Manual Integrations
APPROVED

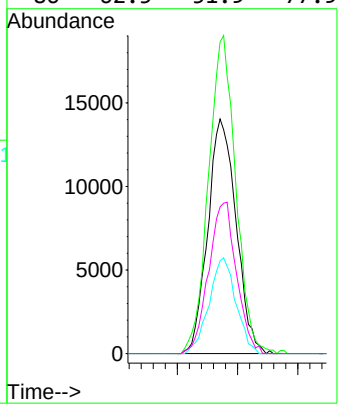
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

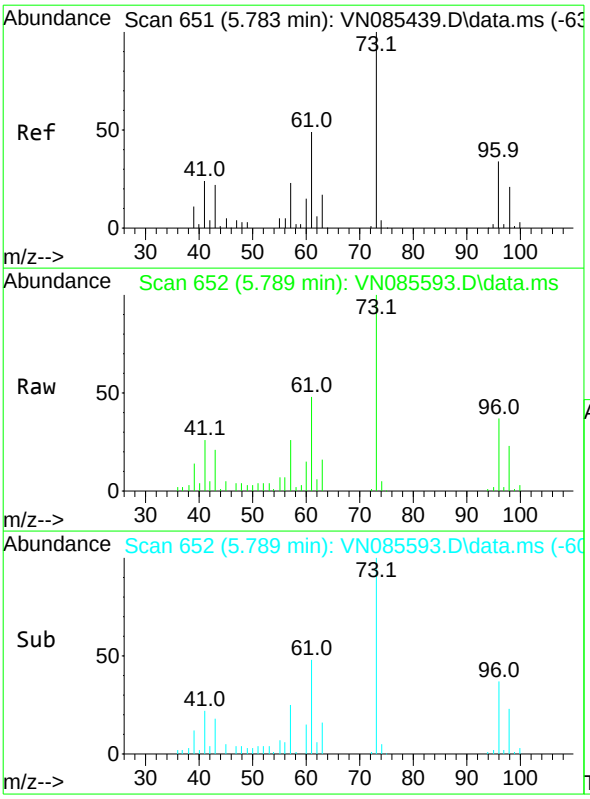


#20
Methylene Chloride
Concen: 18.408 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.000 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion: 84 Resp: 45794

Ion	Ratio	Lower	Upper
84	100		
49	132.9	104.1	156.1
51	39.6	31.0	46.4
86	62.5	51.9	77.9

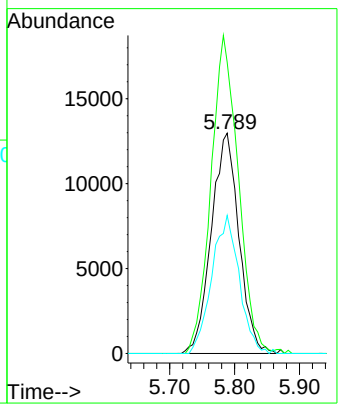




#21
trans-1,2-Dichloroethene
Concen: 17.362 ug/l
RT: 5.789 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion: 96 Resp: 38369

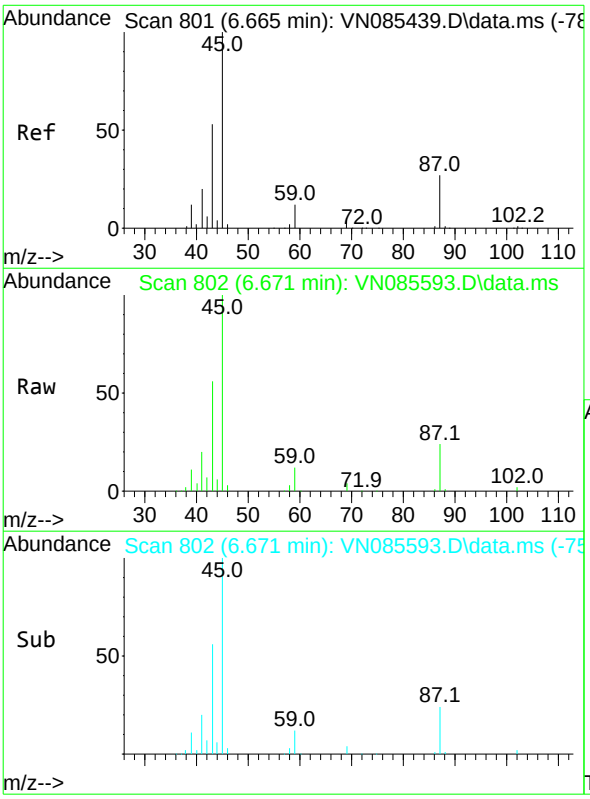
Ion	Ratio	Lower	Upper
96	100		
61	132.2	115.7	173.5
98	62.6	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VN0131WBS01

Manual Integrations
APPROVED

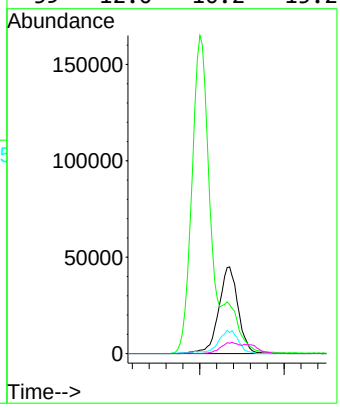
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

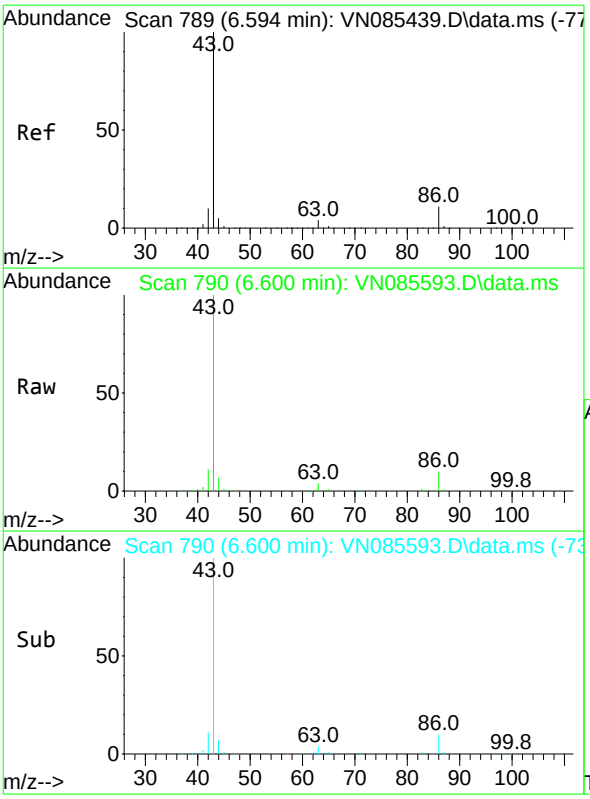


#22
Diisopropyl ether
Concen: 19.259 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.006 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion: 45 Resp: 143433

Ion	Ratio	Lower	Upper
45	100		
43	55.2	45.0	67.6
87	24.3	21.8	32.8
59	12.0	10.2	15.2

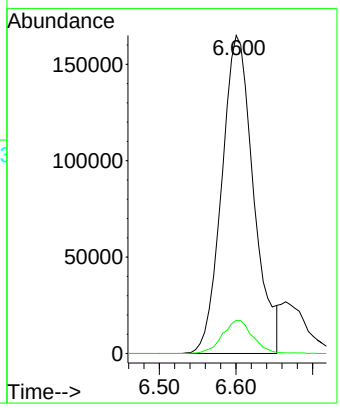




#23
Vinyl Acetate
Concen: 91.217 ug/l
RT: 6.600 min Scan# 79
Delta R.T. 0.006 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion: 43 Resp: 475426

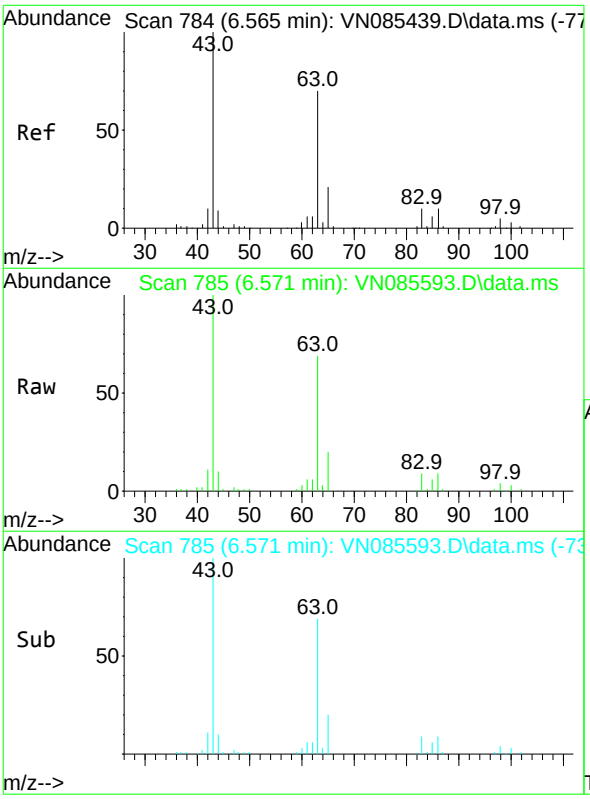
Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.4	12.6



Instrument :
MSVOA_N
ClientSampleId :
VN0131WBS01

Manual Integrations
APPROVED

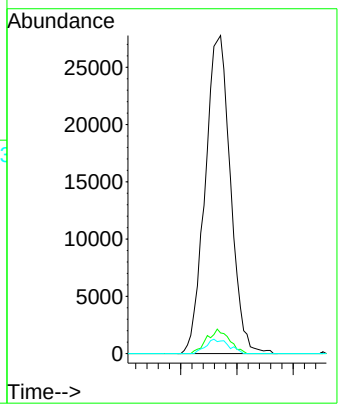
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

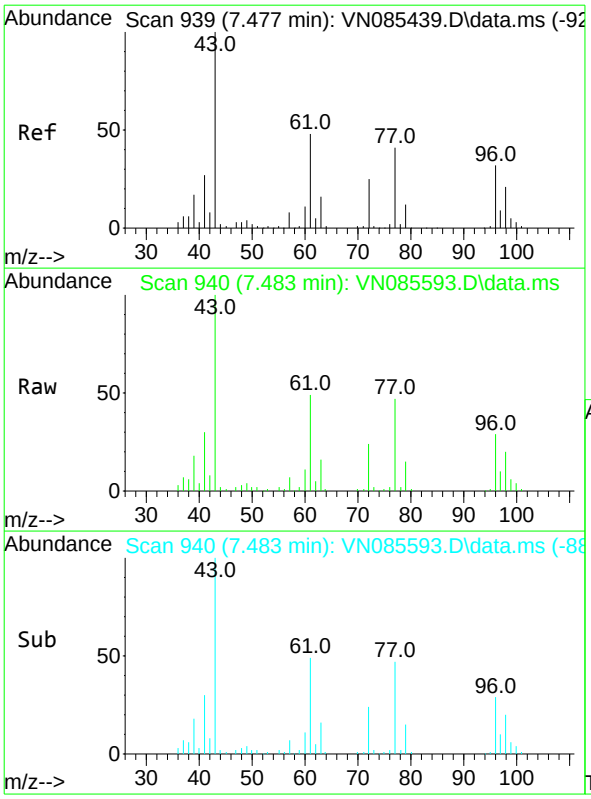


#24
1,1-Dichloroethane
Concen: 19.082 ug/l
RT: 6.571 min Scan# 785
Delta R.T. 0.006 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion: 63 Resp: 86655

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.3	9.8
100	4.0	2.0	6.0

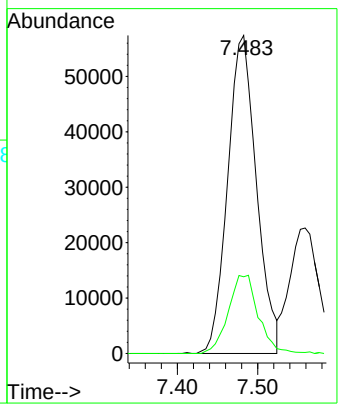




#25
2-Butanone
Concen: 96.976 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion: 43 Resp: 143410

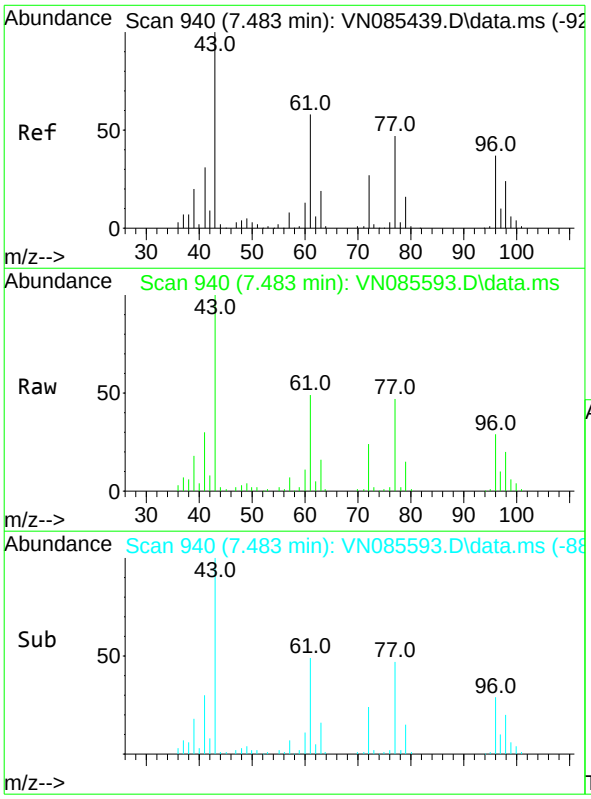
Ion	Ratio	Lower	Upper
43	100		
72	24.1	20.2	30.4



Instrument :
MSVOA_N
ClientSampleId :
VN0131WBS01

Manual Integrations
APPROVED

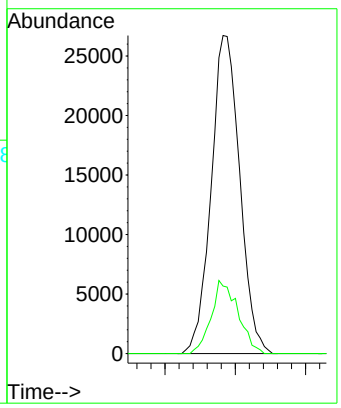
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

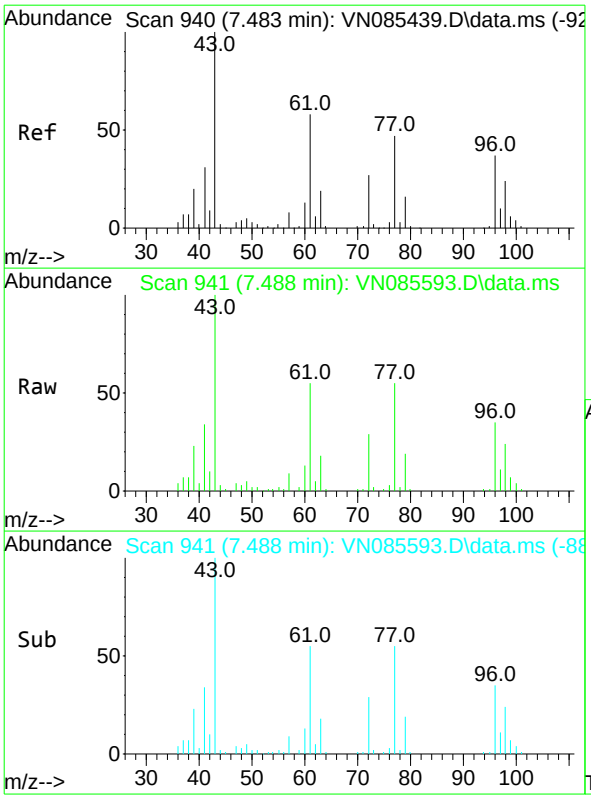


#26
2,2-Dichloropropane
Concen: 20.525 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion: 77 Resp: 75360

Ion	Ratio	Lower	Upper
77	100		
97	21.5	10.7	32.1

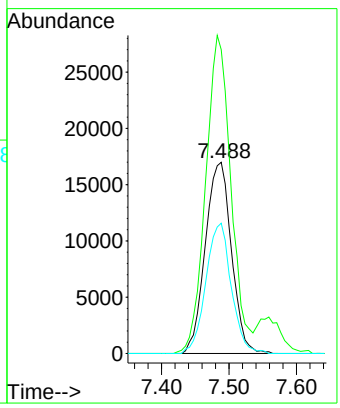




#27
cis-1,2-Dichloroethene
Concen: 17.591 ug/l
RT: 7.488 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion: 96 Resp: 45788

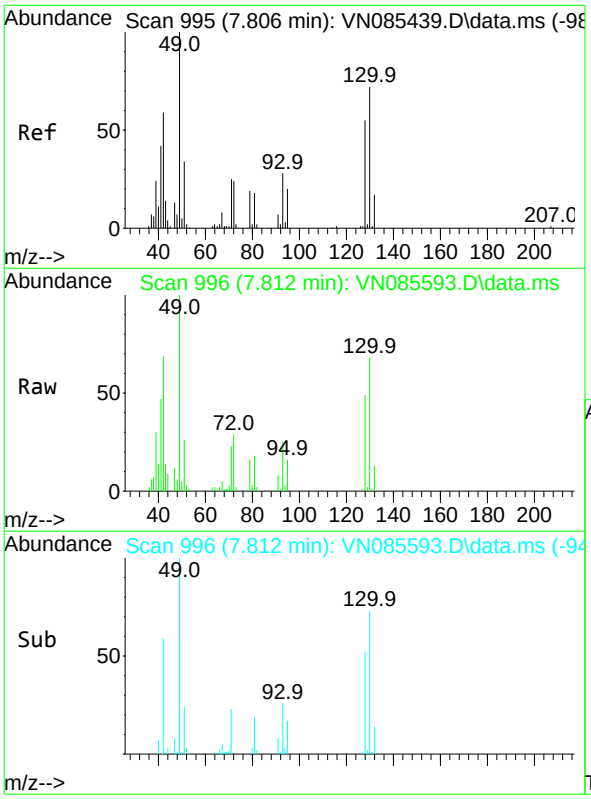
Ion	Ratio	Lower	Upper
96	100		
61	160.8	0.0	311.8
98	66.1	0.0	126.0



Instrument :
MSVOA_N
ClientSampleId :
VN0131WBS01

Manual Integrations
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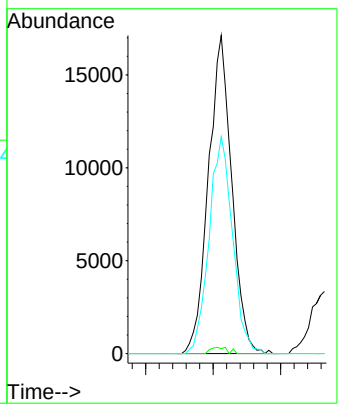
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

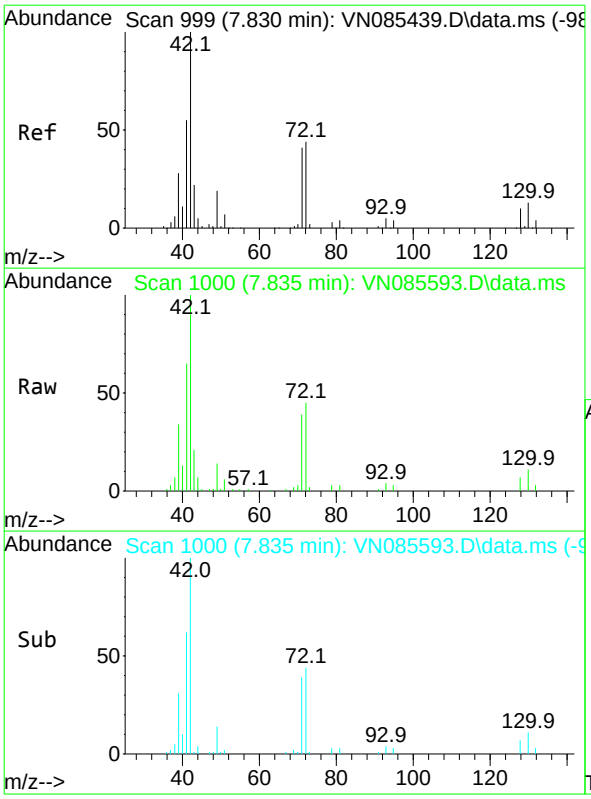


#28
Bromochloromethane
Concen: 19.503 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion: 49 Resp: 41206

Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	4.4
130	68.5	55.0	82.4

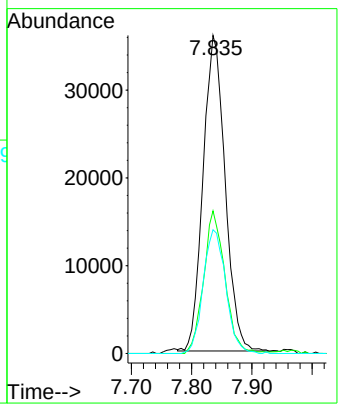




#29
Tetrahydrofuran
Concen: 97.344 ug/l
RT: 7.835 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion: 42 Resp: 91268

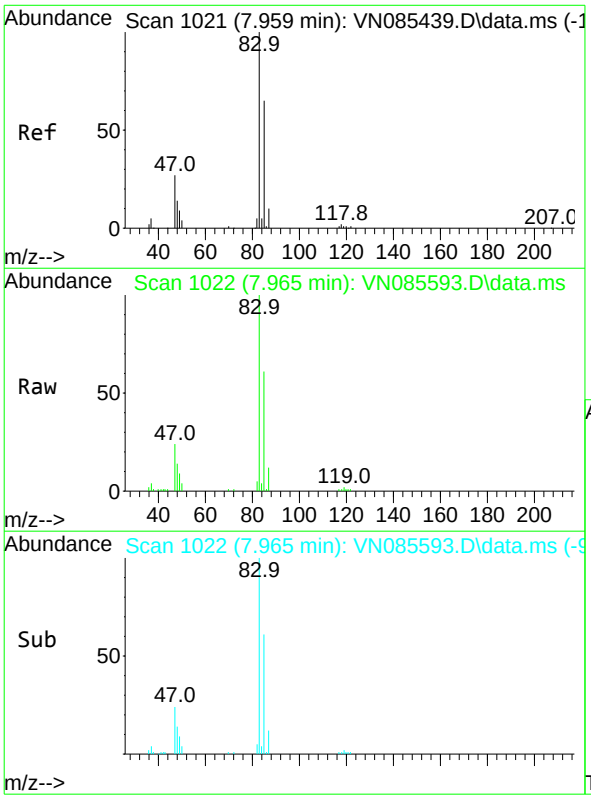
Ion	Ratio	Lower	Upper
42	100		
72	43.8	34.2	51.2
71	40.2	32.5	48.7



Instrument :
MSVOA_N
ClientSampleId :
VN0131WBS01

Manual Integrations
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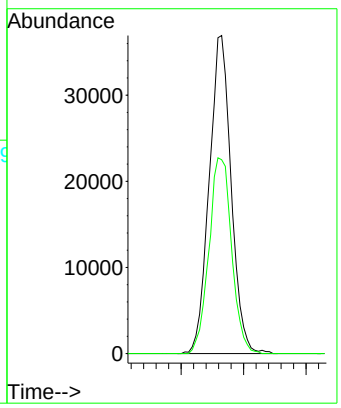
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

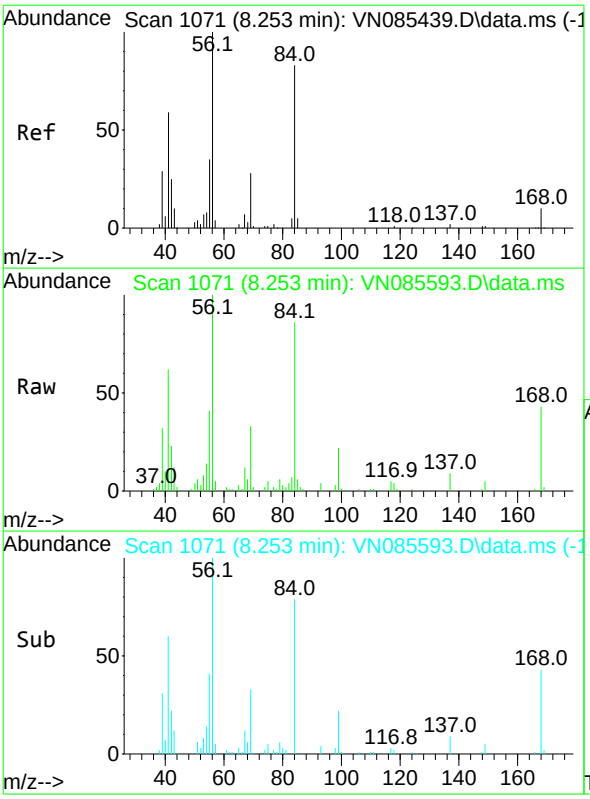


#30
Chloroform
Concen: 19.161 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion: 83 Resp: 89934

Ion	Ratio	Lower	Upper
83	100		
85	60.9	51.8	77.6





#31
Cyclohexane
Concen: 15.341 ug/l
RT: 8.253 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

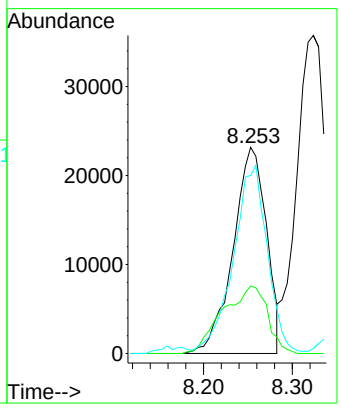
Tgt Ion: 56 Resp: 60554

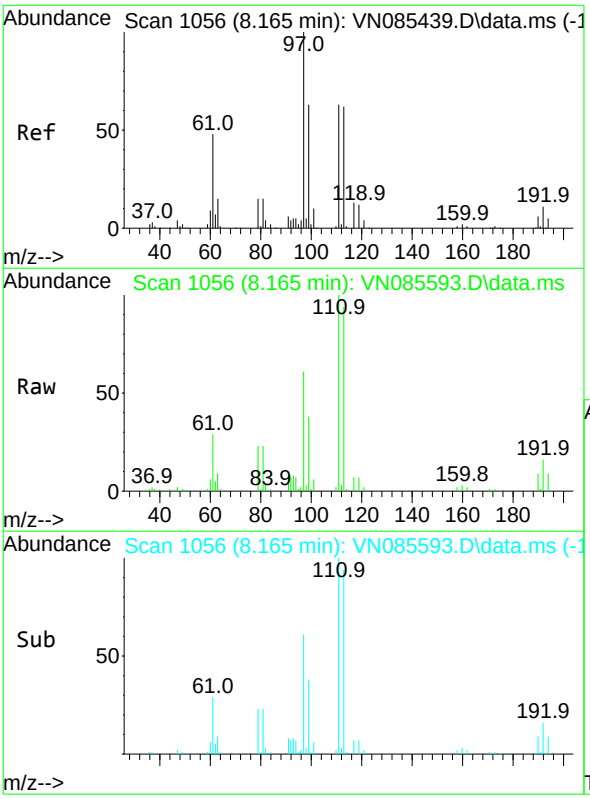
Ion	Ratio	Lower	Upper
56	100		
69	32.7	22.2	33.4
84	83.5	66.4	99.6

Instrument :
MSVOA_N
ClientSampleId :
VN0131WBS01

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

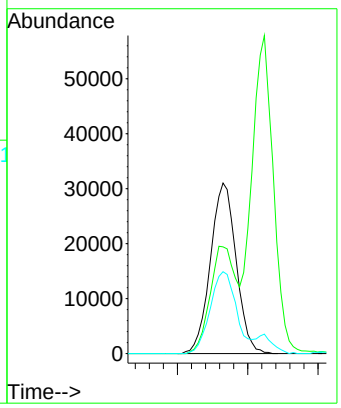


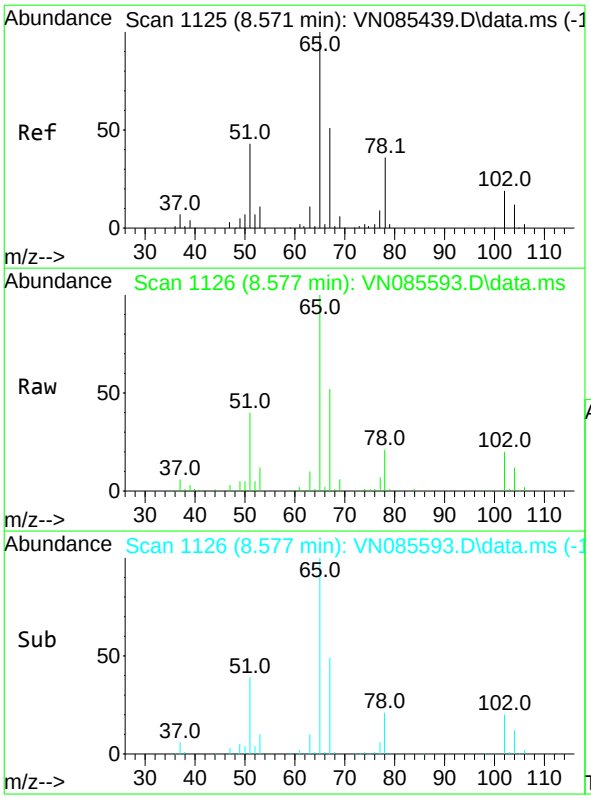


#32
1,1,1-Trichloroethane
Concen: 19.154 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion: 97 Resp: 78856

Ion	Ratio	Lower	Upper
97	100		
99	63.1	49.8	74.6
61	49.2	41.4	62.2





#33
1,2-Dichloroethane-d4
Concen: 50.278 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

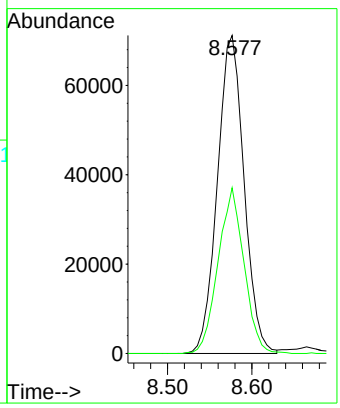
Tgt Ion: 65 Resp: 156371

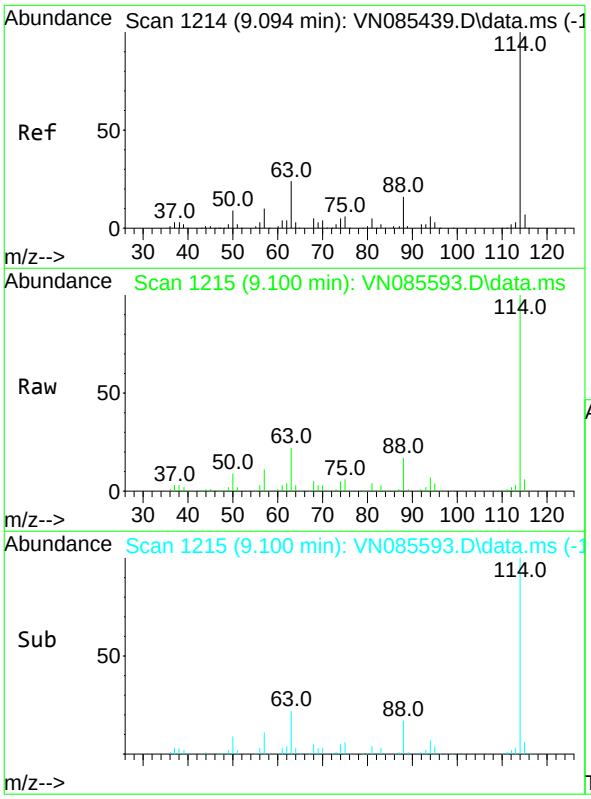
Ion	Ratio	Lower	Upper
65	100		
67	50.6	0.0	101.6

Instrument :
MSVOA_N
ClientSampleId :
VN0131WBS01

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Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

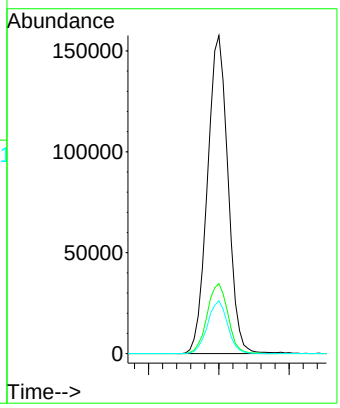


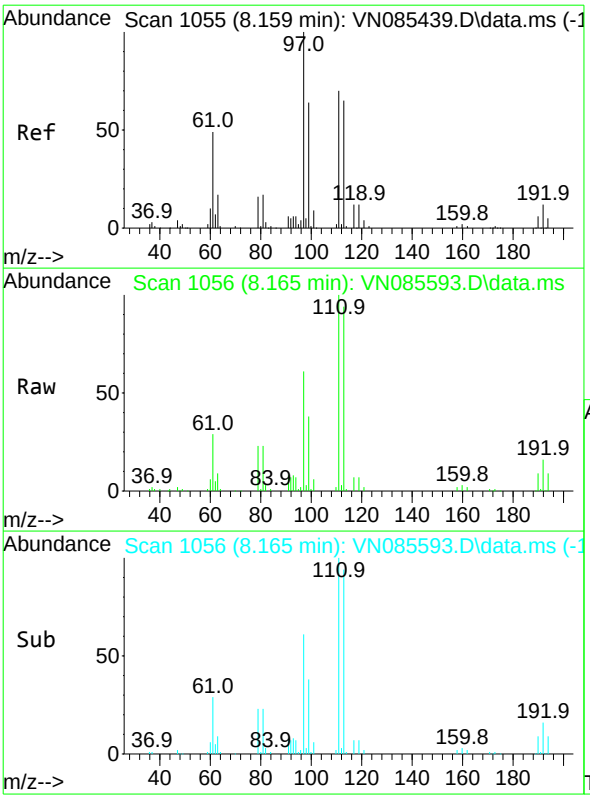


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion:114 Resp: 320848

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	47.6
88	16.6	0.0	32.6





#35
Dibromofluoromethane
Concen: 52.501 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

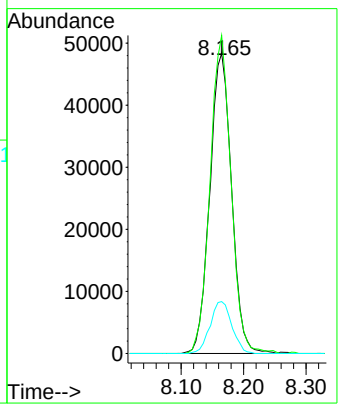
Instrument :
MSVOA_N
ClientSampleId :
VN0131WBS01

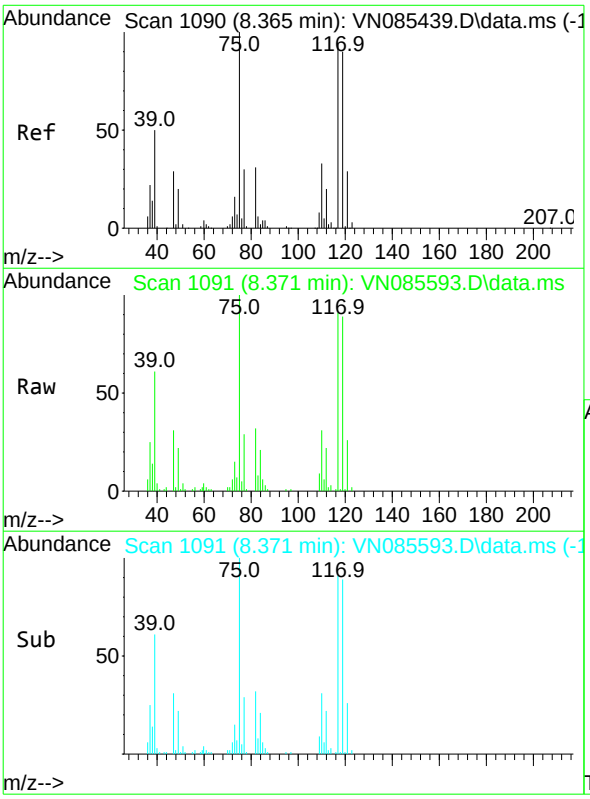
Tgt Ion:113 Resp: 116861

Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.7	124.1
192	17.3	14.3	21.5

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

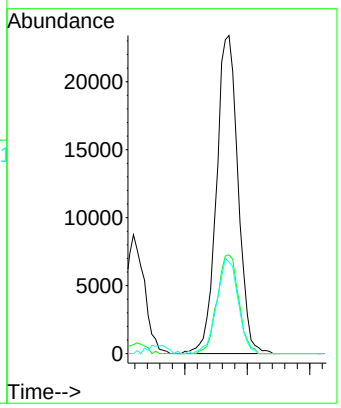


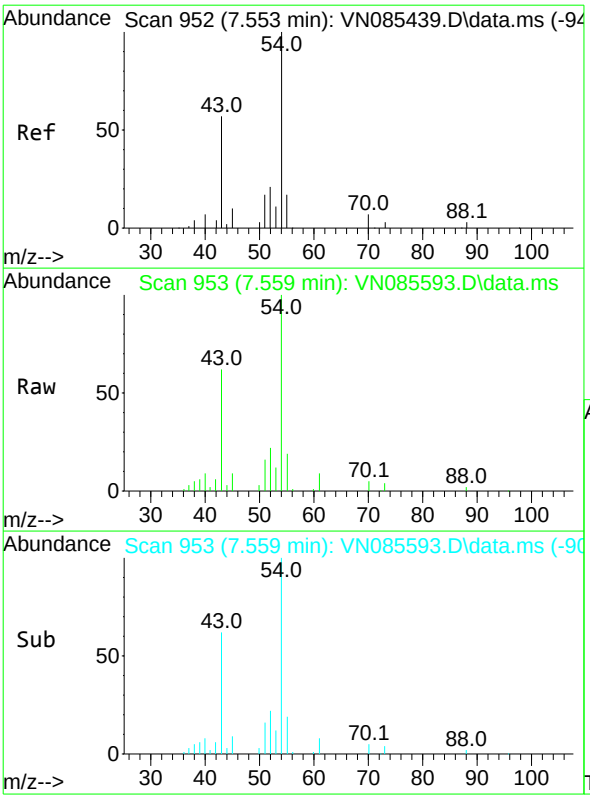


#36
1,1-Dichloropropene
Concen: 17.965 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.006 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion: 75 Resp: 56124

Ion	Ratio	Lower	Upper
75	100		
110	30.9	16.5	49.5
77	29.6	24.4	36.6





#37
Ethyl Acetate
Concen: 18.884 ug/l
RT: 7.559 min Scan# 95
Delta R.T. 0.006 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

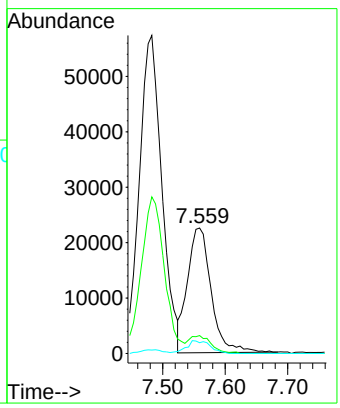
Instrument :
MSVOA_N
ClientSampleId :
VN0131WBS01

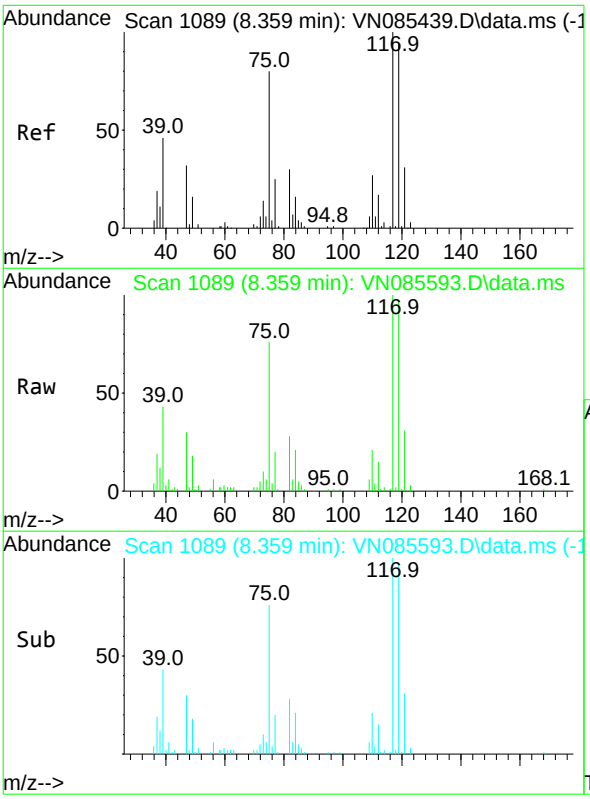
Tgt Ion: 43 Resp: 59547

Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.9	16.3
70	10.1	7.5	11.3

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

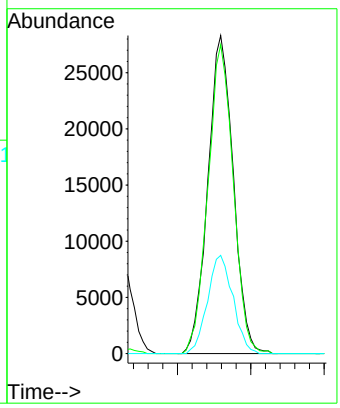


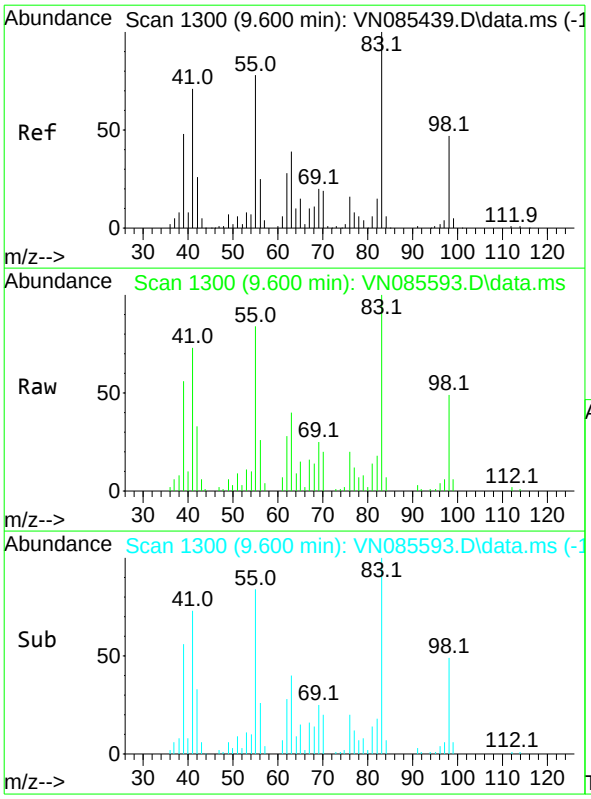


#38
Carbon Tetrachloride
Concen: 19.038 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion:117 Resp: 68090

Ion	Ratio	Lower	Upper
117	100		
119	97.1	75.4	113.2
121	30.9	24.6	37.0

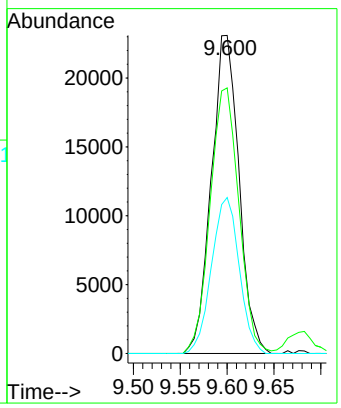




#39
Methylcyclohexane
Concen: 16.131 ug/l
RT: 9.600 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion: 83 Resp: 47355

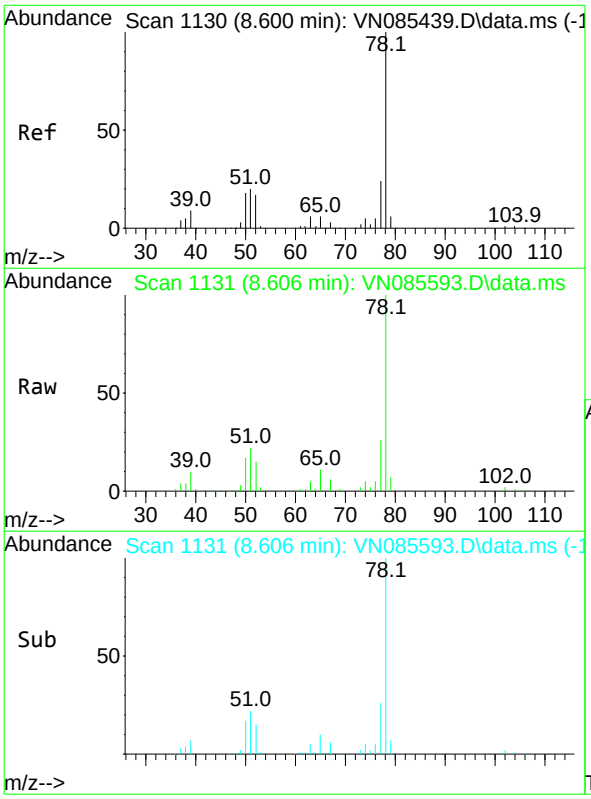
Ion	Ratio	Lower	Upper
83	100		
55	83.5	62.6	94.0
98	49.0	37.7	56.5



Instrument :
MSVOA_N
ClientSampleId :
VN0131WBS01

Manual Integrations
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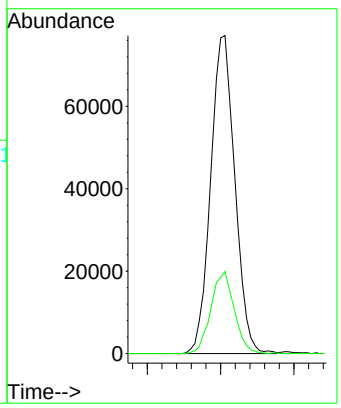
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

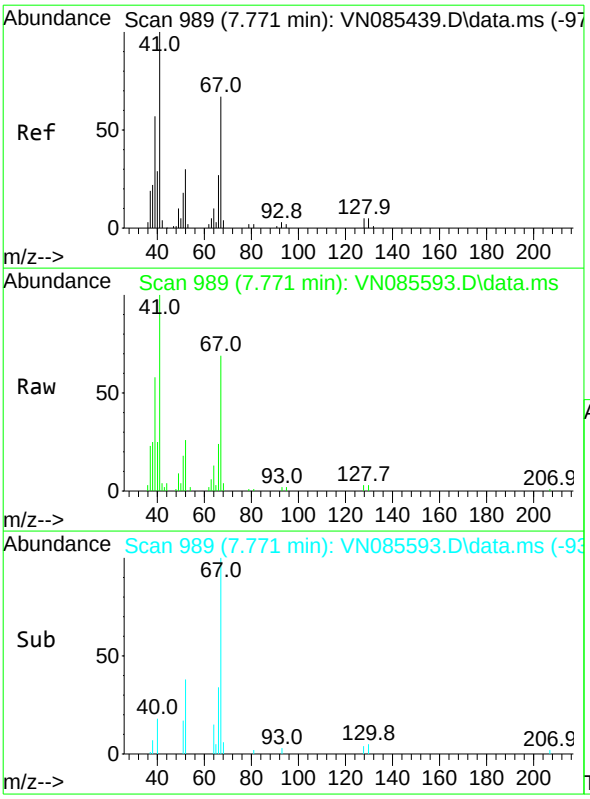


#40
Benzene
Concen: 18.856 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion: 78 Resp: 176989

Ion	Ratio	Lower	Upper
78	100		
77	25.8	19.0	28.6

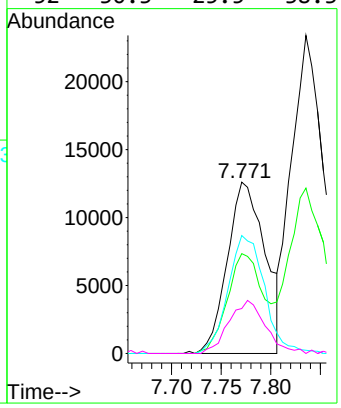




#41
Methacrylonitrile
Concen: 20.411 ug/l
RT: 7.771 min Scan# 98
Delta R.T. -0.000 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion: 41 Resp: 33484

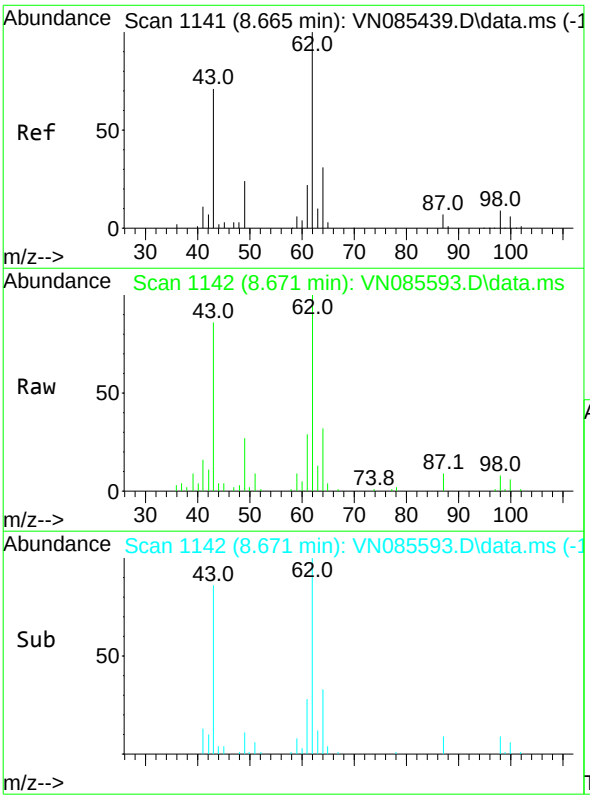
Ion	Ratio	Lower	Upper
41	100		
39	54.3	46.0	69.0
67	66.4	57.4	86.2
52	30.3	25.5	38.3



Instrument :
MSVOA_N
ClientSampleId :
VN0131WBS01

Manual Integrations
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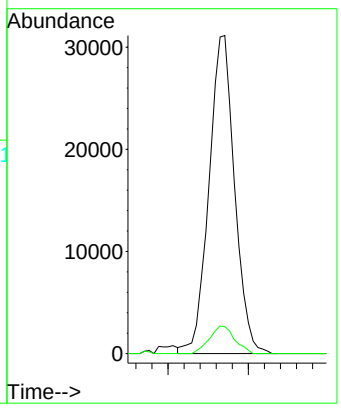
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

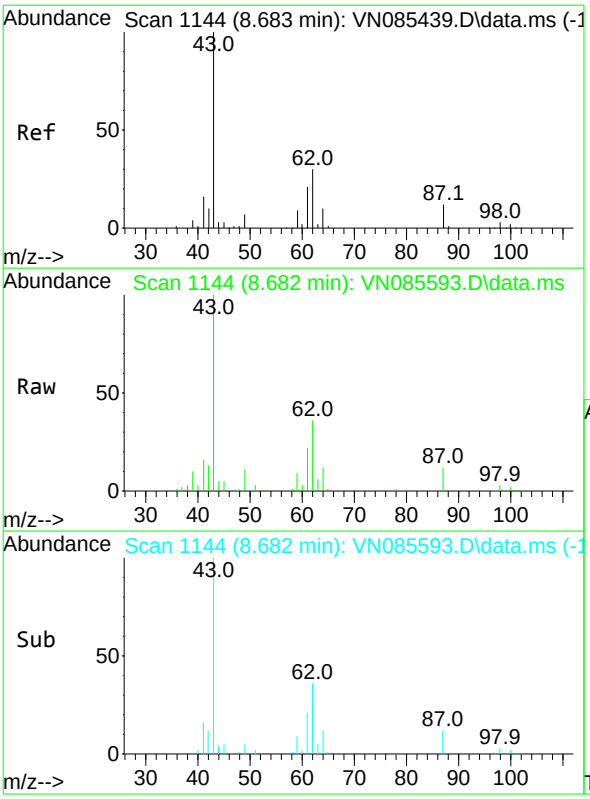


#42
1,2-Dichloroethane
Concen: 19.535 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion: 62 Resp: 69061

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.0





#43
Isopropyl Acetate
Concen: 20.207 ug/l
RT: 8.682 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

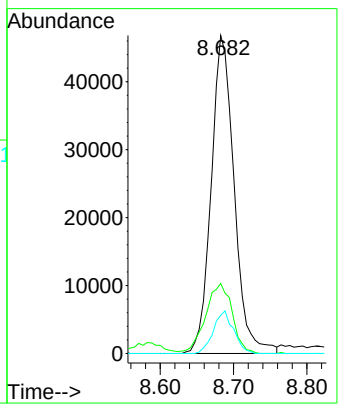
Tgt Ion: 43 Resp: 102099

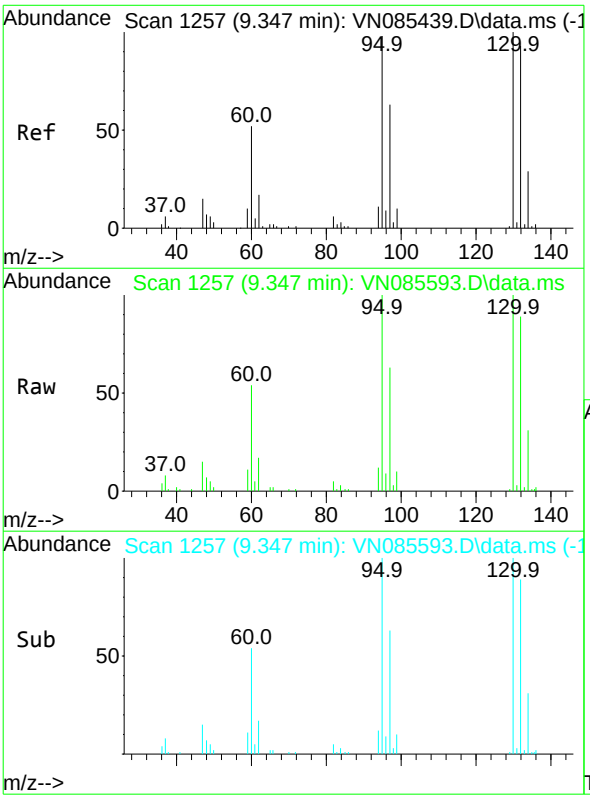
Ion	Ratio	Lower	Upper
43	100		
61	25.5	20.7	31.1
87	11.7	9.8	14.8

Instrument :
MSVOA_N
ClientSampleId :
VN0131WBS01

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

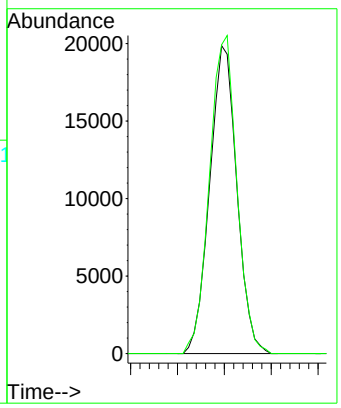


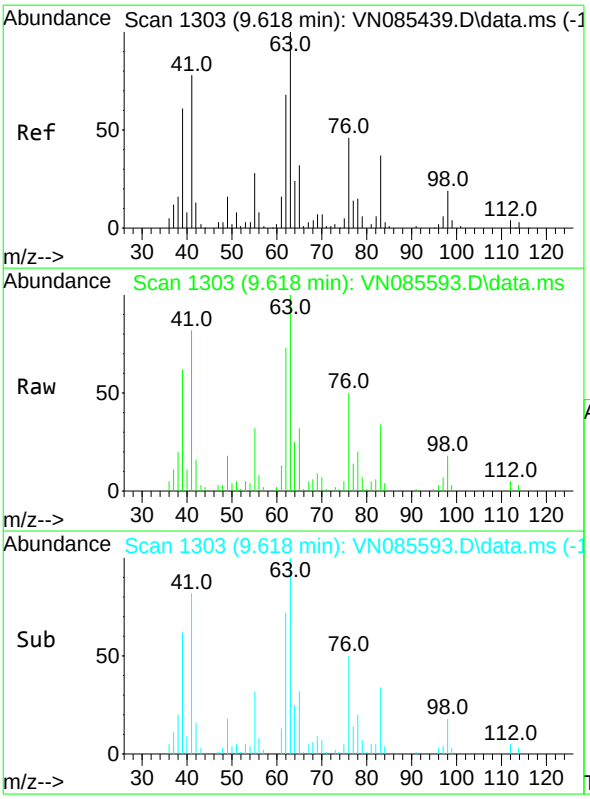


#44
Trichloroethene
Concen: 18.285 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion:130 Resp: 39952

Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	195.8

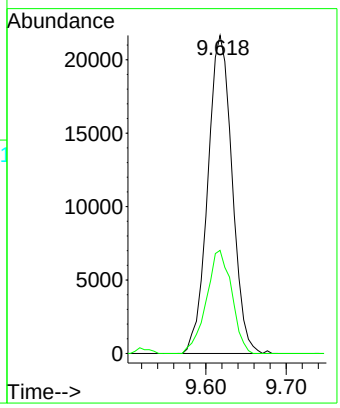




#45
1,2-Dichloropropane
Concen: 19.016 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion: 63 Resp: 45593

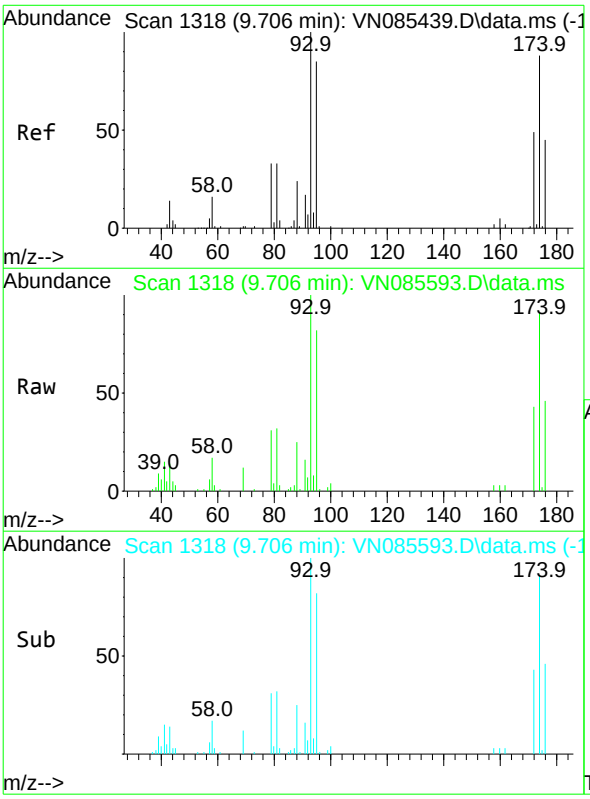
Ion	Ratio	Lower	Upper
63	100		
65	32.4	25.6	38.4



Instrument :
MSVOA_N
ClientSampleId :
VN0131WBS01

Manual Integrations
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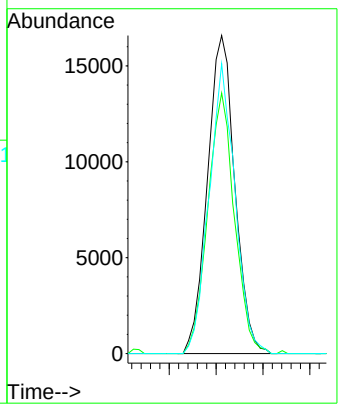
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

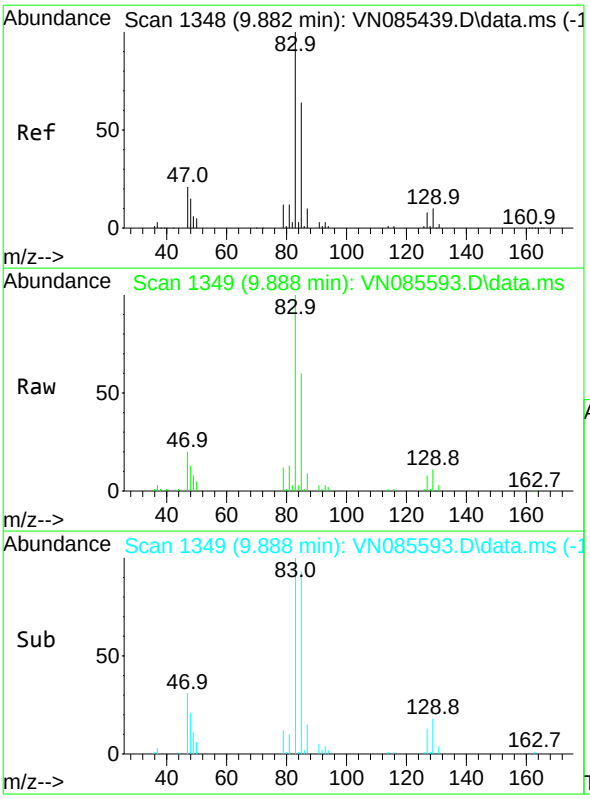


#46
Dibromomethane
Concen: 19.460 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion: 93 Resp: 33666

Ion	Ratio	Lower	Upper
93	100		
95	79.8	64.7	97.1
174	86.6	69.0	103.4





#47
Bromodichloromethane
Concen: 20.265 ug/l
RT: 9.888 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

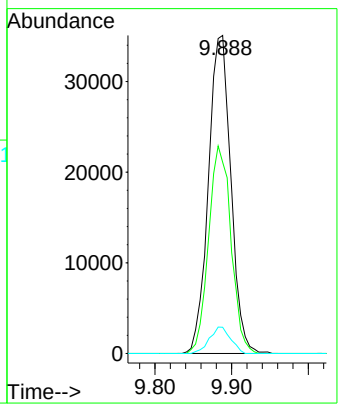
Tgt Ion: 83 Resp: 71425

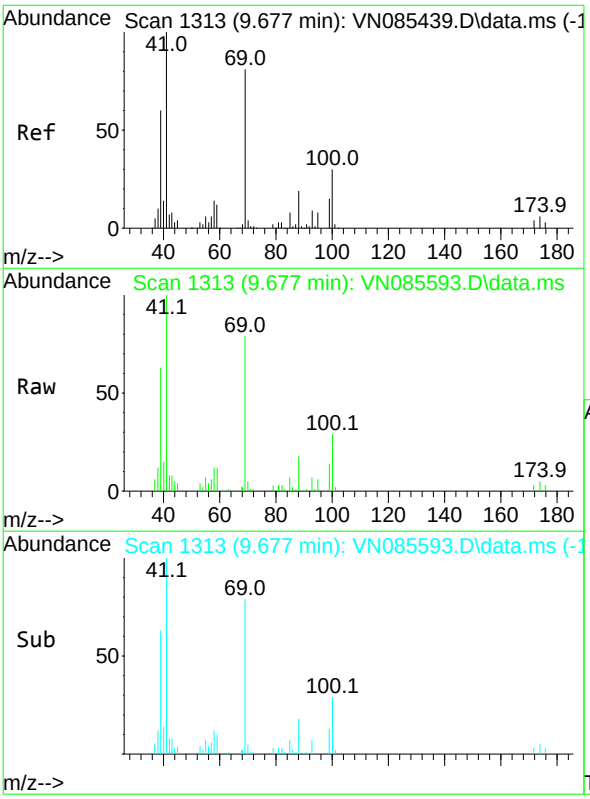
Ion	Ratio	Lower	Upper
83	100		
85	60.1	51.2	76.8
127	8.2	6.5	9.7

Instrument :
MSVOA_N
ClientSampleId :
VN0131WBS01

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

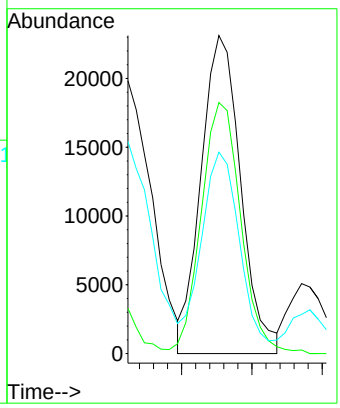


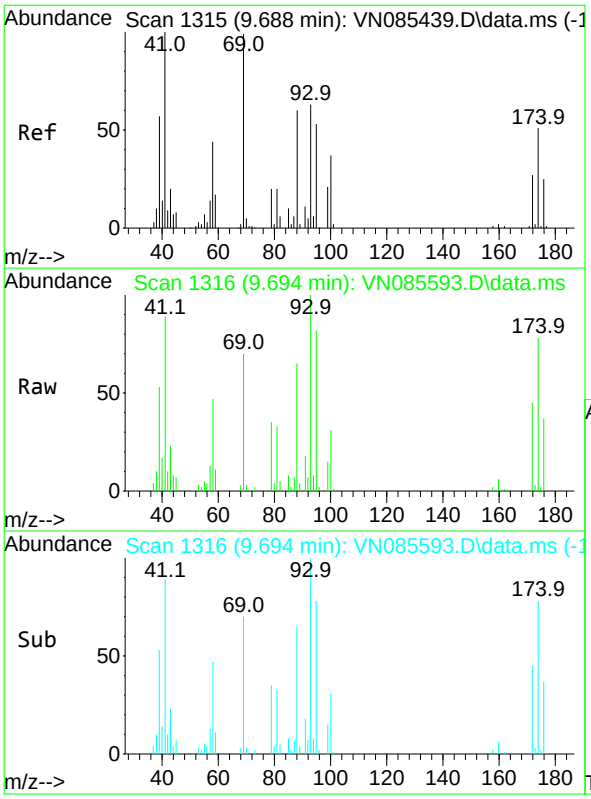


#48
Methyl methacrylate
Concen: 19.959 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion: 41 Resp: 45383

Ion	Ratio	Lower	Upper
41	100		
69	78.7	64.7	97.1
39	61.0	49.0	73.6

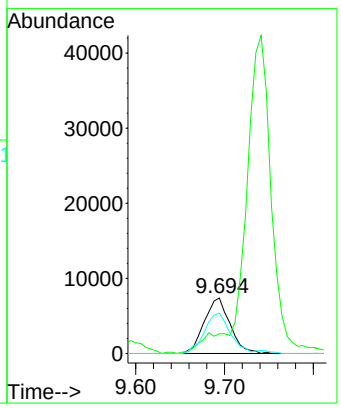




#49
1,4-Dioxane
Concen: 388.248 ug/l
RT: 9.694 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion: 88 Resp: 14866

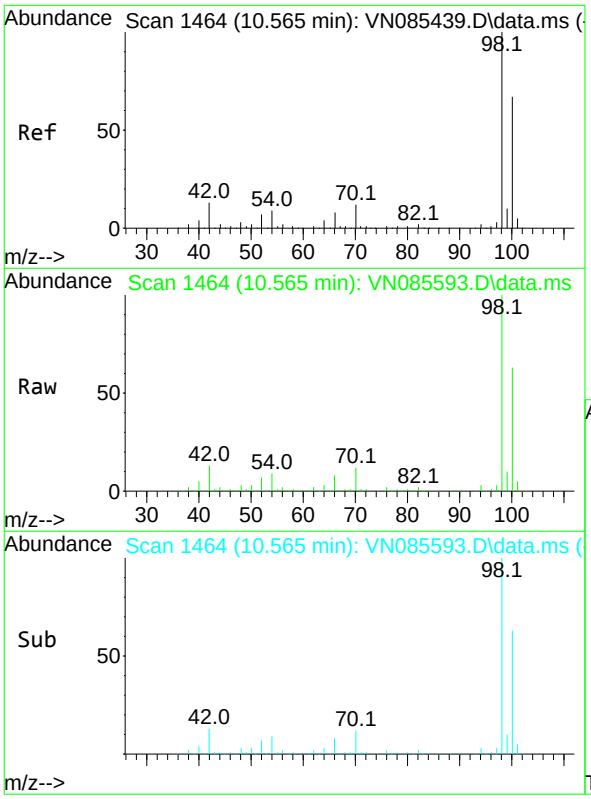
Ion	Ratio	Lower	Upper
88	100		
43	0.0	26.6	39.8#
58	73.9	59.5	89.3



Instrument :
MSVOA_N
ClientSampleId :
VN0131WBS01

Manual Integrations
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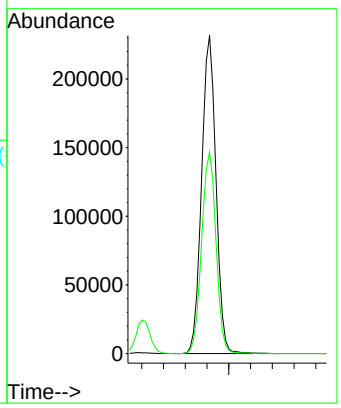
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

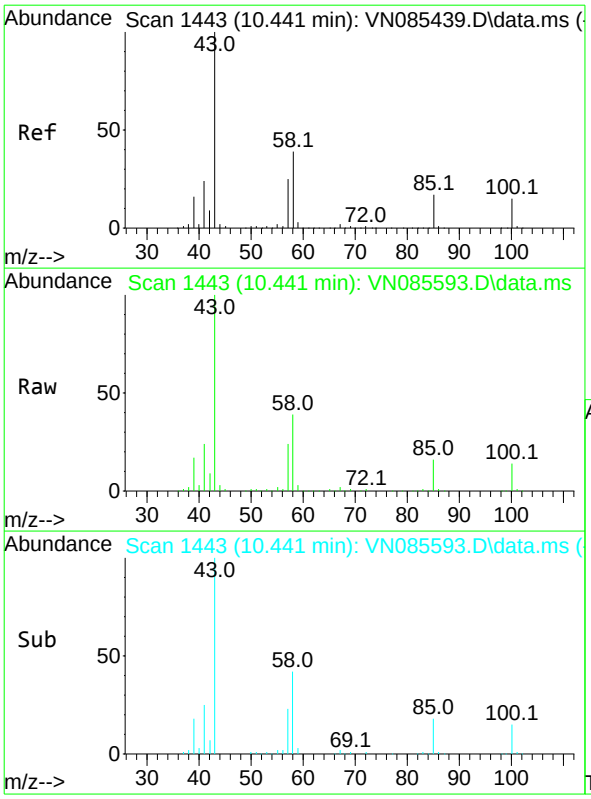


#50
Toluene-d8
Concen: 53.598 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion: 98 Resp: 423886

Ion	Ratio	Lower	Upper
98	100		
100	63.7	52.2	78.4

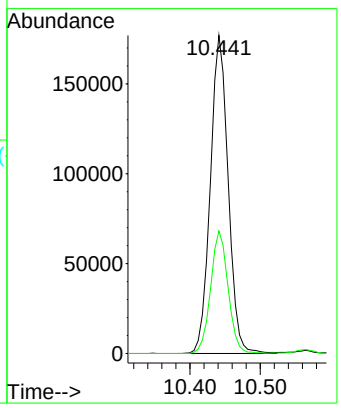




#51
4-Methyl-2-Pentanone
Concen: 106.528 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion: 43 Resp: 312333

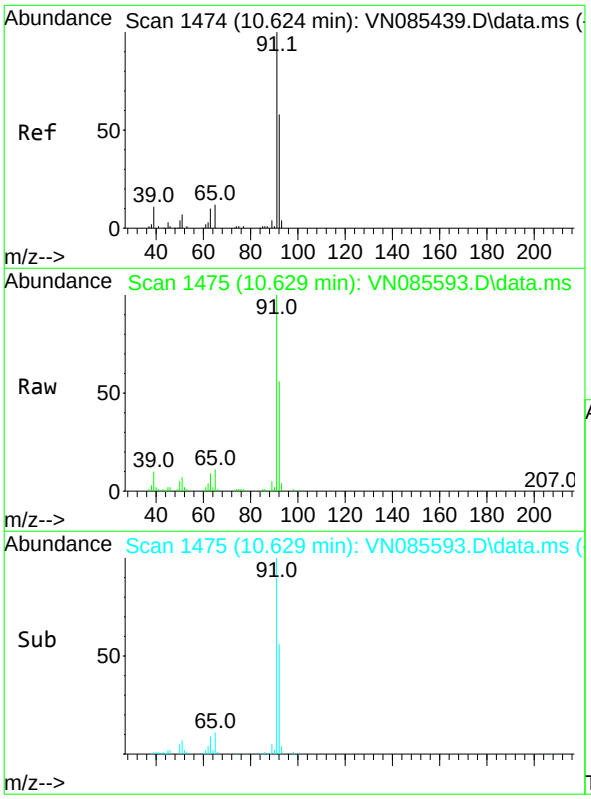
Ion	Ratio	Lower	Upper
43	100		
58	37.7	30.5	45.7



Instrument :
MSVOA_N
ClientSampleId :
VN0131WBS01

Manual Integrations
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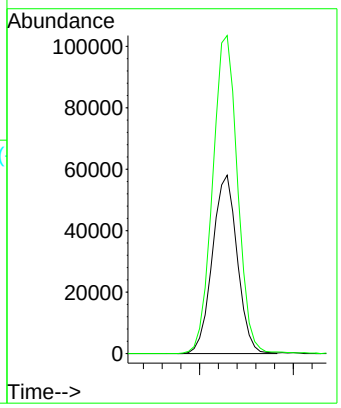
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

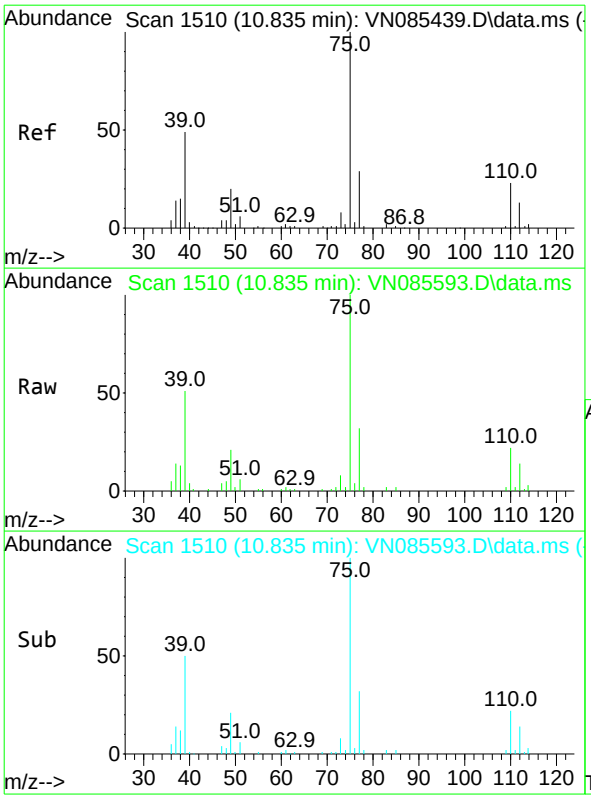


#52
Toluene
Concen: 19.660 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.005 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion: 92 Resp: 106928

Ion	Ratio	Lower	Upper
92	100		
91	179.2	139.2	208.8

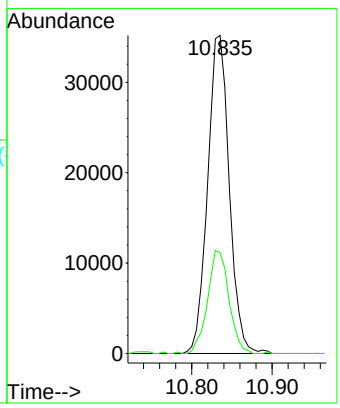




#53
t-1,3-Dichloropropene
Concen: 19.777 ug/l
RT: 10.835 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion: 75 Resp: 65874

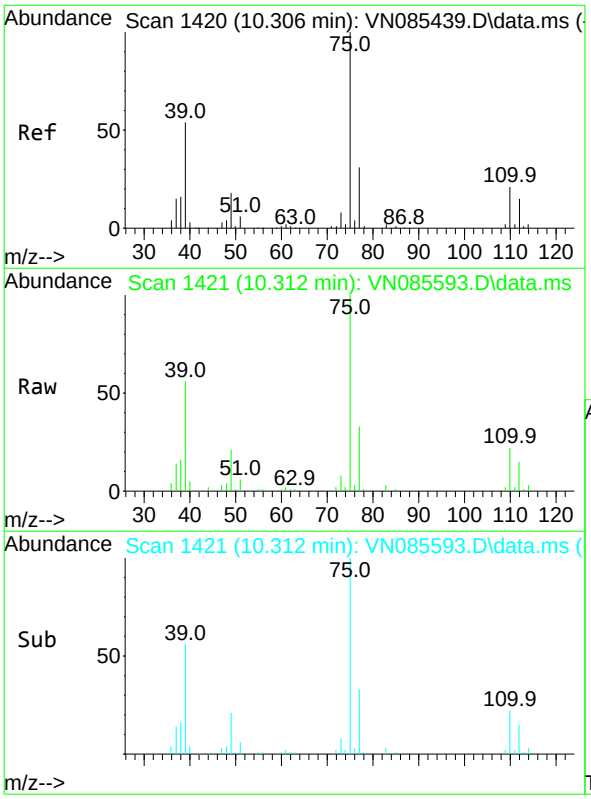
Ion	Ratio	Lower	Upper
75	100		
77	31.6	23.5	35.3



Instrument :
MSVOA_N
ClientSampleId :
VN0131WBS01

Manual Integrations
APPROVED

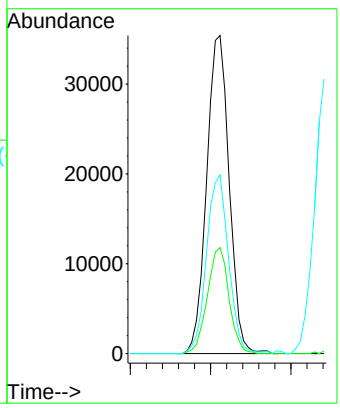
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

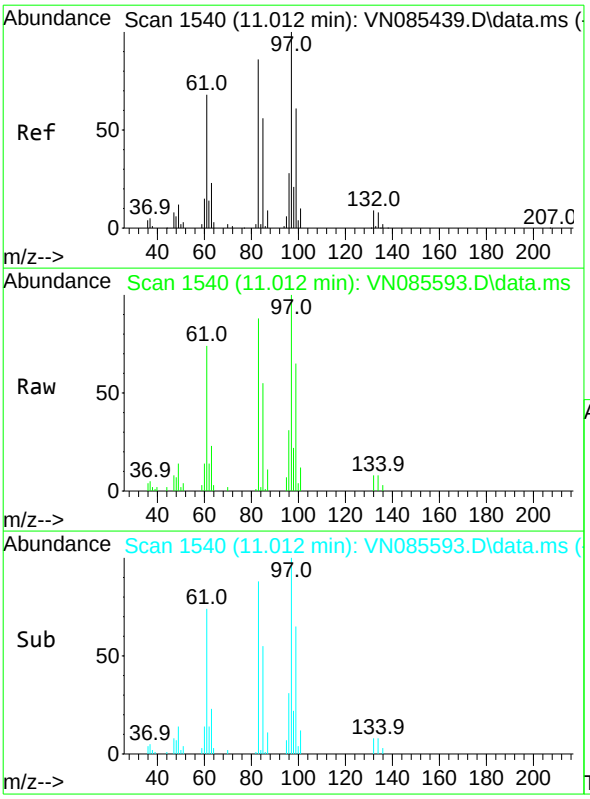


#54
cis-1,3-Dichloropropene
Concen: 19.360 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.006 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion: 75 Resp: 68879

Ion	Ratio	Lower	Upper
75	100		
77	33.4	25.0	37.4
39	56.2	43.1	64.7

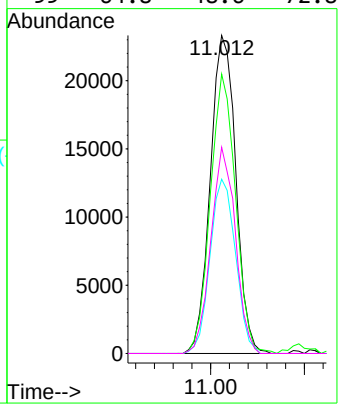




#55
1,1,2-Trichloroethane
Concen: 20.474 ug/l
RT: 11.012 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion: 97 Resp: 44068

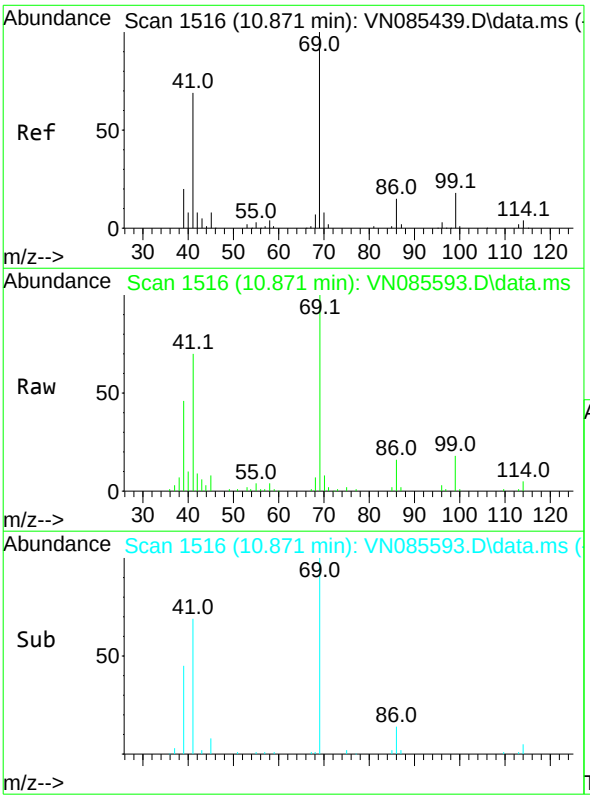
Ion	Ratio	Lower	Upper
97	100		
83	87.9	69.0	103.6
85	54.8	44.6	66.8
99	64.8	48.6	72.8



Instrument :
MSVOA_N
ClientSampleId :
VN0131WBS01

Manual Integrations
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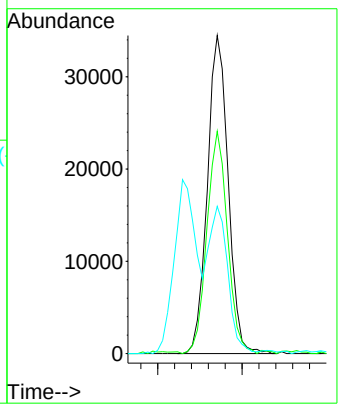
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

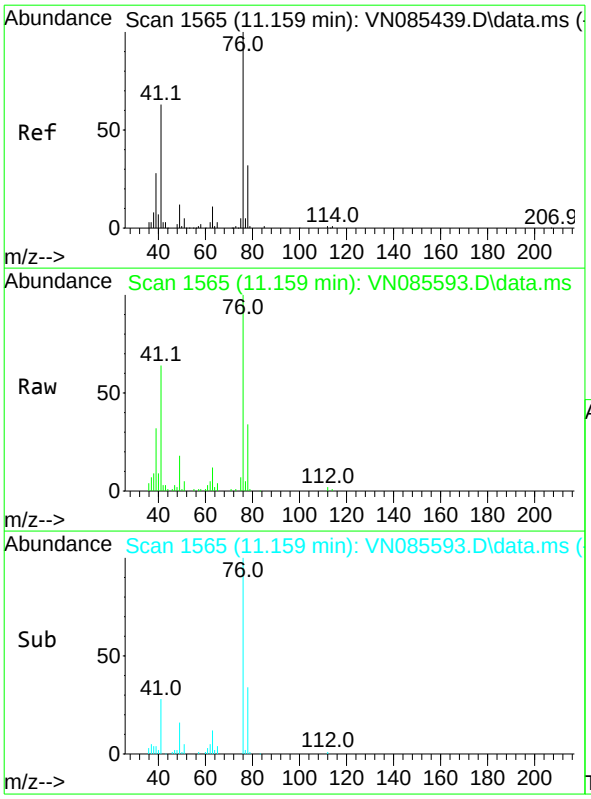


#56
Ethyl methacrylate
Concen: 17.580 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion: 69 Resp: 59018

Ion	Ratio	Lower	Upper
69	100		
41	69.1	54.6	82.0
39	43.7	32.4	48.6





#57
1,3-Dichloropropane
Concen: 20.157 ug/l
RT: 11.159 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

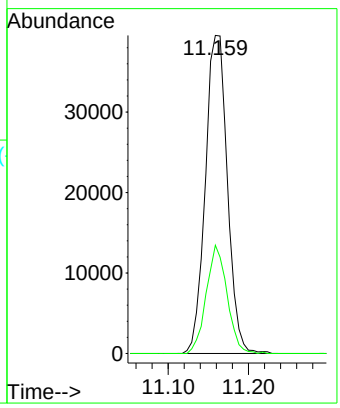
Tgt Ion: 76 Resp: 75438

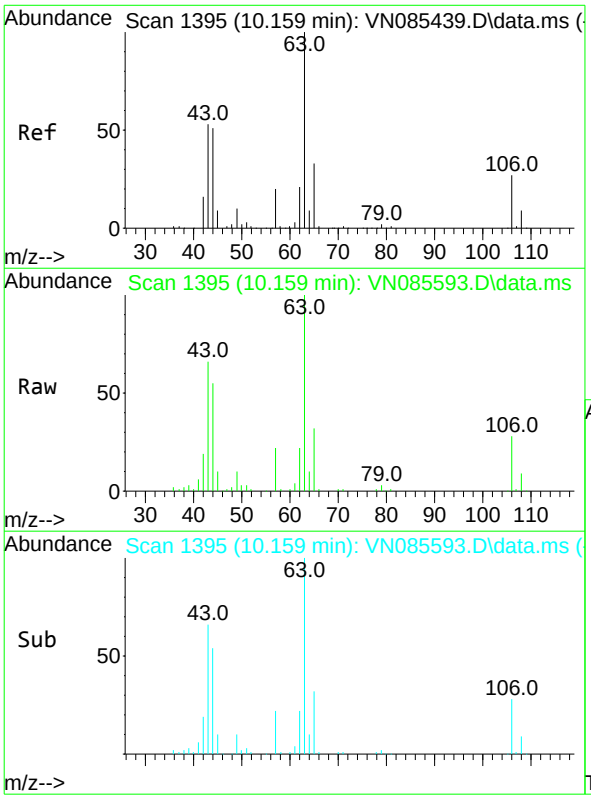
Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.6	38.4

Instrument :
MSVOA_N
ClientSampleId :
VN0131WBS01

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

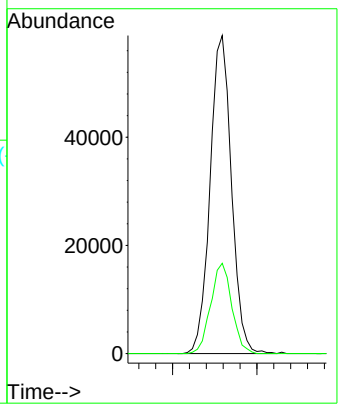


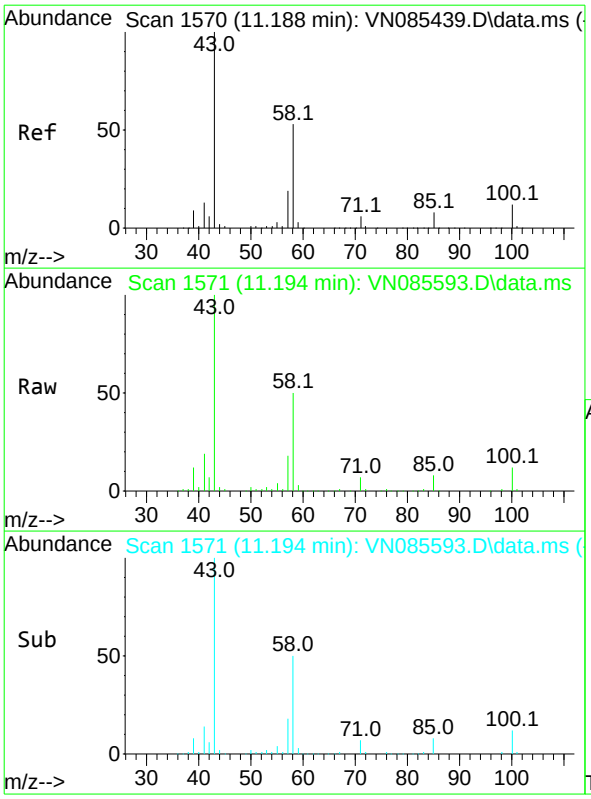


#58
2-Chloroethyl Vinyl ether
Concen: 75.697 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion: 63 Resp: 103394

Ion	Ratio	Lower	Upper
63	100		
106	28.0	21.6	32.4





#59
2-Hexanone
Concen: 108.244 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

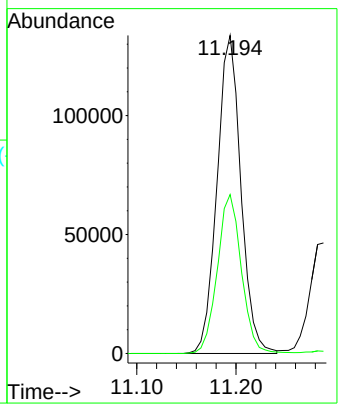
Tgt Ion: 43 Resp: 223307

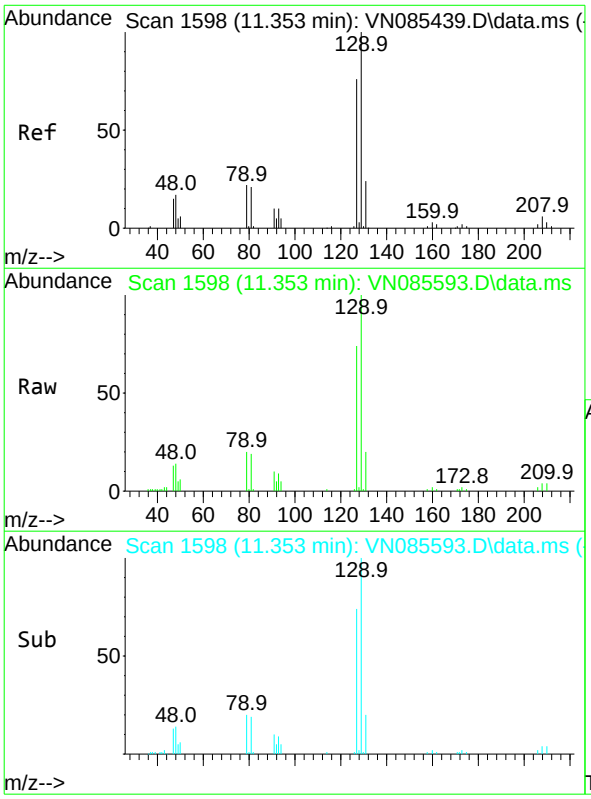
Ion	Ratio	Lower	Upper
43	100		
58	50.5	26.2	78.6

Instrument :
MSVOA_N
ClientSampleId :
VN0131WBS01

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

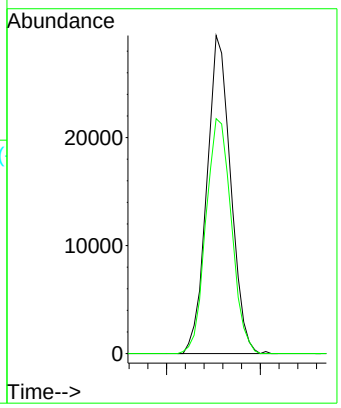


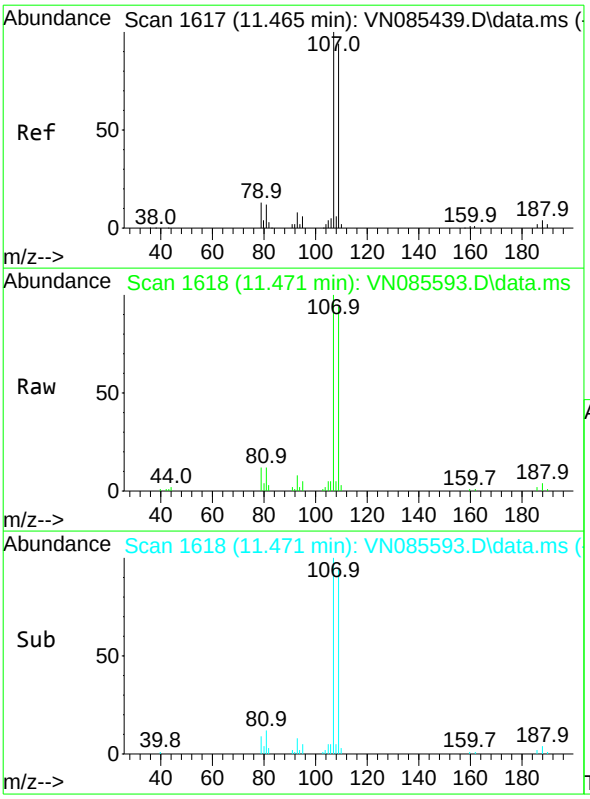


#60
Dibromochloromethane
Concen: 20.010 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion:129 Resp: 51998

Ion	Ratio	Lower	Upper
129	100		
127	79.0	38.6	115.8

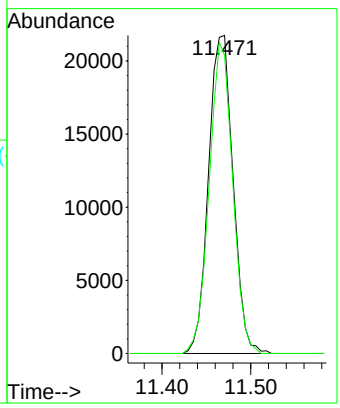




#61
1,2-Dibromoethane
Concen: 19.501 ug/l
RT: 11.471 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion:107 Resp: 41782

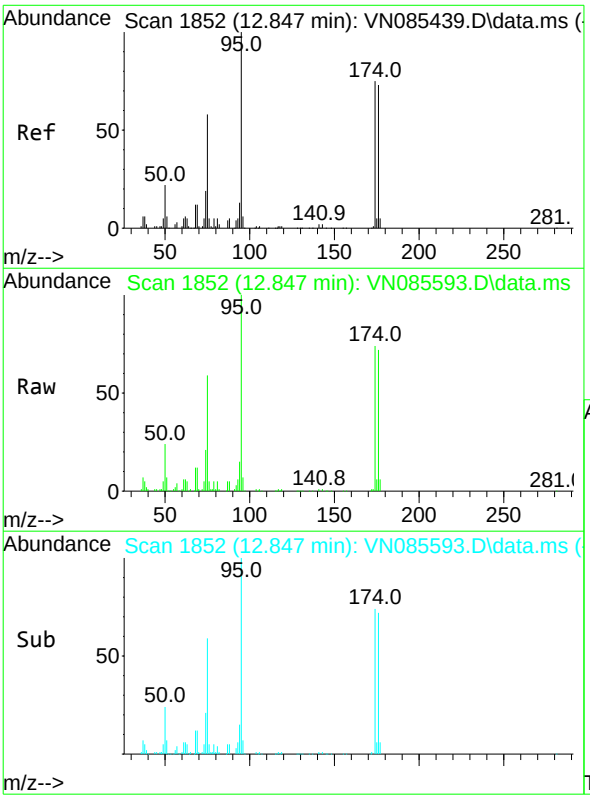
Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.9	113.9



Instrument :
MSVOA_N
ClientSampleId :
VN0131WBS01

Manual Integrations
APPROVED

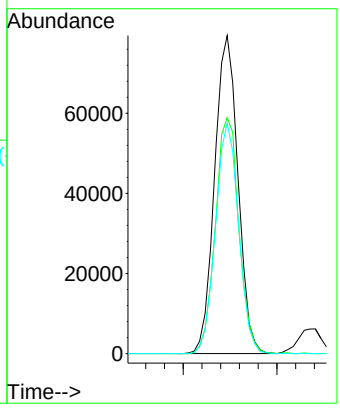
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

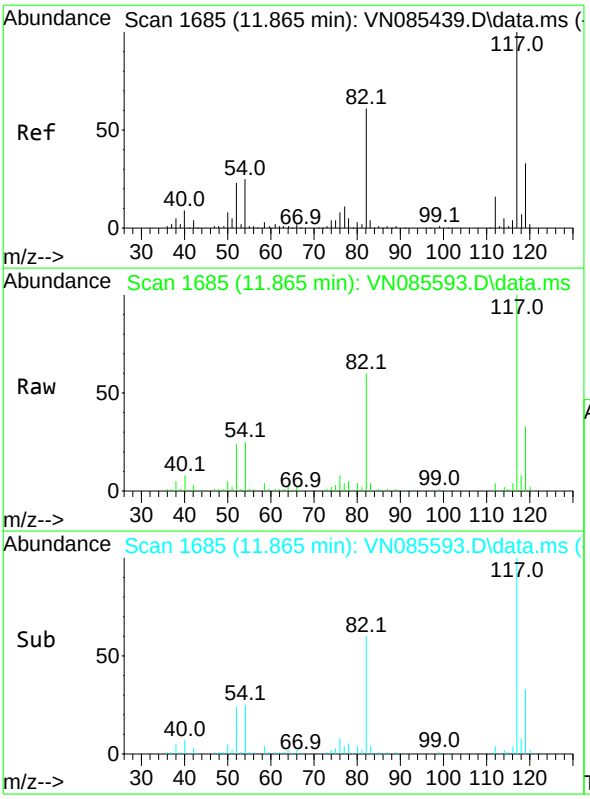


#62
4-Bromofluorobenzene
Concen: 50.788 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion: 95 Resp: 137397

Ion	Ratio	Lower	Upper
95	100		
174	74.6	0.0	145.0
176	71.6	0.0	142.4

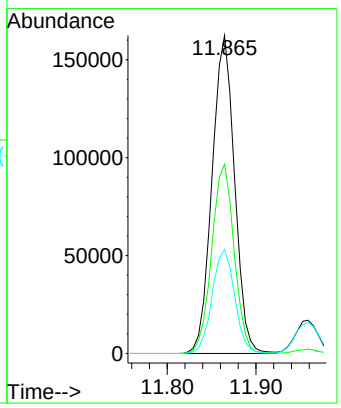




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion:117 Resp: 286465

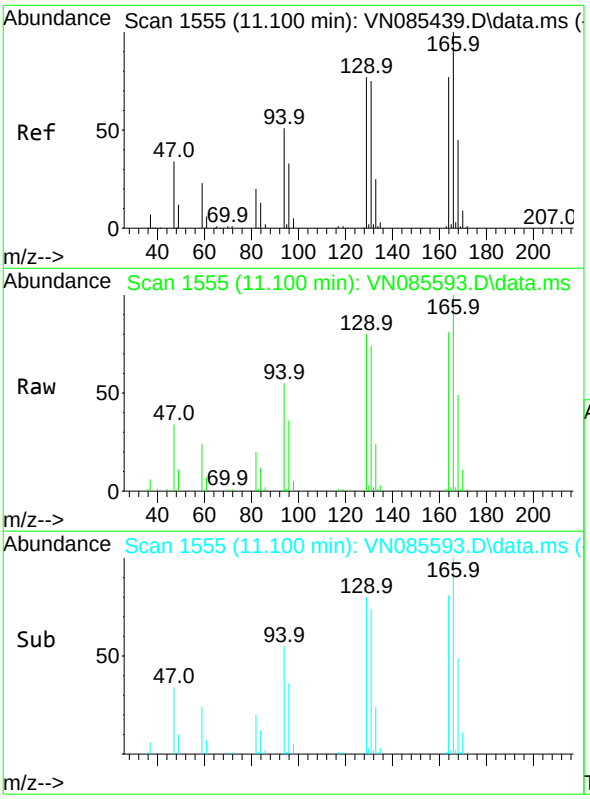
Ion	Ratio	Lower	Upper
117	100		
82	59.5	48.6	72.8
119	32.7	26.6	39.8



Instrument :
MSVOA_N
ClientSampleId :
VN0131WBS01

Manual Integrations
APPROVED

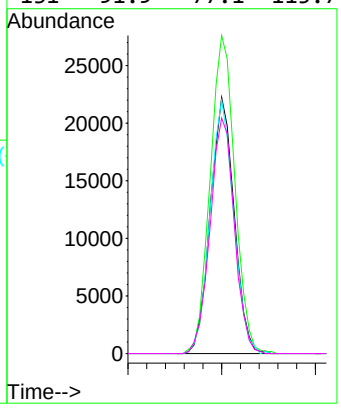
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

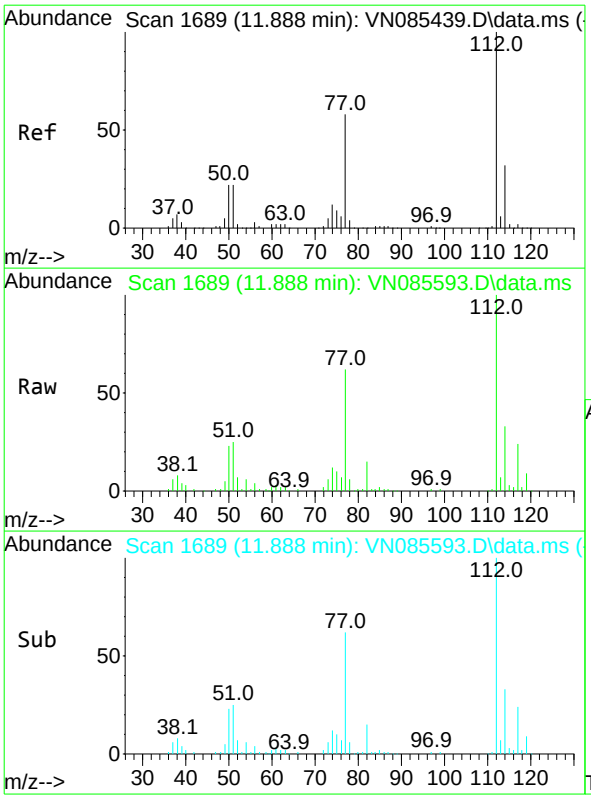


#64
Tetrachloroethene
Concen: 20.154 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion:164 Resp: 39360

Ion	Ratio	Lower	Upper
164	100		
166	124.0	103.4	155.2
129	98.8	79.2	118.8
131	91.9	77.1	115.7

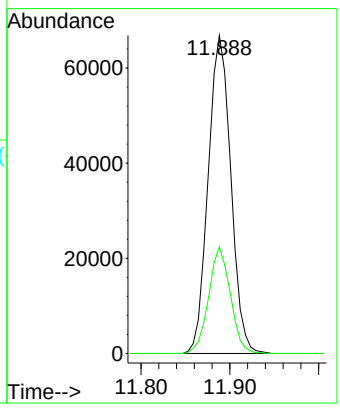




#65
Chlorobenzene
Concen: 18.877 ug/l
RT: 11.888 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion:112 Resp: 118461

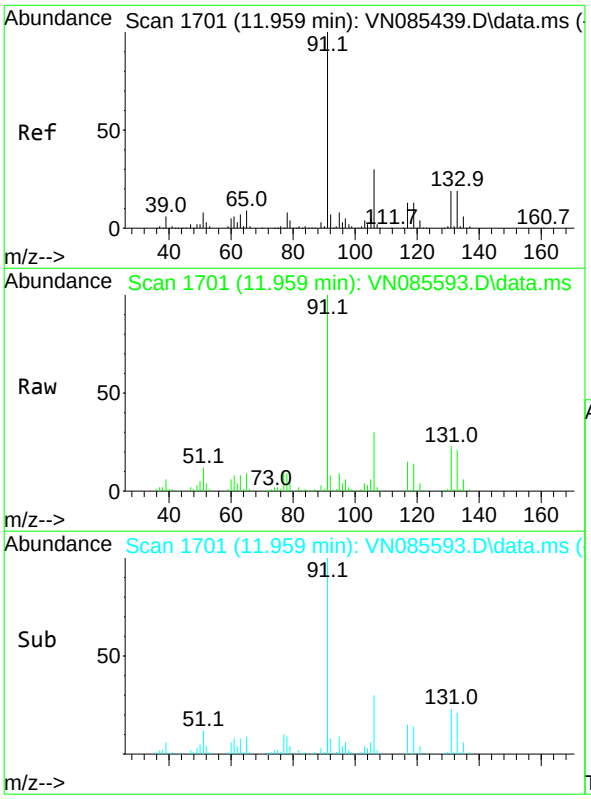
Ion	Ratio	Lower	Upper
112	100		
114	33.5	25.3	37.9



Instrument :
MSVOA_N
ClientSampleId :
VN0131WBS01

Manual Integrations
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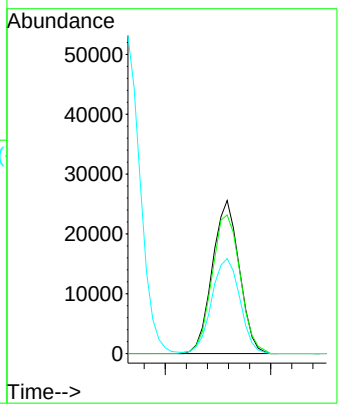
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

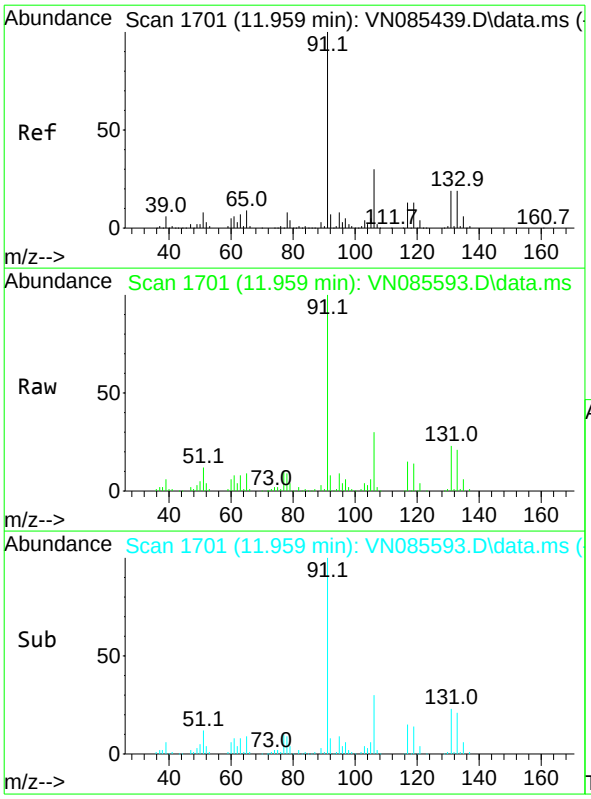


#66
1,1,1,2-Tetrachloroethane
Concen: 19.712 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion:131 Resp: 45402

Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.4	142.3
119	65.0	33.1	99.5

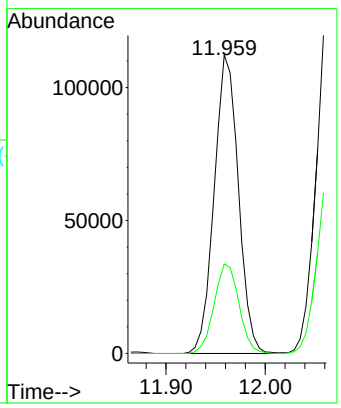




#67
Ethyl Benzene
Concen: 18.588 ug/l
RT: 11.959 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion: 91 Resp: 189996

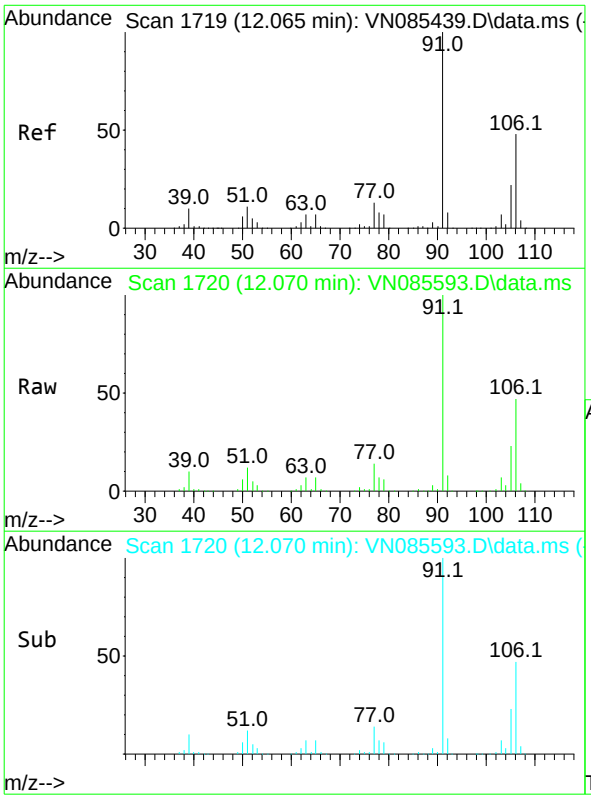
Ion	Ratio	Lower	Upper
91	100		
106	30.0	23.8	35.8



Instrument :
MSVOA_N
ClientSampleId :
VN0131WBS01

Manual Integrations
APPROVED

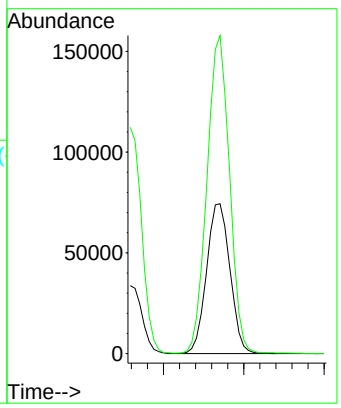
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

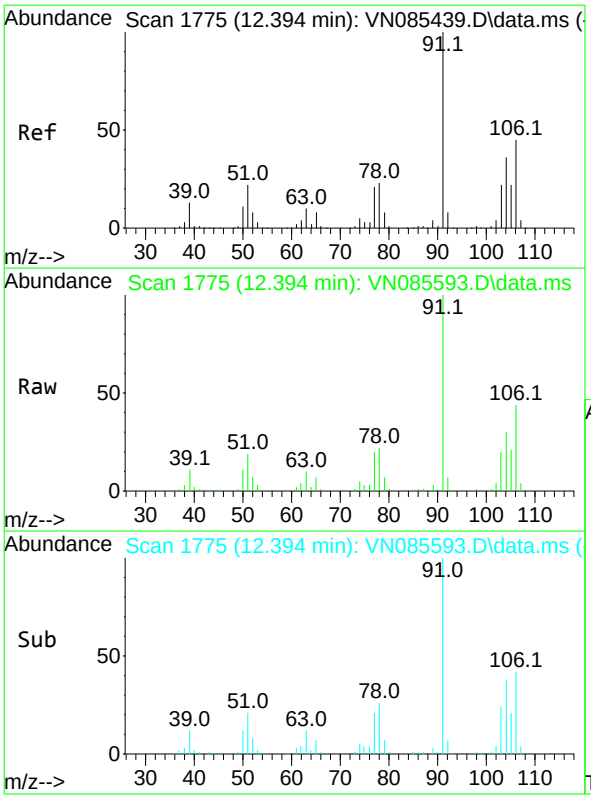


#68
m/p-Xylenes
Concen: 39.852 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. 0.006 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion:106 Resp: 150545

Ion	Ratio	Lower	Upper
106	100		
91	205.0	167.7	251.5

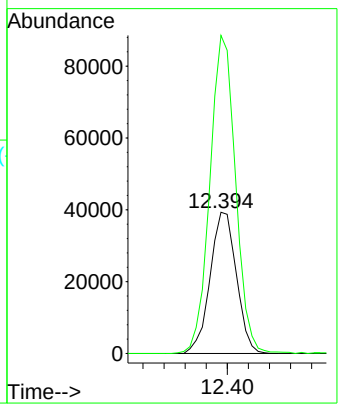




#69
o-Xylene
Concen: 18.885 ug/l
RT: 12.394 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion:106 Resp: 68176

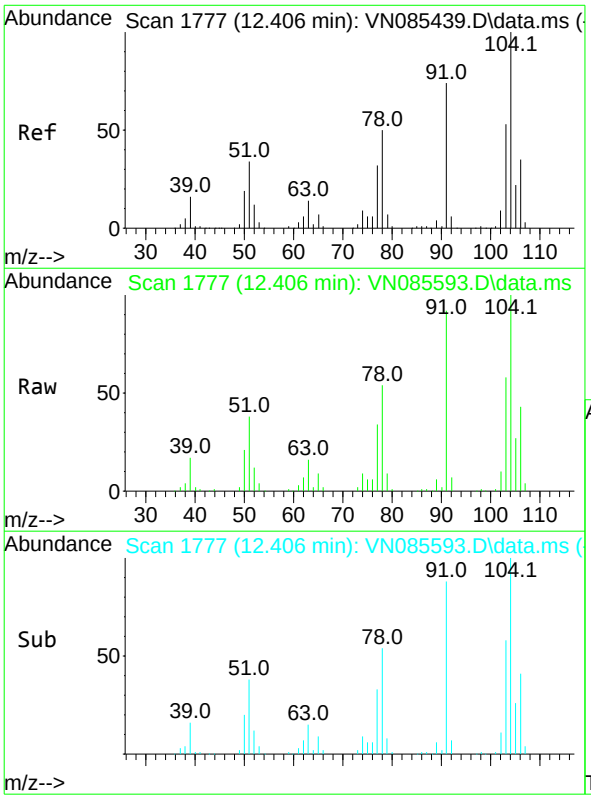
Ion	Ratio	Lower	Upper
106	100		
91	219.8	110.4	331.2



Instrument :
MSVOA_N
ClientSampleId :
VN0131WBS01

Manual Integrations
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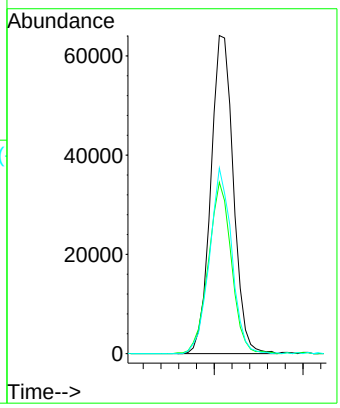
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

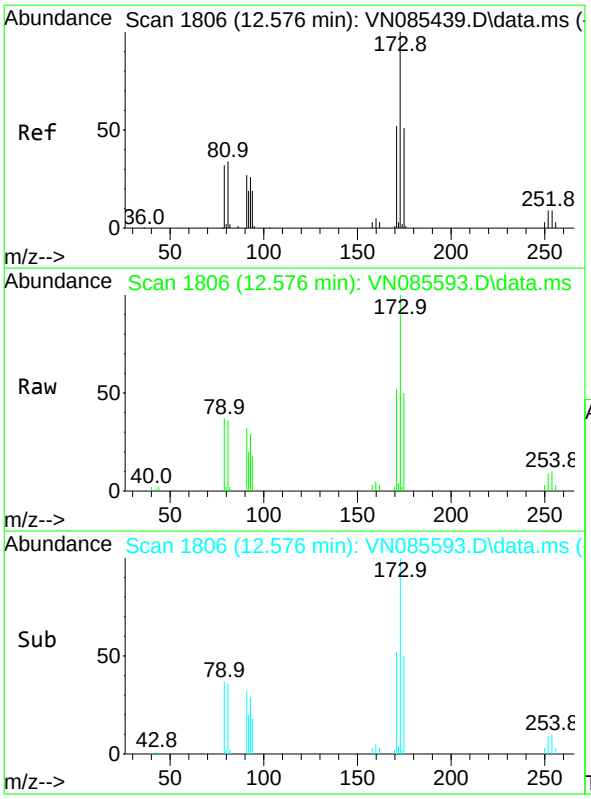


#70
Styrene
Concen: 18.944 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion:104 Resp: 113181

Ion	Ratio	Lower	Upper
104	100		
78	54.9	42.5	63.7
103	57.4	43.8	65.8





#71
Bromoform
Concen: 20.438 ug/l
RT: 12.576 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

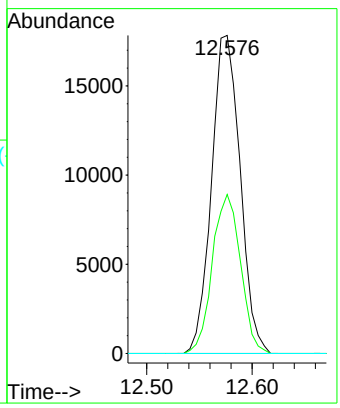
Instrument :
MSVOA_N
ClientSampleId :
VN0131WBS01

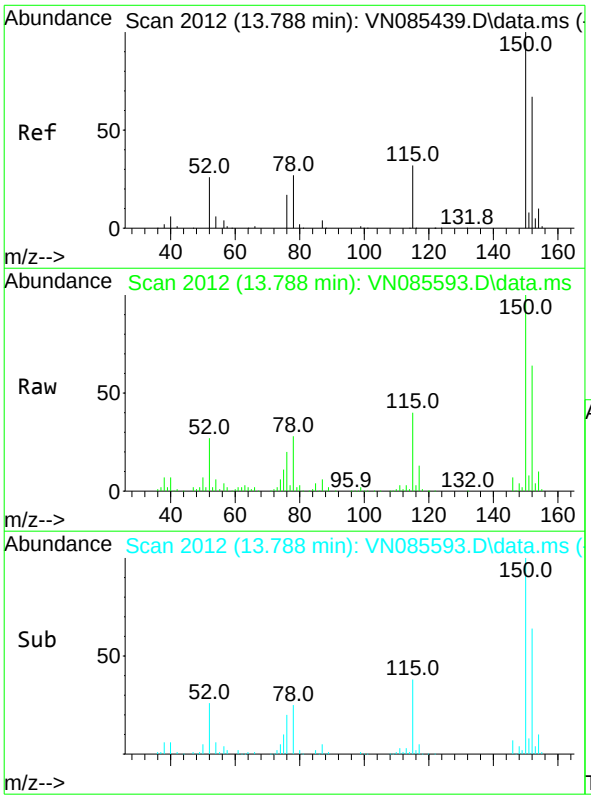
Tgt Ion:173 Resp: 33682

Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.4	73.2
254	0.0	0.0	0.0

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

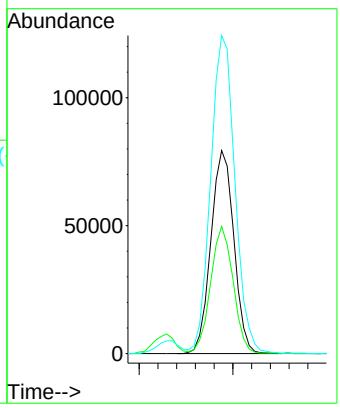


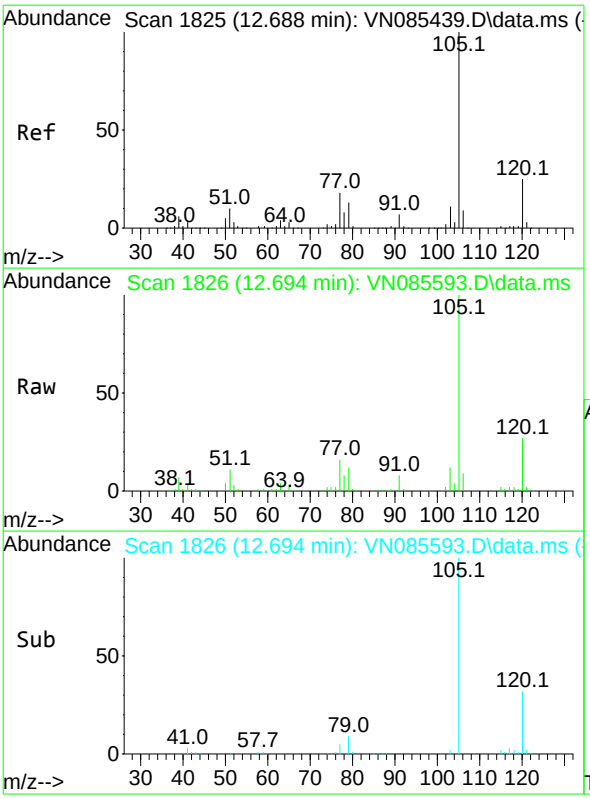


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion:152 Resp: 135464

Ion	Ratio	Lower	Upper
152	100		
115	61.4	31.1	93.3
150	165.4	0.0	343.6

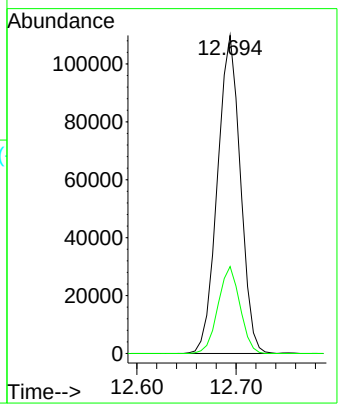




#73
Isopropylbenzene
Concen: 19.299 ug/l
RT: 12.694 min Scan# 18
Delta R.T. 0.006 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion:105 Resp: 176447

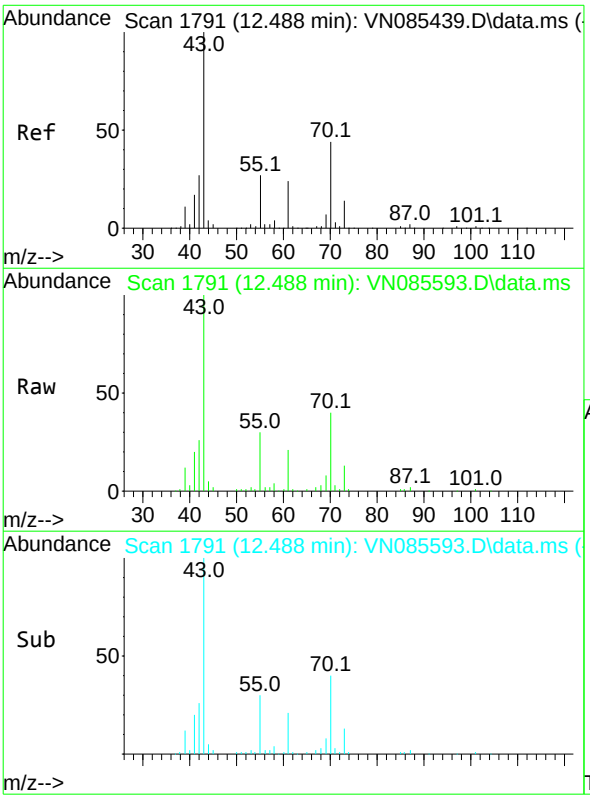
Ion	Ratio	Lower	Upper
105	100		
120	26.1	12.8	38.3



Instrument :
MSVOA_N
ClientSampleId :
VN0131WBS01

Manual Integrations
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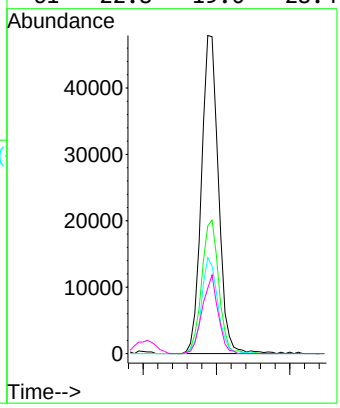
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

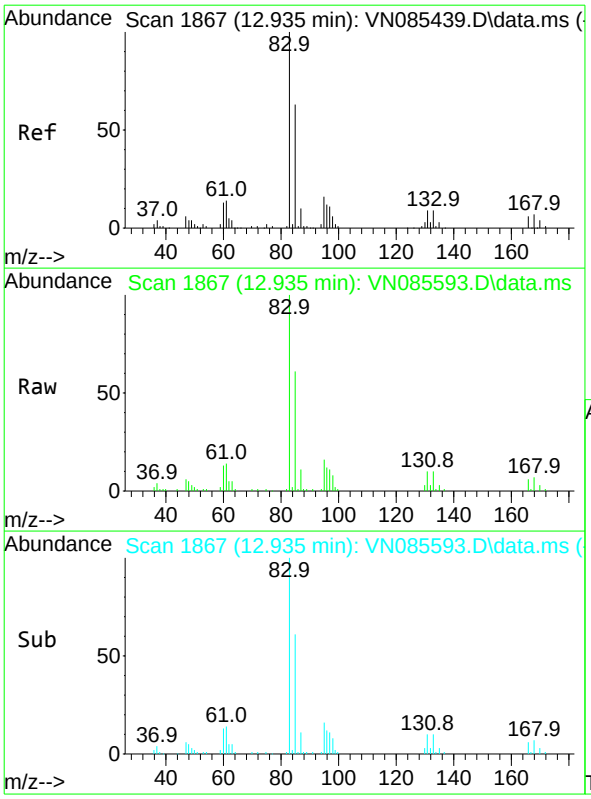


#74
N-amyl acetate
Concen: 18.824 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion: 43 Resp: 77354

Ion	Ratio	Lower	Upper
43	100		
70	41.8	34.0	51.0
55	28.4	21.4	32.2
61	22.8	19.0	28.4





#75
1,1,2,2-Tetrachloroethane
Concen: 19.969 ug/l
RT: 12.935 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

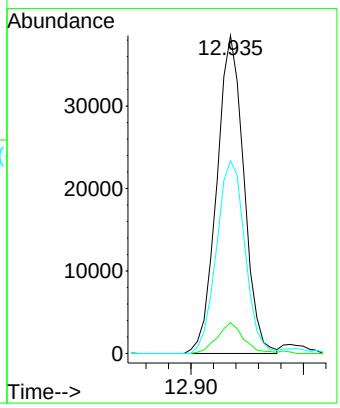
Tgt Ion: 83 Resp: 64490

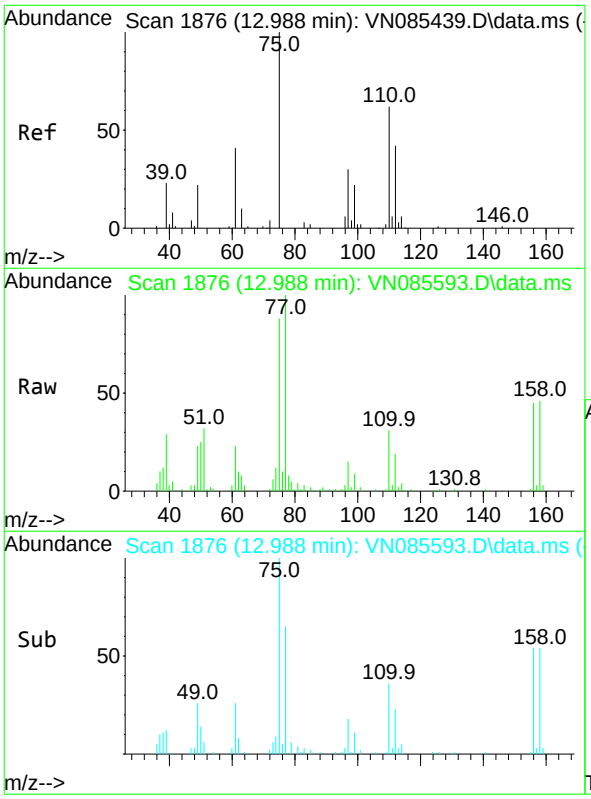
Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.8	14.4
85	63.5	32.2	96.6

Instrument :
MSVOA_N
ClientSampleId :
VN0131WBS01

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

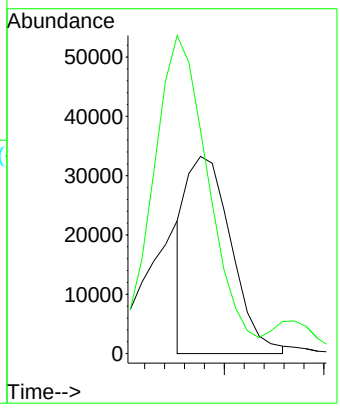


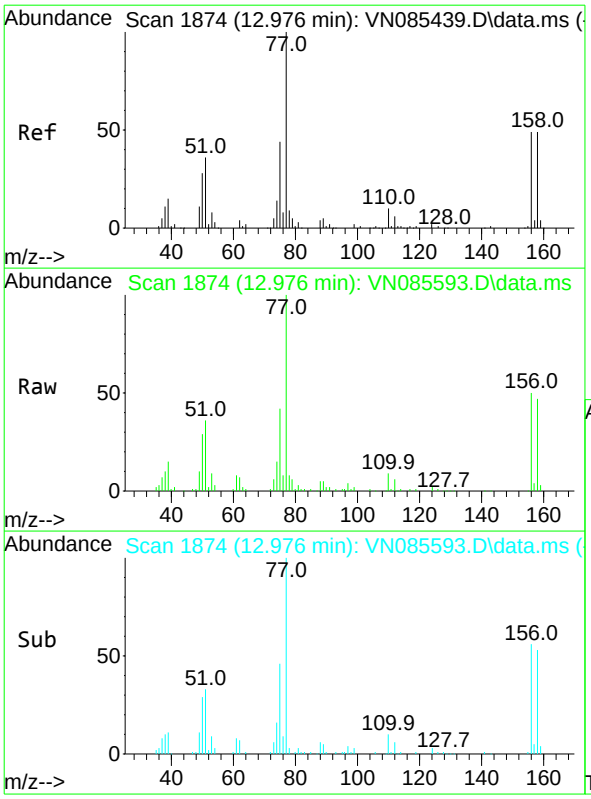


#76
1,2,3-Trichloropropane
Concen: 18.971 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion: 75 Resp: 52234

Ion	Ratio	Lower	Upper
75	100		
77	201.2	109.7	329.2





#77
Bromobenzene
Concen: 18.976 ug/l
RT: 12.976 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

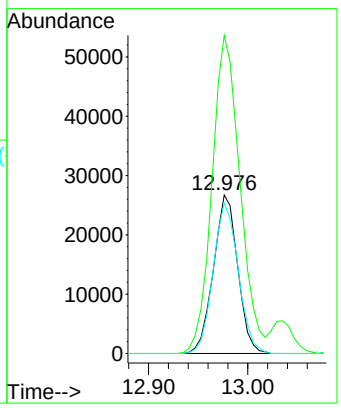
Tgt Ion:156 Resp: 45326

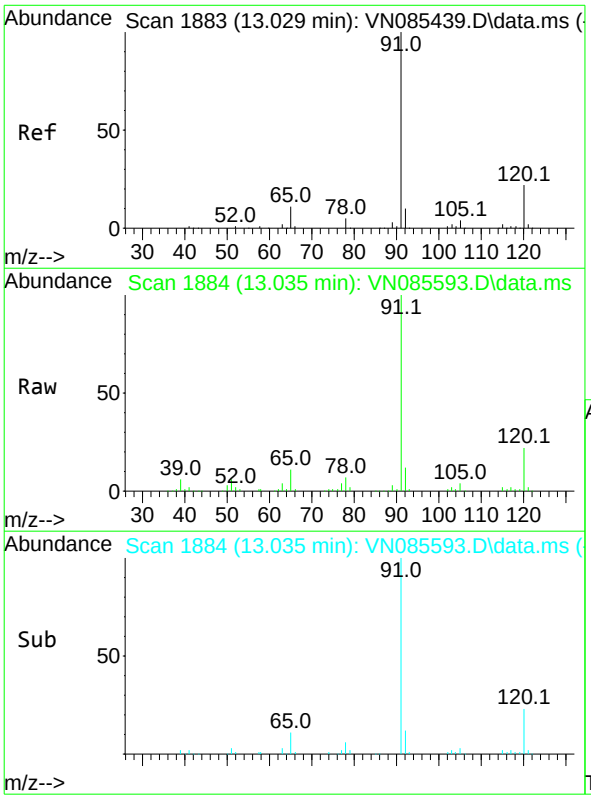
Ion	Ratio	Lower	Upper
156	100		
77	231.9	114.1	342.4
158	98.3	48.9	146.8

Instrument :
MSVOA_N
ClientSampleId :
VN0131WBS01

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

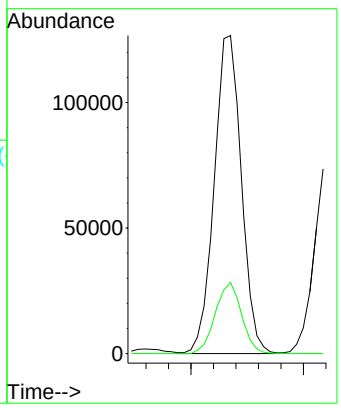


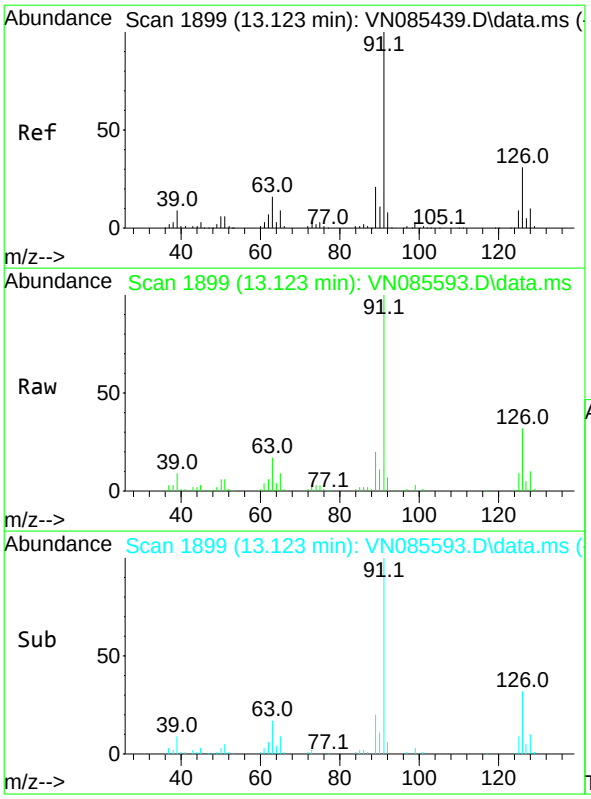


#78
n-propylbenzene
Concen: 19.579 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.006 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion: 91 Resp: 211911

Ion	Ratio	Lower	Upper
91	100		
120	21.6	10.9	32.6

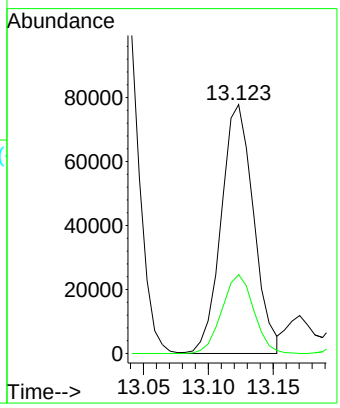




#79
2-Chlorotoluene
Concen: 19.320 ug/l
RT: 13.123 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion: 91 Resp: 135337

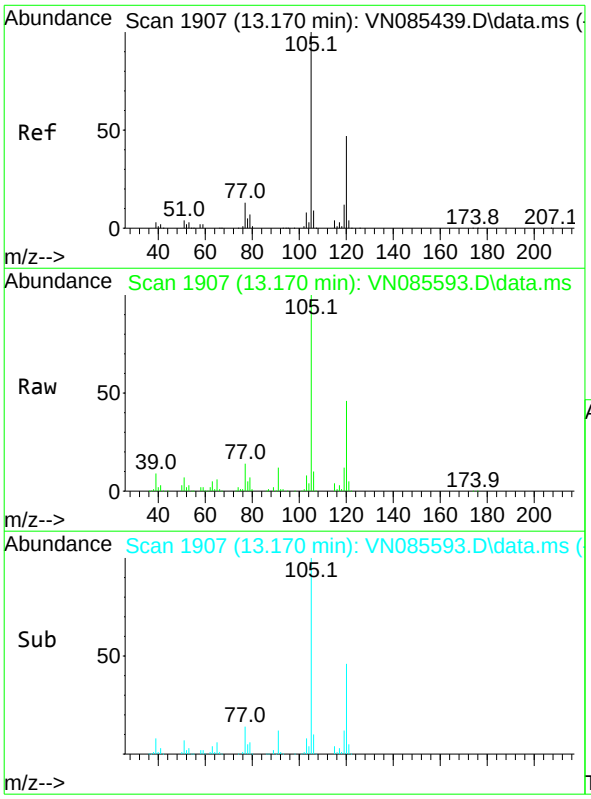
Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
VN0131WBS01

Manual Integrations
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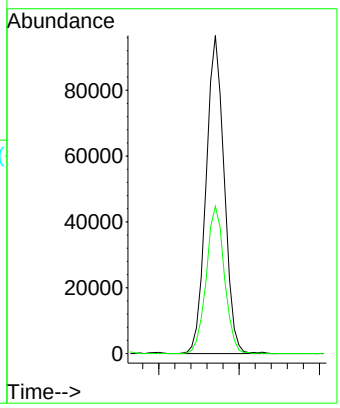
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

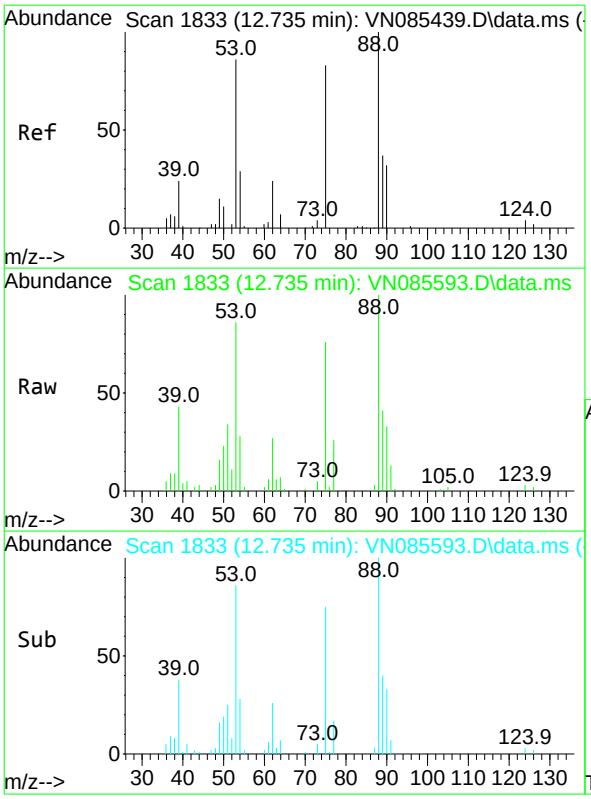


#80
1,3,5-Trimethylbenzene
Concen: 19.996 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion:105 Resp: 151009

Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.9	71.7





#81
trans-1,4-Dichloro-2-butene
Concen: 19.361 ug/l
RT: 12.735 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

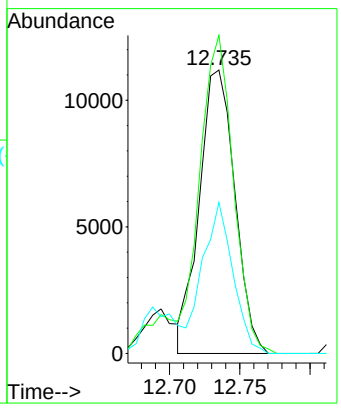
Tgt Ion: 75 Resp: 19703

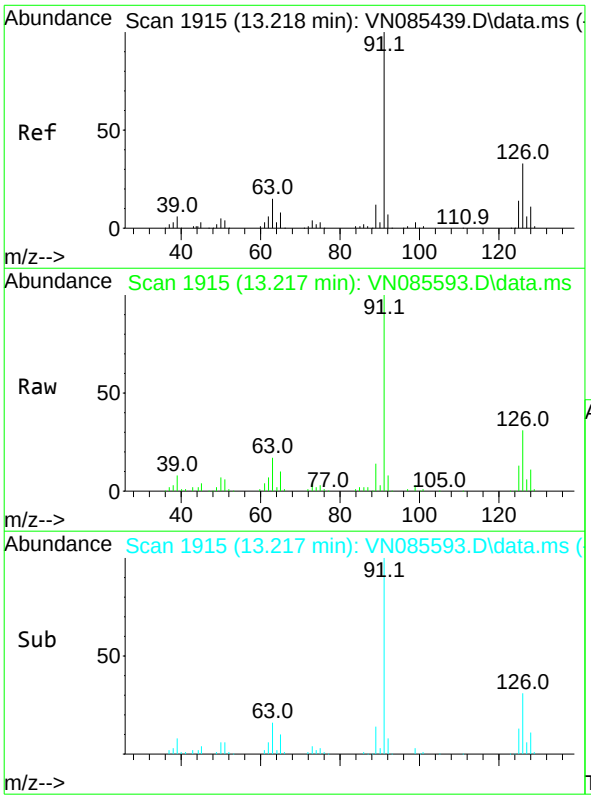
Ion	Ratio	Lower	Upper
75	100		
53	118.8	95.6	143.4
89	45.1	37.0	55.6

Instrument :
MSVOA_N
ClientSampleId :
VN0131WBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

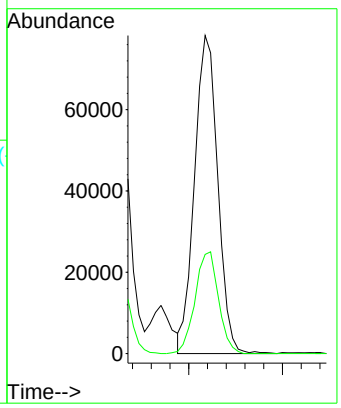


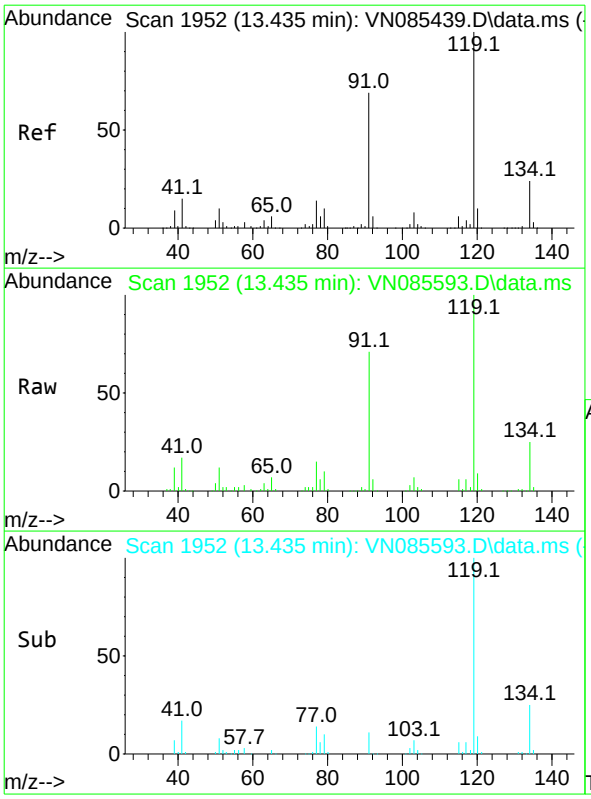


#82
4-Chlorotoluene
Concen: 19.280 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion: 91 Resp: 134471

Ion	Ratio	Lower	Upper
91	100		
126	32.3	15.9	47.7

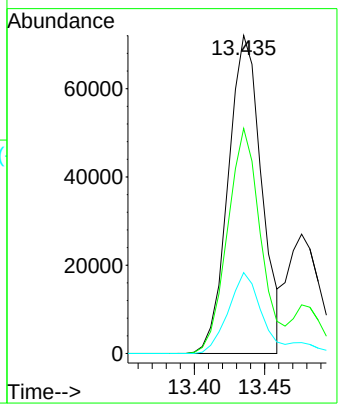




#83
tert-Butylbenzene
Concen: 18.748 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion:119 Resp: 118897

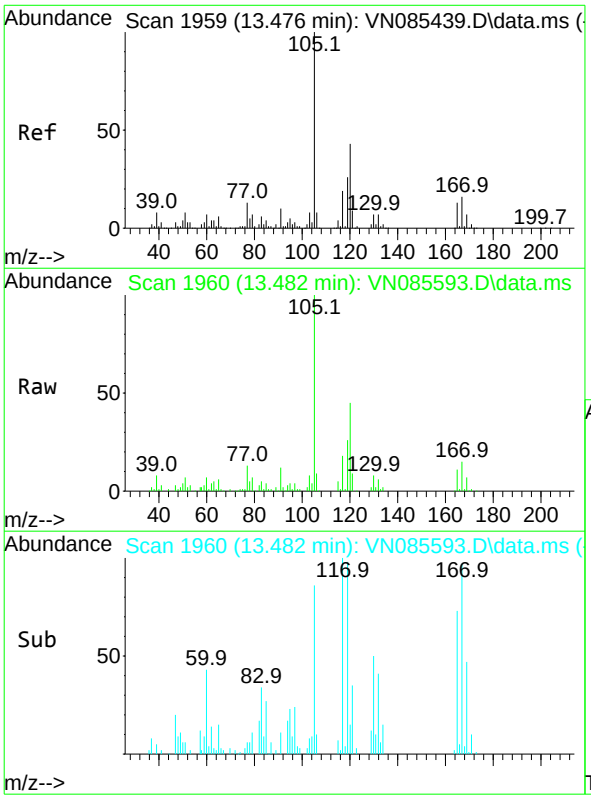
Ion	Ratio	Lower	Upper
119	100		
91	70.9	35.1	105.3
134	25.0	12.0	36.1



Instrument :
MSVOA_N
ClientSampleId :
VN0131WBS01

Manual Integrations
APPROVED

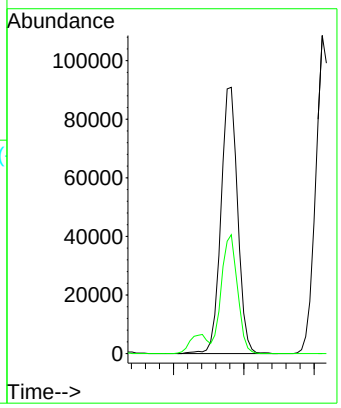
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

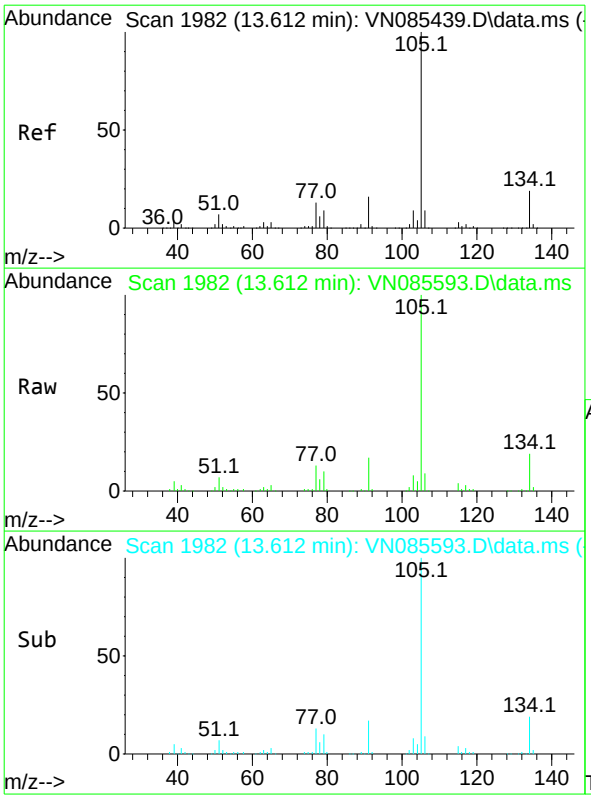


#84
1,2,4-Trimethylbenzene
Concen: 19.938 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion:105 Resp: 150071

Ion	Ratio	Lower	Upper
105	100		
120	43.1	21.6	65.0

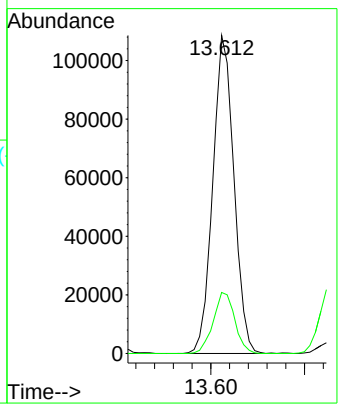




#85
sec-Butylbenzene
Concen: 19.315 ug/l
RT: 13.612 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion:105 Resp: 169773

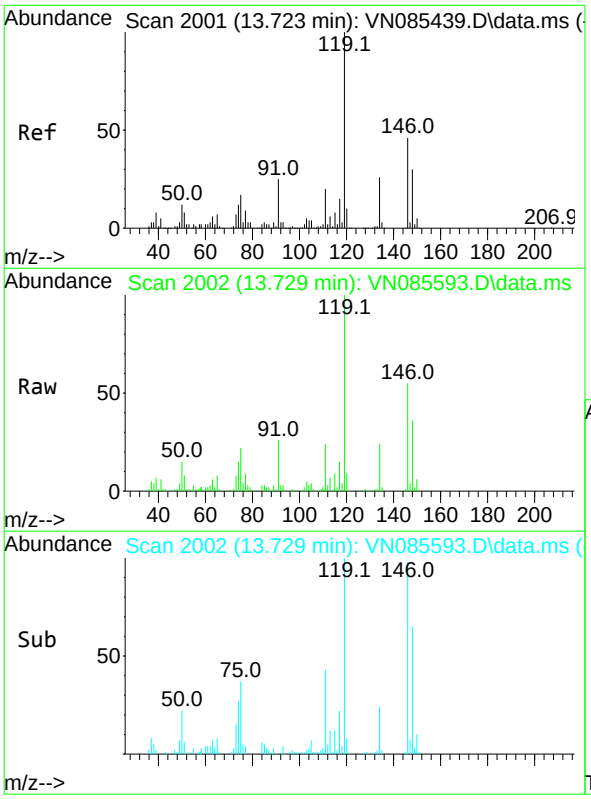
Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.7	28.9



Instrument :
MSVOA_N
ClientSampleId :
VN0131WBS01

Manual Integrations
APPROVED

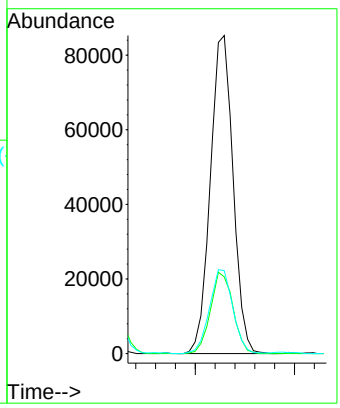
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

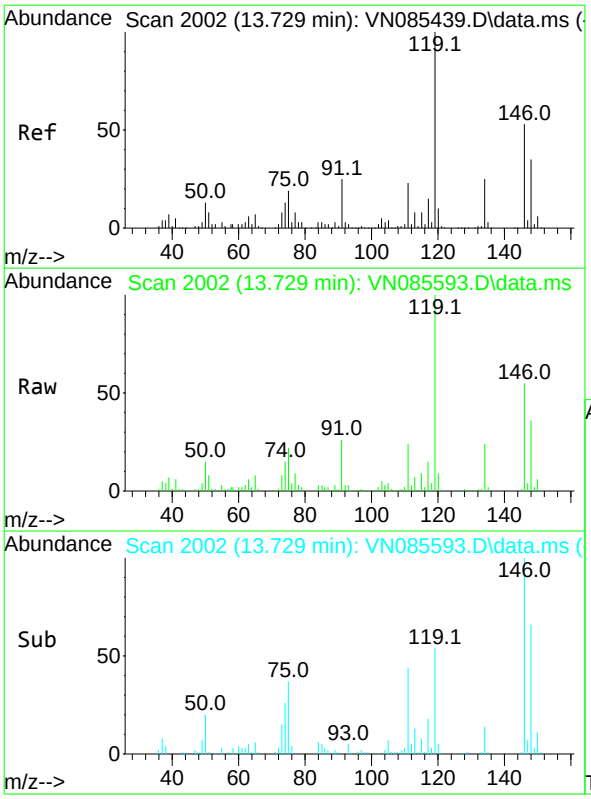


#86
p-Isopropyltoluene
Concen: 18.592 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion:119 Resp: 135685

Ion	Ratio	Lower	Upper
119	100		
134	25.3	12.7	38.0
91	27.1	12.7	38.1

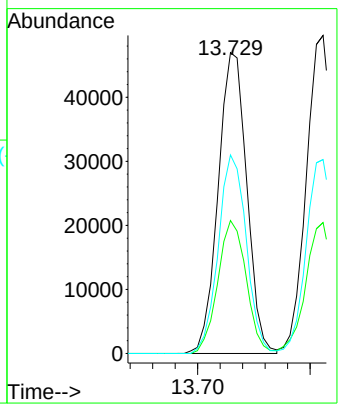




#87
1,3-Dichlorobenzene
Concen: 18.896 ug/l
RT: 13.729 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion:146 Resp: 83123

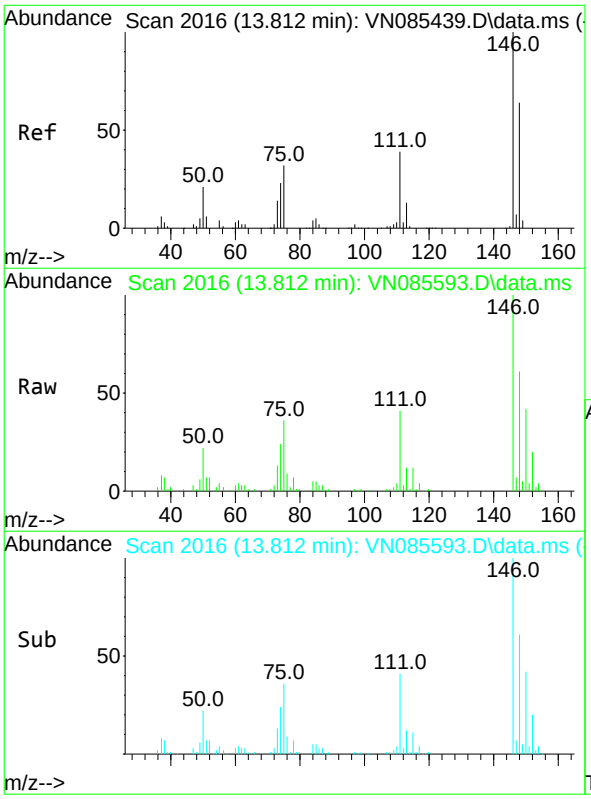
Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.4	64.3
148	64.7	32.3	96.9



Instrument :
MSVOA_N
ClientSampleId :
VN0131WBS01

Manual Integrations
APPROVED

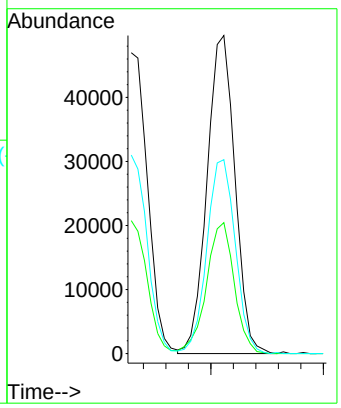
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

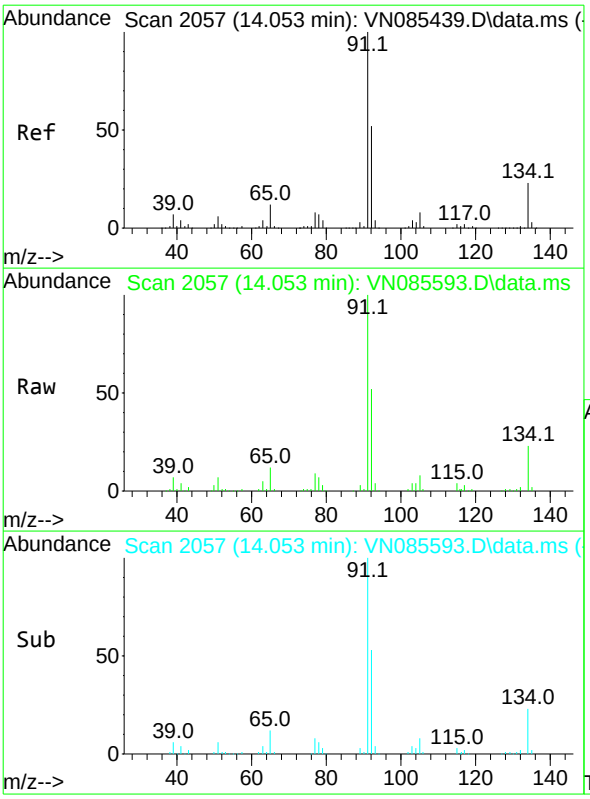


#88
1,4-Dichlorobenzene
Concen: 18.785 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion:146 Resp: 85651

Ion	Ratio	Lower	Upper
146	100		
111	41.0	21.3	63.7
148	62.2	32.4	97.0

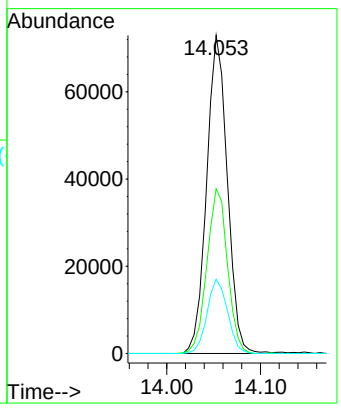




#89
n-Butylbenzene
Concen: 17.761 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion: 91 Resp: 111994

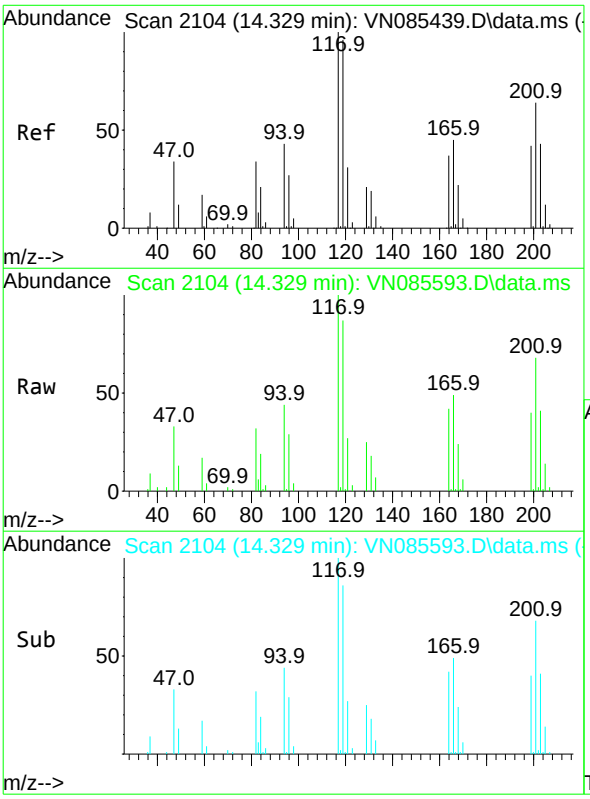
Ion	Ratio	Lower	Upper
91	100		
92	51.5	25.8	77.3
134	23.1	11.7	35.1



Instrument :
MSVOA_N
ClientSampleId :
VN0131WBS01

Manual Integrations
APPROVED

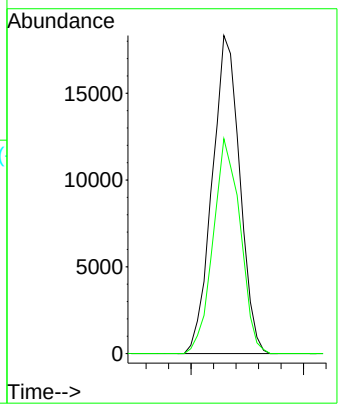
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

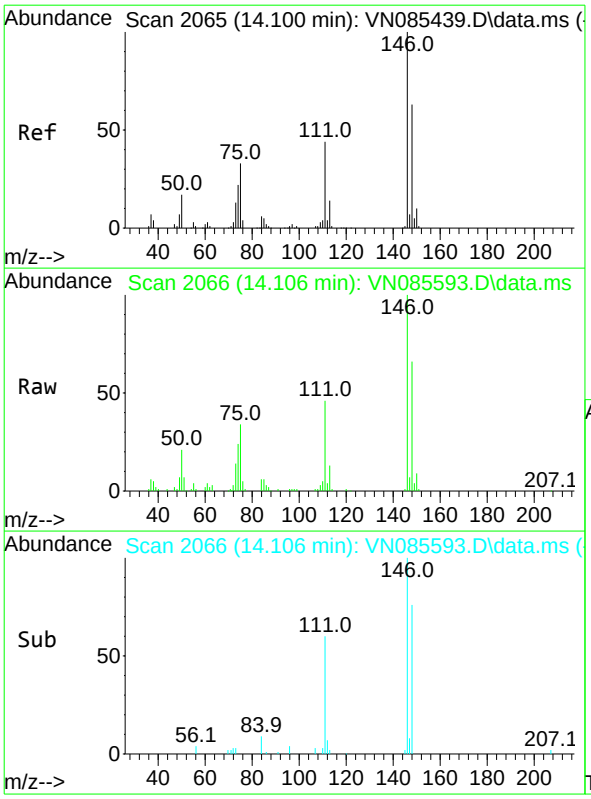


#90
Hexachloroethane
Concen: 18.652 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion:117 Resp: 31211

Ion	Ratio	Lower	Upper
117	100		
201	66.4	33.7	101.0

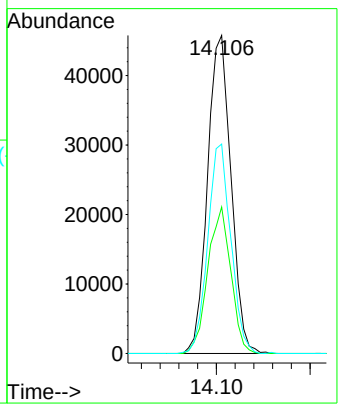




#91
1,2-Dichlorobenzene
Concen: 18.130 ug/l
RT: 14.106 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion:146 Resp: 79551

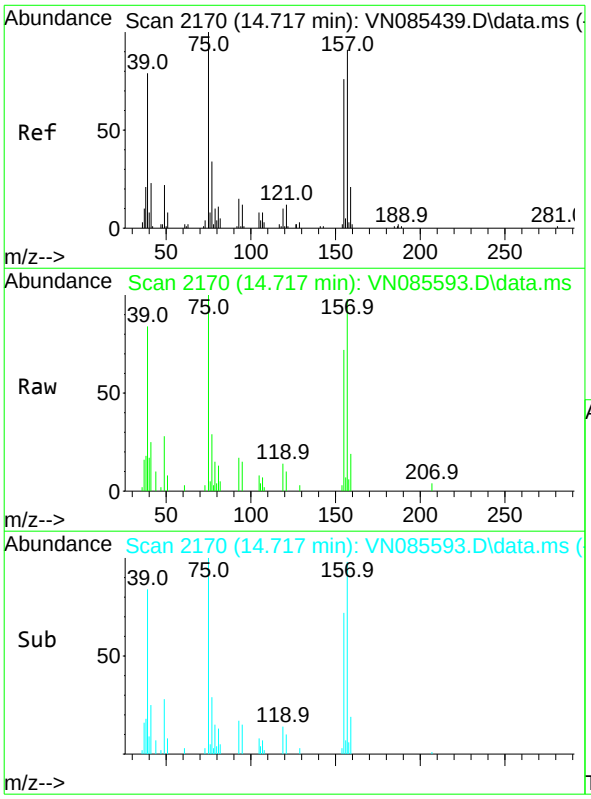
Ion	Ratio	Lower	Upper
146	100		
111	45.1	21.7	65.1
148	64.8	31.4	94.2



Instrument :
MSVOA_N
ClientSampleId :
VN0131WBS01

Manual Integrations
APPROVED

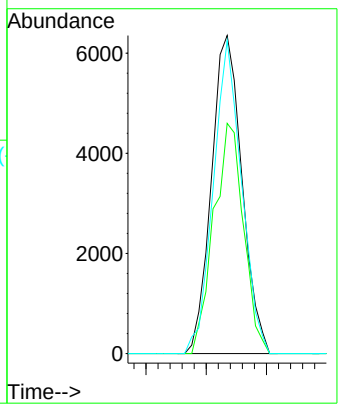
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

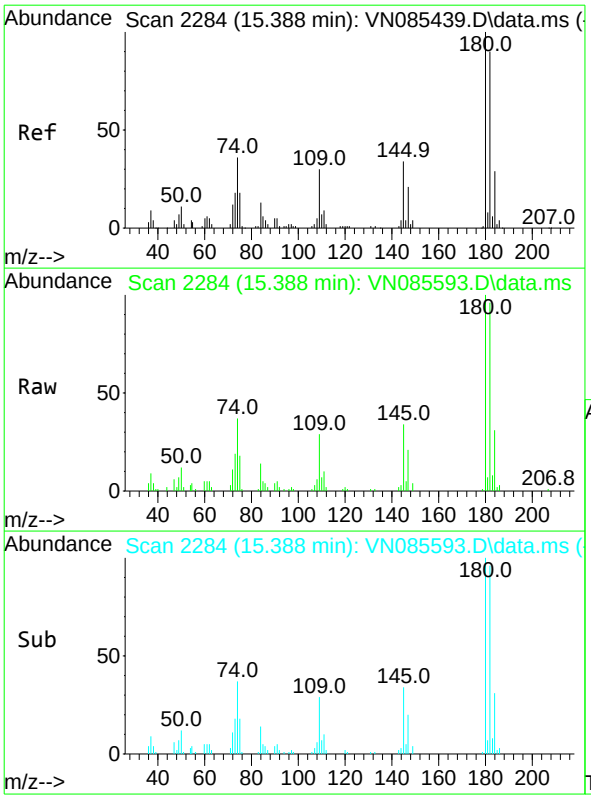


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.991 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion: 75 Resp: 11200

Ion	Ratio	Lower	Upper
75	100		
155	70.5	36.4	109.2
157	91.0	45.4	136.1





#93
1,2,4-Trichlorobenzene
Concen: 16.935 ug/l
RT: 15.388 min Scan# 22
Delta R.T. -0.000 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

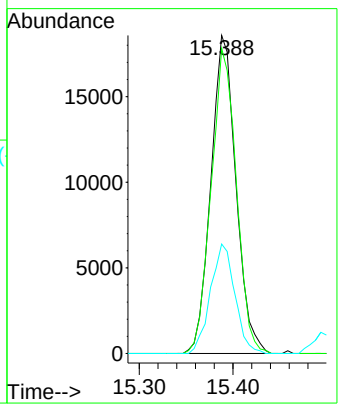
Instrument :
MSVOA_N
ClientSampleId :
VN0131WBS01

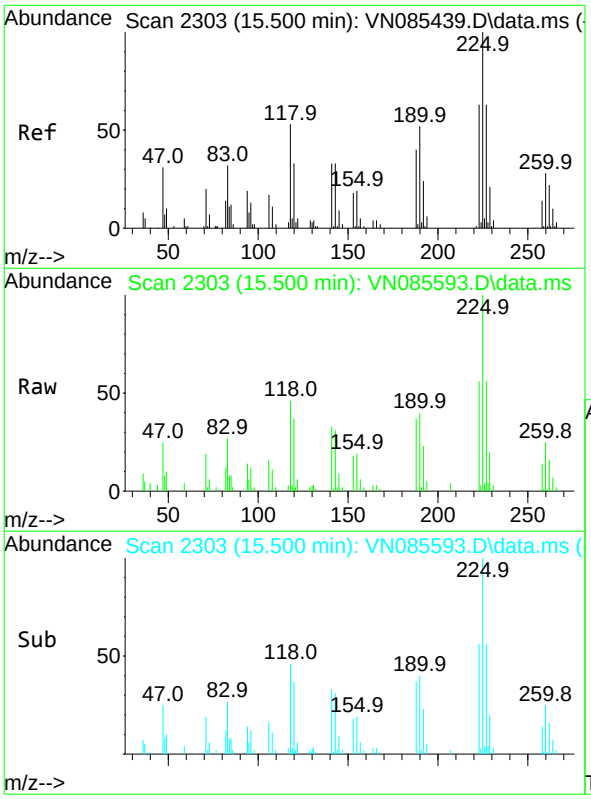
Tgt Ion:180 Resp: 34537

Ion	Ratio	Lower	Upper
180	100		
182	96.1	46.8	140.3
145	33.5	16.0	48.0

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

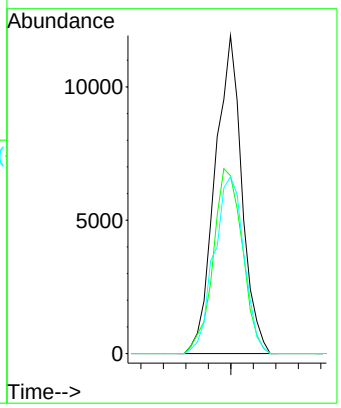


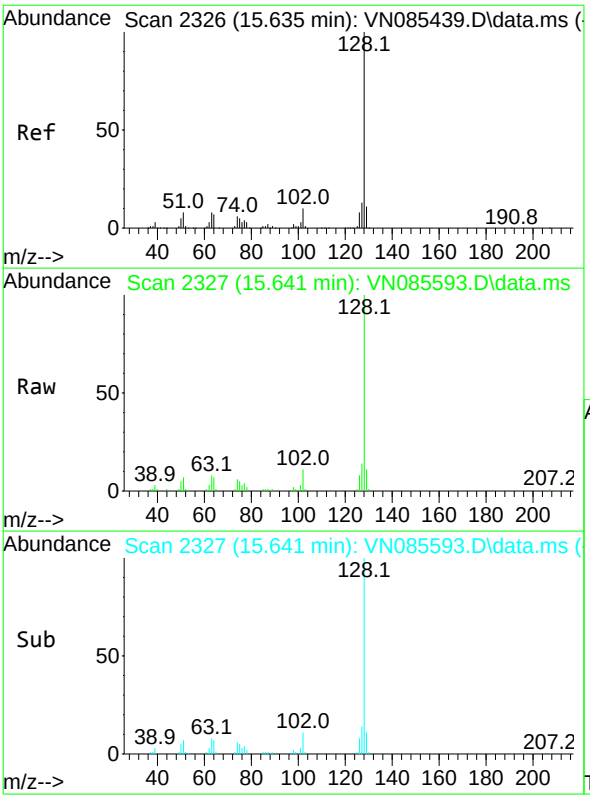


#94
Hexachlorobutadiene
Concen: 18.291 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion:225 Resp: 19804

Ion	Ratio	Lower	Upper
225	100		
223	63.0	30.7	92.1
227	61.8	30.9	92.5

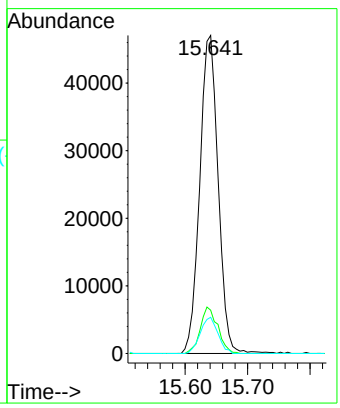




#95
Naphthalene
Concen: 15.801 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.006 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion:128 Resp: 96159

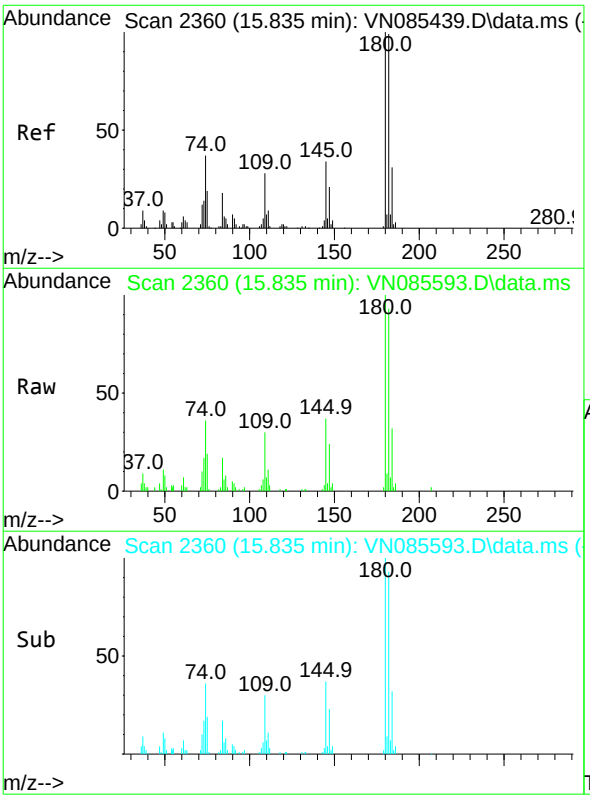
Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.6	16.0
129	10.9	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VN0131WBS01

Manual Integrations
APPROVED

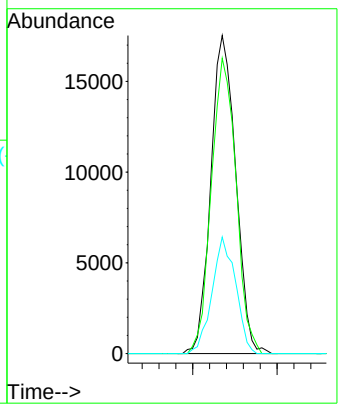
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025



#96
1,2,3-Trichlorobenzene
Concen: 17.448 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN085593.D
Acq: 31 Jan 2025 11:06

Tgt Ion:180 Resp: 36004

Ion	Ratio	Lower	Upper
180	100		
182	92.0	47.4	142.2
145	34.7	16.9	50.7



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

Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	VN0130WBSD01	SDG No.:	Q1211
Lab Sample ID:	VN0130WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085580.D	1		01/30/25 15:30	VN013025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	16.7		0.21	0.50	5.00	ug/L
74-87-3	Chloromethane	16.7		0.35	0.50	5.00	ug/L
75-01-4	Vinyl Chloride	17.4		0.34	0.75	5.00	ug/L
74-83-9	Bromomethane	18.7		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	19.2		0.56	0.50	5.00	ug/L
75-69-4	Trichlorofluoromethane	18.7		0.34	0.50	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.5		0.25	0.50	5.00	ug/L
75-35-4	1,1-Dichloroethene	19.2		0.26	0.75	5.00	ug/L
67-64-1	Acetone	110		1.40	3.80	25.0	ug/L
75-15-0	Carbon Disulfide	15.5		0.32	0.75	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	21.7		0.16	0.50	5.00	ug/L
79-20-9	Methyl Acetate	24.7		0.60	0.75	5.00	ug/L
75-09-2	Methylene Chloride	19.9		0.32	0.50	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.2		0.25	0.50	5.00	ug/L
75-34-3	1,1-Dichloroethane	20.4		0.23	0.50	5.00	ug/L
110-82-7	Cyclohexane	17.2		1.60	3.80	5.00	ug/L
78-93-3	2-Butanone	110		1.30	2.50	25.0	ug/L
56-23-5	Carbon Tetrachloride	20.1		0.25	0.50	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.2		0.25	0.50	5.00	ug/L
74-97-5	Bromochloromethane	19.6		0.18	0.50	5.00	ug/L
67-66-3	Chloroform	20.6		0.26	0.50	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.5		0.19	0.75	5.00	ug/L
108-87-2	Methylcyclohexane	17.4		0.19	0.50	5.00	ug/L
71-43-2	Benzene	20.2		0.16	0.50	5.00	ug/L
107-06-2	1,2-Dichloroethane	21.1		0.24	0.75	5.00	ug/L
79-01-6	Trichloroethene	19.3		0.32	0.75	5.00	ug/L
78-87-5	1,2-Dichloropropane	20.8		0.19	0.50	5.00	ug/L
75-27-4	Bromodichloromethane	22.1		0.24	0.50	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	120		0.75	2.50	25.0	ug/L
108-88-3	Toluene	20.6		0.18	0.50	5.00	ug/L

Raw Data: **VN085580.D**

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

Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	VN0130WBSD01	SDG No.:	Q1211
Lab Sample ID:	VN0130WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085580.D	1		01/30/25 15:30	VN013025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	21.4		0.21	0.50	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	21.1		0.18	0.50	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	22.8		0.21	0.50	5.00	ug/L
591-78-6	2-Hexanone	120		1.10	2.50	25.0	ug/L
124-48-1	Dibromochloromethane	21.6		0.18	0.50	5.00	ug/L
106-93-4	1,2-Dibromoethane	21.4		0.16	0.50	5.00	ug/L
127-18-4	Tetrachloroethene	20.0		0.25	0.50	5.00	ug/L
108-90-7	Chlorobenzene	20.0		0.13	0.50	5.00	ug/L
100-41-4	Ethyl Benzene	19.5		0.16	0.50	5.00	ug/L
179601-23-1	m/p-Xylenes	40.5		0.31	1.00	10.0	ug/L
95-47-6	o-Xylene	20.3		0.14	0.50	5.00	ug/L
100-42-5	Styrene	21.0		0.16	0.50	5.00	ug/L
75-25-2	Bromoform	22.6		0.21	0.50	5.00	ug/L
98-82-8	Isopropylbenzene	20.1		0.13	0.50	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.5		0.27	0.50	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.2		0.24	0.50	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.8		0.27	0.50	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.5		0.19	0.50	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	22.2		0.46	2.00	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.7		0.42	0.50	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.1		0.51	0.50	5.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	56.4		81 - 118		113%	SPK: 50
1868-53-7	Dibromofluoromethane	55.3		80 - 119		111%	SPK: 50
2037-26-5	Toluene-d8	54.7		89 - 112		109%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.8		85 - 114		112%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	174000	8.224				
540-36-3	1,4-Difluorobenzene	297000	9.1				
3114-55-4	Chlorobenzene-d5	264000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	127000	13.788				

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

Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	VN0130WBSD01	SDG No.:	Q1211
Lab Sample ID:	VN0130WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085580.D	1		01/30/25 15:30	VN013025

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: **VN085580.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013025\
Data File : VN085580.D
Acq On : 30 Jan 2025 15:30
Operator : JC\MD
Sample : VN0130WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 31 02:35:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.224	168	173523	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.100	114	296538	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	264359	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	127057	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.577	65	157914	56.377	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.760%				
35) Dibromofluoromethane	8.159	113	113713	55.274	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.540%				
50) Toluene-d8	10.565	98	400141	54.744	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.480%				
62) 4-Bromofluorobenzene	12.847	95	139539	55.808	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 111.620%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	39321	16.736	ug/l		97
3) Chloromethane	2.359	50	42484	16.701	ug/l		95
4) Vinyl Chloride	2.512	62	44487	17.399	ug/l		96
5) Bromomethane	2.959	94	28856	18.683	ug/l		94
6) Chloroethane	3.118	64	31148	19.215	ug/l		97
7) Trichlorofluoromethane	3.501	101	69560	18.749	ug/l		96
8) Diethyl Ether	3.959	74	24247	18.918	ug/l		100
9) 1,1,2-Trichlorotrifluo...	4.365	101	40780	19.516	ug/l		99
10) Methyl Iodide	4.595	142	46599	19.473	ug/l		96
11) Tert butyl alcohol	5.506	59	38972	121.508	ug/l		99
12) 1,1-Dichloroethene	4.348	96	35776	19.211	ug/l		90
13) Acrolein	4.177	56	32915	75.177	ug/l		100
14) Allyl chloride	5.018	41	55225	18.275	ug/l		97
15) Acrylonitrile	5.718	53	114072	111.972	ug/l		99
16) Acetone	4.424	43	99871	110.351	ug/l		100
17) Carbon Disulfide	4.712	76	89057	15.531	ug/l		98
18) Methyl Acetate	5.018	43	67913	24.677	ug/l		99
19) Methyl tert-butyl Ether	5.794	73	131096	21.679	ug/l		99
20) Methylene Chloride	5.271	84	44495	19.860	ug/l		94
21) trans-1,2-Dichloroethene	5.789	96	38120	19.153	ug/l		91
22) Diisopropyl ether	6.671	45	143641	21.415	ug/l		98
23) Vinyl Acetate	6.600	43	566145	120.610	ug/l		100
24) 1,1-Dichloroethane	6.565	63	83265	20.359	ug/l		99
25) 2-Butanone	7.477	43	150976	113.359	ug/l		98
26) 2,2-Dichloropropane	7.483	77	68478	20.709	ug/l		99
27) cis-1,2-Dichloroethene	7.483	96	47260	20.161	ug/l		98
28) Bromochloromethane	7.812	49	37352	19.630	ug/l		99
29) Tetrahydrofuran	7.836	42	99632	117.993	ug/l		98
30) Chloroform	7.959	83	87072	20.599	ug/l		94
31) Cyclohexane	8.253	56	61148	17.202	ug/l	#	96
32) 1,1,1-Trichloroethane	8.165	97	76055	20.512	ug/l		97
36) 1,1-Dichloropropene	8.365	75	53855	18.652	ug/l		99
37) Ethyl Acetate	7.553	43	63409	21.758	ug/l	#	96
38) Carbon Tetrachloride	8.359	117	66280	20.052	ug/l		96
39) Methylcyclohexane	9.600	83	47238	17.410	ug/l		99
40) Benzene	8.606	78	174813	20.150	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013025\
Data File : VN085580.D
Acq On : 30 Jan 2025 15:30
Operator : JC\MD
Sample : VN0130WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 31 02:35:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	35027	23.102	ug/l		97
42) 1,2-Dichloroethane	8.671	62	68985	21.113	ug/l		98
43) Isopropyl Acetate	8.688	43	108594	23.255	ug/l		97
44) Trichloroethene	9.347	130	38946	19.286	ug/l		91
45) 1,2-Dichloropropane	9.618	63	46091	20.800	ug/l		94
46) Dibromomethane	9.706	93	33510	20.958	ug/l		98
47) Bromodichloromethane	9.888	83	72012	22.106	ug/l		96
48) Methyl methacrylate	9.677	41	46494	22.124	ug/l		99
49) 1,4-Dioxane	9.688	88	15352	433.809	ug/l		95
51) 4-Methyl-2-Pentanone	10.441	43	323337	119.322	ug/l		100
52) Toluene	10.629	92	103743	20.638	ug/l		98
53) t-1,3-Dichloropropene	10.835	75	66003	21.440	ug/l		98
54) cis-1,3-Dichloropropene	10.312	75	69505	21.137	ug/l		96
55) 1,1,2-Trichloroethane	11.012	97	45444	22.844	ug/l		96
56) Ethyl methacrylate	10.871	69	61221	19.495	ug/l		97
57) 1,3-Dichloropropane	11.159	76	74902	21.654	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	110159	87.261	ug/l		98
59) 2-Hexanone	11.194	43	230732	121.012	ug/l		98
60) Dibromochloromethane	11.353	129	51845	21.587	ug/l		98
61) 1,2-Dibromoethane	11.471	107	42461	21.443	ug/l		97
64) Tetrachloroethene	11.100	164	36009	19.980	ug/l		94
65) Chlorobenzene	11.888	112	115976	20.026	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	45034	21.188	ug/l		98
67) Ethyl Benzene	11.959	91	183947	19.502	ug/l		99
68) m/p-Xylenes	12.071	106	141137	40.486	ug/l		99
69) o-Xylene	12.400	106	67663	20.310	ug/l		99
70) Styrene	12.412	104	115973	21.034	ug/l		99
71) Bromoform	12.576	173	34442	22.647	ug/l	#	99
73) Isopropylbenzene	12.694	105	172265	20.089	ug/l		100
74) N-amyl acetate	12.494	43	82716	21.460	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	64983	21.453	ug/l		98
76) 1,2,3-Trichloropropane	12.988	75	54416m	21.071	ug/l		
77) Bromobenzene	12.976	156	45050	20.108	ug/l		97
78) n-propylbenzene	13.035	91	206197	20.312	ug/l		100
79) 2-Chlorotoluene	13.123	91	133194	20.273	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	149427	21.096	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	20674	21.660	ug/l		91
82) 4-Chlorotoluene	13.218	91	133935	20.474	ug/l		98
83) tert-Butylbenzene	13.435	119	117259	19.713	ug/l		96
84) 1,2,4-Trimethylbenzene	13.482	105	149125	21.123	ug/l		98
85) sec-Butylbenzene	13.612	105	169659	20.579	ug/l		100
86) p-Isopropyltoluene	13.729	119	138811	20.191	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	83358	20.203	ug/l		99
88) 1,4-Dichlorobenzene	13.806	146	84626	19.788	ug/l		100
89) n-Butylbenzene	14.053	91	112956	19.098	ug/l		98
90) Hexachloroethane	14.329	117	31283	19.933	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	80178	19.482	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.717	75	12302	22.240	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	35788	18.710	ug/l		94
94) Hexachlorobutadiene	15.494	225	18731	18.445	ug/l		95
95) Naphthalene	15.635	128	105464	18.477	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	36995	19.114	ug/l		100

Sample Results: **VN085580.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013025\
Data File : VN085580.D
Acq On : 30 Jan 2025 15:30
Operator : JC\MD
Sample : VN0130WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 31 02:35:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

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

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

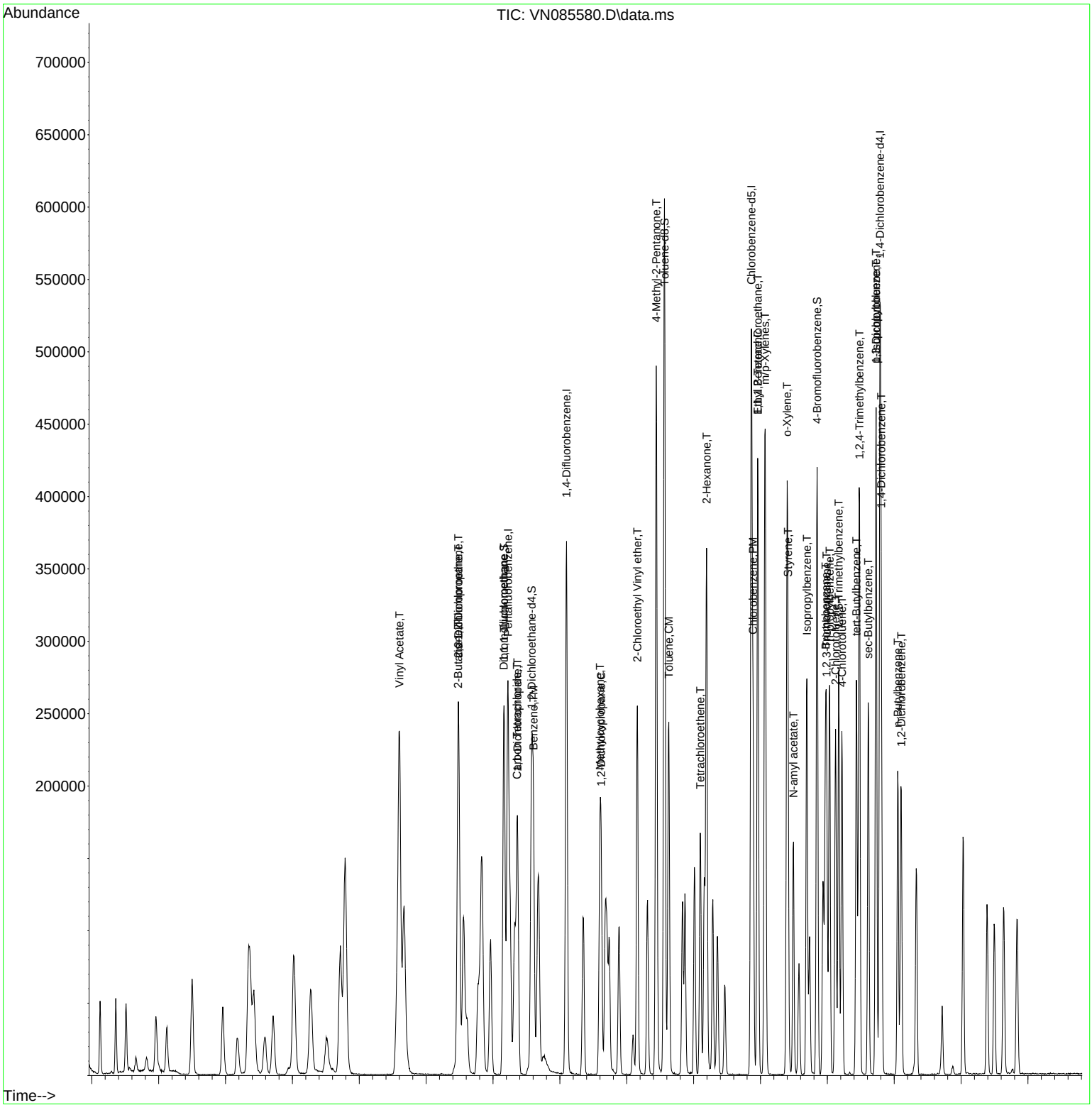
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Data File : VN085580.D
Acq On : 30 Jan 2025 15:30
Operator : JC\MD
Sample : VN0130WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

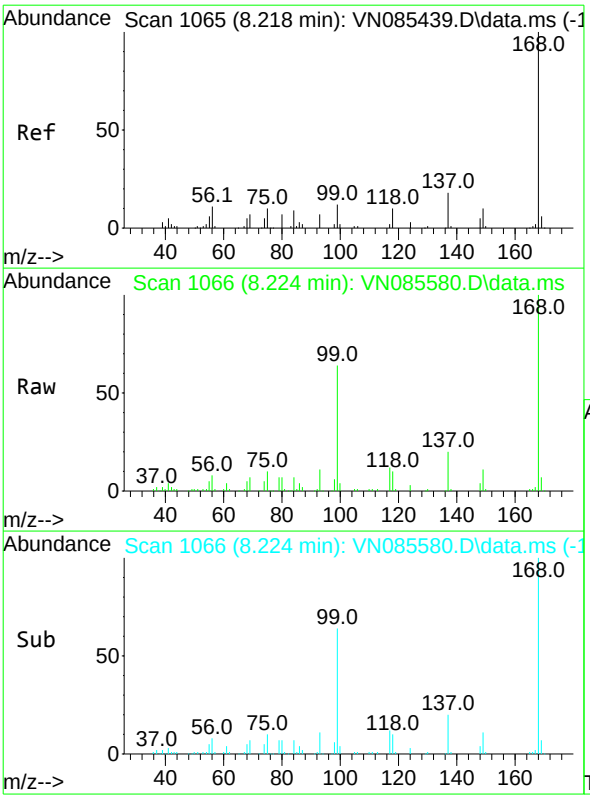
Quant Time: Jan 31 02:35:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

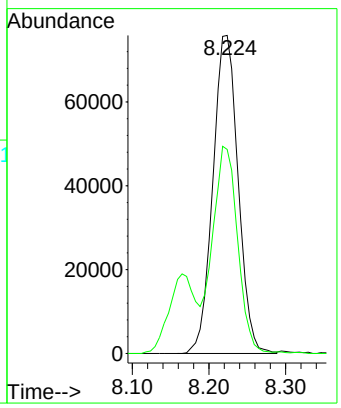




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion:168 Resp: 173523

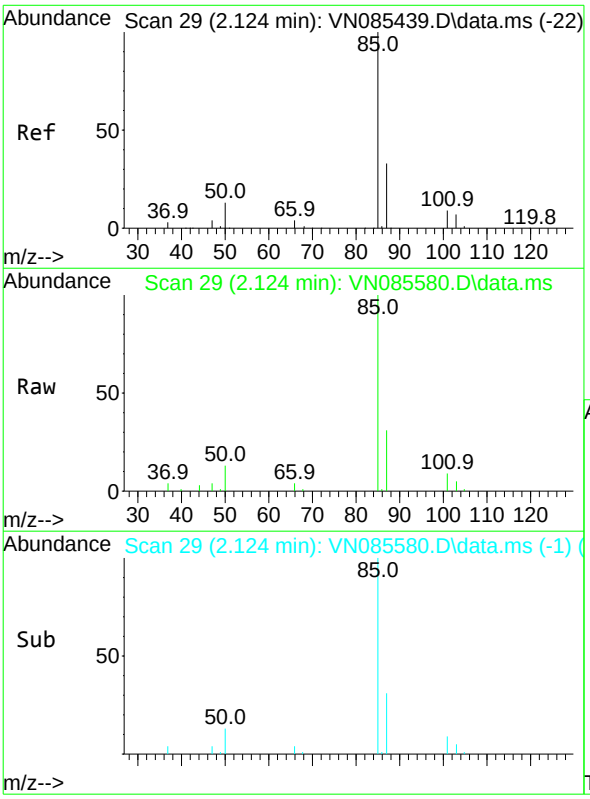
Ion	Ratio	Lower	Upper
168	100		
99	63.6	53.6	80.4



Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

Manual Integrations
APPROVED

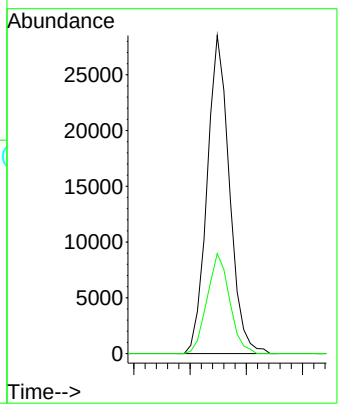
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

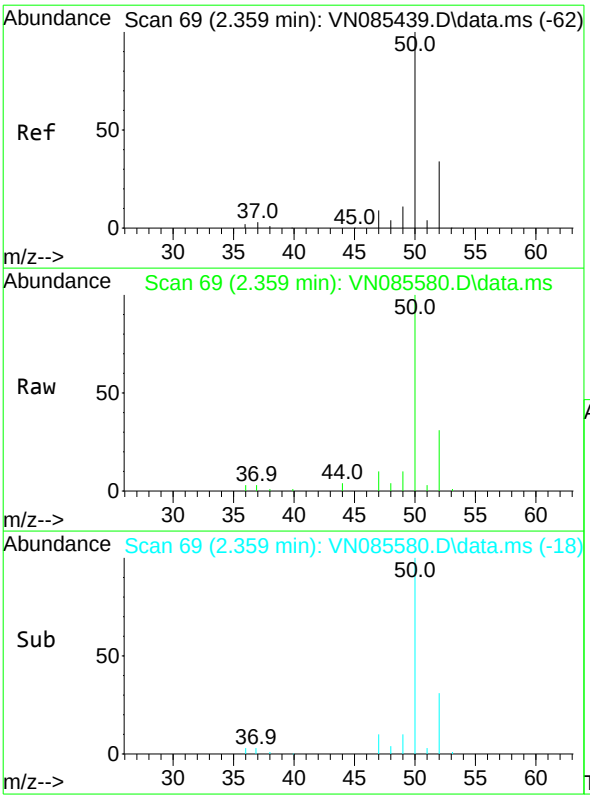


#2
Dichlorodifluoromethane
Concen: 16.736 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion: 85 Resp: 39321

Ion	Ratio	Lower	Upper
85	100		
87	31.4	16.7	50.1

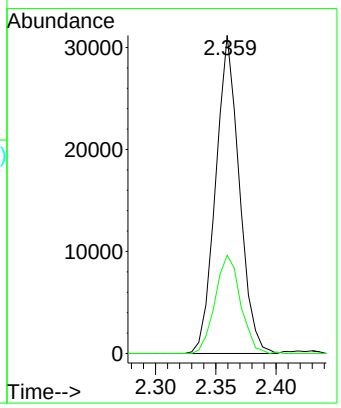




#3
Chloromethane
Concen: 16.701 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion: 50 Resp: 42484

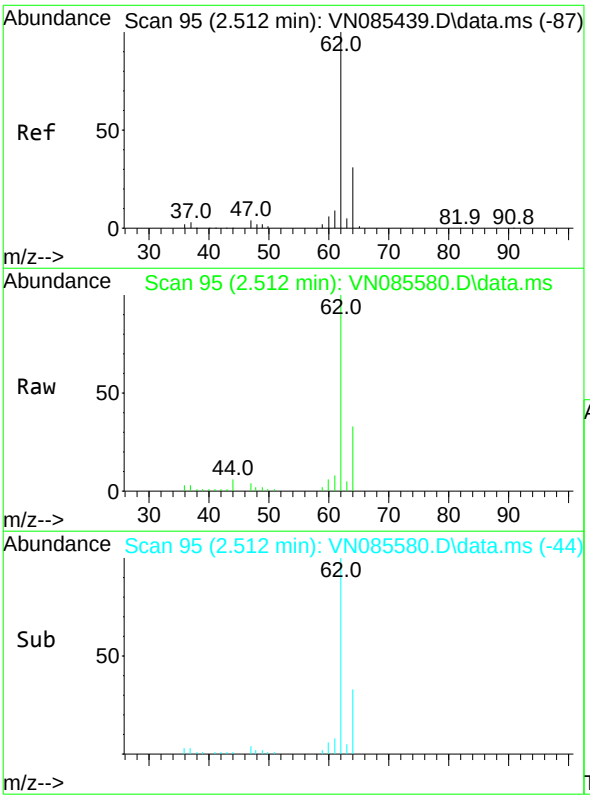
Ion	Ratio	Lower	Upper
50	100		
52	30.9	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

Manual Integrations
APPROVED

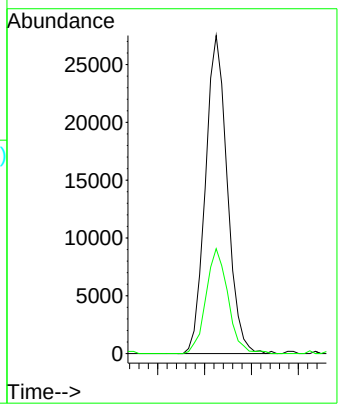
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

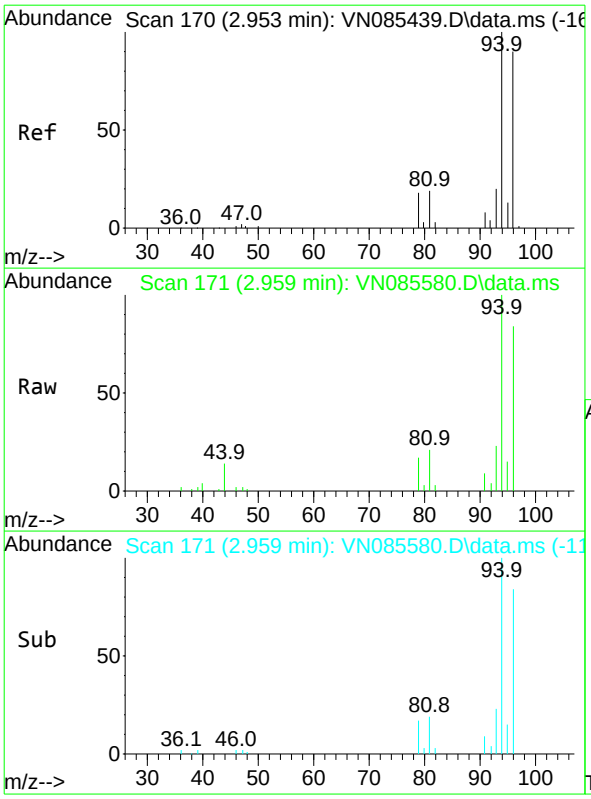


#4
Vinyl Chloride
Concen: 17.399 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion: 62 Resp: 44487

Ion	Ratio	Lower	Upper
62	100		
64	33.0	24.8	37.2

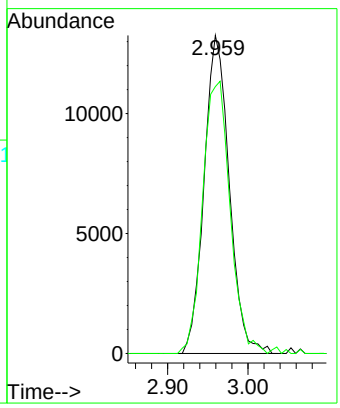




#5
Bromomethane
Concen: 18.683 ug/l
RT: 2.959 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion: 94 Resp: 28856

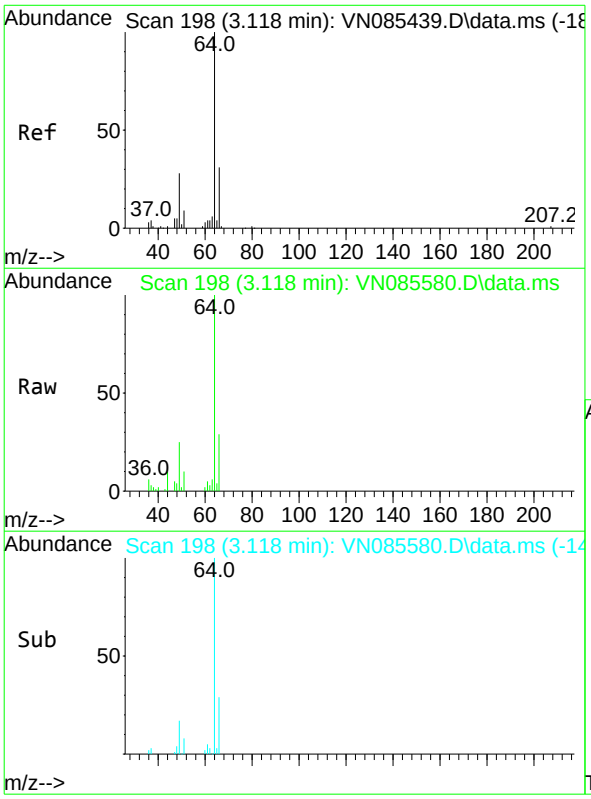
Ion	Ratio	Lower	Upper
94	100		
96	83.9	71.8	107.6



Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

Manual Integrations
APPROVED

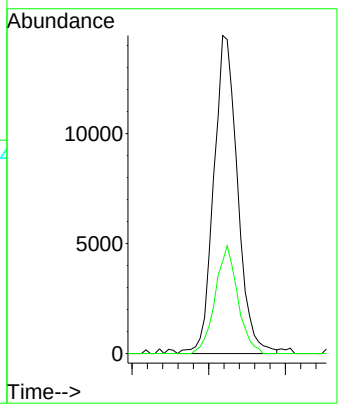
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

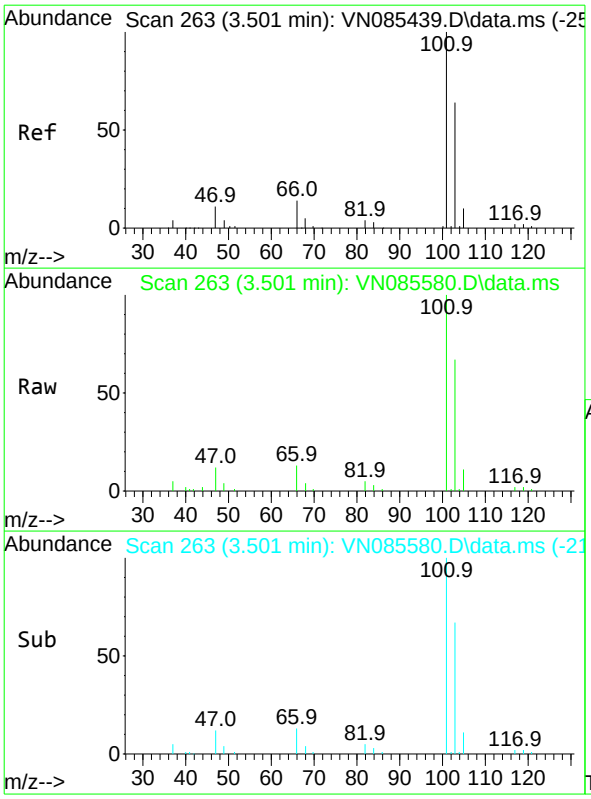


#6
Chloroethane
Concen: 19.215 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion: 64 Resp: 31148

Ion	Ratio	Lower	Upper
64	100		
66	29.0	24.6	36.8

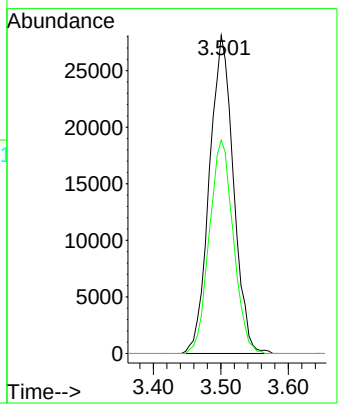




#7
Trichlorofluoromethane
Concen: 18.749 ug/l
RT: 3.501 min Scan# 26
Delta R.T. 0.000 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion:101 Resp: 69560

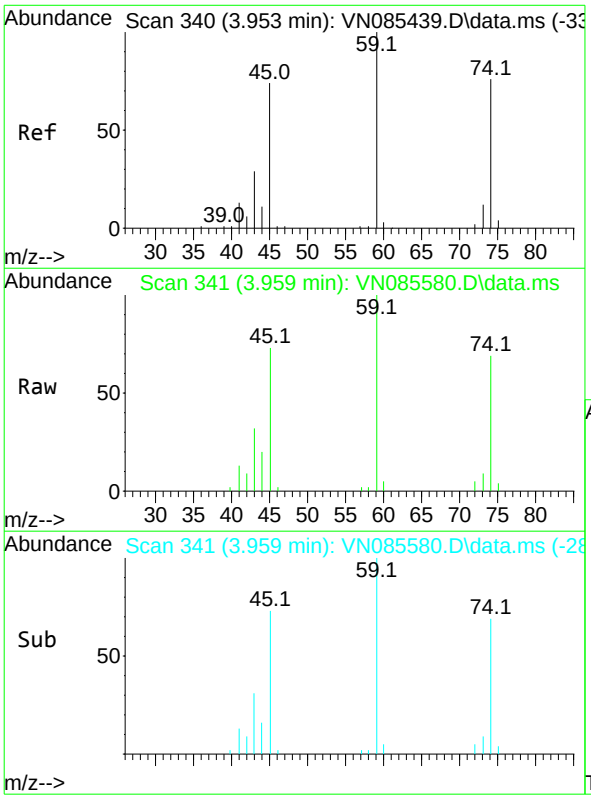
Ion	Ratio	Lower	Upper
101	100		
103	67.1	51.4	77.2



Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

Manual Integrations
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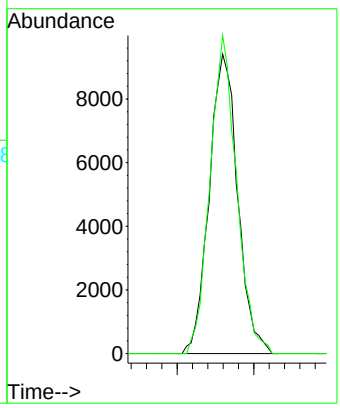
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

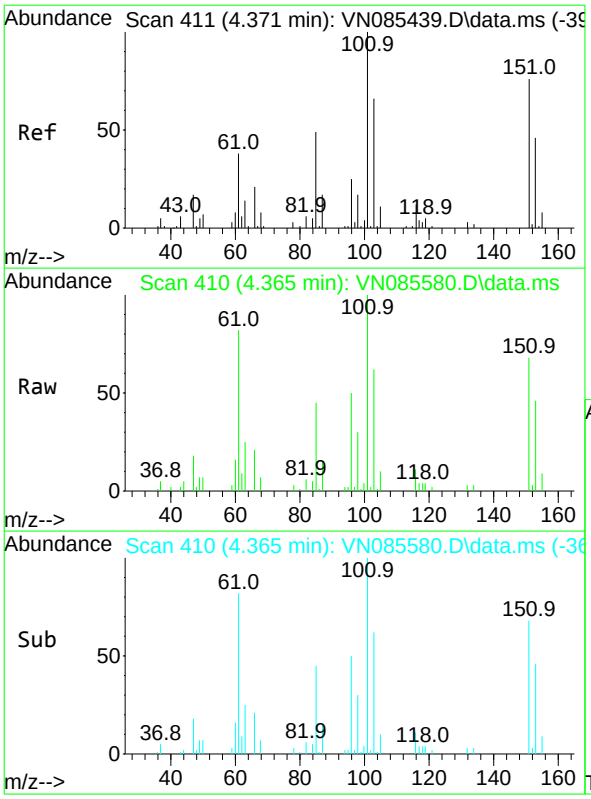


#8
Diethyl Ether
Concen: 18.918 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.006 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion: 74 Resp: 24247

Ion	Ratio	Lower	Upper
74	100		
45	99.6	49.7	149.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.516 ug/l
RT: 4.365 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

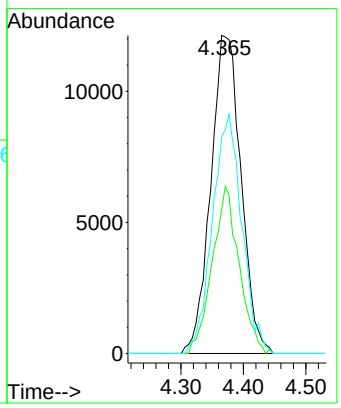
Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

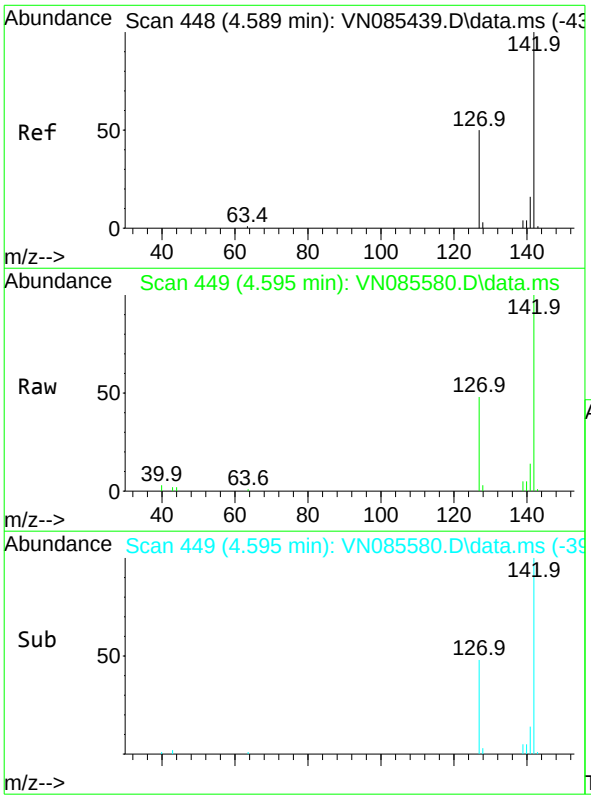
Tgt Ion:101 Resp: 40780

Ion	Ratio	Lower	Upper
101	100		
85	46.7	37.8	56.8
151	73.1	58.8	88.2

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Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

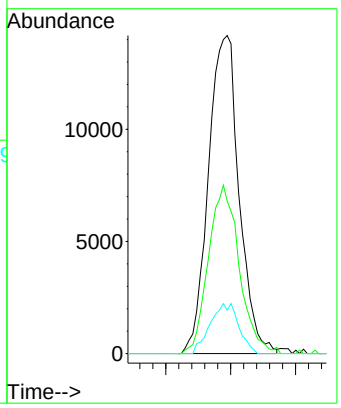


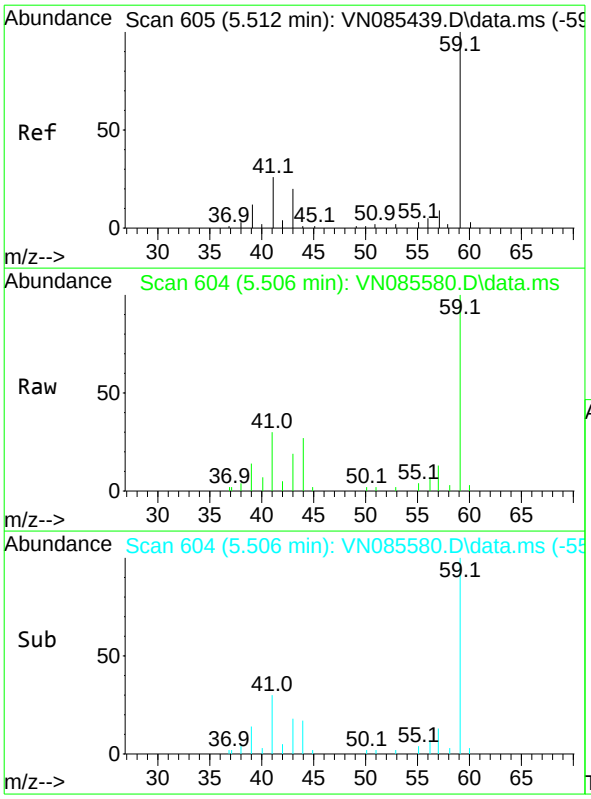


#10
Methyl Iodide
Concen: 19.473 ug/l
RT: 4.595 min Scan# 449
Delta R.T. 0.006 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion:142 Resp: 46599

Ion	Ratio	Lower	Upper
142	100		
127	48.0	40.3	60.5
141	13.7	12.8	19.2

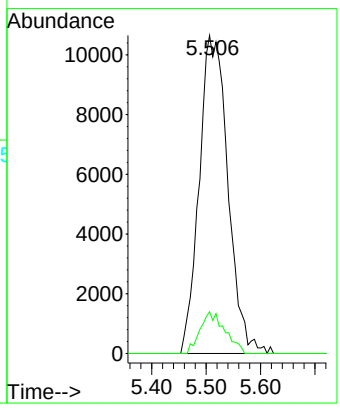




#11
Tert butyl alcohol
Concen: 121.508 ug/l
RT: 5.506 min Scan# 60
Delta R.T. -0.006 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion: 59 Resp: 38972

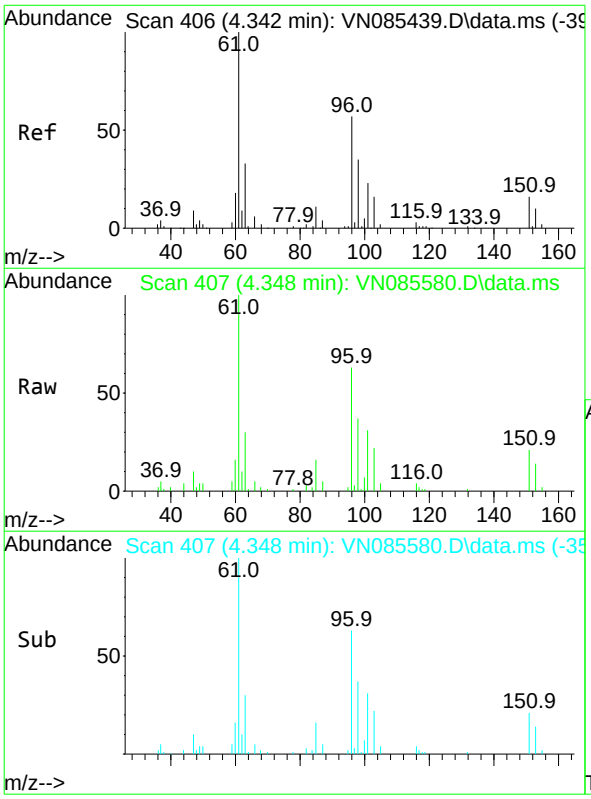
Ion	Ratio	Lower	Upper
59	100		
57	11.3	8.6	13.0



Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

Manual Integrations
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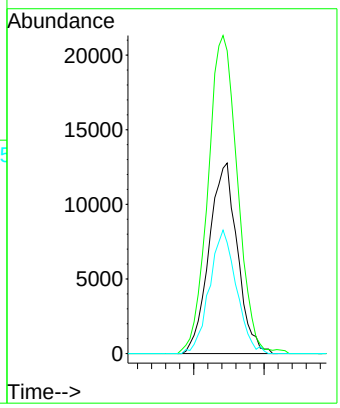
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

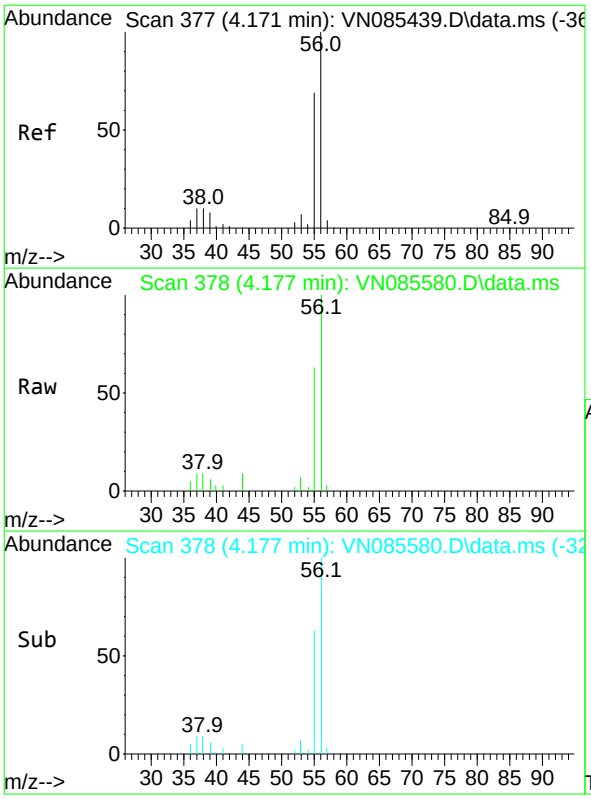


#12
1,1-Dichloroethene
Concen: 19.211 ug/l
RT: 4.348 min Scan# 407
Delta R.T. 0.006 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion: 96 Resp: 35776

Ion	Ratio	Lower	Upper
96	100		
61	158.9	141.0	211.4
98	58.2	49.0	73.6

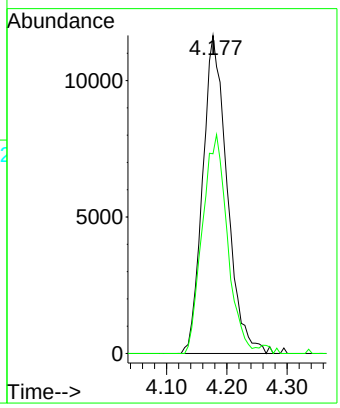




#13
Acrolein
Concen: 75.177 ug/l
RT: 4.177 min Scan# 37
Delta R.T. 0.006 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion: 56 Resp: 32915

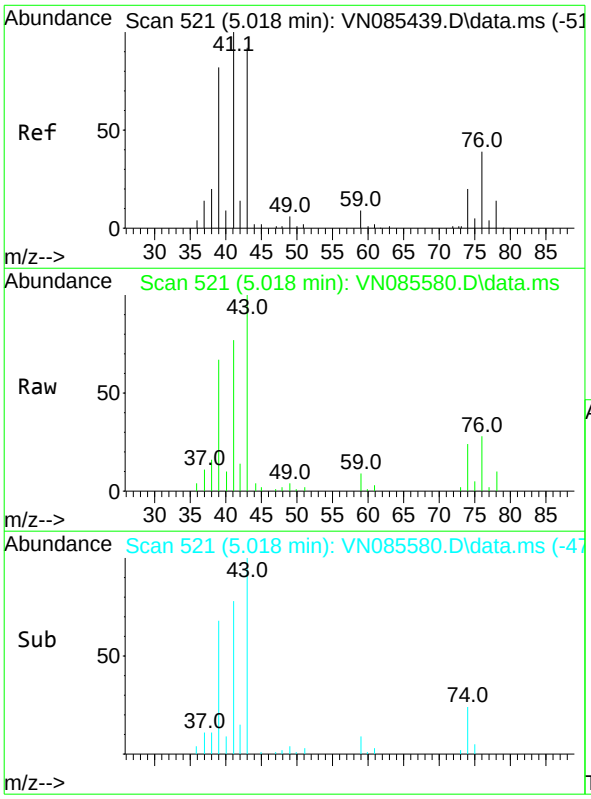
Ion	Ratio	Lower	Upper
56	100		
55	70.4	56.3	84.5



Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

Manual Integrations
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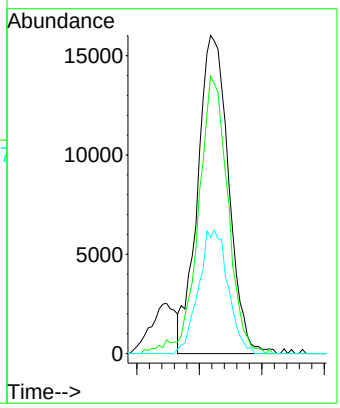
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

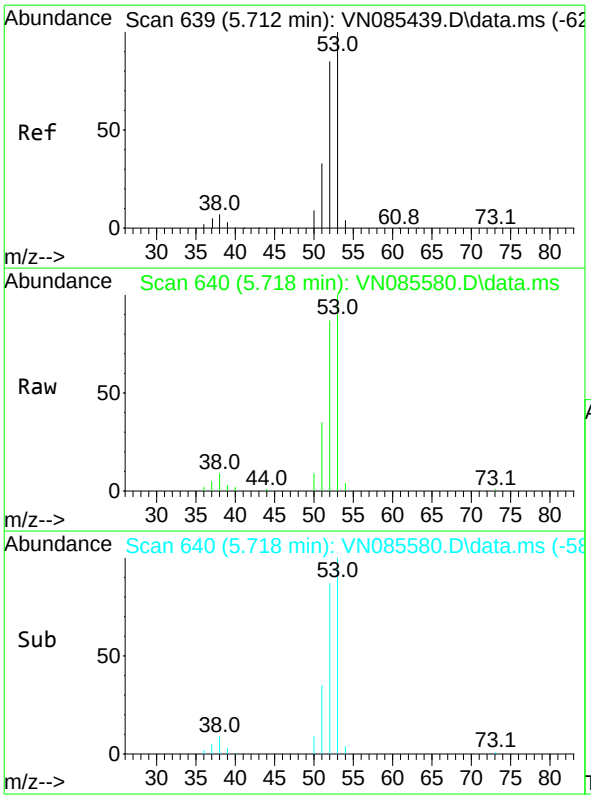


#14
Allyl chloride
Concen: 18.275 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion: 41 Resp: 55225

Ion	Ratio	Lower	Upper
41	100		
39	83.1	64.4	96.6
76	36.9	30.5	45.7





#15
Acrylonitrile
Concen: 111.972 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.006 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

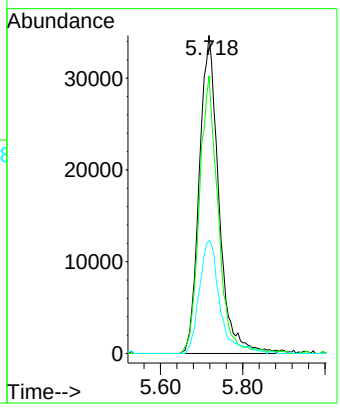
Tgt Ion: 53 Resp: 114072

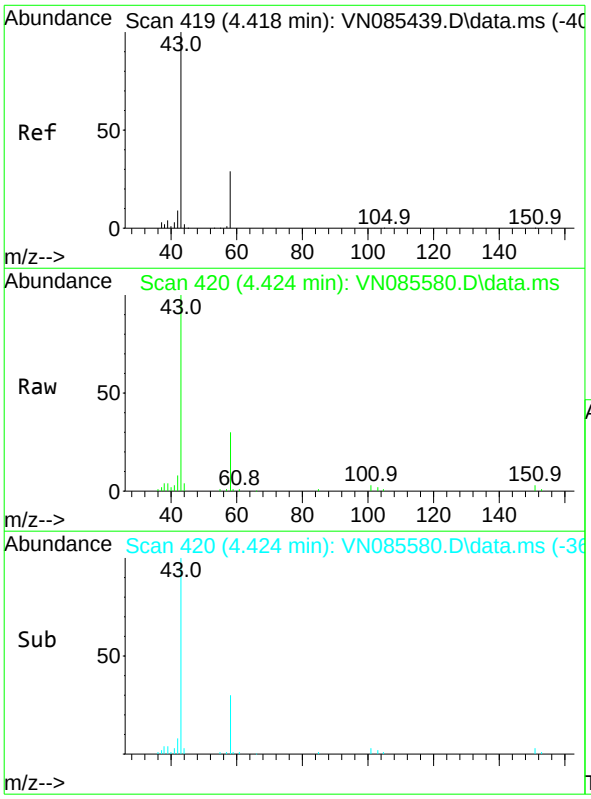
Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.5	98.3
51	37.3	29.8	44.8

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

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Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

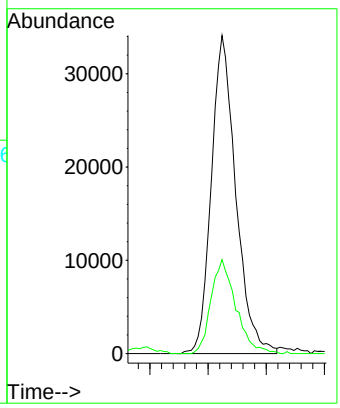


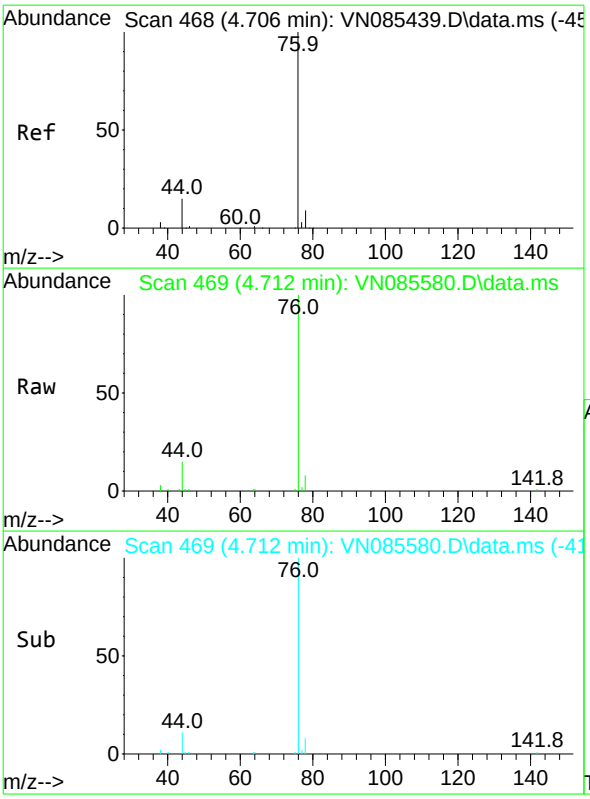


#16
Acetone
Concen: 110.351 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion: 43 Resp: 99871

Ion	Ratio	Lower	Upper
43	100		
58	29.6	23.8	35.6





#17
Carbon Disulfide
Concen: 15.531 ug/l
RT: 4.712 min Scan# 46
Delta R.T. 0.006 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

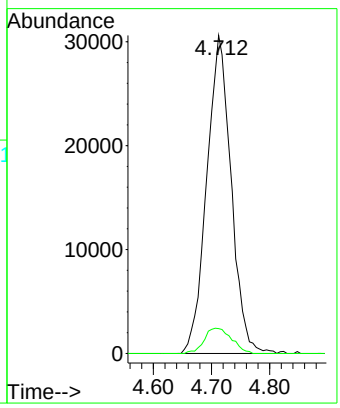
Tgt Ion: 76 Resp: 89057

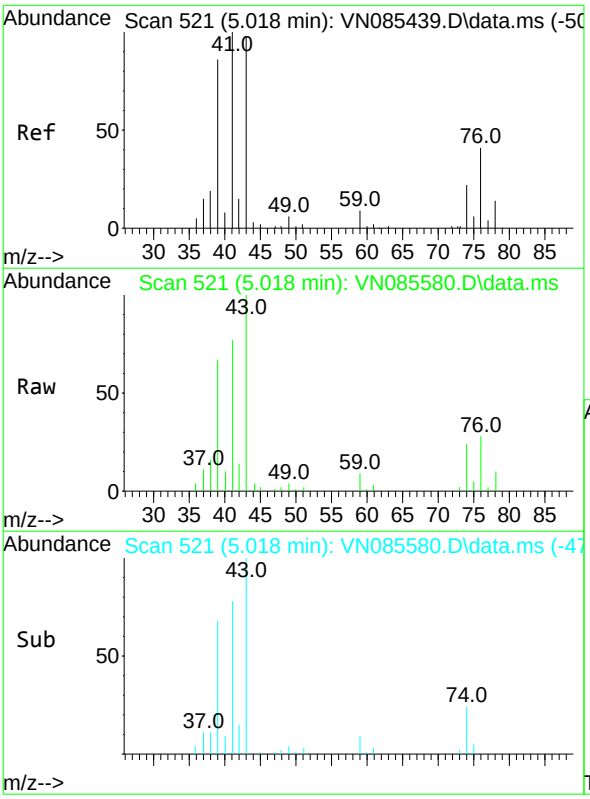
Ion	Ratio	Lower	Upper
76	100		
78	7.8	6.9	10.3

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

Manual Integrations
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Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

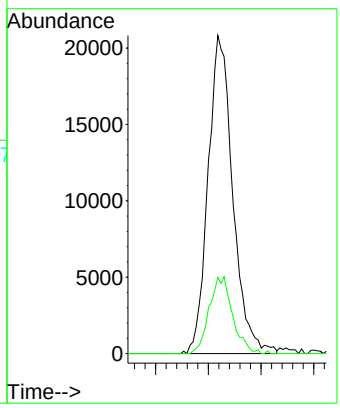


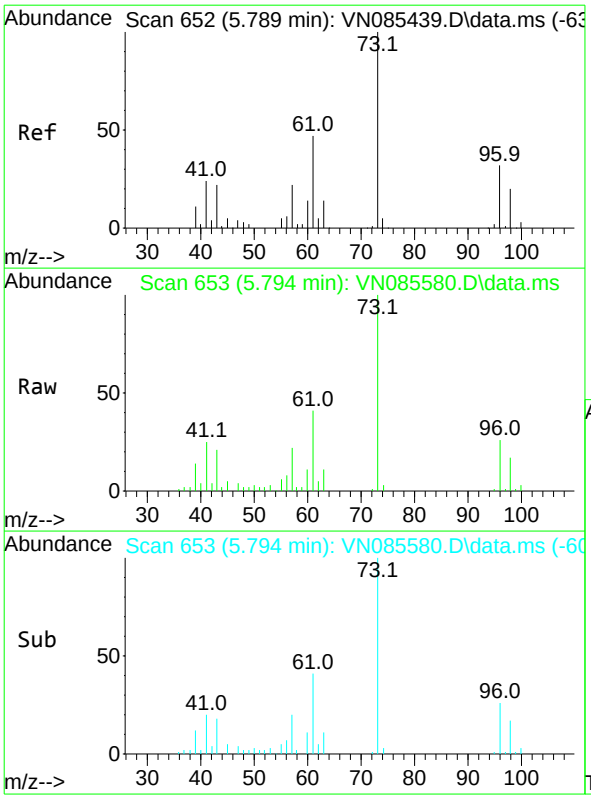


#18
Methyl Acetate
Concen: 24.677 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion: 43 Resp: 67913

Ion	Ratio	Lower	Upper
43	100		
74	22.8	18.6	28.0

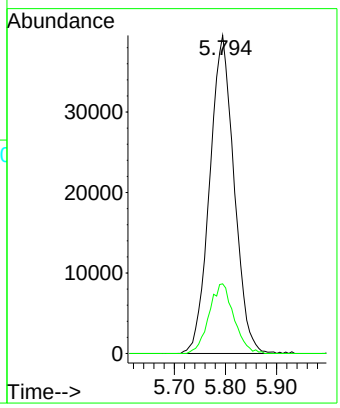




#19
Methyl tert-butyl Ether
Concen: 21.679 ug/l
RT: 5.794 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion: 73 Resp: 131096

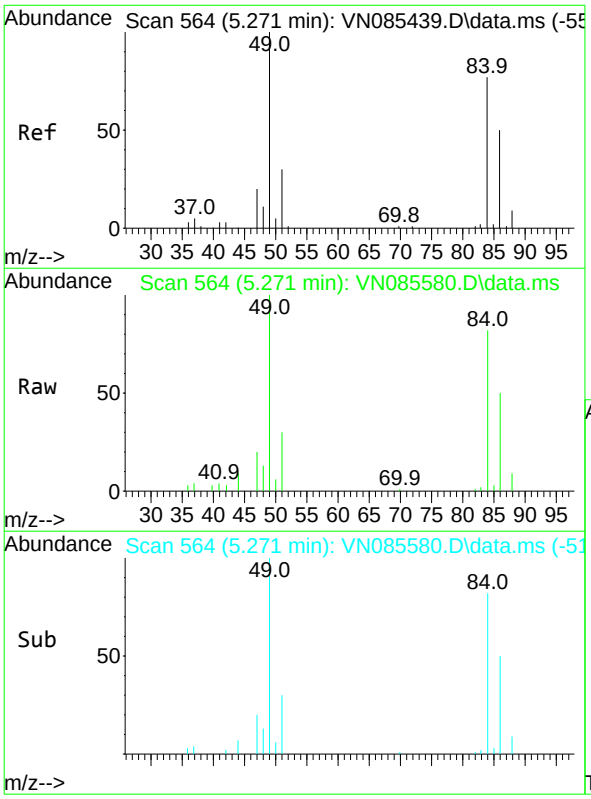
Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.8	26.8



Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

Manual Integrations
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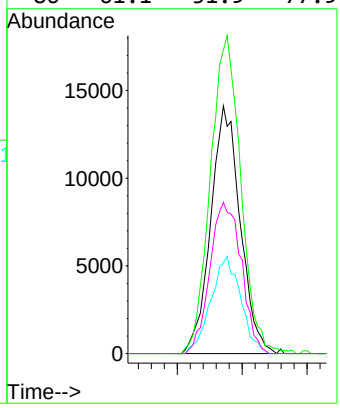
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

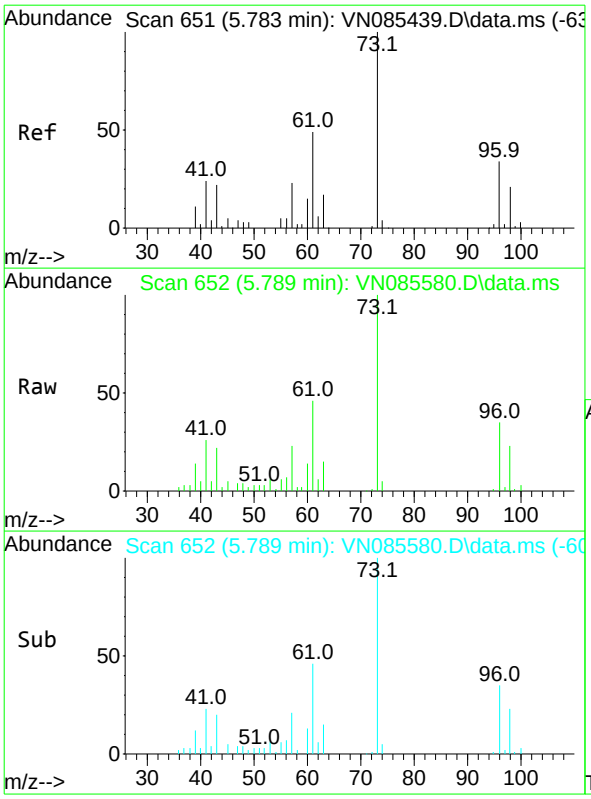


#20
Methylene Chloride
Concen: 19.860 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.000 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion: 84 Resp: 44495

Ion	Ratio	Lower	Upper
84	100		
49	122.5	104.1	156.1
51	36.7	31.0	46.4
86	61.1	51.9	77.9

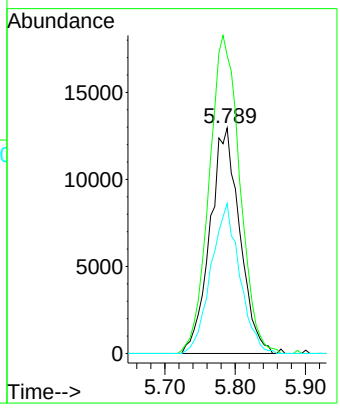




#21
trans-1,2-Dichloroethene
Concen: 19.153 ug/l
RT: 5.789 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion: 96 Resp: 38120

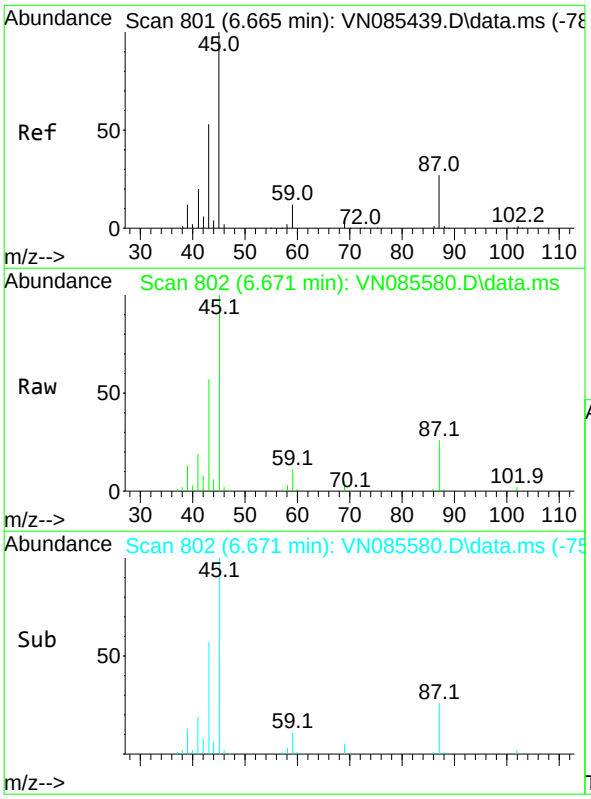
Ion	Ratio	Lower	Upper
96	100		
61	132.1	115.7	173.5
98	66.4	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

Manual Integrations
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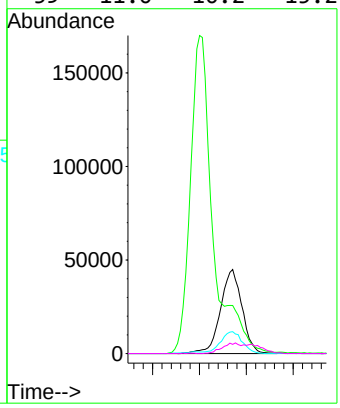
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

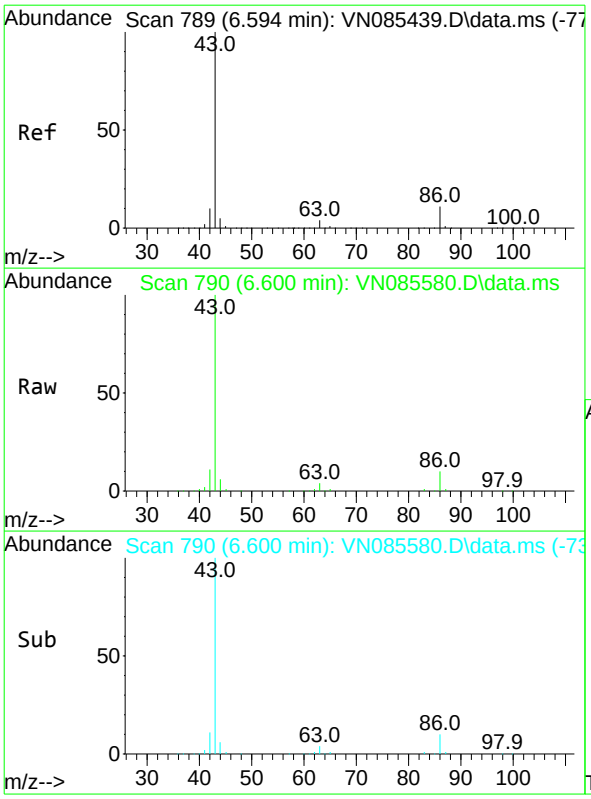


#22
Diisopropyl ether
Concen: 21.415 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.006 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion: 45 Resp: 143641

Ion	Ratio	Lower	Upper
45	100		
43	55.7	45.0	67.6
87	26.0	21.8	32.8
59	11.0	10.2	15.2

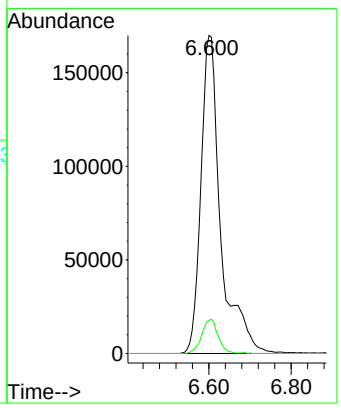




#23
Vinyl Acetate
Concen: 120.610 ug/l
RT: 6.600 min Scan# 79
Delta R.T. 0.006 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion: 43 Resp: 566145

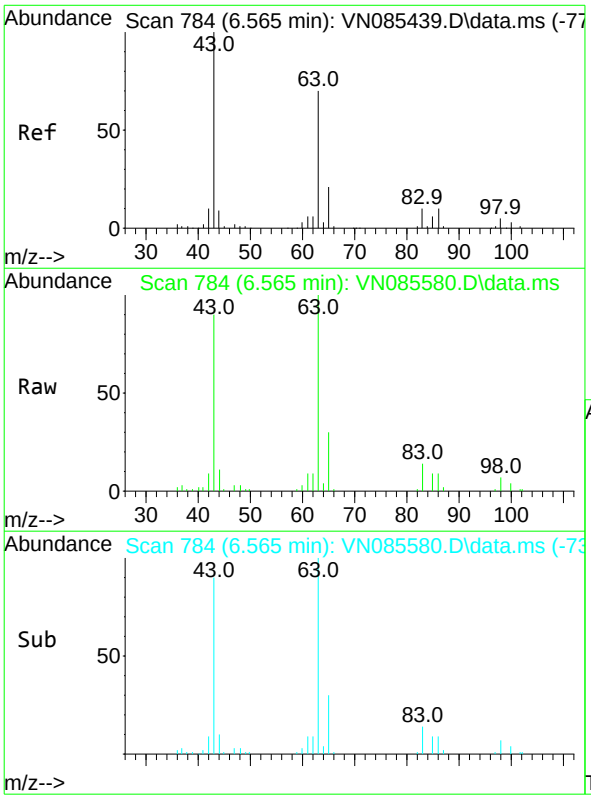
Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.4	12.6



Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

Manual Integrations
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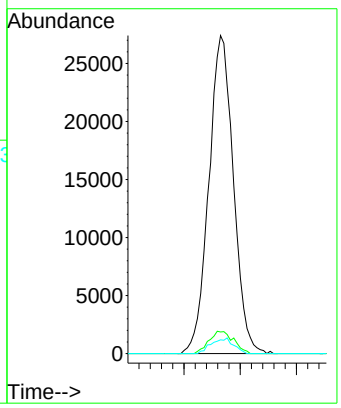
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

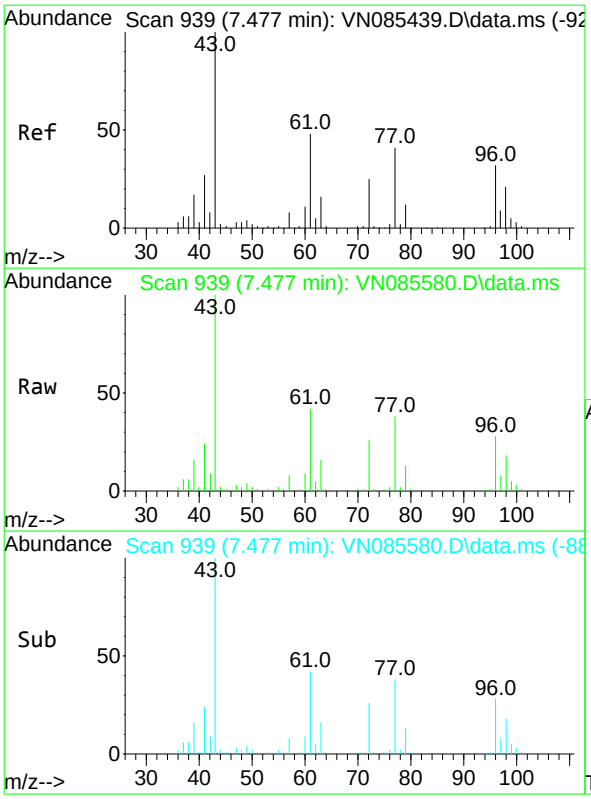


#24
1,1-Dichloroethane
Concen: 20.359 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.000 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion: 63 Resp: 83265

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.3	9.8
100	4.3	2.0	6.0





#25
2-Butanone
Concen: 113.359 ug/l
RT: 7.477 min Scan# 93
Delta R.T. 0.000 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

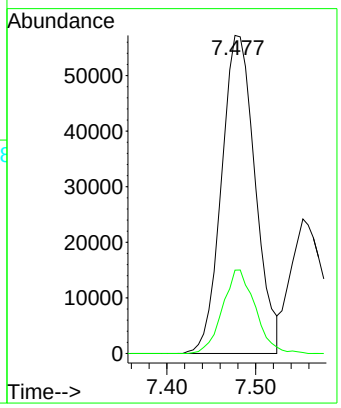
Tgt Ion: 43 Resp: 150976

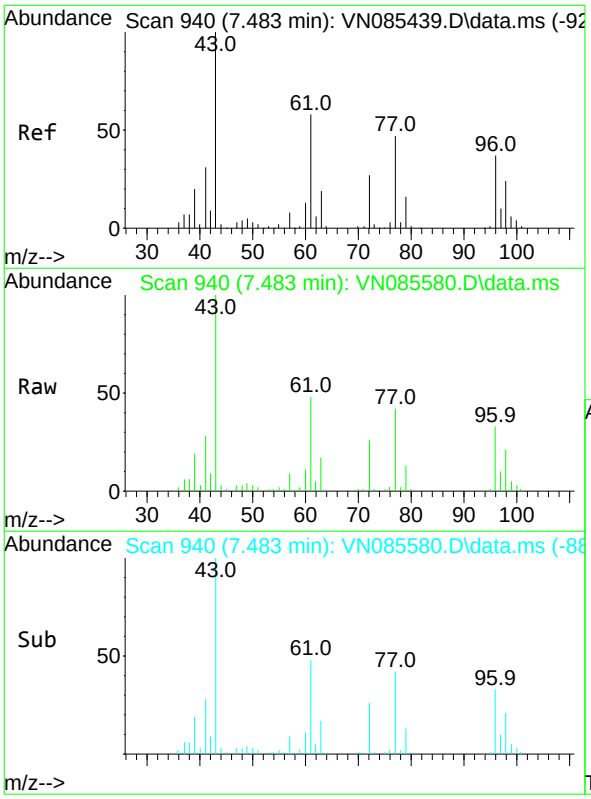
Ion	Ratio	Lower	Upper
43	100		
72	26.2	20.2	30.4

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

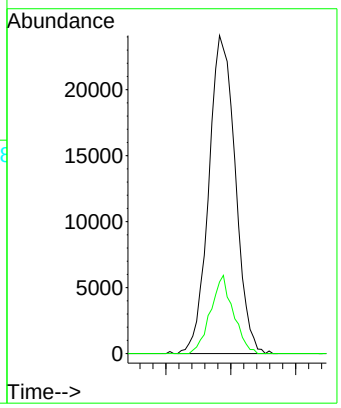


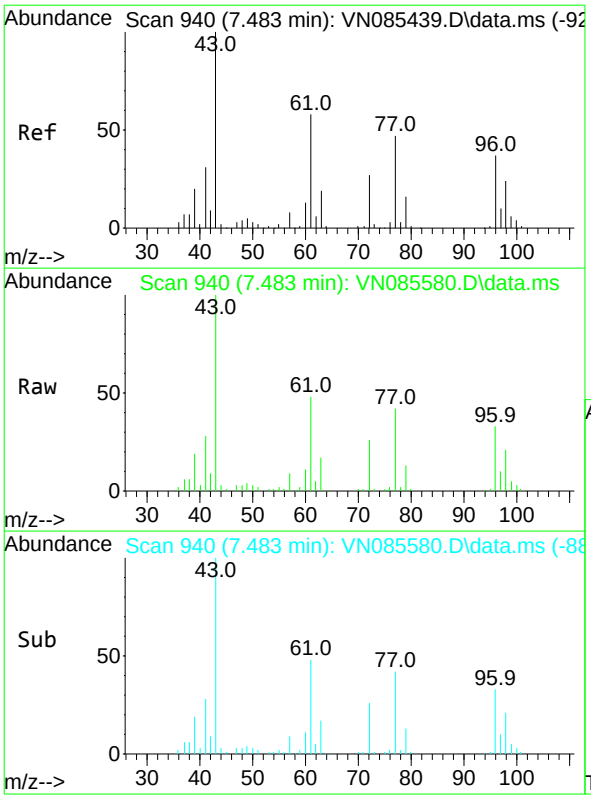


#26
2,2-Dichloropropane
Concen: 20.709 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion: 77 Resp: 68478

Ion	Ratio	Lower	Upper
77	100		
97	21.0	10.7	32.1





#27
cis-1,2-Dichloroethene
Concen: 20.161 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

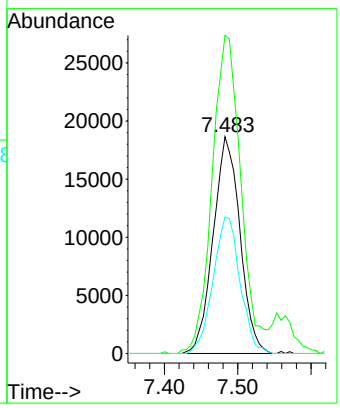
Tgt Ion: 96 Resp: 47260

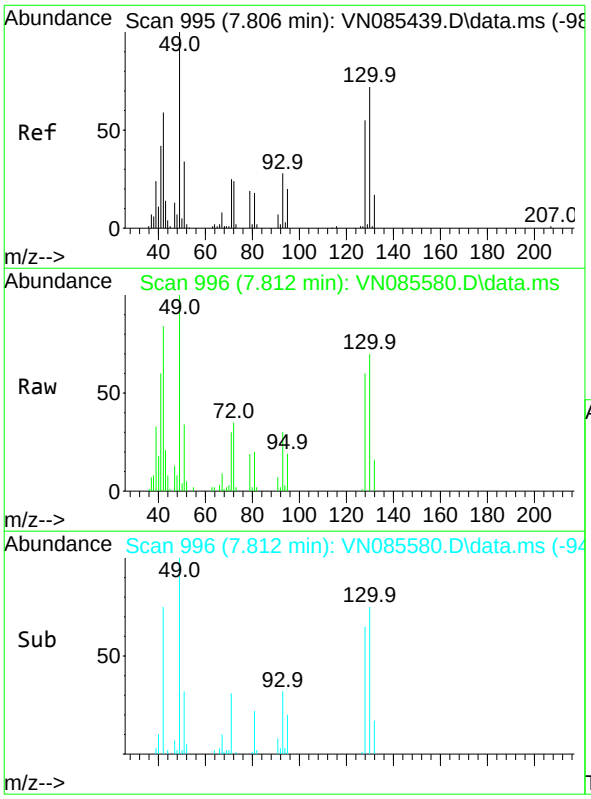
Ion	Ratio	Lower	Upper
96	100		
61	158.4	0.0	311.8
98	63.6	0.0	126.0

Instrument :
MSVOA_N
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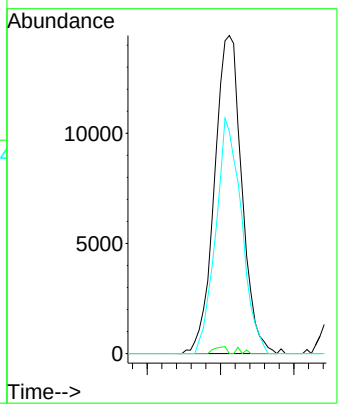


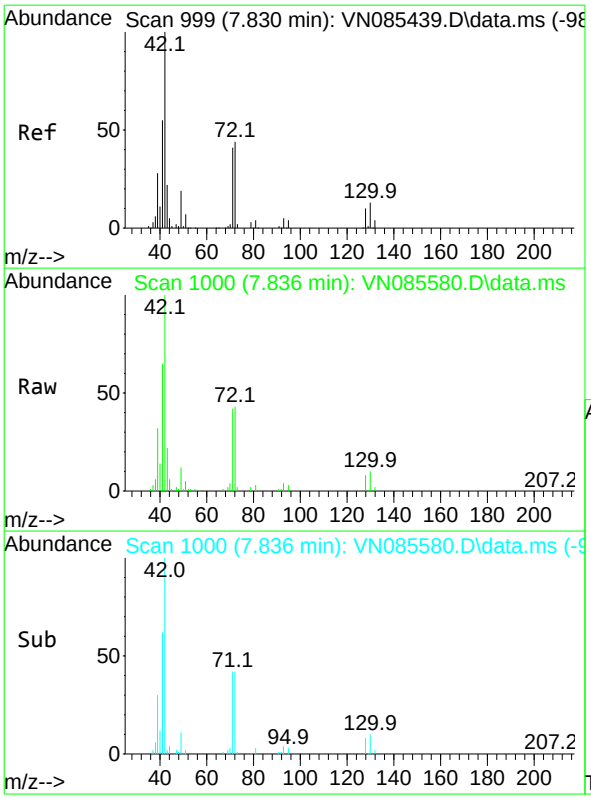


#28
Bromochloromethane
Concen: 19.630 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion: 49 Resp: 37352

Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	4.4
130	69.8	55.0	82.4





#29
Tetrahydrofuran
Concen: 117.993 ug/l
RT: 7.836 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

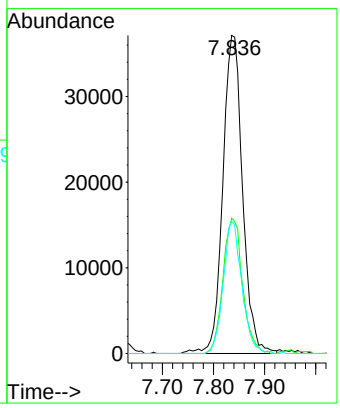
Tgt Ion: 42 Resp: 99632

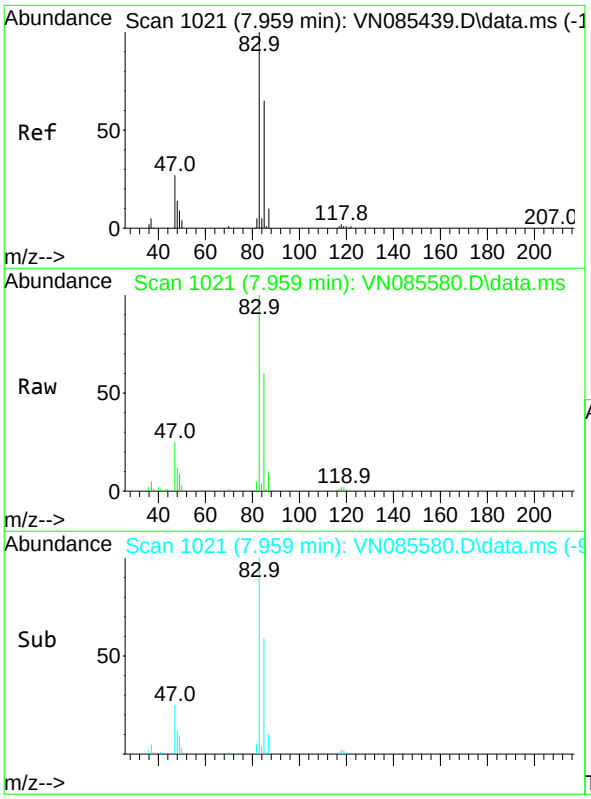
Ion	Ratio	Lower	Upper
42	100		
72	42.1	34.2	51.2
71	39.1	32.5	48.7

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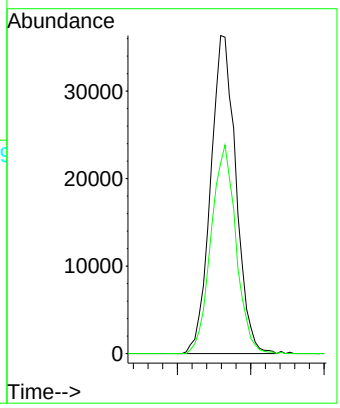


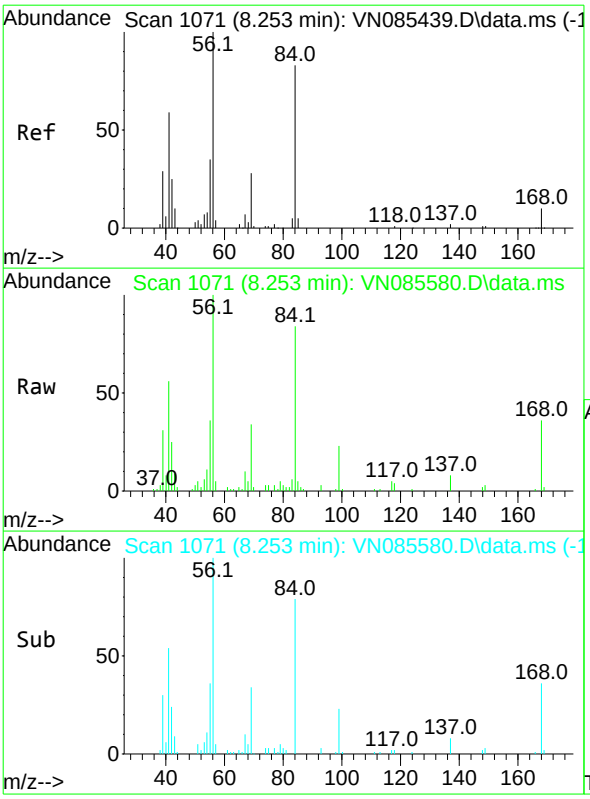


#30
Chloroform
Concen: 20.599 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. 0.000 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion: 83 Resp: 87072

Ion	Ratio	Lower	Upper
83	100		
85	59.9	51.8	77.6

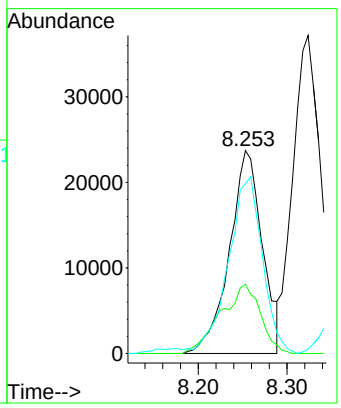




#31
Cyclohexane
Concen: 17.202 ug/l
RT: 8.253 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion: 56 Resp: 61148

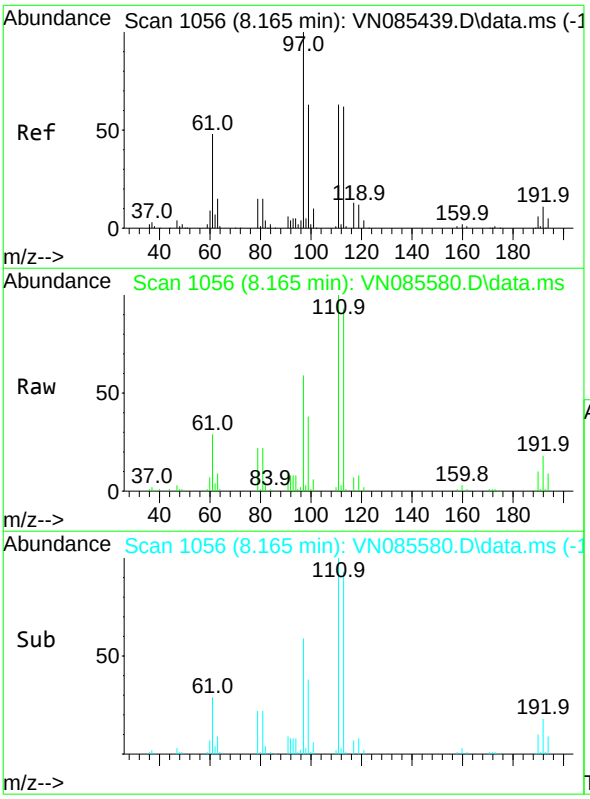
Ion	Ratio	Lower	Upper
56	100		
69	34.1	22.2	33.4#
84	81.5	66.4	99.6



Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

Manual Integrations
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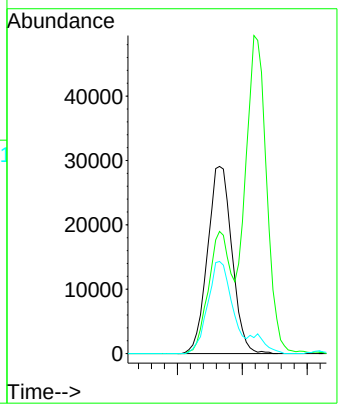
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

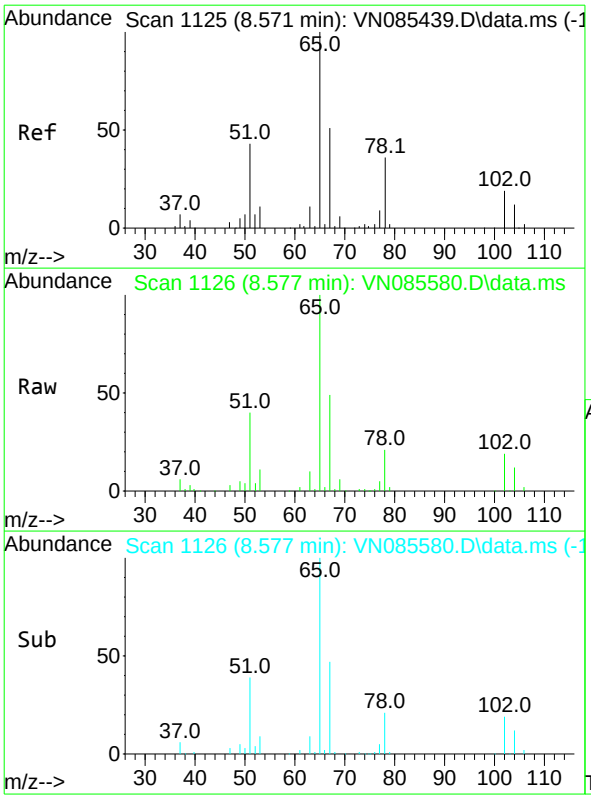


#32
1,1,1-Trichloroethane
Concen: 20.512 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion: 97 Resp: 76055

Ion	Ratio	Lower	Upper
97	100		
99	60.6	49.8	74.6
61	49.2	41.4	62.2

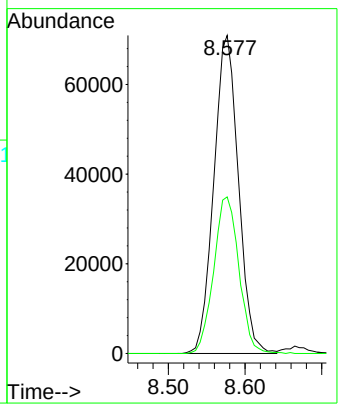




#33
1,2-Dichloroethane-d4
Concen: 56.377 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion: 65 Resp: 157914

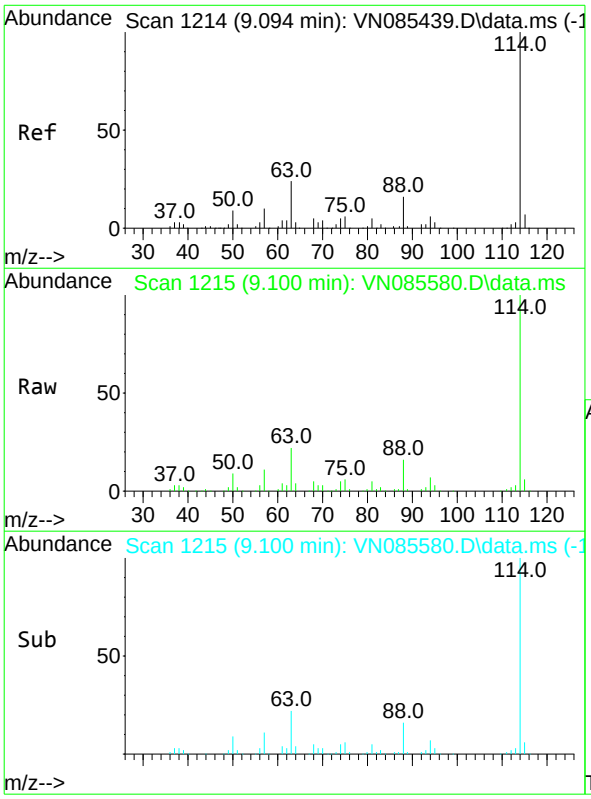
Ion	Ratio	Lower	Upper
65	100		
67	50.4	0.0	101.6



Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

Manual Integrations
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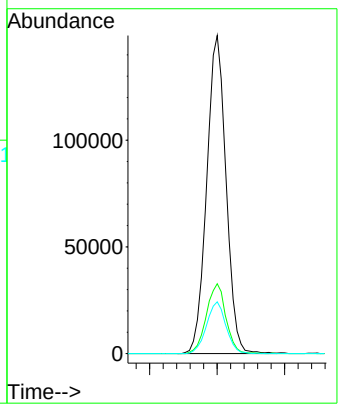
Reviewed By :John Carlone 01/31/2025
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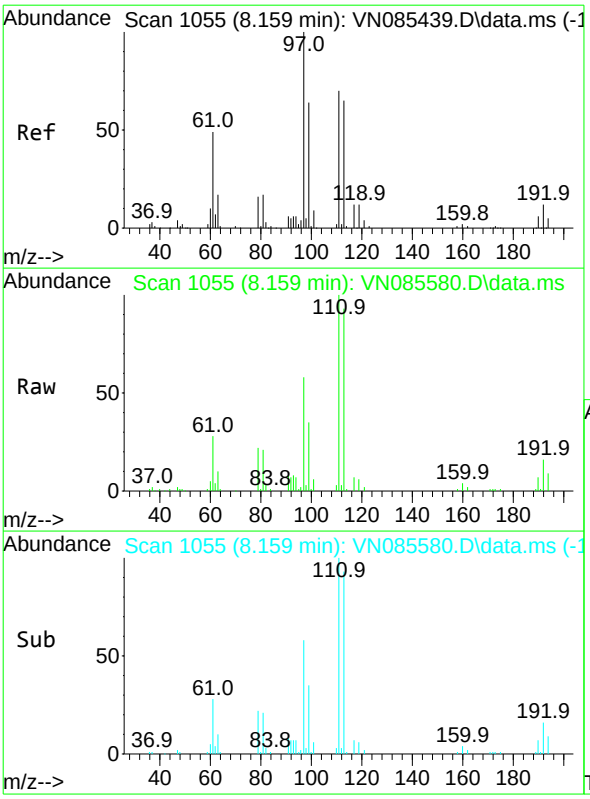


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion:114 Resp: 296538

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	47.6
88	16.3	0.0	32.6





#35
Dibromofluoromethane
Concen: 55.274 ug/l
RT: 8.159 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

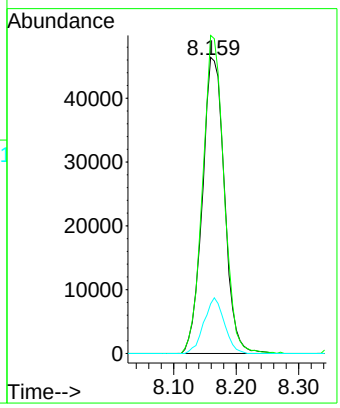
Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

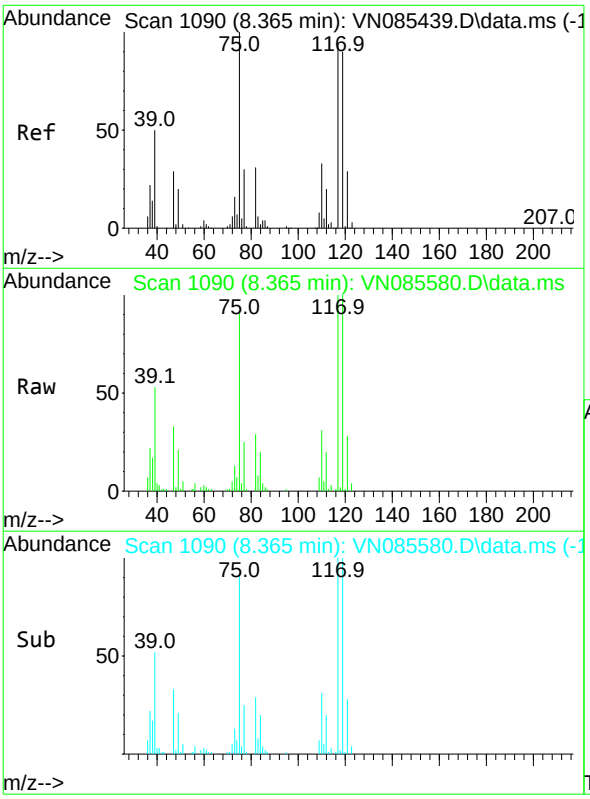
Tgt Ion:113 Resp: 113713

Ion	Ratio	Lower	Upper
113	100		
111	104.1	82.7	124.1
192	17.5	14.3	21.5

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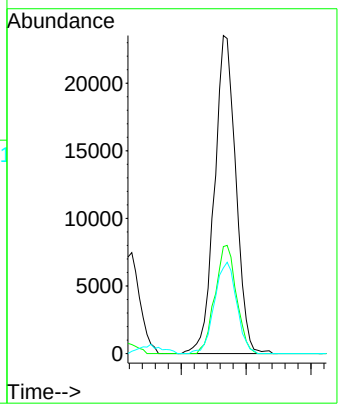


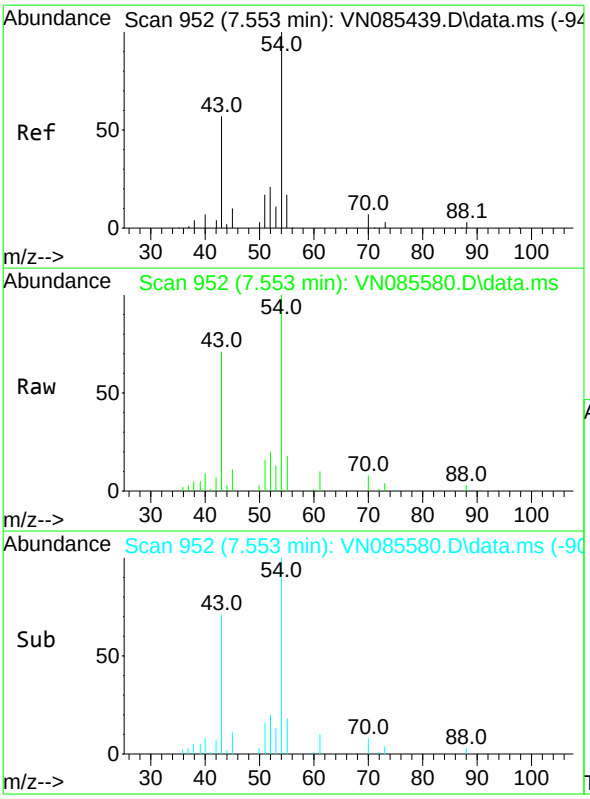


#36
1,1-Dichloropropene
Concen: 18.652 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion: 75 Resp: 53855

Ion	Ratio	Lower	Upper
75	100		
110	34.0	16.5	49.5
77	29.8	24.4	36.6





#37
Ethyl Acetate
Concen: 21.758 ug/l
RT: 7.553 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

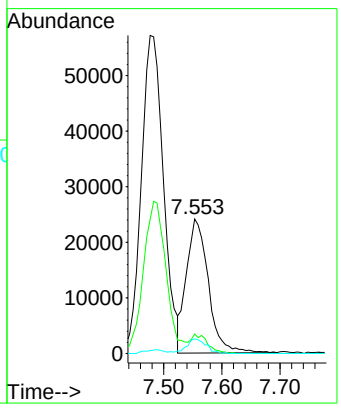
Tgt Ion: 43 Resp: 63409

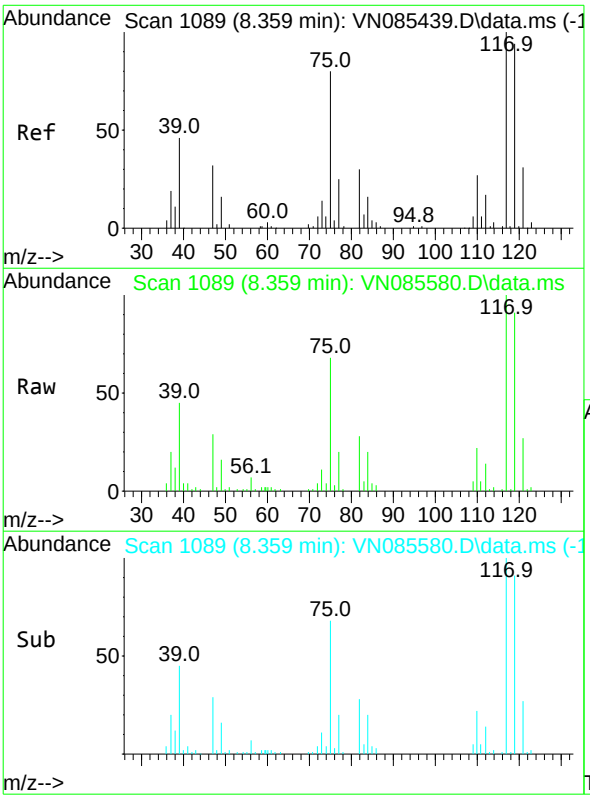
Ion	Ratio	Lower	Upper
43	100		
61	10.7	10.9	16.3#
70	9.6	7.5	11.3

Instrument :
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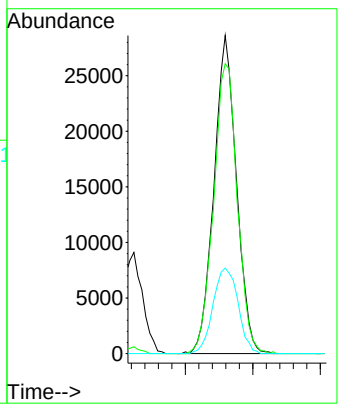


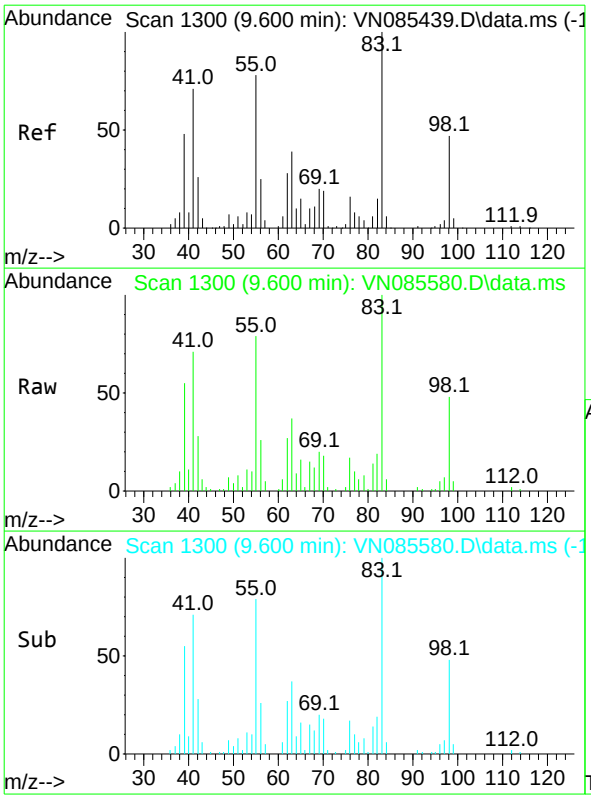


#38
Carbon Tetrachloride
Concen: 20.052 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion:117 Resp: 66280

Ion	Ratio	Lower	Upper
117	100		
119	91.1	75.4	113.2
121	26.9	24.6	37.0

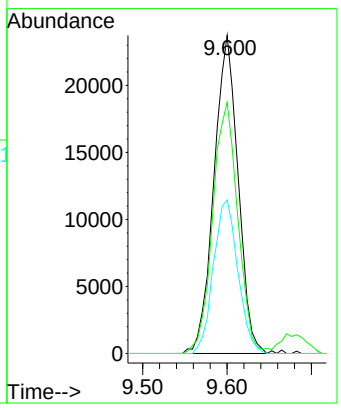




#39
Methylcyclohexane
Concen: 17.410 ug/l
RT: 9.600 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion: 83 Resp: 47238

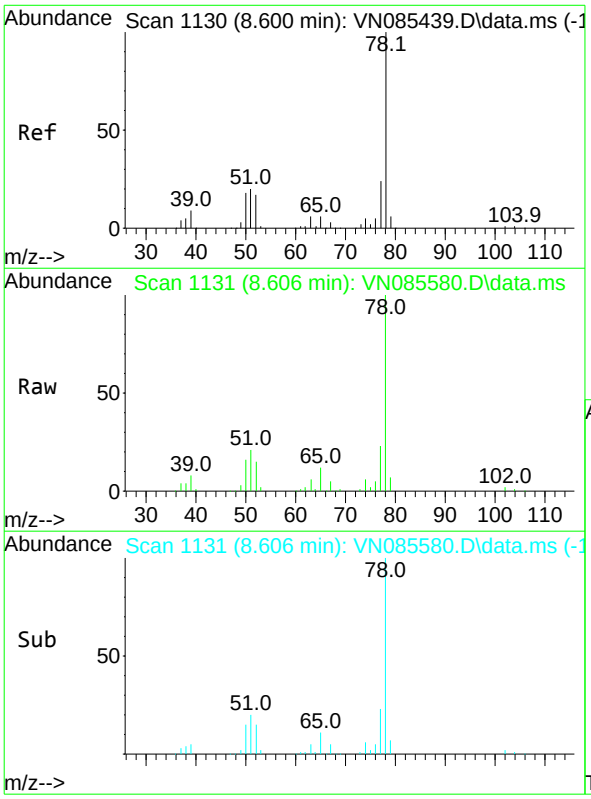
Ion	Ratio	Lower	Upper
83	100		
55	78.9	62.6	94.0
98	48.3	37.7	56.5



Instrument :
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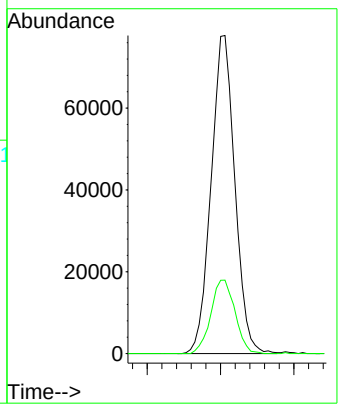
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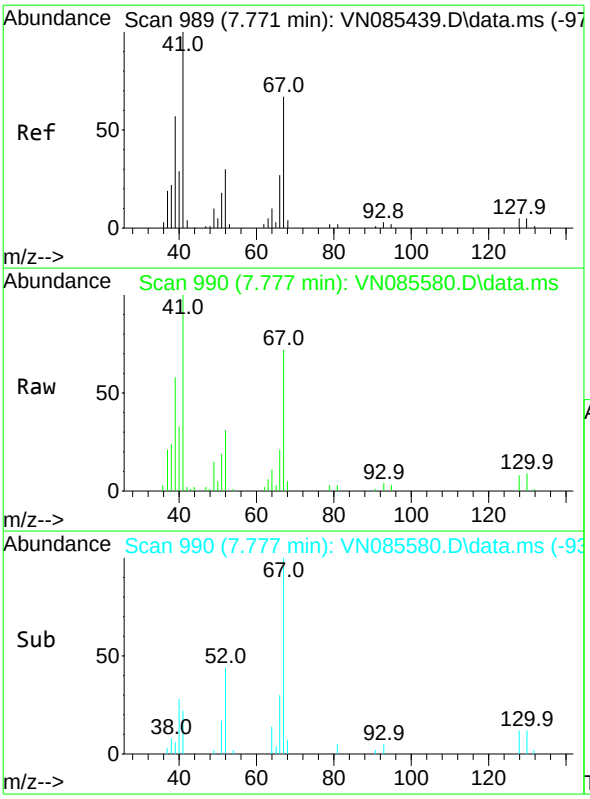


#40
Benzene
Concen: 20.150 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion: 78 Resp: 174813

Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.0	28.6

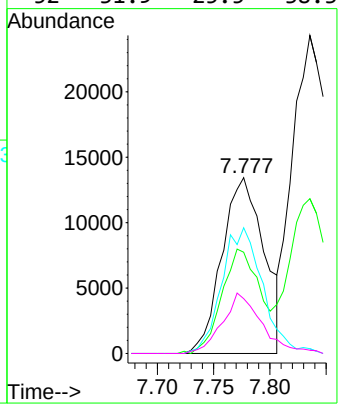




#41
Methacrylonitrile
Concen: 23.102 ug/l
RT: 7.777 min Scan# 99
Delta R.T. 0.006 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion: 41 Resp: 35027

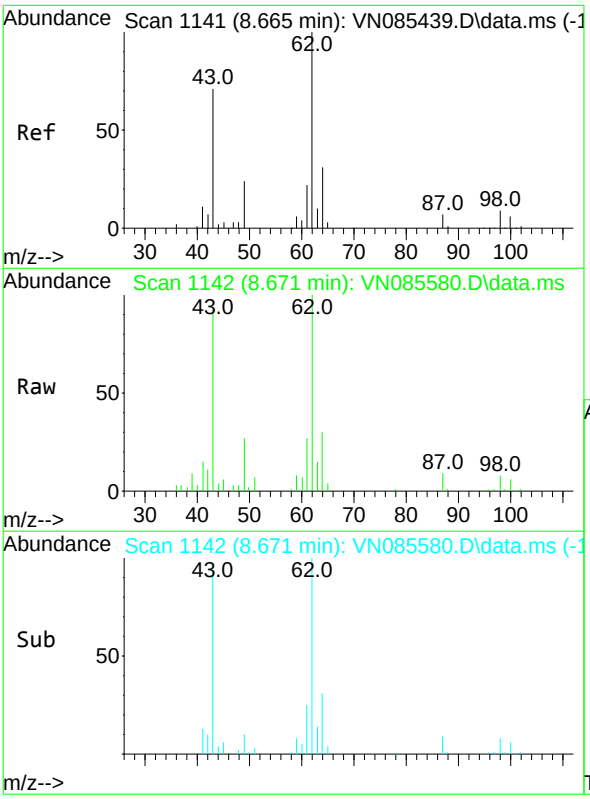
Ion	Ratio	Lower	Upper
41	100		
39	53.3	46.0	69.0
67	69.4	57.4	86.2
52	31.9	25.5	38.3



Instrument :
MSVOA_N
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VN0130WBSD01

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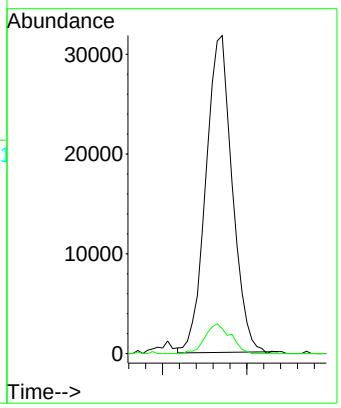
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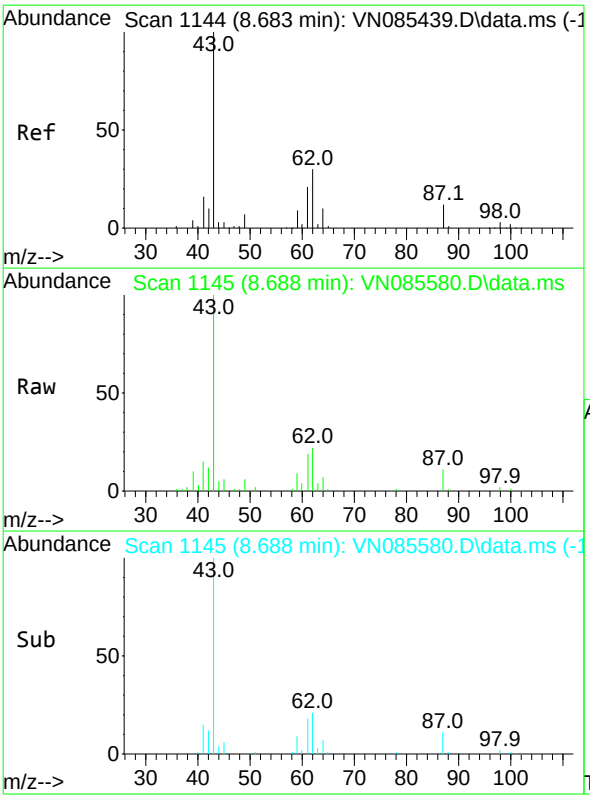


#42
1,2-Dichloroethane
Concen: 21.113 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion: 62 Resp: 68985

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.0





#43
Isopropyl Acetate
Concen: 23.255 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

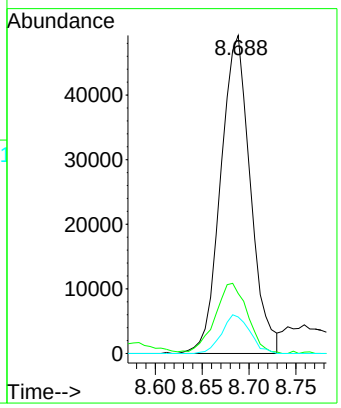
Tgt Ion: 43 Resp: 108594

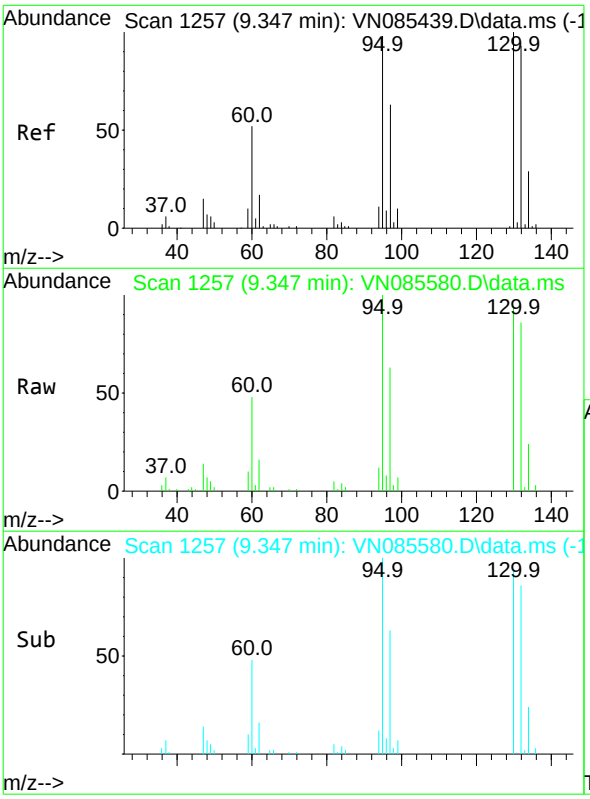
Ion	Ratio	Lower	Upper
43	100		
61	24.2	20.7	31.1
87	11.5	9.8	14.8

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

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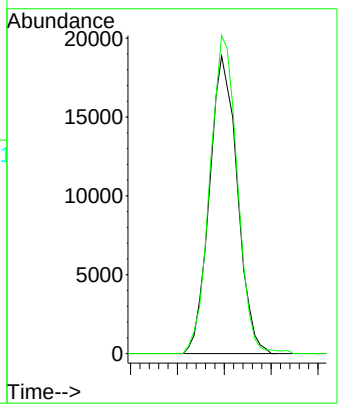


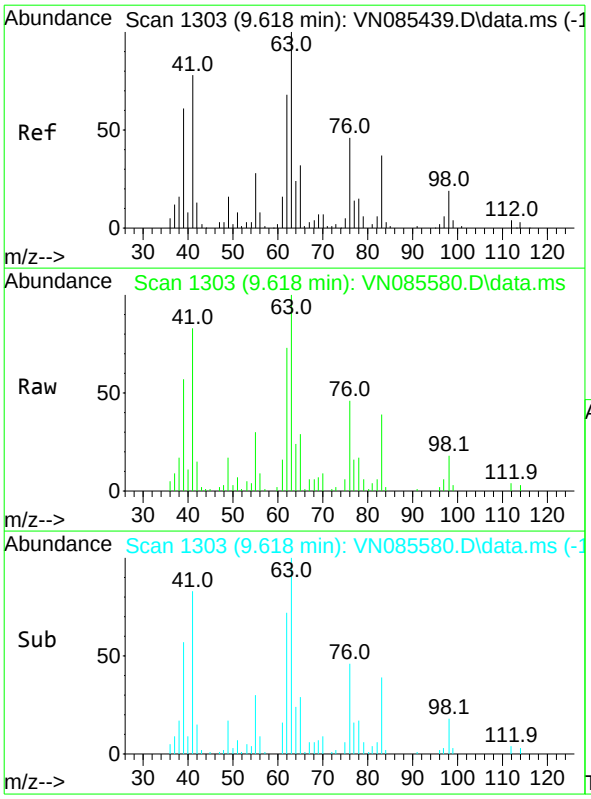


#44
Trichloroethene
Concen: 19.286 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion:130 Resp: 38946

Ion	Ratio	Lower	Upper
130	100		
95	106.9	0.0	195.8

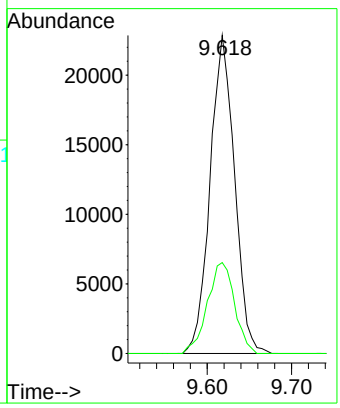




#45
1,2-Dichloropropane
Concen: 20.800 ug/l
RT: 9.618 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion: 63 Resp: 46091

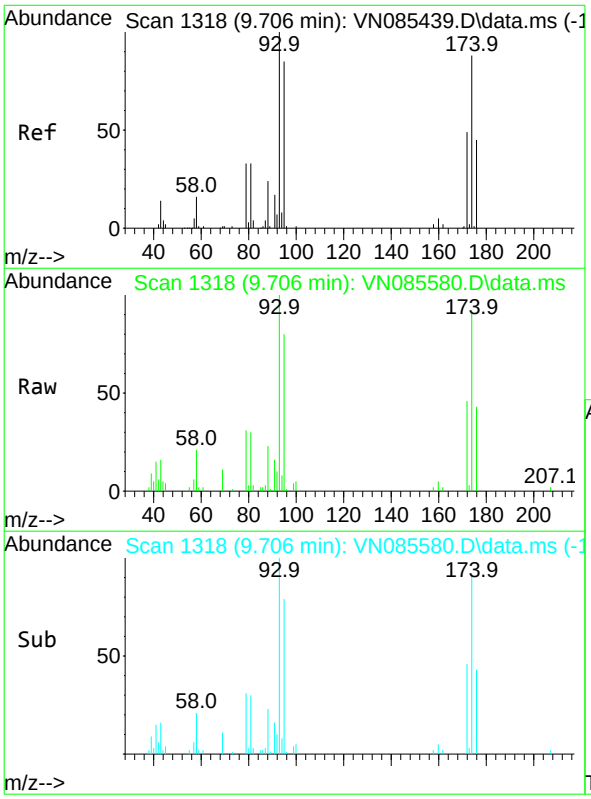
Ion	Ratio	Lower	Upper
63	100		
65	28.6	25.6	38.4



Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

Manual Integrations
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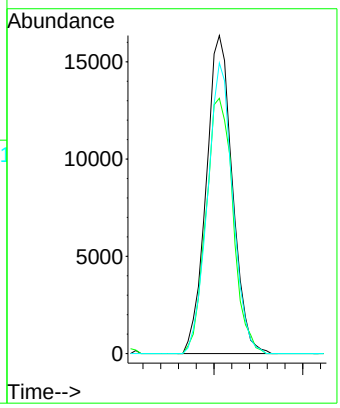
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

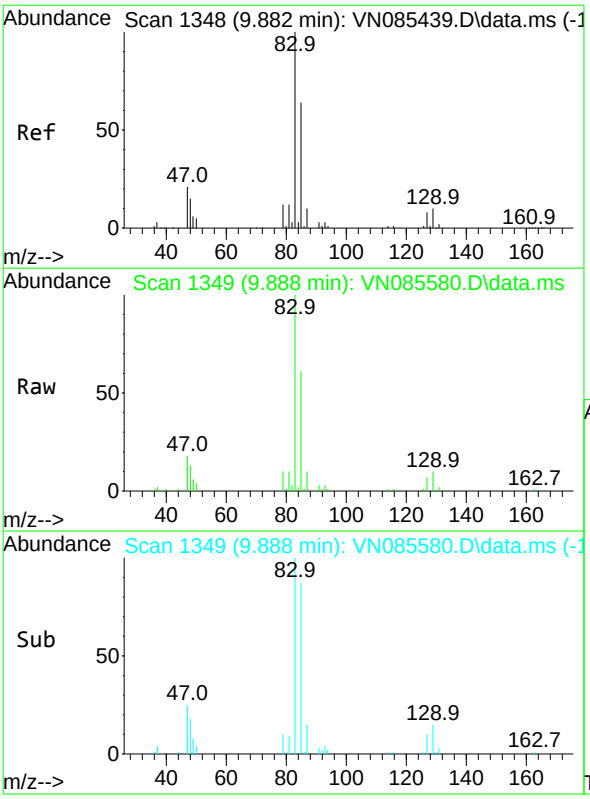


#46
Dibromomethane
Concen: 20.958 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion: 93 Resp: 33510

Ion	Ratio	Lower	Upper
93	100		
95	82.6	64.7	97.1
174	88.1	69.0	103.4





#47
Bromodichloromethane
Concen: 22.106 ug/l
RT: 9.888 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

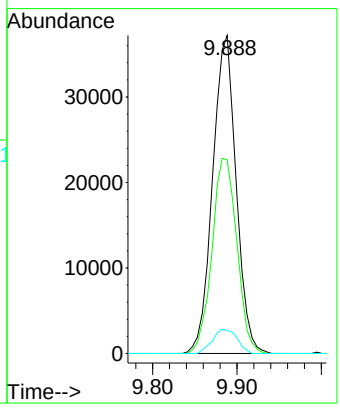
Tgt Ion: 83 Resp: 72012

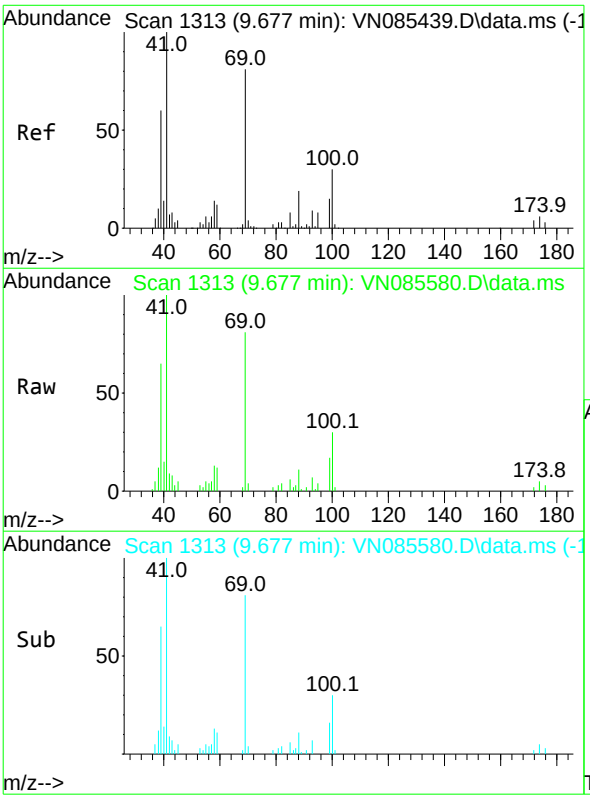
Ion	Ratio	Lower	Upper
83	100		
85	60.9	51.2	76.8
127	7.2	6.5	9.7

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

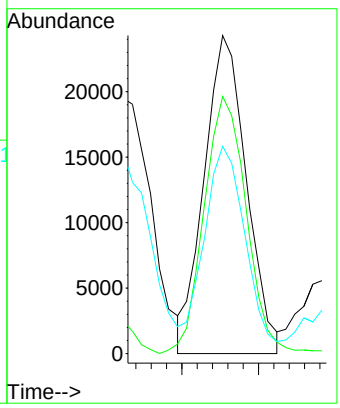


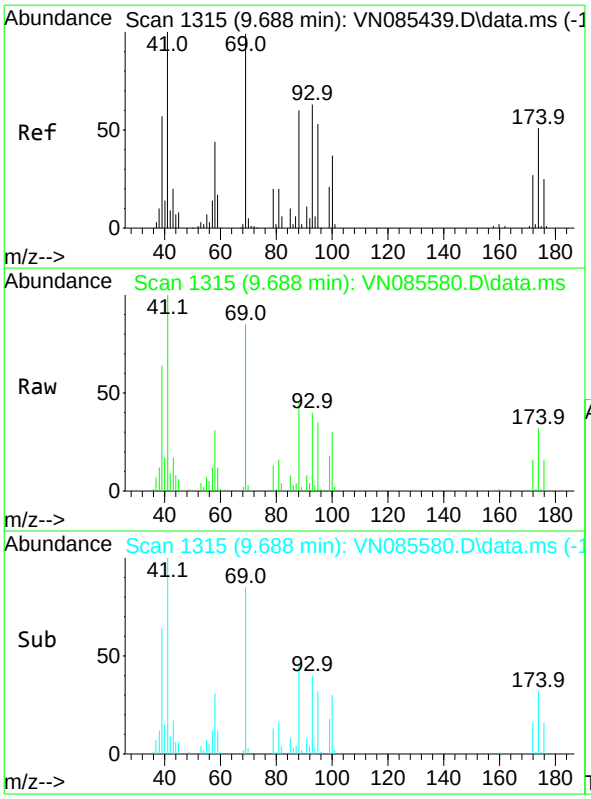


#48
Methyl methacrylate
Concen: 22.124 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion: 41 Resp: 46494

Ion	Ratio	Lower	Upper
41	100		
69	81.0	64.7	97.1
39	63.3	49.0	73.6





#49
1,4-Dioxane
Concen: 433.809 ug/l
RT: 9.688 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

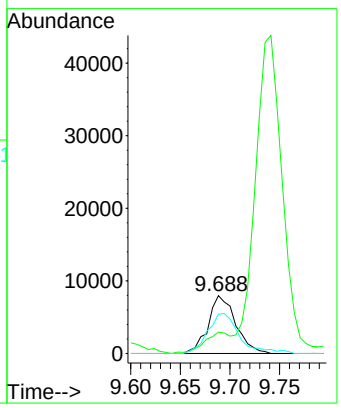
Tgt Ion: 88 Resp: 15352

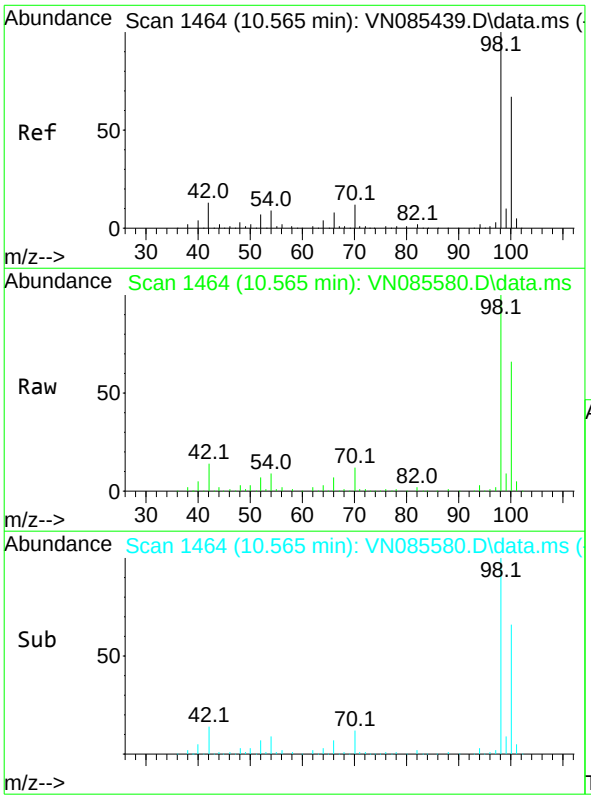
Ion	Ratio	Lower	Upper
88	100		
43	34.2	26.6	39.8
58	79.9	59.5	89.3

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

Manual Integrations
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Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

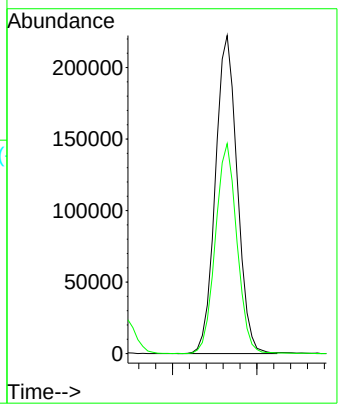


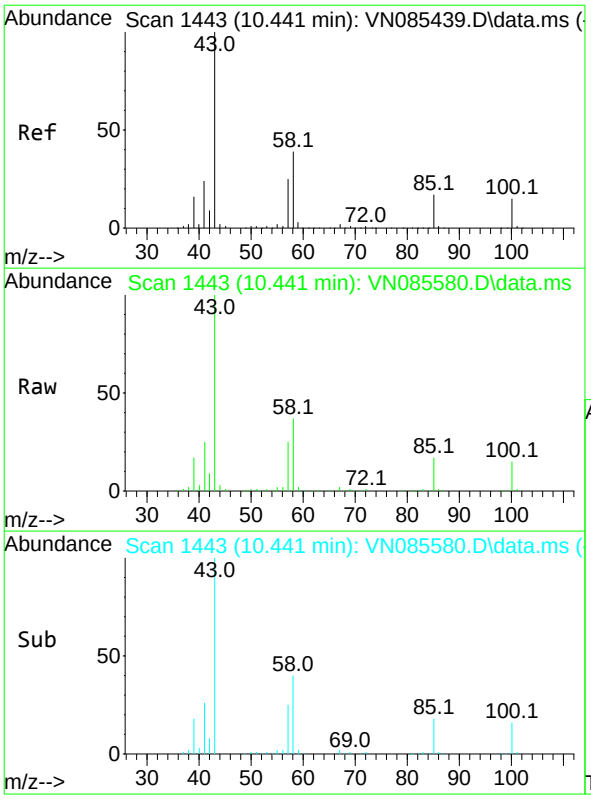


#50
Toluene-d8
Concen: 54.744 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion: 98 Resp: 400141

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.2	78.4





#51
4-Methyl-2-Pentanone
Concen: 119.322 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

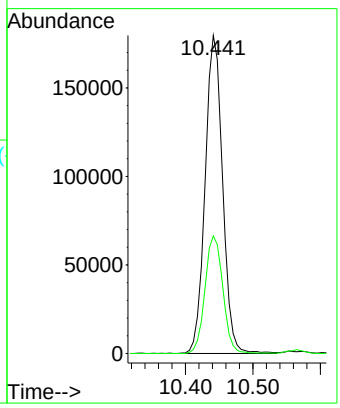
Tgt Ion: 43 Resp: 323337

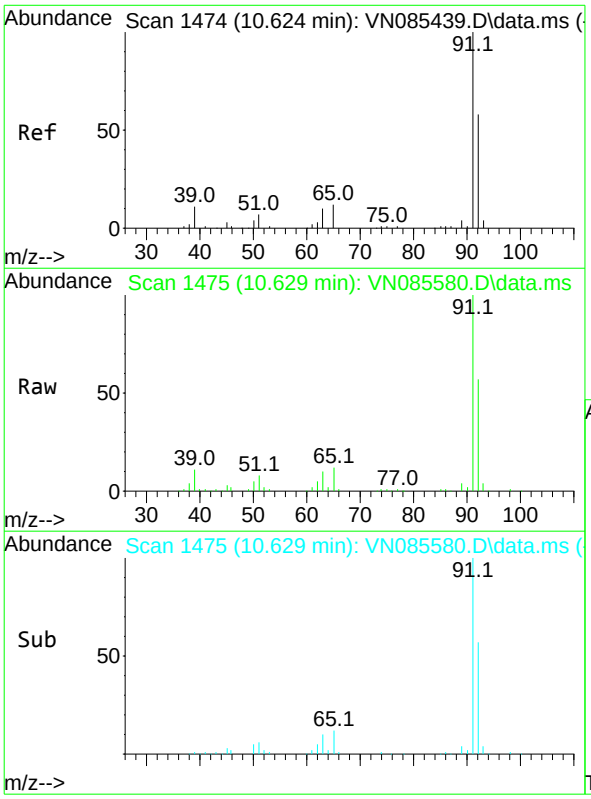
Ion	Ratio	Lower	Upper
43	100		
58	37.8	30.5	45.7

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

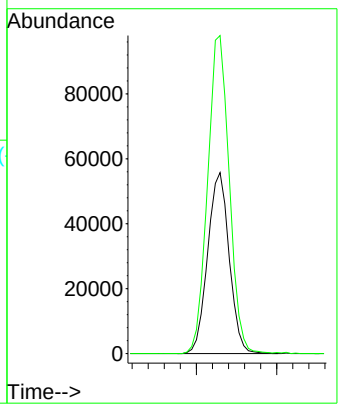


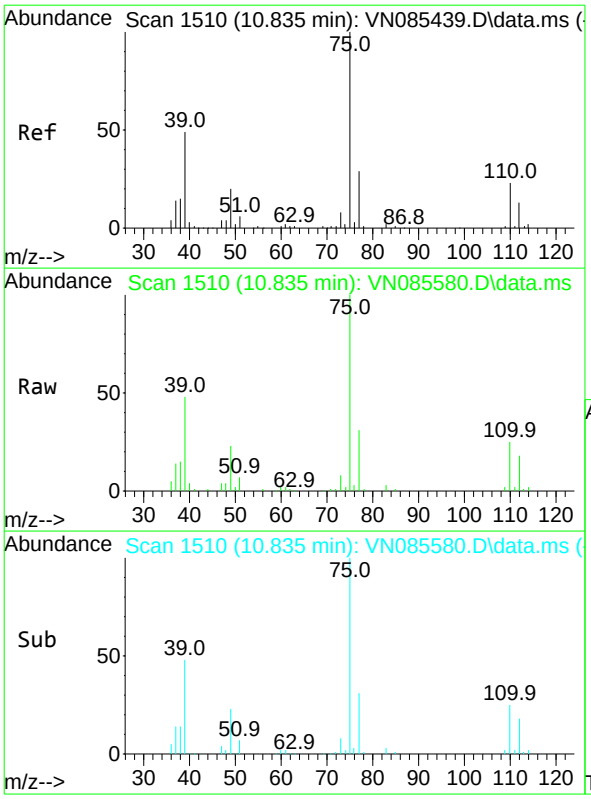


#52
Toluene
Concen: 20.638 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.005 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion: 92 Resp: 103743

Ion	Ratio	Lower	Upper
92	100		
91	176.5	139.2	208.8

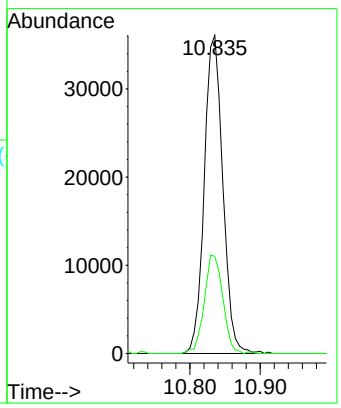




#53
t-1,3-Dichloropropene
Concen: 21.440 ug/l
RT: 10.835 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion: 75 Resp: 66003

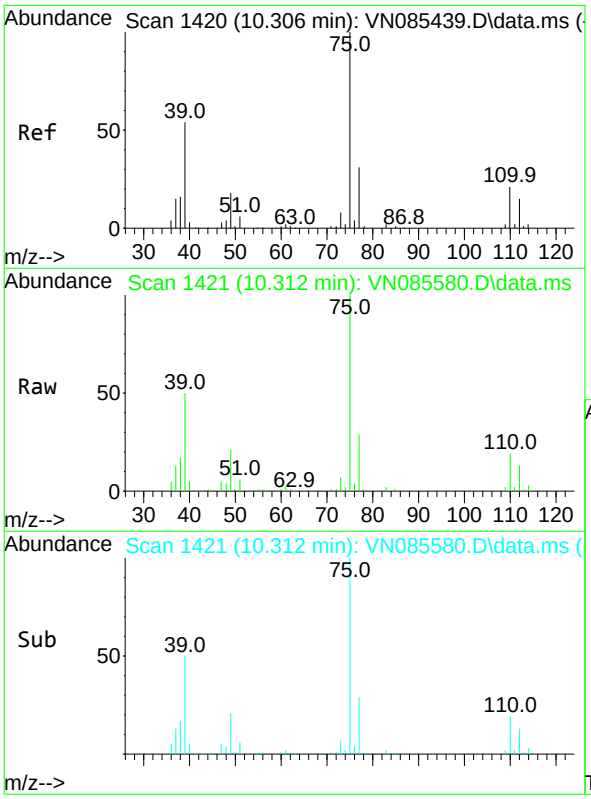
Ion	Ratio	Lower	Upper
75	100		
77	30.5	23.5	35.3



Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

Manual Integrations
APPROVED

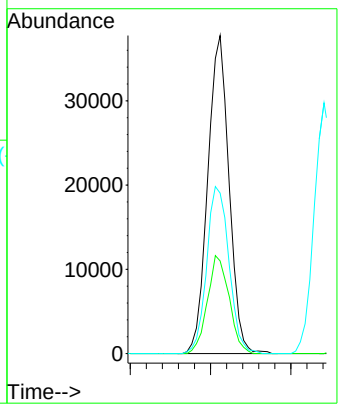
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

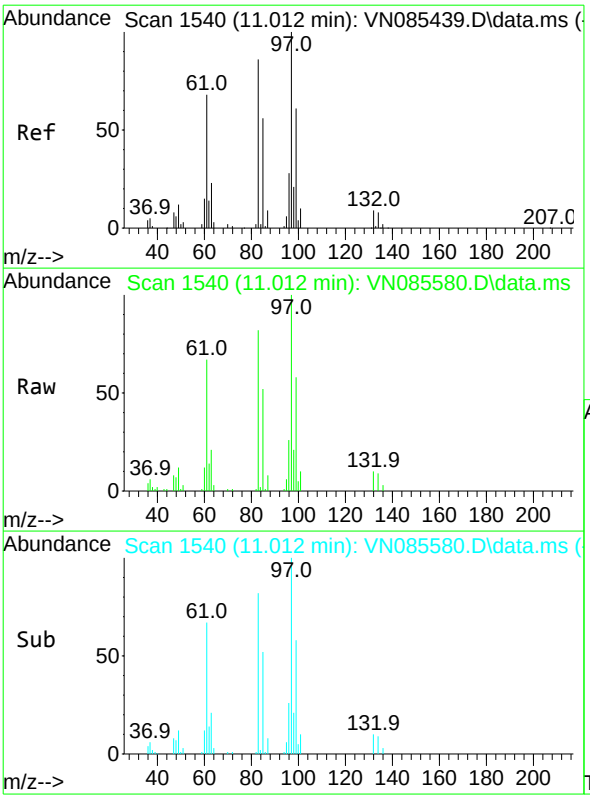


#54
cis-1,3-Dichloropropene
Concen: 21.137 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.006 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion: 75 Resp: 69505

Ion	Ratio	Lower	Upper
75	100		
77	29.1	25.0	37.4
39	50.5	43.1	64.7

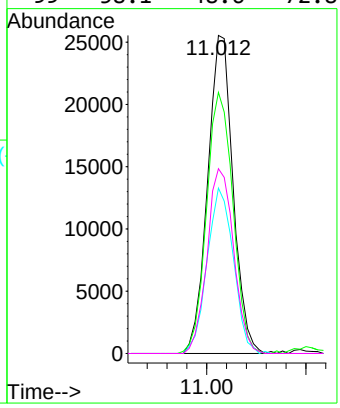




#55
1,1,2-Trichloroethane
Concen: 22.844 ug/l
RT: 11.012 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion: 97 Resp: 45444

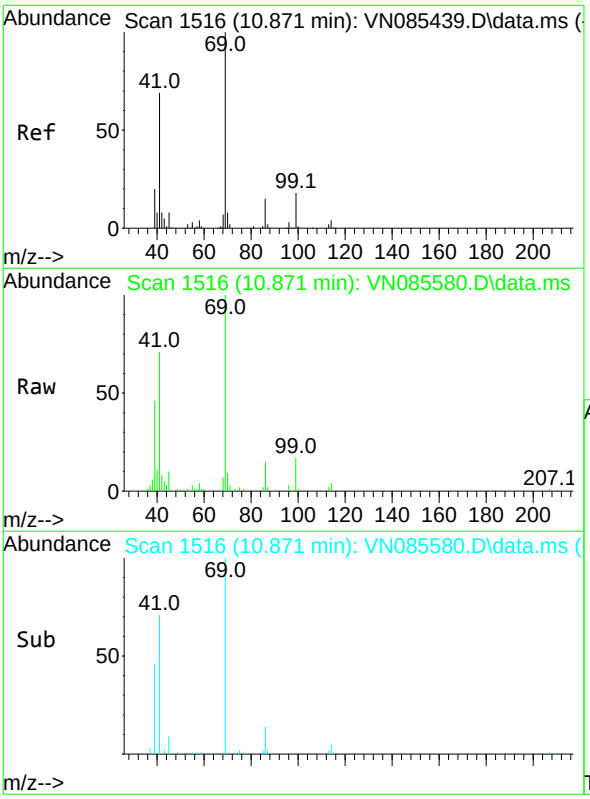
Ion	Ratio	Lower	Upper
97	100		
83	82.1	69.0	103.6
85	52.0	44.6	66.8
99	58.1	48.6	72.8



Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

Manual Integrations
APPROVED

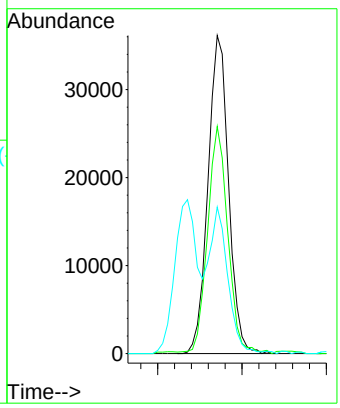
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

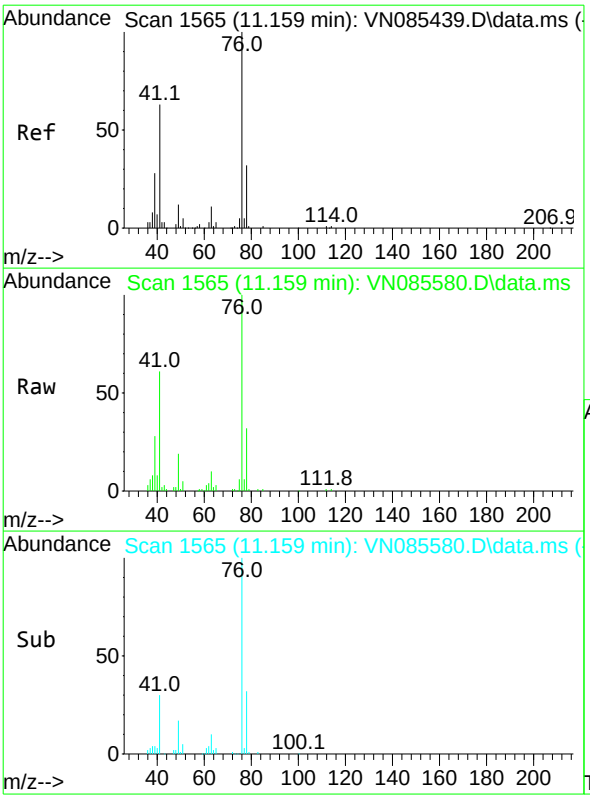


#56
Ethyl methacrylate
Concen: 19.495 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion: 69 Resp: 61221

Ion	Ratio	Lower	Upper
69	100		
41	70.5	54.6	82.0
39	42.5	32.4	48.6

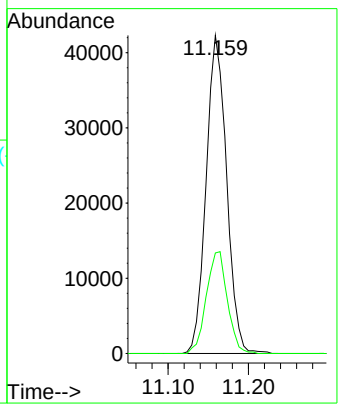




#57
1,3-Dichloropropane
Concen: 21.654 ug/l
RT: 11.159 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion: 76 Resp: 74902

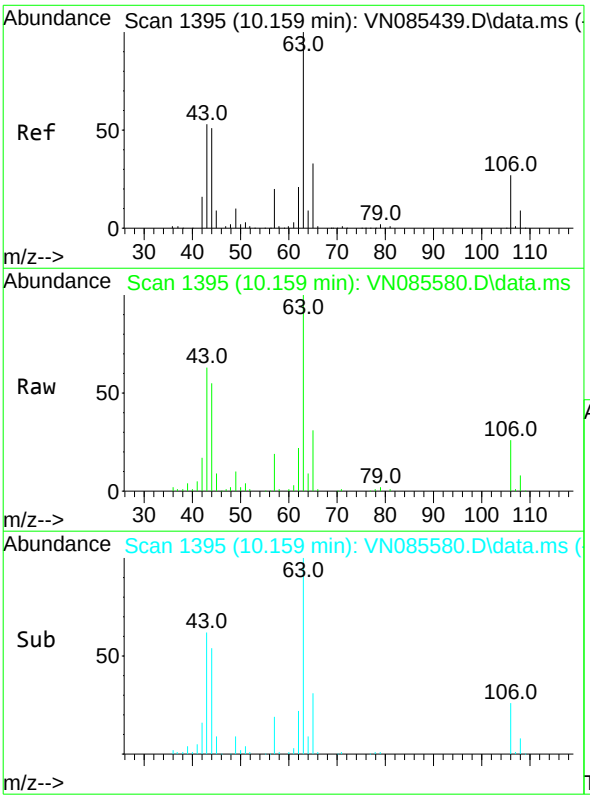
Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.6	38.4



Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

Manual Integrations
APPROVED

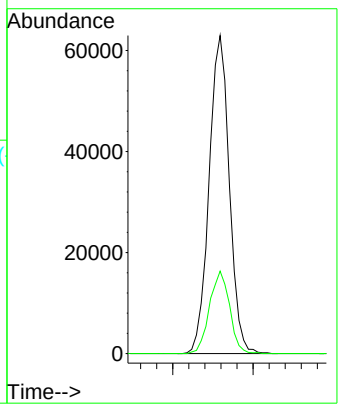
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

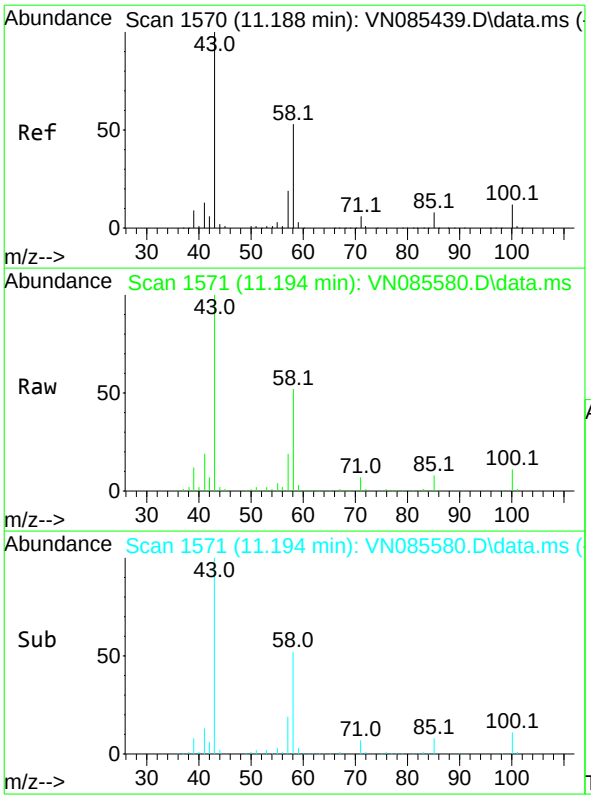


#58
2-Chloroethyl Vinyl ether
Concen: 87.261 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion: 63 Resp: 110159

Ion	Ratio	Lower	Upper
63	100		
106	25.7	21.6	32.4





#59
2-Hexanone
Concen: 121.012 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

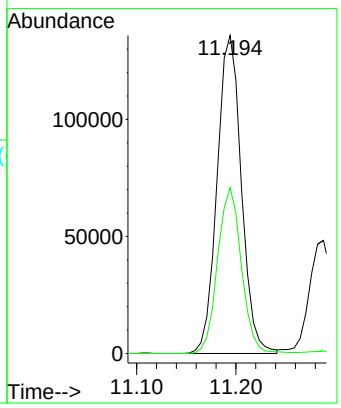
Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

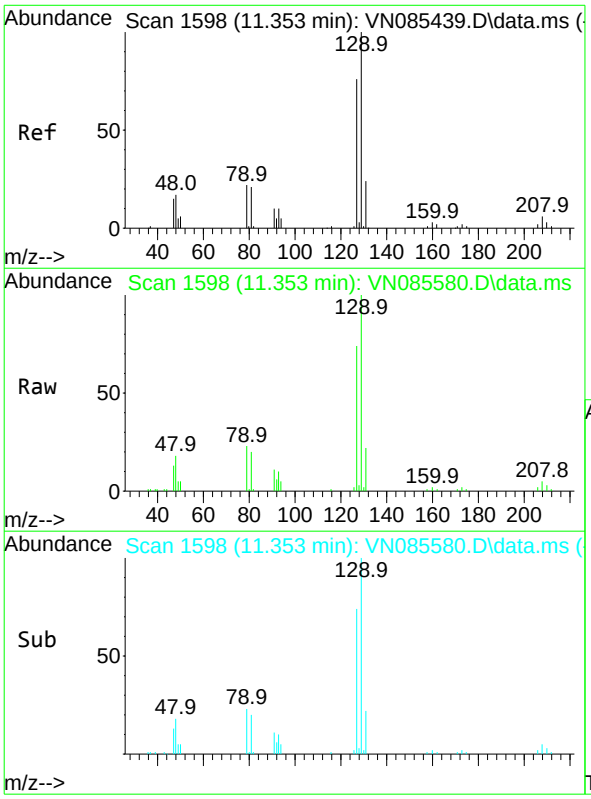
Tgt Ion: 43 Resp: 230732

Ion	Ratio	Lower	Upper
43	100		
58	51.1	26.2	78.6

Manual Integrations
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Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

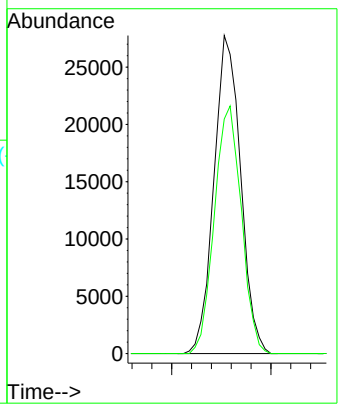


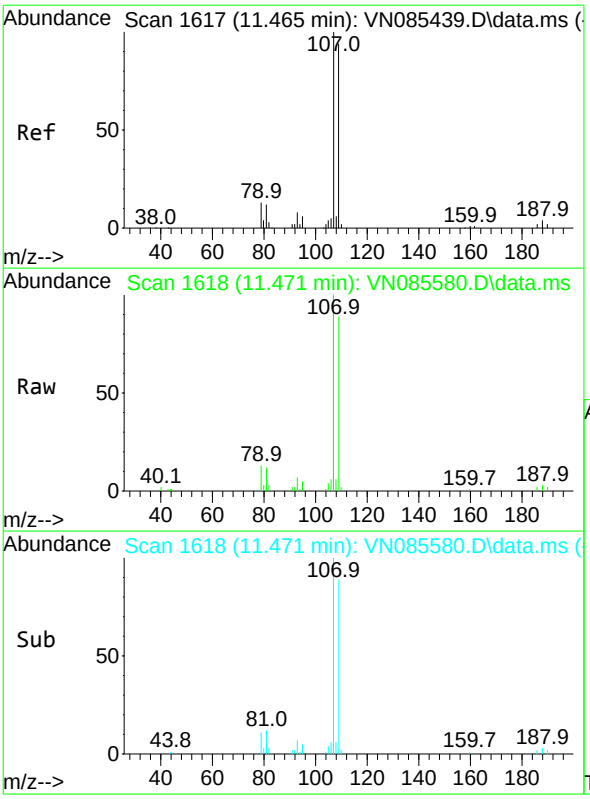


#60
Dibromochloromethane
Concen: 21.587 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion:129 Resp: 51845

Ion	Ratio	Lower	Upper
129	100		
127	78.6	38.6	115.8





#61
1,2-Dibromoethane
Concen: 21.443 ug/l
RT: 11.471 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

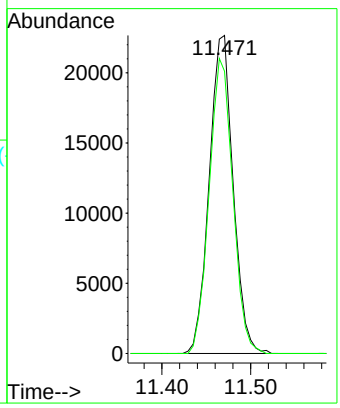
Tgt Ion:107 Resp: 42461

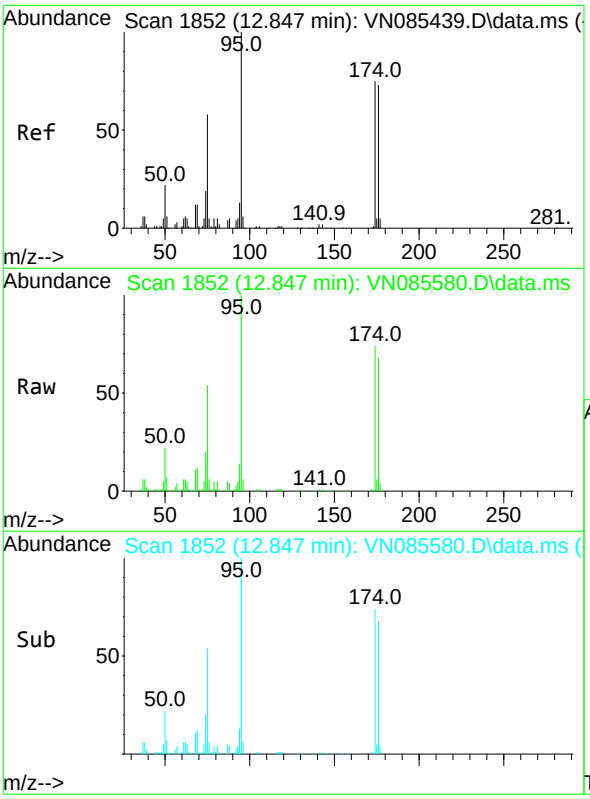
Ion	Ratio	Lower	Upper
107	100		
109	91.7	75.9	113.9

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

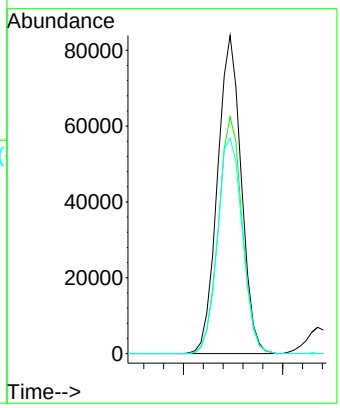


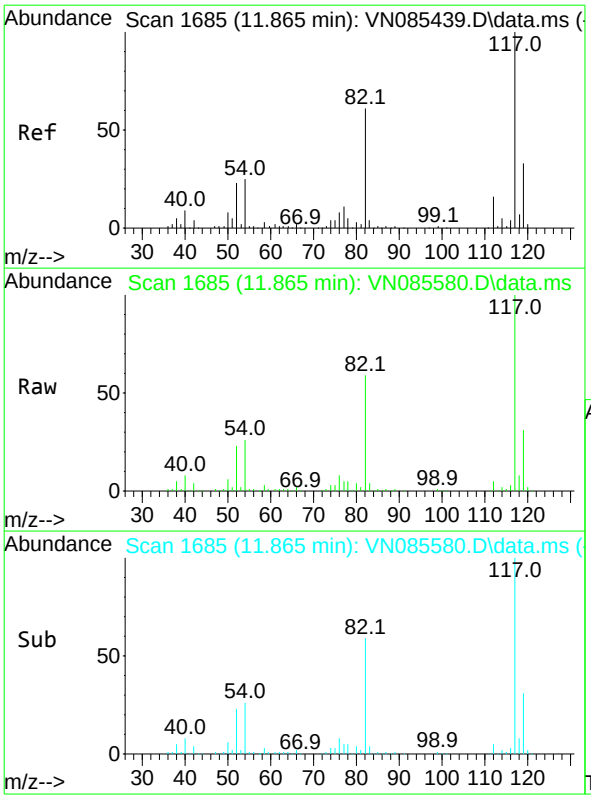


#62
4-Bromofluorobenzene
Concen: 55.808 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion: 95 Resp: 139539

Ion	Ratio	Lower	Upper
95	100		
174	74.7	0.0	145.0
176	70.9	0.0	142.4

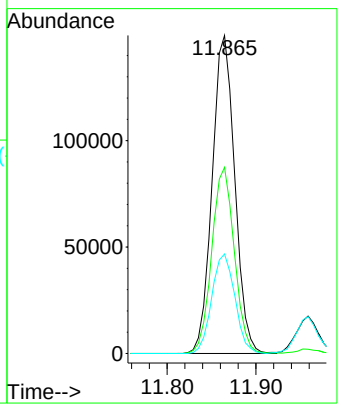




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion:117 Resp: 264359

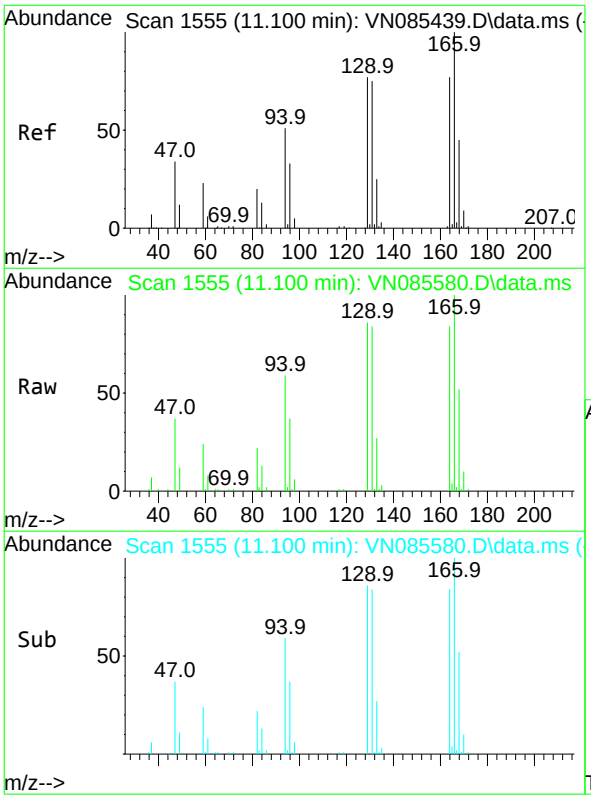
Ion	Ratio	Lower	Upper
117	100		
82	58.5	48.6	72.8
119	31.3	26.6	39.8



Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

Manual Integrations
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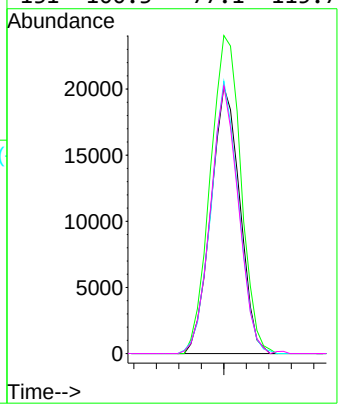
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

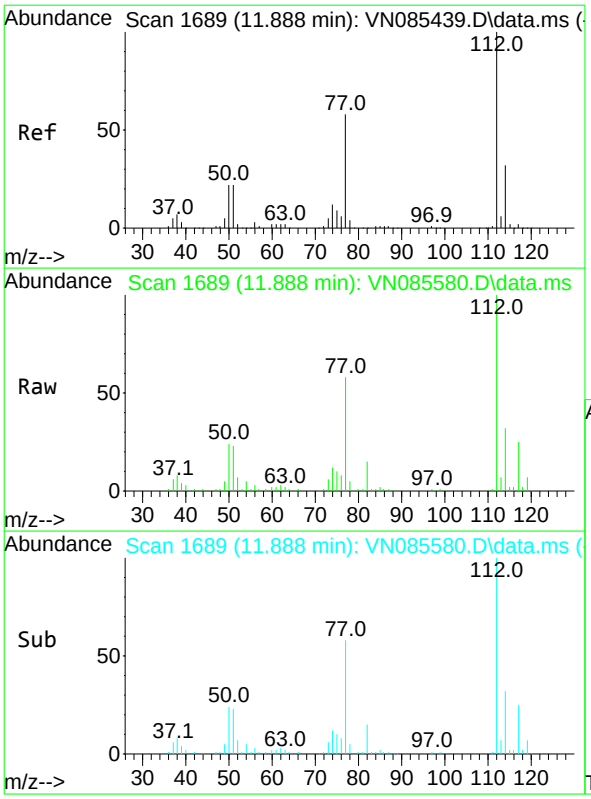


#64
Tetrachloroethene
Concen: 19.980 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion:164 Resp: 36009

Ion	Ratio	Lower	Upper
164	100		
166	119.2	103.4	155.2
129	102.0	79.2	118.8
131	100.3	77.1	115.7

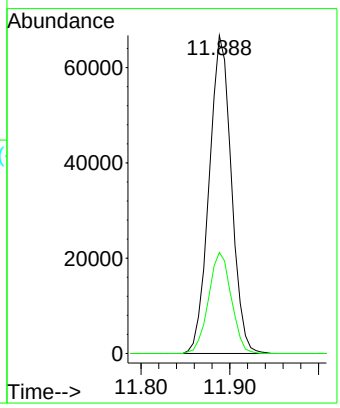




#65
Chlorobenzene
Concen: 20.026 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion:112 Resp: 115976

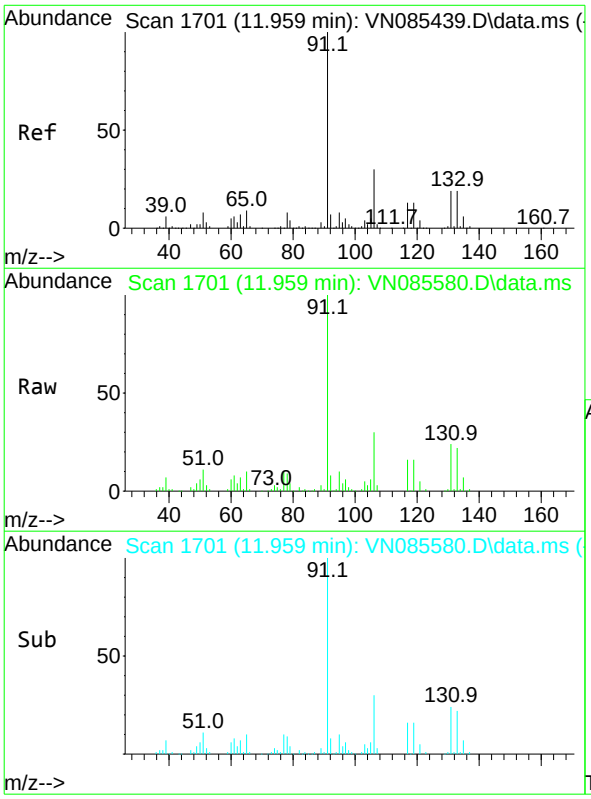
Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.3	37.9



Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

Manual Integrations
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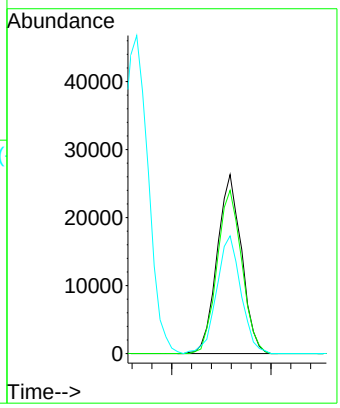
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

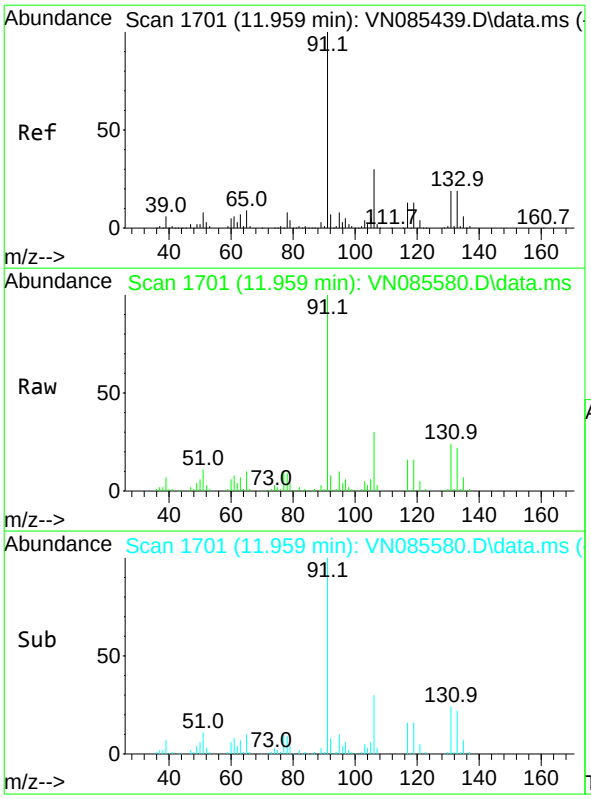


#66
1,1,1,2-Tetrachloroethane
Concen: 21.188 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion:131 Resp: 45034

Ion	Ratio	Lower	Upper
131	100		
133	92.1	47.4	142.3
119	65.5	33.1	99.5

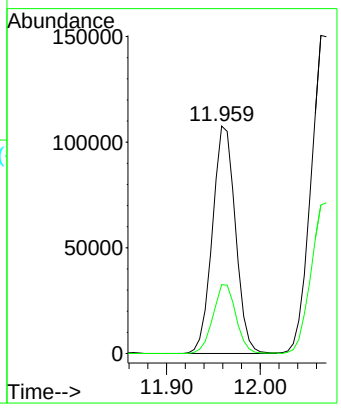




#67
Ethyl Benzene
Concen: 19.502 ug/l
RT: 11.959 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion: 91 Resp: 183947

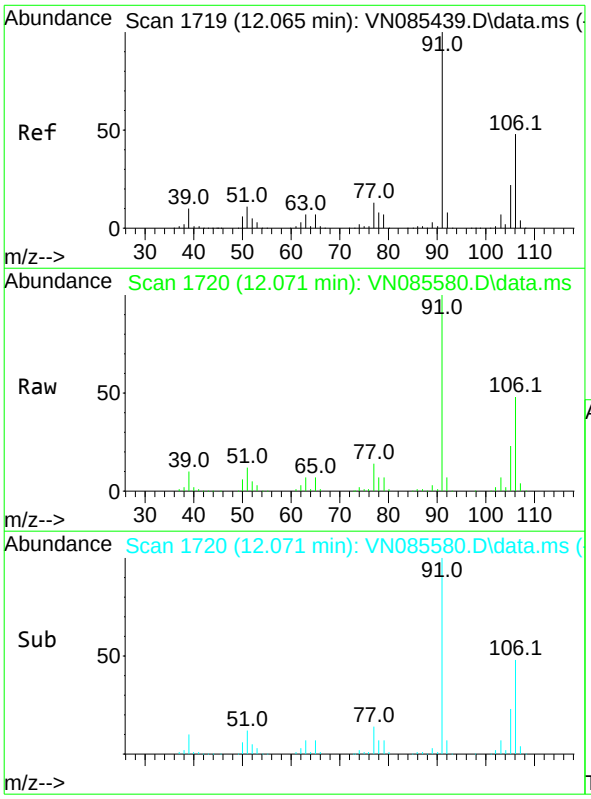
Ion	Ratio	Lower	Upper
91	100		
106	30.3	23.8	35.8



Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

Manual Integrations
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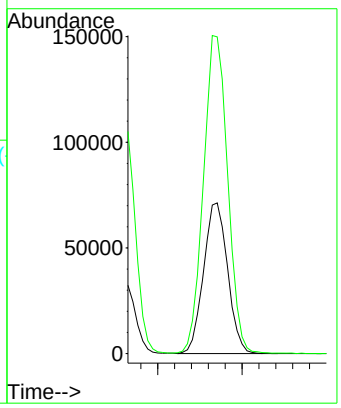
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

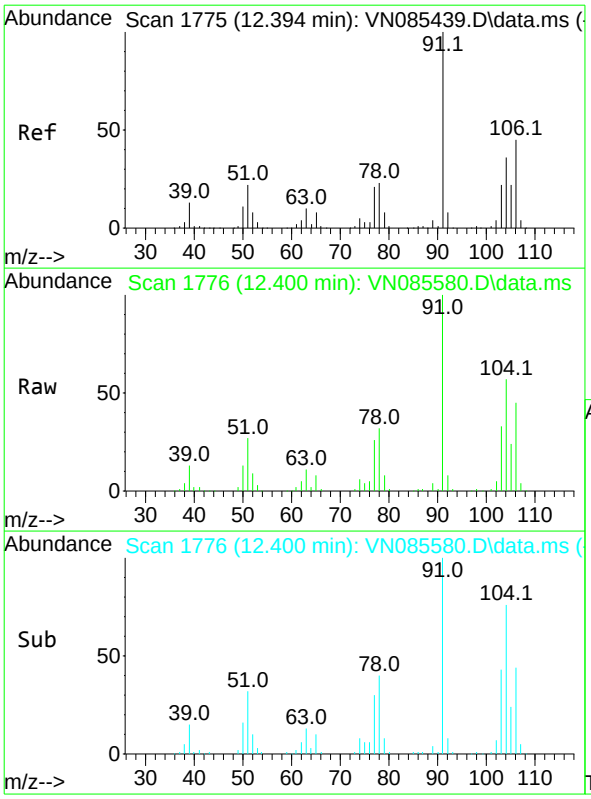


#68
m/p-Xylenes
Concen: 40.486 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.006 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion:106 Resp: 141137

Ion	Ratio	Lower	Upper
106	100		
91	211.9	167.7	251.5

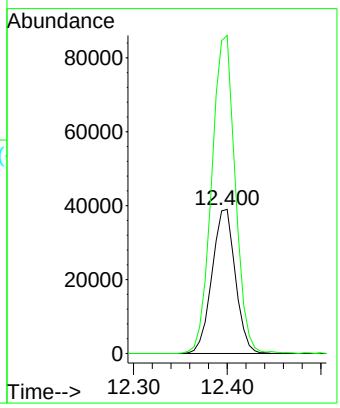




#69
o-Xylene
Concen: 20.310 ug/l
RT: 12.400 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion:106 Resp: 67663

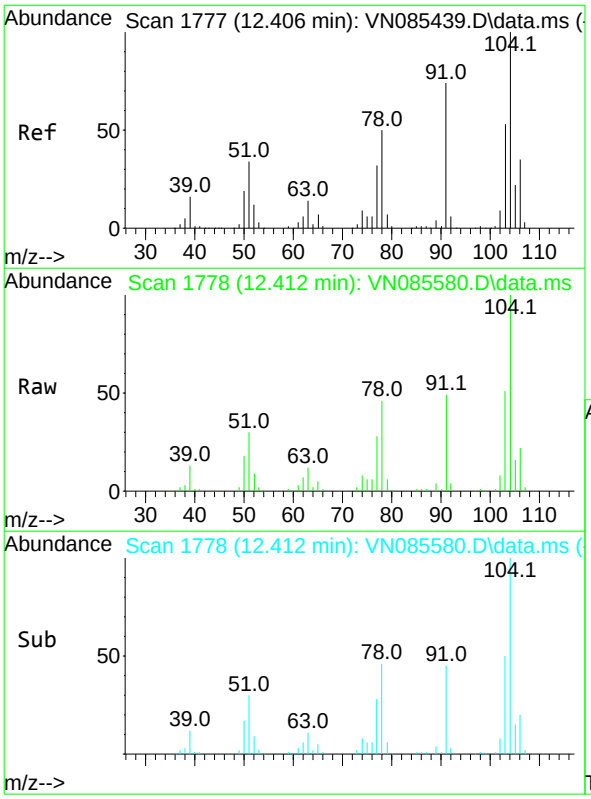
Ion	Ratio	Lower	Upper
106	100		
91	222.1	110.4	331.2



Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

Manual Integrations
APPROVED

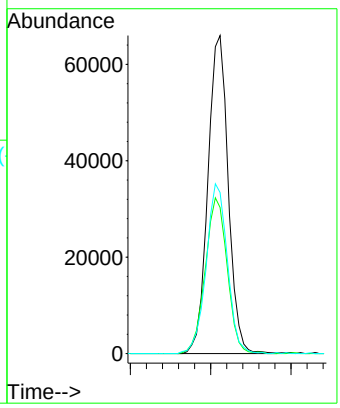
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

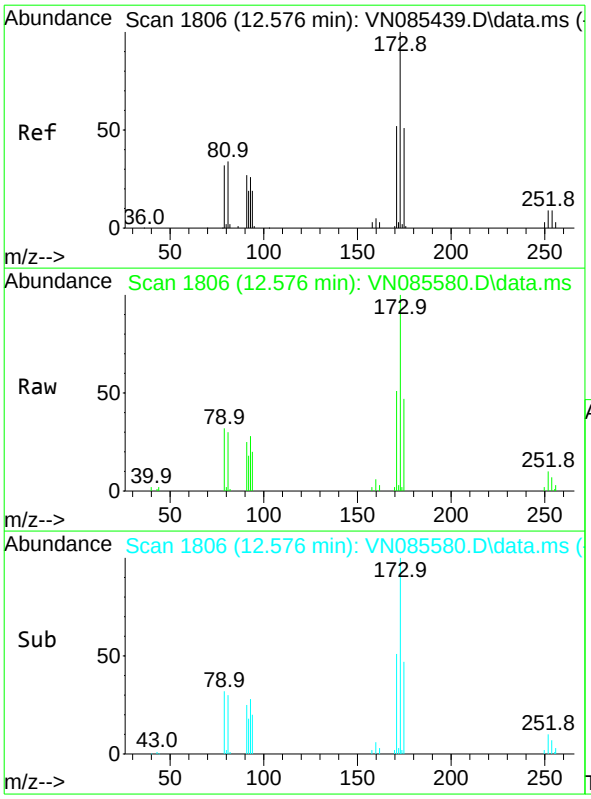


#70
Styrene
Concen: 21.034 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion:104 Resp: 115973

Ion	Ratio	Lower	Upper
104	100		
78	53.0	42.5	63.7
103	55.7	43.8	65.8





#71
Bromoform
Concen: 22.647 ug/l
RT: 12.576 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

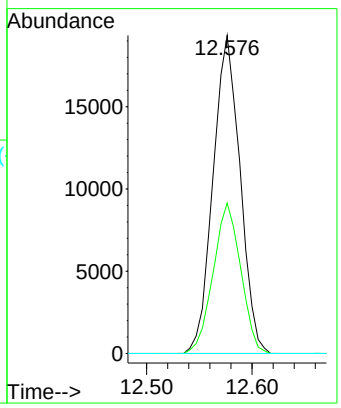
Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

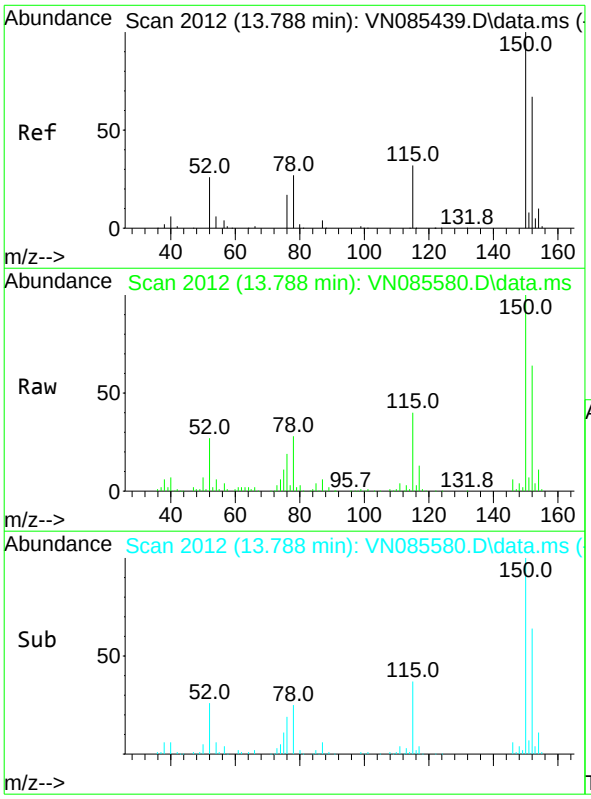
Tgt Ion:173 Resp: 34442

Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.4	73.2
254	0.0	0.0	0.0

Manual Integrations
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Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

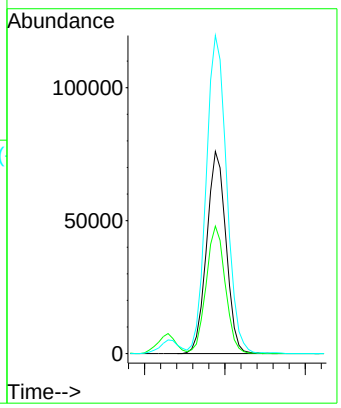


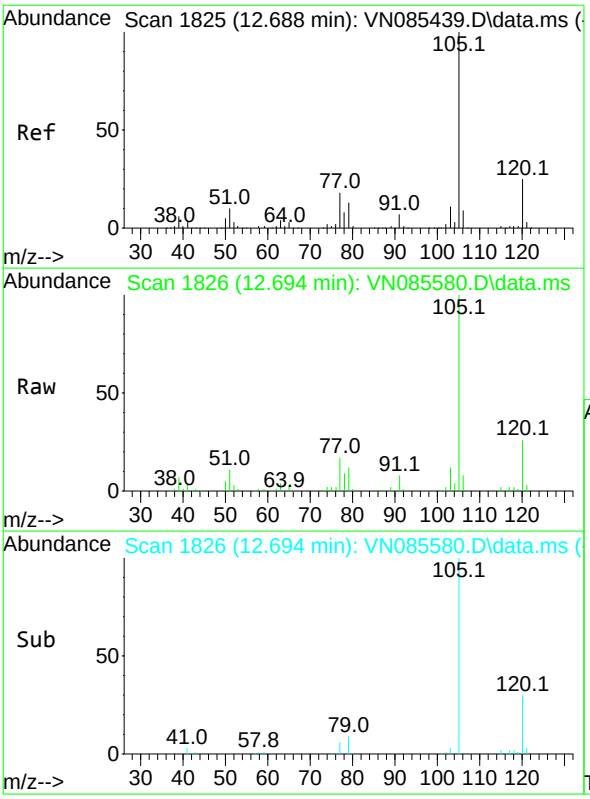


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion:152 Resp: 127057

Ion	Ratio	Lower	Upper
152	100		
115	62.4	31.1	93.3
150	165.4	0.0	343.6

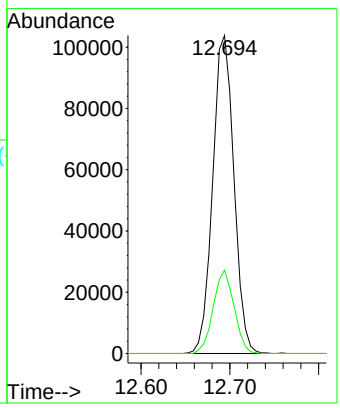




#73
Isopropylbenzene
Concen: 20.089 ug/l
RT: 12.694 min Scan# 18
Delta R.T. 0.006 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion:105 Resp: 172265

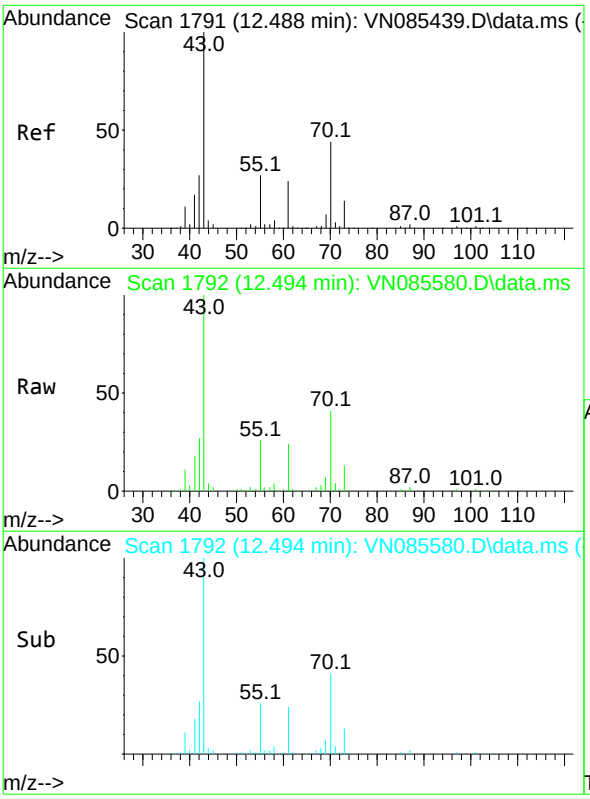
Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.8	38.3



Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

Manual Integrations
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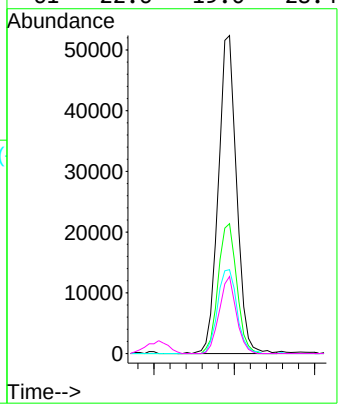
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

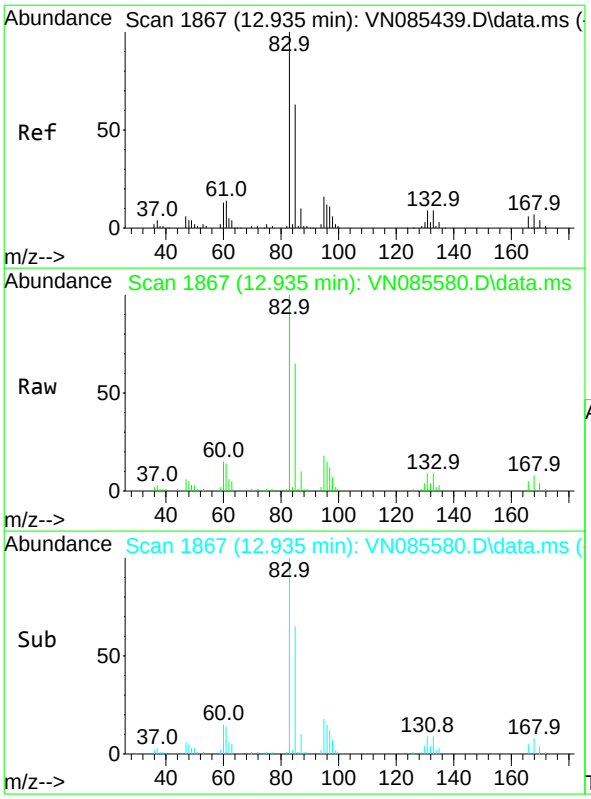


#74
N-amyl acetate
Concen: 21.460 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion: 43 Resp: 82716

Ion	Ratio	Lower	Upper
43	100		
70	41.5	34.0	51.0
55	28.0	21.4	32.2
61	22.6	19.0	28.4





#75
1,1,2,2-Tetrachloroethane
Concen: 21.453 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

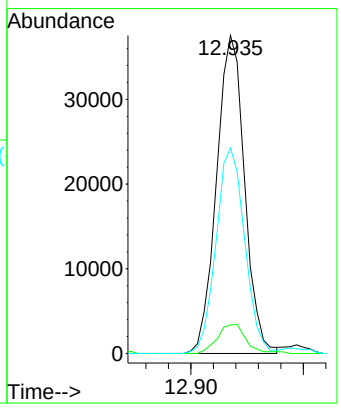
Tgt Ion: 83 Resp: 64983

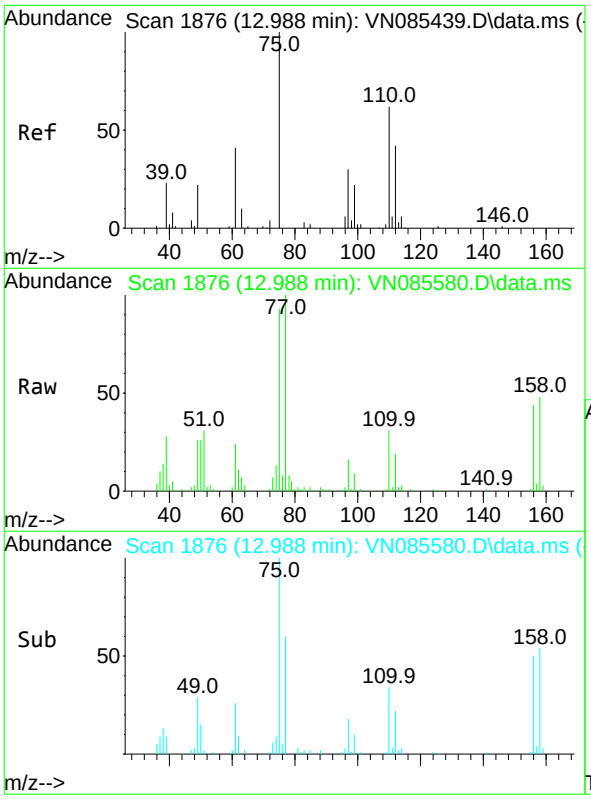
Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.8	14.4
85	66.0	32.2	96.6

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

Manual Integrations
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Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

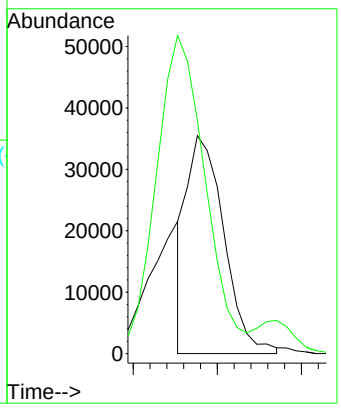


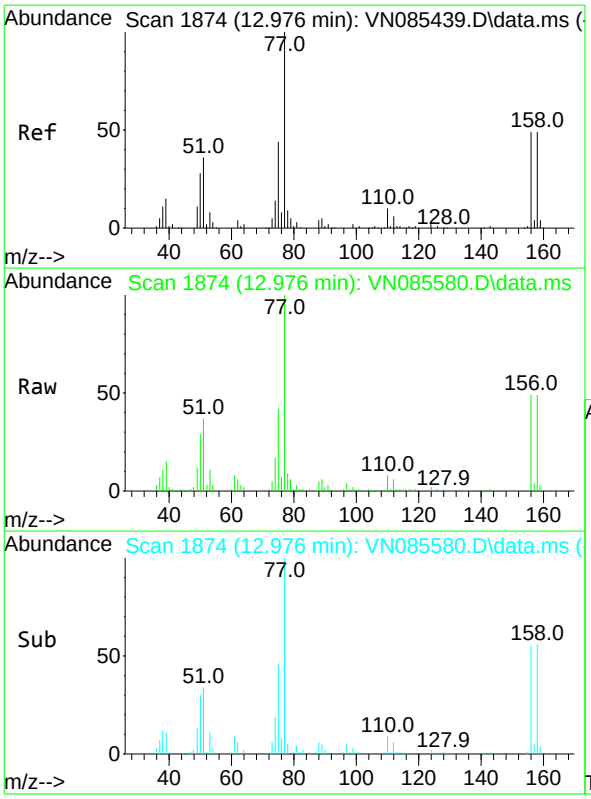


#76
1,2,3-Trichloropropane
Concen: 21.071 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion: 75 Resp: 54416

Ion	Ratio	Lower	Upper
75	100		
77	193.4	109.7	329.2

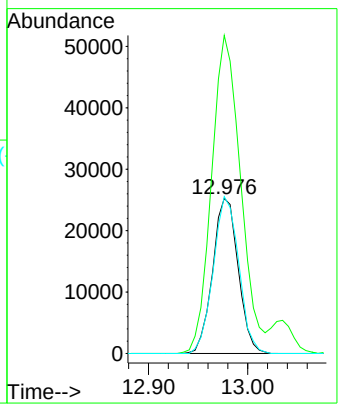




#77
Bromobenzene
Concen: 20.108 ug/l
RT: 12.976 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion:156 Resp: 45050

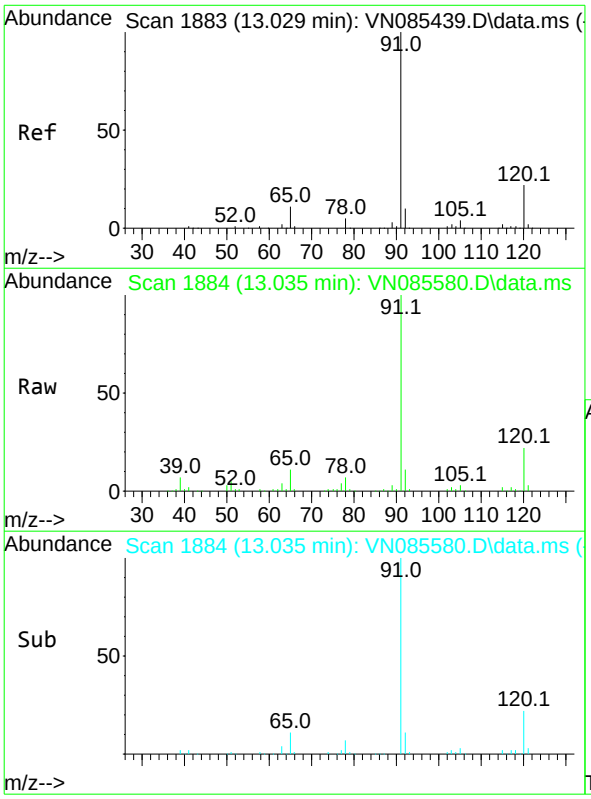
Ion	Ratio	Lower	Upper
156	100		
77	233.6	114.1	342.4
158	101.3	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

Manual Integrations
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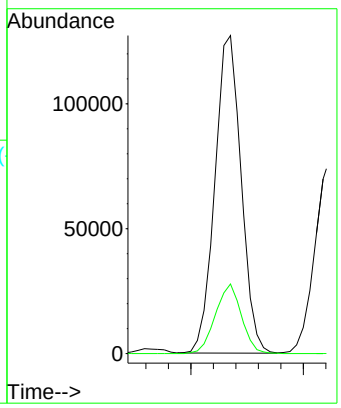
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

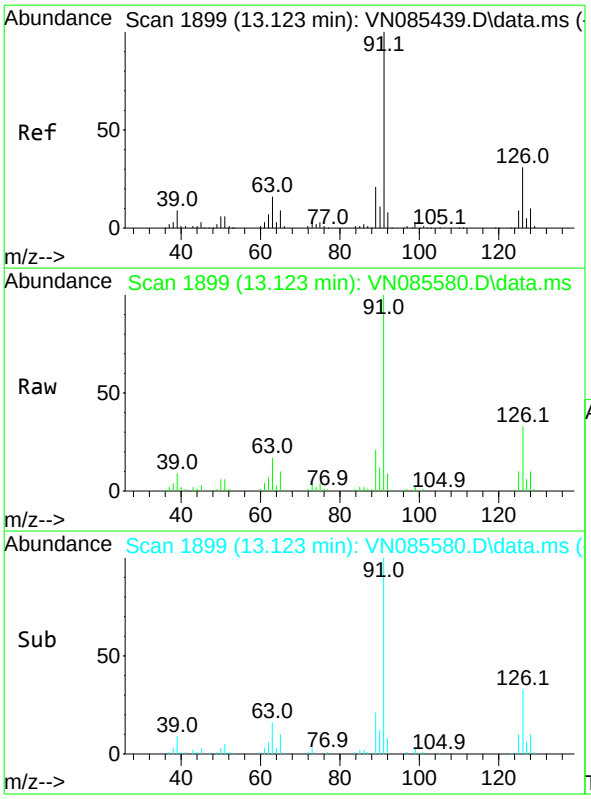


#78
n-propylbenzene
Concen: 20.312 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.006 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion: 91 Resp: 206197

Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.9	32.6





#79
2-Chlorotoluene
Concen: 20.273 ug/l
RT: 13.123 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

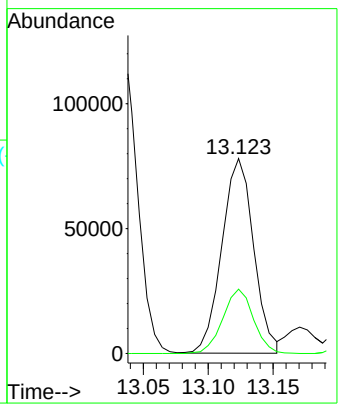
Tgt Ion: 91 Resp: 133194

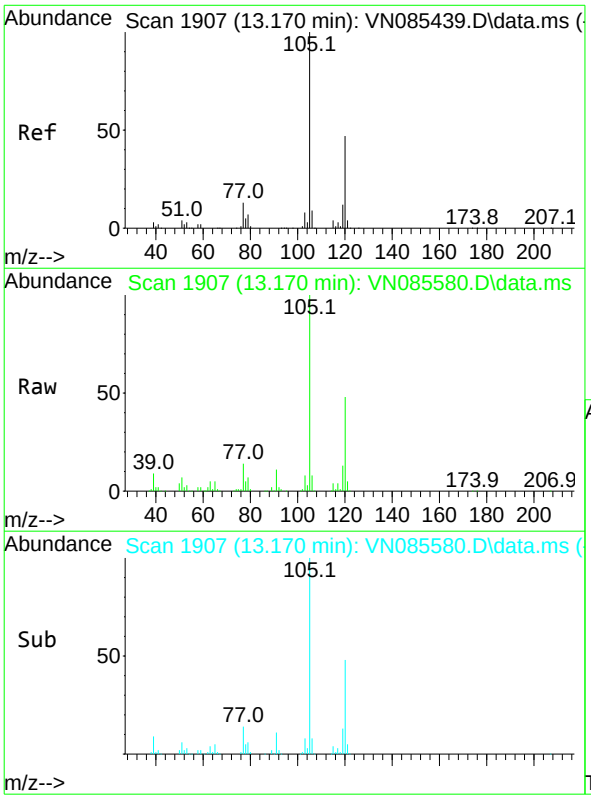
Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.7	47.1

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

Manual Integrations
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Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

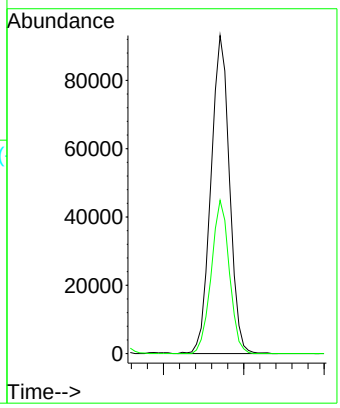


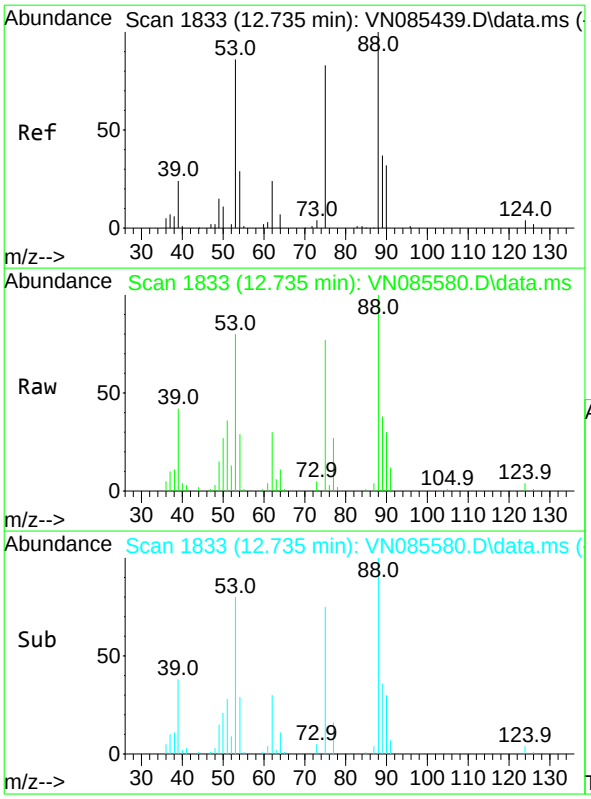


#80
1,3,5-Trimethylbenzene
Concen: 21.096 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion:105 Resp: 149427

Ion	Ratio	Lower	Upper
105	100		
120	46.9	23.9	71.7





#81
trans-1,4-Dichloro-2-butene
Concen: 21.660 ug/l
RT: 12.735 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

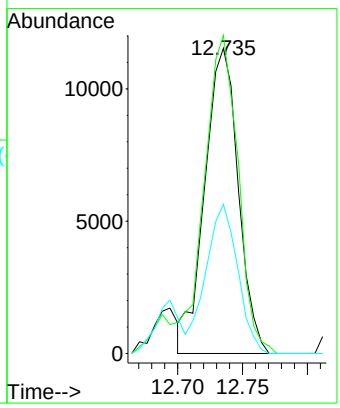
Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

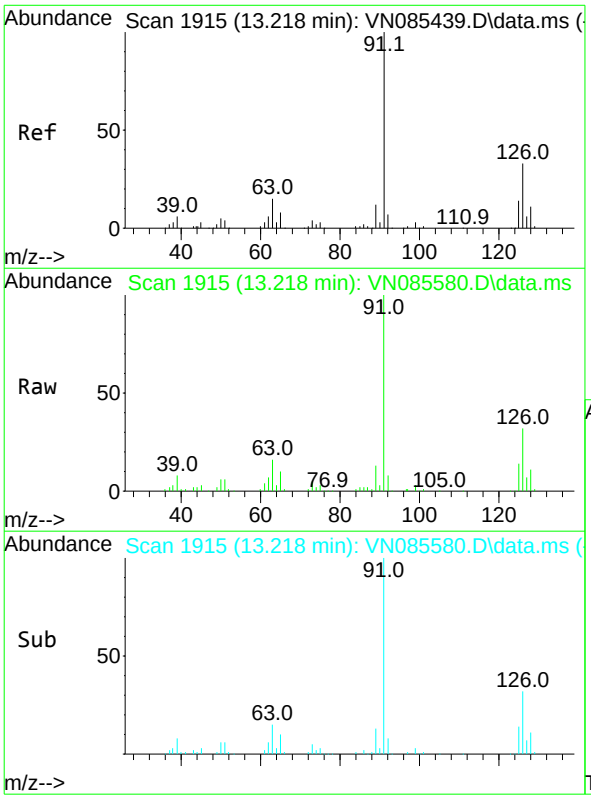
Tgt Ion: 75 Resp: 20674

Ion	Ratio	Lower	Upper
75	100		
53	106.1	95.6	143.4
89	46.5	37.0	55.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

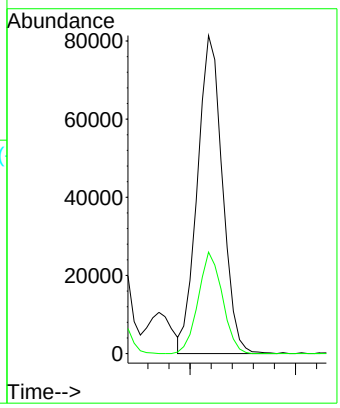


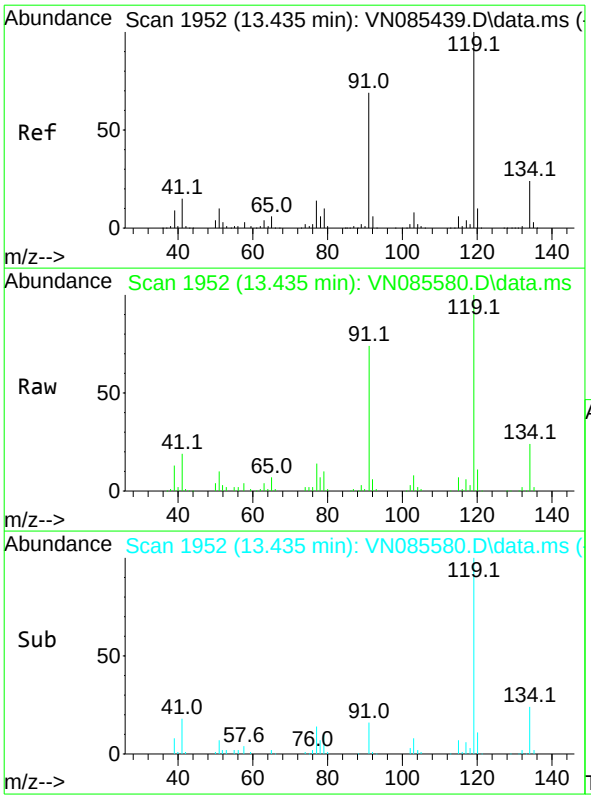


#82
4-Chlorotoluene
Concen: 20.474 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion: 91 Resp: 133935

Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.9	47.7

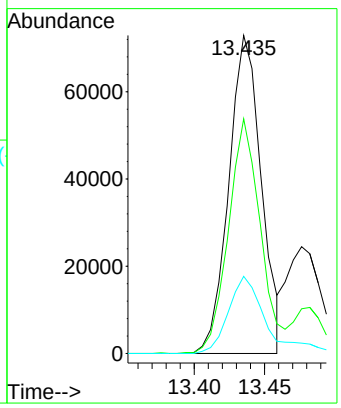




#83
tert-Butylbenzene
Concen: 19.713 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion:119 Resp: 117259

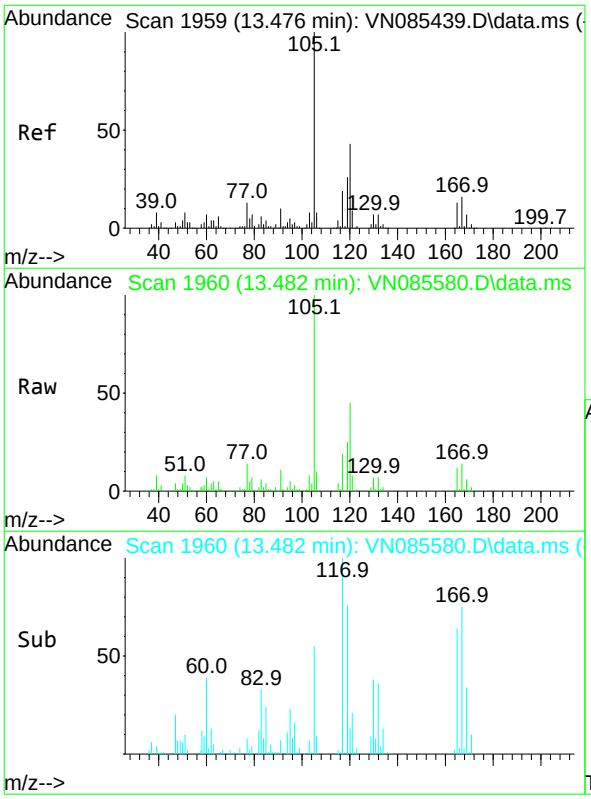
Ion	Ratio	Lower	Upper
119	100		
91	72.8	35.1	105.3
134	28.0	12.0	36.1



Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

Manual Integrations
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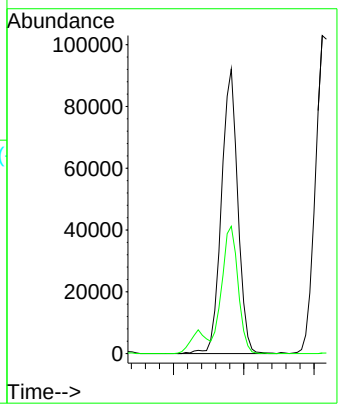
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

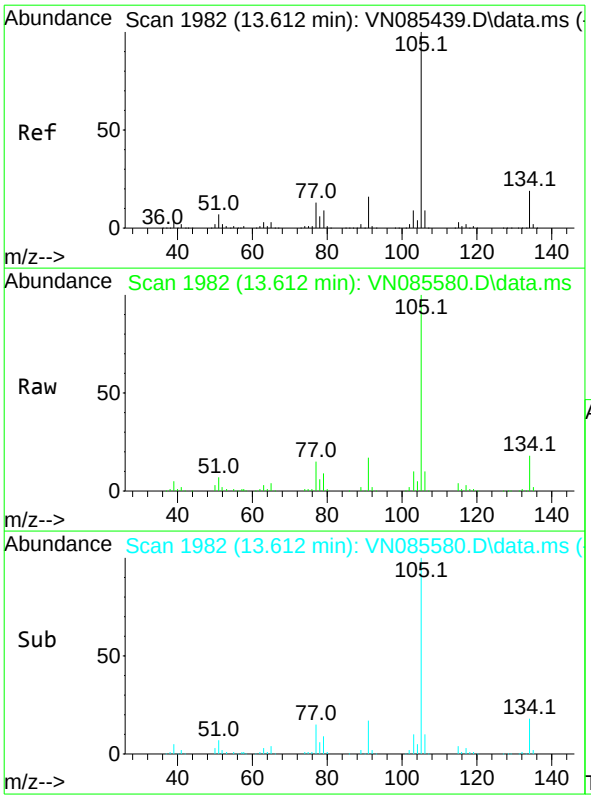


#84
1,2,4-Trimethylbenzene
Concen: 21.123 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion:105 Resp: 149125

Ion	Ratio	Lower	Upper
105	100		
120	44.4	21.6	65.0





#85
sec-Butylbenzene
Concen: 20.579 ug/l
RT: 13.612 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

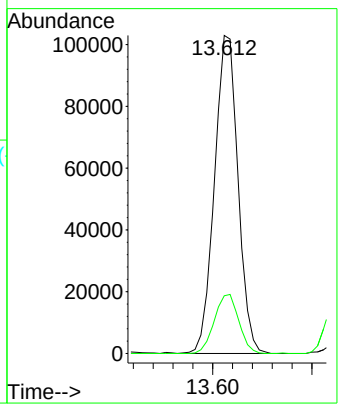
Tgt Ion:105 Resp: 169659

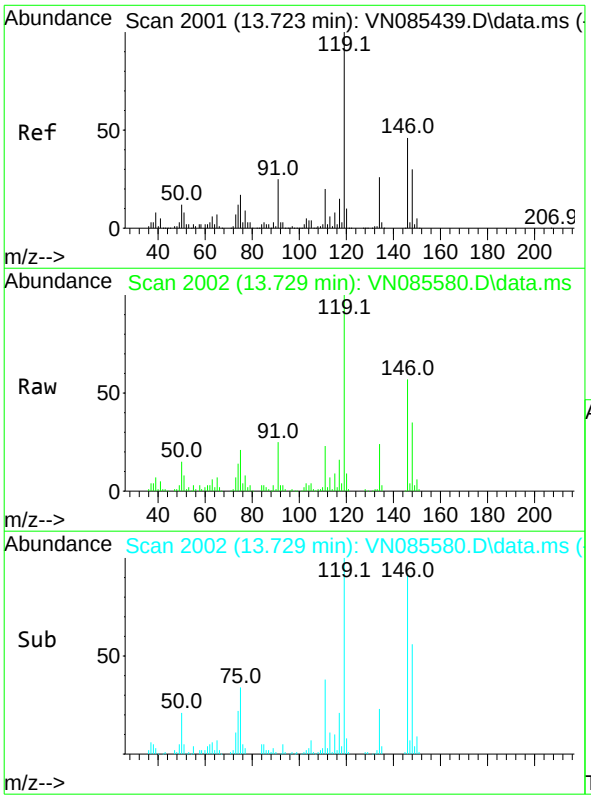
Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.7	28.9

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

Manual Integrations
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Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

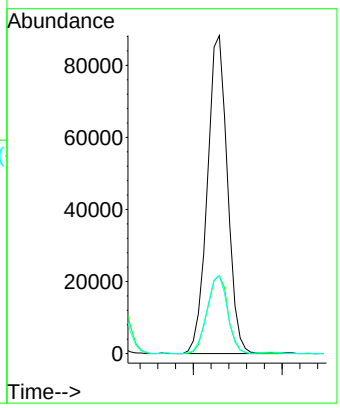


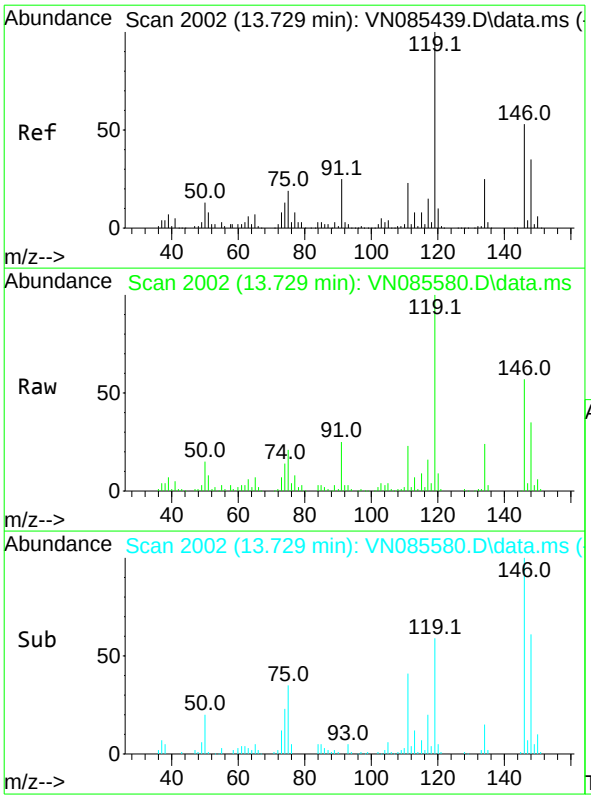


#86
p-Isopropyltoluene
Concen: 20.191 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion:119 Resp: 138811

Ion	Ratio	Lower	Upper
119	100		
134	24.9	12.7	38.0
91	25.0	12.7	38.1

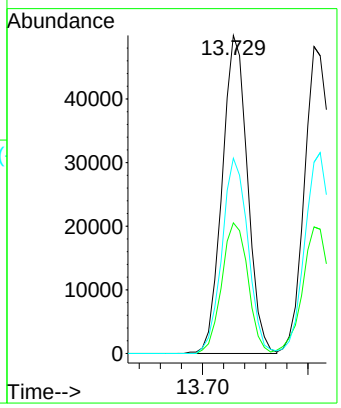




#87
1,3-Dichlorobenzene
Concen: 20.203 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion:146 Resp: 83358

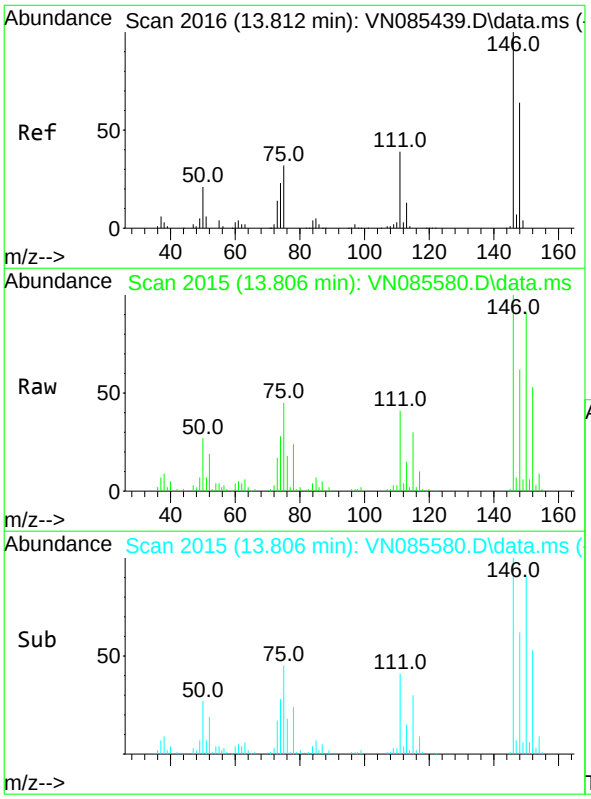
Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.4	64.3
148	63.1	32.3	96.9



Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

Manual Integrations
APPROVED

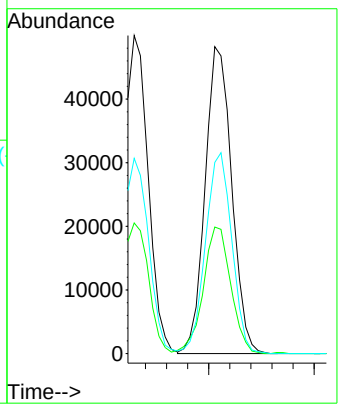
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

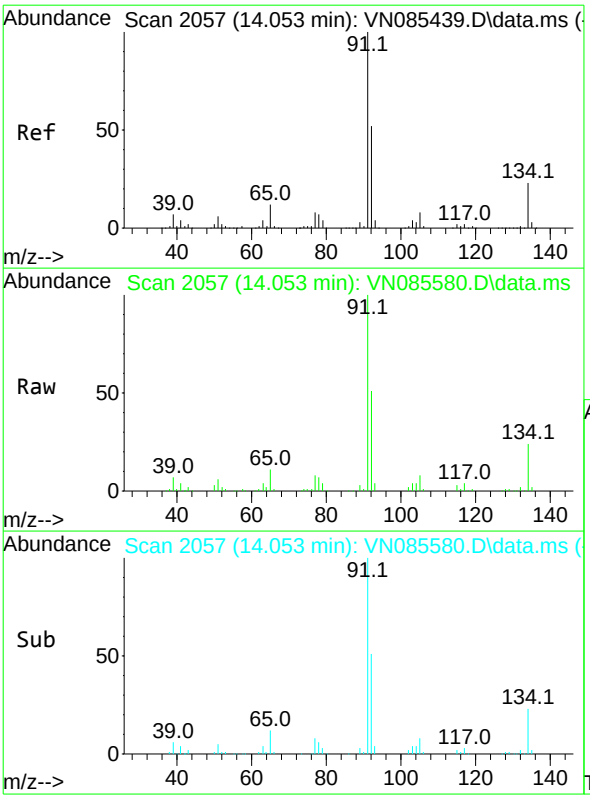


#88
1,4-Dichlorobenzene
Concen: 19.788 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. -0.006 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion:146 Resp: 84626

Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.3	63.7
148	64.8	32.4	97.0

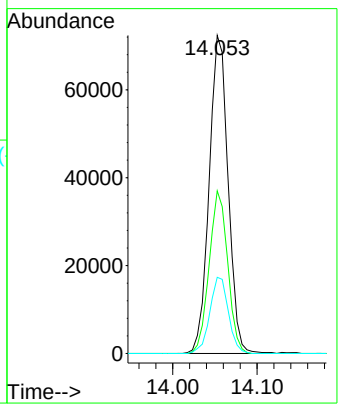




#89
n-Butylbenzene
Concen: 19.098 ug/l
RT: 14.053 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion: 91 Resp: 112956

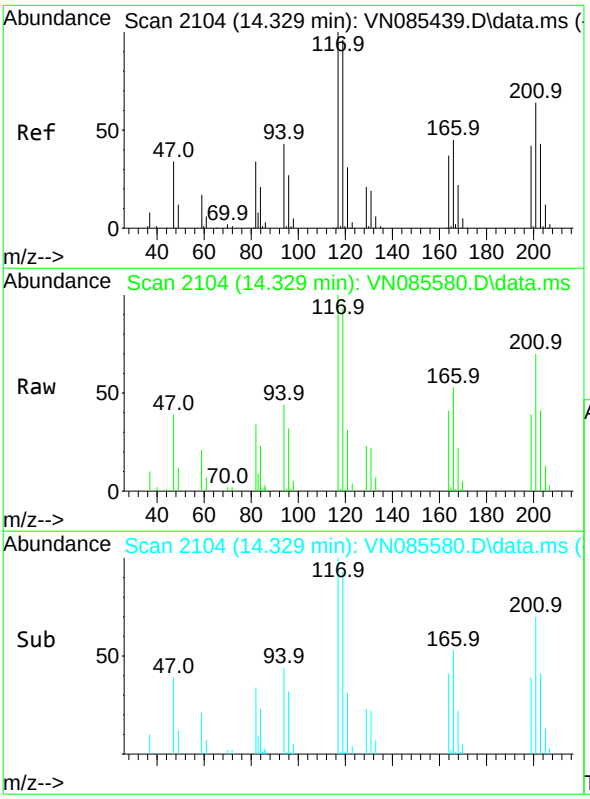
Ion	Ratio	Lower	Upper
91	100		
92	50.0	25.8	77.3
134	23.6	11.7	35.1



Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

Manual Integrations
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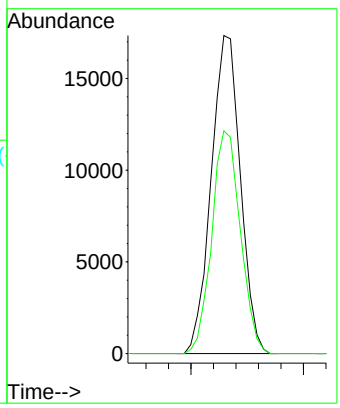
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

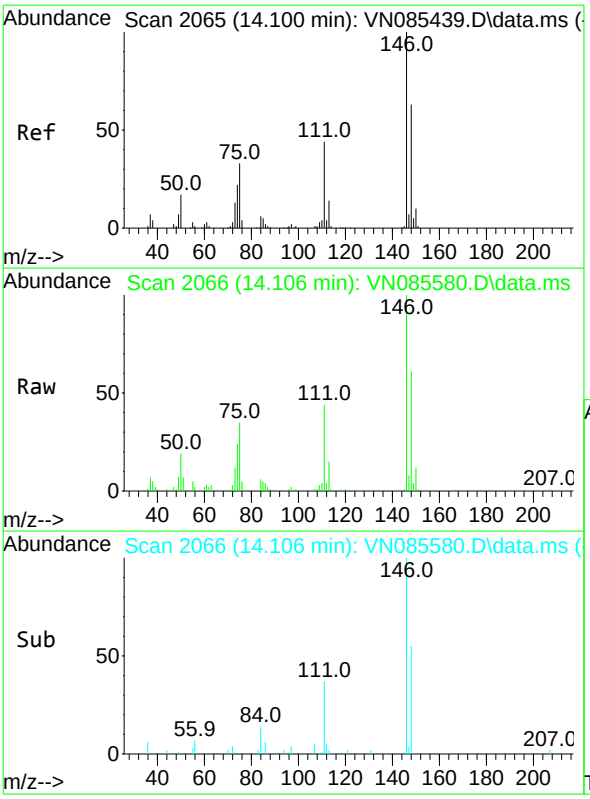


#90
Hexachloroethane
Concen: 19.933 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion:117 Resp: 31283

Ion	Ratio	Lower	Upper
117	100		
201	68.5	33.7	101.0

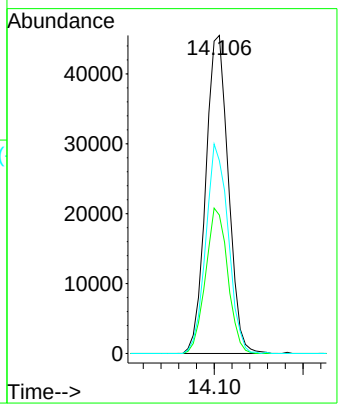




#91
1,2-Dichlorobenzene
Concen: 19.482 ug/l
RT: 14.106 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion:146 Resp: 80178

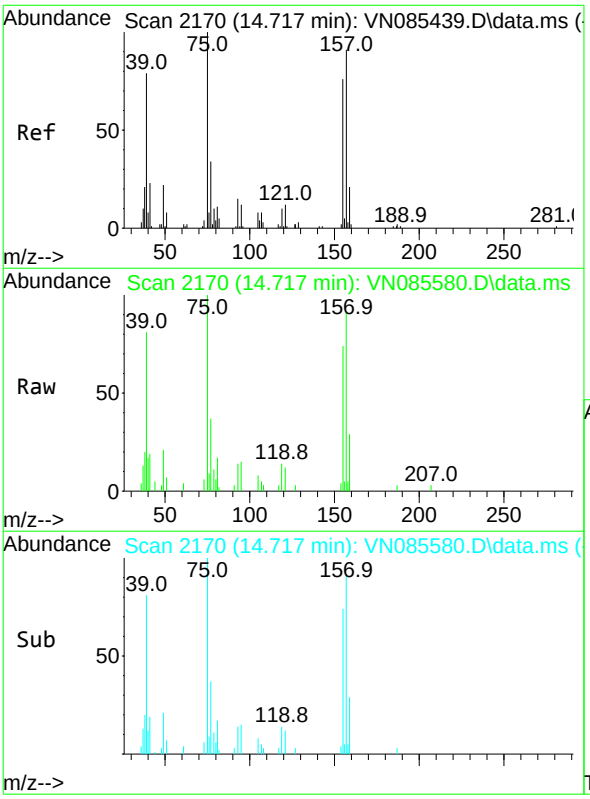
Ion	Ratio	Lower	Upper
146	100		
111	45.0	21.7	65.1
148	65.5	31.4	94.2



Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

Manual Integrations
APPROVED

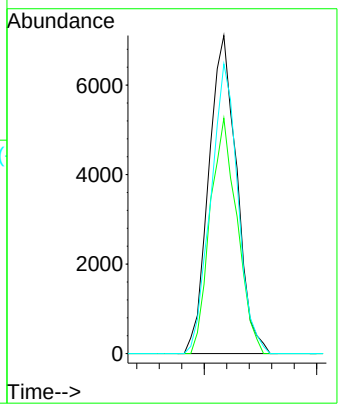
Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

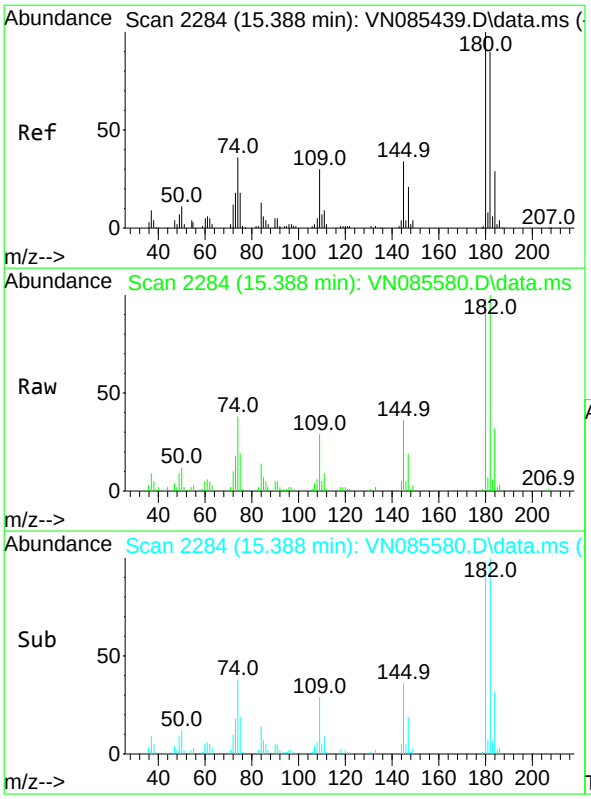


#92
1,2-Dibromo-3-Chloropropane
Concen: 22.240 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion: 75 Resp: 12302

Ion	Ratio	Lower	Upper
75	100		
155	71.2	36.4	109.2
157	88.2	45.4	136.1





#93
1,2,4-Trichlorobenzene
Concen: 18.710 ug/l
RT: 15.388 min Scan# 22
Delta R.T. 0.000 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

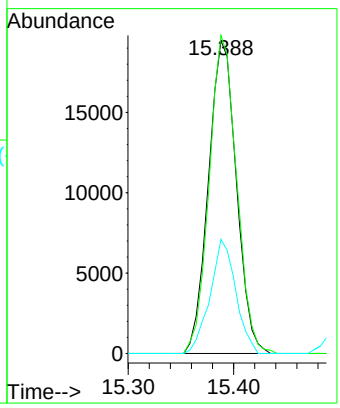
Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

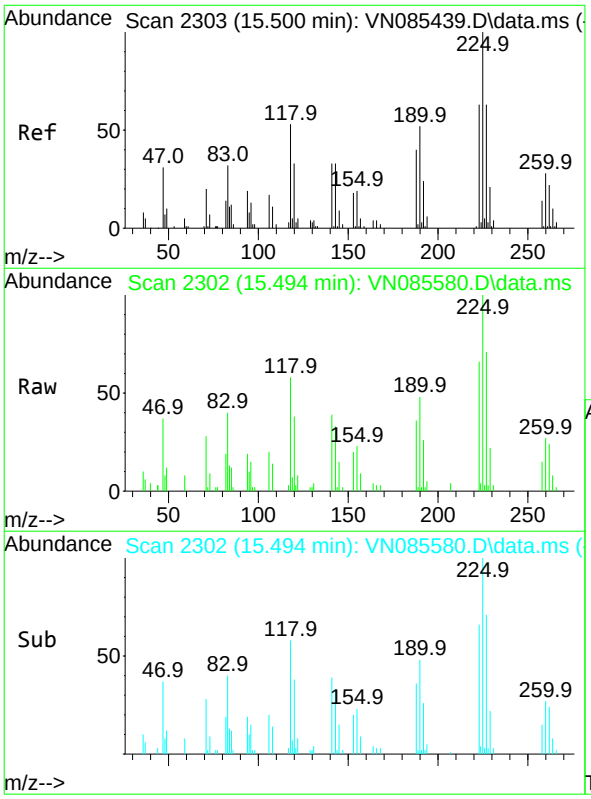
Tgt Ion:180 Resp: 35788

Ion	Ratio	Lower	Upper
180	100		
182	99.7	46.8	140.3
145	33.6	16.0	48.0

Manual Integrations
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Supervised By :Semsettin Yesilyurt 01/31/2025

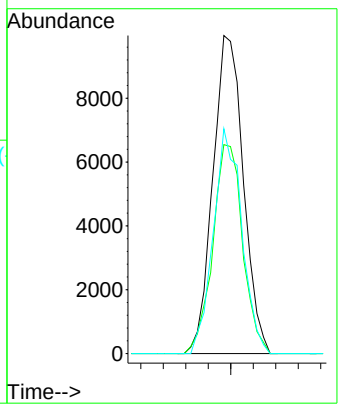


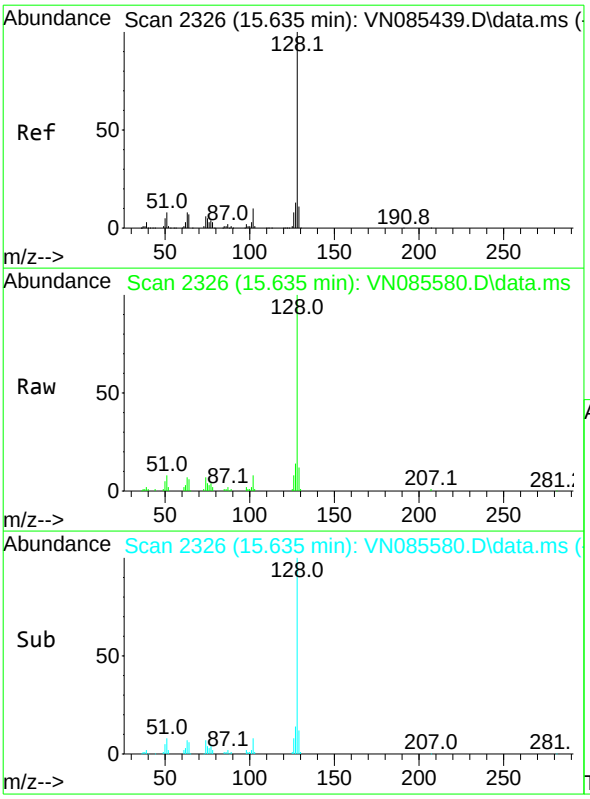


#94
Hexachlorobutadiene
Concen: 18.445 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion:225 Resp: 18731

Ion	Ratio	Lower	Upper
225	100		
223	64.4	30.7	92.1
227	65.8	30.9	92.5





#95
Naphthalene
Concen: 18.477 ug/l
RT: 15.635 min Scan# 23
Delta R.T. 0.000 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

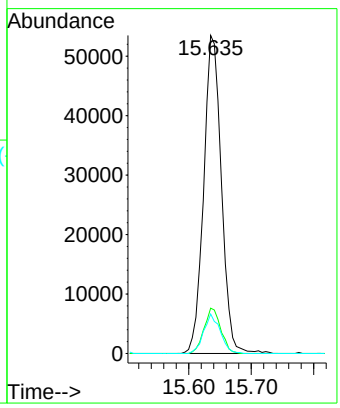
Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

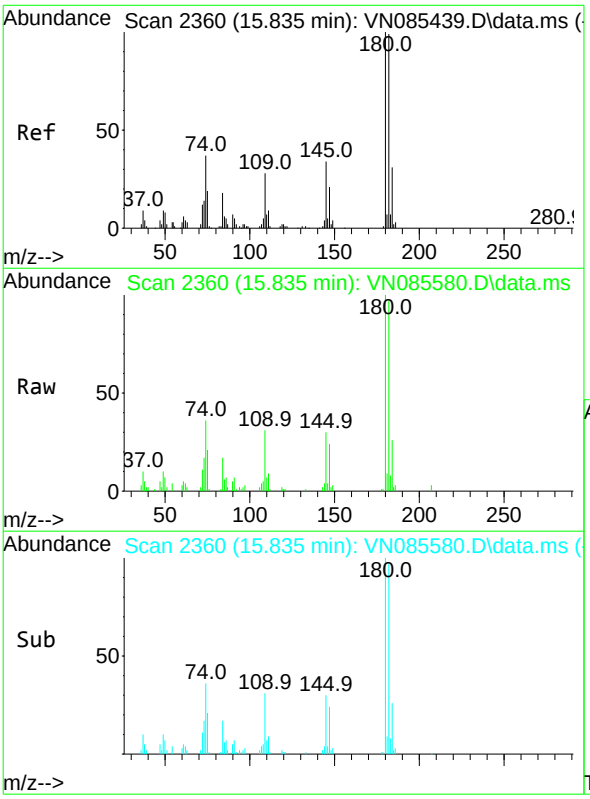
Tgt Ion:128 Resp: 105464

Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	16.0
129	11.6	8.8	13.2

Manual Integrations
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Reviewed By :John Carlone 01/31/2025
Supervised By :Semsettin Yesilyurt 01/31/2025

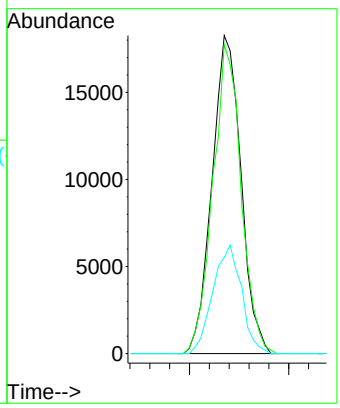




#96
1,2,3-Trichlorobenzene
Concen: 19.114 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN085580.D
Acq: 30 Jan 2025 15:30

Tgt Ion:180 Resp: 36995

Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.4	142.2
145	33.6	16.9	50.7



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Manual Integration Report

Sequence:	VN011425	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN085438.D	1,2,3-Trichloropropane	JOHN	1/15/2025 9:31:09 AM	MMDadoda	1/15/2025 12:55:19 PM	Peak Integrated by Software
VSTDICCC050	VN085439.D	1,2,3-Trichloropropane	JOHN	1/15/2025 9:31:14 AM	MMDadoda	1/15/2025 12:55:22 PM	Peak Integrated by Software
VSTDICC020	VN085440.D	1,2,3-Trichloropropane	JOHN	1/15/2025 9:31:19 AM	MMDadoda	1/15/2025 12:55:25 PM	Peak Integrated by Software
VSTDICC020	VN085440.D	trans-1,4-Dichloro-2-but ene	JOHN	1/15/2025 9:31:19 AM	MMDadoda	1/15/2025 12:55:25 PM	Peak Integrated by Software
VSTDICC020	VN085440.D	Vinyl Acetate	JOHN	1/15/2025 9:31:19 AM	MMDadoda	1/15/2025 12:55:25 PM	Peak Integrated by Software
VSTDICC010	VN085441.D	1,2,3-Trichloropropane	JOHN	1/15/2025 9:31:23 AM	MMDadoda	1/15/2025 12:55:29 PM	Peak Integrated by Software
VSTDICC005	VN085442.D	1,2,3-Trichloropropane	JOHN	1/15/2025 9:31:28 AM	MMDadoda	1/15/2025 12:55:34 PM	Peak Integrated by Software
VSTDICC005	VN085442.D	Ethyl Acetate	JOHN	1/15/2025 9:31:28 AM	MMDadoda	1/15/2025 12:55:34 PM	Peak Integrated by Software
VSTDICC005	VN085442.D	Vinyl Acetate	JOHN	1/15/2025 9:31:28 AM	MMDadoda	1/15/2025 12:55:34 PM	Peak Integrated by Software
VSTDICC001	VN085443.D	1,1,2-Trichlorotrifluoroet hane	JOHN	1/15/2025 9:31:32 AM	MMDadoda	1/15/2025 12:55:39 PM	Peak Integrated by Software
VSTDICC001	VN085443.D	1,1-Dichloroethane	JOHN	1/15/2025 9:31:32 AM	MMDadoda	1/15/2025 12:55:39 PM	Peak Integrated by Software
VSTDICC001	VN085443.D	1,2,3-Trichloropropane	JOHN	1/15/2025 9:31:32 AM	MMDadoda	1/15/2025 12:55:39 PM	Peak Integrated by Software
VSTDICC001	VN085443.D	1,4-Dichlorobenzene	JOHN	1/15/2025 9:31:32 AM	MMDadoda	1/15/2025 12:55:39 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN011425	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN085443.D	2-Butanone	JOHN	1/15/2025 9:31:32 AM	MMDadoda	1/15/2025 12:55:39 PM	Peak Integrated by Software
VSTDICC001	VN085443.D	Ethyl Acetate	JOHN	1/15/2025 9:31:32 AM	MMDadoda	1/15/2025 12:55:39 PM	Peak Integrated by Software
VSTDICC001	VN085443.D	Vinyl Acetate	JOHN	1/15/2025 9:31:32 AM	MMDadoda	1/15/2025 12:55:39 PM	Peak Integrated by Software
VSTDICV050	VN085445.D	1,2,3-Trichloropropane	JOHN	1/15/2025 9:31:37 AM	MMDadoda	1/15/2025 12:55:43 PM	Peak Integrated by Software
VSTDICV050	VN085445.D	trans-1,4-Dichloro-2-but ene	JOHN	1/15/2025 9:31:37 AM	MMDadoda	1/15/2025 12:55:43 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN013025	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN085576.D	1,2,3-Trichloropropane	JOHN	1/31/2025 9:12:21 AM	SAM	1/31/2025 12:26:09 PM	Peak Integrated by Software
VN0130WBS01	VN085579.D	1,2,3-Trichloropropane	JOHN	1/31/2025 9:12:25 AM	SAM	1/31/2025 12:26:11 PM	Peak Integrated by Software
VN0130WBSD01	VN085580.D	1,2,3-Trichloropropane	JOHN	1/31/2025 9:12:29 AM	SAM	1/31/2025 12:26:12 PM	Peak Integrated by Software
VSTDCCC050	VN085589.D	1,2,3-Trichloropropane	JOHN	1/31/2025 9:12:42 AM	SAM	1/31/2025 12:26:18 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN013125	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN085591.D	1,2,3-Trichloropropane	MMDADODA	2/3/2025 7:21:19 AM	SAM	2/3/2025 7:23:17 AM	Peak Integrated by Software
VN0131WBS01	VN085593.D	1,2,3-Trichloropropane	MMDADODA	2/3/2025 7:21:22 AM	SAM	2/3/2025 7:23:19 AM	Peak Integrated by Software
VSTDCCC050	VN085615.D	1,2,3-Trichloropropane	MMDADODA	2/3/2025 7:21:24 AM	SAM	2/3/2025 7:23:22 AM	Peak Integrated by Software
VSTDCCC050	VN085615.D	Isopropyl Acetate	MMDADODA	2/3/2025 7:21:24 AM	SAM	2/3/2025 7:23:22 AM	Peak Integrated by Software

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN011425

Review By	John Carlone	Review On	1/15/2025 9:31:51 AM				
Supervise By	Mahesh Dadoda	Supervise On	1/15/2025 12:55:51 PM				
SubDirectory	VN011425	HP Acquire Method	MSVOA_N		HP Processing Method	82N011425W.M	

STD. NAME	STD REF.#
Tune/Reschk	VP132529
Initial Calibration Stds	VP132530,VP132531,VP132532,VP132533,VP132534,VP132535
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP132544
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN085437.D	14 Jan 2025 14:22	JC\MD	Ok
2	VSTDICC100	VN085438.D	14 Jan 2025 14:56	JC\MD	Ok,M
3	VSTDICCC050	VN085439.D	14 Jan 2025 15:19	JC\MD	Ok,M
4	VSTDICC020	VN085440.D	14 Jan 2025 15:43	JC\MD	Ok,M
5	VSTDICC010	VN085441.D	14 Jan 2025 16:07	JC\MD	Ok,M
6	VSTDICC005	VN085442.D	14 Jan 2025 16:31	JC\MD	Ok,M
7	VSTDICC001	VN085443.D	14 Jan 2025 17:19	JC\MD	Ok,M
8	IBLK	VN085444.D	14 Jan 2025 17:42	JC\MD	Ok
9	VSTDICV050	VN085445.D	14 Jan 2025 18:06	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN013025

Review By	John Carlone	Review On	1/31/2025 9:14:48 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	1/31/2025 12:26:22 PM		
SubDirectory	VN013025	HP Acquire Method		HP Processing Method	82N011425W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132773
Initial Calibration Stds	
CCC	VP132774,VP132775
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN085575.D	30 Jan 2025 12:21	JC\MD	Ok
2	VSTDCCC050	VN085576.D	30 Jan 2025 13:08	JC\MD	Ok,M
3	VN0130MBL01	VN085577.D	30 Jan 2025 14:08	JC\MD	Ok
4	VN0130WBL01	VN085578.D	30 Jan 2025 14:32	JC\MD	Ok
5	VN0130WBS01	VN085579.D	30 Jan 2025 14:56	JC\MD	Ok,M
6	VN0130WBSD01	VN085580.D	30 Jan 2025 15:30	JC\MD	Ok,M
7	IBLK	VN085581.D	30 Jan 2025 15:54	JC\MD	Ok
8	Q1211-03	VN085582.D	30 Jan 2025 16:18	JC\MD	Ok
9	Q1211-01	VN085583.D	30 Jan 2025 16:42	JC\MD	Ok
10	Q1211-02	VN085584.D	30 Jan 2025 17:06	JC\MD	ReRun
11	VN0130MBS01	VN085585.D	30 Jan 2025 17:30	JC\MD	Not Ok
12	VN0130MBS02	VN085586.D	30 Jan 2025 17:54	JC\MD	Ok,M
13	Q1218-01	VN085587.D	30 Jan 2025 18:18	JC\MD	Ok
14	Q1219-01	VN085588.D	30 Jan 2025 18:42	JC\MD	Not Ok
15	VSTDCCC050	VN085589.D	30 Jan 2025 19:06	JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN013125

Review By	Mahesh Dadoda	Review On	2/3/2025 7:21:29 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	2/3/2025 7:23:27 AM		
SubDirectory	VN013125	HP Acquire Method		HP Processing Method	82N011425W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132796,VP132802
Initial Calibration Stds	
CCC	VP132797,VP132898,VP132803,VP132804
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN085590.D	31 Jan 2025 09:30	JC\MD	Ok
2	VSTDCCC050	VN085591.D	31 Jan 2025 10:04	JC\MD	Ok,M
3	VN0131WBL01	VN085592.D	31 Jan 2025 10:42	JC\MD	Ok
4	VN0131WBS01	VN085593.D	31 Jan 2025 11:06	JC\MD	Ok,M
5	VN0131WBSD01	VN085594.D	31 Jan 2025 11:39	JC\MD	Ok,M
6	Q1211-02RE	VN085595.D	31 Jan 2025 12:03	JC\MD	Confirms
7	IBLK	VN085596.D	31 Jan 2025 12:51	JC\MD	Ok
8	PB166357ZHE#02	VN085597.D	31 Jan 2025 13:15	JC\MD	Ok
9	PB166357ZHE#03	VN085598.D	31 Jan 2025 13:39	JC\MD	Ok
10	PB166357ZHE#04	VN085599.D	31 Jan 2025 14:03	JC\MD	Ok
11	PB166357ZHE#05	VN085600.D	31 Jan 2025 14:27	JC\MD	Ok
12	PB166357ZHE#06	VN085601.D	31 Jan 2025 14:51	JC\MD	Ok
13	PB166357ZHE#07	VN085602.D	31 Jan 2025 15:15	JC\MD	Ok
14	PB166357ZHE#08	VN085603.D	31 Jan 2025 15:39	JC\MD	Ok
15	PB166357ZHE#09	VN085604.D	31 Jan 2025 16:04	JC\MD	Ok
16	PB166357ZHE#10	VN085605.D	31 Jan 2025 16:28	JC\MD	Ok
17	PB166357ZHE#11	VN085606.D	31 Jan 2025 16:52	JC\MD	Ok
18	PB166357ZHE#12	VN085607.D	31 Jan 2025 17:16	JC\MD	Ok
19	PB166357ZHE#13	VN085608.D	31 Jan 2025 17:40	JC\MD	Ok
20	PB166357ZHE#14	VN085609.D	31 Jan 2025 18:04	JC\MD	Ok
21	PB166357ZHE#15	VN085610.D	31 Jan 2025 18:28	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN013125

Review By	Mahesh Dadoda	Review On	2/3/2025 7:21:29 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	2/3/2025 7:23:27 AM		
SubDirectory	VN013125	HP Acquire Method		HP Processing Method	82N011425W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132796,VP132802
Initial Calibration Stds	
CCC	VP132797,VP132898,VP132803,VP132804
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PB166357ZHE#16	VN085611.D	31 Jan 2025 18:53	JC\MD	Ok
23	PB166357ZHE#17	VN085612.D	31 Jan 2025 19:17	JC\MD	Ok
24	PB166357ZHE#01	VN085613.D	31 Jan 2025 19:41	JC\MD	Ok
25	Q1215-02	VN085614.D	31 Jan 2025 20:05	JC\MD	Ok
26	VSTDCCC050	VN085615.D	31 Jan 2025 20:29	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN011425

Review By	John Carlone	Review On	1/15/2025 9:31:51 AM		
Supervise By	Mahesh Dadoda	Supervise On	1/15/2025 12:55:51 PM		
SubDirectory	VN011425	HP Acquire Method	MSVOA_N	HP Processing Method	82N011425W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132529
Initial Calibration Stds	VP132530,VP132531,VP132532,VP132533,VP132534,VP132535
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP132544
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN085437.D	14 Jan 2025 14:22		JC\MD	Ok
2	VSTDICC100	VSTDICC100	VN085438.D	14 Jan 2025 14:56		JC\MD	Ok,M
3	VSTDICCC050	VSTDICCC050	VN085439.D	14 Jan 2025 15:19	Comp.#56 is on Linear Regression	JC\MD	Ok,M
4	VSTDICC020	VSTDICC020	VN085440.D	14 Jan 2025 15:43	Comp.#86 is on Quadratic Regression	JC\MD	Ok,M
5	VSTDICC010	VSTDICC010	VN085441.D	14 Jan 2025 16:07		JC\MD	Ok,M
6	VSTDICC005	VSTDICC005	VN085442.D	14 Jan 2025 16:31		JC\MD	Ok,M
7	VSTDICC001	VSTDICC001	VN085443.D	14 Jan 2025 17:19		JC\MD	Ok,M
8	IBLK	IBLK	VN085444.D	14 Jan 2025 17:42		JC\MD	Ok
9	VSTDICV050	ICVVN011425	VN085445.D	14 Jan 2025 18:06		JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN013025

Review By	John Carlone	Review On	1/31/2025 9:14:48 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	1/31/2025 12:26:22 PM		
SubDirectory	VN013025	HP Acquire Method		HP Processing Method	82N011425W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132773
Initial Calibration Stds	
CCC	VP132774,VP132775
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	VN085575.D	30 Jan 2025 12:21		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN085576.D	30 Jan 2025 13:08	V13516	JC\MD	Ok,M
3	VN0130MBL01	VN0130MBL01	VN085577.D	30 Jan 2025 14:08		JC\MD	Ok
4	VN0130WBL01	VN0130WBL01	VN085578.D	30 Jan 2025 14:32		JC\MD	Ok
5	VN0130WBS01	VN0130WBS01	VN085579.D	30 Jan 2025 14:56		JC\MD	Ok,M
6	VN0130WBSD01	VN0130WBSD01	VN085580.D	30 Jan 2025 15:30		JC\MD	Ok,M
7	IBLK	IBLK	VN085581.D	30 Jan 2025 15:54		JC\MD	Ok
8	Q1211-03	TAP-TB-02-012825-T4	VN085582.D	30 Jan 2025 16:18	vial A pH<2 TB	JC\MD	Ok
9	Q1211-01	TAPHHA-MW01-01282	VN085583.D	30 Jan 2025 16:42	vial A pH<2	JC\MD	Ok
10	Q1211-02	TAPIAL2-MW03-01282	VN085584.D	30 Jan 2025 17:06	vial A pH<2 Surrogate Fail	JC\MD	ReRun
11	VN0130MBS01	VN0130MBS01	VN085585.D	30 Jan 2025 17:30	Recovery Fail	JC\MD	Not Ok
12	VN0130MBS02	VN0130MBS02	VN085586.D	30 Jan 2025 17:54		JC\MD	Ok,M
13	Q1218-01	BELL-25-002	VN085587.D	30 Jan 2025 18:18		JC\MD	Ok
14	Q1219-01	LAW-25-0015	VN085588.D	30 Jan 2025 18:42	run straight	JC\MD	Not Ok
15	VSTDCCC050	VSTDCCC050EC	VN085589.D	30 Jan 2025 19:06		JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN013125

Review By	Mahesh Dadoda	Review On	2/3/2025 7:21:29 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	2/3/2025 7:23:27 AM		
SubDirectory	VN013125	HP Acquire Method		HP Processing Method	82N011425W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132796,VP132802
Initial Calibration Stds	
CCC	VP132797,VP132898,VP132803,VP132804
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	VN085590.D	31 Jan 2025 09:30		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN085591.D	31 Jan 2025 10:04	CCAL Low for com.#17	JC\MD	Ok,M
3	VN0131WBL01	VN0131WBL01	VN085592.D	31 Jan 2025 10:42		JC\MD	Ok
4	VN0131WBS01	VN0131WBS01	VN085593.D	31 Jan 2025 11:06		JC\MD	Ok,M
5	VN0131WBSD01	VN0131WBSD01	VN085594.D	31 Jan 2025 11:39		JC\MD	Ok,M
6	Q1211-02RE	TAPIAL2-MW03-01282	VN085595.D	31 Jan 2025 12:03	vial B pH<2	JC\MD	Confirms
7	IBLK	IBLK	VN085596.D	31 Jan 2025 12:51		JC\MD	Ok
8	PB166357ZHE#02	PB166357ZHE#02	VN085597.D	31 Jan 2025 13:15		JC\MD	Ok
9	PB166357ZHE#03	PB166357ZHE#03	VN085598.D	31 Jan 2025 13:39		JC\MD	Ok
10	PB166357ZHE#04	PB166357ZHE#04	VN085599.D	31 Jan 2025 14:03		JC\MD	Ok
11	PB166357ZHE#05	PB166357ZHE#05	VN085600.D	31 Jan 2025 14:27		JC\MD	Ok
12	PB166357ZHE#06	PB166357ZHE#06	VN085601.D	31 Jan 2025 14:51		JC\MD	Ok
13	PB166357ZHE#07	PB166357ZHE#07	VN085602.D	31 Jan 2025 15:15		JC\MD	Ok
14	PB166357ZHE#08	PB166357ZHE#08	VN085603.D	31 Jan 2025 15:39		JC\MD	Ok
15	PB166357ZHE#09	PB166357ZHE#09	VN085604.D	31 Jan 2025 16:04		JC\MD	Ok
16	PB166357ZHE#10	PB166357ZHE#10	VN085605.D	31 Jan 2025 16:28		JC\MD	Ok
17	PB166357ZHE#11	PB166357ZHE#11	VN085606.D	31 Jan 2025 16:52		JC\MD	Ok
18	PB166357ZHE#12	PB166357ZHE#12	VN085607.D	31 Jan 2025 17:16		JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN013125

Review By	Mahesh Dadoda	Review On	2/3/2025 7:21:29 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	2/3/2025 7:23:27 AM		
SubDirectory	VN013125	HP Acquire Method		HP Processing Method	82N011425W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132796,VP132802
Initial Calibration Stds	
CCC	VP132797,VP132898,VP132803,VP132804
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	PB166357ZHE#13	PB166357ZHE#13	VN085608.D	31 Jan 2025 17:40		JC\MD	Ok
20	PB166357ZHE#14	PB166357ZHE#14	VN085609.D	31 Jan 2025 18:04		JC\MD	Ok
21	PB166357ZHE#15	PB166357ZHE#15	VN085610.D	31 Jan 2025 18:28		JC\MD	Ok
22	PB166357ZHE#16	PB166357ZHE#16	VN085611.D	31 Jan 2025 18:53		JC\MD	Ok
23	PB166357ZHE#17	PB166357ZHE#17	VN085612.D	31 Jan 2025 19:17		JC\MD	Ok
24	PB166357ZHE#01	PB166357ZHE#01	VN085613.D	31 Jan 2025 19:41		JC\MD	Ok
25	Q1215-02	JPP-29.1-012825	VN085614.D	31 Jan 2025 20:05	vial A pH#5.0	JC\MD	Ok
26	VSTDCCC050	VSTDCCC050EC	VN085615.D	31 Jan 2025 20:29		JC\MD	Ok,M

M : Manual Integration

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Prep Standard - Chemical Standard Summary

Order ID : Q1211

Test : VOC-TCLVOA-10

Prepbatch ID :

Sequence ID/Qc Batch ID: VN013025,VN013125,

Standard ID :
VP130430,VP131746,VP131767,VP132035,VP132096,VP132468,VP132613,VP132692,VP132711,VP132773,VP132774,VP132775,VP132796,VP132797,VP132802,VP132803,VP132804,VP132819,VP132898,

Chemical ID :
V13391,V13440,V13446,V13457,V13460,V13465,V13466,V13707,V13845,V13858,V14081,V14145,V14154,V14175,V14176,V14289,V14308,V14352,V14433,V14439,V14454,V14521,V14522,V14554,V14605,V14607,V14610,V14611,V14614,V14624,V14627,V14630,V14631,V14632,V14633,V14722,V14723,V14724,V14726,V14753,V14754,V14756,V14801,V14814,V14830,V14831,V14832,W3112,

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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

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
218	BFB, 25PPM	VP131767	11/22/2024	05/18/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/27/2024

FROM 0.50000ml of V13391 + 49.50000ml of V14154 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
719	8260 Working STD (BCM)-First source, 400PPM	VP132096	12/12/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/19/2024

FROM 1.00000ml of V13465 + 1.00000ml of V13466 + 1.50000ml of V13457 + 1.50000ml of V13460 + 20.00000ml of V14614 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
51	8260 Working STD (Acrolein) -first source, 800PPM	VP132468	01/08/2025	02/07/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 01/17/2025

FROM 1.00000ml of V14832 + 1.50000ml of V14830 + 1.50000ml of V14831 + 21.00000ml of V14627 = Final Quantity: 25.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
257	8260 Calibration Working STD Mix-First source, 160PPM	VP132613	01/20/2025	02/28/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 01/29/2025

FROM 0.40000ml of V13446 + 1.00000ml of V14175 + 1.00000ml of V14176 + 1.00000ml of V14433 + 1.00000ml of V14439 + 1.00000ml of V14521 + 1.00000ml of V14522 + 1.00000ml of V14722 + 1.00000ml of V14754 + 1.00000ml of V14756 + 1.00000ml of V14801 + 1.00000ml of V14814 + 1.50000ml of V14723 + 1.50000ml of V14724 + 10.60000ml of V14624 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1896	Trace internal standard 50 ppm	VP132692	01/27/2025	03/01/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 01/29/2025

FROM 0.20000ml of V14352 + 9.80000ml of V14624 = Final Quantity: 10.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1897	Trace surrogate mix 25 ppm	VP132711	01/27/2025	03/01/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 01/29/2025

FROM 0.50000ml of V14454 + 0.50000ml of V14611 + 1.50000ml of V14605 + 1.50000ml of V14607 + 1.50000ml of V14610 + 4.50000ml of V14624 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP132773	01/30/2025	01/31/2025	John Carlone	None	None	Semsettin Yesilyurt 02/03/2025

FROM 39.98400ml of W3112 + 0.01600ml of VP131767 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP132774	01/30/2025	01/31/2025	John Carlone	None	None	Semsettin Yesilyurt 02/03/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP130430 + 0.00500ml of VP132096 + 0.00800ml of VP131746 + 0.01250ml of VP132035 + 0.01250ml of VP132468 + 0.01250ml of VP132613 = 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	VP132775	01/30/2025	01/31/2025	John Carlone	None	None	Semsettin Yesilyurt 02/03/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP130430 + 0.00500ml of VP132096 + 0.00800ml of VP131746 + 0.01250ml of VP132035 + 0.01250ml of VP132468 + 0.01250ml of VP132613 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP132796	01/31/2025	02/01/2025	John Carlone	None	None	Semsettin Yesilyurt 02/03/2025

FROM 39.98400ml of W3112 + 0.01600ml of VP131767 = 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	VP132797	01/31/2025	02/01/2025	John Carlone	None	None	Semsettin Yesilyurt 02/03/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP130430 + 0.00500ml of VP132096 + 0.00800ml of VP131746 + 0.01250ml of VP132035 + 0.01250ml of VP132468 + 0.01250ml of VP132613 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP132802	01/31/2025	02/01/2025	John Carlone	None	None	Semsettin Yesilyurt 02/03/2025

FROM 39.98400ml of W3112 + 0.01600ml of VP131767 = 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	VP132803	01/31/2025	02/01/2025	John Carlone	None	None	Semsettin Yesilyurt 02/03/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP130430 + 0.00500ml of VP132096 + 0.00800ml of VP131746 + 0.01250ml of VP132035 + 0.01250ml of VP132468 + 0.01250ml of VP132613 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP132804	01/31/2025	02/01/2025	John Carlone	None	None	Semsettin Yesilyurt 02/03/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP130430 + 0.00500ml of VP132096 + 0.00800ml of VP131746 + 0.01250ml of VP132035 + 0.01250ml of VP132468 + 0.01250ml of VP132613 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1721	SOM01.2 TRACE-Calibration Mix,25 PPM	VP132819	01/30/2025	03/08/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 02/06/2025

FROM 0.12500ml of V13440 + 0.12500ml of V13845 + 0.12500ml of V13858 + 0.12500ml of V14081 + 0.12500ml of V14308 + 0.12500ml of V14554 + 0.12500ml of V14753 + 0.50000ml of V14726 + 8.62500ml of V14624 = Final Quantity: 10.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1727	5 PPB CCC-CCV SOM01.2 Trace	VP132898	02/05/2025	02/06/2025	Amit Patel	None	None	Semsettin Yesilyurt 02/06/2025

FROM 39.98000ml of W3112 + 0.00400ml of VP132692 + 0.00800ml of VP132711 + 0.00800ml of VP132819 = Final Quantity: 40.000 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
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	30429 / 1,2,3-Trichloropropane Standard, 2,000 ug/ml	A0188973	07/30/2025	01/30/2025 / SAM	01/23/2023 / SAM	V13440

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	01/10/2025 / SAM	01/23/2023 / SAM	V13446

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	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13457

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	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13460

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	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13465

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13466

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 #
Absolute Standards, Inc.	31491 / 1,2,4-Trimethylbenzene 2000ppm	040821	07/30/2025	01/30/2025 / SAM	06/22/2023 / SAM	V13845

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	90319 / 1,3,5-Trimethylbenzene-2000 ug/mL	061923	07/30/2025	01/30/2025 / SAM	06/22/2023 / SAM	V13858

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	94159 / CLP SOM01.1 Volatiles	012323	07/30/2025	01/30/2025 / SAM	12/21/2023 / SAM	V14081

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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	05/18/2025	11/18/2024 / pedro	02/06/2024 / SAM	V14154

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	07/10/2025	01/10/2025 / SAM	02/20/2024 / SAM	V14175

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	07/10/2025	01/10/2025 / SAM	02/20/2024 / SAM	V14176

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 #
Absolute Standards, Inc.	90298 / Naphthalene, 2000 ug/ml	020123	07/30/2025	01/30/2025 / SAM	04/17/2024 / SAM	V14308

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30091 / VOA Mix, CLP method L/C Internal Std 2500uq/ml, PT&M, 1ml/ampul	A0209905	04/14/2025	10/14/2024 / SAM	05/03/2024 / SAM	V14352

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	07/10/2025	01/10/2025 / SAM	08/15/2024 / SAM	V14433

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	07/10/2025	01/10/2025 / SAM	08/15/2024 / SAM	V14439

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30624 / VOA Stock Standard, OLC 3.2 VOA non-ketone, deuterated monitoring compounds, 1mL, 500ug/mL, Methanol-d	A0211457	07/27/2025	01/27/2025 / SAM	08/15/2024 / SAM	V14454

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)	091724	07/10/2025	01/10/2025 / SAM	09/18/2024 / SAM	V14521

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)	091724	07/10/2025	01/10/2025 / SAM	09/18/2024 / SAM	V14522

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	94559 / 1,3,5-Trichlorobenzene, 2000 ug/mL, in methanol	051421	07/30/2025	01/30/2025 / SAM	10/09/2024 / SAM	V14554

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30625 / VOA Stock Std, OLC 3.2 VOA Ketone Deuterated Monitoring Compounds, 1mL, 500ug/mL, d2O		07/13/2025	01/13/2025 / SAM	11/18/2024 / SAM	V14605

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30625 / VOA Stock Std, OLC 3.2 VOA Ketone Deuterated Monitoring Compounds, 1mL, 500ug/mL, d2O		07/13/2025	01/13/2025 / SAM	11/18/2024 / SAM	V14607

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30625 / VOA Stock Std, OLC 3.2 VOA Ketone Deuterated Monitoring Compounds, 1mL, 500ug/mL, d2O	A0219189	06/12/2025	12/12/2024 / SAM	11/22/2024 / SAM	V14610

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30625 / VOA Stock Std, OLC 3.2 VOA Ketone Deuterated Monitoring Compounds, 1mL, 500ug/mL, d2O	A0219189	06/12/2025	12/12/2024 / SAM	11/22/2024 / SAM	V14611

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 #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	23I0762004	07/13/2025	01/13/2025 / SAM	11/26/2024 / SAM	V14624

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	23I0762004	07/06/2025	01/06/2025 / SAM	11/26/2024 / SAM	V14627

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 #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	07/10/2025	01/10/2025 / SAM	12/17/2024 / SAM	V14722

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	07/10/2025	01/10/2025 / SAM	12/17/2024 / SAM	V14723

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	A02110618	07/10/2025	01/10/2025 / SAM	12/17/2024 / SAM	V14724

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	A02110618	07/30/2025	01/30/2025 / SAM	12/17/2024 / SAM	V14726

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	A0216826	07/30/2025	01/30/2025 / SAM	12/17/2024 / SAM	V14753

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	A0216826	05/31/2031	01/10/2025 / SAM	12/17/2024 / SAM	V14754

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	A0216826	07/10/2025	01/10/2025 / SAM	12/17/2024 / SAM	V14756

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0220563	06/30/2026	01/10/2025 / SAM	01/08/2025 / SAM	V14801

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	A0220471	07/10/2025	01/10/2025 / SAM	01/08/2025 / SAM	V14814

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	010725	02/07/2025	01/08/2025 / SAM	01/08/2025 / SAM	V14830

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	010725	02/07/2025	01/08/2025 / SAM	01/08/2025 / SAM	V14831

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	010725	02/07/2025	01/08/2025 / SAM	01/08/2025 / SAM	V14832

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

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 2310762004
Manufactured Date: 2023-08-11
Expiration Date: 2026-08-10
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	0.5 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.01
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

Ken Koehnlein
Sr. Manager, Quality Assurance

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 2310762004
Manufactured Date: 2023-08-11
Expiration Date: 2026-08-10
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	0.5 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.01
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

Ken Koehnlein
Sr. Manager, Quality Assurance

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

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

Dec 01/08/25

5 vial

V14823-to V14827 V14829

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 010725
Description: Acrolein

Expiration Date: 020725
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): Water **Lot#** 072324Q

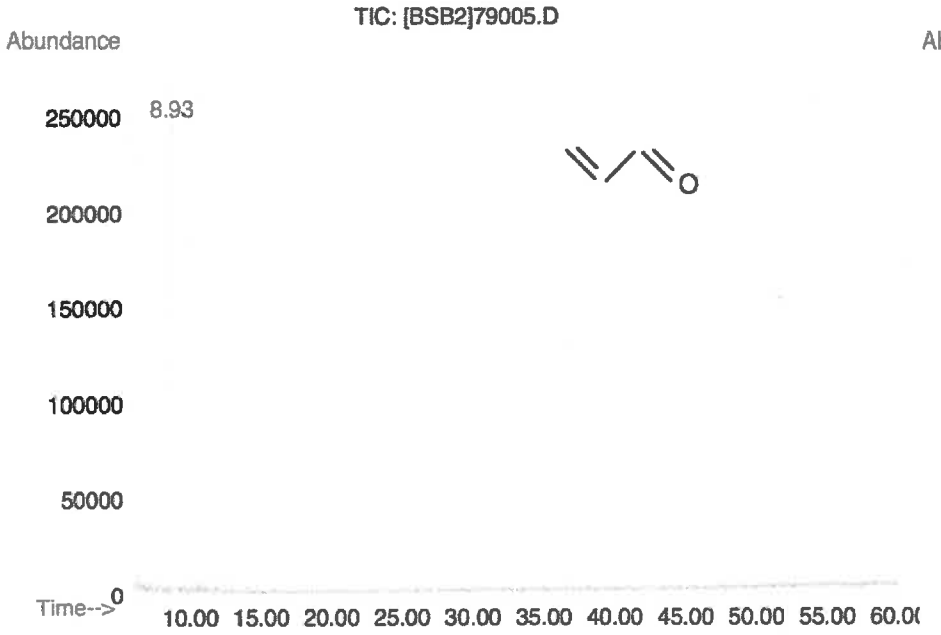
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

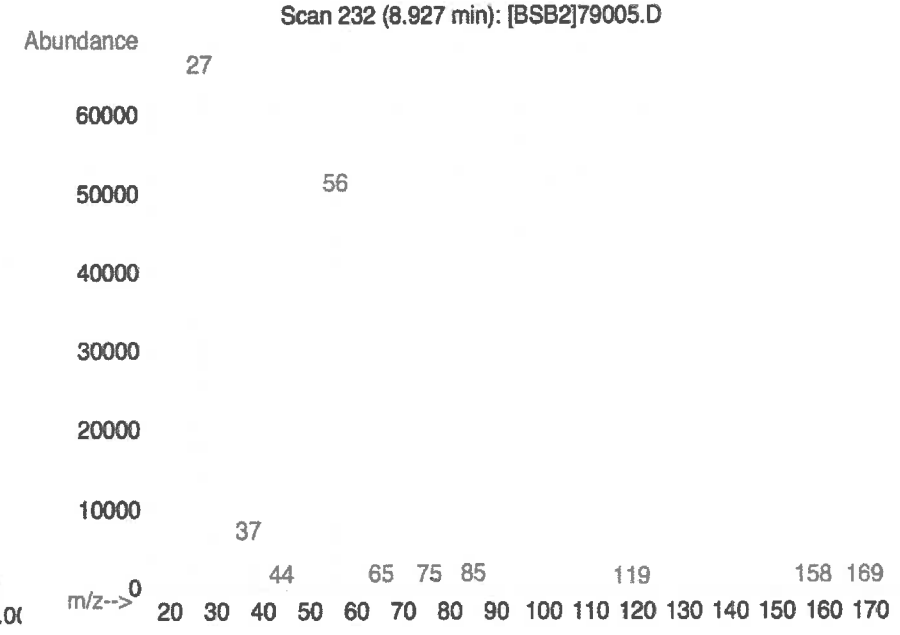
Weight(s) shown below were combined and diluted to (mL): 10.0

	010725
Formulated By: Anthony Mahoney	DATE
	010725
Reviewed By: Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	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	103755V10F	5000	97	0.5	0.05166	0.05178	5011.8	52.6	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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- 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.
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Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

Dec 01/08/25

5 vial

V14823-to V14827 V14829

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 010725
Description: Acrolein

Expiration Date: 020725
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): Water **Lot#** 072324Q

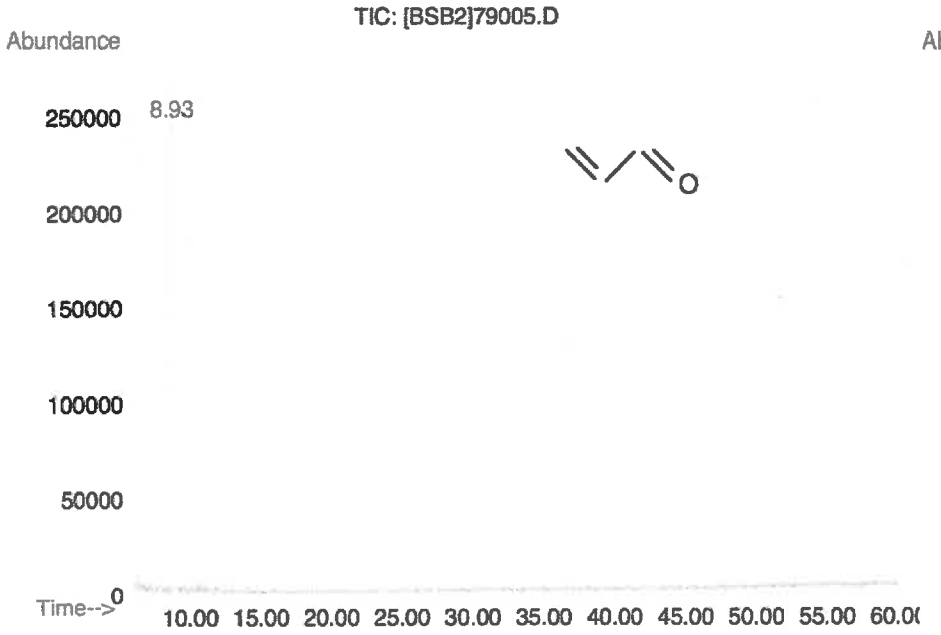
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

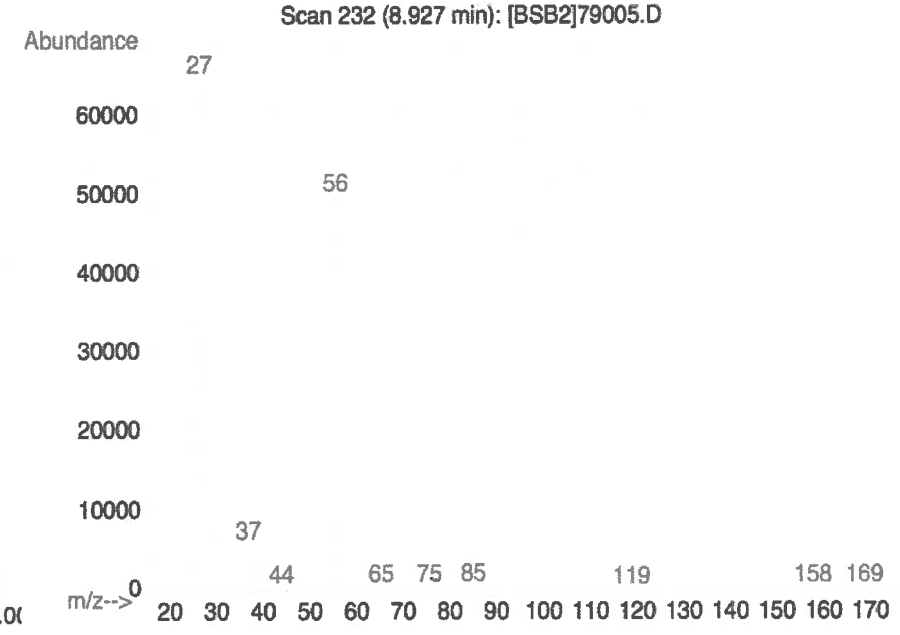
Weight(s) shown below were combined and diluted to (mL): 10.0

	010725
Formulated By: Anthony Mahoney	DATE
	010725
Reviewed By: Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	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	103755V10F	5000	97	0.5	0.05166	0.05178	5011.8	52.6	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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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

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Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
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Dec 01/08/25

5 vial

V14823-to V14827 V14829

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 010725
Description: Acrolein

Expiration Date: 020725
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): Water **Lot#** 072324Q

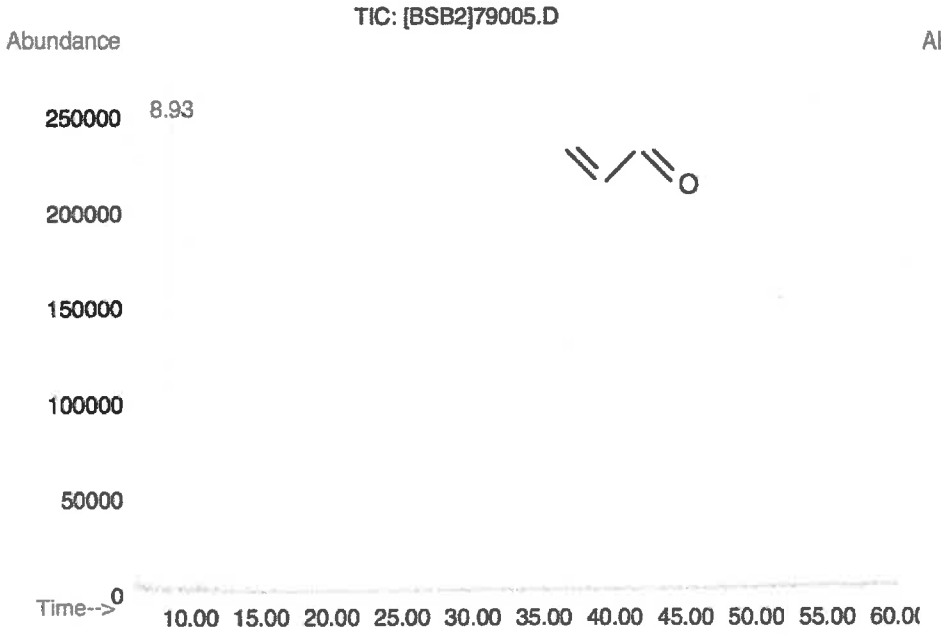
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

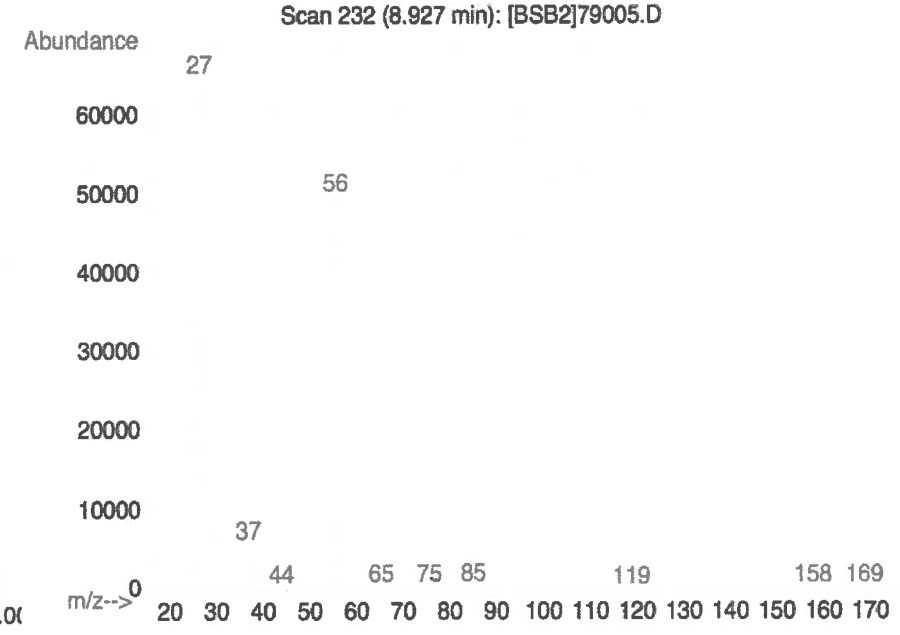
Weight(s) shown below were combined and diluted to (mL): 10.0

	010725
Formulated By: Anthony Mahoney	DATE
	010725
Reviewed By: Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	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	103755V10F	5000	97	0.5	0.05166	0.05178	5011.8	52.6	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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	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.
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In case of skin contact	Wash with soap and water. Consult a physician.
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Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water CAS#: 7732-18-5 TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water Completely miscible

Appearance and Odor CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions NA
Conditions to avoid NA
Materials to avoid NA
Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat NA
LC50 Inhalation - Rat NA
LD50 Dermal - Guinea pig NA
Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50 NA
EC50 NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

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Certified Reference Material CRM

10 ug/mL

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 94159
Lot Number: 012323
Description: CLP SOM 01.1 Volatiles
42 components
Expiration Date: 012326
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6UTB

Solvent: Methanol **Lot#** EF282-USQ1

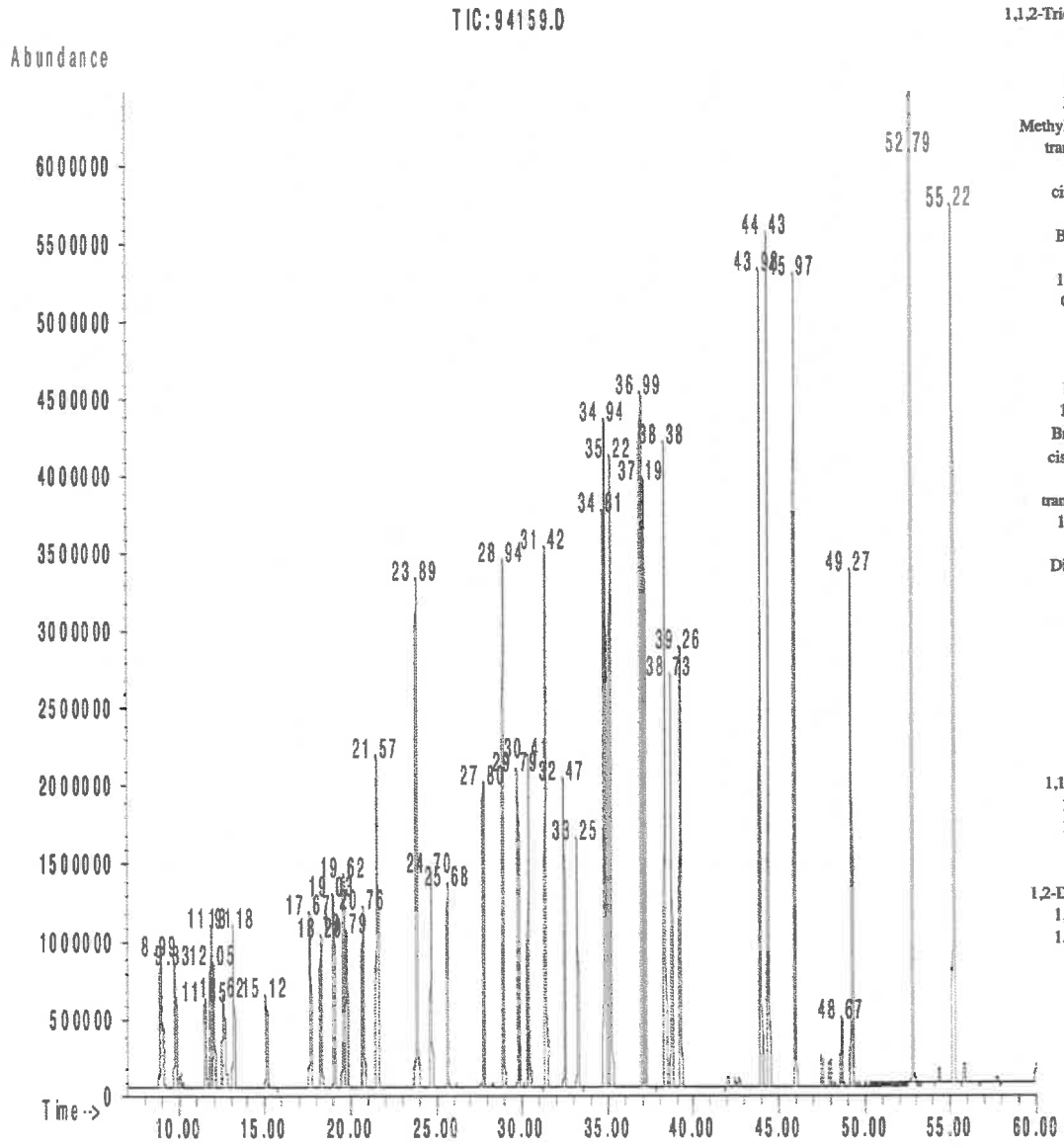
5E-05 Balance Uncertainty
Volume(s) shown below were combined and diluted to (mL): 100.0 0.012 Flask Uncertainty

Formulated By:	Prashant Chauhan	012323 DATE
Reviewed By:	Pedro L. Rentas	012323 DATE

Compound	Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Initial Conc.(ug/mL)	Final Conc.(ug/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Benzene	93831	060616	0.10	10.00	0.042	20006.6	2000.6	18.7	71-43-2	1 ppm	orl-rat 4894mg/kg
2. Toluene	93831	060616	0.10	10.00	0.042	20002.8	2000.2	18.7	108-88-3	200 ppm	orl-rat 5000mg/kg
3. Ethyl benzene	93831	060616	0.10	10.00	0.042	20002.5	2000.2	18.7	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
4. o-Xylene	93831	060616	0.10	10.00	0.042	20003.8	2000.3	18.7	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
5. m-Xylene	93831	060616	0.10	10.00	0.042	10003.3	1000.3	9.4	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
6. p-Xylene	93831	060616	0.10	10.00	0.042	10005.2	1000.5	9.4	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
7. Bromodichloromethane	35171	100220	0.05	5.00	0.017	40018.8	2000.8	15.9	75-27-4	N/A	orl-rat 916mg/kg
8. Dibromochloromethane	35171	100220	0.05	5.00	0.017	40007.7	2000.3	15.9	124-48-1	N/A	orl-rat 848mg/kg
9. cis-1,2-Dichloroethene	35171	100220	0.05	5.00	0.017	40012.4	2000.5	15.8	156-59-2	N/A	N/A
10. trans-1,2-Dichloroethene	35171	100220	0.05	5.00	0.017	40005.6	2000.2	15.9	156-60-5	N/A	orl-rat 1235mg/kg
11. Methylene chloride	35171	100220	0.05	5.00	0.017	40013.9	2000.6	15.8	75-09-2	500 ppm	orl-rat 820mg/kg
12. 1,1-Dichloroethene	32251	031821	0.10	10.00	0.042	20009.1	2000.8	18.7	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
13. Bromochloromethane	94170	010616	0.10	10.00	0.042	20017.5	2001.7	18.7	74-97-5	200 ppm (1050mg/m3/8H)	orl-rat 5000mg/kg
14. Bromoform	94170	010616	0.10	10.00	0.042	20010.4	2000.9	18.7	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
15. Carbon tetrachloride	94170	010616	0.10	10.00	0.042	20006.0	2000.5	18.7	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
16. Chloroform	94170	010616	0.10	10.00	0.042	20019.5	2001.8	18.7	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
17. 1,1-Dichloroethane	94170	010616	0.10	10.00	0.042	20007.6	2000.7	18.7	75-34-3	100 ppm	orl-rat 725mg/kg
18. Tetrachloroethene	94170	010616	0.10	10.00	0.042	20015.7	2001.5	18.7	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
19. 1,1,1-Trichloroethane	94170	010616	0.10	10.00	0.042	20007.4	2000.6	18.7	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
20. 1,2-Dibromo-3-chloropropane	94171	010616	0.10	10.00	0.042	20015.3	2001.4	18.7	96-12-8	0.001 ppm	orl-rat 170mg/kg
21. 1,2-Dibromoethane	94171	010616	0.10	10.00	0.042	20017.3	2001.6	18.7	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
22. 1,2-Dichloroethane	94171	010616	0.10	10.00	0.042	20005.4	2000.4	18.7	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
23. 1,2-Dichloropropane	94171	010616	0.10	10.00	0.042	20006.4	2000.5	18.7	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
24. cis-1,3-Dichloropropene	94171	010616	0.10	10.00	0.042	20016.0	2001.5	18.7	10061-01-5	N/A	N/A
25. trans-1,3-Dichloropropene	94171	010616	0.10	10.00	0.042	20011.4	2001.0	18.7	10061-02-6	N/A	N/A
26. 1,1,2,2-Tetrachloroethane	94171	010616	0.10	10.00	0.042	20014.3	2001.3	18.7	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
27. 1,1,2-Trichloroethane	94171	010616	0.10	10.00	0.042	20024.9	2002.4	18.8	79-00-5	10 ppm (45mg/m3/8H)(skin)	orl-rat 836mg/kg
28. Trichloroethene	94171	010616	0.10	10.00	0.042	20012.9	2001.2	18.7	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
29. Chlorobenzene	99783	091118	0.10	10.00	0.042	20001.9	2000.1	18.7	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
30. 1,2-Dichlorobenzene	99783	091118	0.10	10.00	0.042	20002.9	2000.2	18.7	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
31. 1,3-Dichlorobenzene	99783	091118	0.10	10.00	0.042	20003.7	2000.3	18.7	541-73-1	N/A	ipr-mus 1062mg/kg
32. 1,4-Dichlorobenzene	99783	091118	0.10	10.00	0.042	20005.9	2000.5	18.7	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
33. Isopropylbenzene	99783	091118	0.10	10.00	0.042	20391.8	2039.1	19.0	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
34. 1,2,3-Trichlorobenzene	99783	091118	0.10	10.00	0.042	20003.7	2000.3	18.7	87-61-6	N/A	ipr-mus 1390mg/kg
35. 1,2,4-Trichlorobenzene	99783	091118	0.10	10.00	0.042	20084.7	2008.4	18.8	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
36. Styrene	32381	052120	0.10	10.00	0.042	20041.4	2004.0	18.7	100-42-5	100 ppm	orl-rat 5000mg/kg
37. Carbon disulphide	94173	010716	0.10	10.00	0.042	20001.9	2000.1	18.7	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
38. Cyclohexane	94173	010716	0.10	10.00	0.042	20002.0	2000.1	18.7	110-82-7	300 ppm (1050mg/m3/8H)	orl-rat 12705mg/kg
39. Methyl acetate	94173	010716	0.10	10.00	0.042	20002.4	2000.1	18.7	79-20-9	200 ppm (610mg/m3/8H)	orl-rbt 3705mg/kg
40. Methylcyclohexane	94173	010716	0.10	10.00	0.042	20001.7	2000.1	18.7	108-87-2	N/A	orl-mus 2250mg/kg
41. Methyl tert-butyl ether (MTBE)	94173	010716	0.10	10.00	0.042	20001.2	2000.0	18.7	1634-04-4	N/A	orl-rat 4g/kg
42. 1,1,2-Trichloro-1,2,2-trifluoroethane	94173	010716	0.10	10.00	0.042	20001.9	2000.1	18.7	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/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 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: GC6MSD1. **Detector:** Mass Selective Detector. **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:** Gina McLane.



Retention Time (min.)	
1,1,2-Trichloro-1,2,2-trifluoroethane	8.99
1,1-Dichloroethene	9.83
Methyl acetate	11.55
Carbon disulphide	11.91
Methylene chloride	12.05
Methyl tert-butyl ether (MTBE)	12.62
trans-1,2-Dichloroethene	13.18
1,1-Dichloroethane	15.12
cis-1,2-Dichloroethene	17.67
Chloroform	18.29
Bromochloromethane	19.03
Cyclohexane	19.62
1,1,1-Trichloroethane	19.79
Carbon tetrachloride	20.76
Benzene	21.57
1,2-Dichloroethane	21.57
Trichloroethene	23.89
Methylcyclohexane	23.89
1,2-Dichloropropane	24.7
Bromodichloromethane	25.68
cis-1,3-Dichloropropene	27.8
Toluene	28.94
trans-1,3-Dichloropropene	29.79
1,1,2-Trichloroethane	30.41
Tetrachloroethene	31.42
Dibromochloromethane	32.47
1,2-Dibromoethane	33.25
Chlorobenzene	34.81
Ethylbenzene	34.94
m-Xylene	35.22
p-Xylene	35.22
o-Xylene	36.99
Styrene	37.19
Isopropylbenzene	38.38
Bromoform	38.73
1,1,2,2-Tetrachloroethane	39.26
1,3-Dichlorobenzene	43.98
1,4-Dichlorobenzene	44.43
1,2-Dichlorobenzene	45.97
impurity	48.67
1,2-Dibromo-3-chloropropane	49.27
1,2,4-Trichlorobenzene	52.79
1,2,3-Trichlorobenzene	55.22

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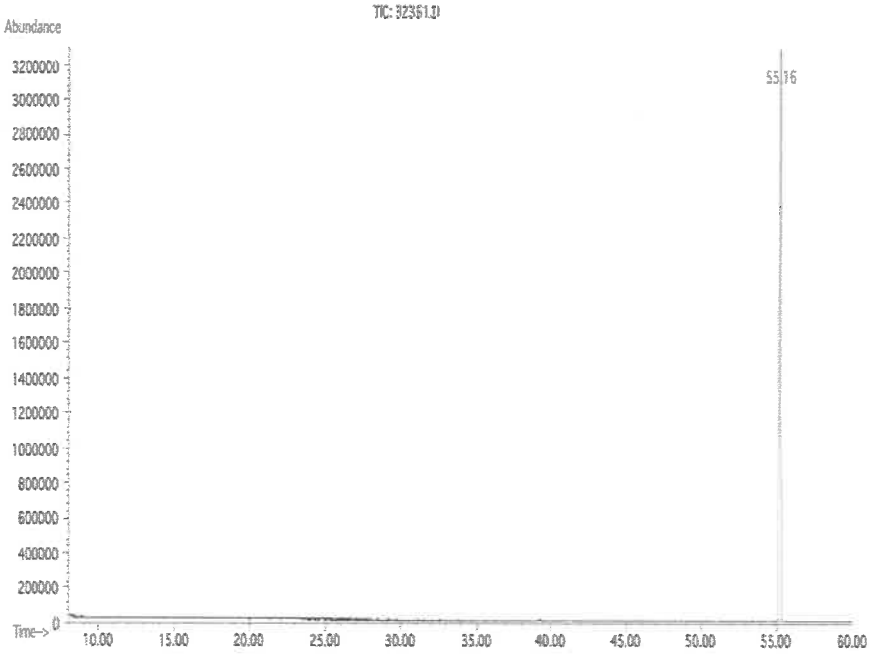
CERTIFIED WEIGHT REPORT

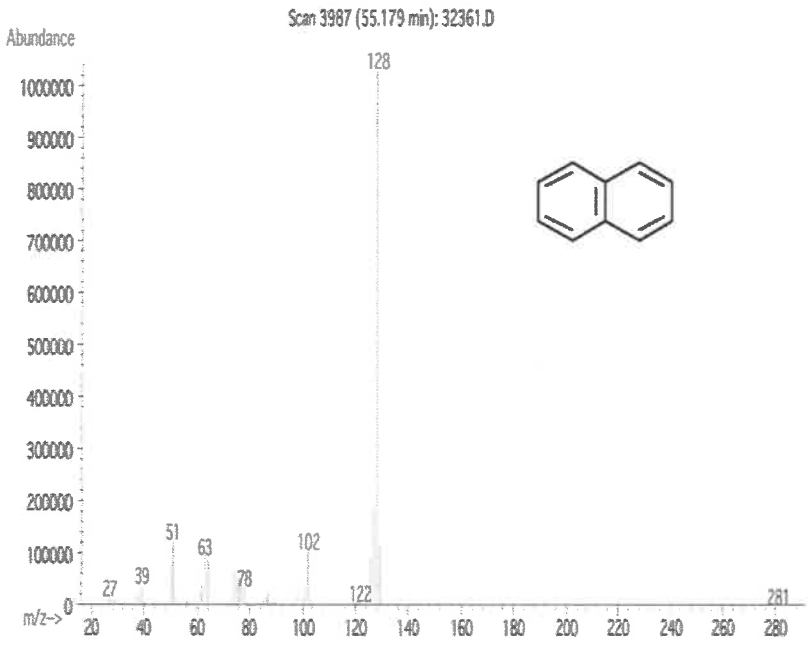
Part Number:	**90298**	**Solvent(s):**	**Lot#**	
Lot Number:	020123	Methanol	EF282-US	
Description:	Naphthalene			
Expiration Date:	020128			
Recommended Storage:	Refrigerate (4 °C)			
Nominal Concentration (µg/mL):	2000			
NIST Test ID#:	6UTB	5E-05	Balance Uncertainty	
Volume(s) shown below were combined and diluted to (mL):	100.0	0.012	Flask Uncertainty	

Justin Dippold		020123
Formulated By:	Justin Dippold	DATE
Pedro Rentas		020123
Reviewed By:	Pedro L. Rentas	DATE

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Initial Conc.(ug/mL)	Final Conc.(ug/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Naphthalene	32361	011623	0.10	10.00	0.042	20000.3	1999.9	18.7	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg

Method: GC6MSD-1. **Detector:** MSD (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:** 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).

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

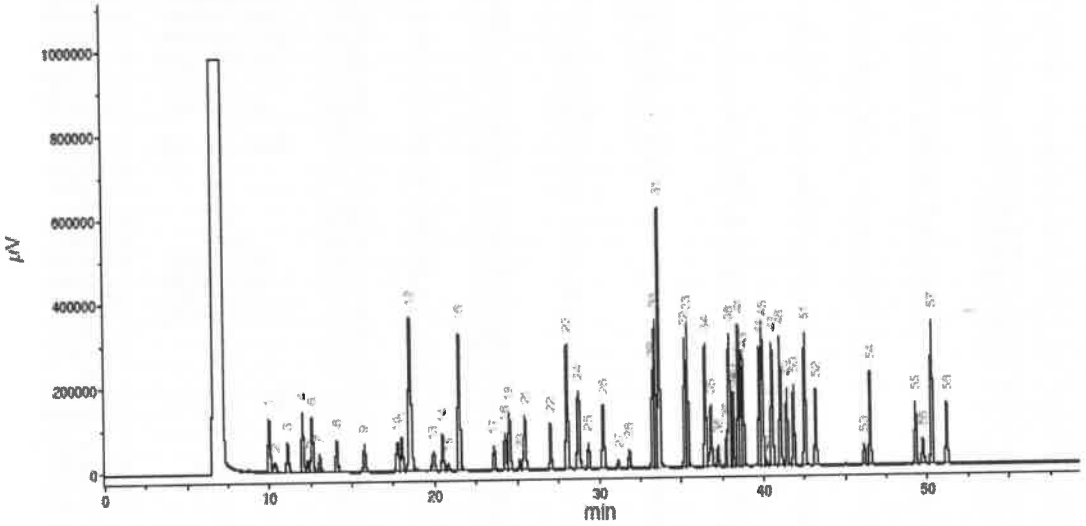
Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached 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

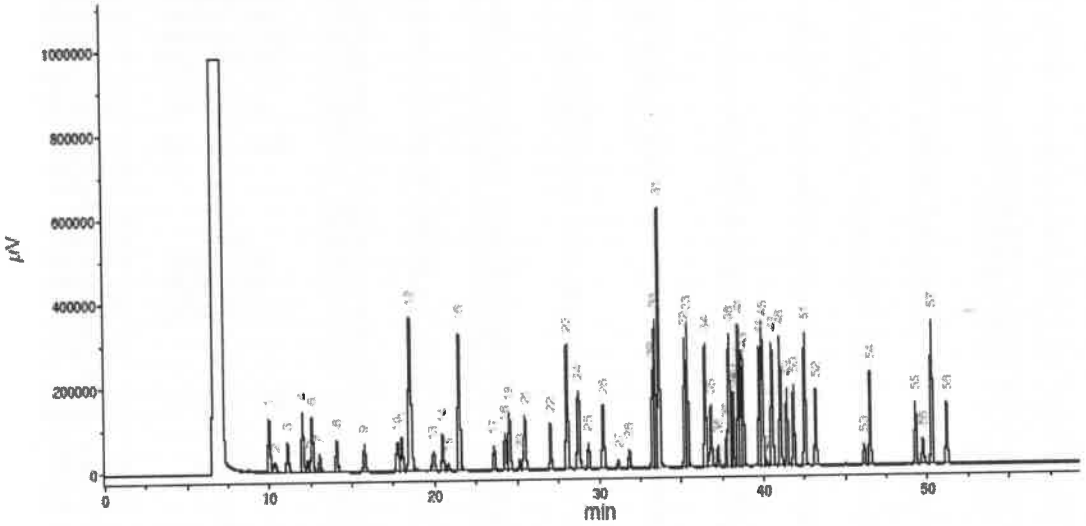
Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached 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: 31491
Lot Number: 040821
Description: 1,2,4-Trimethylbenzene

Solvent(s): Methanol **Lot#** DY186-US

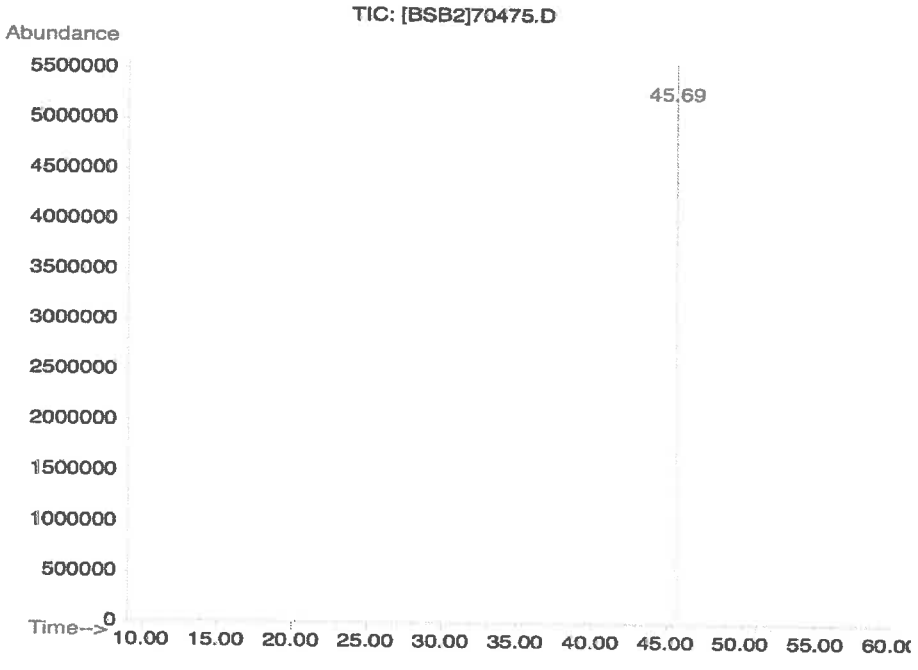
Expiration Date: 040826
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

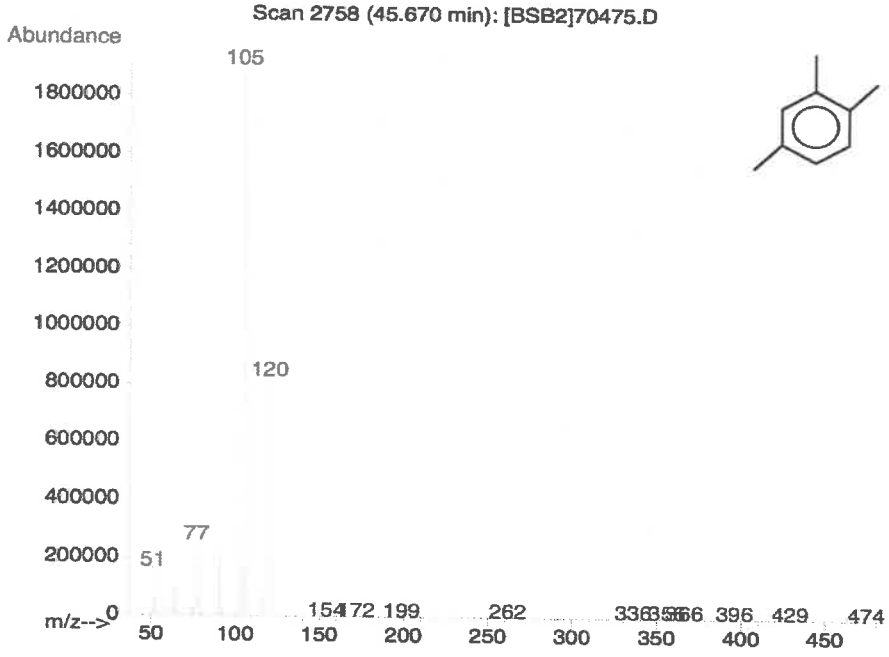
Weight(s) shown below were combined and diluted to (mL): 50.0 | 5E-05 Balance Uncertainty | 0.057 Flask Uncertainty

Formulated By:	Prashant Chauhan	040821 DATE
Reviewed By:	Pedro L. Rentas	040821 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. 1,2,4-Trimethylbenzene	475	WXBC9778V	2000	98.8	0.2	0.10127	0.10140	2002.5	9.5	95-63-6	N/A	orl-rat 5g/kg

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. Analysis performed by 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.
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www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 94559
Lot Number: 051421
Description: 1,3,5-Trichlorobenzene

Expiration Date: 051426
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

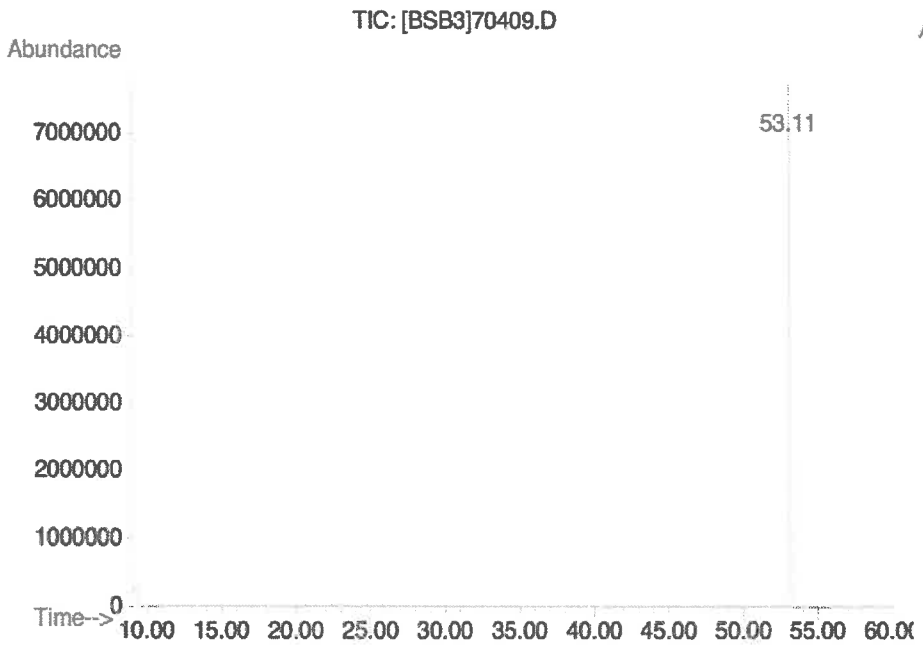
Solvent(s): **Lot#**
Methanol DY186-US

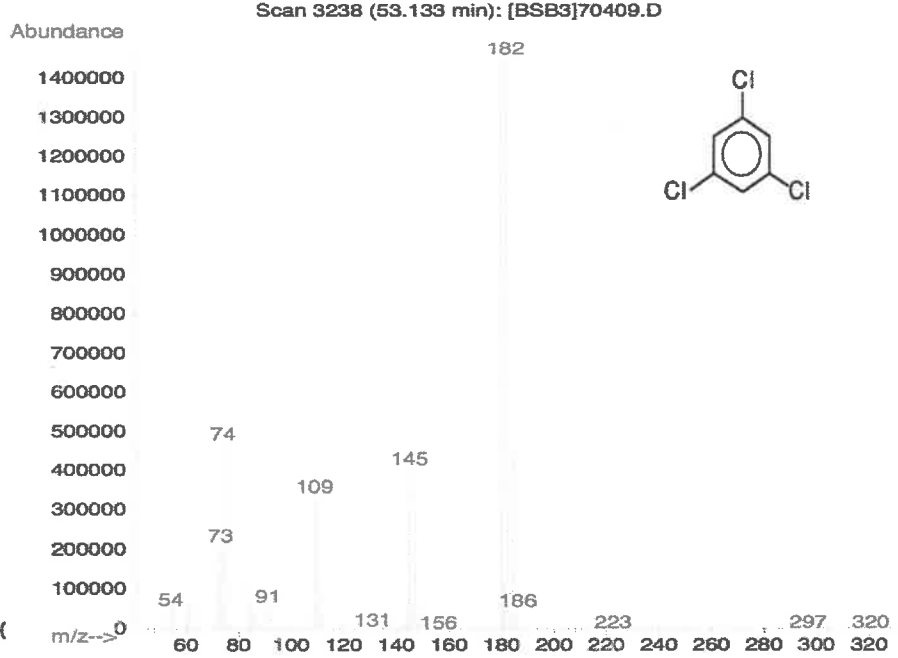
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.012 Flask Uncertainty

		051421
Formulated By:	Benson Chan	DATE
		051421
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. 1,3,5-Trichlorobenzene	409	STBH8643	2000	99.9	0.2	0.20021	0.20084	2006.3	8.1	108-70-3	N/A	orl-rat 800mg/kg

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. Analysis performed by 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.
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.
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Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
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CERTIFIED WEIGHT REPORT

Part Number: 90319
Lot Number: 061923
Description: 1,3,5-Trimethylbenzene [Mesitylene]
Expiration Date: 061928
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent: Methanol **Lot#** EF282-US

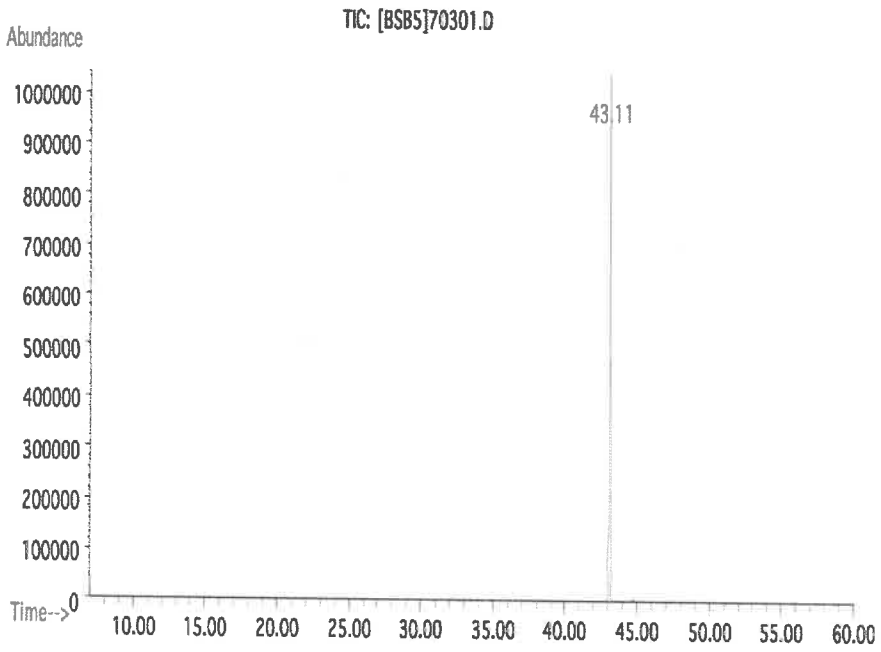
Weight(s) shown below were combined and diluted to (mL): 50.0 | 5E-05 Balance Uncertainty | 0.001 Flask Uncertainty

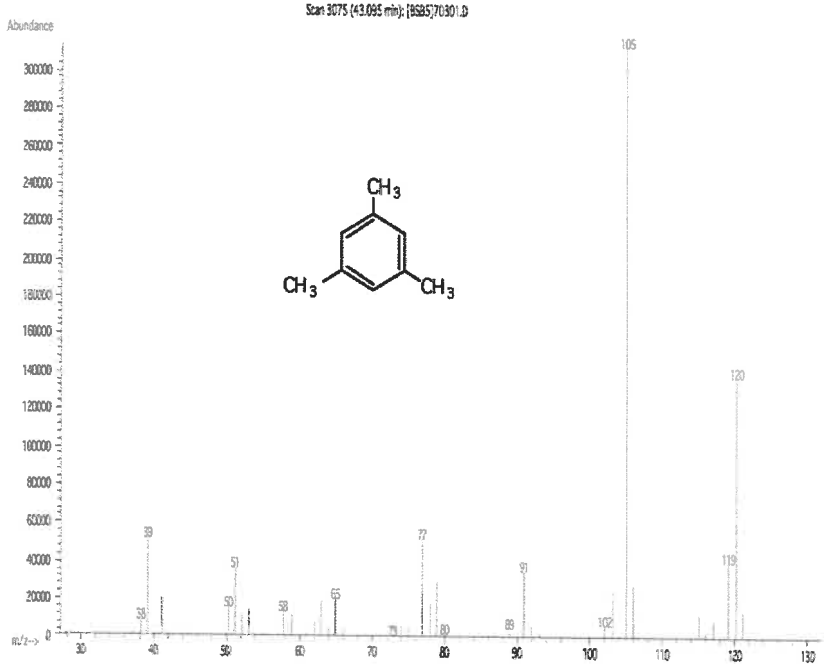
Gabriel Helland 061923
Formulated By: Gabriel Helland DATE

Pedro Rentas 061923
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. 1,3,5-Trimethylbenzene	301	TOOOF-IC	2000	97	0.2	0.10315	0.10341	2004.9	8.5	108-67-8	N/A	orl-rat 5000mg/kg

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. Analysis performed by Candice Warren.





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Certified Reference Material CRM

Rec 09/16/24 2 Vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
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CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: Acrolein

Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

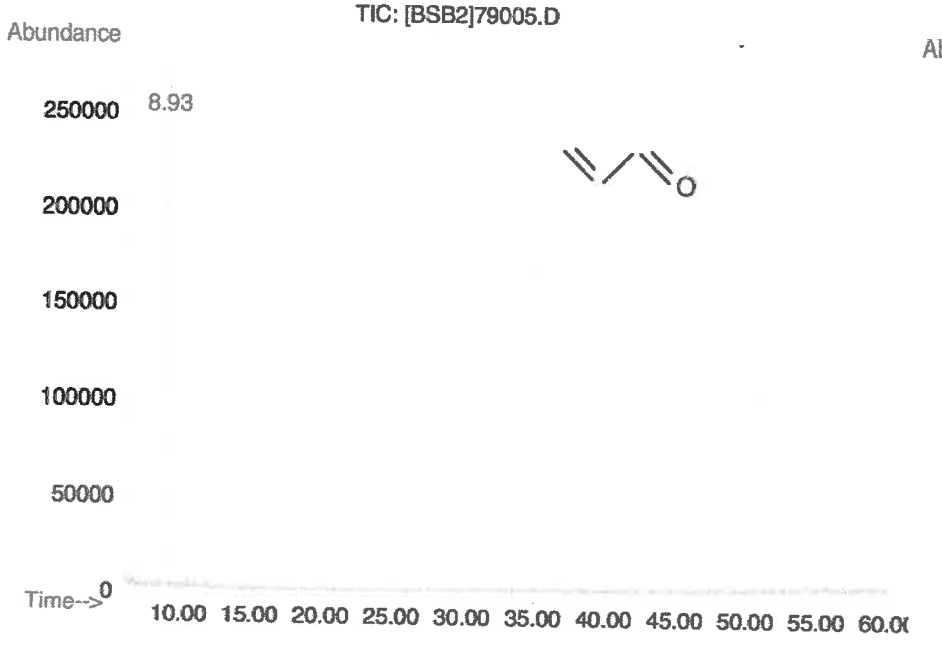
5E-05 Balance Uncertainty
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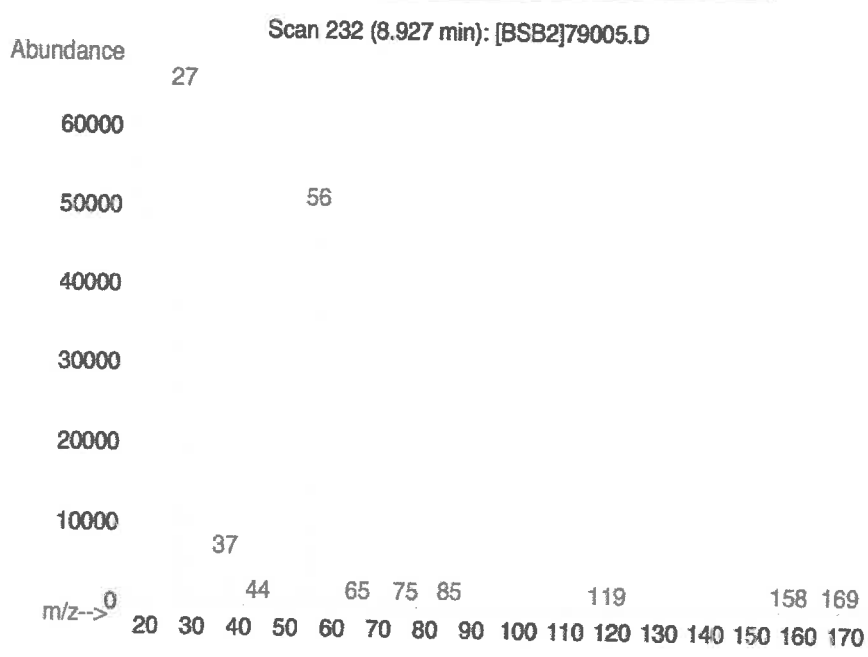
Formulated By: Justin Dippold 091424 DATE

Reviewed By: Pedro L. Rentas 091424 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. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	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.
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Certified Reference Material CRM

Rec 09/16/24 2 Vials

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CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: Acrolein

Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

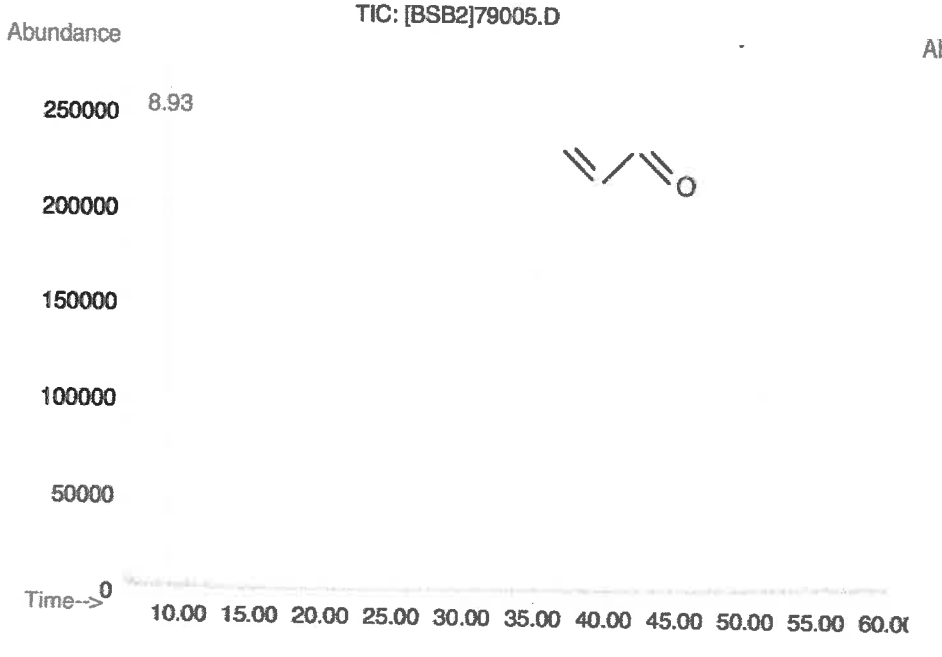
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

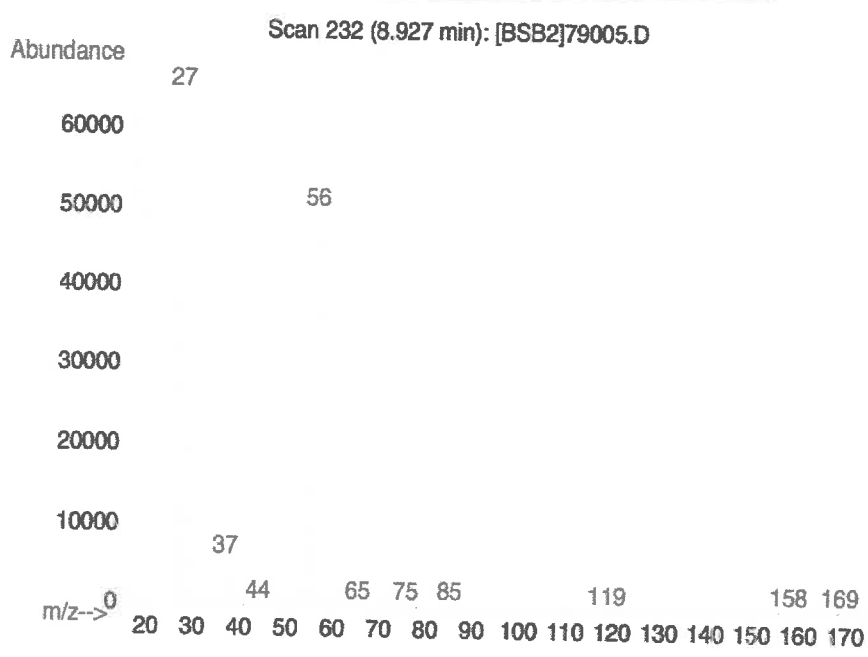
Formulated By: Justin Dippold 091424 DATE

Reviewed By: Pedro L. Rentas 091424 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. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.). Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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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

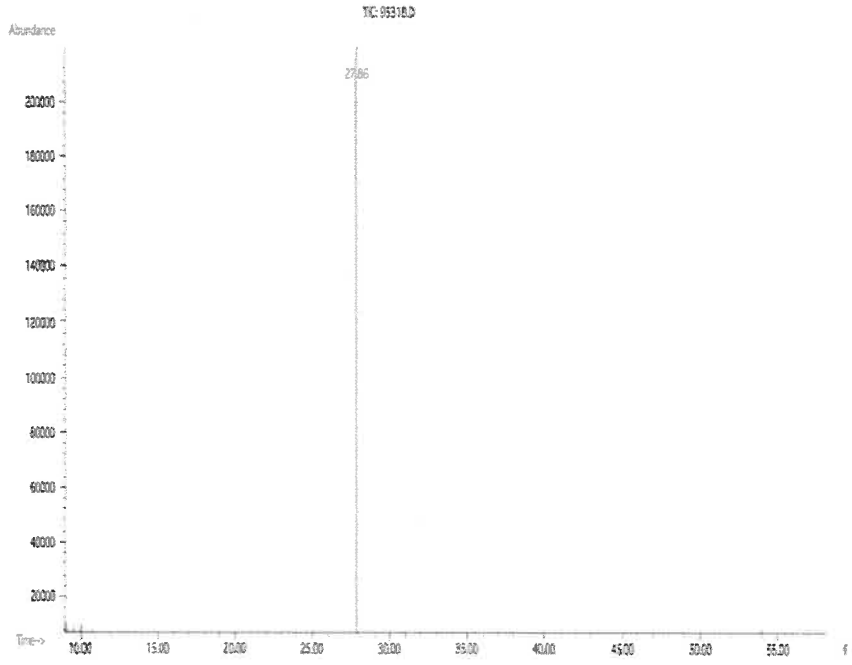
V14630 to V14649

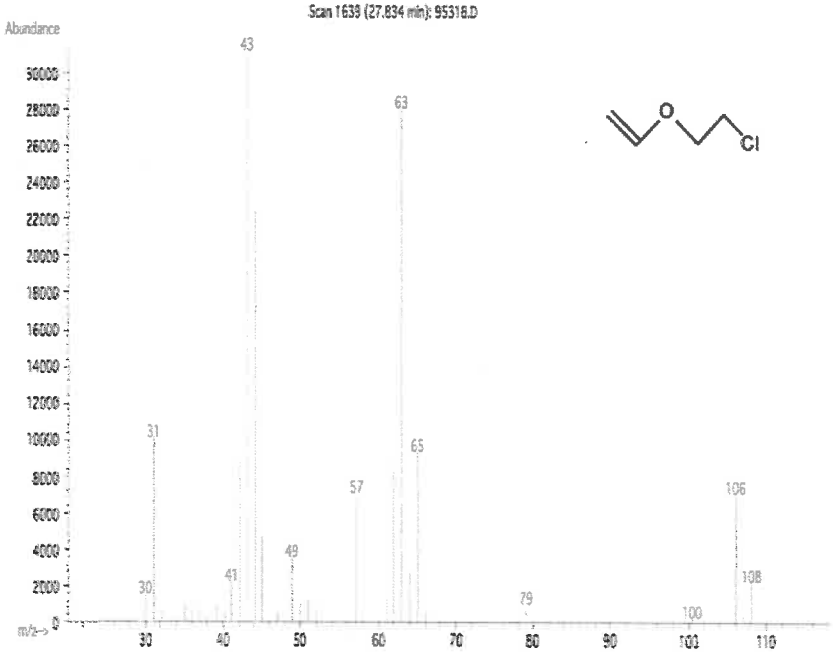
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

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.





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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.

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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

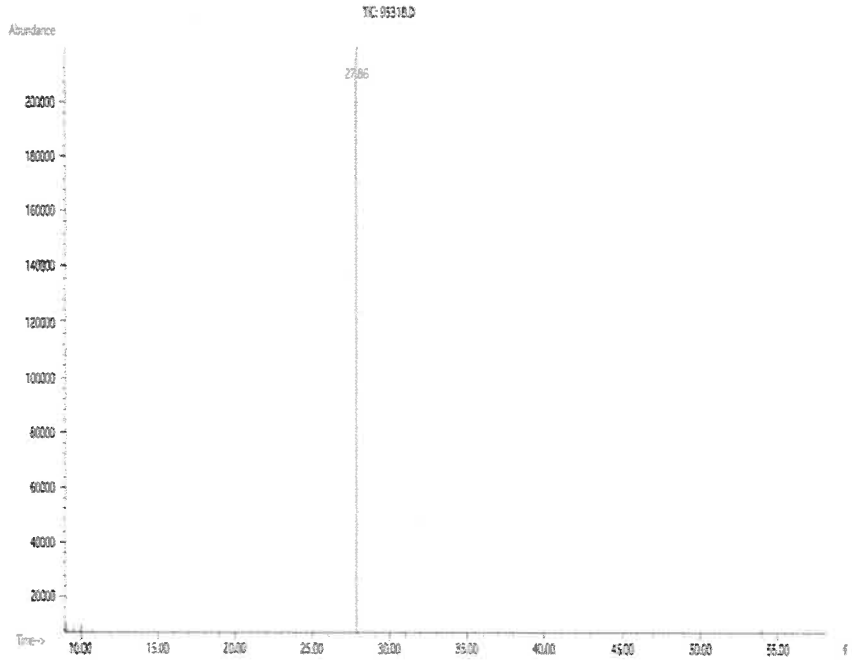
V14630 to V14649

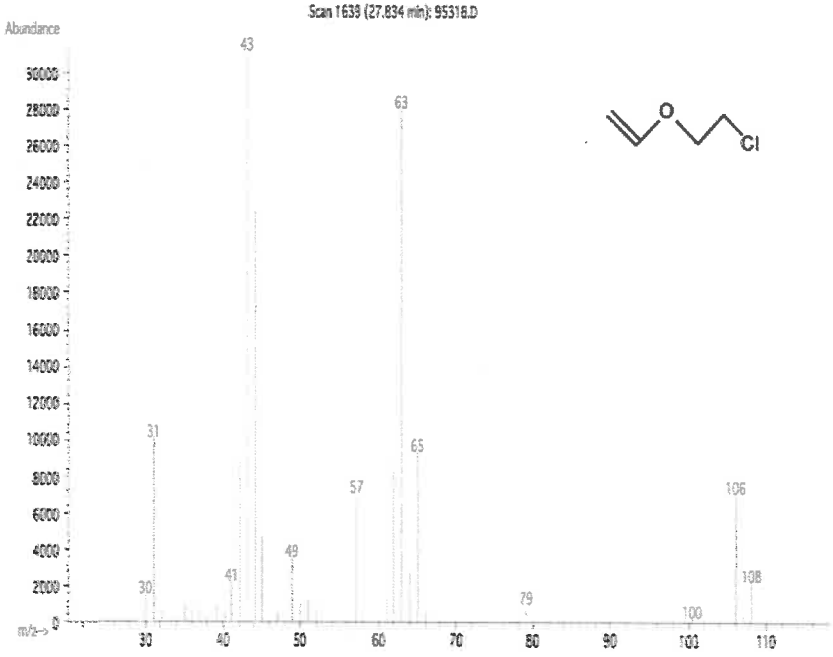
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

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.





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- 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.
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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.

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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

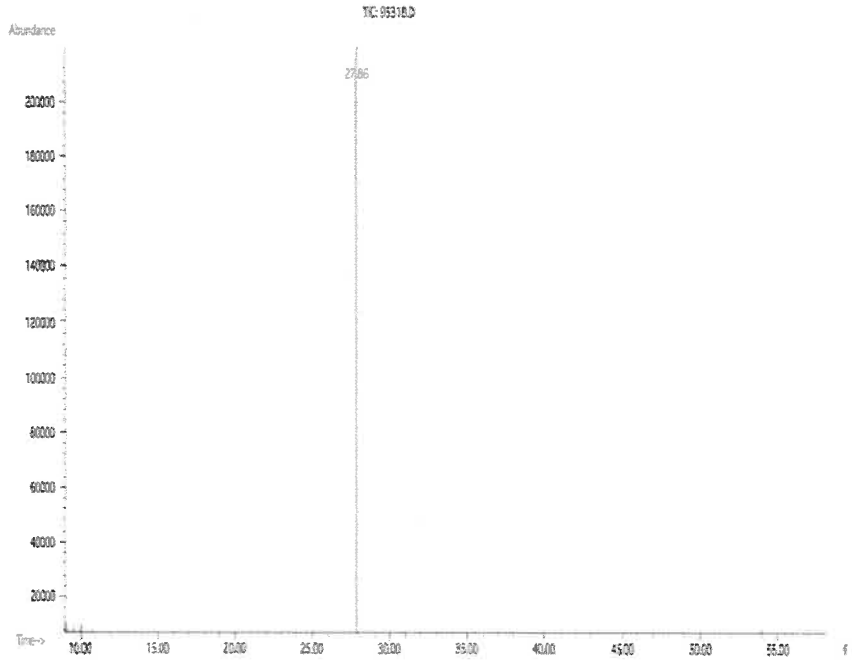
V14630 to V14649

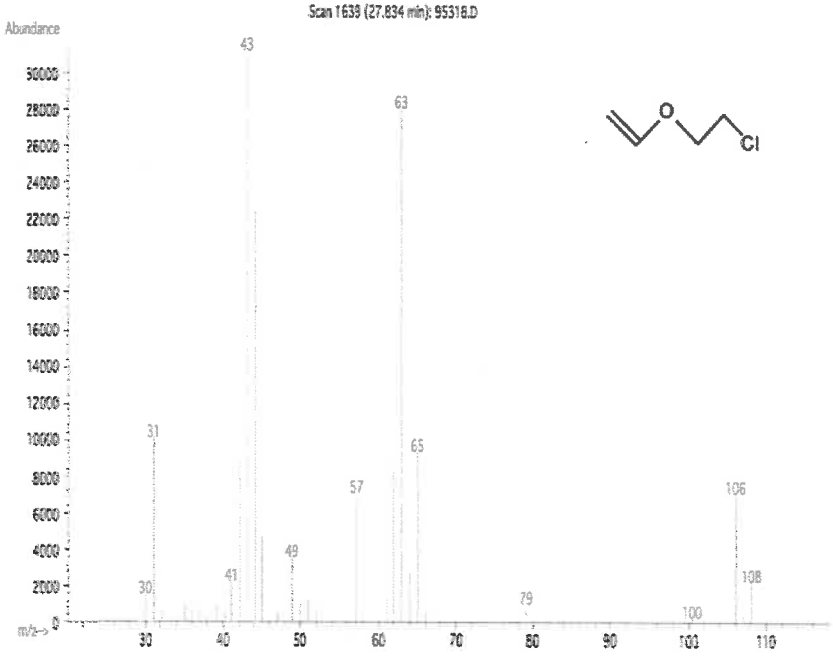
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

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.





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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.
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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
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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

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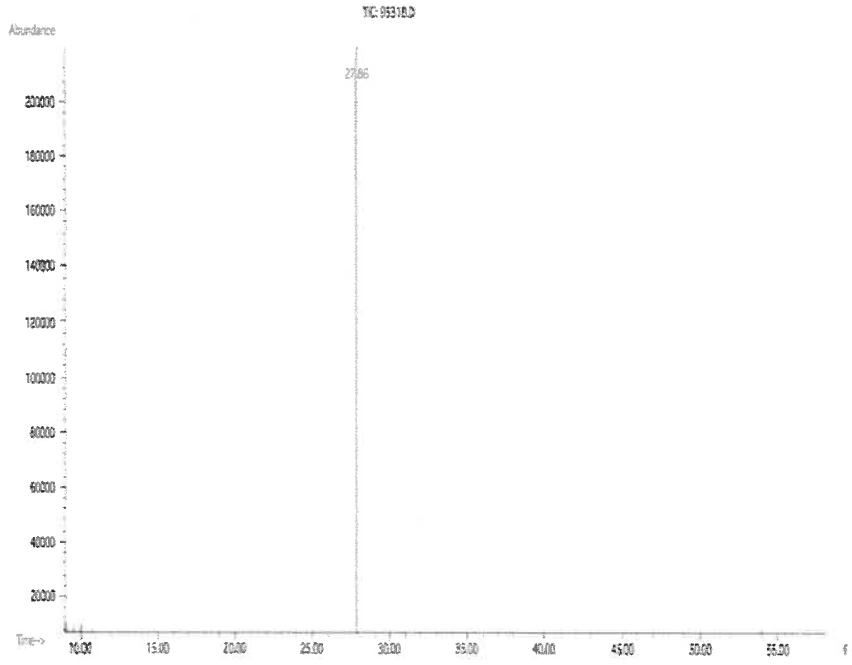
V14630 to V14649

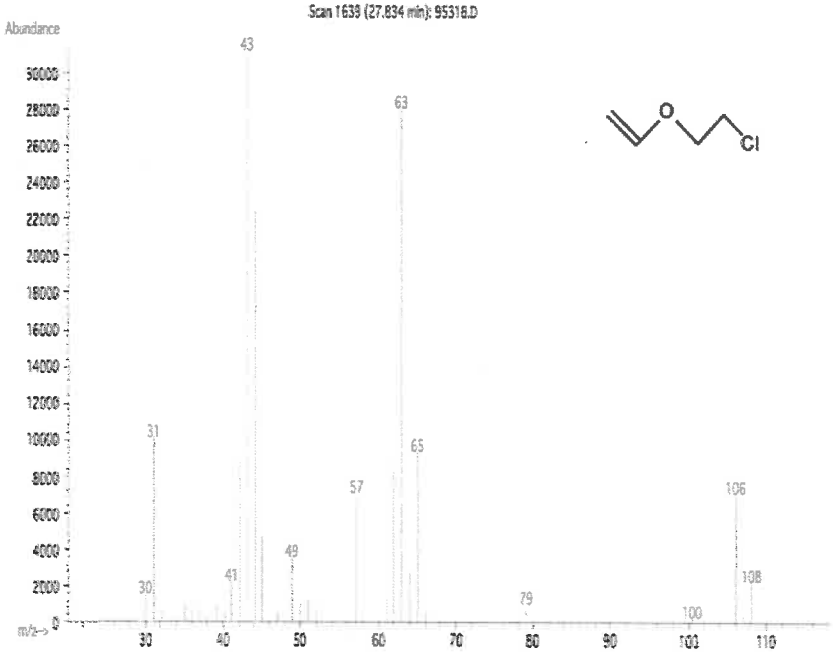
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Formulated By: Prashant Chauhan	DATE
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Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	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.





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Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

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Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

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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
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SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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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. : 30429 **Lot No.:** A0188973

Description : 1,2,3-Trichloropropane Standard

1,2,3-Trichloropropane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	1,2,3-Trichloropropane **CAS #** 96-18-4 (Lot 332900) **Purity** 99%	2,000.0 µg/mL	+/- 11.7371 µg/mL +/- 112.1494 µg/mL +/- 114.7730 µg/mL		Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

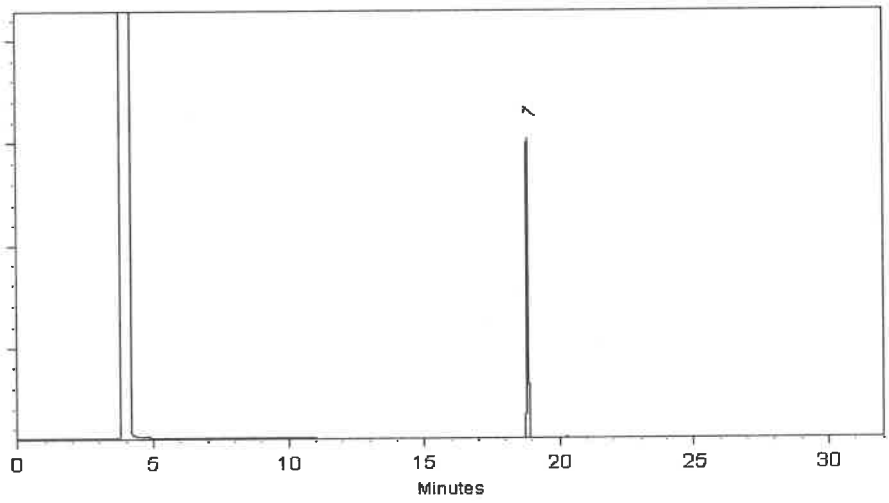
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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.

Daniel Wasson - Operations Tech I **Date Mixed:** 24-Aug-2022 **Balance:** 1127510105

Christie Mills - Operations Tech II - ARM QC **Date Passed:** 29-Aug-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30470 **Lot No.:** A0181905

Description : tert-Butanol Standard

tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2025 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	tert-Butanol (TBA)	50,126.0 µg/mL	+/- 293.4988 µg/mL	Gravimetric
	CAS # 75-65-0 (Lot SHBM7694)		+/- 1,073.7654 µg/mL	Unstressed
	Purity 99%		+/- 1,104.9494 µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

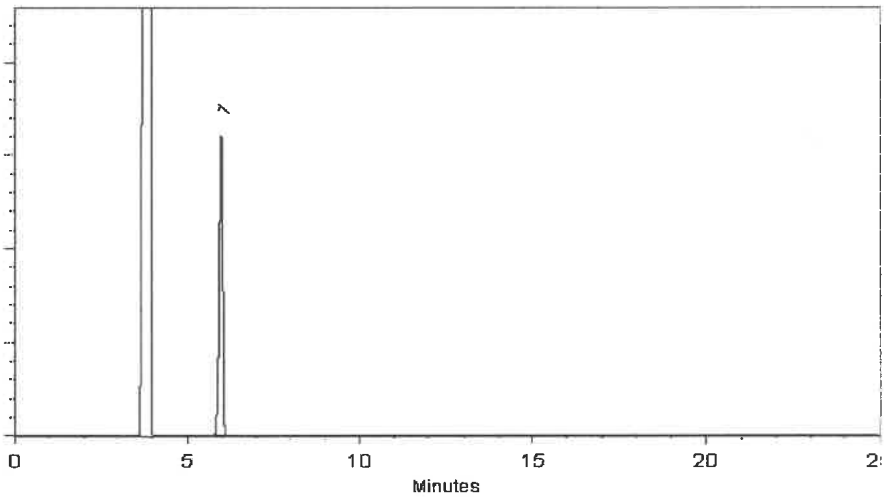
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

John Friedline - Operations Technician I

Date Mixed: 16-Feb-2022 **Balance:** B442140311

Marlina Cowan - Operations Tech I

Date Passed: 21-Feb-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

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Catalog No. : 30067 **Lot No.:** A0191805

Description : 4-Bromofluorobenzene Standard

4-Bromofluorobenzene Standard 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	2,483.9 µg/mL	+/- 139.5488

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

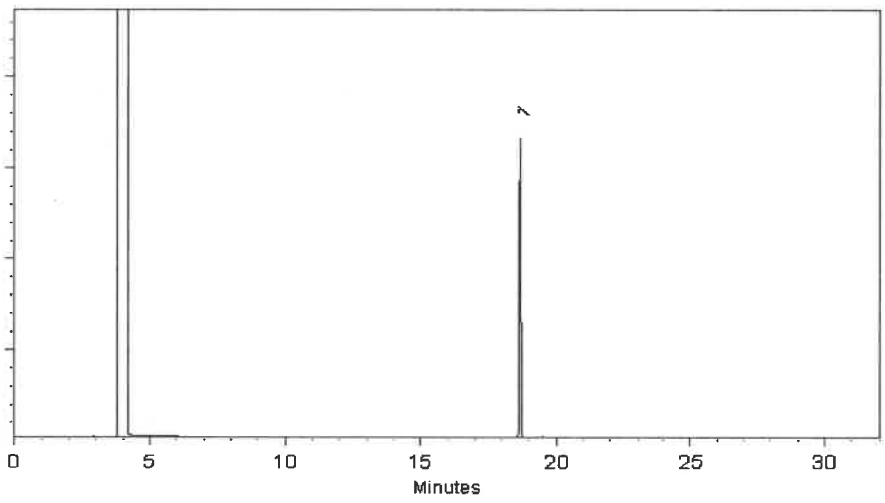
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Alicia Leathers - Operation Technician I **Date Mixed:** 17-Nov-2022 **Balance Serial #** B251644995

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 21-Nov-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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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.)

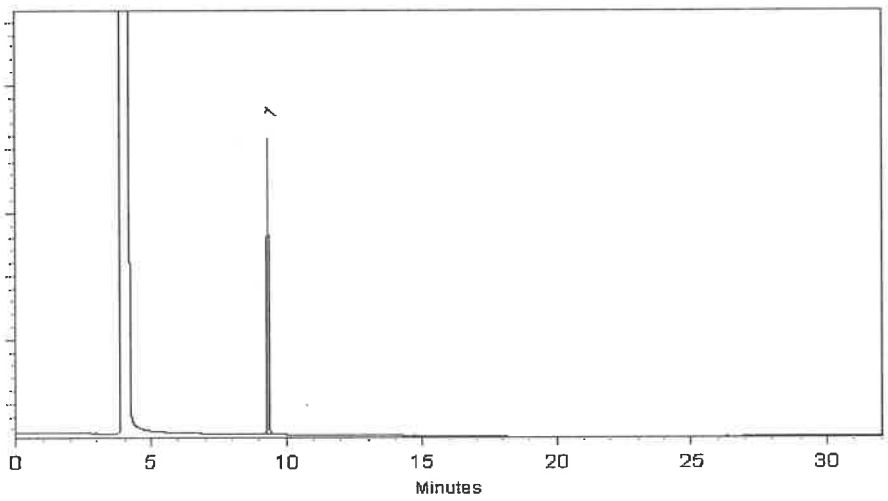
Inj. Temp:
200°C

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:

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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.)

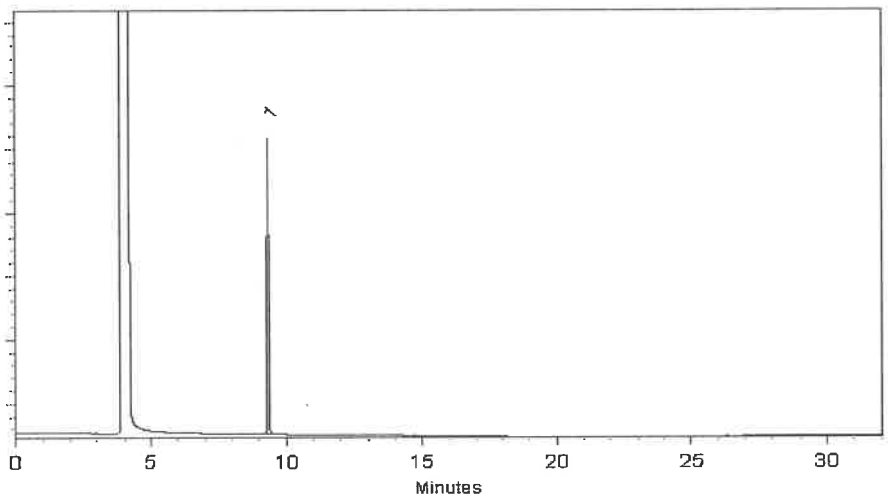
Inj. Temp:
200°C

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:

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Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

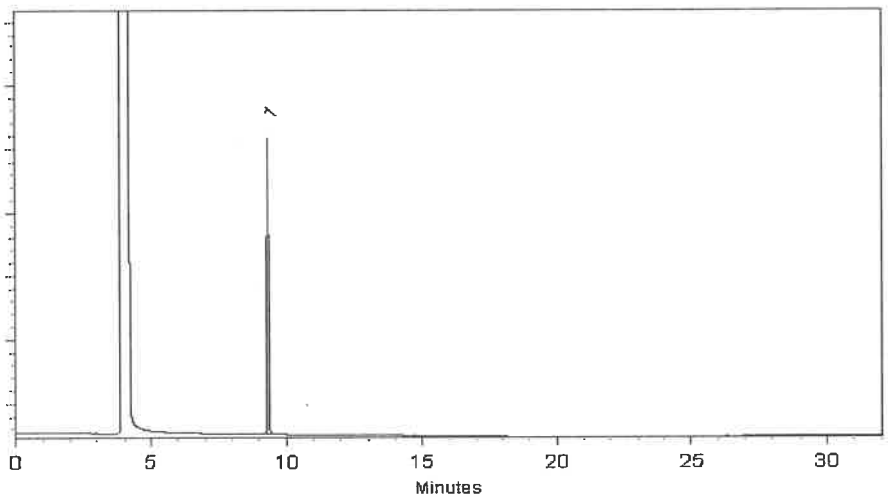
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

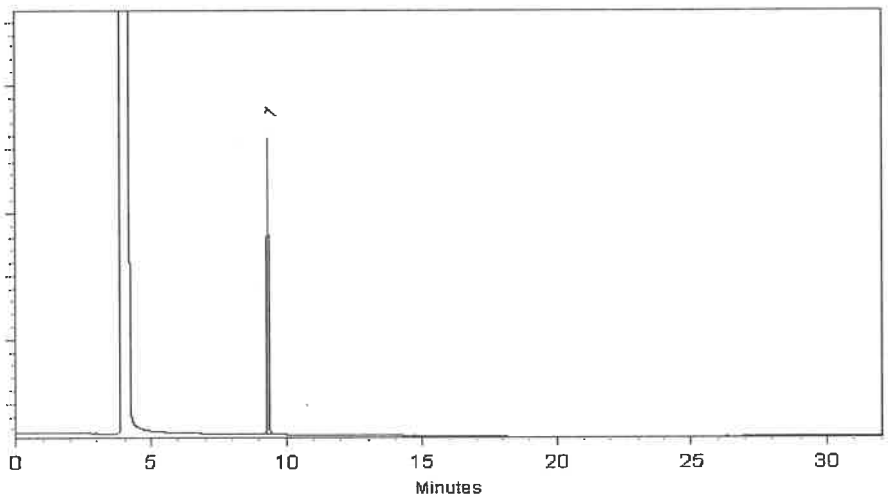
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

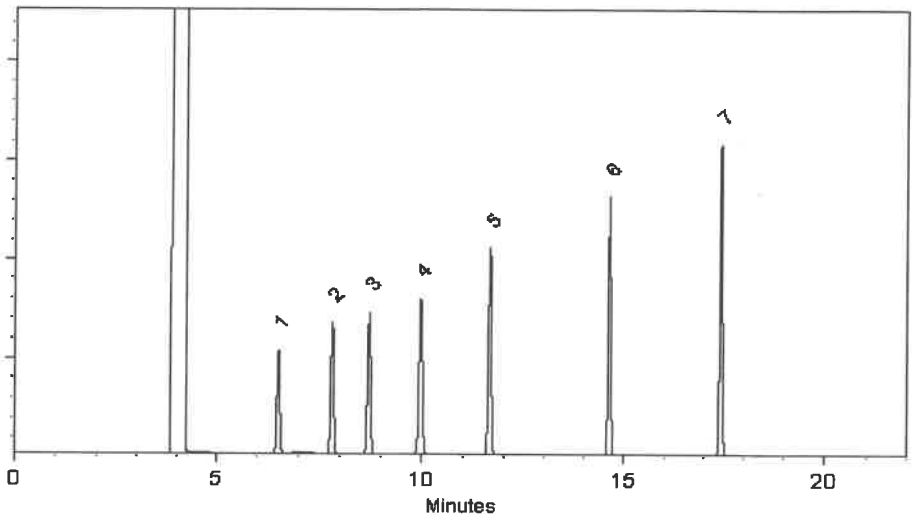
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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:

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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.)

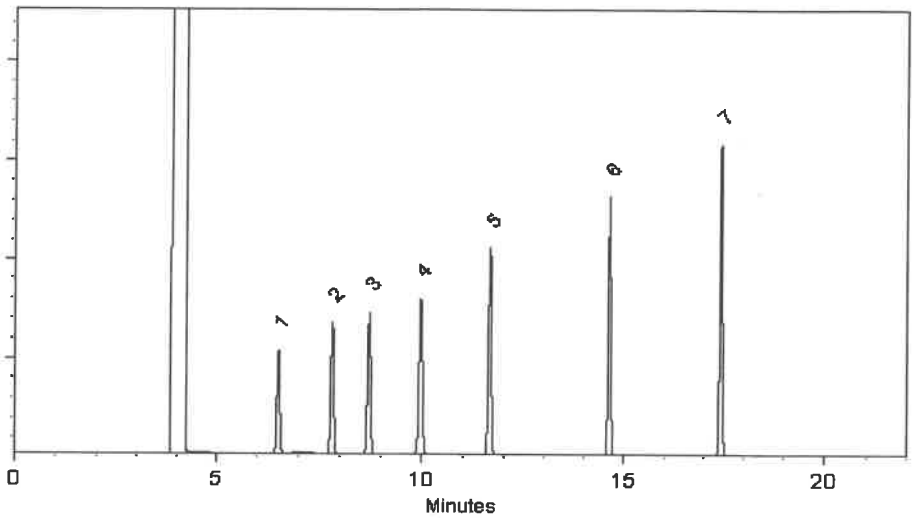
Inj. Temp:
200°C

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:

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- 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:

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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. : 30091 **Lot No.:** A0209905

Description : L/C VOA Internal Standard Mix

L/C Internal Std 2500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 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	1,4-Difluorobenzene	540-36-3	MKCS8657	99%	2,508.0 µg/mL	+/- 142.0596
2	Chlorobenzene-d5	3114-55-4	PR-31132	99%	2,512.0 µg/mL	+/- 142.2862
3	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,512.0 µg/mL	+/- 142.2862

* 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.)

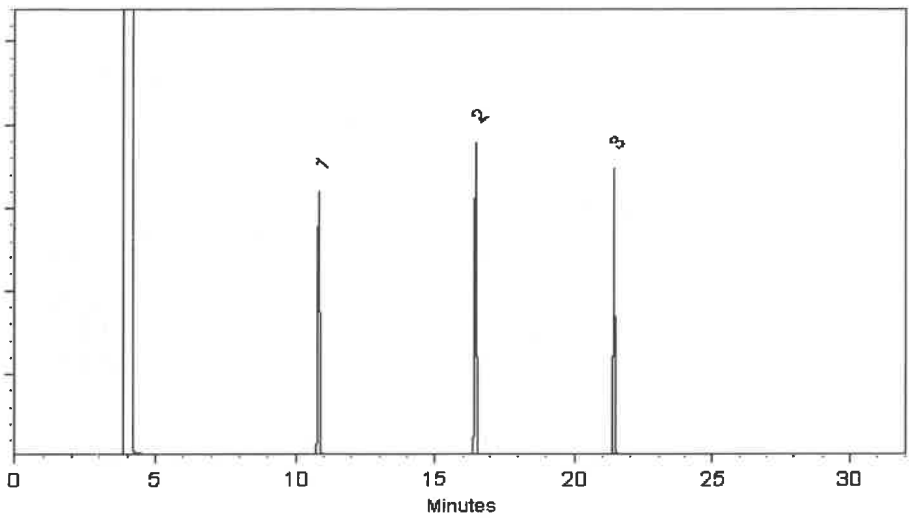
Inj. Temp:
200°C

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.

Ethan Winiarski - Operations Tech I

Date Mixed: 05-Apr-2024 **Balance Serial #** 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 08-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Certificate of Analysis

gravimetric

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618

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 : July 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	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* 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.)

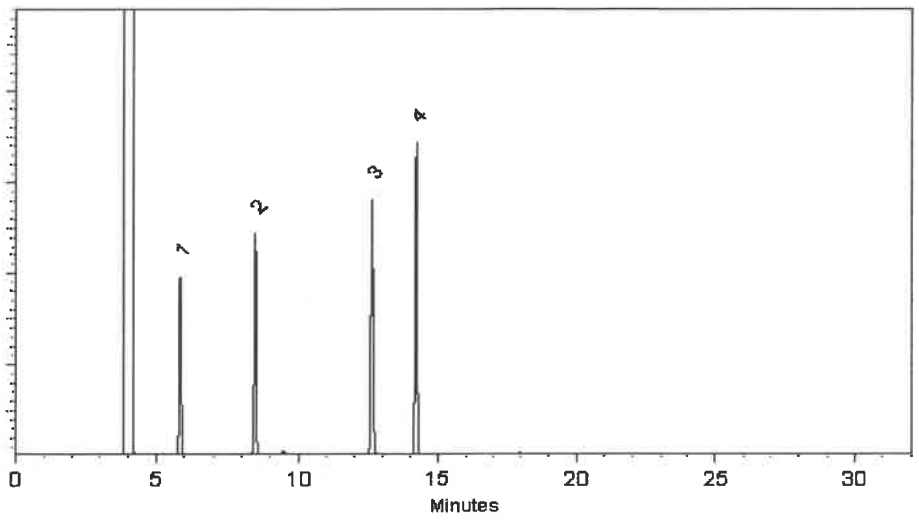
Inj. Temp:
200°C

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.

Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-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:

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- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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Manufacturing Notes:

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Handling Notes:

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618

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 : July 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	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* 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.)

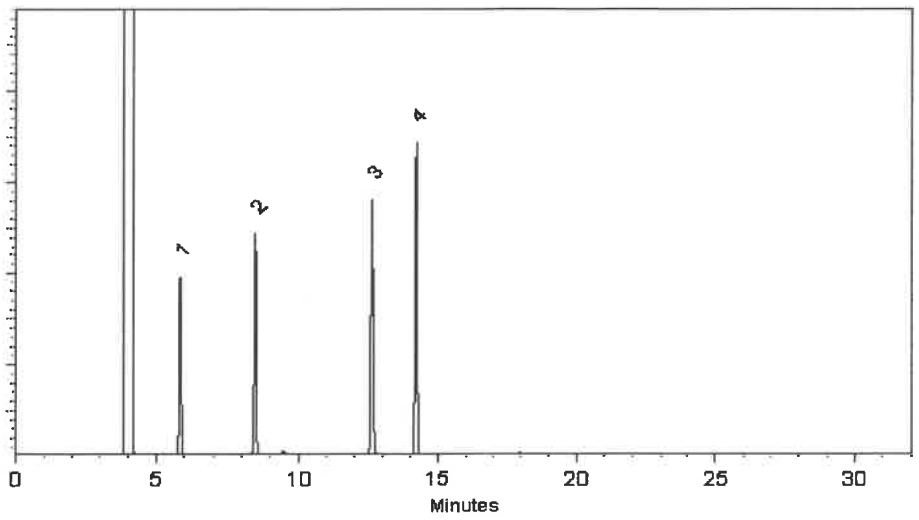
Inj. Temp:
200°C

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.

Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-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.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618

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 : July 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	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* 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.)

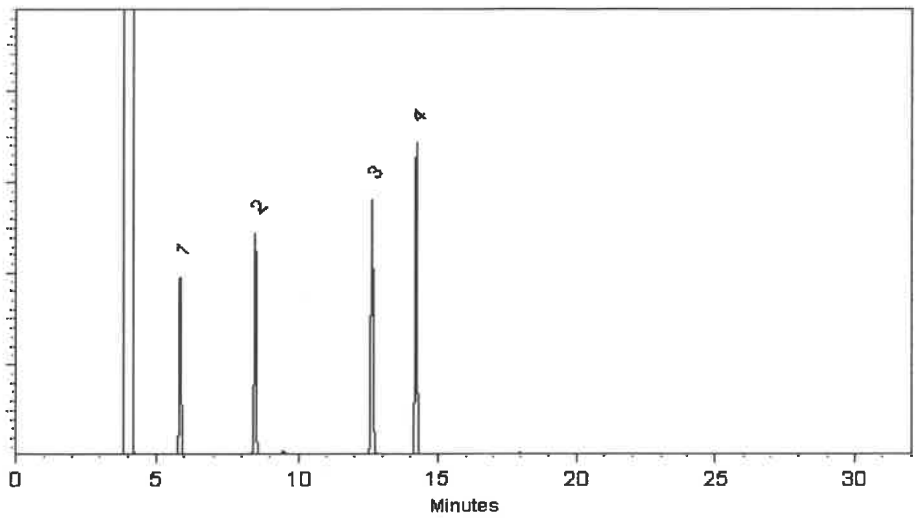
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Catalog No. : 30006 **Lot No.:** A0210618

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 : July 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	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
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* 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.)

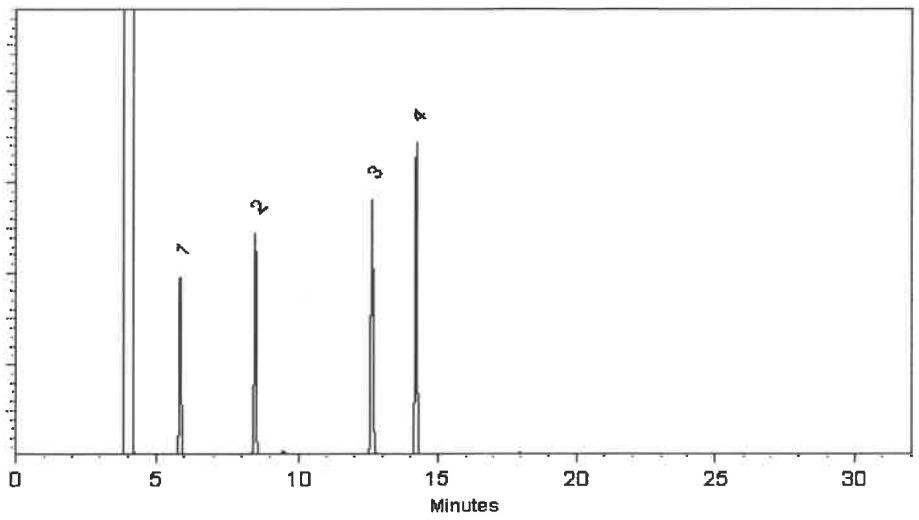
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Certificate #3222.02

Certificate of Analysis

chromatographic plus

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. : 30624 **Lot No.:** A0211457

Description : SOM 01.1 VOA DMC Non-Ketones Standard

SOM 01.1 VOA DMC Non-Ketones Standard 500µg/mL, Methanol-OD, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 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	Vinyl Chloride-d3	6745-35-3	PR-26294	99%	515.3 µg/mL	+/- 42.5161
2	Chloroethane-d5	19199-91-8	PR-19060	99%	498.2 µg/mL	+/- 40.0866
3	1,1-Dichloroethylene-d2	22280-73-5	PR-21050	99%	503.0 µg/mL	+/- 28.2630
4	Chloroform-d	865-49-6	A0219685001	99%	503.0 µg/mL	+/- 28.2630
5	1,2-Dichloroethane-d4	17060-07-0	PR-33313	99%	503.0 µg/mL	+/- 28.2630
6	Benzene-d6	1076-43-3	PR-33510	99%	501.0 µg/mL	+/- 28.1506
7	1,2-Dichloropropane-d6	93952-08-0	Z-322	99%	503.0 µg/mL	+/- 28.2630
8	1,3-Dichloropropene-d4 (cis/ trans mixture) 58% cis Isomer; 42% trans Isomer	202656-23-3	Z-181	99%	504.0 µg/mL	+/- 28.3192
9	Toluene-d8	2037-26-5	PR-34141	99%	503.0 µg/mL	+/- 28.2630
10	1,1,2,2-Tetrachloroethane-d2	33685-54-0	F465P1	99%	502.0 µg/mL	+/- 28.2068
11	1,2-Dichlorobenzene-d4	2199-69-1	PR-32597	99%	503.0 µg/mL	+/- 28.2630

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol-OD
CAS # 1455-13-6
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant pressure 30 psi

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

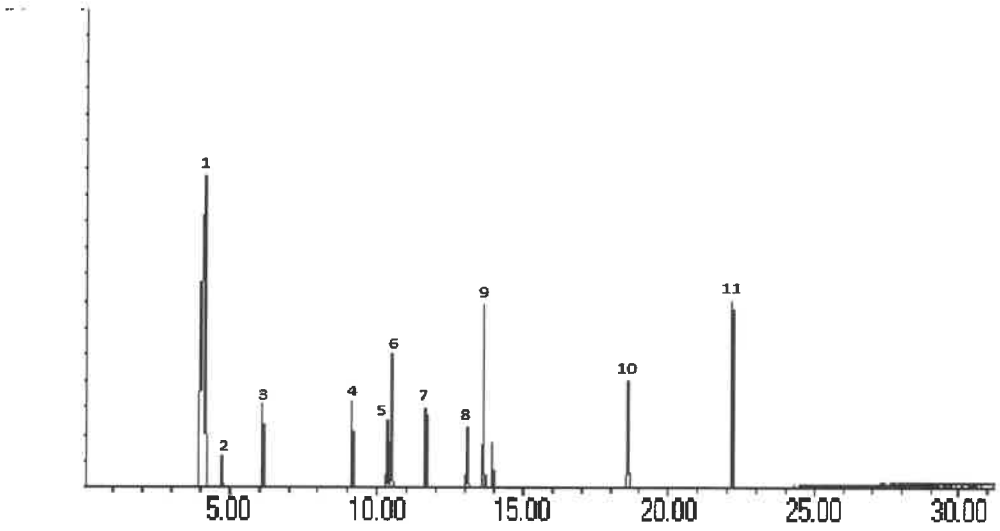
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
25.0 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: 15-May-2024 **Balance Serial #** 1128342314

Dillan Murphy - Operations Technician I

Date Passed: 17-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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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. : 30625 **Lot No.:** A0216280

Description : OLC 3.2 VOA Deuterated Monitoring Compounds

OLC 3.2 VOA Ketone Deuterated Monitoring Compounds 500µg/mL, Deuterium Oxide, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2026 **Storage:** 10°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	2-Butanone-d5	24313-50-6	M-276	99%	504.0 µg/mL	+/- 17.5357
2	2-Hexanone-d5	4840-82-8	GH-242	99%	502.0 µg/mL	+/- 17.4661

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Deuterium oxide

CAS # 7789-20-0

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.)

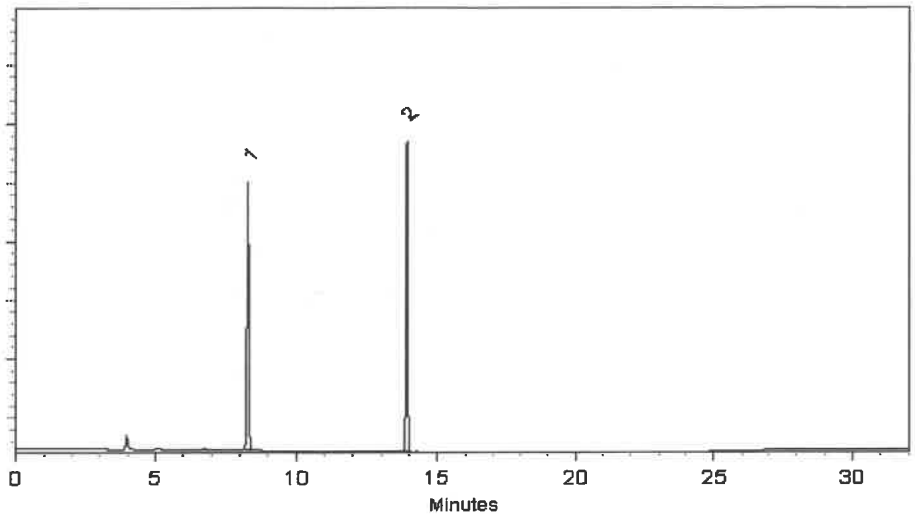
Inj. Temp:
200°C

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.

Richard Zimmerman - Operations Tech I

Date Mixed: 10-Sep-2024 **Balance Serial #** B251644995

Dillan Murphy - Operations Technician I

Date Passed: 12-Sep-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.
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Catalog No. : 30625 **Lot No.:** A0216280

Description : OLC 3.2 VOA Deuterated Monitoring Compounds

OLC 3.2 VOA Ketone Deuterated Monitoring Compounds 500µg/mL, Deuterium Oxide, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2026 **Storage:** 10°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	2-Butanone-d5	24313-50-6	M-276	99%	504.0 µg/mL	+/- 17.5357
2	2-Hexanone-d5	4840-82-8	GH-242	99%	502.0 µg/mL	+/- 17.4661

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Deuterium oxide

CAS # 7789-20-0

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.)

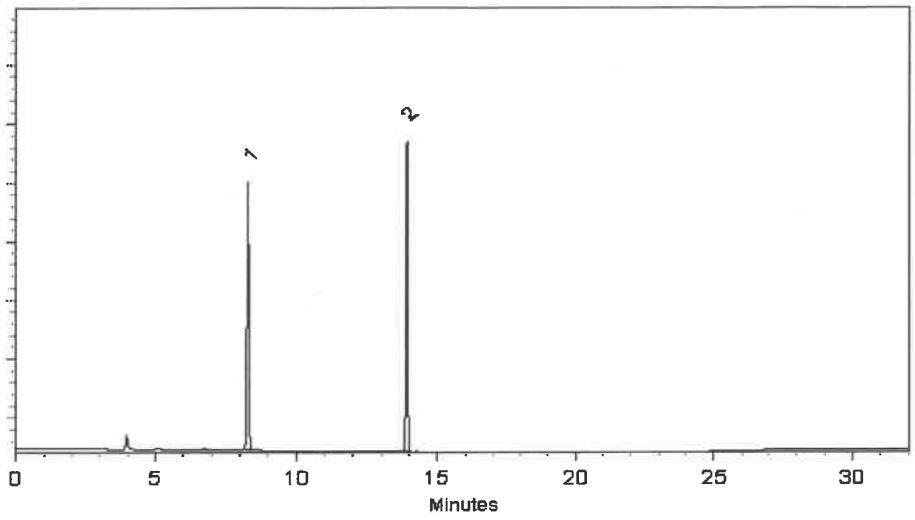
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Richard Zimmerman - Operations Tech I

Date Mixed: 10-Sep-2024 **Balance Serial #** B251644995

Dillan Murphy - Operations Technician I

Date Passed: 12-Sep-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.
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30 Vial

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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.:** A0216826

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 : May 31, 2031 **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	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* 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.

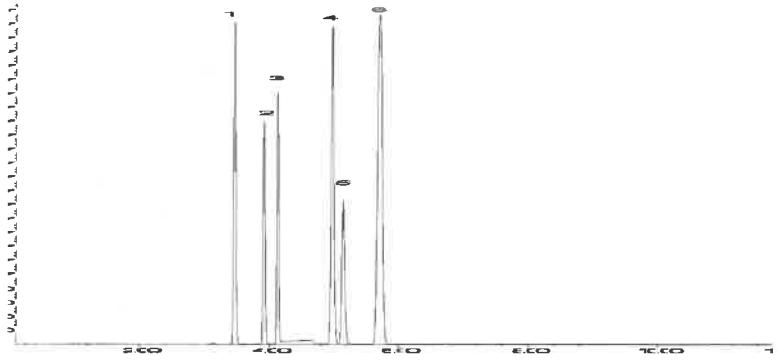
Inj. Temp:
200°C

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: 23-Sep-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-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.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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Catalog No. : 30042 **Lot No.:** A0216826

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 : May 31, 2031 **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	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* 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.

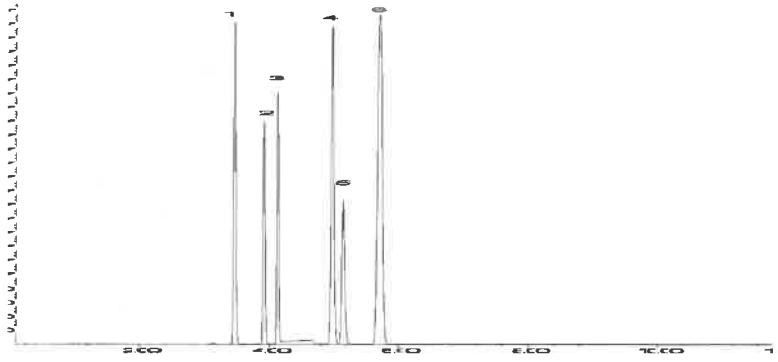
Inj. Temp:
200°C

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: 23-Sep-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

30 Vial

Certificate of Analysis

chromatographic plus

V14727 to
V14756

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ISO 17034 Accredited
Reference Material Producer
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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.:** A0216826

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 : May 31, 2031 **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	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* 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.

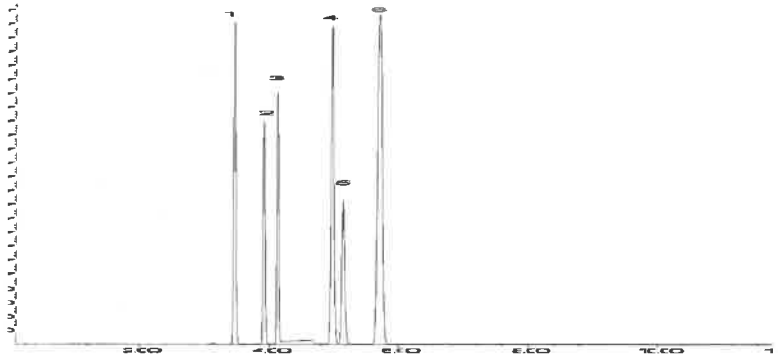
Inj. Temp:
200°C

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: 23-Sep-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA 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. : 30625 **Lot No.:** A0219189

Description : OLC 3.2 VOA Deuterated Monitoring Compounds

OLC 3.2 VOA Ketone Deuterated Monitoring Compounds 500µg/mL, Deuterium Oxide, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2026 **Storage:** 10°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	2-Butanone-d5	24313-50-6	HJ-279	99%	504.0 µg/mL	+/- 17.5357
2	2-Hexanone-d5	4840-82-8	I-500	99%	504.0 µg/mL	+/- 17.5357

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Deuterium oxide
CAS # 7789-20-0
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.)

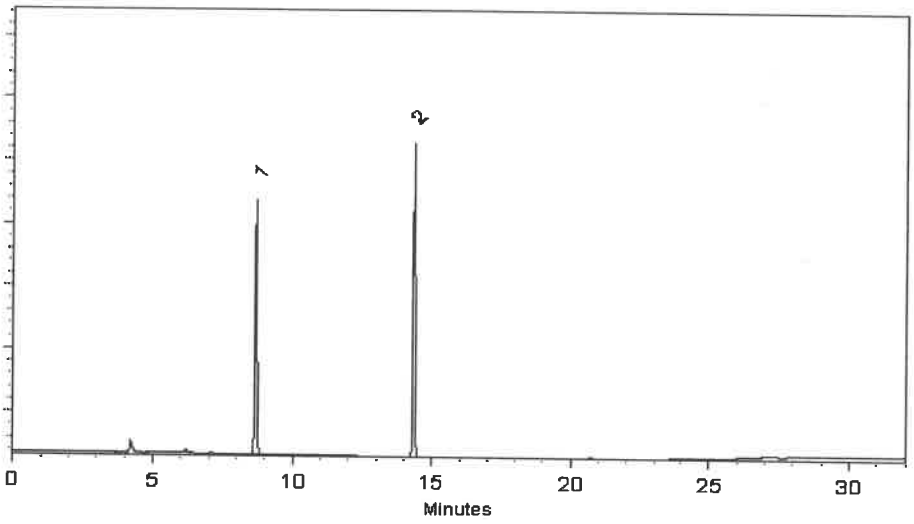
Inj. Temp:
200°C

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.

Aaron Enyart - Operations Tech I

Date Mixed: 15-Nov-2024 **Balance Serial #** B345965662

Dillan Murphy - Operations Technician I

Date Passed: 19-Nov-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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ilac-MRA A2LA 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. : 30625 **Lot No.:** A0219189

Description : OLC 3.2 VOA Deuterated Monitoring Compounds

OLC 3.2 VOA Ketone Deuterated Monitoring Compounds 500µg/mL, Deuterium Oxide, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2026 **Storage:** 10°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	2-Butanone-d5	24313-50-6	HJ-279	99%	504.0 µg/mL	+/- 17.5357
2	2-Hexanone-d5	4840-82-8	I-500	99%	504.0 µg/mL	+/- 17.5357

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Deuterium oxide
CAS # 7789-20-0
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.)

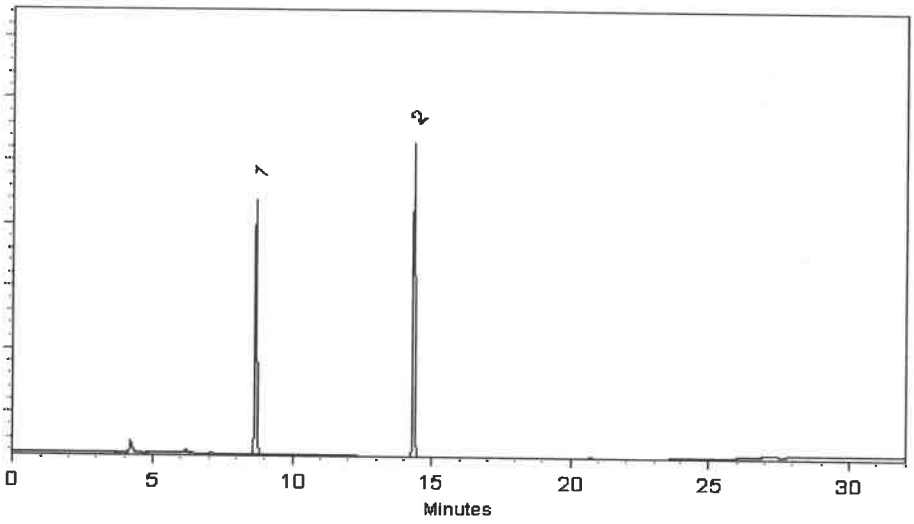
Inj. Temp:
200°C

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.

Aaron Enyart - Operations Tech I

Date Mixed: 15-Nov-2024 **Balance Serial #** B345965662

Dillan Murphy - Operations Technician I

Date Passed: 19-Nov-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.

Zoviny Rec 01/08/21

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic

V14803 - V14822

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.:** A0220471

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, 2026 **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	RD240423RSR	99%	8,066.0 µg/mL	+/- 278.7979

* 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.)

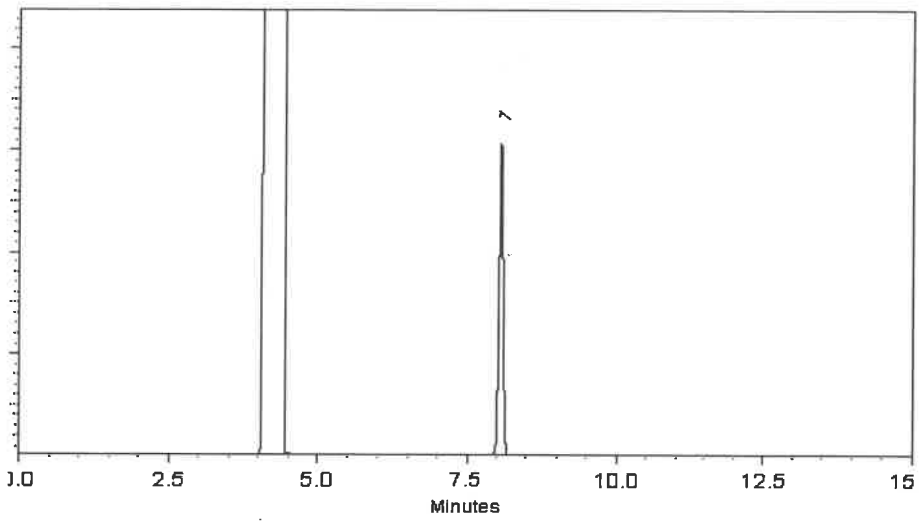
Inj. Temp:
200°C

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.

Ethan Winiarski - Operations Tech I

Date Mixed: 24-Dec-2024 **Balance Serial #** 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED

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.

10 vial Rec 01/08/25

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CERTIFIED REFERENCE MATERIAL

ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic

V14793 to 14802

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-FL **Lot No.:** A0220563

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, 2026 **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	RD240423RSR	99%	8,060.0 µg/mL	+/- 278.5905

* 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.)

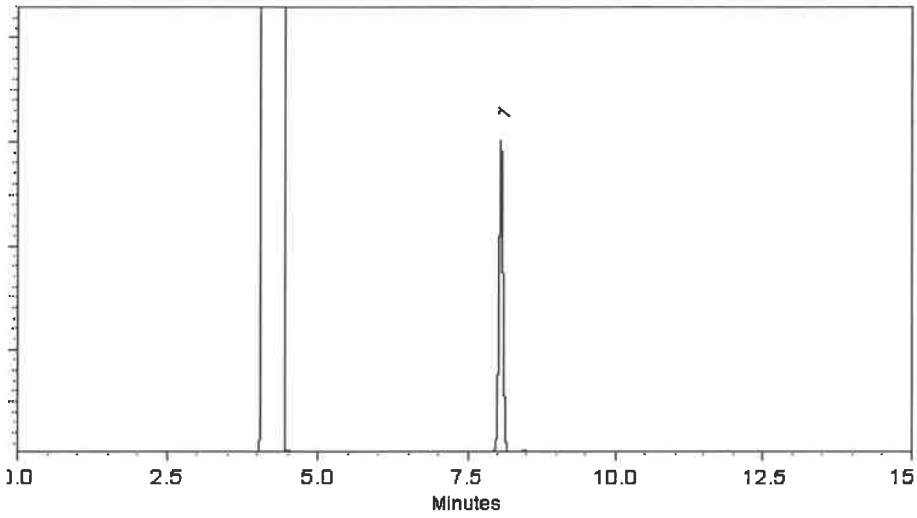
Inj. Temp:
200°C

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.

Tom Suckar - Mix Technician

Date Mixed: 30-Dec-2024 **Balance Serial #** B345965662

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED

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

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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

Q1211

Weston COC ID
Weston_20250128_1605

Chain of Custody Record/Lab Work Request

Page	1	of	1

Client:	Weston Solutions, Inc.		
Project Manager:	David Sembrot		
Street Address:	1400 Weston Way	City:	West Chester
Phone:	610-314-5456	ST, ZIP:	PA, 19038
e-mail:	david.sembrot@westonsolutions.com		
Sampled By:	Cheyenne Harrington		

Project Name:	Fort Meade RI	**Project POC:**	Nathan Fretz
PO Number	0111169	**Phone:**	484-524-5665
W.O. #:		**POC e-mail:**	nathan.fretz@westonsolutions.com
Lab:	CHEMTECH	**Lab POC:**	Yazmeen Gomez
TAT (days):	21	**Lab Phone:**	908-728-3144
Lab Address:	284 Sheffield Street Mountainside, NJ 07092		

Matrix Codes
SS - Soil
SE - Sediment
SO - Solid
SL - Sludge
GW - Groundwater
W - Water
SB - Soil Boring
A - Air
DS - Drum Solids
DL - Drum Liquids
L - EP/TCLP Leachate
WI - Wipe
X - Other
F - Fish

Lab Use Only		
Temperature of cooler when received (°C)		
COC Tape was present and unbroken on outer package?	Y	N
Samples received in good condition?	Y	N
Labels indicate properly preserved?	Y	N
Received within holding times?	Y	N
Discrepancies between sample labels and COC record?	Y	N

#	Sample ID	G/C	Matrix	# Cont	MS/MSD	Date Collected	Time Collected	DRO by EPA 8015D	Pesticides by EPA 8081B	SVOCs by EPA 8270E	O&G by EPA 1664A	Hardness by EPA 200	Anions by EPA 9056A	TOC by EPA 9060A/Lloyd Kahn	GRO by EPA 8015D	VOCs by EPA 8260D	Hex Cr by EPA	Ammonia by SM4500-NH3 B P	Metals w Hg by EPA 6020B/7470A	Special Instructions/Comments
	Analyses Requested:																			
	Container Type:							Amber	Amber	Amber	Glass	Plastic	Plastic	Vial	Vial	Vial	Plastic	Plastic	Plastic	
	Container Size:							1 L	1 L	1 L	1 L	1 L	1 L	40 mL	40 mL	40 mL	500 mL	500 mL	500 mL	
	Preservative:							Ice to 0-6	Ice to 0-6	Ice to 0-6	H2SO4 to <	HNO3 to pH	Ice to 0-6	H2SO4 to <	HCL to PH	HCL to Ph	Ammonium	H2SO4; Ice	HNO3 to pH	
1	TAPHHA-MW01-012825-00-T4	g	GW	19	no	1/28/2025	12:00	X	X	X	X	X	X	X	X	X	X	X	X	
2	TAPIAL2-MW03-012825-00-T3	g	GW	19	no	1/28/2025	14:55	X	X	X	X	X	X	X	X	X	X	X	X	
3	TAP-TB-02-012825-T4	g	W	2	no	1/28/2025	12:05									X				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

Shipping Airbill Number: 771732954230, 771732954240

Cooler Number: 1/2 of 2

	Relinquished By	Date	Time	Received By	Date	Time
1.)		1/28/25	1710		1-29-25	10:00
2.)						
3.)						

Additional Comments

QSM 6.0 Compliant

Deliverable Requirements: DoD Level IV report, EnviroData EDD, and ERIS-compatible EDD

2.1°C, 2.8°C

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 : Q1211 WEST04
Client Name : Weston Solutions
Client Contact : Nathan Fretz
Invoice Name : Weston Solutions
Invoice Contact : Nathan Fretz

Order Date : 1/29/2025 10:10:00 AM
Project Name : Ft Meade Tipton Airfield Pa
Receive DateTime : 1/29/2025 10:00:00 AM
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : SEDD 2A
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1211-01	~~TPHHA~~-MW01-012825-00-T4 TAPHHA YG 02/04/25	Water	01/28/2025	12:00	VOC-TCLVOA-10		8260D		10 Bus. Days
Q1211-02	TAPIAL2-MW03-012825-00-T3	Water	01/28/2025	14:55	VOC-TCLVOA-10		8260D		10 Bus. Days
Q1211-03	TAP-TB-02-012825-T4	Water	01/28/2025	12:05	VOC-TCLVOA-10		8260D		10 Bus. Days

Relinguished By : CR
Date / Time : 1-29-25 1126

Received By : Jam
Date / Time : 1/29/25 11:25 Light 5

Storage Area : VOA Refridgerator Room

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085438.D
Acq On : 14 Jan 2025 14:56
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Quant Time: Jan 15 01:41:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	202613	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	329363	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	298938	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	146196	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	313645	95.899	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 191.800%#			
35) Dibromofluoromethane	8.159	113	236159	103.353	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 206.700%#			
50) Toluene-d8	10.565	98	881956	108.636	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 217.280%#			
62) 4-Bromofluorobenzene	12.847	95	313161	112.765	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 225.520%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	269023	98.065	ug/l	99
3) Chloromethane	2.359	50	275415	92.724	ug/l	98
4) Vinyl Chloride	2.512	62	282361	94.576	ug/l	99
5) Bromomethane	2.942	94	158888	88.105	ug/l	98
6) Chloroethane	3.112	64	176111	93.043	ug/l	99
7) Trichlorofluoromethane	3.494	101	423967	97.870	ug/l	100
8) Diethyl Ether	3.953	74	146889	98.154	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	239104	97.997	ug/l	99
10) Methyl Iodide	4.589	142	292983	104.856	ug/l	95
11) Tert butyl alcohol	5.512	59	173044	462.061	ug/l	99
12) 1,1-Dichloroethene	4.336	96	222117	102.146	ug/l	99
13) Acrolein	4.171	56	275350	538.600	ug/l	99
14) Allyl chloride	5.018	41	349717	99.111	ug/l	98
15) Acrylonitrile	5.712	53	585370	492.095	ug/l	99
16) Acetone	4.418	43	483221	457.268	ug/l	96
17) Carbon Disulfide	4.712	76	630294	94.140	ug/l	100
18) Methyl Acetate	5.012	43	304226	94.674	ug/l	99
19) Methyl tert-butyl Ether	5.788	73	743008	105.230	ug/l	100
20) Methylene Chloride	5.271	84	254912	97.440	ug/l	98
21) trans-1,2-Dichloroethene	5.783	96	231503	99.618	ug/l	97
22) Diisopropyl ether	6.665	45	820871	104.812	ug/l	99
23) Vinyl Acetate	6.594	43	3029568	550.850	ug/l	99
24) 1,1-Dichloroethane	6.565	63	471831	98.803	ug/l	99
25) 2-Butanone	7.477	43	764979	491.912	ug/l	98
26) 2,2-Dichloropropane	7.482	77	388140	100.530	ug/l	100
27) cis-1,2-Dichloroethene	7.482	96	280197	102.367	ug/l	99
28) Bromochloromethane	7.806	49	214796	96.679	ug/l	100
29) Tetrahydrofuran	7.830	42	503459	510.635	ug/l	99
30) Chloroform	7.959	83	484941	98.253	ug/l	100
31) Cyclohexane	8.253	56	398641	96.041	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	426782	98.578	ug/l	98
36) 1,1-Dichloropropene	8.365	75	342961	106.945	ug/l	100
37) Ethyl Acetate	7.553	43	326802	100.961	ug/l	97
38) Carbon Tetrachloride	8.359	117	378390	103.065	ug/l	97
39) Methylcyclohexane	9.594	83	371734	123.354	ug/l	99
40) Benzene	8.600	78	1021393	106.001	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085438.D
Acq On : 14 Jan 2025 14:56
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Quant Time: Jan 15 01:41:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	184326	109.454	ug/l		96
42) 1,2-Dichloroethane	8.665	62	374938	103.314	ug/l		100
43) Isopropyl Acetate	8.682	43	549969	106.035	ug/l		100
44) Trichloroethene	9.347	130	238296	106.242	ug/l		96
45) 1,2-Dichloropropane	9.618	63	256964	104.405	ug/l		97
46) Dibromomethane	9.706	93	180990	101.913	ug/l		99
47) Bromodichloromethane	9.882	83	388499	107.377	ug/l		98
48) Methyl methacrylate	9.676	41	267689	114.685	ug/l		99
49) 1,4-Dioxane	9.688	88	83879	2133.992	ug/l		97
51) 4-Methyl-2-Pentanone	10.441	43	1643800	546.159	ug/l		100
52) Toluene	10.623	92	634743	113.689	ug/l		99
53) t-1,3-Dichloropropene	10.829	75	391238	114.424	ug/l		97
54) cis-1,3-Dichloropropene	10.306	75	410403	112.369	ug/l		99
55) 1,1,2-Trichloroethane	11.012	97	229522	103.879	ug/l		98
56) Ethyl methacrylate	10.870	69	383663	101.029	ug/l		99
57) 1,3-Dichloropropane	11.159	76	412886	107.469	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.153	63	848636	605.243	ug/l		100
59) 2-Hexanone	11.194	43	1178831	556.643	ug/l		99
60) Dibromochloromethane	11.353	129	283361	106.227	ug/l		99
61) 1,2-Dibromoethane	11.465	107	230104	104.623	ug/l		98
64) Tetrachloroethene	11.100	164	209870	102.980	ug/l		98
65) Chlorobenzene	11.888	112	677679	103.482	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	241593	100.517	ug/l		99
67) Ethyl Benzene	11.959	91	1239080	116.169	ug/l		99
68) m/p-Xylenes	12.070	106	927244	235.219	ug/l		99
69) o-Xylene	12.394	106	441279	117.135	ug/l		100
70) Styrene	12.406	104	760136	121.919	ug/l		99
71) Bromoform	12.576	173	186124	108.227	ug/l	#	99
73) Isopropylbenzene	12.694	105	1146752	116.221	ug/l		100
74) N-amyl acetate	12.488	43	489217	110.308	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	327767	94.039	ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	446237	150.413	ug/l		47
77) Bromobenzene	12.976	156	268616	104.200	ug/l		97
78) n-propylbenzene	13.029	91	1385353	118.600	ug/l		100
79) 2-Chlorotoluene	13.123	91	822258	108.767	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	953066	116.938	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	122508	111.544	ug/l		87
82) 4-Chlorotoluene	13.217	91	832317	110.574	ug/l		99
83) tert-Butylbenzene	13.435	119	797069	116.457	ug/l		98
84) 1,2,4-Trimethylbenzene	13.476	105	971729	119.625	ug/l		100
85) sec-Butylbenzene	13.611	105	1143885	120.587	ug/l		100
86) p-Isopropyltoluene	13.723	119	960747	100.111	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	502960	105.943	ug/l		99
88) 1,4-Dichlorobenzene	13.811	146	498709	101.341	ug/l		97
89) n-Butylbenzene	14.053	91	842368	123.781	ug/l		98
90) Hexachloroethane	14.329	117	188541	104.405	ug/l		100
91) 1,2-Dichlorobenzene	14.100	146	470919	99.445	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	63846	100.313	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	250787	113.946	ug/l		99
94) Hexachlorobutadiene	15.500	225	112899	96.619	ug/l		99
95) Naphthalene	15.635	128	756816	115.234	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	238860	107.256	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085438.D
Acq On : 14 Jan 2025 14:56
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Quant Time: Jan 15 01:41:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

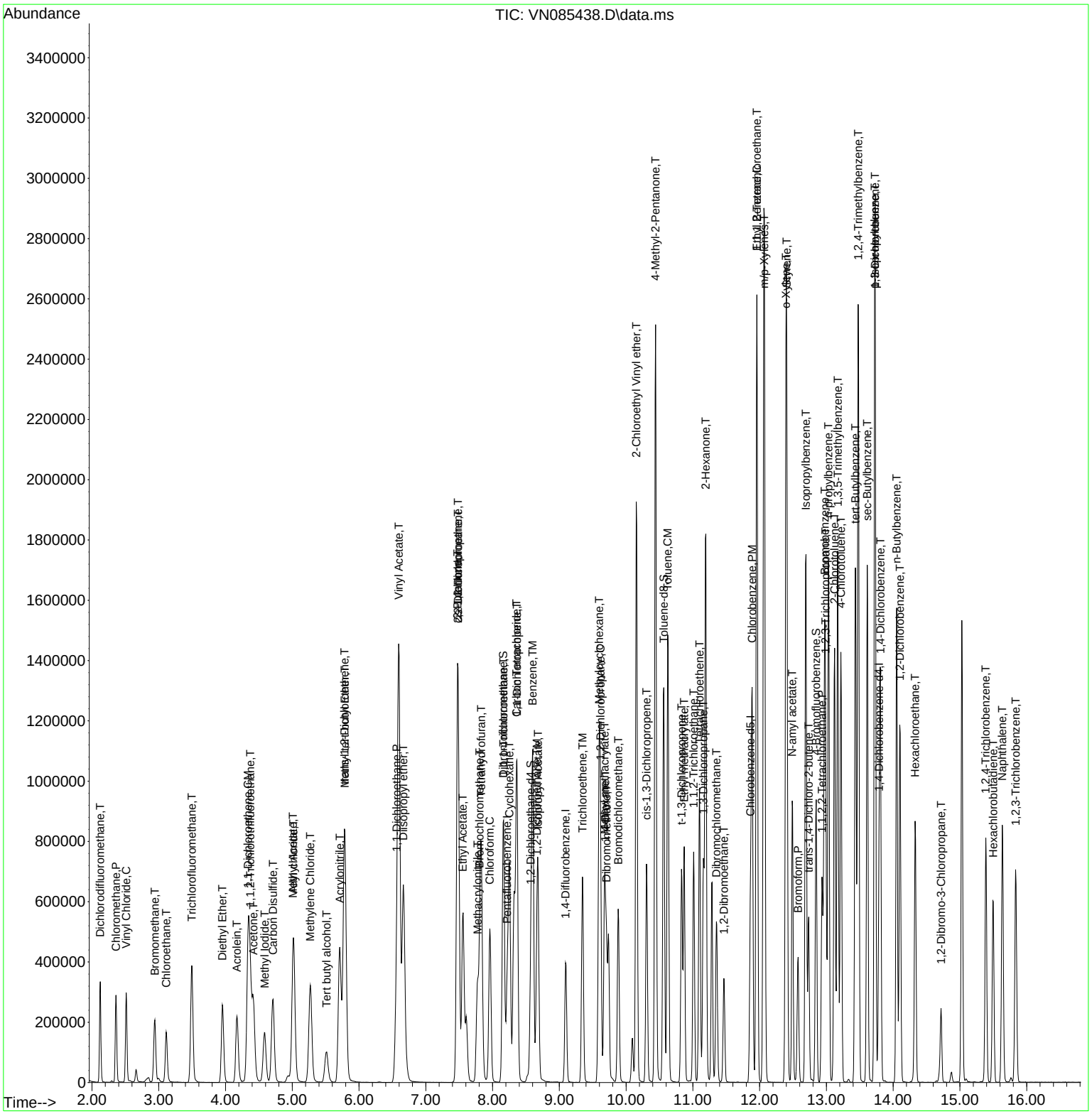
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

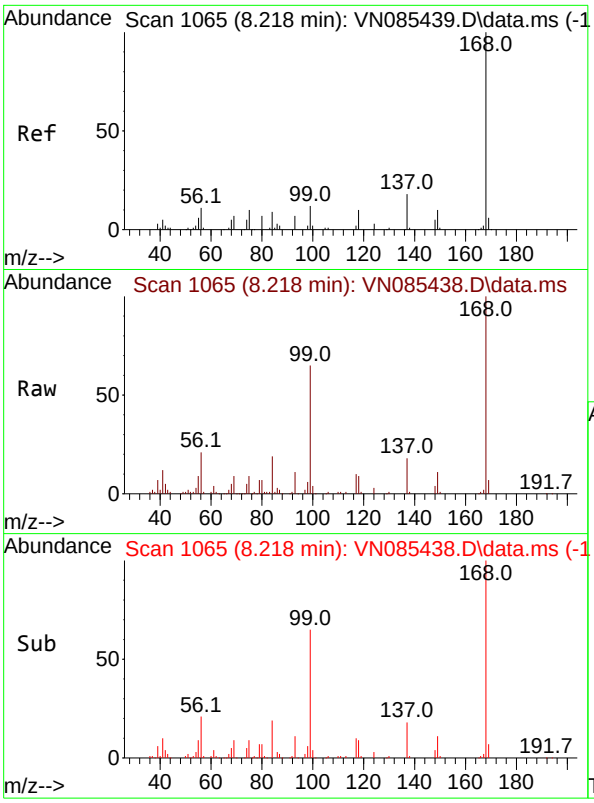
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085438.D
Acq On : 14 Jan 2025 14:56
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Quant Time: Jan 15 01:41:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration



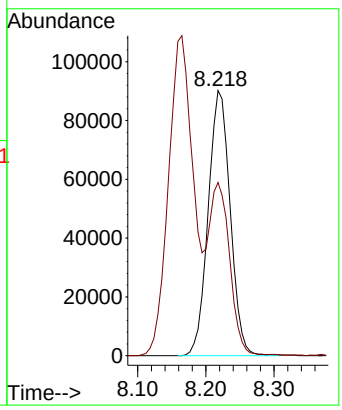


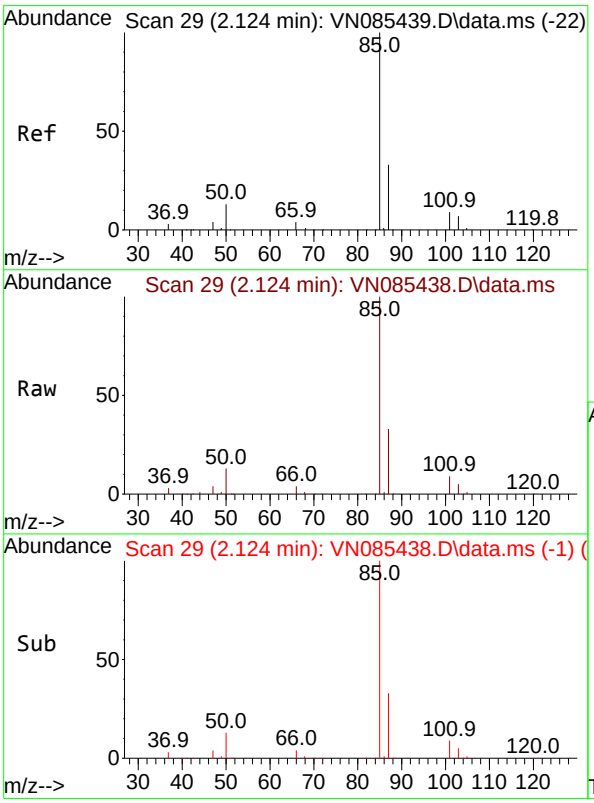
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 202613

Ion	Ratio	Lower	Upper
168	100		
99	64.9	53.6	80.4

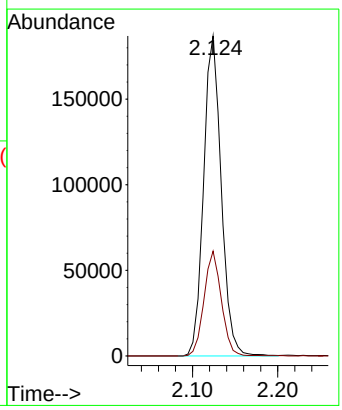


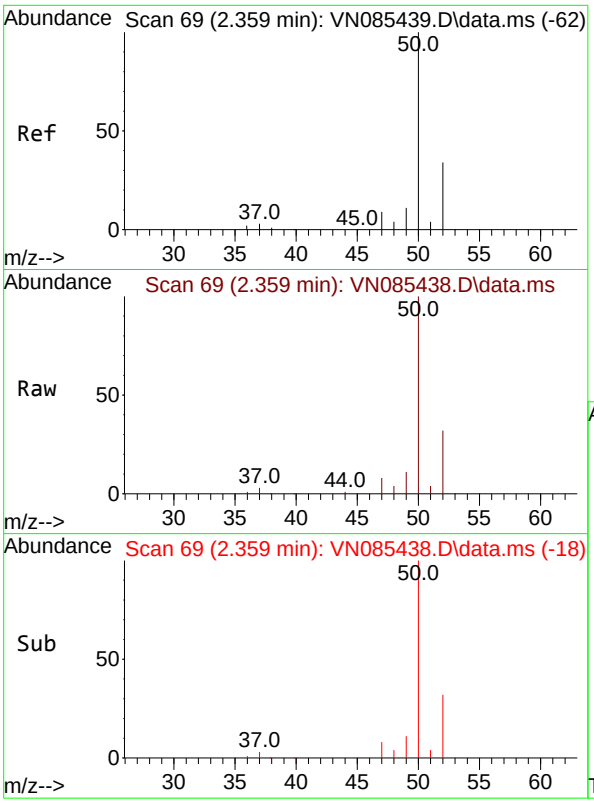


#2
Dichlorodifluoromethane
Concen: 98.065 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 85 Resp: 269023

Ion	Ratio	Lower	Upper
85	100		
87	32.7	16.7	50.1



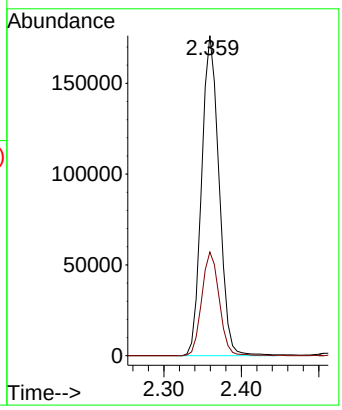


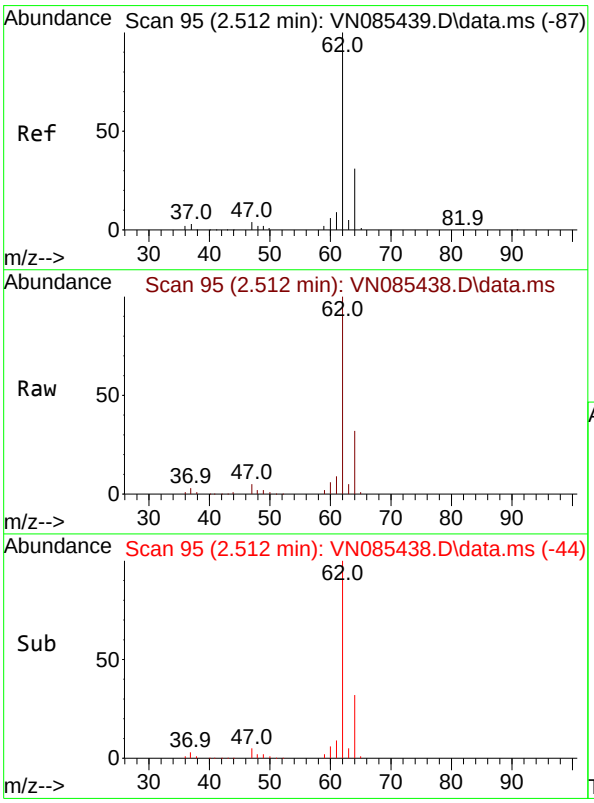
#3
Chloromethane
Concen: 92.724 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 275415

Ion	Ratio	Lower	Upper
50	100		
52	32.4	27.0	40.6

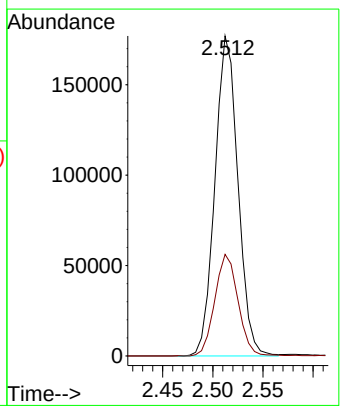


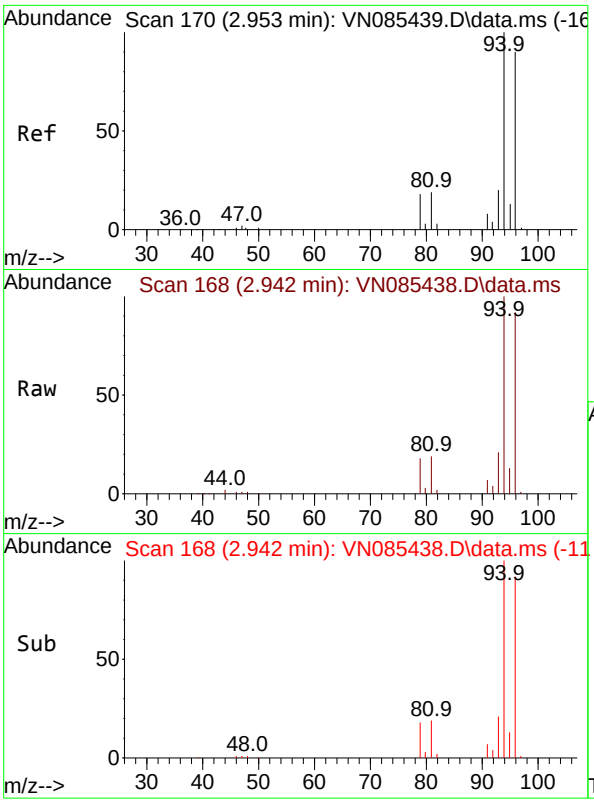


#4
Vinyl Chloride
Concen: 94.576 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 62 Resp: 282361

Ion	Ratio	Lower	Upper
62	100		
64	31.6	24.8	37.2



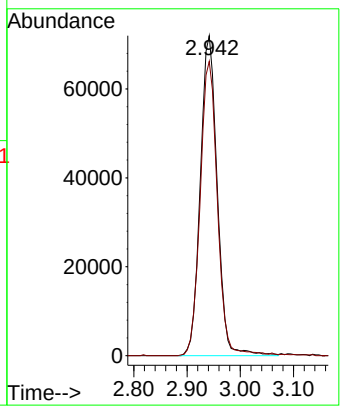


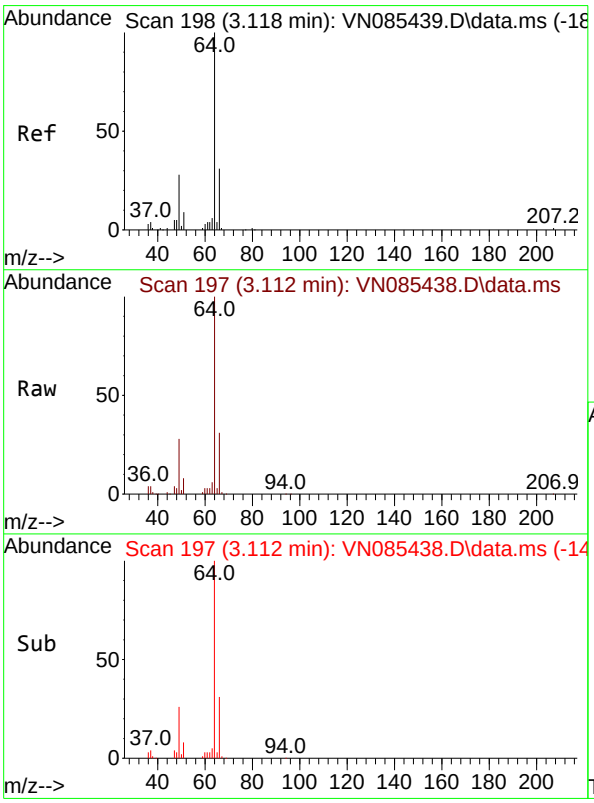
#5
Bromomethane
Concen: 88.105 ug/l
RT: 2.942 min Scan# 1
Delta R.T. -0.012 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 158888

Ion	Ratio	Lower	Upper
94	100		
96	91.9	71.8	107.6

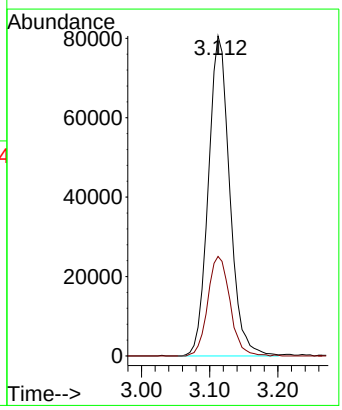


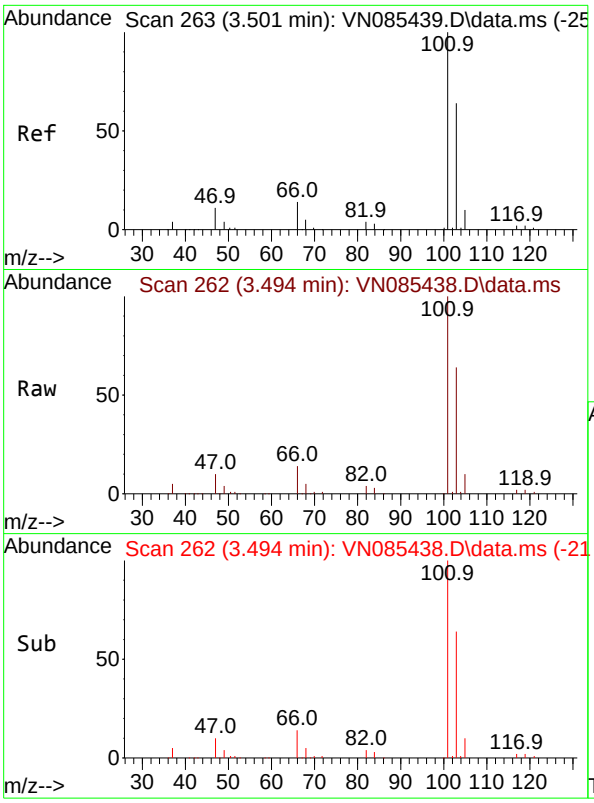


#6
Chloroethane
Concen: 93.043 ug/l
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 64 Resp: 176111

Ion	Ratio	Lower	Upper
64	100		
66	31.1	24.6	36.8



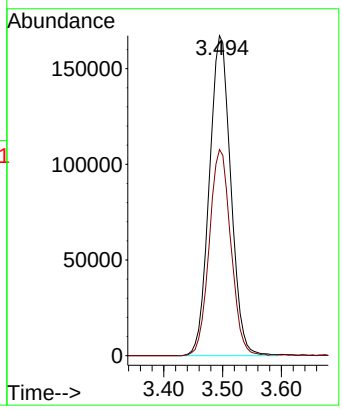


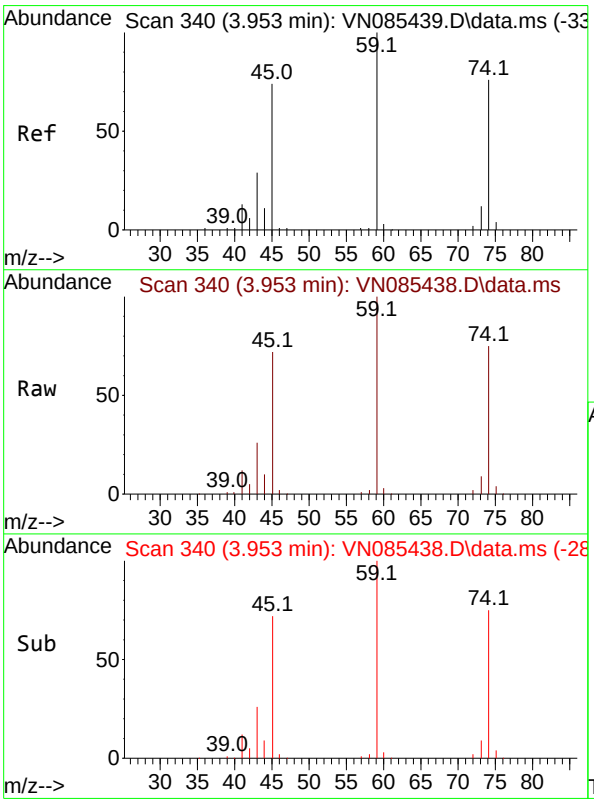
#7
Trichlorofluoromethane
Concen: 97.870 ug/l
RT: 3.494 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 423967

Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.4	77.2

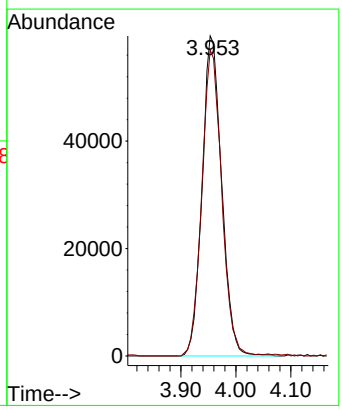


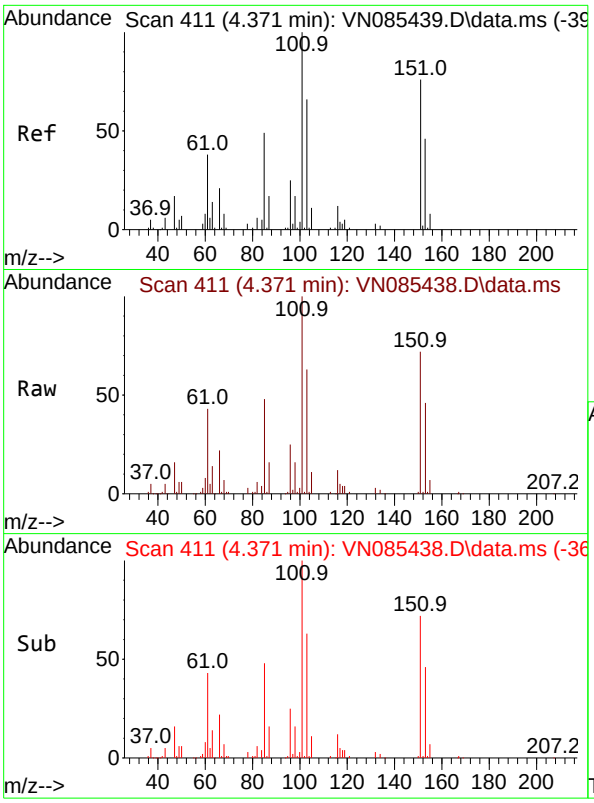


#8
Diethyl Ether
Concen: 98.154 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 74 Resp: 146889

Ion	Ratio	Lower	Upper
74	100		
45	97.4	49.7	149.1



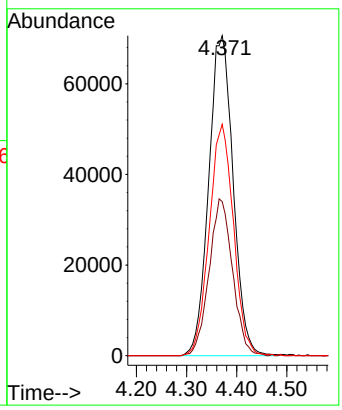


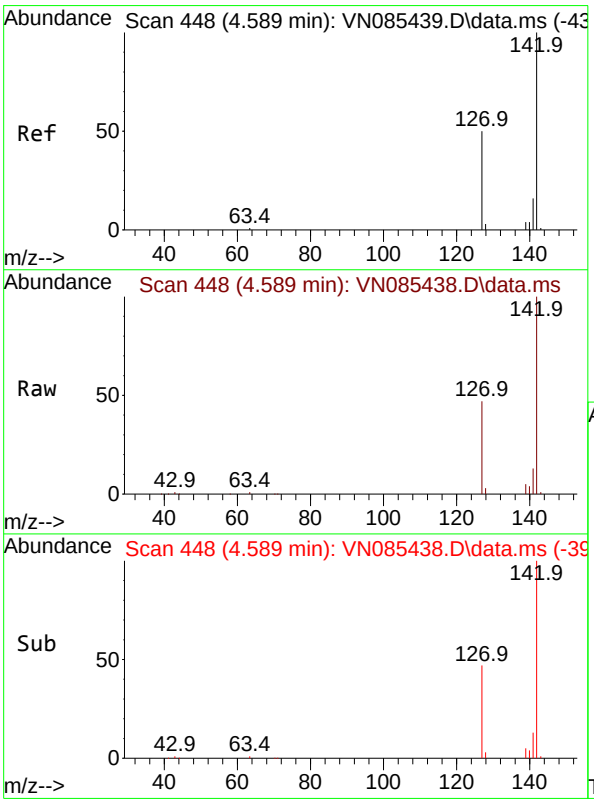
#9
1,1,2-Trichlorotrifluoroethane
Concen: 97.997 ug/l
RT: 4.371 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 239104

Ion	Ratio	Lower	Upper
101	100		
85	47.1	37.8	56.8
151	71.8	58.8	88.2

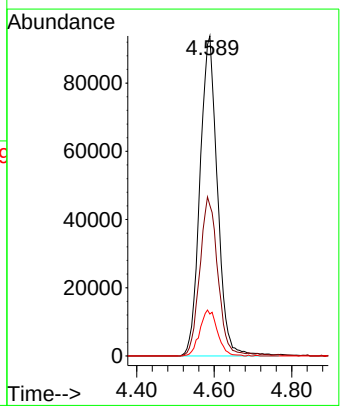


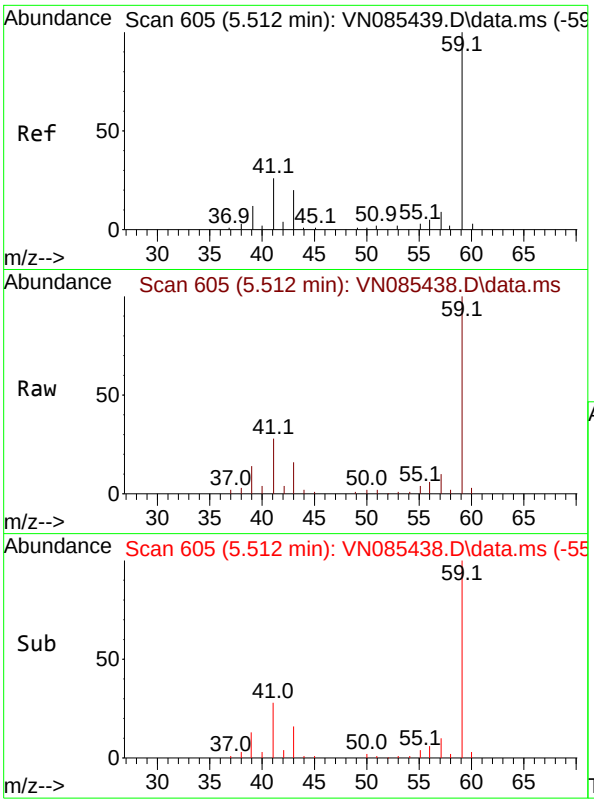


#10
Methyl Iodide
Concen: 104.856 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion:142 Resp: 292983

Ion	Ratio	Lower	Upper
142	100		
127	47.1	40.3	60.5
141	13.1	12.8	19.2



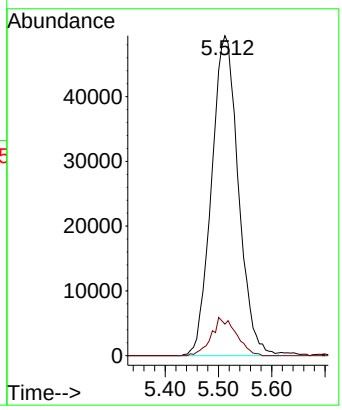


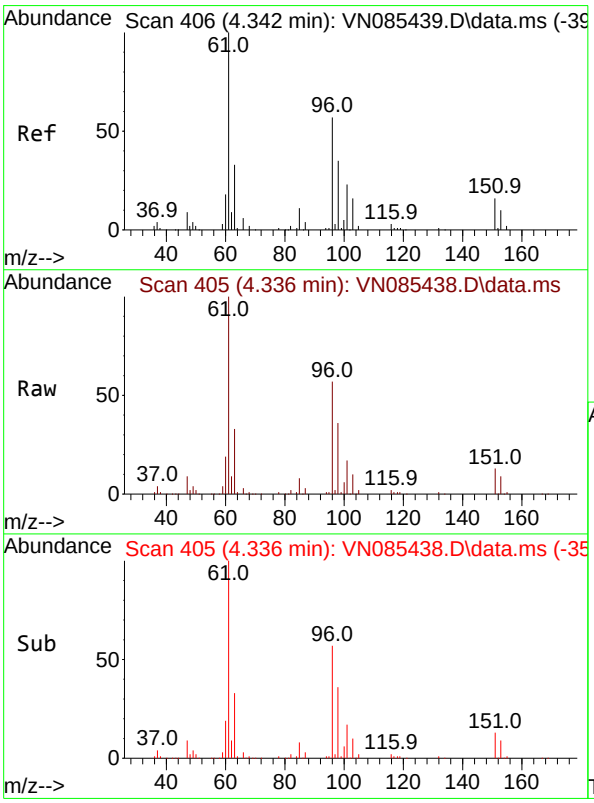
#11
Tert butyl alcohol
Concen: 462.061 ug/l
RT: 5.512 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 59 Resp: 173044

Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.6	13.0

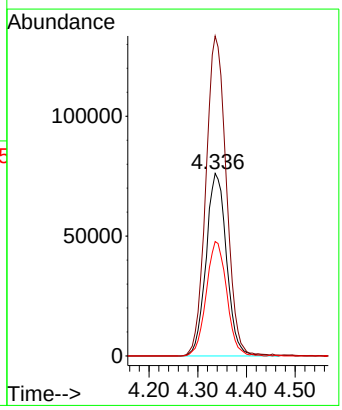


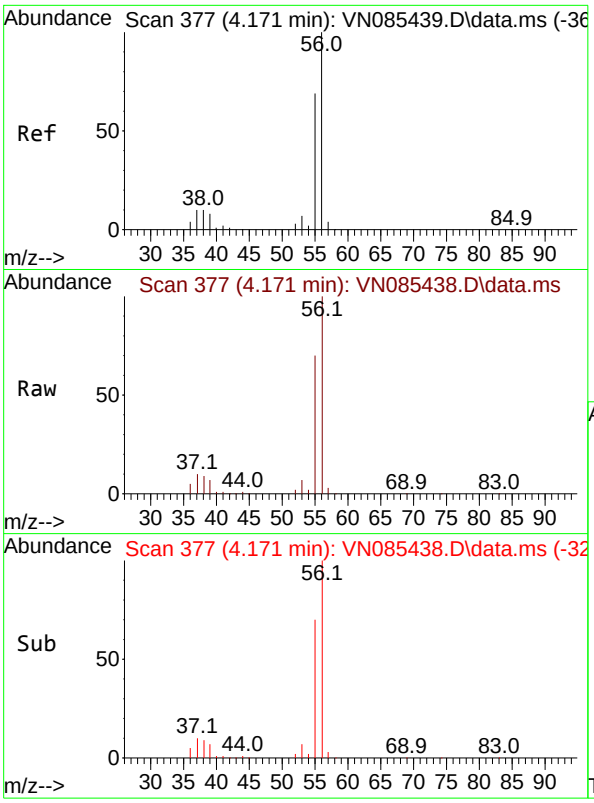


#12
1,1-Dichloroethene
Concen: 102.146 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.006 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 96 Resp: 222117

Ion	Ratio	Lower	Upper
96	100		
61	175.3	141.0	211.4
98	62.7	49.0	73.6



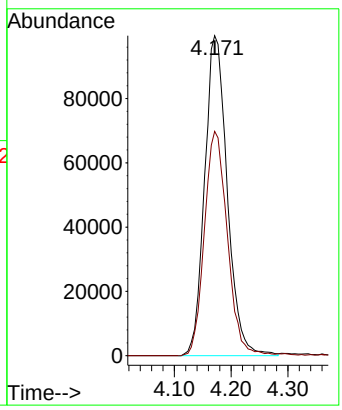


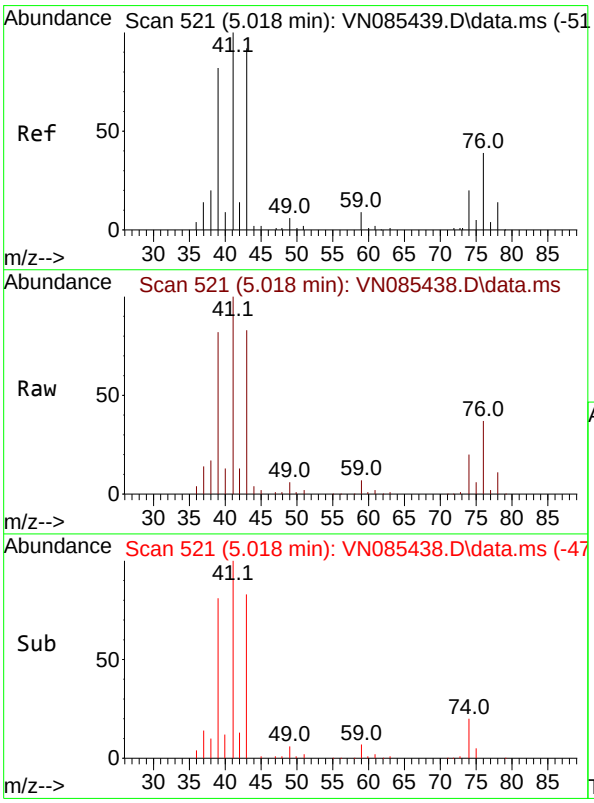
#13
Acrolein
Concen: 538.600 ug/l
RT: 4.171 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 275350

Ion	Ratio	Lower	Upper
56	100		
55	71.1	56.3	84.5

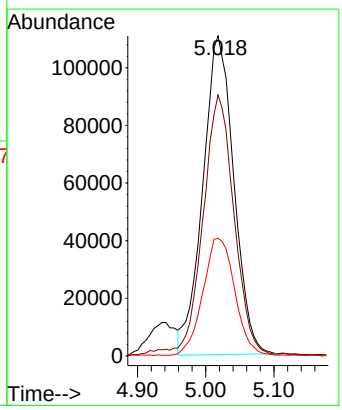


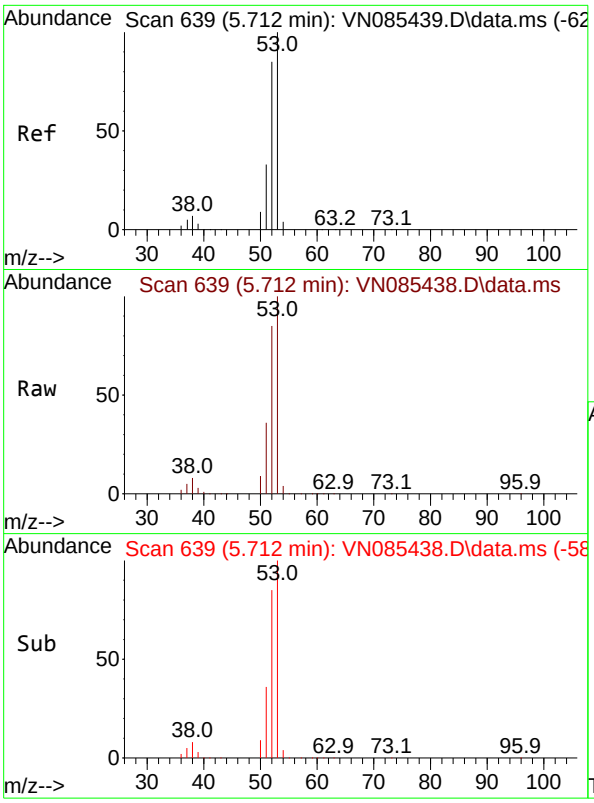


#14
Allyl chloride
Concen: 99.111 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 41 Resp: 349717

Ion	Ratio	Lower	Upper
41	100		
39	83.3	64.4	96.6
76	37.9	30.5	45.7



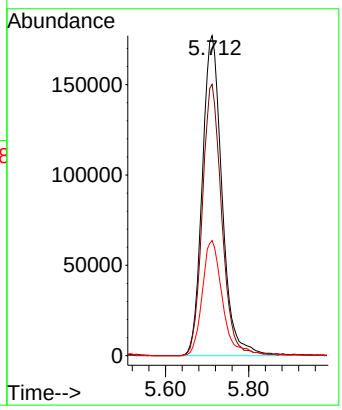


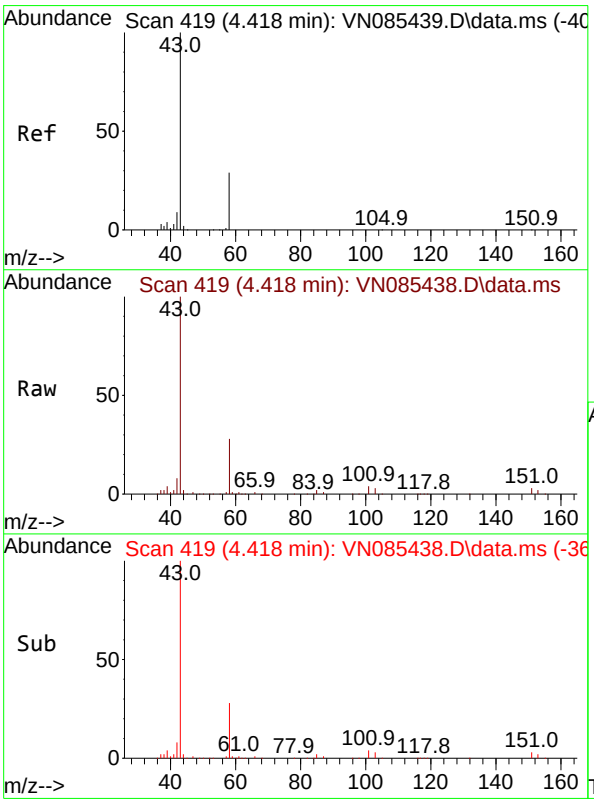
#15
Acrylonitrile
Concen: 492.095 ug/l
RT: 5.712 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 53 Resp: 585370

Ion	Ratio	Lower	Upper
53	100		
52	83.0	65.5	98.3
51	37.1	29.8	44.8

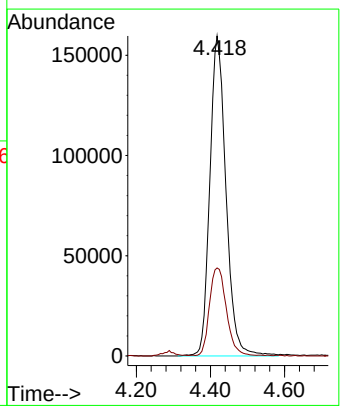


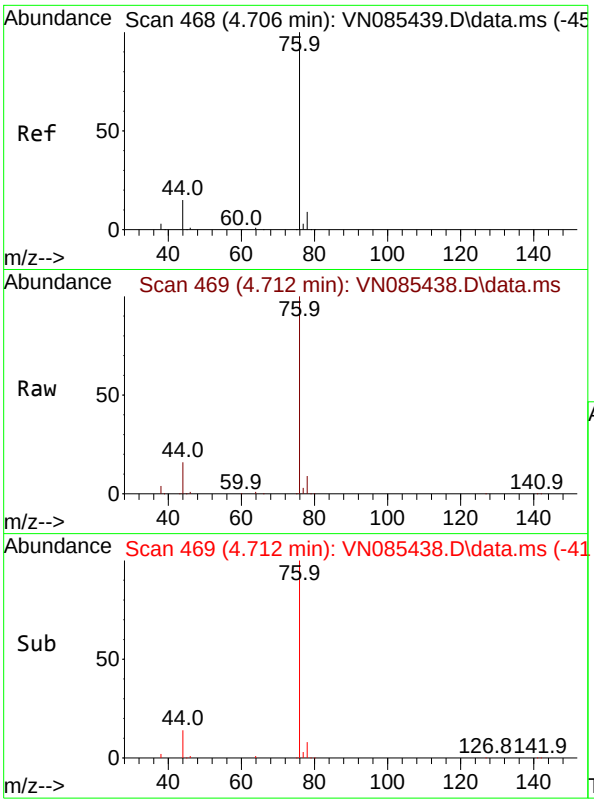


#16
Acetone
Concen: 457.268 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 43 Resp: 483221

Ion	Ratio	Lower	Upper
43	100		
58	27.3	23.8	35.6



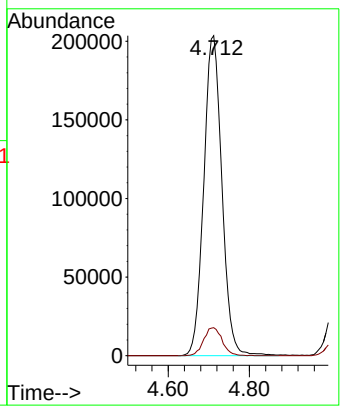


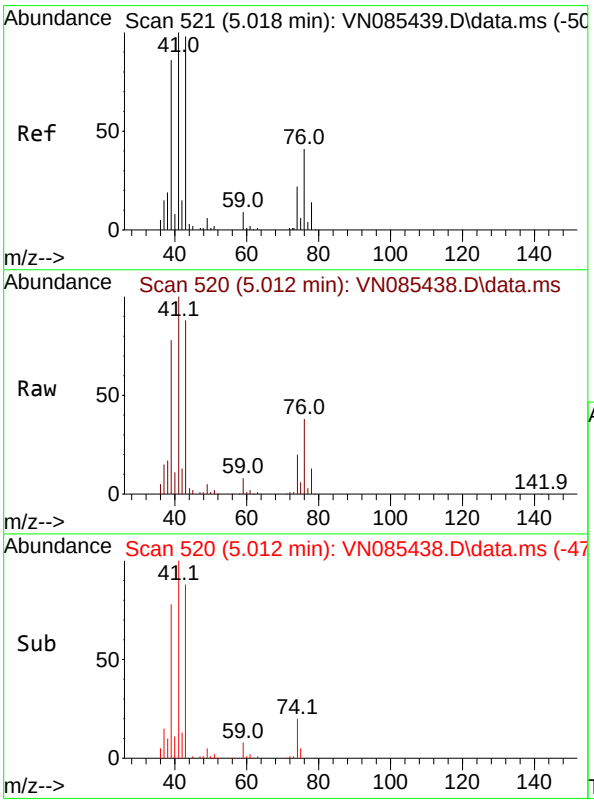
#17
Carbon Disulfide
Concen: 94.140 ug/l
RT: 4.712 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 630294

Ion	Ratio	Lower	Upper
76	100		
78	8.7	6.9	10.3

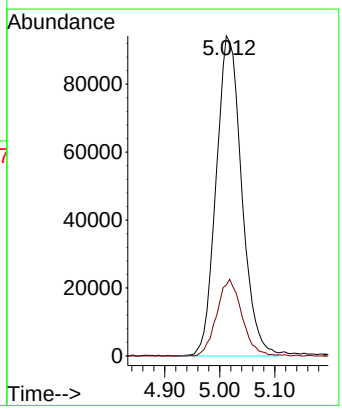


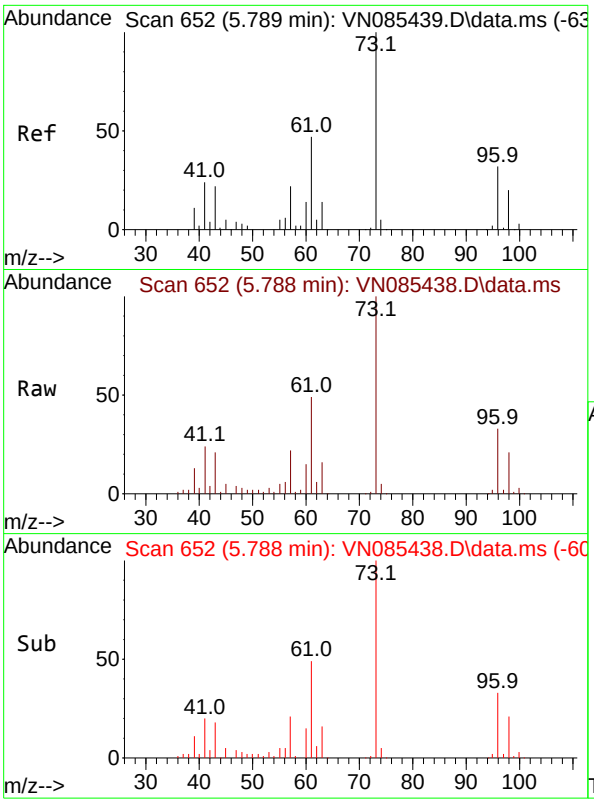


#18
Methyl Acetate
Concen: 94.674 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.006 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 43 Resp: 304226

Ion	Ratio	Lower	Upper
43	100		
74	23.6	18.6	28.0



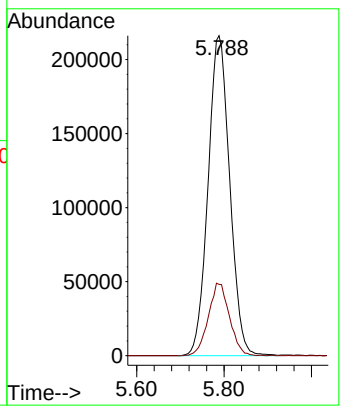


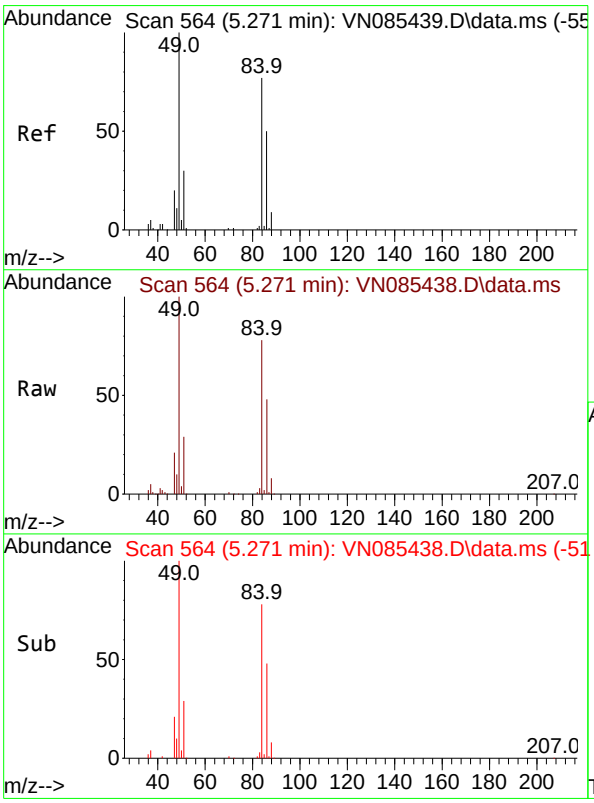
#19
Methyl tert-butyl Ether
Concen: 105.230 ug/l
RT: 5.788 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 73 Resp: 743008

Ion	Ratio	Lower	Upper
73	100		
57	22.3	17.8	26.8

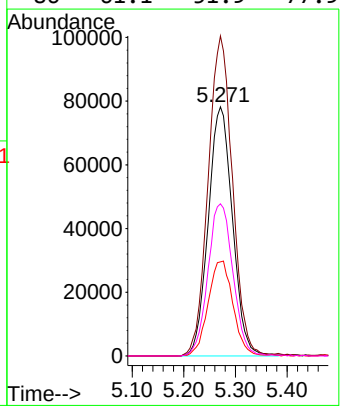


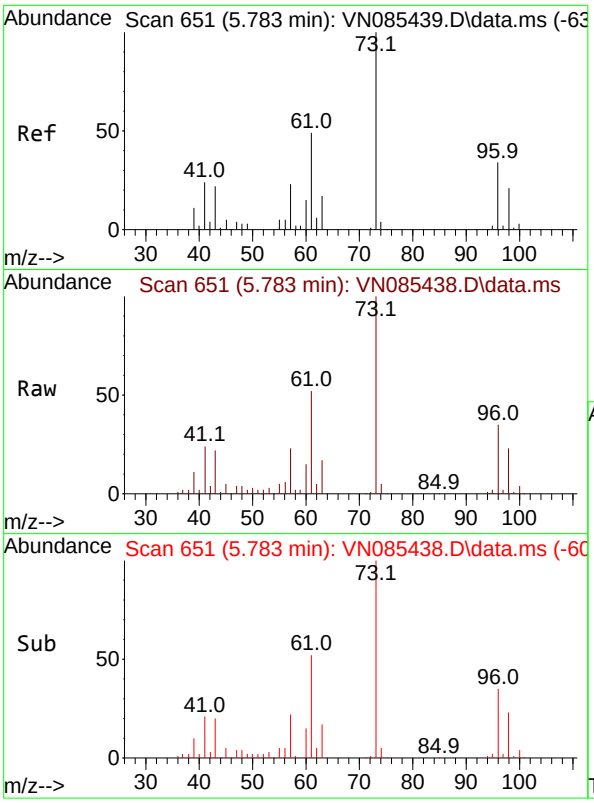


#20
Methylene Chloride
Concen: 97.440 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 84 Resp: 254912

Ion	Ratio	Lower	Upper
84	100		
49	128.5	104.1	156.1
51	37.8	31.0	46.4
86	61.1	51.9	77.9



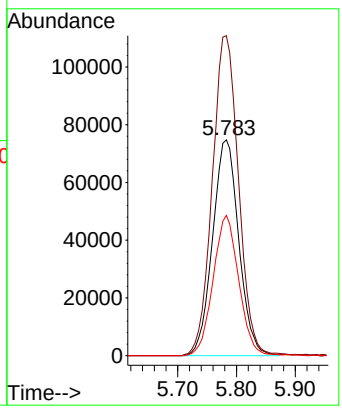


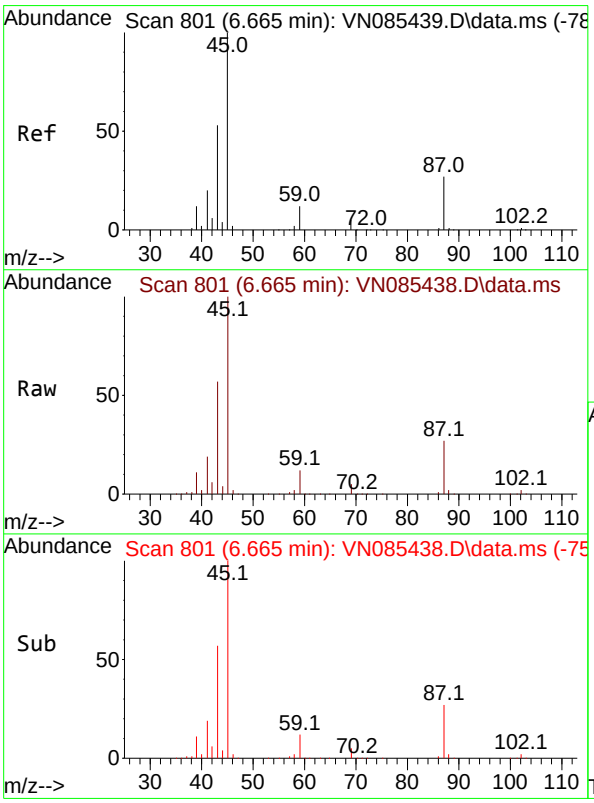
#21
trans-1,2-Dichloroethene
Concen: 99.618 ug/l
RT: 5.783 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 231503

Ion	Ratio	Lower	Upper
96	100		
61	148.3	115.7	173.5
98	65.0	49.8	74.8

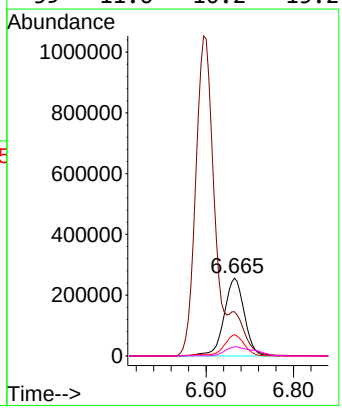


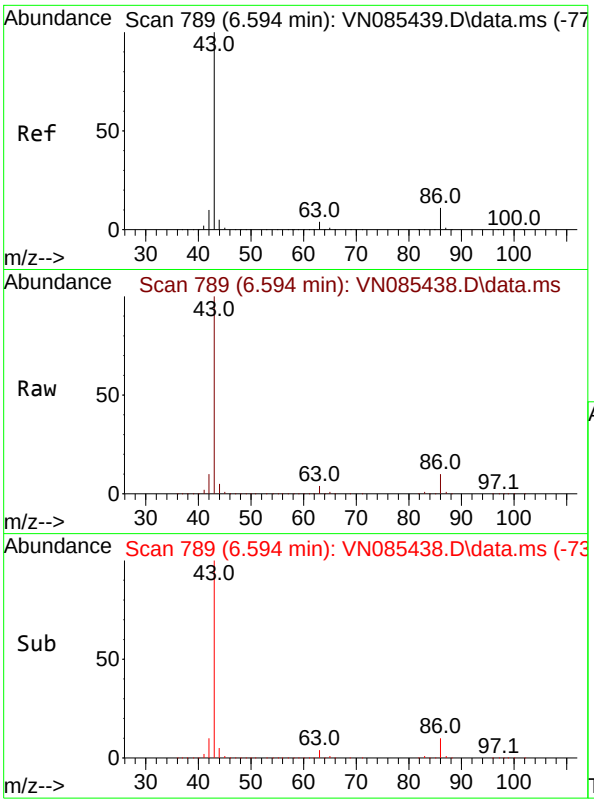


#22
Diisopropyl ether
Concen: 104.812 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 45 Resp: 820871

Ion	Ratio	Lower	Upper
45	100		
43	55.7	45.0	67.6
87	27.2	21.8	32.8
59	11.6	10.2	15.2



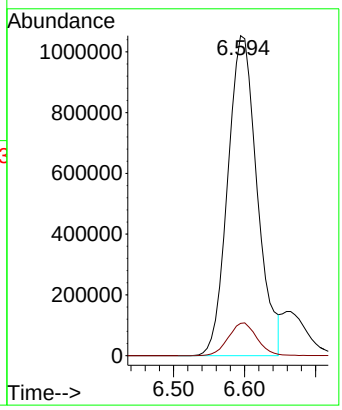


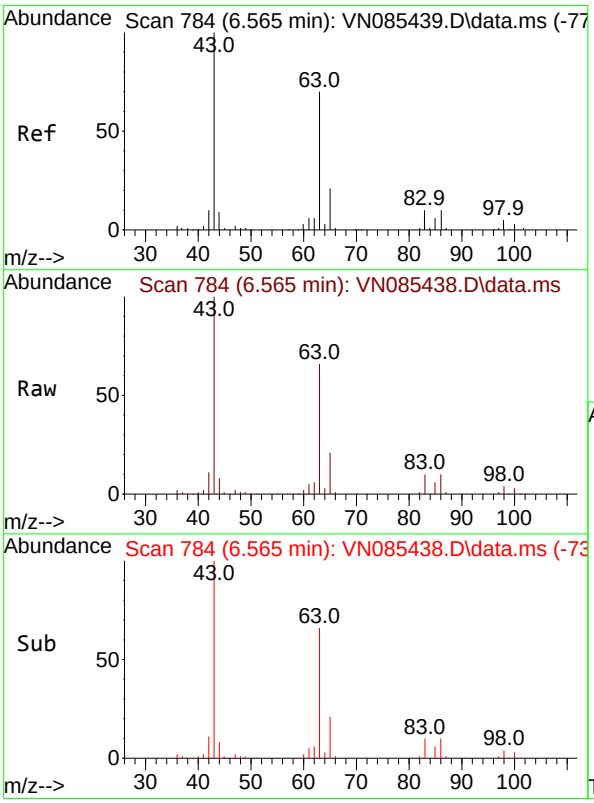
#23
Vinyl Acetate
Concen: 550.850 ug/l
RT: 6.594 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 3029568

Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.4	12.6

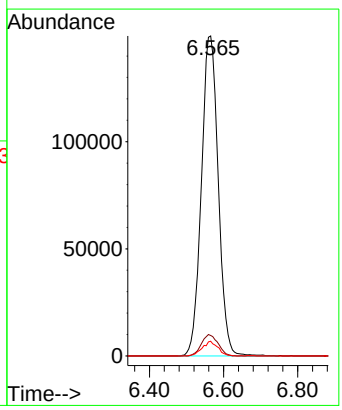


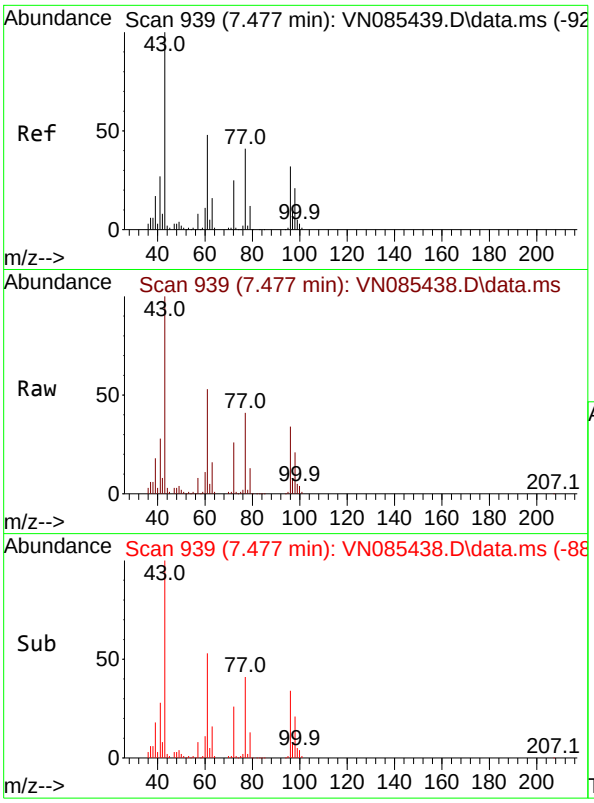


#24
1,1-Dichloroethane
Concen: 98.803 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 63 Resp: 471831

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.3	9.8
100	4.6	2.0	6.0



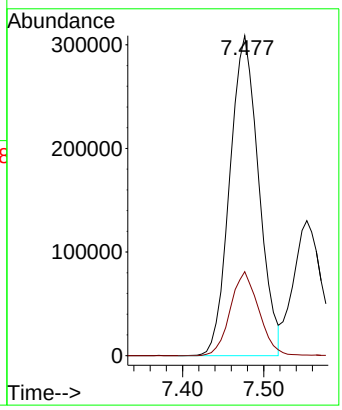


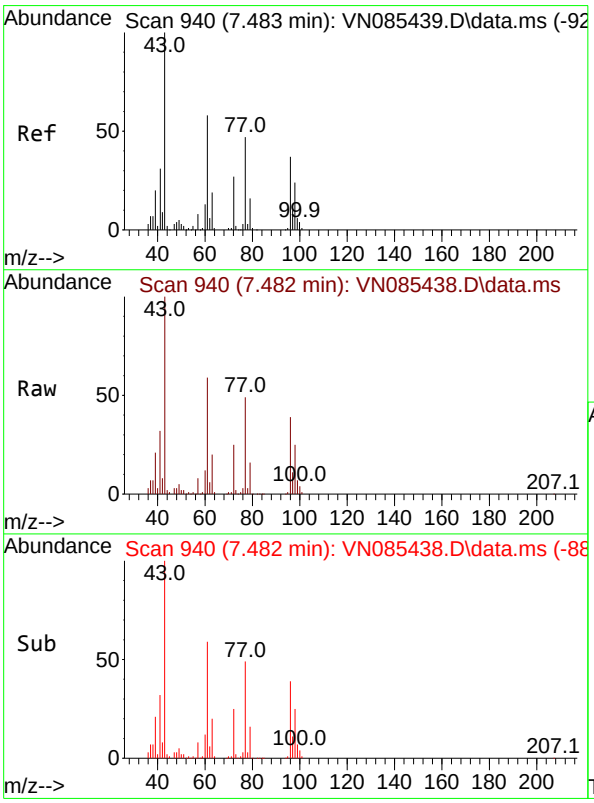
#25
2-Butanone
Concen: 491.912 ug/l
RT: 7.477 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 764979

Ion	Ratio	Lower	Upper
43	100		
72	26.3	20.2	30.4

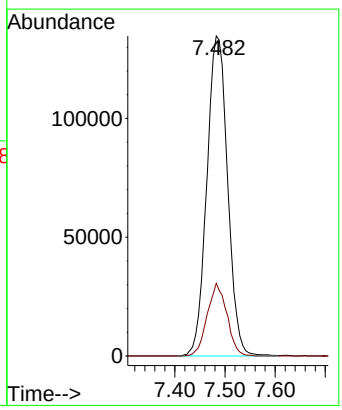


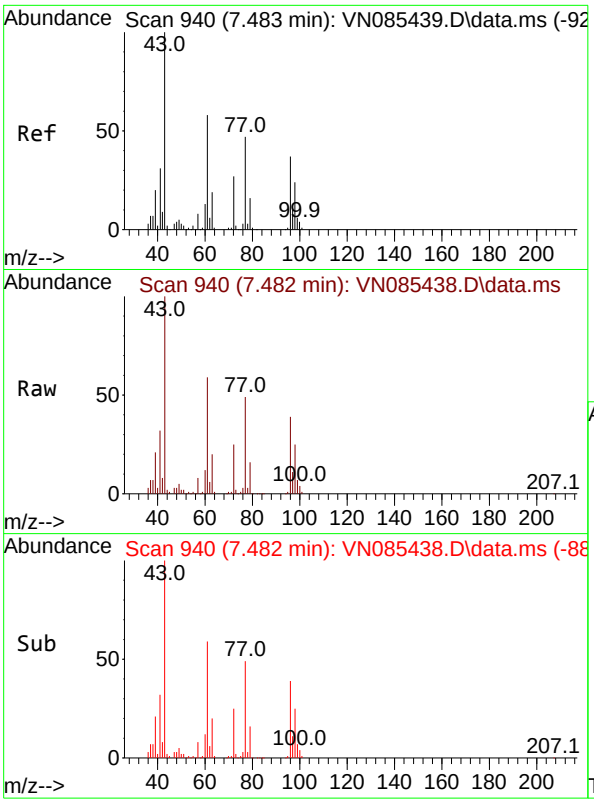


#26
2,2-Dichloropropane
Concen: 100.530 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 77 Resp: 388140

Ion	Ratio	Lower	Upper
77	100		
97	21.4	10.7	32.1



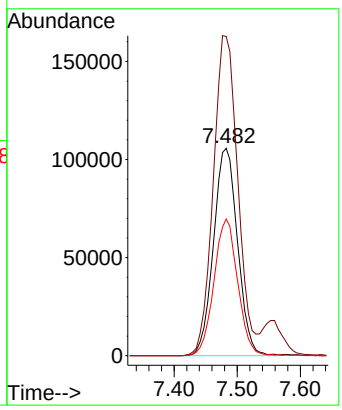


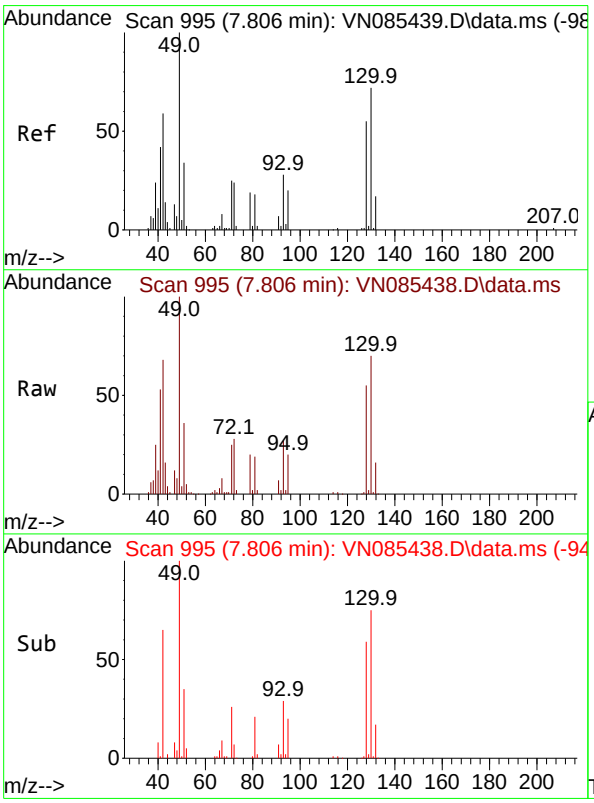
#27
cis-1,2-Dichloroethene
Concen: 102.367 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 280197

Ion	Ratio	Lower	Upper
96	100		
61	156.8	0.0	311.8
98	65.0	0.0	126.0

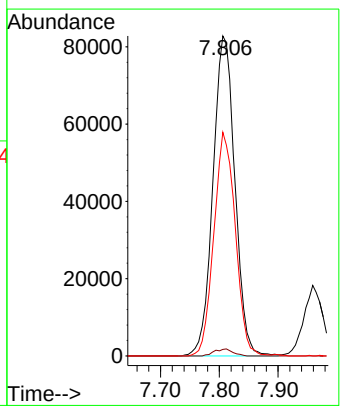


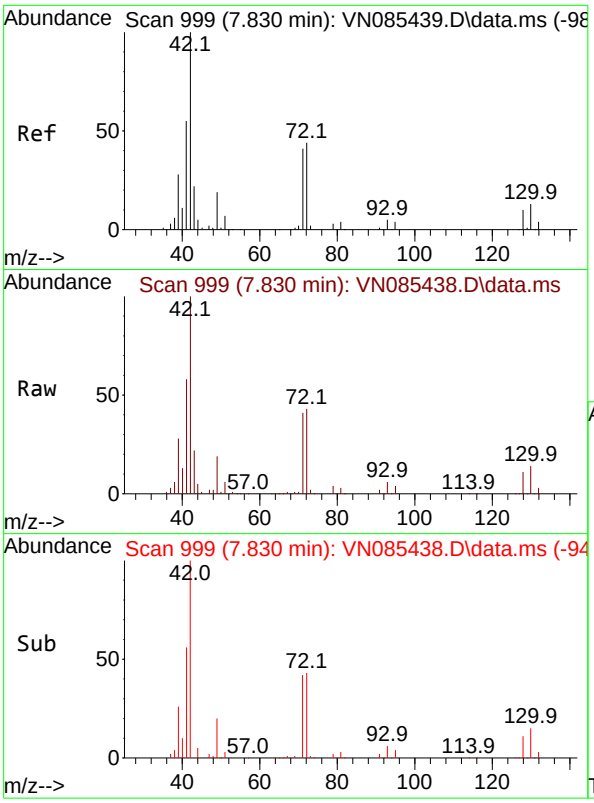


#28
Bromochloromethane
Concen: 96.679 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 49 Resp: 214796

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.4
130	68.4	55.0	82.4



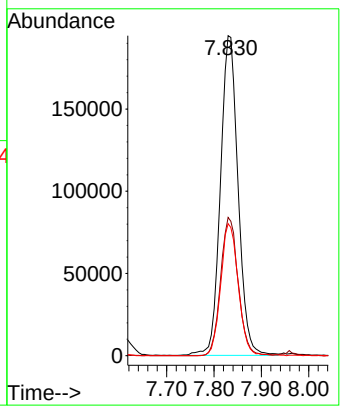


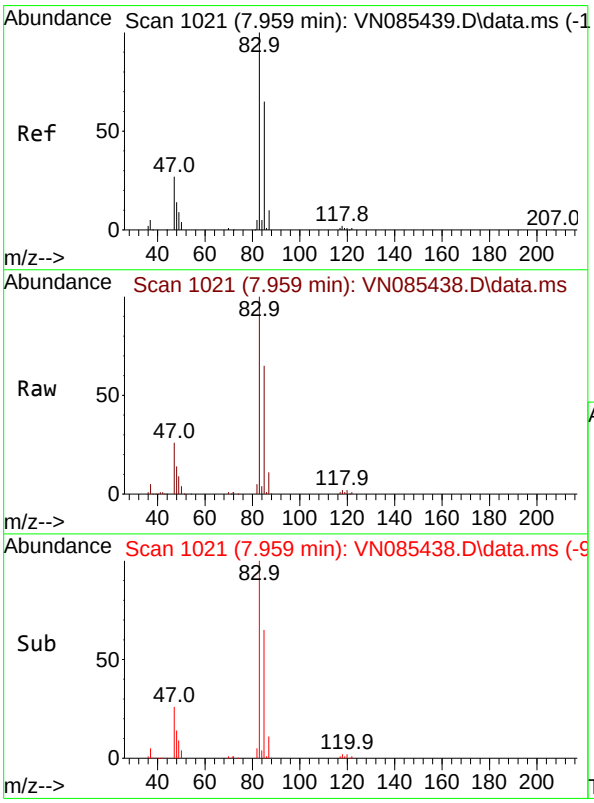
#29
Tetrahydrofuran
Concen: 510.635 ug/l
RT: 7.830 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 42 Resp: 503459

Ion	Ratio	Lower	Upper
42	100		
72	43.1	34.2	51.2
71	40.9	32.5	48.7

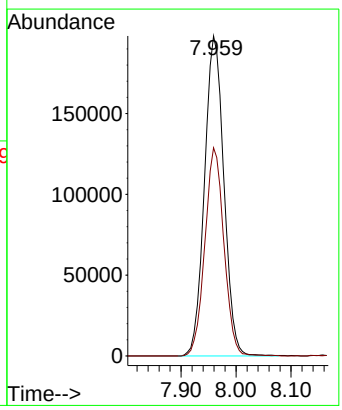


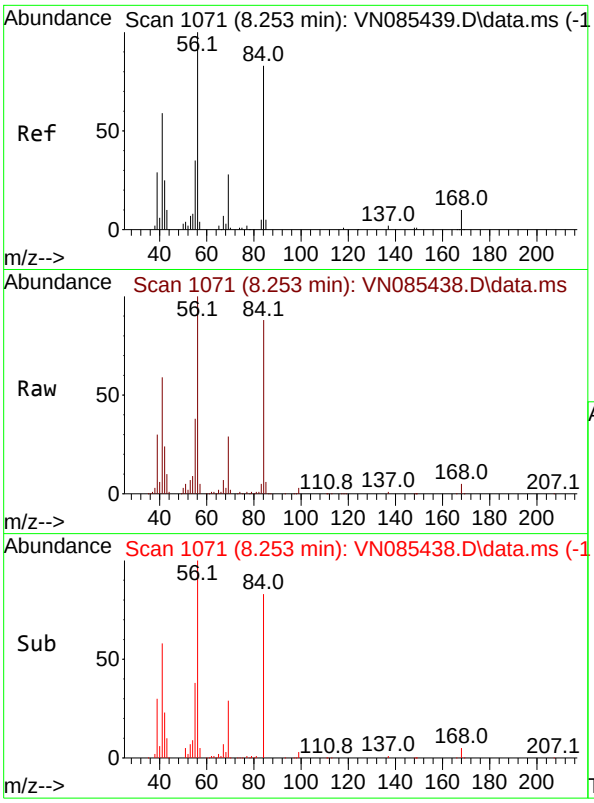


#30
Chloroform
Concen: 98.253 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 83 Resp: 484941

Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.8	77.6



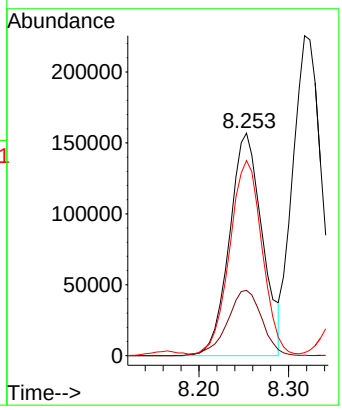


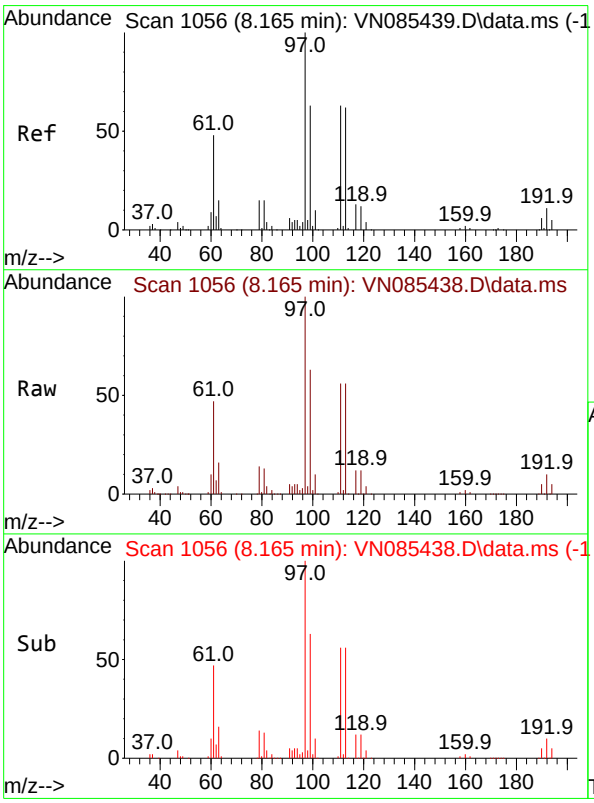
#31
Cyclohexane
Concen: 96.041 ug/l
RT: 8.253 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 398641

Ion	Ratio	Lower	Upper
56	100		
69	29.2	22.2	33.4
84	86.4	66.4	99.6

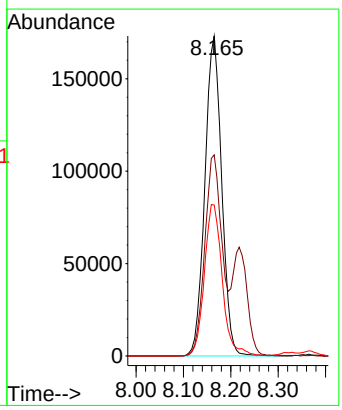


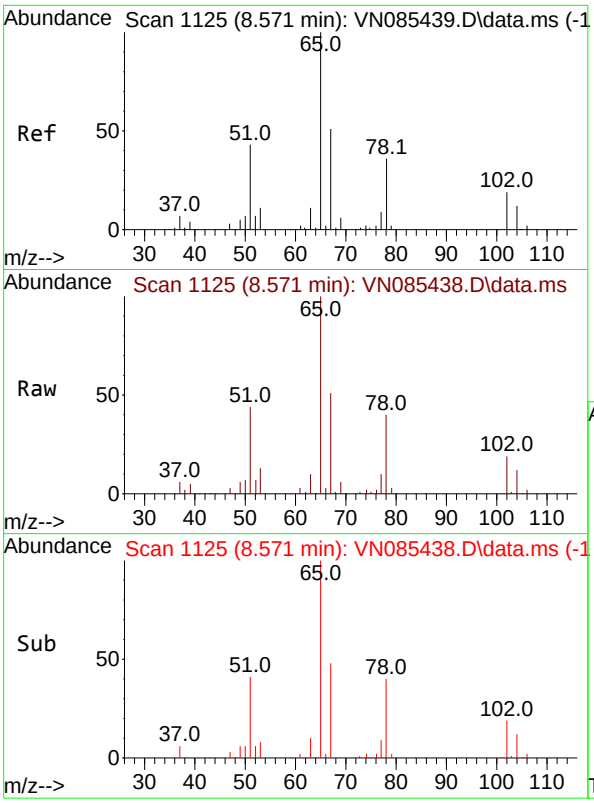


#32
1,1,1-Trichloroethane
Concen: 98.578 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 97 Resp: 426782

Ion	Ratio	Lower	Upper
97	100		
99	64.2	49.8	74.6
61	50.6	41.4	62.2



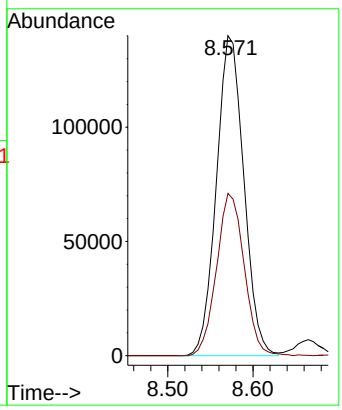


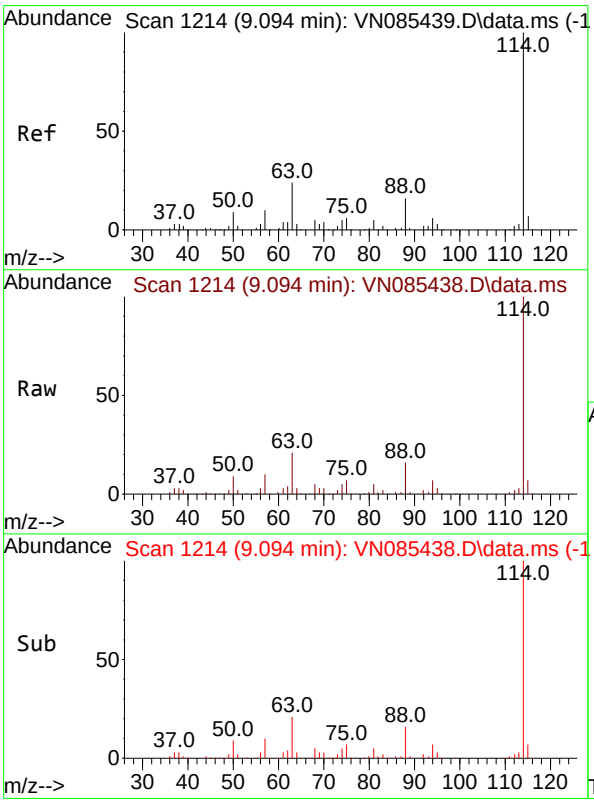
#33
1,2-Dichloroethane-d4
Concen: 95.899 ug/l
RT: 8.571 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 65 Resp: 313645

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	101.6

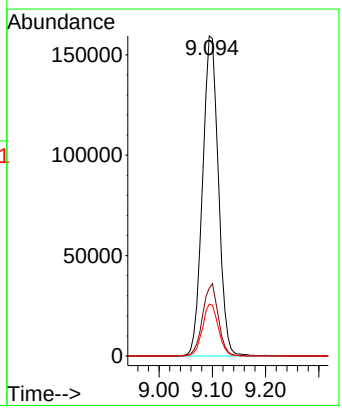


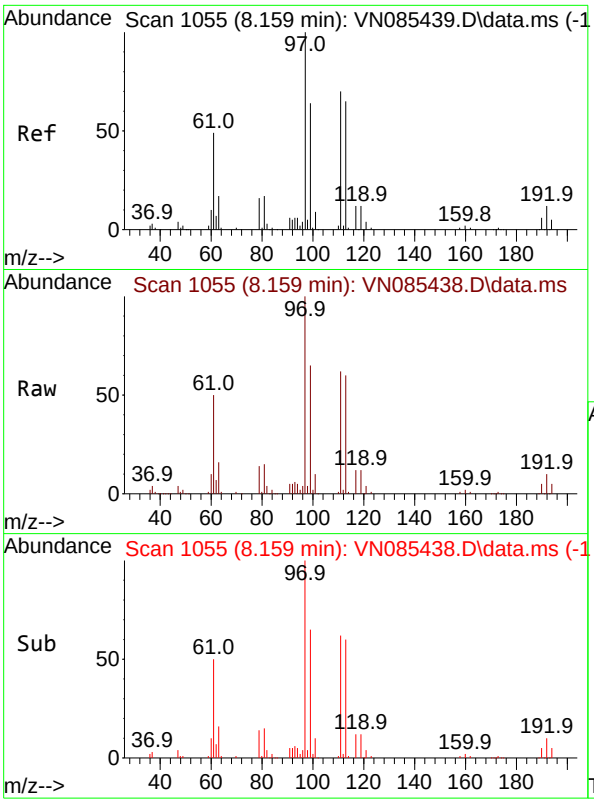


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion:114 Resp: 329363

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	47.6
88	16.2	0.0	32.6



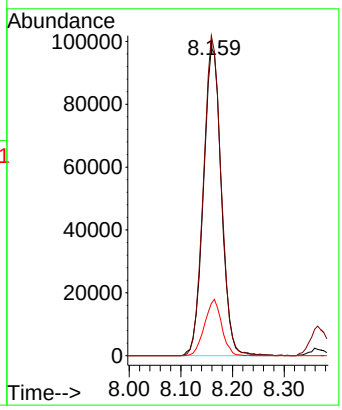


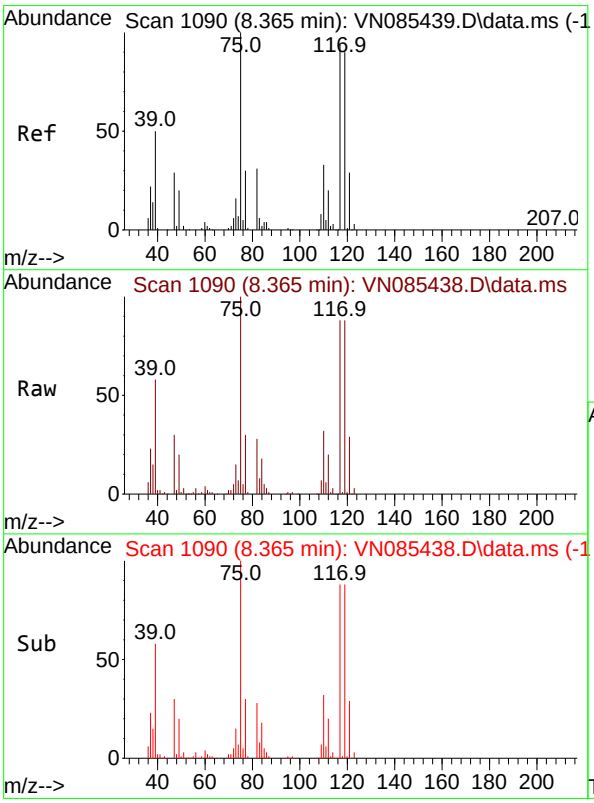
#35
Dibromofluoromethane
Concen: 103.353 ug/l
RT: 8.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:113 Resp: 236159

Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.7	124.1
192	17.4	14.3	21.5

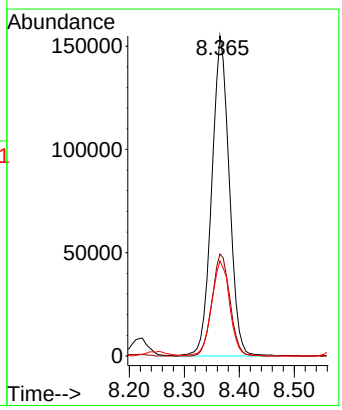


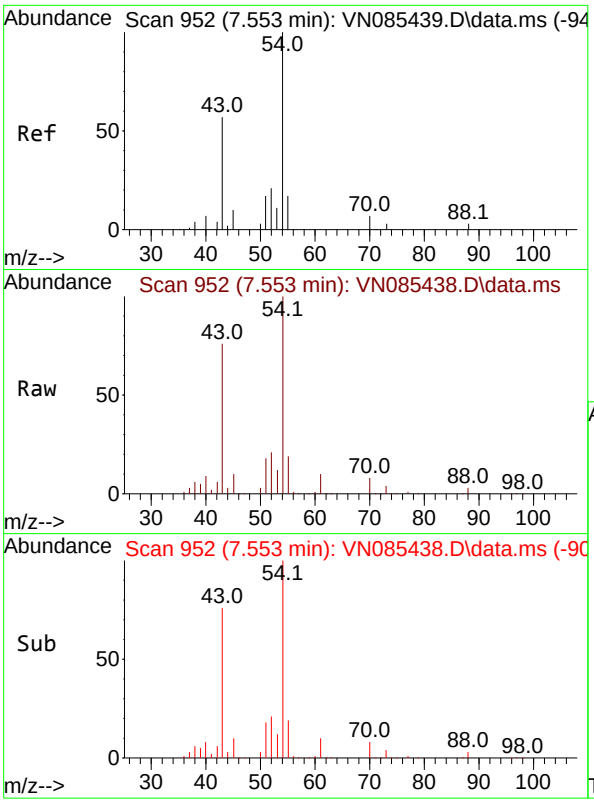


#36
1,1-Dichloropropene
Concen: 106.945 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 75 Resp: 342961

Ion	Ratio	Lower	Upper
75	100		
110	32.6	16.5	49.5
77	30.6	24.4	36.6



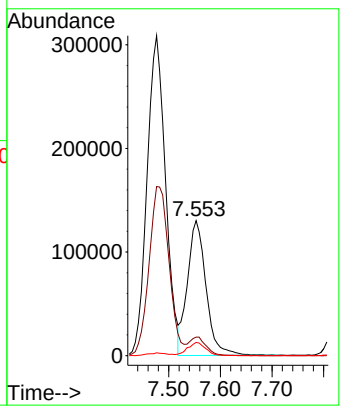


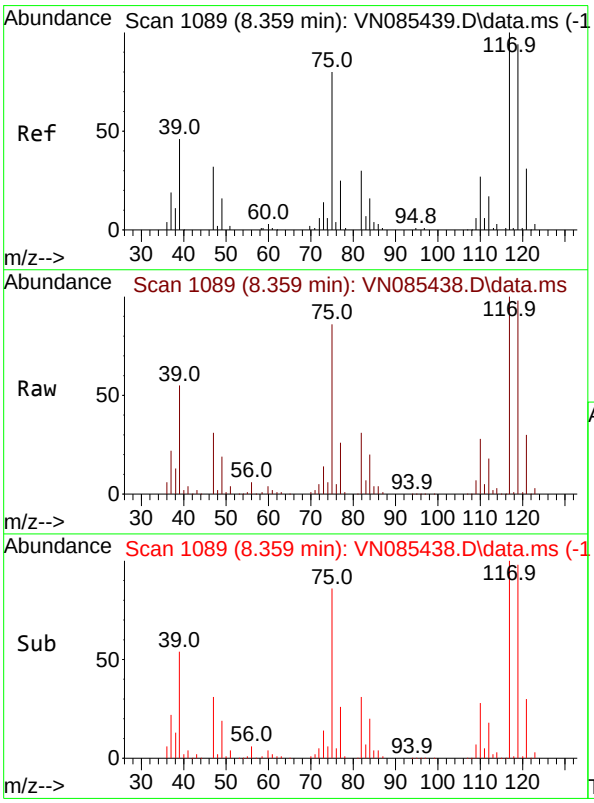
#37
Ethyl Acetate
Concen: 100.961 ug/l
RT: 7.553 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 326802

Ion	Ratio	Lower	Upper
43	100		
61	12.0	10.9	16.3
70	9.6	7.5	11.3

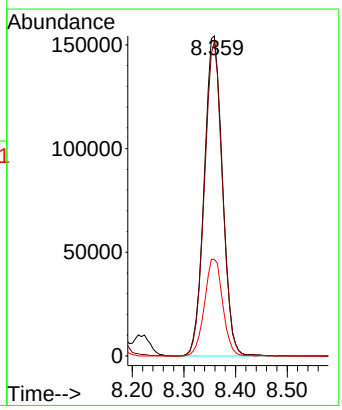


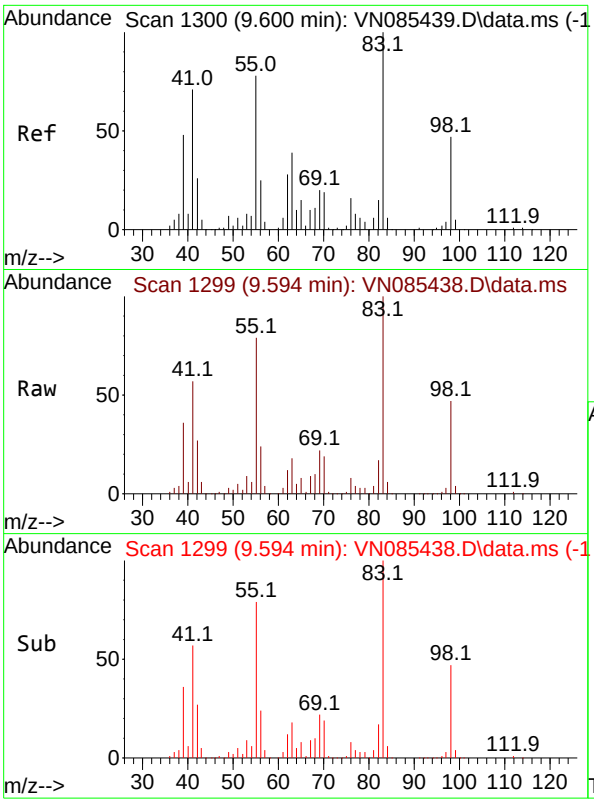


#38
Carbon Tetrachloride
Concen: 103.065 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion:117 Resp: 378390

Ion	Ratio	Lower	Upper
117	100		
119	98.1	75.4	113.2
121	30.2	24.6	37.0



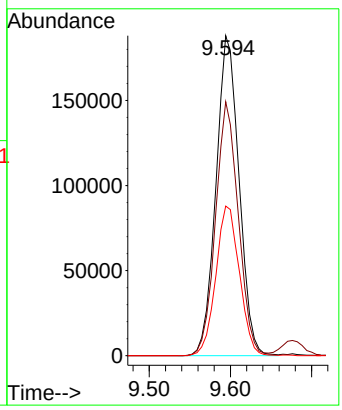


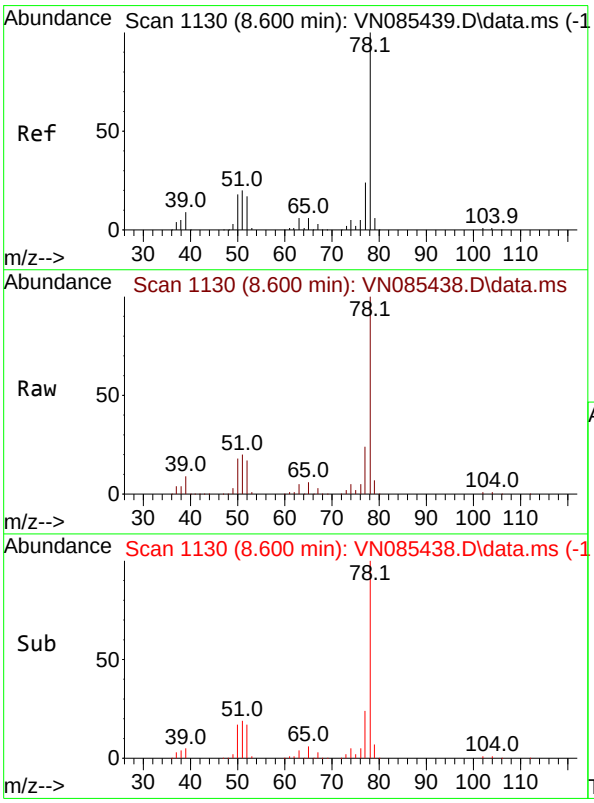
#39
Methylcyclohexane
Concen: 123.354 ug/l
RT: 9.594 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 371734

Ion	Ratio	Lower	Upper
83	100		
55	79.3	62.6	94.0
98	46.7	37.7	56.5

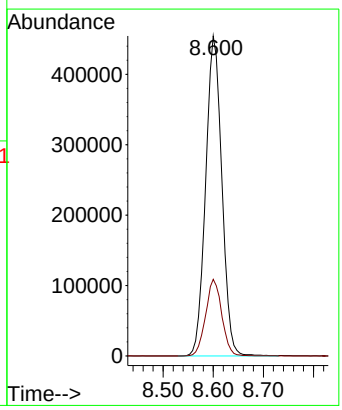


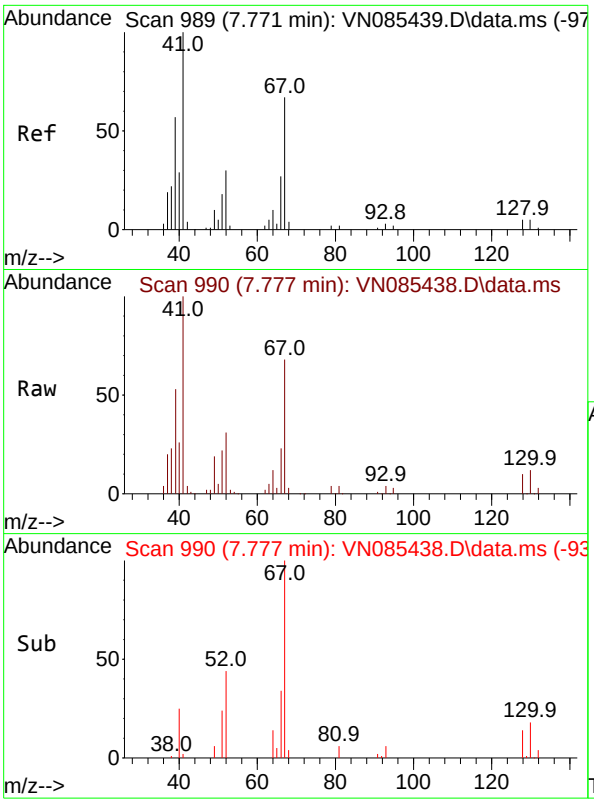


#40
Benzene
Concen: 106.001 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 78 Resp: 1021393

Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.6



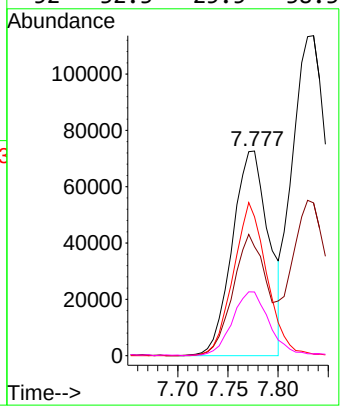


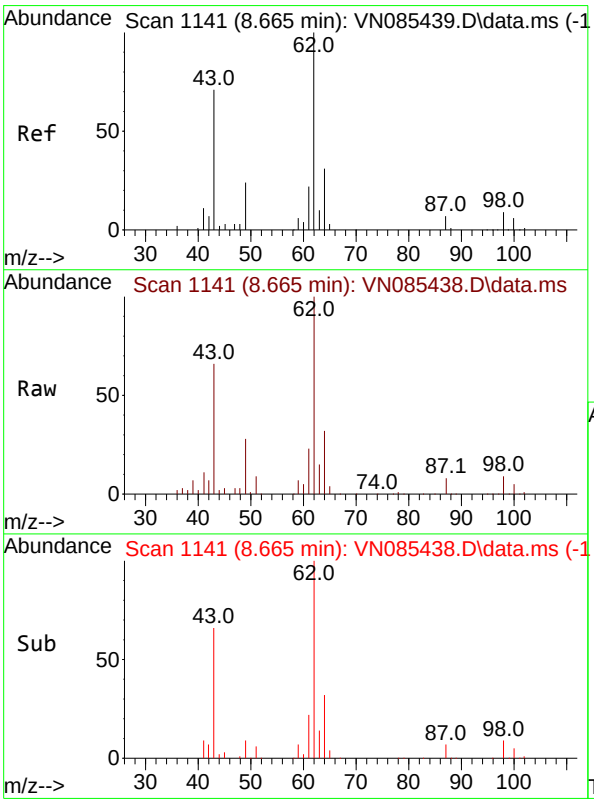
#41
Methacrylonitrile
Concen: 109.454 ug/l
RT: 7.777 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 41 Resp: 184326

Ion	Ratio	Lower	Upper
41	100		
39	52.8	46.0	69.0
67	68.8	57.4	86.2
52	32.3	25.5	38.3

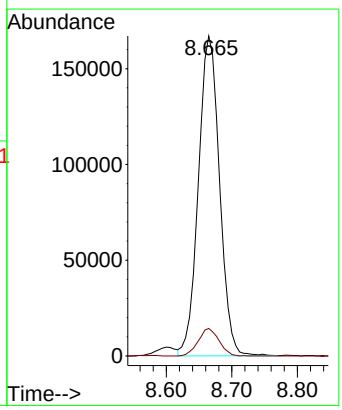


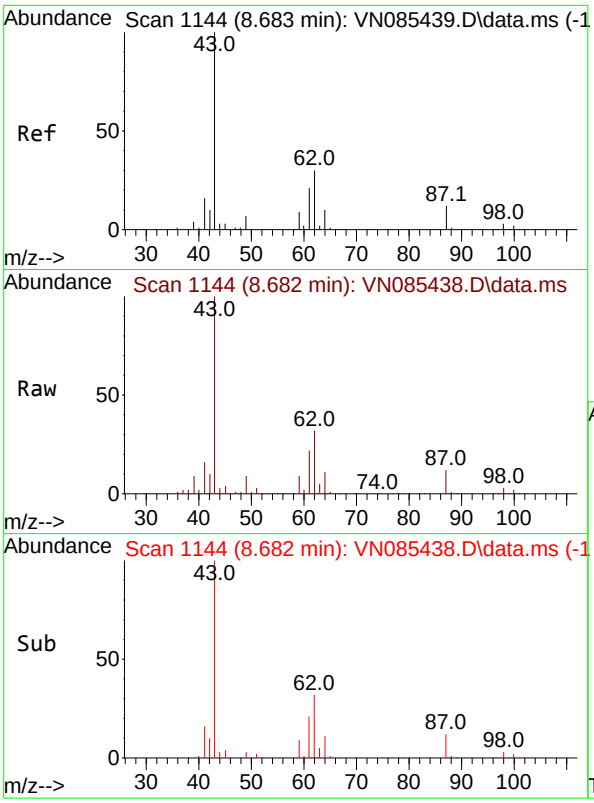


#42
1,2-Dichloroethane
Concen: 103.314 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 62 Resp: 374938

Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.0



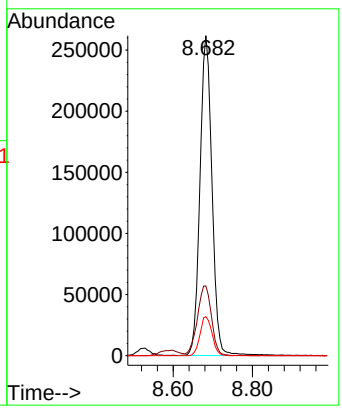


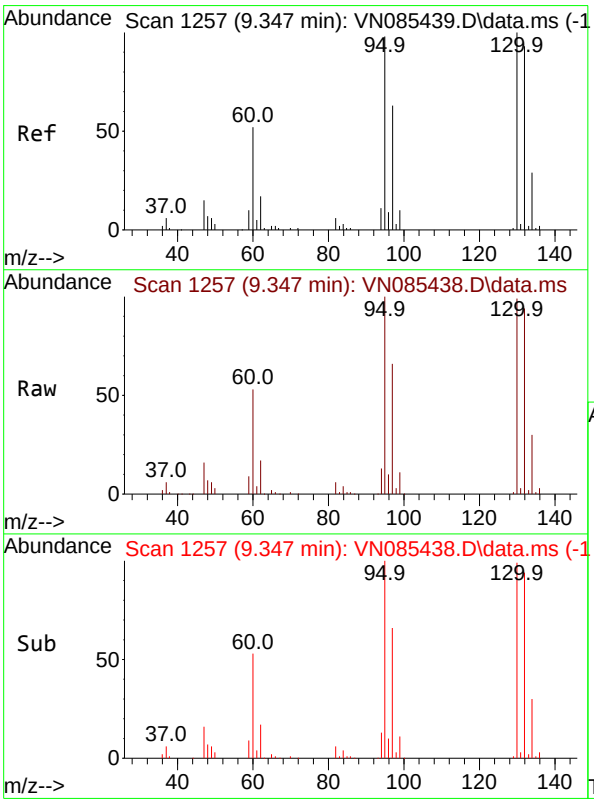
#43
Isopropyl Acetate
Concen: 106.035 ug/l
RT: 8.682 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 549969

Ion	Ratio	Lower	Upper
43	100		
61	25.7	20.7	31.1
87	12.2	9.8	14.8

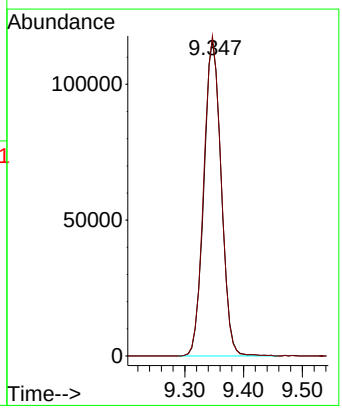


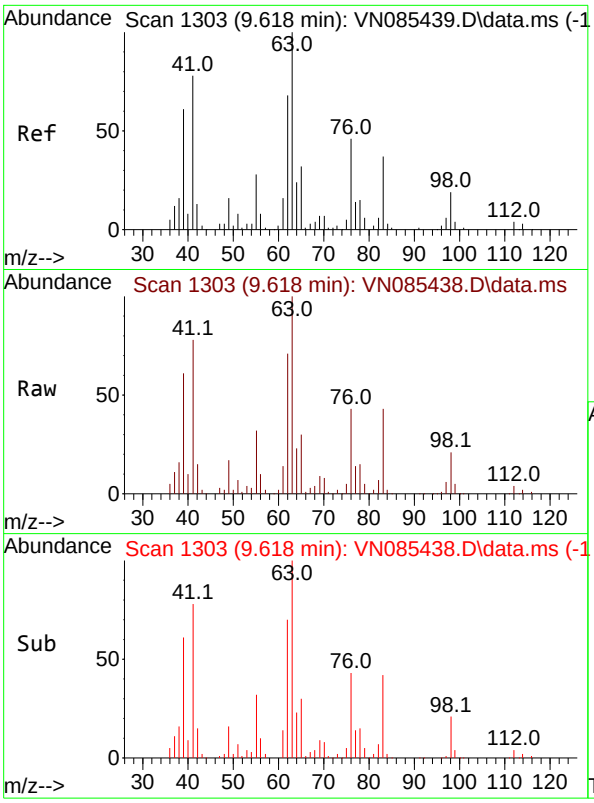


#44
Trichloroethene
Concen: 106.242 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion:130 Resp: 238296

Ion	Ratio	Lower	Upper
130	100		
95	101.5	0.0	195.8



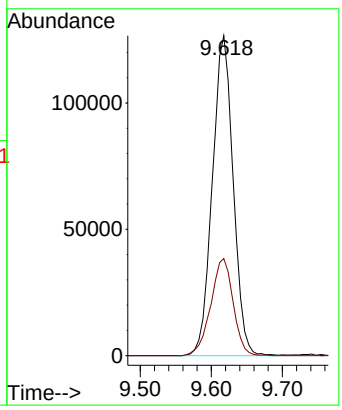


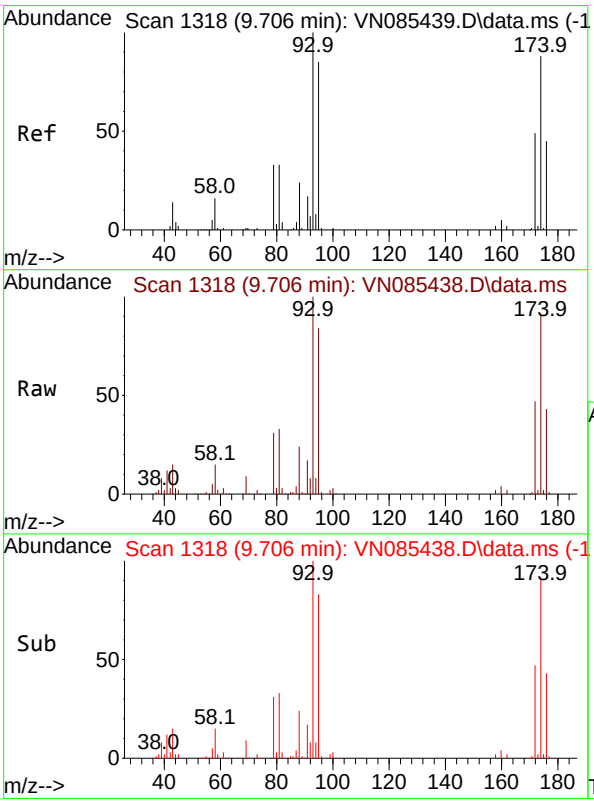
#45
1,2-Dichloropropane
Concen: 104.405 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 63 Resp: 256964

Ion	Ratio	Lower	Upper
63	100		
65	30.3	25.6	38.4

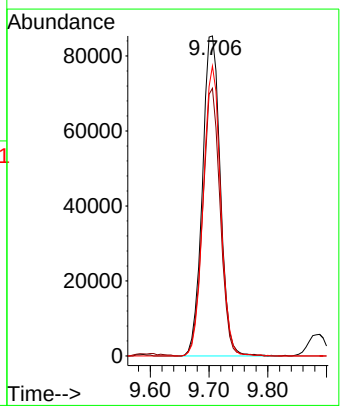


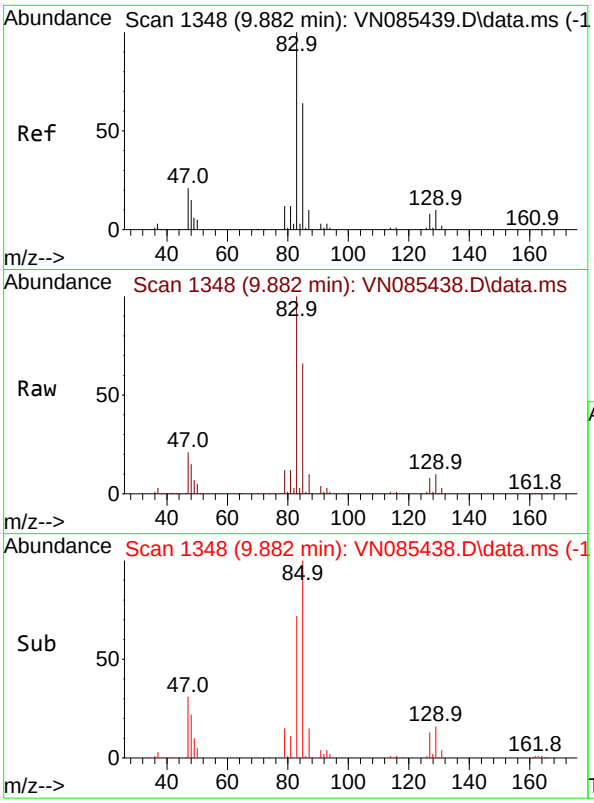


#46
Dibromomethane
Concen: 101.913 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 93 Resp: 180990

Ion	Ratio	Lower	Upper
93	100		
95	81.6	64.7	97.1
174	87.5	69.0	103.4



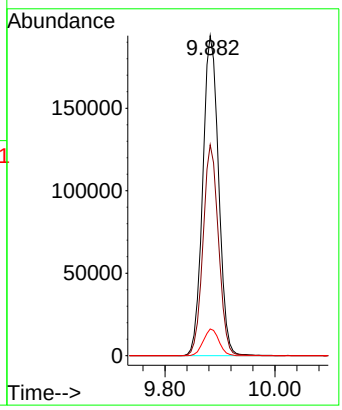


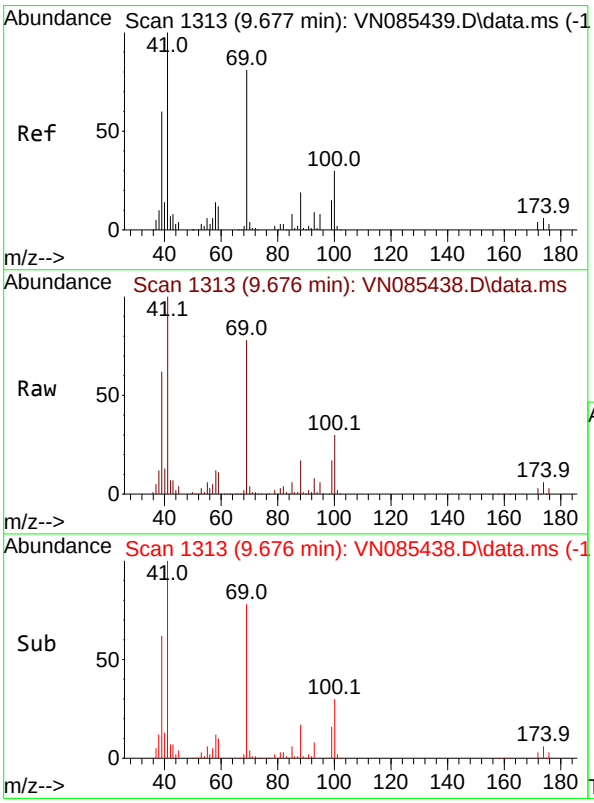
#47
Bromodichloromethane
Concen: 107.377 ug/l
RT: 9.882 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 388499

Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.2	76.8
127	8.4	6.5	9.7

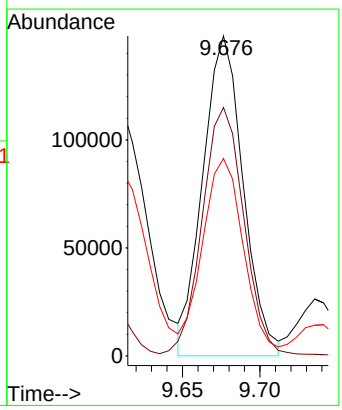


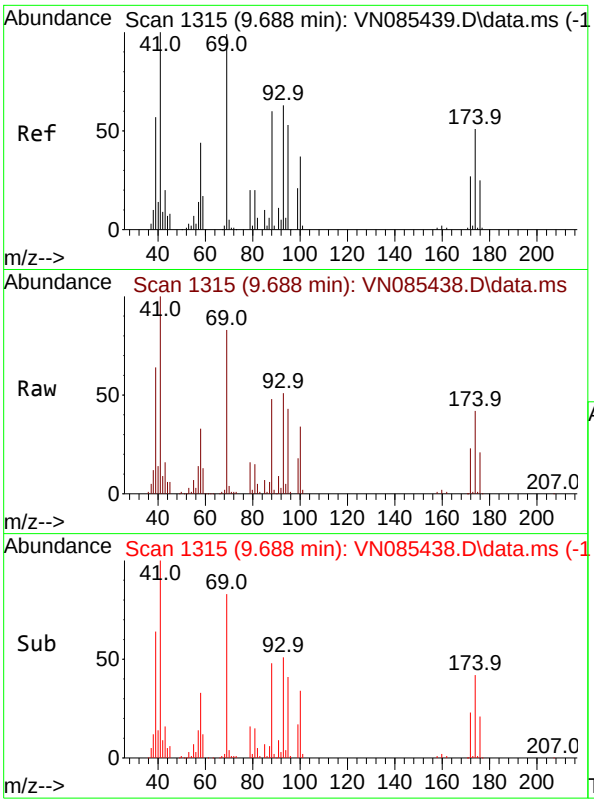


#48
Methyl methacrylate
Concen: 114.685 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.001 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 41 Resp: 267689

Ion	Ratio	Lower	Upper
41	100		
69	80.9	64.7	97.1
39	63.1	49.0	73.6



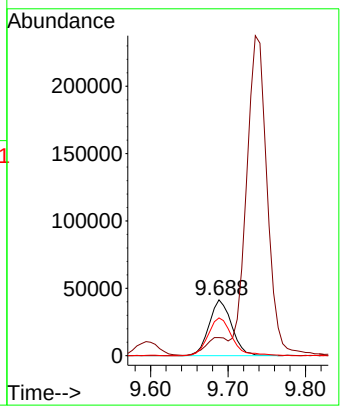


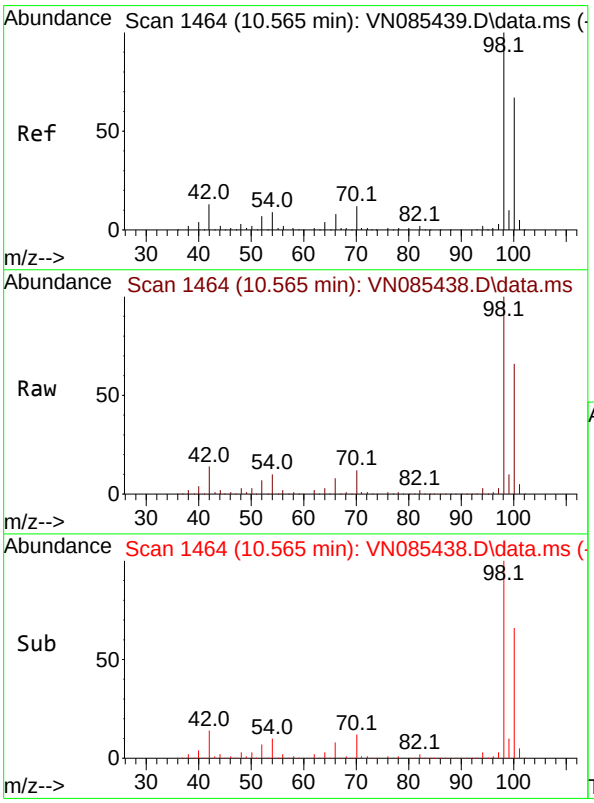
#49
1,4-Dioxane
Concen: 2133.992 ug/l
RT: 9.688 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 88 Resp: 83879

Ion	Ratio	Lower	Upper
88	100		
43	31.3	26.6	39.8
58	72.1	59.5	89.3

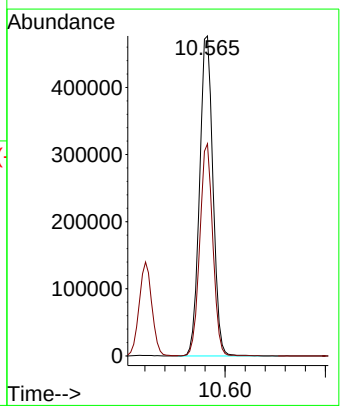


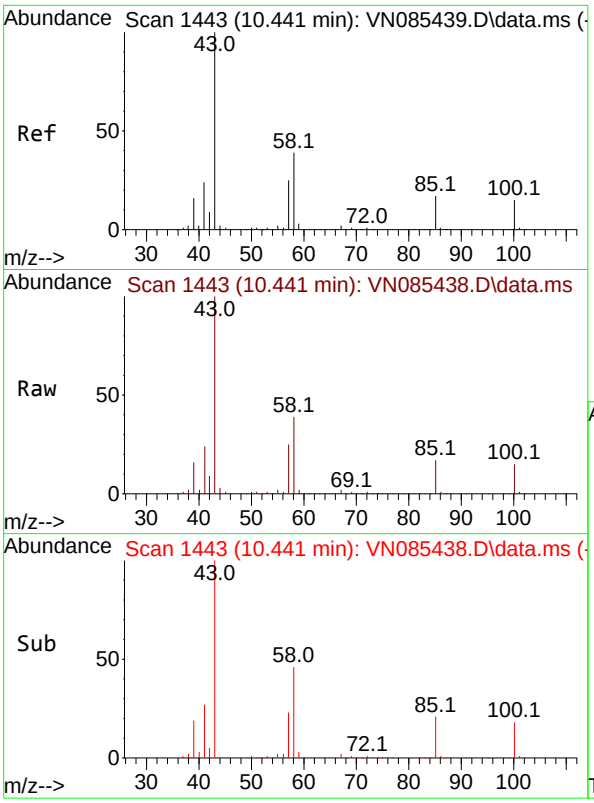


#50
Toluene-d8
Concen: 108.636 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 98 Resp: 881956

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.2	78.4



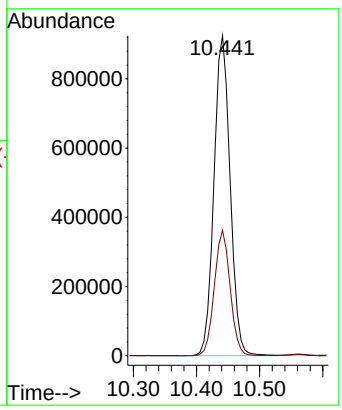


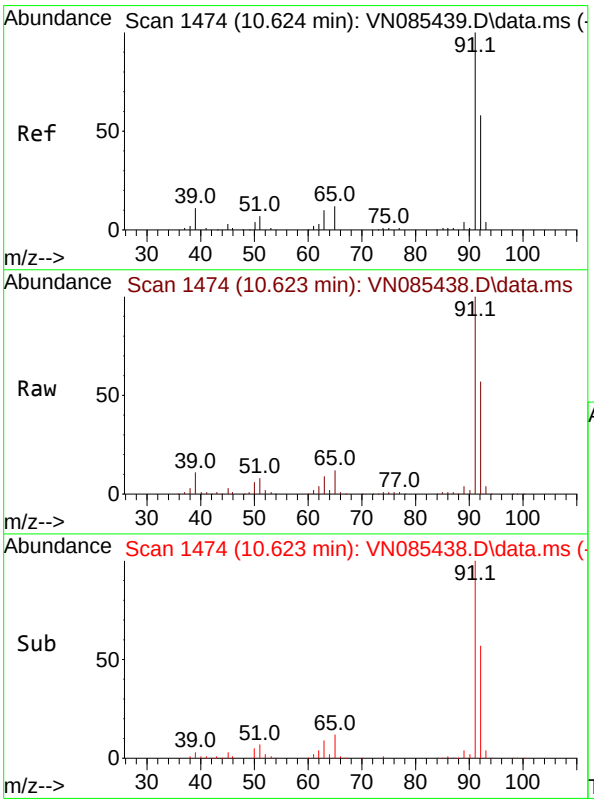
#51
4-Methyl-2-Pentanone
Concen: 546.159 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1643800

Ion	Ratio	Lower	Upper
43	100		
58	38.4	30.5	45.7

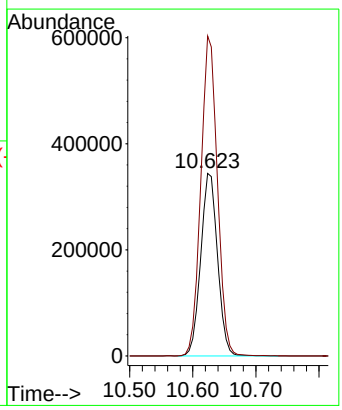


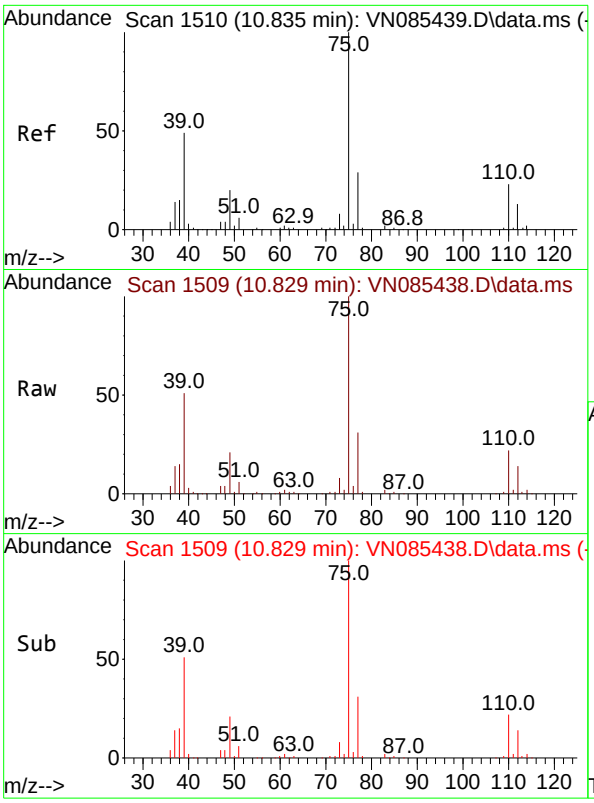


#52
Toluene
Concen: 113.689 ug/l
RT: 10.623 min Scan# 1474
Delta R.T. -0.001 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 92 Resp: 634743

Ion	Ratio	Lower	Upper
92	100		
91	173.1	139.2	208.8



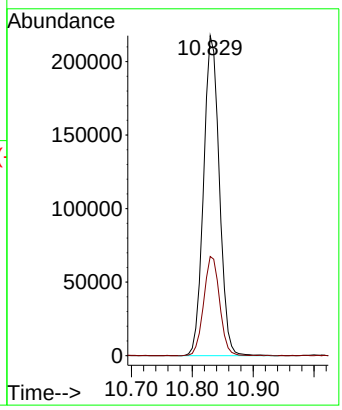


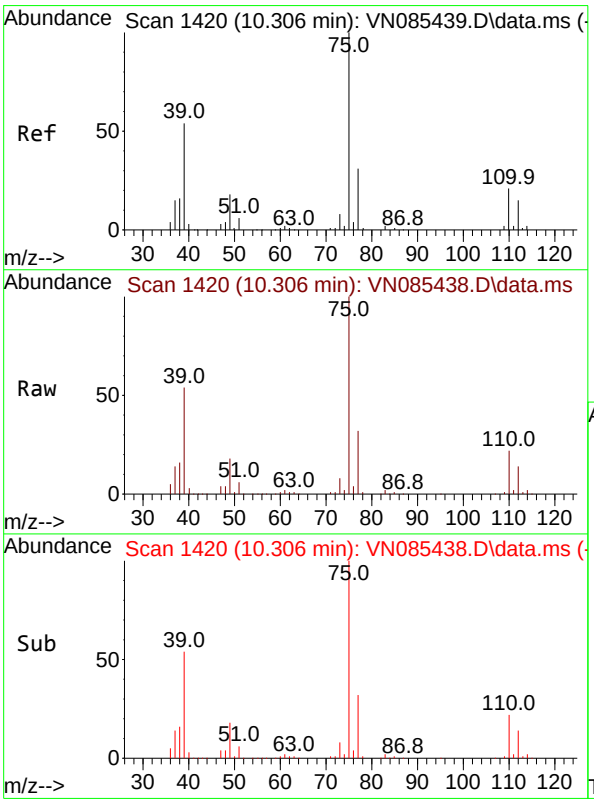
#53
t-1,3-Dichloropropene
Concen: 114.424 ug/l
RT: 10.829 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 391238

Ion	Ratio	Lower	Upper
75	100		
77	31.0	23.5	35.3

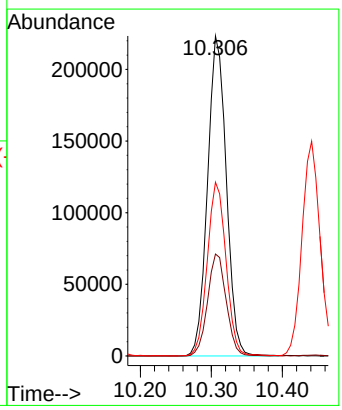


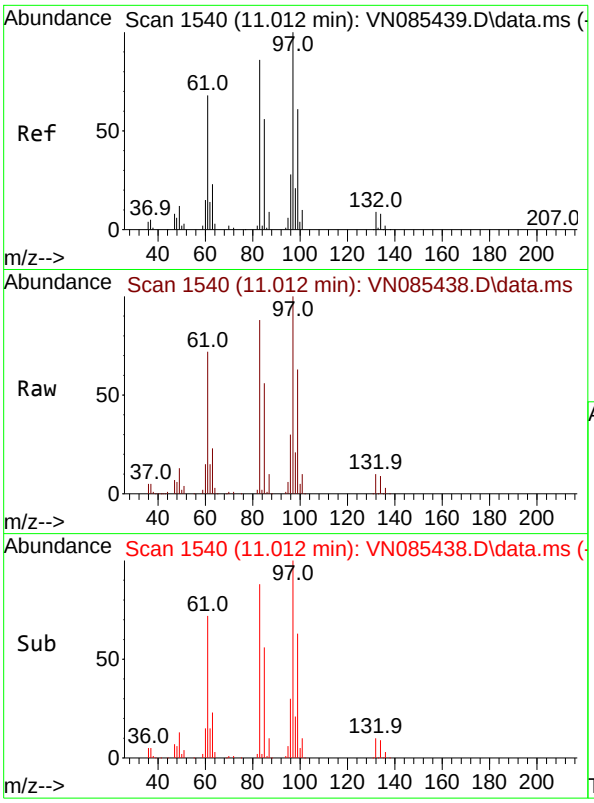


#54
cis-1,3-Dichloropropene
Concen: 112.369 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 75 Resp: 410403

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.0	37.4
39	54.3	43.1	64.7



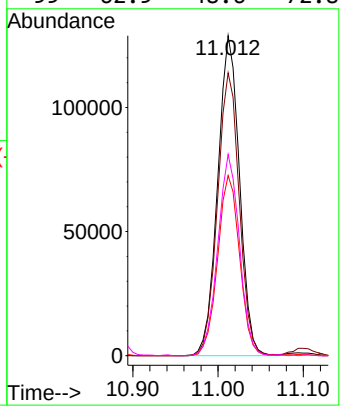


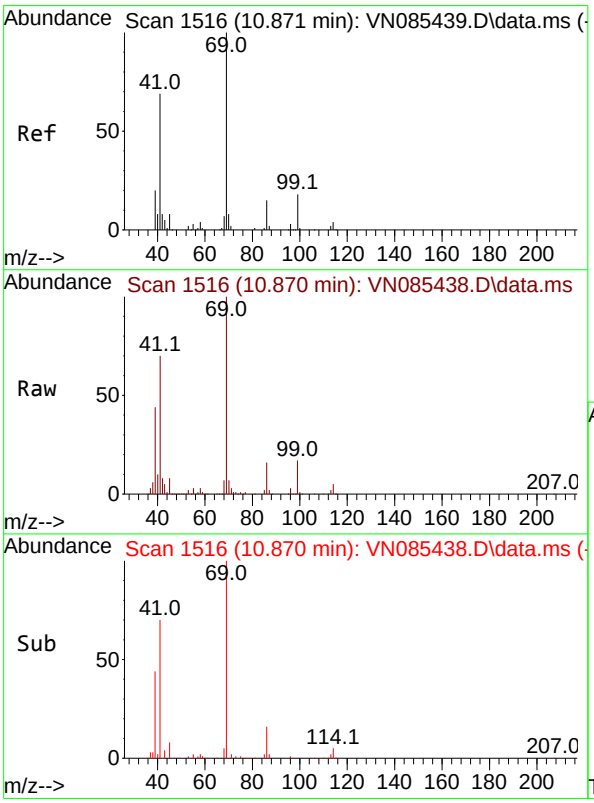
#55
1,1,2-Trichloroethane
Concen: 103.879 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 97 Resp: 229522

Ion	Ratio	Lower	Upper
97	100		
83	88.4	69.0	103.6
85	56.3	44.6	66.8
99	62.9	48.6	72.8

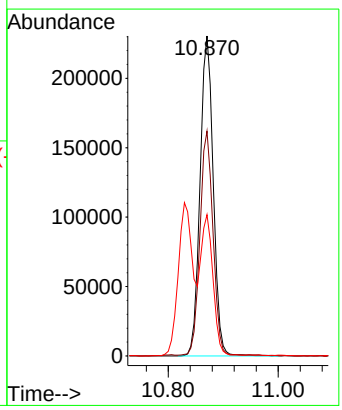


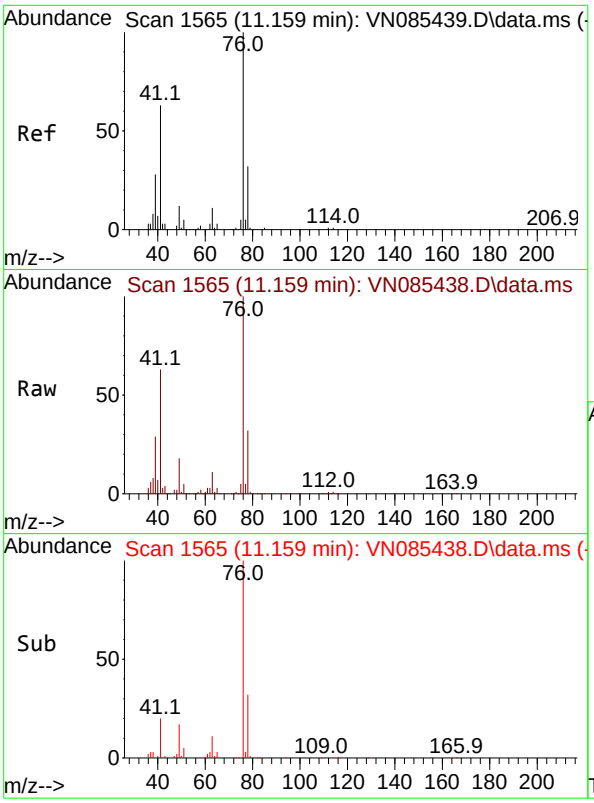


#56
Ethyl methacrylate
Concen: 101.029 ug/l
RT: 10.870 min Scan# 1516
Delta R.T. -0.001 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 69 Resp: 383663

Ion	Ratio	Lower	Upper
69	100		
41	69.1	54.6	82.0
39	40.1	32.4	48.6



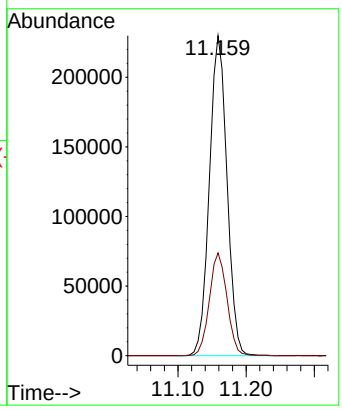


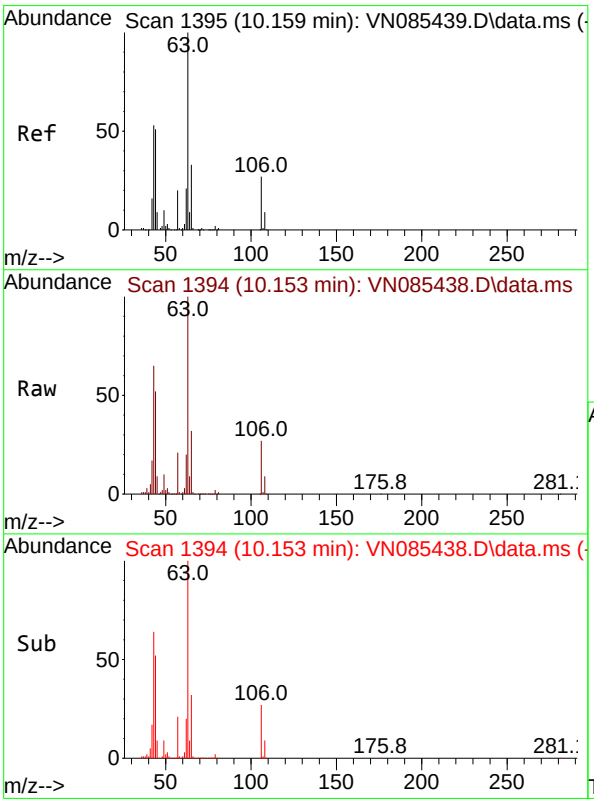
#57
1,3-Dichloropropane
Concen: 107.469 ug/l
RT: 11.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 412886

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.6	38.4

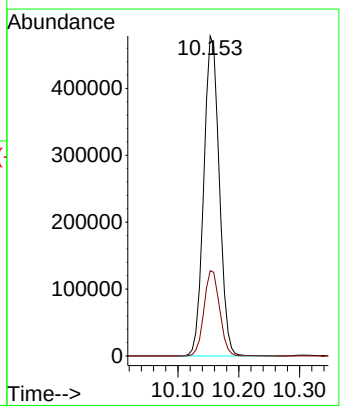


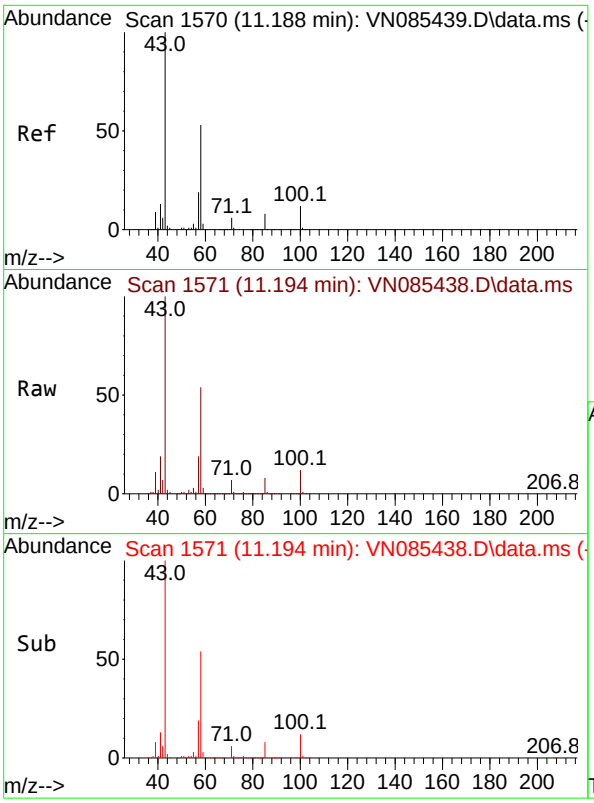


#58
2-Chloroethyl Vinyl ether
Concen: 605.243 ug/l
RT: 10.153 min Scan# 1394
Delta R.T. -0.006 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 63 Resp: 848636

Ion	Ratio	Lower	Upper
63	100		
106	26.8	21.6	32.4



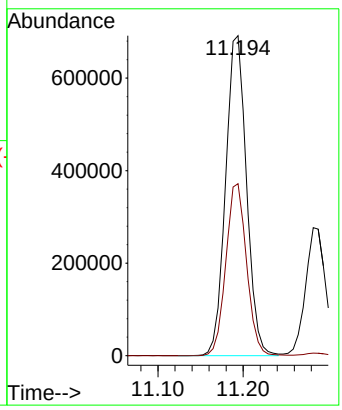


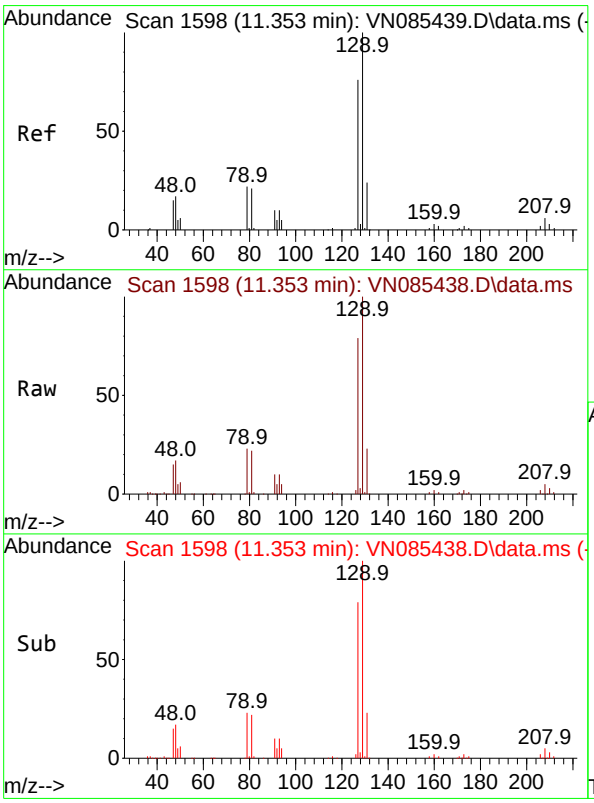
#59
2-Hexanone
Concen: 556.643 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1178831

Ion	Ratio	Lower	Upper
43	100		
58	53.2	26.2	78.6

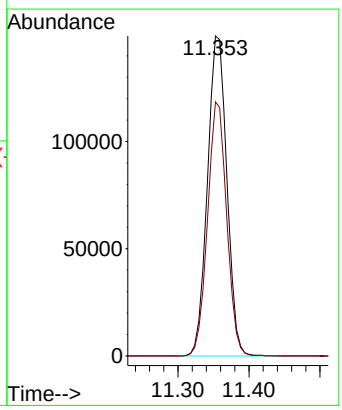


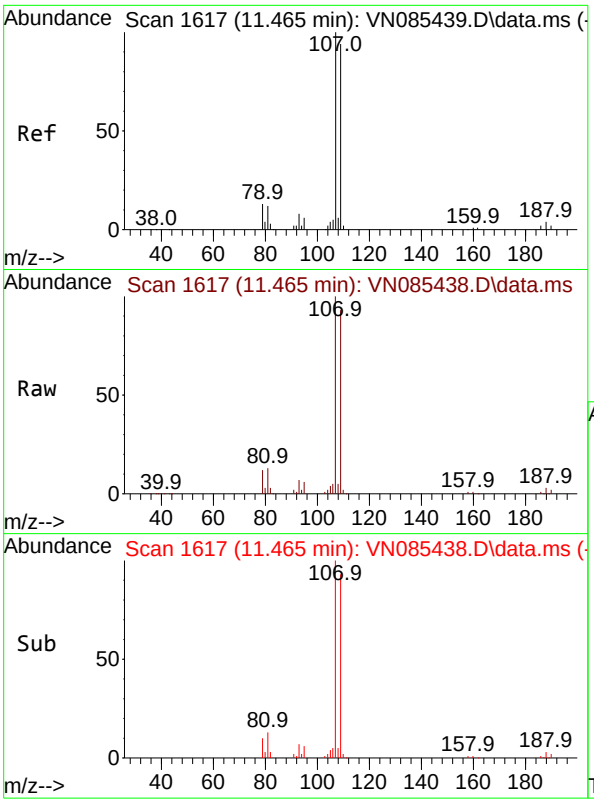


#60
Dibromochloromethane
Concen: 106.227 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion:129 Resp: 283361

Ion	Ratio	Lower	Upper
129	100		
127	78.1	38.6	115.8



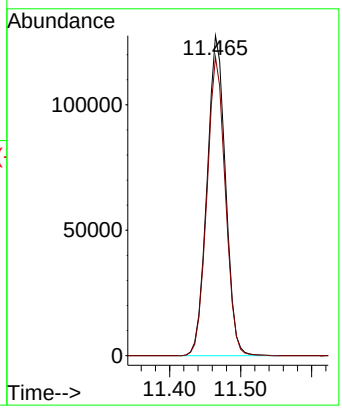


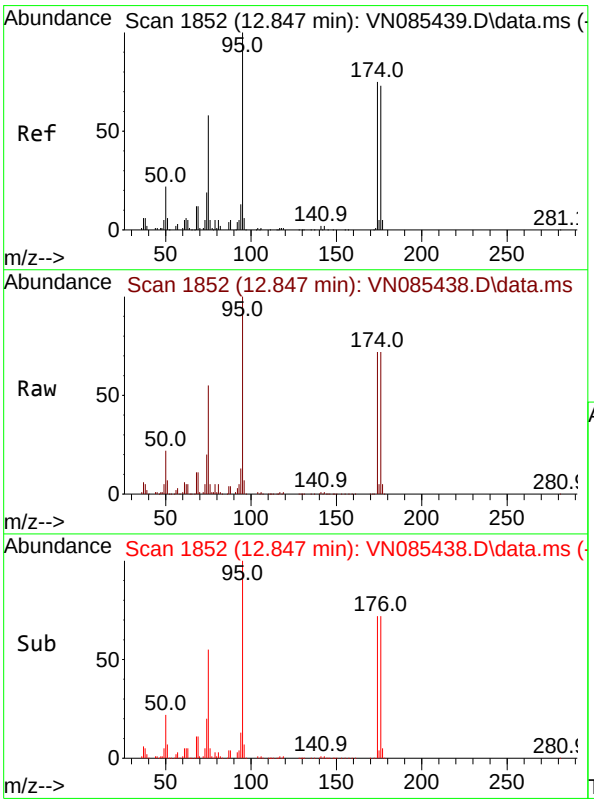
#61
1,2-Dibromoethane
Concen: 104.623 ug/l
RT: 11.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:107 Resp: 230104

Ion	Ratio	Lower	Upper
107	100		
109	93.1	75.9	113.9

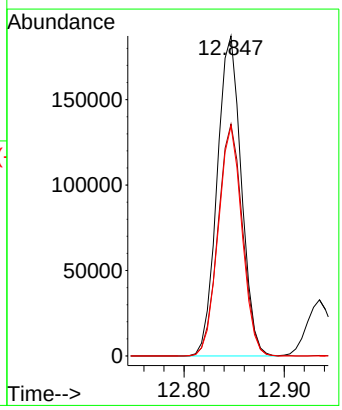


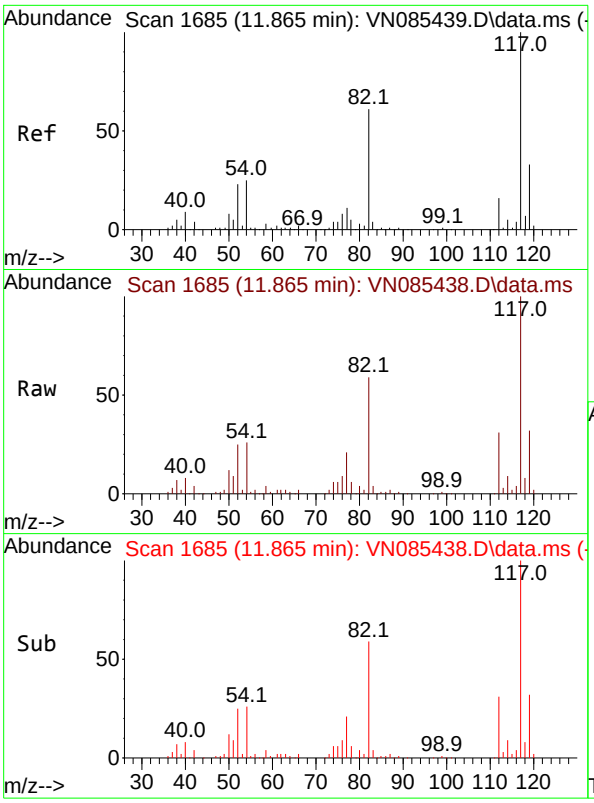


#62
4-Bromofluorobenzene
Concen: 112.765 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 95 Resp: 313161

Ion	Ratio	Lower	Upper
95	100		
174	73.4	0.0	145.0
176	70.5	0.0	142.4



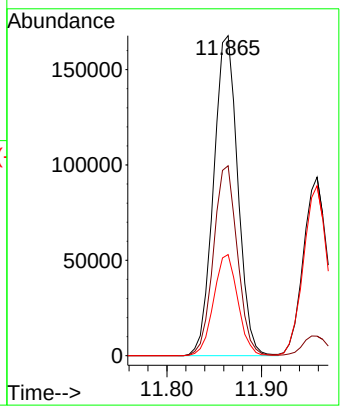


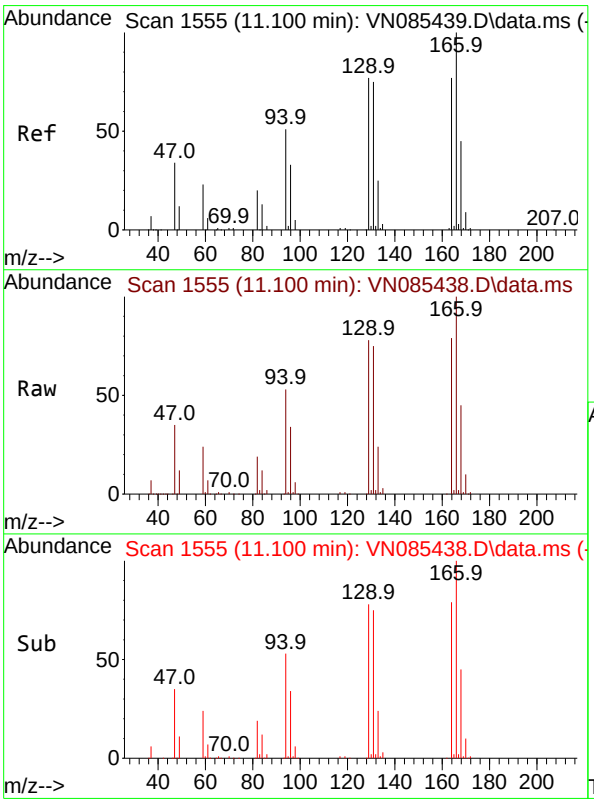
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:117 Resp: 298938

Ion	Ratio	Lower	Upper
117	100		
82	59.3	48.6	72.8
119	31.6	26.6	39.8

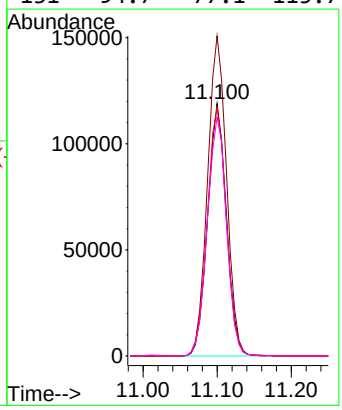


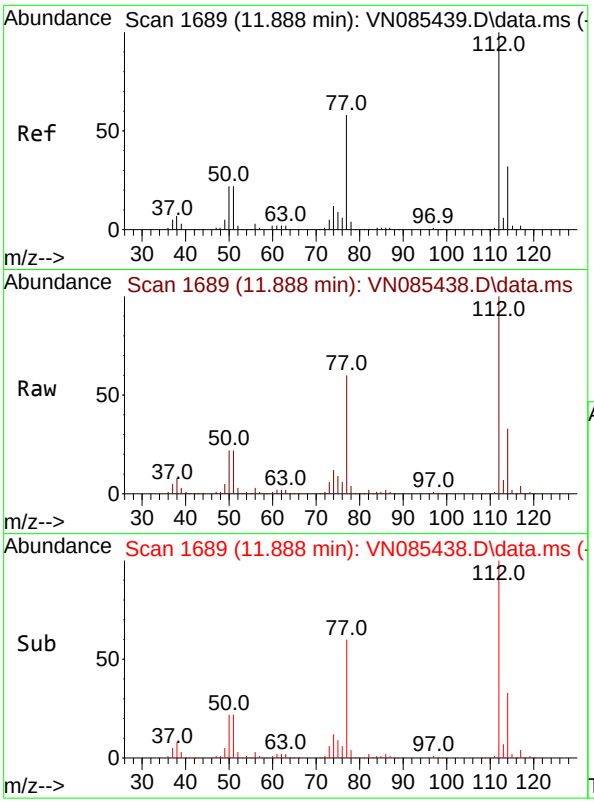


#64
Tetrachloroethene
Concen: 102.980 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion:164 Resp: 209870

Ion	Ratio	Lower	Upper
164	100		
166	126.8	103.4	155.2
129	98.3	79.2	118.8
131	94.7	77.1	115.7



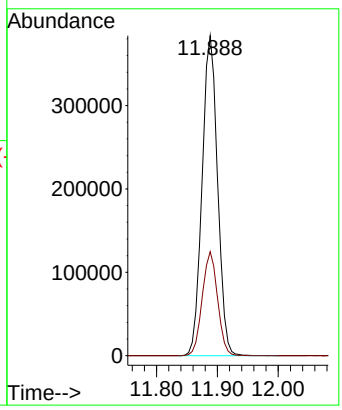


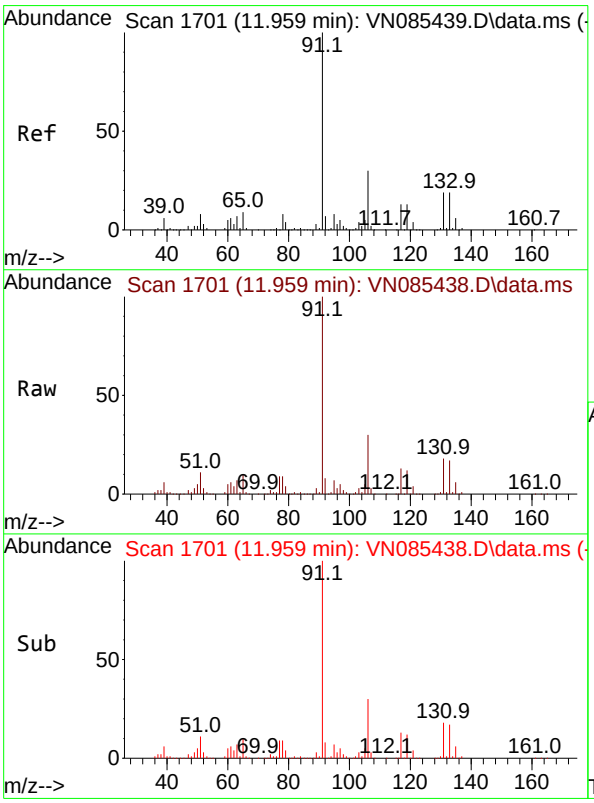
#65
Chlorobenzene
Concen: 103.482 ug/l
RT: 11.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:112 Resp: 677679

Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.3	37.9

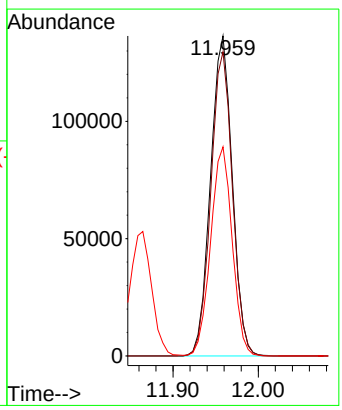


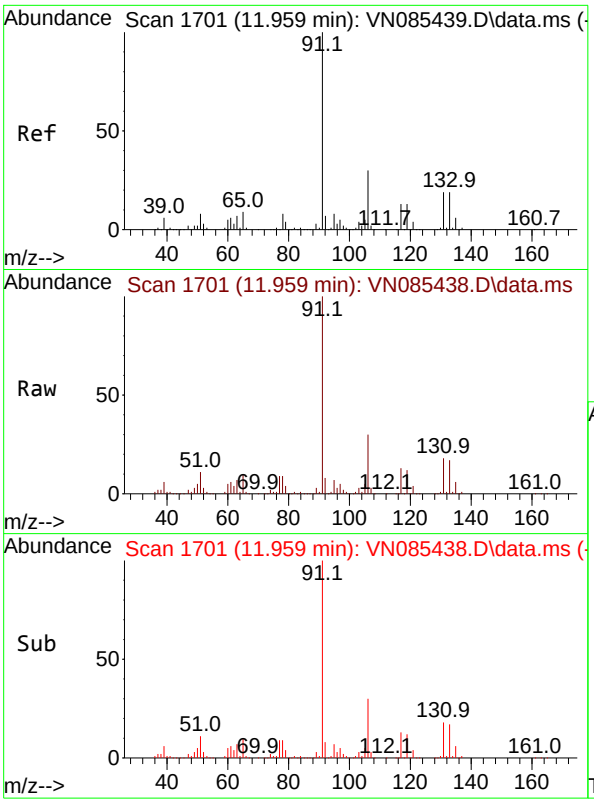


#66
1,1,1,2-Tetrachloroethane
Concen: 100.517 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion:131 Resp: 241593

Ion	Ratio	Lower	Upper
131	100		
133	94.3	47.4	142.3
119	64.9	33.1	99.5



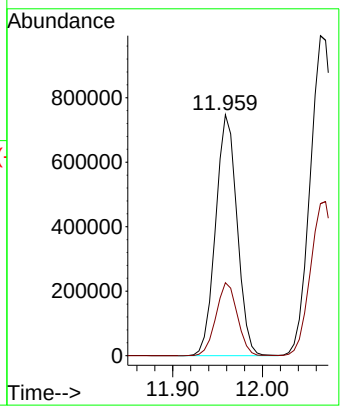


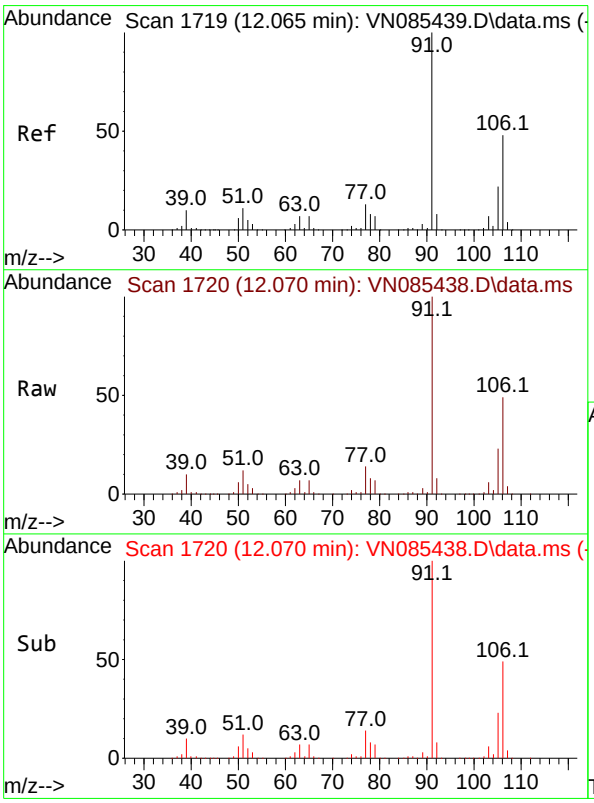
#67
Ethyl Benzene
Concen: 116.169 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 1239080

Ion	Ratio	Lower	Upper
91	100		
106	30.3	23.8	35.8

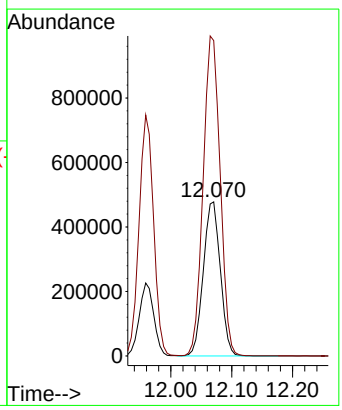


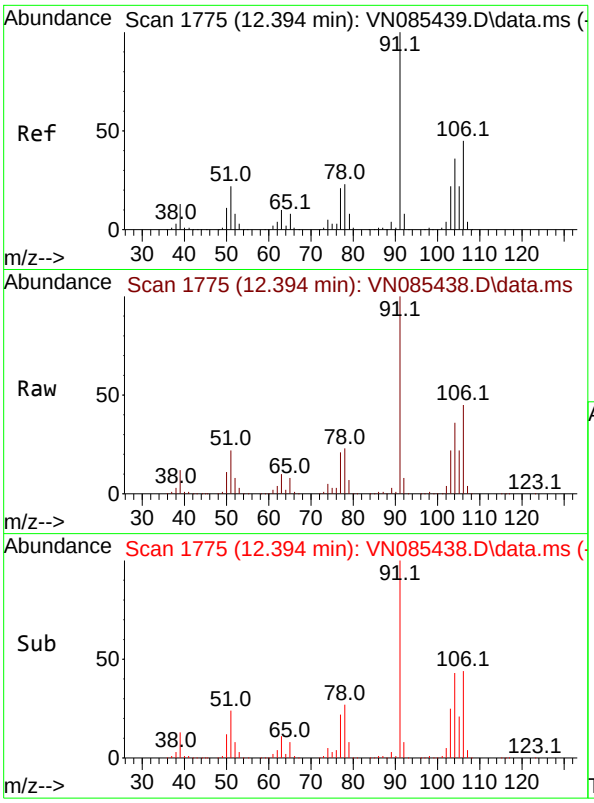


#68
m/p-Xylenes
Concen: 235.219 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. 0.006 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion:106 Resp: 927244

Ion	Ratio	Lower	Upper
106	100		
91	208.0	167.7	251.5



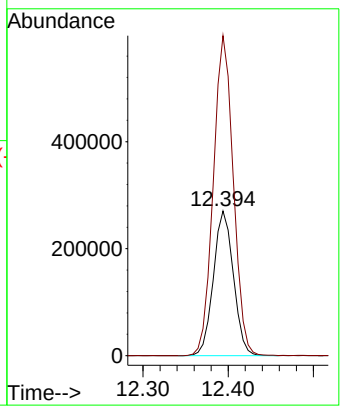


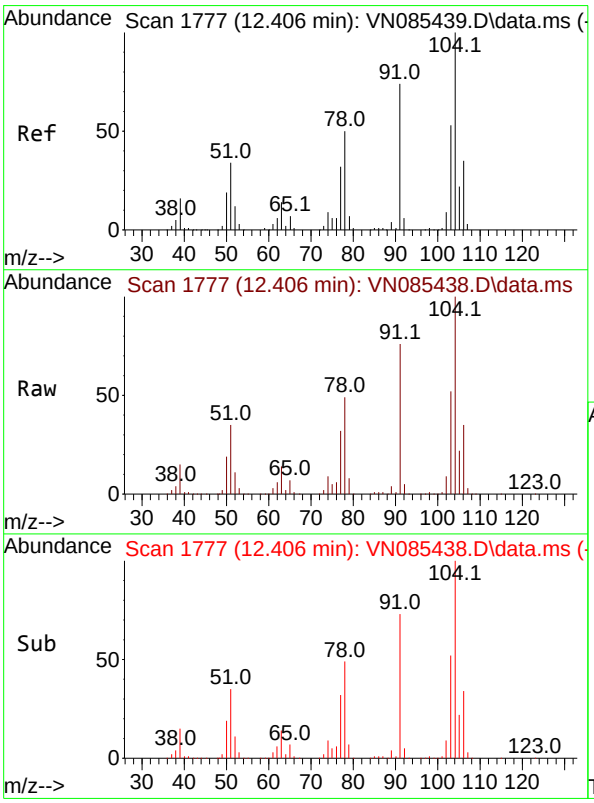
#69
o-Xylene
Concen: 117.135 ug/l
RT: 12.394 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 441279

Ion	Ratio	Lower	Upper
106	100		
91	221.3	110.4	331.2

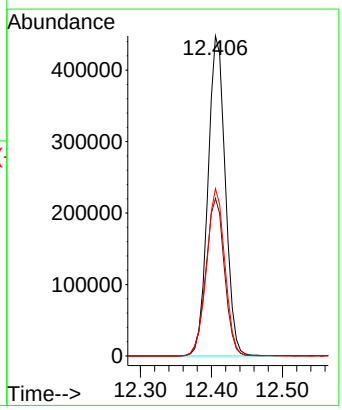


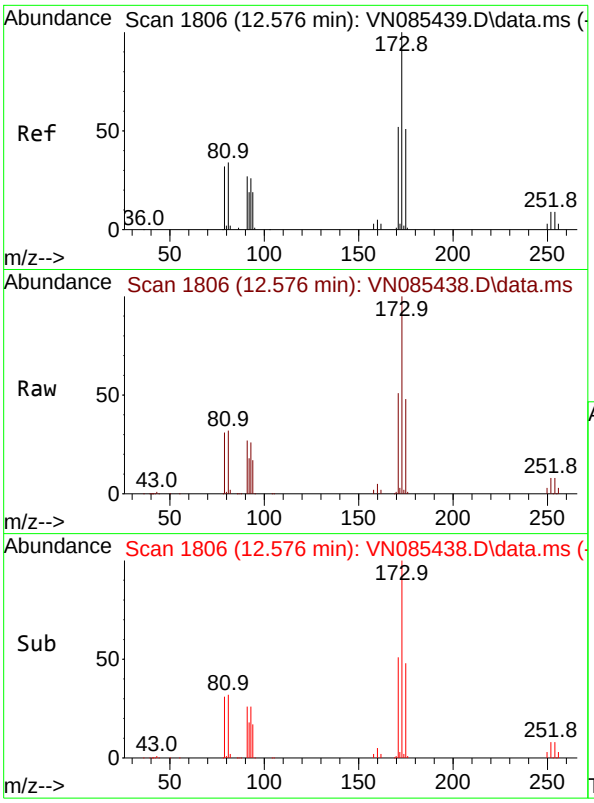


#70
Styrene
Concen: 121.919 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion:104 Resp: 760136

Ion	Ratio	Lower	Upper
104	100		
78	52.8	42.5	63.7
103	55.3	43.8	65.8



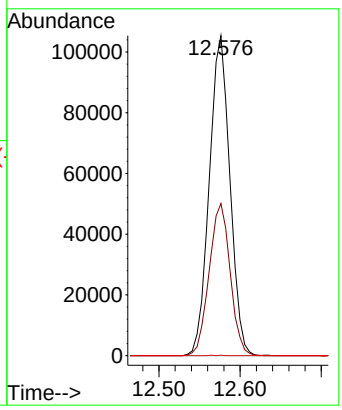


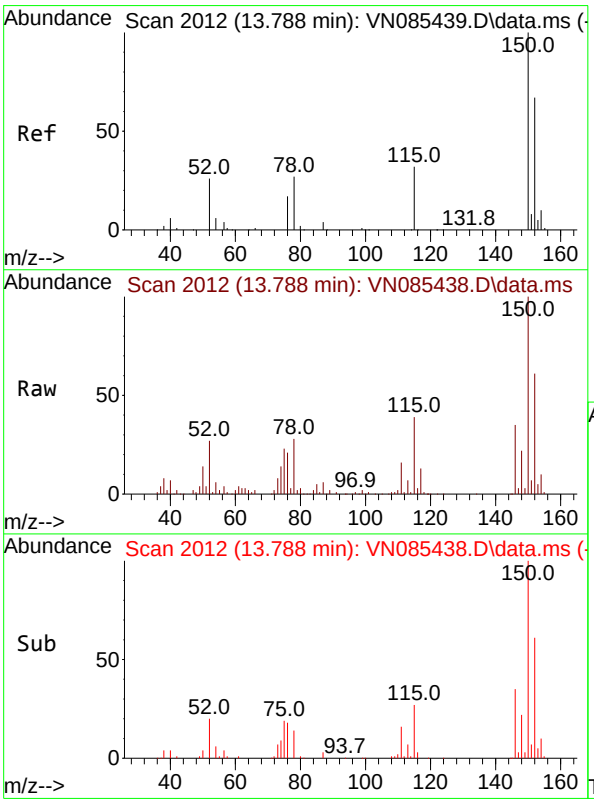
#71
Bromoform
Concen: 108.227 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:173 Resp: 186124

Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.4	73.2
254	0.1	0.0	0.0#

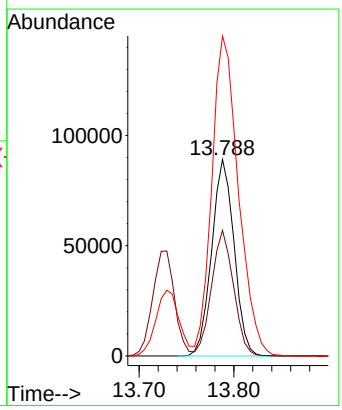


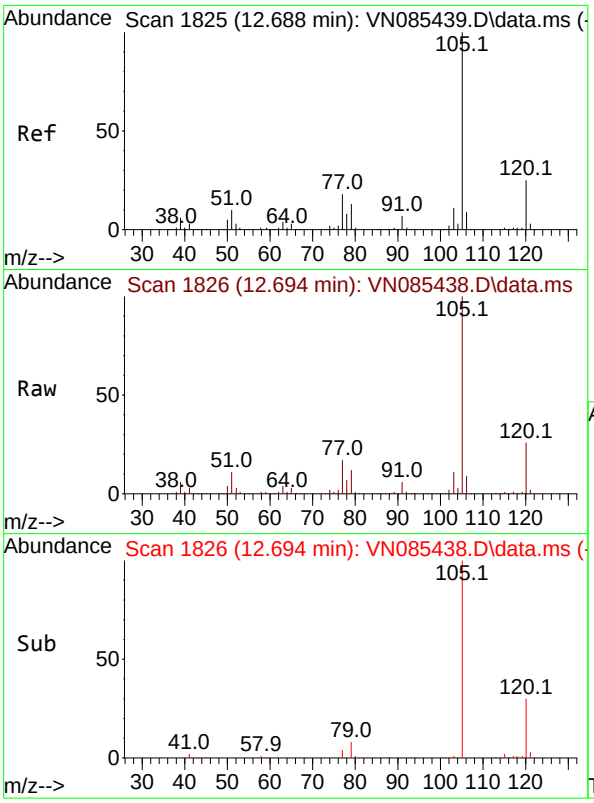


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion:152 Resp: 146196

Ion	Ratio	Lower	Upper
152	100		
115	62.7	31.1	93.3
150	193.1	0.0	343.6



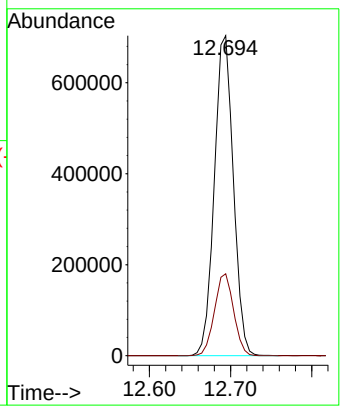


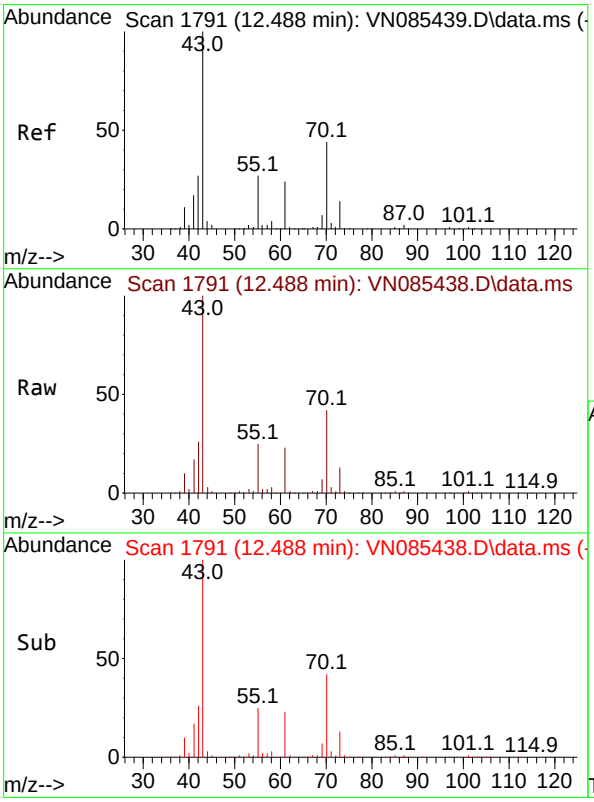
#73
Isopropylbenzene
Concen: 116.221 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 1146752

Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.8	38.3

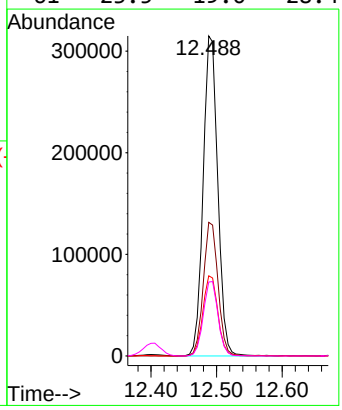


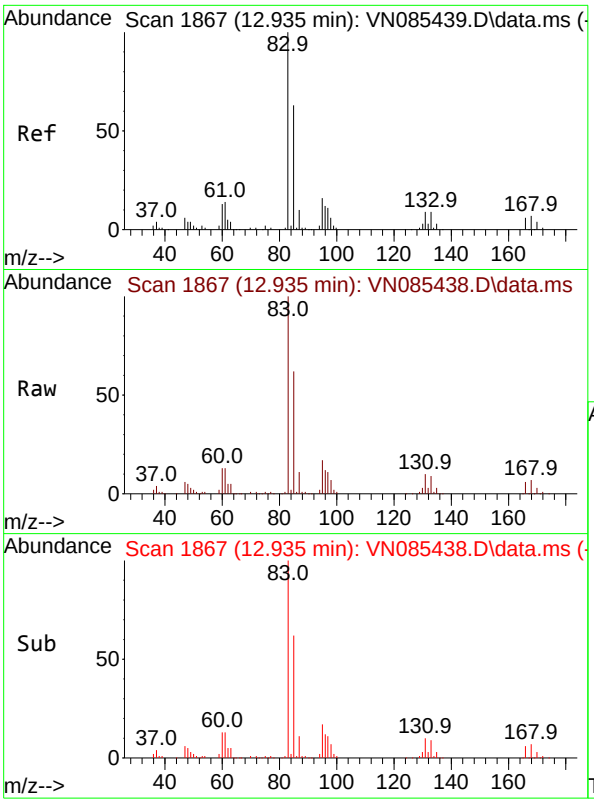


#74
N-amyl acetate
Concen: 110.308 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 43 Resp: 489217

Ion	Ratio	Lower	Upper
43	100		
70	41.9	34.0	51.0
55	25.7	21.4	32.2
61	23.5	19.0	28.4



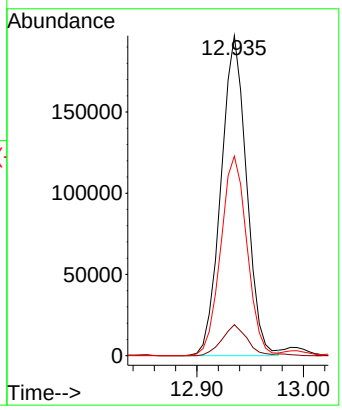


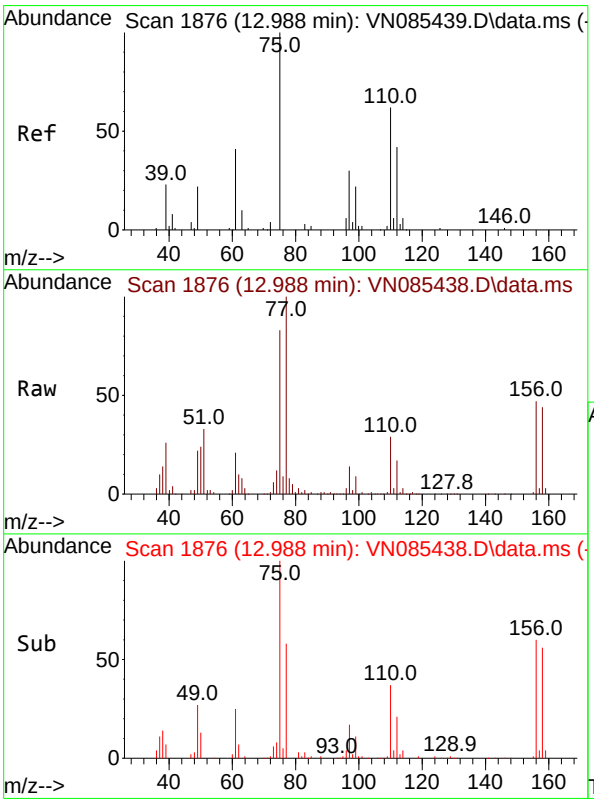
#75
1,1,2,2-Tetrachloroethane
Concen: 94.039 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 327767

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.8	14.4
85	64.1	32.2	96.6

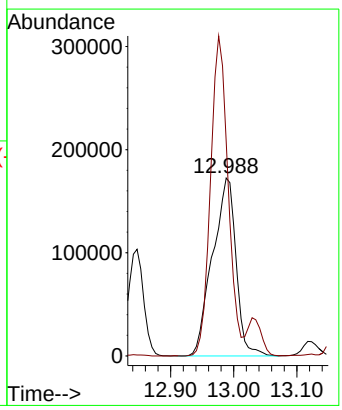


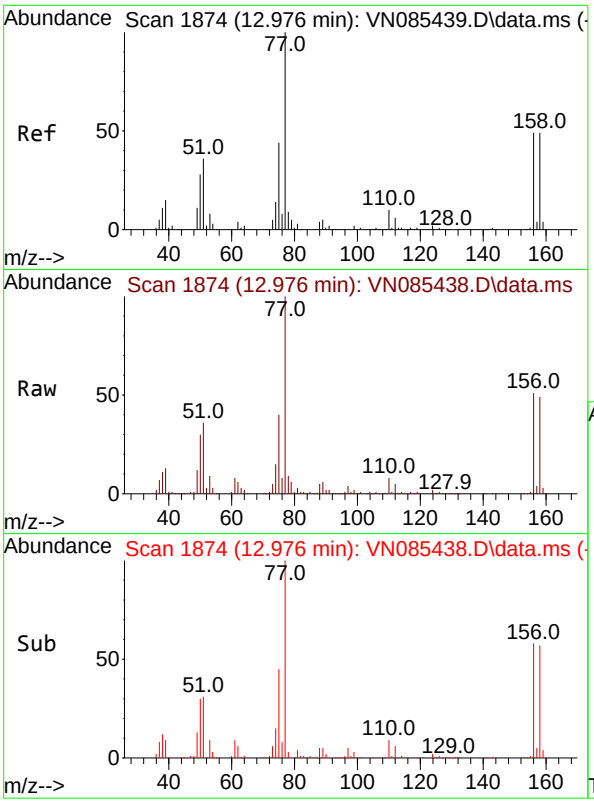


#76
1,2,3-Trichloropropane
Concen: 150.413 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 75 Resp: 446237

Ion	Ratio	Lower	Upper
75	100		
77	133.9	109.7	329.2



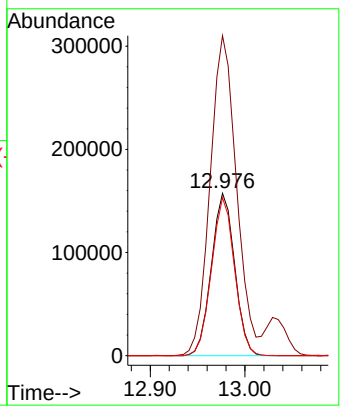


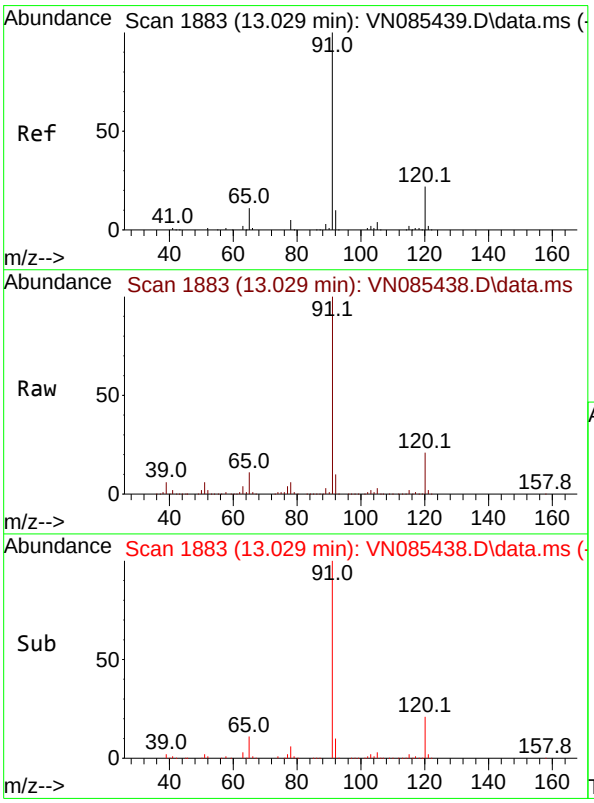
#77
Bromobenzene
Concen: 104.200 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:156 Resp: 268616

Ion	Ratio	Lower	Upper
156	100		
77	222.4	114.1	342.4
158	96.3	48.9	146.8

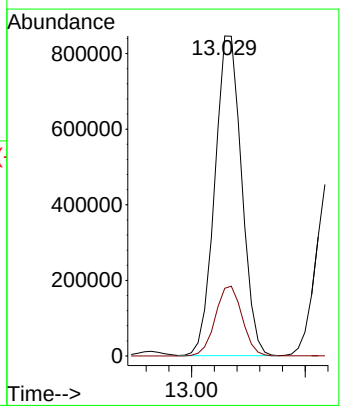


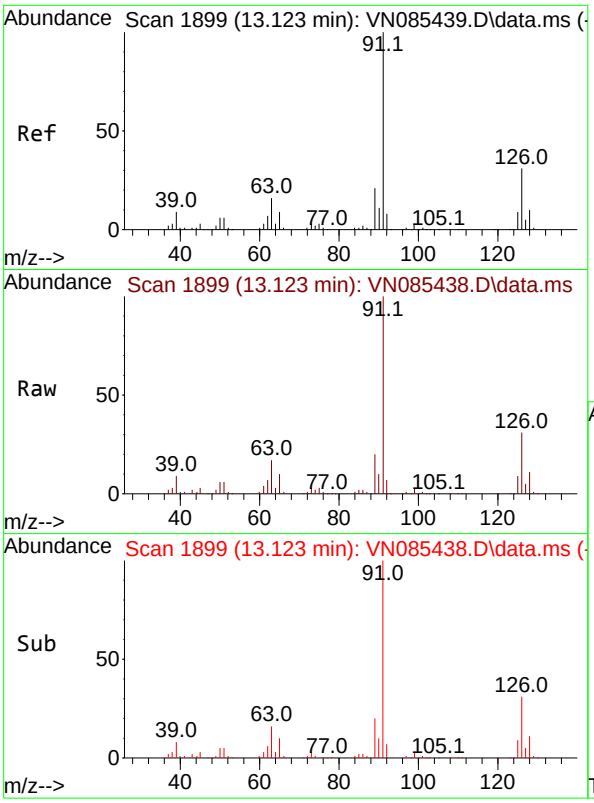


#78
n-propylbenzene
Concen: 118.600 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 91 Resp: 1385353

Ion	Ratio	Lower	Upper
91	100		
120	21.8	10.9	32.6



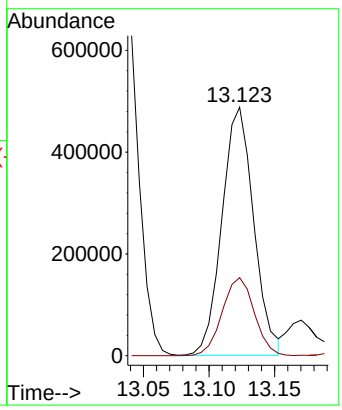


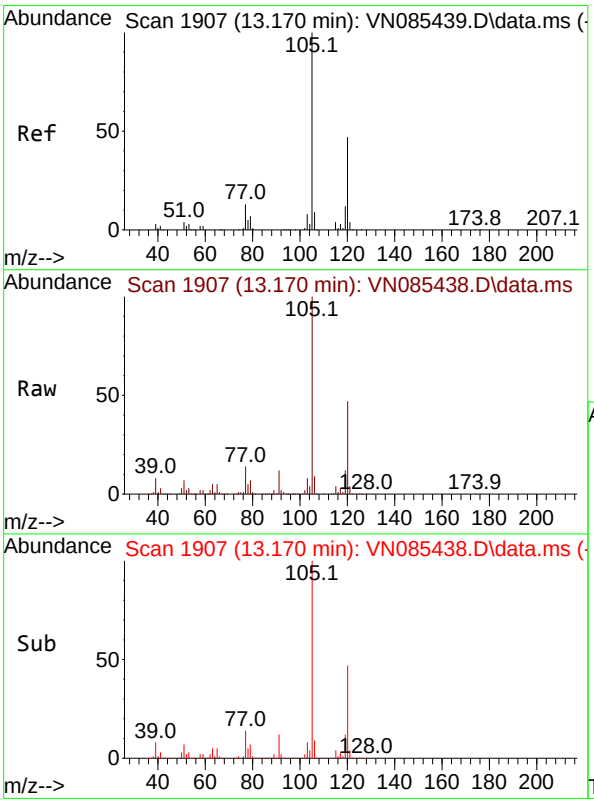
#79
2-Chlorotoluene
Concen: 108.767 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 822258

Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.7	47.1

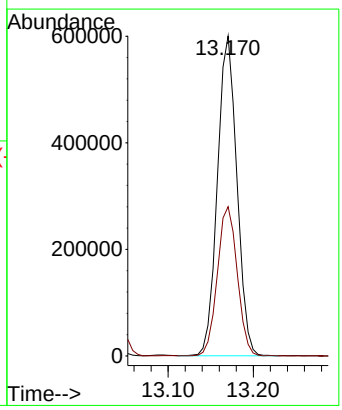


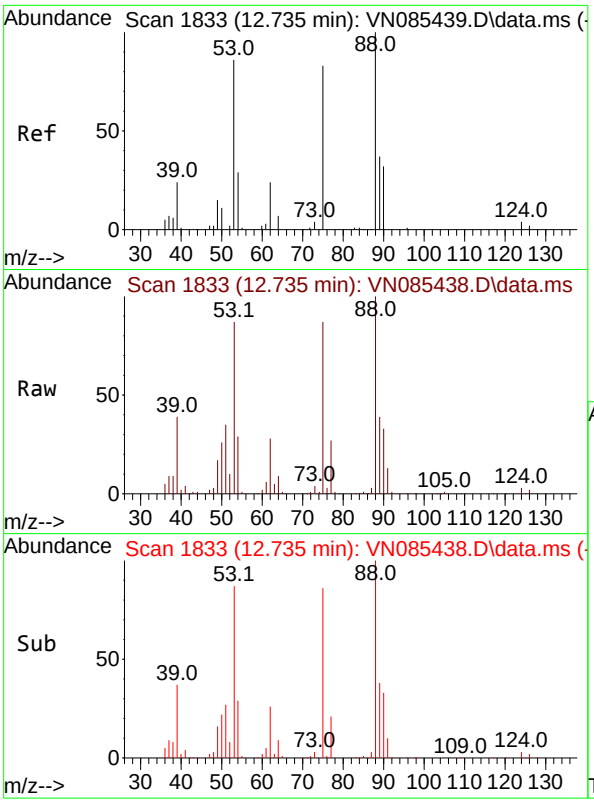


#80
1,3,5-Trimethylbenzene
Concen: 116.938 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion:105 Resp: 953066

Ion	Ratio	Lower	Upper
105	100		
120	47.8	23.9	71.7



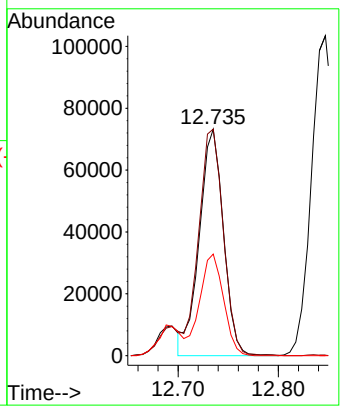


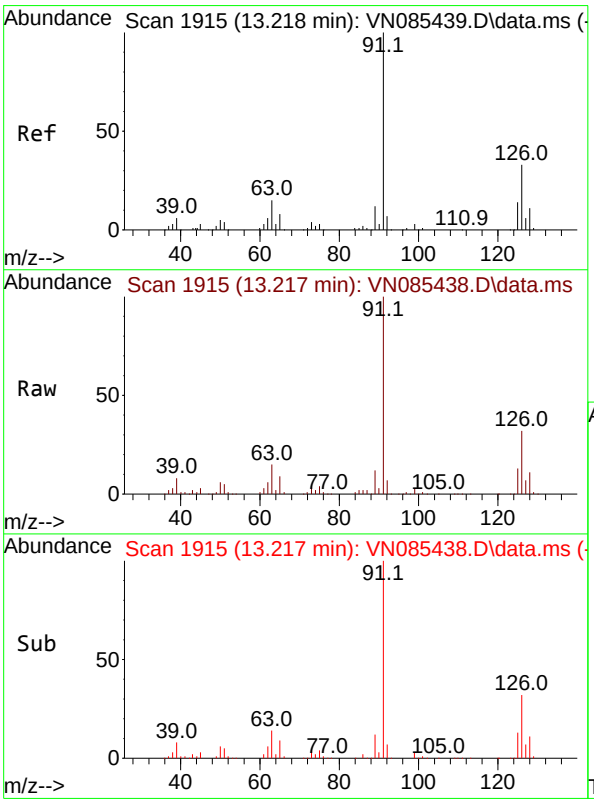
#81
trans-1,4-Dichloro-2-butene
Concen: 111.544 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 122508

Ion	Ratio	Lower	Upper
75	100		
53	100.9	95.6	143.4
89	44.4	37.0	55.6

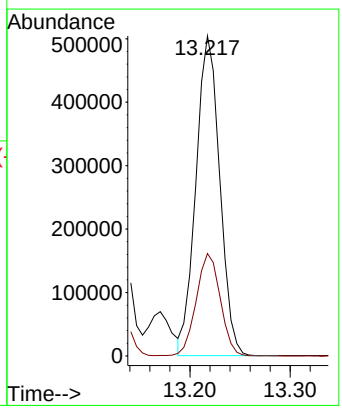


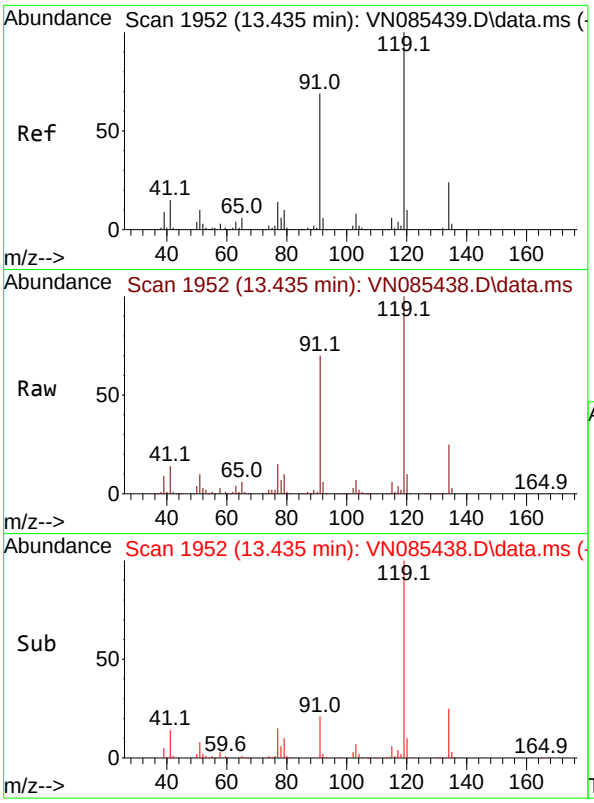


#82
4-Chlorotoluene
Concen: 110.574 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 91 Resp: 832317

Ion	Ratio	Lower	Upper
91	100		
126	32.5	15.9	47.7



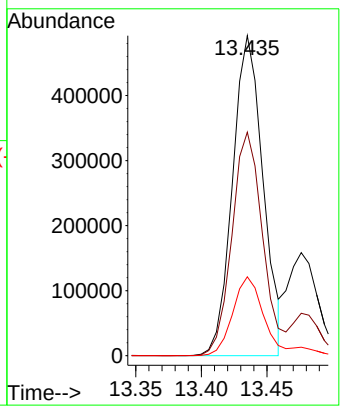


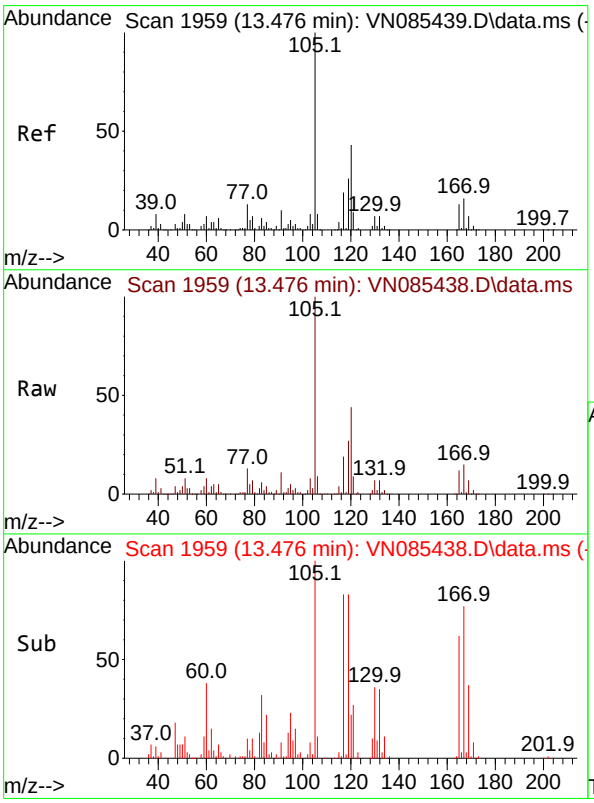
#83
tert-Butylbenzene
Concen: 116.457 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:119 Resp: 797069

Ion	Ratio	Lower	Upper
119	100		
91	70.7	35.1	105.3
134	26.6	12.0	36.1

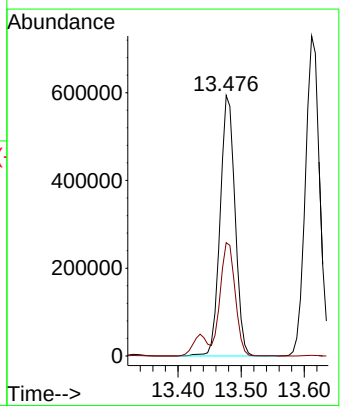


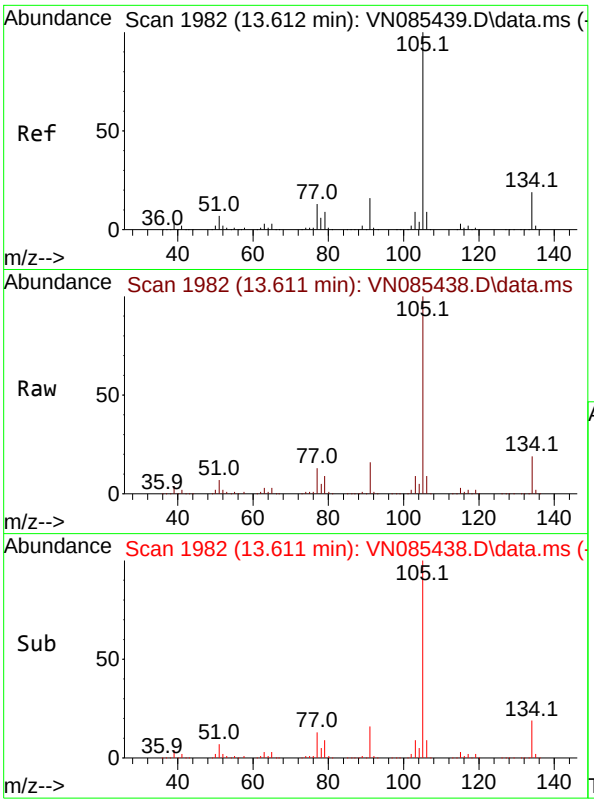


#84
1,2,4-Trimethylbenzene
Concen: 119.625 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion:105 Resp: 971729

Ion	Ratio	Lower	Upper
105	100		
120	43.4	21.6	65.0



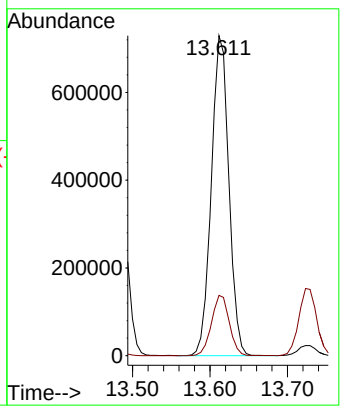


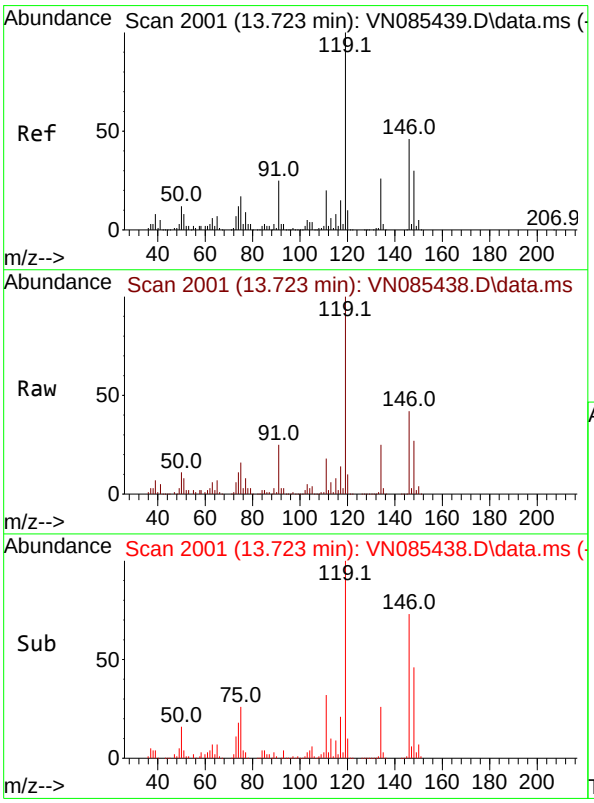
#85
sec-Butylbenzene
Concen: 120.587 ug/l
RT: 13.611 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 1143885

Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.7	28.9

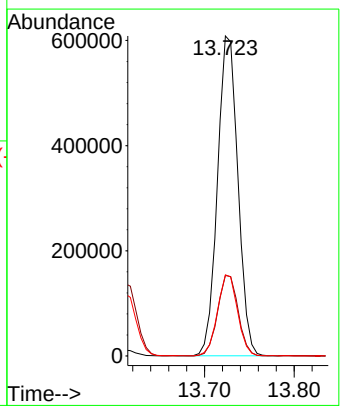


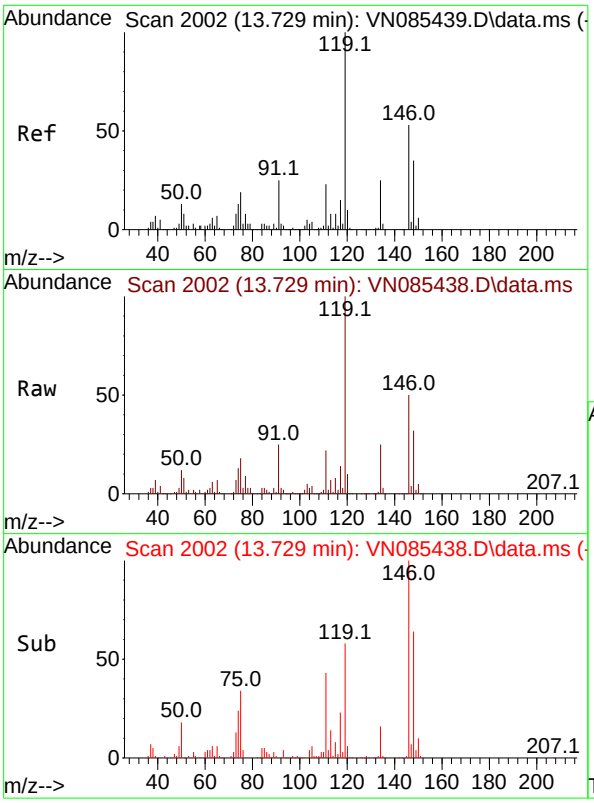


#86
p-Isopropyltoluene
Concen: 100.111 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion:119 Resp: 960747

Ion	Ratio	Lower	Upper
119	100		
134	25.3	12.7	38.0
91	25.0	12.7	38.1



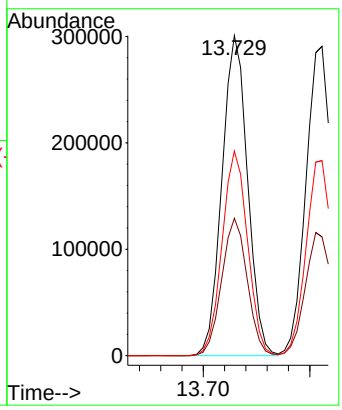


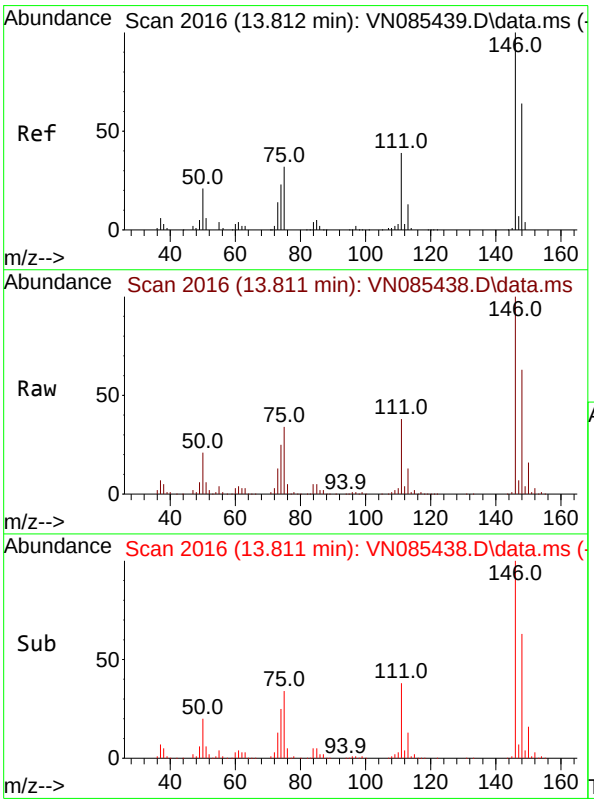
#87
1,3-Dichlorobenzene
Concen: 105.943 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 502960

Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.4	64.3
148	63.6	32.3	96.9

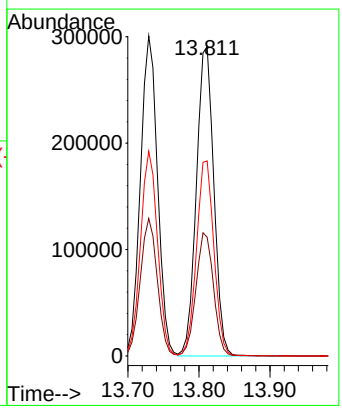


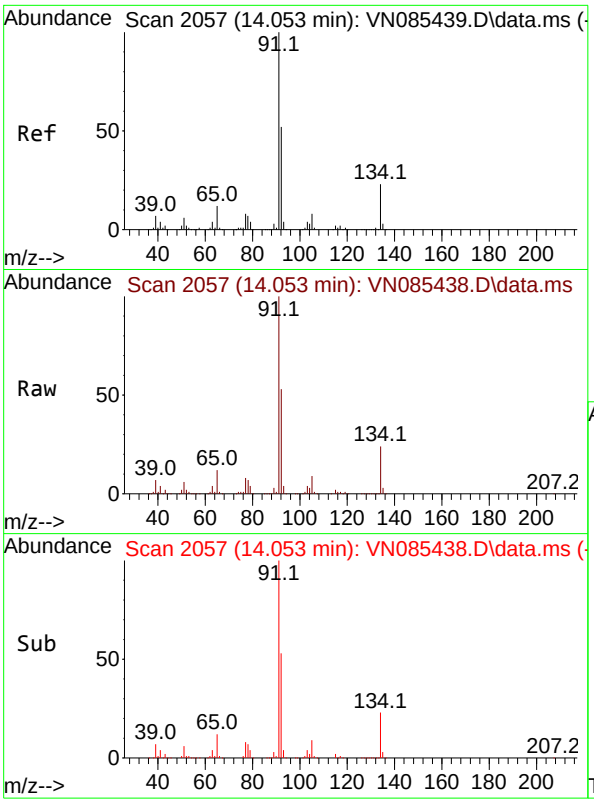


#88
1,4-Dichlorobenzene
Concen: 101.341 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion:146 Resp: 498709

Ion	Ratio	Lower	Upper
146	100		
111	40.1	21.3	63.7
148	63.1	32.4	97.0



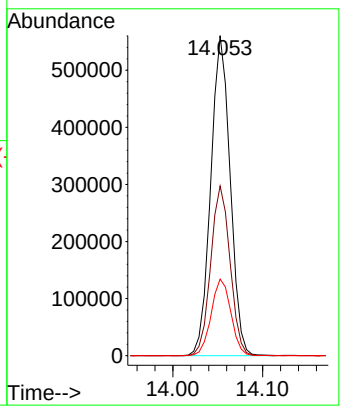


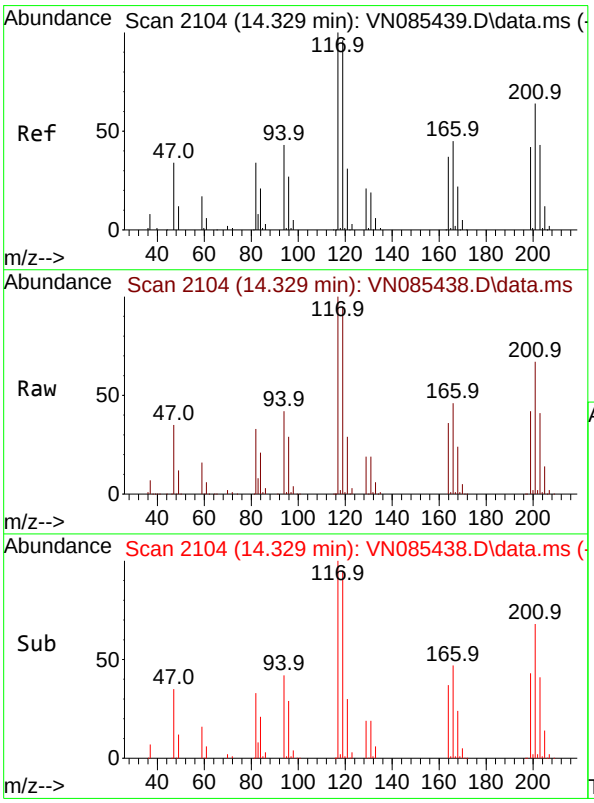
#89
n-Butylbenzene
Concen: 123.781 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 842368

Ion	Ratio	Lower	Upper
91	100		
92	52.8	25.8	77.3
134	24.3	11.7	35.1

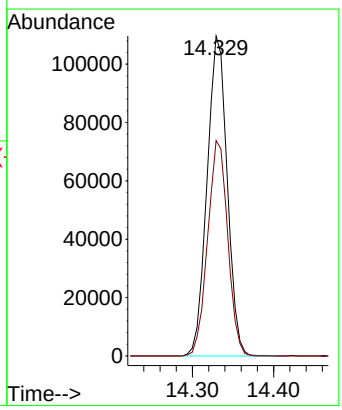


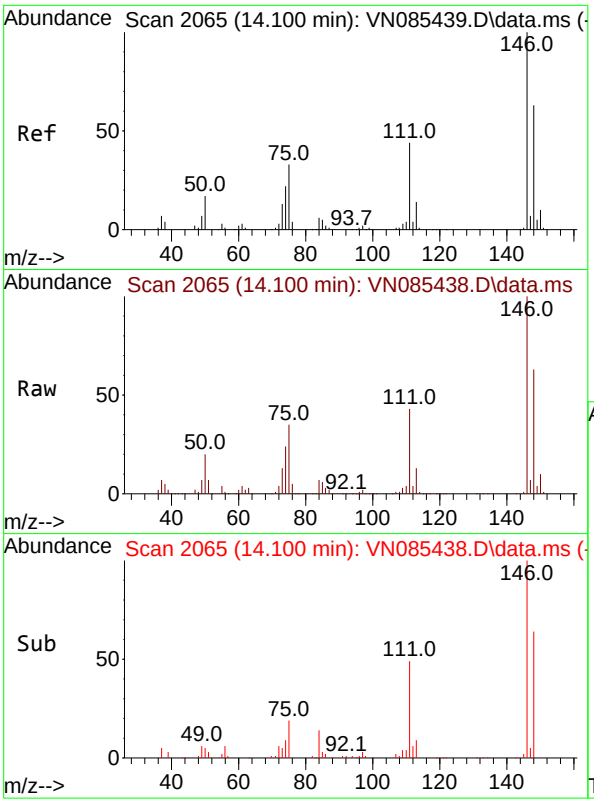


#90
Hexachloroethane
Concen: 104.405 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion:117 Resp: 188541

Ion	Ratio	Lower	Upper
117	100		
201	67.2	33.7	101.0



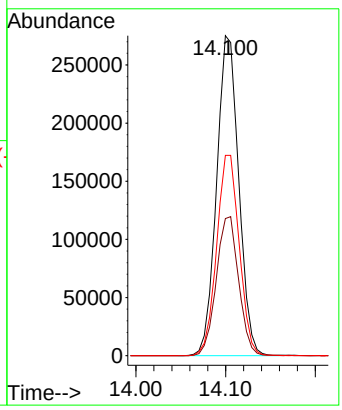


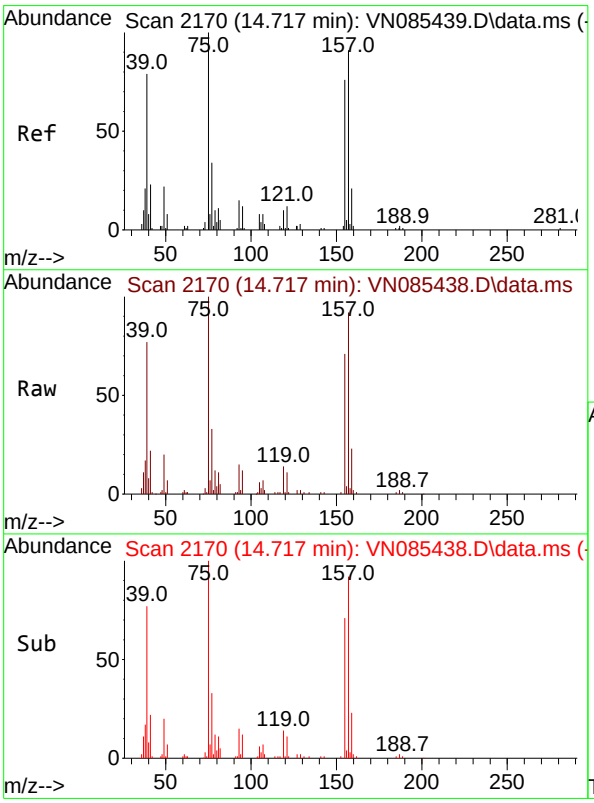
#91
1,2-Dichlorobenzene
Concen: 99.445 ug/l
RT: 14.100 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 470919

Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.7	65.1
148	64.0	31.4	94.2

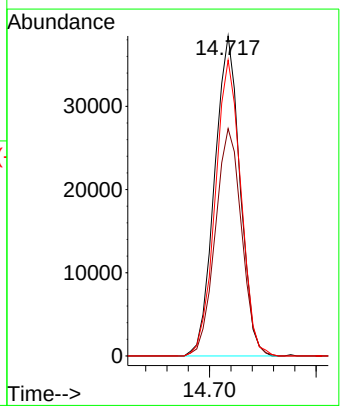


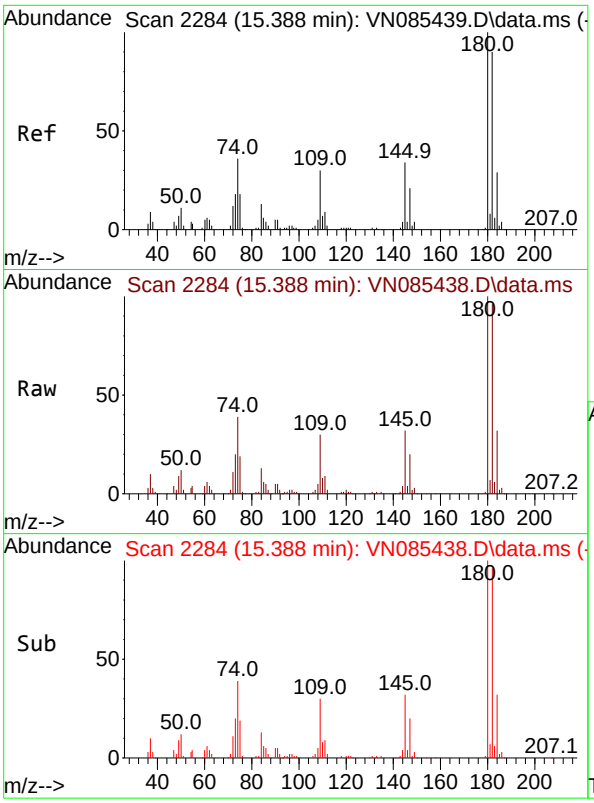


#92
1,2-Dibromo-3-Chloropropane
Concen: 100.313 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion: 75 Resp: 63846

Ion	Ratio	Lower	Upper
75	100		
155	73.5	36.4	109.2
157	93.0	45.4	136.1



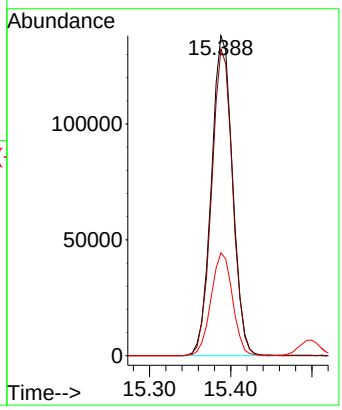


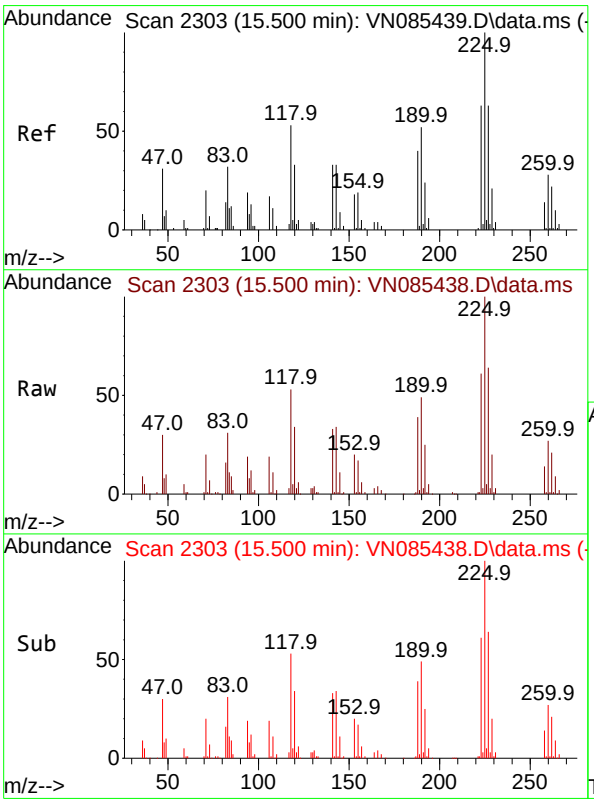
#93
1,2,4-Trichlorobenzene
Concen: 113.946 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:180 Resp: 250787

Ion	Ratio	Lower	Upper
180	100		
182	94.9	46.8	140.3
145	32.6	16.0	48.0

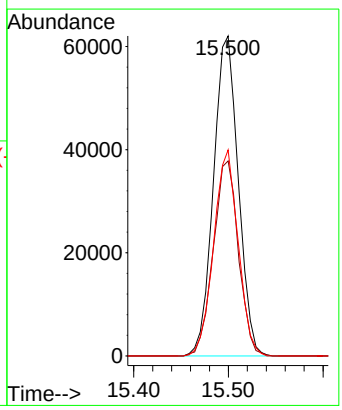


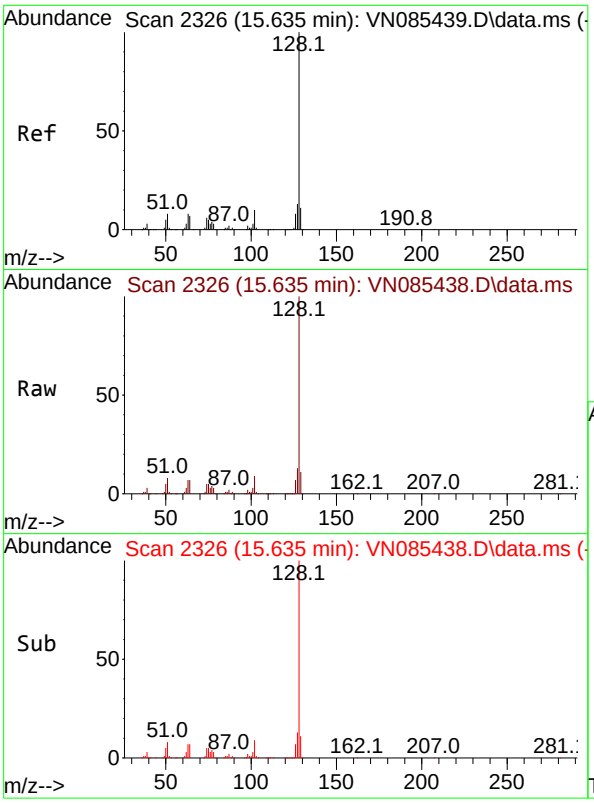


#94
Hexachlorobutadiene
Concen: 96.619 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion:225 Resp: 112899

Ion	Ratio	Lower	Upper
225	100		
223	61.8	30.7	92.1
227	63.6	30.9	92.5



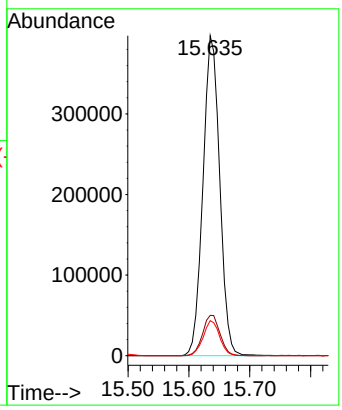


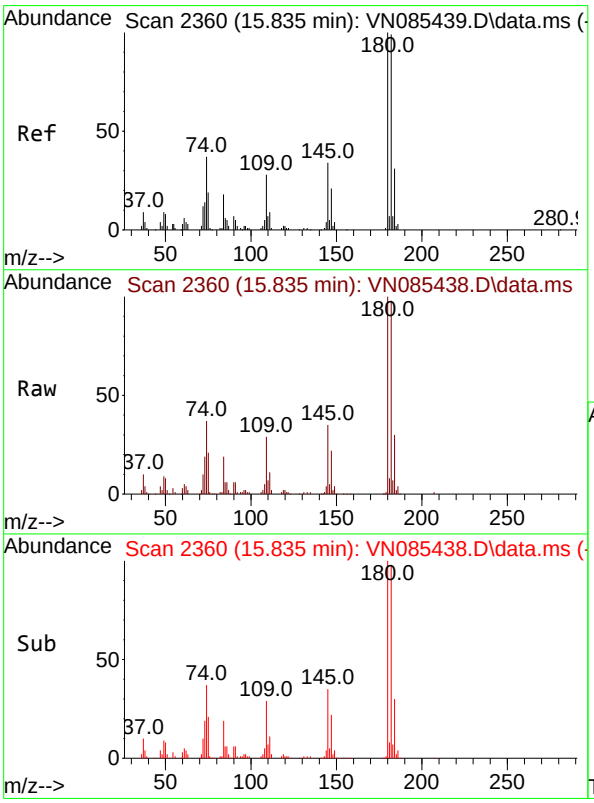
#95
Naphthalene
Concen: 115.234 ug/l
RT: 15.635 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 756816

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	16.0
129	10.8	8.8	13.2

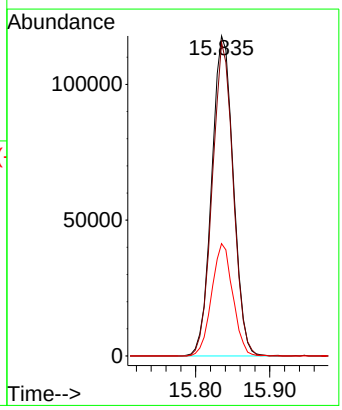




#96
1,2,3-Trichlorobenzene
Concen: 107.256 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN085438.D
Acq: 14 Jan 2025 14:56

Tgt Ion:180 Resp: 238860

Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.4	142.2
145	34.3	16.9	50.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085439.D
Acq On : 14 Jan 2025 15:19
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Quant Time: Jan 15 01:42:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	199403	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	339872	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	297366	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	146624	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	165768	51.500	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.000%			
35) Dibromofluoromethane	8.159	113	121554	51.552	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.100%			
50) Toluene-d8	10.565	98	430698	51.411	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.820%			
62) 4-Bromofluorobenzene	12.847	95	152568	53.239	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.480%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	125504	46.486	ug/l	100
3) Chloromethane	2.359	50	135631	46.398	ug/l	100
4) Vinyl Chloride	2.512	62	136831	46.569	ug/l	100
5) Bromomethane	2.953	94	83199	46.877	ug/l	100
6) Chloroethane	3.118	64	84517	45.371	ug/l	100
7) Trichlorofluoromethane	3.501	101	198726	46.613	ug/l	100
8) Diethyl Ether	3.953	74	71764	48.726	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	108081	45.010	ug/l	100
10) Methyl Iodide	4.589	142	143383	52.142	ug/l	100
11) Tert butyl alcohol	5.512	59	92841	251.894	ug/l	100
12) 1,1-Dichloroethene	4.342	96	106247	49.647	ug/l	100
13) Acrolein	4.171	56	139234	276.734	ug/l	100
14) Allyl chloride	5.018	41	168654	48.567	ug/l	100
15) Acrylonitrile	5.712	53	296781	253.507	ug/l	100
16) Acetone	4.418	43	251271	241.603	ug/l	100
17) Carbon Disulfide	4.706	76	294604	44.710	ug/l	100
18) Methyl Acetate	5.018	43	157485	49.798	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	373561	53.758	ug/l	100
20) Methylene Chloride	5.271	84	125508	48.748	ug/l	100
21) trans-1,2-Dichloroethene	5.783	96	110684	48.395	ug/l	100
22) Diisopropyl ether	6.665	45	406253	52.707	ug/l	100
23) Vinyl Acetate	6.594	43	1491031	275.471	ug/l	100
24) 1,1-Dichloroethane	6.565	63	233336	49.648	ug/l	100
25) 2-Butanone	7.477	43	388457	253.815	ug/l	100
26) 2,2-Dichloropropane	7.483	77	186591	49.106	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	136229	50.571	ug/l	100
28) Bromochloromethane	7.806	49	108148	49.461	ug/l	100
29) Tetrahydrofuran	7.830	42	259683	267.624	ug/l	100
30) Chloroform	7.959	83	234271	48.229	ug/l	100
31) Cyclohexane	8.253	56	175588	42.984	ug/l	100
32) 1,1,1-Trichloroethane	8.165	97	202590	47.547	ug/l	100
36) 1,1-Dichloropropene	8.365	75	157031	47.453	ug/l	100
37) Ethyl Acetate	7.553	43	165866	49.658	ug/l	100
38) Carbon Tetrachloride	8.359	117	180199	47.564	ug/l	100
39) Methylcyclohexane	9.600	83	157234	50.562	ug/l	100
40) Benzene	8.600	78	492606	49.542	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085439.D
Acq On : 14 Jan 2025 15:19
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Quant Time: Jan 15 01:42:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	91711	52.775	ug/l		100
42) 1,2-Dichloroethane	8.665	62	186065	49.685	ug/l		100
43) Isopropyl Acetate	8.683	43	276228	51.611	ug/l		100
44) Trichloroethene	9.347	130	109953	47.506	ug/l		100
45) 1,2-Dichloropropane	9.618	63	126084	49.644	ug/l		100
46) Dibromomethane	9.706	93	90670	49.476	ug/l		100
47) Bromodichloromethane	9.882	83	189915	50.867	ug/l		100
48) Methyl methacrylate	9.677	41	133399	55.385	ug/l		100
49) 1,4-Dioxane	9.688	88	43048	1061.334	ug/l		100
51) 4-Methyl-2-Pentanone	10.441	43	836707	269.403	ug/l		100
52) Toluene	10.624	92	295792	51.341	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	187439	53.125	ug/l		100
54) cis-1,3-Dichloropropene	10.306	75	199771	53.006	ug/l		100
55) 1,1,2-Trichloroethane	11.012	97	115462	50.641	ug/l		100
56) Ethyl methacrylate	10.871	69	184775	48.182	ug/l		100
57) 1,3-Dichloropropane	11.159	76	204590	51.606	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	409594	283.088	ug/l		100
59) 2-Hexanone	11.188	43	606740	277.643	ug/l		100
60) Dibromochloromethane	11.353	129	140704	51.116	ug/l		100
61) 1,2-Dibromoethane	11.465	107	113541	50.028	ug/l		100
64) Tetrachloroethene	11.100	164	95879	47.295	ug/l		100
65) Chlorobenzene	11.888	112	319992	49.121	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	116488	48.722	ug/l		100
67) Ethyl Benzene	11.959	91	555322	52.339	ug/l		100
68) m/p-Xylenes	12.065	106	420702	107.286	ug/l		100
69) o-Xylene	12.394	106	202597	54.062	ug/l		100
70) Styrene	12.406	104	348720	56.227	ug/l		100
71) Bromoform	12.576	173	92366	53.993	ug/l	#	100
73) Isopropylbenzene	12.688	105	505619	51.094	ug/l		100
74) N-amyl acetate	12.488	43	237870	53.478	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.935	83	167856	48.019	ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	219507	73.773	ug/l		45
77) Bromobenzene	12.976	156	125800	48.657	ug/l		100
78) n-propylbenzene	13.029	91	609022	51.986	ug/l		100
79) 2-Chlorotoluene	13.123	91	378981	49.985	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	431021	52.730	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	57184	51.914	ug/l		100
82) 4-Chlorotoluene	13.218	91	379524	50.273	ug/l		100
83) tert-Butylbenzene	13.435	119	357563	52.090	ug/l		100
84) 1,2,4-Trimethylbenzene	13.476	105	442175	54.275	ug/l		100
85) sec-Butylbenzene	13.612	105	501561	52.719	ug/l		100
86) p-Isopropyltoluene	13.723	119	421052	49.240	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	229518	48.204	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	229084	46.416	ug/l		100
89) n-Butylbenzene	14.053	91	364111	53.348	ug/l		100
90) Hexachloroethane	14.329	117	84602	46.712	ug/l		100
91) 1,2-Dichlorobenzene	14.100	146	228024	48.012	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	32536	50.971	ug/l		100
93) 1,2,4-Trichlorobenzene	15.388	180	114468	51.857	ug/l		100
94) Hexachlorobutadiene	15.500	225	53846	45.947	ug/l		100
95) Naphthalene	15.635	128	363882	55.243	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	115251	51.601	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085439.D
Acq On : 14 Jan 2025 15:19
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Quant Time: Jan 15 01:42:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

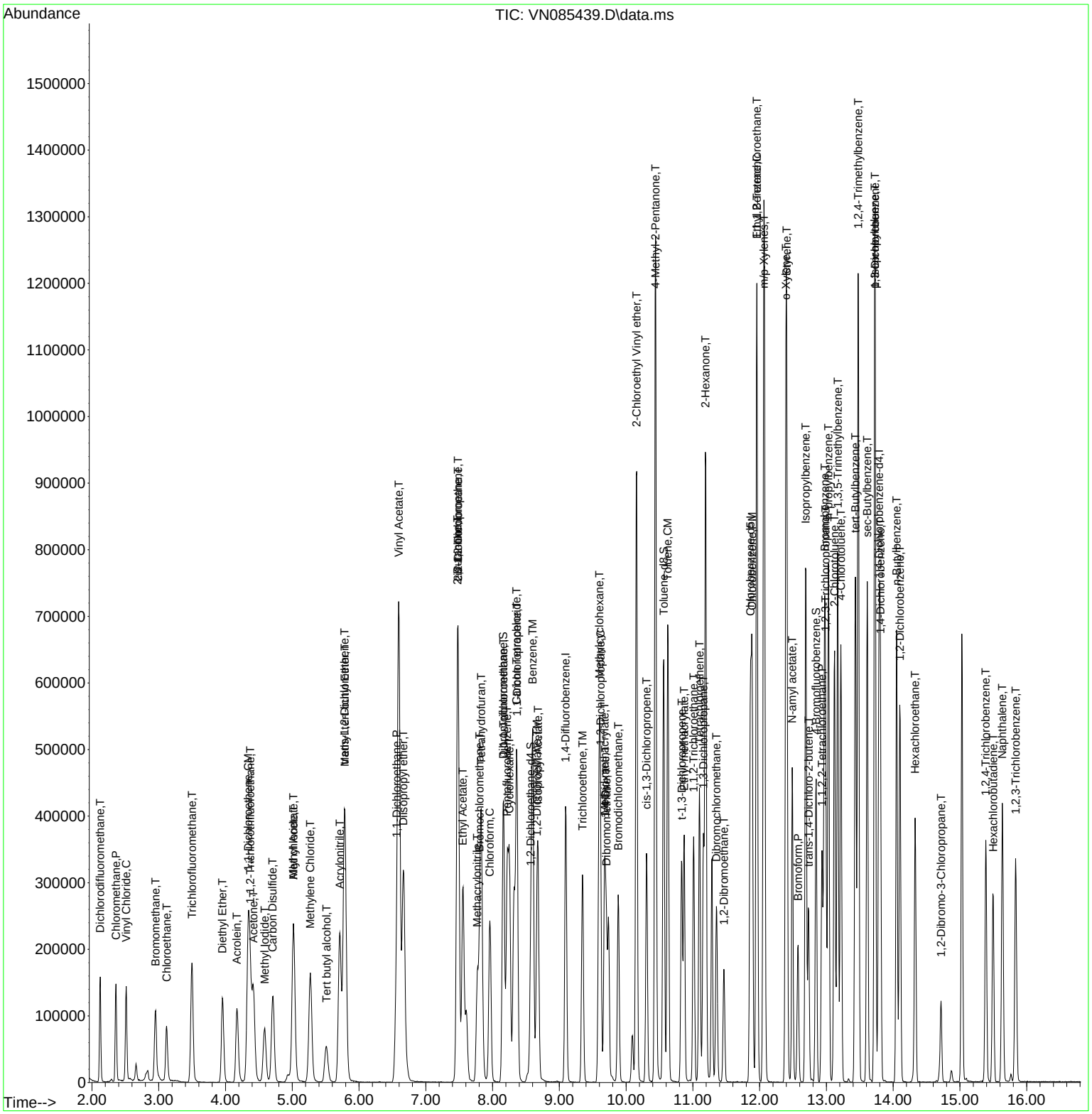
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

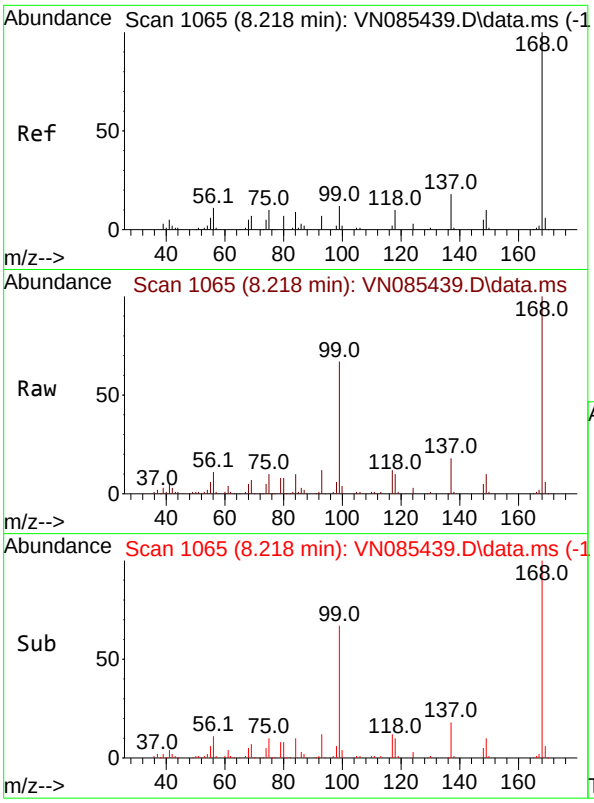
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085439.D
Acq On : 14 Jan 2025 15:19
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Quant Time: Jan 15 01:42:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration



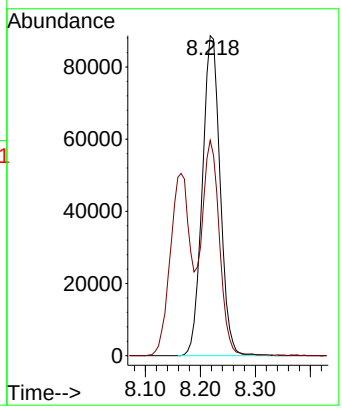


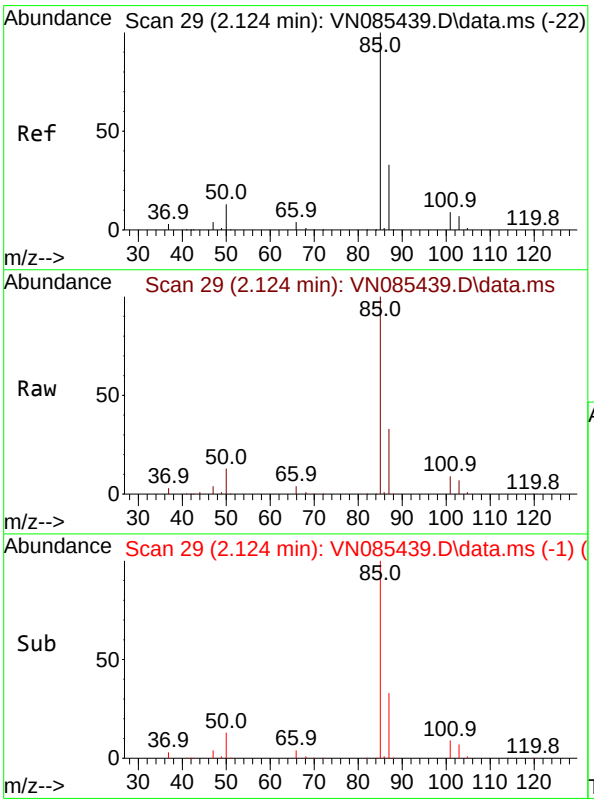
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 199403

Ion	Ratio	Lower	Upper
168	100		
99	67.0	53.6	80.4

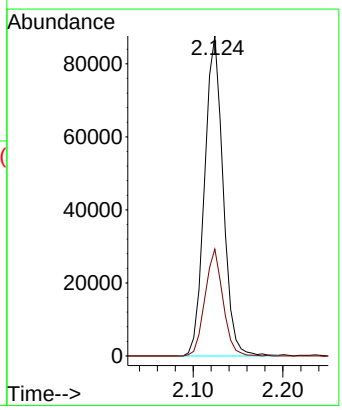


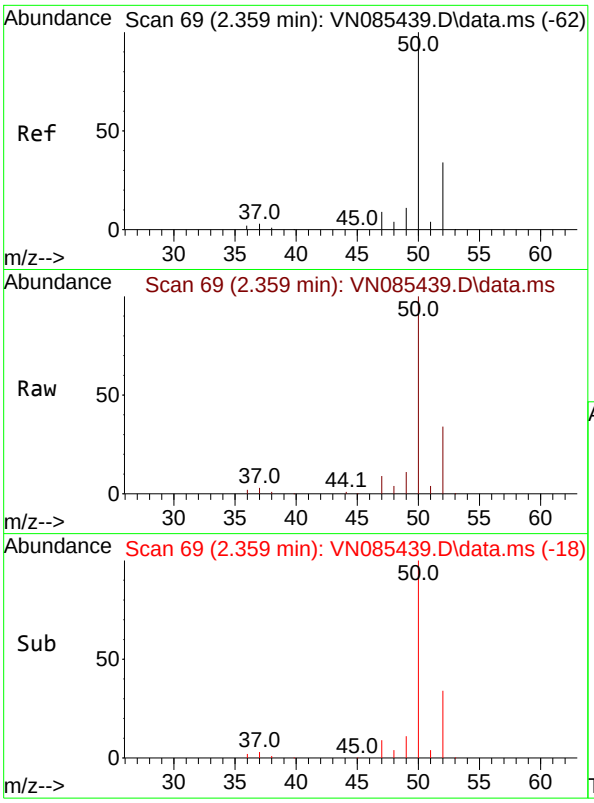


#2
Dichlorodifluoromethane
Concen: 46.486 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 85 Resp: 125504

Ion	Ratio	Lower	Upper
85	100		
87	33.4	16.7	50.1



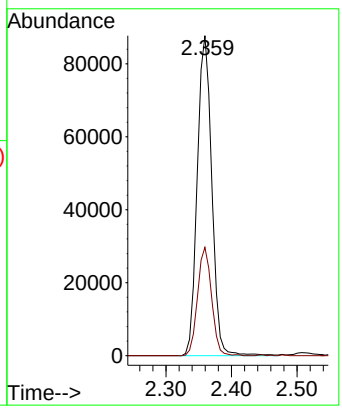


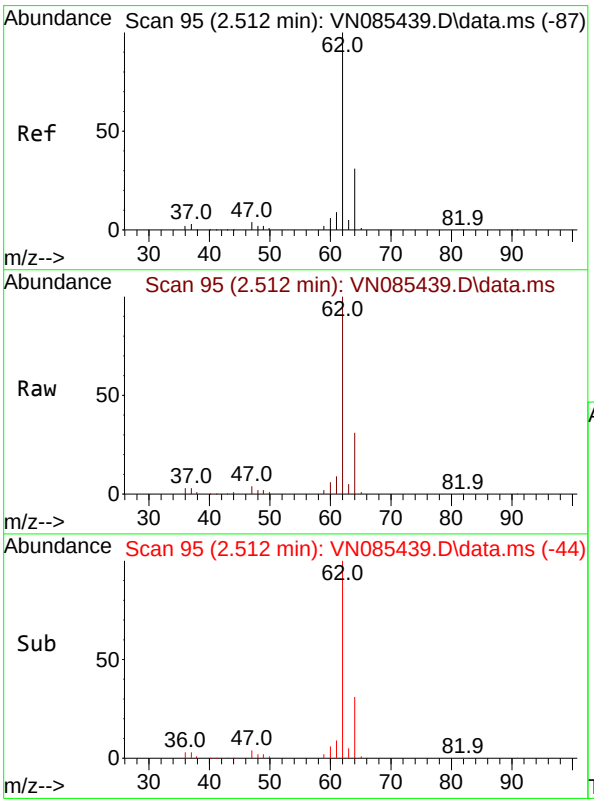
#3
Chloromethane
Concen: 46.398 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 135631

Ion	Ratio	Lower	Upper
50	100		
52	33.8	27.0	40.6

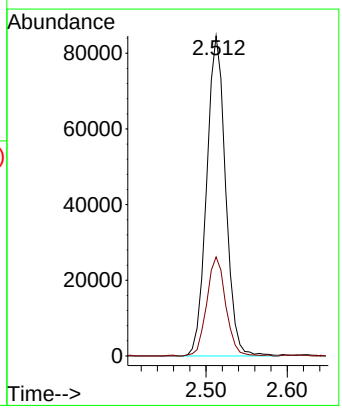


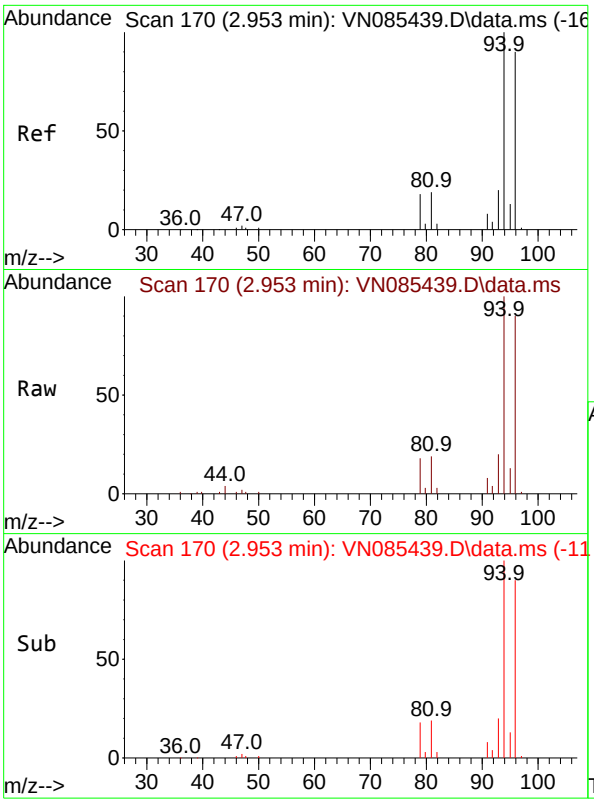


#4
Vinyl Chloride
Concen: 46.569 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 62 Resp: 136831

Ion	Ratio	Lower	Upper
62	100		
64	31.0	24.8	37.2



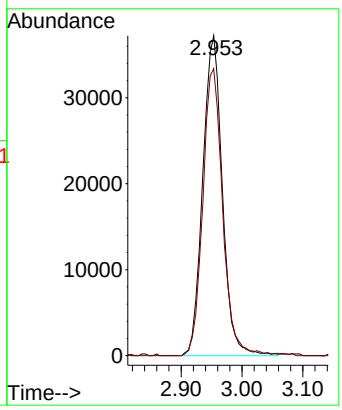


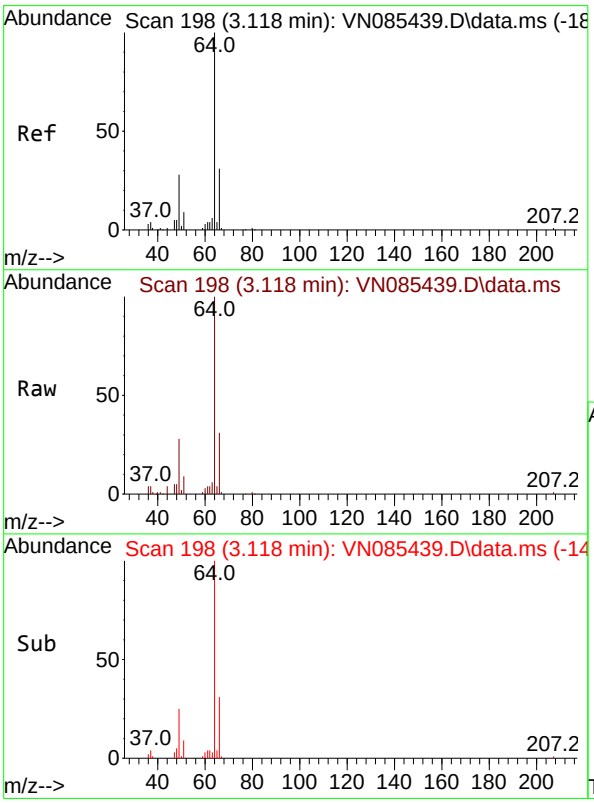
#5
Bromomethane
Concen: 46.877 ug/l
RT: 2.953 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 83199

Ion	Ratio	Lower	Upper
94	100		
96	89.7	71.8	107.6

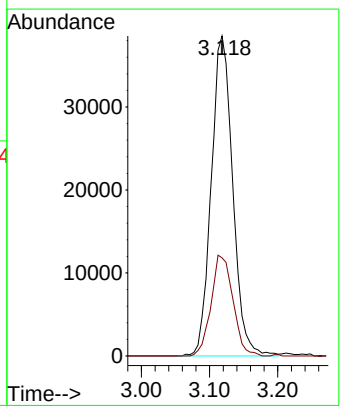


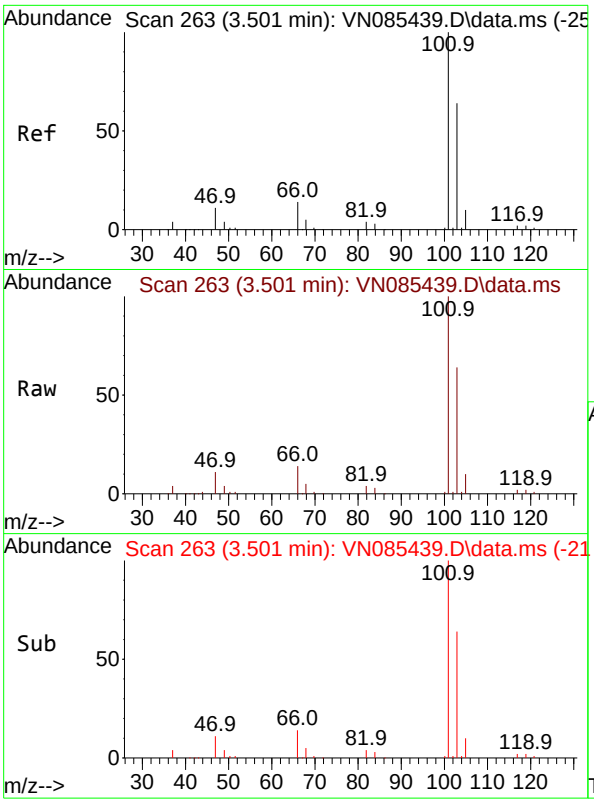


#6
Chloroethane
Concen: 45.371 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 64 Resp: 84517

Ion	Ratio	Lower	Upper
64	100		
66	30.7	24.6	36.8



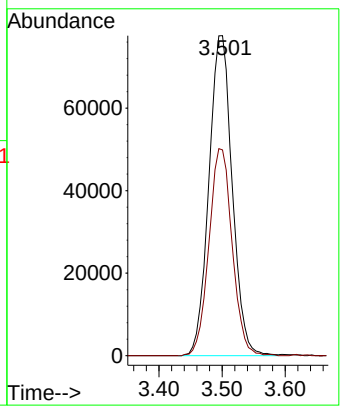


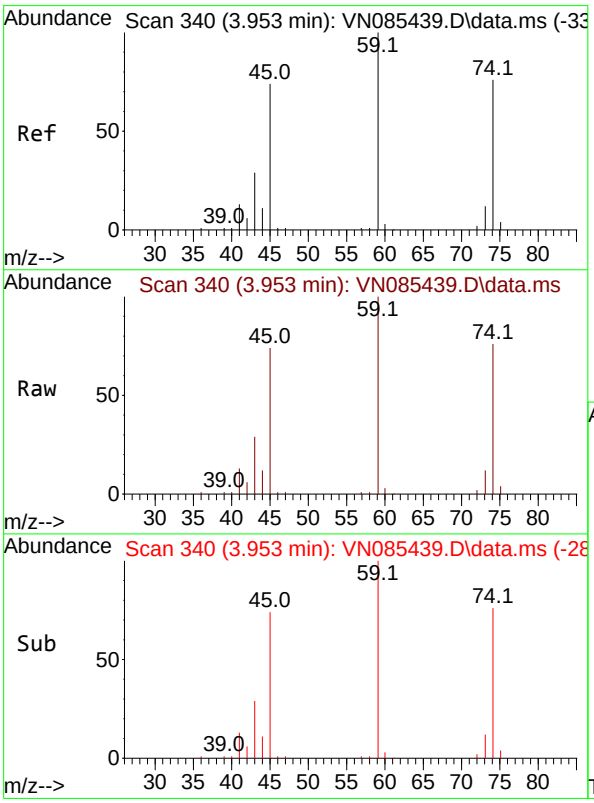
#7
Trichlorofluoromethane
Concen: 46.613 ug/l
RT: 3.501 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 198726

Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.4	77.2

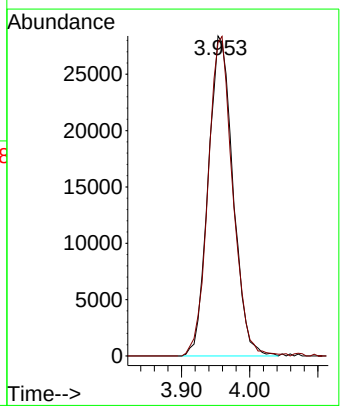


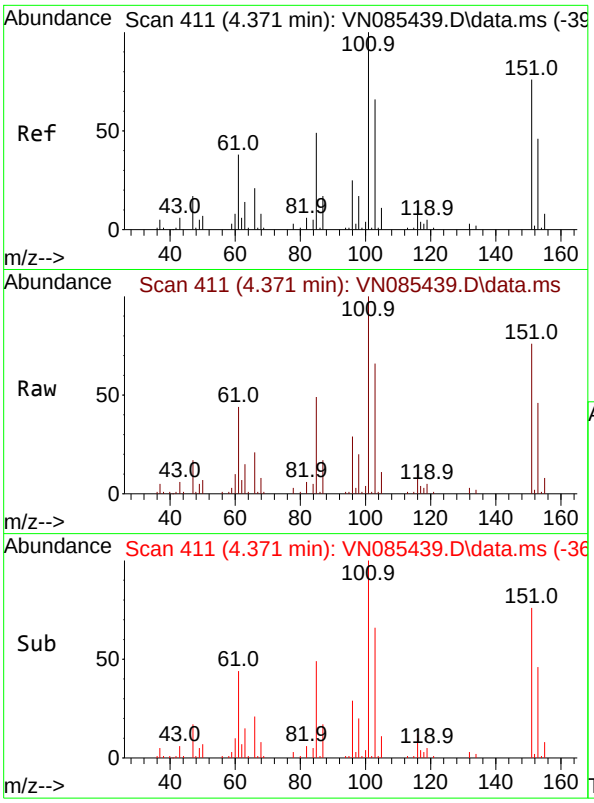


#8
Diethyl Ether
Concen: 48.726 ug/l
RT: 3.953 min Scan# 340
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 74 Resp: 71764

Ion	Ratio	Lower	Upper
74	100		
45	99.4	49.7	149.1



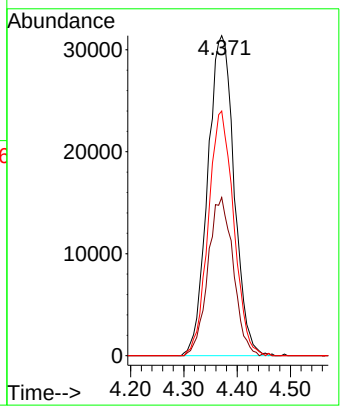


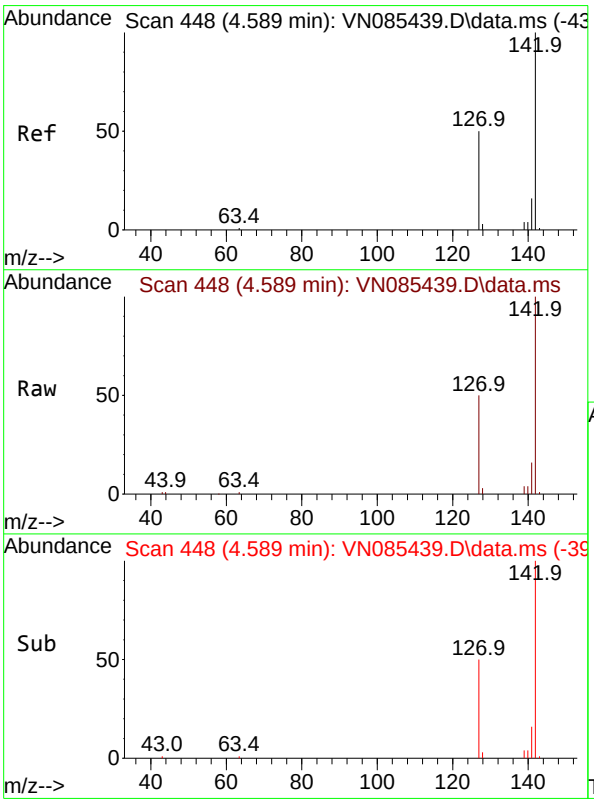
#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.010 ug/l
RT: 4.371 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 108081

Ion	Ratio	Lower	Upper
101	100		
85	47.3	37.8	56.8
151	73.5	58.8	88.2

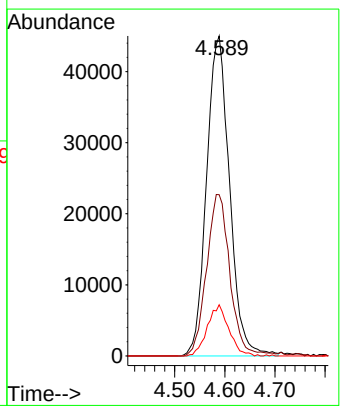


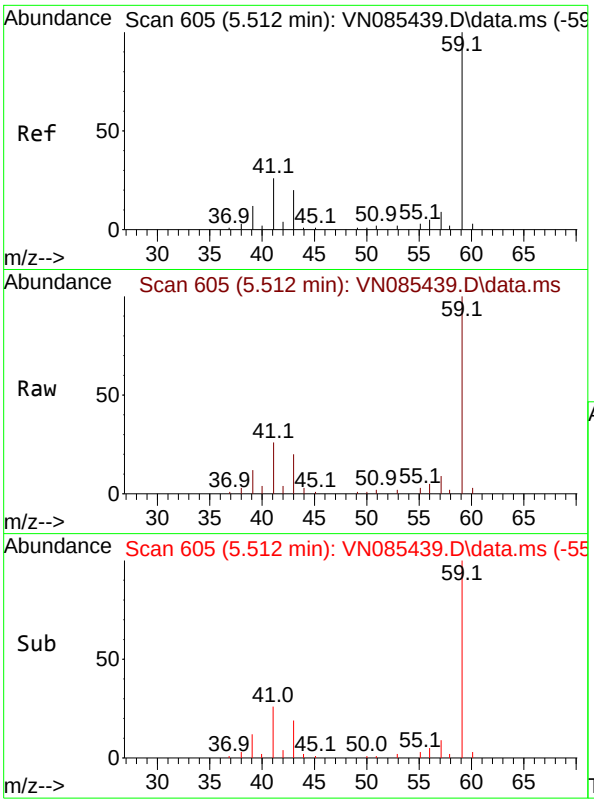


#10
Methyl Iodide
Concen: 52.142 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion:142 Resp: 143383

Ion	Ratio	Lower	Upper
142	100		
127	50.4	40.3	60.5
141	16.0	12.8	19.2



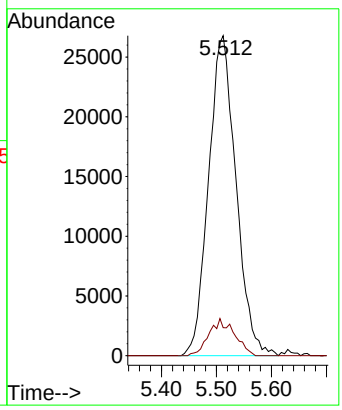


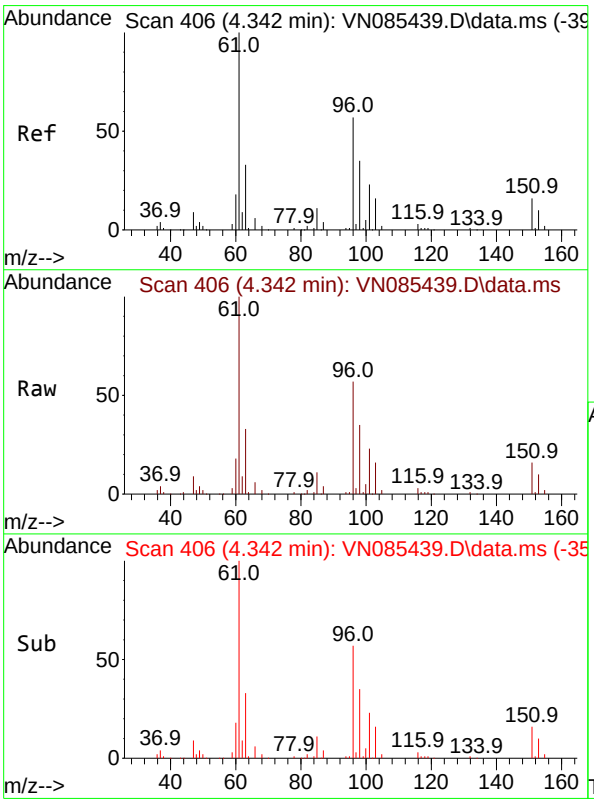
#11
Tert butyl alcohol
Concen: 251.894 ug/l
RT: 5.512 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 59 Resp: 92841

Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.6	13.0

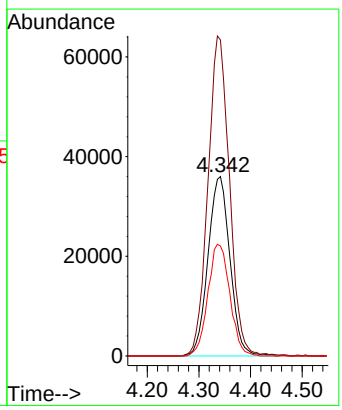


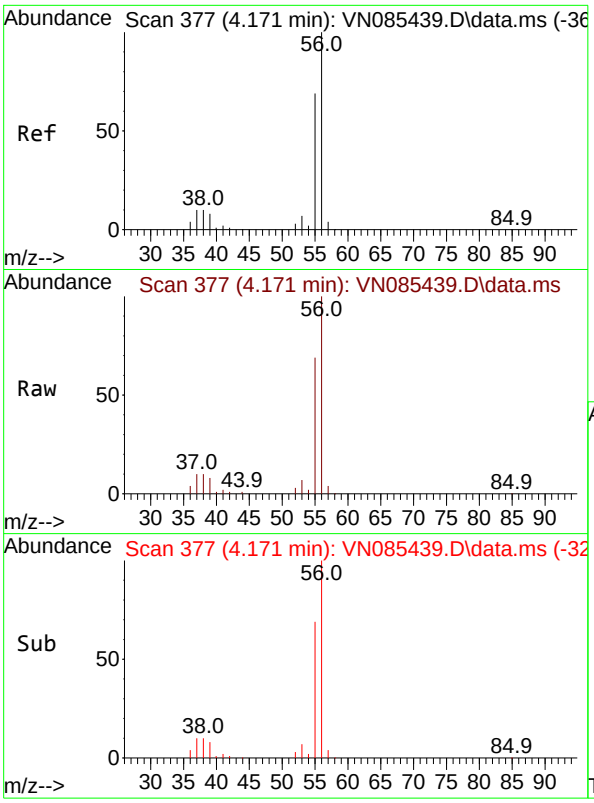


#12
1,1-Dichloroethene
Concen: 49.647 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 96 Resp: 106247

Ion	Ratio	Lower	Upper
96	100		
61	176.2	141.0	211.4
98	61.3	49.0	73.6



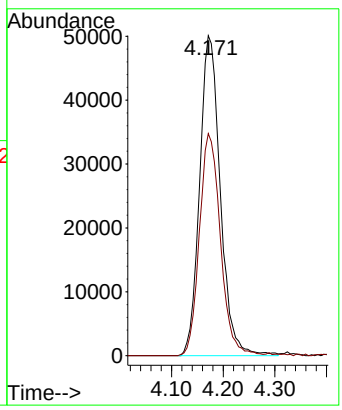


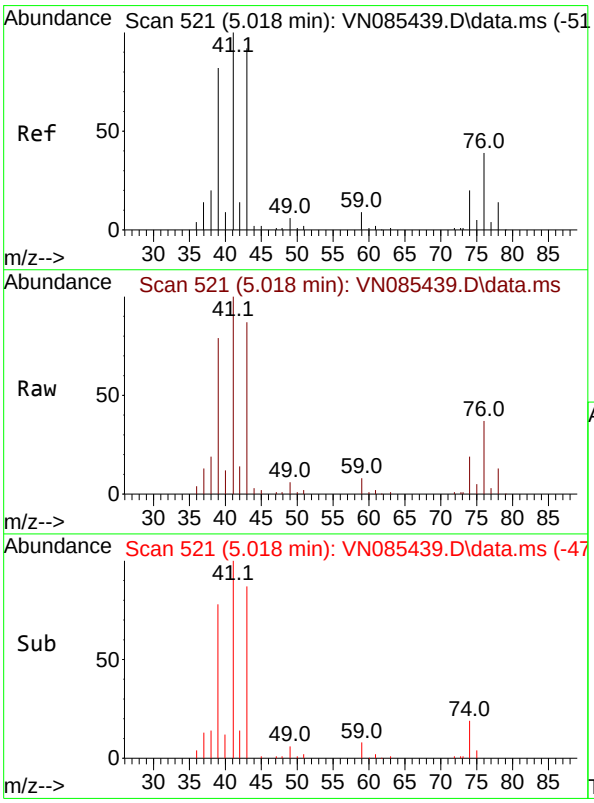
#13
Acrolein
Concen: 276.734 ug/l
RT: 4.171 min Scan# 3
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 139234

Ion	Ratio	Lower	Upper
56	100		
55	70.4	56.3	84.5

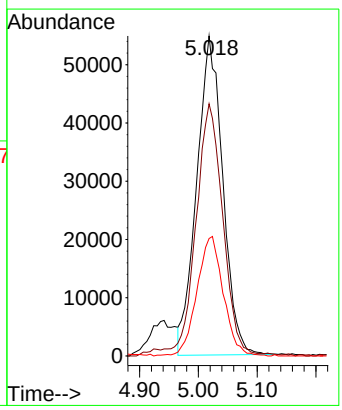


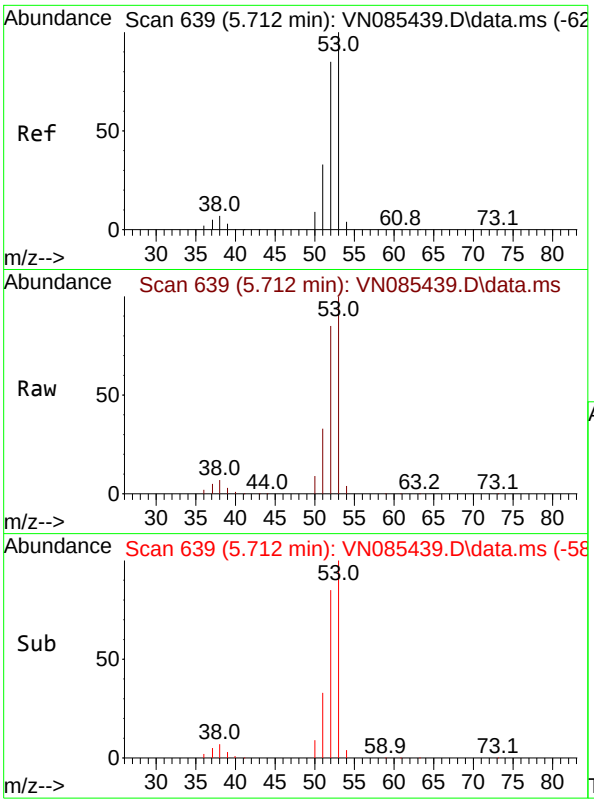


#14
Allyl chloride
Concen: 48.567 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 41 Resp: 168654

Ion	Ratio	Lower	Upper
41	100		
39	80.5	64.4	96.6
76	38.1	30.5	45.7



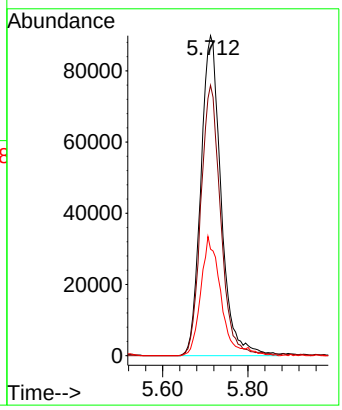


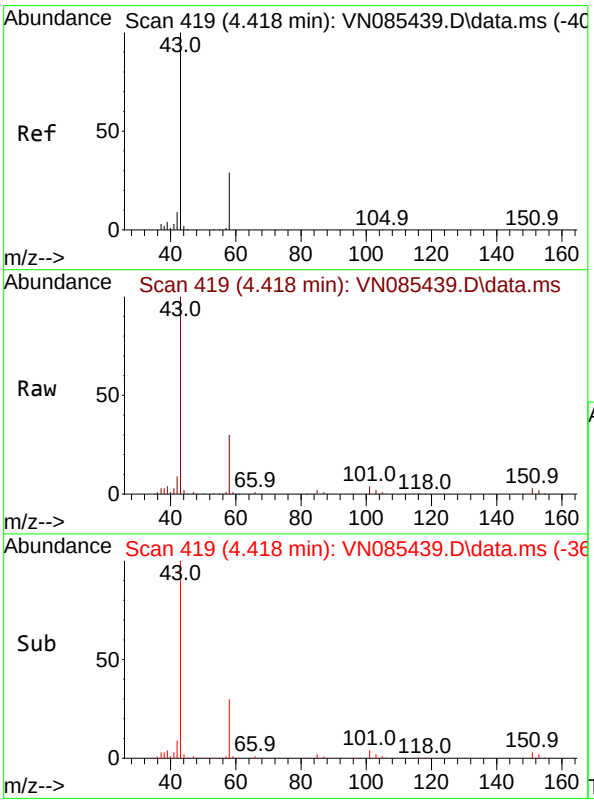
#15
Acrylonitrile
Concen: 253.507 ug/l
RT: 5.712 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 53 Resp: 296781

Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.5	98.3
51	37.3	29.8	44.8

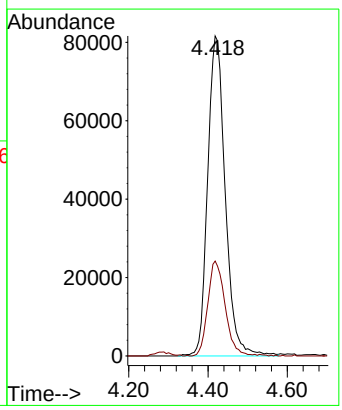


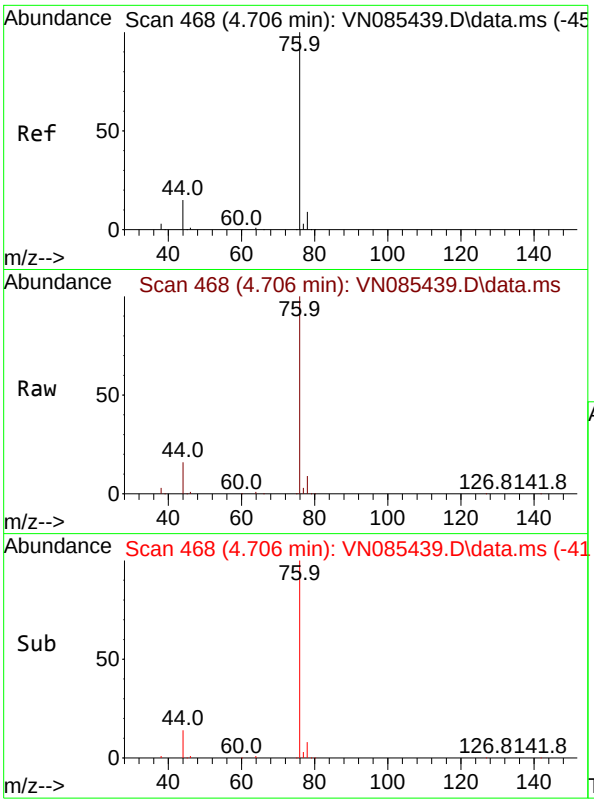


#16
Acetone
Concen: 241.603 ug/l
RT: 4.418 min Scan# 419
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 43 Resp: 251271

Ion	Ratio	Lower	Upper
43	100		
58	29.7	23.8	35.6



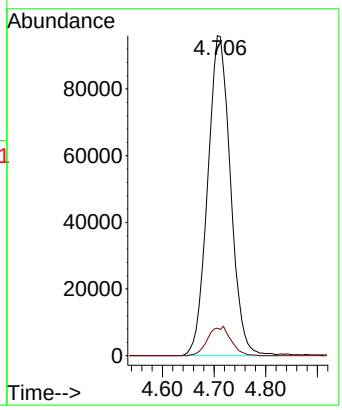


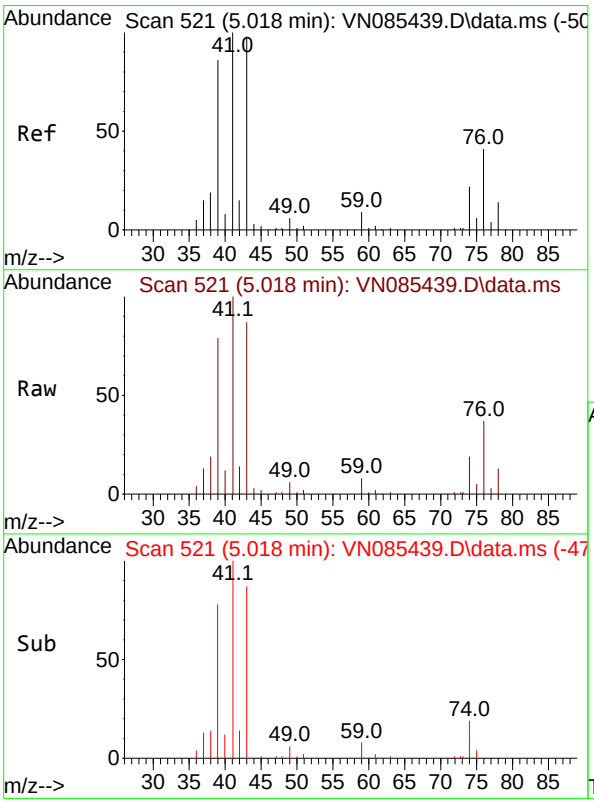
#17
Carbon Disulfide
Concen: 44.710 ug/l
RT: 4.706 min Scan# 4
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 294604

Ion	Ratio	Lower	Upper
76	100		
78	8.6	6.9	10.3

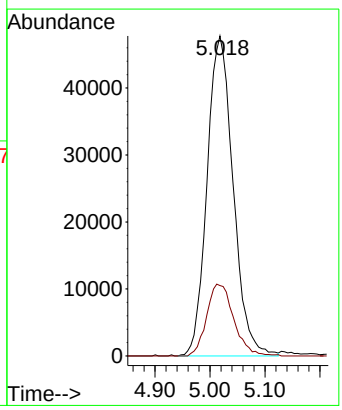


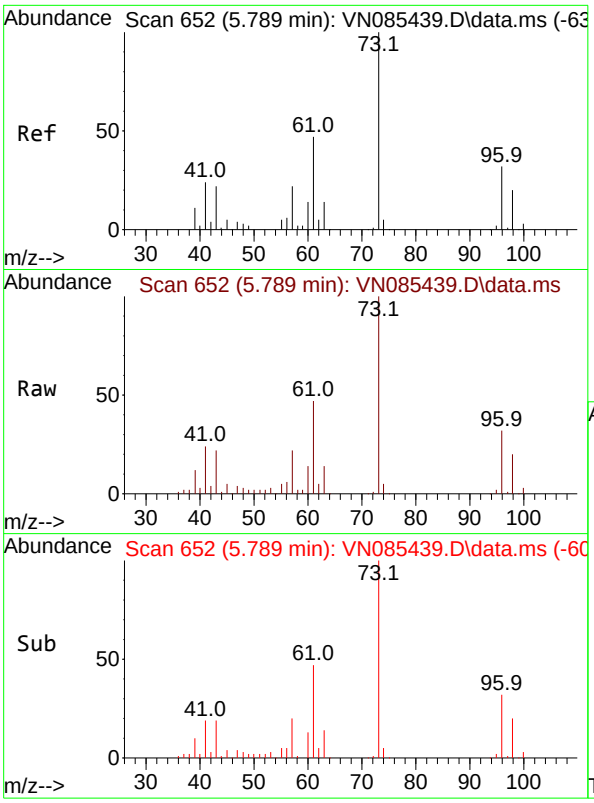


#18
Methyl Acetate
Concen: 49.798 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 43 Resp: 157485

Ion	Ratio	Lower	Upper
43	100		
74	23.3	18.6	28.0



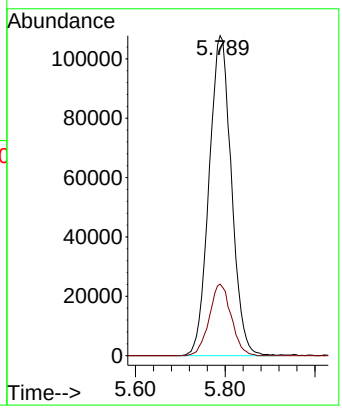


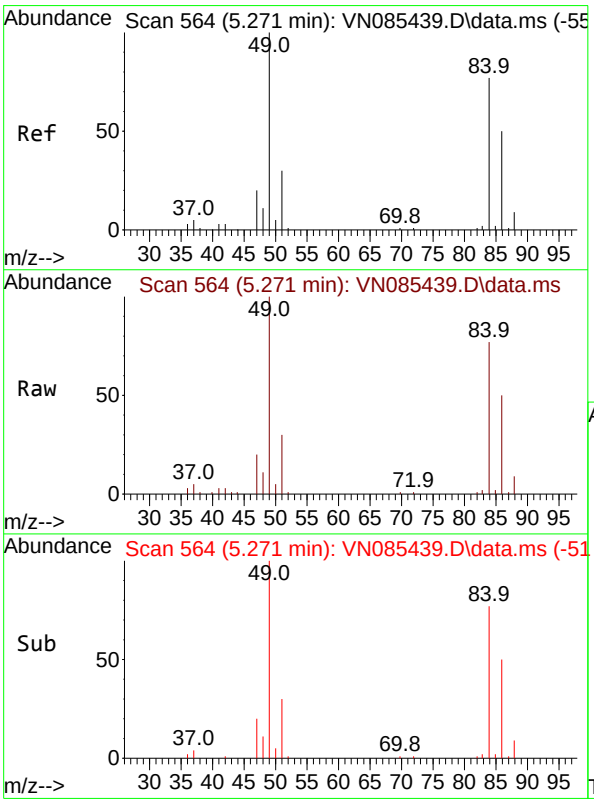
#19
Methyl tert-butyl Ether
Concen: 53.758 ug/l
RT: 5.789 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 373561

Ion	Ratio	Lower	Upper
73	100		
57	22.3	17.8	26.8

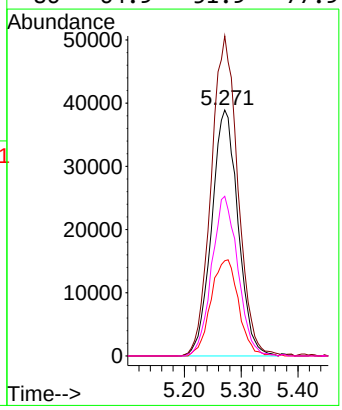


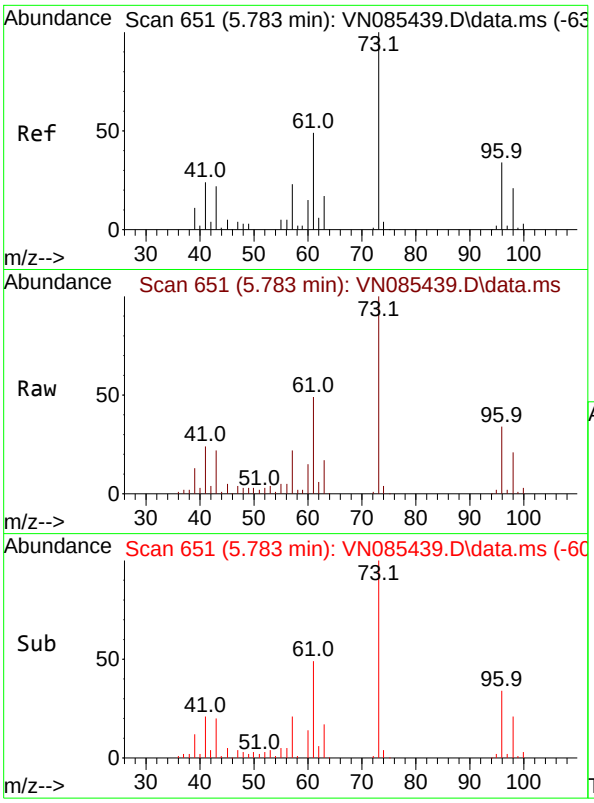


#20
Methylene Chloride
Concen: 48.748 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 84 Resp: 125508

Ion	Ratio	Lower	Upper
84	100		
49	130.1	104.1	156.1
51	38.7	31.0	46.4
86	64.9	51.9	77.9



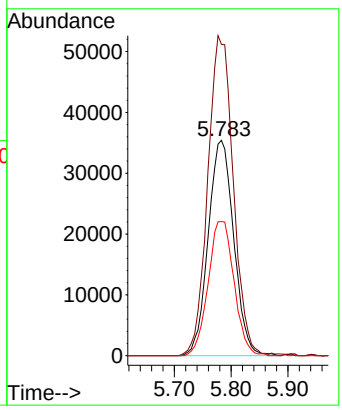


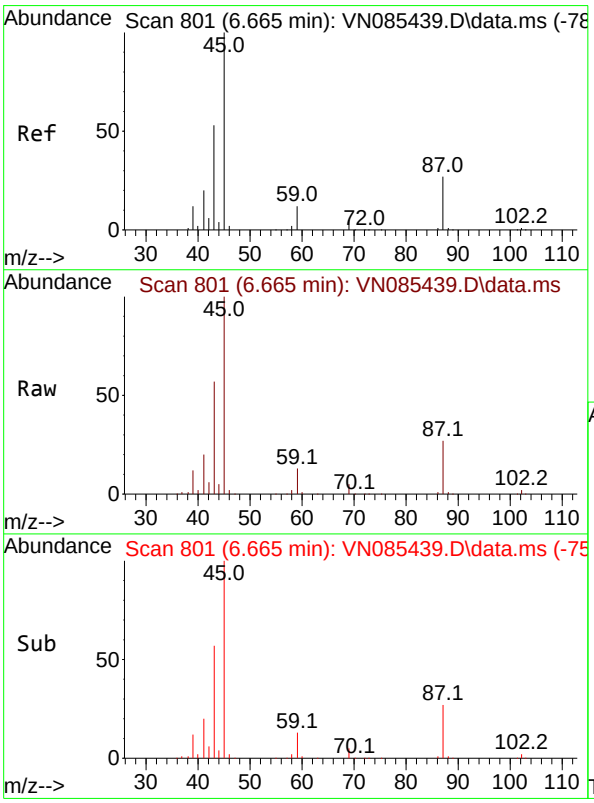
#21
trans-1,2-Dichloroethene
Concen: 48.395 ug/l
RT: 5.783 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 110684

Ion	Ratio	Lower	Upper
96	100		
61	144.6	115.7	173.5
98	62.3	49.8	74.8

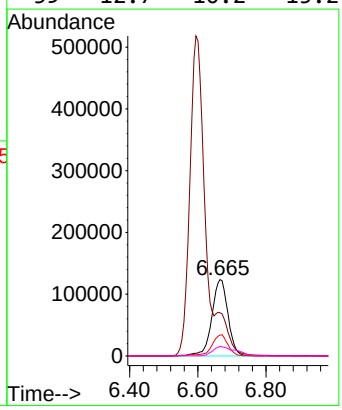


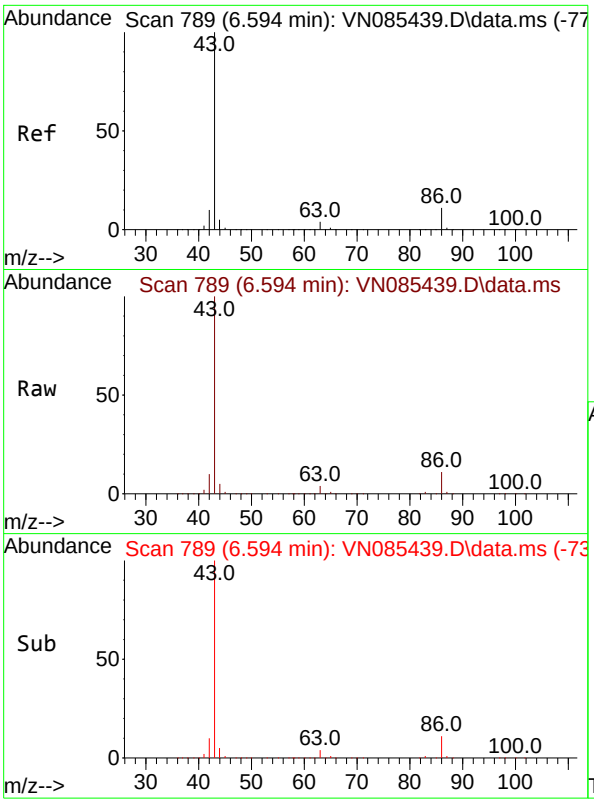


#22
Diisopropyl ether
Concen: 52.707 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 45 Resp: 406253

Ion	Ratio	Lower	Upper
45	100		
43	56.3	45.0	67.6
87	27.3	21.8	32.8
59	12.7	10.2	15.2



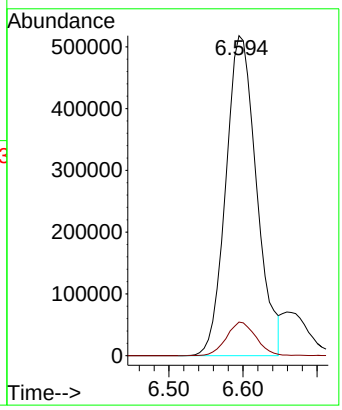


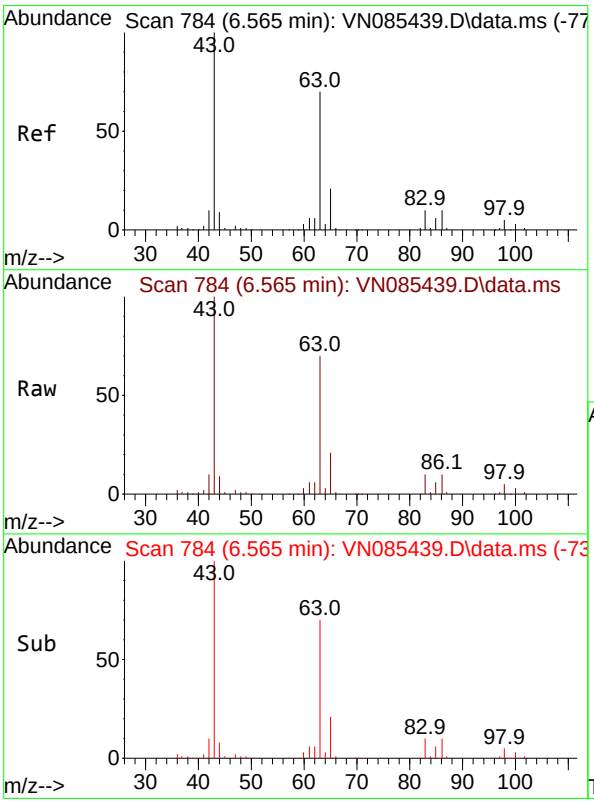
#23
Vinyl Acetate
Concen: 275.471 ug/l
RT: 6.594 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 1491031

Ion	Ratio	Lower	Upper
43	100		
86	10.5	8.4	12.6

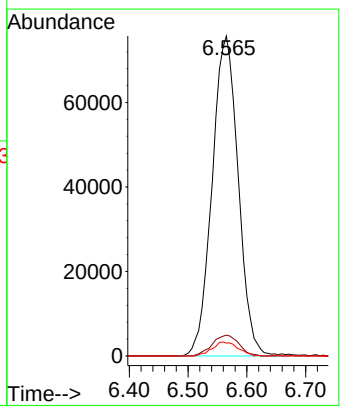


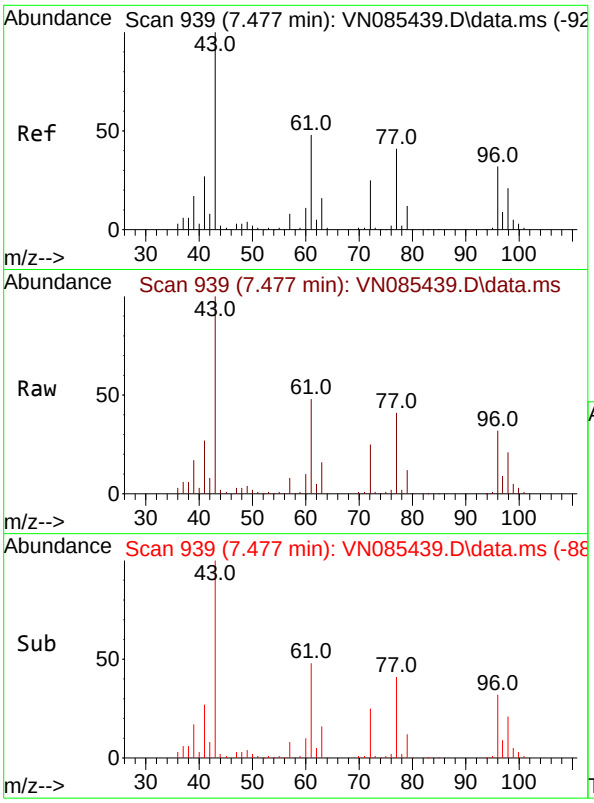


#24
1,1-Dichloroethane
Concen: 49.648 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 63 Resp: 233336

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.3	9.8
100	4.0	2.0	6.0



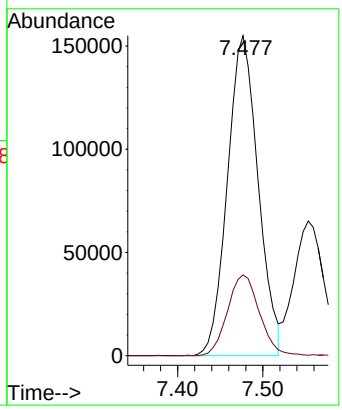


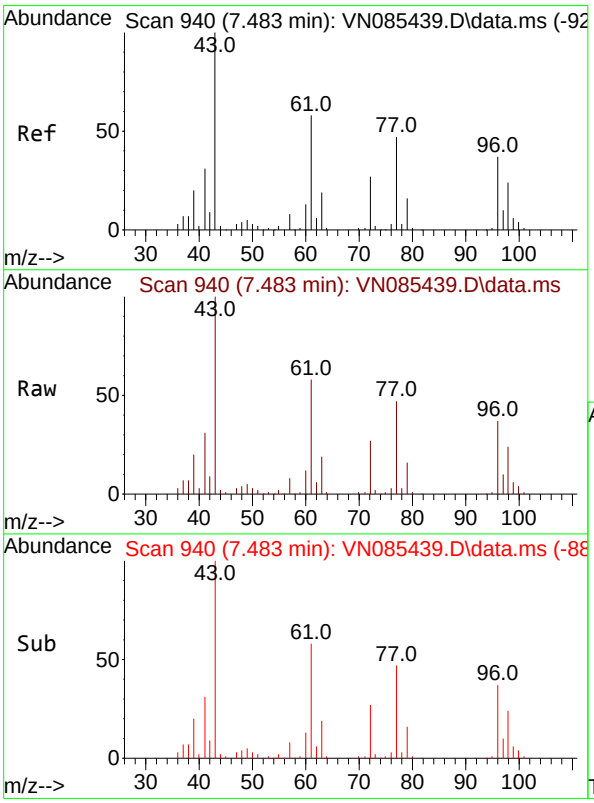
#25
2-Butanone
Concen: 253.815 ug/l
RT: 7.477 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 388457

Ion	Ratio	Lower	Upper
43	100		
72	25.3	20.2	30.4

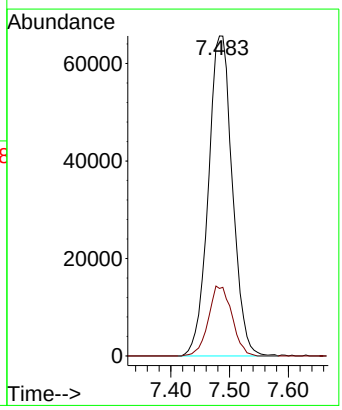


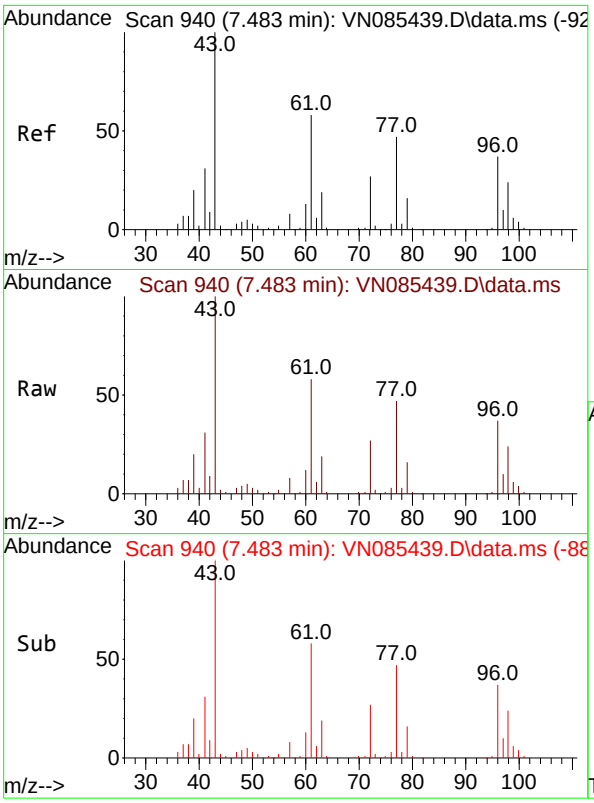


#26
2,2-Dichloropropane
Concen: 49.106 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 77 Resp: 186591

Ion	Ratio	Lower	Upper
77	100		
97	21.4	10.7	32.1



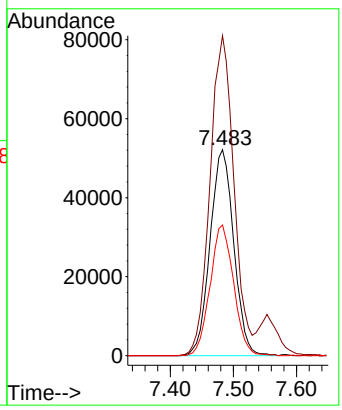


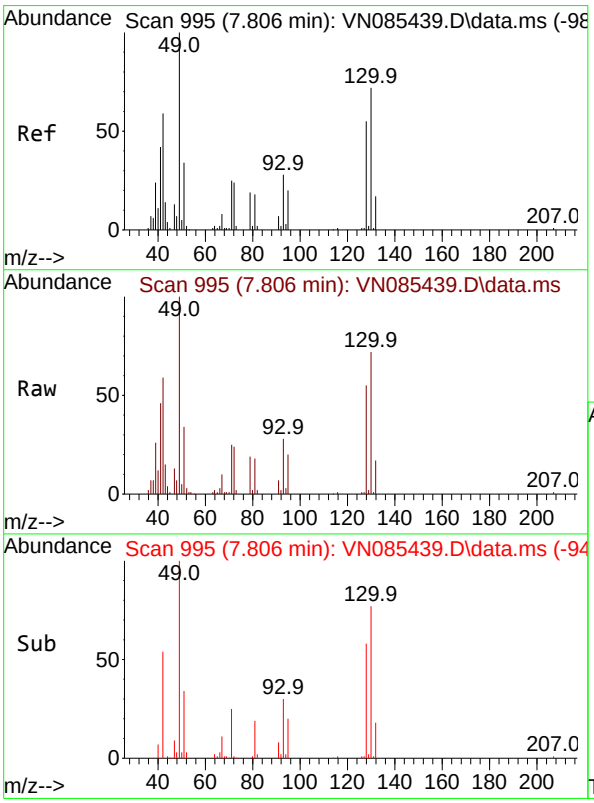
#27
cis-1,2-Dichloroethene
Concen: 50.571 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 136229

Ion	Ratio	Lower	Upper
96	100		
61	155.9	0.0	311.8
98	63.0	0.0	126.0

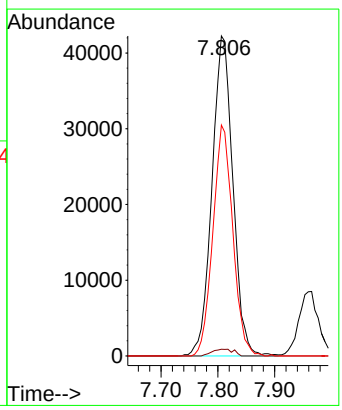


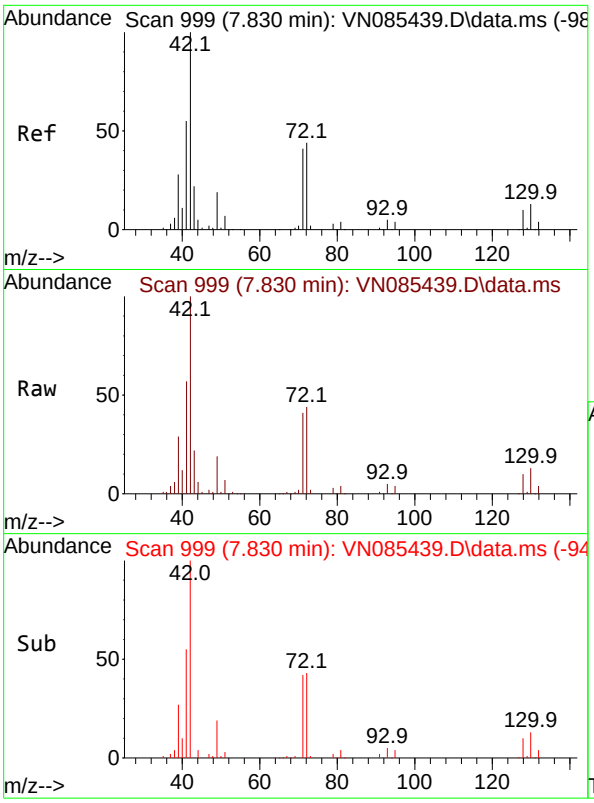


#28
Bromochloromethane
Concen: 49.461 ug/l
RT: 7.806 min Scan# 995
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 49 Resp: 108148

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	68.7	55.0	82.4



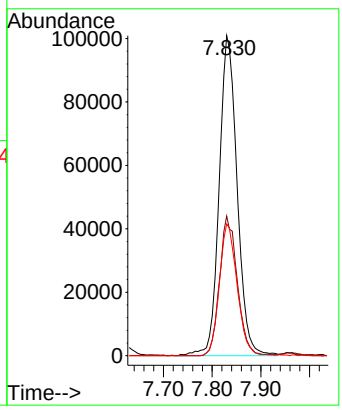


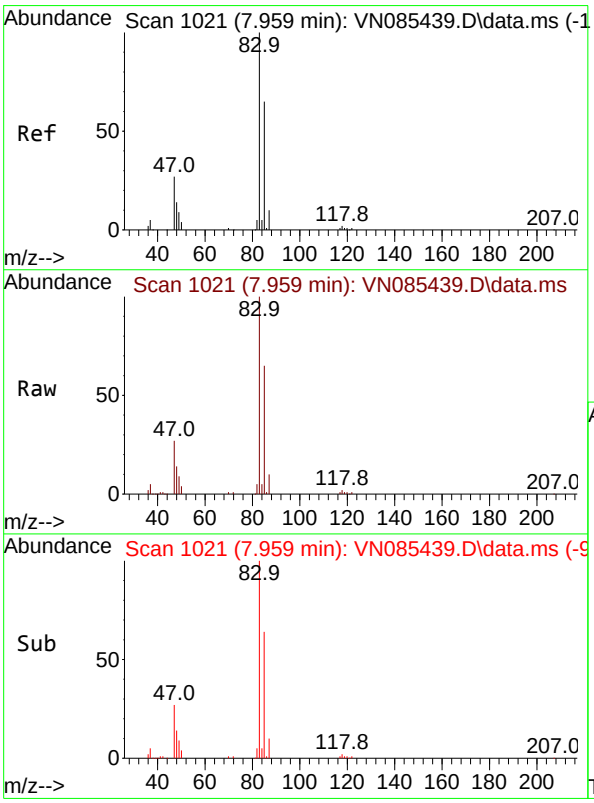
#29
Tetrahydrofuran
Concen: 267.624 ug/l
RT: 7.830 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 42 Resp: 259683

Ion	Ratio	Lower	Upper
42	100		
72	42.7	34.2	51.2
71	40.6	32.5	48.7

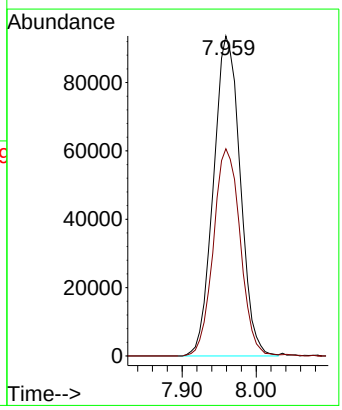


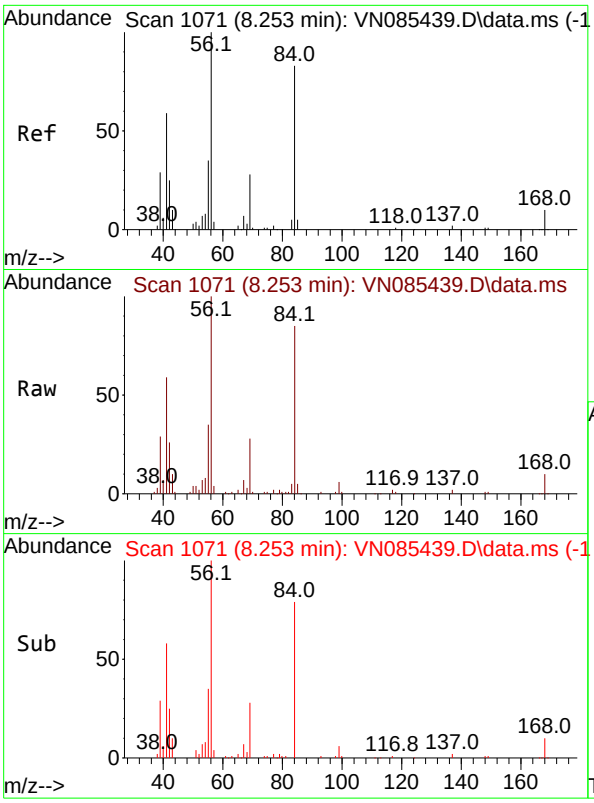


#30
Chloroform
Concen: 48.229 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 83 Resp: 234271

Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.6



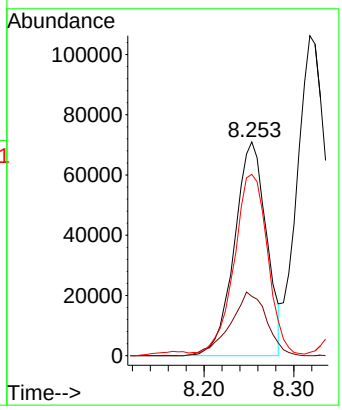


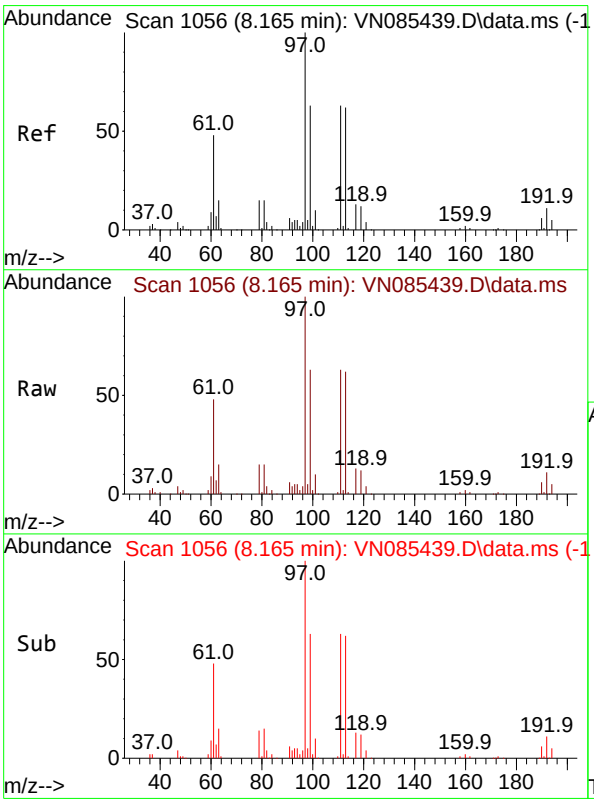
#31
Cyclohexane
Concen: 42.984 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 175588

Ion	Ratio	Lower	Upper
56	100		
69	27.8	22.2	33.4
84	83.0	66.4	99.6

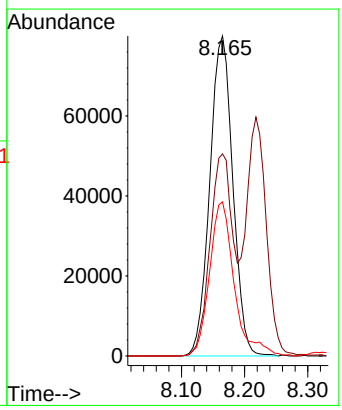


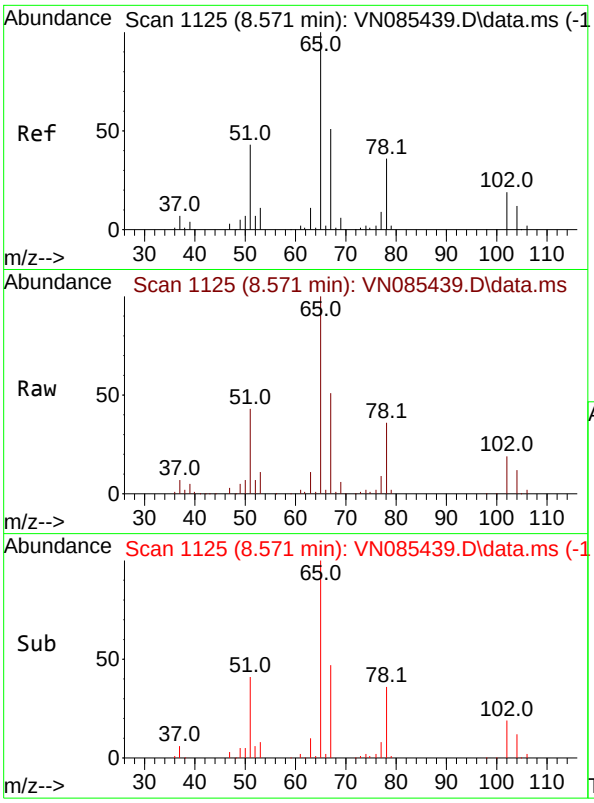


#32
1,1,1-Trichloroethane
Concen: 47.547 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 97 Resp: 202590

Ion	Ratio	Lower	Upper
97	100		
99	62.2	49.8	74.6
61	51.8	41.4	62.2



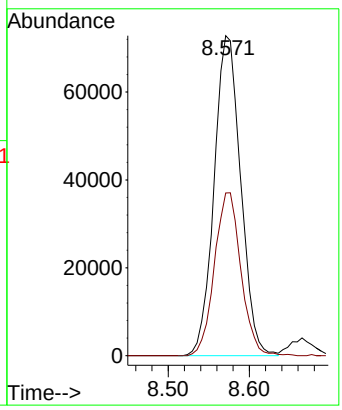


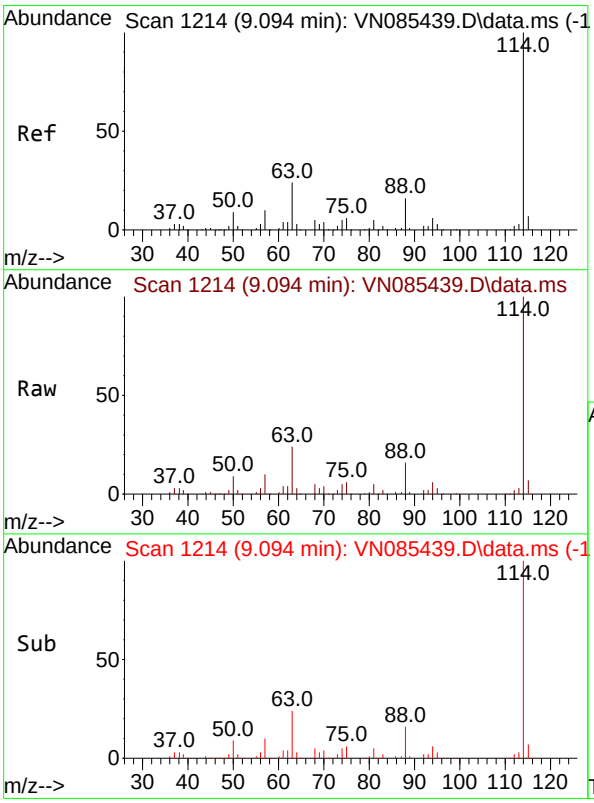
#33
1,2-Dichloroethane-d4
Concen: 51.500 ug/l
RT: 8.571 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 65 Resp: 165768

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	101.6

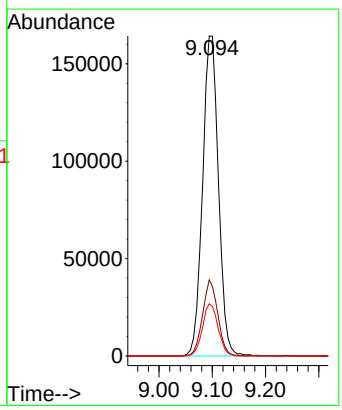


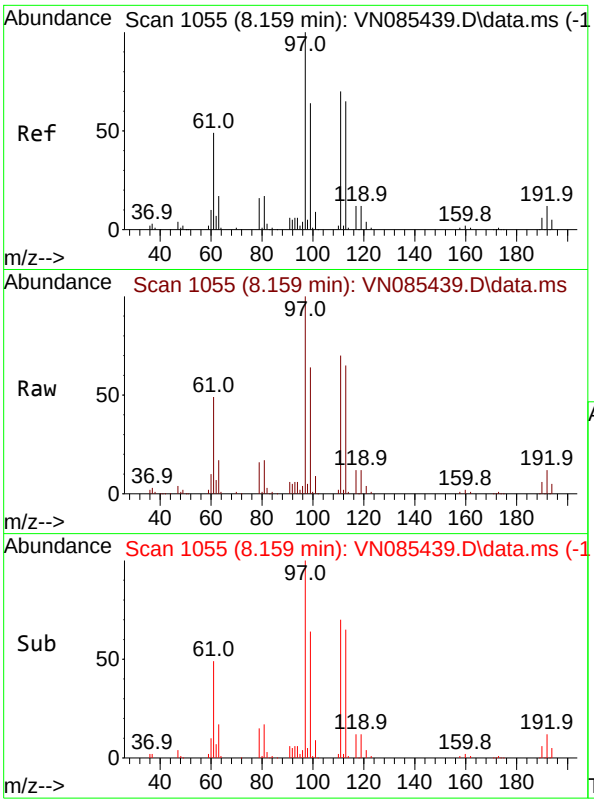


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion:114 Resp: 339872

Ion	Ratio	Lower	Upper
114	100		
63	23.8	0.0	47.6
88	16.3	0.0	32.6



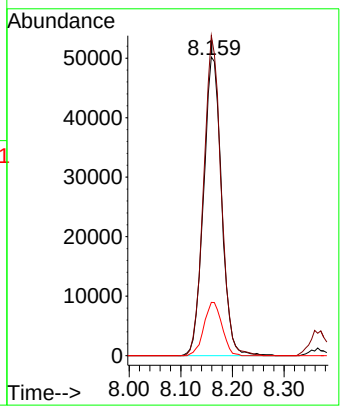


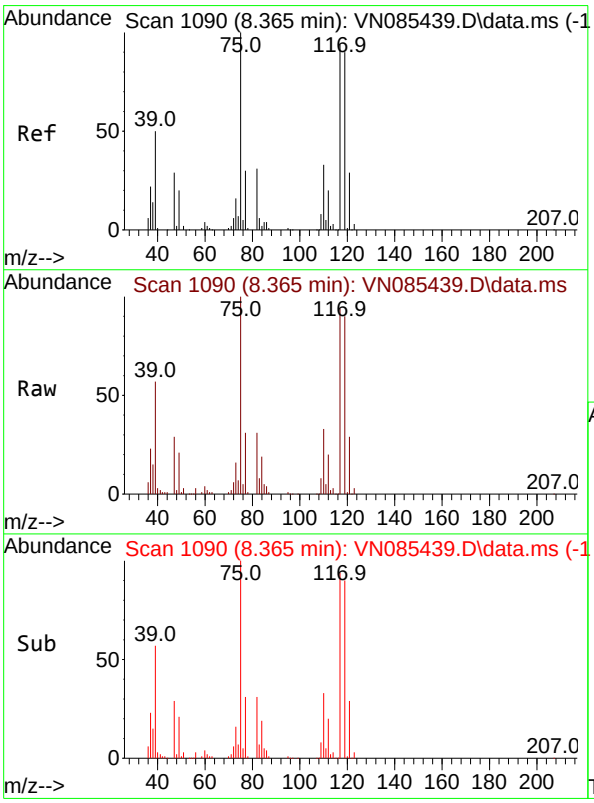
#35
Dibromofluoromethane
Concen: 51.552 ug/l
RT: 8.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:113 Resp: 121554

Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.7	124.1
192	17.9	14.3	21.5

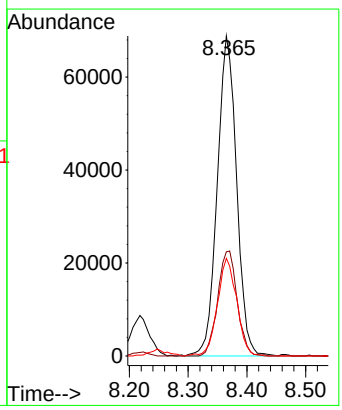


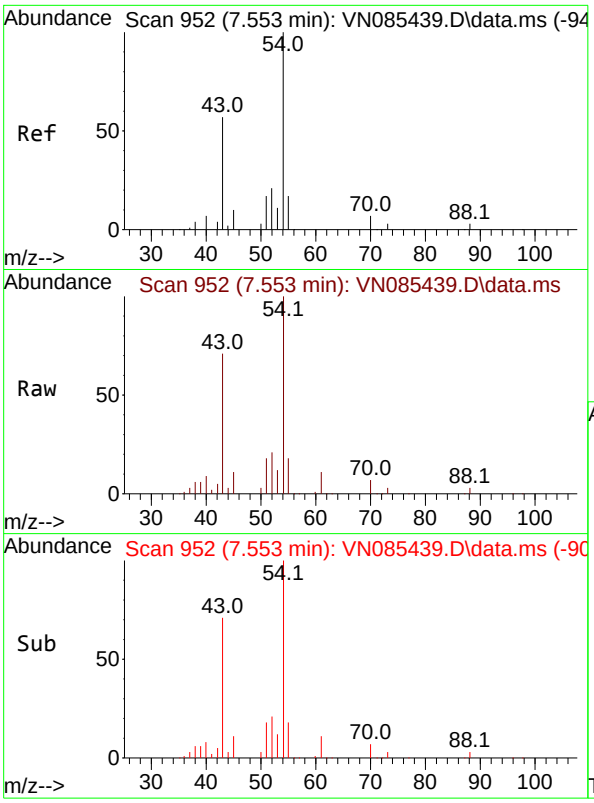


#36
1,1-Dichloropropene
Concen: 47.453 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 75 Resp: 157031

Ion	Ratio	Lower	Upper
75	100		
110	33.0	16.5	49.5
77	30.5	24.4	36.6



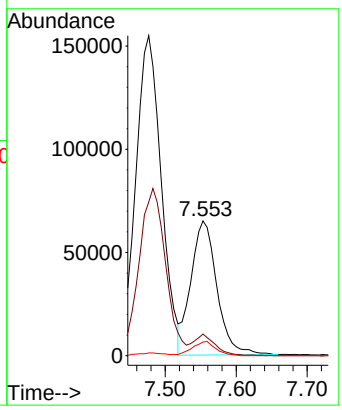


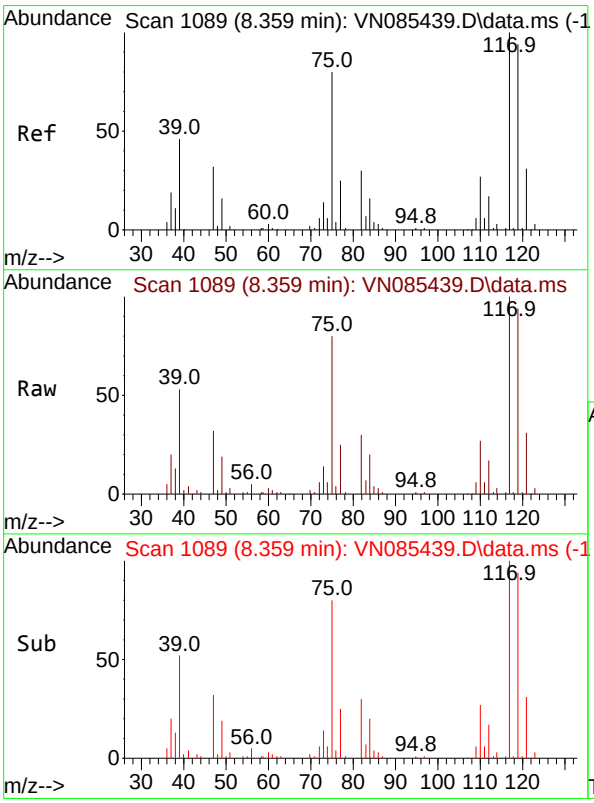
#37
Ethyl Acetate
Concen: 49.658 ug/l
RT: 7.553 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 165866

Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.9	16.3
70	9.4	7.5	11.3

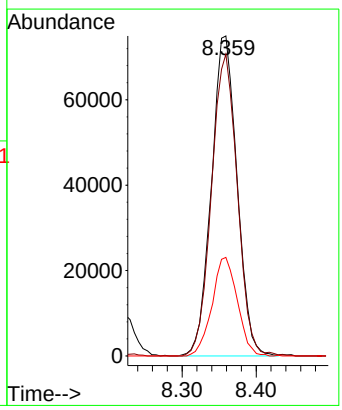


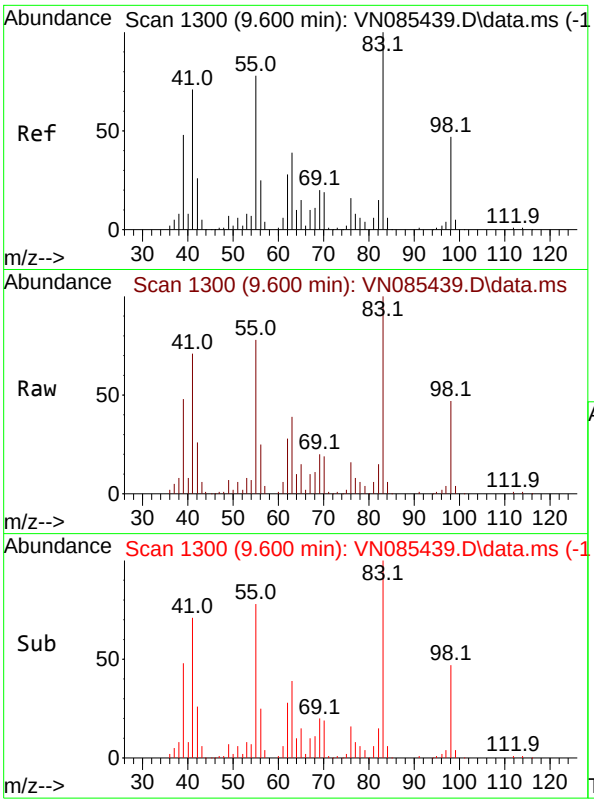


#38
Carbon Tetrachloride
Concen: 47.564 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion:117 Resp: 180199

Ion	Ratio	Lower	Upper
117	100		
119	94.3	75.4	113.2
121	30.8	24.6	37.0



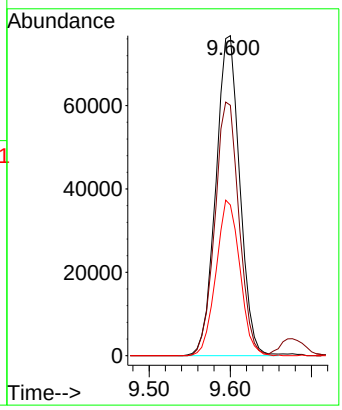


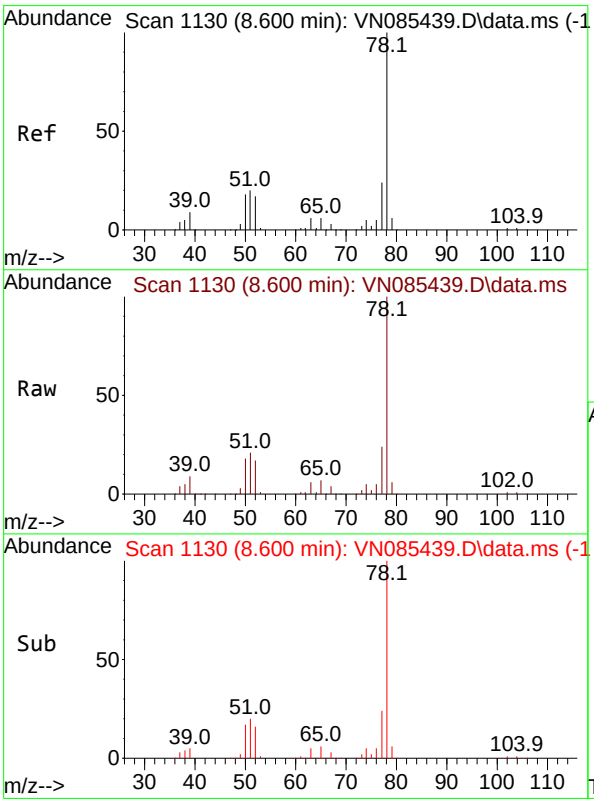
#39
Methylcyclohexane
Concen: 50.562 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 157234

Ion	Ratio	Lower	Upper
83	100		
55	78.3	62.6	94.0
98	47.1	37.7	56.5

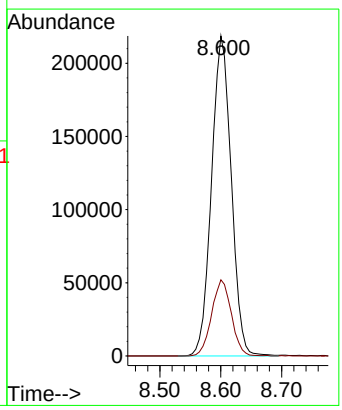


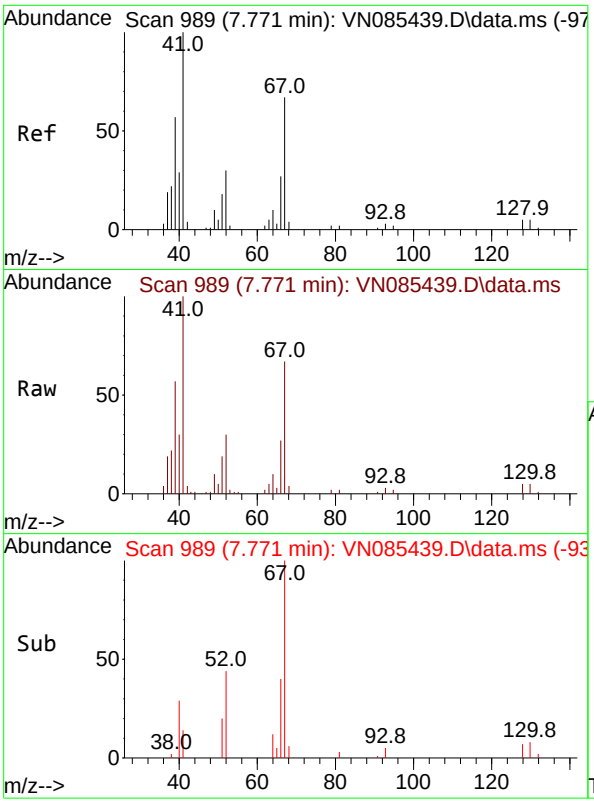


#40
Benzene
Concen: 49.542 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 78 Resp: 492606

Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.6



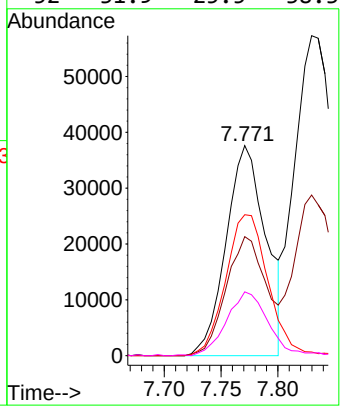


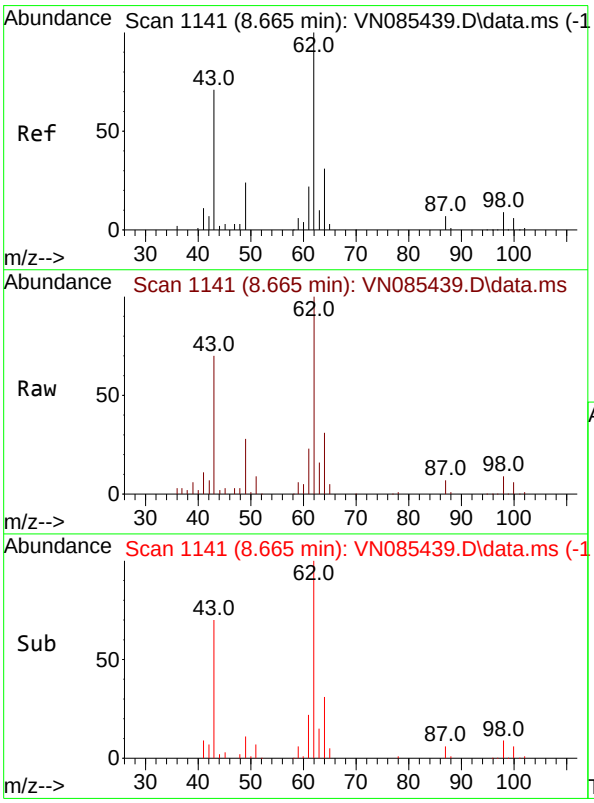
#41
Methacrylonitrile
Concen: 52.775 ug/l
RT: 7.771 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 91711

Ion	Ratio	Lower	Upper
41	100		
39	57.5	46.0	69.0
67	71.8	57.4	86.2
52	31.9	25.5	38.3

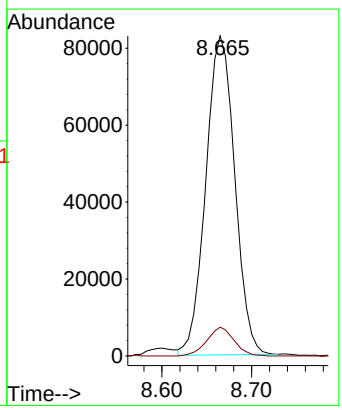


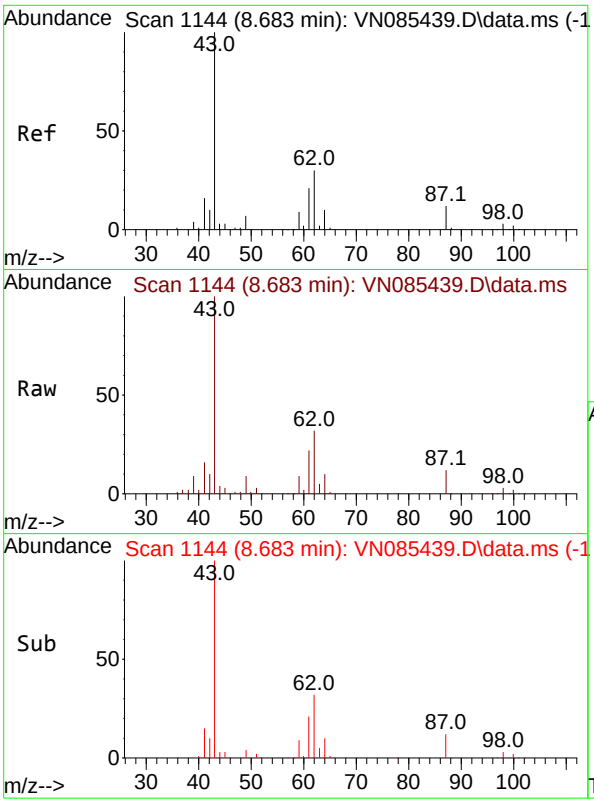


#42
1,2-Dichloroethane
Concen: 49.685 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 62 Resp: 186065

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.0



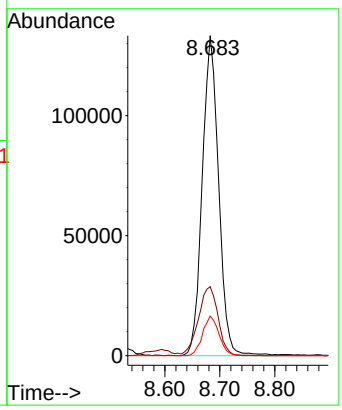


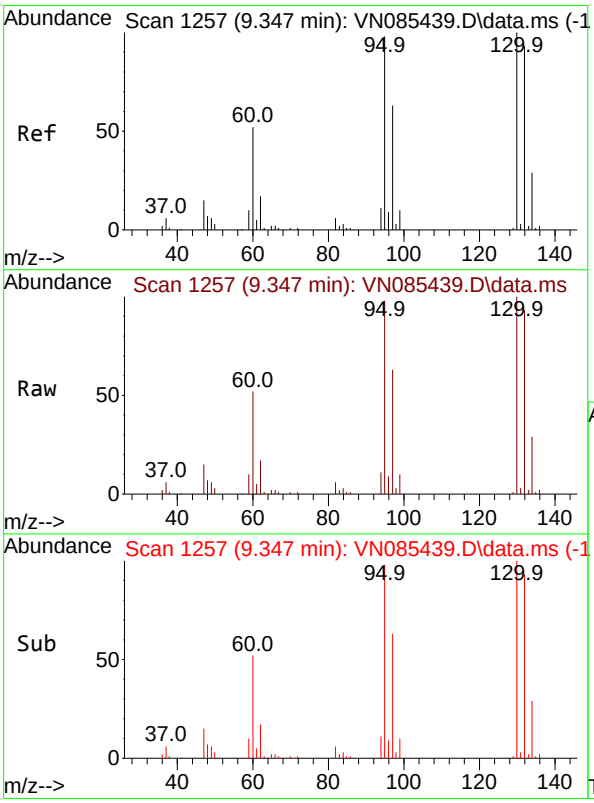
#43
Isopropyl Acetate
Concen: 51.611 ug/l
RT: 8.683 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 276228

Ion	Ratio	Lower	Upper
43	100		
61	25.9	20.7	31.1
87	12.3	9.8	14.8

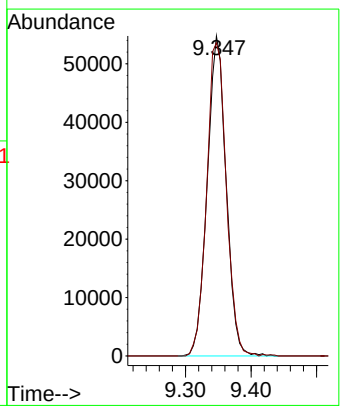


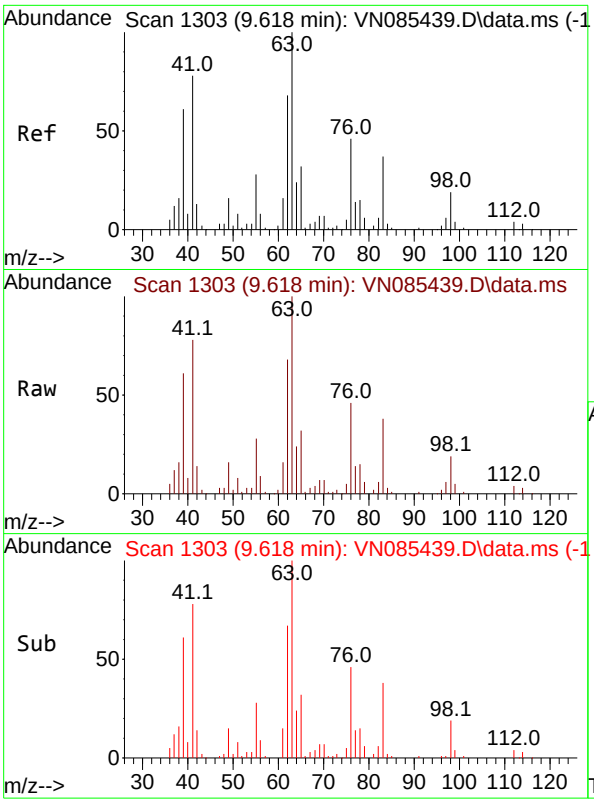


#44
Trichloroethene
Concen: 47.506 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion:130 Resp: 109953

Ion	Ratio	Lower	Upper
130	100		
95	97.9	0.0	195.8



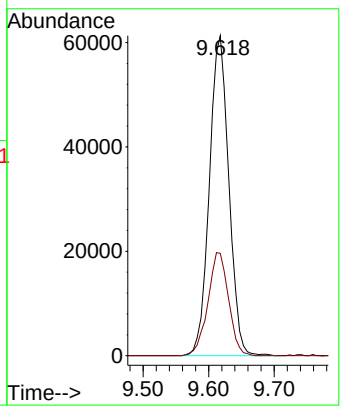


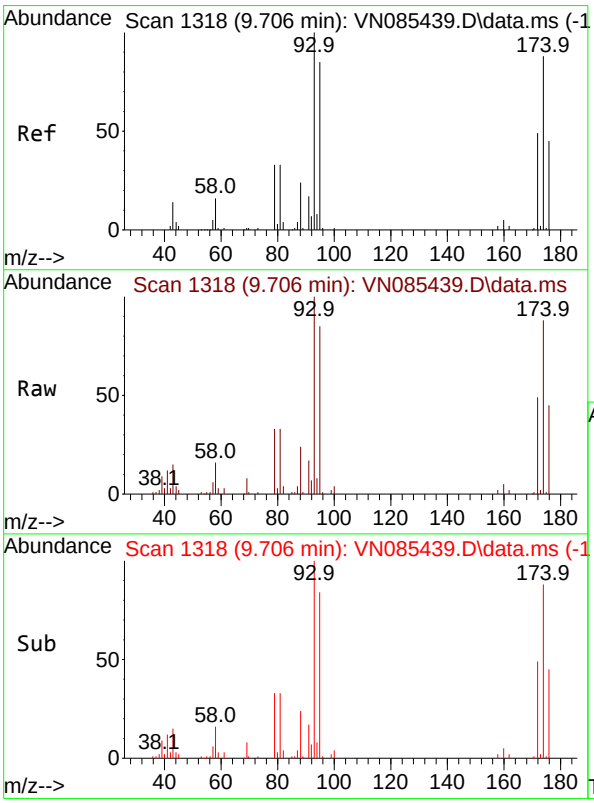
#45
1,2-Dichloropropane
Concen: 49.644 ug/l
RT: 9.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 63 Resp: 126084

Ion	Ratio	Lower	Upper
63	100		
65	32.0	25.6	38.4

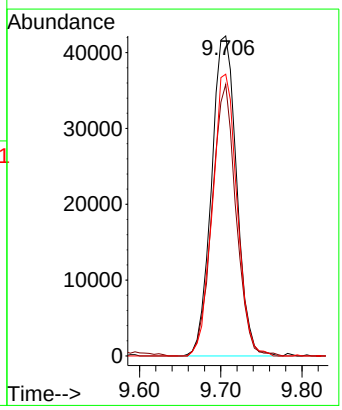


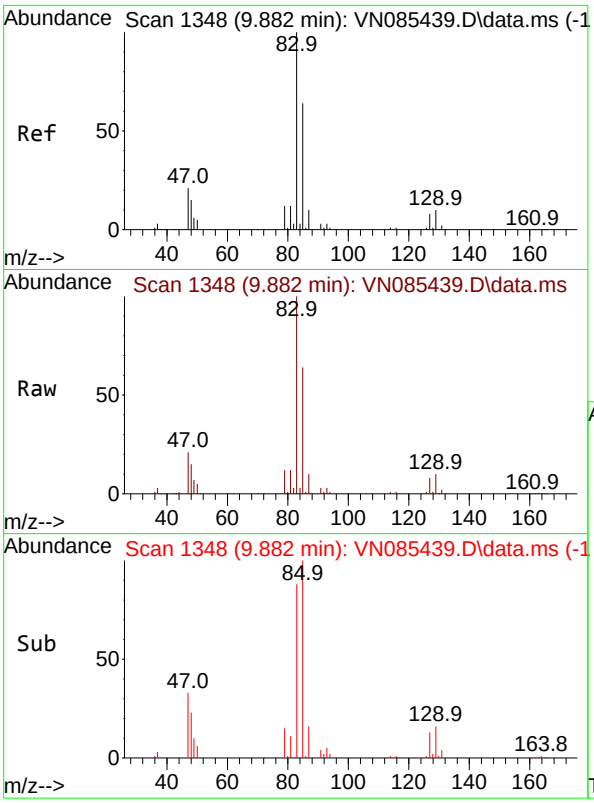


#46
Dibromomethane
Concen: 49.476 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 93 Resp: 90670

Ion	Ratio	Lower	Upper
93	100		
95	80.9	64.7	97.1
174	86.2	69.0	103.4



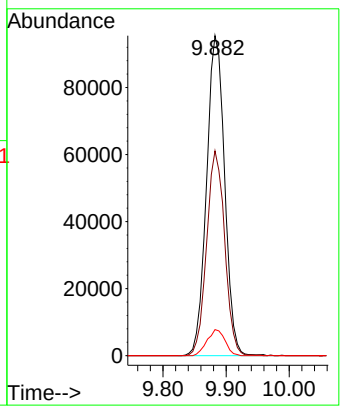


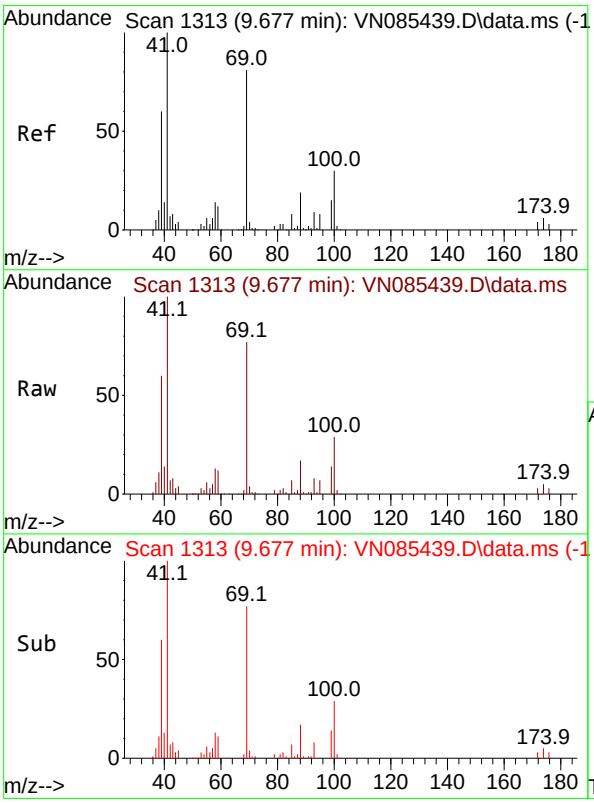
#47
Bromodichloromethane
Concen: 50.867 ug/l
RT: 9.882 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 189915

Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.2	76.8
127	8.1	6.5	9.7

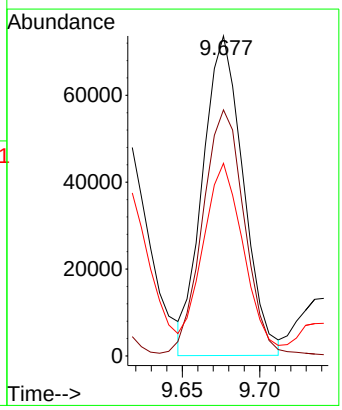


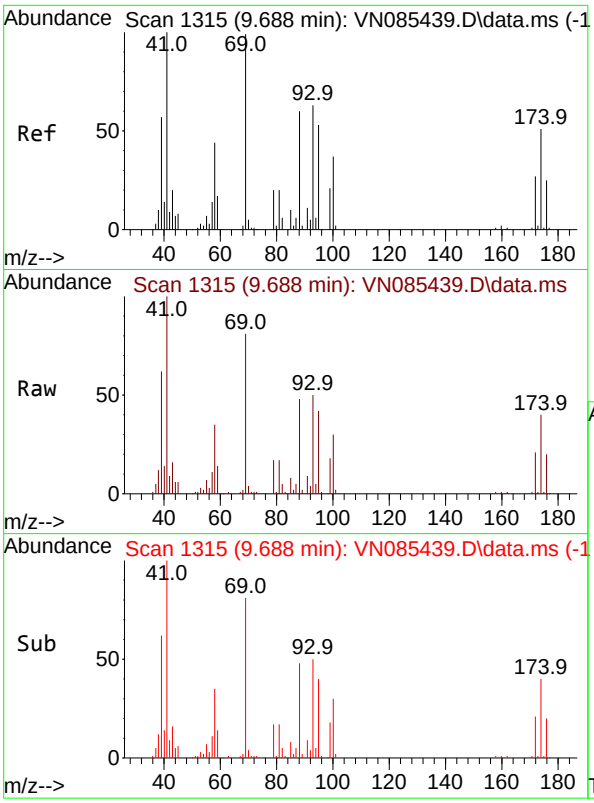


#48
Methyl methacrylate
Concen: 55.385 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 41 Resp: 133399

Ion	Ratio	Lower	Upper
41	100		
69	80.9	64.7	97.1
39	61.3	49.0	73.6



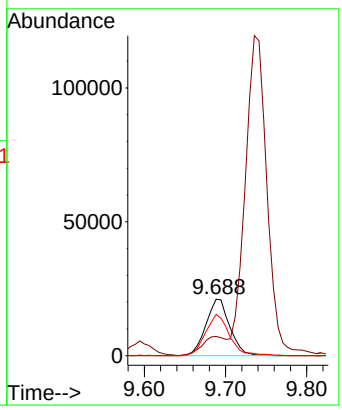


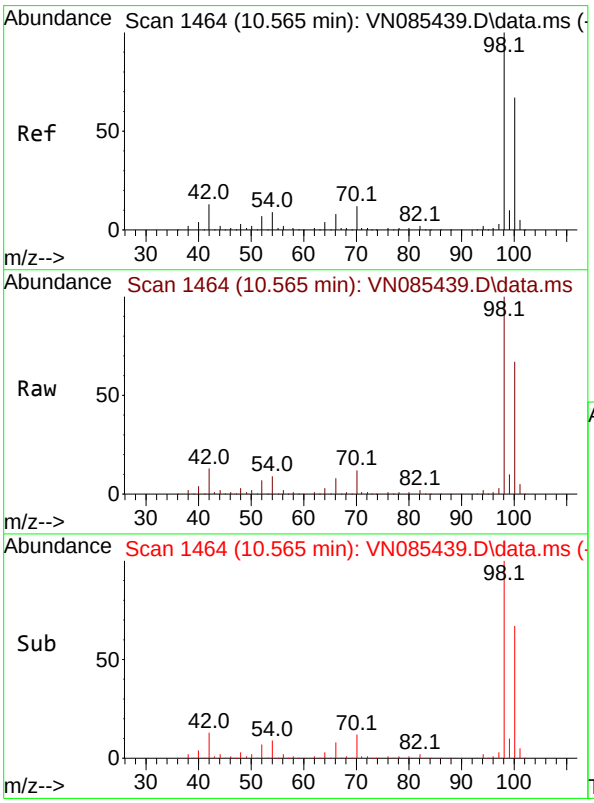
#49
1,4-Dioxane
Concen: 1061.334 ug/l
RT: 9.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 88 Resp: 43048

Ion	Ratio	Lower	Upper
88	100		
43	33.2	26.6	39.8
58	74.4	59.5	89.3

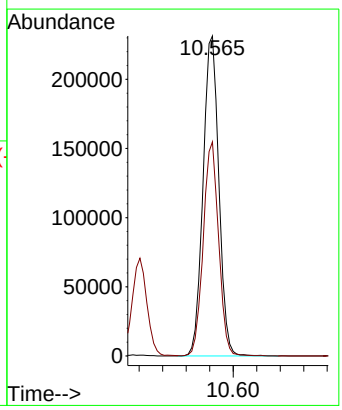


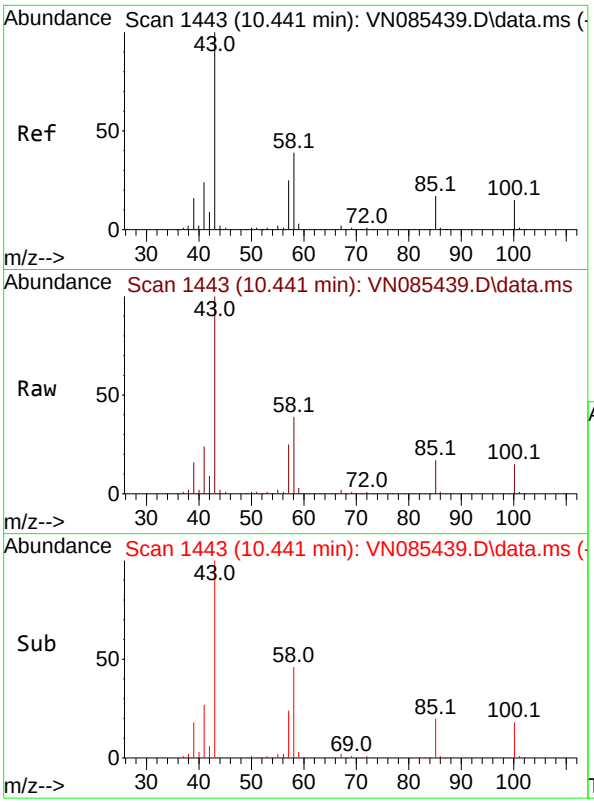


#50
Toluene-d8
Concen: 51.411 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 98 Resp: 430698

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.2	78.4



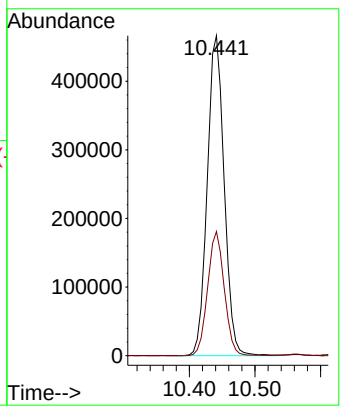


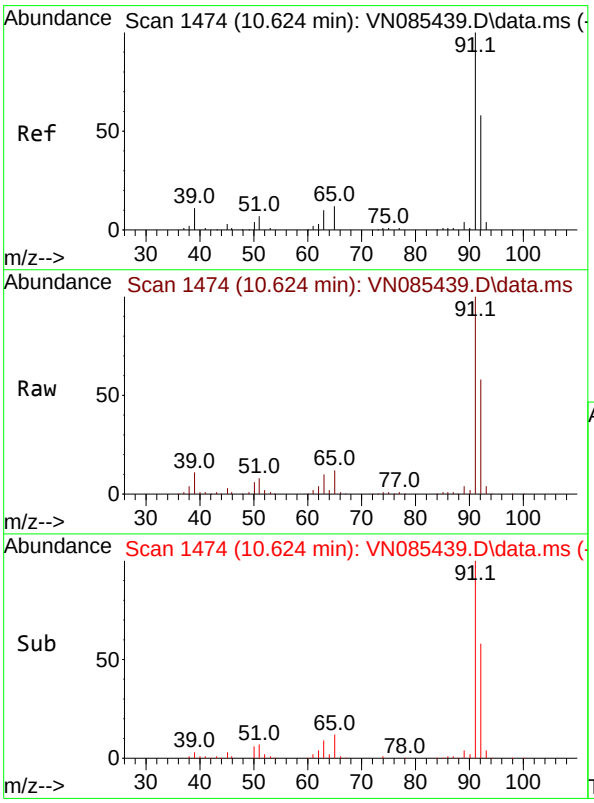
#51
4-Methyl-2-Pentanone
Concen: 269.403 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 836707

Ion	Ratio	Lower	Upper
43	100		
58	38.1	30.5	45.7

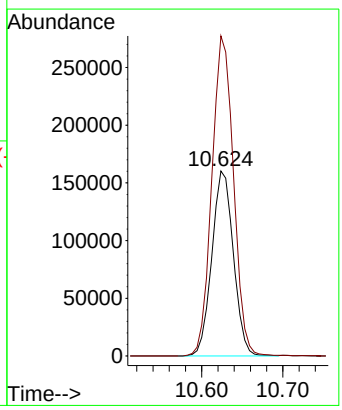


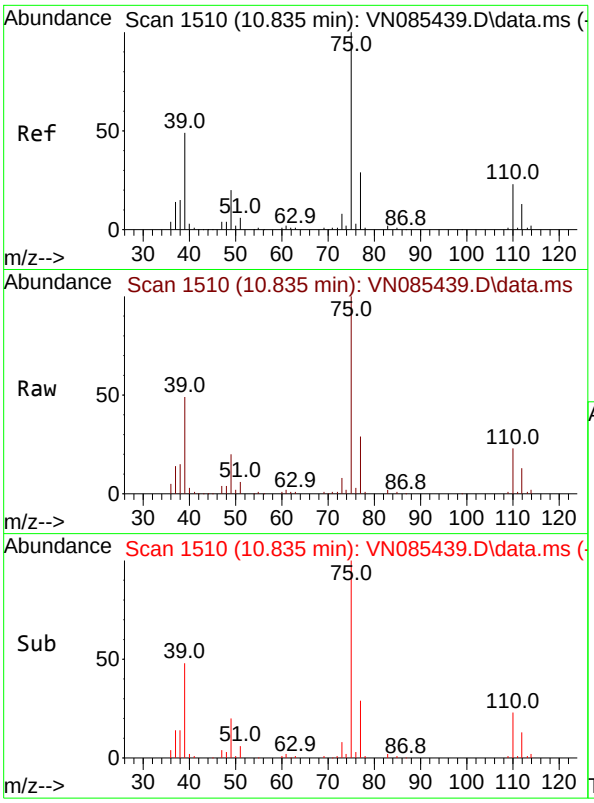


#52
Toluene
Concen: 51.341 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 92 Resp: 295792

Ion	Ratio	Lower	Upper
92	100		
91	174.0	139.2	208.8



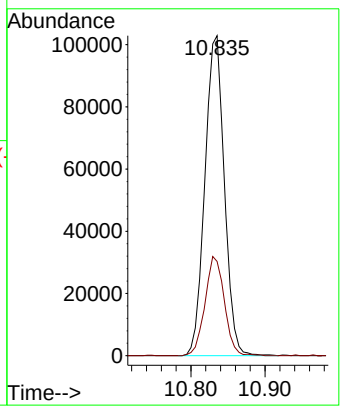


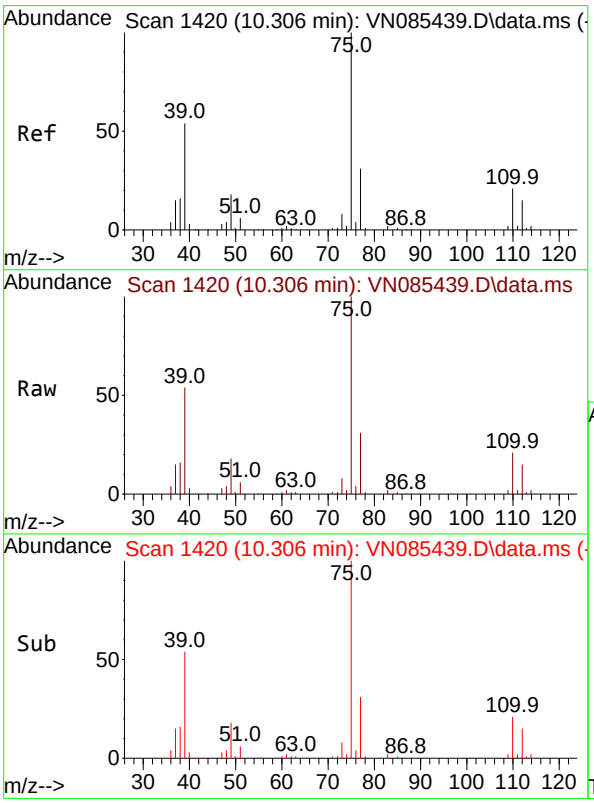
#53
t-1,3-Dichloropropene
Concen: 53.125 ug/l
RT: 10.835 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 187439

Ion	Ratio	Lower	Upper
75	100		
77	29.4	23.5	35.3

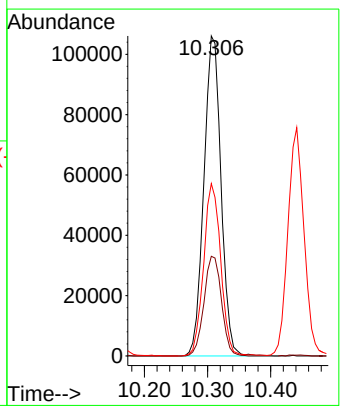


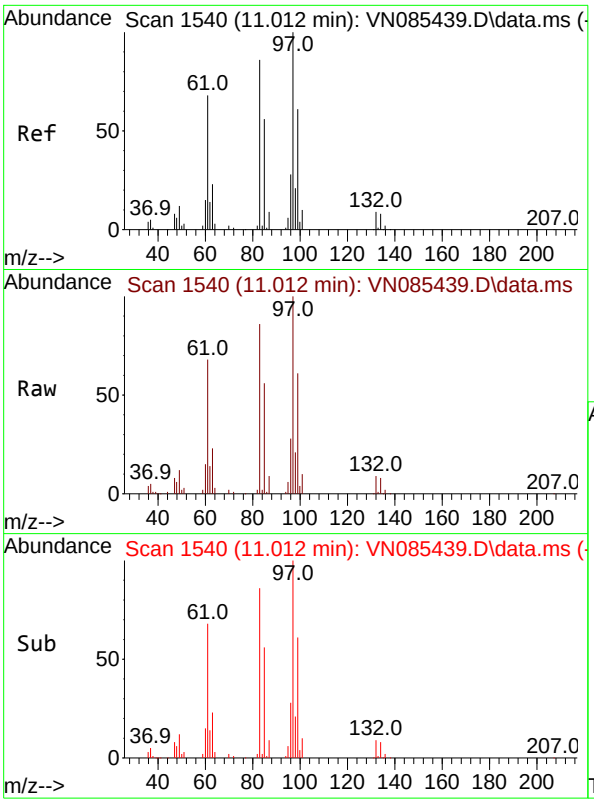


#54
cis-1,3-Dichloropropene
Concen: 53.006 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 75 Resp: 199771

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.0	37.4
39	53.9	43.1	64.7



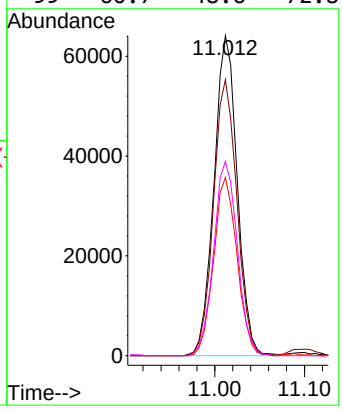


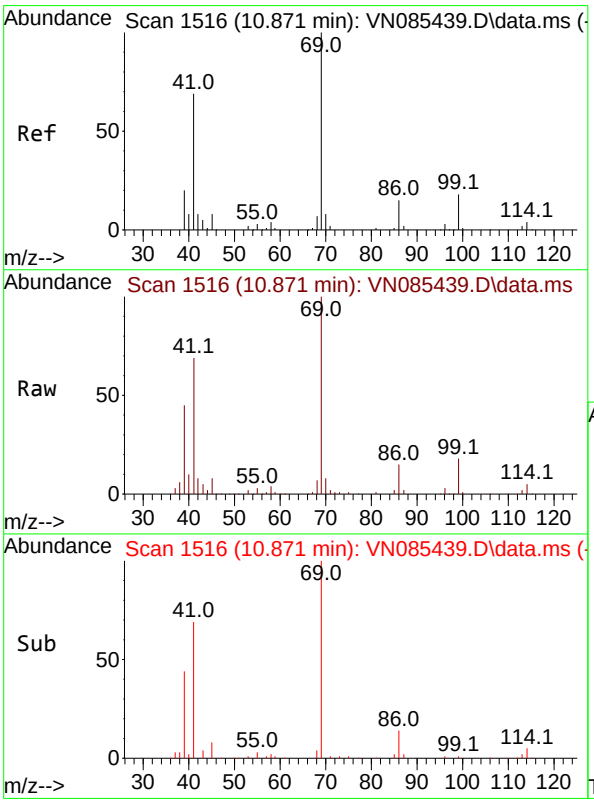
#55
1,1,2-Trichloroethane
Concen: 50.641 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 97 Resp: 115462

Ion	Ratio	Lower	Upper
97	100		
83	86.3	69.0	103.6
85	55.7	44.6	66.8
99	60.7	48.6	72.8

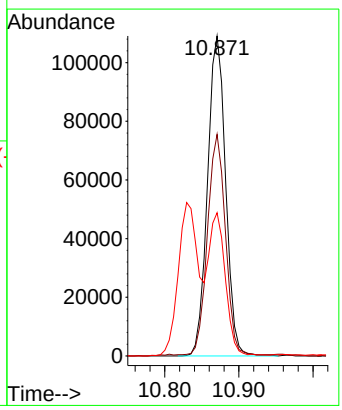


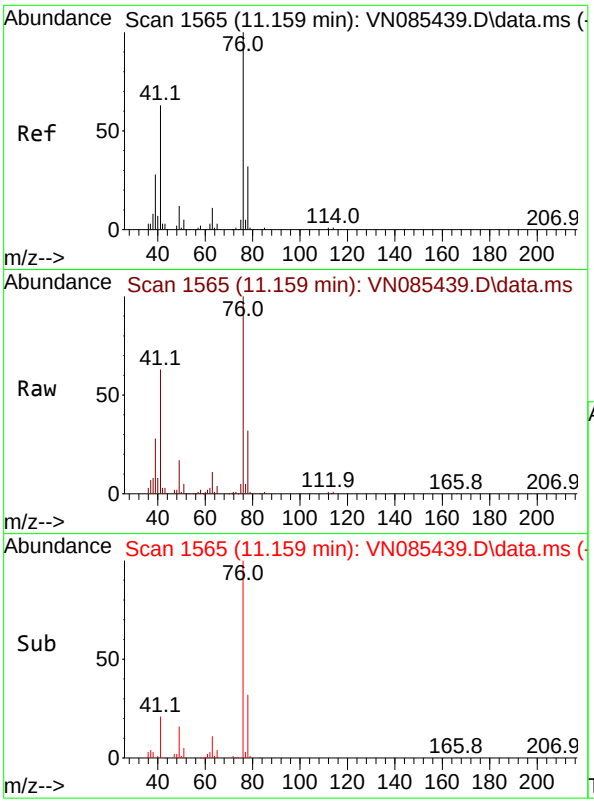


#56
Ethyl methacrylate
Concen: 48.182 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 69 Resp: 184775

Ion	Ratio	Lower	Upper
69	100		
41	68.3	54.6	82.0
39	40.5	32.4	48.6



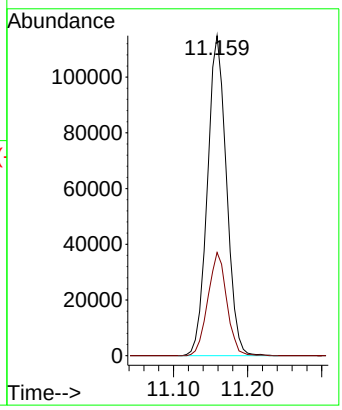


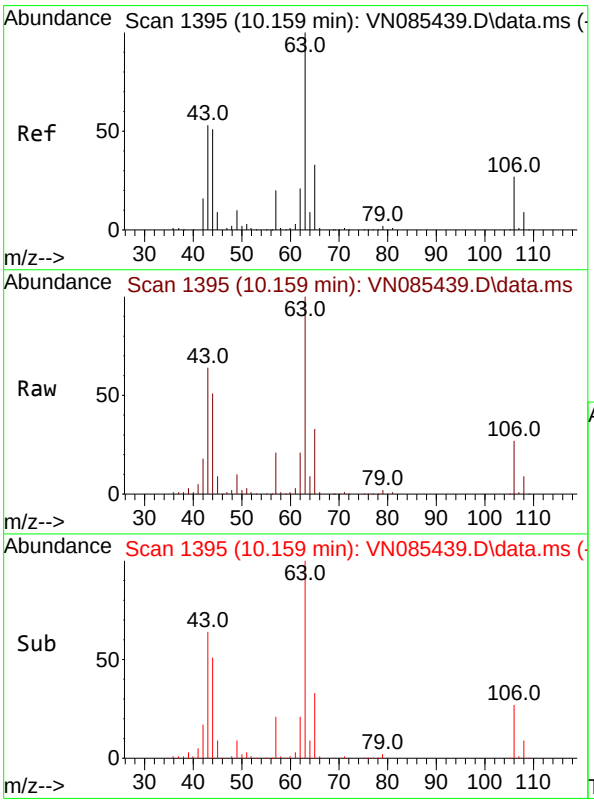
#57
1,3-Dichloropropane
Concen: 51.606 ug/l
RT: 11.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 204590

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.6	38.4

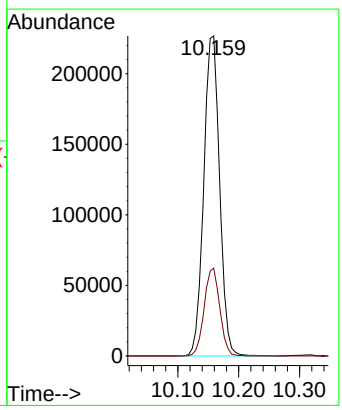


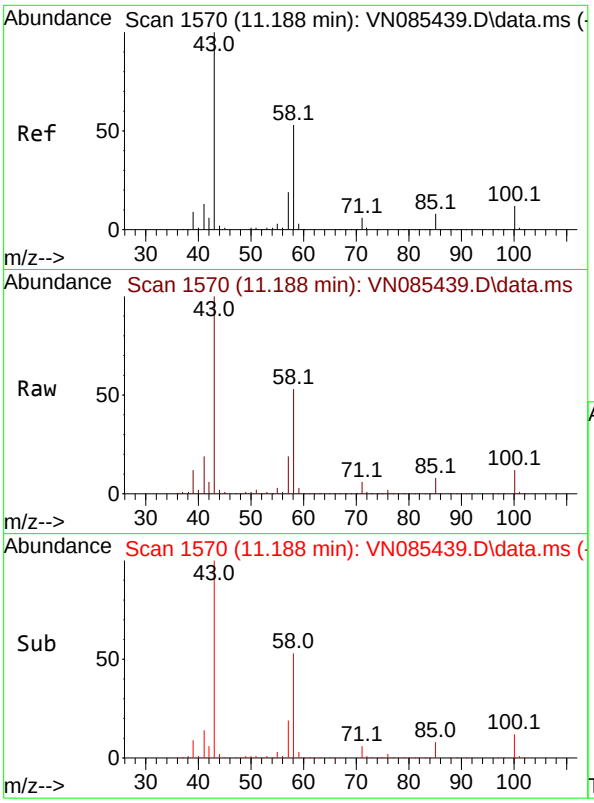


#58
2-Chloroethyl Vinyl ether
Concen: 283.088 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 63 Resp: 409594

Ion	Ratio	Lower	Upper
63	100		
106	27.0	21.6	32.4



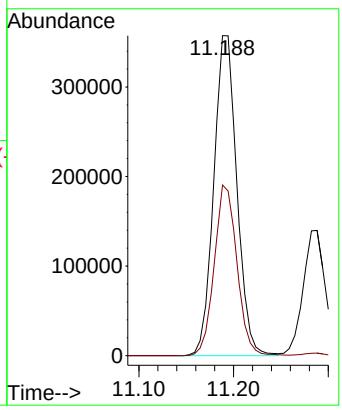


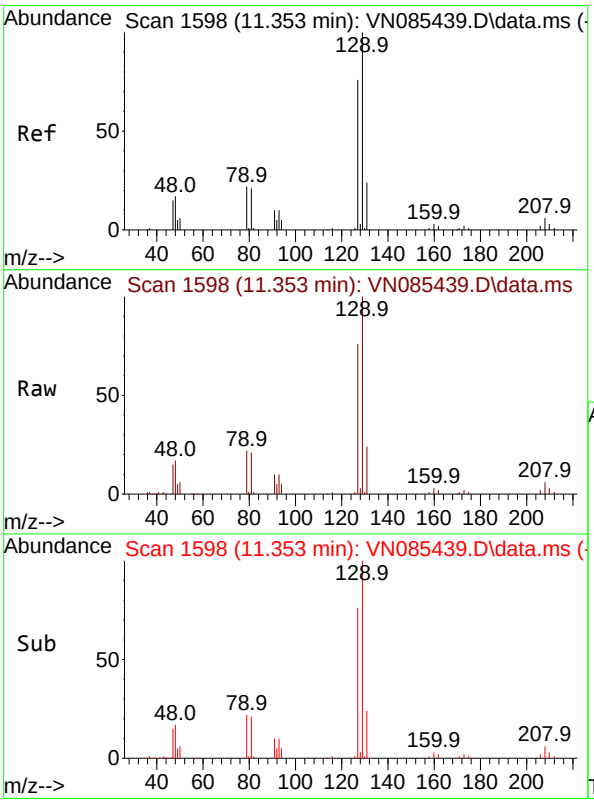
#59
2-Hexanone
Concen: 277.643 ug/l
RT: 11.188 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 606740

Ion	Ratio	Lower	Upper
43	100		
58	52.4	26.2	78.6

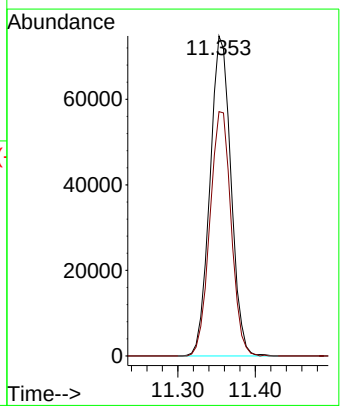


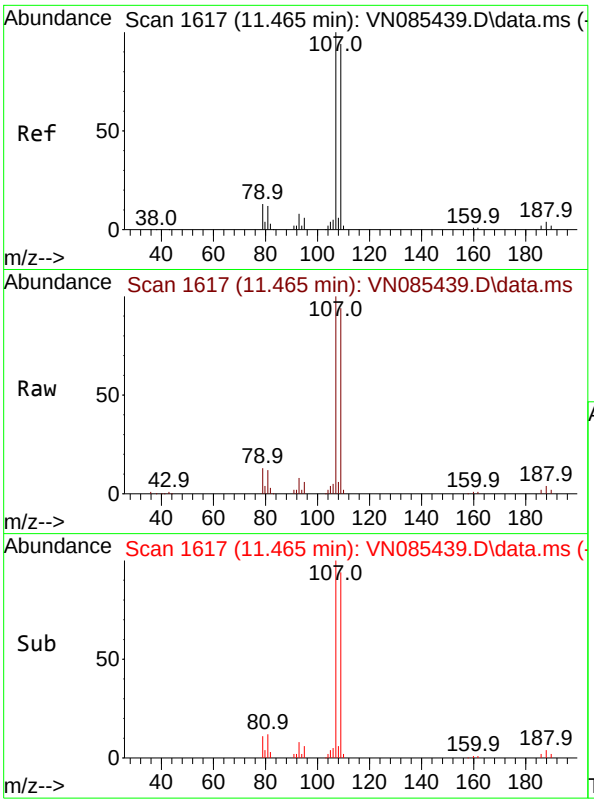


#60
Dibromochloromethane
Concen: 51.116 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion:129 Resp: 140704

Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.6	115.8



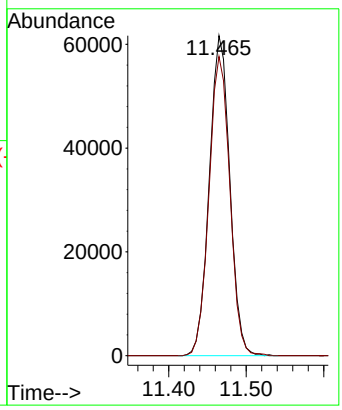


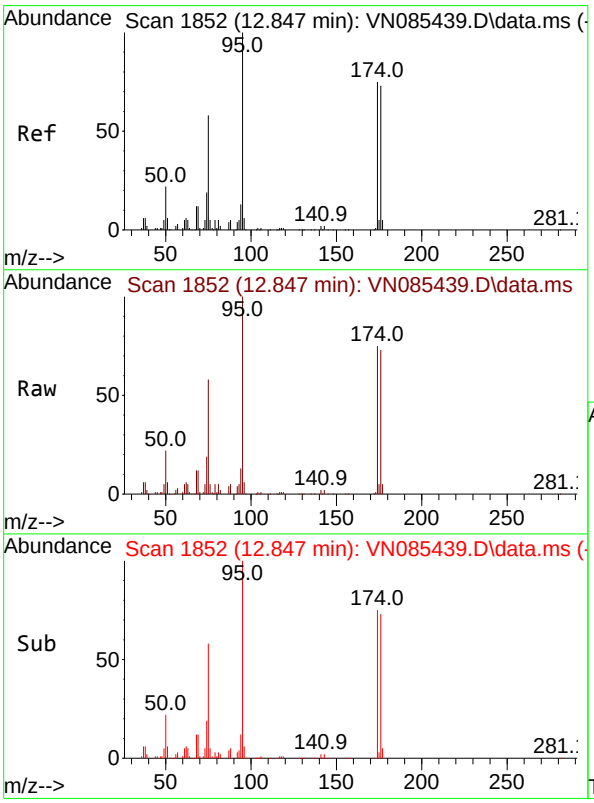
#61
1,2-Dibromoethane
Concen: 50.028 ug/l
RT: 11.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 113541

Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.9	113.9

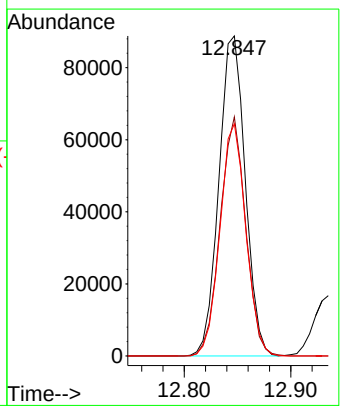


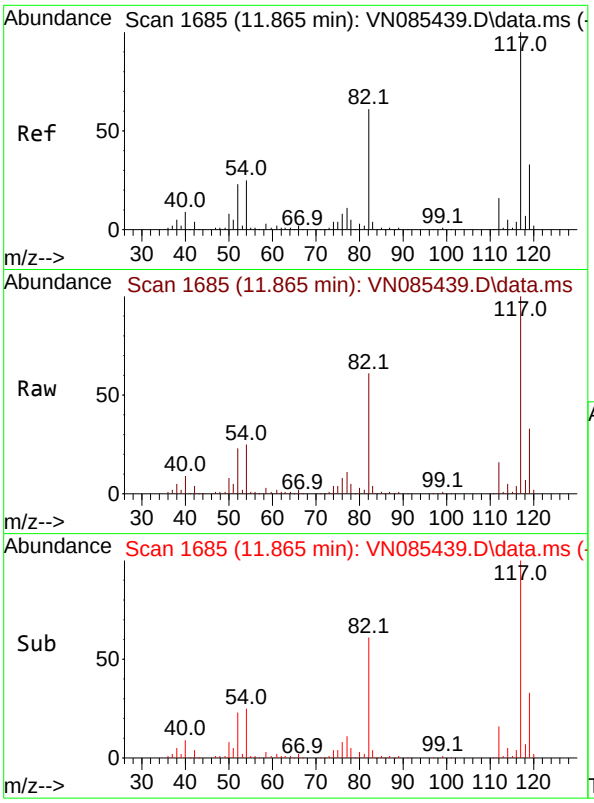


#62
4-Bromofluorobenzene
Concen: 53.239 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 95 Resp: 152568

Ion	Ratio	Lower	Upper
95	100		
174	72.5	0.0	145.0
176	71.2	0.0	142.4



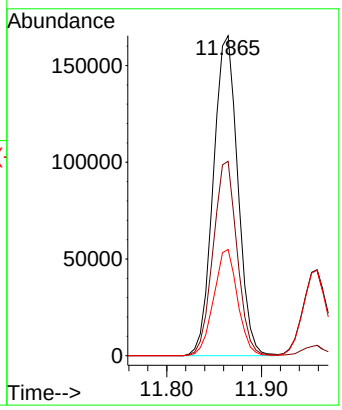


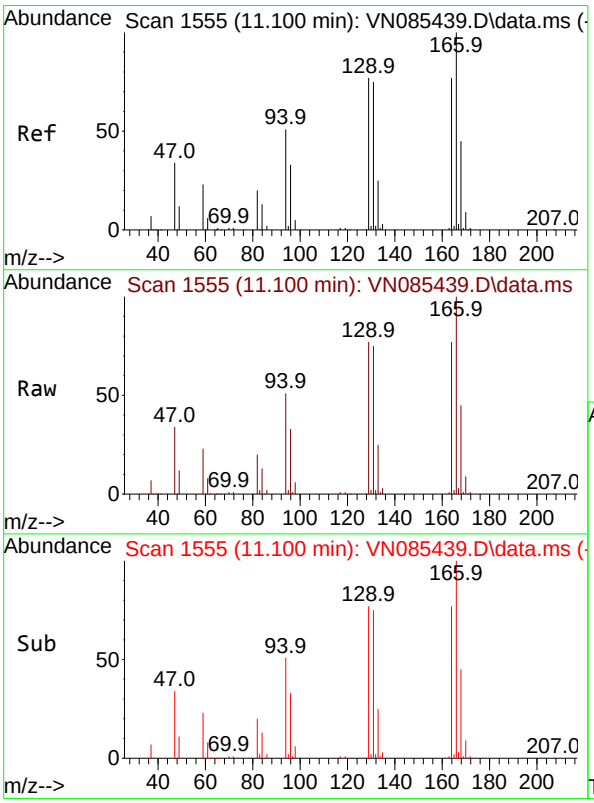
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 297366

Ion	Ratio	Lower	Upper
117	100		
82	60.7	48.6	72.8
119	33.2	26.6	39.8

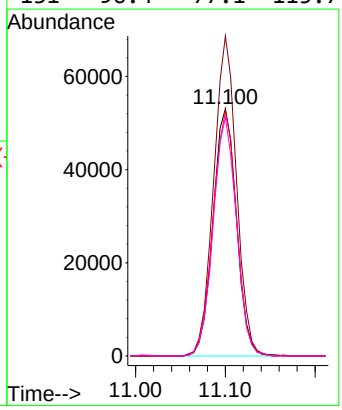


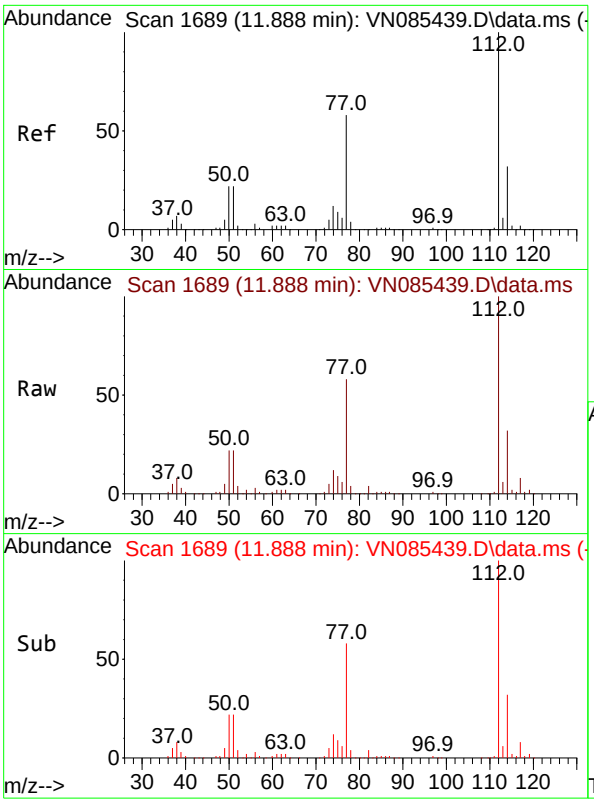


#64
Tetrachloroethene
Concen: 47.295 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion:164 Resp: 95879

Ion	Ratio	Lower	Upper
164	100		
166	129.3	103.4	155.2
129	99.0	79.2	118.8
131	96.4	77.1	115.7



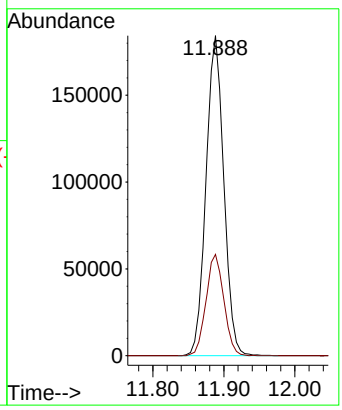


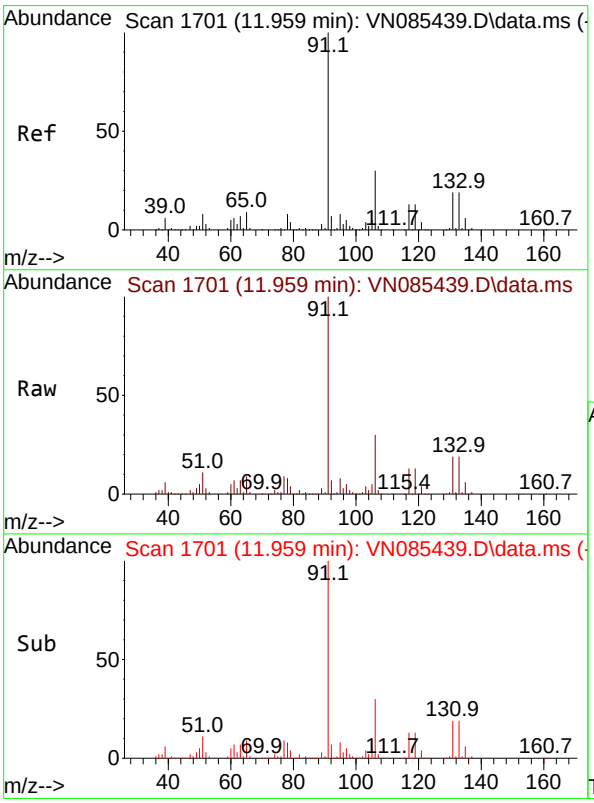
#65
Chlorobenzene
Concen: 49.121 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 319992

Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.3	37.9

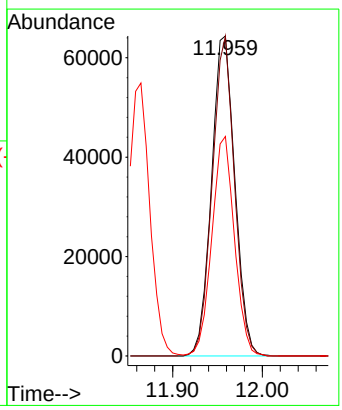


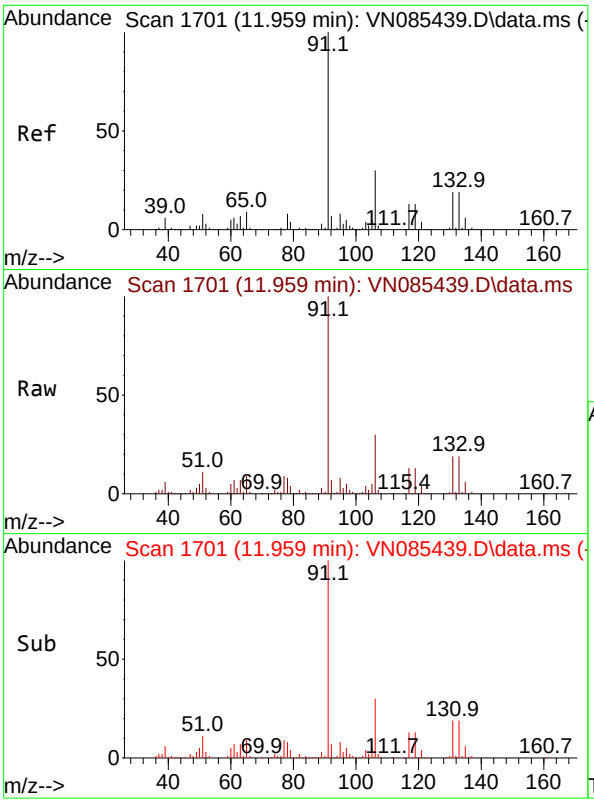


#66
1,1,1,2-Tetrachloroethane
Concen: 48.722 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion:131 Resp: 116488

Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.4	142.3
119	66.3	33.1	99.5



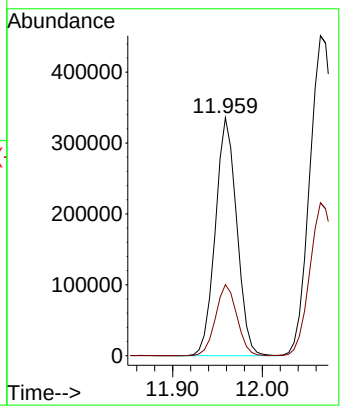


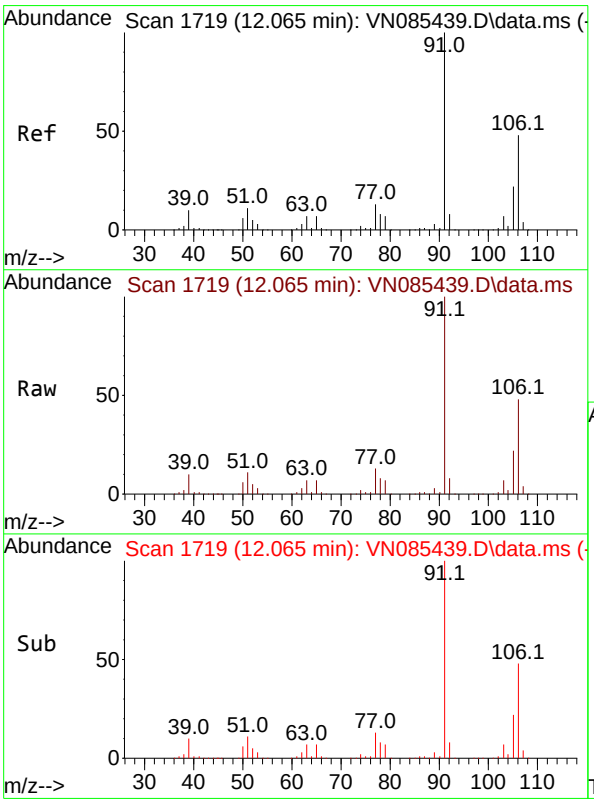
#67
Ethyl Benzene
Concen: 52.339 ug/l
RT: 11.959 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 555322

Ion	Ratio	Lower	Upper
91	100		
106	29.8	23.8	35.8

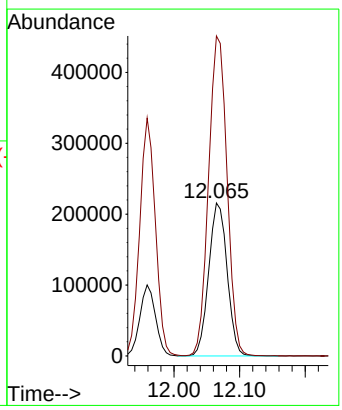


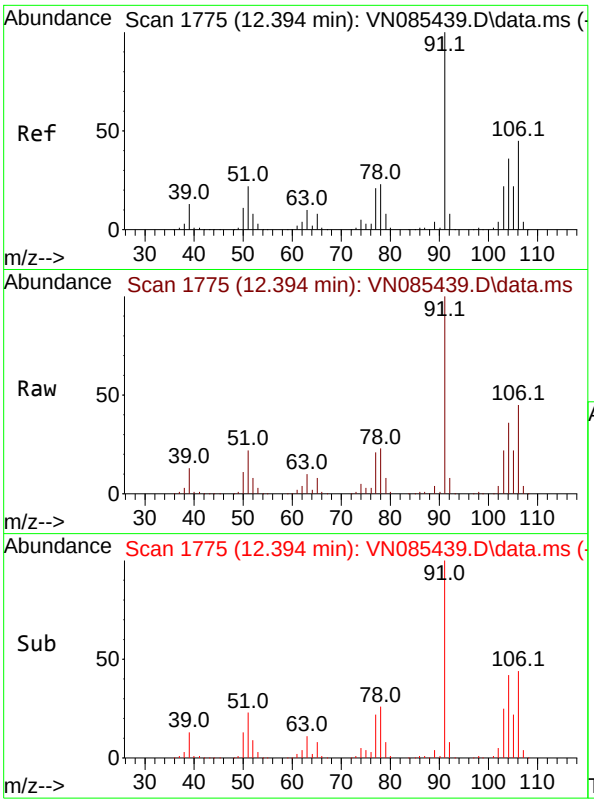


#68
m/p-Xylenes
Concen: 107.286 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion:106 Resp: 420702

Ion	Ratio	Lower	Upper
106	100		
91	209.6	167.7	251.5



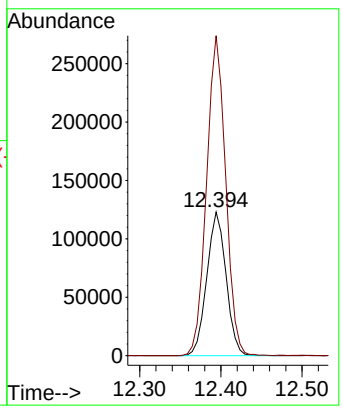


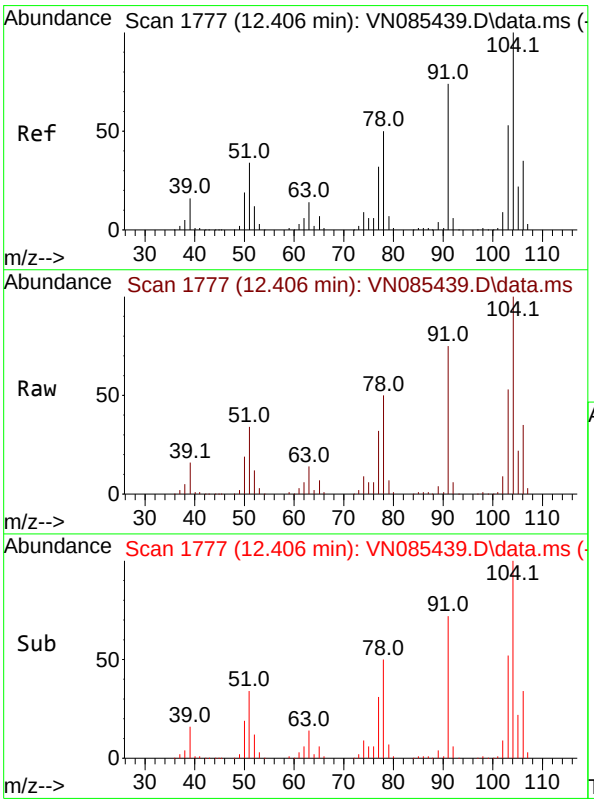
#69
o-Xylene
Concen: 54.062 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 202597

Ion	Ratio	Lower	Upper
106	100		
91	220.8	110.4	331.2

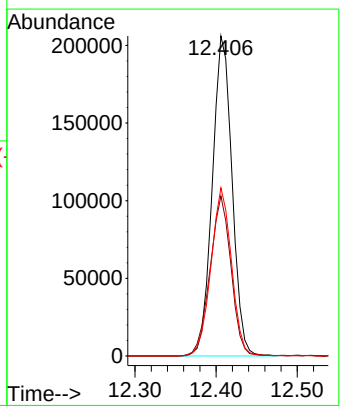


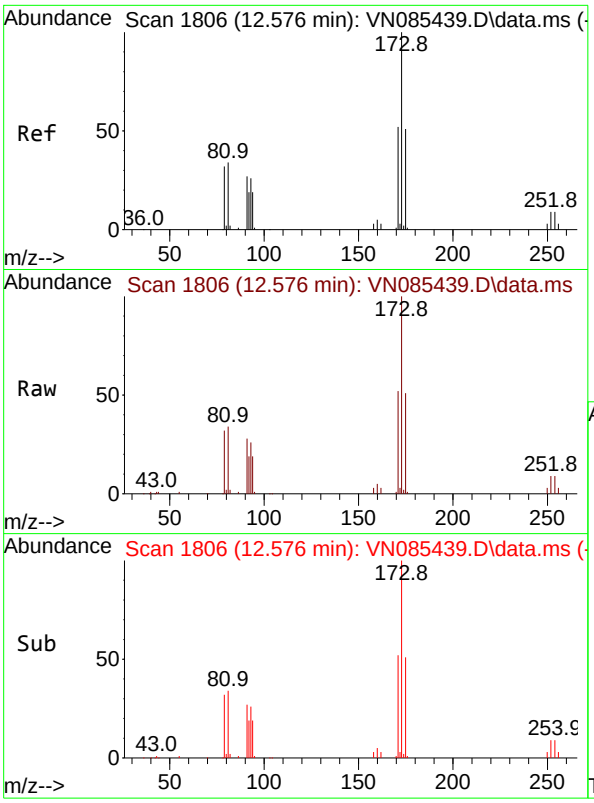


#70
Styrene
Concen: 56.227 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion:104 Resp: 348720

Ion	Ratio	Lower	Upper
104	100		
78	53.1	42.5	63.7
103	54.8	43.8	65.8



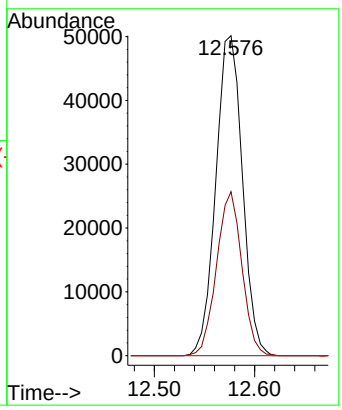


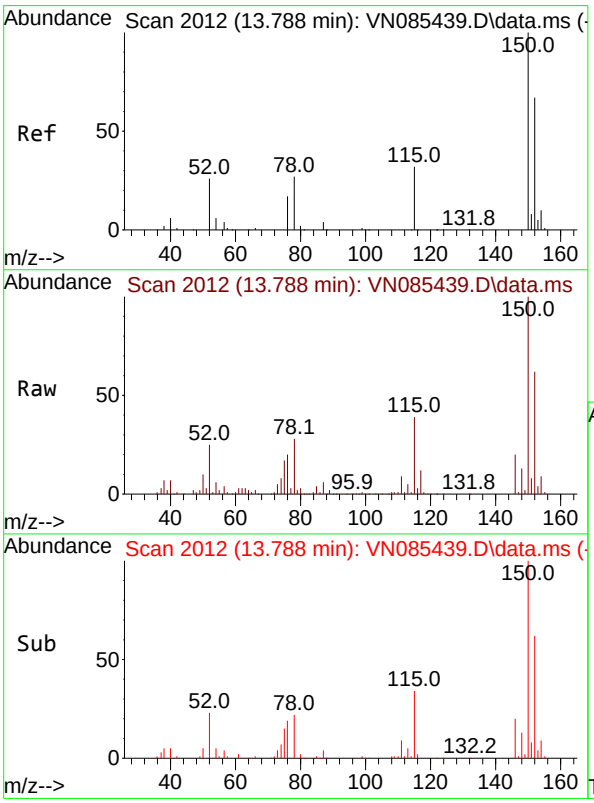
#71
Bromoform
Concen: 53.993 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:173 Resp: 92366

Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.4	73.2
254	0.0	0.0	0.0

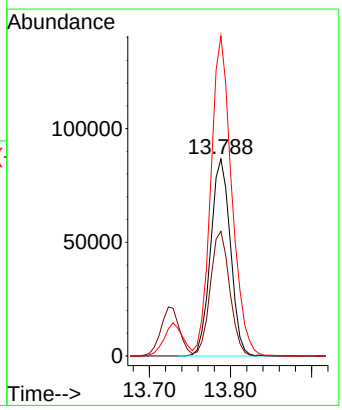


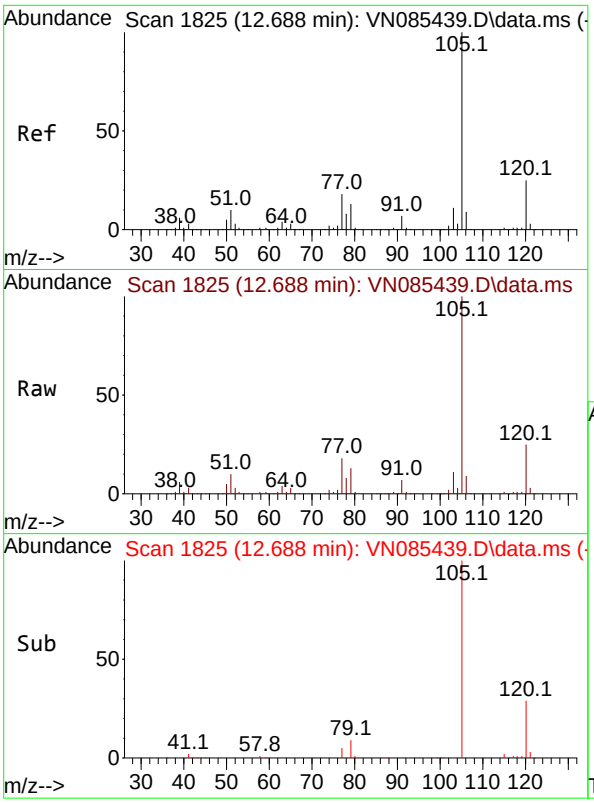


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion:152 Resp: 146624

Ion	Ratio	Lower	Upper
152	100		
115	62.2	31.1	93.3
150	171.8	0.0	343.6



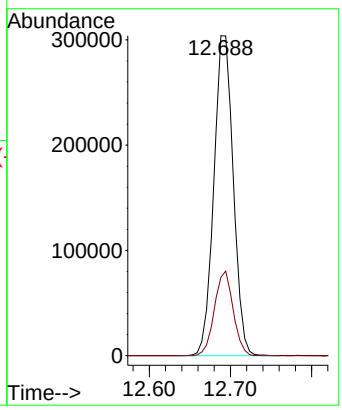


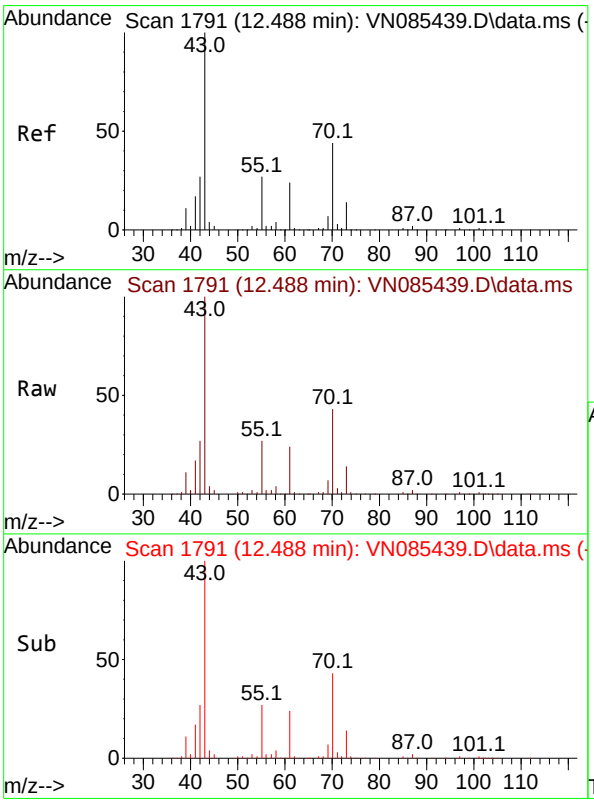
#73
Isopropylbenzene
Concen: 51.094 ug/l
RT: 12.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 505619

Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.8	38.3

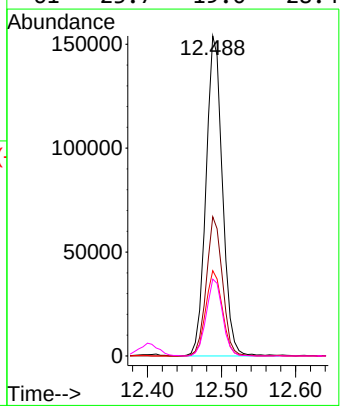


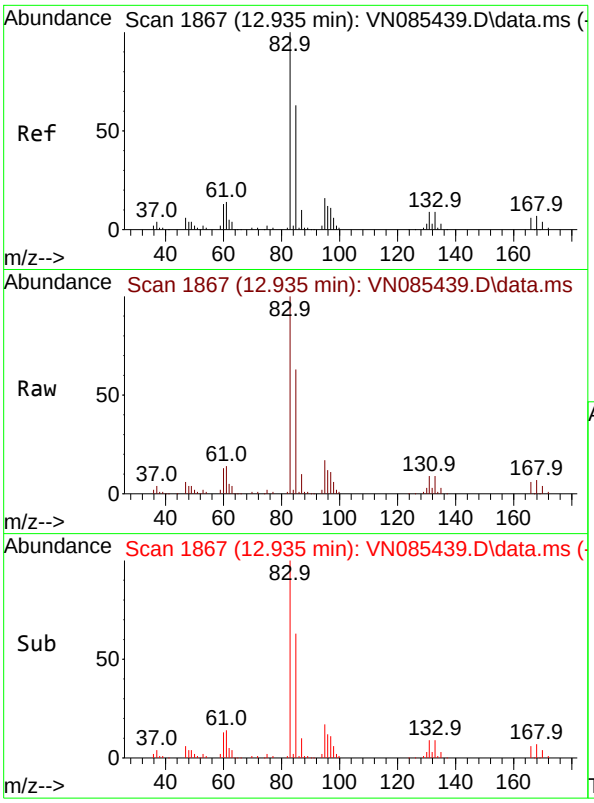


#74
N-amyl acetate
Concen: 53.478 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 43 Resp: 237870

Ion	Ratio	Lower	Upper
43	100		
70	42.5	34.0	51.0
55	26.8	21.4	32.2
61	23.7	19.0	28.4



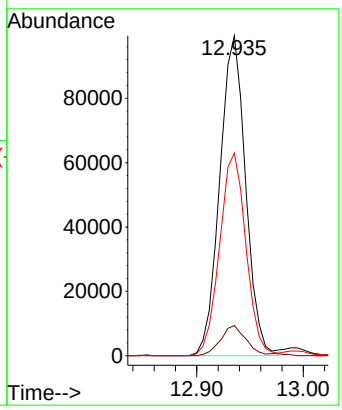


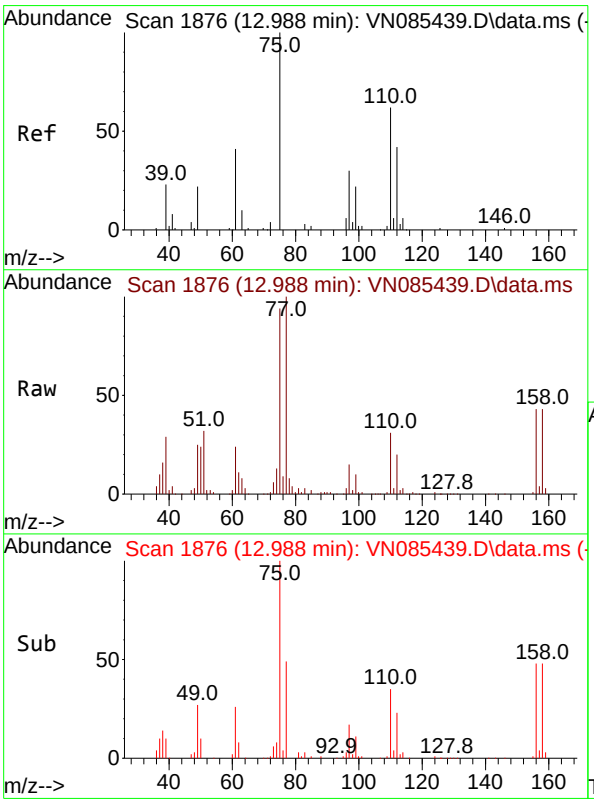
#75
1,1,2,2-Tetrachloroethane
Concen: 48.019 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 167856

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.8	14.4
85	64.4	32.2	96.6

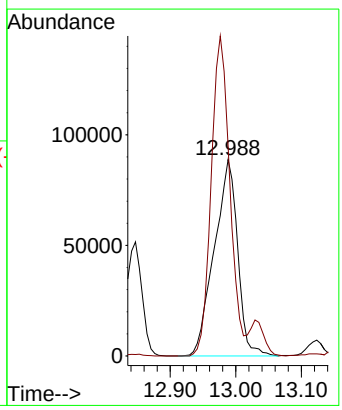


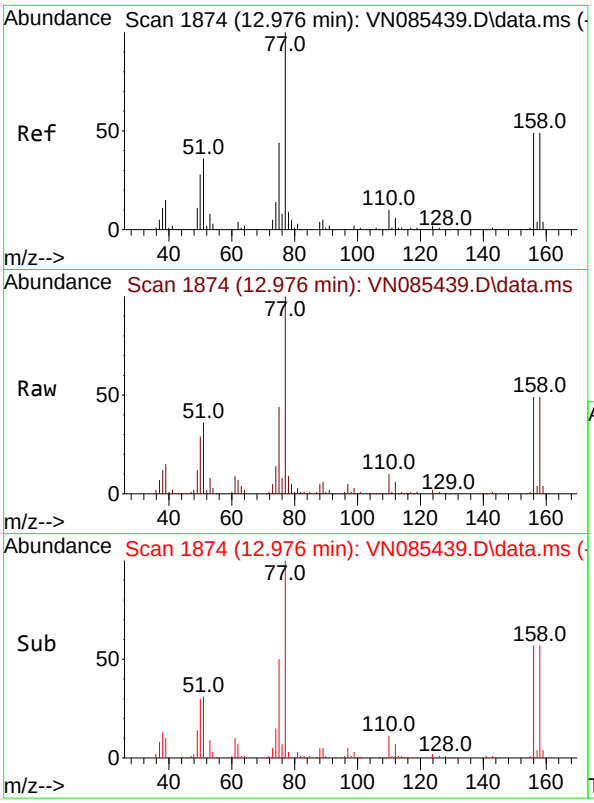


#76
1,2,3-Trichloropropane
Concen: 73.773 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 75 Resp: 219507

Ion	Ratio	Lower	Upper
75	100		
77	130.9	109.7	329.2



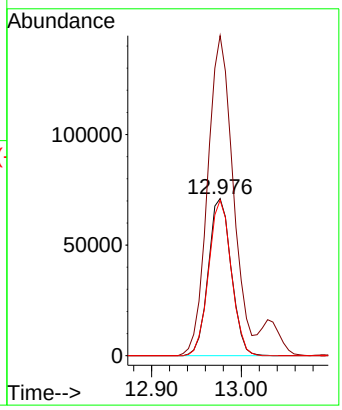


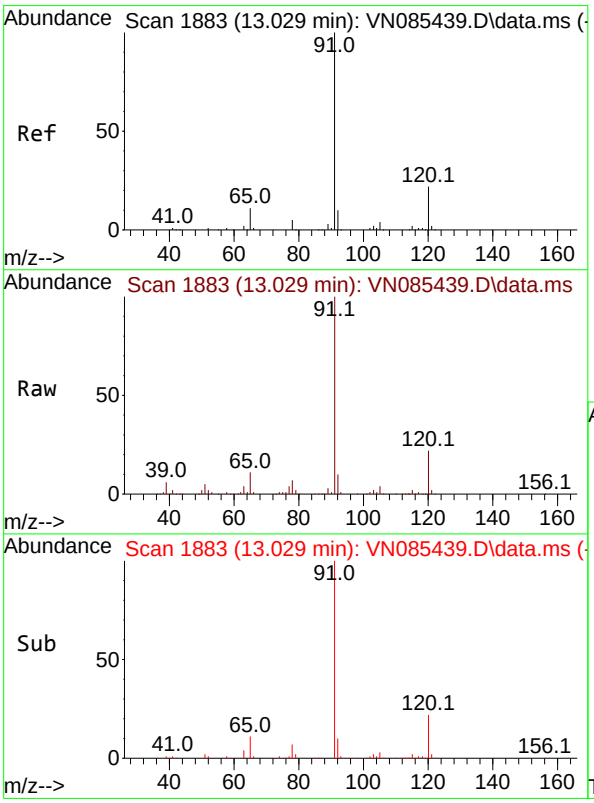
#77
Bromobenzene
Concen: 48.657 ug/l
RT: 12.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:156 Resp: 125800

Ion	Ratio	Lower	Upper
156	100		
77	228.3	114.1	342.4
158	97.9	48.9	146.8

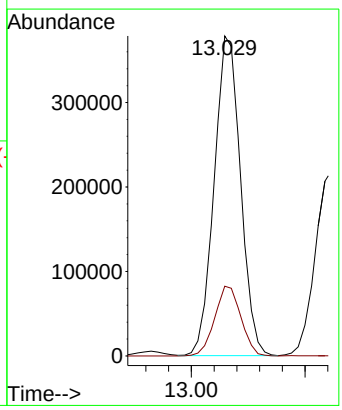


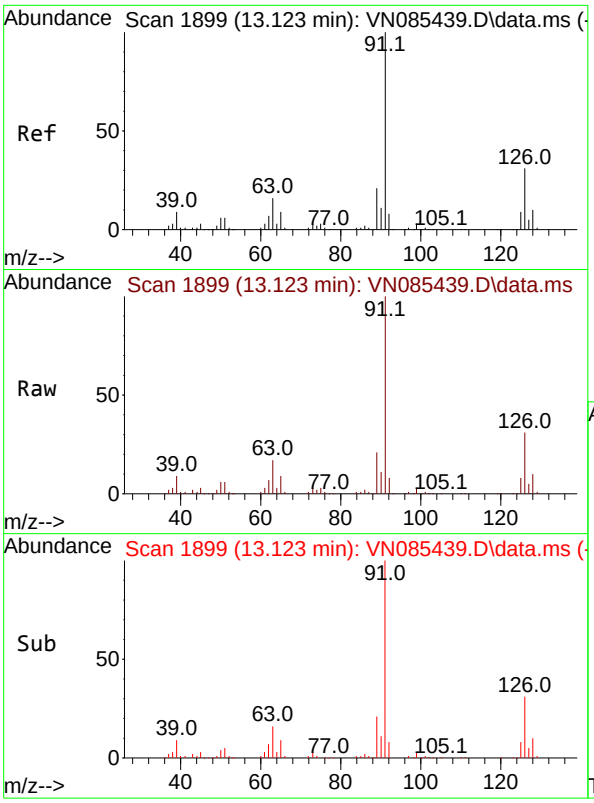


#78
n-propylbenzene
Concen: 51.986 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 91 Resp: 609022

Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.9	32.6



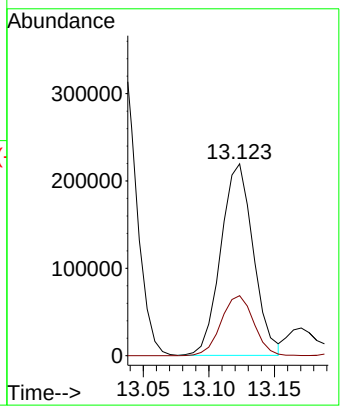


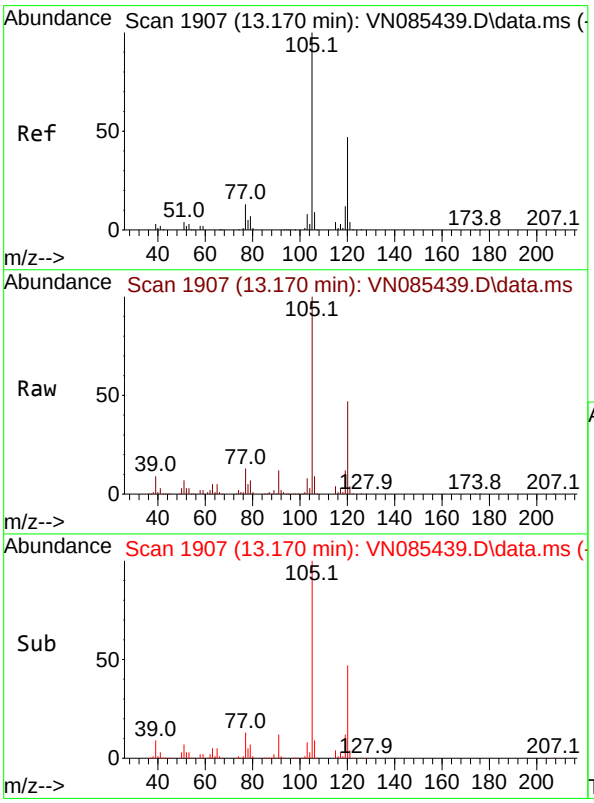
#79
2-Chlorotoluene
Concen: 49.985 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 378981

Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.7	47.1

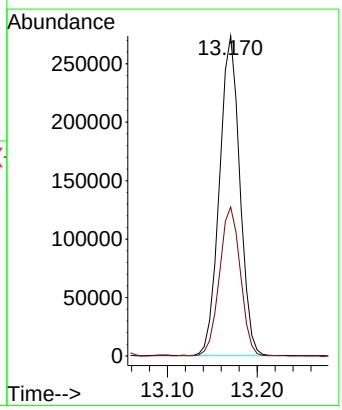


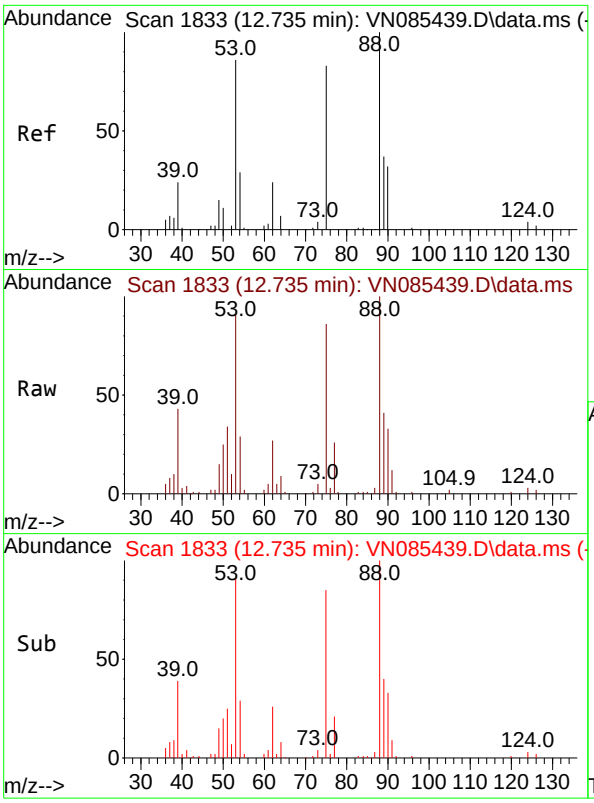


#80
1,3,5-Trimethylbenzene
Concen: 52.730 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion:105 Resp: 431021

Ion	Ratio	Lower	Upper
105	100		
120	47.8	23.9	71.7



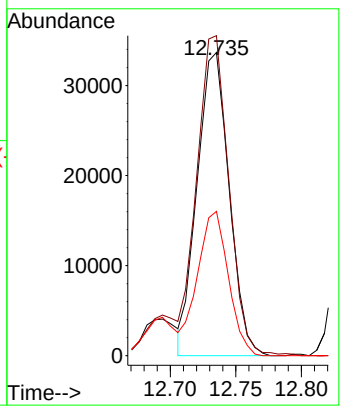


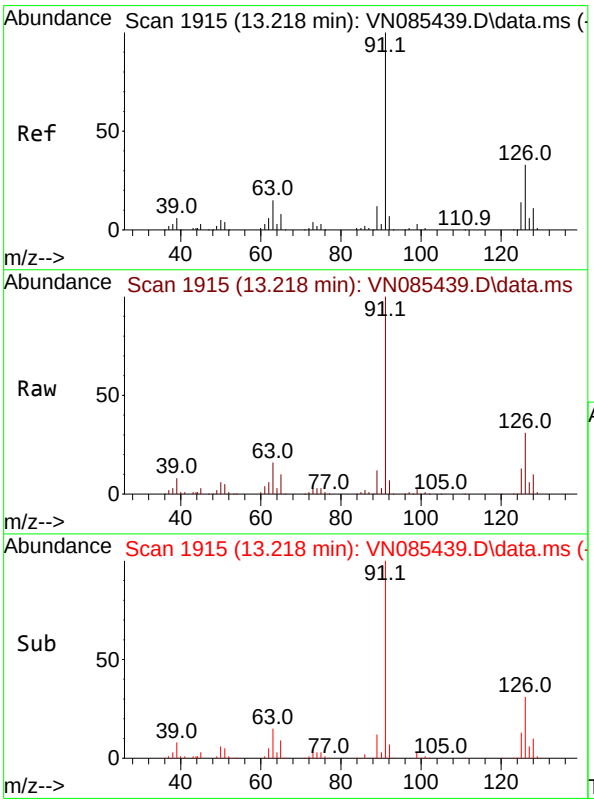
#81
trans-1,4-Dichloro-2-butene
Concen: 51.914 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 57184

Ion	Ratio	Lower	Upper
75	100		
53	119.5	95.6	143.4
89	46.3	37.0	55.6

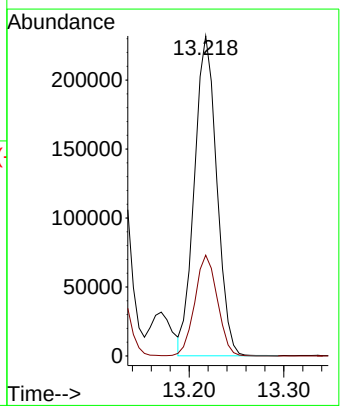


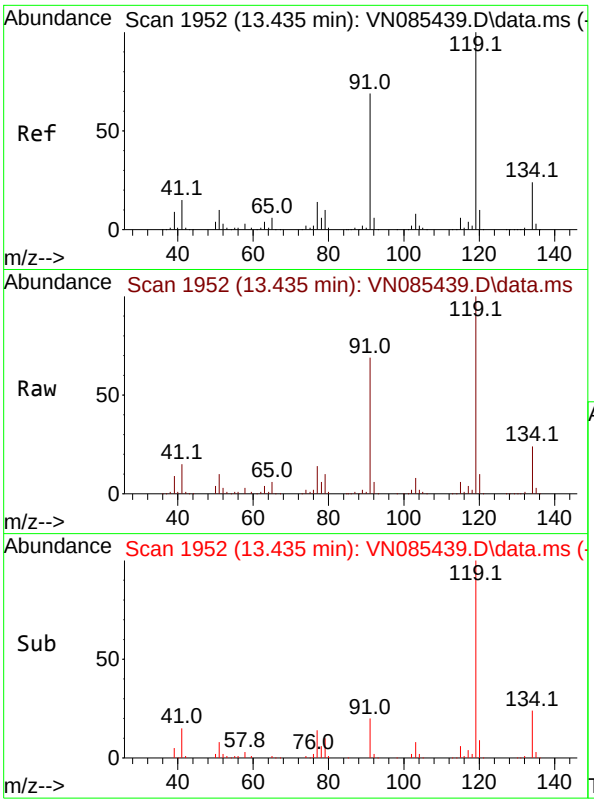


#82
4-Chlorotoluene
Concen: 50.273 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 91 Resp: 379524

Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.9	47.7



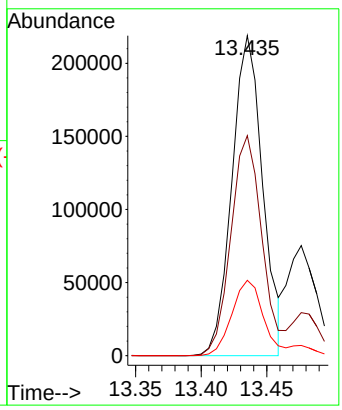


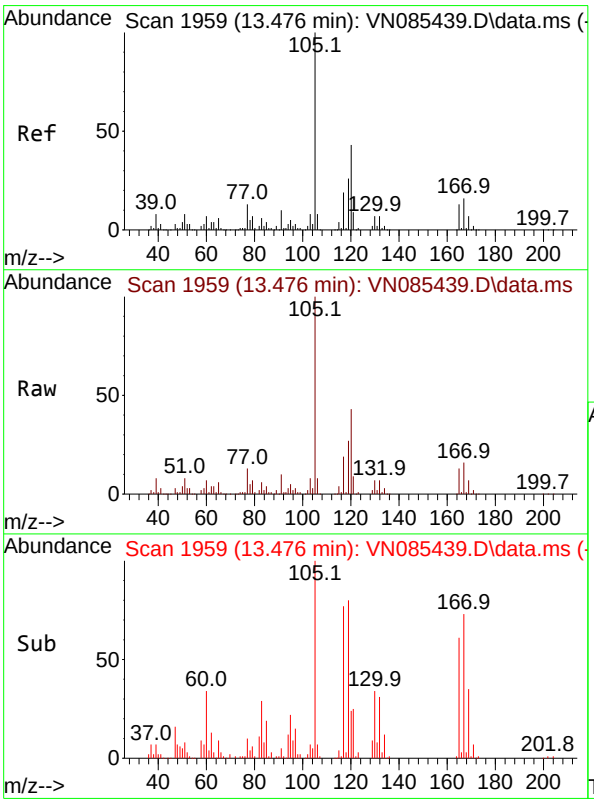
#83
tert-Butylbenzene
Concen: 52.090 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:119 Resp: 357563

Ion	Ratio	Lower	Upper
119	100		
91	70.2	35.1	105.3
134	24.1	12.0	36.1

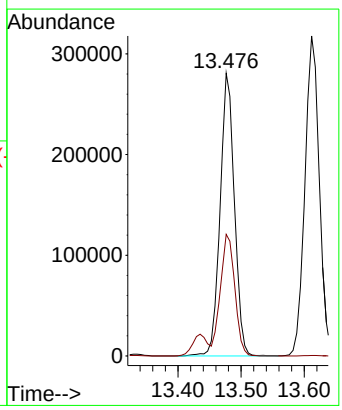


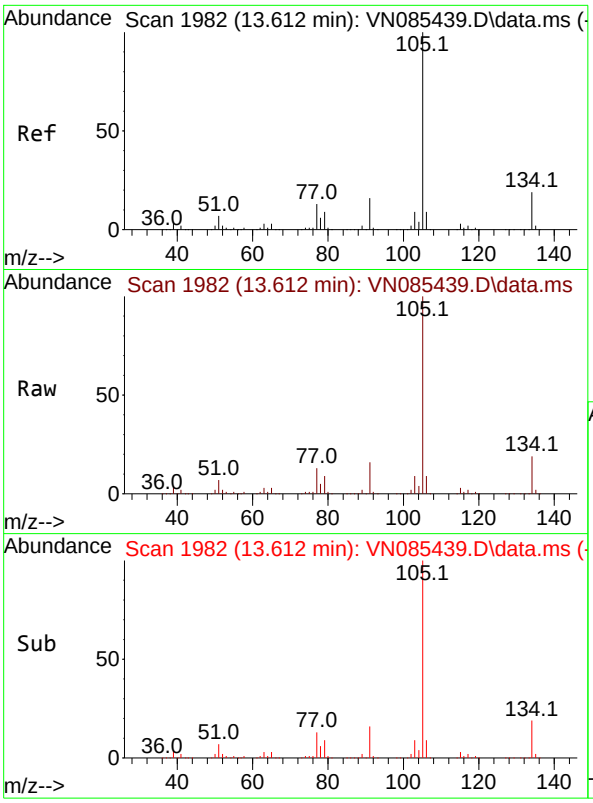


#84
1,2,4-Trimethylbenzene
Concen: 54.275 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion:105 Resp: 442175

Ion	Ratio	Lower	Upper
105	100		
120	43.3	21.6	65.0



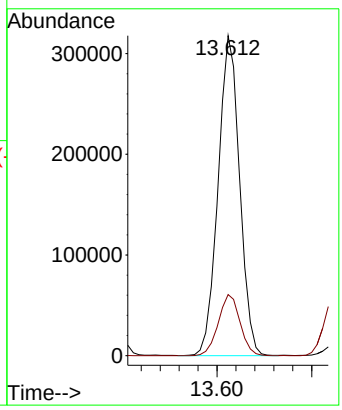


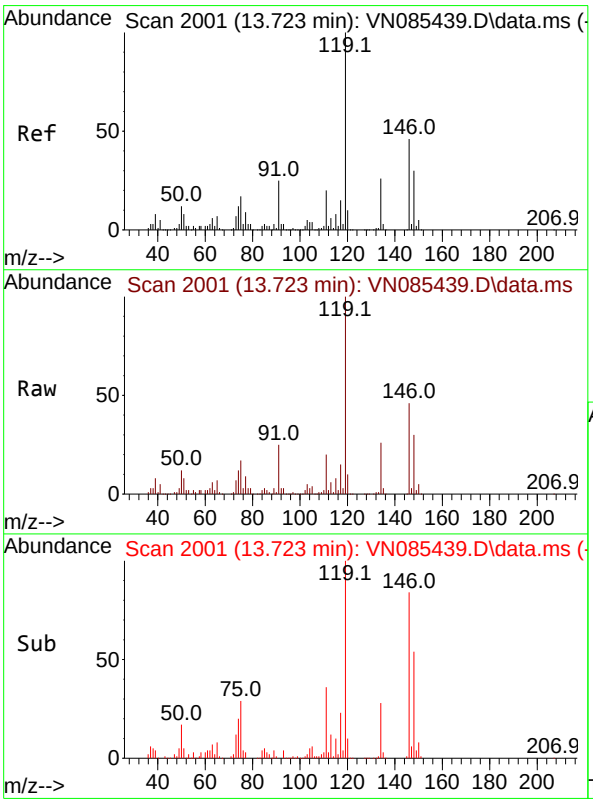
#85
sec-Butylbenzene
Concen: 52.719 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 501561

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	28.9

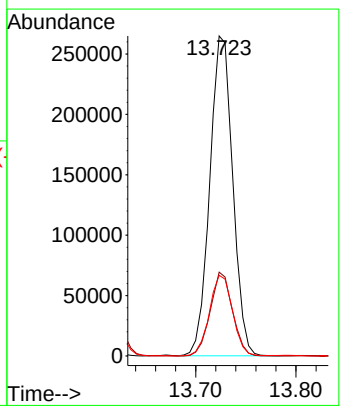


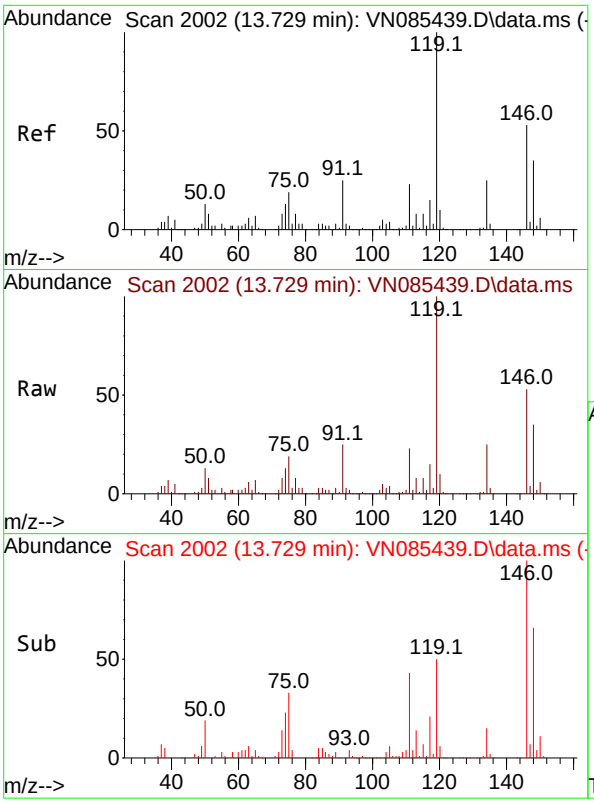


#86
p-Isopropyltoluene
Concen: 49.240 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion:119 Resp: 421052

Ion	Ratio	Lower	Upper
119	100		
134	25.3	12.7	38.0
91	25.4	12.7	38.1



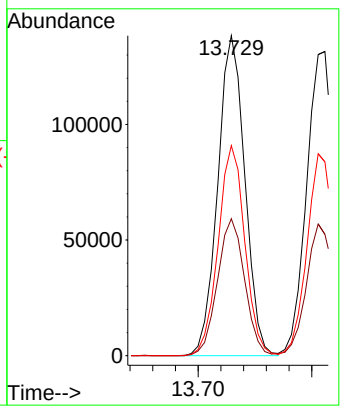


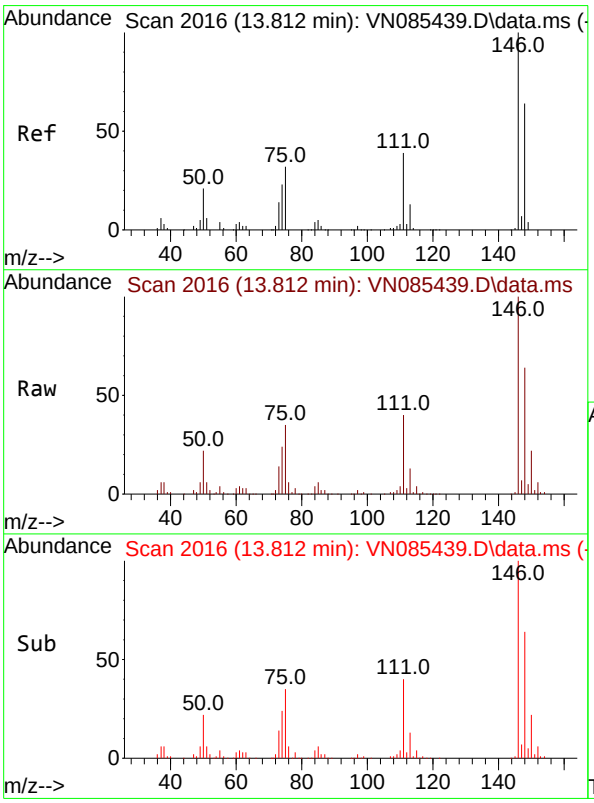
#87
1,3-Dichlorobenzene
Concen: 48.204 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 229518

Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.4	64.3
148	64.6	32.3	96.9

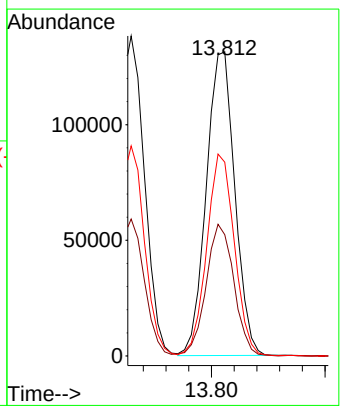


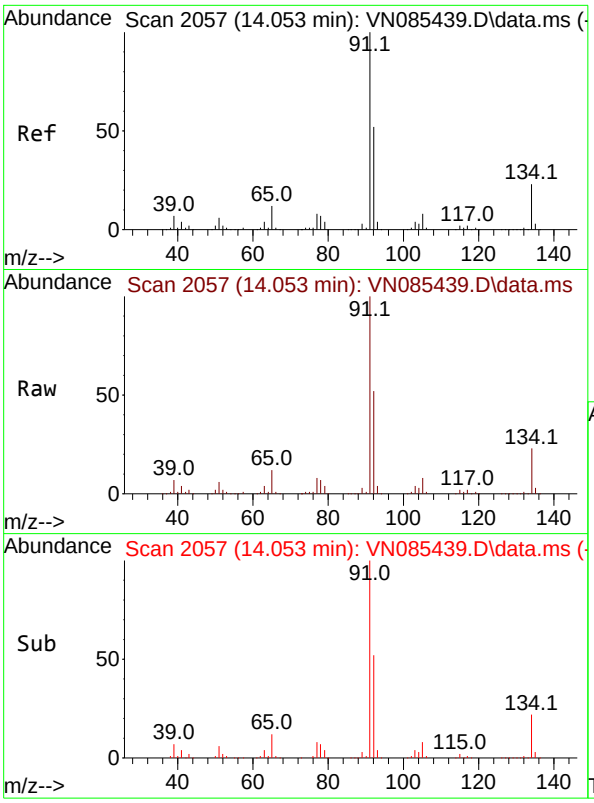


#88
1,4-Dichlorobenzene
Concen: 46.416 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion:146 Resp: 229084

Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.3	63.7
148	64.7	32.4	97.0



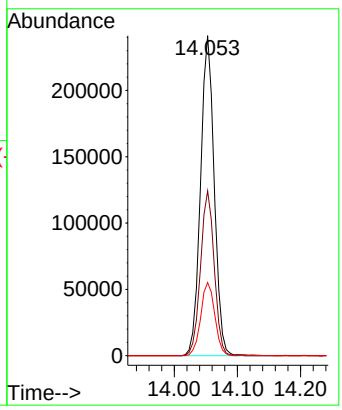


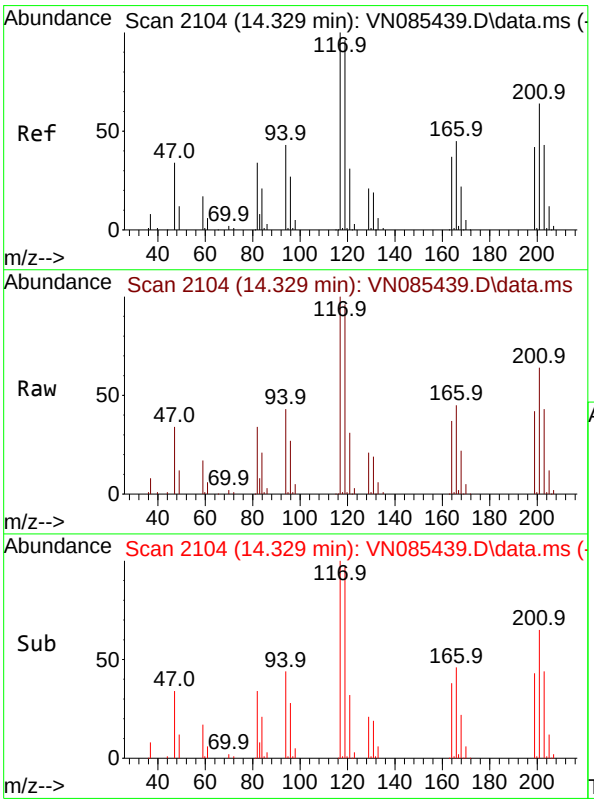
#89
n-Butylbenzene
Concen: 53.348 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 364111

Ion	Ratio	Lower	Upper
91	100		
92	51.5	25.8	77.3
134	23.4	11.7	35.1

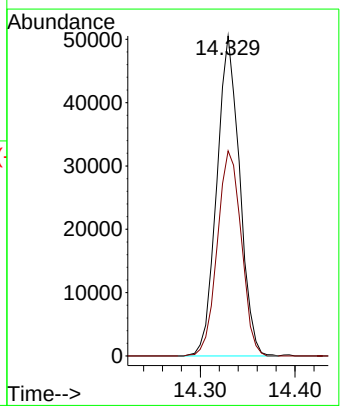


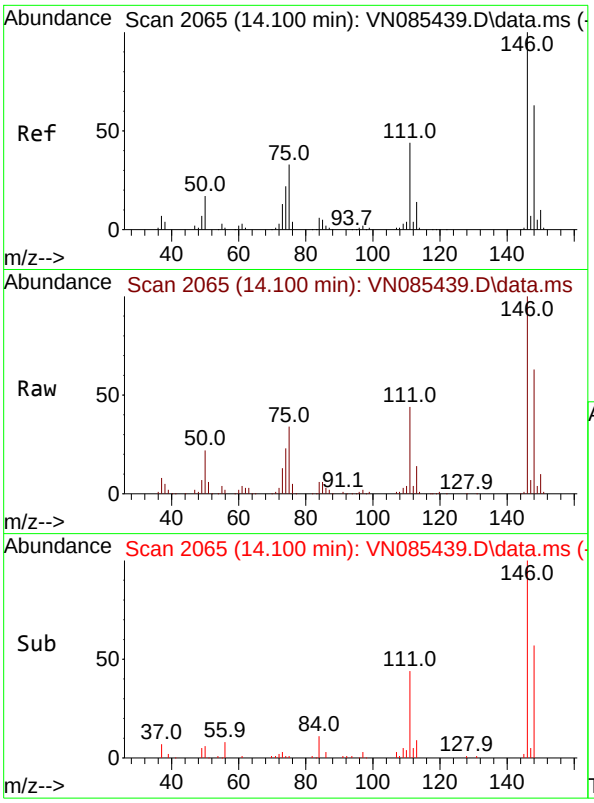


#90
Hexachloroethane
Concen: 46.712 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion:117 Resp: 84602

Ion	Ratio	Lower	Upper
117	100		
201	67.3	33.7	101.0



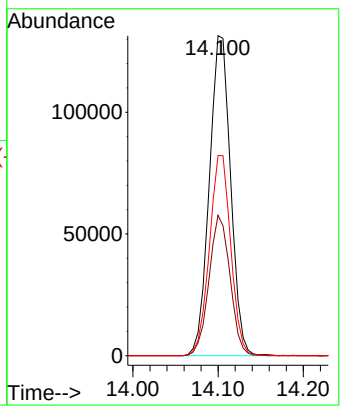


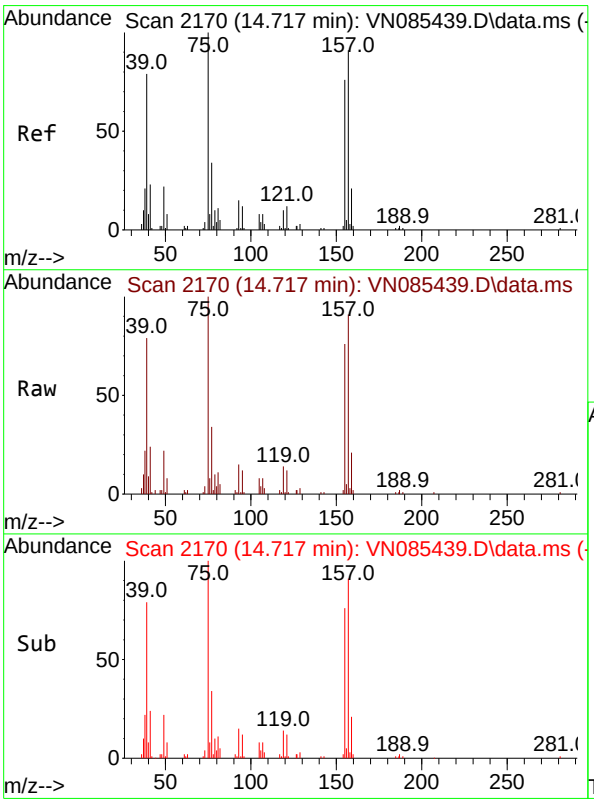
#91
1,2-Dichlorobenzene
Concen: 48.012 ug/l
RT: 14.100 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 228024

Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.7	65.1
148	62.8	31.4	94.2

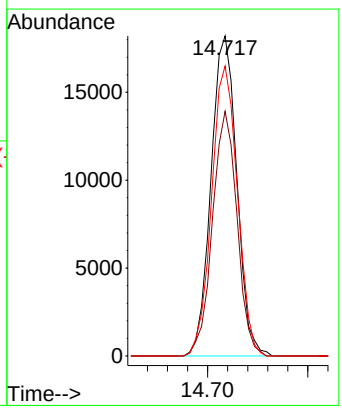


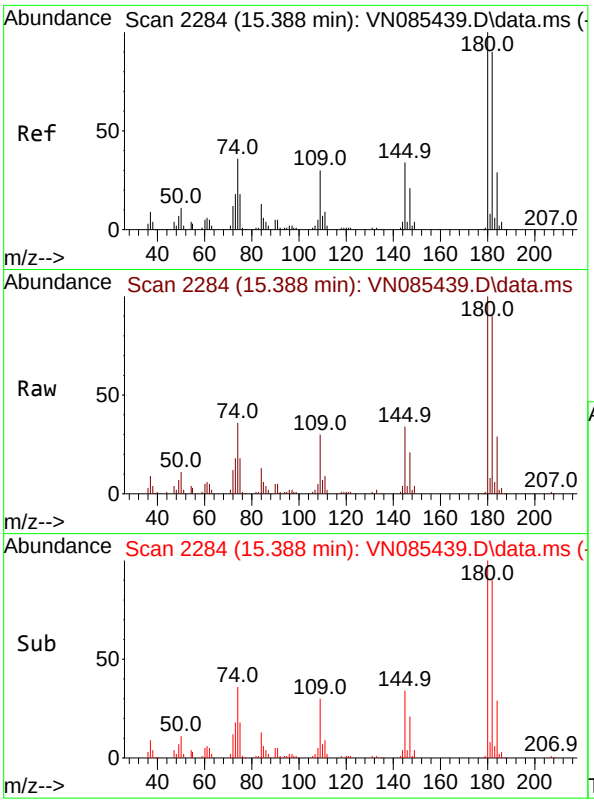


#92
1,2-Dibromo-3-Chloropropane
Concen: 50.971 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion: 75 Resp: 32536

Ion	Ratio	Lower	Upper
75	100		
155	72.8	36.4	109.2
157	90.7	45.4	136.1



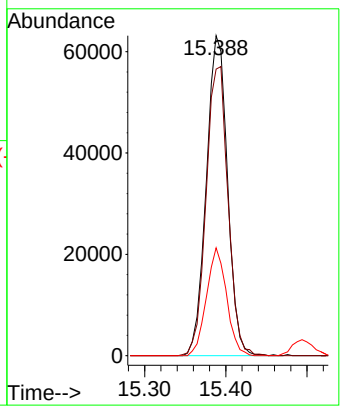


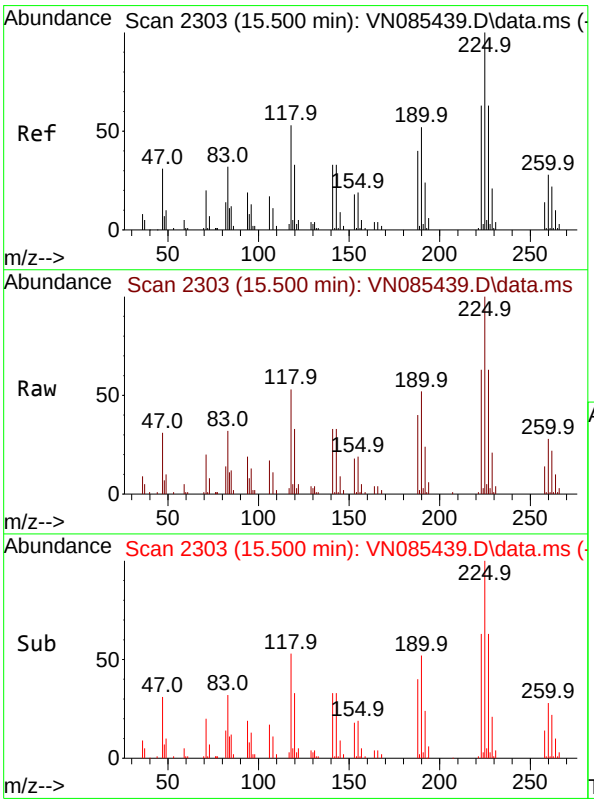
#93
1,2,4-Trichlorobenzene
Concen: 51.857 ug/l
RT: 15.388 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:180 Resp: 114468

Ion	Ratio	Lower	Upper
180	100		
182	93.5	46.8	140.3
145	32.0	16.0	48.0

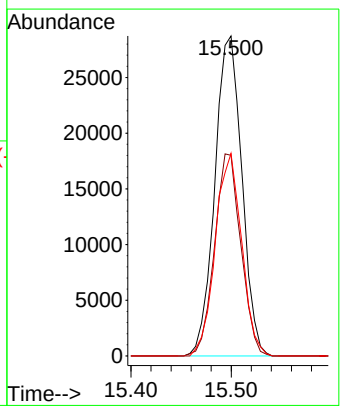


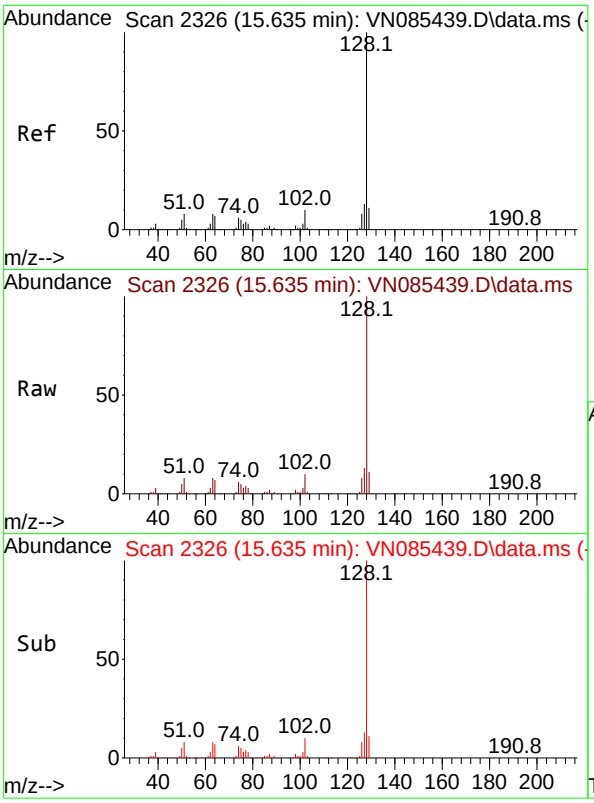


#94
Hexachlorobutadiene
Concen: 45.947 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion:225 Resp: 53846

Ion	Ratio	Lower	Upper
225	100		
223	61.4	30.7	92.1
227	61.7	30.9	92.5



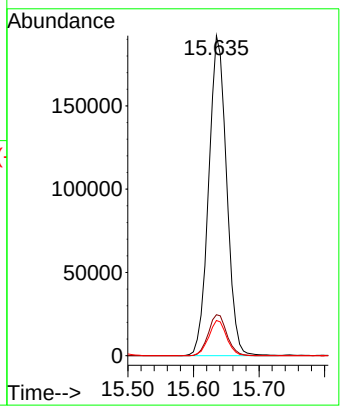


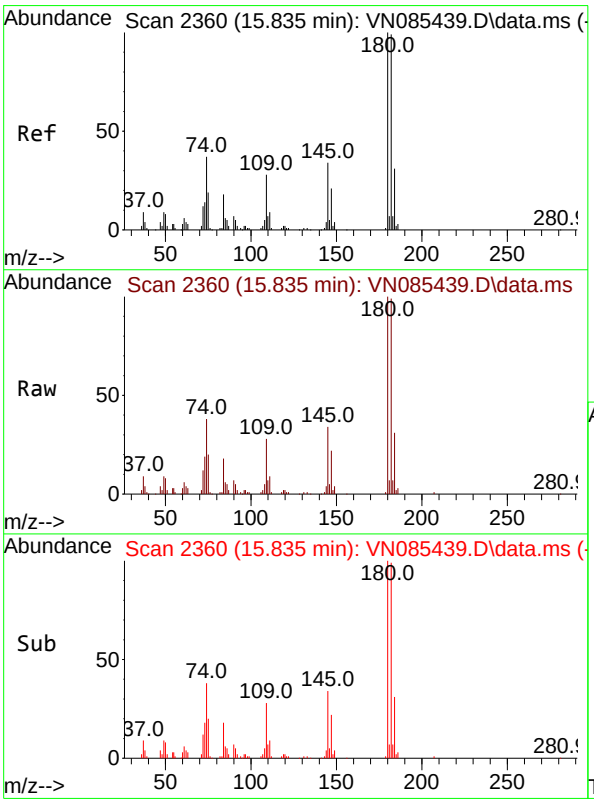
#95
Naphthalene
Concen: 55.243 ug/l
RT: 15.635 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 363882

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	16.0
129	11.0	8.8	13.2

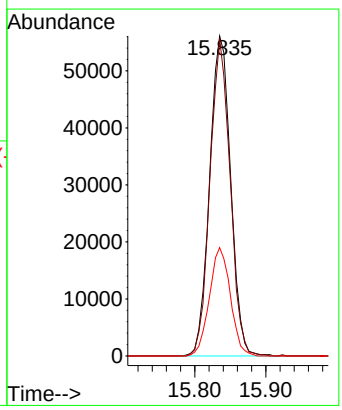




#96
1,2,3-Trichlorobenzene
Concen: 51.601 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN085439.D
Acq: 14 Jan 2025 15:19

Tgt Ion:180 Resp: 115251

Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.4	142.2
145	33.8	16.9	50.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085440.D
Acq On : 14 Jan 2025 15:43
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Quant Time: Jan 15 01:43:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	200796	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	340593	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	296298	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	143526	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	60593	18.694	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	37.380%#		
35) Dibromofluoromethane	8.165	113	45655	19.322	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	38.640%#		
50) Toluene-d8	10.559	98	164391	19.581	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	39.160%#		
62) 4-Bromofluorobenzene	12.847	95	55798	19.430	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	38.860%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	54666	20.107	ug/l	98
3) Chloromethane	2.359	50	58426	19.848	ug/l	100
4) Vinyl Chloride	2.512	62	58403	19.739	ug/l	99
5) Bromomethane	2.954	94	36440	20.389	ug/l	94
6) Chloroethane	3.118	64	37594	20.041	ug/l	93
7) Trichlorofluoromethane	3.501	101	88121	20.526	ug/l	99
8) Diethyl Ether	3.965	74	29138	19.647	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	48933	20.237	ug/l	99
10) Methyl Iodide	4.589	142	56567	20.428	ug/l	93
11) Tert butyl alcohol	5.506	59	37984	102.342	ug/l	100
12) 1,1-Dichloroethene	4.342	96	44670	20.728	ug/l	95
13) Acrolein	4.171	56	49649	97.995	ug/l	99
14) Allyl chloride	5.024	41	67705	19.362	ug/l	96
15) Acrylonitrile	5.712	53	121626	103.171	ug/l	99
16) Acetone	4.424	43	101065	96.502	ug/l	96
17) Carbon Disulfide	4.712	76	132300	19.939	ug/l	98
18) Methyl Acetate	5.018	43	60873	19.115	ug/l	99
19) Methyl tert-butyl Ether	5.795	73	148847	21.272	ug/l	100
20) Methylene Chloride	5.271	84	52813	20.370	ug/l	97
21) trans-1,2-Dichloroethene	5.789	96	46115	20.023	ug/l	98
22) Diisopropyl ether	6.671	45	166719	21.480	ug/l	97
23) Vinyl Acetate	6.594	43	666942	122.364	ug/l	99
24) 1,1-Dichloroethane	6.565	63	96875	20.469	ug/l #	96
25) 2-Butanone	7.477	43	159952	103.786	ug/l	98
26) 2,2-Dichloropropane	7.483	77	79145	20.684	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	57454	21.180	ug/l	98
28) Bromochloromethane	7.812	49	41181	18.703	ug/l	99
29) Tetrahydrofuran	7.836	42	104792	107.247	ug/l	99
30) Chloroform	7.959	83	99655	20.374	ug/l	99
31) Cyclohexane	8.253	56	82980	20.173	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	87659	20.431	ug/l	98
36) 1,1-Dichloropropene	8.371	75	67949	20.490	ug/l	98
37) Ethyl Acetate	7.553	43	66443	19.850	ug/l	96
38) Carbon Tetrachloride	8.359	117	78842	20.767	ug/l	96
39) Methylcyclohexane	9.594	83	65012	20.862	ug/l	96
40) Benzene	8.600	78	207985	20.873	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085440.D
Acq On : 14 Jan 2025 15:43
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Quant Time: Jan 15 01:43:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	36578	21.004	ug/l		99
42) 1,2-Dichloroethane	8.665	62	78402	20.891	ug/l		99
43) Isopropyl Acetate	8.683	43	109131	20.347	ug/l		98
44) Trichloroethene	9.347	130	48009	20.699	ug/l		96
45) 1,2-Dichloropropane	9.618	63	52833	20.758	ug/l		93
46) Dibromomethane	9.700	93	37721	20.540	ug/l		98
47) Bromodichloromethane	9.882	83	78918	21.093	ug/l		96
48) Methyl methacrylate	9.677	41	50224	20.808	ug/l		96
49) 1,4-Dioxane	9.688	88	17140	421.686	ug/l		95
51) 4-Methyl-2-Pentanone	10.441	43	336911	108.249	ug/l		100
52) Toluene	10.630	92	125172	21.680	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	74129	20.965	ug/l		96
54) cis-1,3-Dichloropropene	10.306	75	81897	21.684	ug/l		99
55) 1,1,2-Trichloroethane	11.012	97	48039	21.025	ug/l		97
56) Ethyl methacrylate	10.871	69	70934	19.649	ug/l		99
57) 1,3-Dichloropropane	11.159	76	84210	21.196	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	153681	105.991	ug/l		100
59) 2-Hexanone	11.194	43	240595	109.863	ug/l		98
60) Dibromochloromethane	11.353	129	56069	20.326	ug/l		96
61) 1,2-Dibromoethane	11.465	107	48465	21.309	ug/l		96
64) Tetrachloroethene	11.100	164	43243	21.408	ug/l		96
65) Chlorobenzene	11.888	112	136809	21.077	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	48370	20.304	ug/l		98
67) Ethyl Benzene	11.959	91	229978	21.753	ug/l		98
68) m/p-Xylenes	12.071	106	177755	45.494	ug/l		100
69) o-Xylene	12.394	106	84548	22.643	ug/l		98
70) Styrene	12.412	104	140581	22.749	ug/l		99
71) Bromoform	12.576	173	36961	21.683	ug/l	#	96
73) Isopropylbenzene	12.694	105	211354	21.819	ug/l		100
74) N-amyl acetate	12.494	43	94292	21.656	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	68151	19.917	ug/l		99
76) 1,2,3-Trichloropropane	12.988	75	90004	30.902	ug/l		46
77) Bromobenzene	12.976	156	52022	20.556	ug/l		99
78) n-propylbenzene	13.035	91	252610	22.028	ug/l		100
79) 2-Chlorotoluene	13.123	91	158511	21.358	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	180294	22.533	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	25146	23.322	ug/l	#	82
82) 4-Chlorotoluene	13.218	91	161880	21.906	ug/l		100
83) tert-Butylbenzene	13.435	119	147541	21.958	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	183144	22.965	ug/l		99
85) sec-Butylbenzene	13.612	105	209133	22.457	ug/l		100
86) p-Isopropyltoluene	13.729	119	168888	21.661	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	97652	20.952	ug/l		100
88) 1,4-Dichlorobenzene	13.806	146	98321	20.351	ug/l		99
89) n-Butylbenzene	14.053	91	142673	21.355	ug/l		99
90) Hexachloroethane	14.329	117	35205	19.858	ug/l		98
91) 1,2-Dichlorobenzene	14.100	146	94954	20.425	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	12859	20.580	ug/l		100
93) 1,2,4-Trichlorobenzene	15.388	180	45878	21.233	ug/l		99
94) Hexachlorobutadiene	15.500	225	22719	19.805	ug/l		95
95) Naphthalene	15.635	128	134793	20.906	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	45468	20.797	ug/l		97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085440.D
Acq On : 14 Jan 2025 15:43
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Quant Time: Jan 15 01:43:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

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

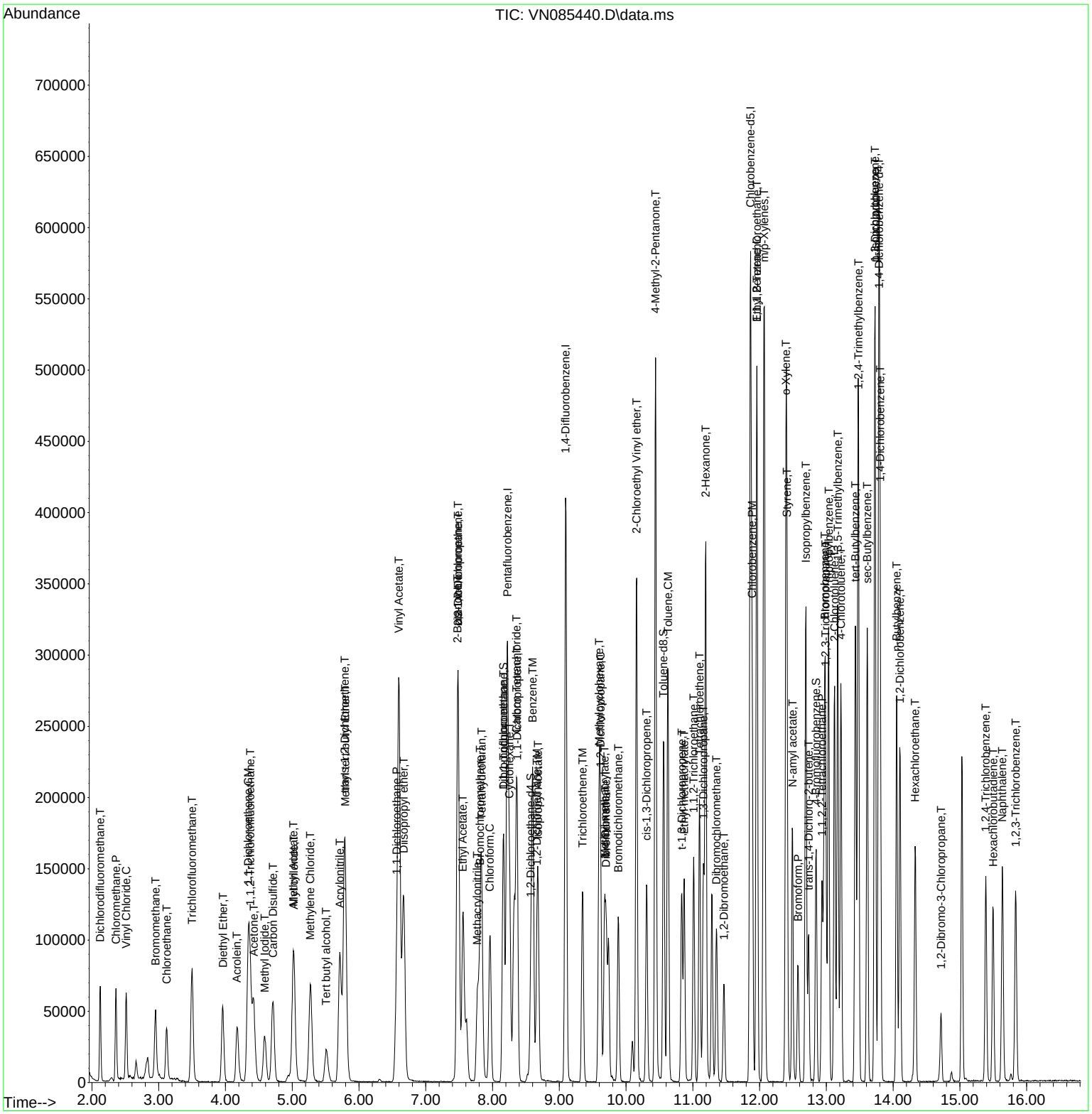
(#) = qualifier out of range (m) = manual integration (+) = signals summed

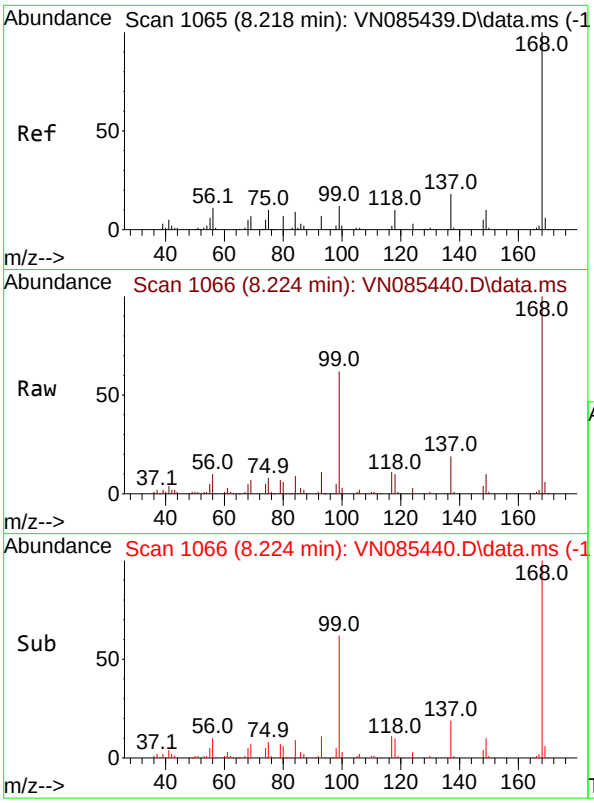
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085440.D
Acq On : 14 Jan 2025 15:43
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Quant Time: Jan 15 01:43:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration



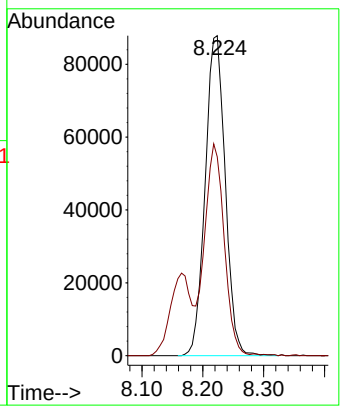


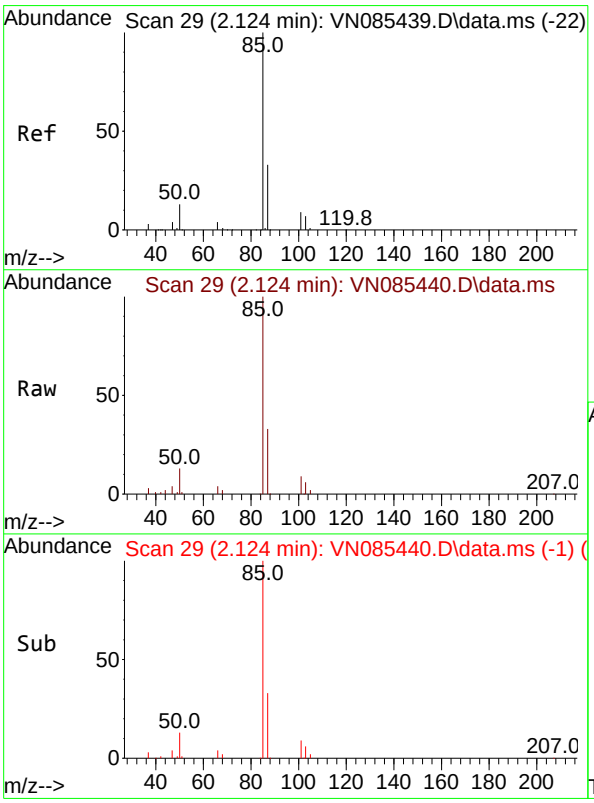
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:168 Resp: 200796

Ion	Ratio	Lower	Upper
168	100		
99	62.2	53.6	80.4

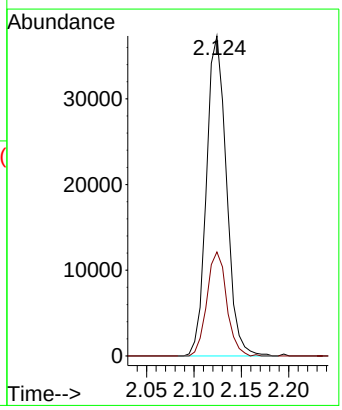


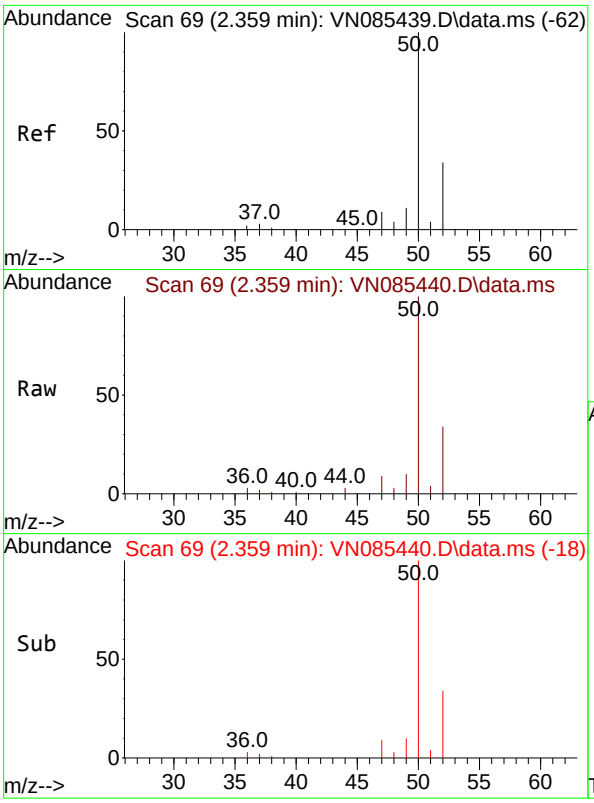


#2
Dichlorodifluoromethane
Concen: 20.107 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 85 Resp: 54666

Ion	Ratio	Lower	Upper
85	100		
87	32.5	16.7	50.1



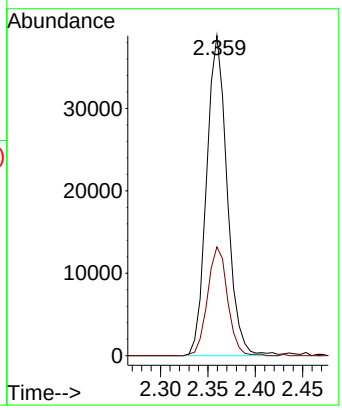


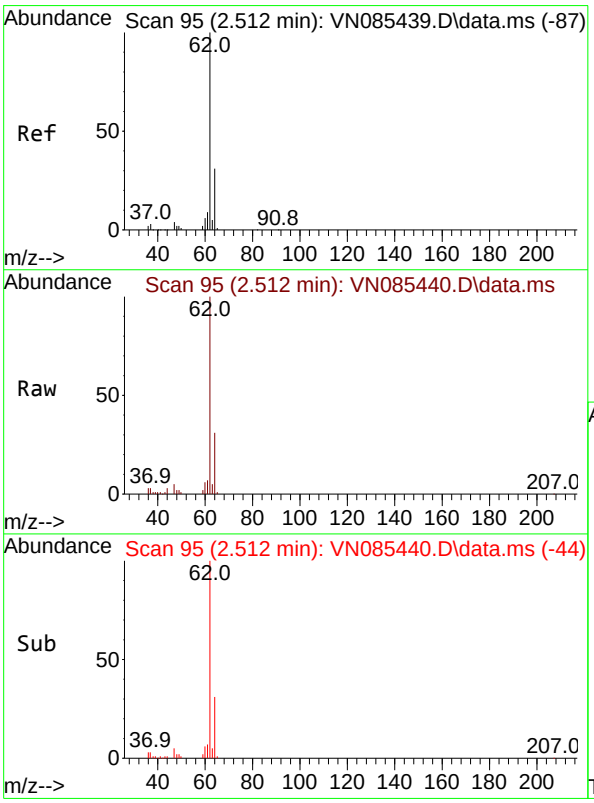
#3
Chloromethane
Concen: 19.848 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 58426

Ion	Ratio	Lower	Upper
50	100		
52	34.0	27.0	40.6

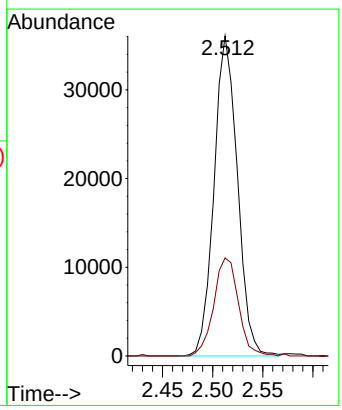


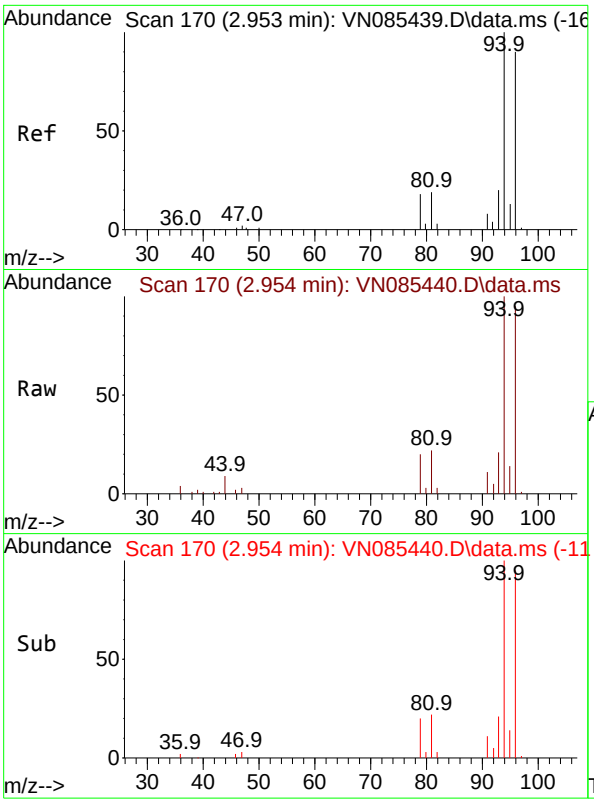


#4
Vinyl Chloride
Concen: 19.739 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 62 Resp: 58403

Ion	Ratio	Lower	Upper
62	100		
64	30.7	24.8	37.2



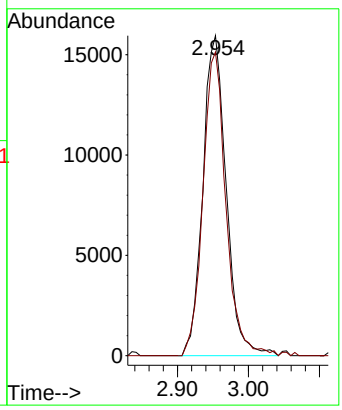


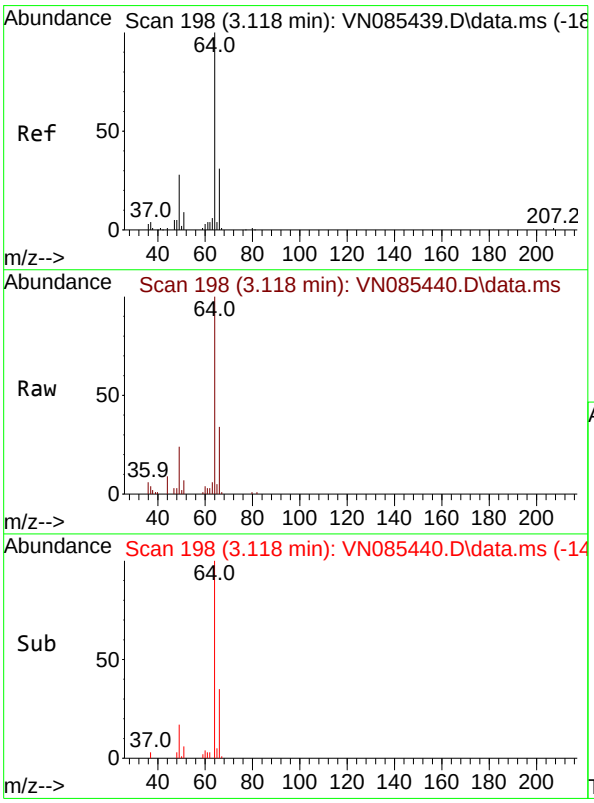
#5
Bromomethane
Concen: 20.389 ug/l
RT: 2.954 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 36440

Ion	Ratio	Lower	Upper
94	100		
96	94.9	71.8	107.6

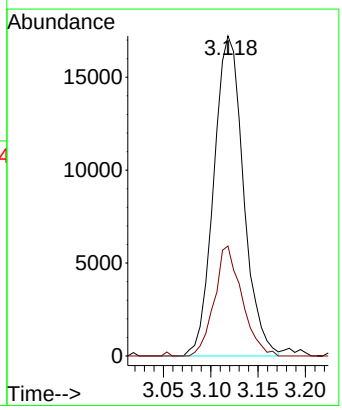


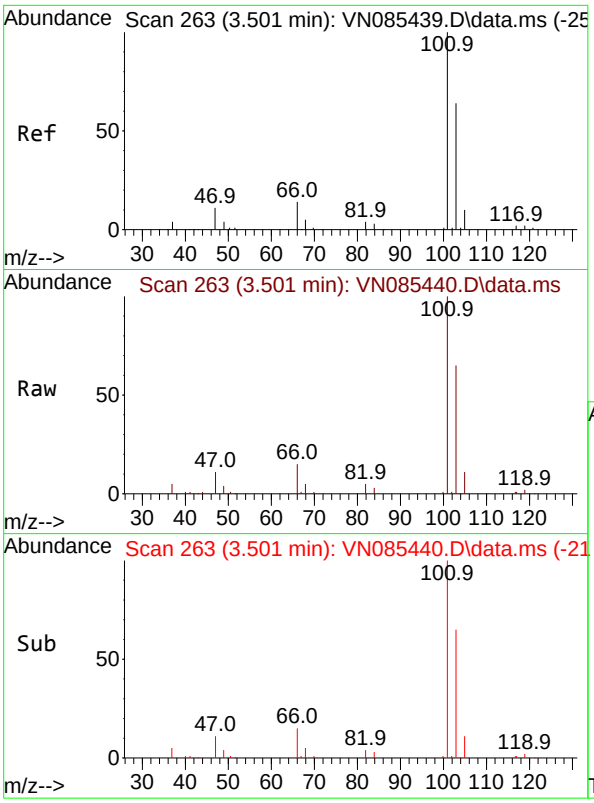


#6
Chloroethane
Concen: 20.041 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 64 Resp: 37594

Ion	Ratio	Lower	Upper
64	100		
66	34.3	24.6	36.8



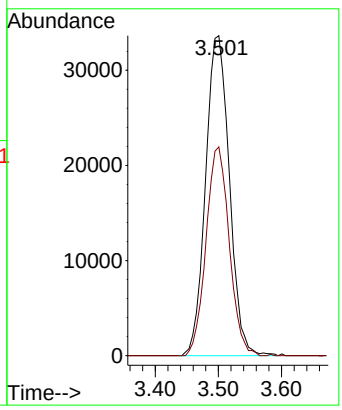


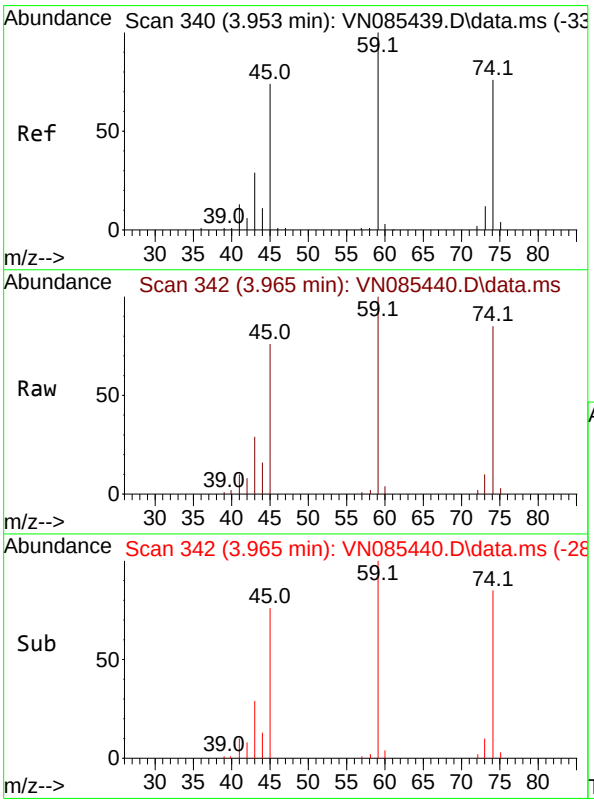
#7
Trichlorofluoromethane
Concen: 20.526 ug/l
RT: 3.501 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 88121

Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.4	77.2

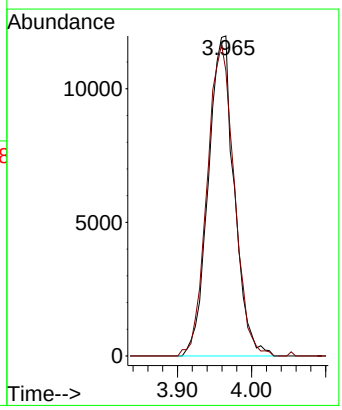


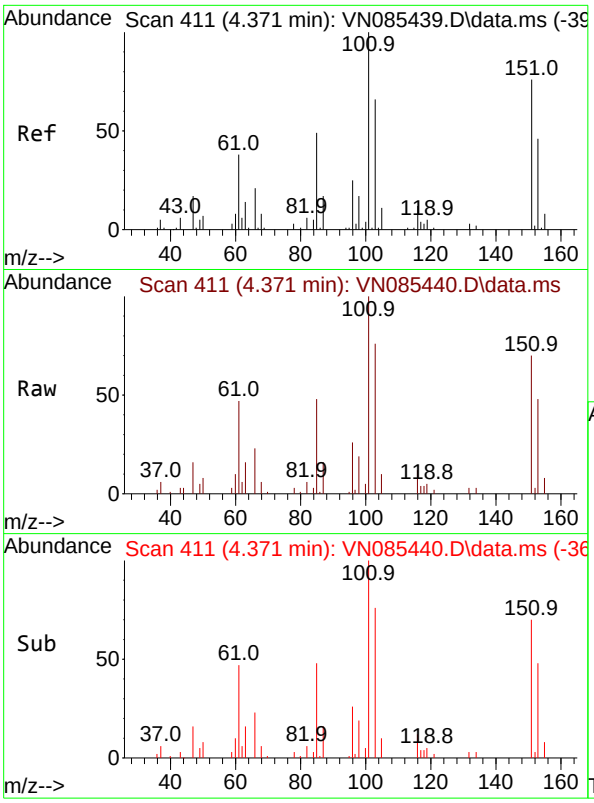


#8
Diethyl Ether
Concen: 19.647 ug/l
RT: 3.965 min Scan# 342
Delta R.T. 0.012 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 74 Resp: 29138

Ion	Ratio	Lower	Upper
74	100		
45	101.8	49.7	149.1



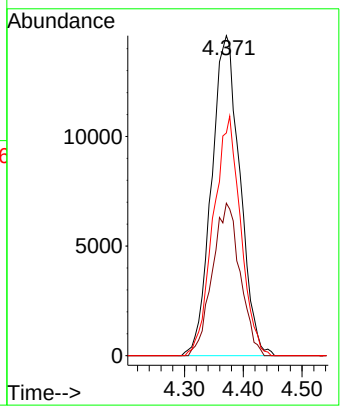


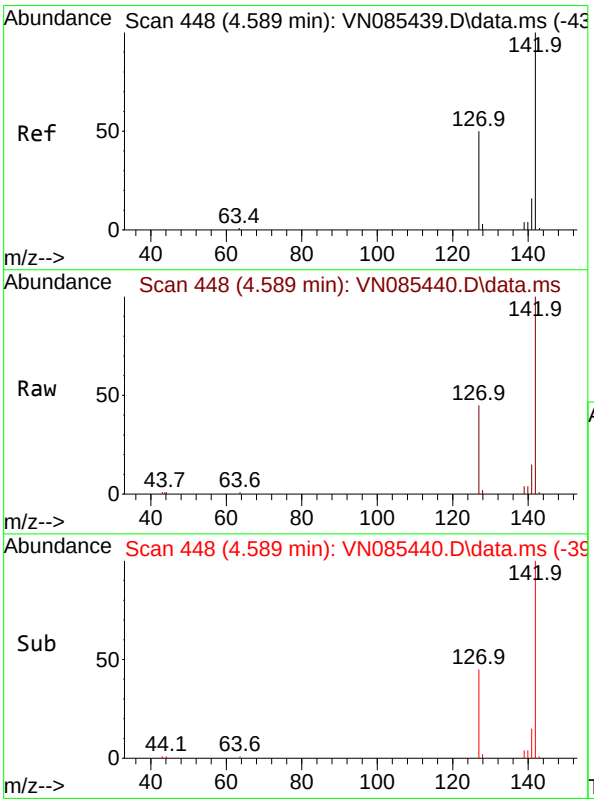
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.237 ug/l
RT: 4.371 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 48933

Ion	Ratio	Lower	Upper
101	100		
85	46.6	37.8	56.8
151	72.1	58.8	88.2

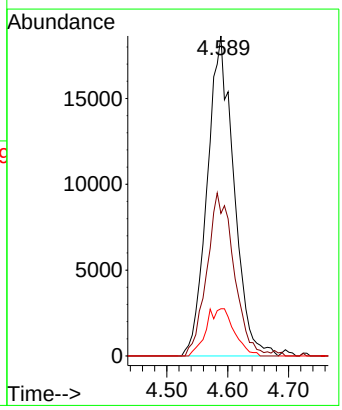


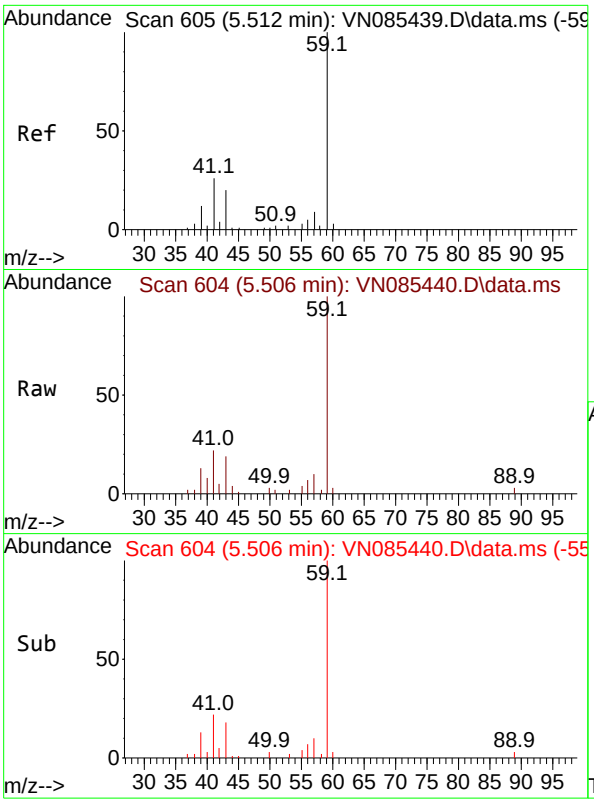


#10
Methyl Iodide
Concen: 20.428 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion:142 Resp: 56567

Ion	Ratio	Lower	Upper
142	100		
127	44.6	40.3	60.5
141	14.8	12.8	19.2



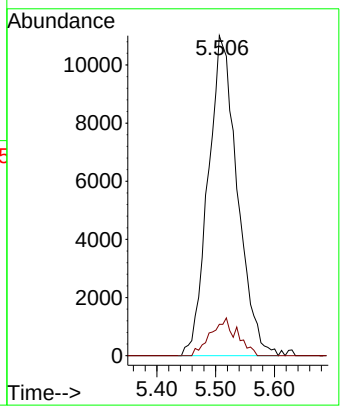


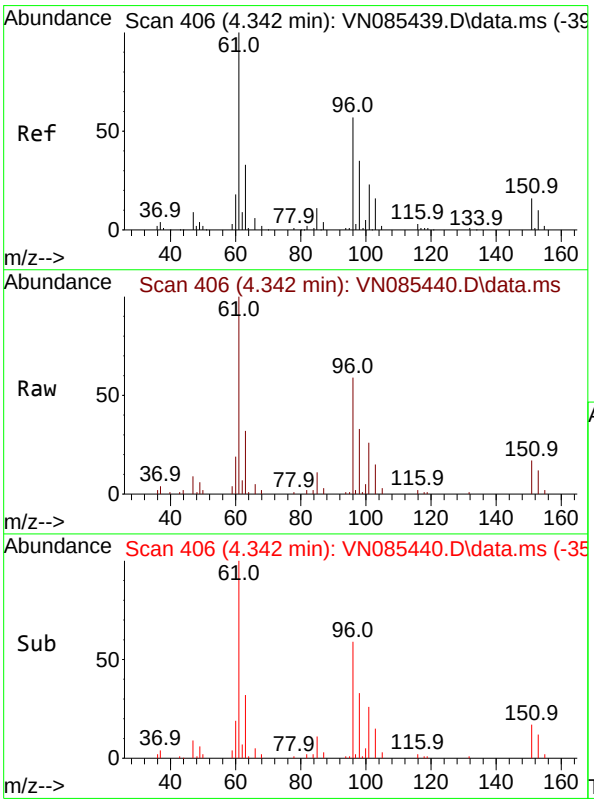
#11
Tert butyl alcohol
Concen: 102.342 ug/l
RT: 5.506 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 59 Resp: 37984

Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.6	13.0

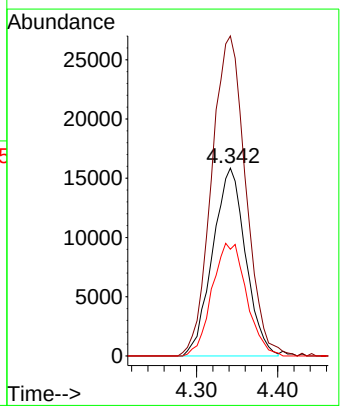


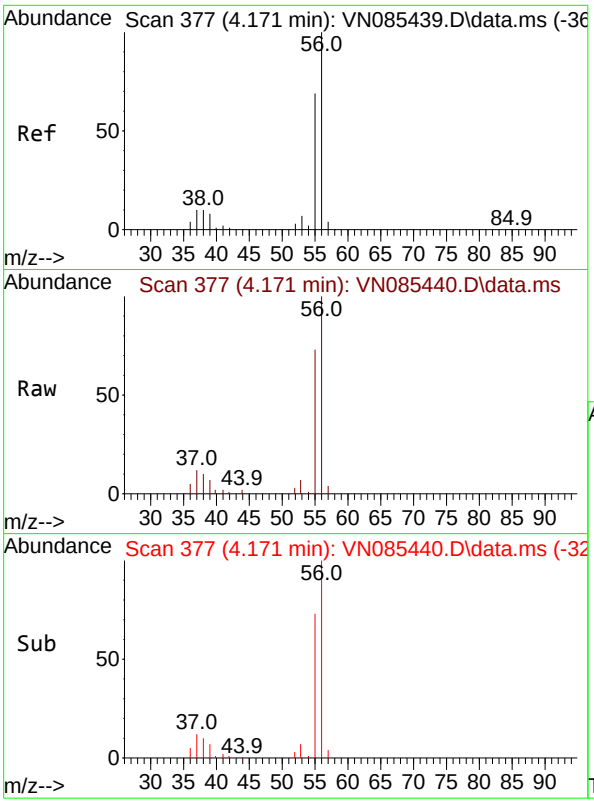


#12
1,1-Dichloroethene
Concen: 20.728 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 96 Resp: 44670

Ion	Ratio	Lower	Upper
96	100		
61	170.3	141.0	211.4
98	56.8	49.0	73.6



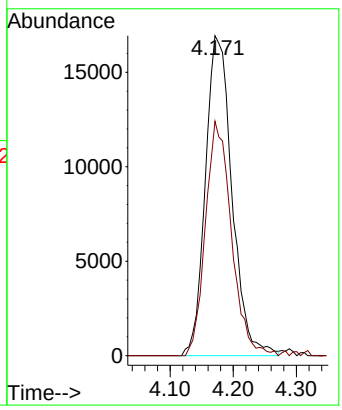


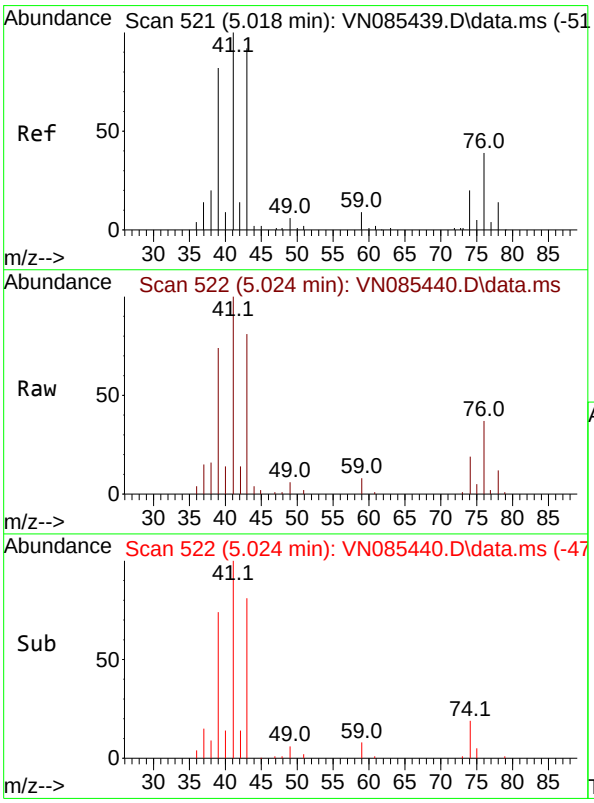
#13
Acrolein
Concen: 97.995 ug/l
RT: 4.171 min Scan# 3
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 49649

Ion	Ratio	Lower	Upper
56	100		
55	71.4	56.3	84.5

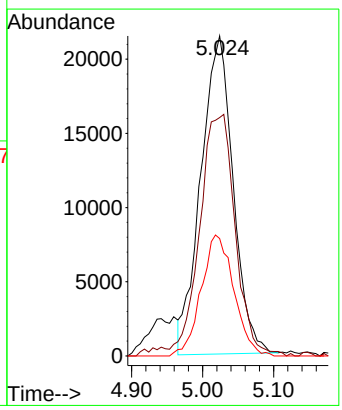


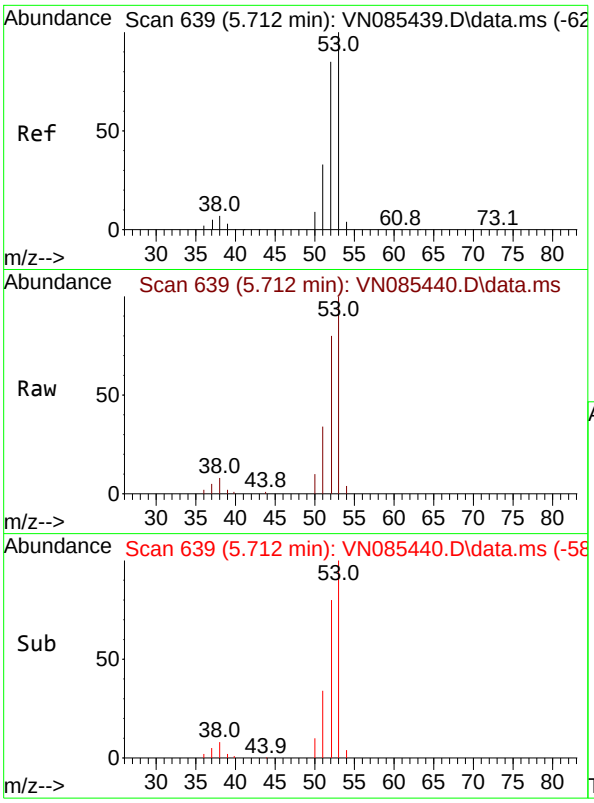


#14
Allyl chloride
Concen: 19.362 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 41 Resp: 67705

Ion	Ratio	Lower	Upper
41	100		
39	85.0	64.4	96.6
76	38.6	30.5	45.7



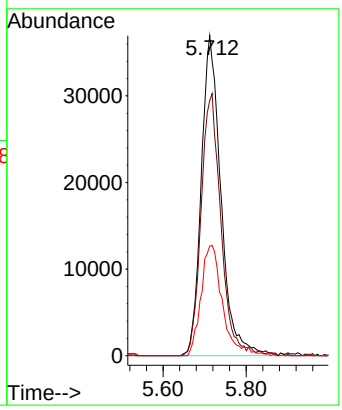


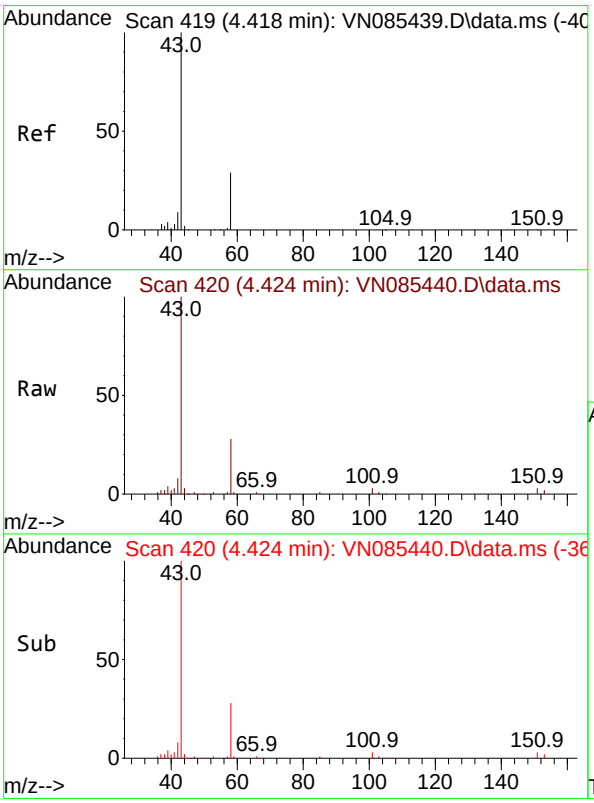
#15
Acrylonitrile
Concen: 103.171 ug/l
RT: 5.712 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 53 Resp: 121626

Ion	Ratio	Lower	Upper
53	100		
52	81.1	65.5	98.3
51	36.1	29.8	44.8

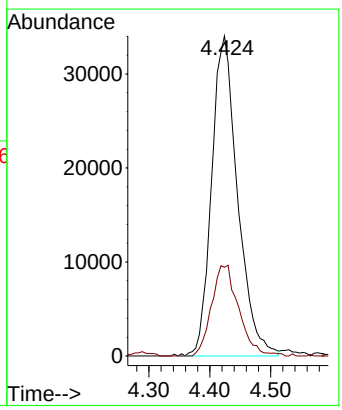


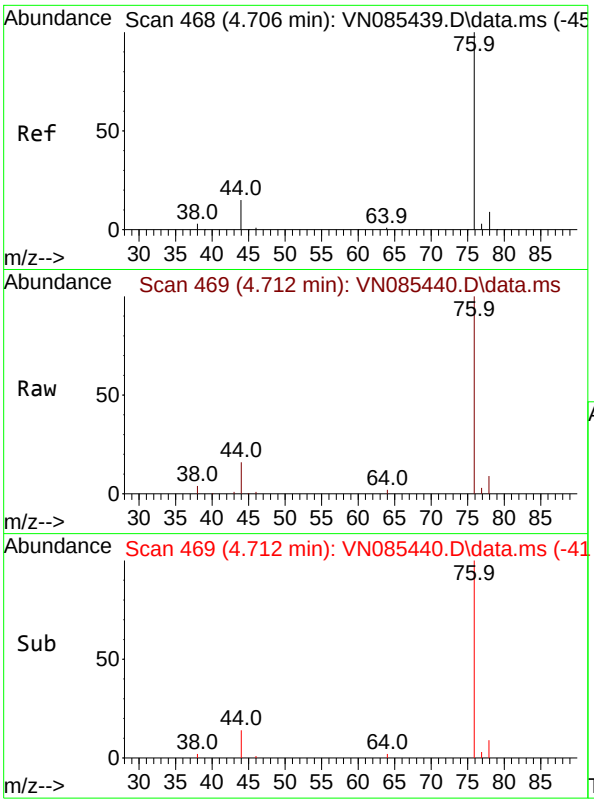


#16
Acetone
Concen: 96.502 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 43 Resp: 101065

Ion	Ratio	Lower	Upper
43	100		
58	27.7	23.8	35.6



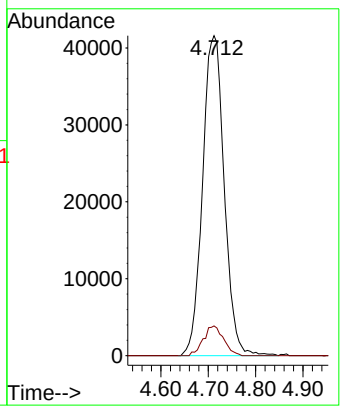


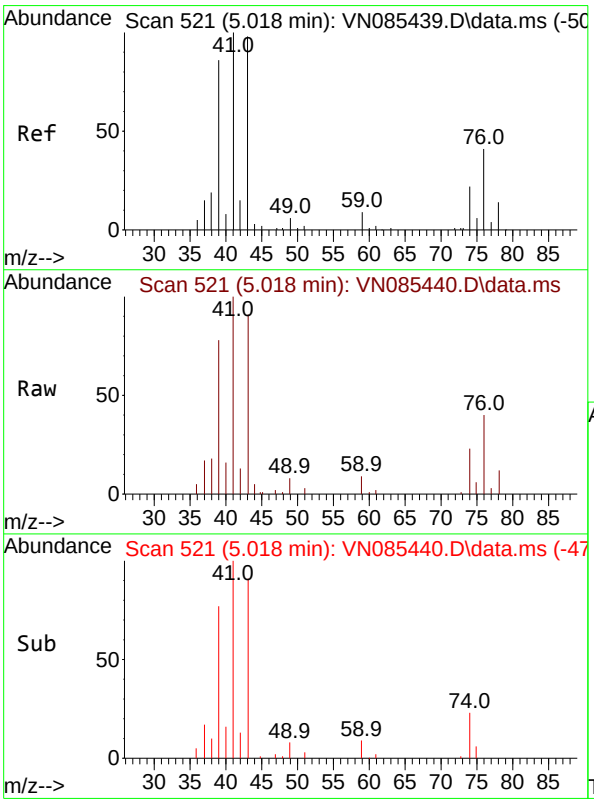
#17
Carbon Disulfide
Concen: 19.939 ug/l
RT: 4.712 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 132300

Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.9	10.3

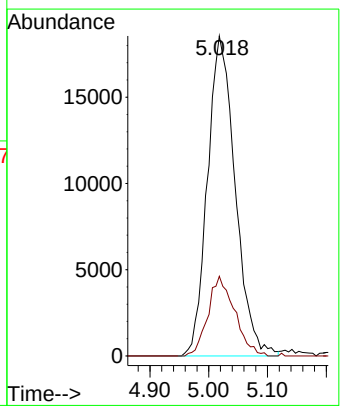


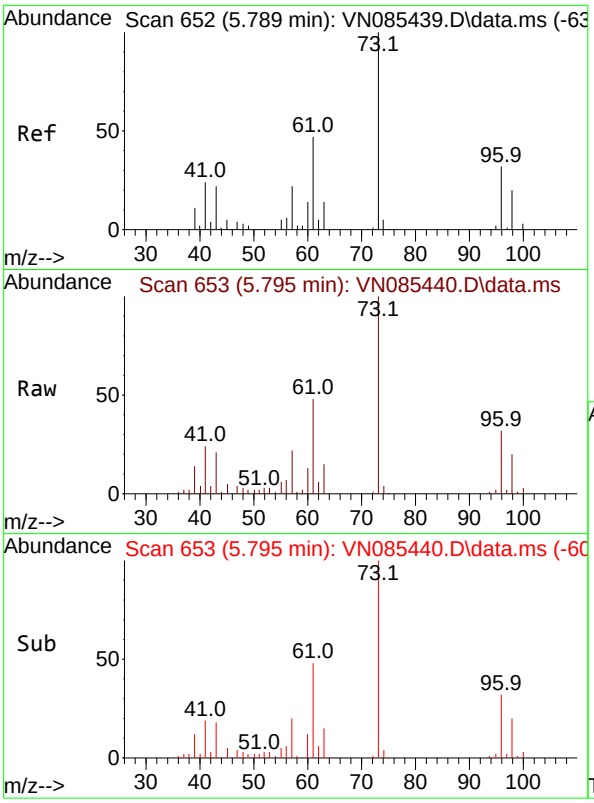


#18
Methyl Acetate
Concen: 19.115 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 43 Resp: 60873

Ion	Ratio	Lower	Upper
43	100		
74	24.0	18.6	28.0



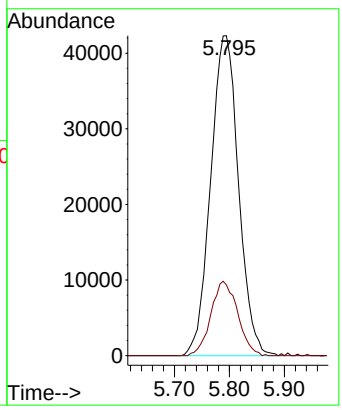


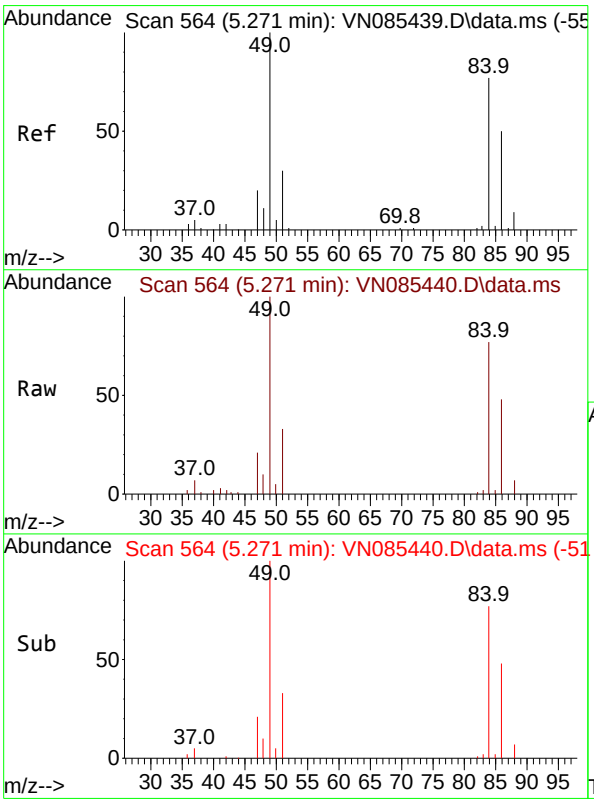
#19
Methyl tert-butyl Ether
Concen: 21.272 ug/l
RT: 5.795 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 148847

Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.8	26.8

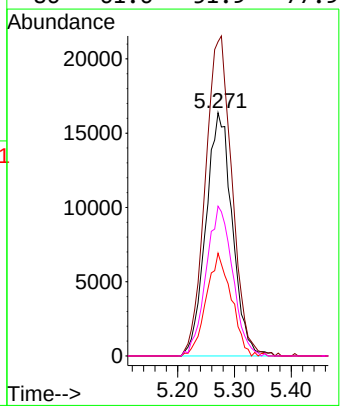


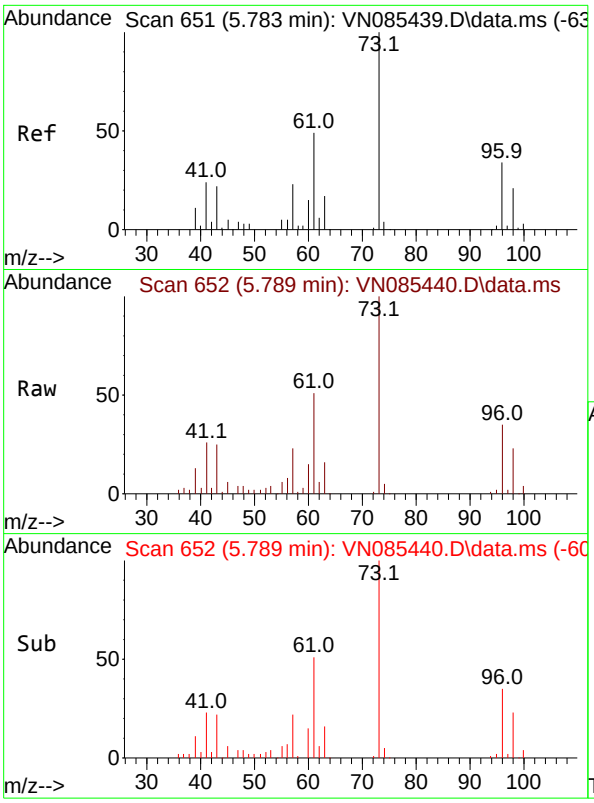


#20
Methylene Chloride
Concen: 20.370 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 84 Resp: 52813

Ion	Ratio	Lower	Upper
84	100		
49	129.2	104.1	156.1
51	42.2	31.0	46.4
86	61.6	51.9	77.9



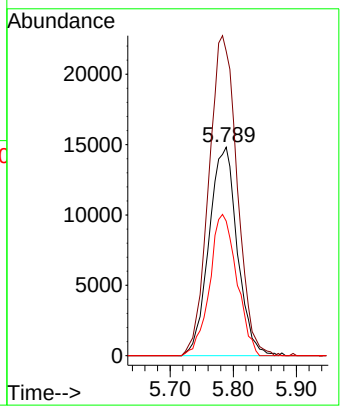


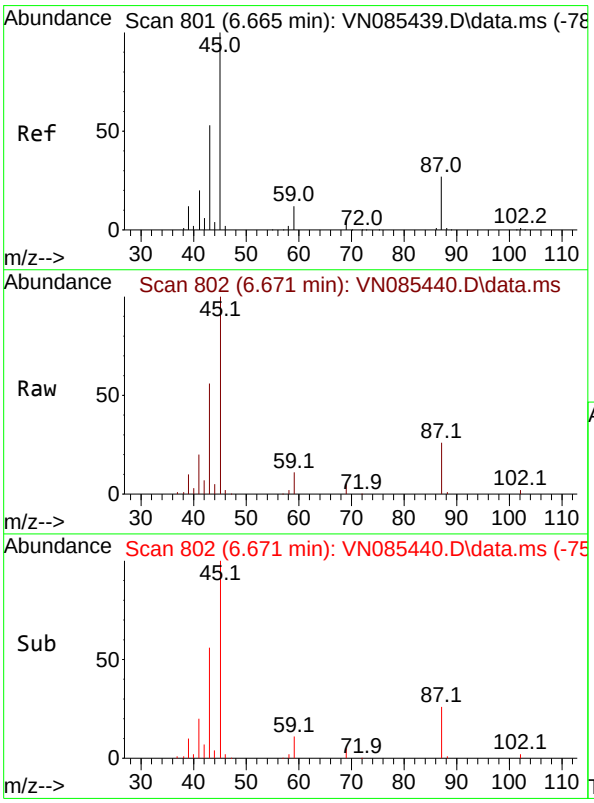
#21
trans-1,2-Dichloroethene
Concen: 20.023 ug/l
RT: 5.789 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 46115

Ion	Ratio	Lower	Upper
96	100		
61	146.1	115.7	173.5
98	64.5	49.8	74.8

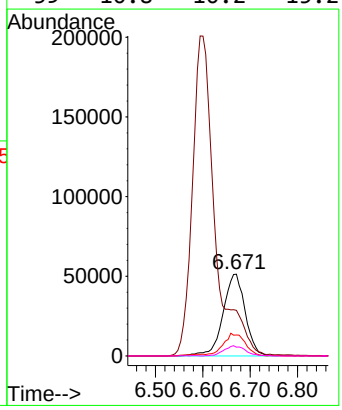


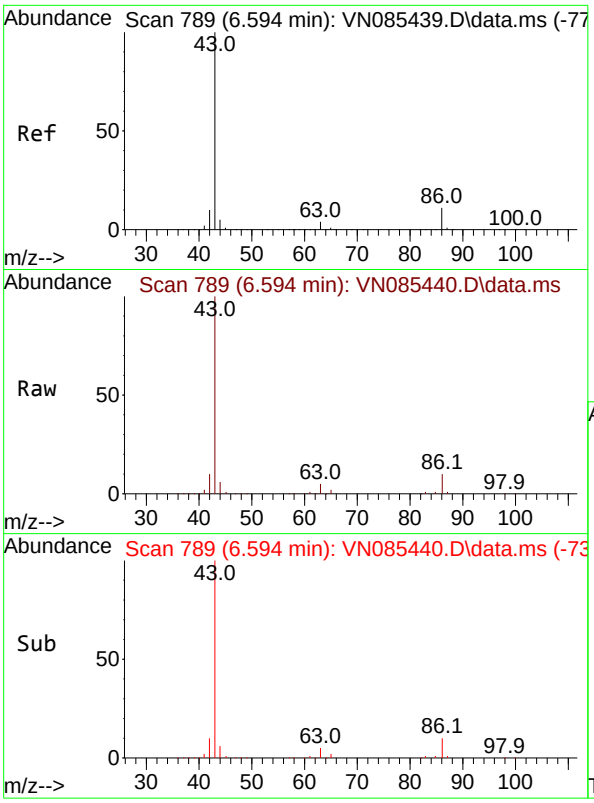


#22
Diisopropyl ether
Concen: 21.480 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.006 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 45 Resp: 166719

Ion	Ratio	Lower	Upper
45	100		
43	54.3	45.0	67.6
87	25.3	21.8	32.8
59	10.8	10.2	15.2



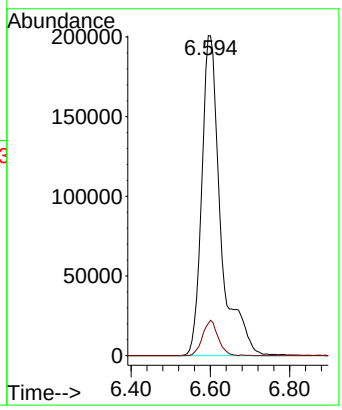


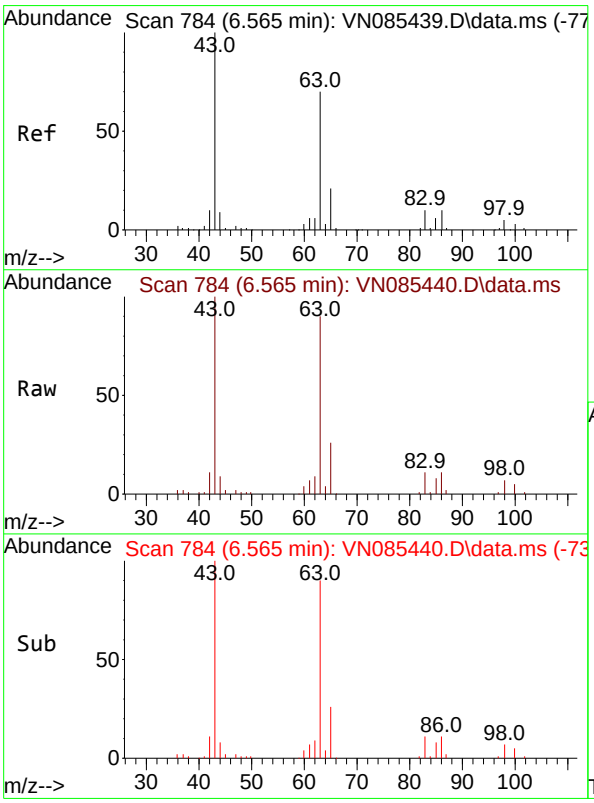
#23
Vinyl Acetate
Concen: 122.364 ug/l
RT: 6.594 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 666942

Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.4	12.6

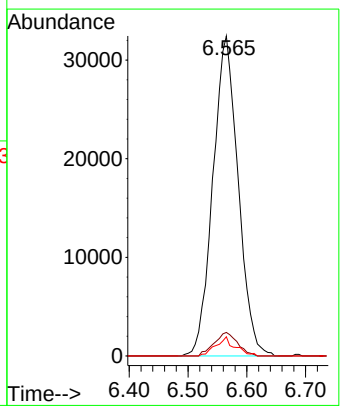


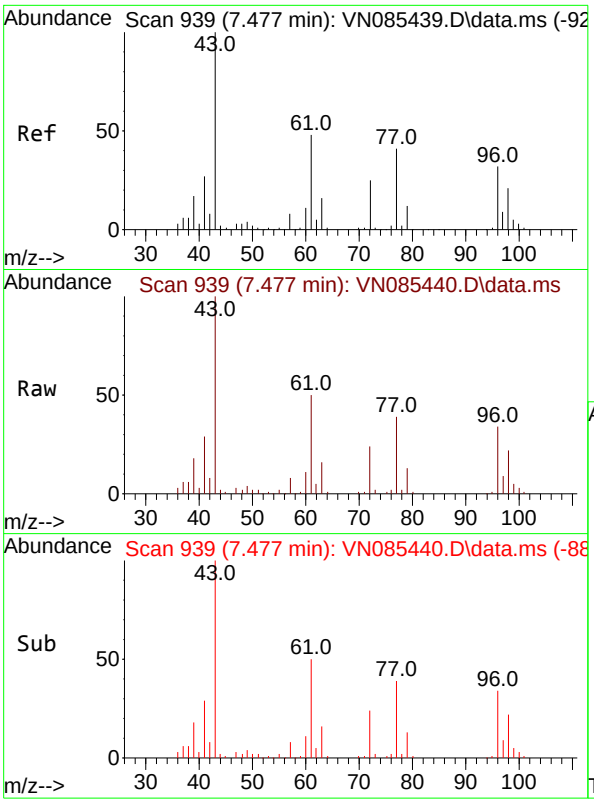


#24
1,1-Dichloroethane
Concen: 20.469 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 63 Resp: 96875

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.3	9.8
100	6.0	2.0	6.0#



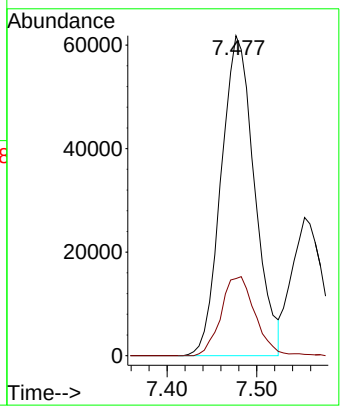


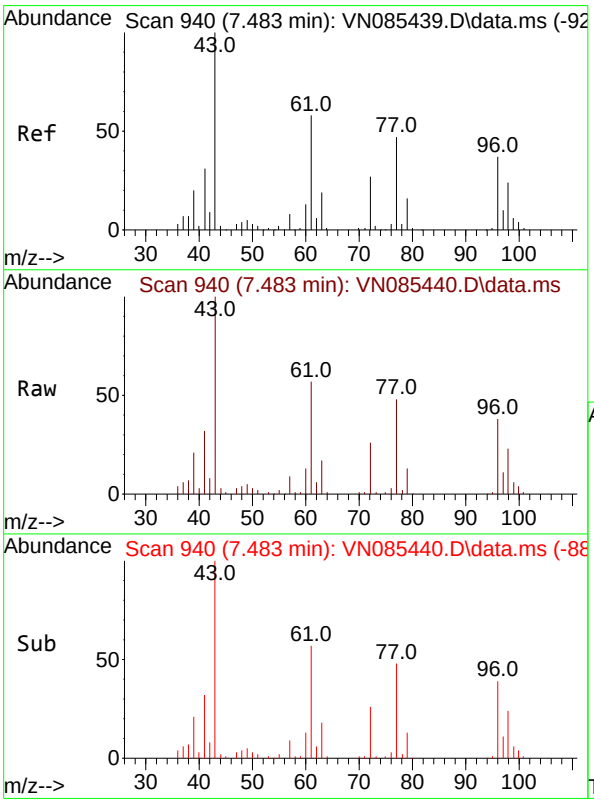
#25
2-Butanone
Concen: 103.786 ug/l
RT: 7.477 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 159952

Ion	Ratio	Lower	Upper
43	100		
72	24.1	20.2	30.4

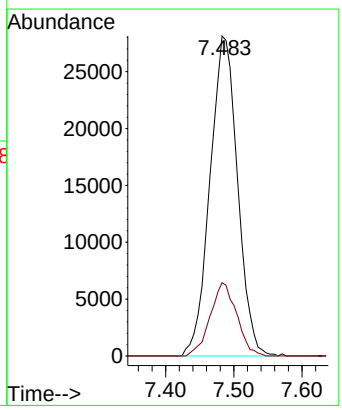


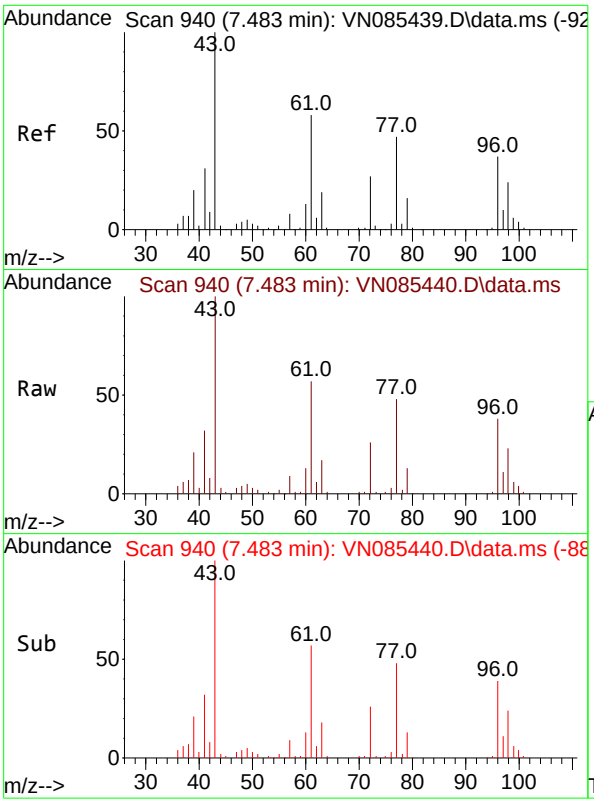


#26
2,2-Dichloropropane
Concen: 20.684 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 77 Resp: 79145

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.7	32.1



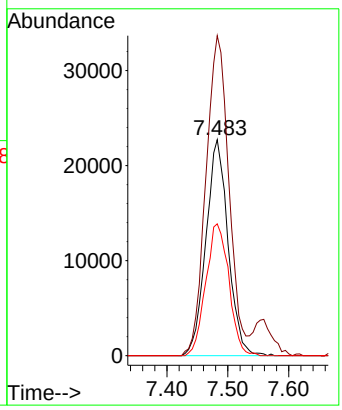


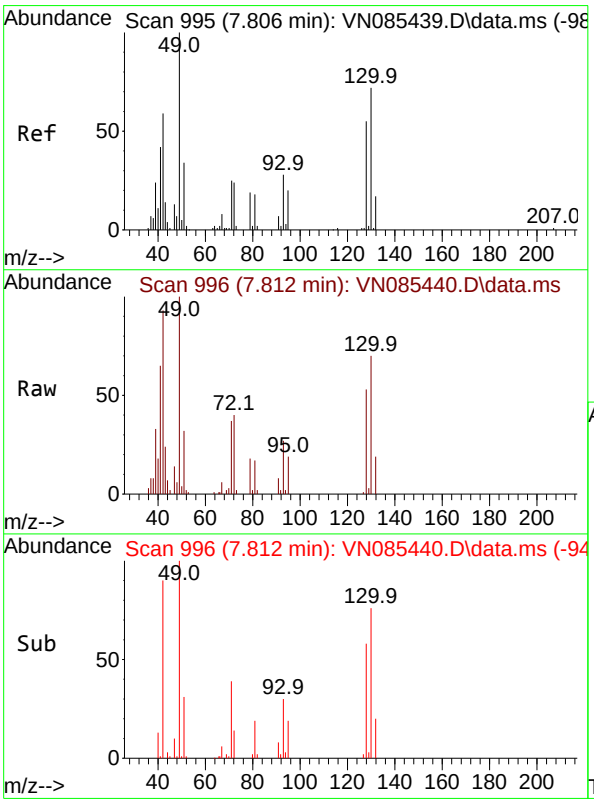
#27
cis-1,2-Dichloroethene
Concen: 21.180 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 57454

Ion	Ratio	Lower	Upper
96	100		
61	153.0	0.0	311.8
98	63.7	0.0	126.0

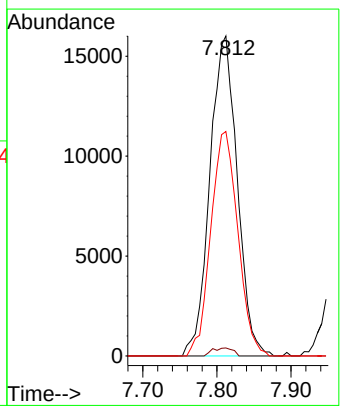


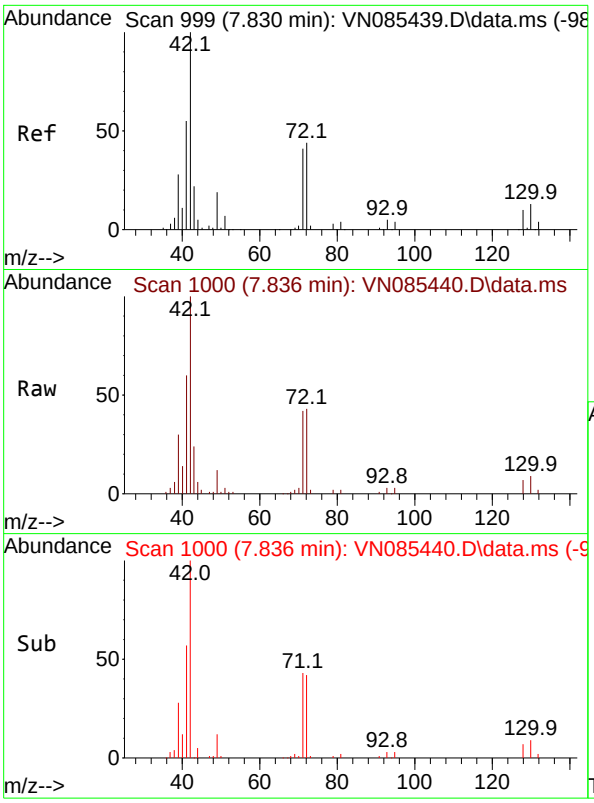


#28
Bromochloromethane
Concen: 18.703 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 49 Resp: 41181

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.4
130	69.3	55.0	82.4



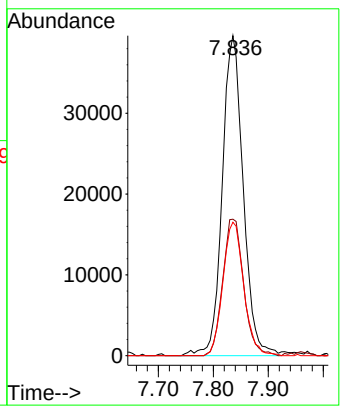


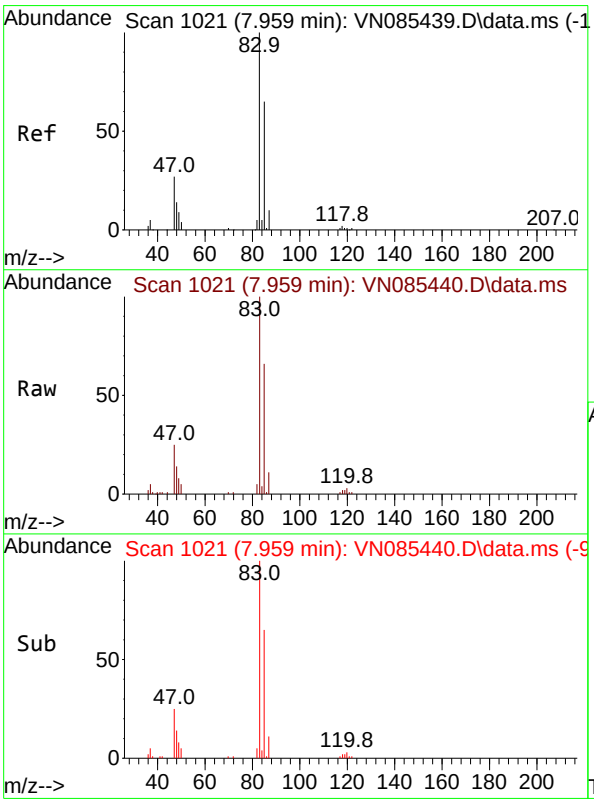
#29
Tetrahydrofuran
Concen: 107.247 ug/l
RT: 7.836 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 42 Resp: 104792

Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.2	51.2
71	41.4	32.5	48.7

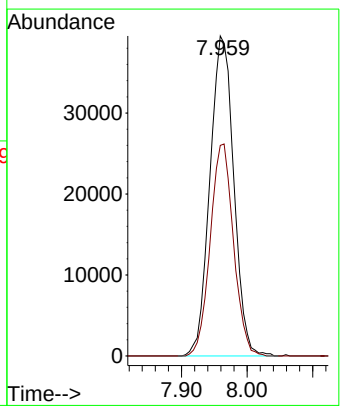


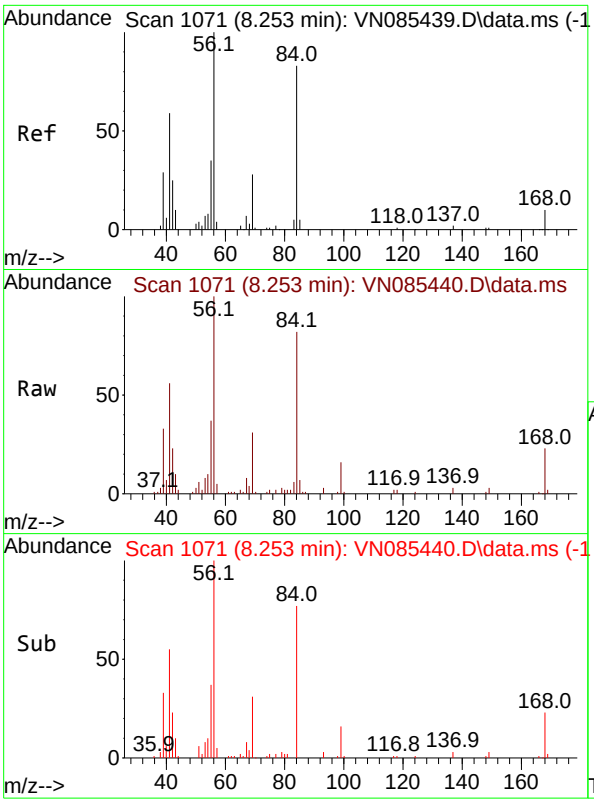


#30
Chloroform
Concen: 20.374 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 83 Resp: 99655

Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.8	77.6



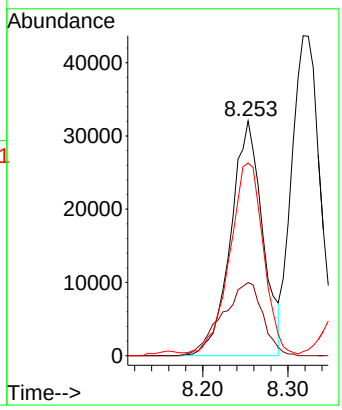


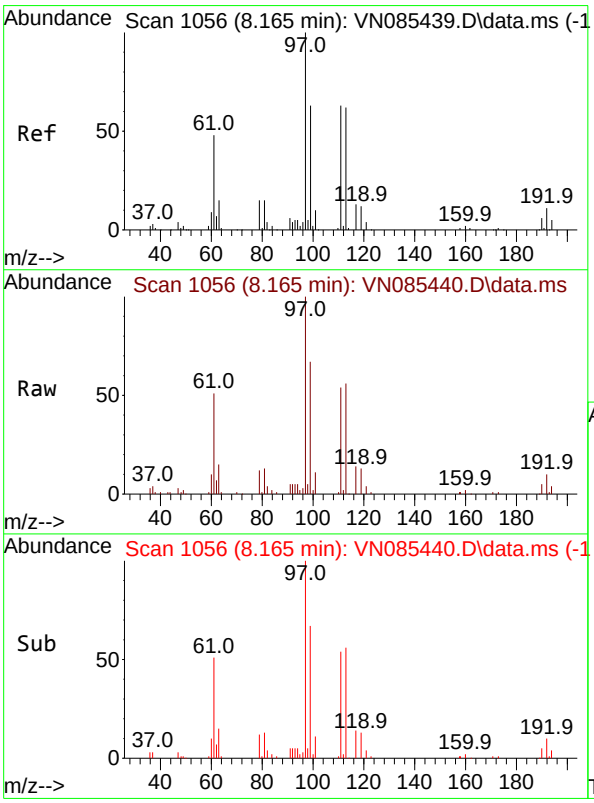
#31
Cyclohexane
Concen: 20.173 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 82980

Ion	Ratio	Lower	Upper
56	100		
69	31.2	22.2	33.4
84	80.8	66.4	99.6

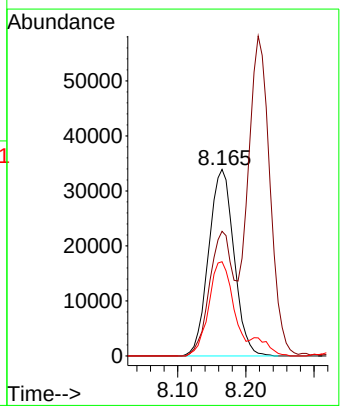


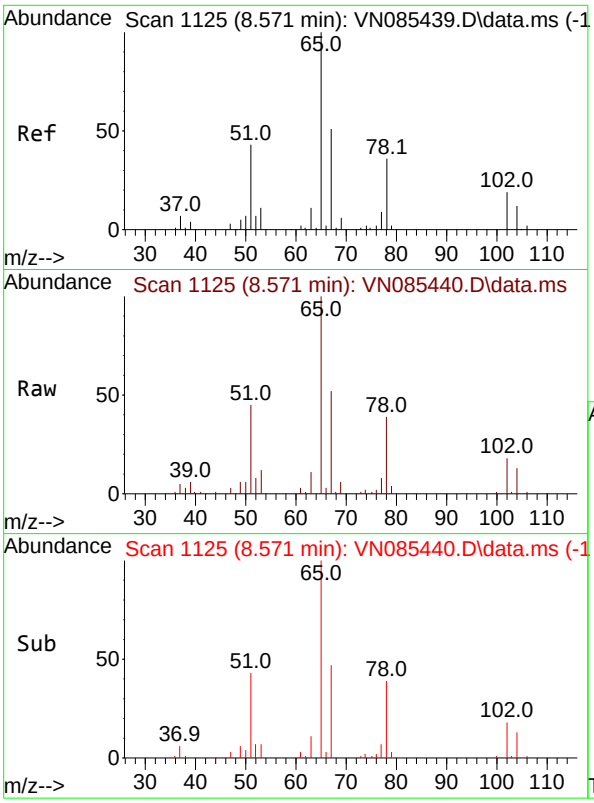


#32
1,1,1-Trichloroethane
Concen: 20.431 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 97 Resp: 87659

Ion	Ratio	Lower	Upper
97	100		
99	64.2	49.8	74.6
61	50.3	41.4	62.2



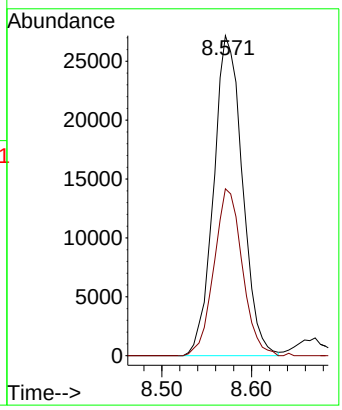


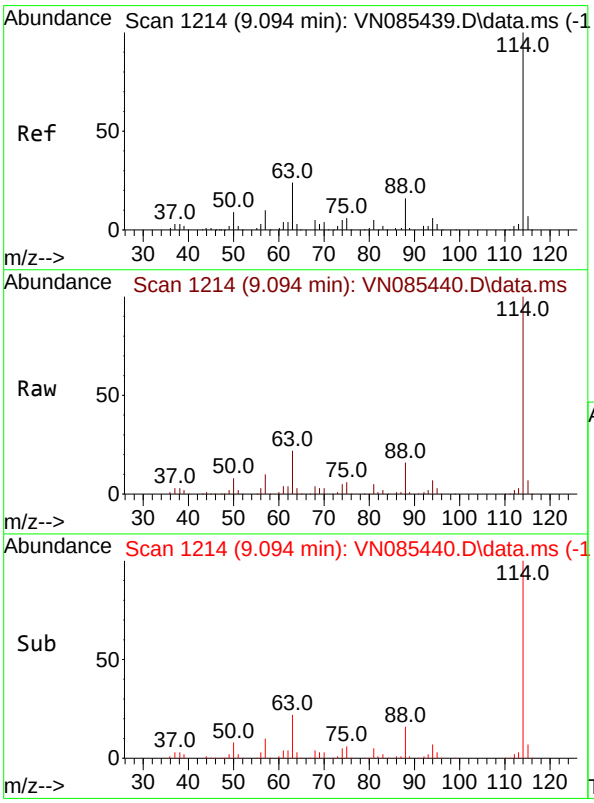
#33
1,2-Dichloroethane-d4
Concen: 18.694 ug/l
RT: 8.571 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 65 Resp: 60593

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	101.6

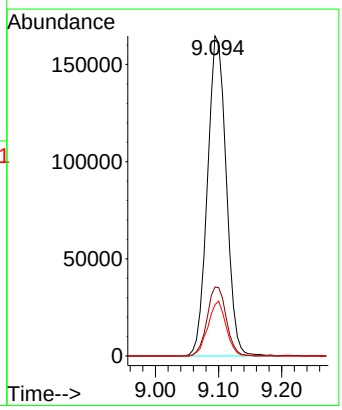


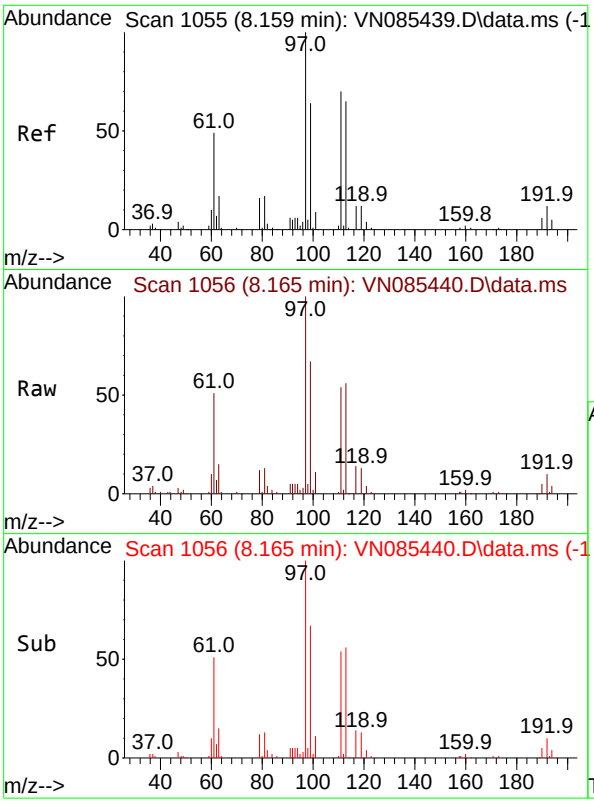


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion:114 Resp: 340593

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	47.6
88	16.0	0.0	32.6



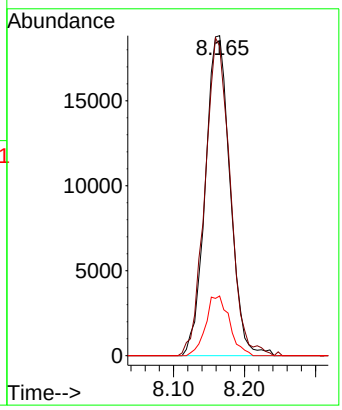


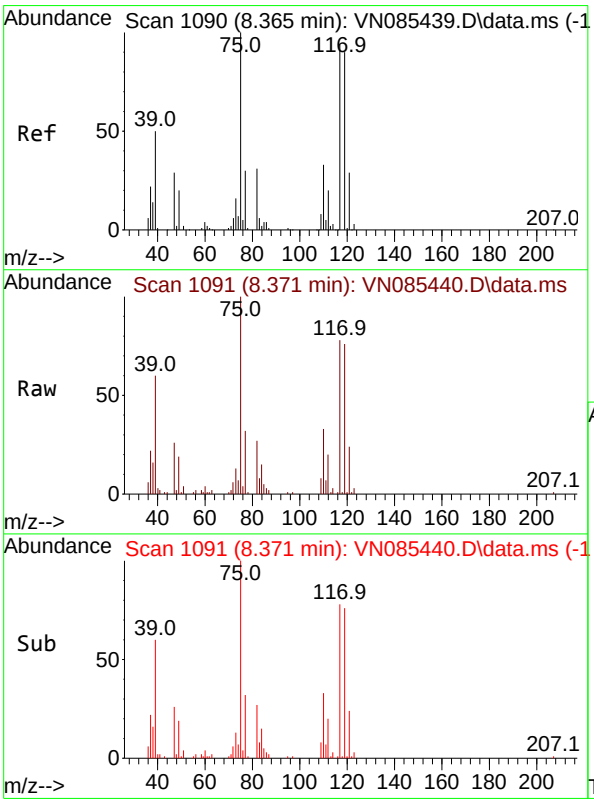
#35
Dibromofluoromethane
Concen: 19.322 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:113 Resp: 45655

Ion	Ratio	Lower	Upper
113	100		
111	100.6	82.7	124.1
192	17.9	14.3	21.5

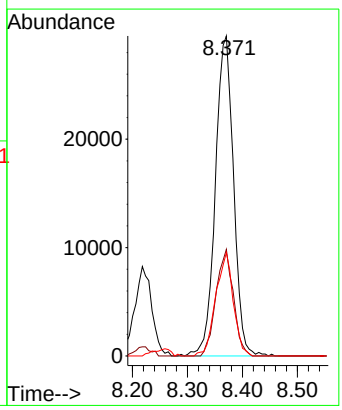


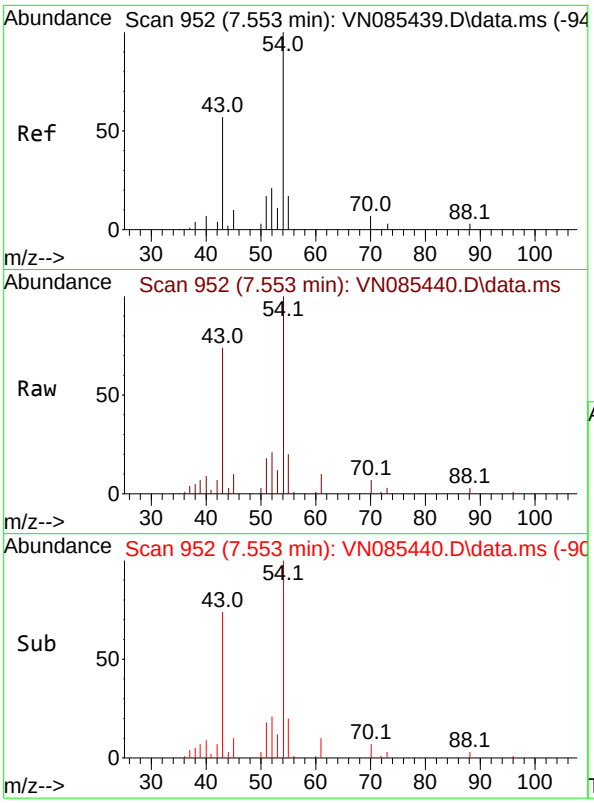


#36
1,1-Dichloropropene
Concen: 20.490 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.006 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 75 Resp: 67949

Ion	Ratio	Lower	Upper
75	100		
110	31.8	16.5	49.5
77	31.1	24.4	36.6



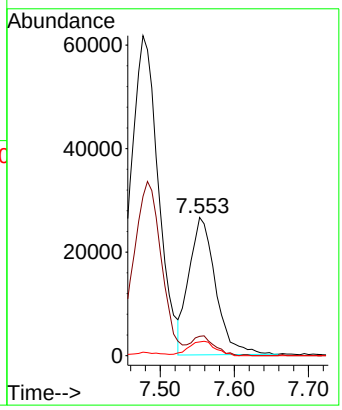


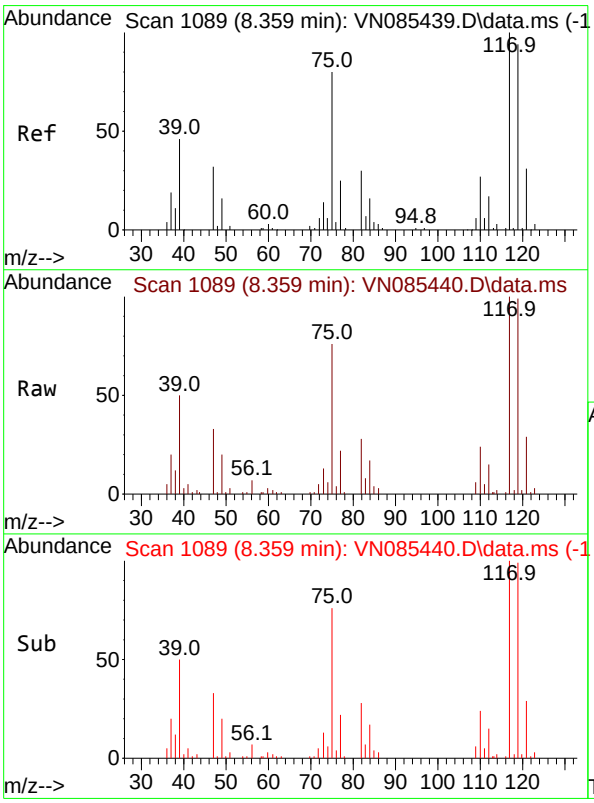
#37
Ethyl Acetate
Concen: 19.850 ug/l
RT: 7.553 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 66443

Ion	Ratio	Lower	Upper
43	100		
61	11.9	10.9	16.3
70	10.6	7.5	11.3

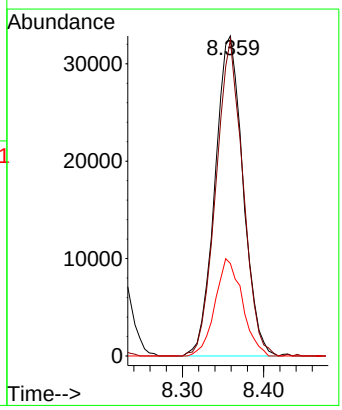


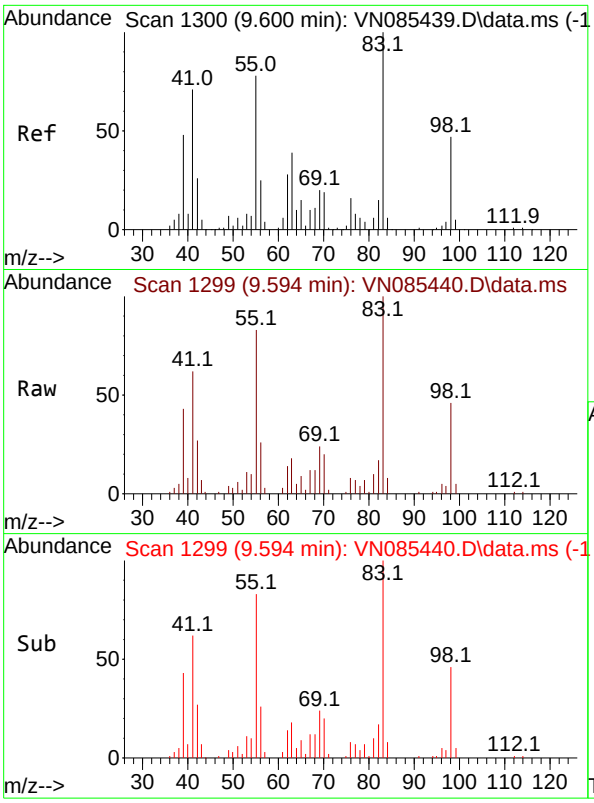


#38
Carbon Tetrachloride
Concen: 20.767 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion:117 Resp: 78842

Ion	Ratio	Lower	Upper
117	100		
119	98.9	75.4	113.2
121	28.9	24.6	37.0



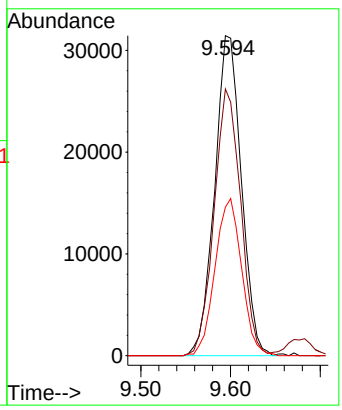


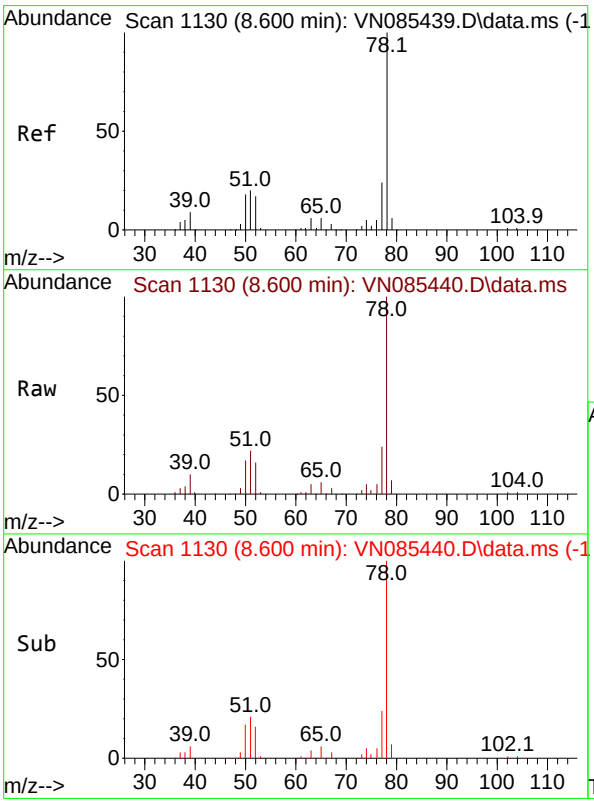
#39
Methylcyclohexane
Concen: 20.862 ug/l
RT: 9.594 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 65012

Ion	Ratio	Lower	Upper
83	100		
55	83.4	62.6	94.0
98	46.4	37.7	56.5

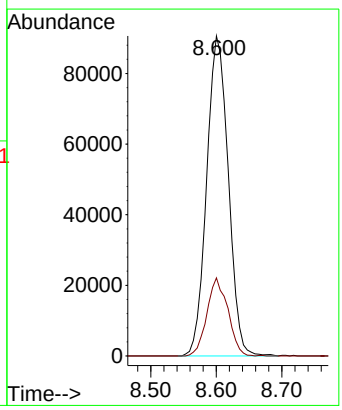


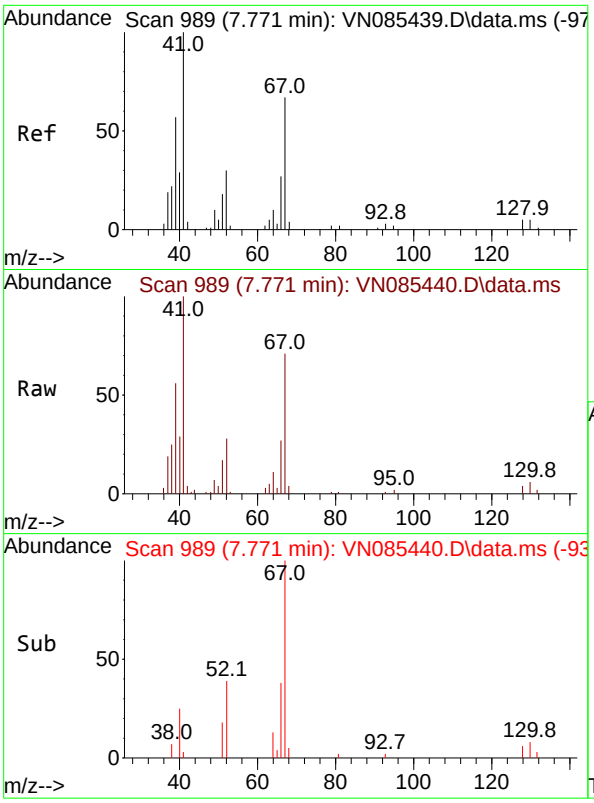


#40
Benzene
Concen: 20.873 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 78 Resp: 207985

Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.0	28.6



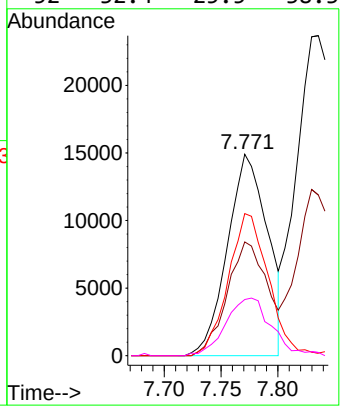


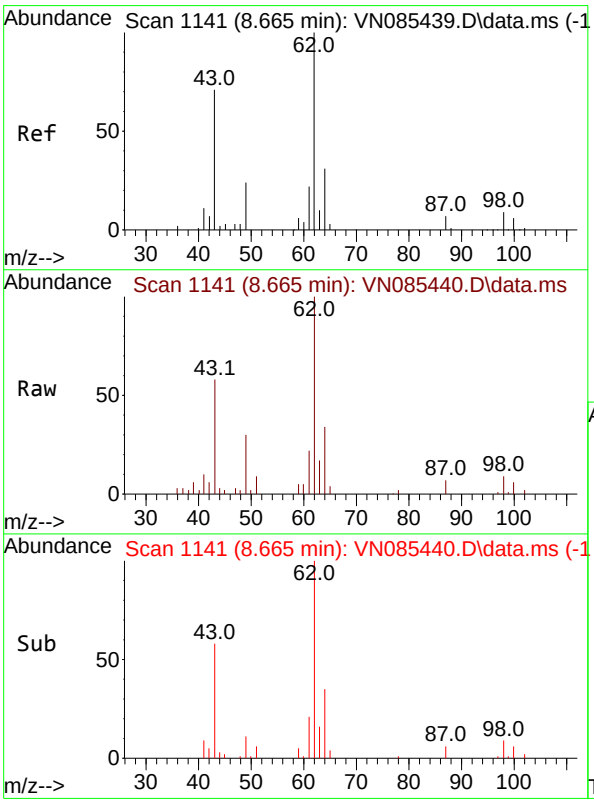
#41
Methacrylonitrile
Concen: 21.004 ug/l
RT: 7.771 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 41 Resp: 36578

Ion	Ratio	Lower	Upper
41	100		
39	56.6	46.0	69.0
67	70.3	57.4	86.2
52	32.4	25.5	38.3

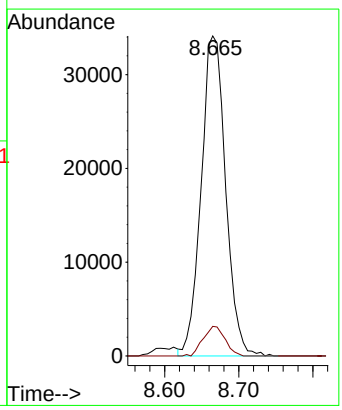


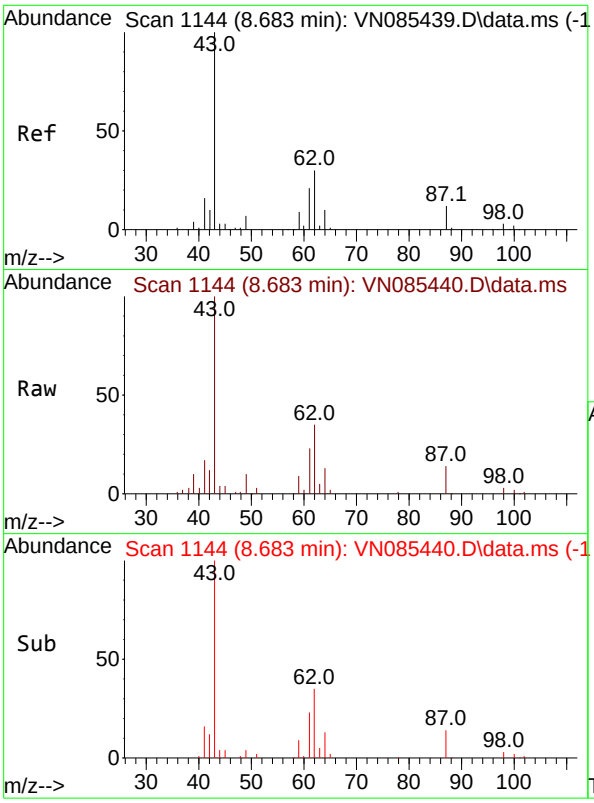


#42
1,2-Dichloroethane
Concen: 20.891 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 62 Resp: 78402

Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	17.0



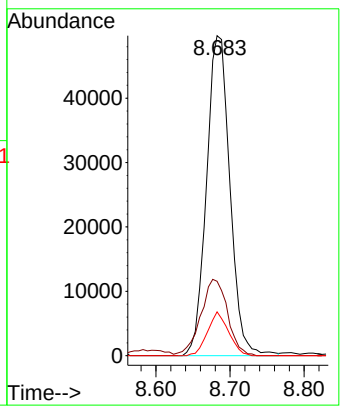


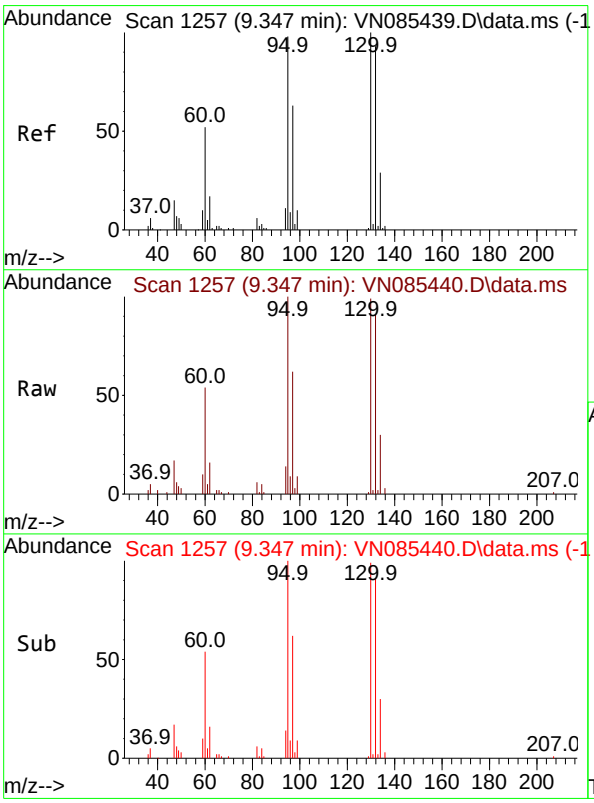
#43
Isopropyl Acetate
Concen: 20.347 ug/l
RT: 8.683 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 109131

Ion	Ratio	Lower	Upper
43	100		
61	27.2	20.7	31.1
87	12.3	9.8	14.8

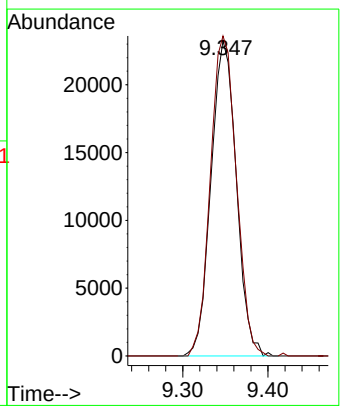


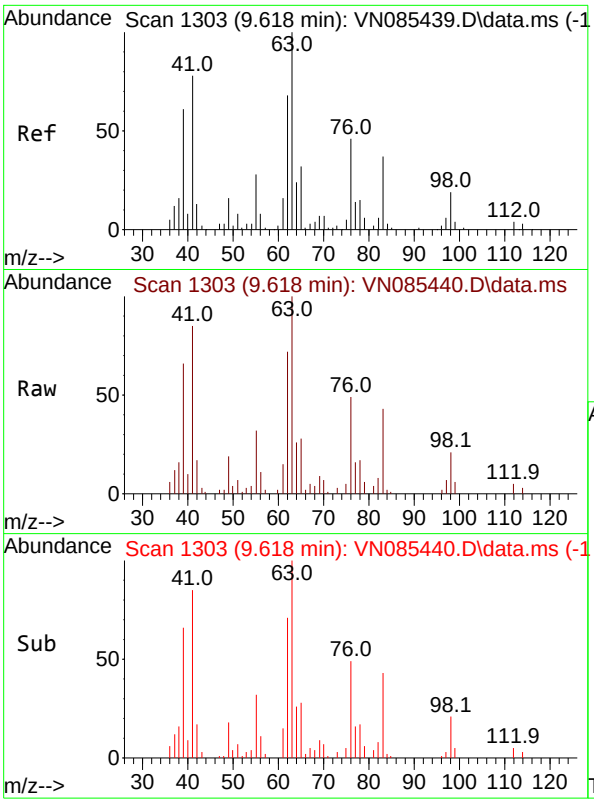


#44
Trichloroethene
Concen: 20.699 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion:130 Resp: 48009

Ion	Ratio	Lower	Upper
130	100		
95	101.5	0.0	195.8



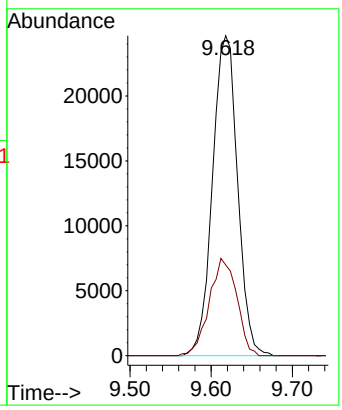


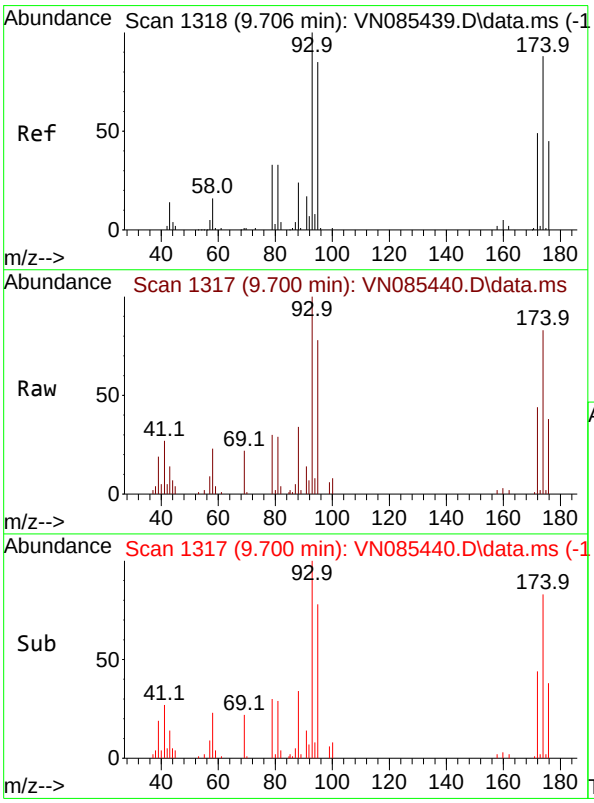
#45
1,2-Dichloropropane
Concen: 20.758 ug/l
RT: 9.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 63 Resp: 52833

Ion	Ratio	Lower	Upper
63	100		
65	28.3	25.6	38.4

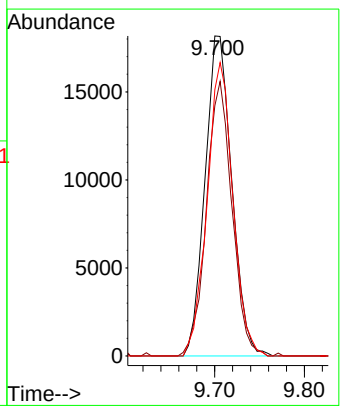


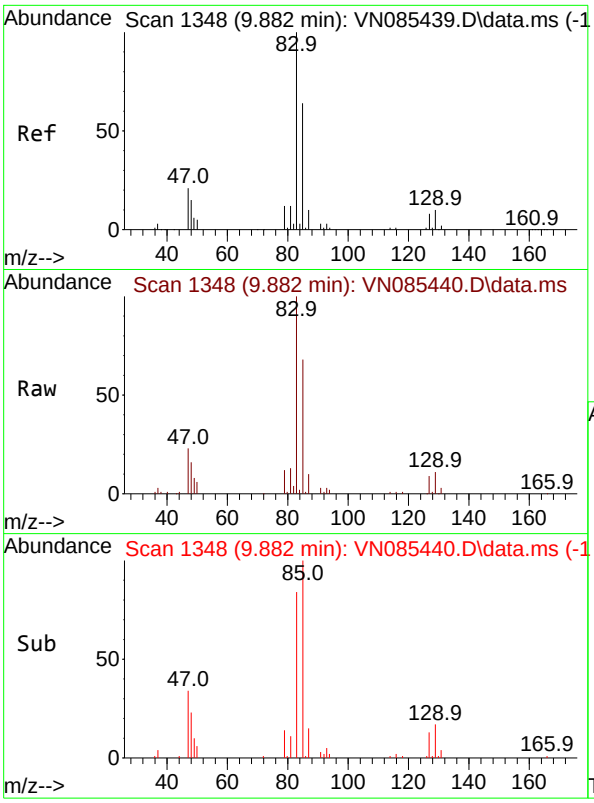


#46
Dibromomethane
Concen: 20.540 ug/l
RT: 9.700 min Scan# 1317
Delta R.T. -0.006 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 93 Resp: 37721

Ion	Ratio	Lower	Upper
93	100		
95	82.0	64.7	97.1
174	88.4	69.0	103.4



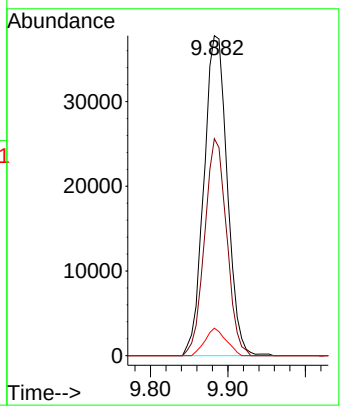


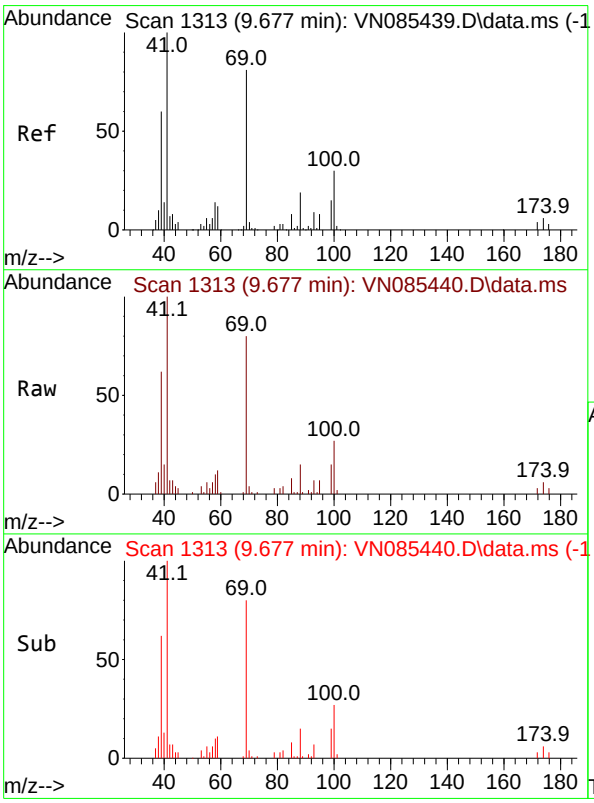
#47
Bromodichloromethane
Concen: 21.093 ug/l
RT: 9.882 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 78918

Ion	Ratio	Lower	Upper
83	100		
85	67.8	51.2	76.8
127	8.6	6.5	9.7

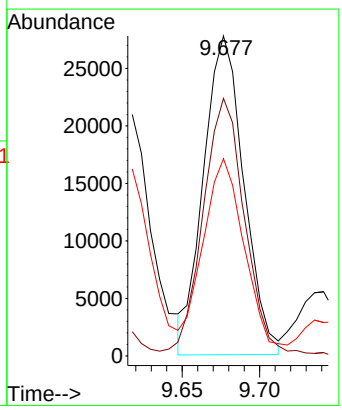


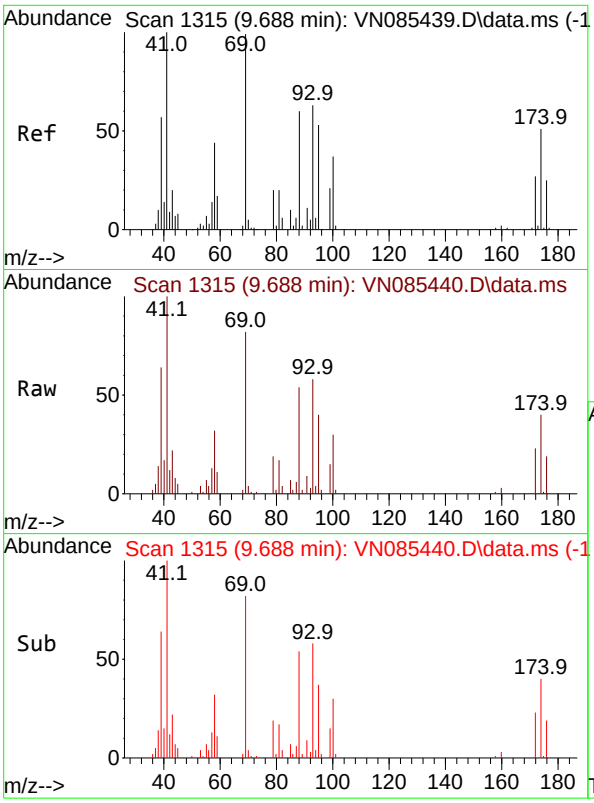


#48
Methyl methacrylate
Concen: 20.808 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 41 Resp: 50224

Ion	Ratio	Lower	Upper
41	100		
69	84.3	64.7	97.1
39	64.2	49.0	73.6



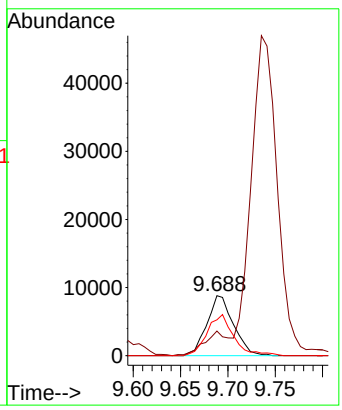


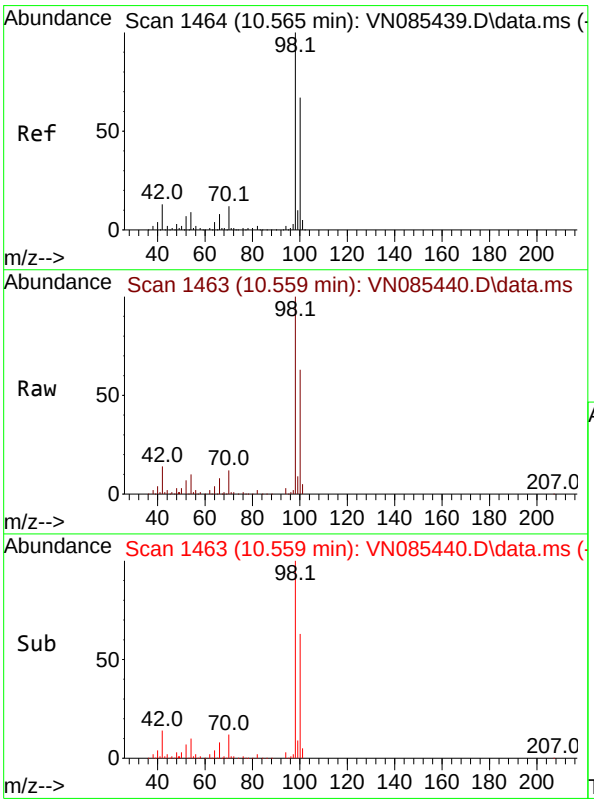
#49
1,4-Dioxane
Concen: 421.686 ug/l
RT: 9.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 88 Resp: 17140

Ion	Ratio	Lower	Upper
88	100		
43	34.9	26.6	39.8
58	69.0	59.5	89.3

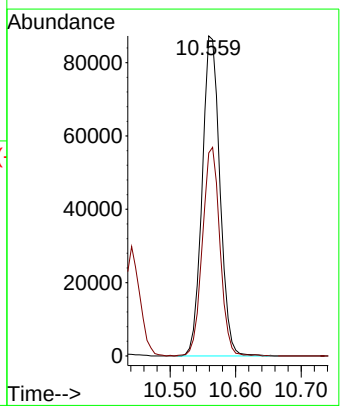


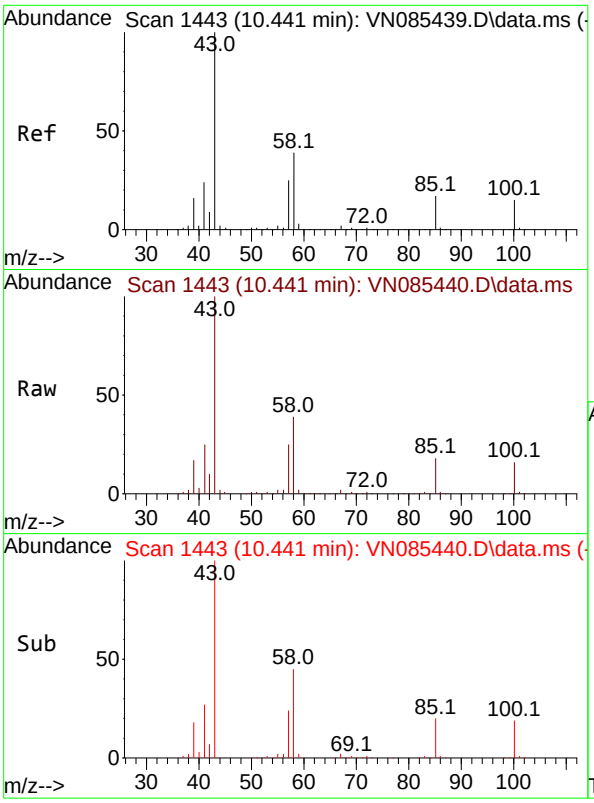


#50
Toluene-d8
Concen: 19.581 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. -0.006 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 98 Resp: 164391

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.2	78.4



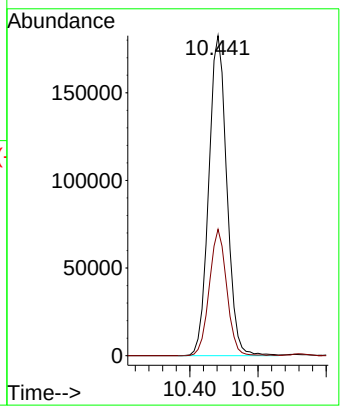


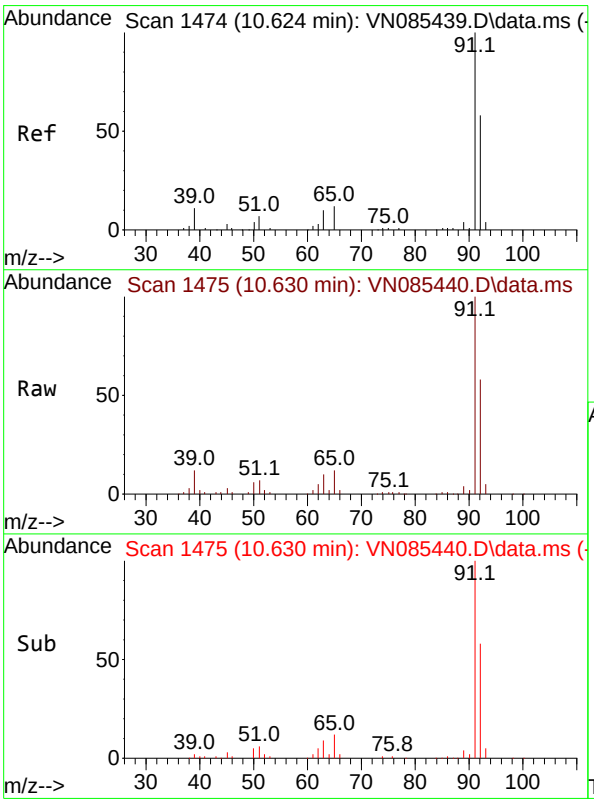
#51
4-Methyl-2-Pentanone
Concen: 108.249 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 336911

Ion	Ratio	Lower	Upper
43	100		
58	38.1	30.5	45.7

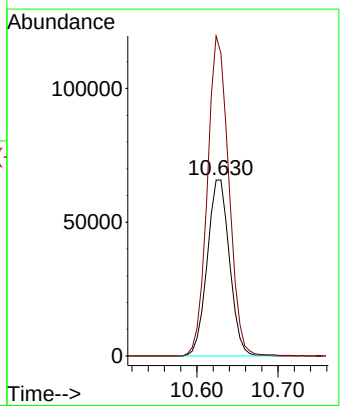


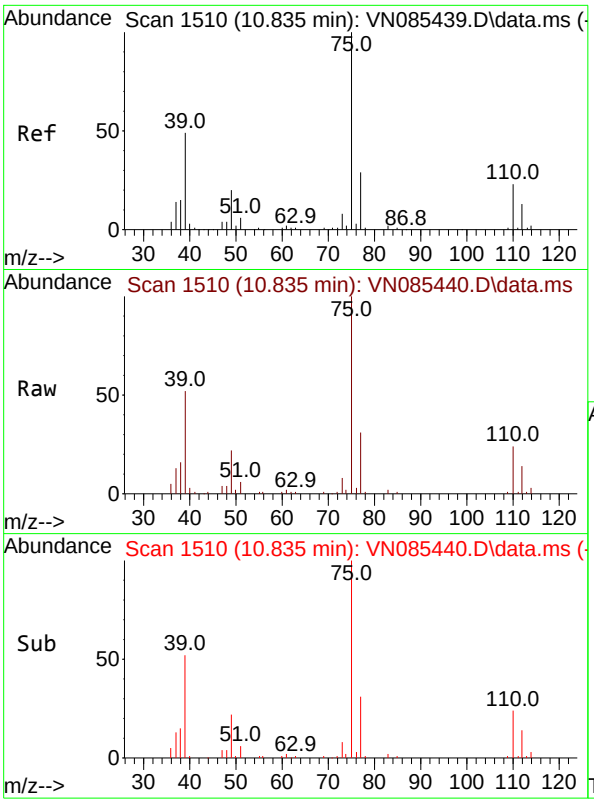


#52
Toluene
Concen: 21.680 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.005 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 92 Resp: 125172

Ion	Ratio	Lower	Upper
92	100		
91	175.1	139.2	208.8



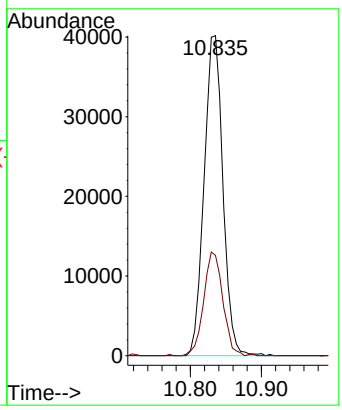


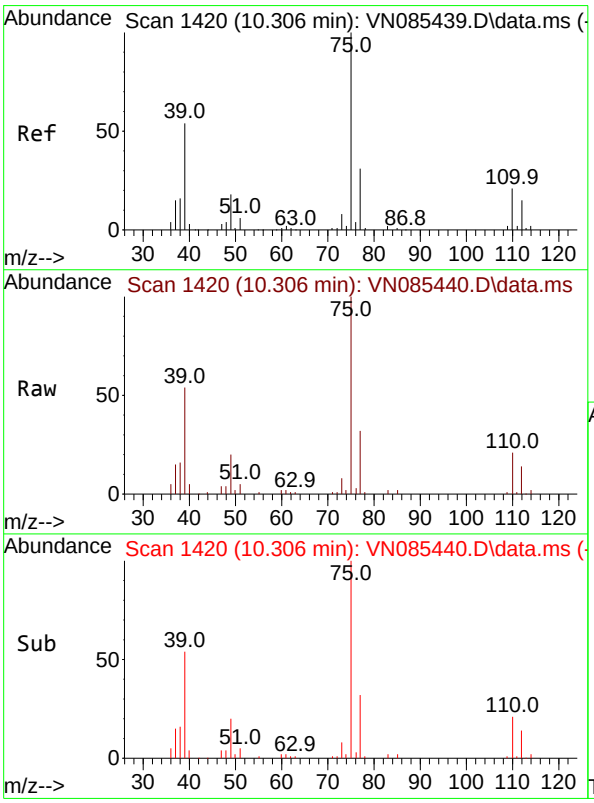
#53
t-1,3-Dichloropropene
Concen: 20.965 ug/l
RT: 10.835 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 74129

Ion	Ratio	Lower	Upper
75	100		
77	31.4	23.5	35.3

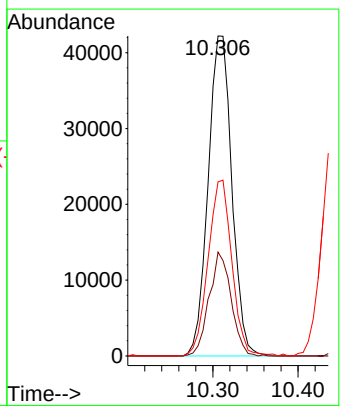


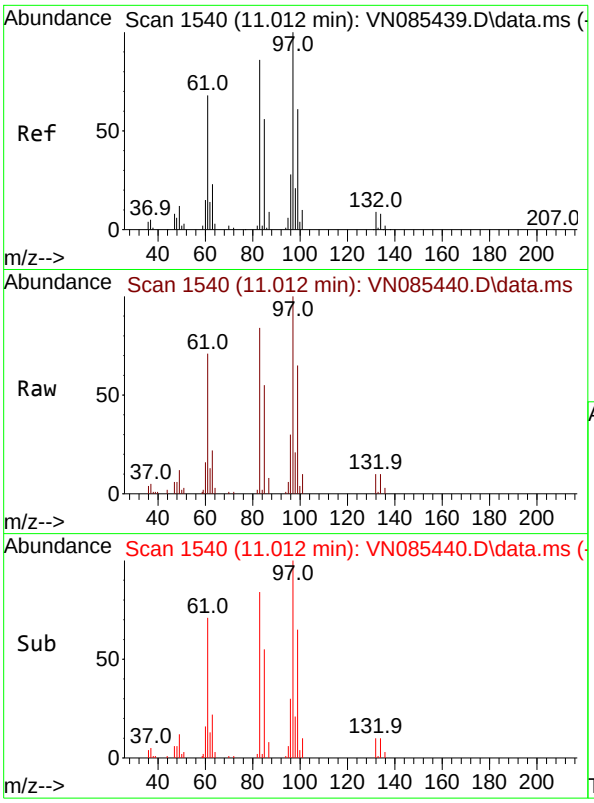


#54
cis-1,3-Dichloropropene
Concen: 21.684 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 75 Resp: 81897

Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.0	37.4
39	54.4	43.1	64.7



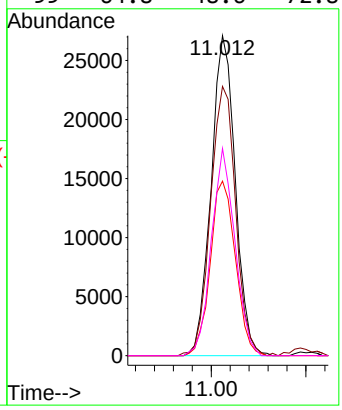


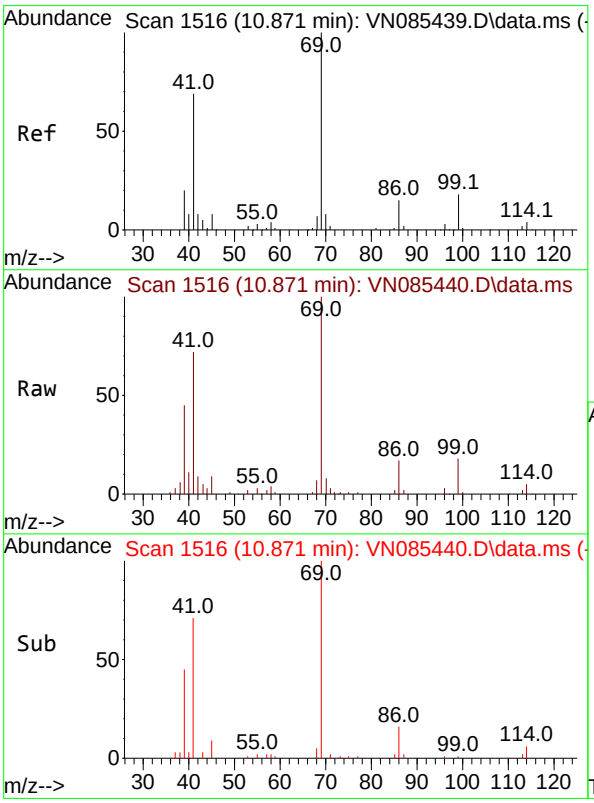
#55
1,1,2-Trichloroethane
Concen: 21.025 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 97 Resp: 48039

Ion	Ratio	Lower	Upper
97	100		
83	84.1	69.0	103.6
85	54.6	44.6	66.8
99	64.8	48.6	72.8

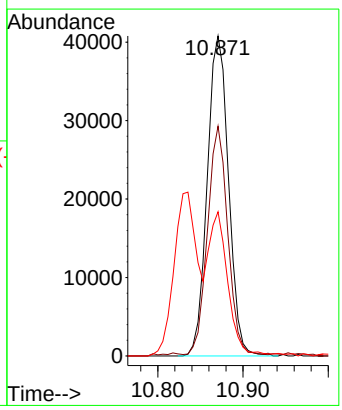


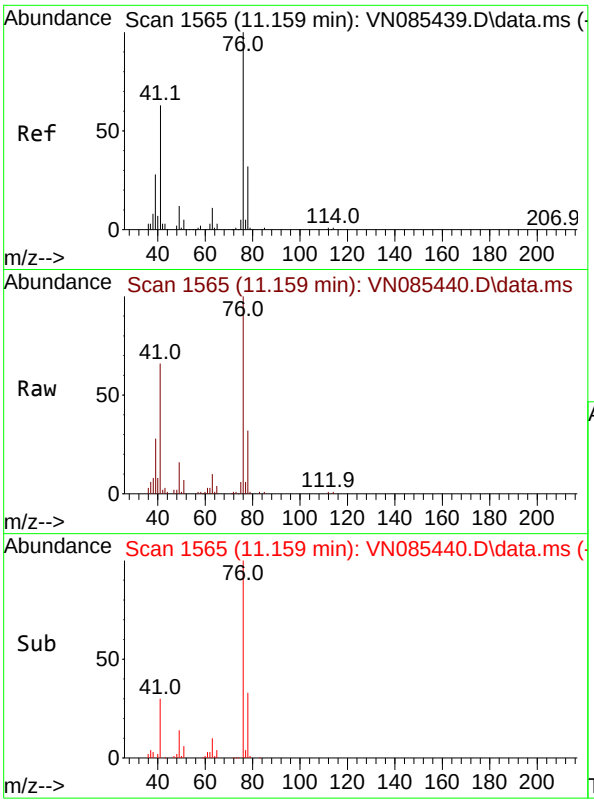


#56
Ethyl methacrylate
Concen: 19.649 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 69 Resp: 70934

Ion	Ratio	Lower	Upper
69	100		
41	67.6	54.6	82.0
39	41.7	32.4	48.6



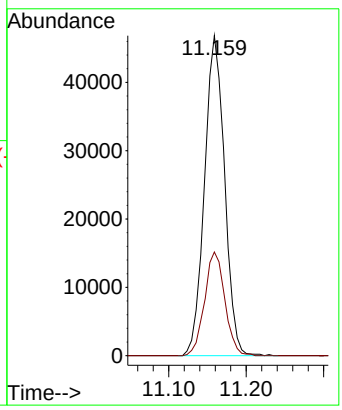


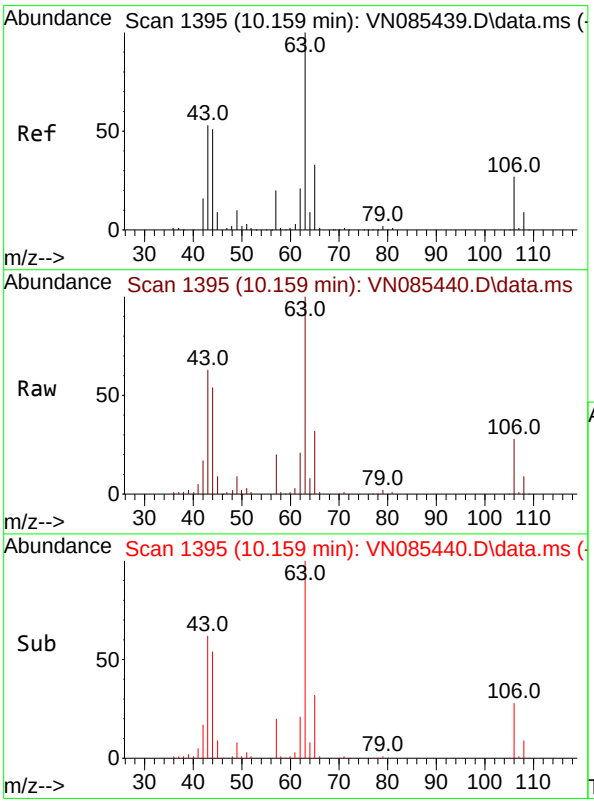
#57
1,3-Dichloropropane
Concen: 21.196 ug/l
RT: 11.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 84210

Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.6	38.4

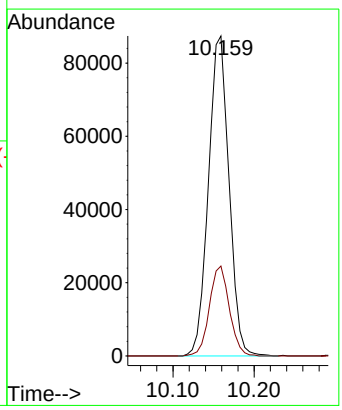


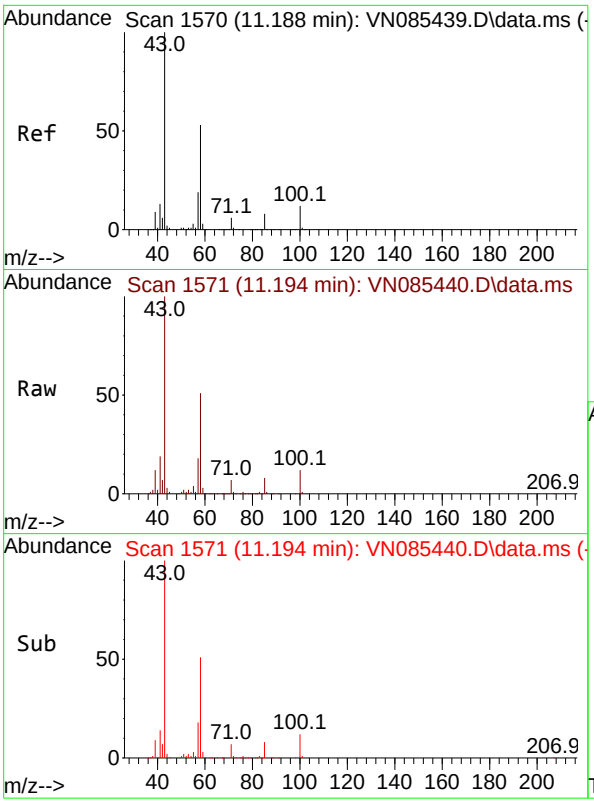


#58
2-Chloroethyl Vinyl ether
Concen: 105.991 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 63 Resp: 153681

Ion	Ratio	Lower	Upper
63	100		
106	27.2	21.6	32.4



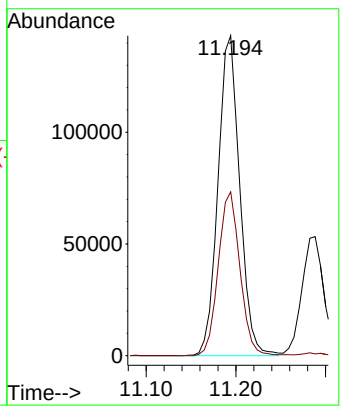


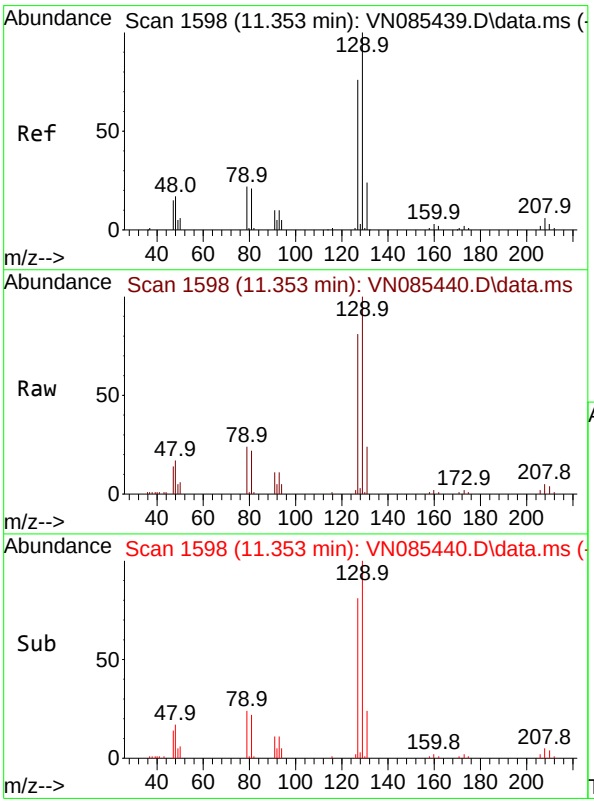
#59
2-Hexanone
Concen: 109.863 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 240595

Ion	Ratio	Lower	Upper
43	100		
58	51.1	26.2	78.6

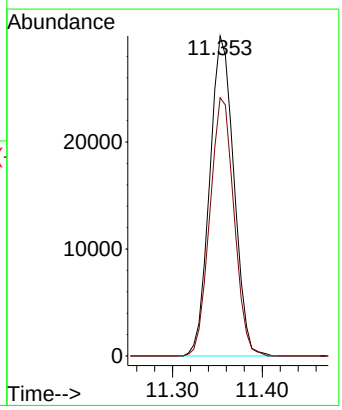


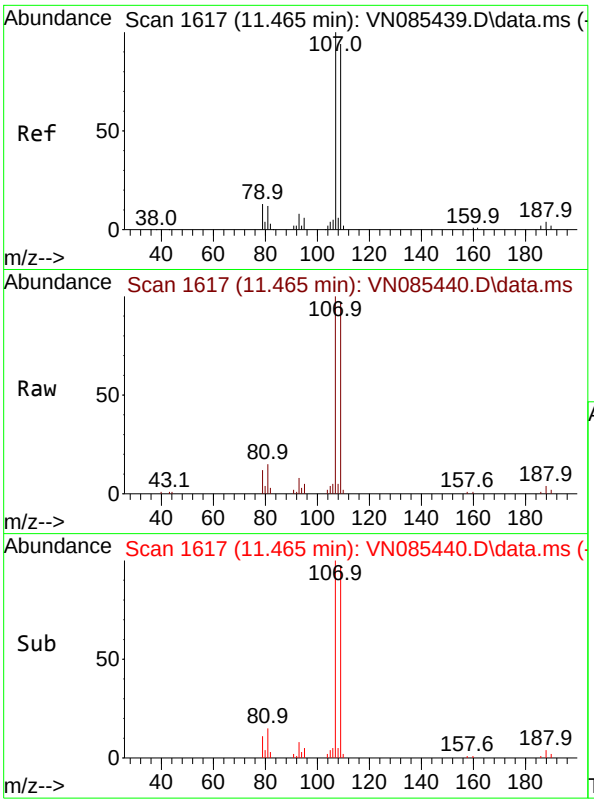


#60
Dibromochloromethane
Concen: 20.326 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion:129 Resp: 56069

Ion	Ratio	Lower	Upper
129	100		
127	80.4	38.6	115.8



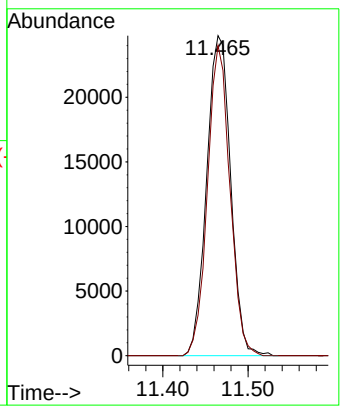


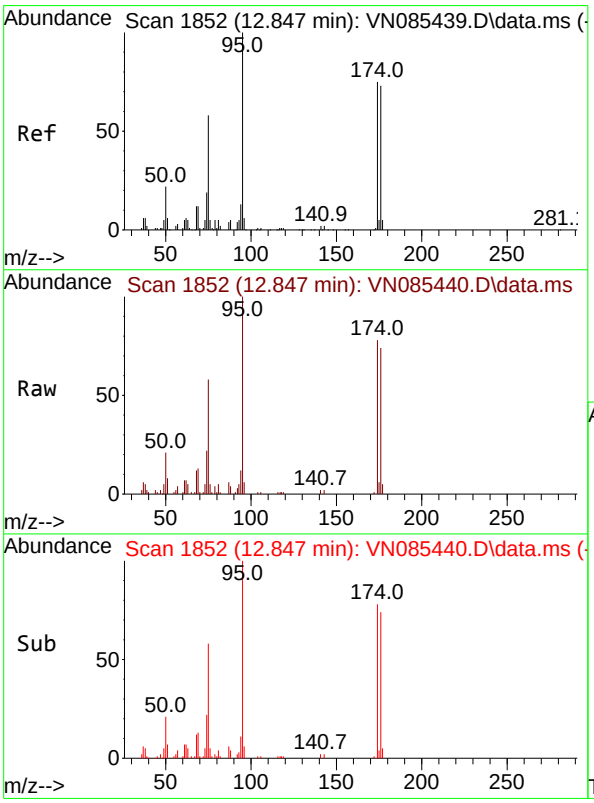
#61
1,2-Dibromoethane
Concen: 21.309 ug/l
RT: 11.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:107 Resp: 48465

Ion	Ratio	Lower	Upper
107	100		
109	90.6	75.9	113.9

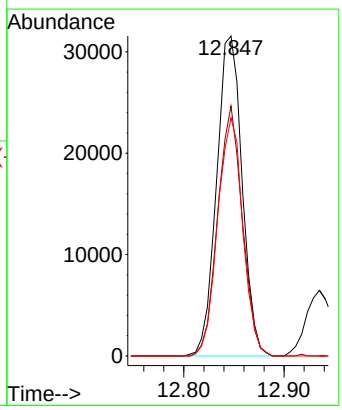


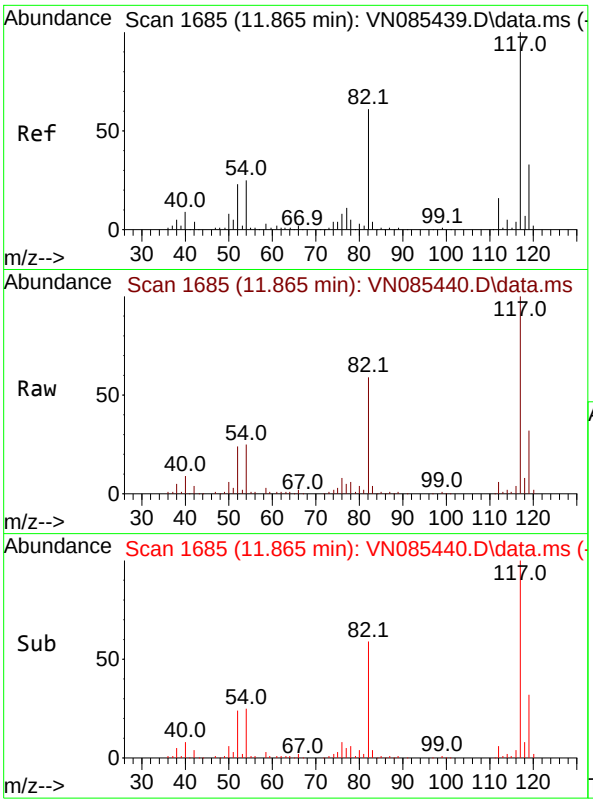


#62
4-Bromofluorobenzene
Concen: 19.430 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 95 Resp: 55798

Ion	Ratio	Lower	Upper
95	100		
174	75.2	0.0	145.0
176	73.2	0.0	142.4



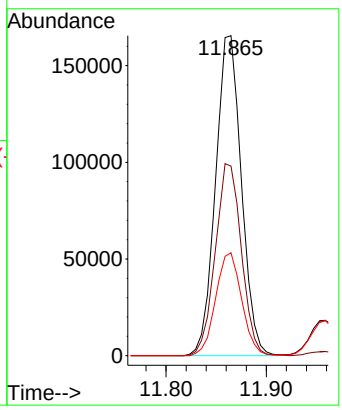


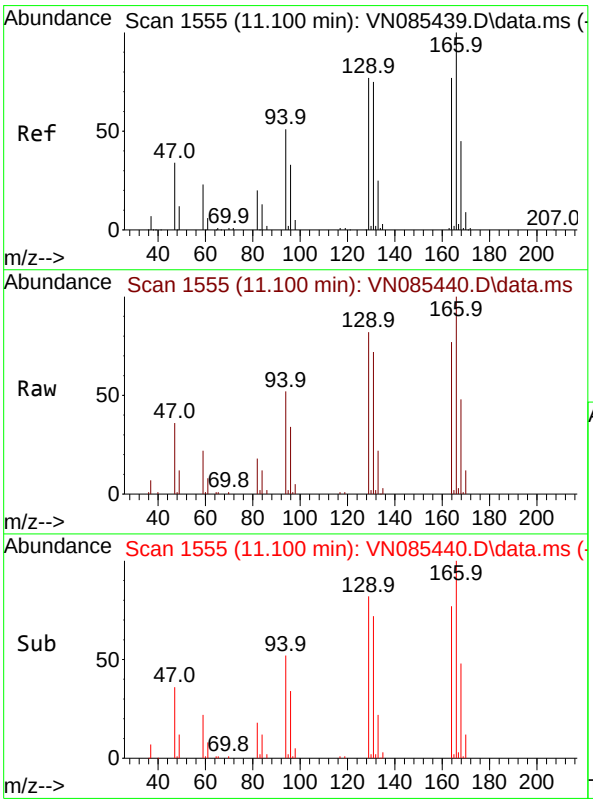
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:117 Resp: 296298

Ion	Ratio	Lower	Upper
117	100		
82	59.3	48.6	72.8
119	32.2	26.6	39.8

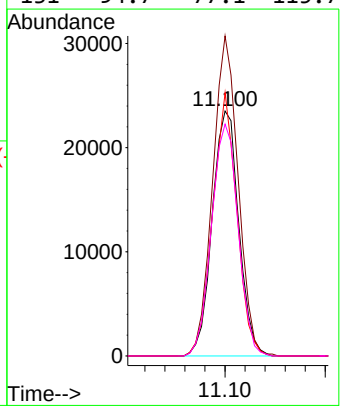


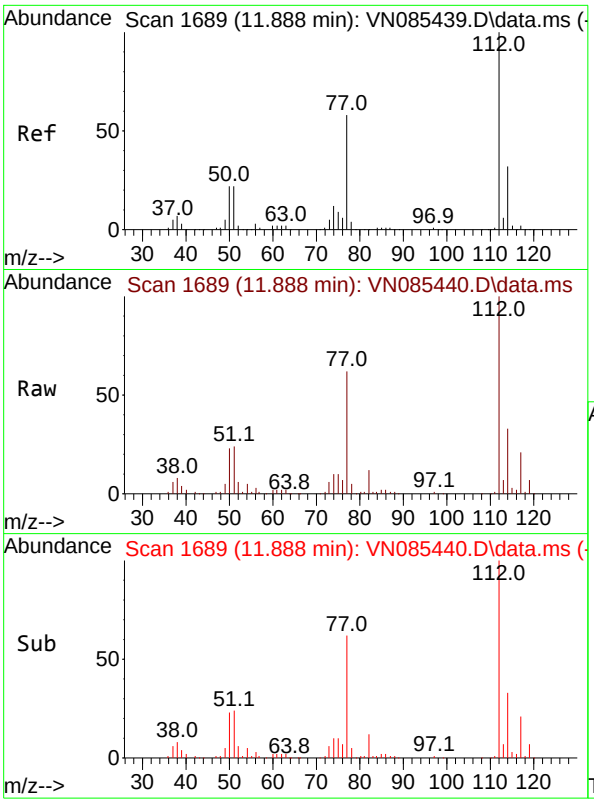


#64
Tetrachloroethene
Concen: 21.408 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion:164 Resp: 43243

Ion	Ratio	Lower	Upper
164	100		
166	130.6	103.4	155.2
129	107.4	79.2	118.8
131	94.7	77.1	115.7



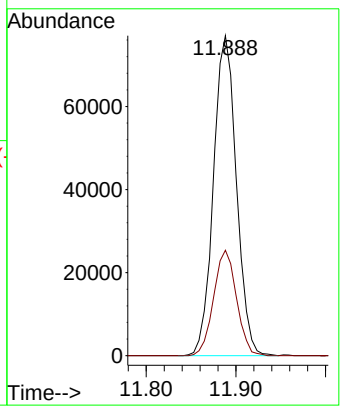


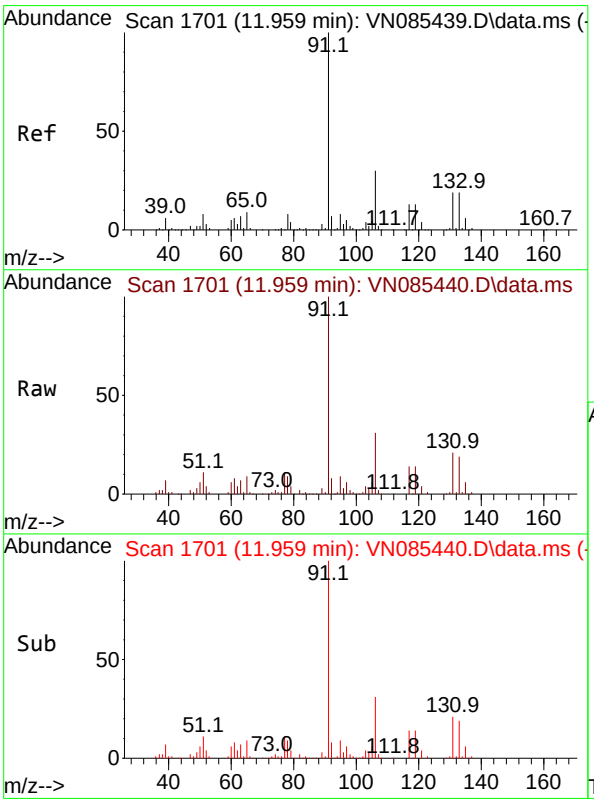
#65
Chlorobenzene
Concen: 21.077 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:112 Resp: 136809

Ion	Ratio	Lower	Upper
112	100		
114	32.9	25.3	37.9

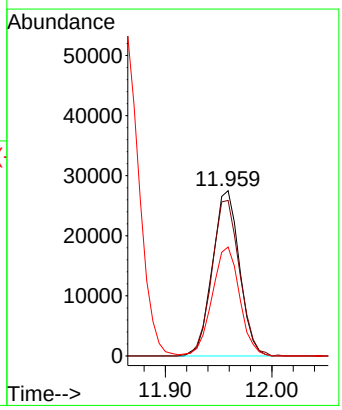


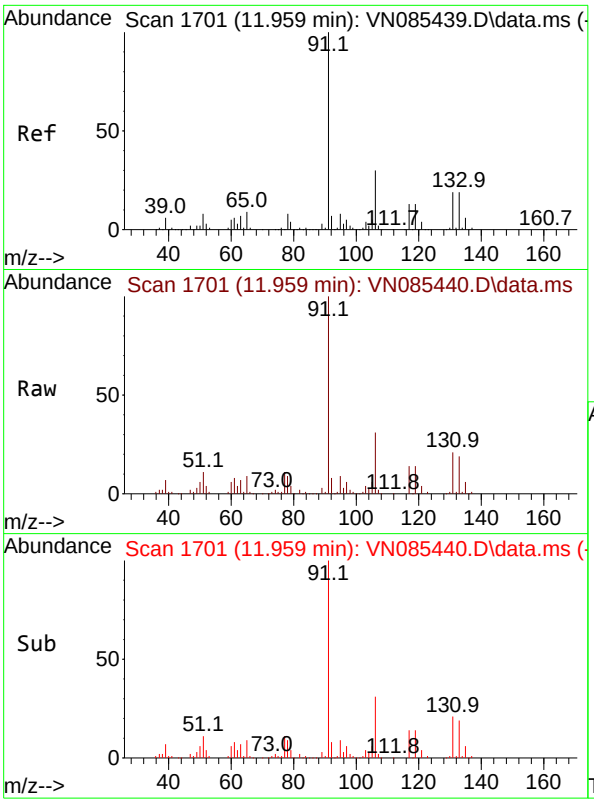


#66
1,1,1,2-Tetrachloroethane
Concen: 20.304 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion:131 Resp: 48370

Ion	Ratio	Lower	Upper
131	100		
133	96.9	47.4	142.3
119	67.2	33.1	99.5



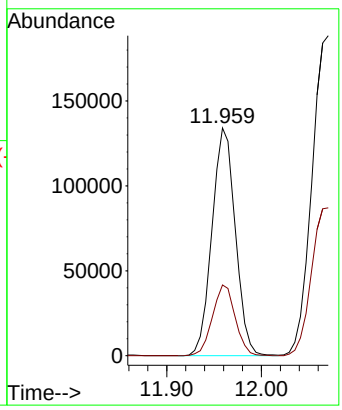


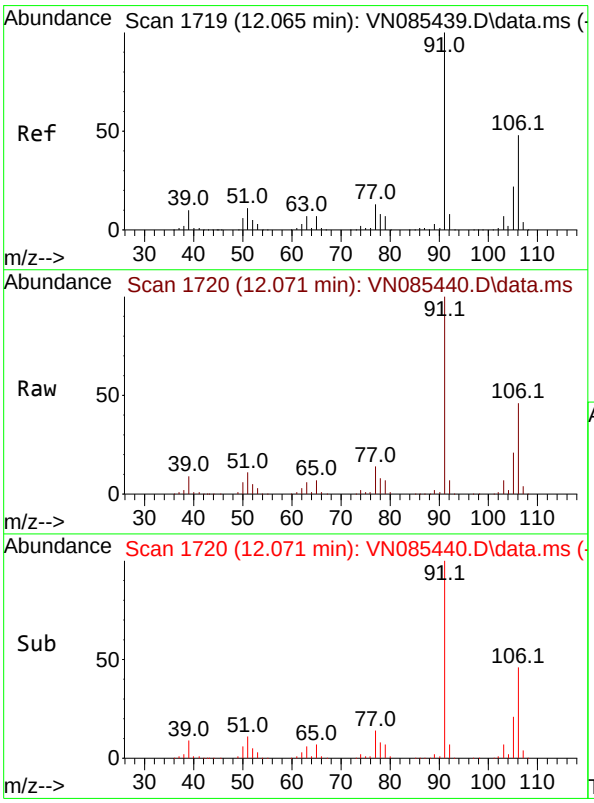
#67
Ethyl Benzene
Concen: 21.753 ug/l
RT: 11.959 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 229978

Ion	Ratio	Lower	Upper
91	100		
106	31.1	23.8	35.8

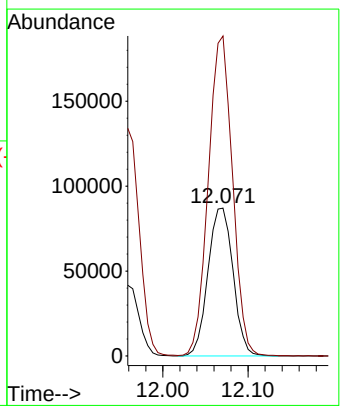


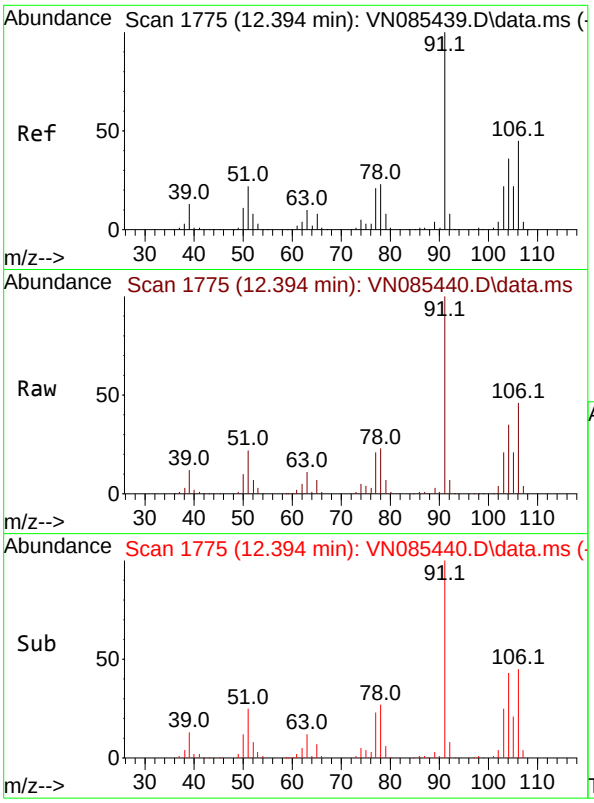


#68
m/p-Xylenes
Concen: 45.494 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.006 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion:106 Resp: 177755

Ion	Ratio	Lower	Upper
106	100		
91	209.3	167.7	251.5



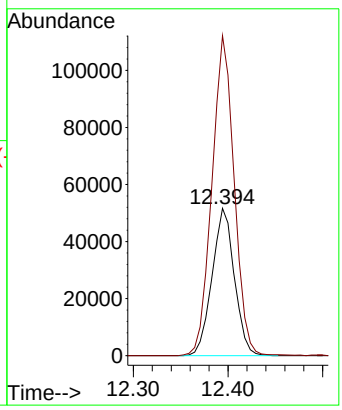


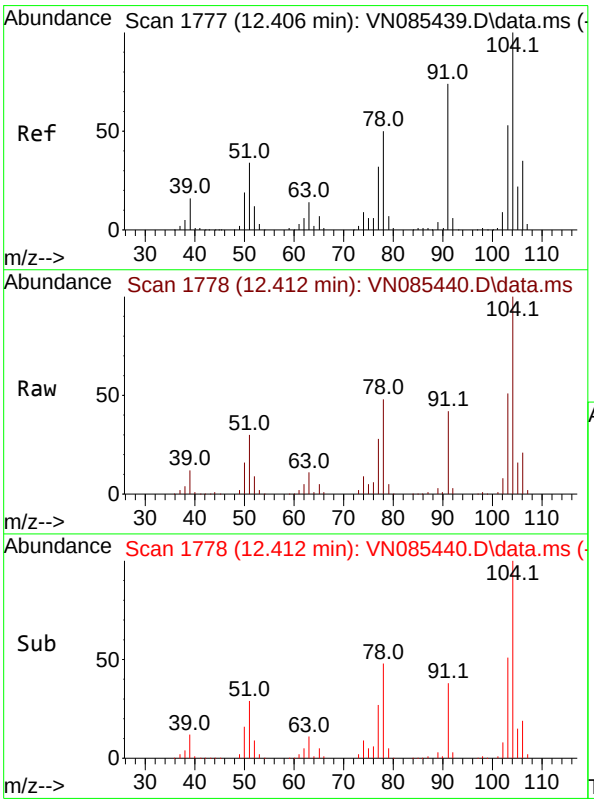
#69
o-Xylene
Concen: 22.643 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 84548

Ion	Ratio	Lower	Upper
106	100		
91	217.0	110.4	331.2

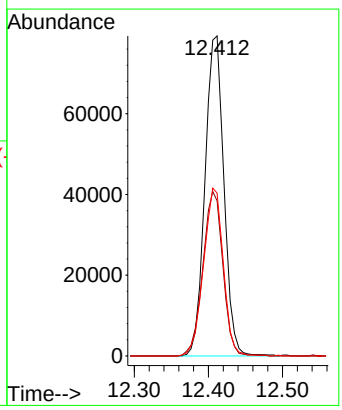


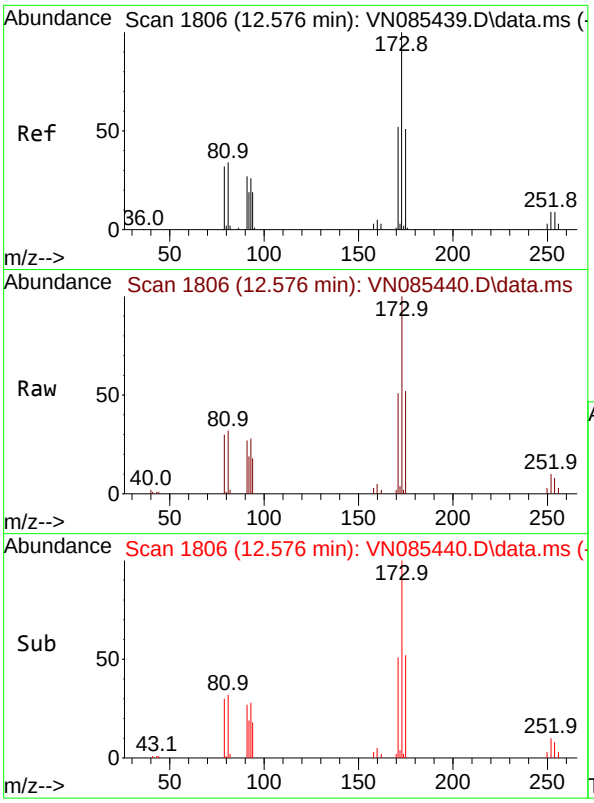


#70
Styrene
Concen: 22.749 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion:104 Resp: 140581

Ion	Ratio	Lower	Upper
104	100		
78	54.4	42.5	63.7
103	54.8	43.8	65.8



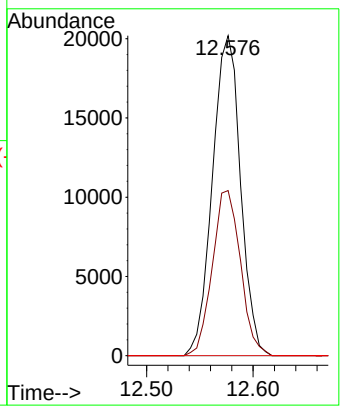


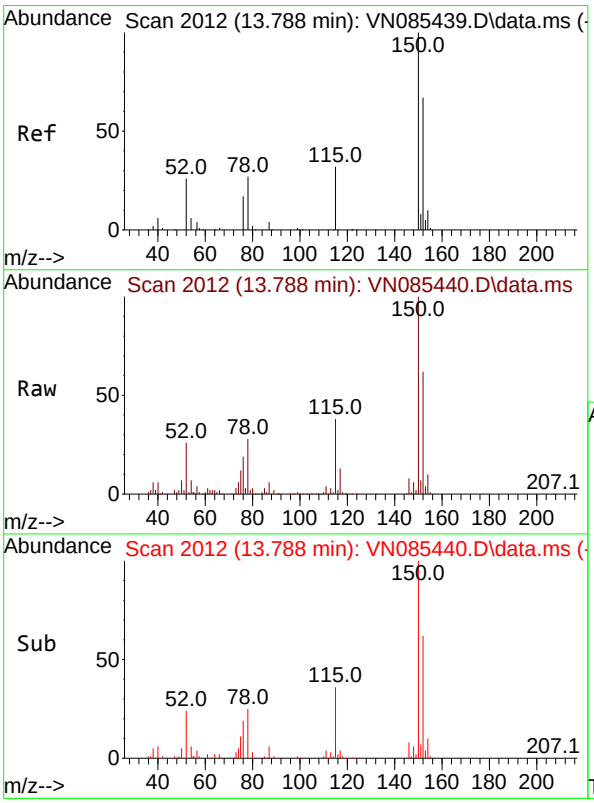
#71
Bromoform
Concen: 21.683 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:173 Resp: 36961

Ion	Ratio	Lower	Upper
173	100		
175	51.7	24.4	73.2
254	0.0	0.0	0.0

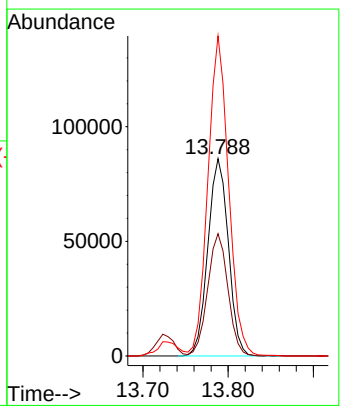


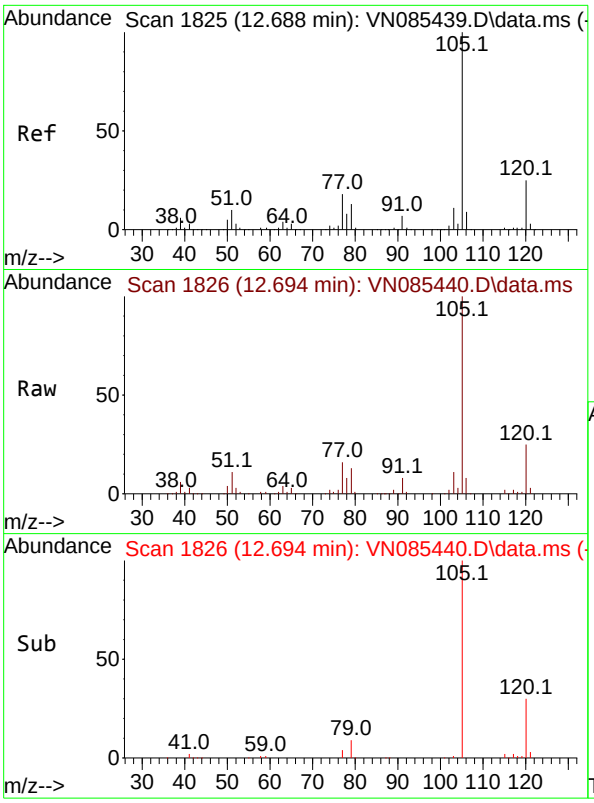


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion:152 Resp: 143526

Ion	Ratio	Lower	Upper
152	100		
115	61.4	31.1	93.3
150	163.9	0.0	343.6



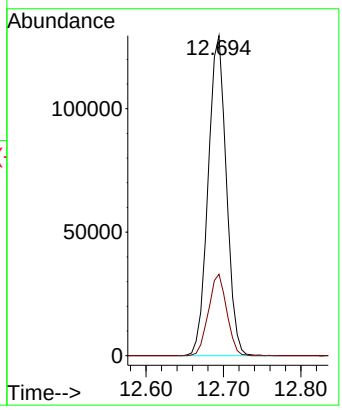


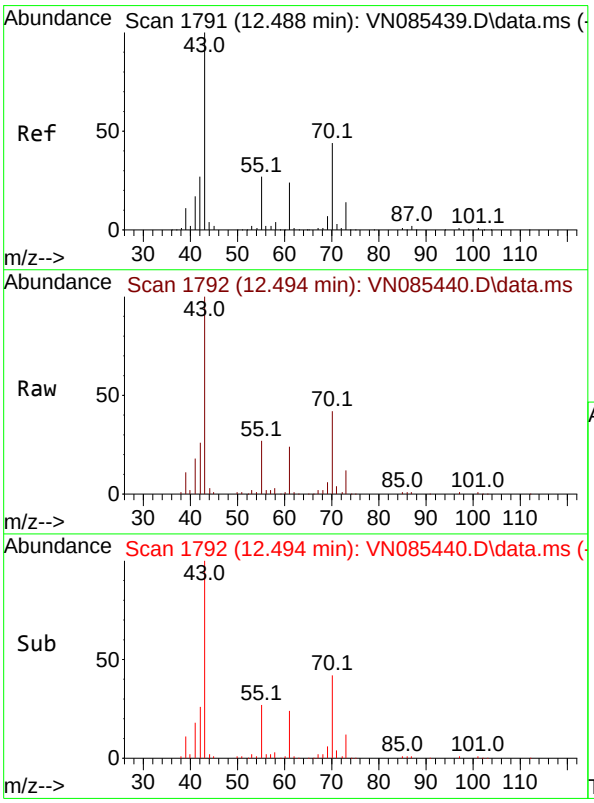
#73
Isopropylbenzene
Concen: 21.819 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 211354

Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.8	38.3

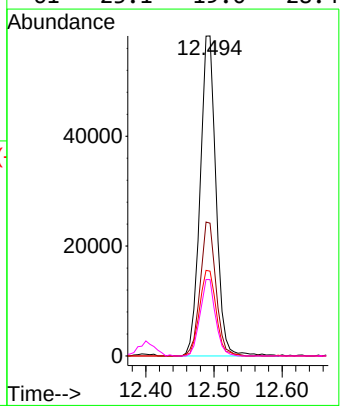


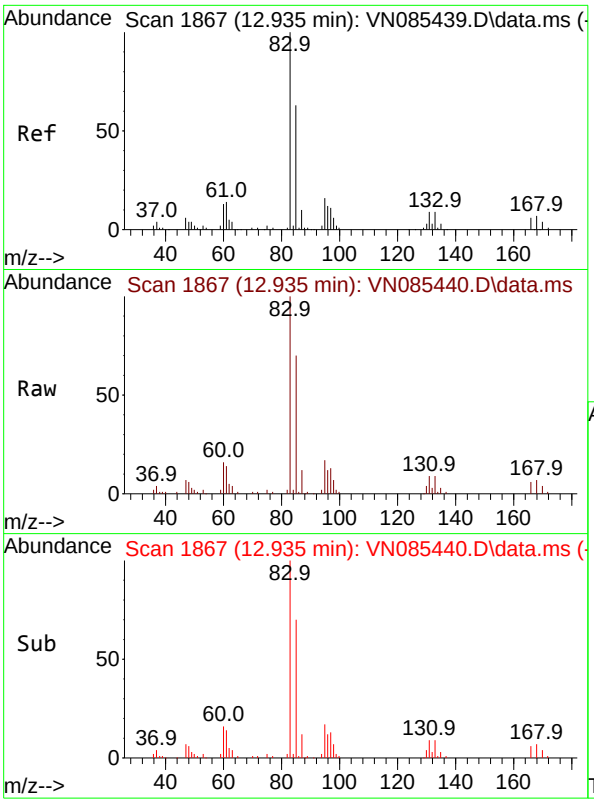


#74
N-amyl acetate
Concen: 21.656 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 43 Resp: 94292

Ion	Ratio	Lower	Upper
43	100		
70	41.4	34.0	51.0
55	27.9	21.4	32.2
61	23.1	19.0	28.4



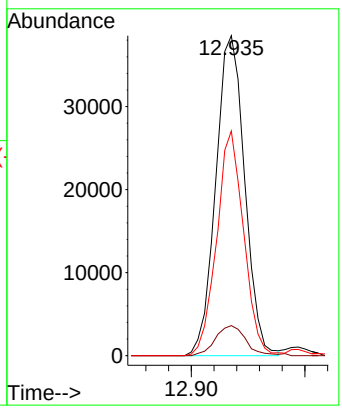


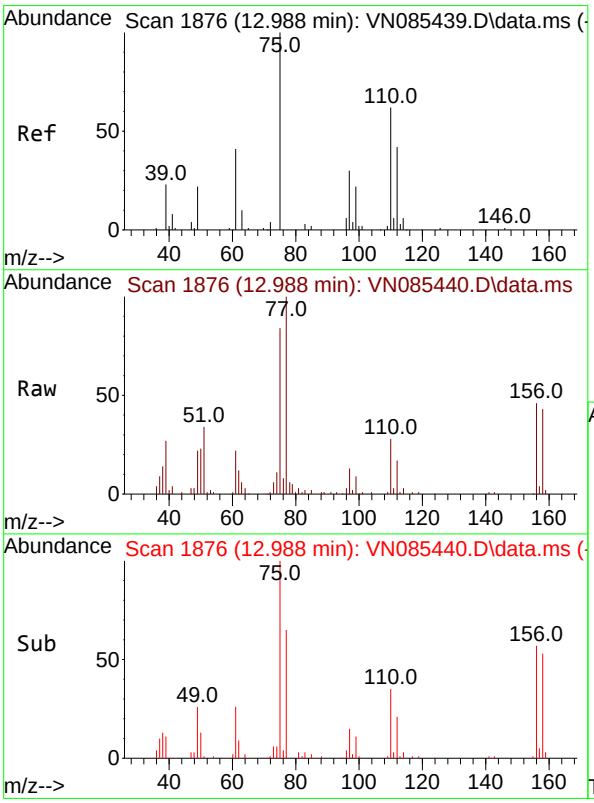
#75
1,1,2,2-Tetrachloroethane
Concen: 19.917 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 68151

Ion	Ratio	Lower	Upper
83	100		
131	9.9	4.8	14.4
85	65.5	32.2	96.6

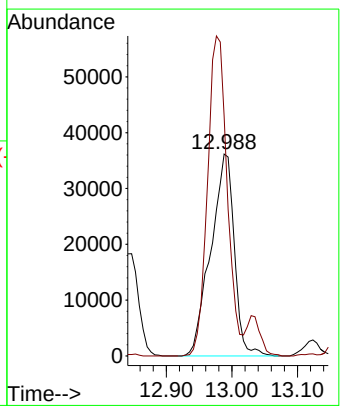


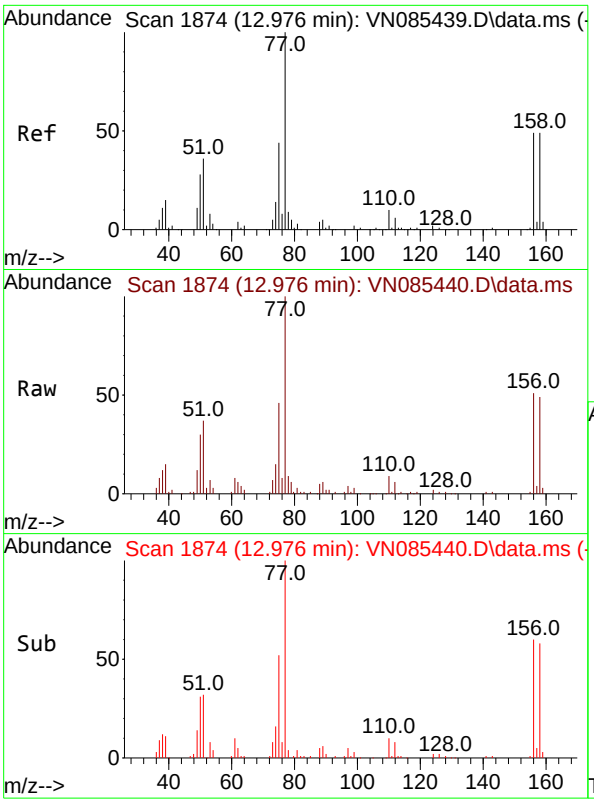


#76
1,2,3-Trichloropropane
Concen: 30.902 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 75 Resp: 90004

Ion	Ratio	Lower	Upper
75	100		
77	133.2	109.7	329.2



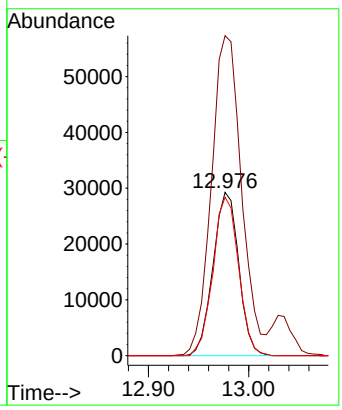


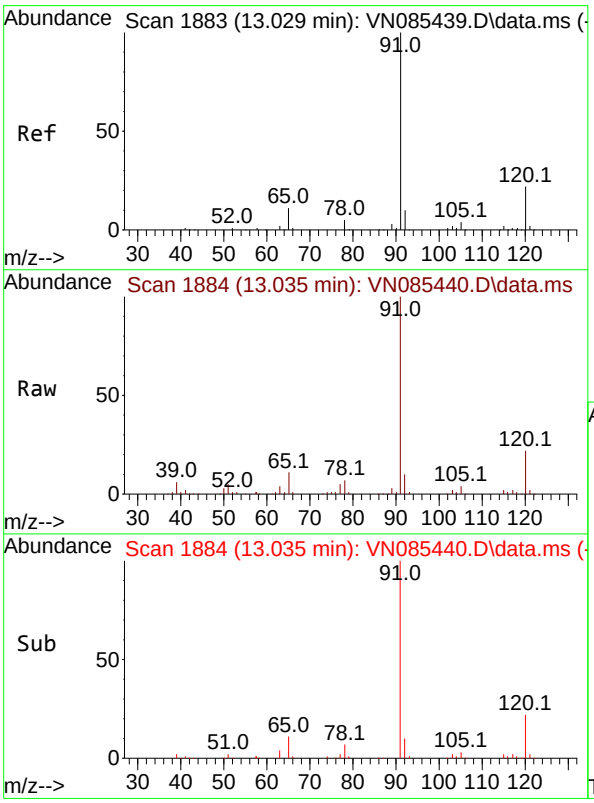
#77
Bromobenzene
Concen: 20.556 ug/l
RT: 12.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:156 Resp: 52022

Ion	Ratio	Lower	Upper
156	100		
77	230.4	114.1	342.4
158	97.0	48.9	146.8

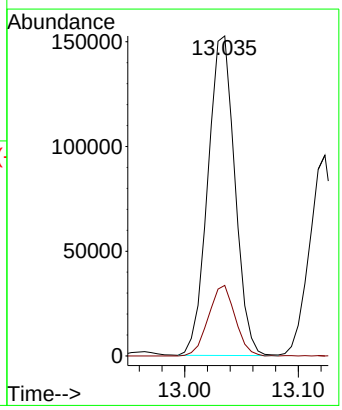


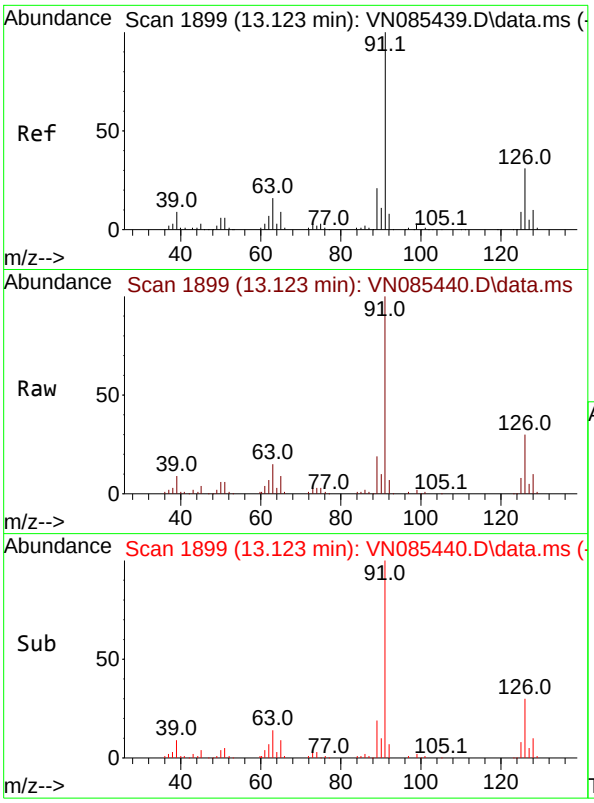


#78
n-propylbenzene
Concen: 22.028 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.006 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 91 Resp: 252610

Ion	Ratio	Lower	Upper
91	100		
120	21.8	10.9	32.6



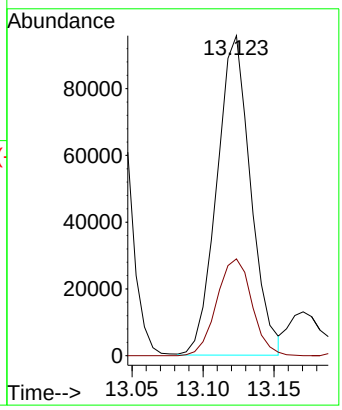


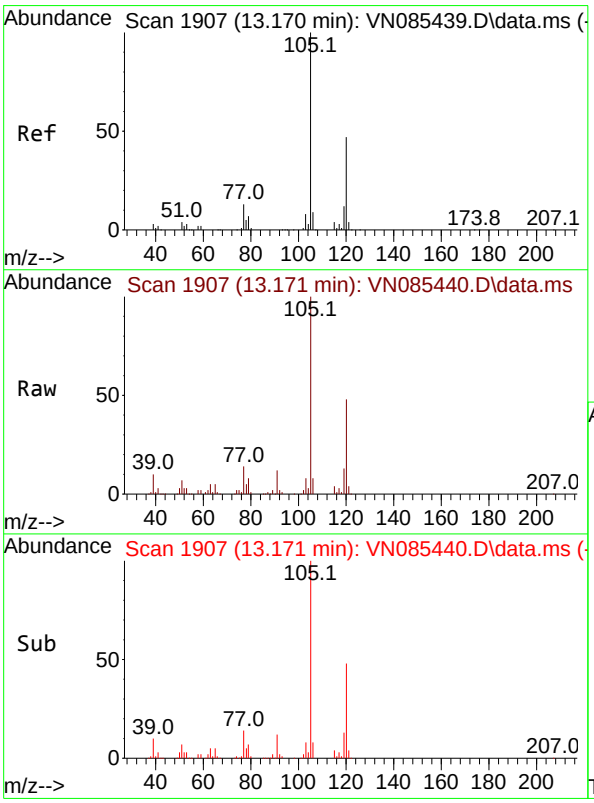
#79
2-Chlorotoluene
Concen: 21.358 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 158511

Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.7	47.1

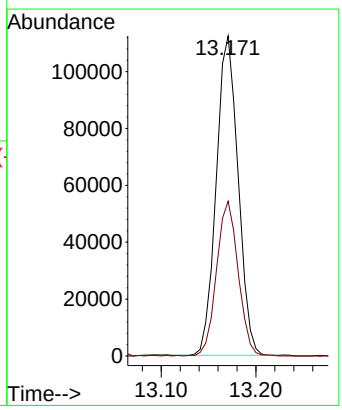


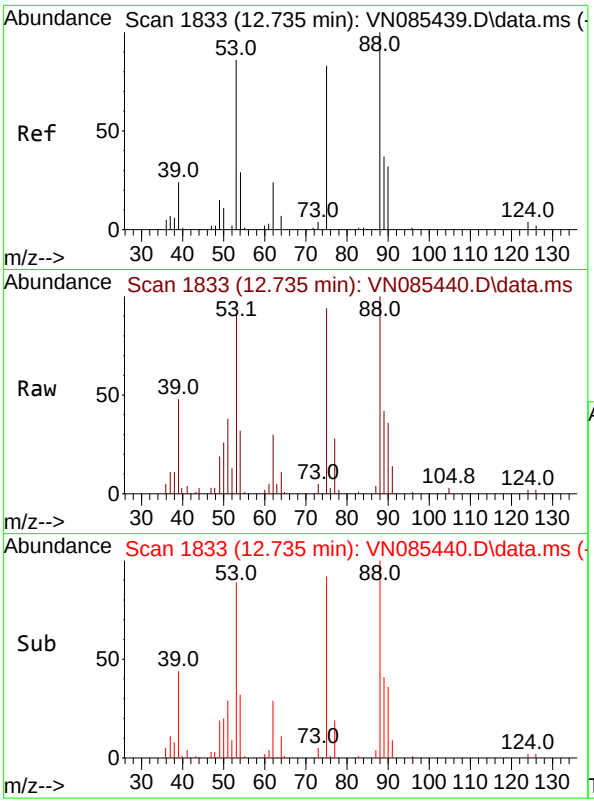


#80
1,3,5-Trimethylbenzene
Concen: 22.533 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion:105 Resp: 180294

Ion	Ratio	Lower	Upper
105	100		
120	47.9	23.9	71.7



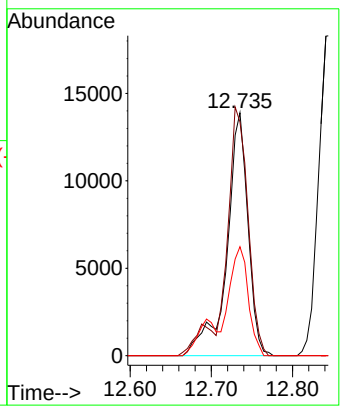


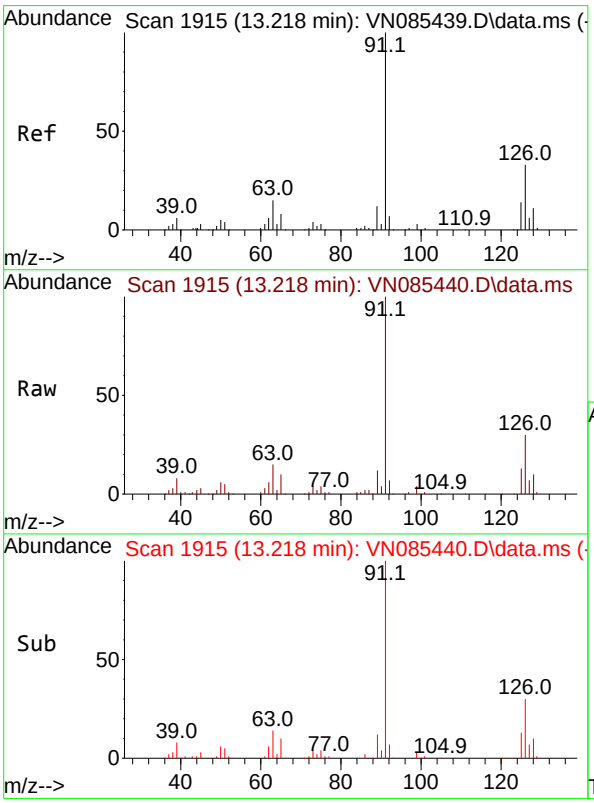
#81
trans-1,4-Dichloro-2-butene
Concen: 23.322 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 25146

Ion	Ratio	Lower	Upper
75	100		
53	94.6	95.6	143.4#
89	41.3	37.0	55.6

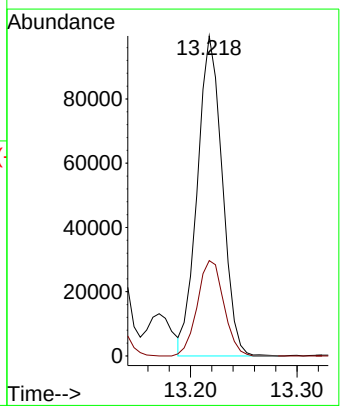


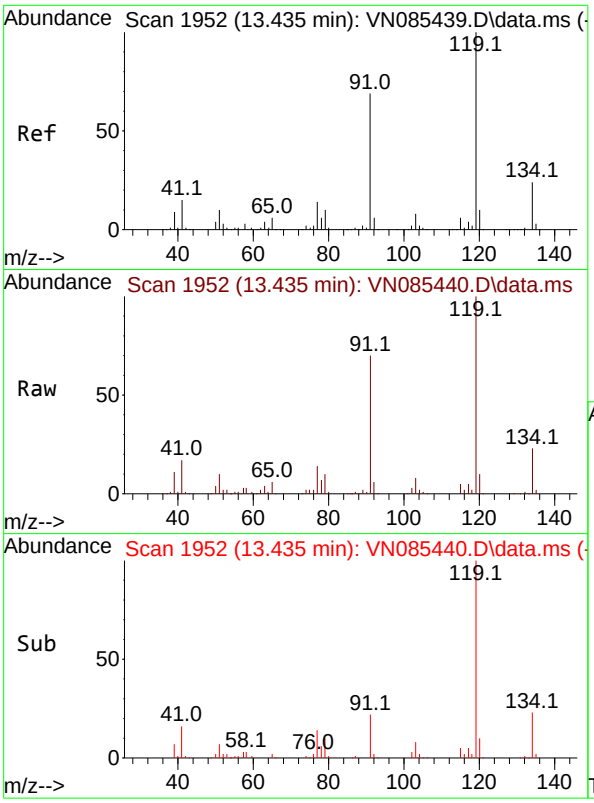


#82
4-Chlorotoluene
Concen: 21.906 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 91 Resp: 161880

Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.9	47.7



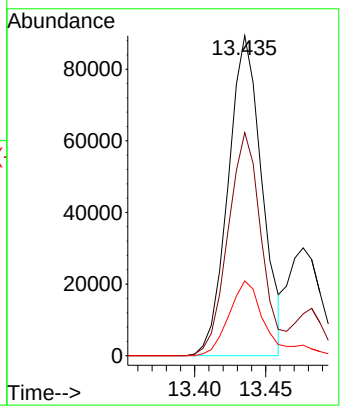


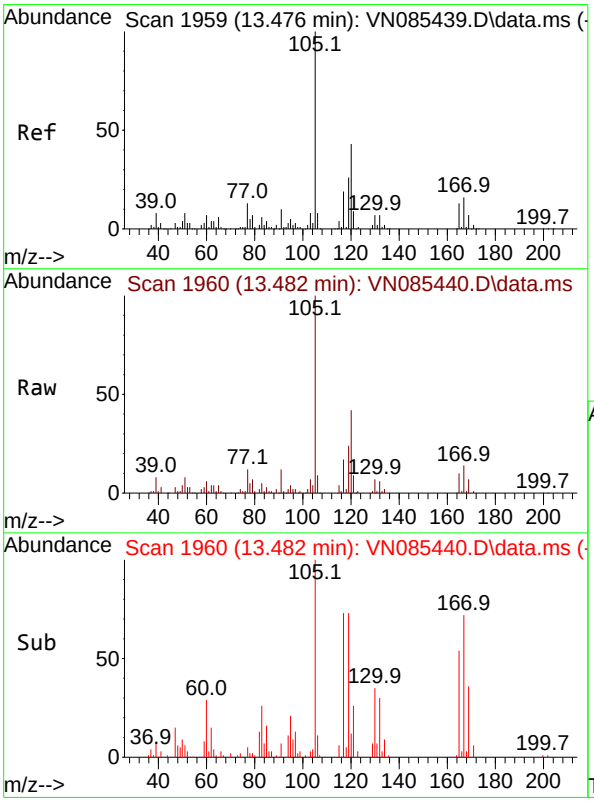
#83
tert-Butylbenzene
Concen: 21.958 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:119 Resp: 147541

Ion	Ratio	Lower	Upper
119	100		
91	69.5	35.1	105.3
134	25.5	12.0	36.1

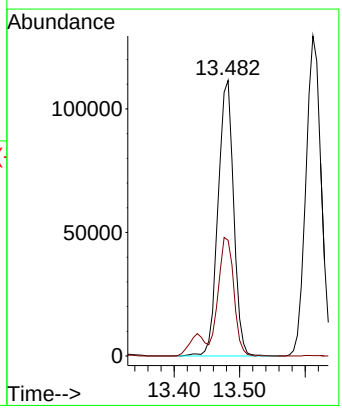


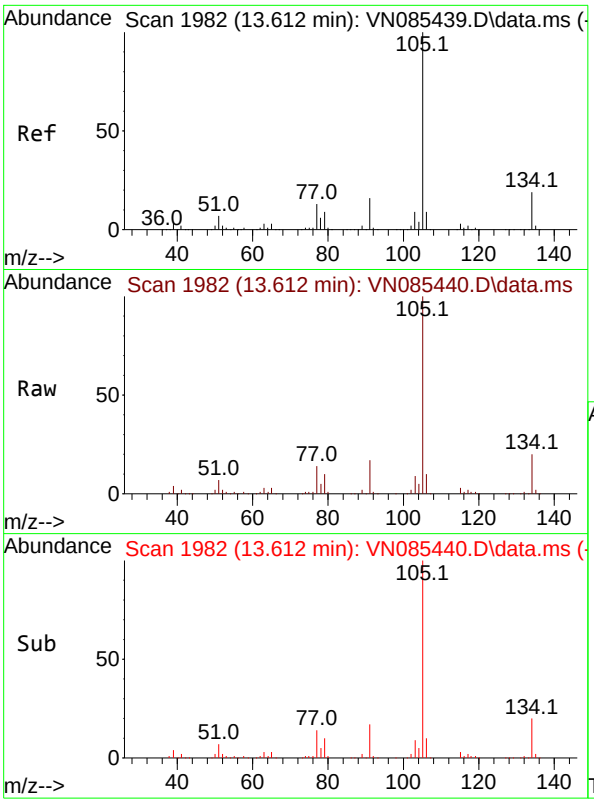


#84
1,2,4-Trimethylbenzene
Concen: 22.965 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion:105 Resp: 183144

Ion	Ratio	Lower	Upper
105	100		
120	42.8	21.6	65.0



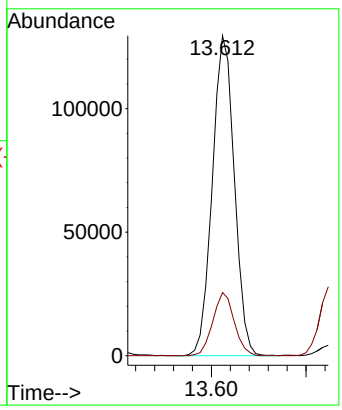


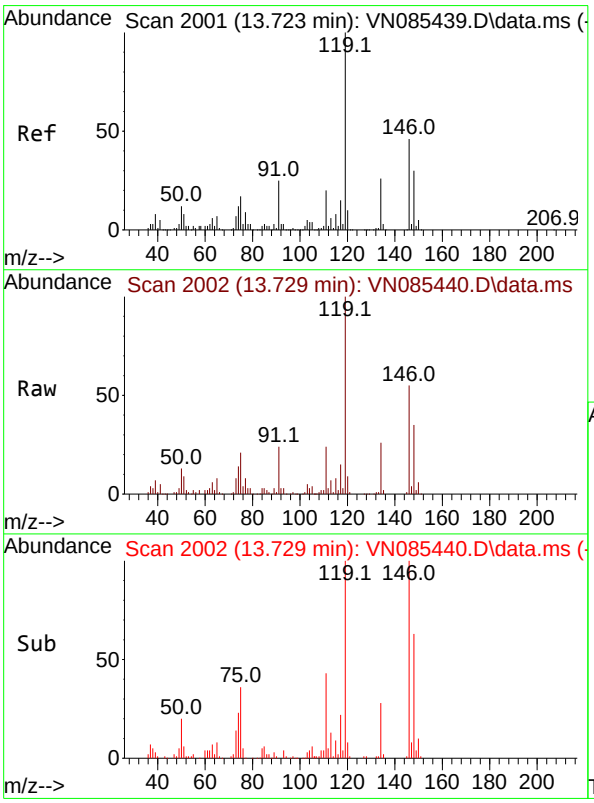
#85
sec-Butylbenzene
Concen: 22.457 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 209133

Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.7	28.9

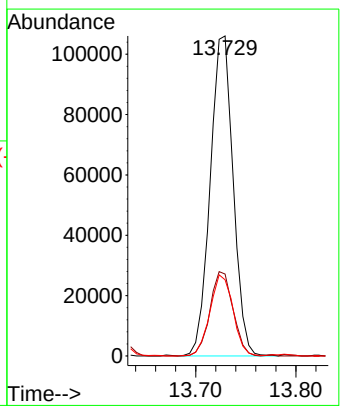


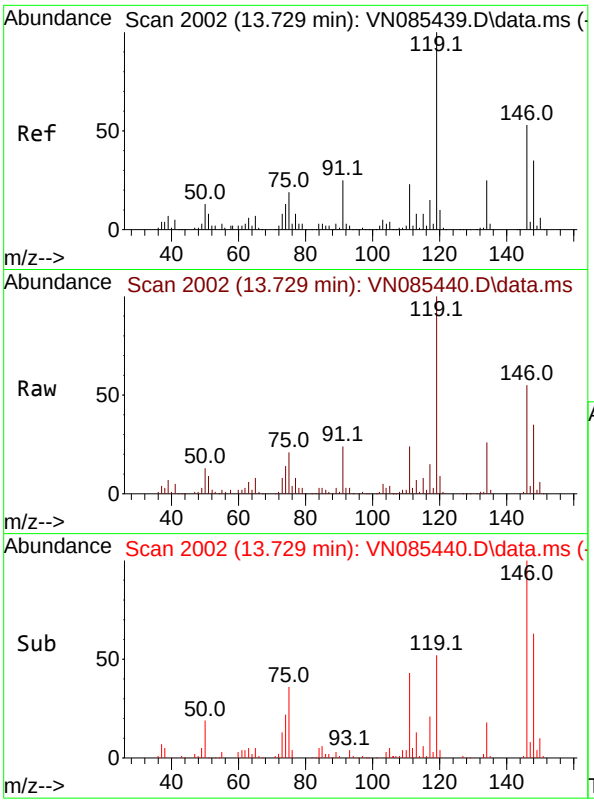


#86
p-Isopropyltoluene
Concen: 21.661 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion:119 Resp: 168888

Ion	Ratio	Lower	Upper
119	100		
134	26.4	12.7	38.0
91	25.5	12.7	38.1



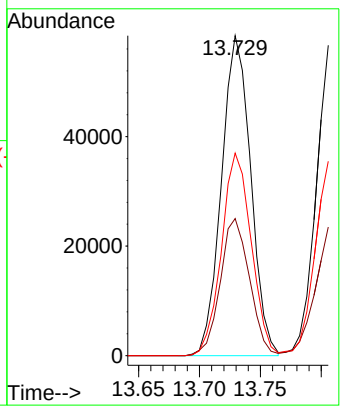


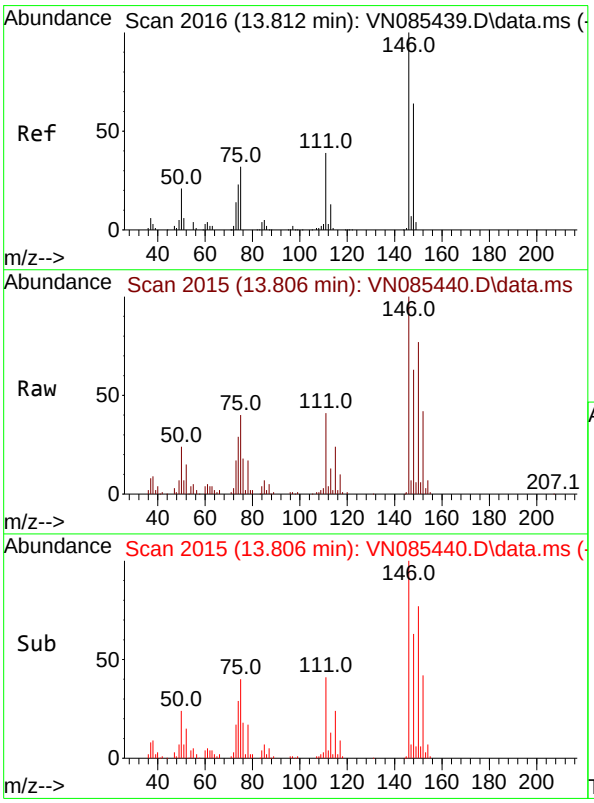
#87
1,3-Dichlorobenzene
Concen: 20.952 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 97652

Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.4	64.3
148	64.3	32.3	96.9

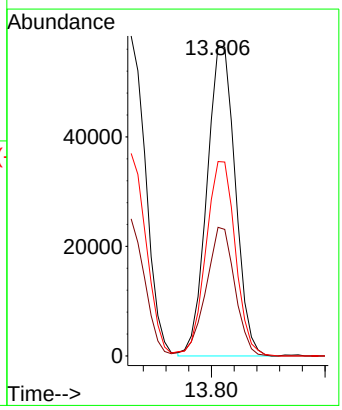


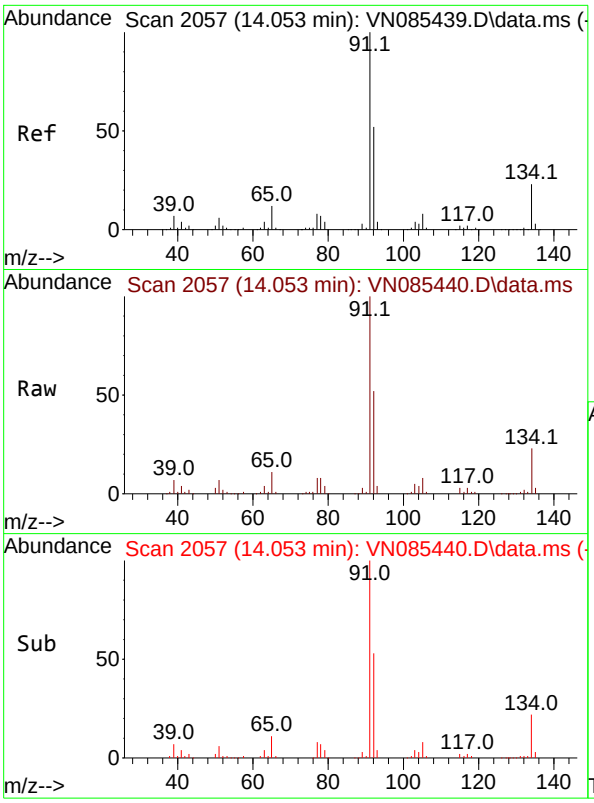


#88
1,4-Dichlorobenzene
Concen: 20.351 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. -0.006 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion:146 Resp: 98321

Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.3	63.7
148	65.1	32.4	97.0



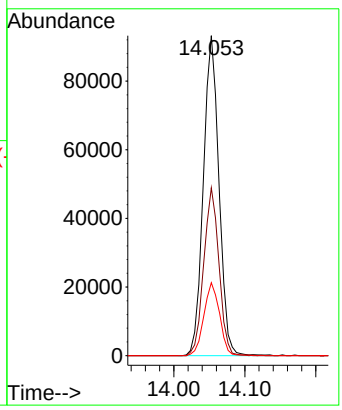


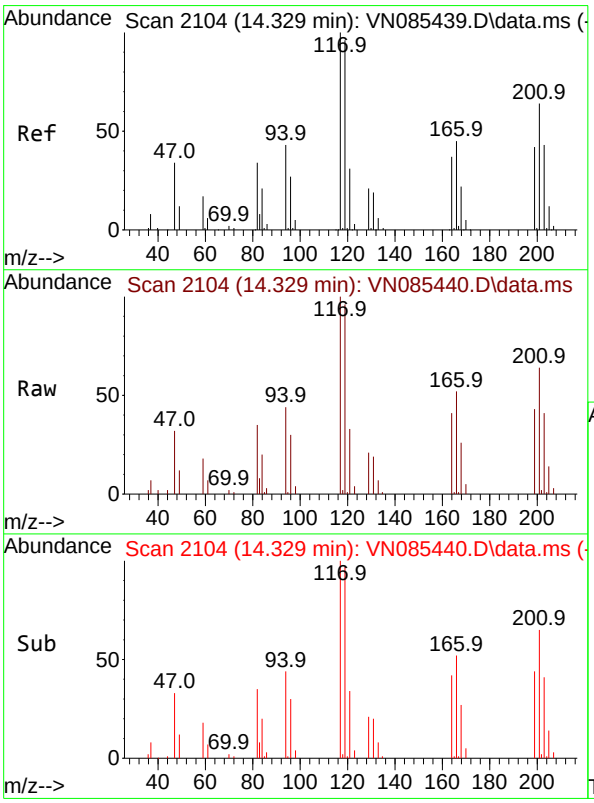
#89
n-Butylbenzene
Concen: 21.355 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 142673

Ion	Ratio	Lower	Upper
91	100		
92	51.0	25.8	77.3
134	23.0	11.7	35.1

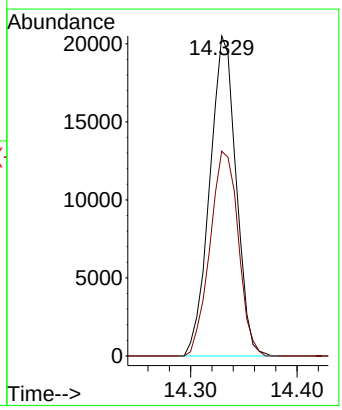


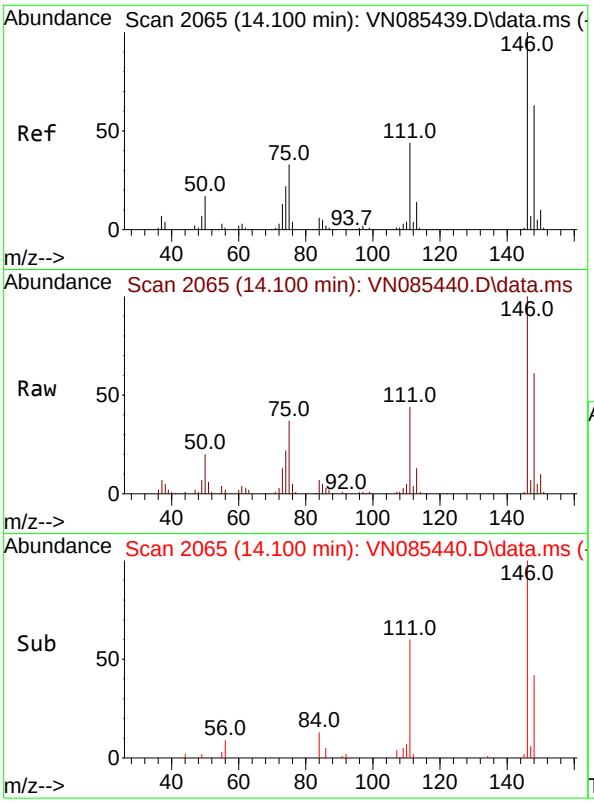


#90
Hexachloroethane
Concen: 19.858 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion:117 Resp: 35205

Ion	Ratio	Lower	Upper
117	100		
201	68.8	33.7	101.0



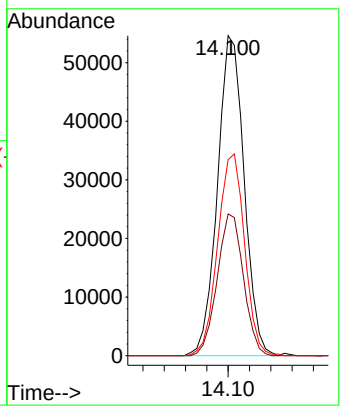


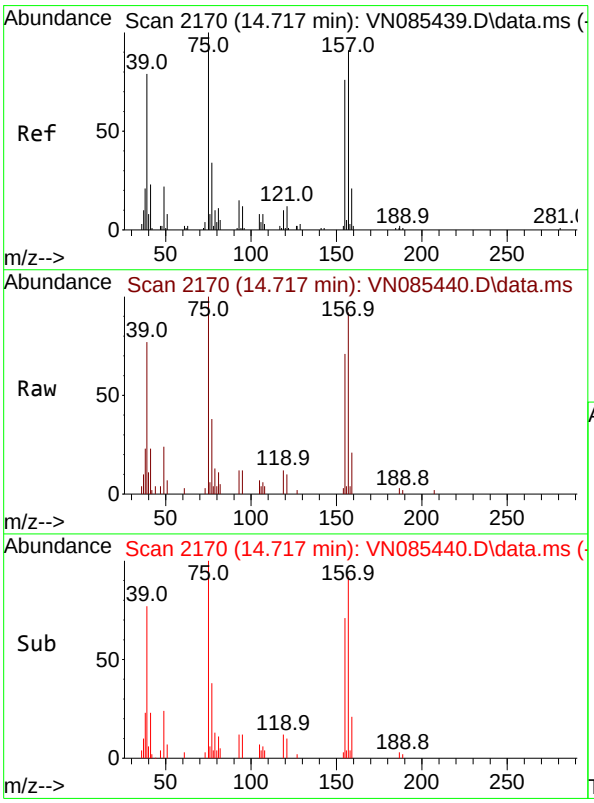
#91
1,2-Dichlorobenzene
Concen: 20.425 ug/l
RT: 14.100 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 94954

Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.7	65.1
148	63.5	31.4	94.2

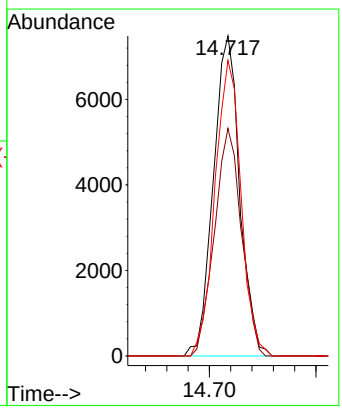


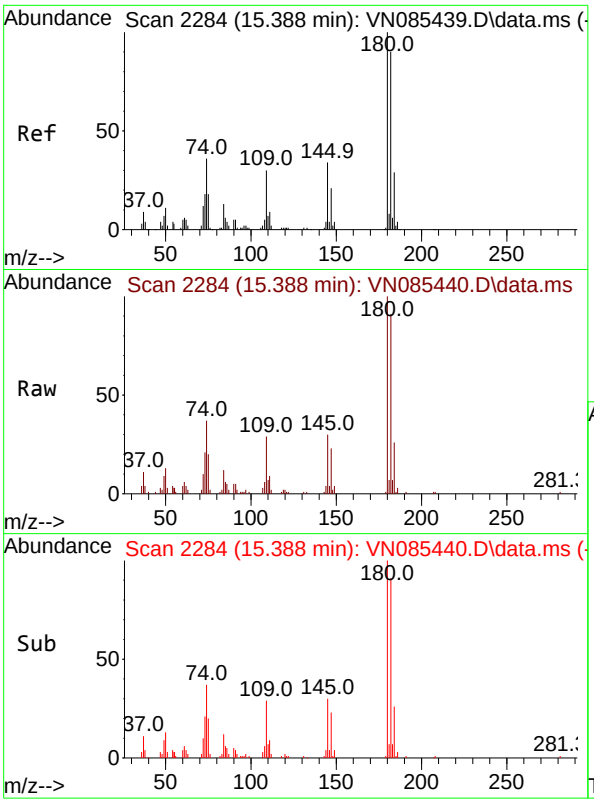


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.580 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion: 75 Resp: 12859

Ion	Ratio	Lower	Upper
75	100		
155	72.7	36.4	109.2
157	90.9	45.4	136.1



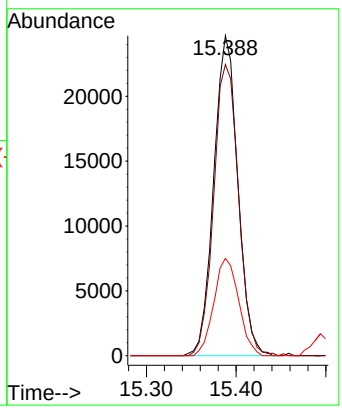


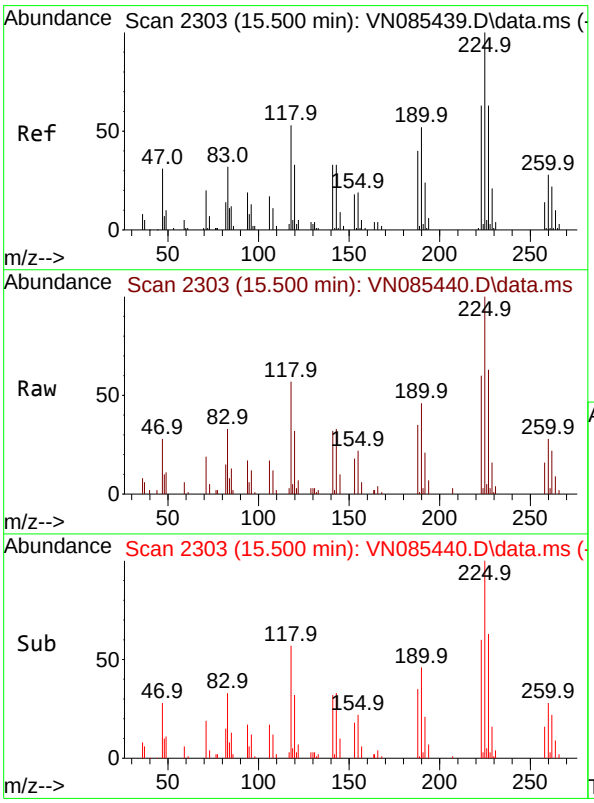
#93
1,2,4-Trichlorobenzene
Concen: 21.233 ug/l
RT: 15.388 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:180 Resp: 45878

Ion	Ratio	Lower	Upper
180	100		
182	94.2	46.8	140.3
145	31.4	16.0	48.0

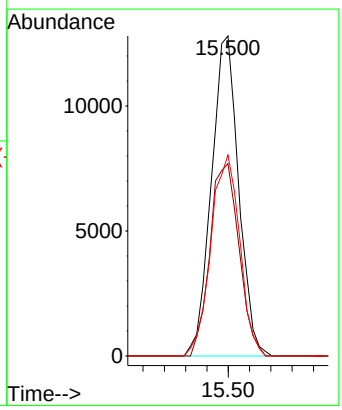


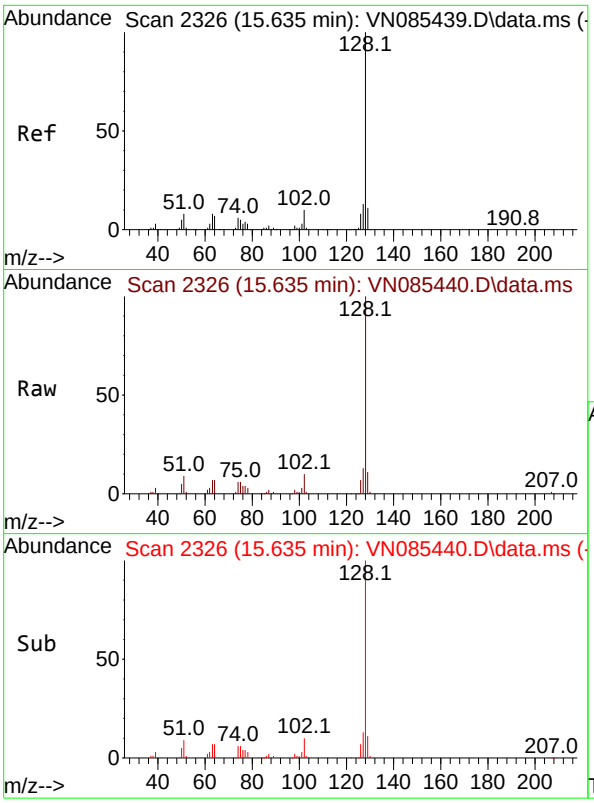


#94
Hexachlorobutadiene
Concen: 19.805 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion:225 Resp: 22719

Ion	Ratio	Lower	Upper
225	100		
223	64.3	30.7	92.1
227	66.3	30.9	92.5



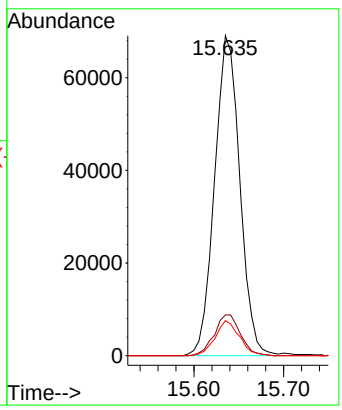


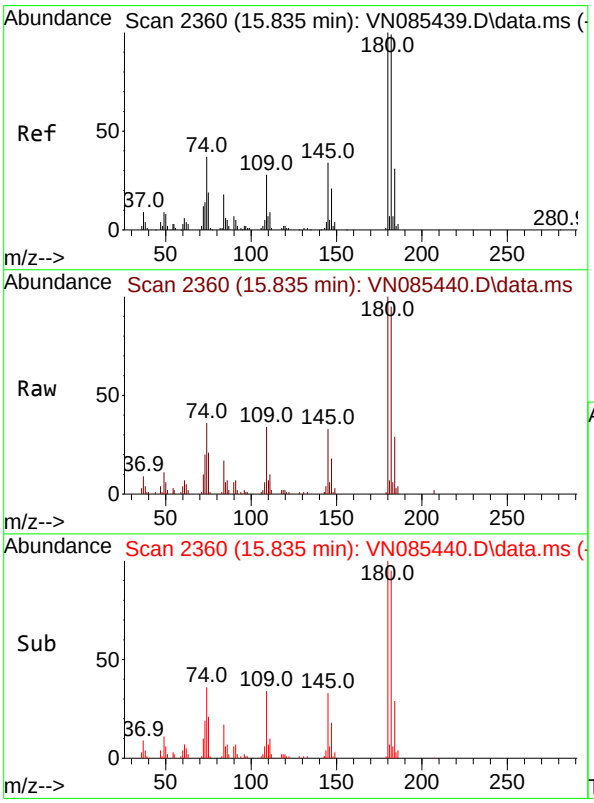
#95
Naphthalene
Concen: 20.906 ug/l
RT: 15.635 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:128 Resp: 134793

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	16.0
129	10.6	8.8	13.2

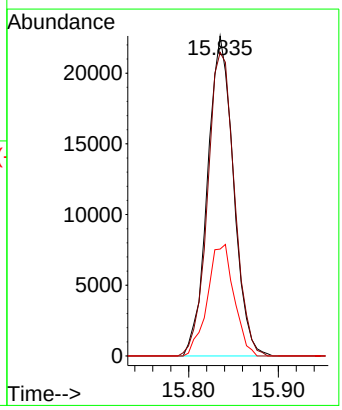




#96
1,2,3-Trichlorobenzene
Concen: 20.797 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN085440.D
Acq: 14 Jan 2025 15:43

Tgt Ion:180 Resp: 45468

Ion	Ratio	Lower	Upper
180	100		
182	97.9	47.4	142.2
145	35.7	16.9	50.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085441.D
Acq On : 14 Jan 2025 16:07
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Quant Time: Jan 15 01:44:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	195889	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	340403	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	294508	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	132934	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	29856	9.442	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 18.880%#			
35) Dibromofluoromethane	8.165	113	21110	8.939	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 17.880%#			
50) Toluene-d8	10.565	98	73223	8.727	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 17.460%#			
62) 4-Bromofluorobenzene	12.847	95	24327	8.476	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 16.960%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	26124	9.850	ug/l	96
3) Chloromethane	2.359	50	27143	9.452	ug/l	99
4) Vinyl Chloride	2.512	62	27862	9.653	ug/l	100
5) Bromomethane	2.965	94	17139	9.830	ug/l	87
6) Chloroethane	3.130	64	16791	9.175	ug/l	96
7) Trichlorofluoromethane	3.501	101	40755	9.731	ug/l	98
8) Diethyl Ether	3.953	74	12415	8.581	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.371	101	22982	9.742	ug/l	98
10) Methyl Iodide	4.589	142	25085	9.286	ug/l	99
11) Tert butyl alcohol	5.512	59	17962	49.608	ug/l	97
12) 1,1-Dichloroethene	4.342	96	20615	9.806	ug/l	99
13) Acrolein	4.177	56	25568	51.729	ug/l	99
14) Allyl chloride	5.018	41	32240	9.451	ug/l	97
15) Acrylonitrile	5.712	53	53959	46.918	ug/l	98
16) Acetone	4.424	43	48475	47.446	ug/l	98
17) Carbon Disulfide	4.712	76	60201	9.300	ug/l #	94
18) Methyl Acetate	5.030	43	30500	9.817	ug/l	98
19) Methyl tert-butyl Ether	5.789	73	65207	9.552	ug/l	91
20) Methylene Chloride	5.277	84	23723	9.379	ug/l	96
21) trans-1,2-Dichloroethene	5.783	96	21127	9.403	ug/l	97
22) Diisopropyl ether	6.671	45	71857	9.490	ug/l	97
23) Vinyl Acetate	6.600	43	250575	47.125	ug/l	98
24) 1,1-Dichloroethane	6.565	63	43099	9.335	ug/l	95
25) 2-Butanone	7.477	43	71191	47.350	ug/l	99
26) 2,2-Dichloropropane	7.483	77	36105	9.672	ug/l	99
27) cis-1,2-Dichloroethene	7.489	96	25049	9.466	ug/l	97
28) Bromochloromethane	7.806	49	19037	8.863	ug/l	97
29) Tetrahydrofuran	7.836	42	45641	47.881	ug/l	98
30) Chloroform	7.965	83	45792	9.596	ug/l	100
31) Cyclohexane	8.253	56	40211	10.020	ug/l #	93
32) 1,1,1-Trichloroethane	8.165	97	39170	9.358	ug/l	99
36) 1,1-Dichloropropene	8.371	75	30015	9.056	ug/l	97
37) Ethyl Acetate	7.559	43	30760	9.195	ug/l	97
38) Carbon Tetrachloride	8.359	117	36015	9.492	ug/l	94
39) Methylcyclohexane	9.594	83	27721	8.900	ug/l	95
40) Benzene	8.600	78	93680	9.407	ug/l	96

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085441.D
Acq On : 14 Jan 2025 16:07
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Quant Time: Jan 15 01:44:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	16859	9.686	ug/l		96
42) 1,2-Dichloroethane	8.665	62	35569	9.483	ug/l		99
43) Isopropyl Acetate	8.683	43	48926	9.127	ug/l		99
44) Trichloroethene	9.347	130	21113	9.108	ug/l		95
45) 1,2-Dichloropropane	9.618	63	22747	8.942	ug/l		97
46) Dibromomethane	9.706	93	17260	9.404	ug/l		99
47) Bromodichloromethane	9.883	83	35020	9.365	ug/l		98
48) Methyl methacrylate	9.677	41	21873	9.067	ug/l		97
49) 1,4-Dioxane	9.694	88	7734	190.382	ug/l		98
51) 4-Methyl-2-Pentanone	10.441	43	146990	47.254	ug/l		98
52) Toluene	10.630	92	54976	9.527	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	32780	9.276	ug/l		96
54) cis-1,3-Dichloropropene	10.312	75	35904	9.512	ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	21060	9.222	ug/l		98
56) Ethyl methacrylate	10.871	69	28454	9.042	ug/l		95
57) 1,3-Dichloropropane	11.159	76	37768	9.512	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.159	63	63110	43.550	ug/l		98
59) 2-Hexanone	11.194	43	101318	46.291	ug/l		98
60) Dibromochloromethane	11.353	129	25029	9.079	ug/l		98
61) 1,2-Dibromoethane	11.465	107	21055	9.263	ug/l		100
64) Tetrachloroethene	11.100	164	19934	9.928	ug/l		97
65) Chlorobenzene	11.888	112	61680	9.560	ug/l		93
66) 1,1,1,2-Tetrachloroethane	11.959	131	21853	9.229	ug/l		98
67) Ethyl Benzene	11.959	91	99248	9.445	ug/l		97
68) m/p-Xylenes	12.065	106	72431	18.650	ug/l		99
69) o-Xylene	12.394	106	34382	9.264	ug/l		99
70) Styrene	12.406	104	56285	9.163	ug/l		98
71) Bromoform	12.576	173	16071	9.485	ug/l	#	98
73) Isopropylbenzene	12.694	105	87003	9.697	ug/l		99
74) N-amyl acetate	12.494	43	37343	9.260	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	30770	9.709	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	39589	14.675	ug/l		43
77) Bromobenzene	12.976	156	22784	9.720	ug/l		97
78) n-propylbenzene	13.035	91	102262	9.628	ug/l		98
79) 2-Chlorotoluene	13.123	91	68346	9.943	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	71656	9.669	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	9236	9.248	ug/l		100
82) 4-Chlorotoluene	13.218	91	66773	9.756	ug/l		97
83) tert-Butylbenzene	13.435	119	59455	9.553	ug/l		98
84) 1,2,4-Trimethylbenzene	13.476	105	72046	9.754	ug/l		99
85) sec-Butylbenzene	13.612	105	83662	9.699	ug/l		99
86) p-Isopropyltoluene	13.729	119	67556	9.674	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	41843	9.693	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	42728	9.549	ug/l		99
89) n-Butylbenzene	14.053	91	57632	9.314	ug/l		97
90) Hexachloroethane	14.329	117	15261	9.294	ug/l		97
91) 1,2-Dichlorobenzene	14.106	146	40726	9.458	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	5639	9.744	ug/l		95
93) 1,2,4-Trichlorobenzene	15.388	180	18720	9.354	ug/l		99
94) Hexachlorobutadiene	15.500	225	10491	9.874	ug/l		98
95) Naphthalene	15.635	128	52054	8.717	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	19450	9.605	ug/l		96

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085441.D
Acq On : 14 Jan 2025 16:07
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Quant Time: Jan 15 01:44:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

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

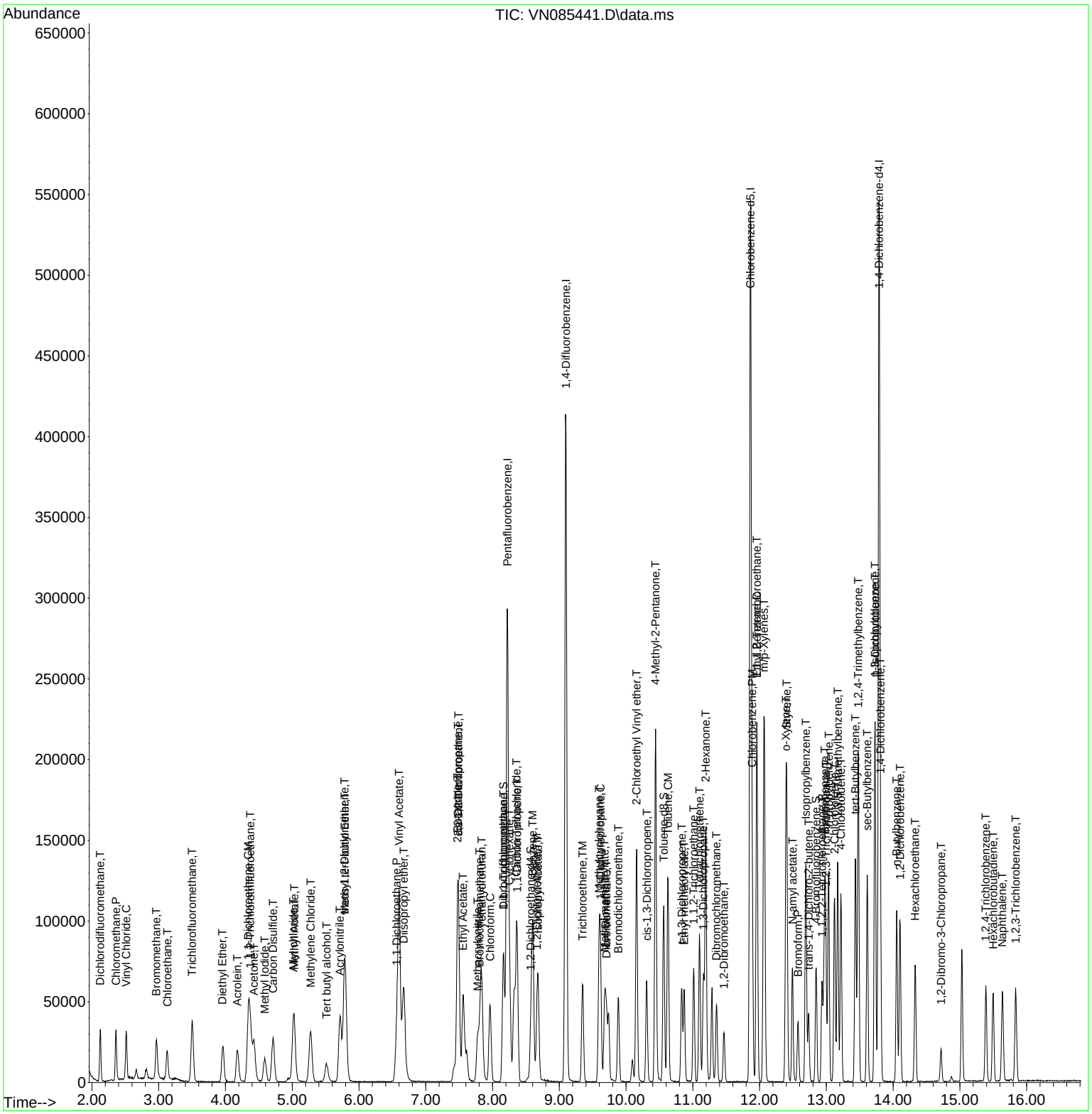
(#) = qualifier out of range (m) = manual integration (+) = signals summed

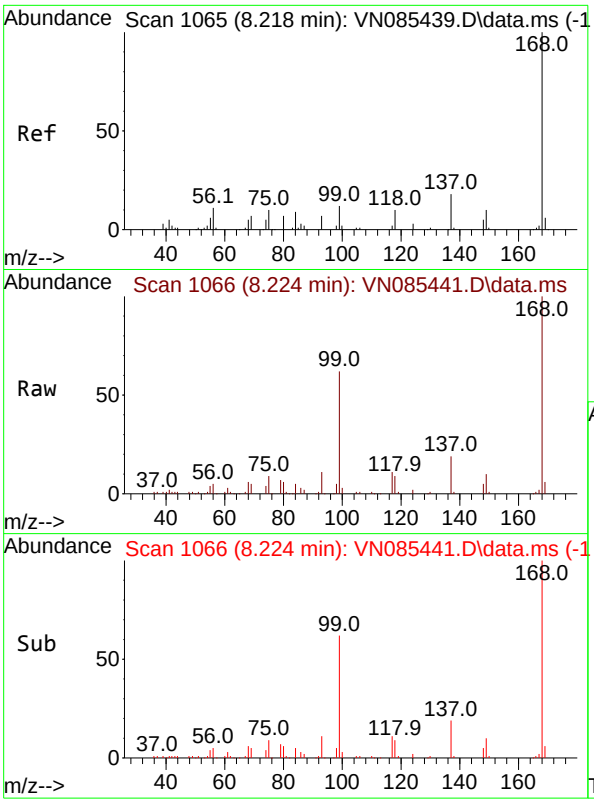
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085441.D
Acq On : 14 Jan 2025 16:07
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Quant Time: Jan 15 01:44:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration



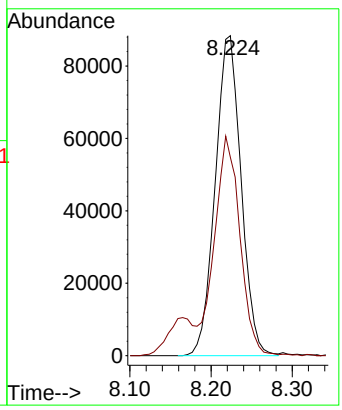


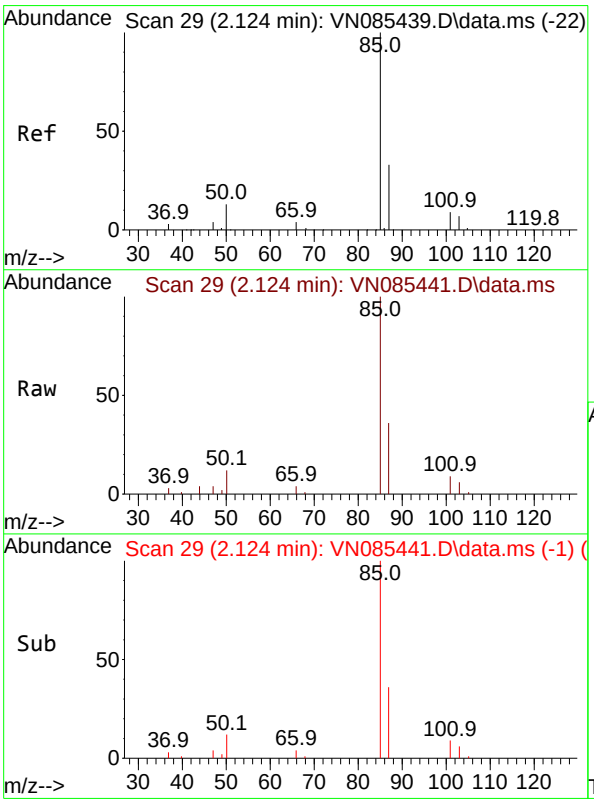
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:168 Resp: 195889

Ion	Ratio	Lower	Upper
168	100		
99	61.7	53.6	80.4

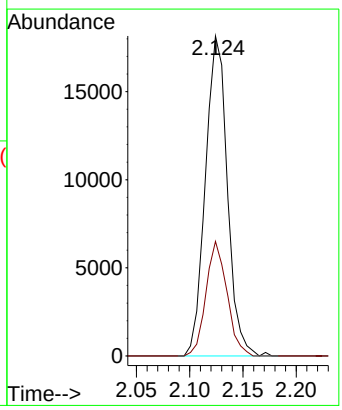


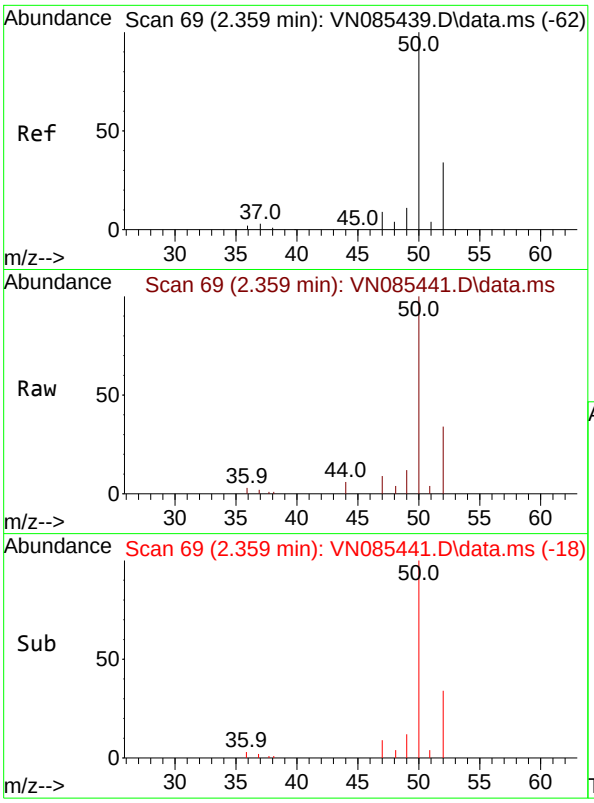


#2
Dichlorodifluoromethane
Concen: 9.850 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 85 Resp: 26124

Ion	Ratio	Lower	Upper
85	100		
87	35.8	16.7	50.1



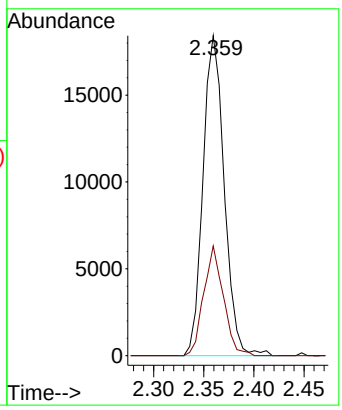


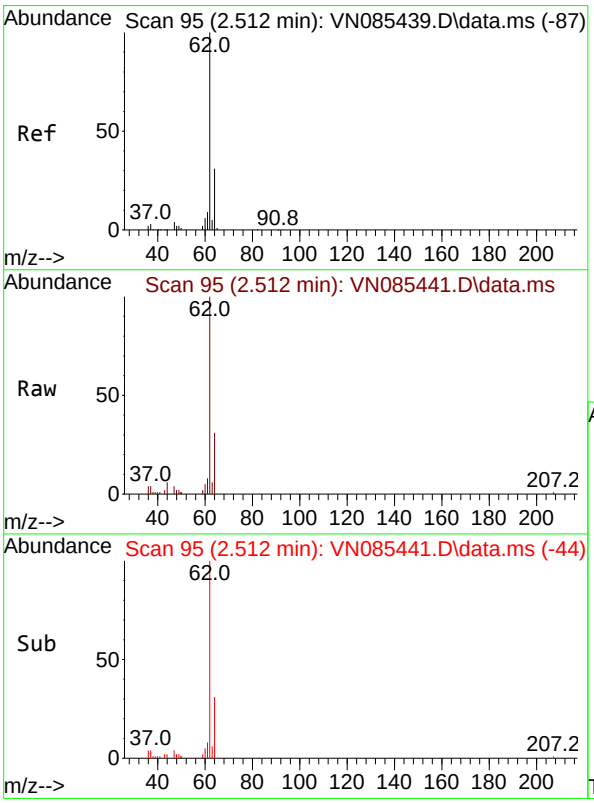
#3
Chloromethane
Concen: 9.452 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 50 Resp: 27143

Ion	Ratio	Lower	Upper
50	100		
52	34.3	27.0	40.6

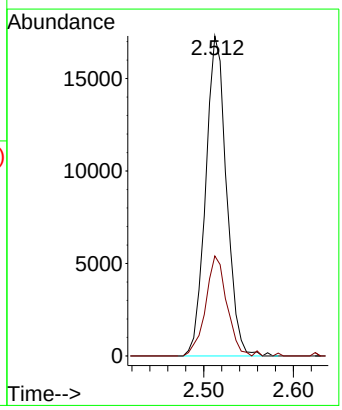


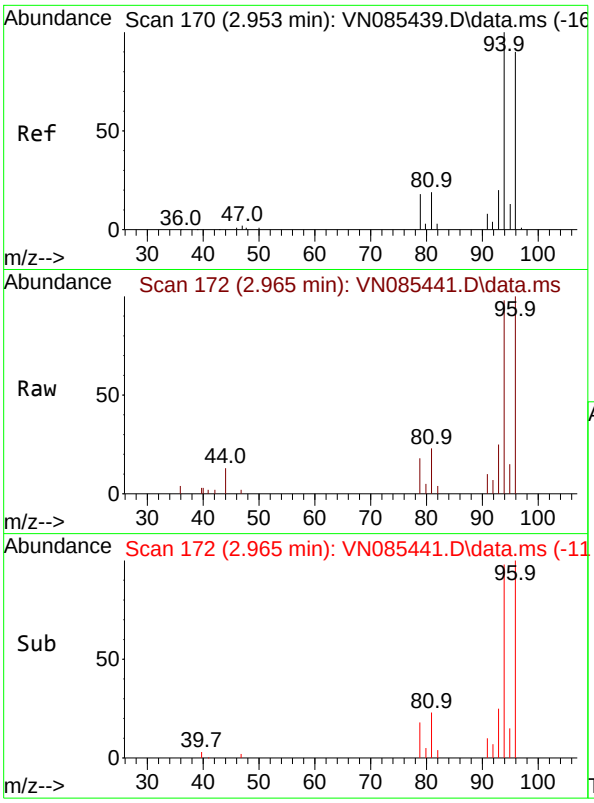


#4
Vinyl Chloride
Concen: 9.653 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 62 Resp: 27862

Ion	Ratio	Lower	Upper
62	100		
64	31.2	24.8	37.2



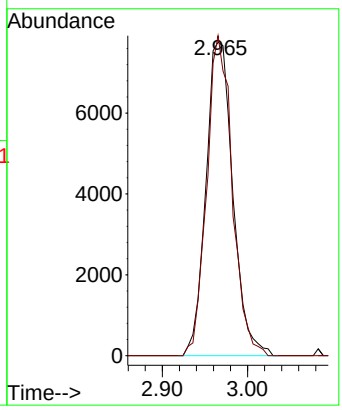


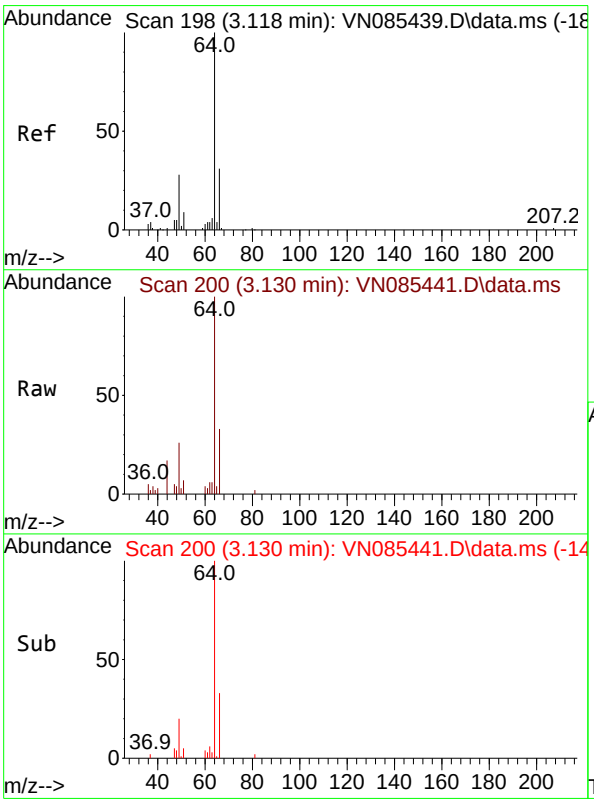
#5
Bromomethane
Concen: 9.830 ug/l
RT: 2.965 min Scan# 1
Delta R.T. 0.012 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 94 Resp: 17139

Ion	Ratio	Lower	Upper
94	100		
96	102.1	71.8	107.6

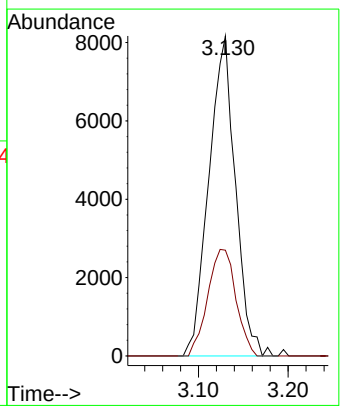


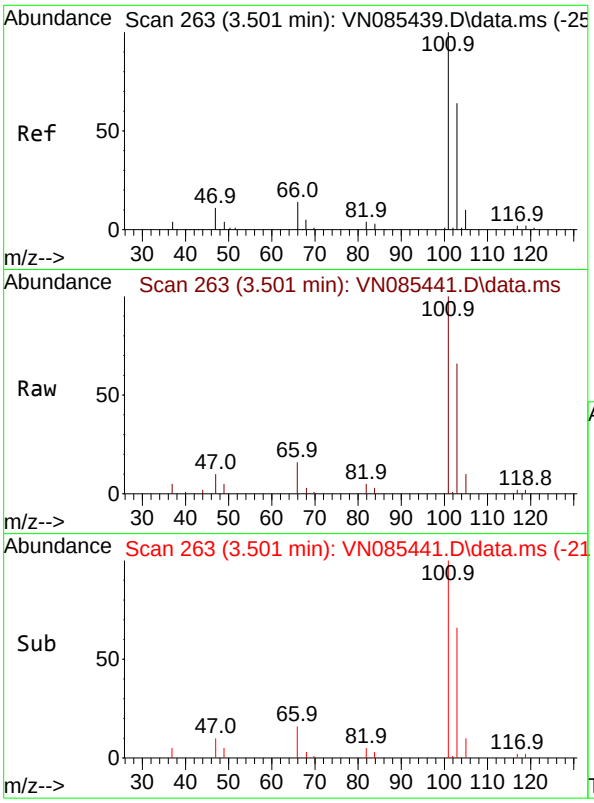


#6
Chloroethane
Concen: 9.175 ug/l
RT: 3.130 min Scan# 200
Delta R.T. 0.012 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 64 Resp: 16791

Ion	Ratio	Lower	Upper
64	100		
66	33.1	24.6	36.8



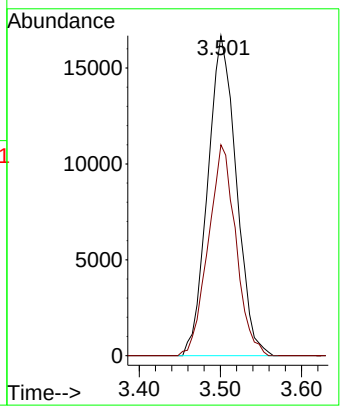


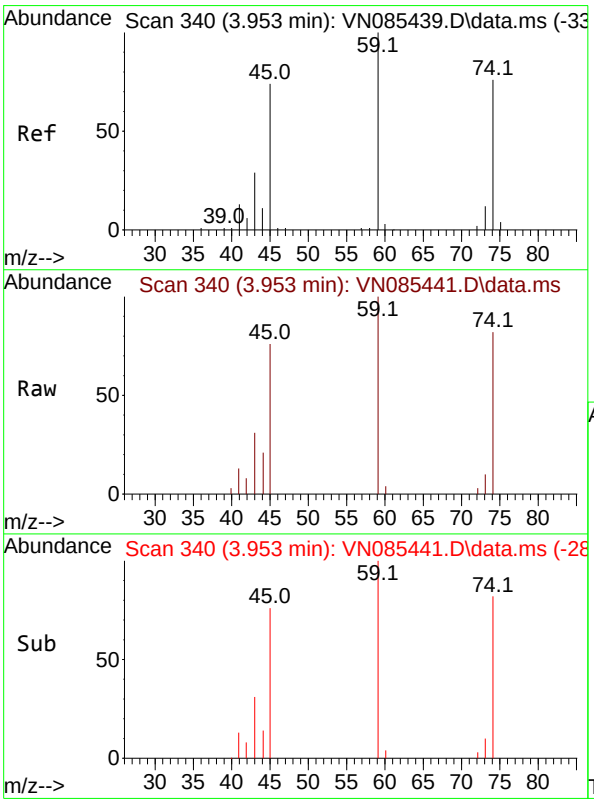
#7
Trichlorofluoromethane
Concen: 9.731 ug/l
RT: 3.501 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 40755

Ion	Ratio	Lower	Upper
101	100		
103	65.9	51.4	77.2

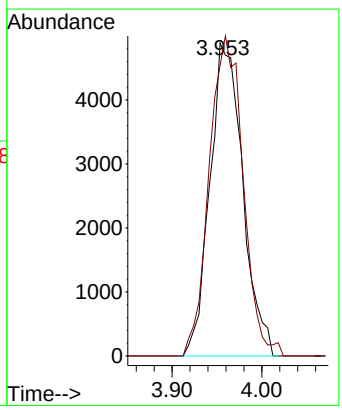


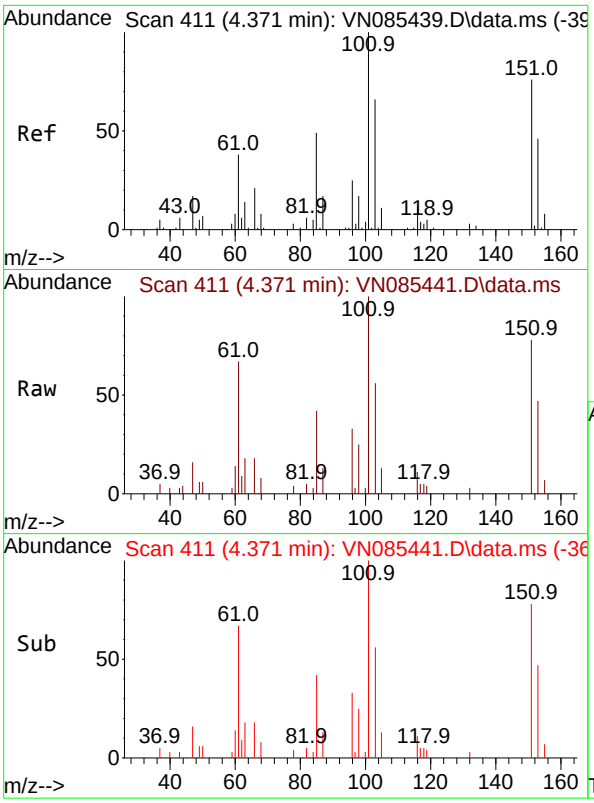


#8
Diethyl Ether
Concen: 8.581 ug/l
RT: 3.953 min Scan# 340
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 74 Resp: 12415

Ion	Ratio	Lower	Upper
74	100		
45	105.3	49.7	149.1



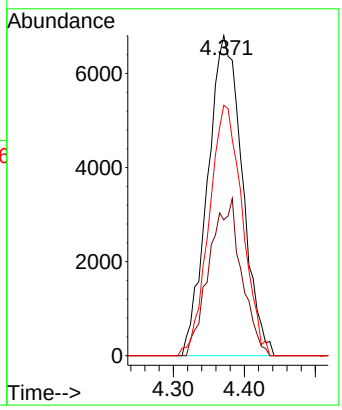


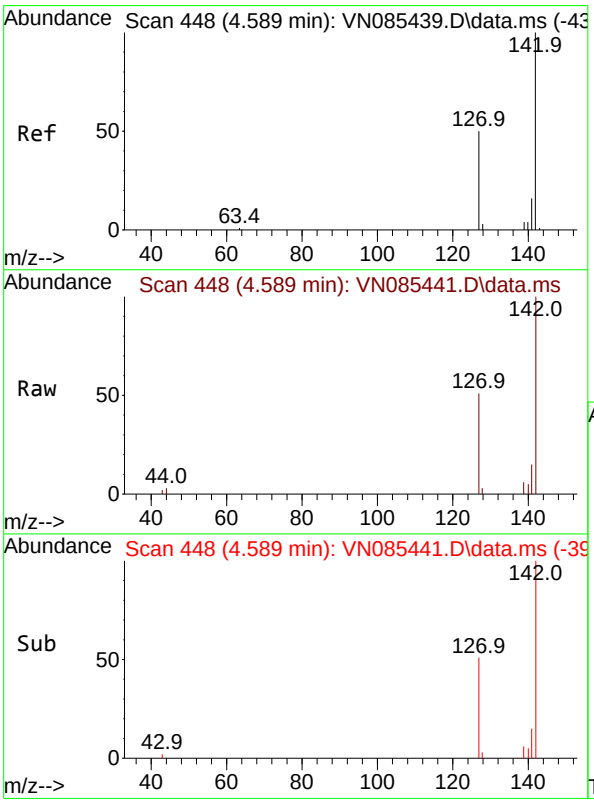
#9
1,1,2-Trichlorotrifluoroethane
Concen: 9.742 ug/l
RT: 4.371 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 22982

Ion	Ratio	Lower	Upper
101	100		
85	45.8	37.8	56.8
151	75.2	58.8	88.2

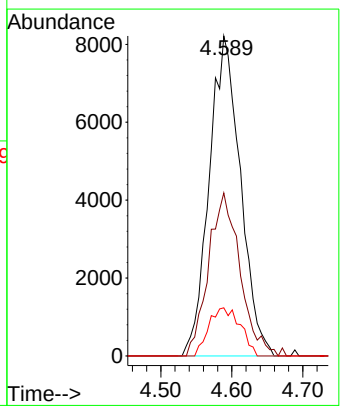


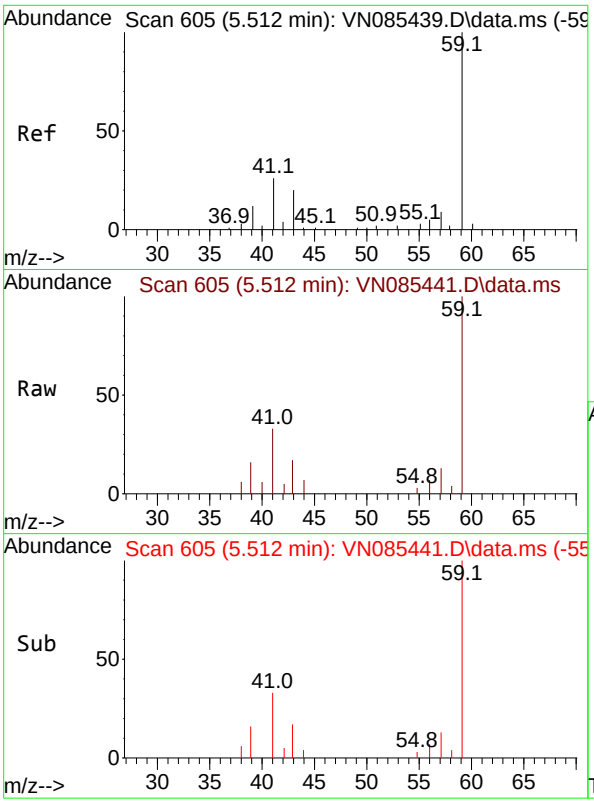


#10
Methyl Iodide
Concen: 9.286 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion:142 Resp: 25085

Ion	Ratio	Lower	Upper
142	100		
127	50.9	40.3	60.5
141	15.0	12.8	19.2



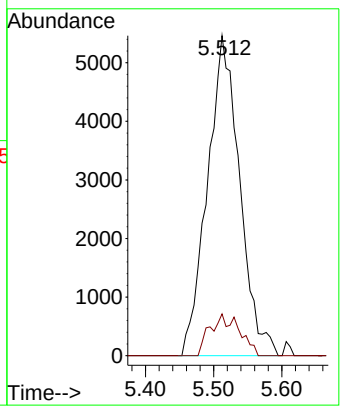


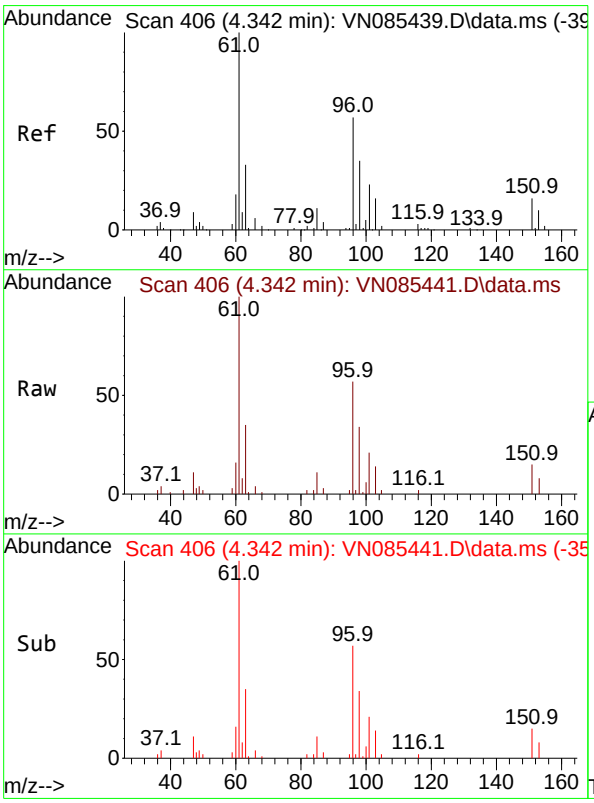
#11
Tert butyl alcohol
Concen: 49.608 ug/l
RT: 5.512 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 59 Resp: 17962

Ion	Ratio	Lower	Upper
59	100		
57	11.9	8.6	13.0

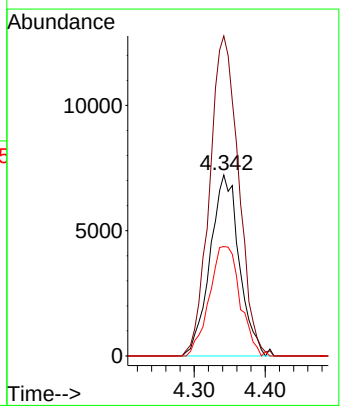


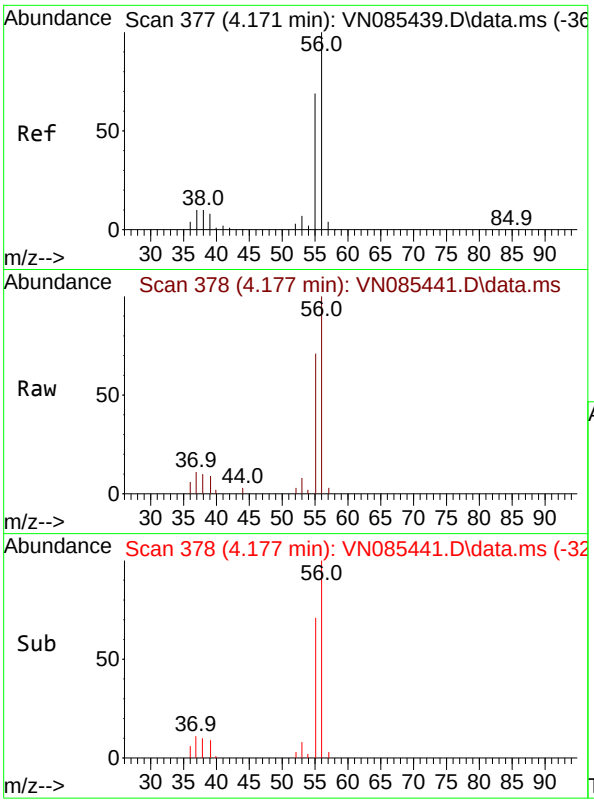


#12
1,1-Dichloroethene
Concen: 9.806 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 96 Resp: 20615

Ion	Ratio	Lower	Upper
96	100		
61	176.8	141.0	211.4
98	60.5	49.0	73.6



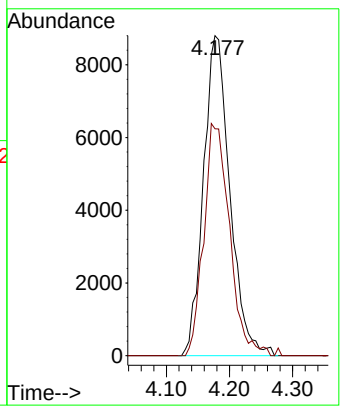


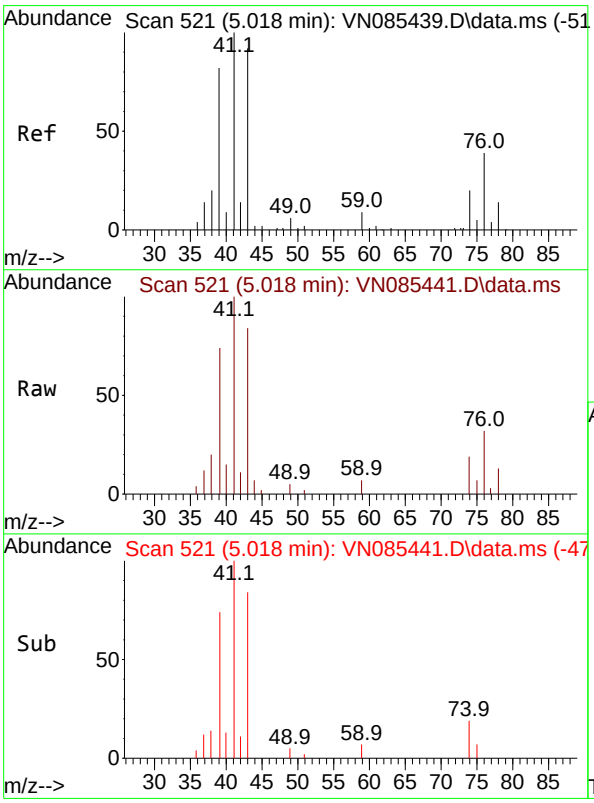
#13
Acrolein
Concen: 51.729 ug/l
RT: 4.177 min Scan# 3
Delta R.T. 0.006 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 56 Resp: 25568

Ion	Ratio	Lower	Upper
56	100		
55	70.9	56.3	84.5

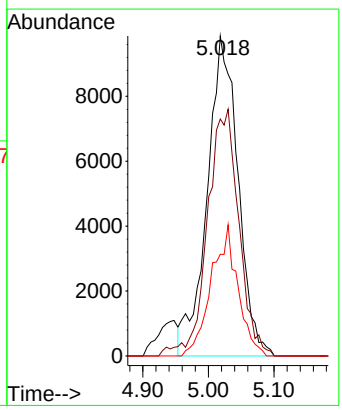


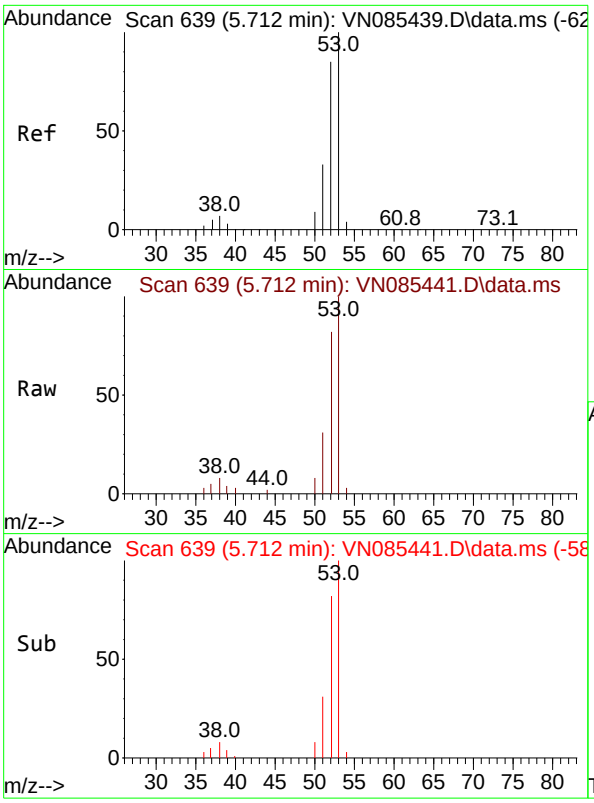


#14
Allyl chloride
Concen: 9.451 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 41 Resp: 32240

Ion	Ratio	Lower	Upper
41	100		
39	78.3	64.4	96.6
76	35.1	30.5	45.7



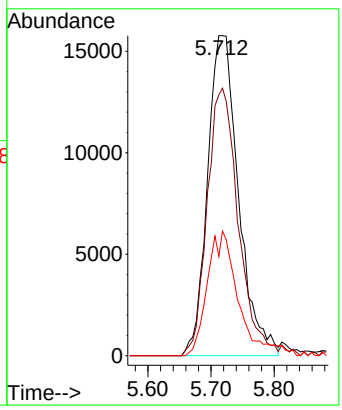


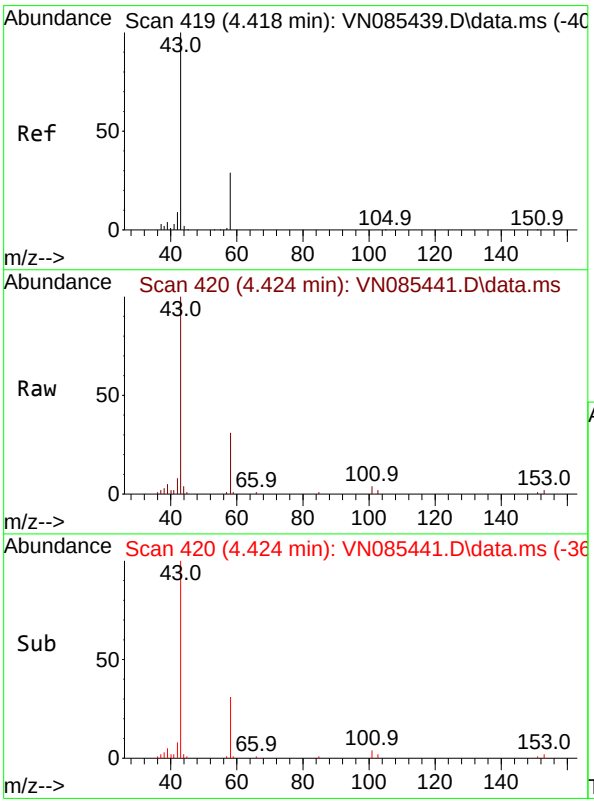
#15
Acrylonitrile
Concen: 46.918 ug/l
RT: 5.712 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 53 Resp: 53959

Ion	Ratio	Lower	Upper
53	100		
52	83.3	65.5	98.3
51	38.8	29.8	44.8

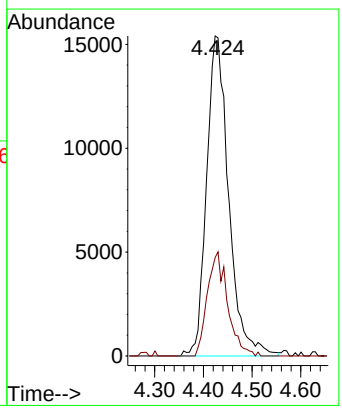


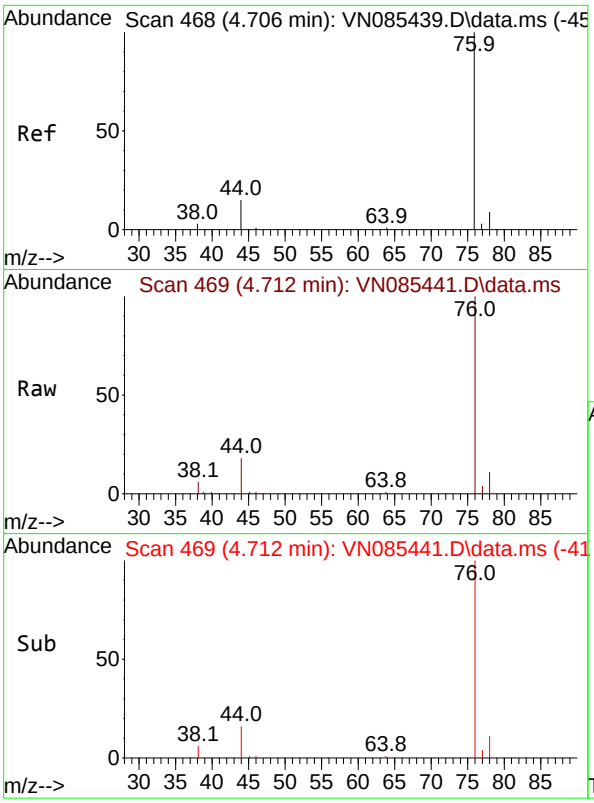


#16
Acetone
Concen: 47.446 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 43 Resp: 48475

Ion	Ratio	Lower	Upper
43	100		
58	30.8	23.8	35.6



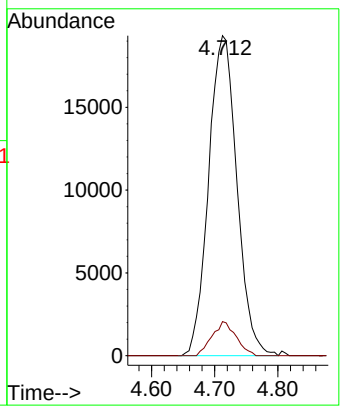


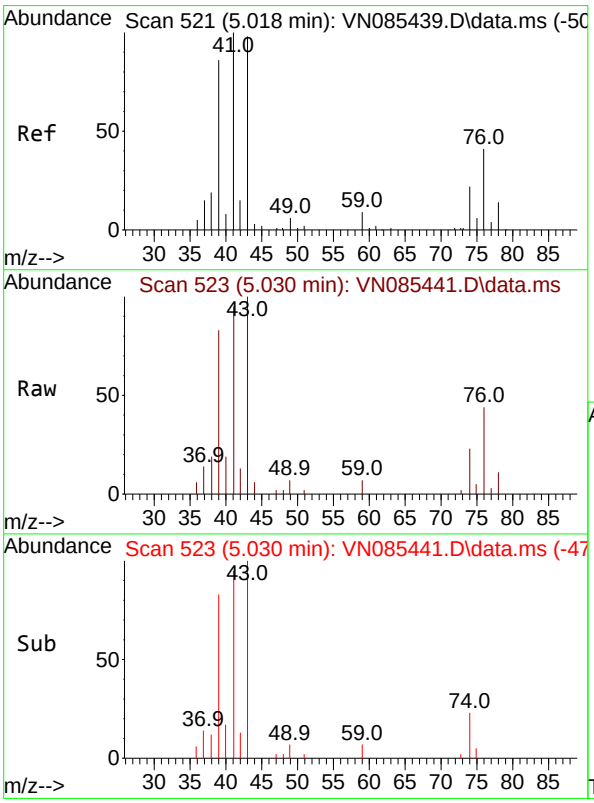
#17
Carbon Disulfide
Concen: 9.300 ug/l
RT: 4.712 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 60201

Ion	Ratio	Lower	Upper
76	100		
78	10.7	6.9	10.3#

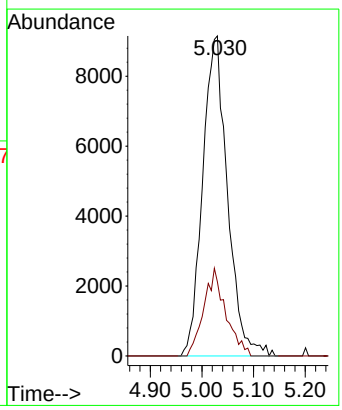


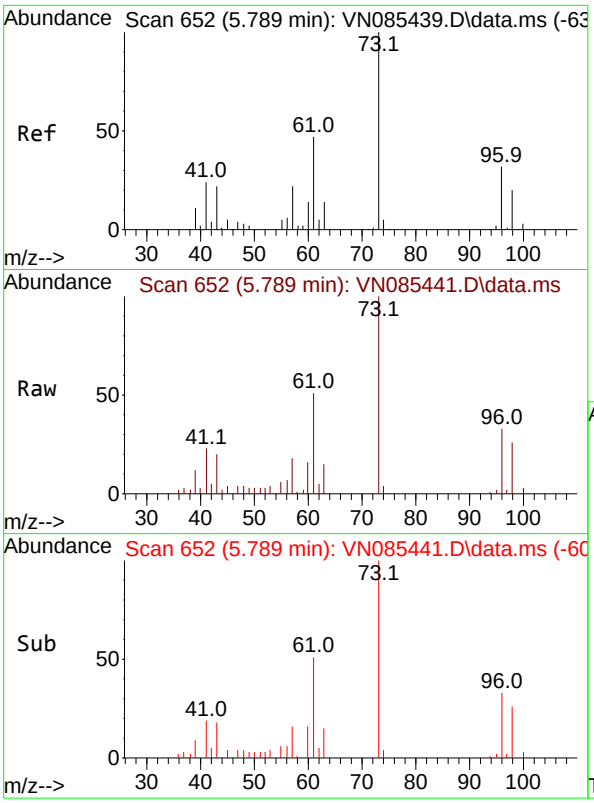


#18
Methyl Acetate
Concen: 9.817 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 43 Resp: 30500

Ion	Ratio	Lower	Upper
43	100		
74	24.3	18.6	28.0



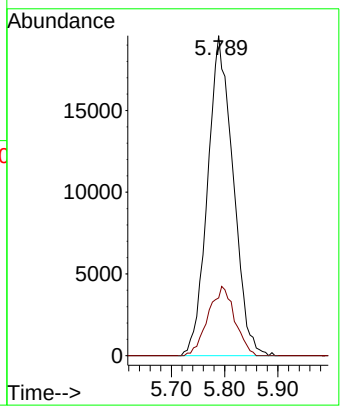


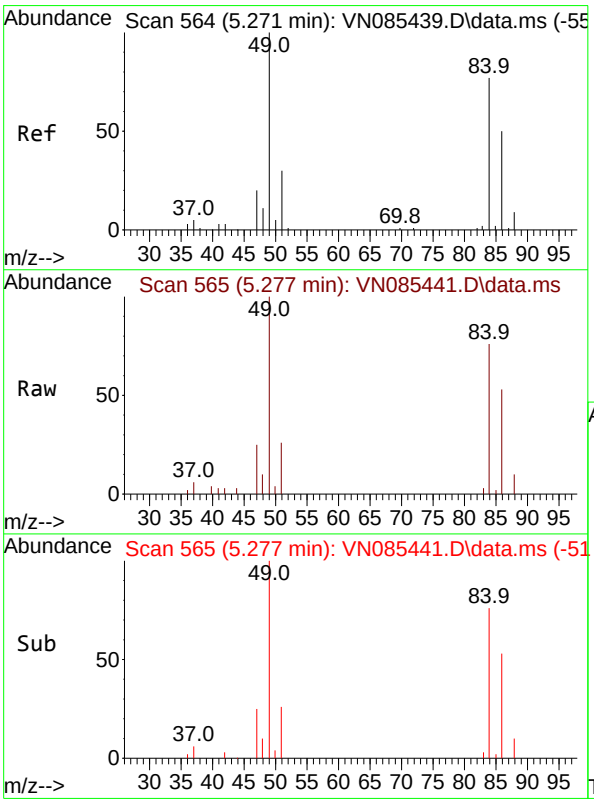
#19
Methyl tert-butyl Ether
Concen: 9.552 ug/l
RT: 5.789 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 73 Resp: 65207

Ion	Ratio	Lower	Upper
73	100		
57	18.1	17.8	26.8

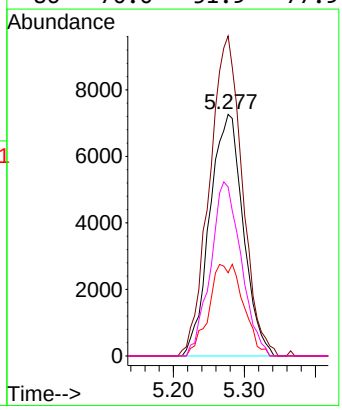


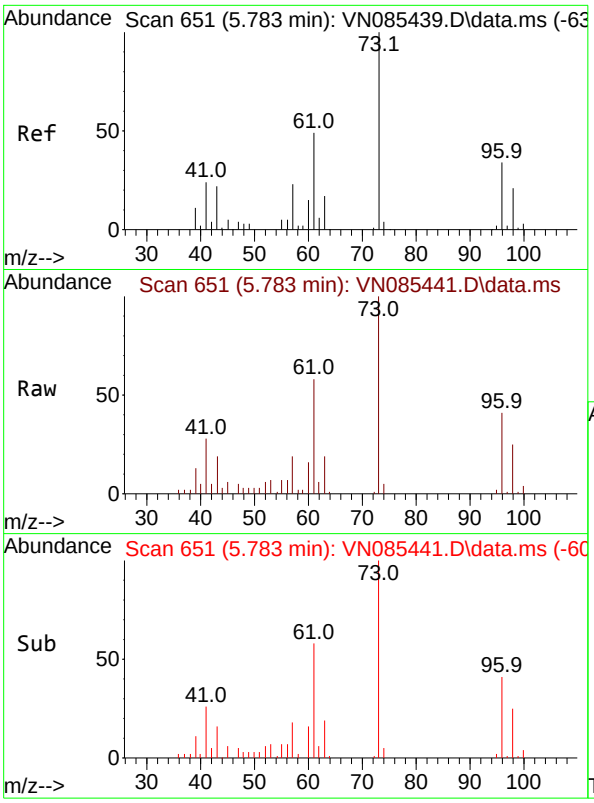


#20
Methylene Chloride
Concen: 9.379 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 84 Resp: 23723

Ion	Ratio	Lower	Upper
84	100		
49	132.4	104.1	156.1
51	34.4	31.0	46.4
86	70.0	51.9	77.9



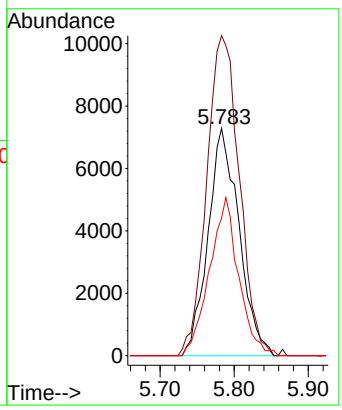


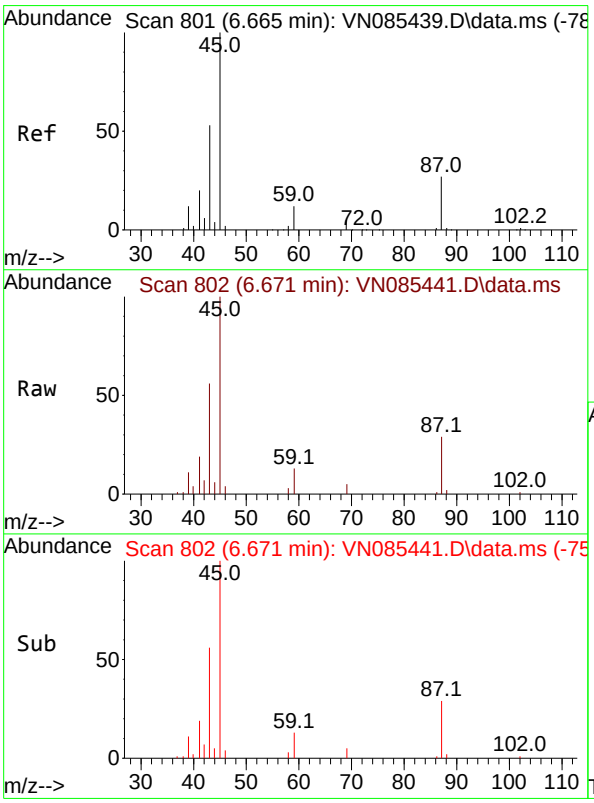
#21
trans-1,2-Dichloroethene
Concen: 9.403 ug/l
RT: 5.783 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 96 Resp: 21127

Ion	Ratio	Lower	Upper
96	100		
61	140.8	115.7	173.5
98	60.5	49.8	74.8

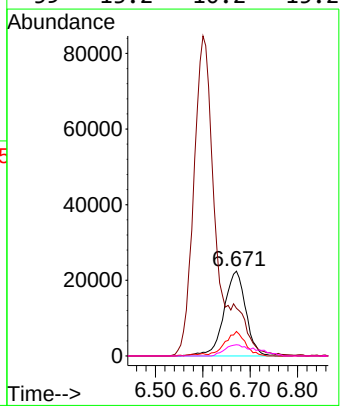


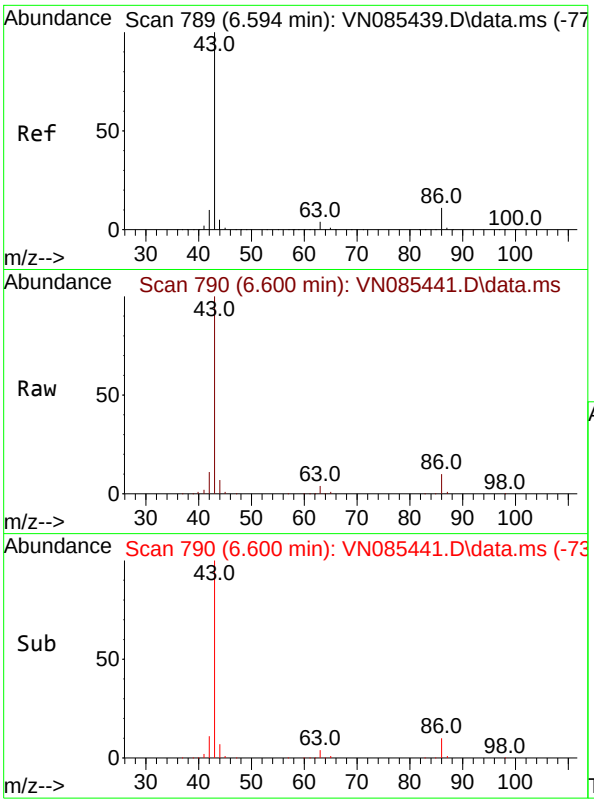


#22
Diisopropyl ether
Concen: 9.490 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.006 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 45 Resp: 71857

Ion	Ratio	Lower	Upper
45	100		
43	53.2	45.0	67.6
87	28.8	21.8	32.8
59	13.2	10.2	15.2



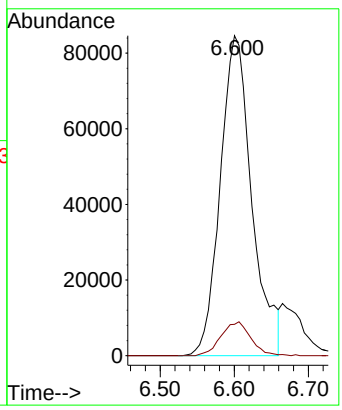


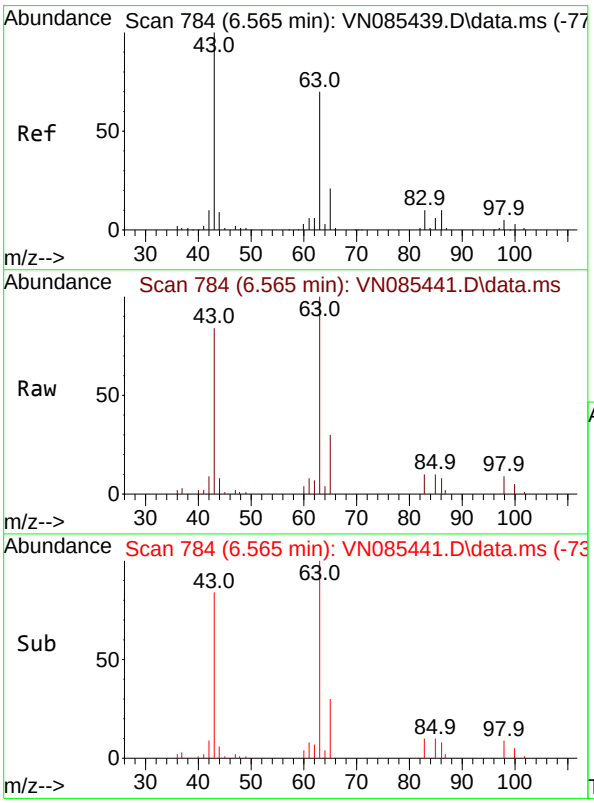
#23
Vinyl Acetate
Concen: 47.125 ug/l
RT: 6.600 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 250575

Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.4	12.6

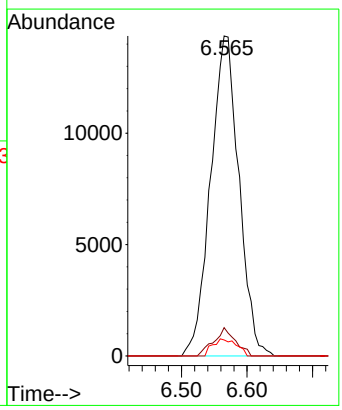


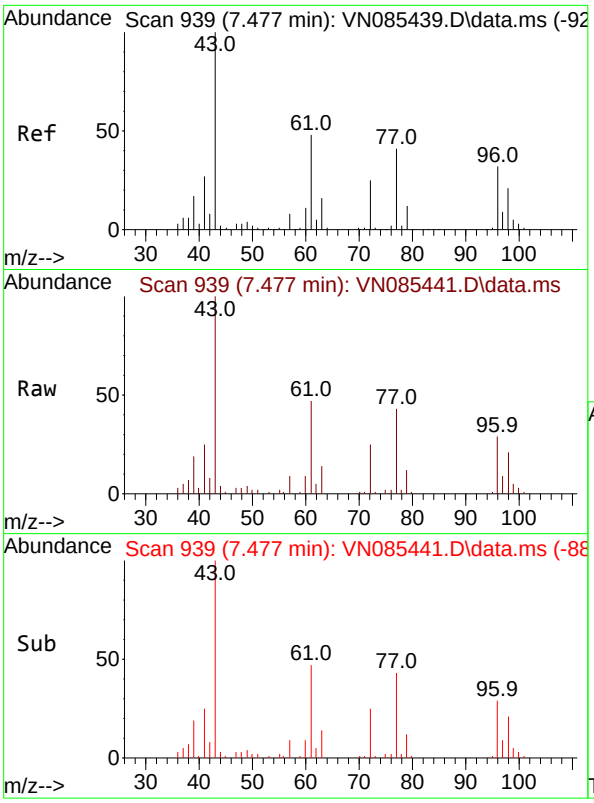


#24
1,1-Dichloroethane
Concen: 9.335 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 63 Resp: 43099

Ion	Ratio	Lower	Upper
63	100		
98	8.8	3.3	9.8
100	5.0	2.0	6.0



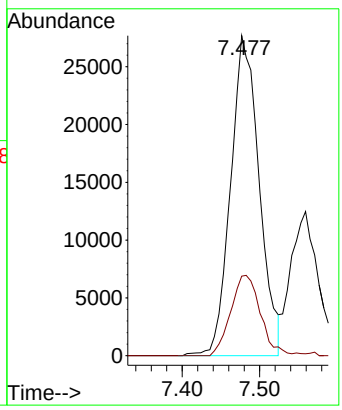


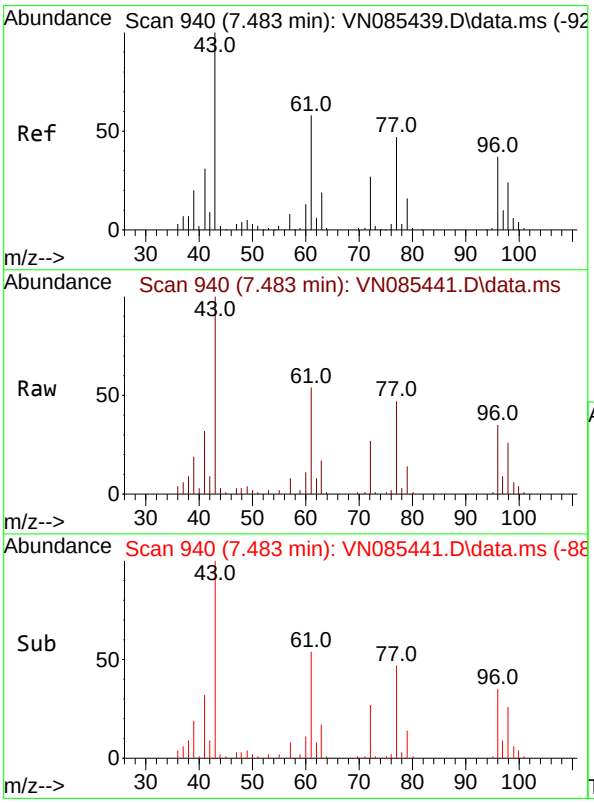
#25
2-Butanone
Concen: 47.350 ug/l
RT: 7.477 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 71191

Ion	Ratio	Lower	Upper
43	100		
72	24.8	20.2	30.4

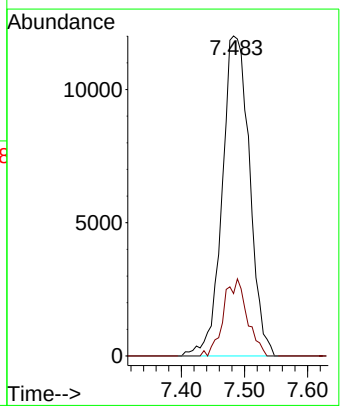


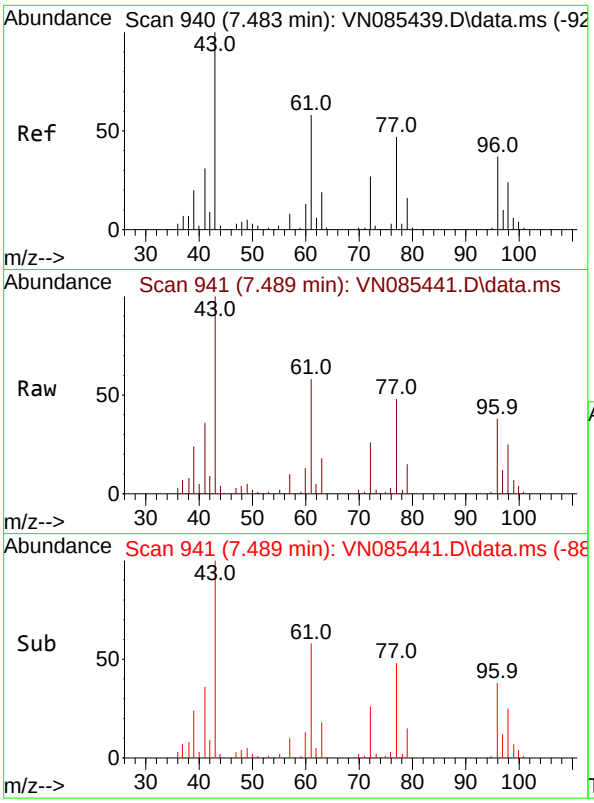


#26
2,2-Dichloropropane
Concen: 9.672 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 77 Resp: 36105

Ion	Ratio	Lower	Upper
77	100		
97	20.8	10.7	32.1



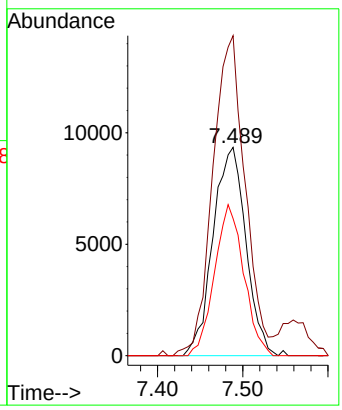


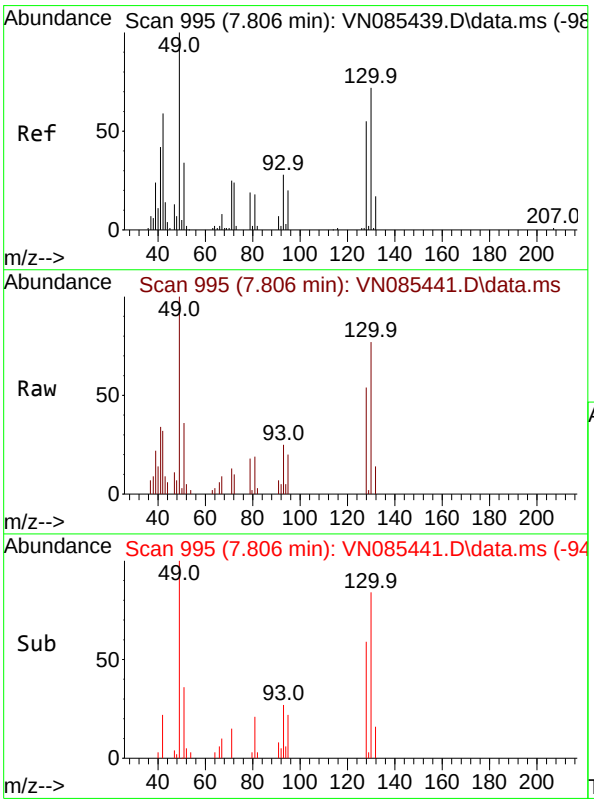
#27
cis-1,2-Dichloroethene
Concen: 9.466 ug/l
RT: 7.489 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 96 Resp: 25049

Ion	Ratio	Lower	Upper
96	100		
61	151.8	0.0	311.8
98	64.7	0.0	126.0

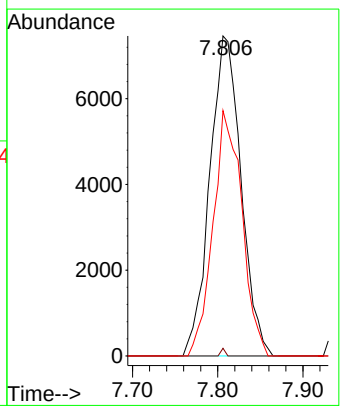


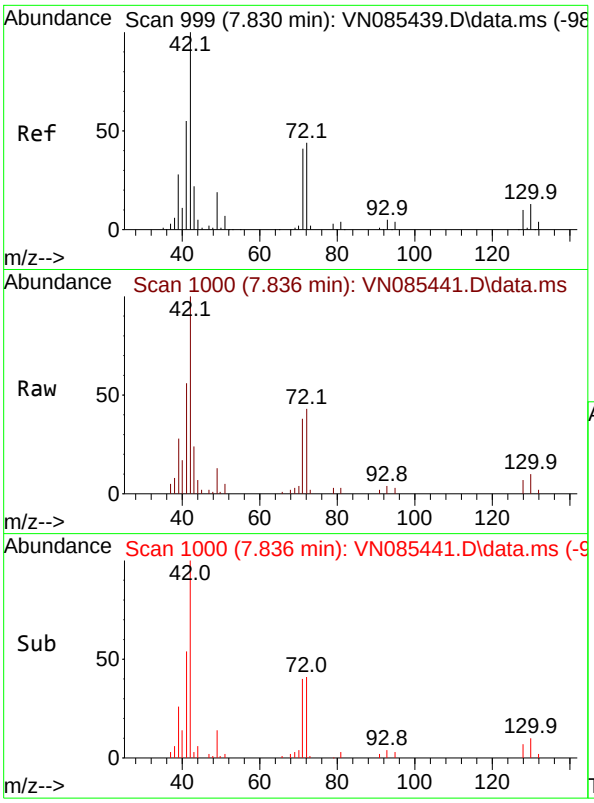


#28
Bromochloromethane
Concen: 8.863 ug/l
RT: 7.806 min Scan# 995
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 49 Resp: 19037

Ion	Ratio	Lower	Upper
49	100		
129	0.3	0.0	4.4
130	70.8	55.0	82.4



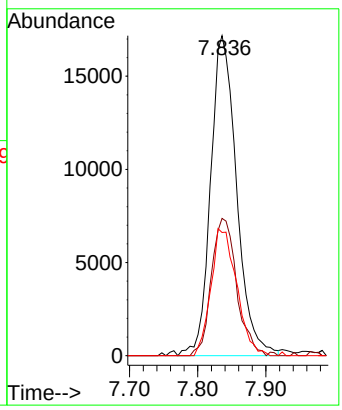


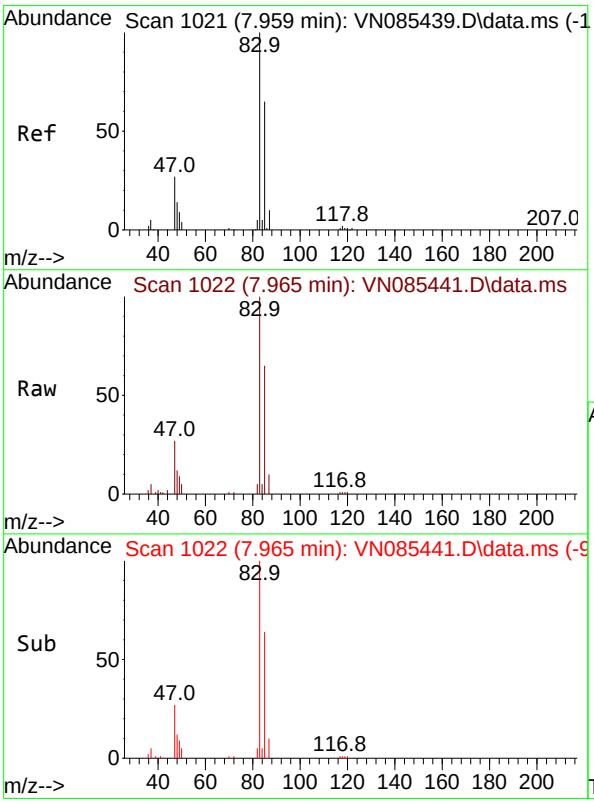
#29
Tetrahydrofuran
Concen: 47.881 ug/l
RT: 7.836 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 42 Resp: 45641

Ion	Ratio	Lower	Upper
42	100		
72	41.6	34.2	51.2
71	39.2	32.5	48.7

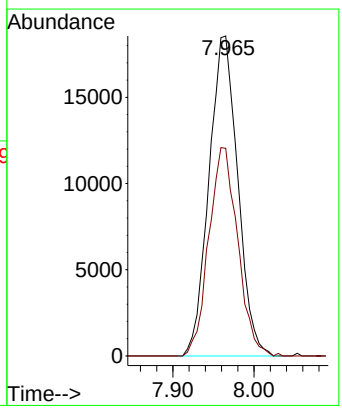


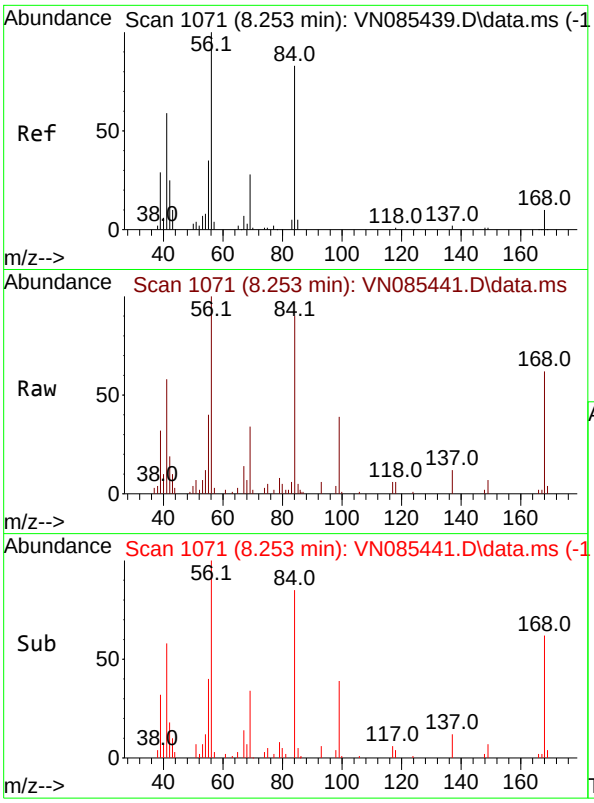


#30
Chloroform
Concen: 9.596 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 83 Resp: 45792

Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.8	77.6



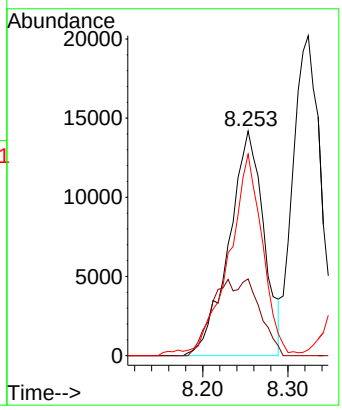


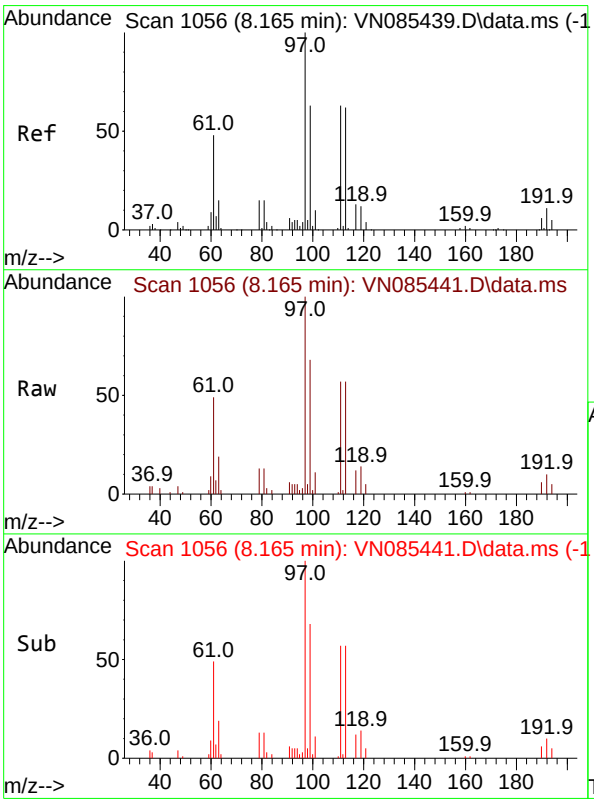
#31
Cyclohexane
Concen: 10.020 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 56 Resp: 40211

Ion	Ratio	Lower	Upper
56	100		
69	34.2	22.2	33.4#
84	87.2	66.4	99.6

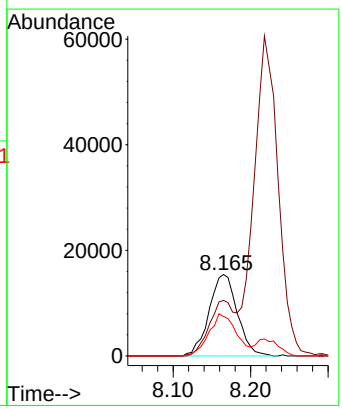


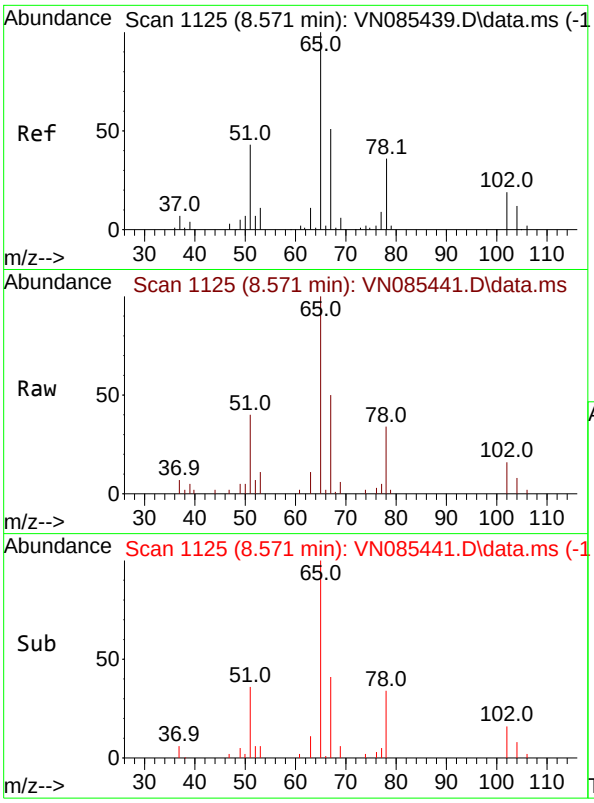


#32
1,1,1-Trichloroethane
Concen: 9.358 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 97 Resp: 39170

Ion	Ratio	Lower	Upper
97	100		
99	62.6	49.8	74.6
61	50.2	41.4	62.2



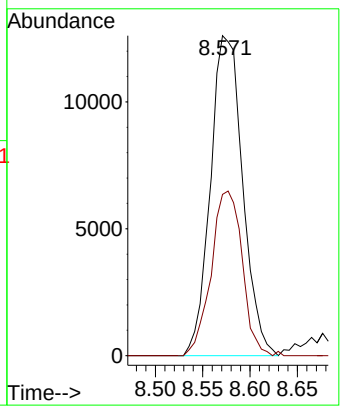


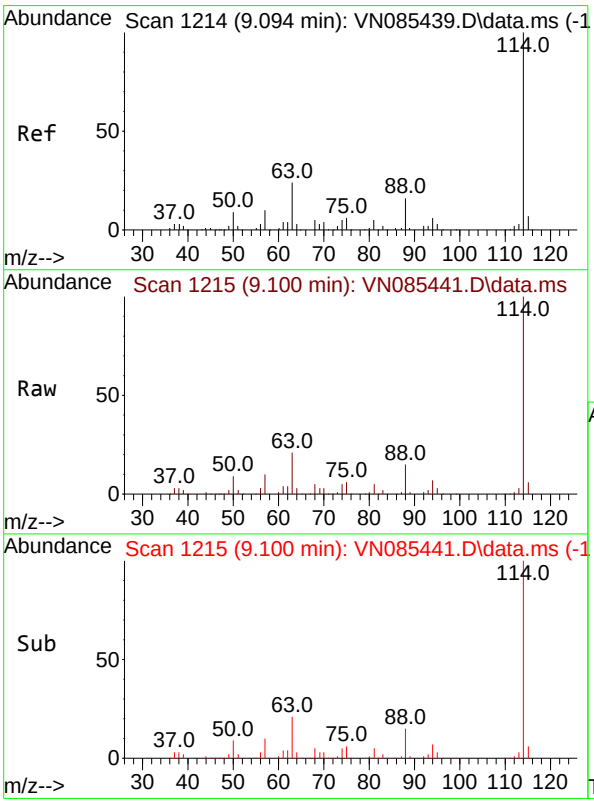
#33
1,2-Dichloroethane-d4
Concen: 9.442 ug/l
RT: 8.571 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 65 Resp: 29856

Ion	Ratio	Lower	Upper
65	100		
67	49.5	0.0	101.6

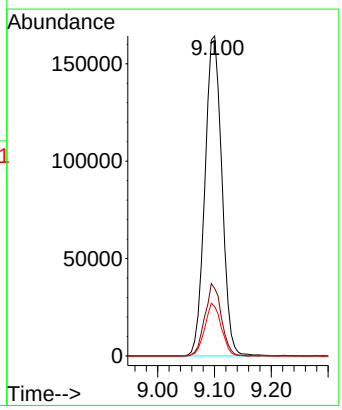


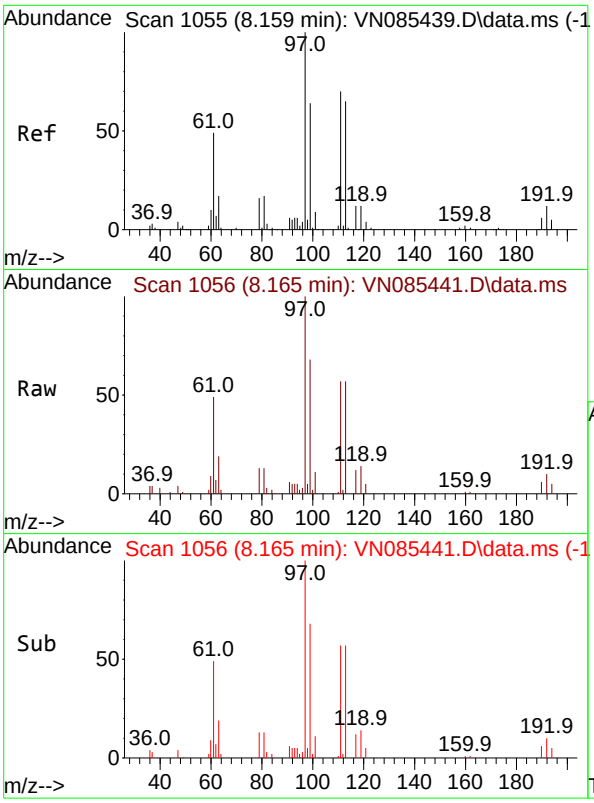


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion:114 Resp: 340403

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	47.6
88	15.5	0.0	32.6



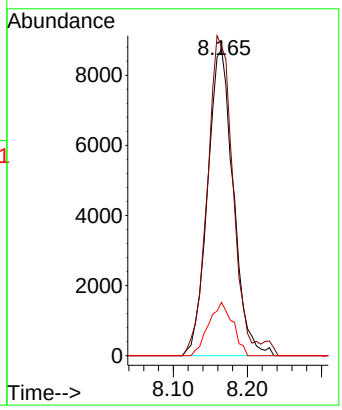


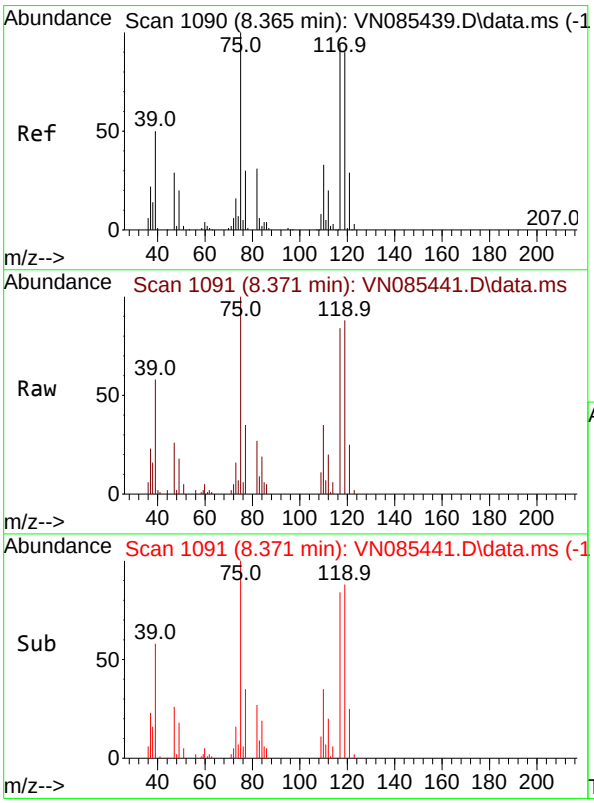
#35
Dibromofluoromethane
Concen: 8.939 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:113 Resp: 21110

Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.7	124.1
192	16.4	14.3	21.5

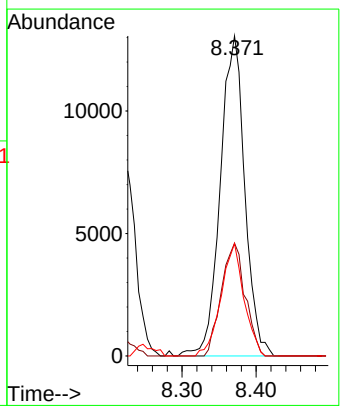


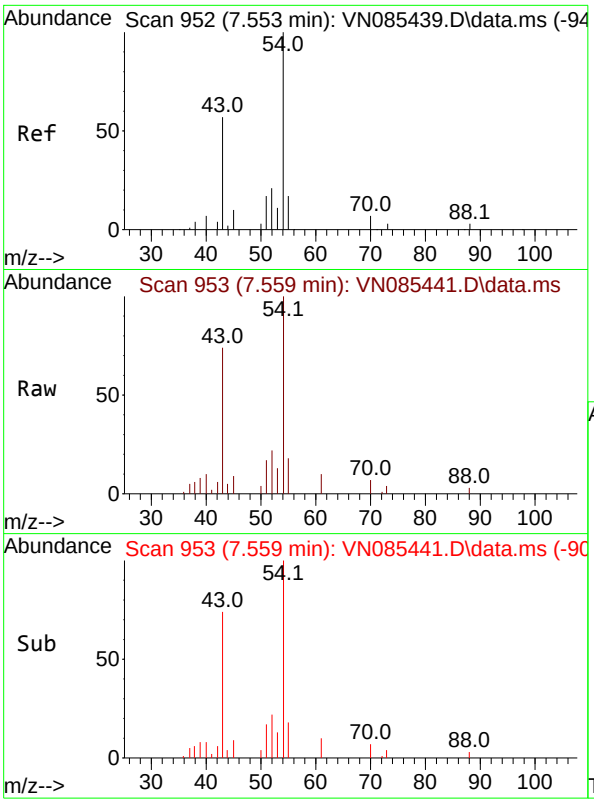


#36
1,1-Dichloropropene
Concen: 9.056 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.006 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 75 Resp: 30015

Ion	Ratio	Lower	Upper
75	100		
110	34.3	16.5	49.5
77	32.9	24.4	36.6



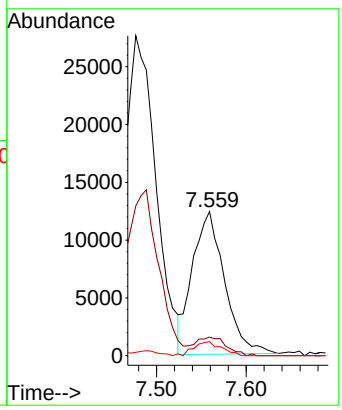


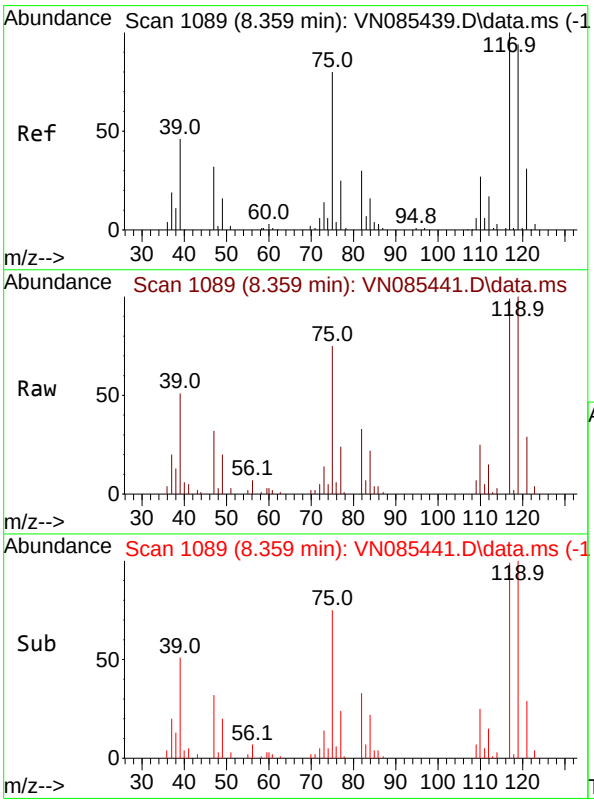
#37
Ethyl Acetate
Concen: 9.195 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 30760

Ion	Ratio	Lower	Upper
43	100		
61	12.2	10.9	16.3
70	8.4	7.5	11.3

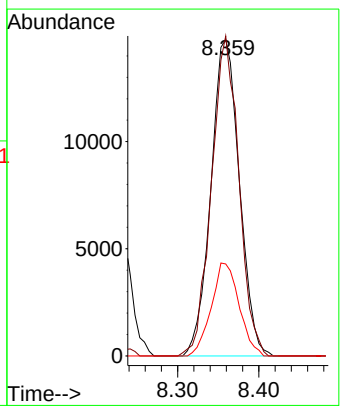


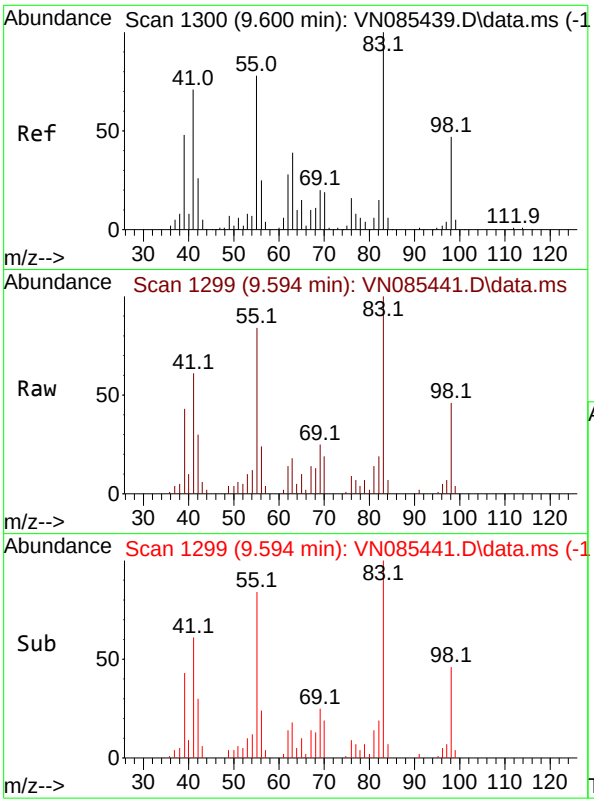


#38
Carbon Tetrachloride
Concen: 9.492 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion:117 Resp: 36015

Ion	Ratio	Lower	Upper
117	100		
119	101.2	75.4	113.2
121	29.1	24.6	37.0



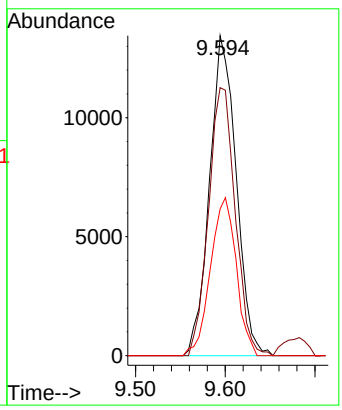


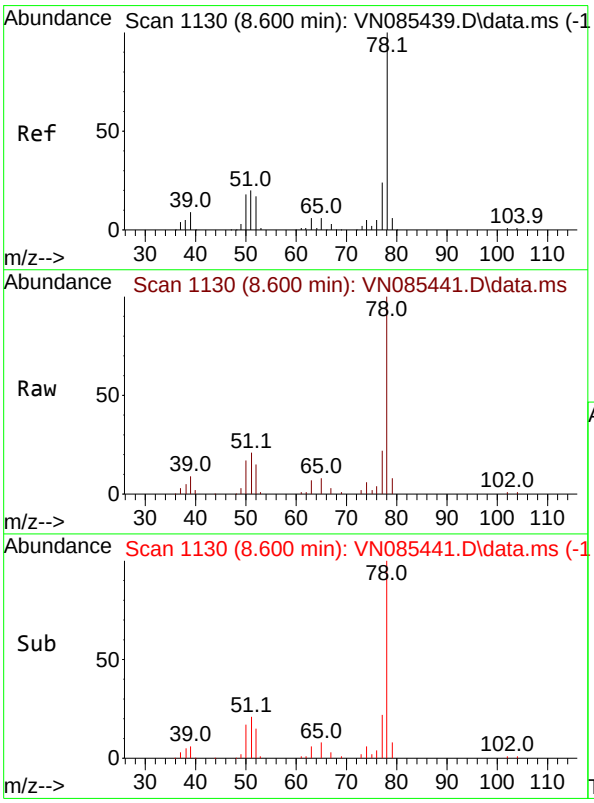
#39
Methylcyclohexane
Concen: 8.900 ug/l
RT: 9.594 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 27721

Ion	Ratio	Lower	Upper
83	100		
55	83.8	62.6	94.0
98	45.8	37.7	56.5

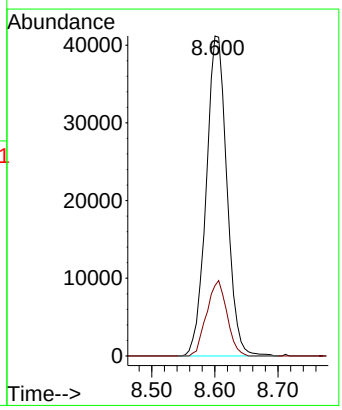


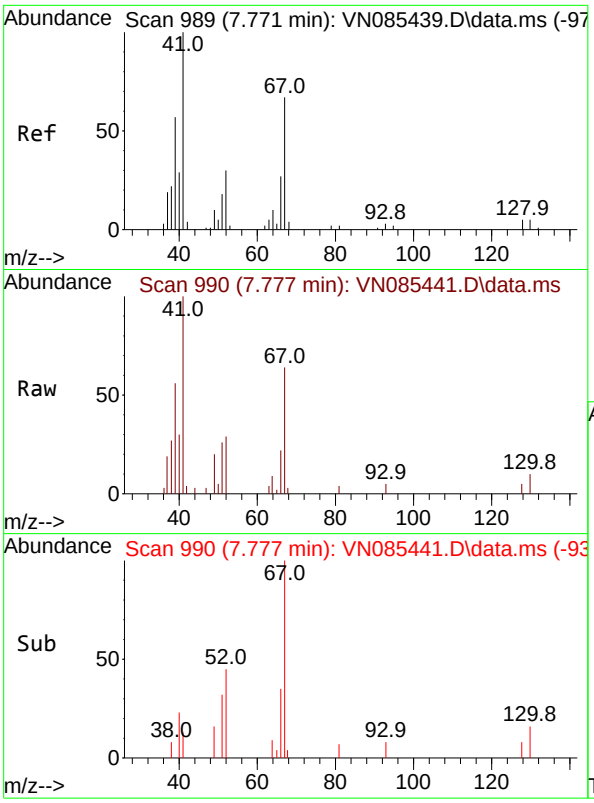


#40
Benzene
Concen: 9.407 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 78 Resp: 93680

Ion	Ratio	Lower	Upper
78	100		
77	22.0	19.0	28.6



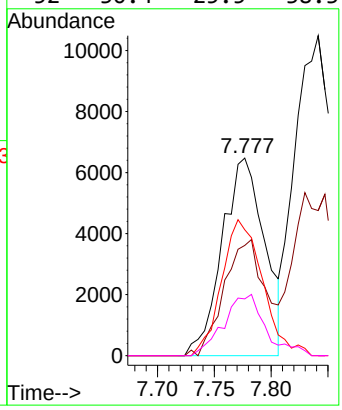


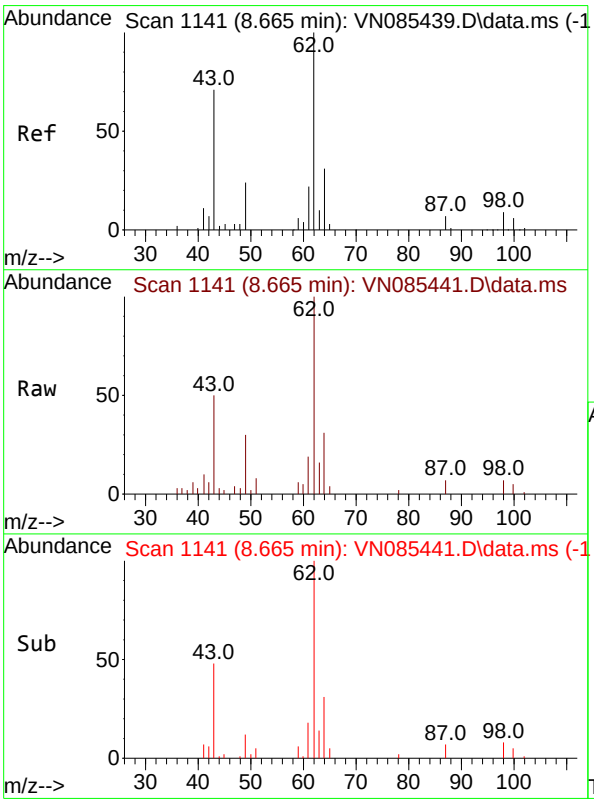
#41
Methacrylonitrile
Concen: 9.686 ug/l
RT: 7.777 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 41 Resp: 16859

Ion	Ratio	Lower	Upper
41	100		
39	57.3	46.0	69.0
67	66.2	57.4	86.2
52	30.4	25.5	38.3

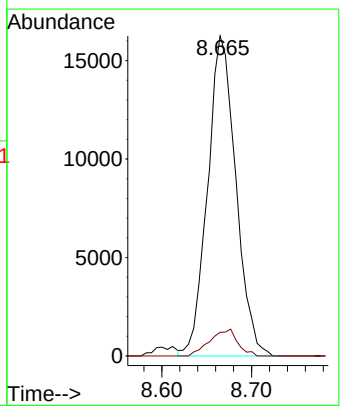


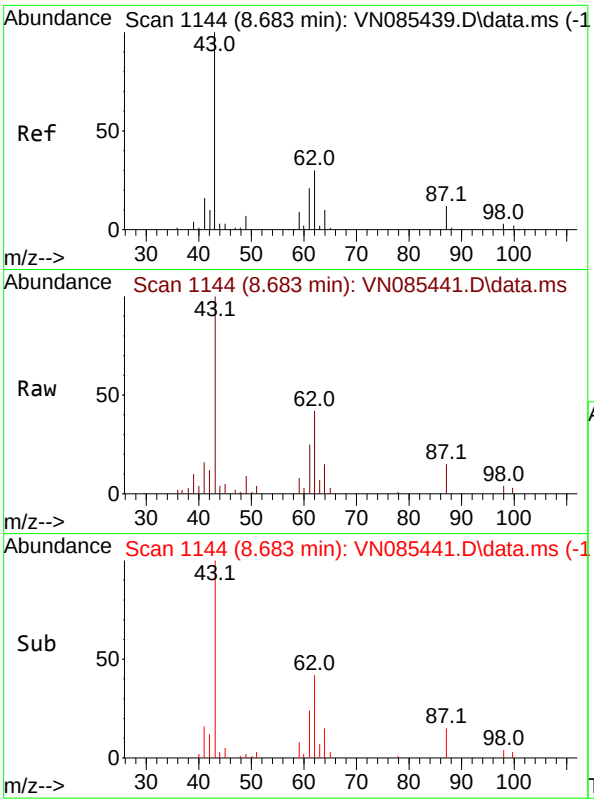


#42
1,2-Dichloroethane
Concen: 9.483 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 62 Resp: 35569

Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	17.0



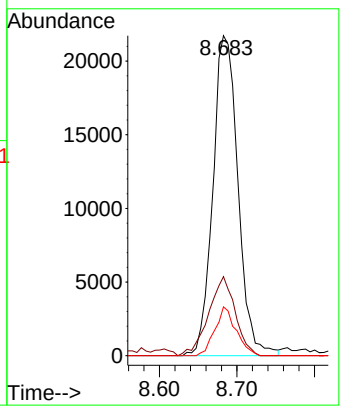


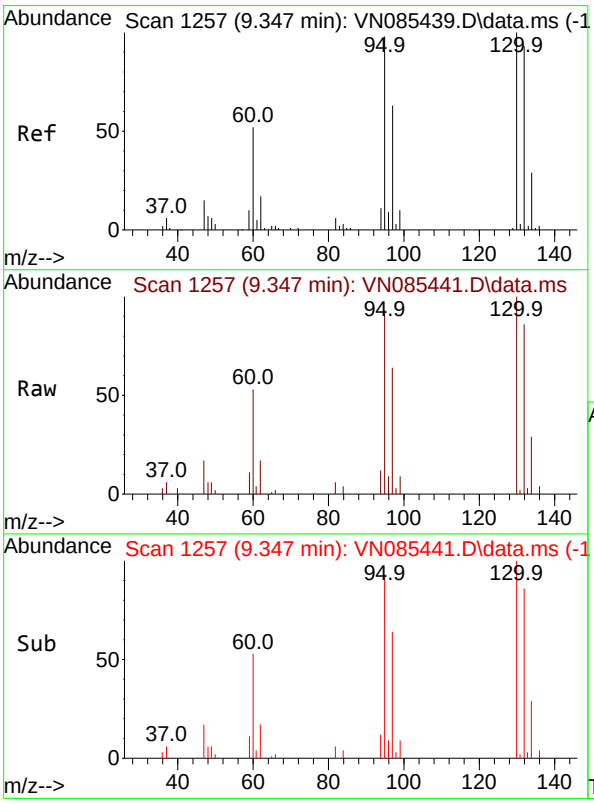
#43
Isopropyl Acetate
Concen: 9.127 ug/l
RT: 8.683 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 48926

Ion	Ratio	Lower	Upper
43	100		
61	26.2	20.7	31.1
87	12.8	9.8	14.8

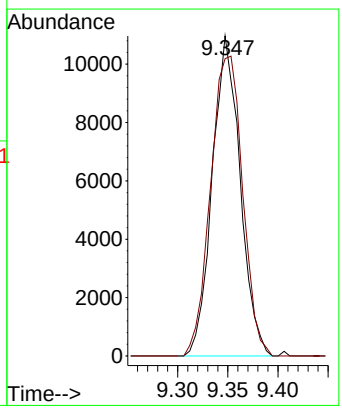


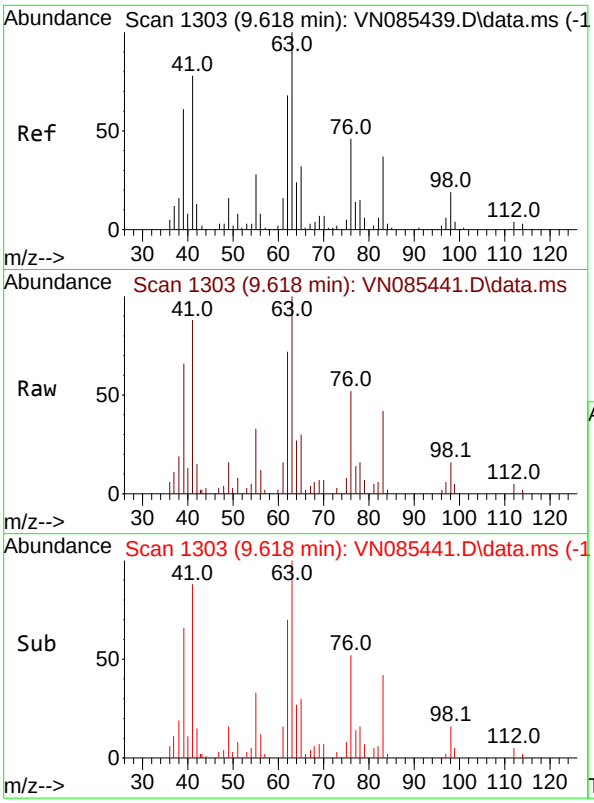


#44
Trichloroethene
Concen: 9.108 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion:130 Resp: 21113

Ion	Ratio	Lower	Upper
130	100		
95	92.9	0.0	195.8



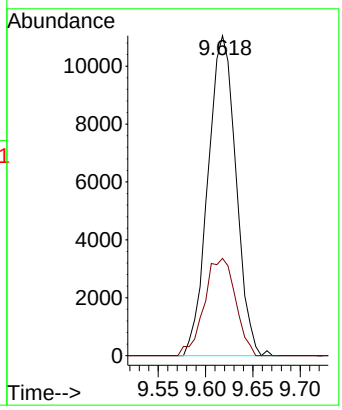


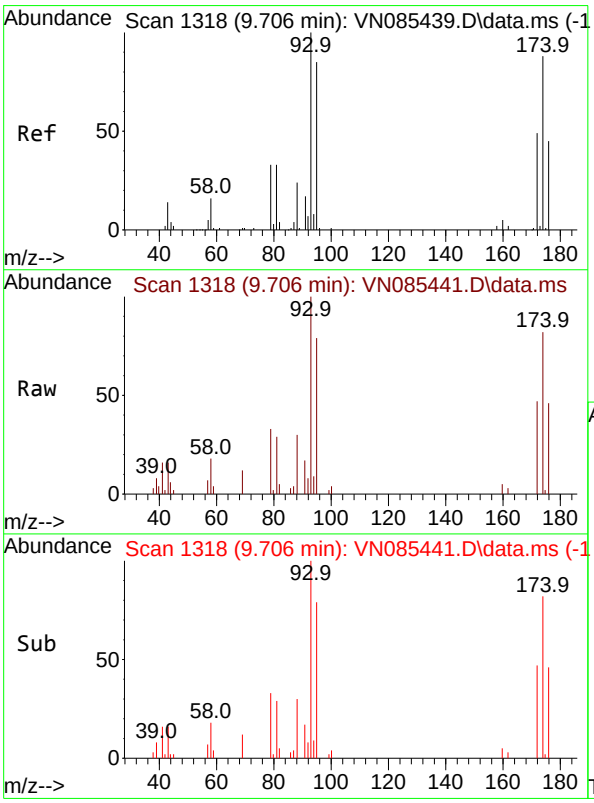
#45
1,2-Dichloropropane
Concen: 8.942 ug/l
RT: 9.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 63 Resp: 22747

Ion	Ratio	Lower	Upper
63	100		
65	30.4	25.6	38.4

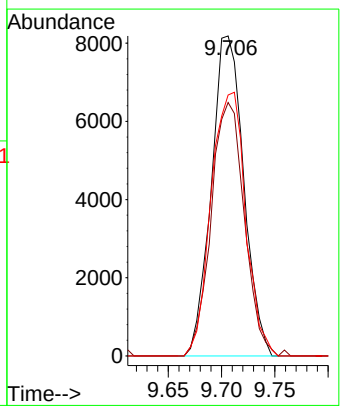


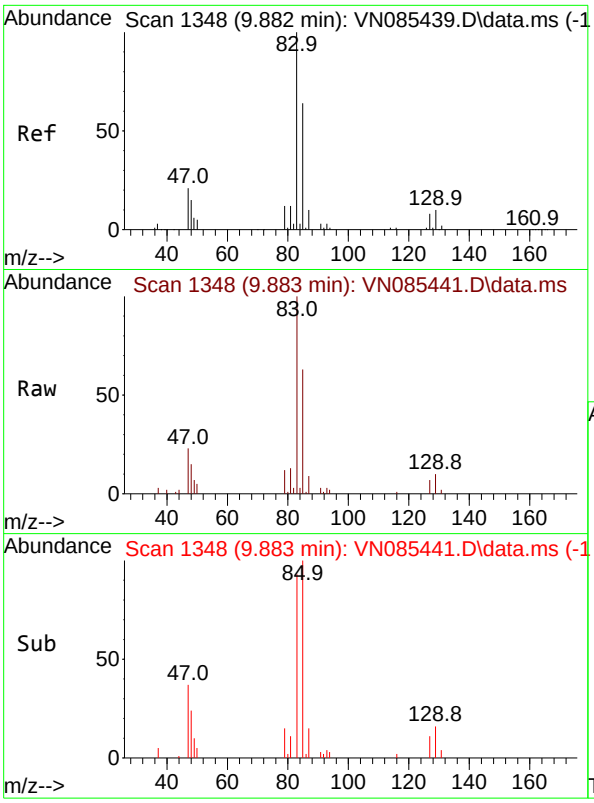


#46
Dibromomethane
Concen: 9.404 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 93 Resp: 17260

Ion	Ratio	Lower	Upper
93	100		
95	81.5	64.7	97.1
174	87.8	69.0	103.4



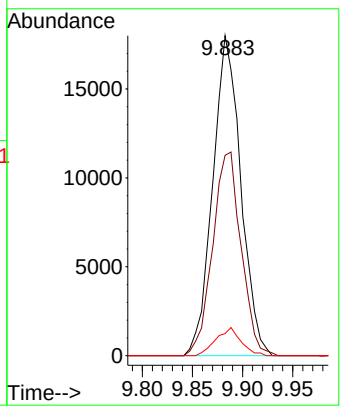


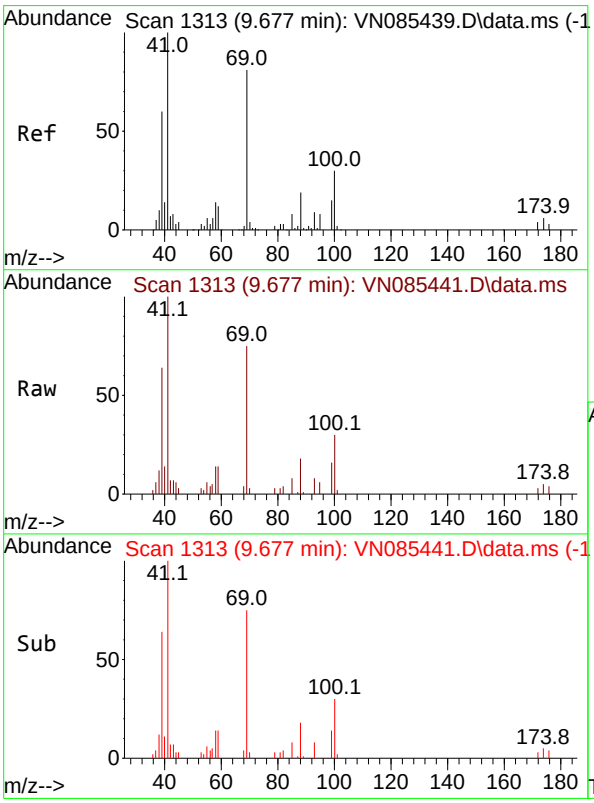
#47
Bromodichloromethane
Concen: 9.365 ug/l
RT: 9.883 min Scan# 1
Delta R.T. 0.001 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 35020

Ion	Ratio	Lower	Upper
83	100		
85	62.6	51.2	76.8
127	6.9	6.5	9.7

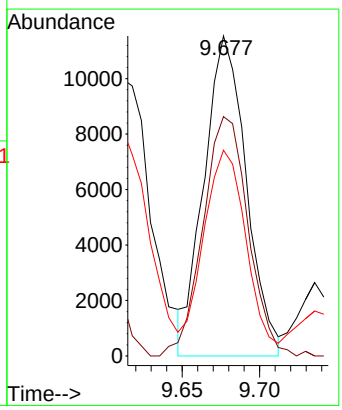


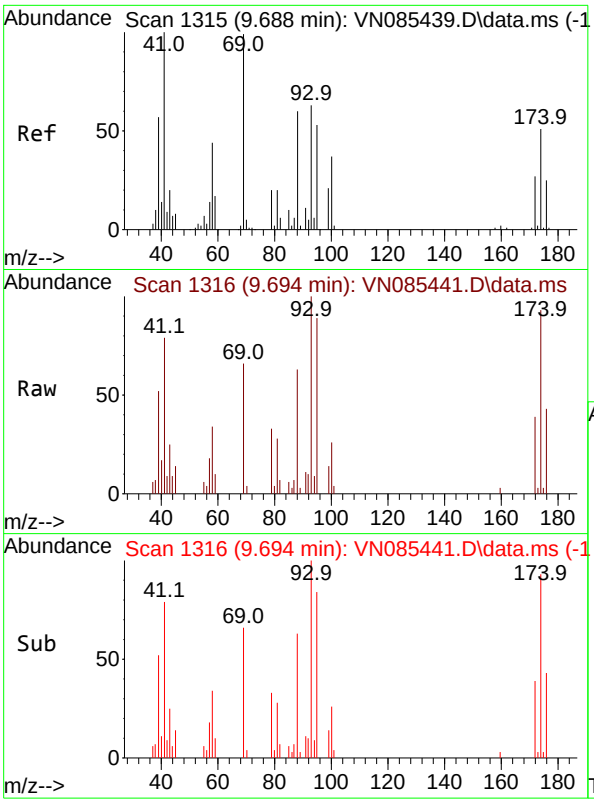


#48
Methyl methacrylate
Concen: 9.067 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 41 Resp: 21873

Ion	Ratio	Lower	Upper
41	100		
69	80.0	64.7	97.1
39	65.2	49.0	73.6



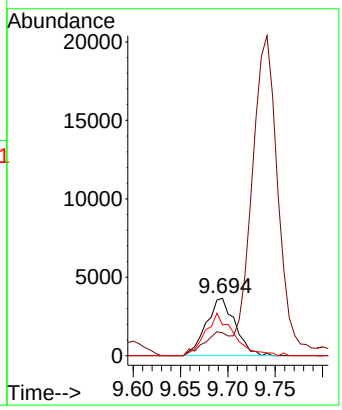


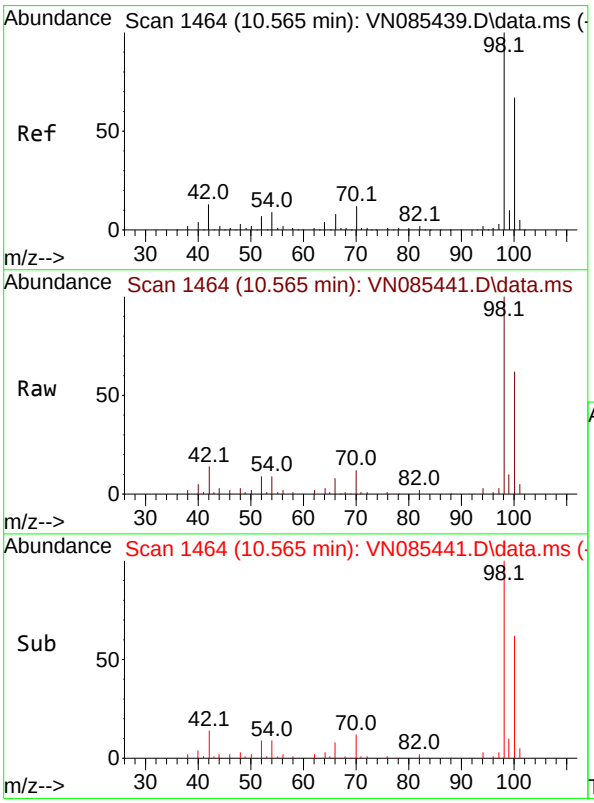
#49
1,4-Dioxane
Concen: 190.382 ug/l
RT: 9.694 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 88 Resp: 7734

Ion	Ratio	Lower	Upper
88	100		
43	35.2	26.6	39.8
58	73.3	59.5	89.3

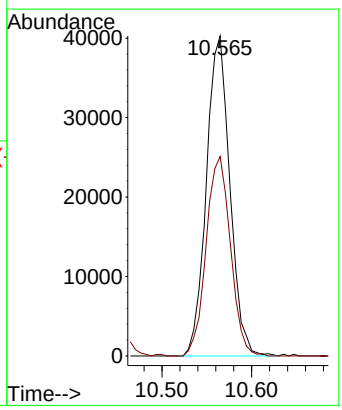


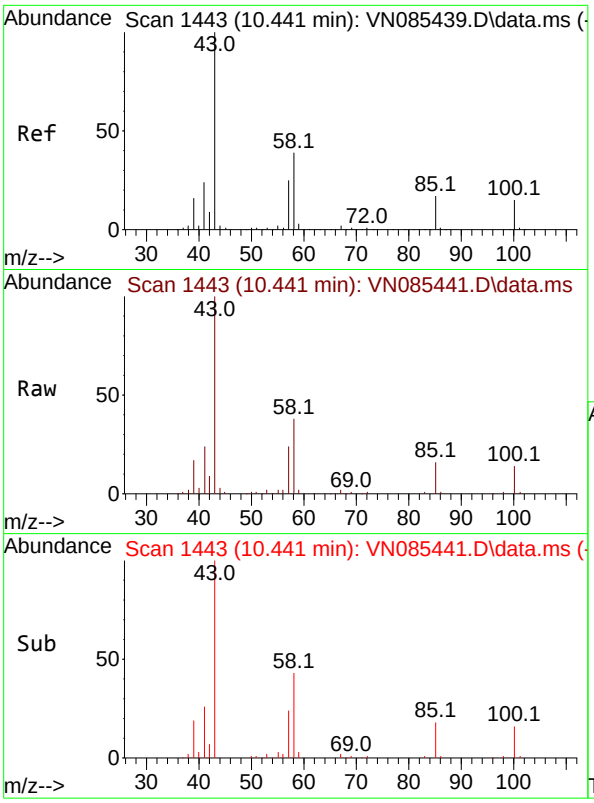


#50
Toluene-d8
Concen: 8.727 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 98 Resp: 73223

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.2	78.4



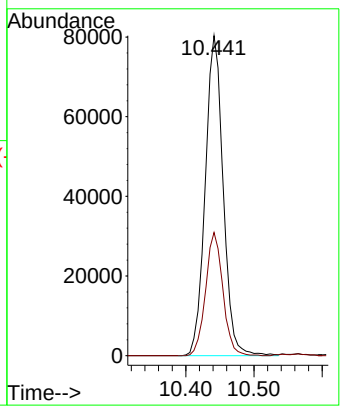


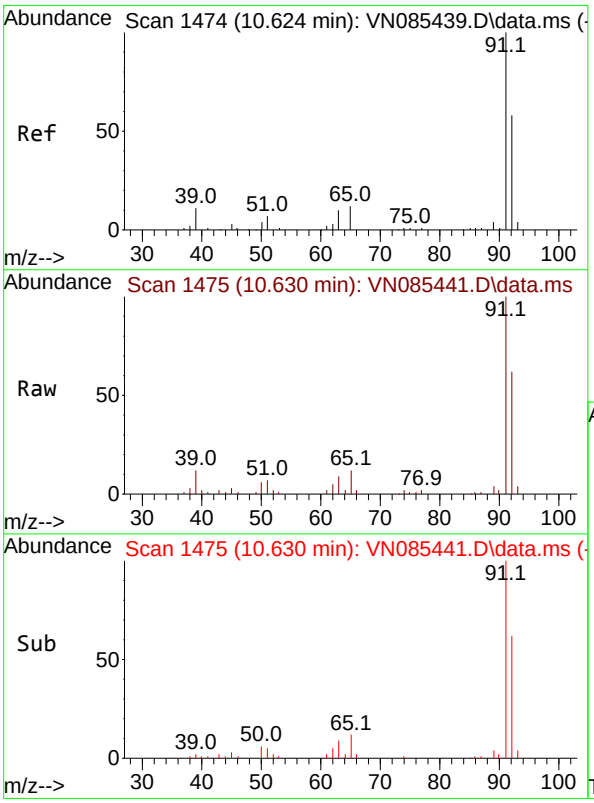
#51
4-Methyl-2-Pentanone
Concen: 47.254 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 146990

Ion	Ratio	Lower	Upper
43	100		
58	37.1	30.5	45.7

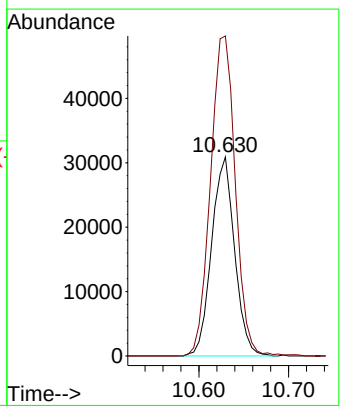


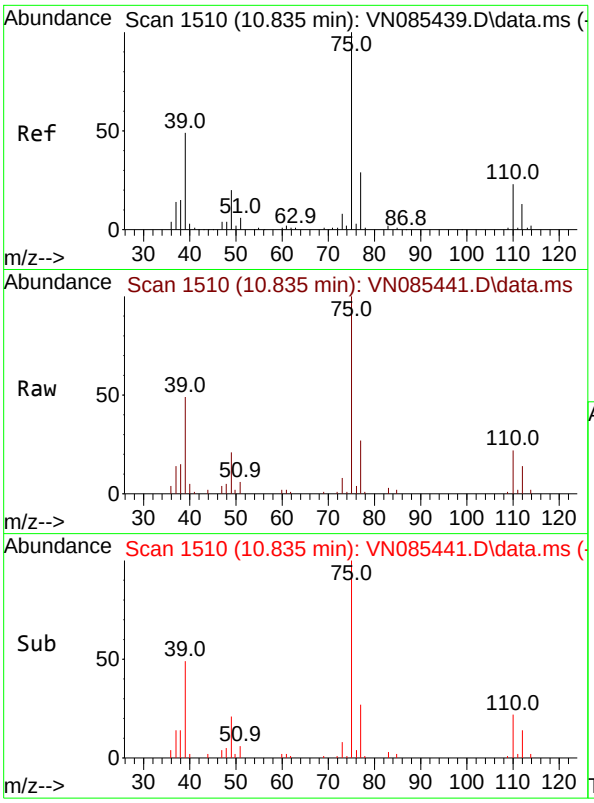


#52
Toluene
Concen: 9.527 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 92 Resp: 54976

Ion	Ratio	Lower	Upper
92	100		
91	173.7	139.2	208.8



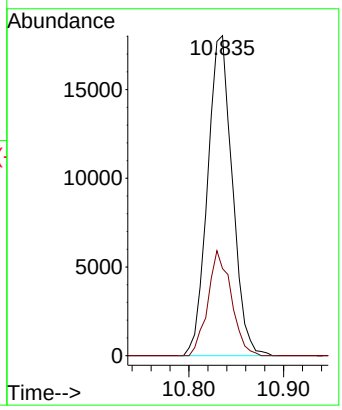


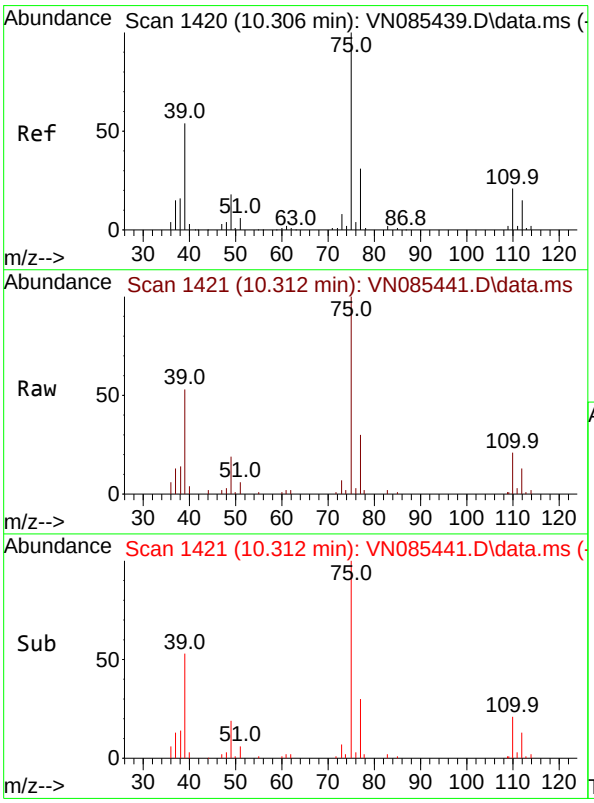
#53
t-1,3-Dichloropropene
Concen: 9.276 ug/l
RT: 10.835 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 75 Resp: 32780

Ion	Ratio	Lower	Upper
75	100		
77	27.2	23.5	35.3

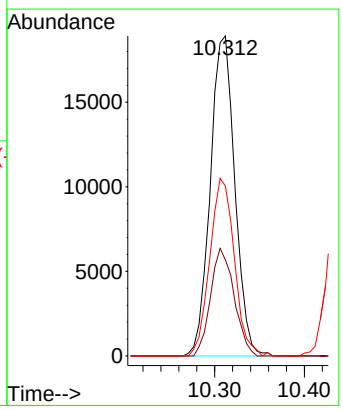


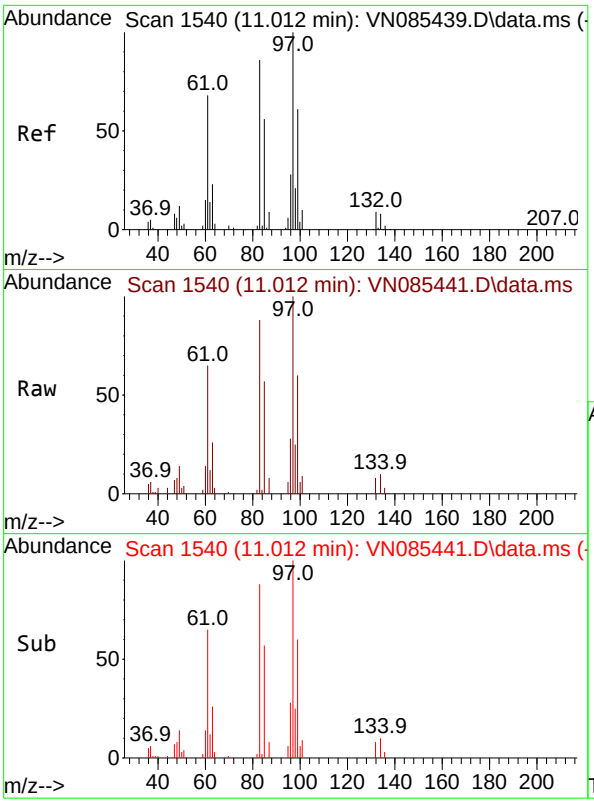


#54
cis-1,3-Dichloropropene
Concen: 9.512 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.006 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 75 Resp: 35904

Ion	Ratio	Lower	Upper
75	100		
77	30.0	25.0	37.4
39	53.1	43.1	64.7



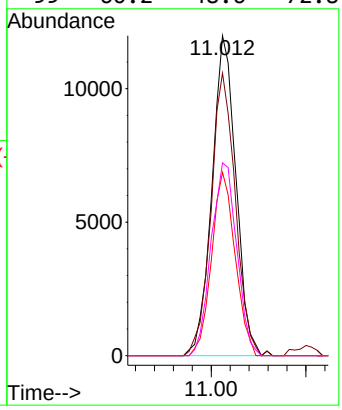


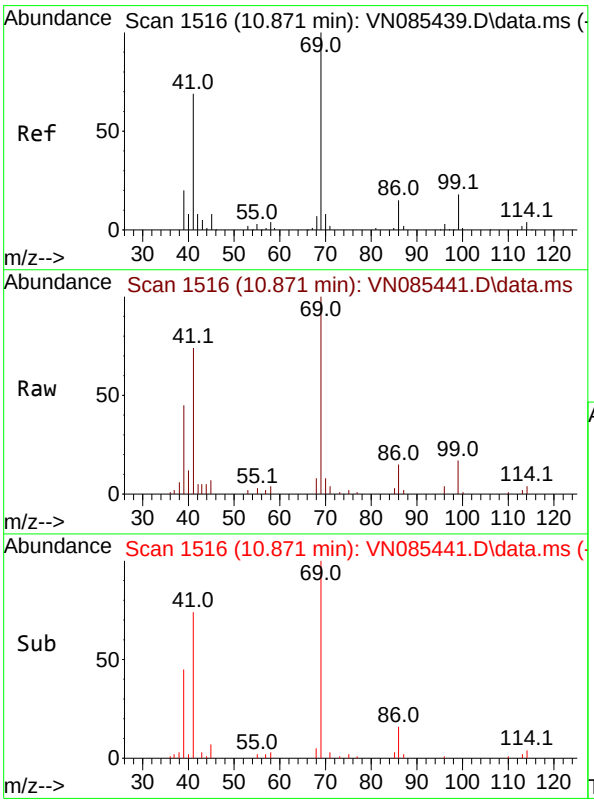
#55
1,1,2-Trichloroethane
Concen: 9.222 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 97 Resp: 21060

Ion	Ratio	Lower	Upper
97	100		
83	88.3	69.0	103.6
85	57.3	44.6	66.8
99	60.2	48.6	72.8

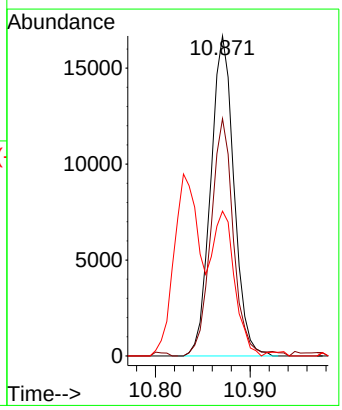


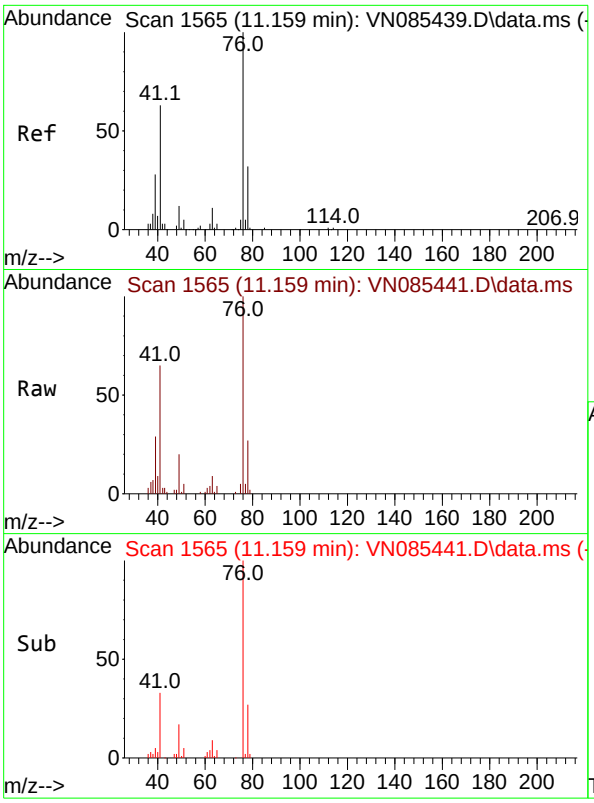


#56
Ethyl methacrylate
Concen: 9.042 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 69 Resp: 28454

Ion	Ratio	Lower	Upper
69	100		
41	72.1	54.6	82.0
39	43.4	32.4	48.6



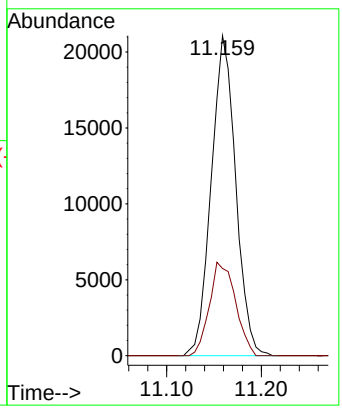


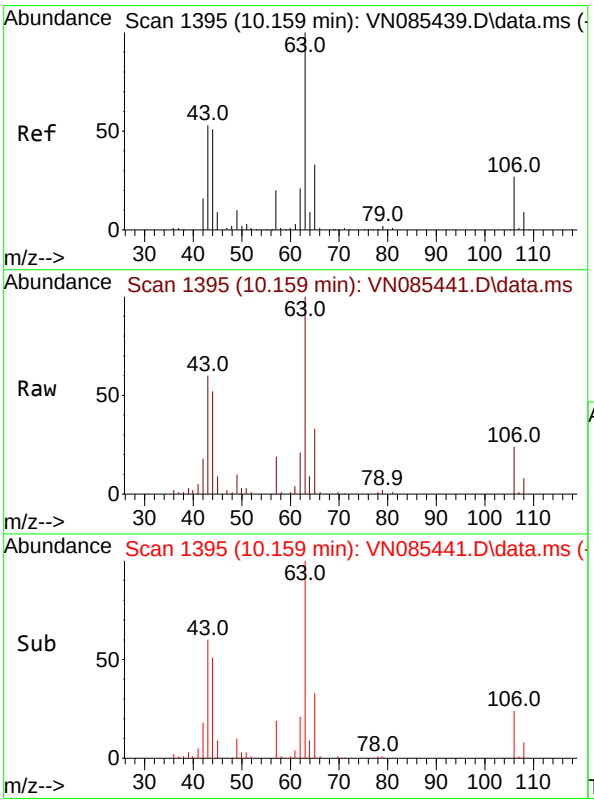
#57
1,3-Dichloropropane
Concen: 9.512 ug/l
RT: 11.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 37768

Ion	Ratio	Lower	Upper
76	100		
78	31.1	25.6	38.4

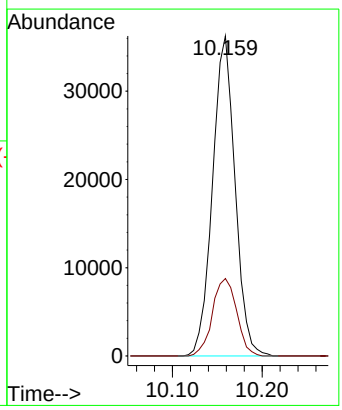


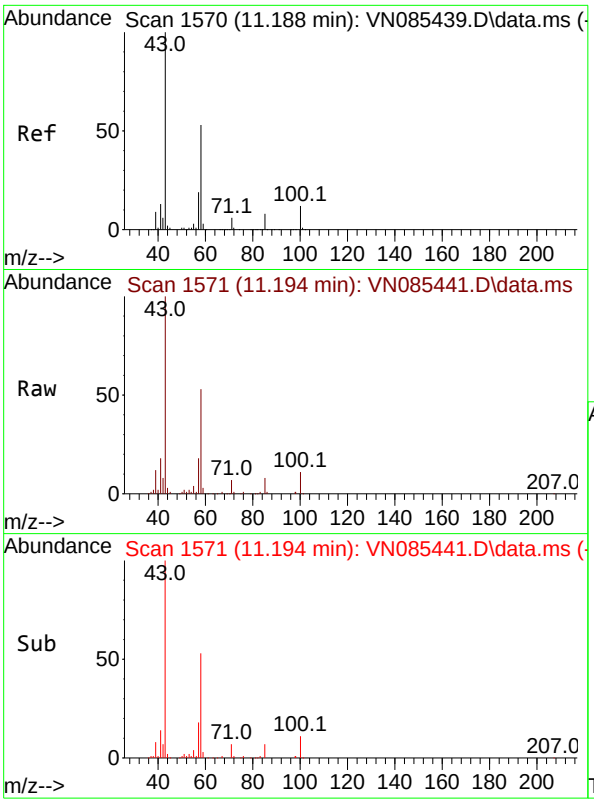


#58
2-Chloroethyl Vinyl ether
Concen: 43.550 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 63 Resp: 63110

Ion	Ratio	Lower	Upper
63	100		
106	26.1	21.6	32.4



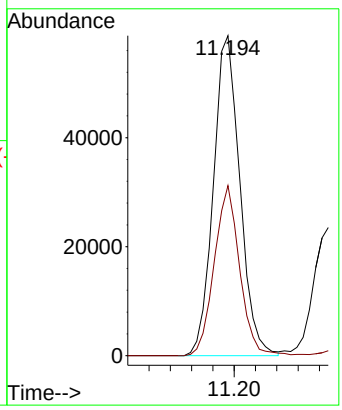


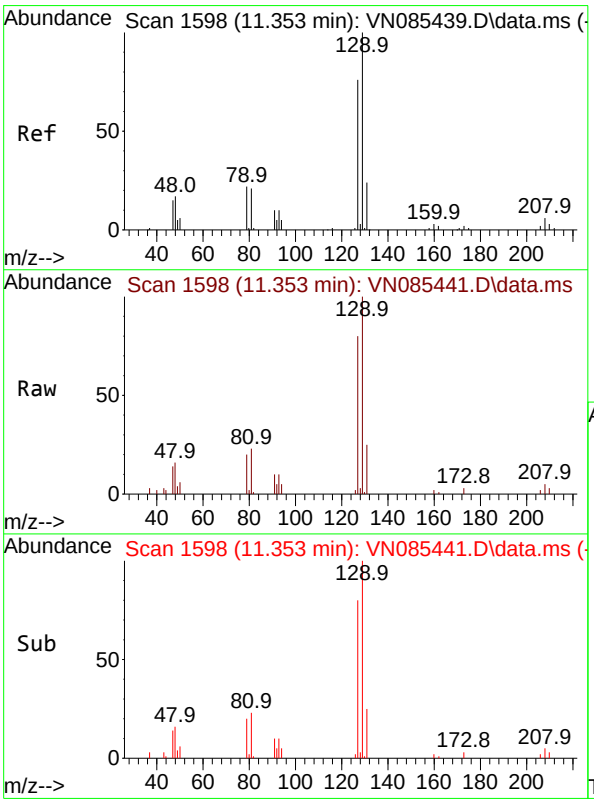
#59
2-Hexanone
Concen: 46.291 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 101318

Ion	Ratio	Lower	Upper
43	100		
58	50.9	26.2	78.6

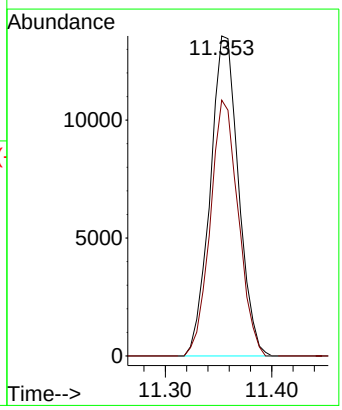


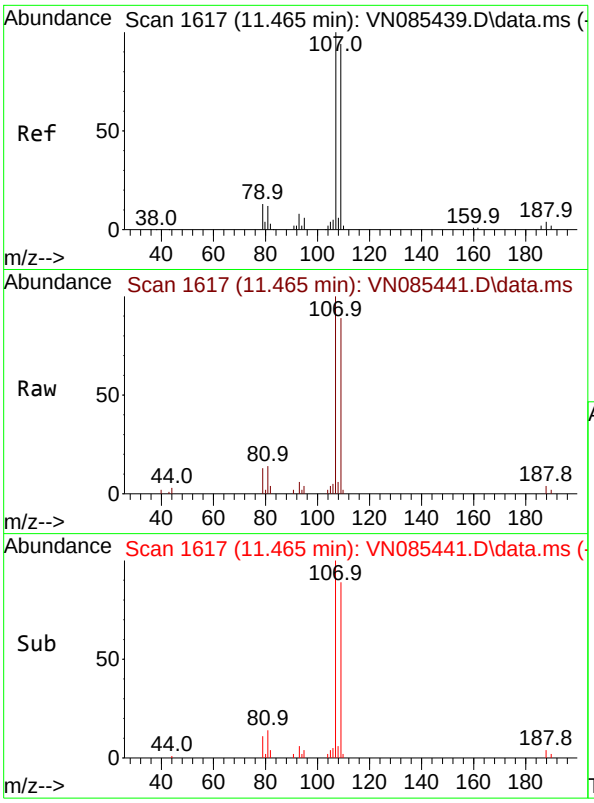


#60
Dibromochloromethane
Concen: 9.079 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion:129 Resp: 25029

Ion	Ratio	Lower	Upper
129	100		
127	79.1	38.6	115.8



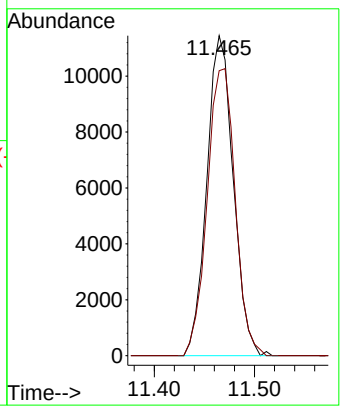


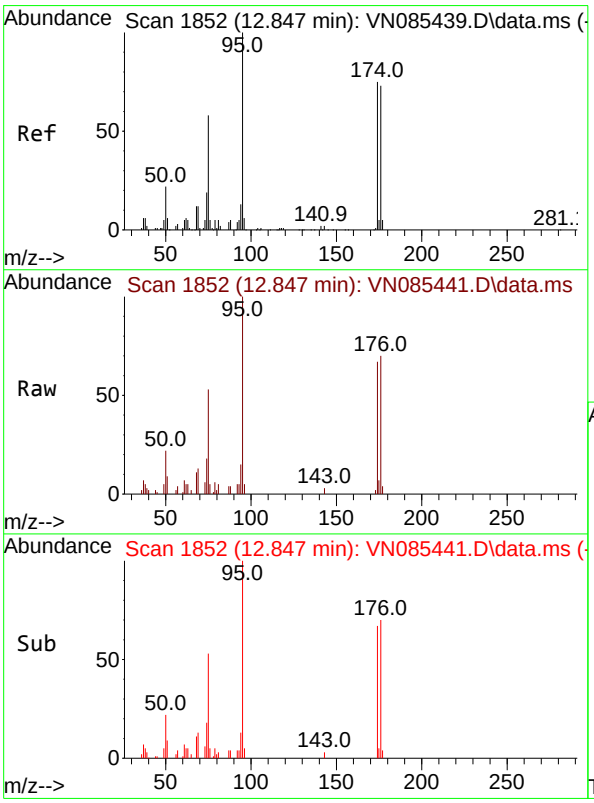
#61
1,2-Dibromoethane
Concen: 9.263 ug/l
RT: 11.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:107 Resp: 21055

Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.9	113.9

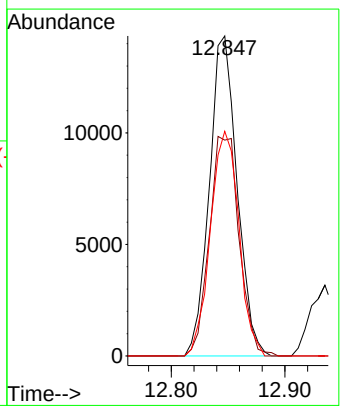


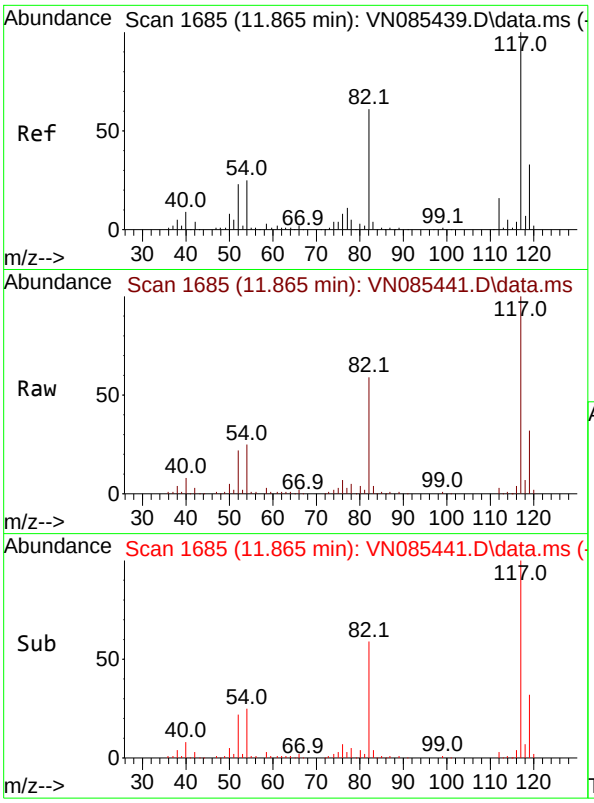


#62
4-Bromofluorobenzene
Concen: 8.476 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 95 Resp: 24327

Ion	Ratio	Lower	Upper
95	100		
174	73.9	0.0	145.0
176	72.1	0.0	142.4



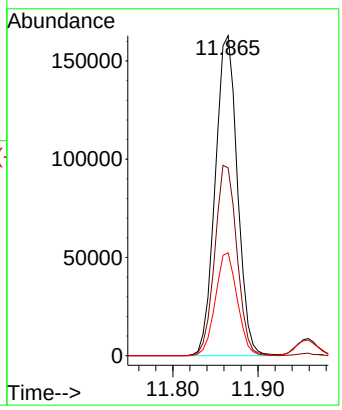


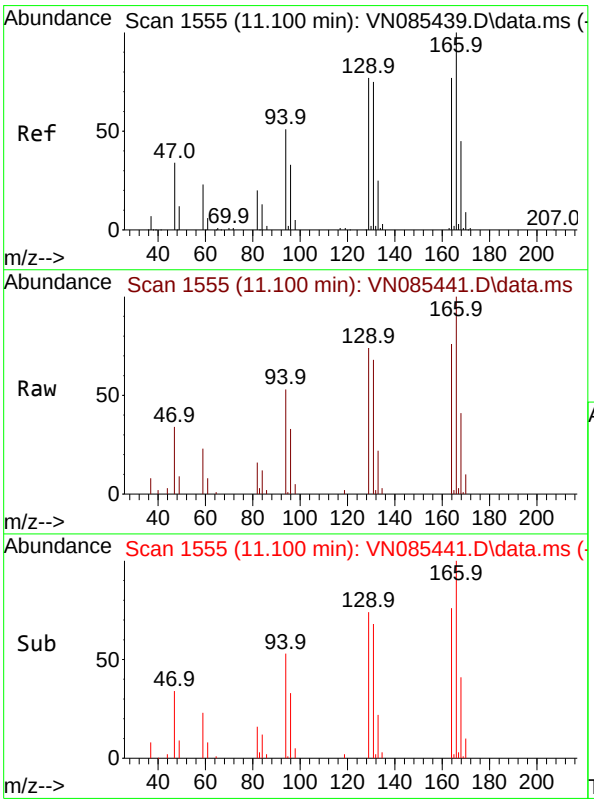
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:117 Resp: 294508

Ion	Ratio	Lower	Upper
117	100		
82	58.7	48.6	72.8
119	32.2	26.6	39.8

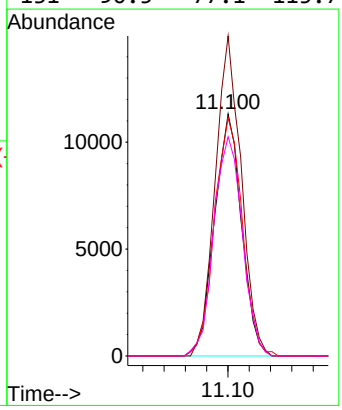


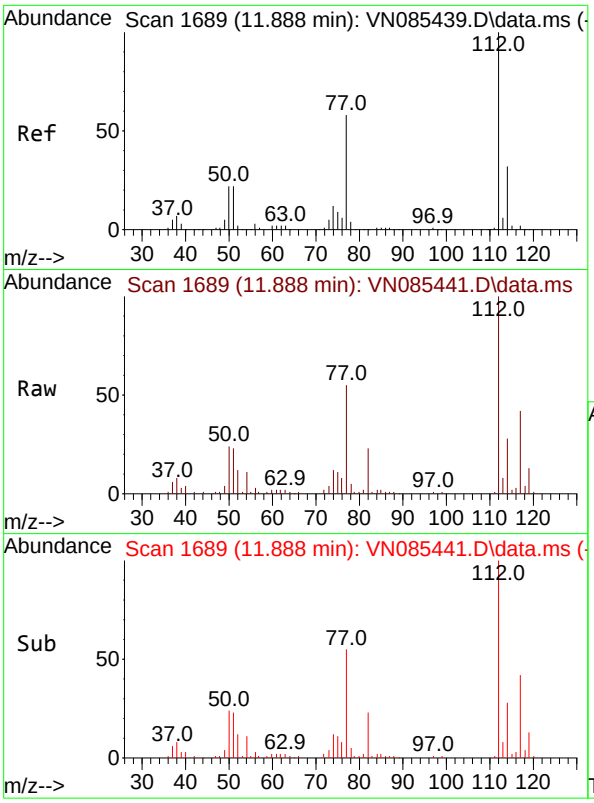


#64
Tetrachloroethene
Concen: 9.928 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion:164 Resp: 19934

Ion	Ratio	Lower	Upper
164	100		
166	132.2	103.4	155.2
129	98.3	79.2	118.8
131	90.5	77.1	115.7



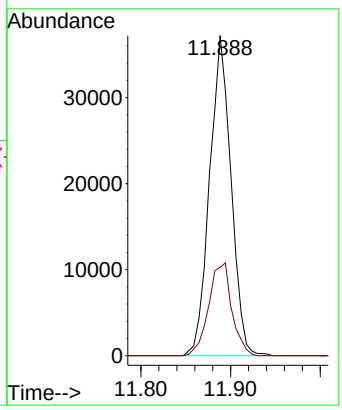


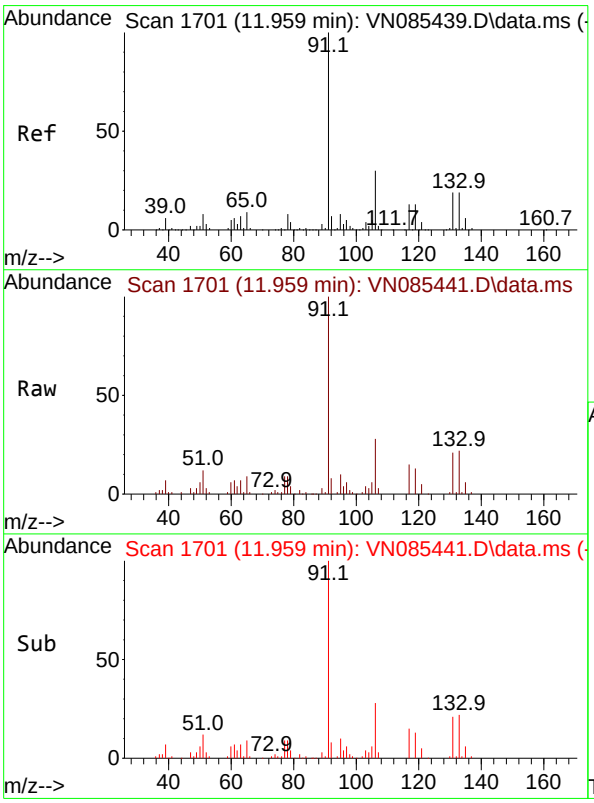
#65
Chlorobenzene
Concen: 9.560 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:112 Resp: 61680

Ion	Ratio	Lower	Upper
112	100		
114	27.6	25.3	37.9

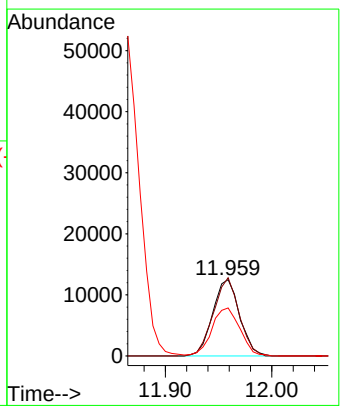


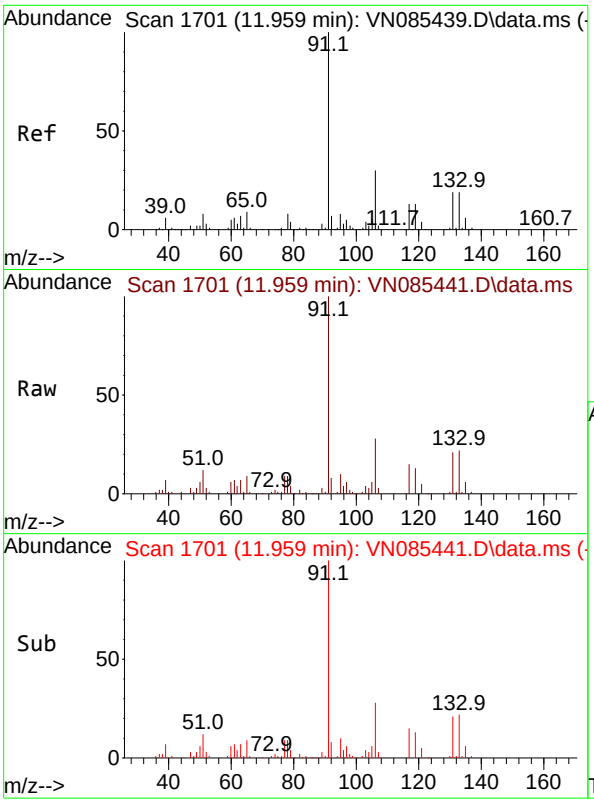


#66
1,1,1,2-Tetrachloroethane
Concen: 9.229 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion:131 Resp: 21853

Ion	Ratio	Lower	Upper
131	100		
133	98.5	47.4	142.3
119	66.0	33.1	99.5



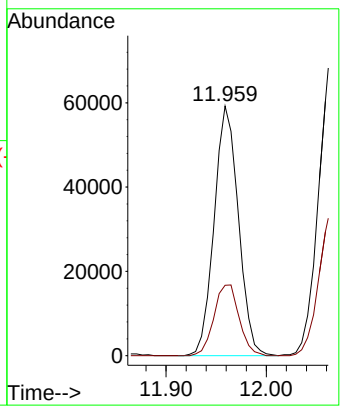


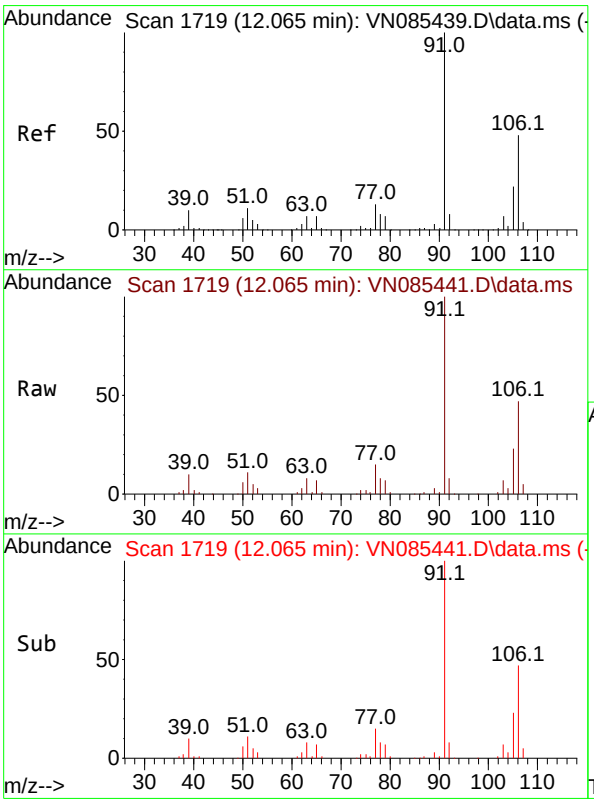
#67
Ethyl Benzene
Concen: 9.445 ug/l
RT: 11.959 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 99248

Ion	Ratio	Lower	Upper
91	100		
106	28.2	23.8	35.8

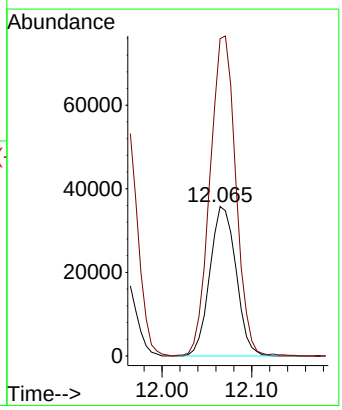


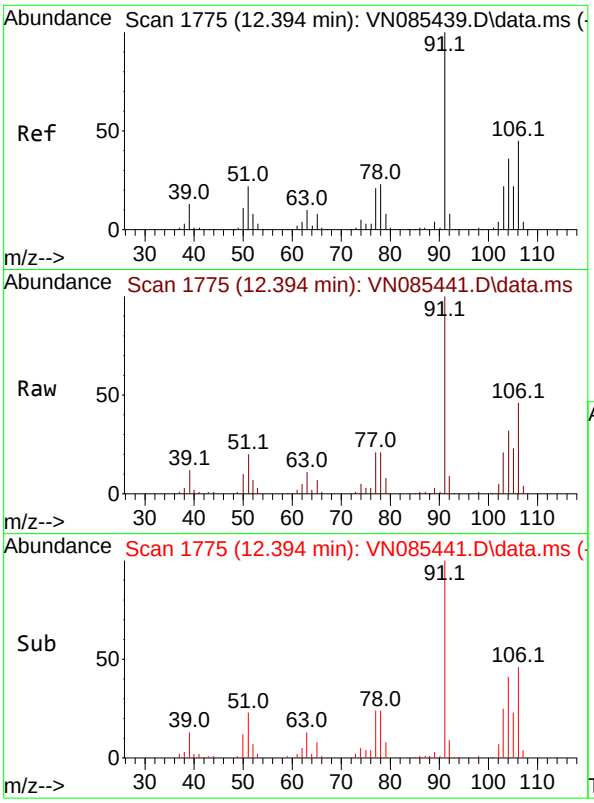


#68
m/p-Xylenes
Concen: 18.650 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion:106 Resp: 72431

Ion	Ratio	Lower	Upper
106	100		
91	211.7	167.7	251.5



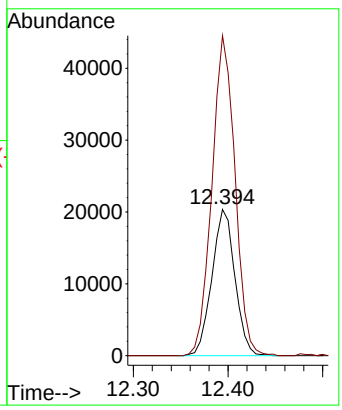


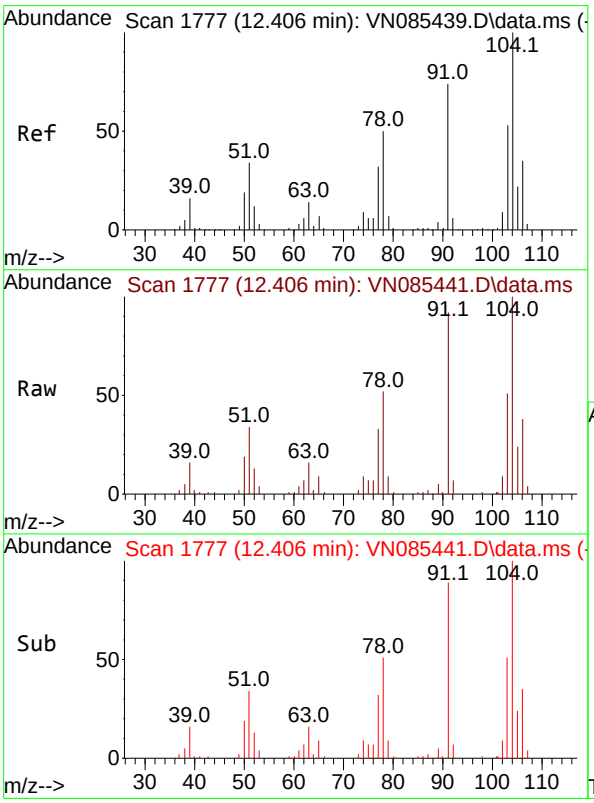
#69
o-Xylene
Concen: 9.264 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:106 Resp: 34382

Ion	Ratio	Lower	Upper
106	100		
91	219.5	110.4	331.2

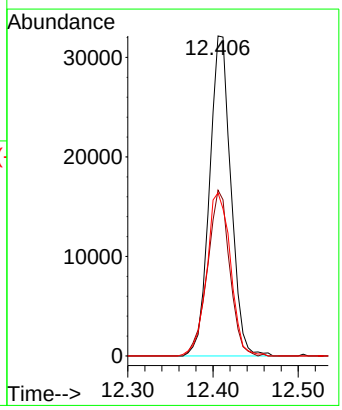


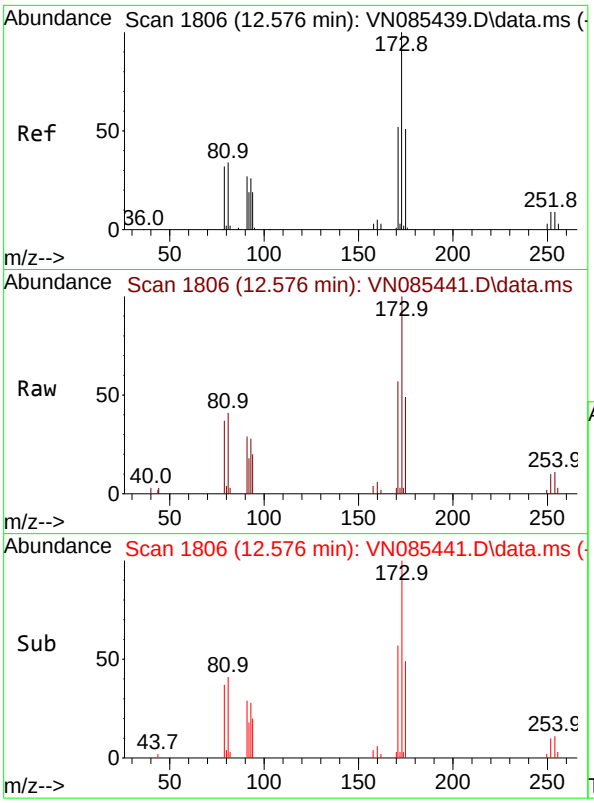


#70
Styrene
Concen: 9.163 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion:104 Resp: 56285

Ion	Ratio	Lower	Upper
104	100		
78	53.8	42.5	63.7
103	56.8	43.8	65.8



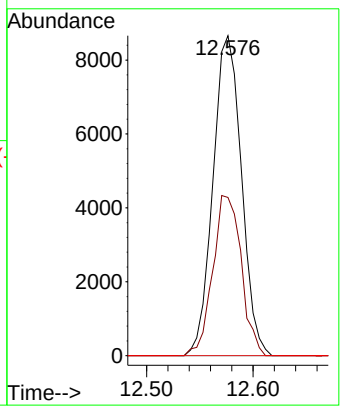


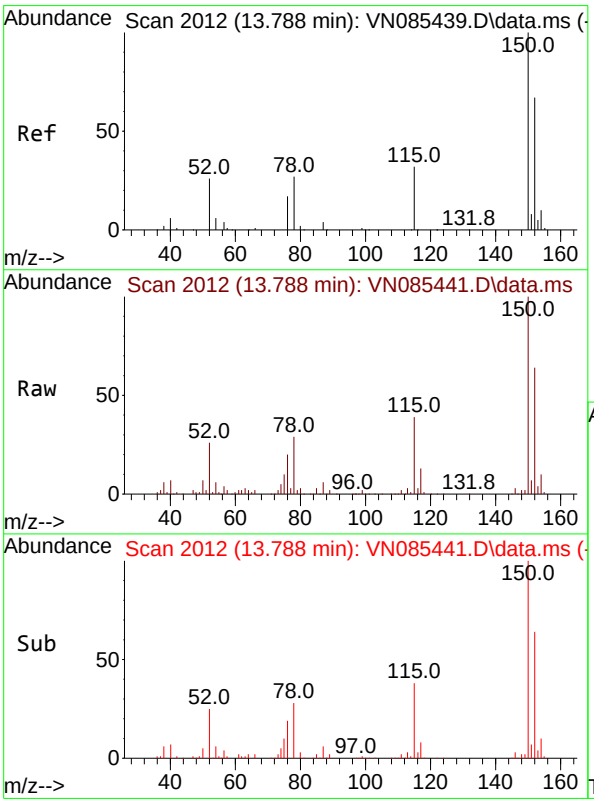
#71
Bromoform
Concen: 9.485 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:173 Resp: 16071

Ion	Ratio	Lower	Upper
173	100		
175	50.0	24.4	73.2
254	0.0	0.0	0.0

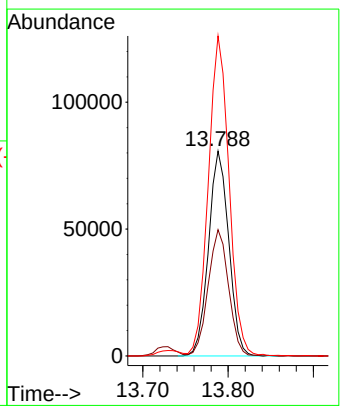


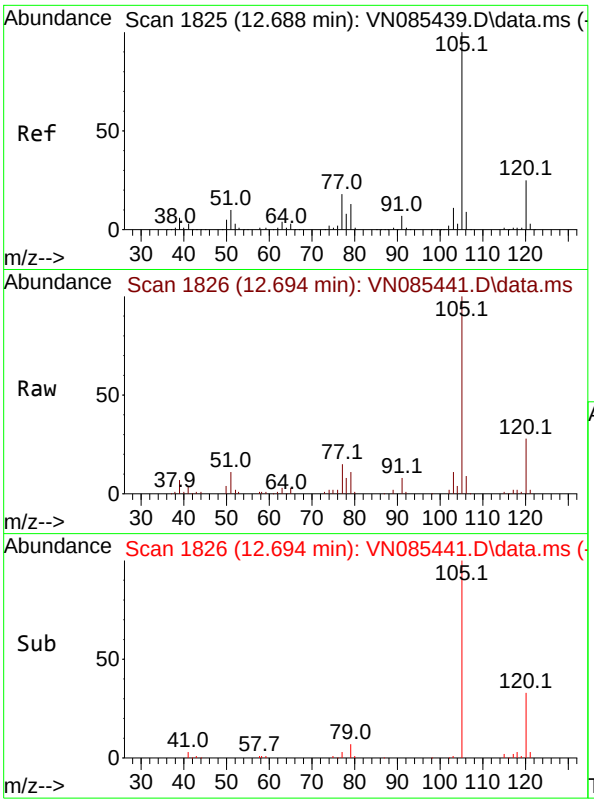


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion:152 Resp: 132934

Ion	Ratio	Lower	Upper
152	100		
115	62.3	31.1	93.3
150	159.8	0.0	343.6



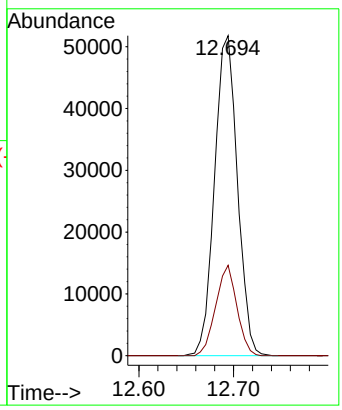


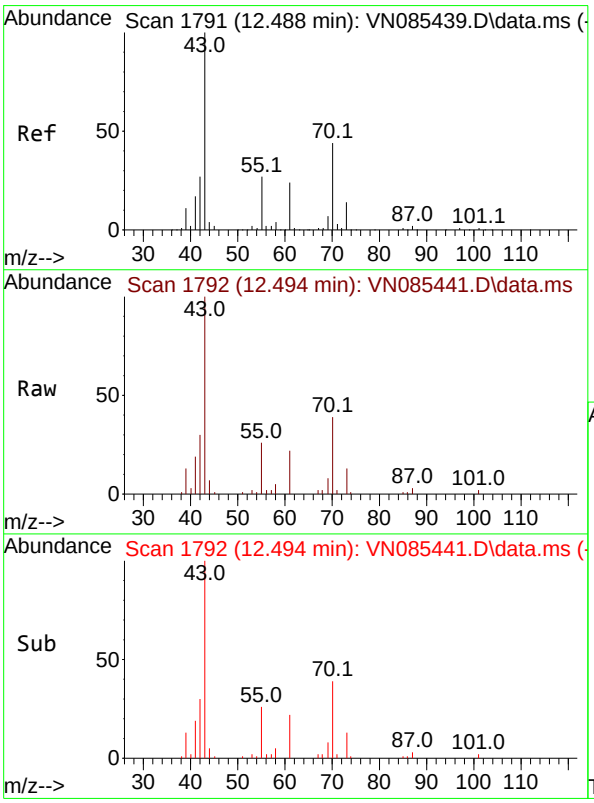
#73
Isopropylbenzene
Concen: 9.697 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:105 Resp: 87003

Ion	Ratio	Lower	Upper
105	100		
120	26.1	12.8	38.3

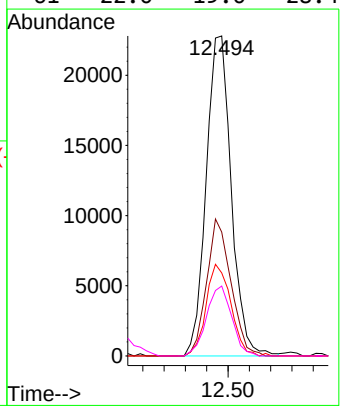


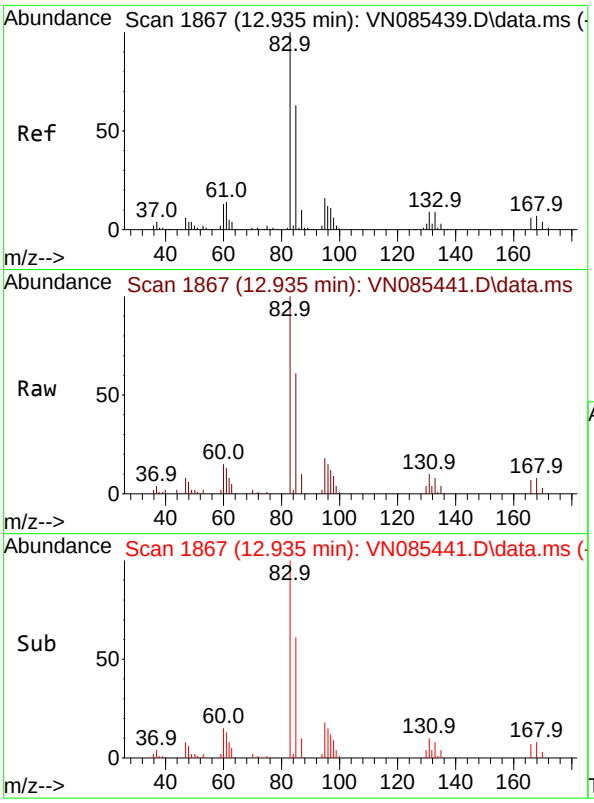


#74
N-amyl acetate
Concen: 9.260 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 43 Resp: 37343

Ion	Ratio	Lower	Upper
43	100		
70	41.4	34.0	51.0
55	28.5	21.4	32.2
61	22.0	19.0	28.4



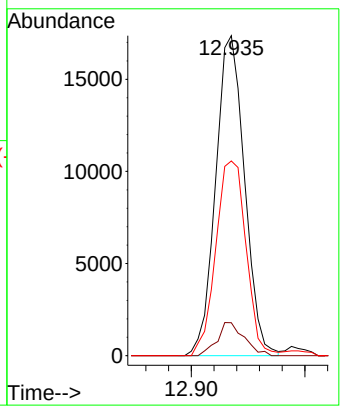


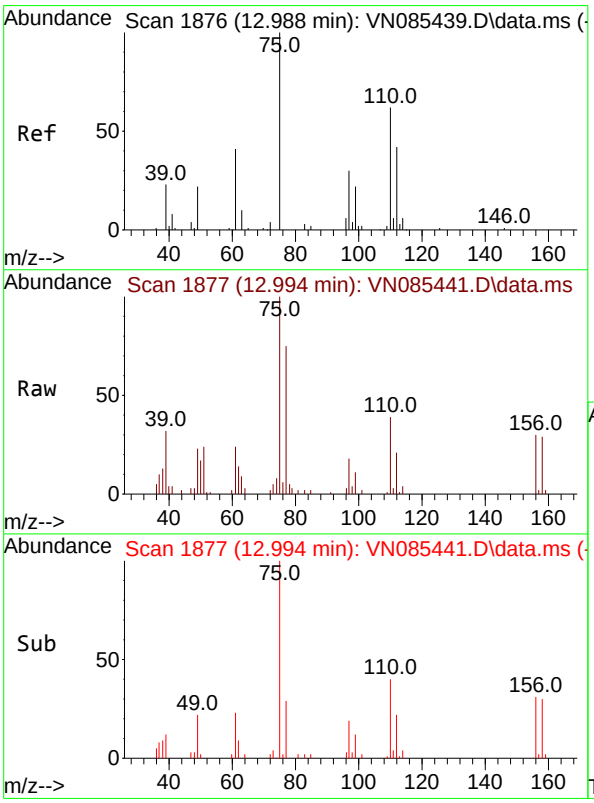
#75
1,1,2,2-Tetrachloroethane
Concen: 9.709 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 30770

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.8	14.4
85	63.6	32.2	96.6

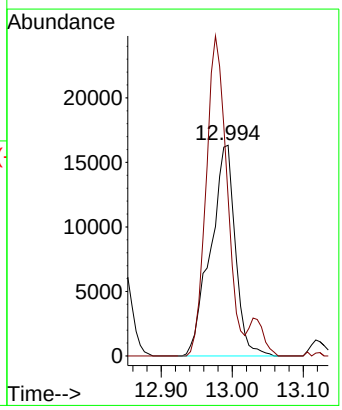


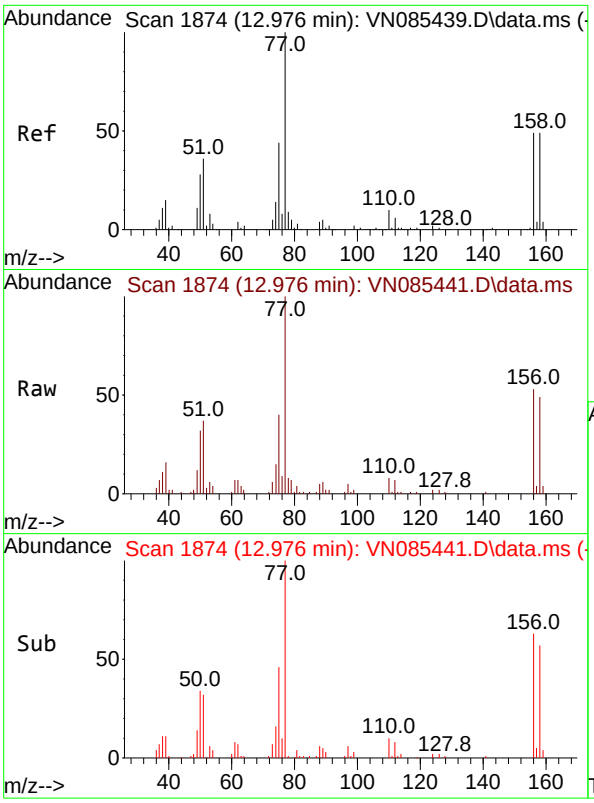


#76
1,2,3-Trichloropropane
Concen: 14.675 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 75 Resp: 39589

Ion	Ratio	Lower	Upper
75	100		
77	127.6	109.7	329.2



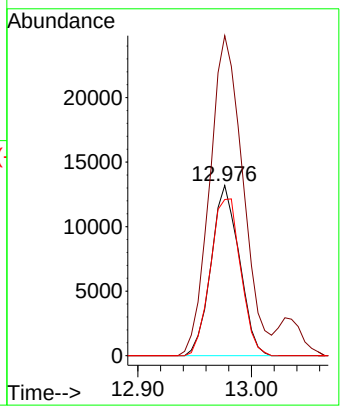


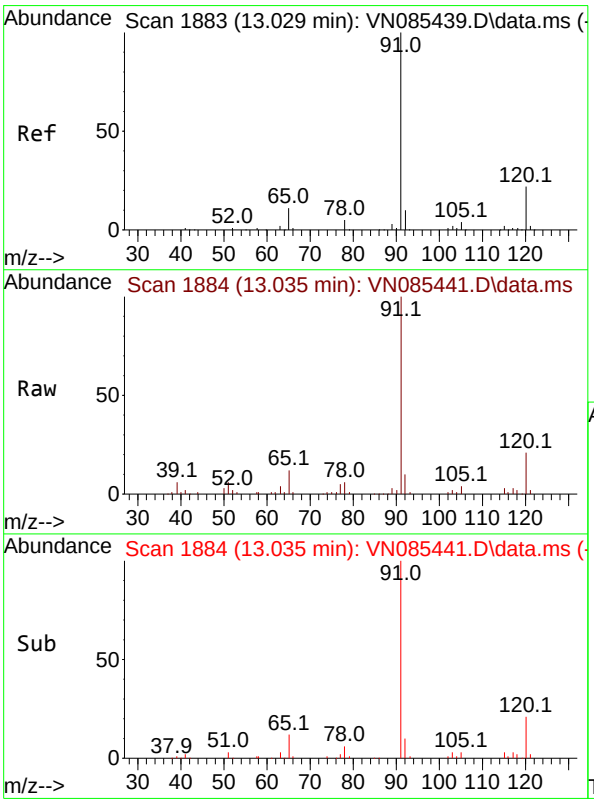
#77
Bromobenzene
Concen: 9.720 ug/l
RT: 12.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:156 Resp: 22784

Ion	Ratio	Lower	Upper
156	100		
77	221.6	114.1	342.4
158	98.7	48.9	146.8

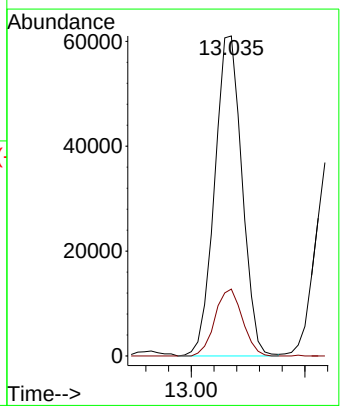


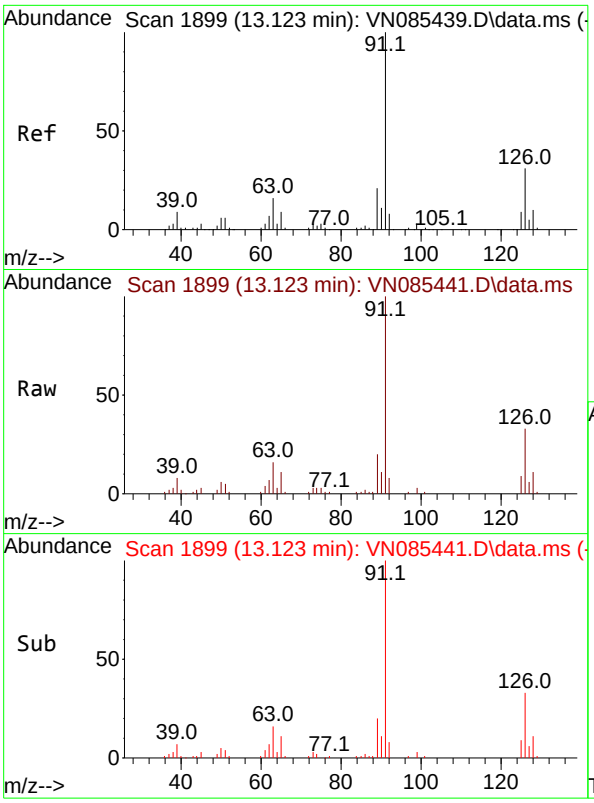


#78
n-propylbenzene
Concen: 9.628 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.006 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 91 Resp: 102262

Ion	Ratio	Lower	Upper
91	100		
120	20.9	10.9	32.6



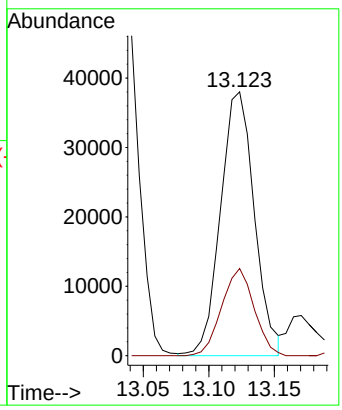


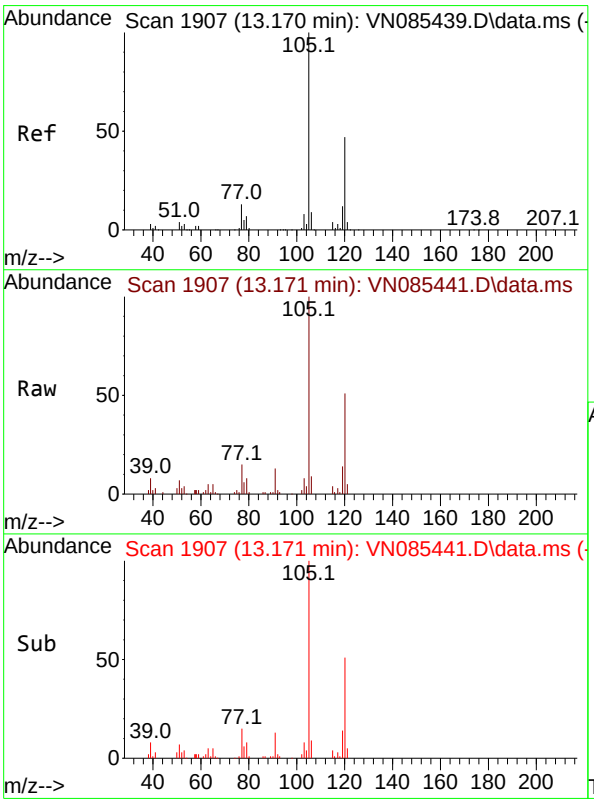
#79
2-Chlorotoluene
Concen: 9.943 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 68346

Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.7	47.1

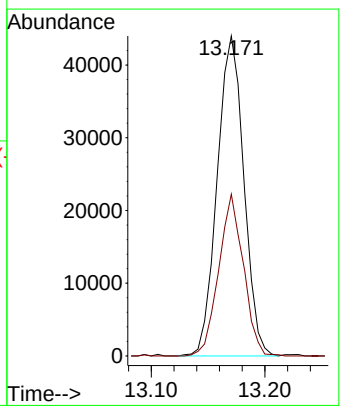


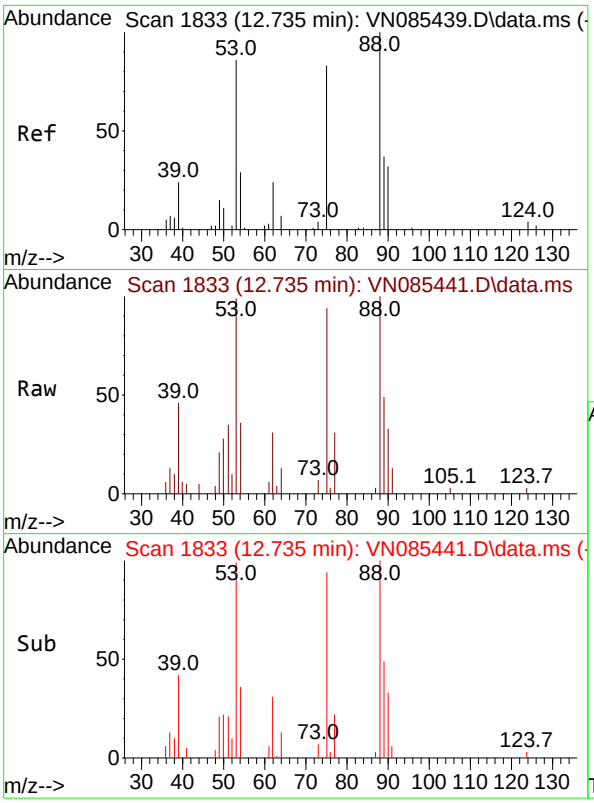


#80
1,3,5-Trimethylbenzene
Concen: 9.669 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion:105 Resp: 71656

Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.9	71.7



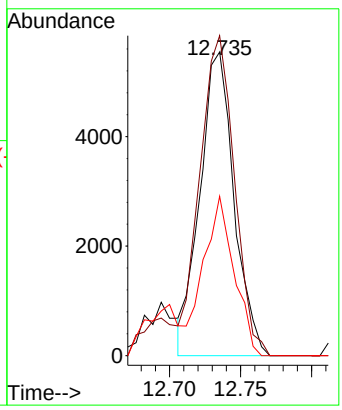


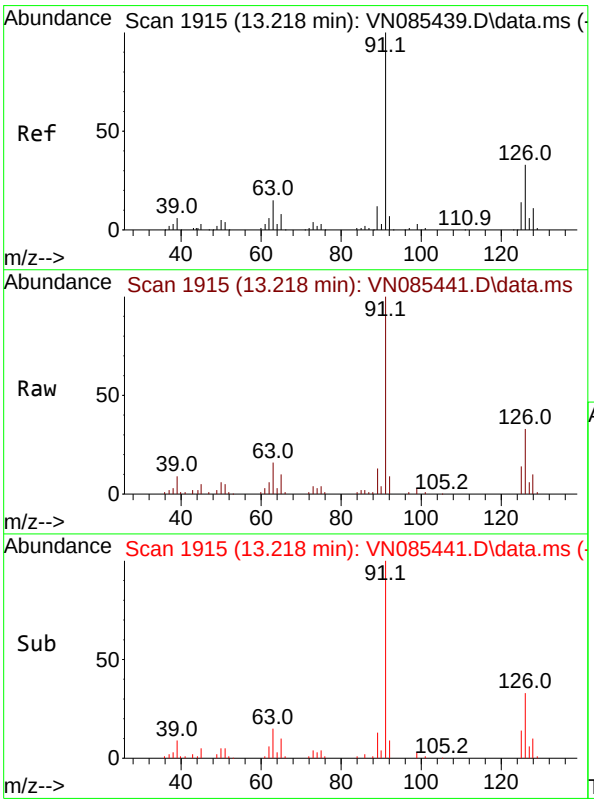
#81
trans-1,4-Dichloro-2-butene
Concen: 9.248 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 75 Resp: 9236

Ion	Ratio	Lower	Upper
75	100		
53	119.6	95.6	143.4
89	46.6	37.0	55.6

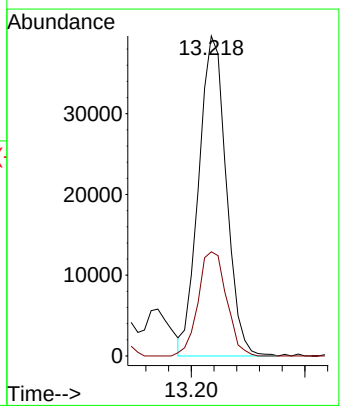


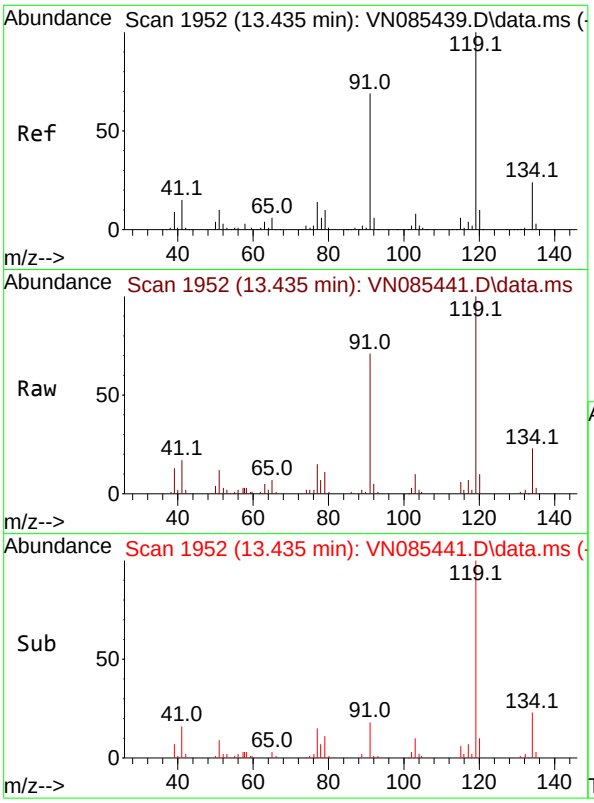


#82
4-Chlorotoluene
Concen: 9.756 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 91 Resp: 66773

Ion	Ratio	Lower	Upper
91	100		
126	33.6	15.9	47.7



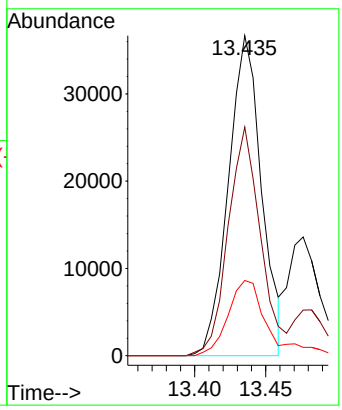


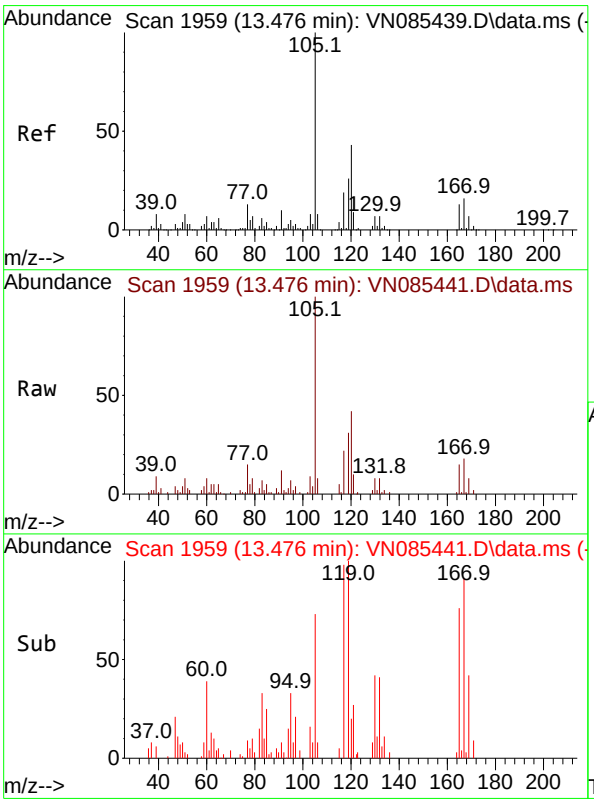
#83
tert-Butylbenzene
Concen: 9.553 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:119 Resp: 59455

Ion	Ratio	Lower	Upper
119	100		
91	70.0	35.1	105.3
134	27.8	12.0	36.1

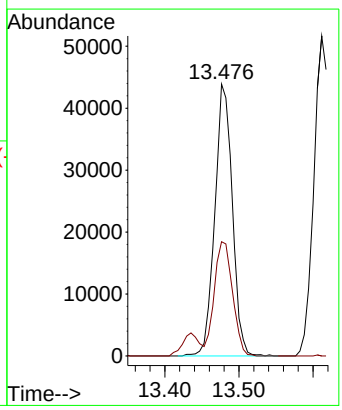


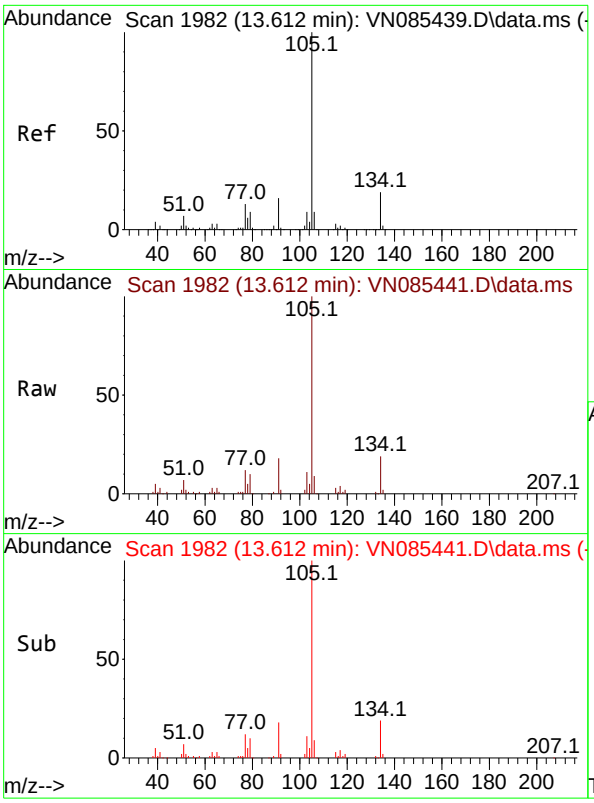


#84
1,2,4-Trimethylbenzene
Concen: 9.754 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion:105 Resp: 72046

Ion	Ratio	Lower	Upper
105	100		
120	43.8	21.6	65.0



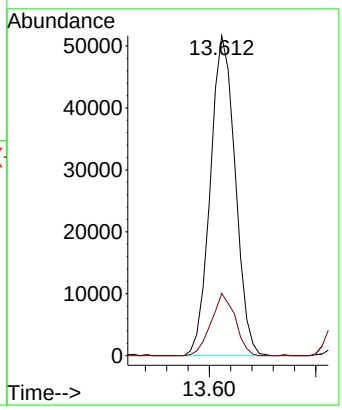


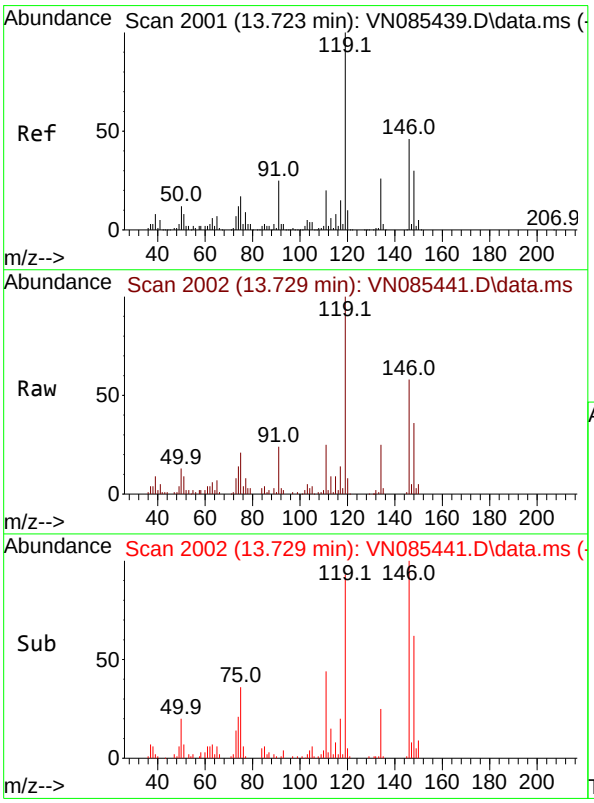
#85
sec-Butylbenzene
Concen: 9.699 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:105 Resp: 83662

Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.7	28.9

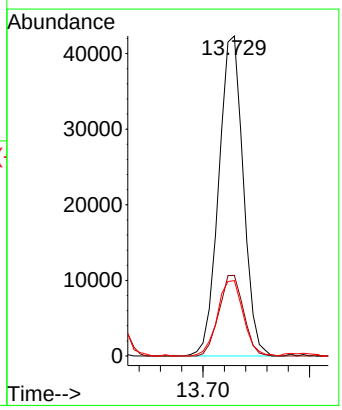


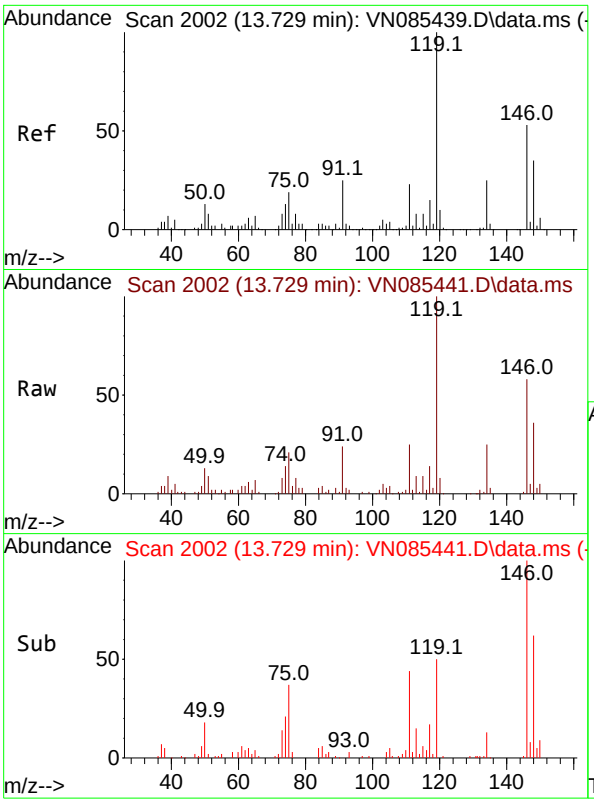


#86
p-Isopropyltoluene
Concen: 9.674 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion:119 Resp: 67556

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.7	38.0
91	25.0	12.7	38.1



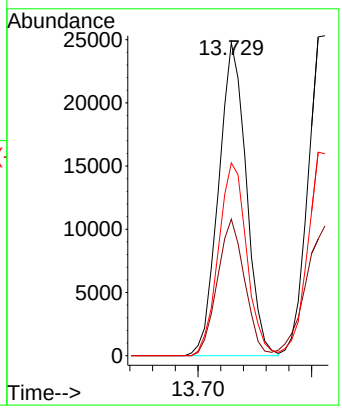


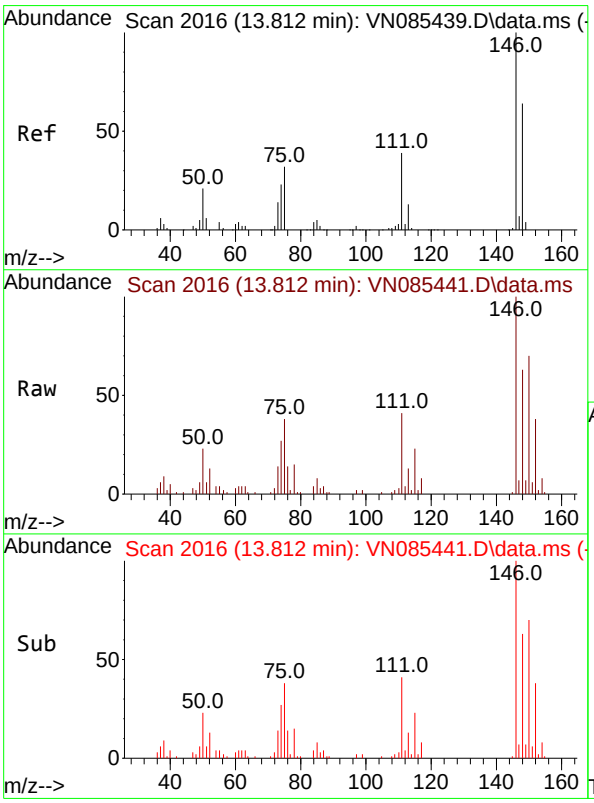
#87
1,3-Dichlorobenzene
Concen: 9.693 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:146 Resp: 41843

Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.4	64.3
148	63.0	32.3	96.9

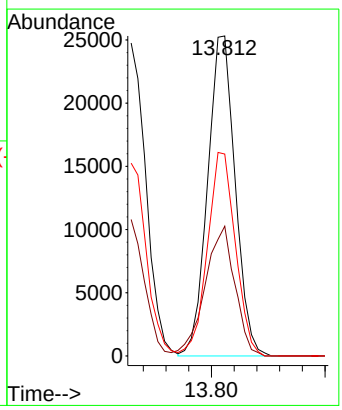


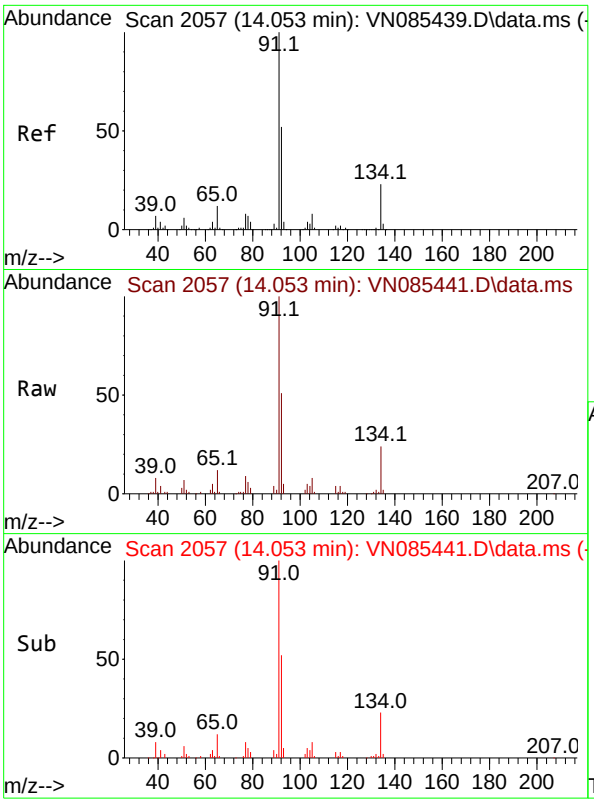


#88
1,4-Dichlorobenzene
Concen: 9.549 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion:146 Resp: 42728

Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.3	63.7
148	64.6	32.4	97.0



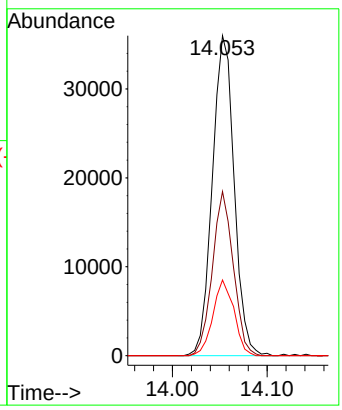


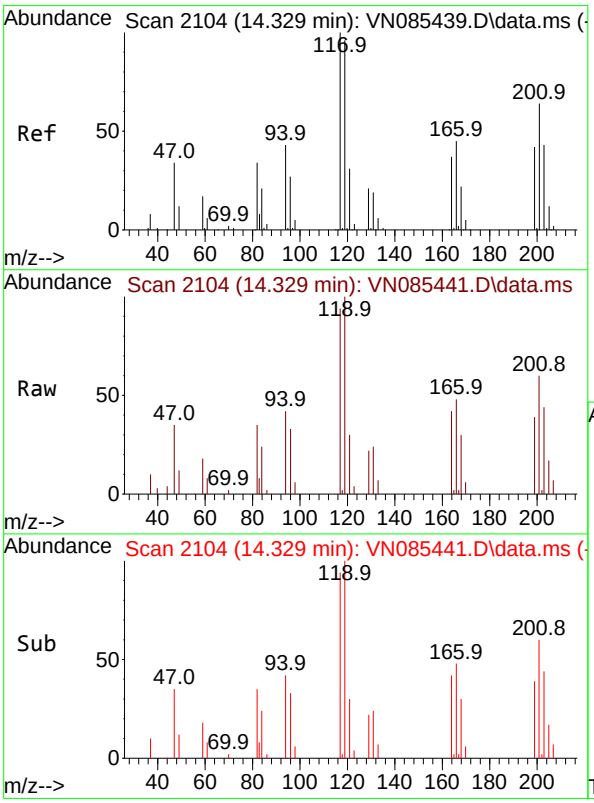
#89
n-Butylbenzene
Concen: 9.314 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 57632

Ion	Ratio	Lower	Upper
91	100		
92	49.2	25.8	77.3
134	22.8	11.7	35.1

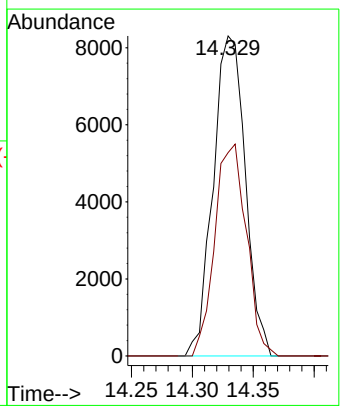


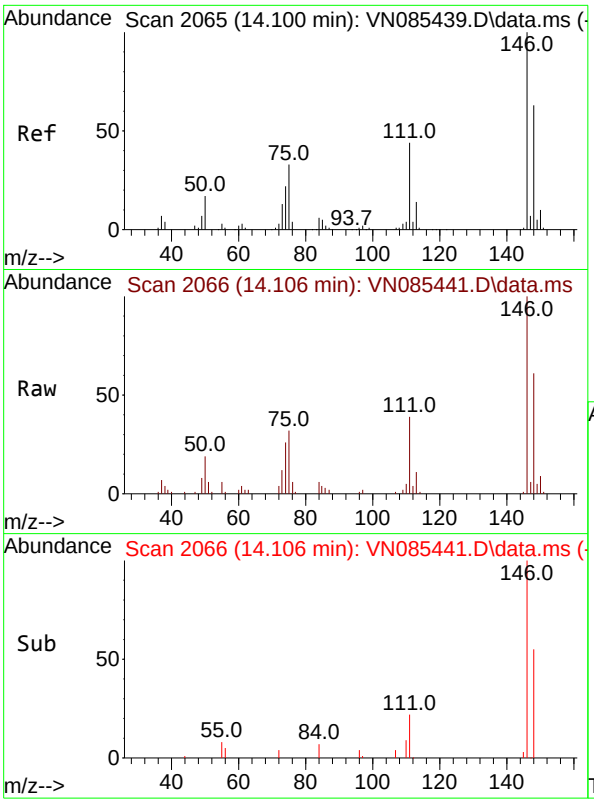


#90
Hexachloroethane
Concen: 9.294 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion:117 Resp: 15261

Ion	Ratio	Lower	Upper
117	100		
201	65.0	33.7	101.0



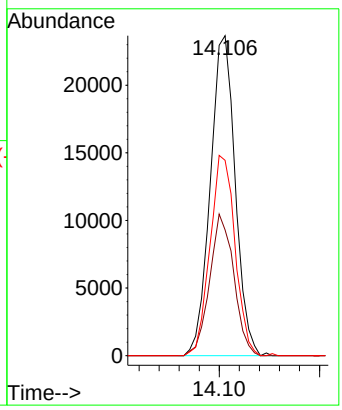


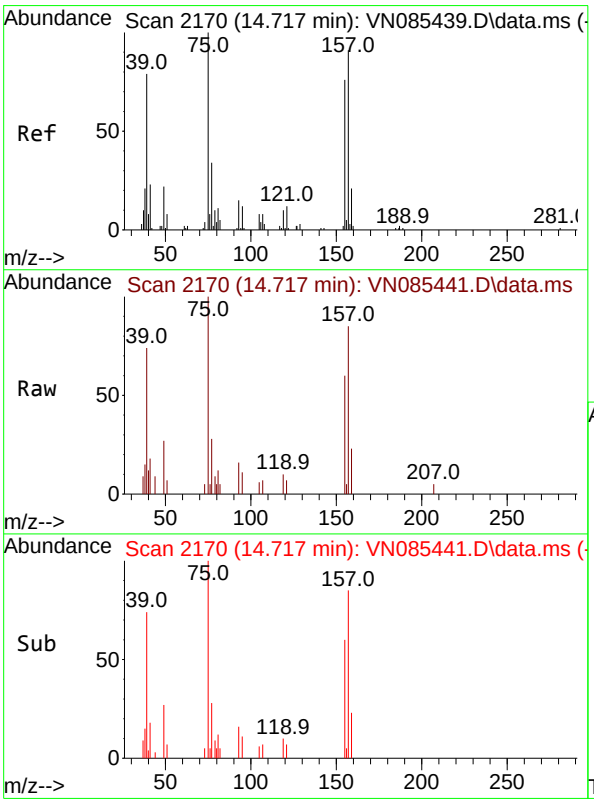
#91
1,2-Dichlorobenzene
Concen: 9.458 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:146 Resp: 40726

Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.7	65.1
148	62.9	31.4	94.2

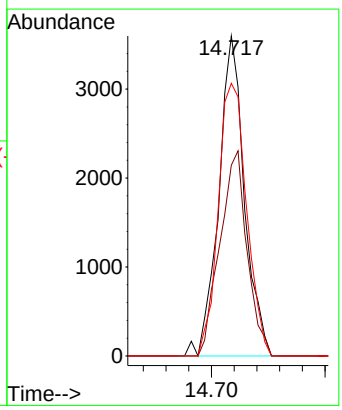


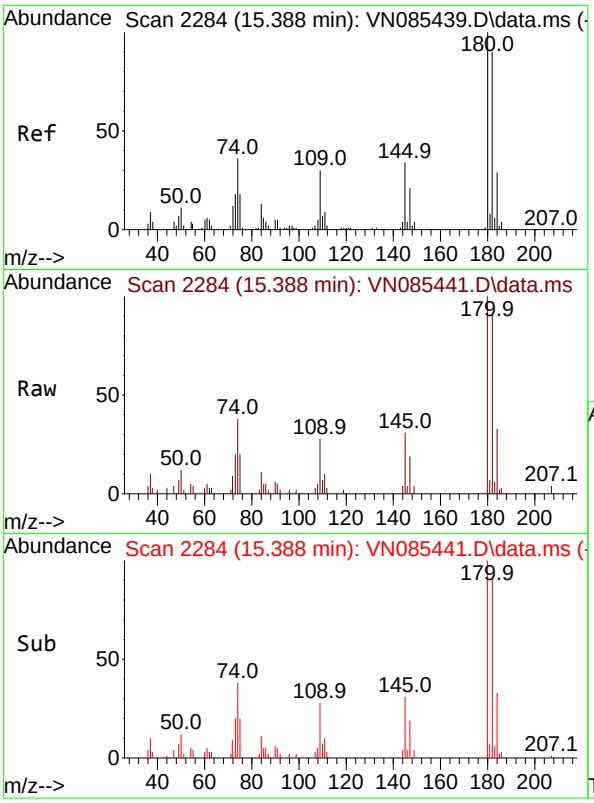


#92
1,2-Dibromo-3-Chloropropane
Concen: 9.744 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion: 75 Resp: 5639

Ion	Ratio	Lower	Upper
75	100		
155	67.9	36.4	109.2
157	94.1	45.4	136.1



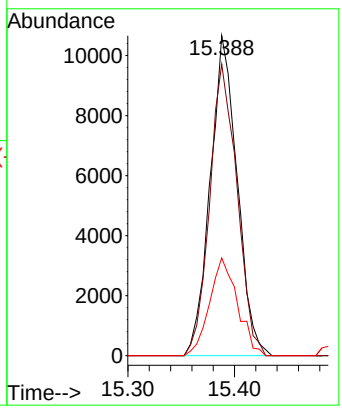


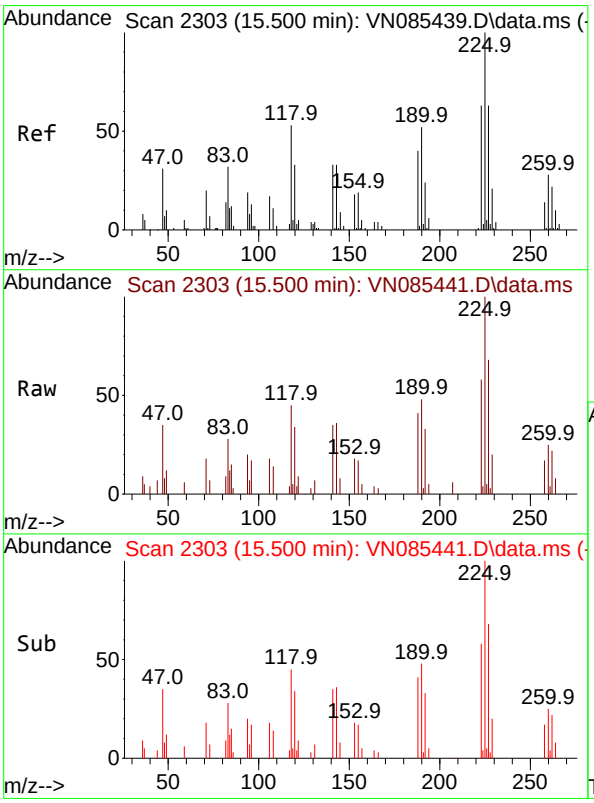
#93
1,2,4-Trichlorobenzene
Concen: 9.354 ug/l
RT: 15.388 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:180 Resp: 18720

Ion	Ratio	Lower	Upper
180	100		
182	92.4	46.8	140.3
145	31.7	16.0	48.0

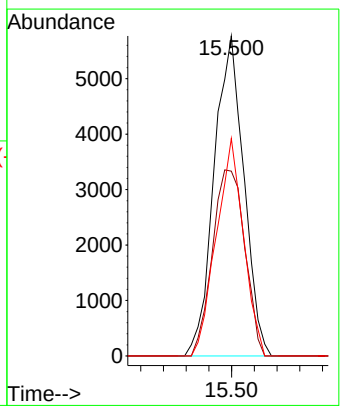


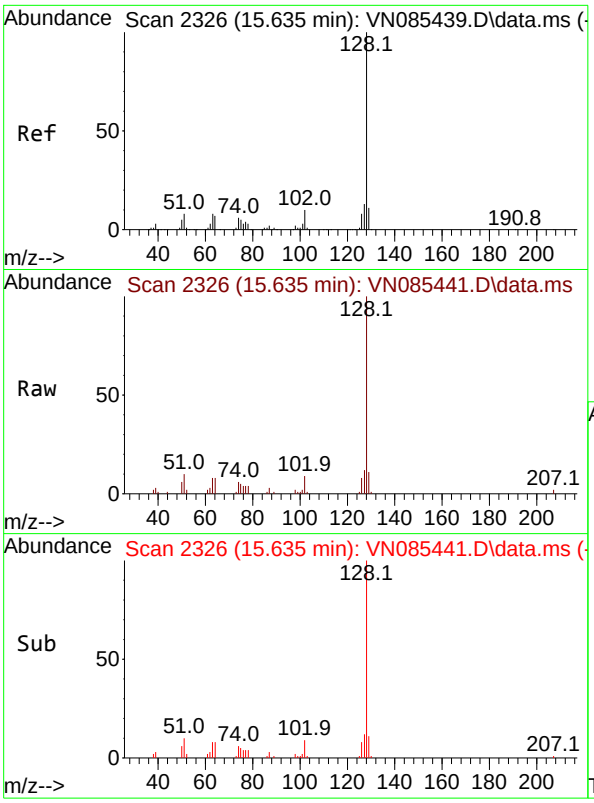


#94
Hexachlorobutadiene
Concen: 9.874 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion:225 Resp: 10491

Ion	Ratio	Lower	Upper
225	100		
223	63.3	30.7	92.1
227	62.1	30.9	92.5



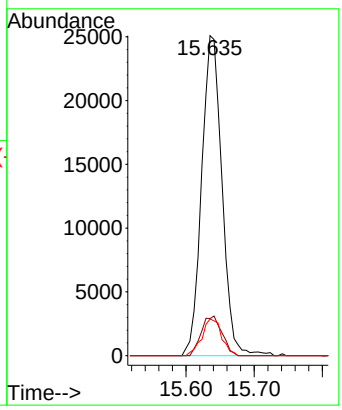


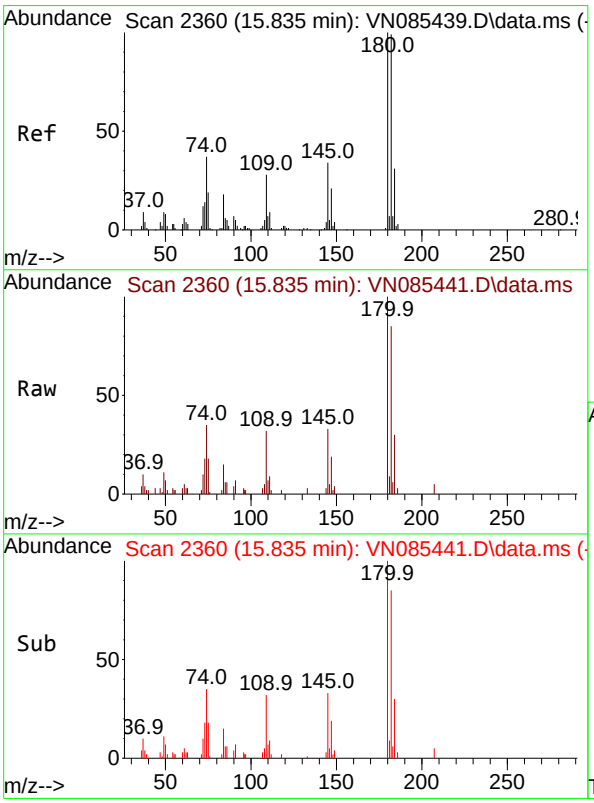
#95
Naphthalene
Concen: 8.717 ug/l
RT: 15.635 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:128 Resp: 52054

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.6	16.0
129	11.2	8.8	13.2

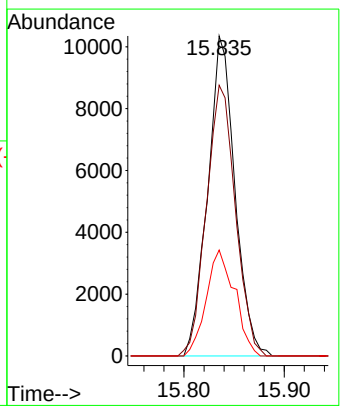




#96
1,2,3-Trichlorobenzene
Concen: 9.605 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN085441.D
Acq: 14 Jan 2025 16:07

Tgt Ion:180 Resp: 19450

Ion	Ratio	Lower	Upper
180	100		
182	90.3	47.4	142.2
145	34.7	16.9	50.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085442.D
Acq On : 14 Jan 2025 16:31
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Jan 15 01:45:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.218	168	186556	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.100	114	324413	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	282203	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	126086	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.577	65	17046	5.660	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	11.320%#			
35) Dibromofluoromethane	8.165	113	12102	5.377	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.760%#			
50) Toluene-d8	10.565	98	41328	5.168	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	10.340%#			
62) 4-Bromofluorobenzene	12.847	95	13520	4.943	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	9.880%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	13199	5.225	ug/l		97
3) Chloromethane	2.359	50	14526	5.311	ug/l		96
4) Vinyl Chloride	2.512	62	14564	5.298	ug/l		98
5) Bromomethane	2.953	94	9788	5.895	ug/l		98
6) Chloroethane	3.124	64	9430	5.411	ug/l		99
7) Trichlorofluoromethane	3.501	101	20098	5.039	ug/l		92
8) Diethyl Ether	3.959	74	6652	4.828	ug/l		100
9) 1,1,2-Trichlorotrifluo...	4.365	101	11917	5.305	ug/l		97
10) Methyl Iodide	4.583	142	12331	4.793	ug/l		99
11) Tert butyl alcohol	5.518	59	9075	26.318	ug/l	#	94
12) 1,1-Dichloroethene	4.342	96	10429	5.209	ug/l		96
13) Acrolein	4.171	56	9430	20.033	ug/l		97
14) Allyl chloride	5.030	41	16741	5.153	ug/l		97
15) Acrylonitrile	5.718	53	27869	25.445	ug/l		97
16) Acetone	4.430	43	25122	25.819	ug/l		97
17) Carbon Disulfide	4.706	76	32068	5.202	ug/l		96
18) Methyl Acetate	5.024	43	15106	5.106	ug/l		97
19) Methyl tert-butyl Ether	5.800	73	31439	4.836	ug/l		94
20) Methylene Chloride	5.271	84	12981	5.389	ug/l	#	83
21) trans-1,2-Dichloroethene	5.783	96	10614	4.960	ug/l	#	78
22) Diisopropyl ether	6.665	45	35785	4.962	ug/l	#	96
23) Vinyl Acetate	6.600	43	139425	27.533	ug/l		96
24) 1,1-Dichloroethane	6.565	63	22865	5.200	ug/l		99
25) 2-Butanone	7.483	43	36127	25.231	ug/l		99
26) 2,2-Dichloropropane	7.488	77	18398	5.175	ug/l		100
27) cis-1,2-Dichloroethene	7.488	96	12477	4.951	ug/l		99
28) Bromochloromethane	7.806	49	11096	5.424	ug/l		99
29) Tetrahydrofuran	7.841	42	21983	24.215	ug/l		99
30) Chloroform	7.959	83	23384	5.146	ug/l		98
31) Cyclohexane	8.247	56	22343	5.846	ug/l	#	92
32) 1,1,1-Trichloroethane	8.159	97	21416	5.372	ug/l		91
36) 1,1-Dichloropropene	8.371	75	15886	5.029	ug/l		96
37) Ethyl Acetate	7.553	43	15336	4.810	ug/l		100
38) Carbon Tetrachloride	8.359	117	18317	5.065	ug/l		96
39) Methylcyclohexane	9.600	83	14175	4.776	ug/l		98
40) Benzene	8.600	78	47833	5.040	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085442.D
Acq On : 14 Jan 2025 16:31
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Jan 15 01:45:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	7380	4.449	ug/l		96
42) 1,2-Dichloroethane	8.671	62	18628	5.211	ug/l		98
43) Isopropyl Acetate	8.688	43	24792	4.853	ug/l		98
44) Trichloroethene	9.347	130	11133	5.039	ug/l		86
45) 1,2-Dichloropropane	9.618	63	12591	5.194	ug/l		92
46) Dibromomethane	9.700	93	8230	4.705	ug/l		91
47) Bromodichloromethane	9.888	83	18456	5.179	ug/l	#	96
48) Methyl methacrylate	9.677	41	10574	4.599	ug/l		95
49) 1,4-Dioxane	9.694	88	3619	93.477	ug/l		97
51) 4-Methyl-2-Pentanone	10.441	43	71889	24.250	ug/l		98
52) Toluene	10.629	92	27098	4.928	ug/l		98
53) t-1,3-Dichloropropene	10.829	75	17099	5.077	ug/l		95
54) cis-1,3-Dichloropropene	10.306	75	17440	4.848	ug/l		97
55) 1,1,2-Trichloroethane	11.012	97	11311	5.197	ug/l		96
56) Ethyl methacrylate	10.871	69	14094	5.627	ug/l		94
57) 1,3-Dichloropropane	11.159	76	18945	5.006	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	33210	24.047	ug/l		97
59) 2-Hexanone	11.194	43	49021	23.501	ug/l		94
60) Dibromochloromethane	11.353	129	13635	5.190	ug/l		96
61) 1,2-Dibromoethane	11.471	107	10419	4.810	ug/l		98
64) Tetrachloroethene	11.100	164	9756	5.071	ug/l		91
65) Chlorobenzene	11.888	112	31312	5.065	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	11620	5.121	ug/l		98
67) Ethyl Benzene	11.965	91	48216	4.789	ug/l		98
68) m/p-Xylenes	12.065	106	34771	9.344	ug/l		99
69) o-Xylene	12.394	106	16419	4.617	ug/l		98
70) Styrene	12.412	104	26218	4.454	ug/l		99
71) Bromoform	12.576	173	8017	4.938	ug/l	#	99
73) Isopropylbenzene	12.694	105	39811	4.678	ug/l		99
74) N-amyl acetate	12.488	43	17577	4.595	ug/l		95
75) 1,1,2,2-Tetrachloroethane	12.935	83	15483	5.151	ug/l		97
76) 1,2,3-Trichloropropane	12.994	75	18624	7.279	ug/l		48
77) Bromobenzene	12.982	156	11091	4.989	ug/l		99
78) n-propylbenzene	13.035	91	45450	4.512	ug/l		99
79) 2-Chlorotoluene	13.123	91	31932	4.898	ug/l		98
80) 1,3,5-Trimethylbenzene	13.170	105	31891	4.537	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.729	75	4229	4.465	ug/l		90
82) 4-Chlorotoluene	13.218	91	31976	4.926	ug/l		100
83) tert-Butylbenzene	13.435	119	27597	4.675	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	32054	4.575	ug/l		98
85) sec-Butylbenzene	13.612	105	38148	4.663	ug/l		98
86) p-Isopropyltoluene	13.723	119	29856	4.584	ug/l		98
87) 1,3-Dichlorobenzene	13.729	146	20876	5.099	ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	21982	5.179	ug/l		97
89) n-Butylbenzene	14.053	91	27437	4.675	ug/l		96
90) Hexachloroethane	14.329	117	7767	4.987	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	20177	4.940	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.729	75	2872	5.232	ug/l		90
93) 1,2,4-Trichlorobenzene	15.388	180	9037	4.761	ug/l		94
94) Hexachlorobutadiene	15.500	225	5563	5.520	ug/l		98
95) Naphthalene	15.641	128	25047	4.422	ug/l		96
96) 1,2,3-Trichlorobenzene	15.841	180	8737	4.549	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085442.D
Acq On : 14 Jan 2025 16:31
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Jan 15 01:45:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

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

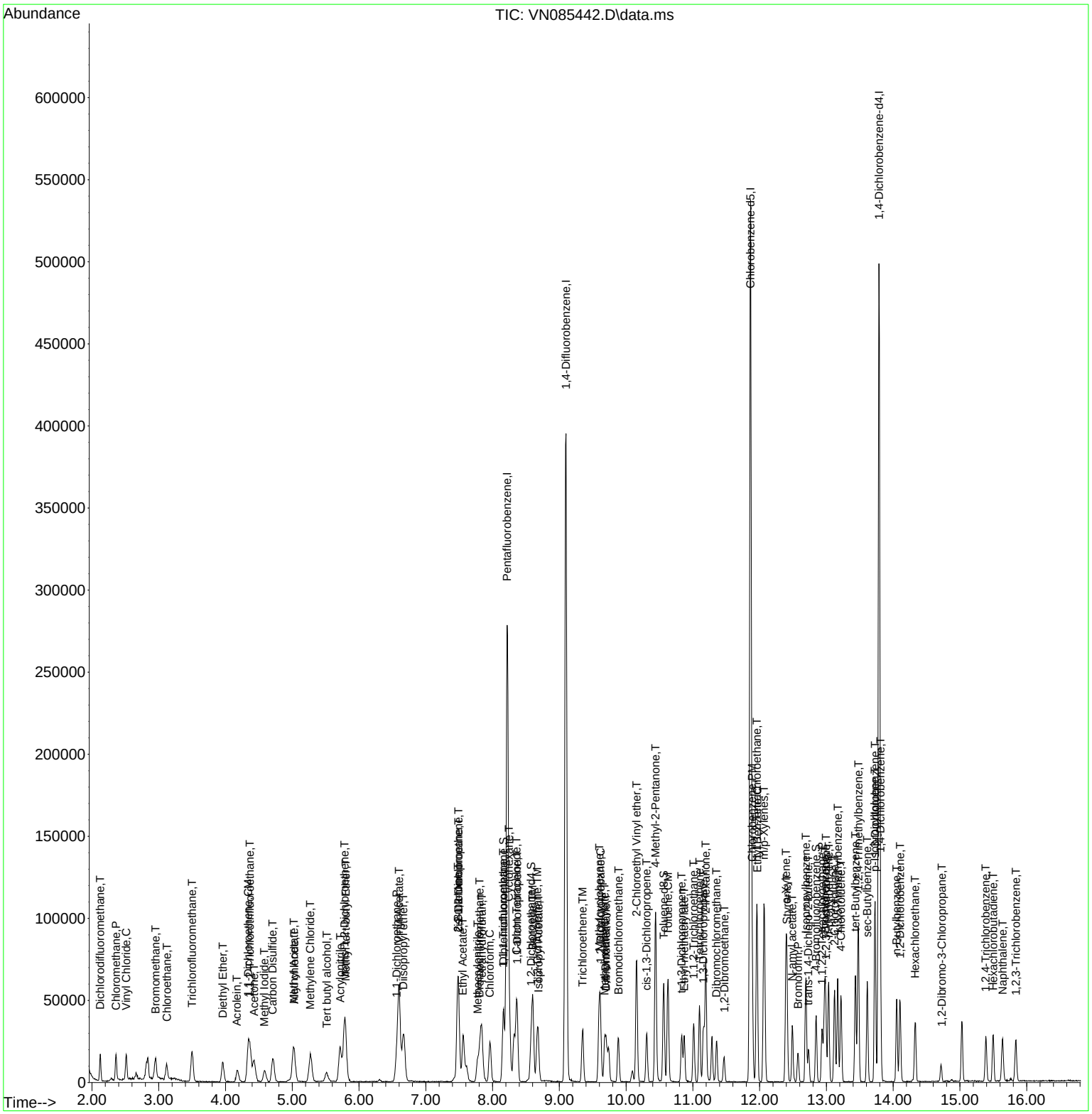
(#) = qualifier out of range (m) = manual integration (+) = signals summed

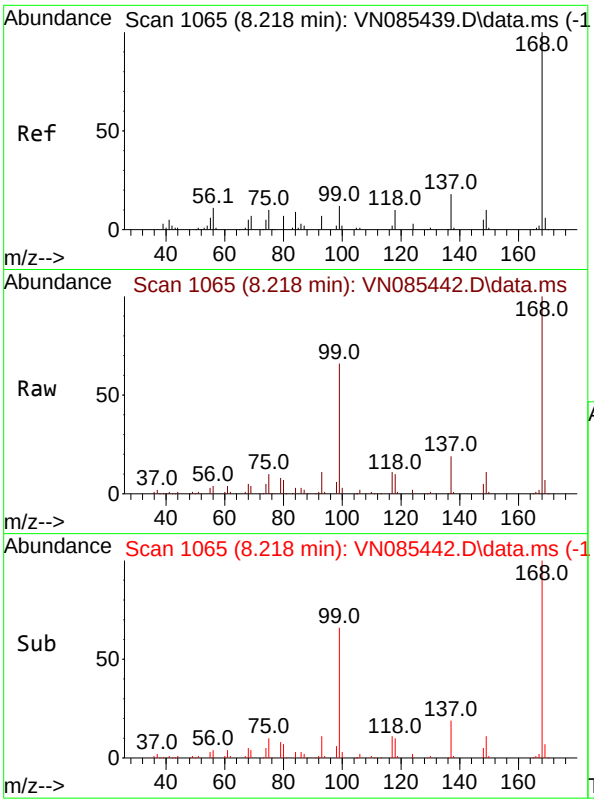
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085442.D
Acq On : 14 Jan 2025 16:31
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Jan 15 01:45:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration



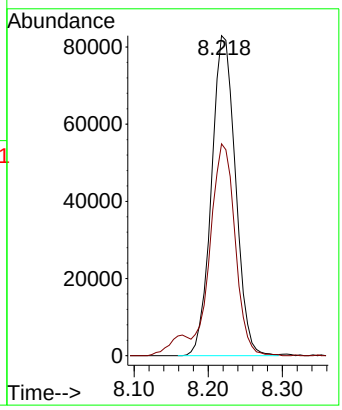


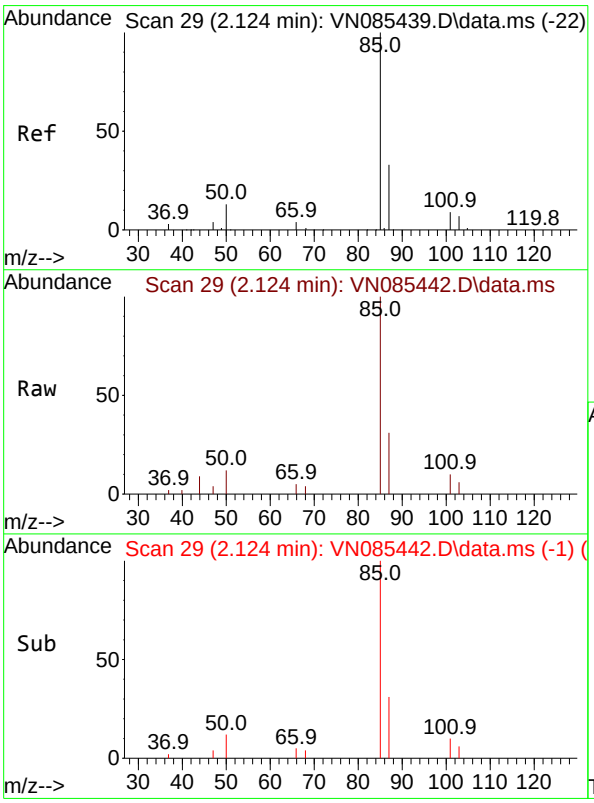
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:168 Resp: 186556

Ion	Ratio	Lower	Upper
168	100		
99	65.9	53.6	80.4

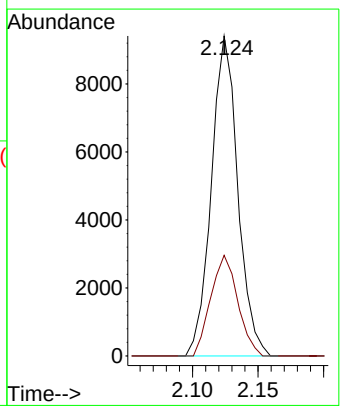


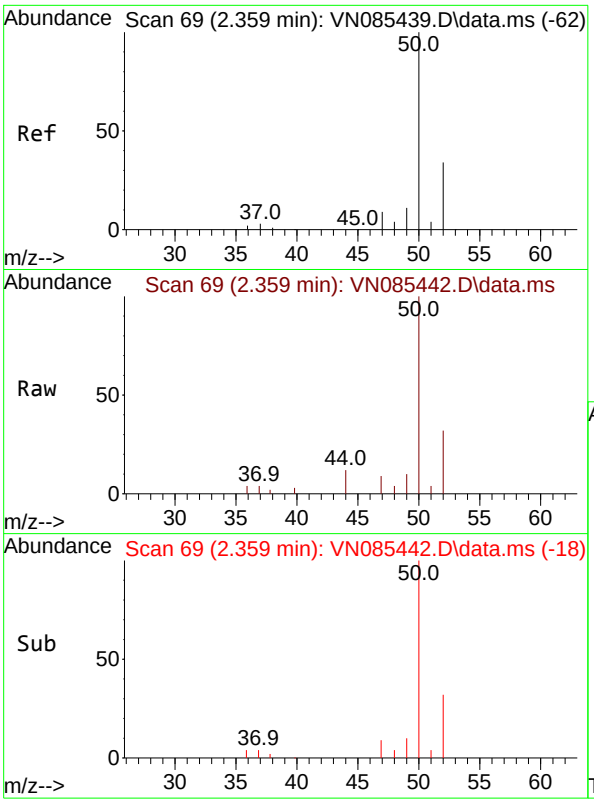


#2
Dichlorodifluoromethane
Concen: 5.225 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 85 Resp: 13199

Ion	Ratio	Lower	Upper
85	100		
87	31.5	16.7	50.1



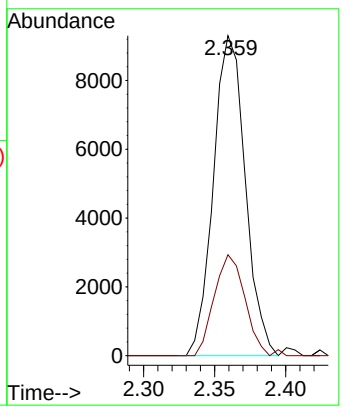


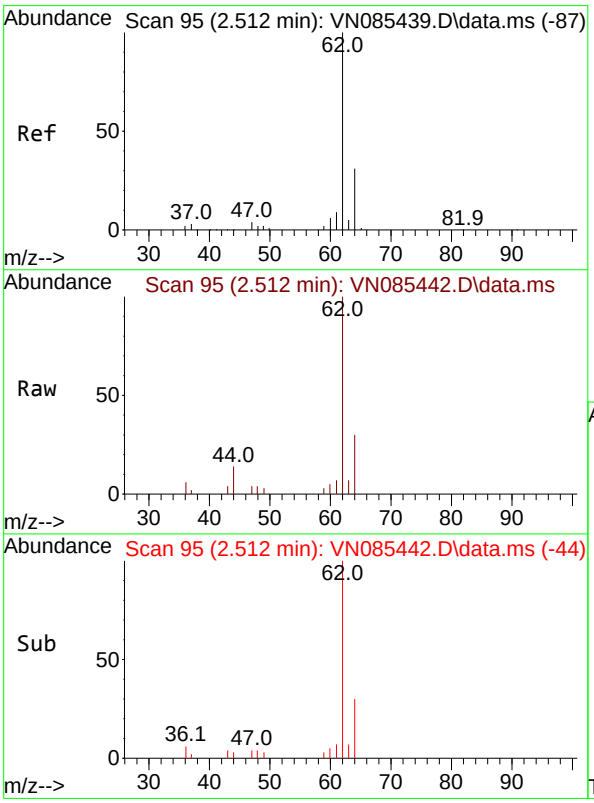
#3
Chloromethane
Concen: 5.311 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 14526

Ion	Ratio	Lower	Upper
50	100		
52	31.6	27.0	40.6

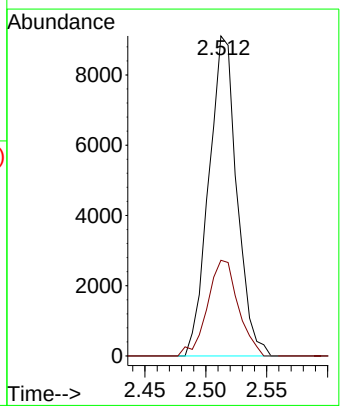


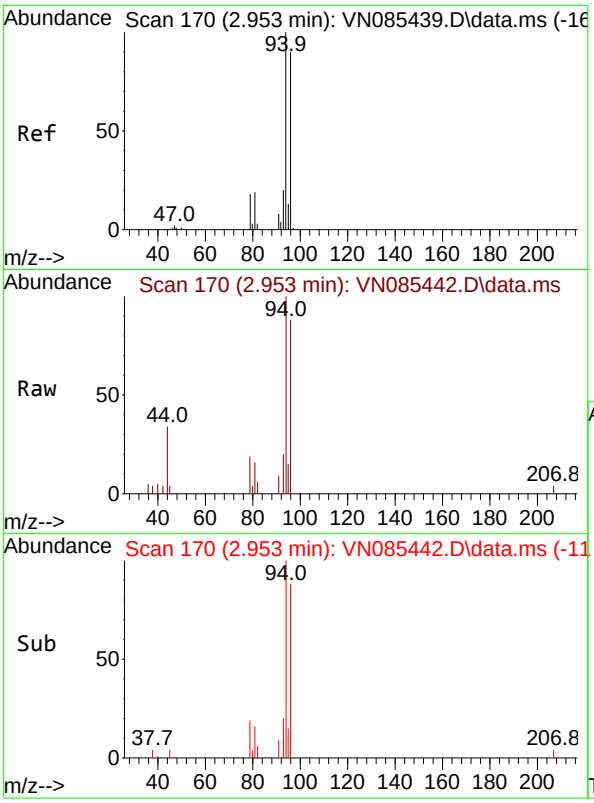


#4
Vinyl Chloride
Concen: 5.298 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 62 Resp: 14564

Ion	Ratio	Lower	Upper
62	100		
64	29.9	24.8	37.2



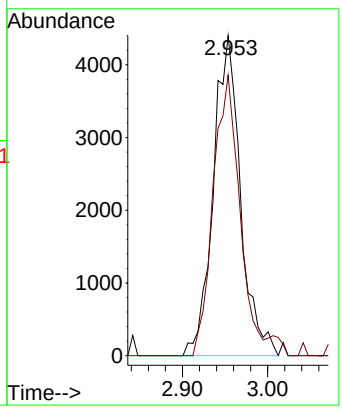


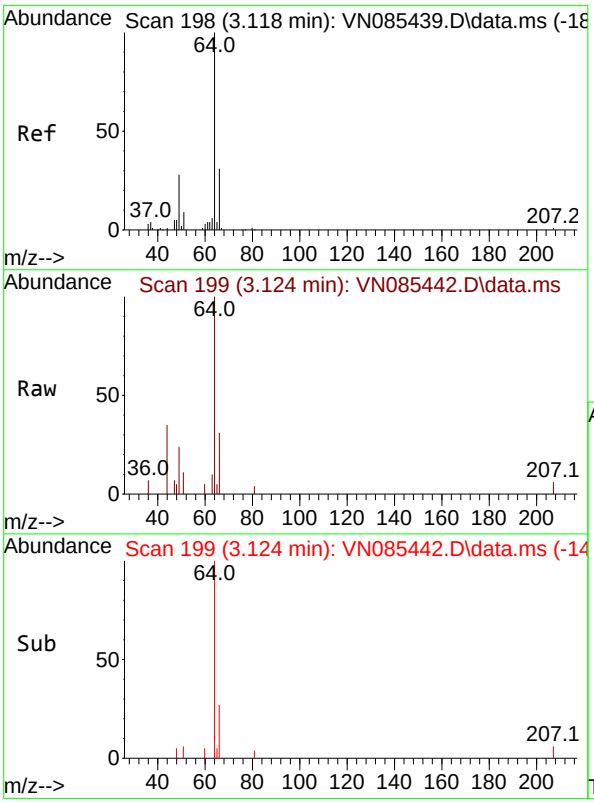
#5
Bromomethane
Concen: 5.895 ug/l
RT: 2.953 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 9788

Ion	Ratio	Lower	Upper
94	100		
96	87.7	71.8	107.6

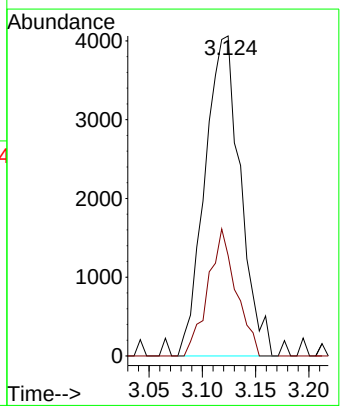


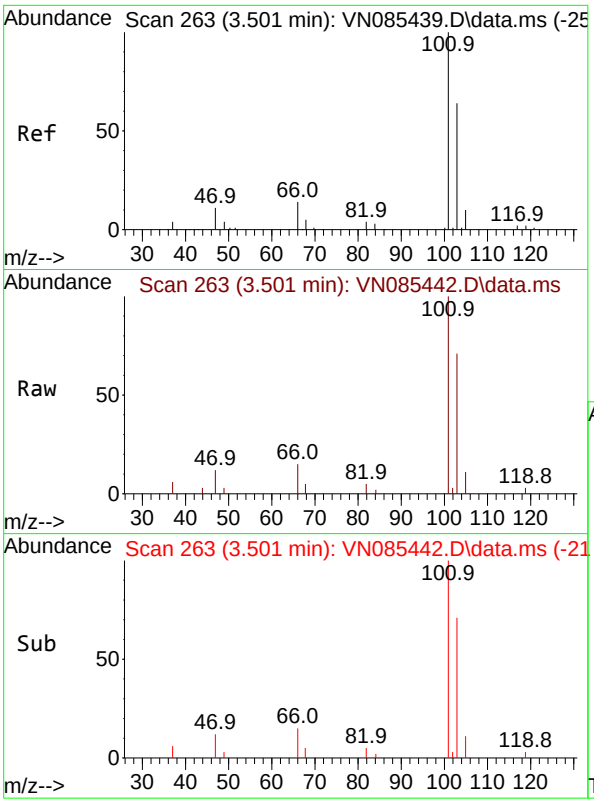


#6
Chloroethane
Concen: 5.411 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 64 Resp: 9430

Ion	Ratio	Lower	Upper
64	100		
66	31.4	24.6	36.8



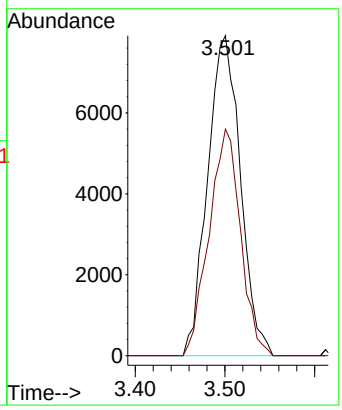


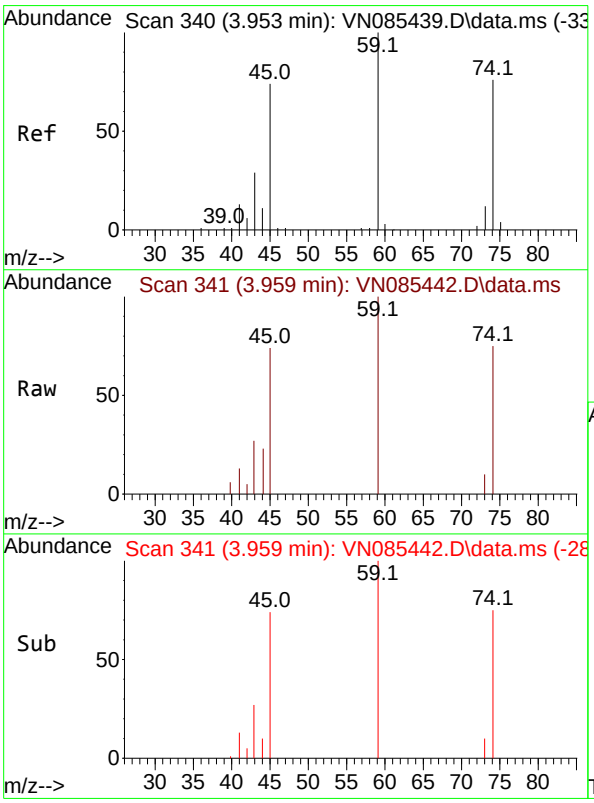
#7
Trichlorofluoromethane
Concen: 5.039 ug/l
RT: 3.501 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 20098

Ion	Ratio	Lower	Upper
101	100		
103	70.8	51.4	77.2

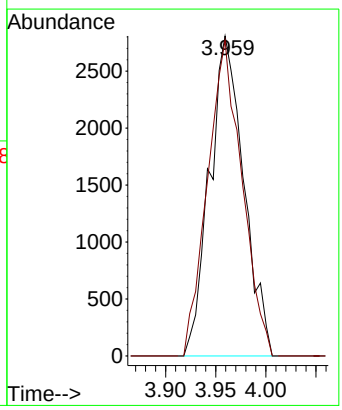


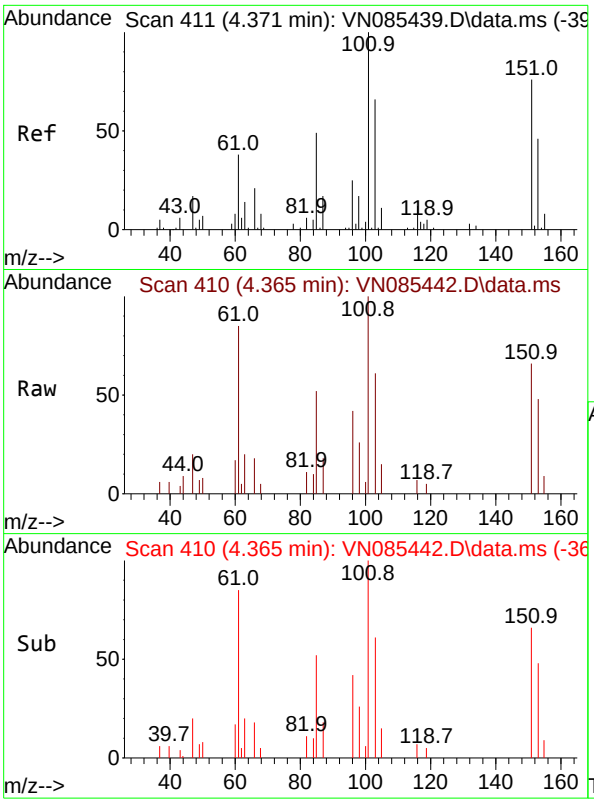


#8
Diethyl Ether
Concen: 4.828 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 74 Resp: 6652

Ion	Ratio	Lower	Upper
74	100		
45	99.5	49.7	149.1



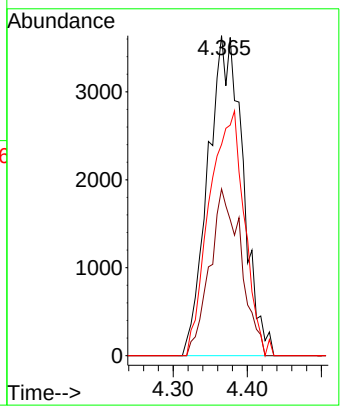


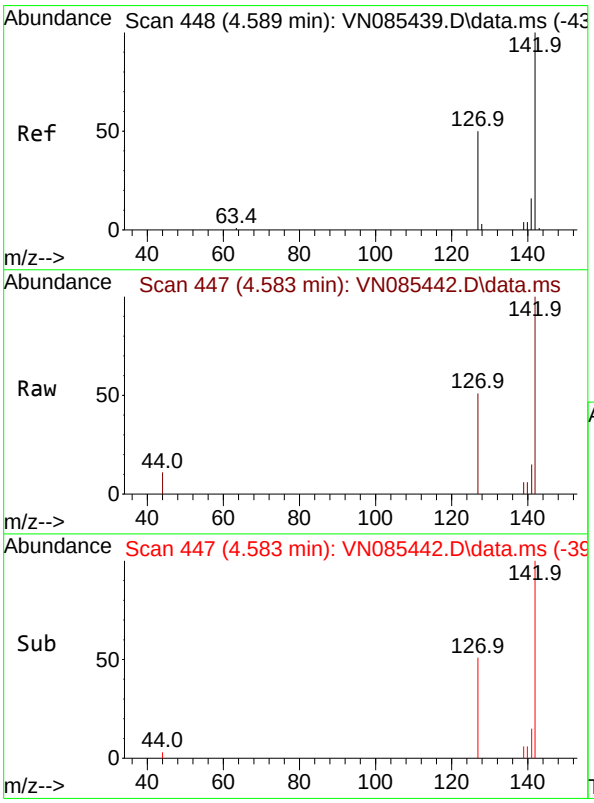
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.305 ug/l
RT: 4.365 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 11917

Ion	Ratio	Lower	Upper
101	100		
85	46.5	37.8	56.8
151	76.7	58.8	88.2

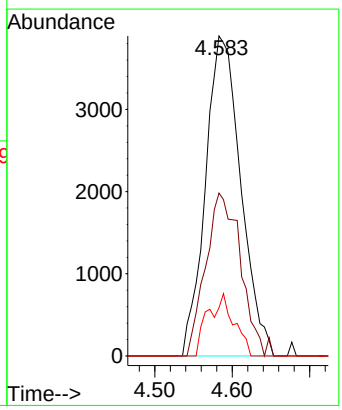


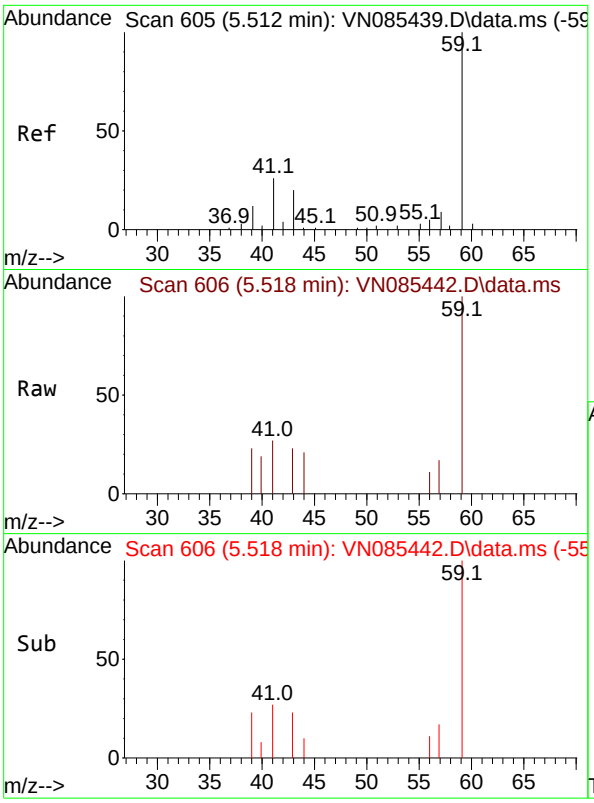


#10
Methyl Iodide
Concen: 4.793 ug/l
RT: 4.583 min Scan# 447
Delta R.T. -0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion:142 Resp: 12331

Ion	Ratio	Lower	Upper
142	100		
127	50.9	40.3	60.5
141	15.0	12.8	19.2



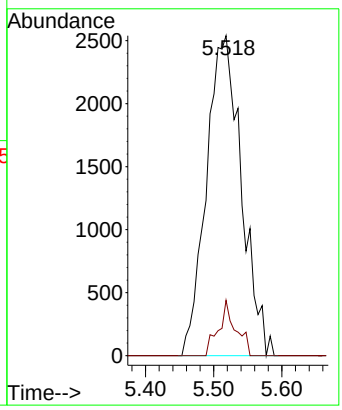


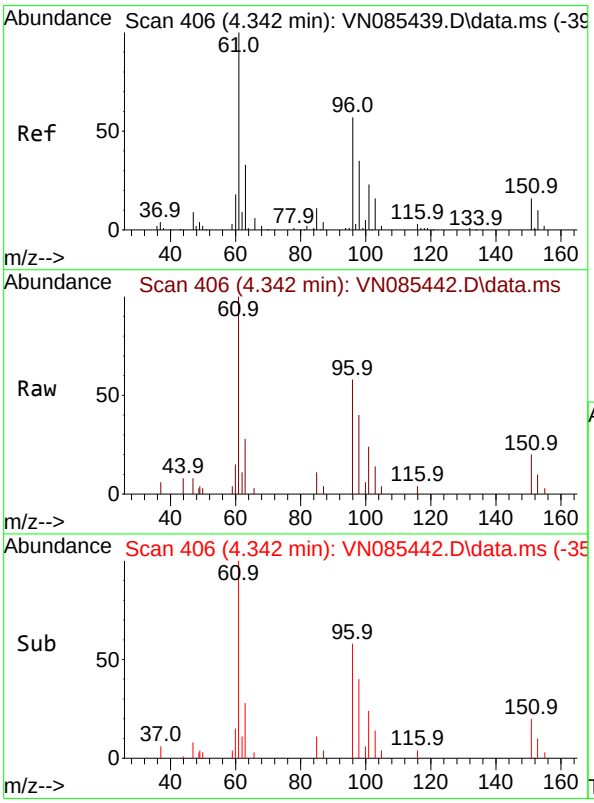
#11
Tert butyl alcohol
Concen: 26.318 ug/l
RT: 5.518 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 59 Resp: 9075

Ion	Ratio	Lower	Upper
59	100		
57	8.5	8.6	13.0#

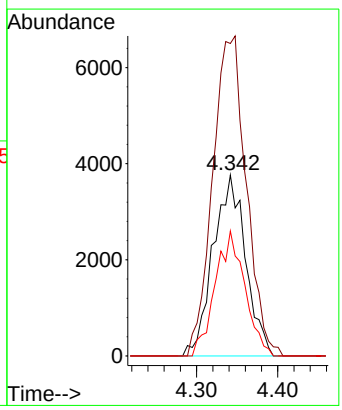


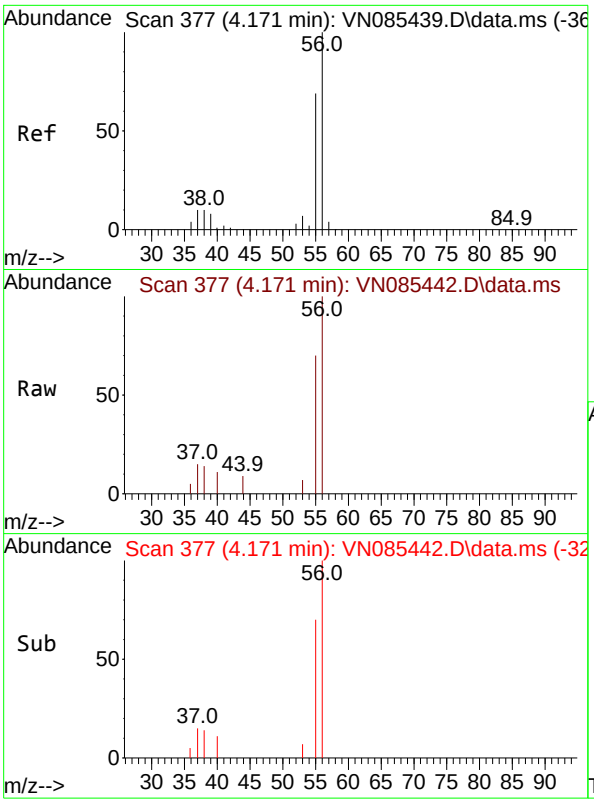


#12
1,1-Dichloroethene
Concen: 5.209 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 96 Resp: 10429

Ion	Ratio	Lower	Upper
96	100		
61	172.7	141.0	211.4
98	69.0	49.0	73.6



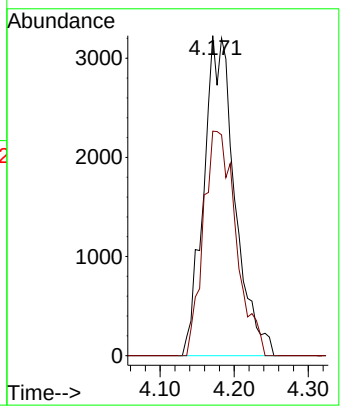


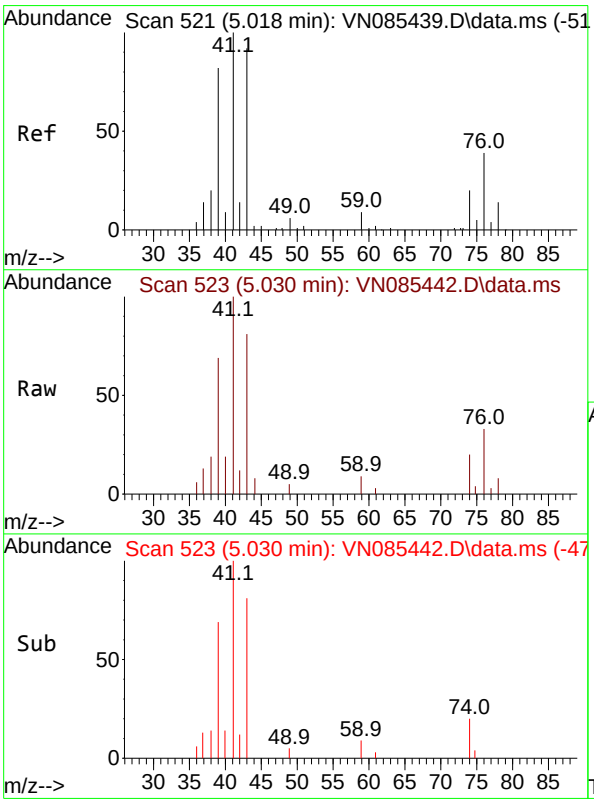
#13
Acrolein
Concen: 20.033 ug/l
RT: 4.171 min Scan# 3
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 9430

Ion	Ratio	Lower	Upper
56	100		
55	73.2	56.3	84.5

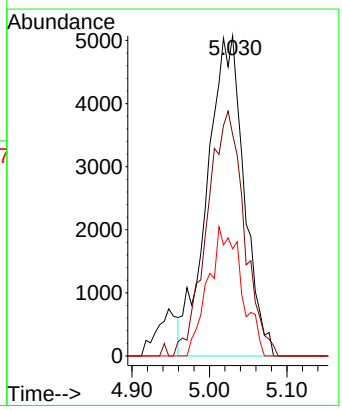


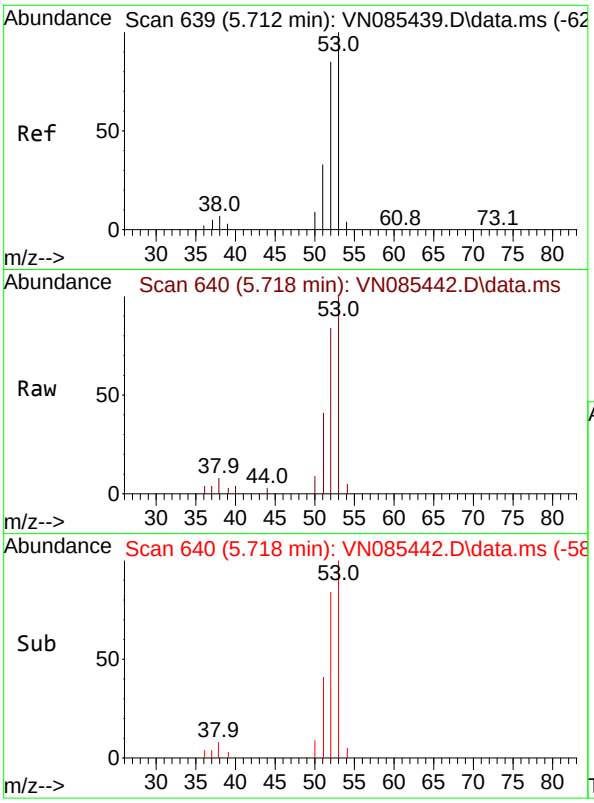


#14
Allyl chloride
Concen: 5.153 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 41 Resp: 16741

Ion	Ratio	Lower	Upper
41	100		
39	77.4	64.4	96.6
76	36.6	30.5	45.7



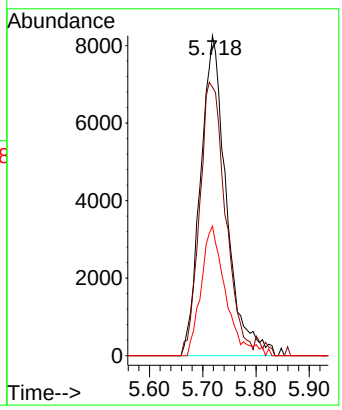


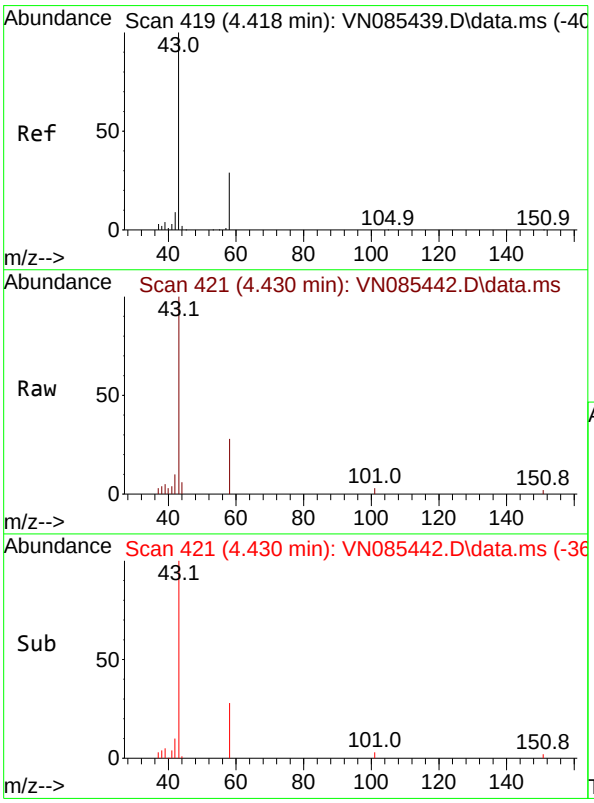
#15
Acrylonitrile
Concen: 25.445 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 53 Resp: 27869

Ion	Ratio	Lower	Upper
53	100		
52	85.5	65.5	98.3
51	38.5	29.8	44.8

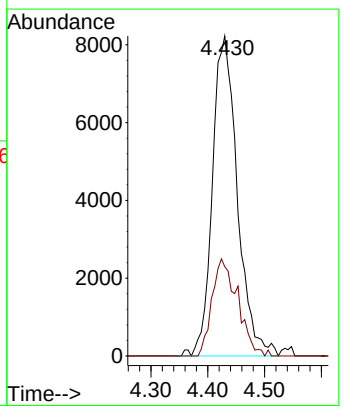


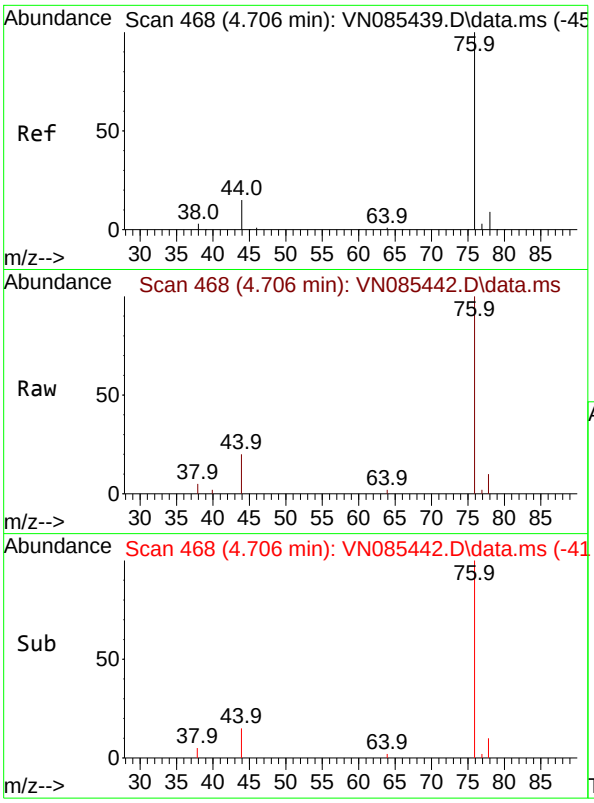


#16
Acetone
Concen: 25.819 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 43 Resp: 25122

Ion	Ratio	Lower	Upper
43	100		
58	27.9	23.8	35.6



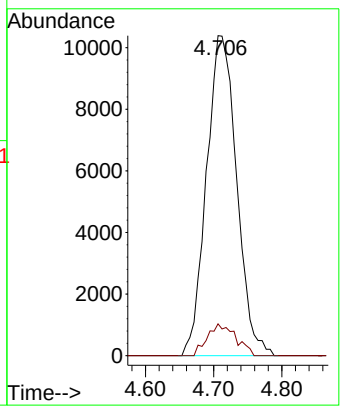


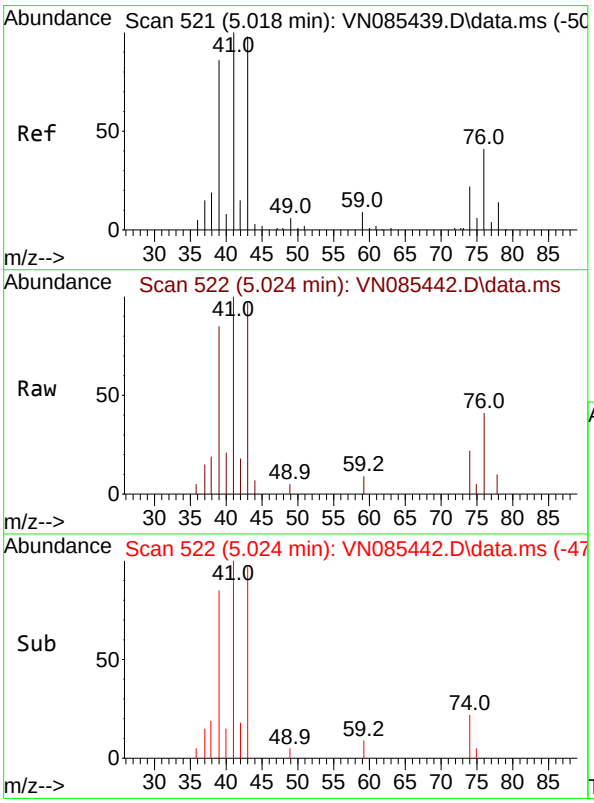
#17
Carbon Disulfide
Concen: 5.202 ug/l
RT: 4.706 min Scan# 4
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 32068

Ion	Ratio	Lower	Upper
76	100		
78	9.9	6.9	10.3

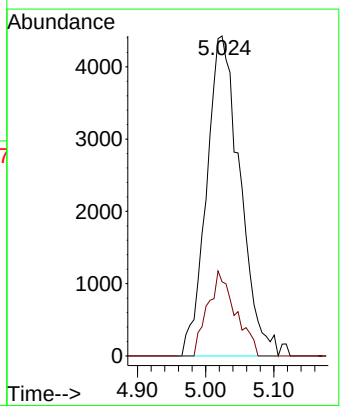


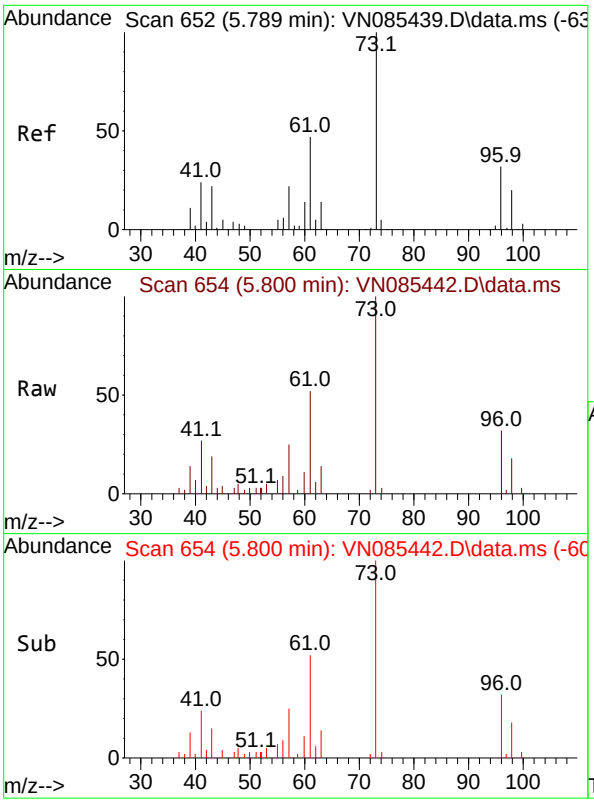


#18
Methyl Acetate
Concen: 5.106 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 43 Resp: 15106

Ion	Ratio	Lower	Upper
43	100		
74	22.0	18.6	28.0



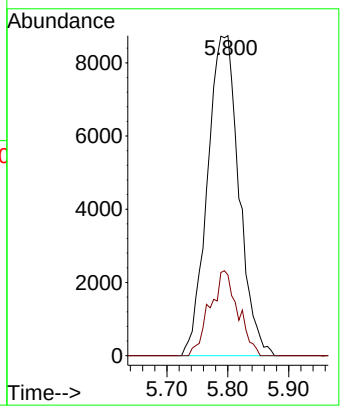


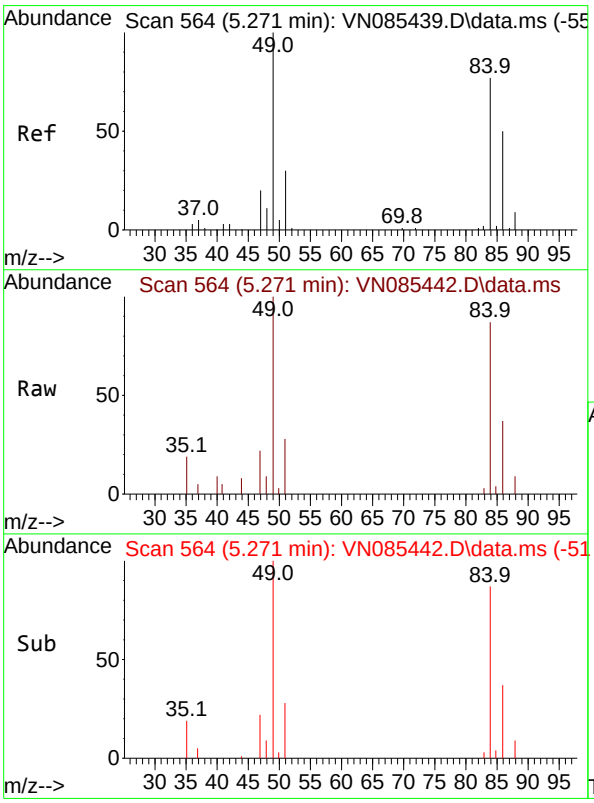
#19
Methyl tert-butyl Ether
Concen: 4.836 ug/l
RT: 5.800 min Scan# 6
Delta R.T. 0.012 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 73 Resp: 31439

Ion	Ratio	Lower	Upper
73	100		
57	25.2	17.8	26.8

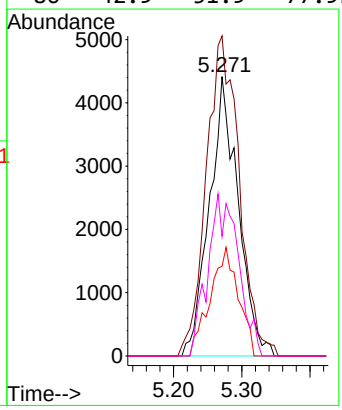


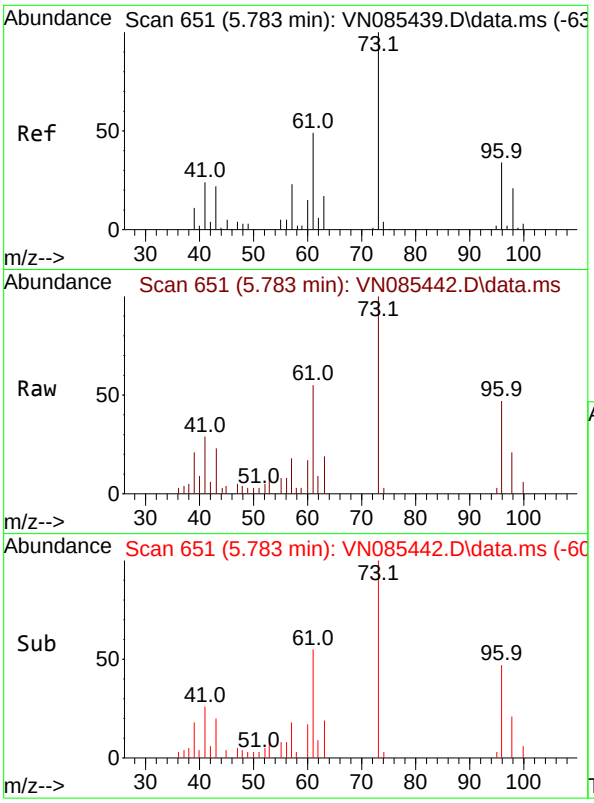


#20
Methylene Chloride
Concen: 5.389 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 84 Resp: 12981

Ion	Ratio	Lower	Upper
84	100		
49	114.5	104.1	156.1
51	32.1	31.0	46.4
86	42.9	51.9	77.9#



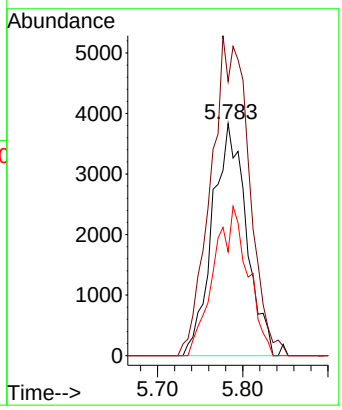


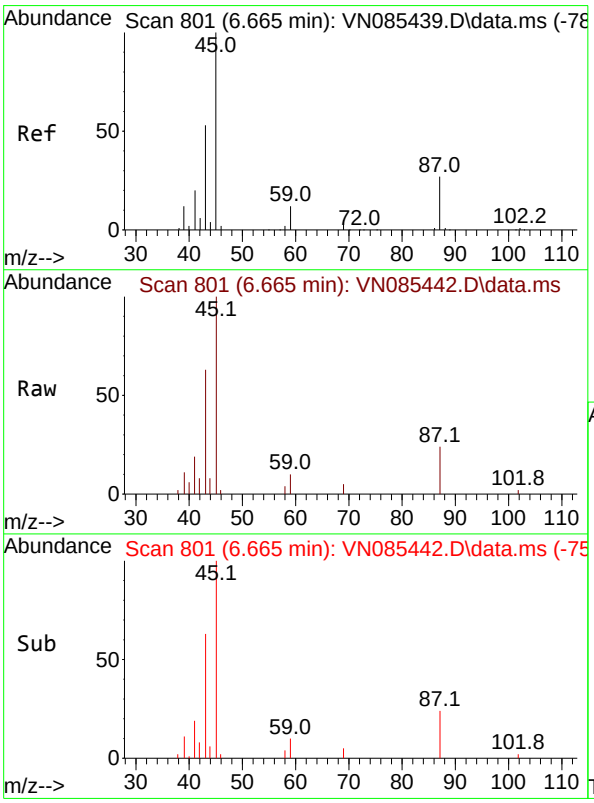
#21
trans-1,2-Dichloroethene
Concen: 4.960 ug/l
RT: 5.783 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 10614

Ion	Ratio	Lower	Upper
96	100		
61	118.1	115.7	173.5
98	44.7	49.8	74.8#

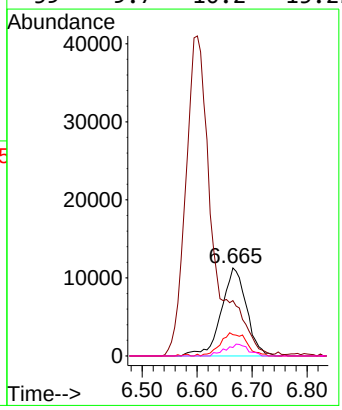


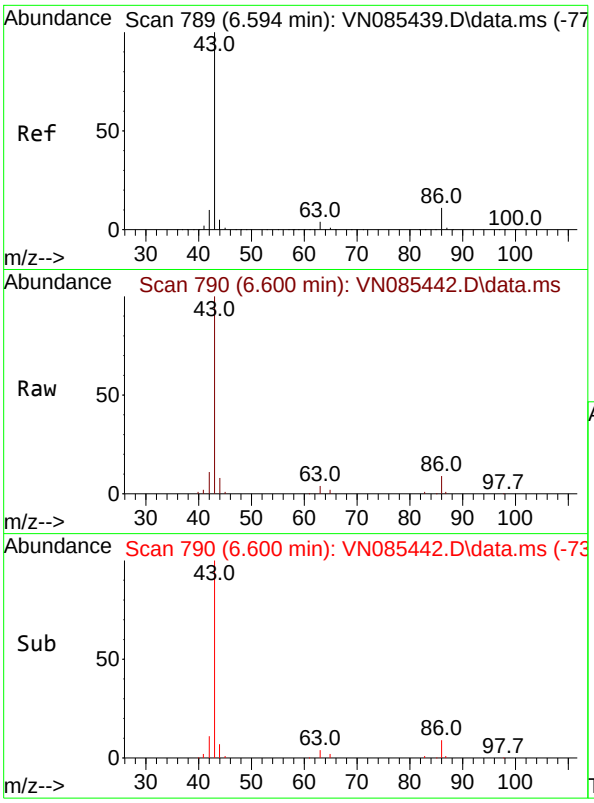


#22
Diisopropyl ether
Concen: 4.962 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 45 Resp: 35785

Ion	Ratio	Lower	Upper
45	100		
43	58.3	45.0	67.6
87	24.2	21.8	32.8
59	9.7	10.2	15.2#



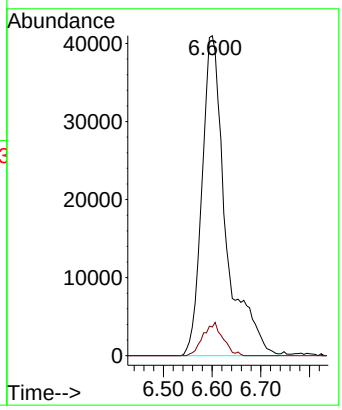


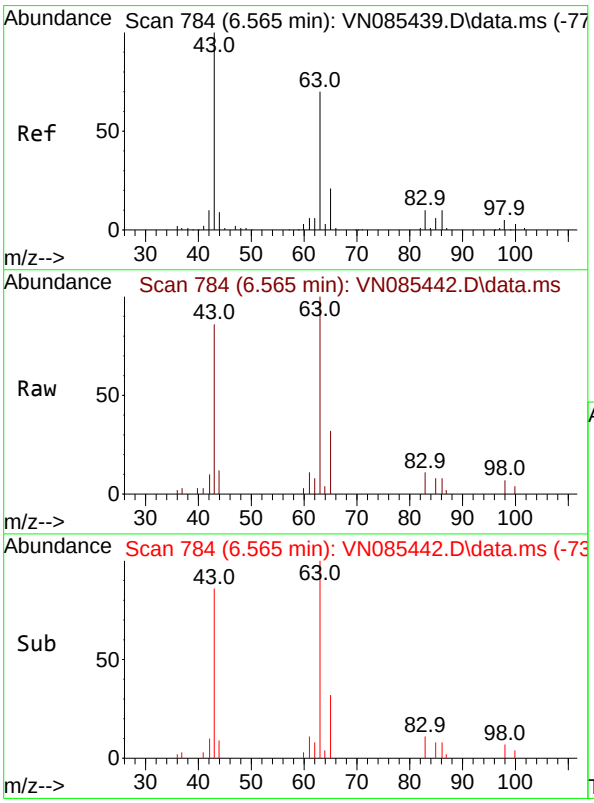
#23
Vinyl Acetate
Concen: 27.533 ug/l
RT: 6.600 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 139425

Ion	Ratio	Lower	Upper
43	100		
86	9.0	8.4	12.6

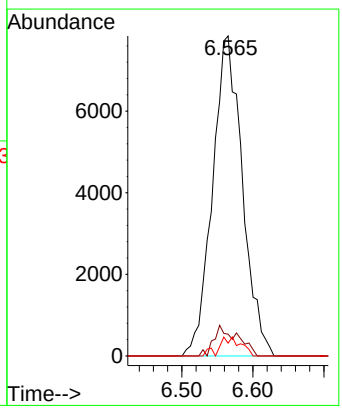


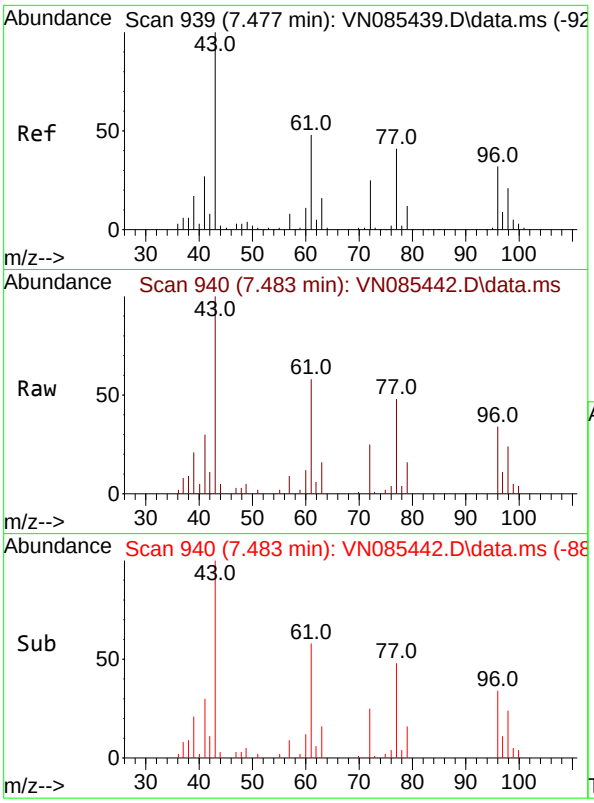


#24
1,1-Dichloroethane
Concen: 5.200 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 63 Resp: 22865

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.3	9.8
100	4.0	2.0	6.0



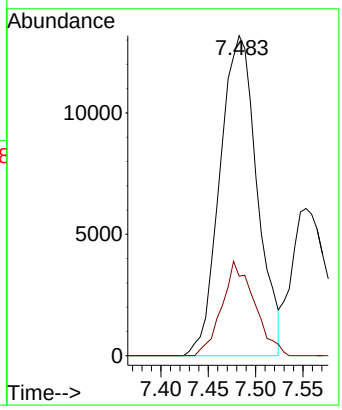


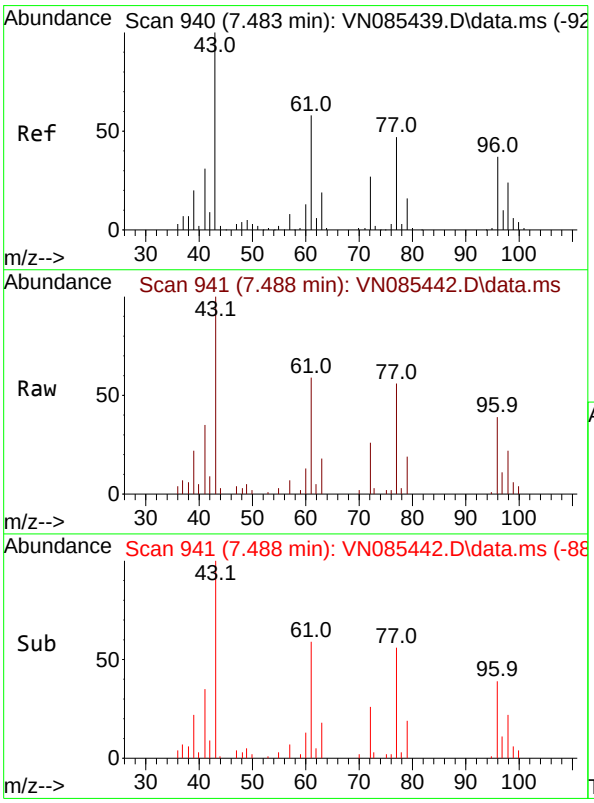
#25
2-Butanone
Concen: 25.231 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 36127

Ion	Ratio	Lower	Upper
43	100		
72	24.9	20.2	30.4

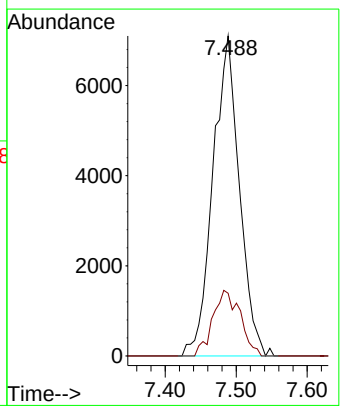


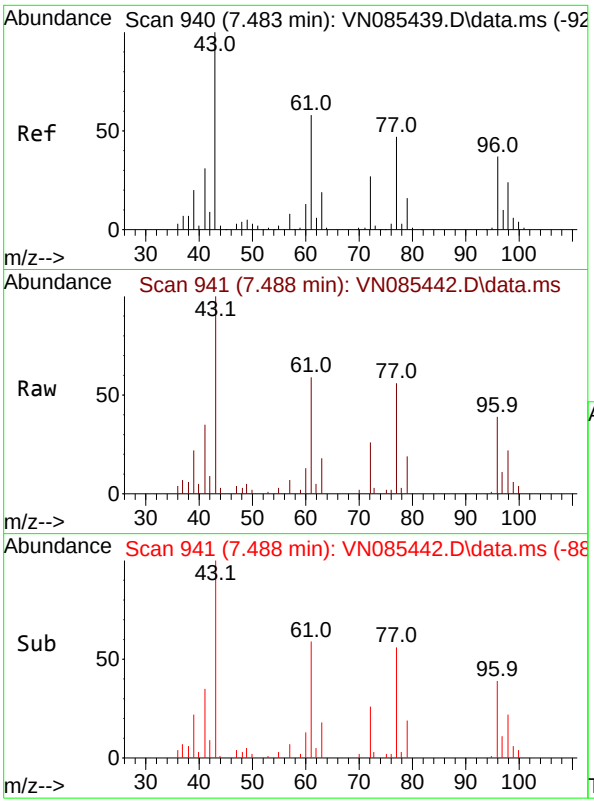


#26
2,2-Dichloropropane
Concen: 5.175 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 77 Resp: 18398

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.7	32.1



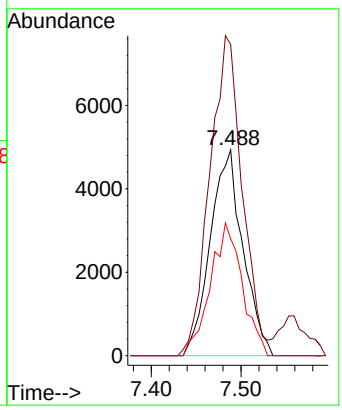


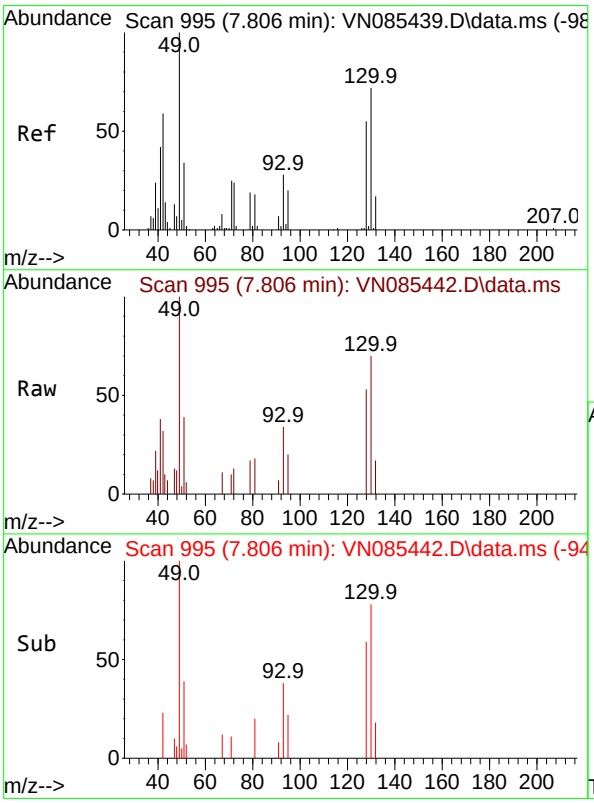
#27
cis-1,2-Dichloroethene
Concen: 4.951 ug/l
RT: 7.488 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 12477

Ion	Ratio	Lower	Upper
96	100		
61	154.5	0.0	311.8
98	62.8	0.0	126.0

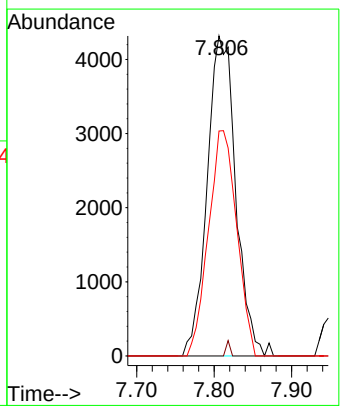


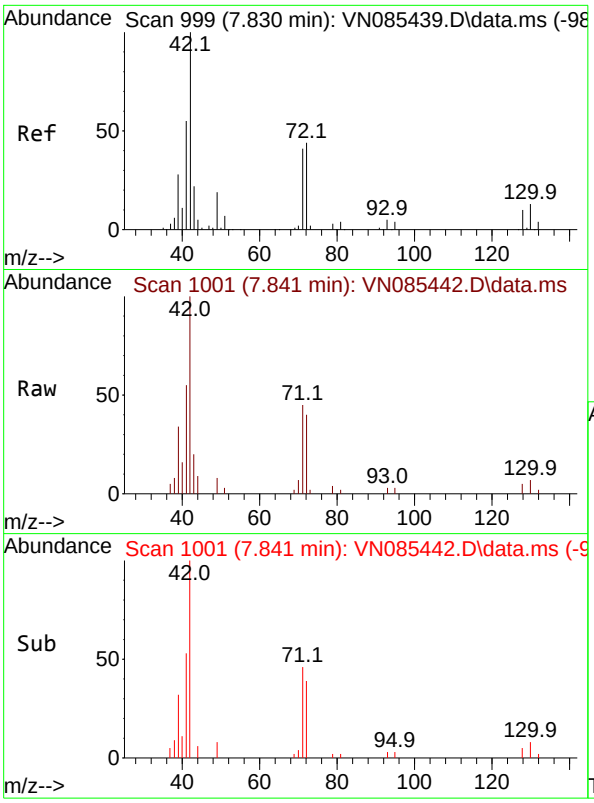


#28
Bromochloromethane
Concen: 5.424 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 49 Resp: 11096

Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	4.4
130	69.5	55.0	82.4



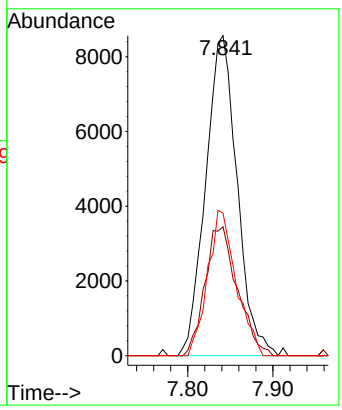


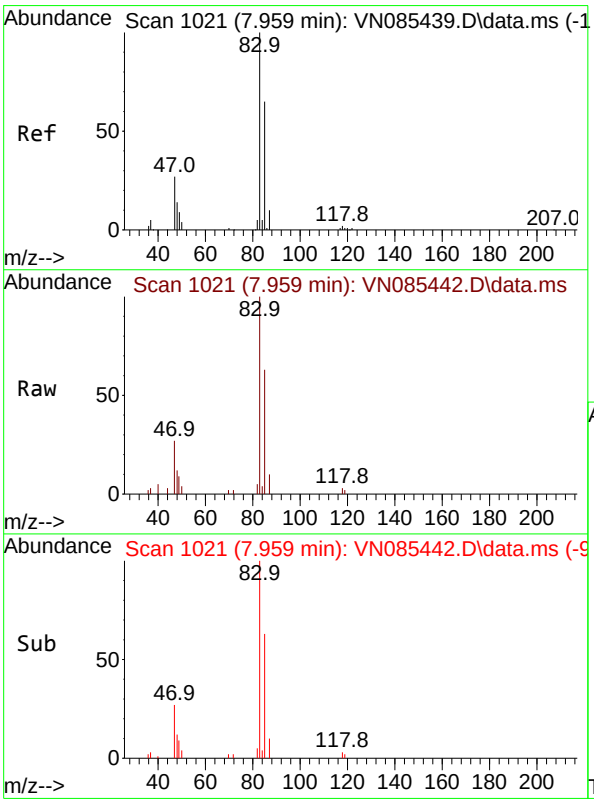
#29
Tetrahydrofuran
Concen: 24.215 ug/l
RT: 7.841 min Scan# 1
Delta R.T. 0.012 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 42 Resp: 21983

Ion	Ratio	Lower	Upper
42	100		
72	41.5	34.2	51.2
71	41.0	32.5	48.7

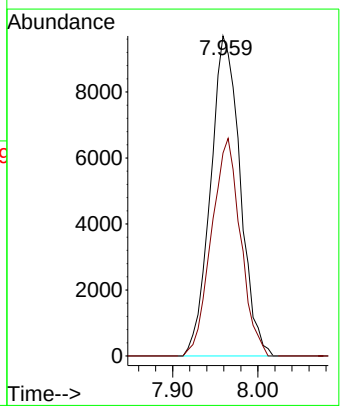


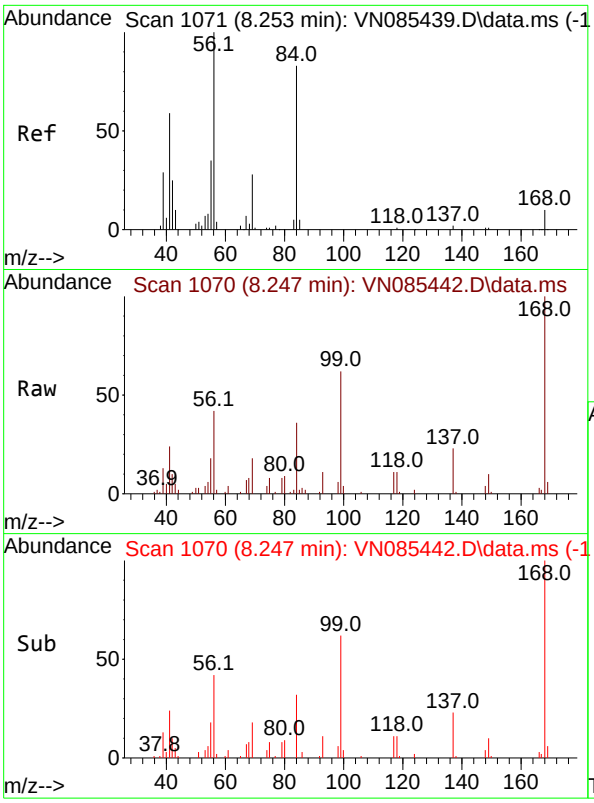


#30
Chloroform
Concen: 5.146 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 83 Resp: 23384

Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.8	77.6



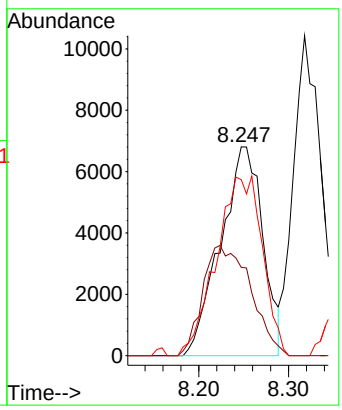


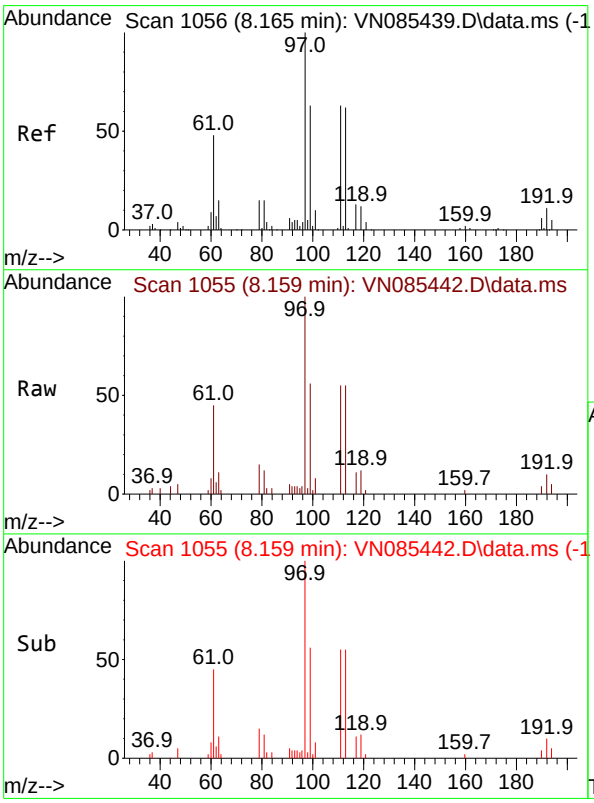
#31
Cyclohexane
Concen: 5.846 ug/l
RT: 8.247 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 22343

Ion	Ratio	Lower	Upper
56	100		
69	42.3	22.2	33.4#
84	84.3	66.4	99.6

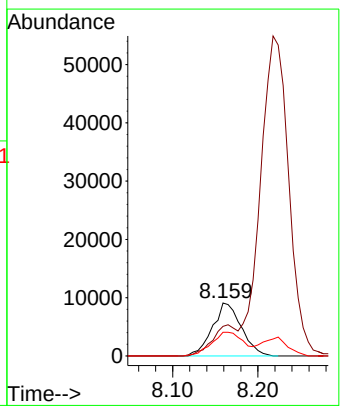


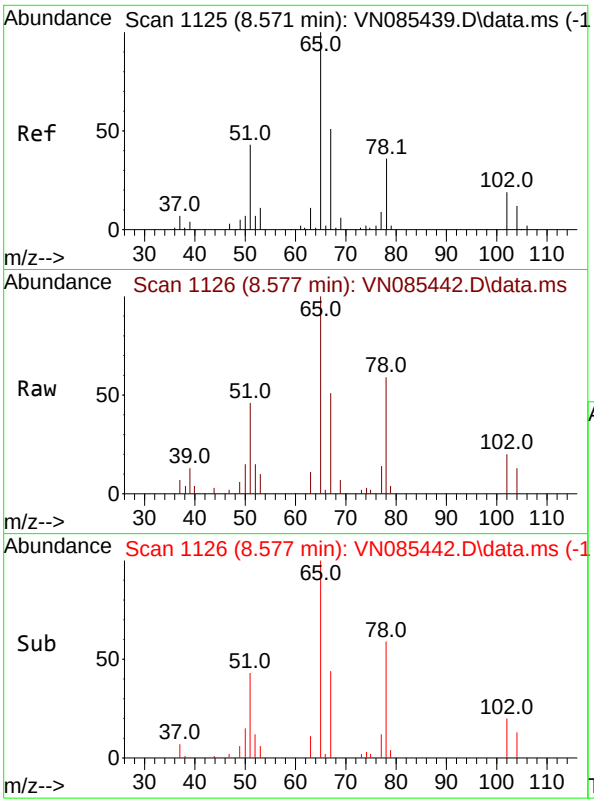


#32
1,1,1-Trichloroethane
Concen: 5.372 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 97 Resp: 21416

Ion	Ratio	Lower	Upper
97	100		
99	50.5	49.8	74.6
61	50.1	41.4	62.2



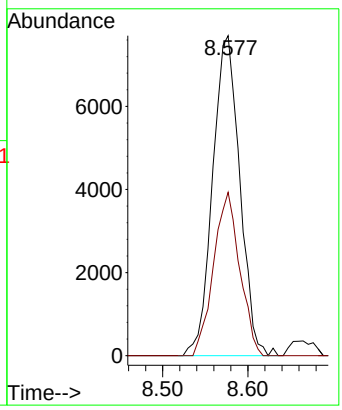


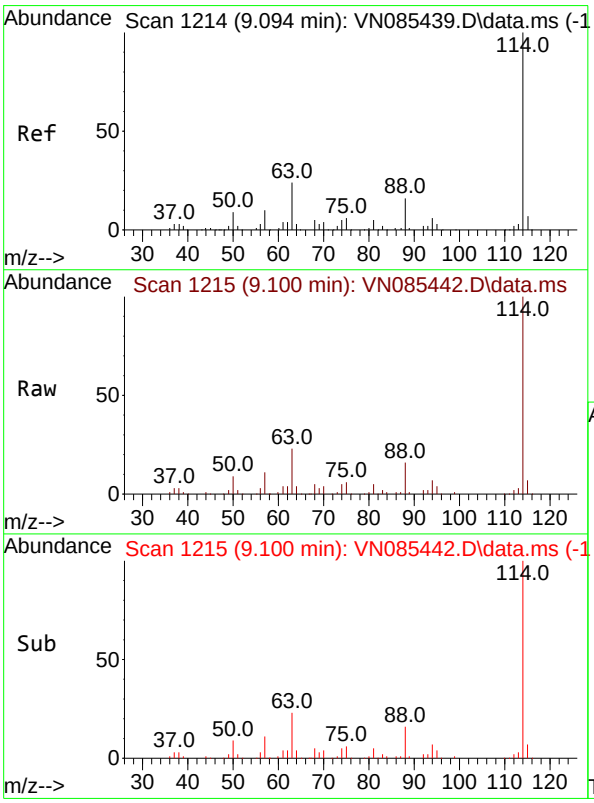
#33
1,2-Dichloroethane-d4
Concen: 5.660 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 65 Resp: 17046

Ion	Ratio	Lower	Upper
65	100		
67	49.2	0.0	101.6

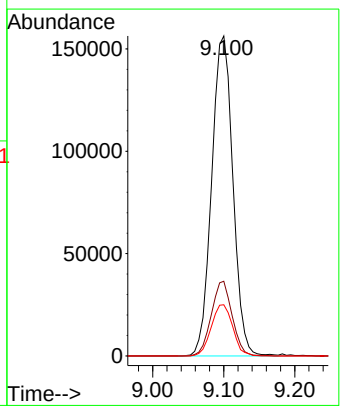


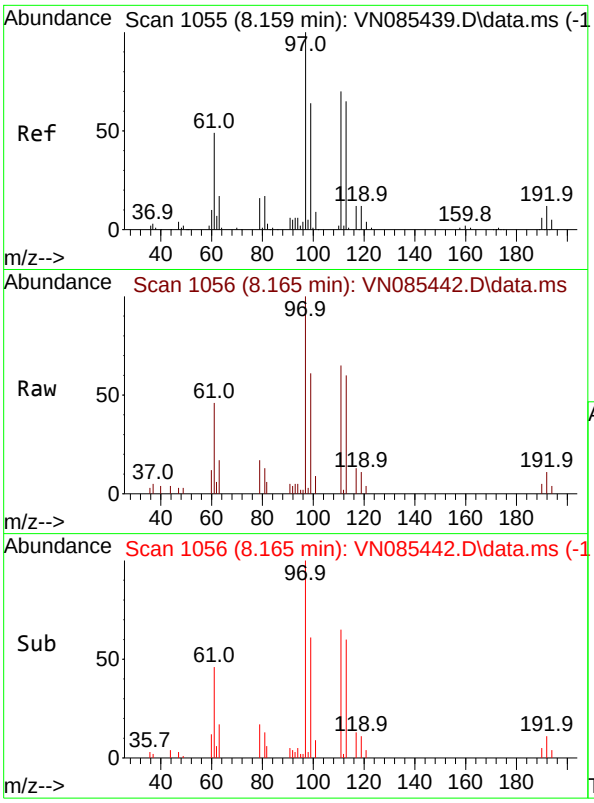


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion:114 Resp: 324413

Ion	Ratio	Lower	Upper
114	100		
63	23.3	0.0	47.6
88	16.0	0.0	32.6



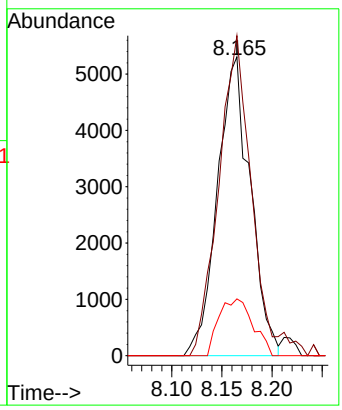


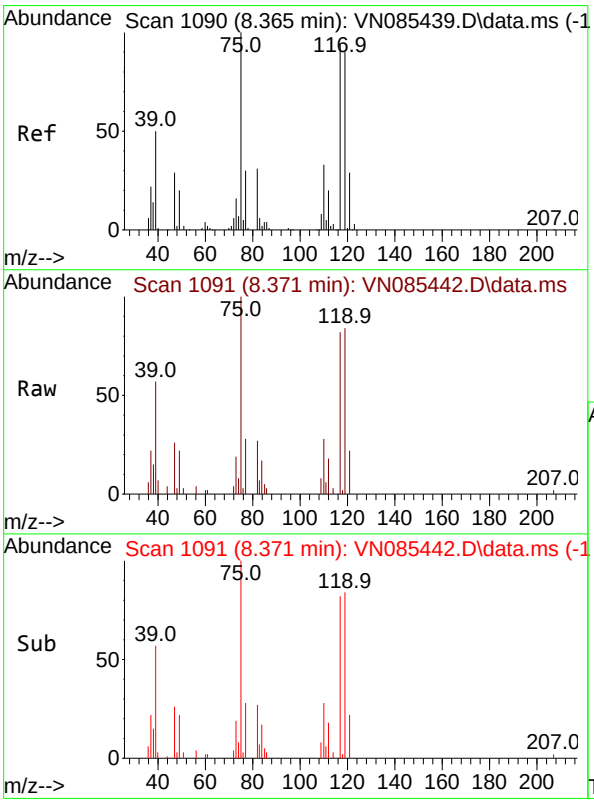
#35
Dibromofluoromethane
Concen: 5.377 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:113 Resp: 12102

Ion	Ratio	Lower	Upper
113	100		
111	107.4	82.7	124.1
192	19.7	14.3	21.5

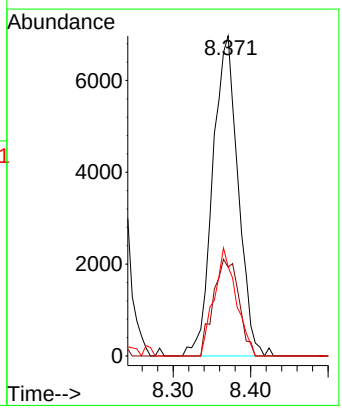


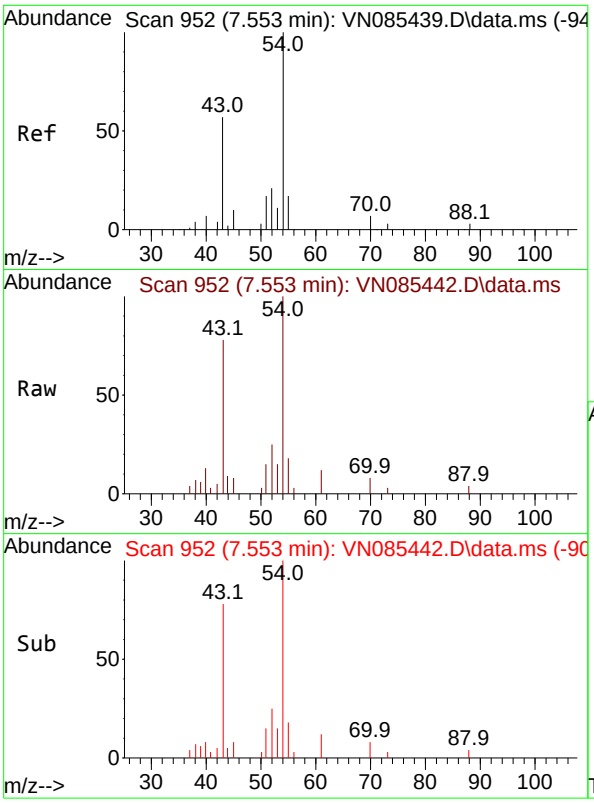


#36
1,1-Dichloropropene
Concen: 5.029 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 75 Resp: 15886

Ion	Ratio	Lower	Upper
75	100		
110	30.3	16.5	49.5
77	29.2	24.4	36.6



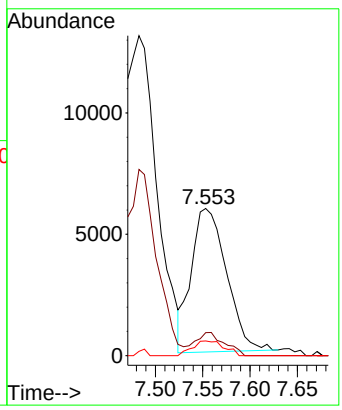


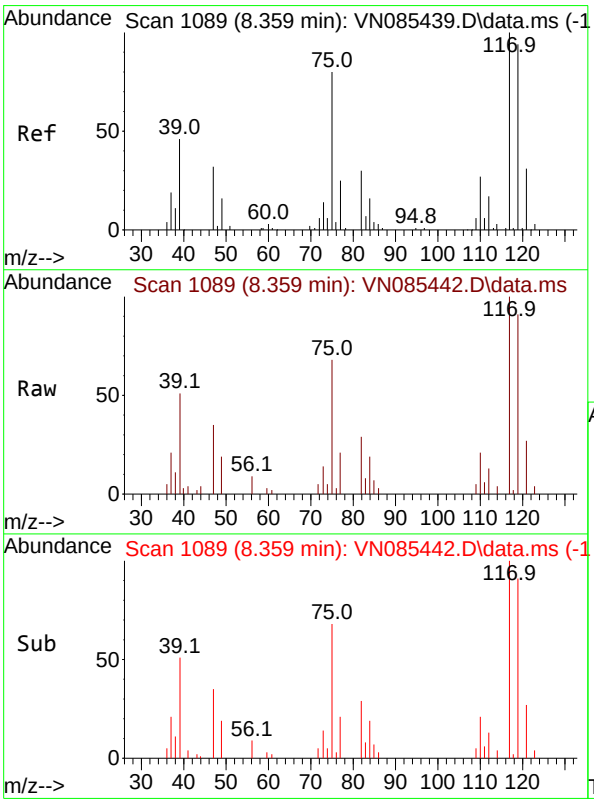
#37
Ethyl Acetate
Concen: 4.810 ug/l
RT: 7.553 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 15336

Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.9	16.3
70	9.2	7.5	11.3

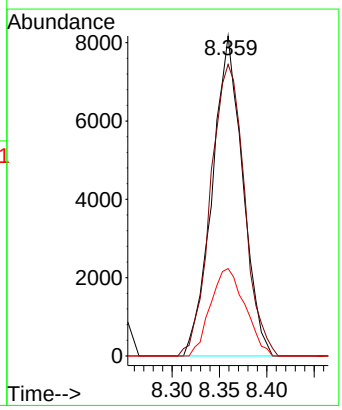


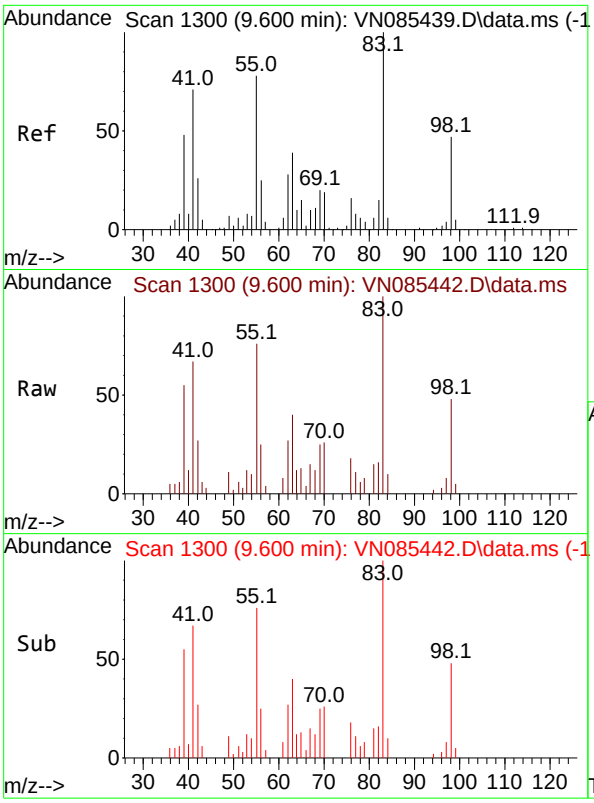


#38
Carbon Tetrachloride
Concen: 5.065 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion:117 Resp: 18317

Ion	Ratio	Lower	Upper
117	100		
119	91.1	75.4	113.2
121	27.3	24.6	37.0



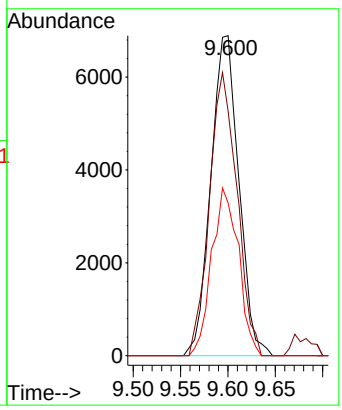


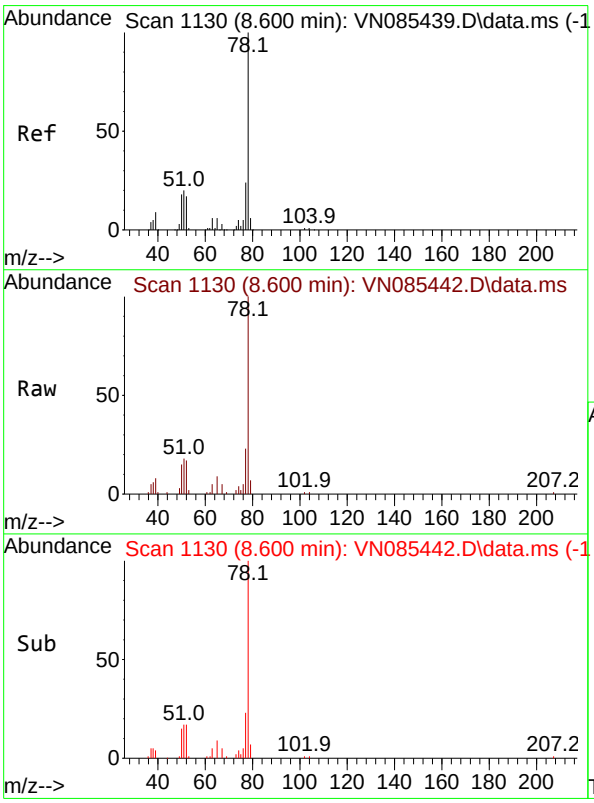
#39
Methylcyclohexane
Concen: 4.776 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 14175

Ion	Ratio	Lower	Upper
83	100		
55	76.5	62.6	94.0
98	47.7	37.7	56.5

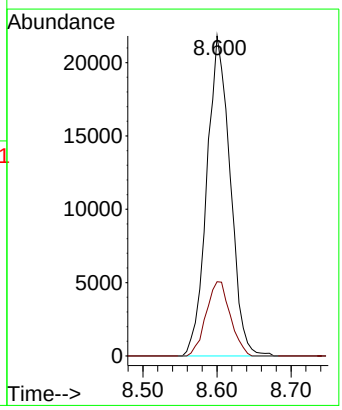


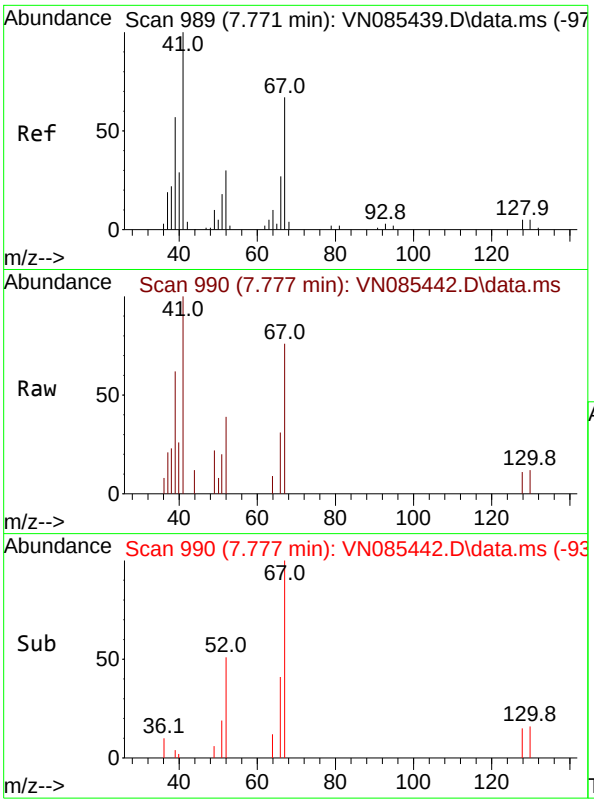


#40
Benzene
Concen: 5.040 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 78 Resp: 47833

Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.0	28.6



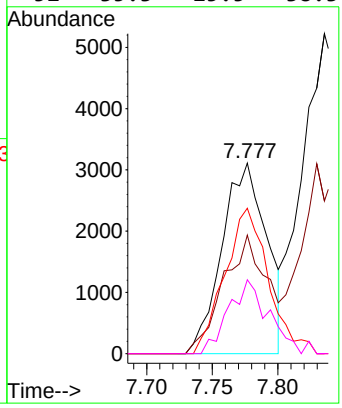


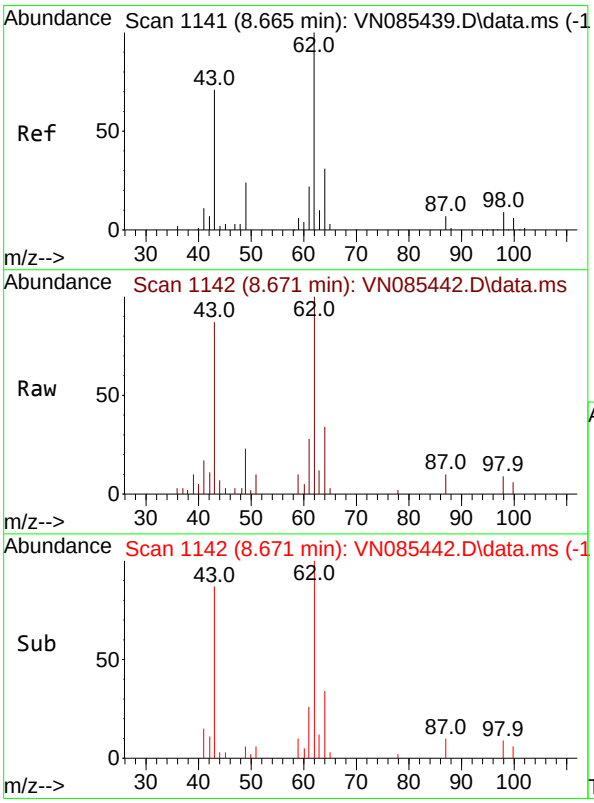
#41
Methacrylonitrile
Concen: 4.449 ug/l
RT: 7.777 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 41 Resp: 7380

Ion	Ratio	Lower	Upper
41	100		
39	60.5	46.0	69.0
67	74.6	57.4	86.2
52	35.3	25.5	38.3

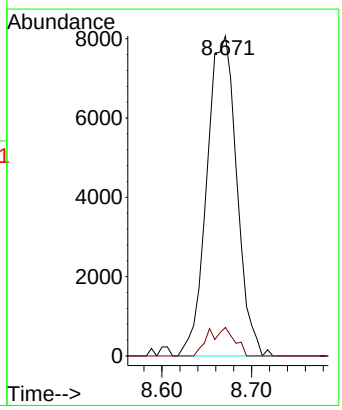


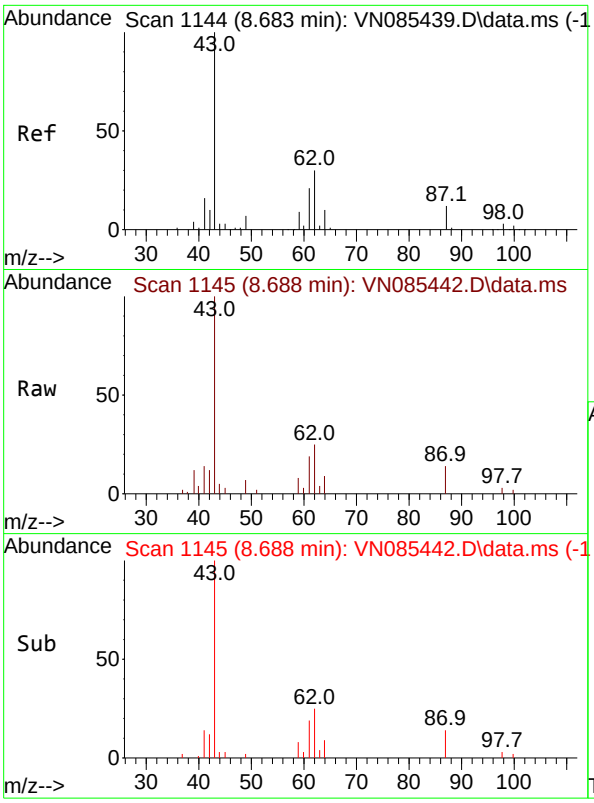


#42
1,2-Dichloroethane
Concen: 5.211 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 62 Resp: 18628

Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	17.0



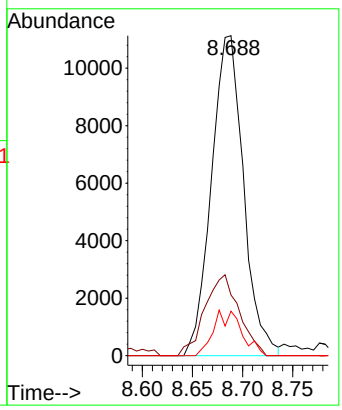


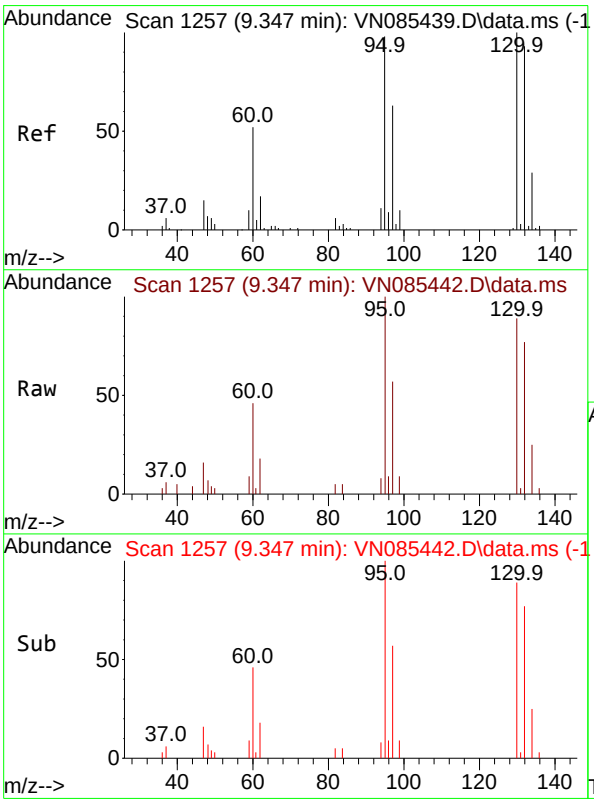
#43
Isopropyl Acetate
Concen: 4.853 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 24792

Ion	Ratio	Lower	Upper
43	100		
61	27.0	20.7	31.1
87	12.3	9.8	14.8

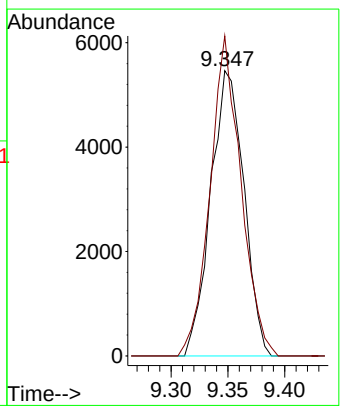


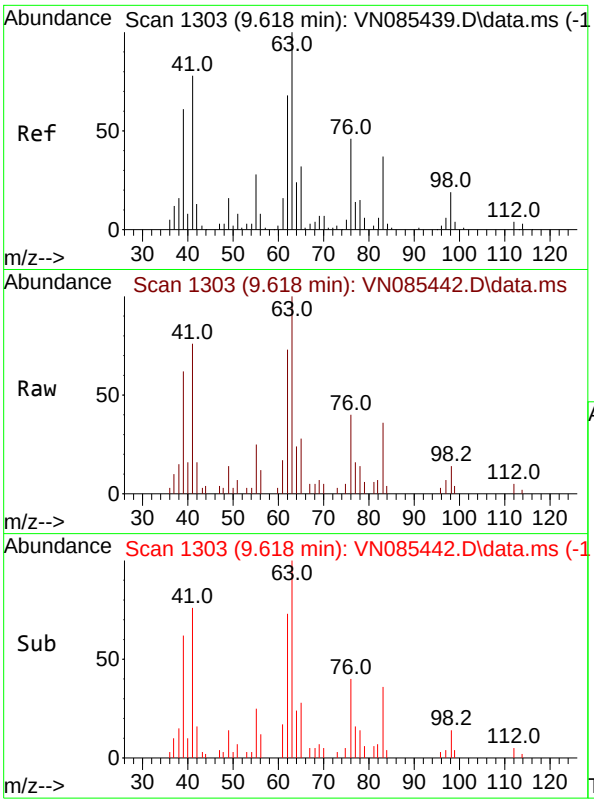


#44
Trichloroethene
Concen: 5.039 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion:130 Resp: 11133

Ion	Ratio	Lower	Upper
130	100		
95	112.2	0.0	195.8



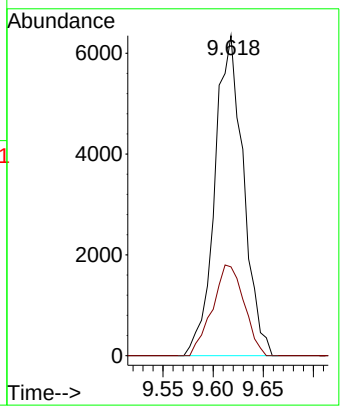


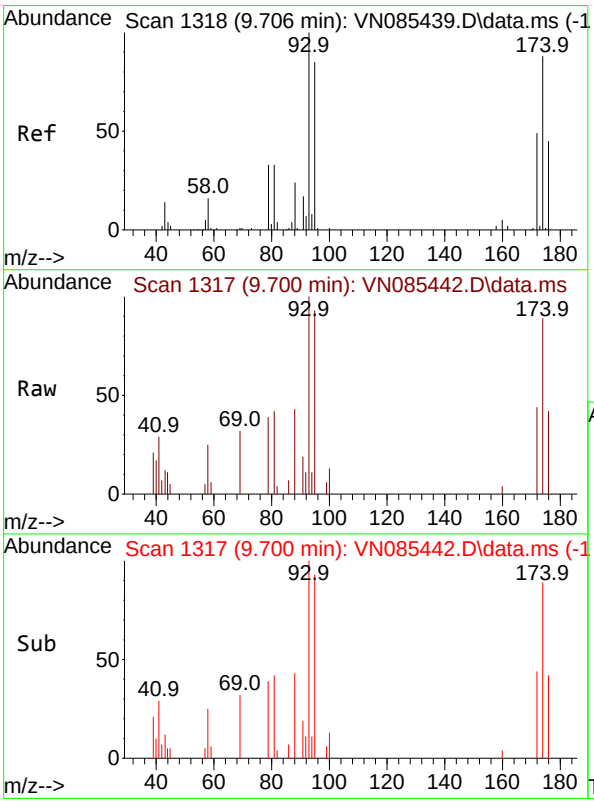
#45
1,2-Dichloropropane
Concen: 5.194 ug/l
RT: 9.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 12591

Ion	Ratio	Lower	Upper
63	100		
65	27.8	25.6	38.4

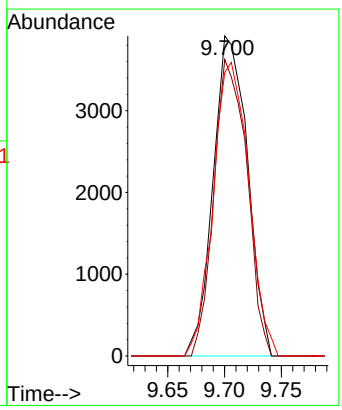


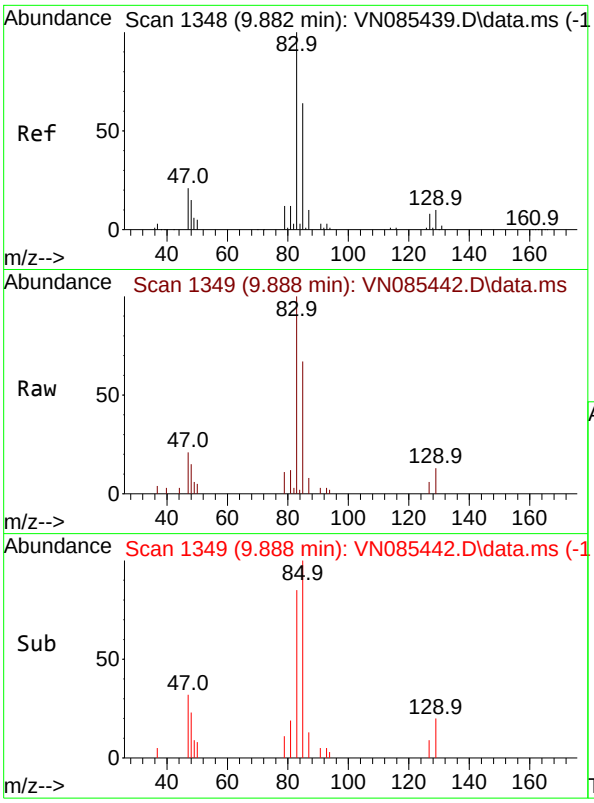


#46
Dibromomethane
Concen: 4.705 ug/l
RT: 9.700 min Scan# 1317
Delta R.T. -0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 93 Resp: 8230

Ion	Ratio	Lower	Upper
93	100		
95	88.7	64.7	97.1
174	95.0	69.0	103.4



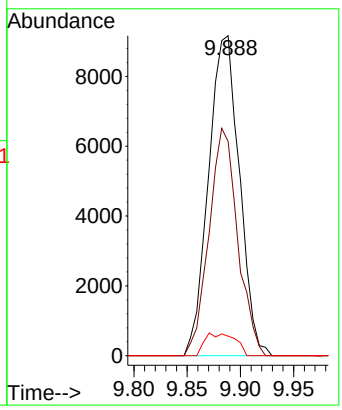


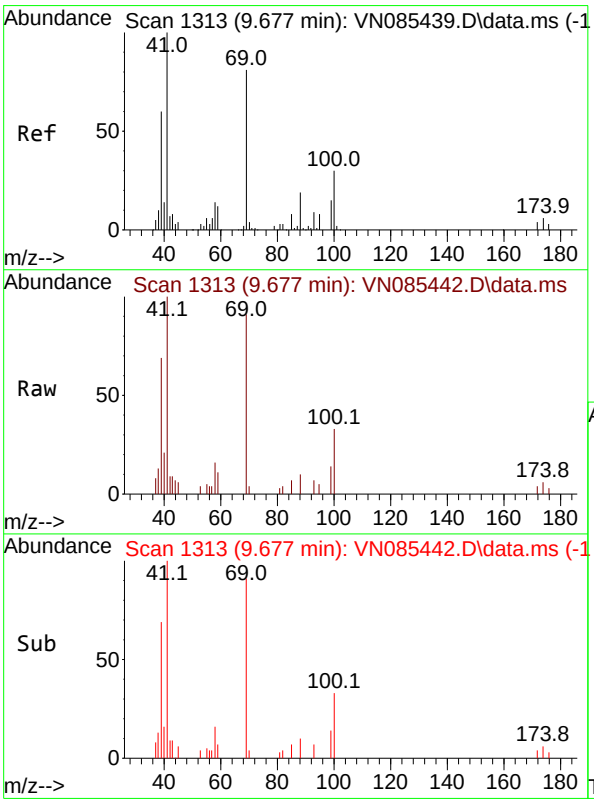
#47
Bromodichloromethane
Concen: 5.179 ug/l
RT: 9.888 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 18456

Ion	Ratio	Lower	Upper
83	100		
85	67.0	51.2	76.8
127	6.1	6.5	9.7#

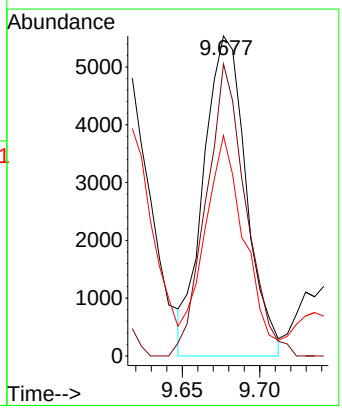


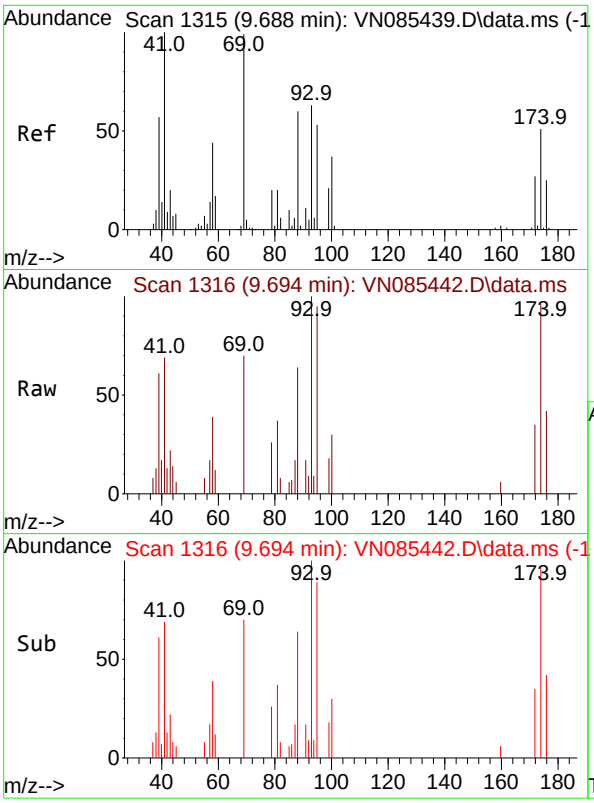


#48
Methyl methacrylate
Concen: 4.599 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 41 Resp: 10574

Ion	Ratio	Lower	Upper
41	100		
69	84.9	64.7	97.1
39	65.3	49.0	73.6



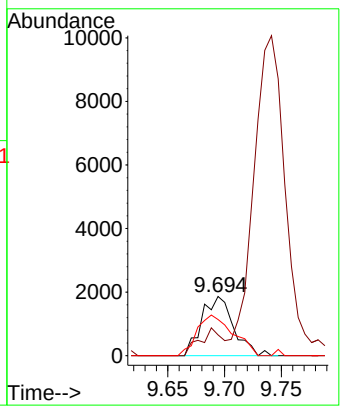


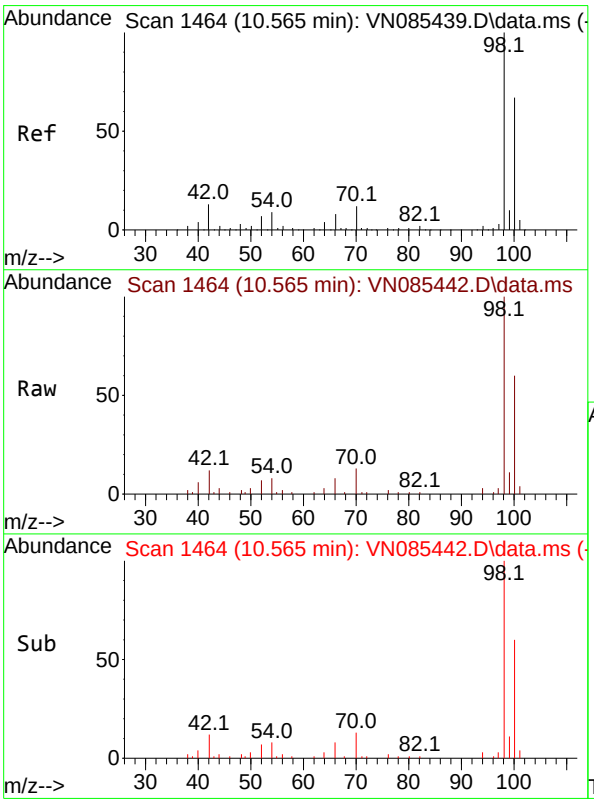
#49
1,4-Dioxane
Concen: 93.477 ug/l
RT: 9.694 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 88 Resp: 3619

Ion	Ratio	Lower	Upper
88	100		
43	32.3	26.6	39.8
58	77.9	59.5	89.3

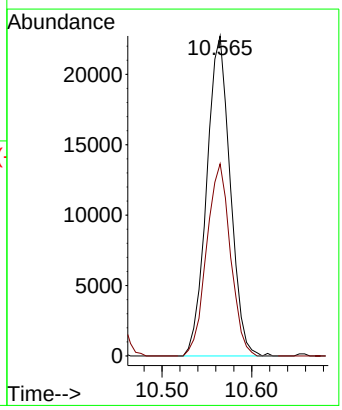


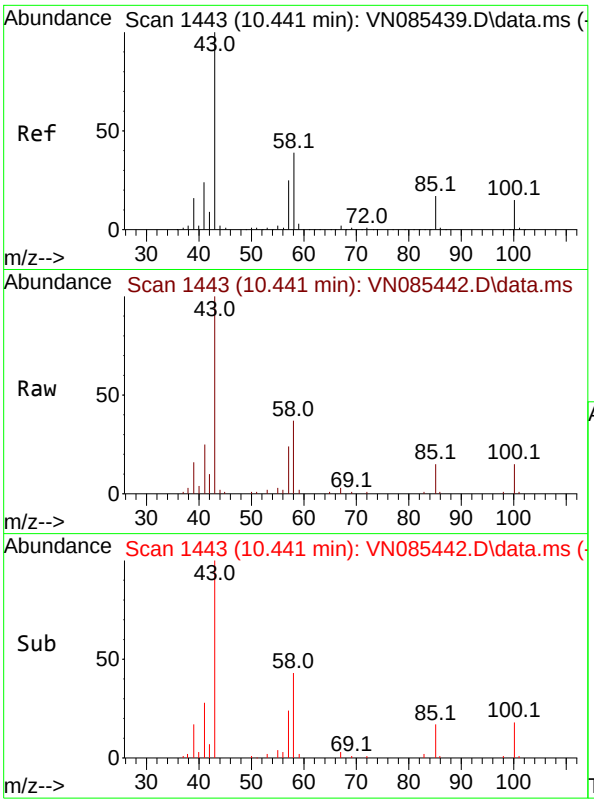


#50
Toluene-d8
Concen: 5.168 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 98 Resp: 41328

Ion	Ratio	Lower	Upper
98	100		
100	60.9	52.2	78.4



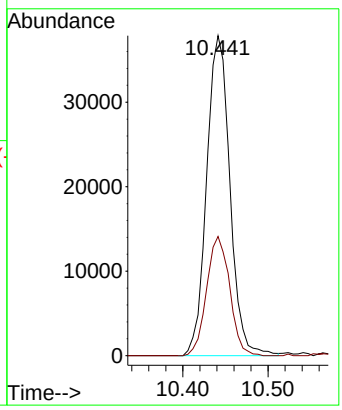


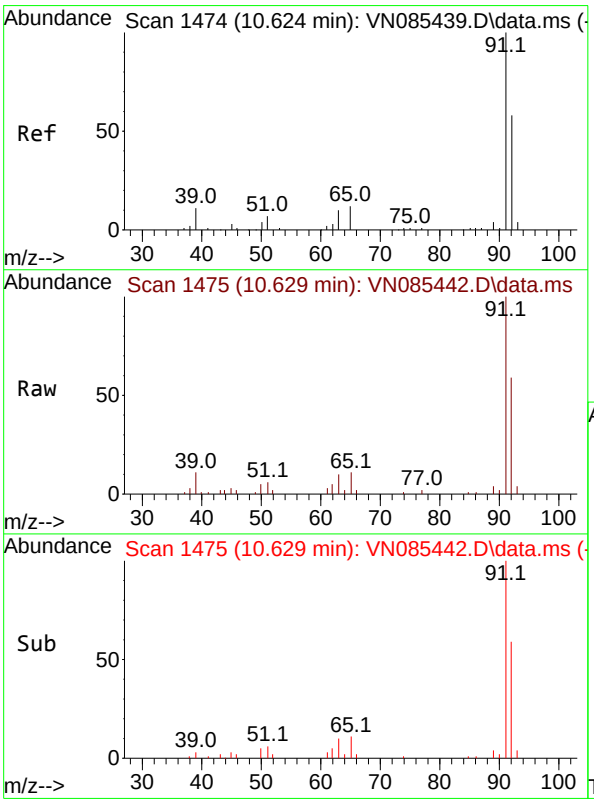
#51
4-Methyl-2-Pentanone
Concen: 24.250 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 71889

Ion	Ratio	Lower	Upper
43	100		
58	36.9	30.5	45.7

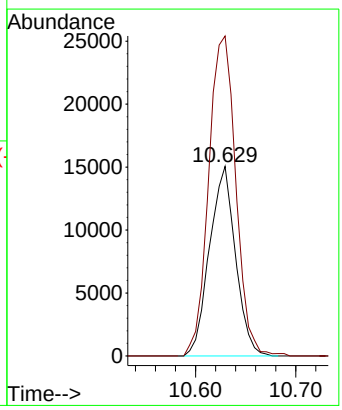


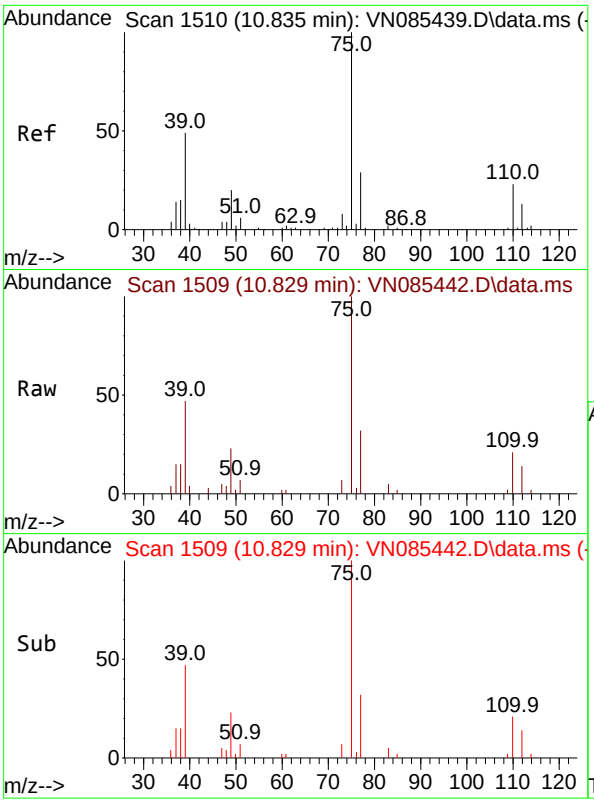


#52
Toluene
Concen: 4.928 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.005 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 92 Resp: 27098

Ion	Ratio	Lower	Upper
92	100		
91	176.4	139.2	208.8



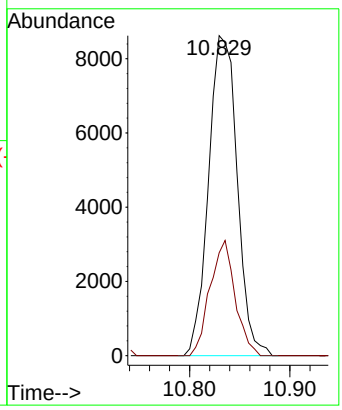


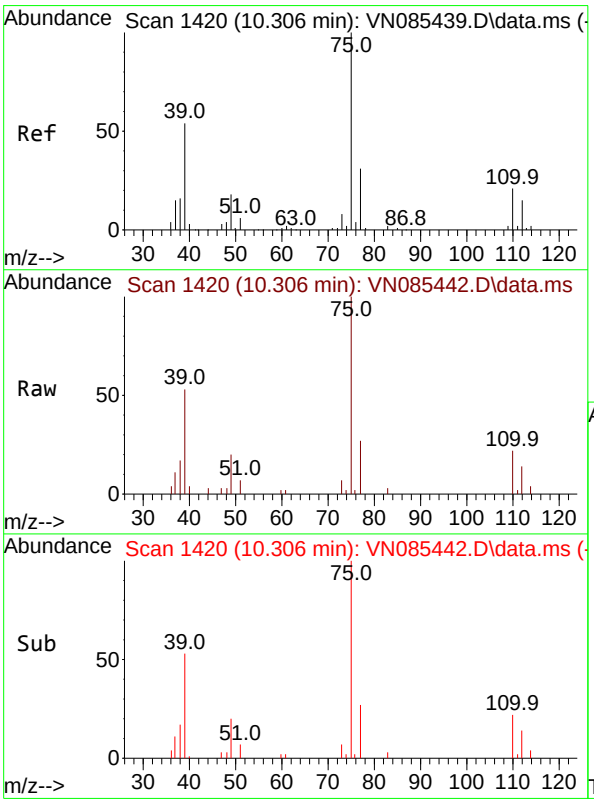
#53
t-1,3-Dichloropropene
Concen: 5.077 ug/l
RT: 10.829 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 17099

Ion	Ratio	Lower	Upper
75	100		
77	32.2	23.5	35.3

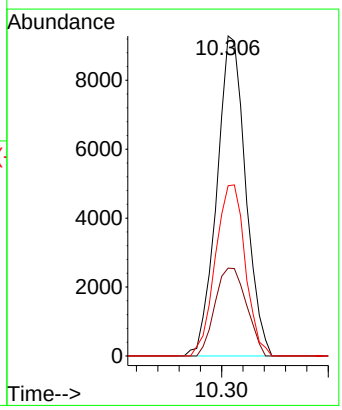


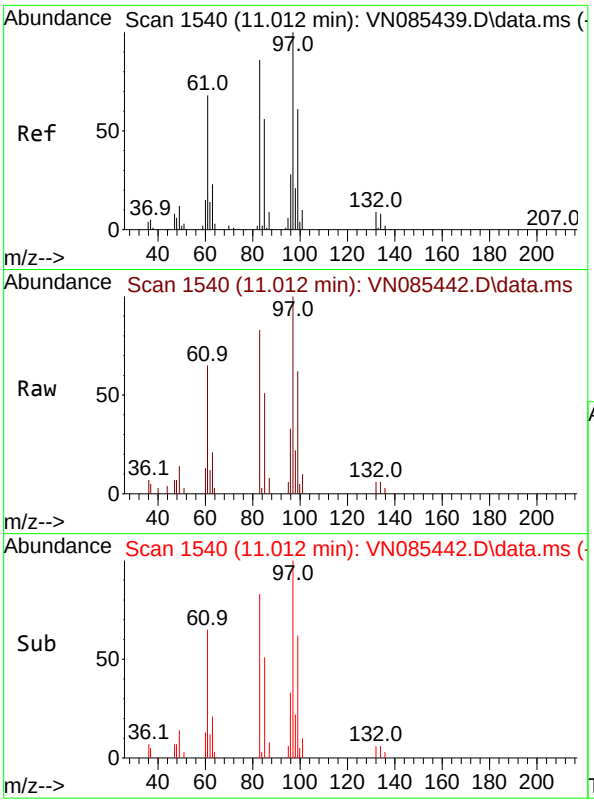


#54
cis-1,3-Dichloropropene
Concen: 4.848 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 75 Resp: 17440

Ion	Ratio	Lower	Upper
75	100		
77	27.5	25.0	37.4
39	53.2	43.1	64.7



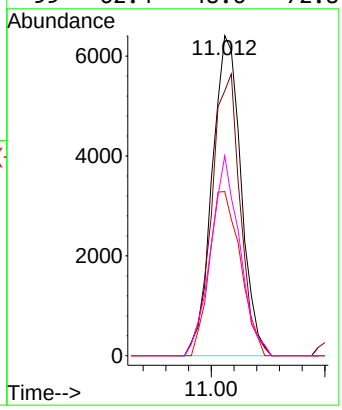


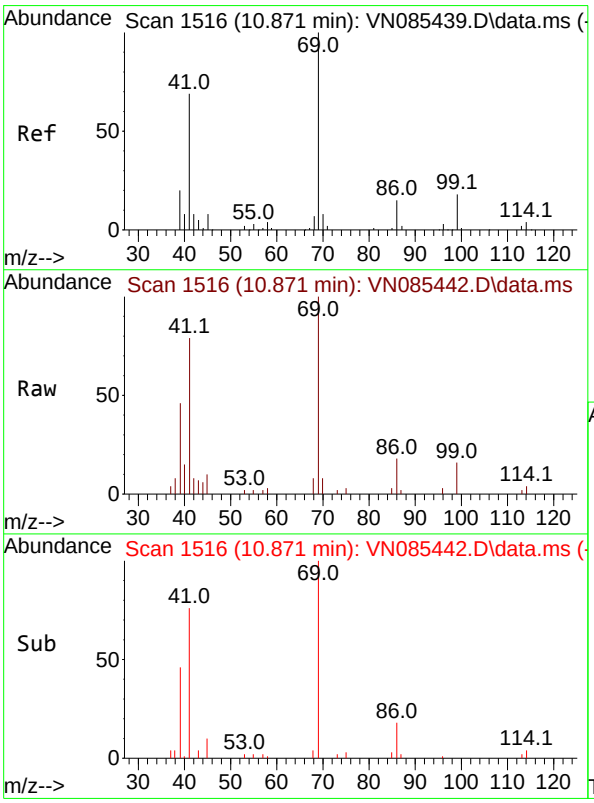
#55
1,1,2-Trichloroethane
Concen: 5.197 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 97 Resp: 11311

Ion	Ratio	Lower	Upper
97	100		
83	82.7	69.0	103.6
85	51.3	44.6	66.8
99	62.4	48.6	72.8

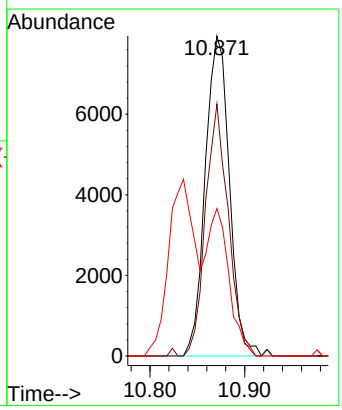


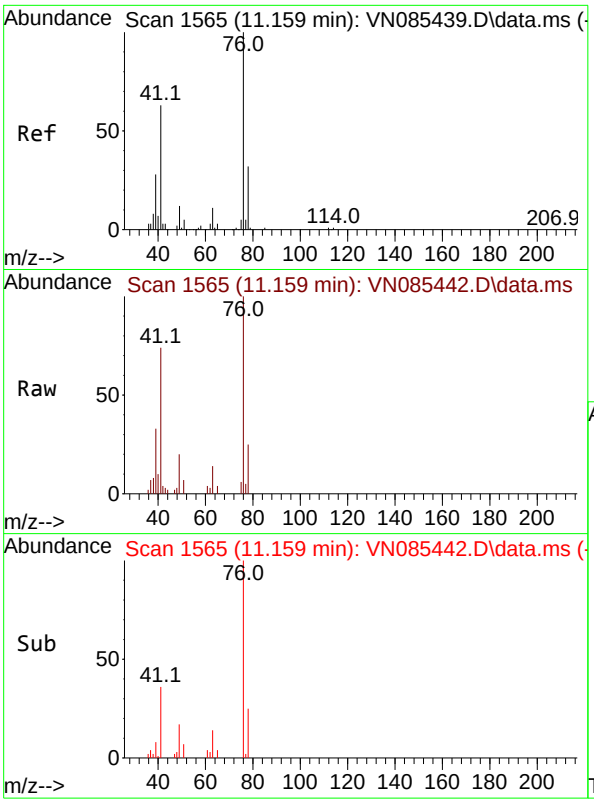


#56
Ethyl methacrylate
Concen: 5.627 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 69 Resp: 14094

Ion	Ratio	Lower	Upper
69	100		
41	73.8	54.6	82.0
39	42.6	32.4	48.6



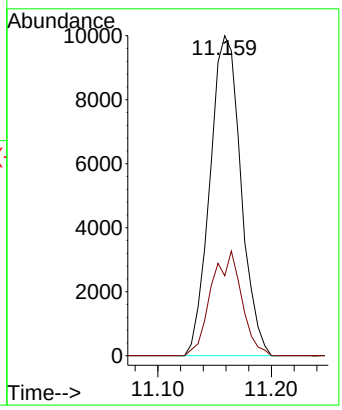


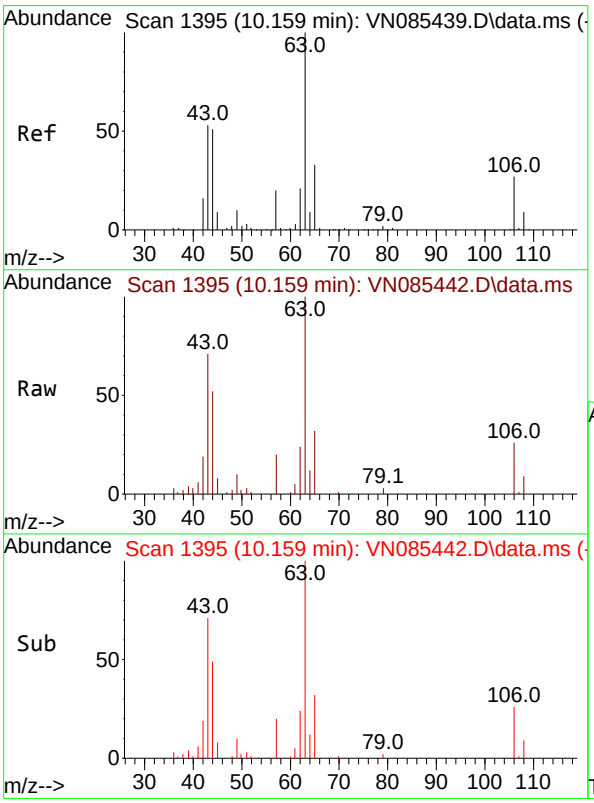
#57
1,3-Dichloropropane
Concen: 5.006 ug/l
RT: 11.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 18945

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.6	38.4

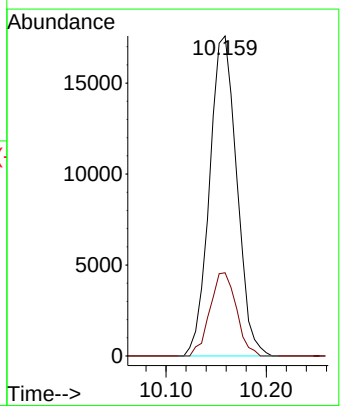


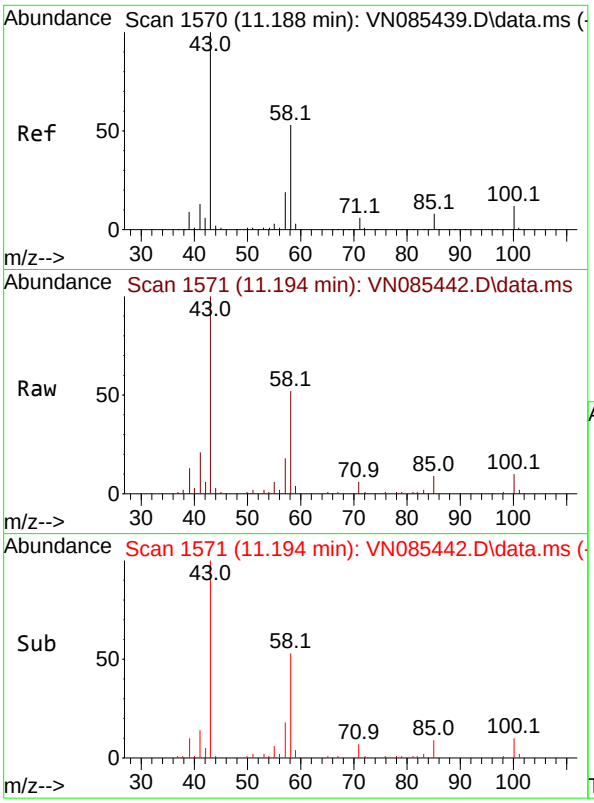


#58
2-Chloroethyl Vinyl ether
Concen: 24.047 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 63 Resp: 33210

Ion	Ratio	Lower	Upper
63	100		
106	25.2	21.6	32.4



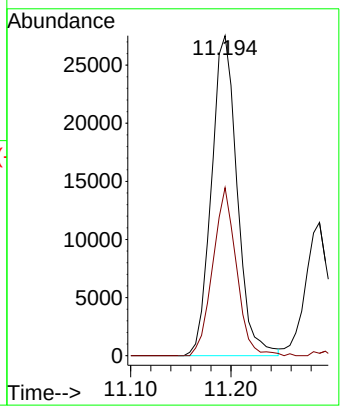


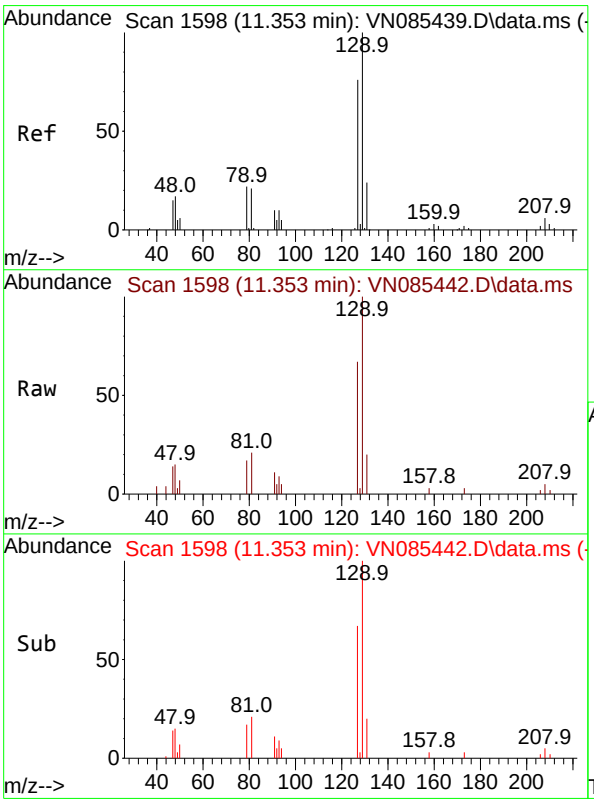
#59
2-Hexanone
Concen: 23.501 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 49021

Ion	Ratio	Lower	Upper
43	100		
58	48.3	26.2	78.6

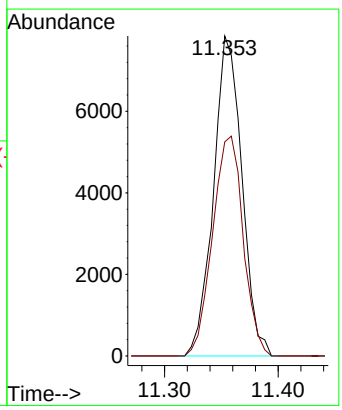


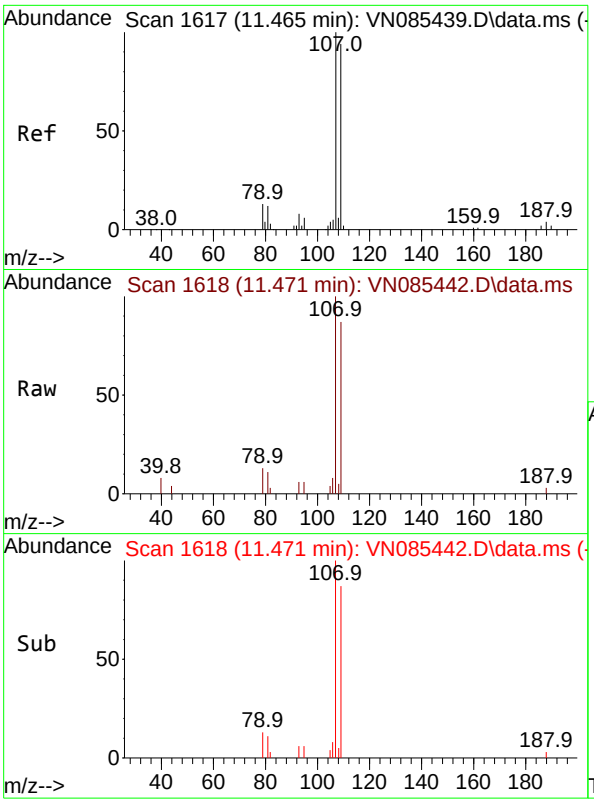


#60
Dibromochloromethane
Concen: 5.190 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion:129 Resp: 13635

Ion	Ratio	Lower	Upper
129	100		
127	73.9	38.6	115.8



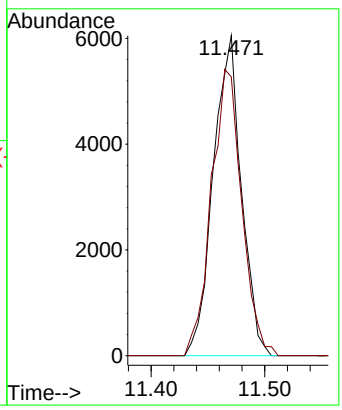


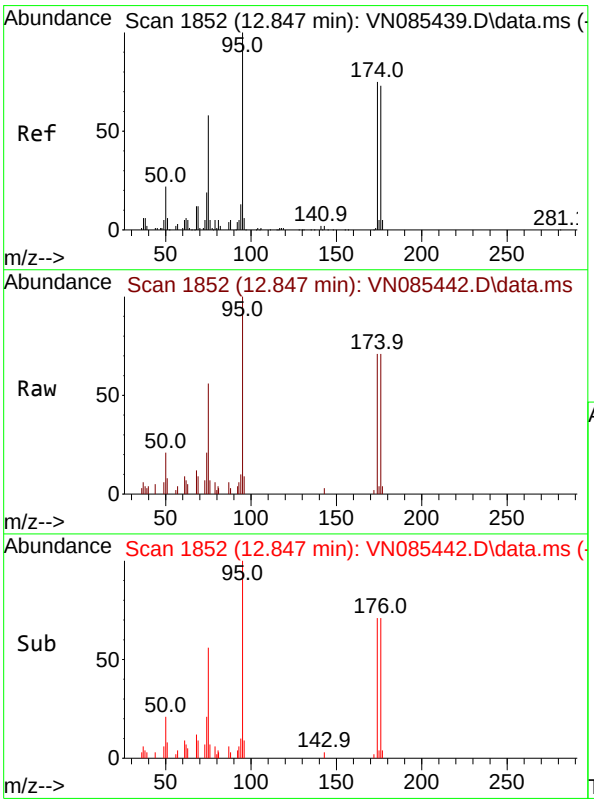
#61
1,2-Dibromoethane
Concen: 4.810 ug/l
RT: 11.471 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:107 Resp: 10419

Ion	Ratio	Lower	Upper
107	100		
109	96.8	75.9	113.9

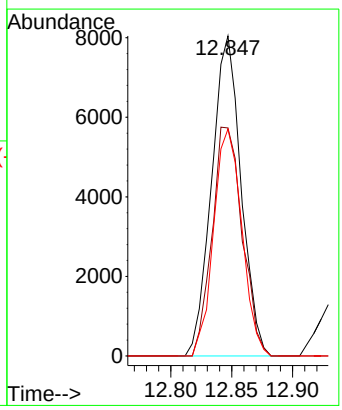


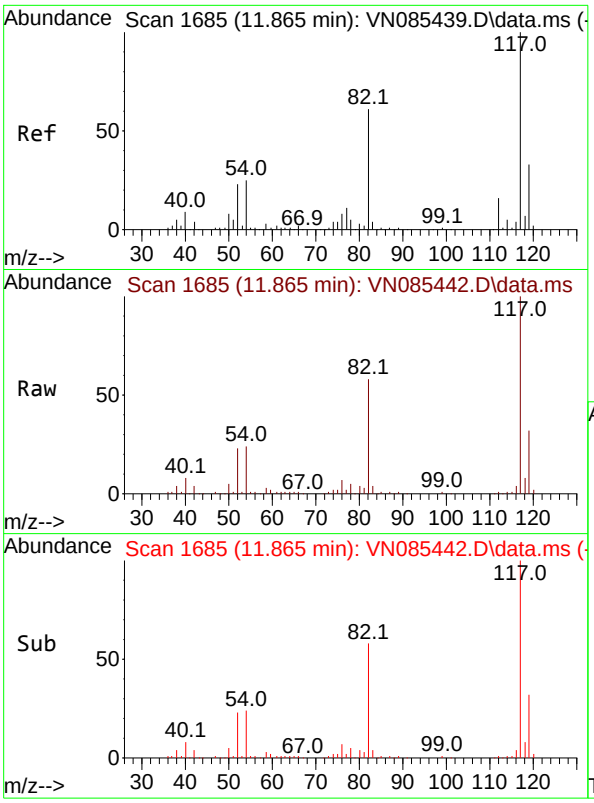


#62
4-Bromofluorobenzene
Concen: 4.943 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 95 Resp: 13520

Ion	Ratio	Lower	Upper
95	100		
174	73.2	0.0	145.0
176	68.0	0.0	142.4



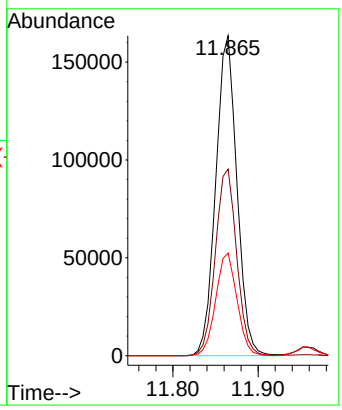


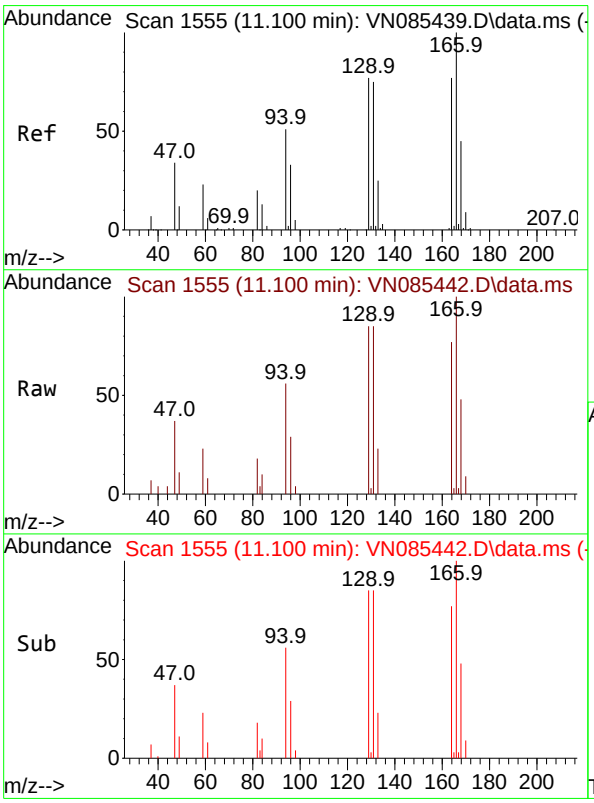
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:117 Resp: 282203

Ion	Ratio	Lower	Upper
117	100		
82	58.3	48.6	72.8
119	32.1	26.6	39.8

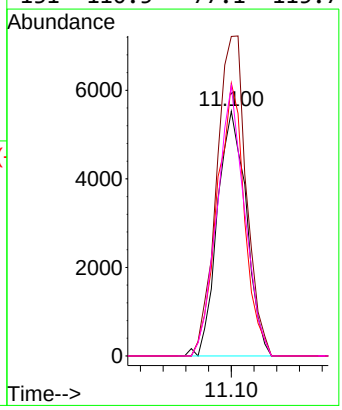


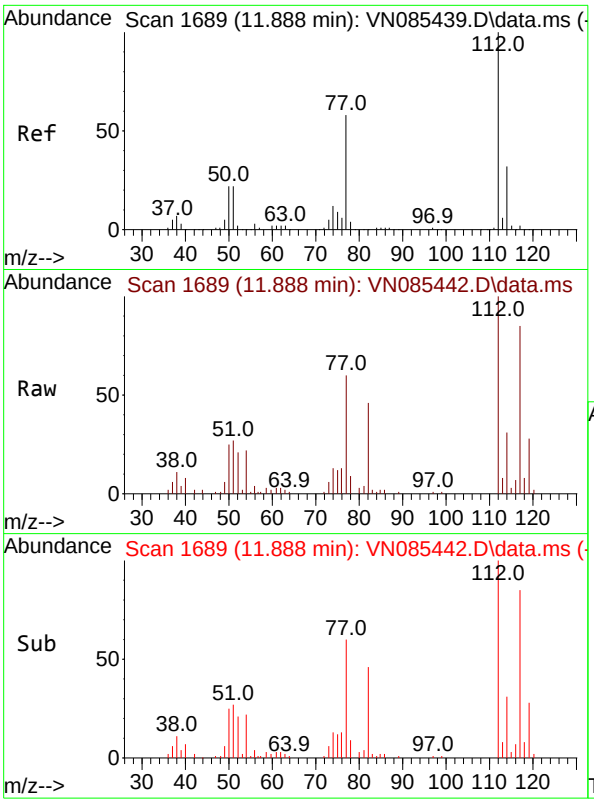


#64
Tetrachloroethene
Concen: 5.071 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion:164 Resp: 9756

Ion	Ratio	Lower	Upper
164	100		
166	130.6	103.4	155.2
129	111.5	79.2	118.8
131	110.5	77.1	115.7



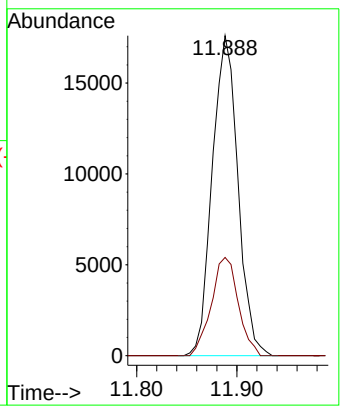


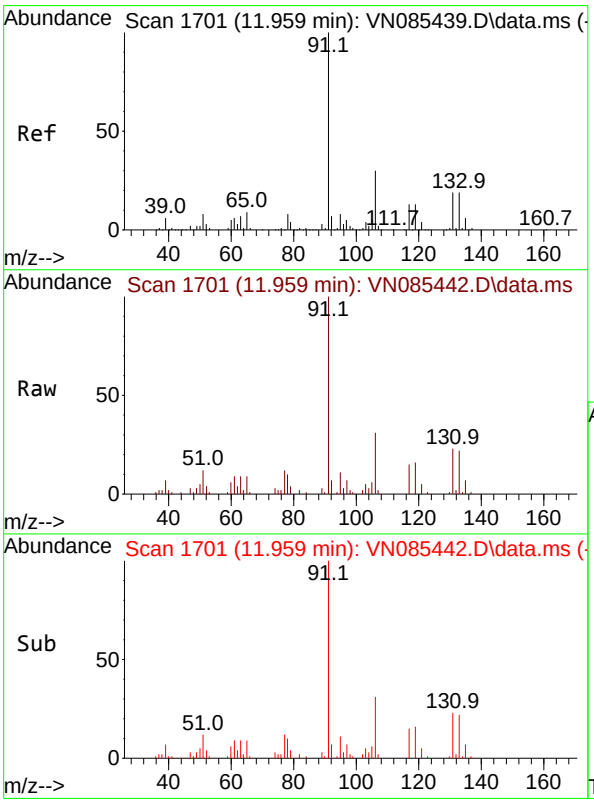
#65
Chlorobenzene
Concen: 5.065 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:112 Resp: 31312

Ion	Ratio	Lower	Upper
112	100		
114	30.7	25.3	37.9

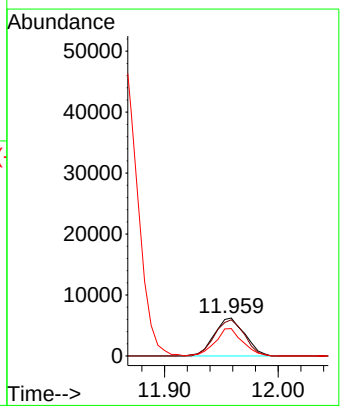


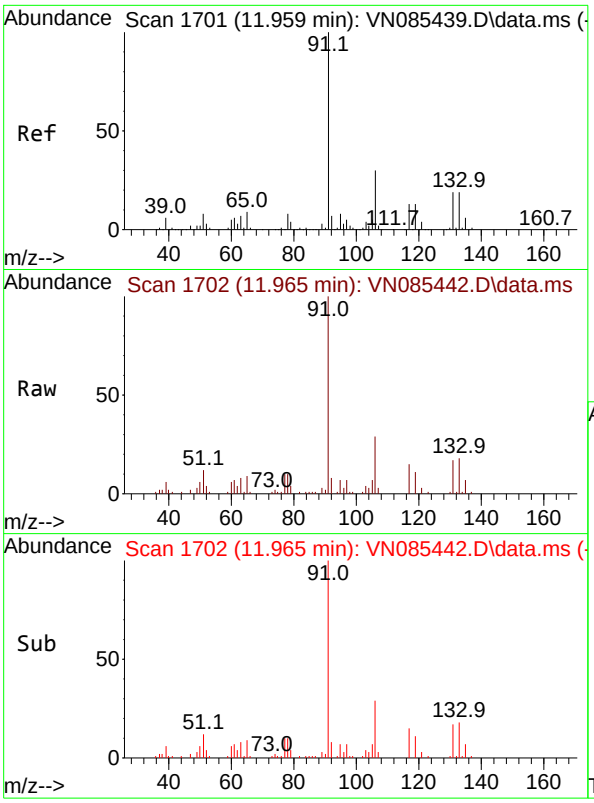


#66
1,1,1,2-Tetrachloroethane
Concen: 5.121 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion:131 Resp: 11620

Ion	Ratio	Lower	Upper
131	100		
133	92.7	47.4	142.3
119	65.0	33.1	99.5



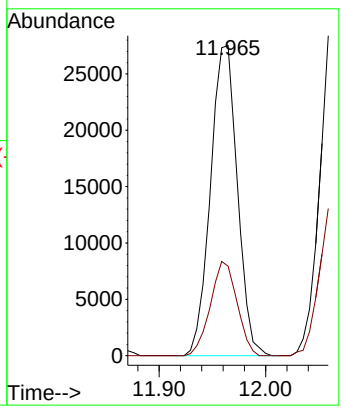


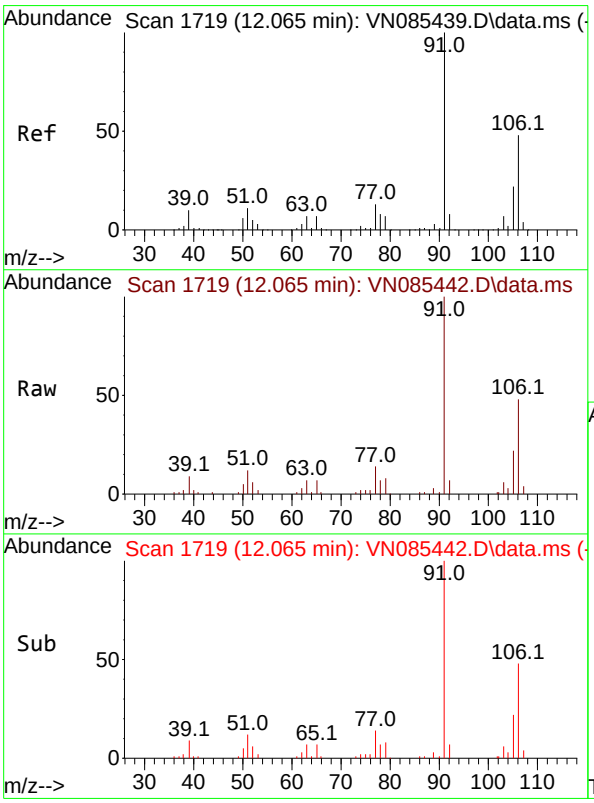
#67
Ethyl Benzene
Concen: 4.789 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 48216

Ion	Ratio	Lower	Upper
91	100		
106	28.9	23.8	35.8

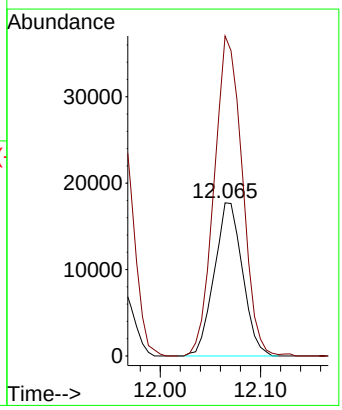


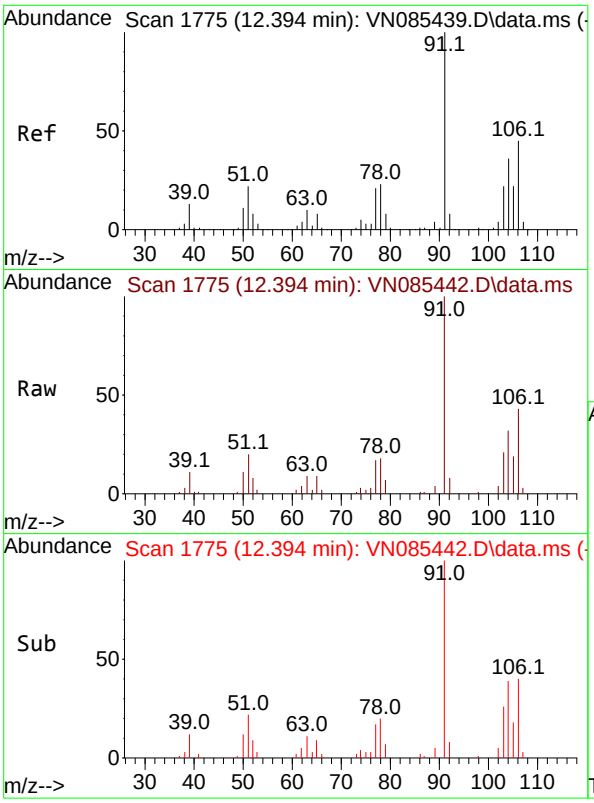


#68
m/p-Xylenes
Concen: 9.344 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion:106 Resp: 34771

Ion	Ratio	Lower	Upper
106	100		
91	207.9	167.7	251.5



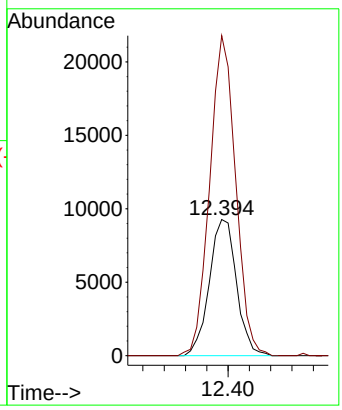


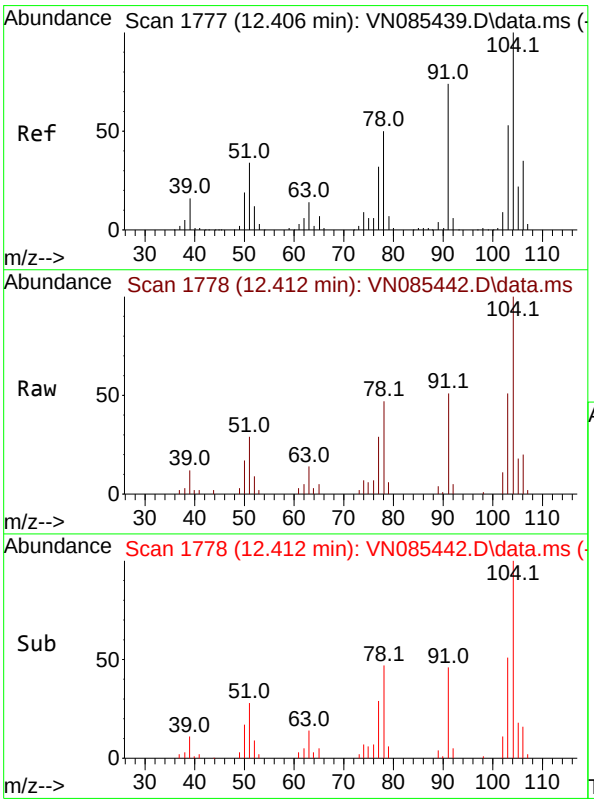
#69
o-Xylene
Concen: 4.617 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:106 Resp: 16419

Ion	Ratio	Lower	Upper
106	100		
91	224.0	110.4	331.2

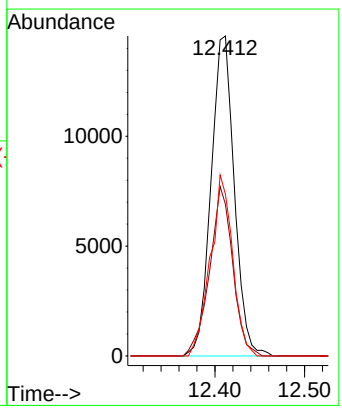


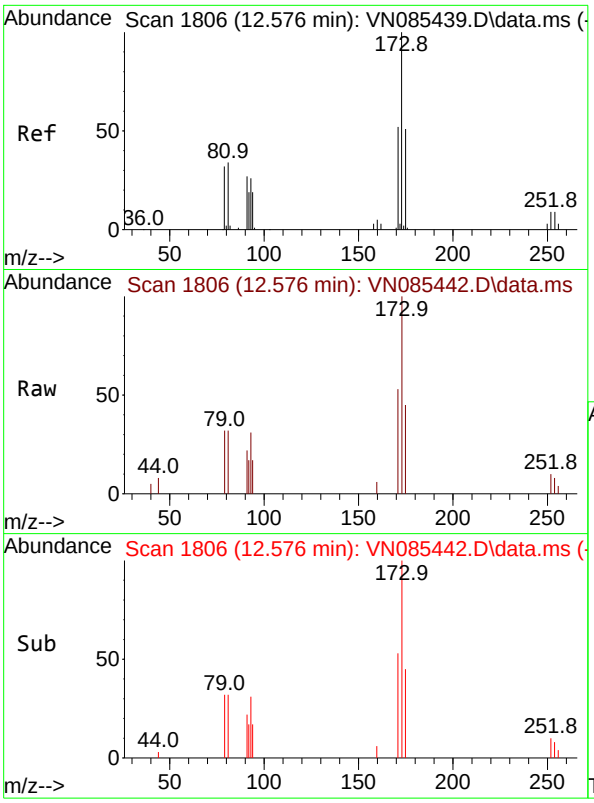


#70
Styrene
Concen: 4.454 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion:104 Resp: 26218

Ion	Ratio	Lower	Upper
104	100		
78	52.6	42.5	63.7
103	54.2	43.8	65.8



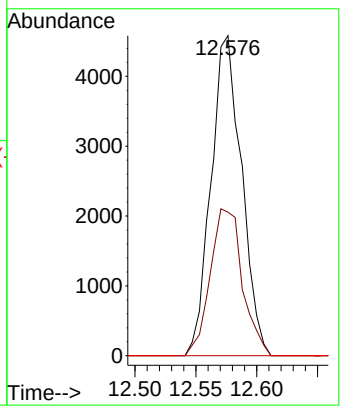


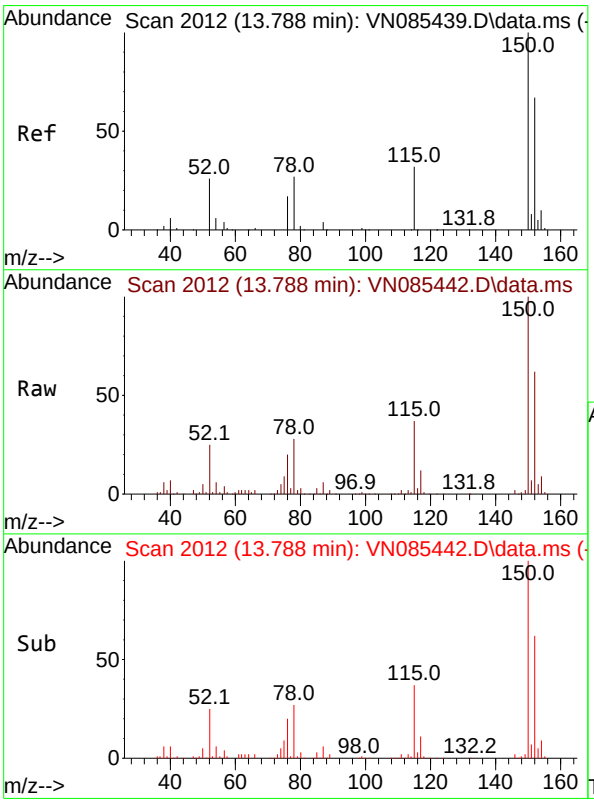
#71
Bromoform
Concen: 4.938 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:173 Resp: 8017

Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.4	73.2
254	0.0	0.0	0.0

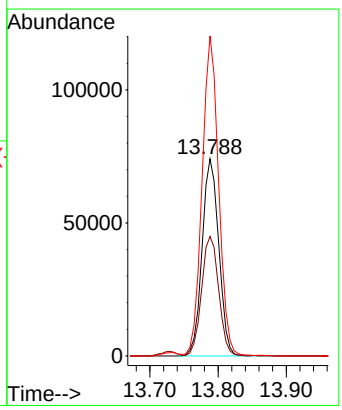


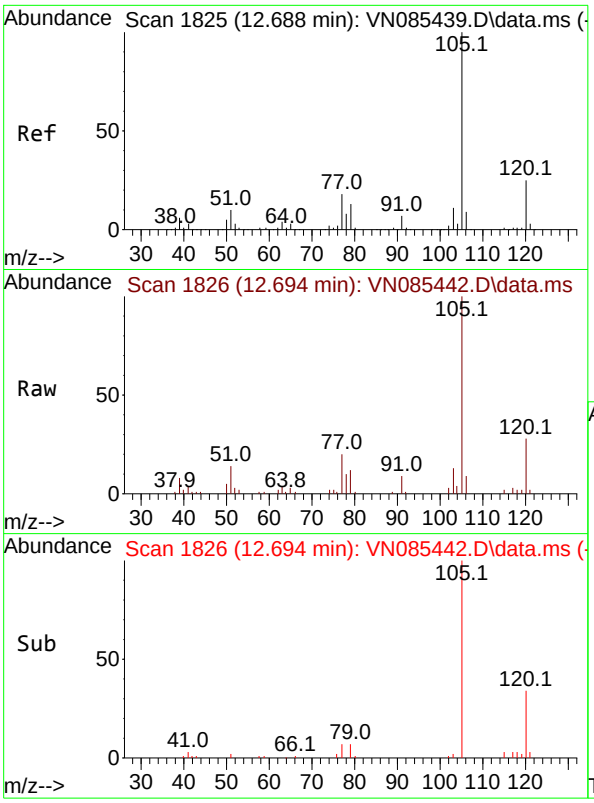


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion:152 Resp: 126086

Ion	Ratio	Lower	Upper
152	100		
115	62.0	31.1	93.3
150	160.7	0.0	343.6



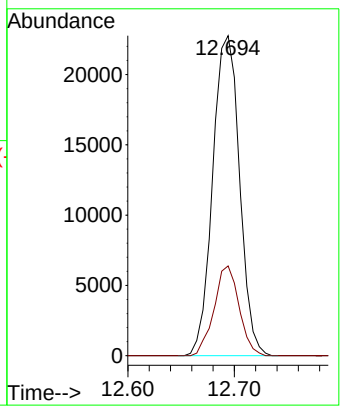


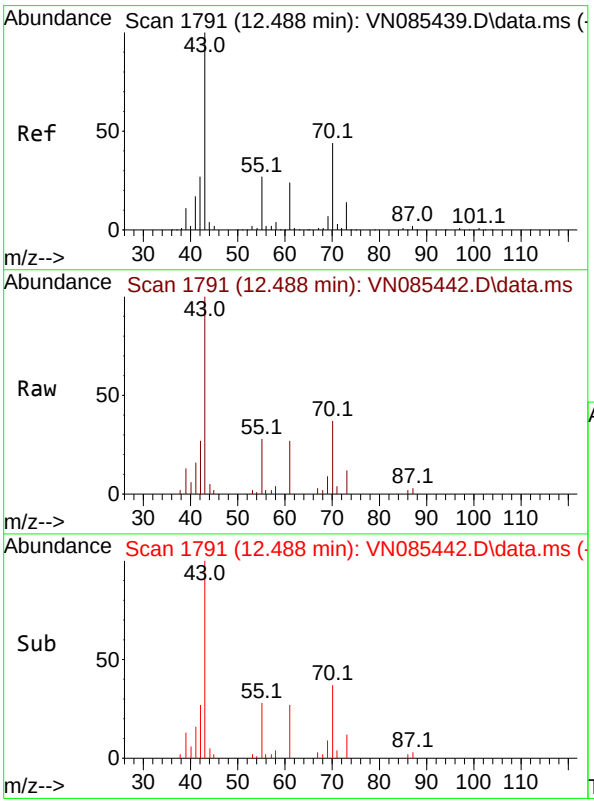
#73
Isopropylbenzene
Concen: 4.678 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 39811

Ion	Ratio	Lower	Upper
105	100		
120	26.1	12.8	38.3

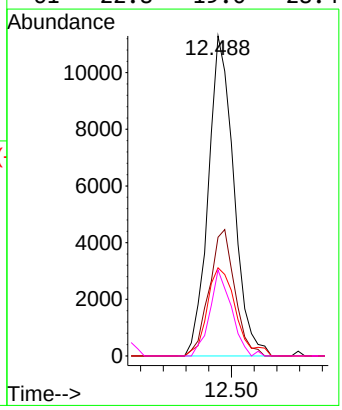


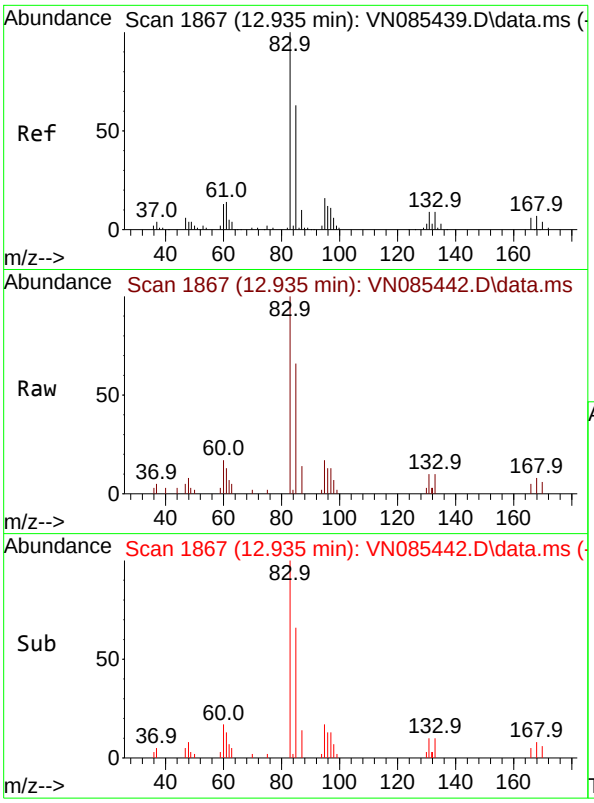


#74
N-amyl acetate
Concen: 4.595 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 43 Resp: 17577

Ion	Ratio	Lower	Upper
43	100		
70	39.5	34.0	51.0
55	30.8	21.4	32.2
61	22.8	19.0	28.4



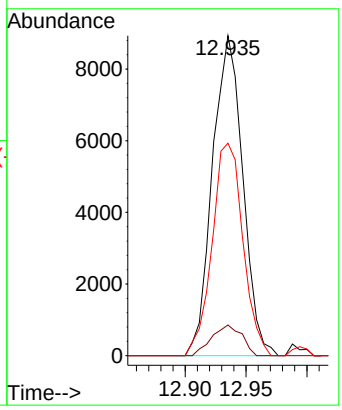


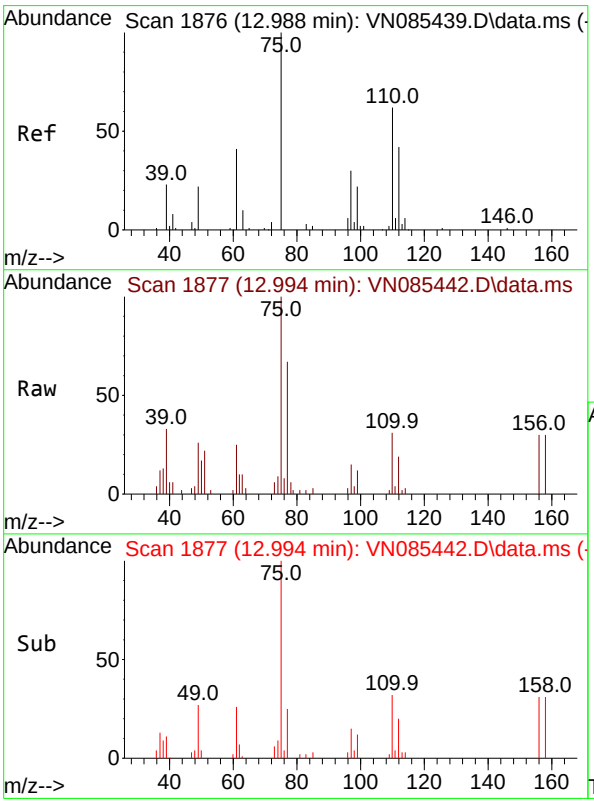
#75
1,1,2,2-Tetrachloroethane
Concen: 5.151 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 15483

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.8	14.4
85	67.5	32.2	96.6

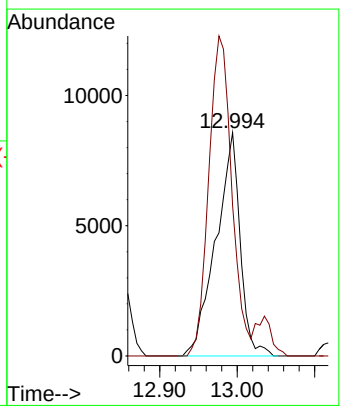


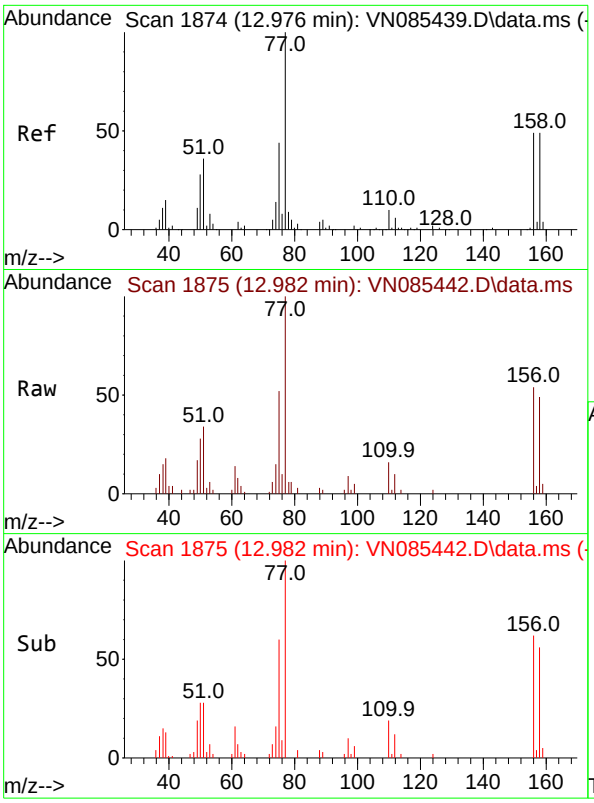


#76
1,2,3-Trichloropropane
Concen: 7.279 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 75 Resp: 18624

Ion	Ratio	Lower	Upper
75	100		
77	136.7	109.7	329.2



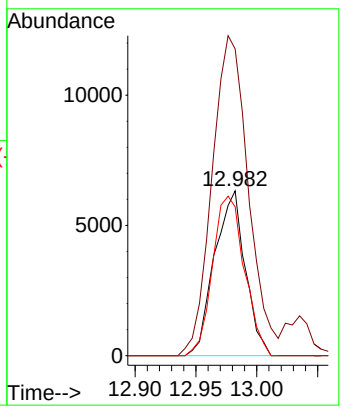


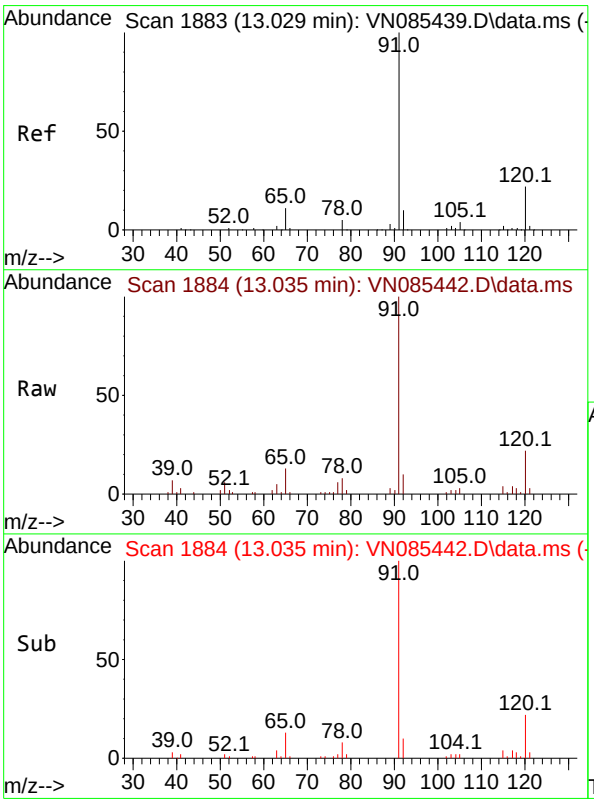
#77
Bromobenzene
Concen: 4.989 ug/l
RT: 12.982 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:156 Resp: 11091

Ion	Ratio	Lower	Upper
156	100		
77	229.5	114.1	342.4
158	100.8	48.9	146.8

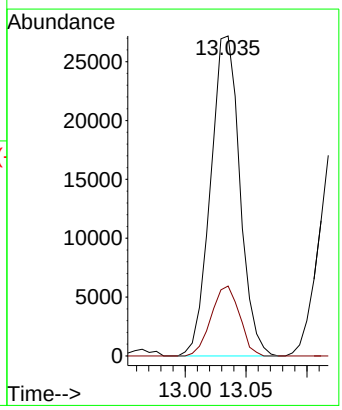


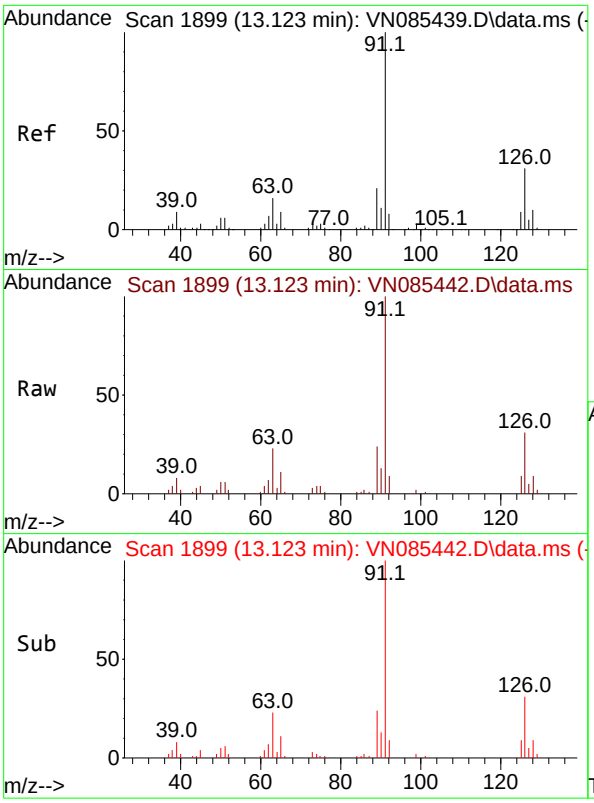


#78
n-propylbenzene
Concen: 4.512 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 91 Resp: 45450

Ion	Ratio	Lower	Upper
91	100		
120	21.1	10.9	32.6



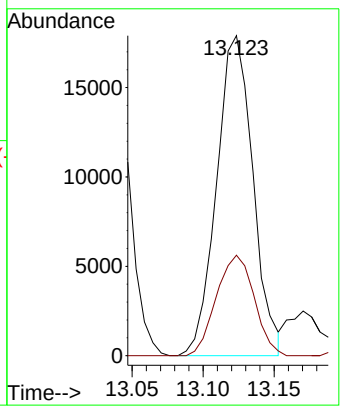


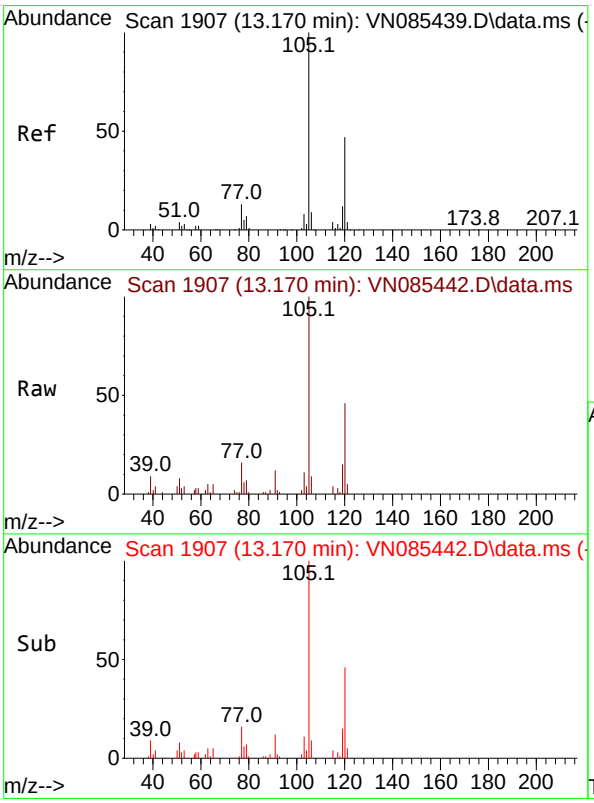
#79
2-Chlorotoluene
Concen: 4.898 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 31932

Ion	Ratio	Lower	Upper
91	100		
126	32.6	15.7	47.1

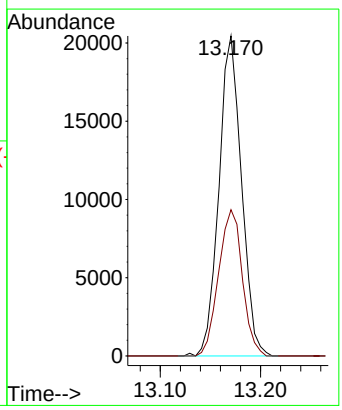


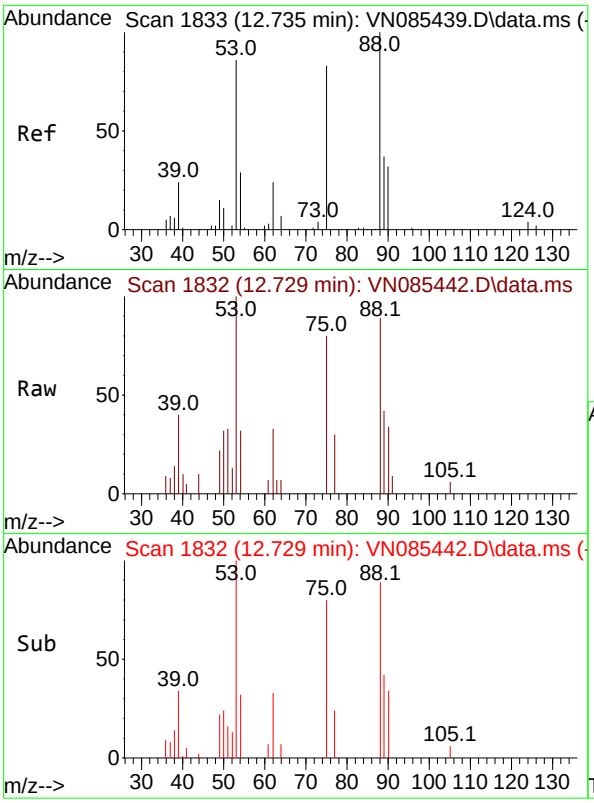


#80
1,3,5-Trimethylbenzene
Concen: 4.537 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion:105 Resp: 31891

Ion	Ratio	Lower	Upper
105	100		
120	48.1	23.9	71.7



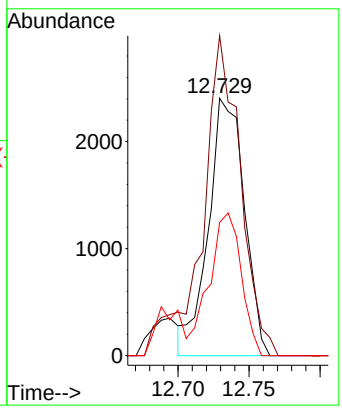


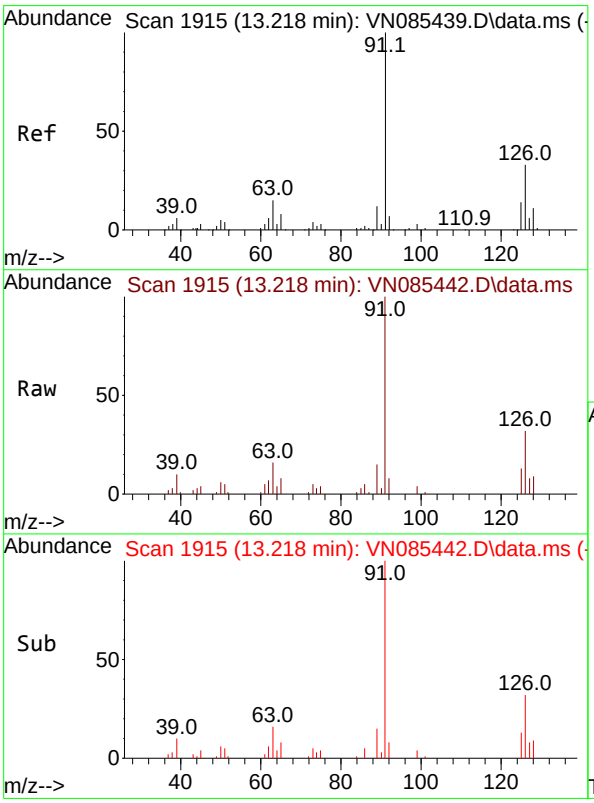
#81
trans-1,4-Dichloro-2-butene
Concen: 4.465 ug/l
RT: 12.729 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 4229

Ion	Ratio	Lower	Upper
75	100		
53	132.6	95.6	143.4
89	49.7	37.0	55.6

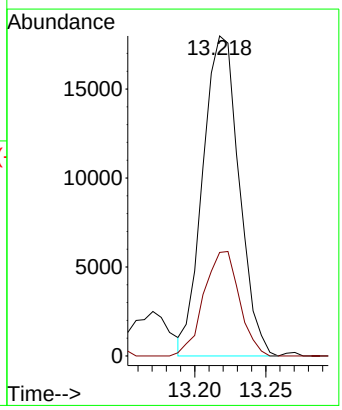


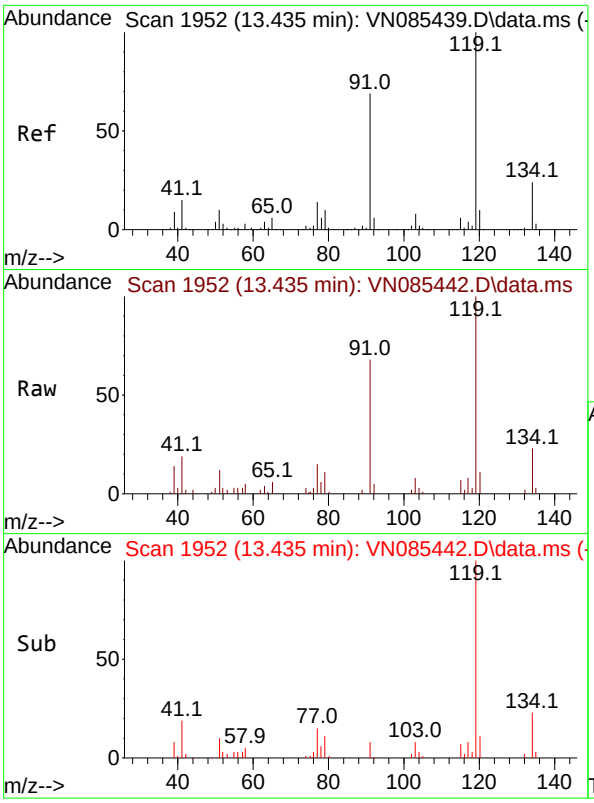


#82
4-Chlorotoluene
Concen: 4.926 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 91 Resp: 31976

Ion	Ratio	Lower	Upper
91	100		
126	31.9	15.9	47.7



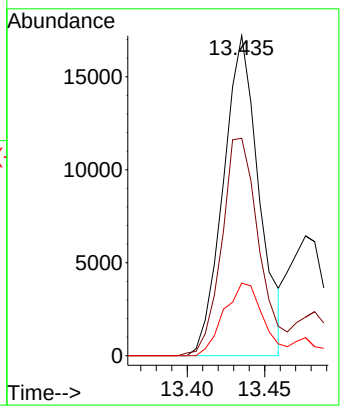


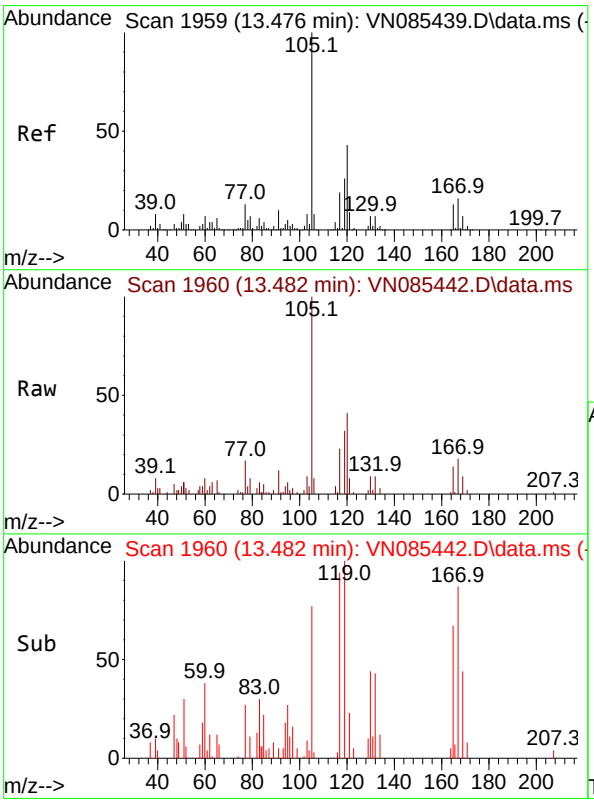
#83
tert-Butylbenzene
Concen: 4.675 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:119 Resp: 27597

Ion	Ratio	Lower	Upper
119	100		
91	71.1	35.1	105.3
134	24.8	12.0	36.1

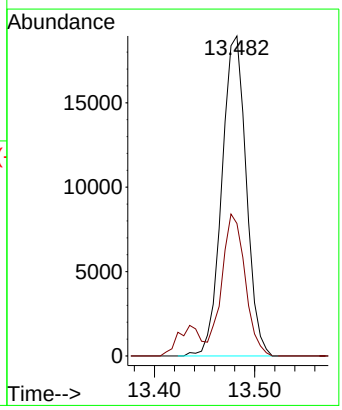


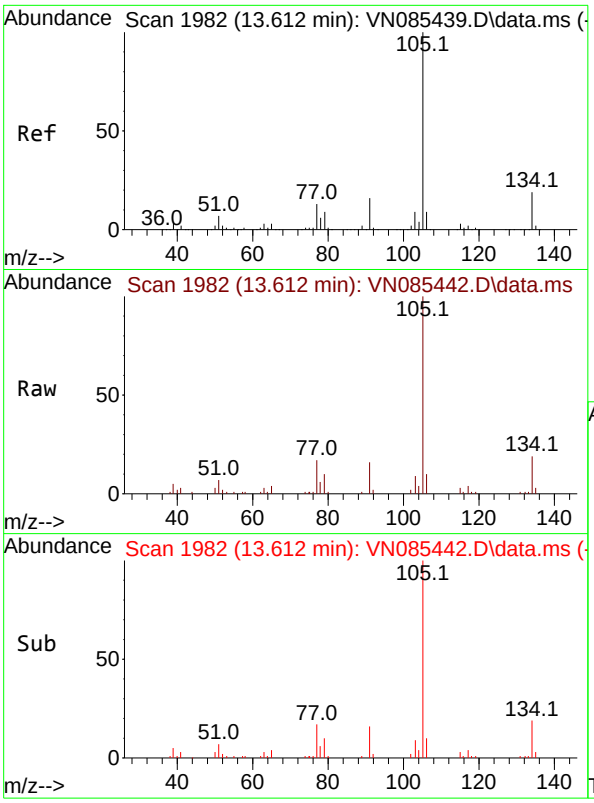


#84
1,2,4-Trimethylbenzene
Concen: 4.575 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion:105 Resp: 32054

Ion	Ratio	Lower	Upper
105	100		
120	42.0	21.6	65.0



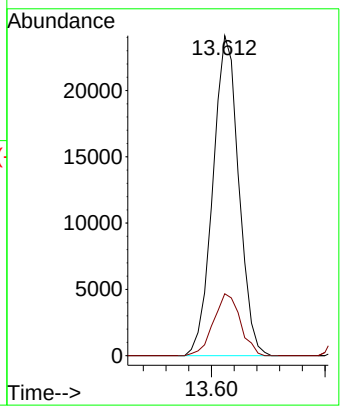


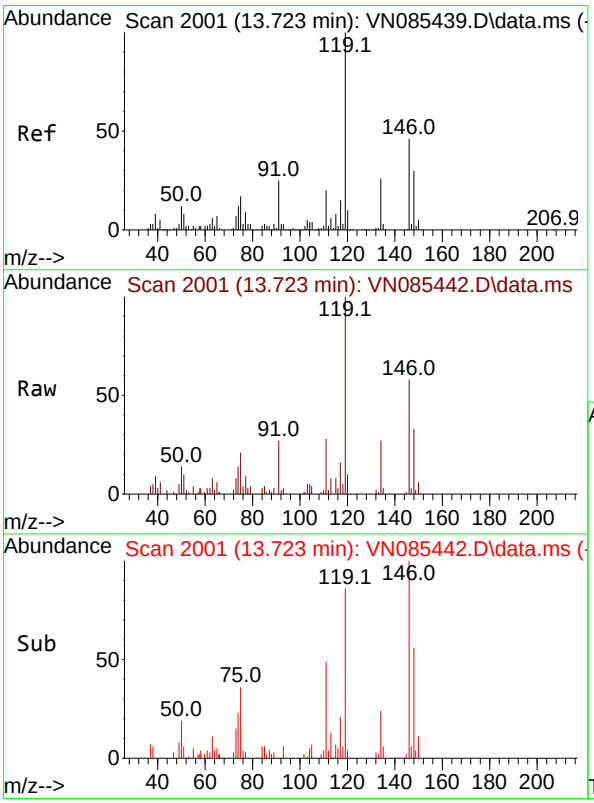
#85
sec-Butylbenzene
Concen: 4.663 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 38148

Ion	Ratio	Lower	Upper
105	100		
134	20.1	9.7	28.9

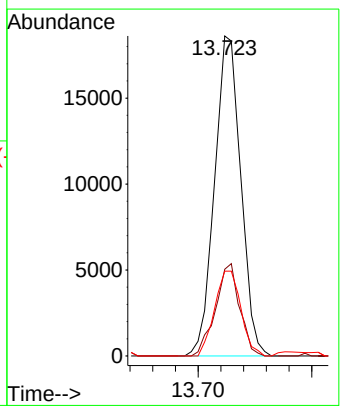


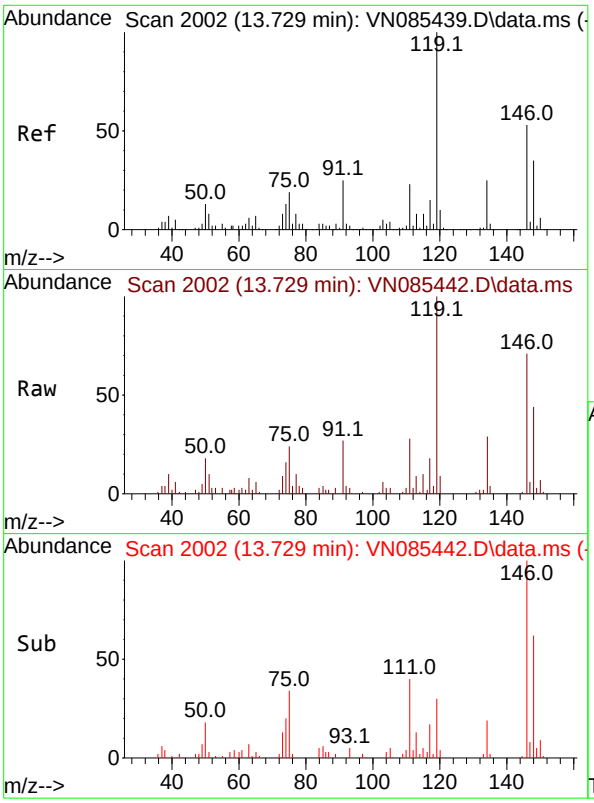


#86
p-Isopropyltoluene
Concen: 4.584 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion:119 Resp: 29856

Ion	Ratio	Lower	Upper
119	100		
134	26.5	12.7	38.0
91	26.5	12.7	38.1



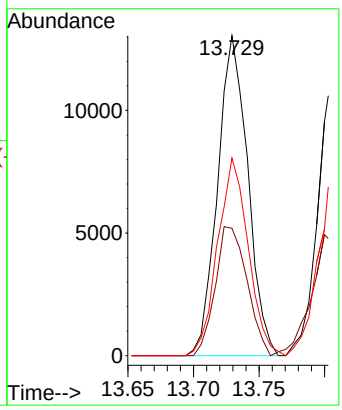


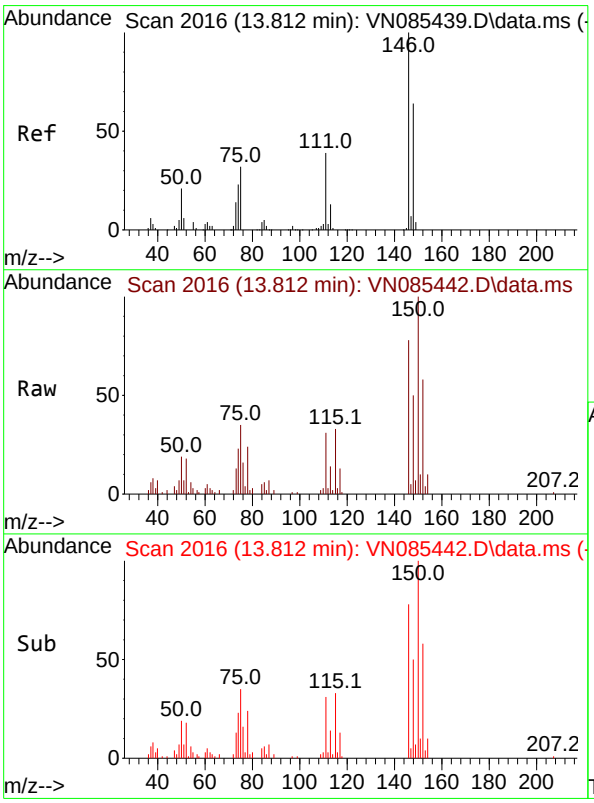
#87
1,3-Dichlorobenzene
Concen: 5.099 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 20876

Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.4	64.3
148	62.7	32.3	96.9

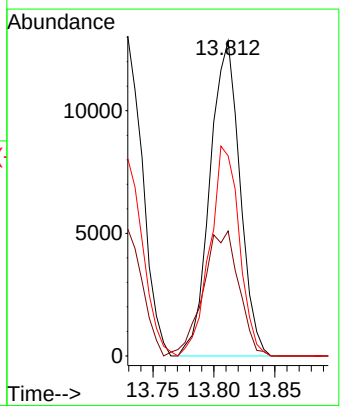


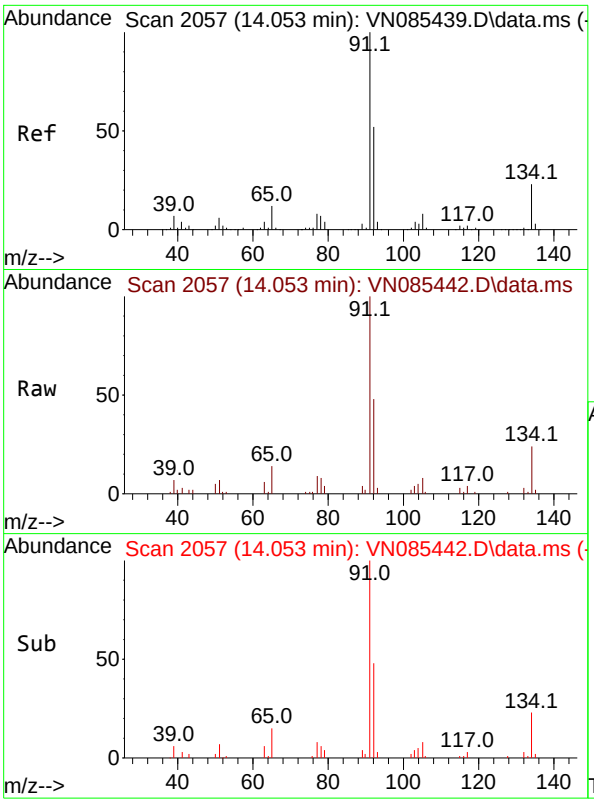


#88
1,4-Dichlorobenzene
Concen: 5.179 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion:146 Resp: 21982

Ion	Ratio	Lower	Upper
146	100		
111	47.1	21.3	63.7
148	65.5	32.4	97.0



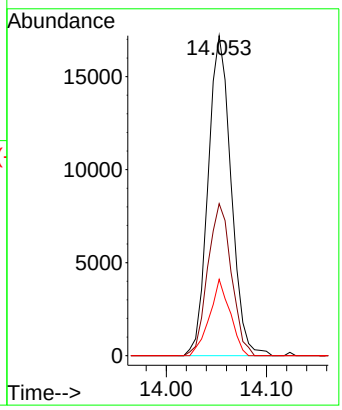


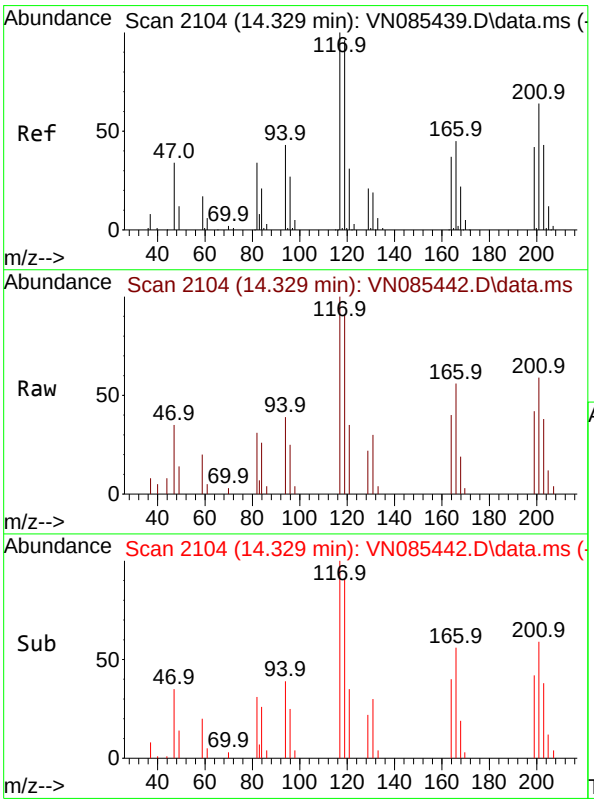
#89
n-Butylbenzene
Concen: 4.675 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 27437

Ion	Ratio	Lower	Upper
91	100		
92	48.7	25.8	77.3
134	21.4	11.7	35.1

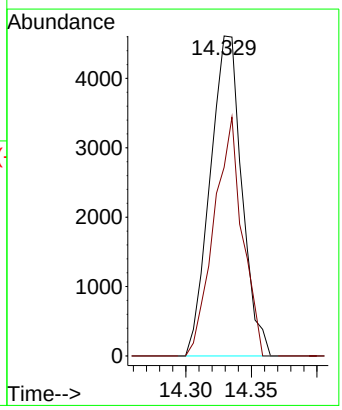


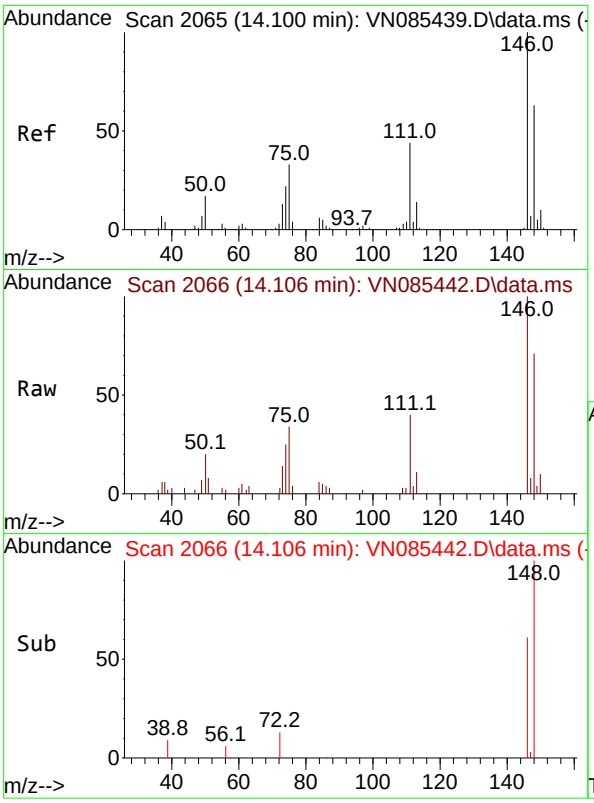


#90
Hexachloroethane
Concen: 4.987 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion:117 Resp: 7767

Ion	Ratio	Lower	Upper
117	100		
201	66.9	33.7	101.0



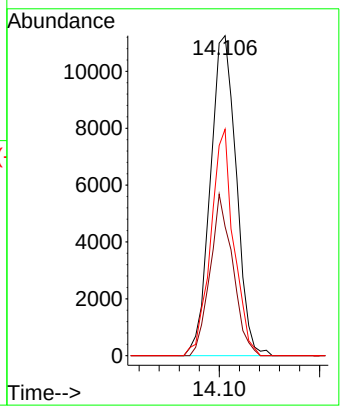


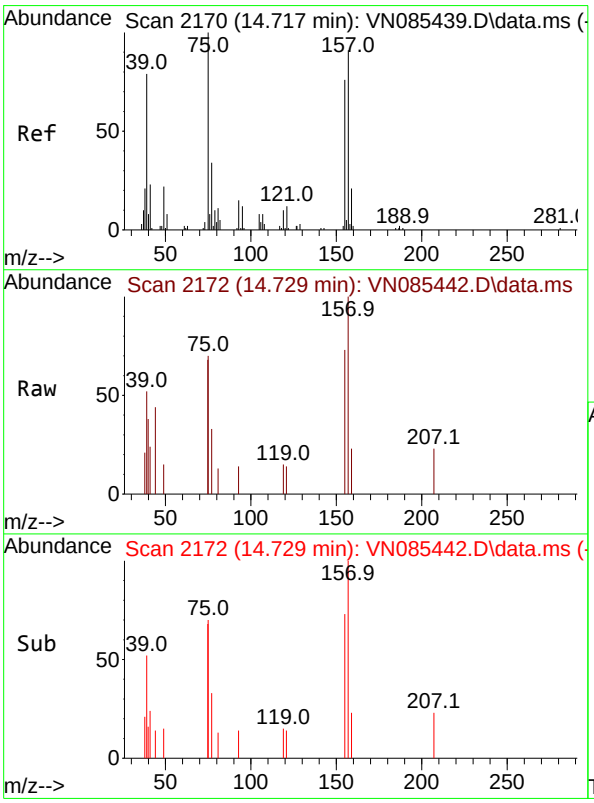
#91
1,2-Dichlorobenzene
Concen: 4.940 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 20177

Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.7	65.1
148	62.8	31.4	94.2

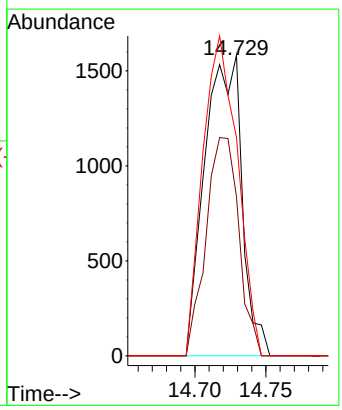


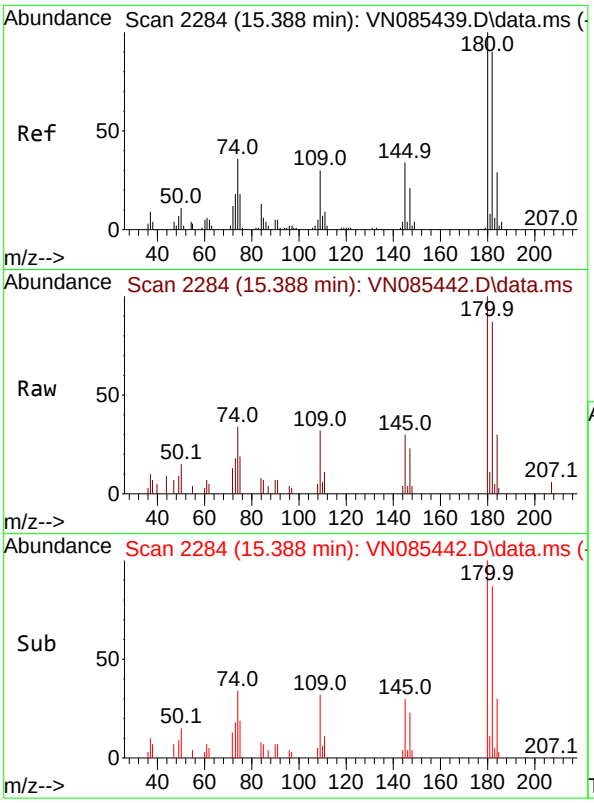


#92
1,2-Dibromo-3-Chloropropane
Concen: 5.232 ug/l
RT: 14.729 min Scan# 2172
Delta R.T. 0.012 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion: 75 Resp: 2872

Ion	Ratio	Lower	Upper
75	100		
155	64.2	36.4	109.2
157	99.8	45.4	136.1



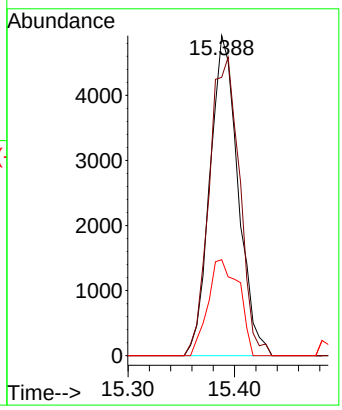


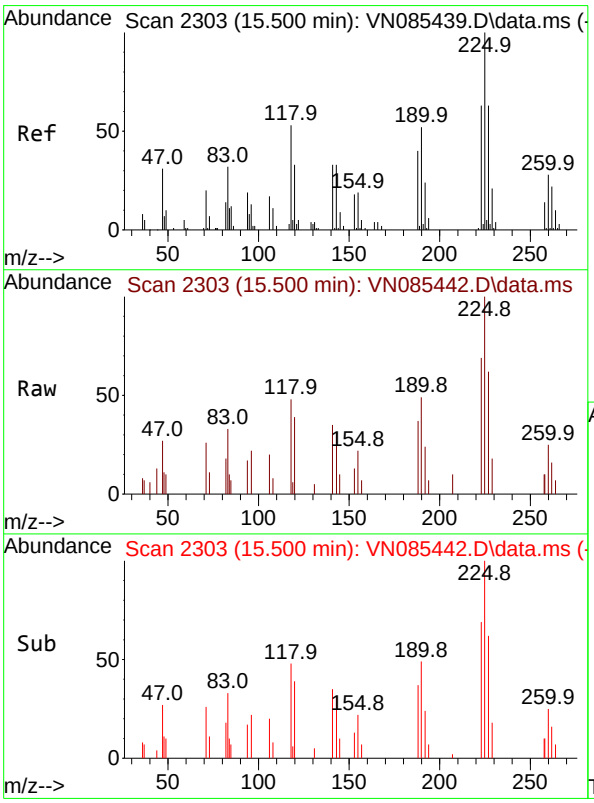
#93
1,2,4-Trichlorobenzene
Concen: 4.761 ug/l
RT: 15.388 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:180 Resp: 9037

Ion	Ratio	Lower	Upper
180	100		
182	100.5	46.8	140.3
145	33.0	16.0	48.0

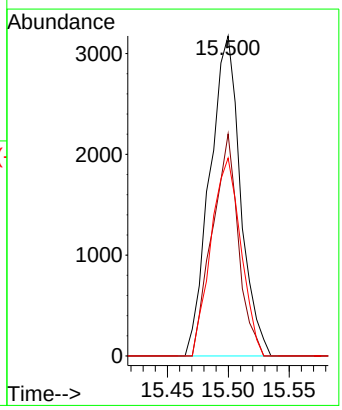


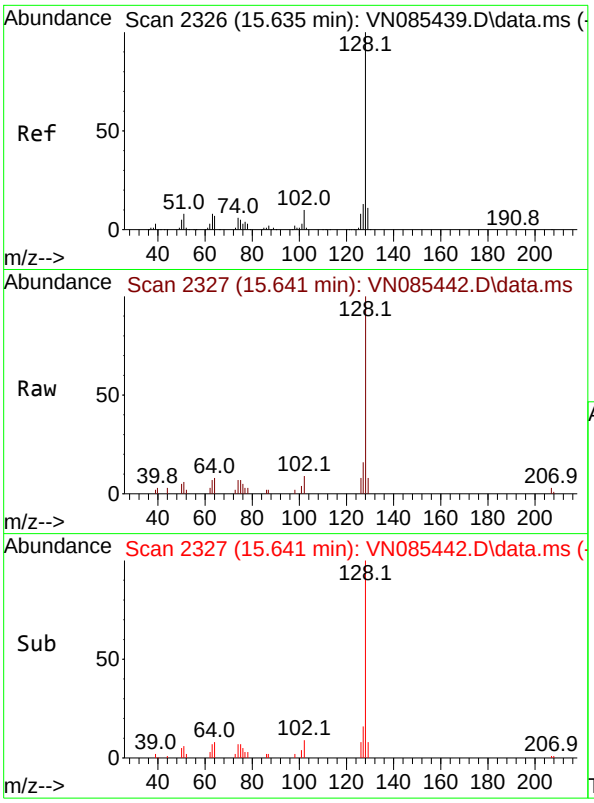


#94
Hexachlorobutadiene
Concen: 5.520 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion:225 Resp: 5563

Ion	Ratio	Lower	Upper
225	100		
223	59.2	30.7	92.1
227	60.1	30.9	92.5



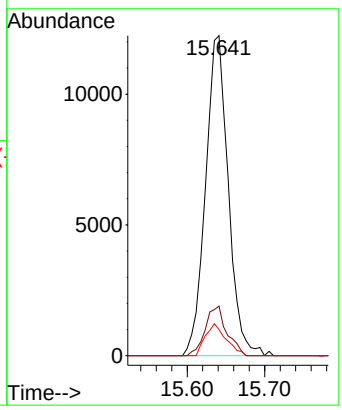


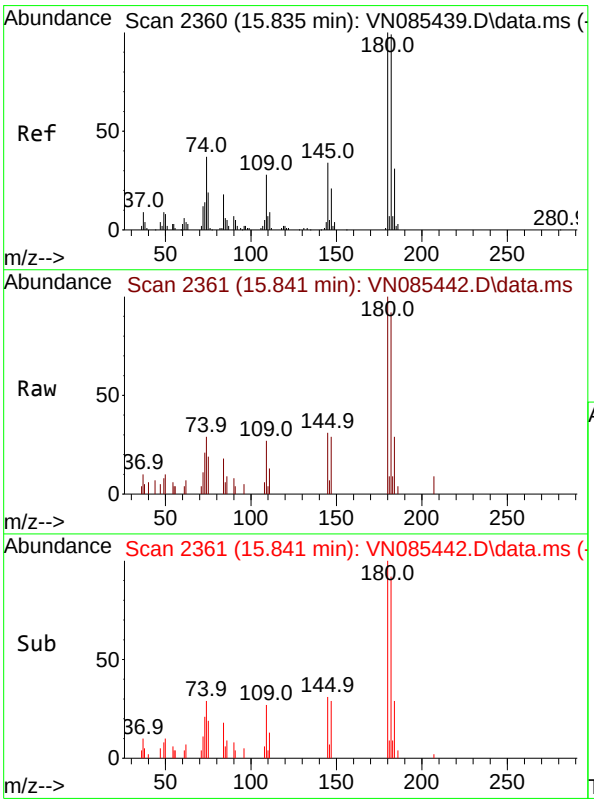
#95
Naphthalene
Concen: 4.422 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:128 Resp: 25047

Ion	Ratio	Lower	Upper
128	100		
127	14.7	10.6	16.0
129	9.1	8.8	13.2

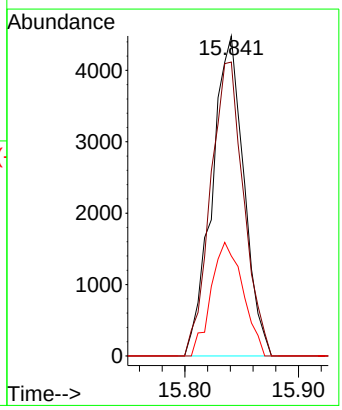




#96
1,2,3-Trichlorobenzene
Concen: 4.549 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN085442.D
Acq: 14 Jan 2025 16:31

Tgt Ion:180 Resp: 8737

Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.4	142.2
145	35.5	16.9	50.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085443.D
Acq On : 14 Jan 2025 17:19
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Quant Time: Jan 15 01:46:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.224	168	166880	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.100	114	302938	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	256851	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	99539	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.571	65	3273	1.215	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	2.440%#			
35) Dibromofluoromethane	8.159	113	2258	1.074	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	2.140%#			
50) Toluene-d8	10.565	98	7164	0.959	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	1.920%#			
62) 4-Bromofluorobenzene	12.841	95	2428	0.951	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	1.900%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	2382	1.054	ug/l		91
3) Chloromethane	2.359	50	2801	1.145	ug/l		93
4) Vinyl Chloride	2.512	62	2732	1.111	ug/l	#	81
5) Bromomethane	2.971	94	2279	1.534	ug/l		97
6) Chloroethane	3.124	64	1809	1.160	ug/l		94
7) Trichlorofluoromethane	3.512	101	3860	1.082	ug/l		88
8) Diethyl Ether	3.953	74	1526	1.238	ug/l		81
9) 1,1,2-Trichlorotrifluo...	4.359	101	1308	0.651	ug/l	#	68
10) Methyl Iodide	4.600	142	2478	1.077	ug/l	#	87
11) Tert butyl alcohol	5.512	59	1314	4.260	ug/l	#	71
12) 1,1-Dichloroethene	4.330	96	1660	0.927	ug/l	#	67
13) Acrolein	4.177	56	1510	3.586	ug/l		86
14) Allyl chloride	5.024	41	3179	1.094	ug/l	#	85
15) Acrylonitrile	5.718	53	4967	5.070	ug/l	#	70
16) Acetone	4.436	43	5102	5.862	ug/l		92
17) Carbon Disulfide	4.706	76	6601	1.197	ug/l	#	87
18) Methyl Acetate	5.030	43	2908	1.099	ug/l	#	80
19) Methyl tert-butyl Ether	5.789	73	5156	0.887	ug/l	#	87
20) Methylene Chloride	5.265	84	2190	1.016	ug/l	#	87
21) trans-1,2-Dichloroethene	5.794	96	2110	1.102	ug/l	#	66
22) Diisopropyl ether	6.677	45	5691	0.882	ug/l	#	88
23) Vinyl Acetate	6.606	43	22593	4.988	ug/l		98
24) 1,1-Dichloroethane	6.553	63	2873	0.730	ug/l	#	84
25) 2-Butanone	7.483	43	5203	4.062	ug/l	#	90
26) 2,2-Dichloropropane	7.488	77	3104	0.976	ug/l		92
27) cis-1,2-Dichloroethene	7.477	96	2185	0.969	ug/l		92
28) Bromochloromethane	7.812	49	2082	1.138	ug/l	#	89
29) Tetrahydrofuran	7.835	42	3693	4.548	ug/l		98
30) Chloroform	7.965	83	4250	1.045	ug/l	#	80
31) Cyclohexane	8.218	56	7152	2.092	ug/l	#	1
32) 1,1,1-Trichloroethane	8.165	97	3678	1.031	ug/l	#	56
36) 1,1-Dichloropropene	8.371	75	3084	1.046	ug/l	#	84
37) Ethyl Acetate	7.553	43	911	0.306	ug/l	#	88
38) Carbon Tetrachloride	8.359	117	3436	1.018	ug/l		90
39) Methylcyclohexane	9.600	83	2403	0.867	ug/l	#	87
40) Benzene	8.606	78	8480	0.957	ug/l		91

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085443.D
Acq On : 14 Jan 2025 17:19
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Quant Time: Jan 15 01:46:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.771	41	1458	0.941 ug/l #	76
42) 1,2-Dichloroethane	8.665	62	3131	0.938 ug/l	91
43) Isopropyl Acetate	8.682	43	4803	1.007 ug/l #	87
44) Trichloroethene	9.347	130	2133	1.034 ug/l	71
45) 1,2-Dichloropropane	9.618	63	2246	0.992 ug/l	99
46) Dibromomethane	9.706	93	1769	1.083 ug/l	92
47) Bromodichloromethane	9.882	83	2935	0.882 ug/l	90
48) Methyl methacrylate	9.677	41	1886	0.878 ug/l	96
49) 1,4-Dioxane	9.688	88	673	18.616 ug/l #	47
51) 4-Methyl-2-Pentanone	10.441	43	11523	4.163 ug/l	93
52) Toluene	10.618	92	4180	0.814 ug/l	93
53) t-1,3-Dichloropropene	10.835	75	2522	0.802 ug/l	92
54) cis-1,3-Dichloropropene	10.312	75	2725	0.811 ug/l #	83
55) 1,1,2-Trichloroethane	11.018	97	1901	0.935 ug/l	91
56) Ethyl methacrylate	10.871	69	1923	2.471 ug/l #	88
57) 1,3-Dichloropropane	11.165	76	3113	0.881 ug/l	95
58) 2-Chloroethyl Vinyl ether	10.153	63	4929	3.822 ug/l	91
59) 2-Hexanone	11.194	43	7905	4.058 ug/l	87
60) Dibromochloromethane	11.359	129	2339	0.953 ug/l	98
61) 1,2-Dibromoethane	11.465	107	2022	1.000 ug/l	90
64) Tetrachloroethene	11.106	164	1658	0.947 ug/l #	83
65) Chlorobenzene	11.888	112	5401	0.960 ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.959	131	2185	1.058 ug/l #	64
67) Ethyl Benzene	11.959	91	7347	0.802 ug/l	94
68) m/p-Xylenes	12.070	106	5059	1.494 ug/l	100
69) o-Xylene	12.394	106	2478	0.766 ug/l	97
70) Styrene	12.406	104	3812	0.712 ug/l	99
71) Bromoform	12.582	173	1208	0.818 ug/l #	88
73) Isopropylbenzene	12.688	105	5506	0.820 ug/l	98
74) N-amyl acetate	12.494	43	2716	0.899 ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.935	83	2616	1.102 ug/l #	96
76) 1,2,3-Trichloropropane	12.982	75	3212	1.590 ug/l	42
77) Bromobenzene	12.976	156	1733	0.987 ug/l	97
78) n-propylbenzene	13.029	91	6424	0.808 ug/l	93
79) 2-Chlorotoluene	13.117	91	4483	0.871 ug/l	97
80) 1,3,5-Trimethylbenzene	13.165	105	4301	0.775 ug/l	90
81) trans-1,4-Dichloro-2-b...	12.735	75	695	0.929 ug/l #	76
82) 4-Chlorotoluene	13.223	91	4268	0.833 ug/l	99
83) tert-Butylbenzene	13.435	119	3753	0.805 ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	3758	0.679 ug/l	93
85) sec-Butylbenzene	13.612	105	4614	0.714 ug/l	99
86) p-Isopropyltoluene	13.723	119	3538	0.716 ug/l	98
87) 1,3-Dichlorobenzene	13.723	146	3038	0.940 ug/l	95
88) 1,4-Dichlorobenzene	13.723	146	3038	0.907 ug/l	95
89) n-Butylbenzene	14.053	91	3527	0.761 ug/l	93
90) Hexachloroethane	14.341	117	1355	1.102 ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	3515	1.090 ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.711	75	402	0.928 ug/l	74
93) 1,2,4-Trichlorobenzene	15.394	180	1310	0.874 ug/l #	80
94) Hexachlorobutadiene	15.500	225	822	1.033 ug/l	89
95) Naphthalene	15.641	128	4210	0.941 ug/l #	90
96) 1,2,3-Trichlorobenzene	15.835	180	1494	0.985 ug/l #	86

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085443.D
Acq On : 14 Jan 2025 17:19
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Quant Time: Jan 15 01:46:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

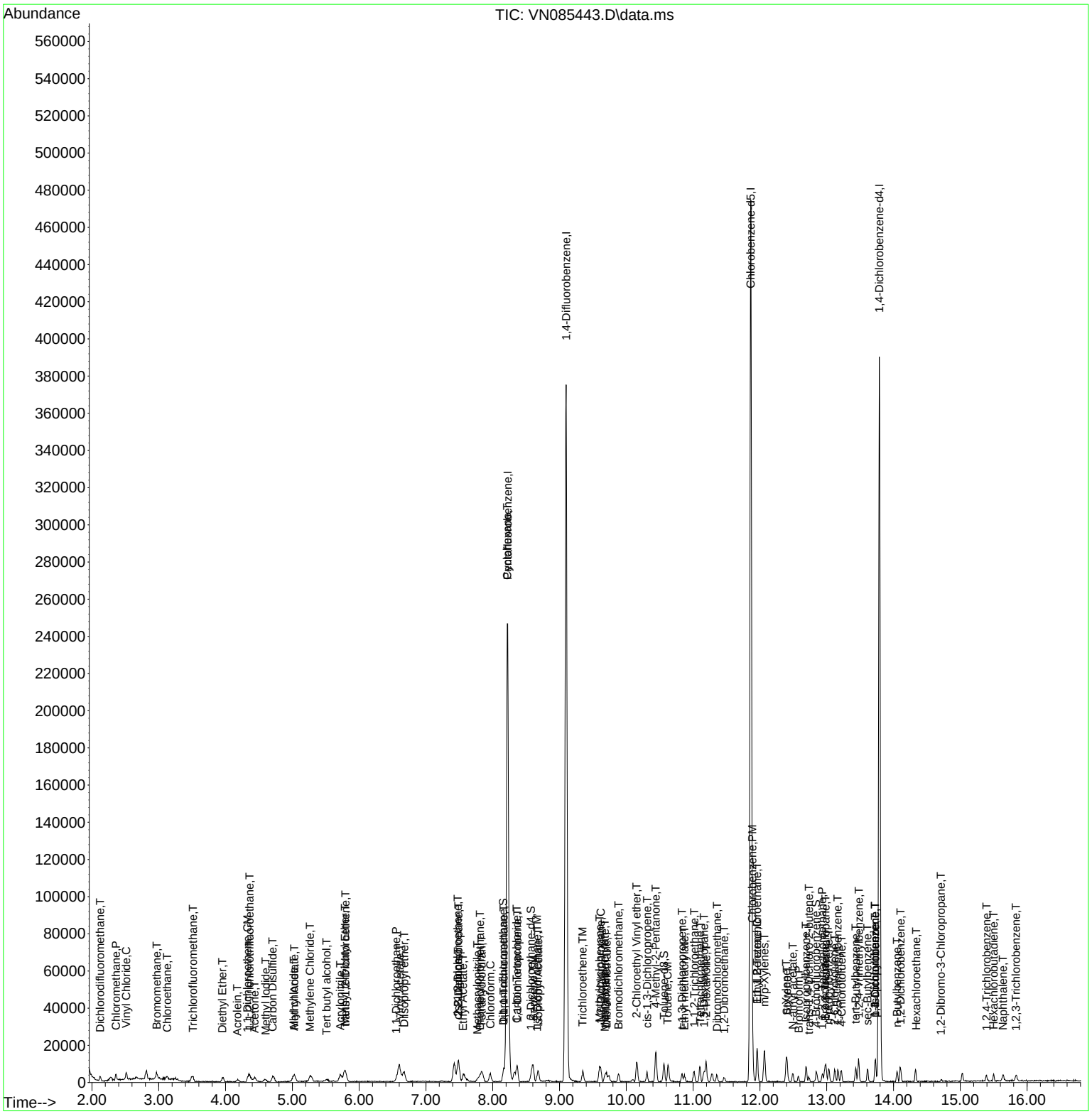
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

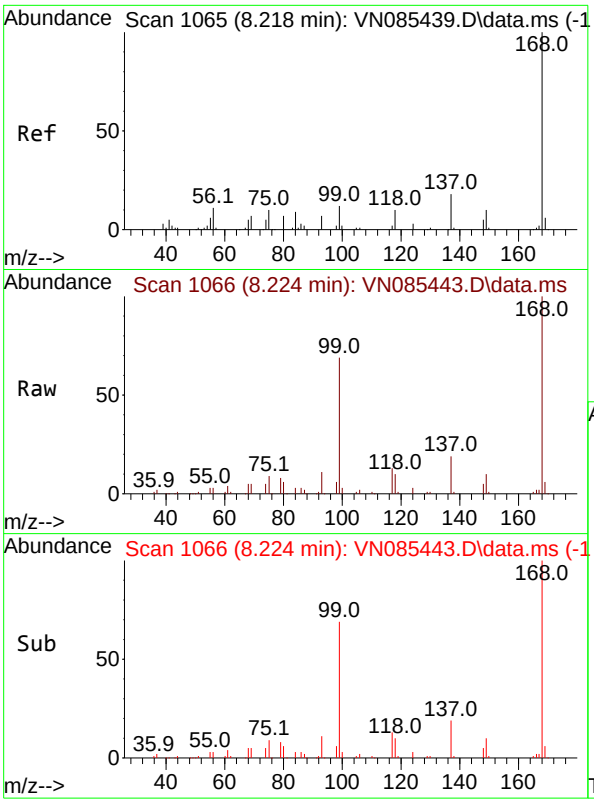
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085443.D
Acq On : 14 Jan 2025 17:19
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Quant Time: Jan 15 01:46:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration



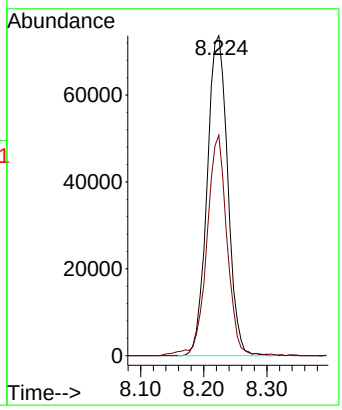


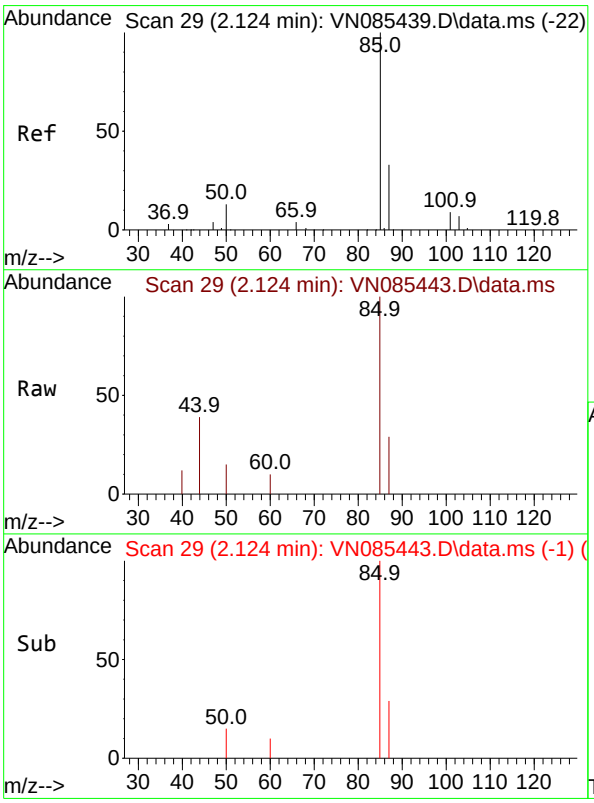
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:168 Resp: 166880

Ion	Ratio	Lower	Upper
168	100		
99	68.6	53.6	80.4

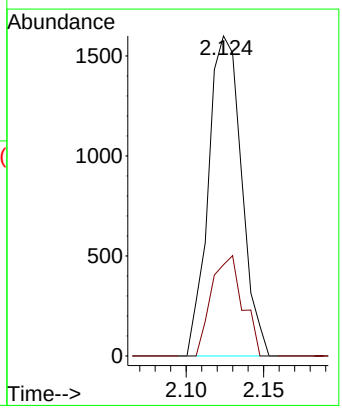


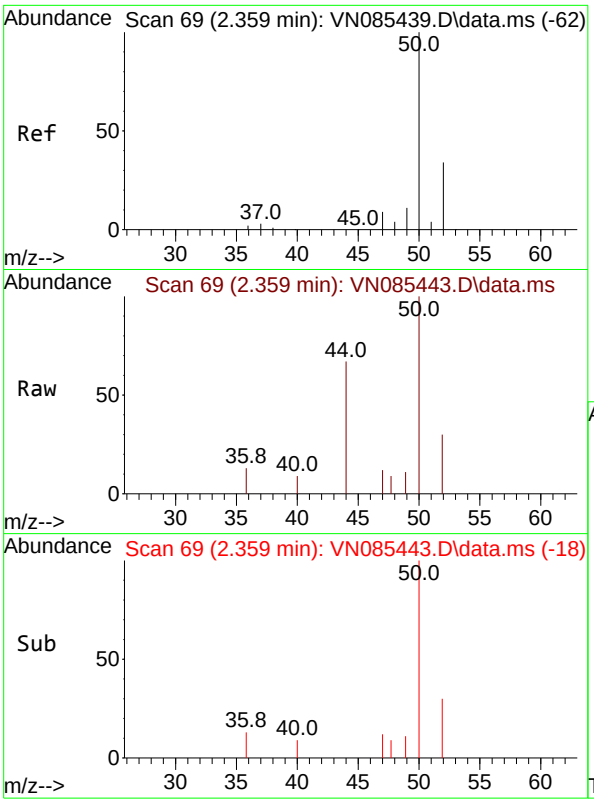


#2
Dichlorodifluoromethane
Concen: 1.054 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 85 Resp: 2382

Ion	Ratio	Lower	Upper
85	100		
87	28.5	16.7	50.1



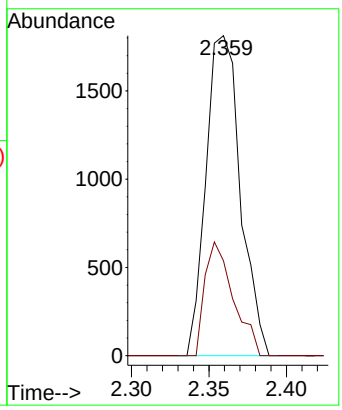


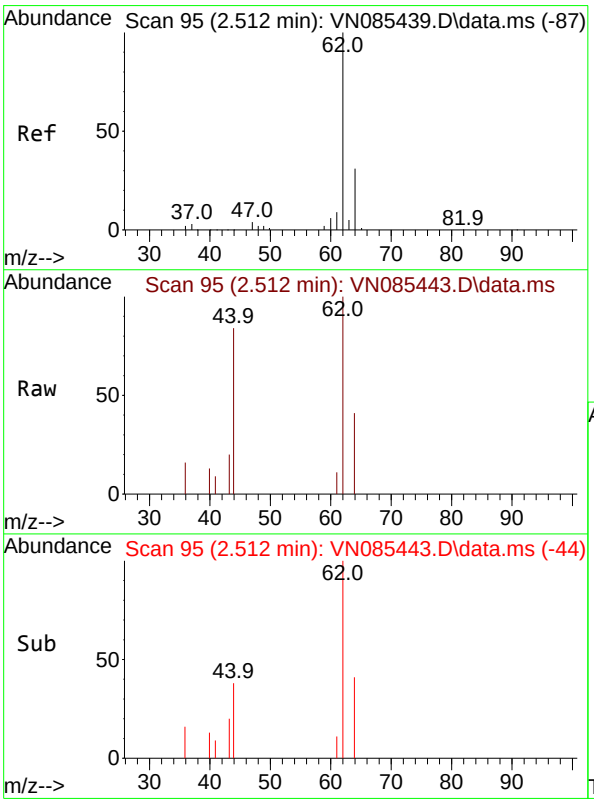
#3
Chloromethane
Concen: 1.145 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 50 Resp: 2801

Ion	Ratio	Lower	Upper
50	100		
52	29.7	27.0	40.6

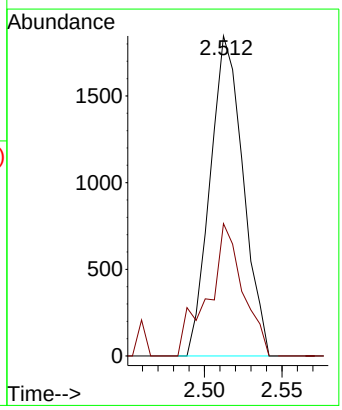


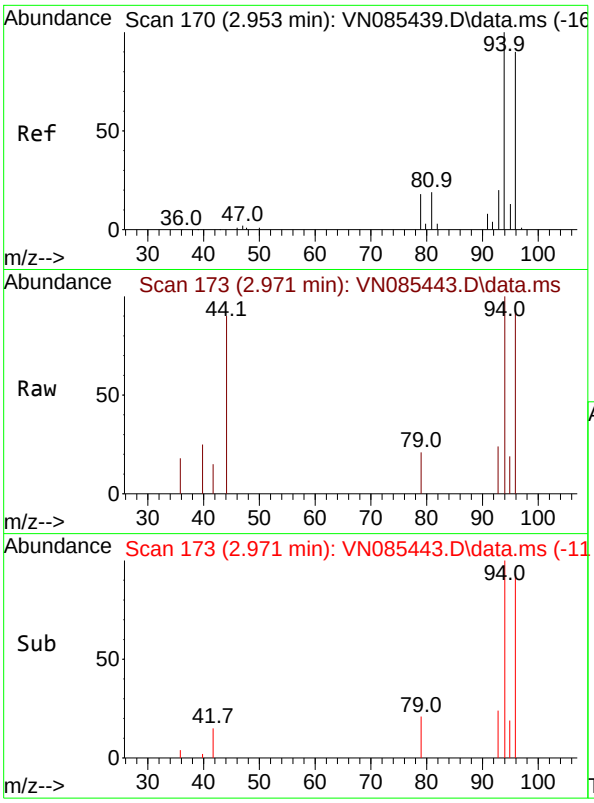


#4
Vinyl Chloride
Concen: 1.111 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 62 Resp: 2732

Ion	Ratio	Lower	Upper
62	100		
64	41.4	24.8	37.2#



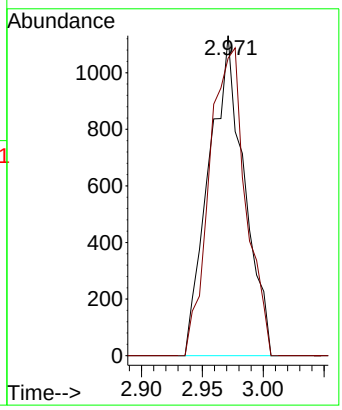


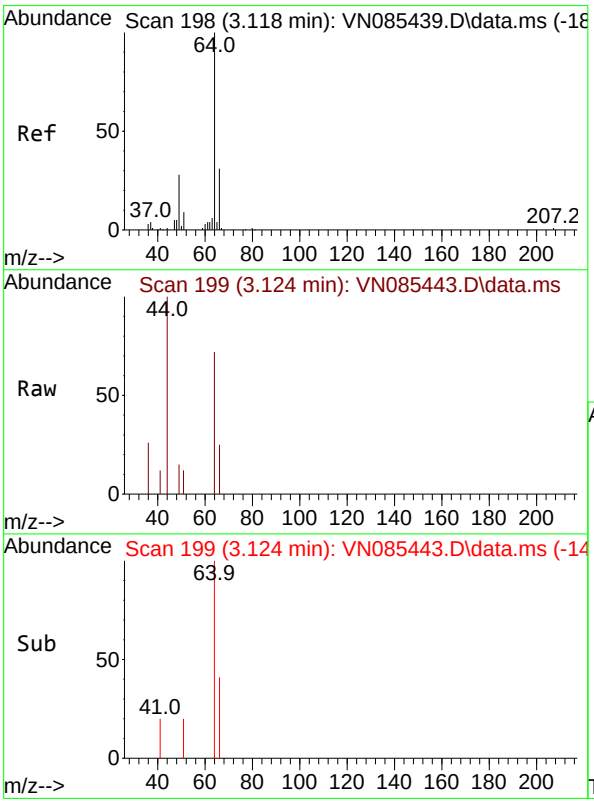
#5
Bromomethane
Concen: 1.534 ug/l
RT: 2.971 min Scan# 1
Delta R.T. 0.018 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 94 Resp: 2279

Ion	Ratio	Lower	Upper
94	100		
96	92.9	71.8	107.6

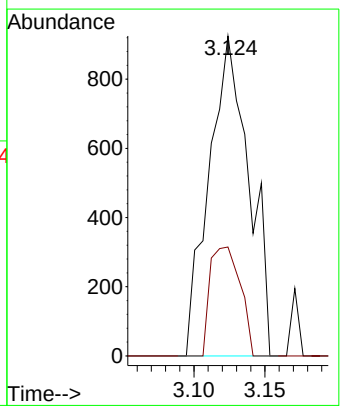


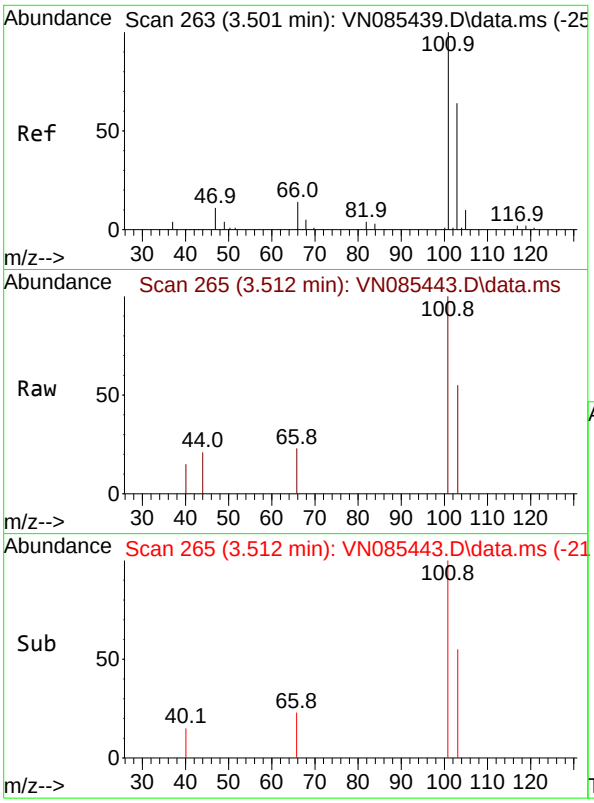


#6
Chloroethane
Concen: 1.160 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 64 Resp: 1809

Ion	Ratio	Lower	Upper
64	100		
66	34.1	24.6	36.8



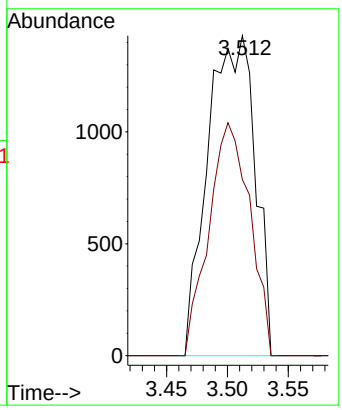


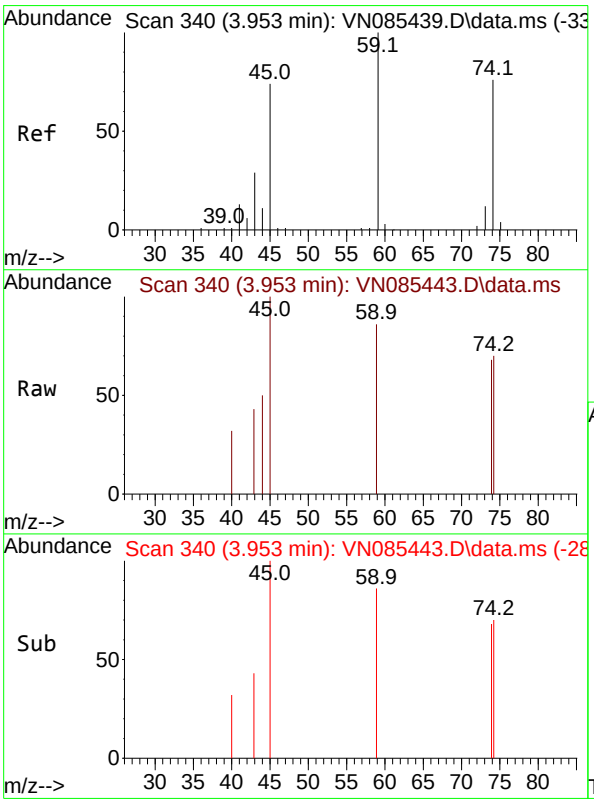
#7
Trichlorofluoromethane
Concen: 1.082 ug/l
RT: 3.512 min Scan# 2
Delta R.T. 0.012 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 3860

Ion	Ratio	Lower	Upper
101	100		
103	55.0	51.4	77.2

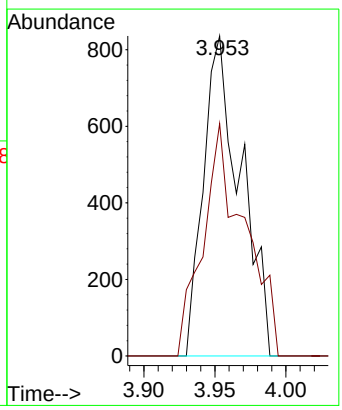


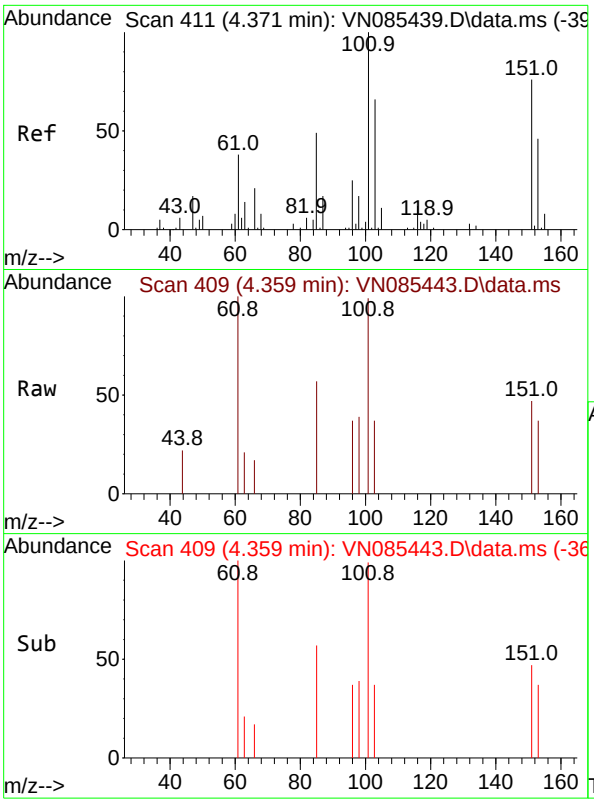


#8
Diethyl Ether
Concen: 1.238 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 74 Resp: 1526

Ion	Ratio	Lower	Upper
74	100		
45	80.9	49.7	149.1



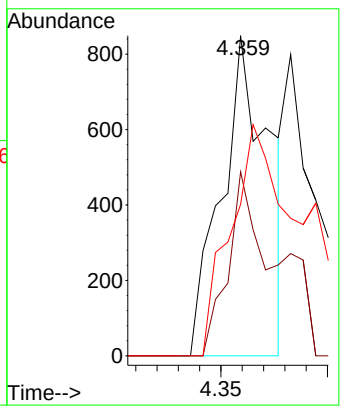


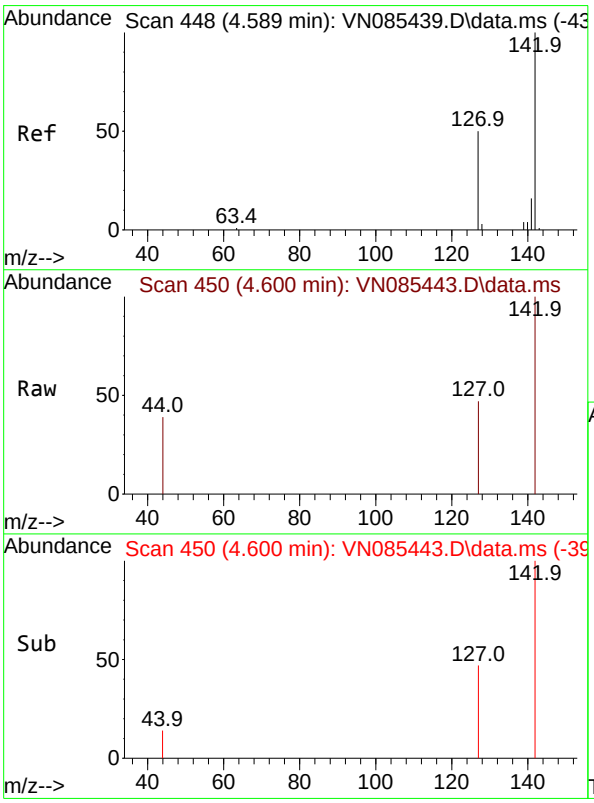
#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.651 ug/l
RT: 4.359 min Scan# 4(
Delta R.T. -0.012 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 1308

Ion	Ratio	Lower	Upper
101	100		
85	58.3	37.8	56.8#
151	109.4	58.8	88.2#

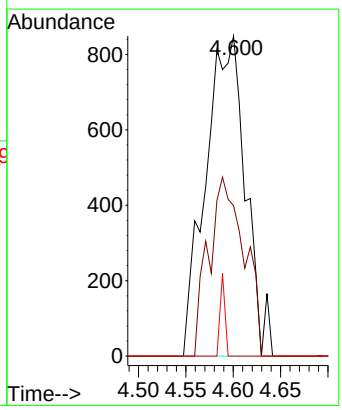


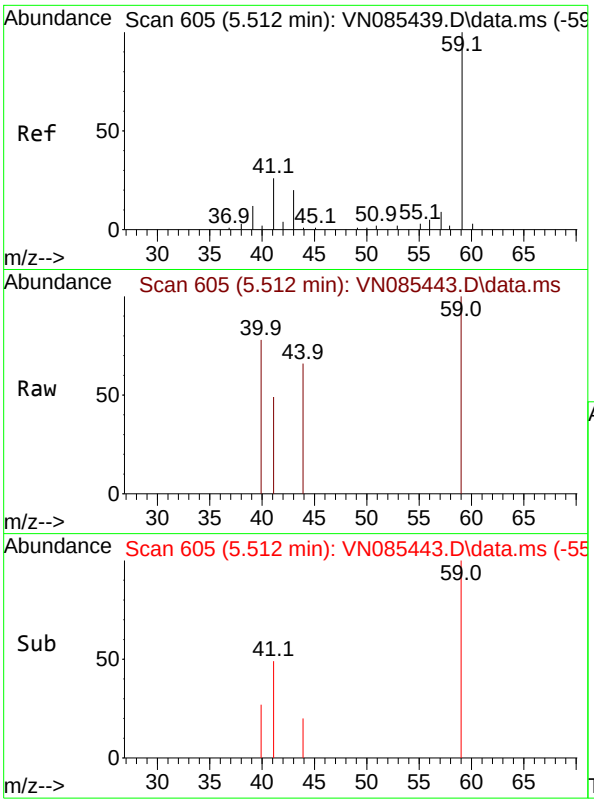


#10
Methyl Iodide
Concen: 1.077 ug/l
RT: 4.600 min Scan# 450
Delta R.T. 0.012 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion:142 Resp: 2478

Ion	Ratio	Lower	Upper
142	100		
127	47.0	40.3	60.5
141	0.0	12.8	19.2#



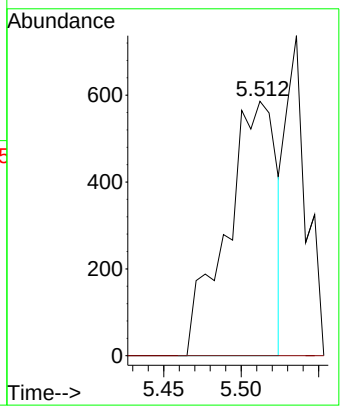


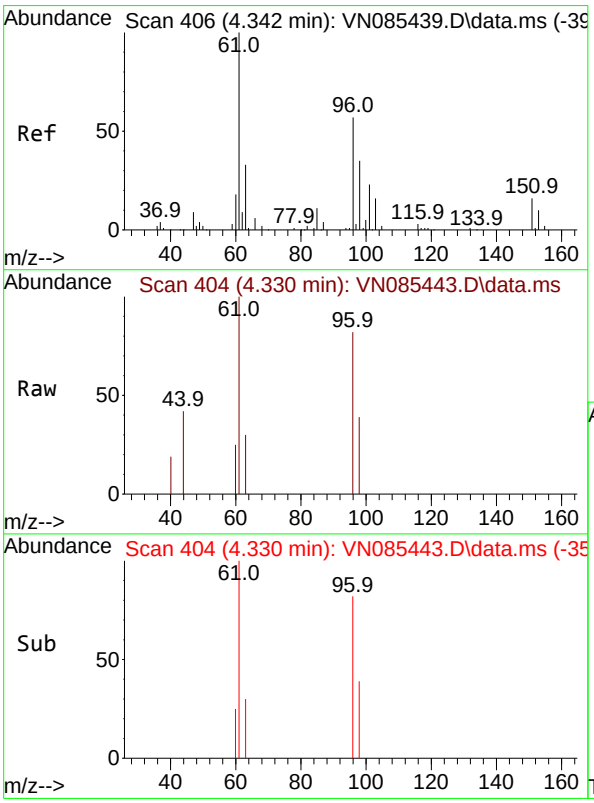
#11
Tert butyl alcohol
Concen: 4.260 ug/l
RT: 5.512 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 1314

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.6	13.0#

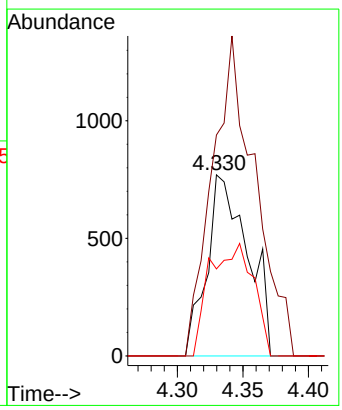


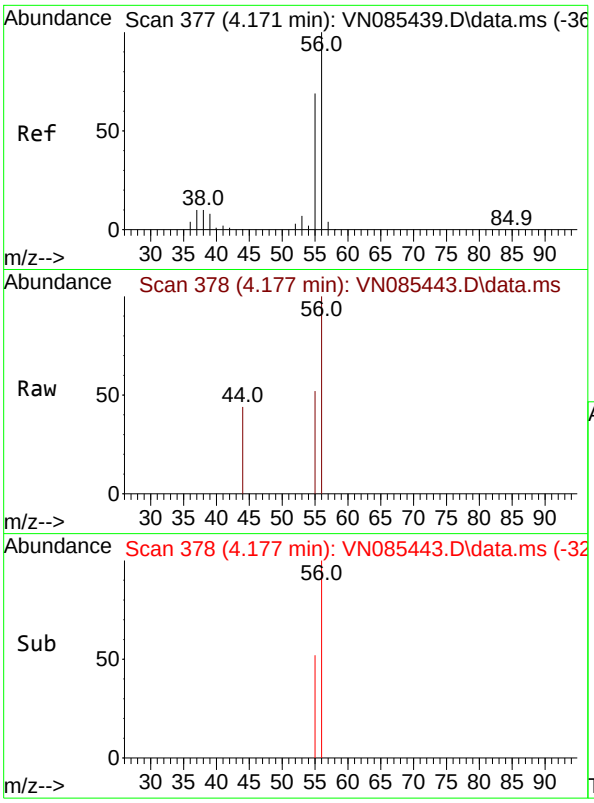


#12
1,1-Dichloroethene
Concen: 0.927 ug/l
RT: 4.330 min Scan# 404
Delta R.T. -0.012 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 96 Resp: 1660

Ion	Ratio	Lower	Upper
96	100		
61	122.1	141.0	211.4#
98	48.1	49.0	73.6#



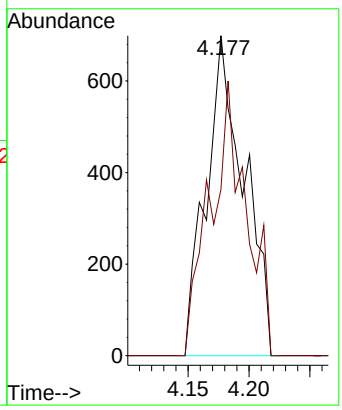


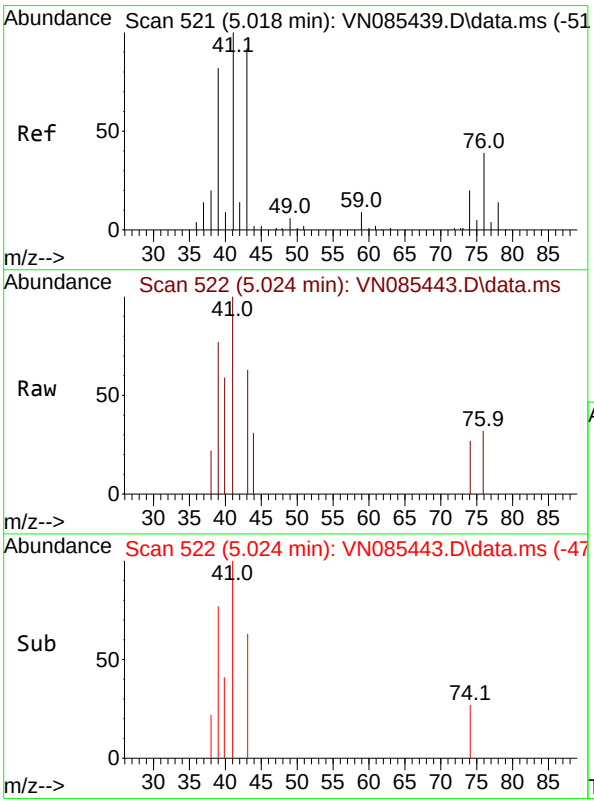
#13
Acrolein
Concen: 3.586 ug/l
RT: 4.177 min Scan# 3
Delta R.T. 0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 1510

Ion	Ratio	Lower	Upper
56	100		
55	81.8	56.3	84.5

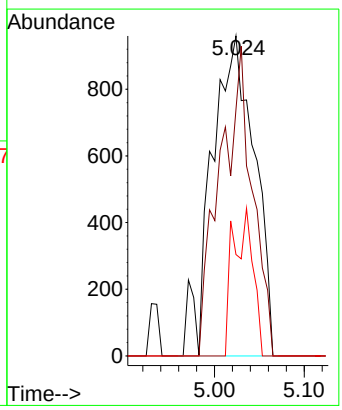


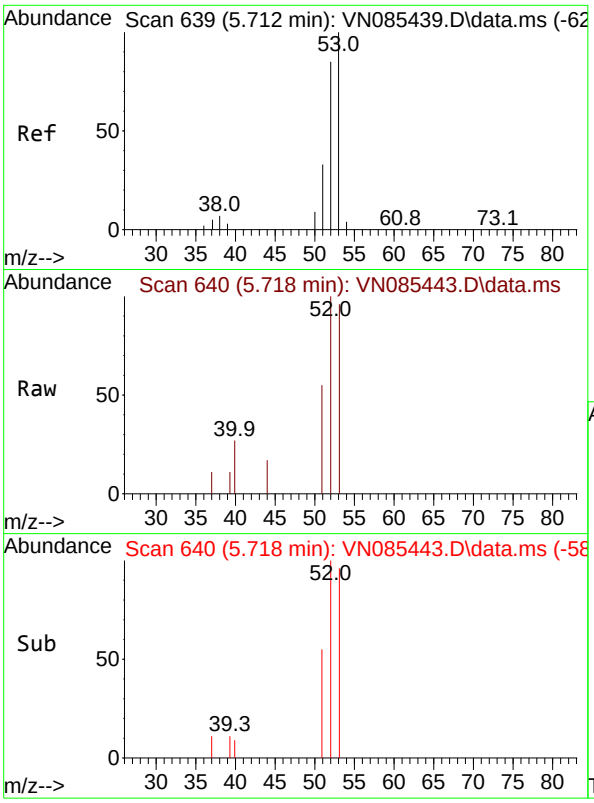


#14
Allyl chloride
Concen: 1.094 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 41 Resp: 3179

Ion	Ratio	Lower	Upper
41	100		
39	73.1	64.4	96.6
76	21.4	30.5	45.7#



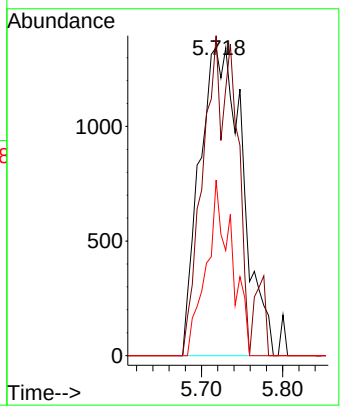


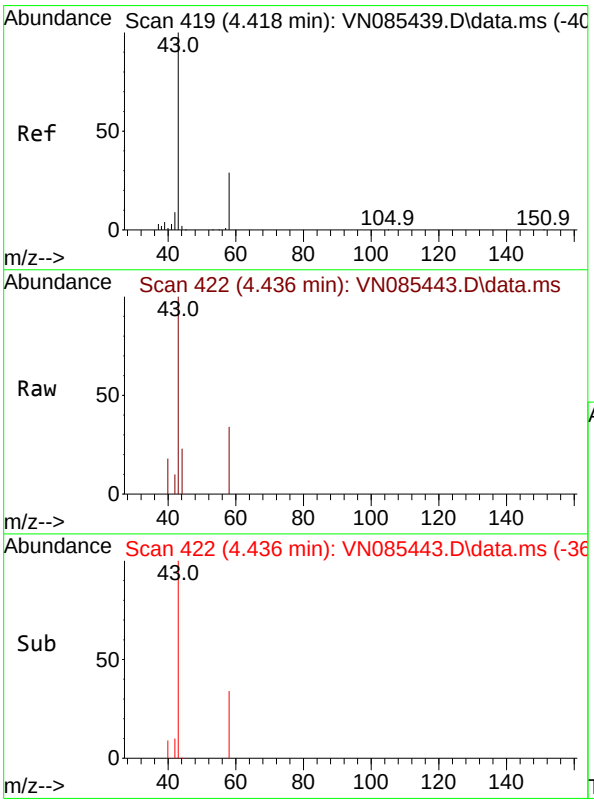
#15
Acrylonitrile
Concen: 5.070 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 53 Resp: 4967

Ion	Ratio	Lower	Upper
53	100		
52	45.1	65.5	98.3#
51	33.3	29.8	44.8

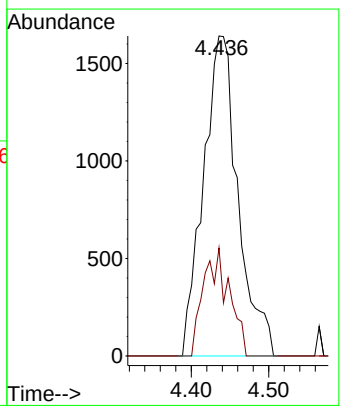


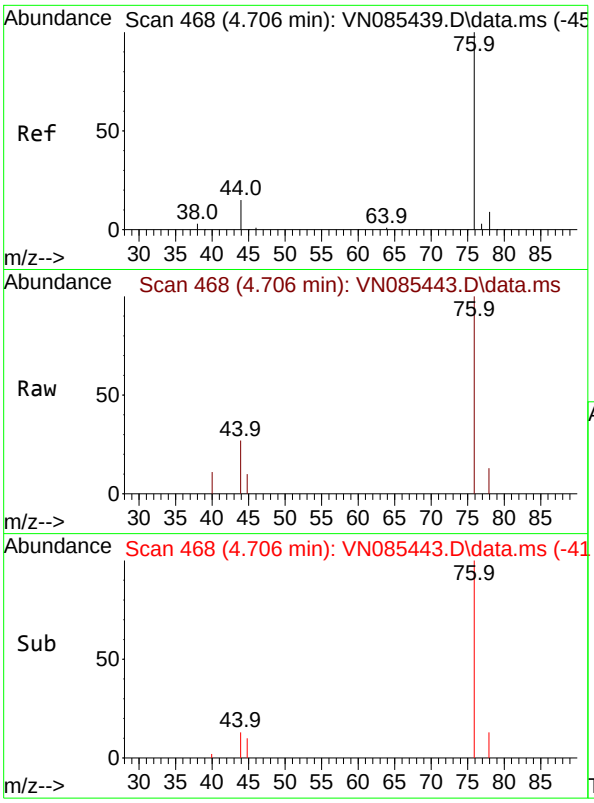


#16
Acetone
Concen: 5.862 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.018 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 43 Resp: 5102

Ion	Ratio	Lower	Upper
43	100		
58	33.8	23.8	35.6



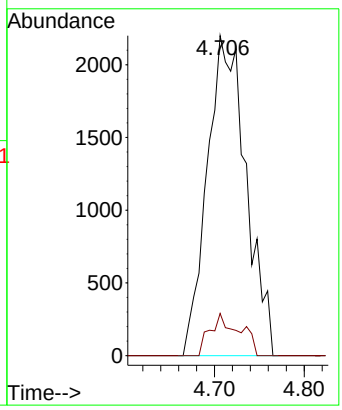


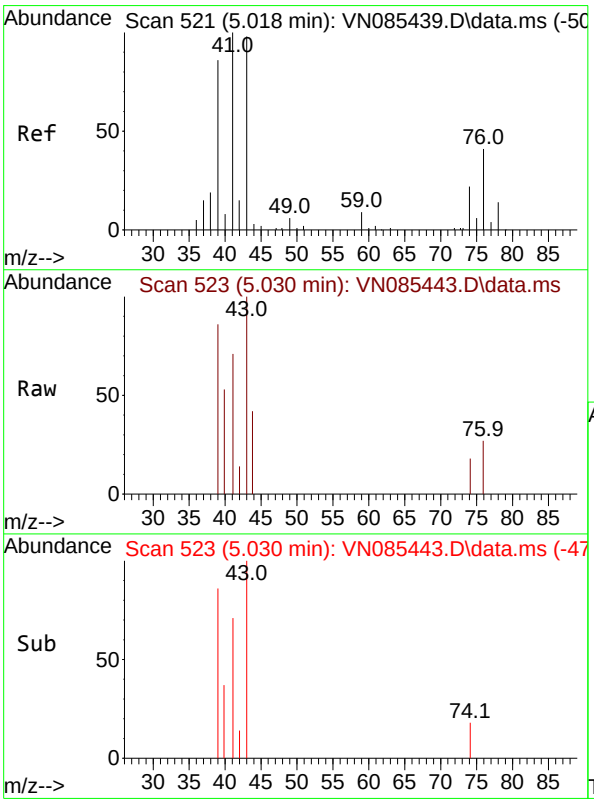
#17
Carbon Disulfide
Concen: 1.197 ug/l
RT: 4.706 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 6601

Ion	Ratio	Lower	Upper
76	100		
78	13.2	6.9	10.3#

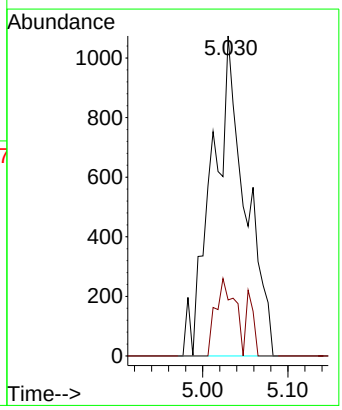


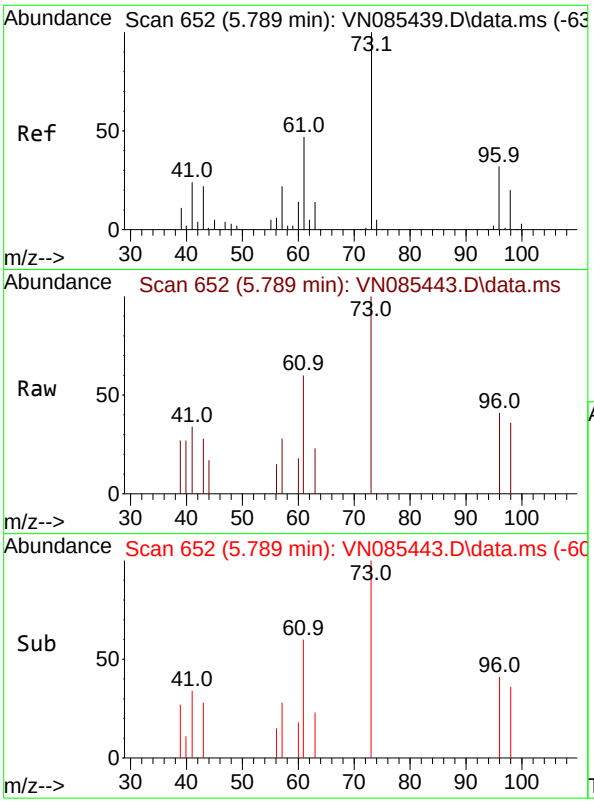


#18
Methyl Acetate
Concen: 1.099 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 43 Resp: 2908

Ion	Ratio	Lower	Upper
43	100		
74	13.8	18.6	28.0#



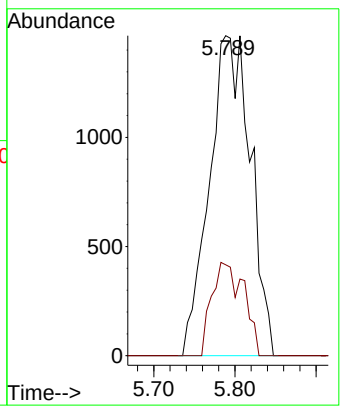


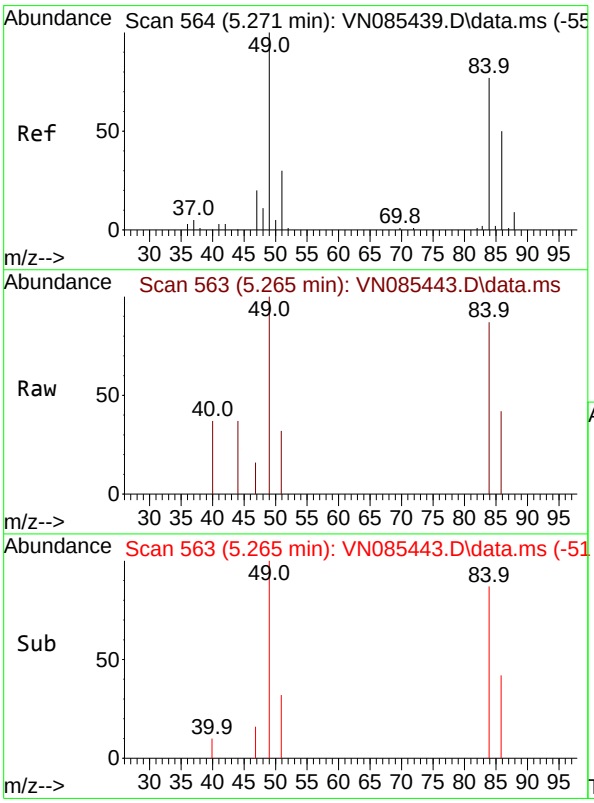
#19
Methyl tert-butyl Ether
Concen: 0.887 ug/l
RT: 5.789 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 73 Resp: 5156

Ion	Ratio	Lower	Upper
73	100		
57	28.4	17.8	26.8#

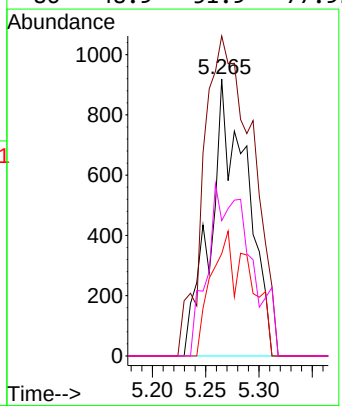


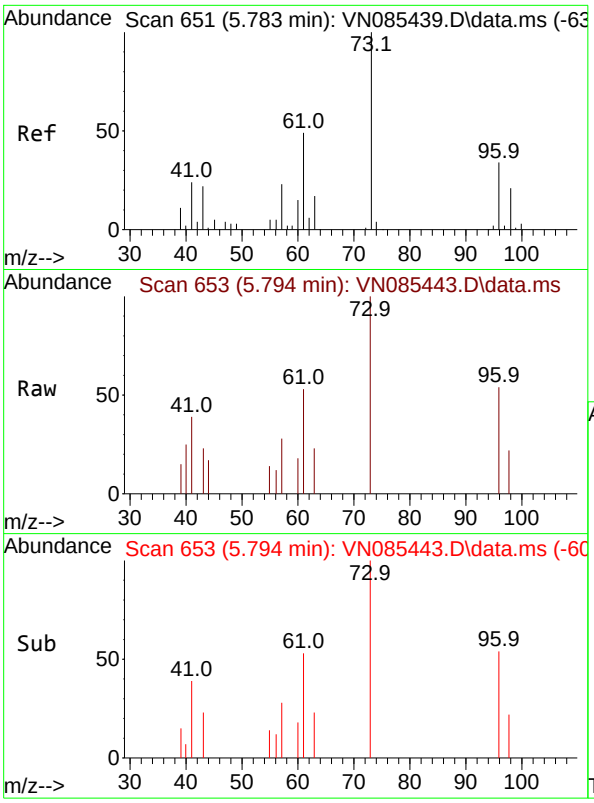


#20
Methylene Chloride
Concen: 1.016 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 84 Resp: 2190

Ion	Ratio	Lower	Upper
84	100		
49	115.6	104.1	156.1
51	36.9	31.0	46.4
86	48.9	51.9	77.9#



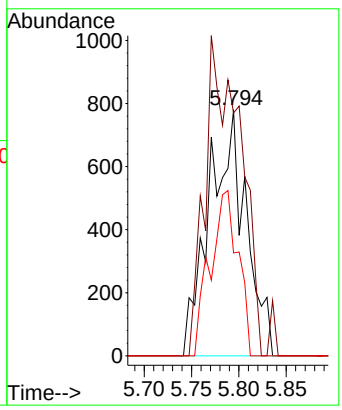


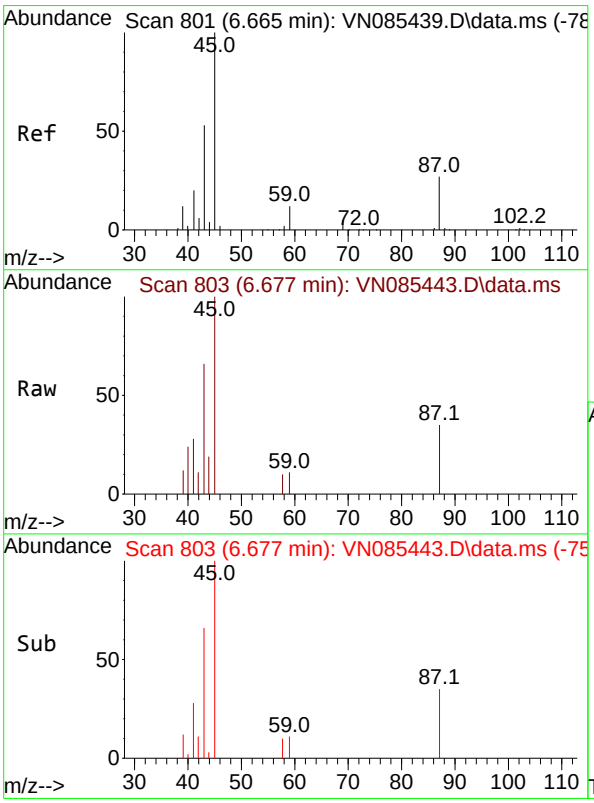
#21
trans-1,2-Dichloroethene
Concen: 1.102 ug/l
RT: 5.794 min Scan# 6
Delta R.T. 0.012 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 2110

Ion	Ratio	Lower	Upper
96	100		
61	98.7	115.7	173.5#
98	41.8	49.8	74.8#

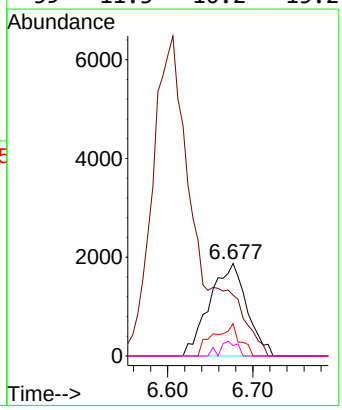


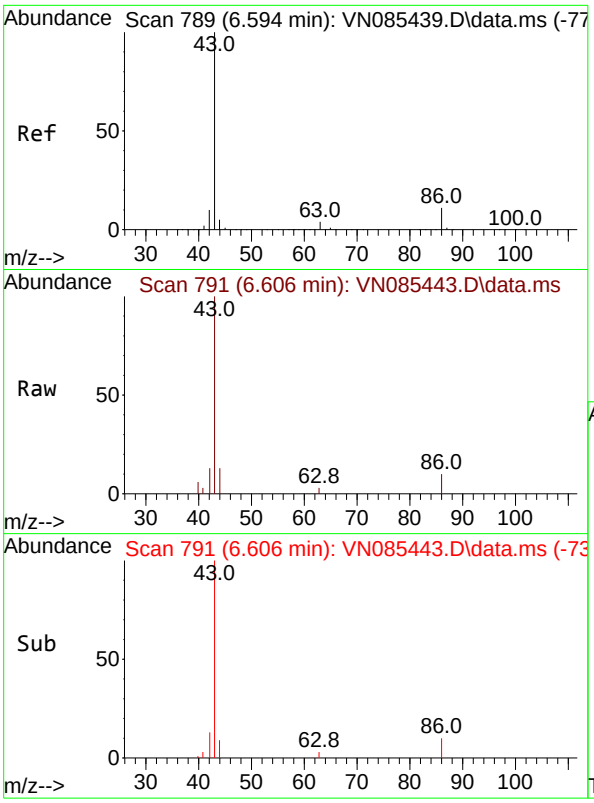


#22
Diisopropyl ether
Concen: 0.882 ug/l
RT: 6.677 min Scan# 803
Delta R.T. 0.012 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 45 Resp: 5691

Ion	Ratio	Lower	Upper
45	100		
43	65.9	45.0	67.6
87	35.0	21.8	32.8#
59	11.3	10.2	15.2



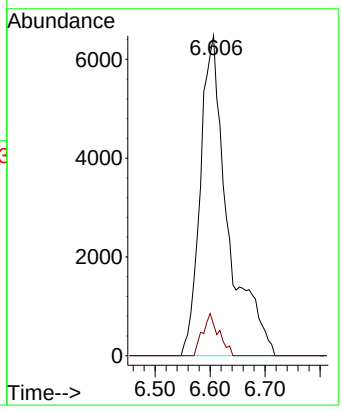


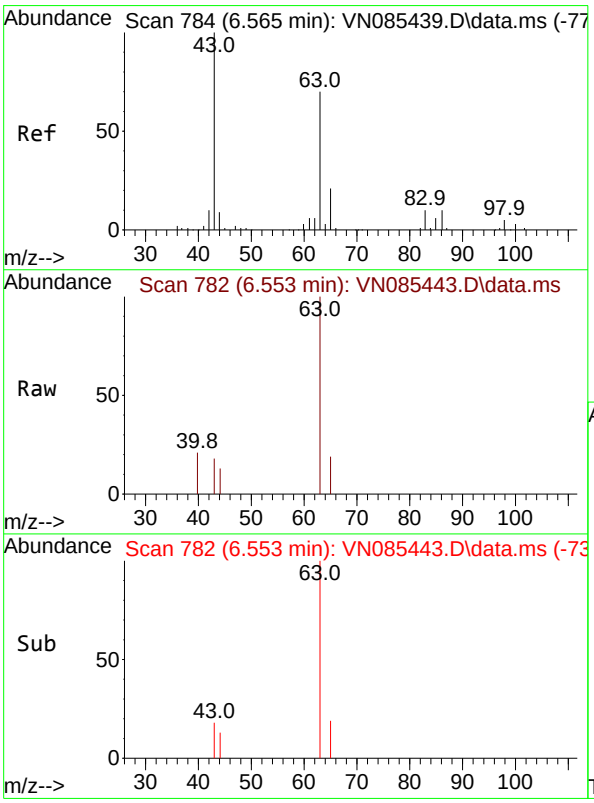
#23
Vinyl Acetate
Concen: 4.988 ug/l
RT: 6.606 min Scan# 7
Delta R.T. 0.012 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 22593

Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.4	12.6

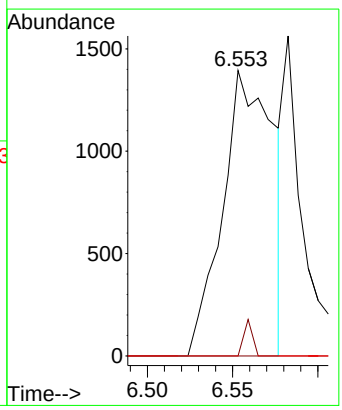


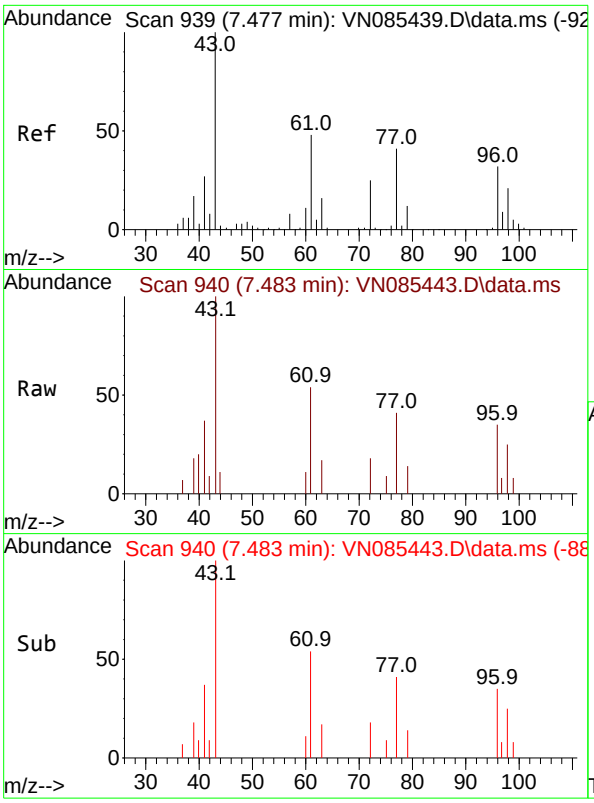


#24
1,1-Dichloroethane
Concen: 0.730 ug/l
RT: 6.553 min Scan# 782
Delta R.T. -0.012 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 63 Resp: 2873

Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.3	9.8#
100	0.0	2.0	6.0#



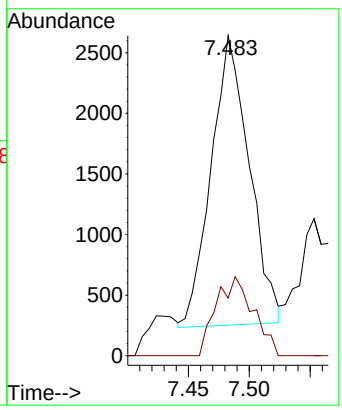


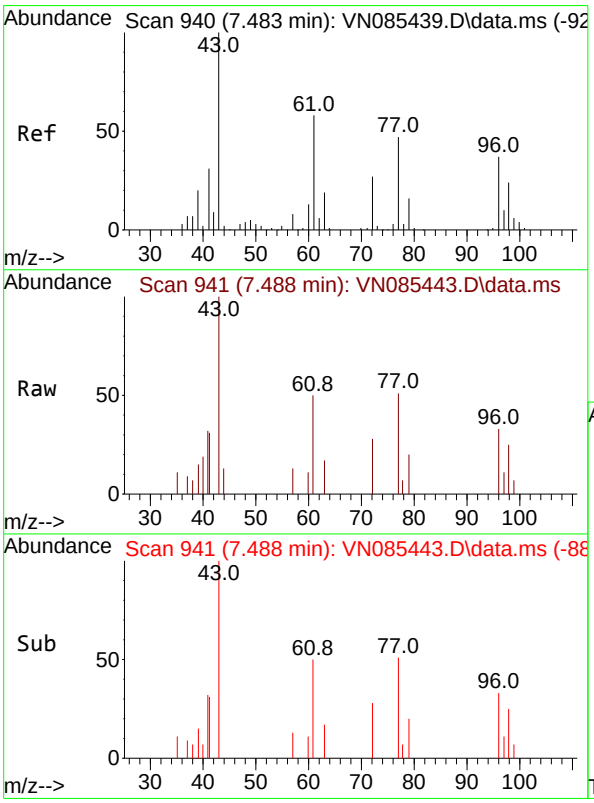
#25
2-Butanone
Concen: 4.062 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 5203

Ion	Ratio	Lower	Upper
43	100		
72	20.1	20.2	30.4#

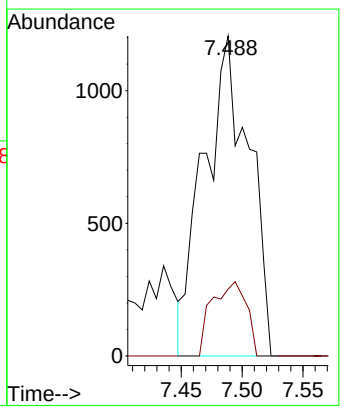


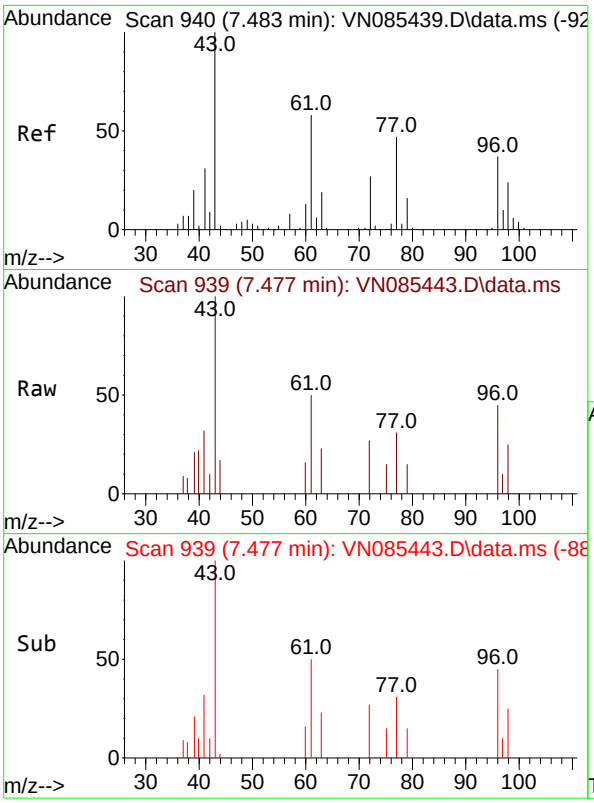


#26
2,2-Dichloropropane
Concen: 0.976 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 77 Resp: 3104

Ion	Ratio	Lower	Upper
77	100		
97	17.7	10.7	32.1



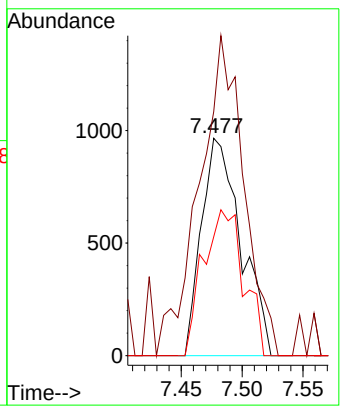


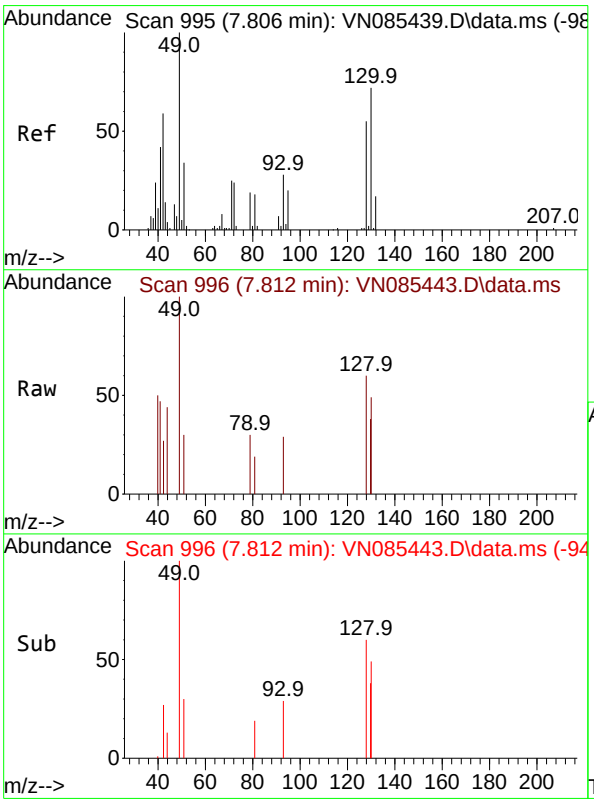
#27
cis-1,2-Dichloroethene
Concen: 0.969 ug/l
RT: 7.477 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 2185

Ion	Ratio	Lower	Upper
96	100		
61	166.1	0.0	311.8
98	68.7	0.0	126.0

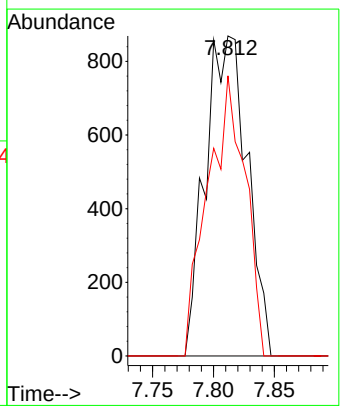


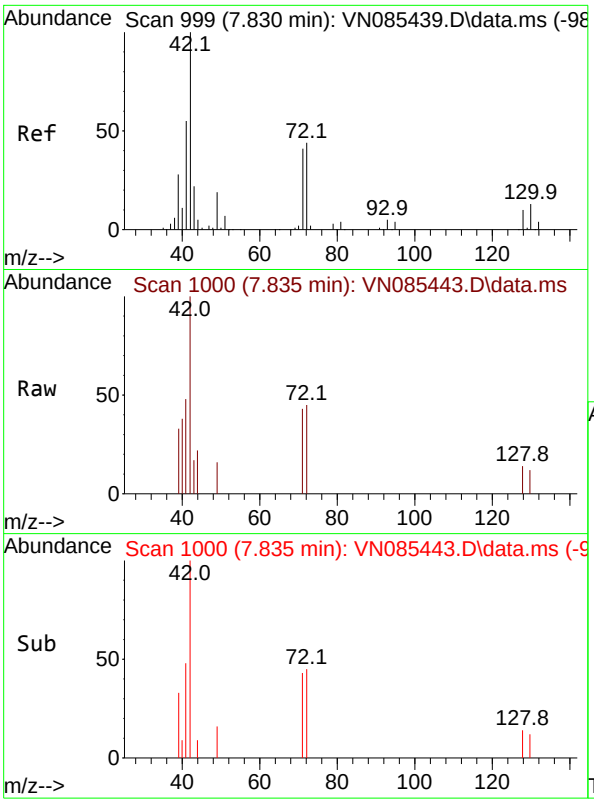


#28
Bromochloromethane
Concen: 1.138 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 49 Resp: 2082

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.4
130	78.0	55.0	82.4



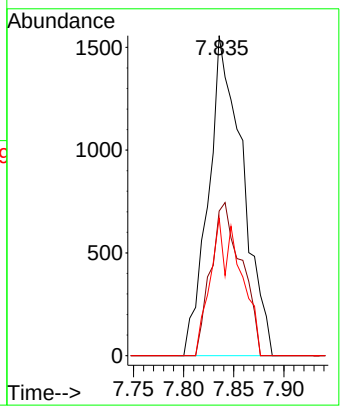


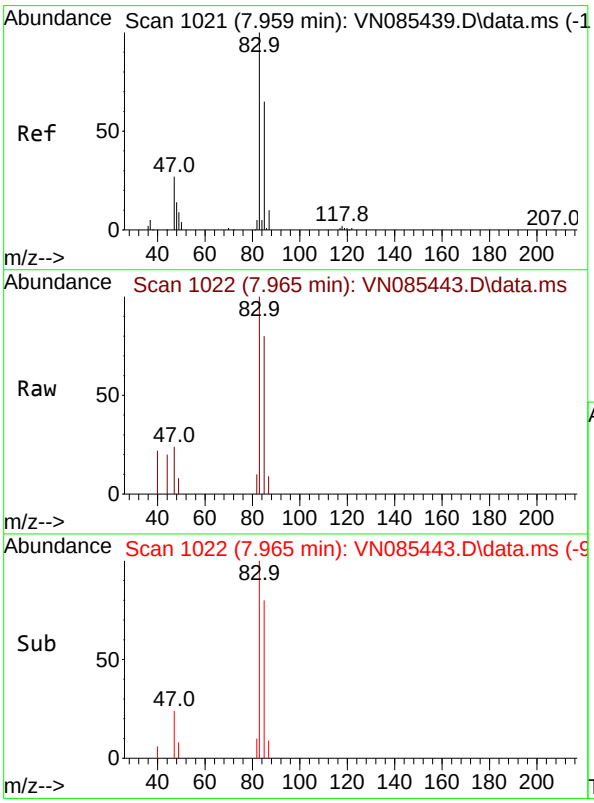
#29
Tetrahydrofuran
Concen: 4.548 ug/l
RT: 7.835 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 42 Resp: 3693

Ion	Ratio	Lower	Upper
42	100		
72	43.1	34.2	51.2
71	37.9	32.5	48.7

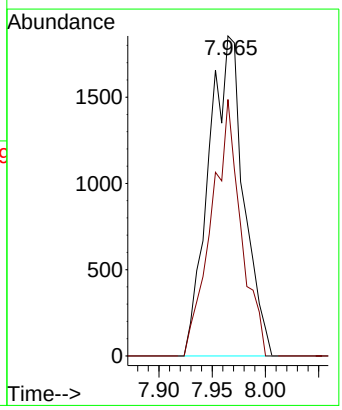


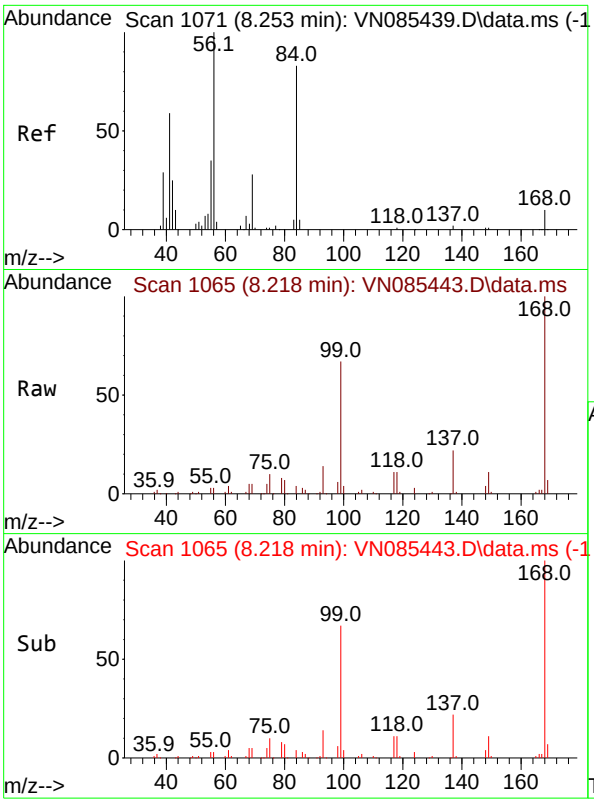


#30
Chloroform
Concen: 1.045 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 83 Resp: 4250

Ion	Ratio	Lower	Upper
83	100		
85	80.2	51.8	77.6#



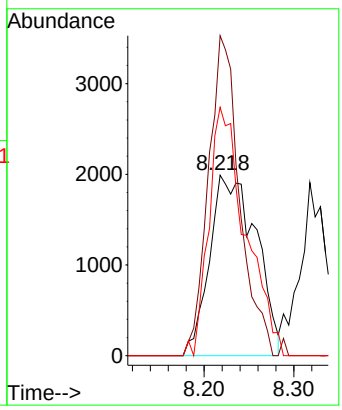


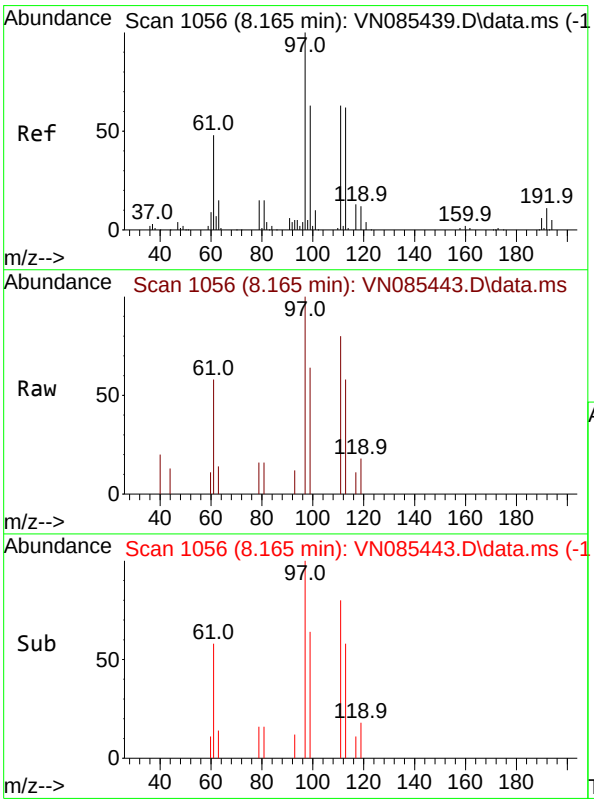
#31
Cyclohexane
Concen: 2.092 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.035 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 7152

Ion	Ratio	Lower	Upper
56	100		
69	177.3	22.2	33.4#
84	137.6	66.4	99.6#

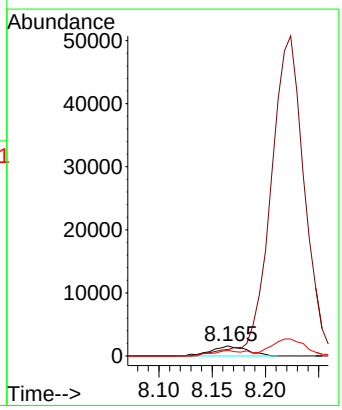


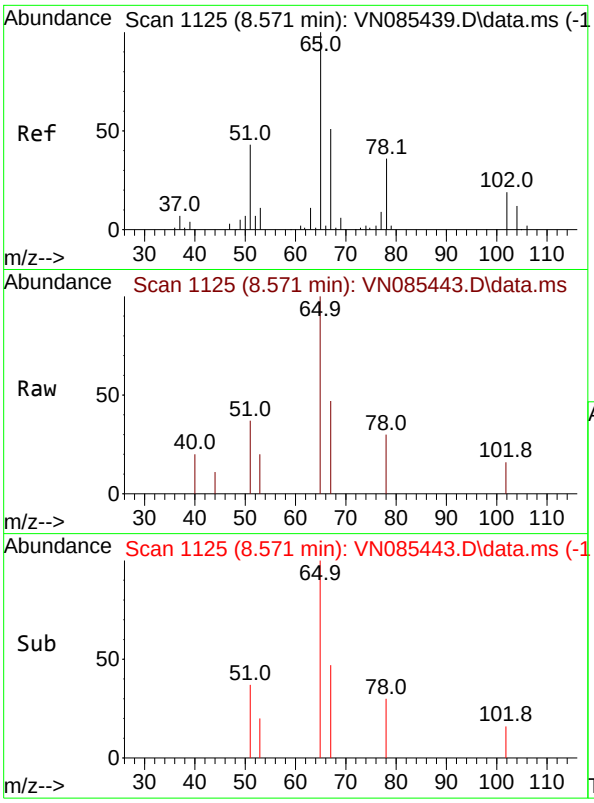


#32
1,1,1-Trichloroethane
Concen: 1.031 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 97 Resp: 3678

Ion	Ratio	Lower	Upper
97	100		
99	0.0	49.8	74.6#
61	52.2	41.4	62.2



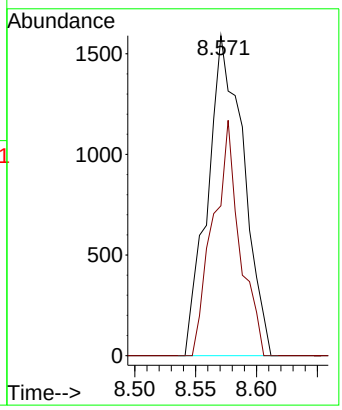


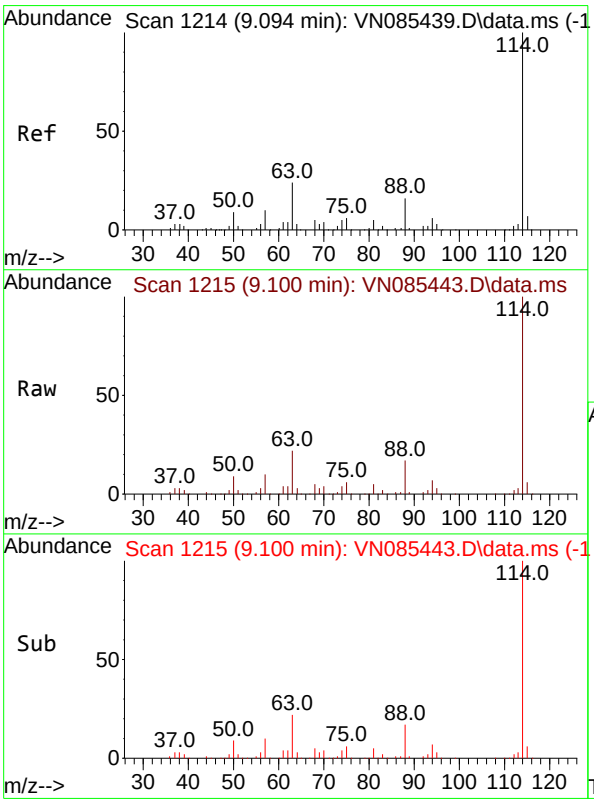
#33
1,2-Dichloroethane-d4
Concen: 1.215 ug/l
RT: 8.571 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 65 Resp: 3273

Ion	Ratio	Lower	Upper
65	100		
67	54.5	0.0	101.6

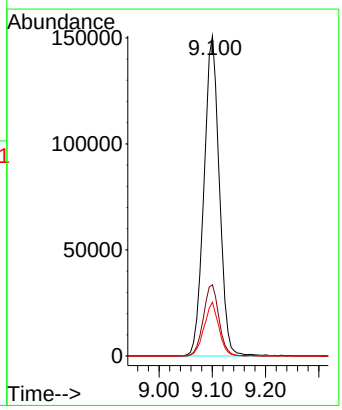


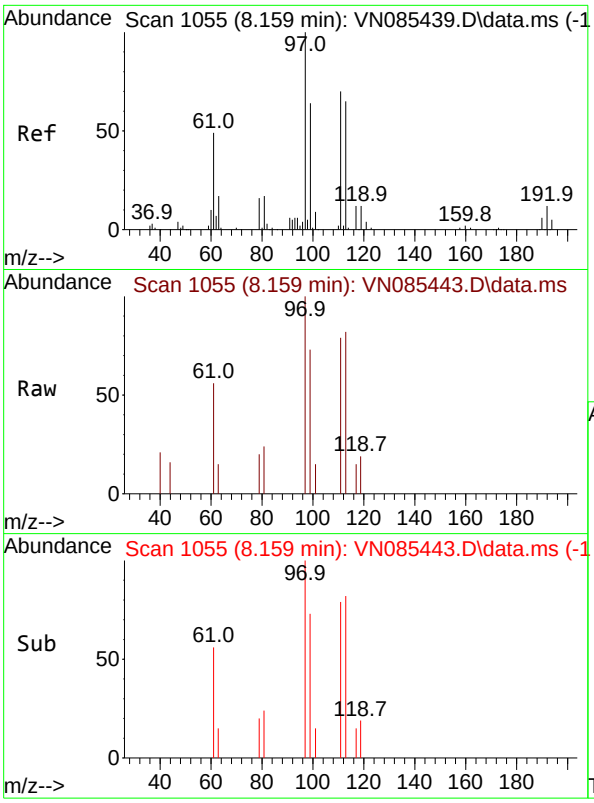


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion:114 Resp: 302938

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	47.6
88	16.8	0.0	32.6



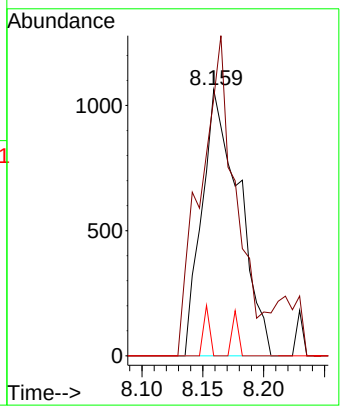


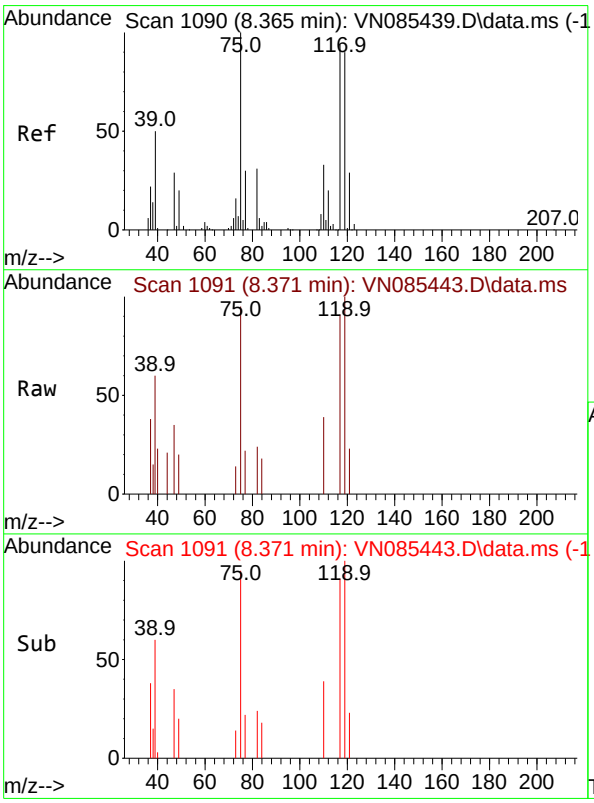
#35
Dibromofluoromethane
Concen: 1.074 ug/l
RT: 8.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:113 Resp: 2258

Ion	Ratio	Lower	Upper
113	100		
111	116.7	82.7	124.1
192	3.1	14.3	21.5#

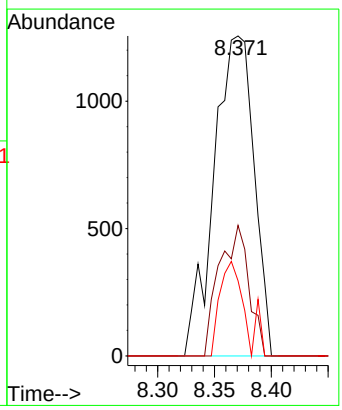


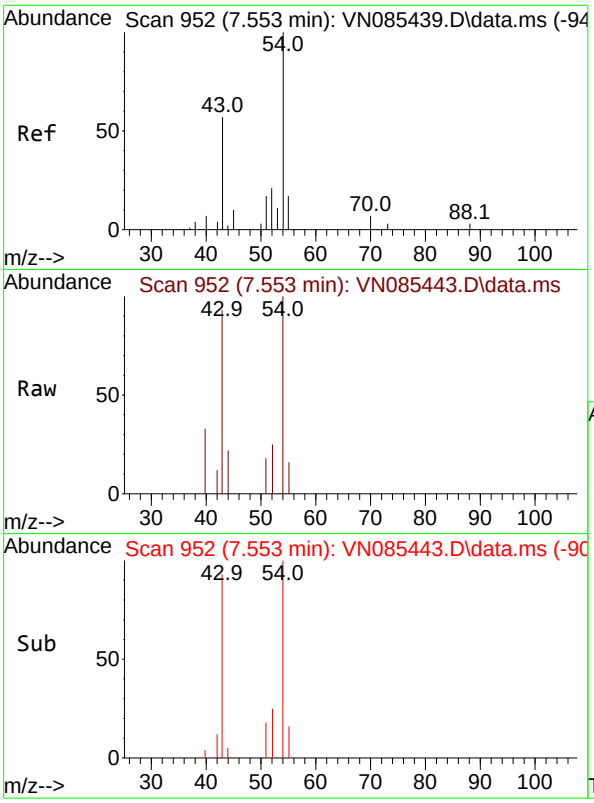


#36
1,1-Dichloropropene
Concen: 1.046 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 75 Resp: 3084

Ion	Ratio	Lower	Upper
75	100		
110	30.1	16.5	49.5
77	15.9	24.4	36.6#



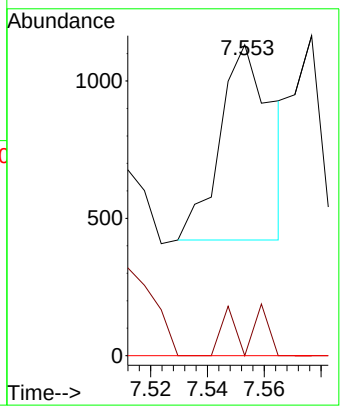


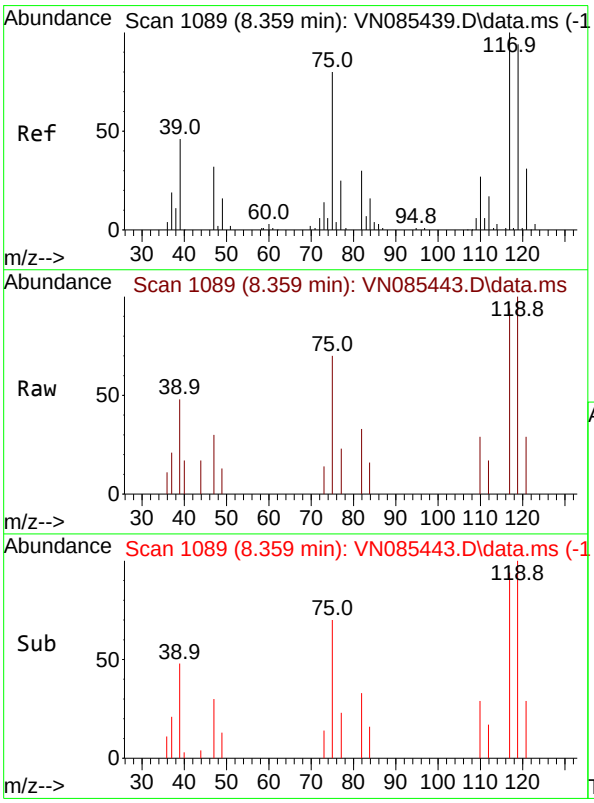
#37
Ethyl Acetate
Concen: 0.306 ug/l
RT: 7.553 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 911

Ion	Ratio	Lower	Upper
43	100		
61	14.3	10.9	16.3
70	0.0	7.5	11.3#

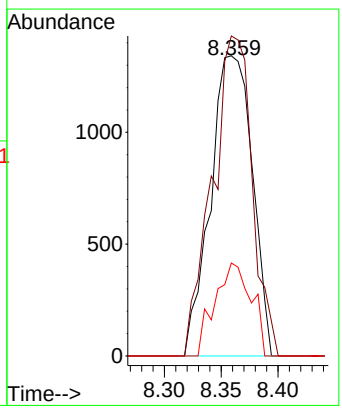


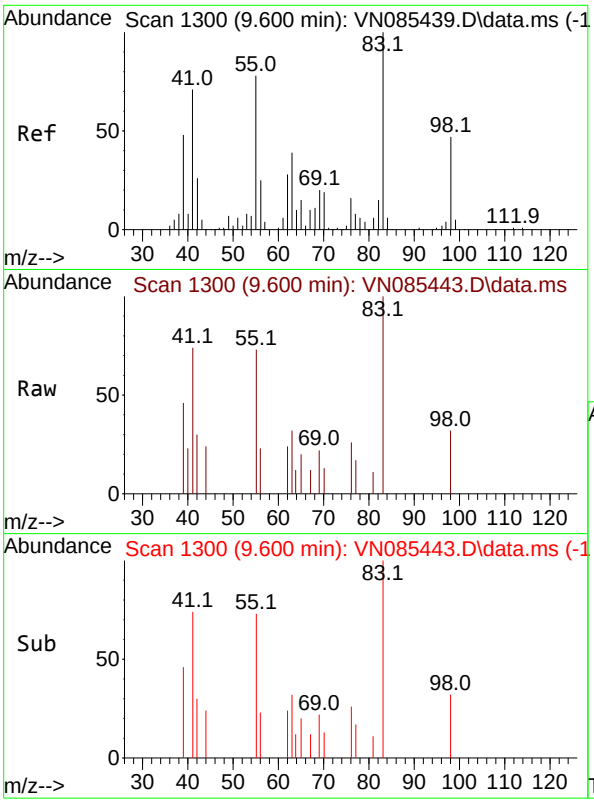


#38
Carbon Tetrachloride
Concen: 1.018 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion:117 Resp: 3436

Ion	Ratio	Lower	Upper
117	100		
119	106.6	75.4	113.2
121	31.0	24.6	37.0



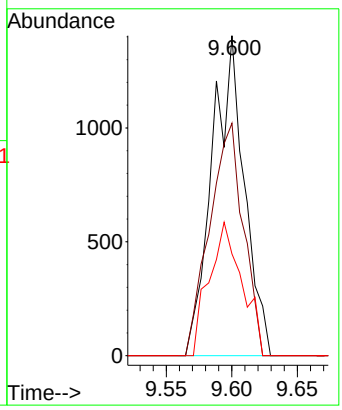


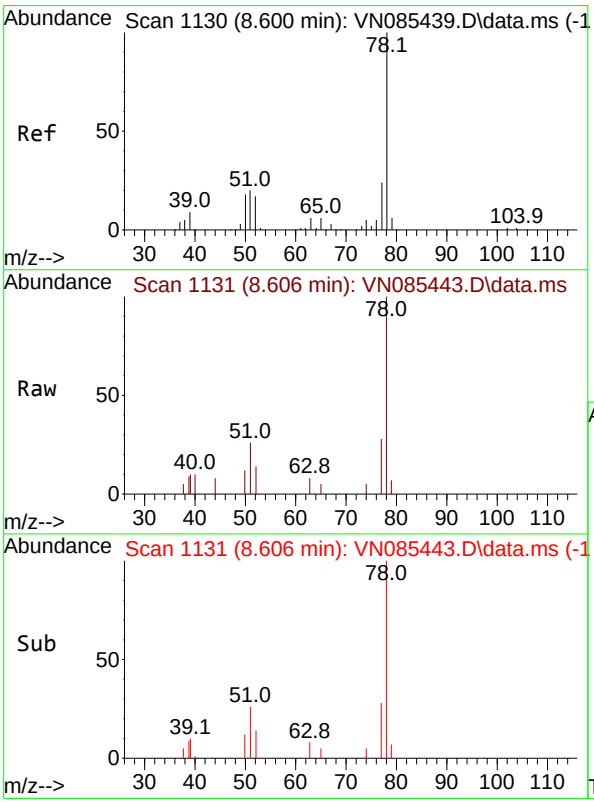
#39
Methylcyclohexane
Concen: 0.867 ug/l
RT: 9.600 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 2403

Ion	Ratio	Lower	Upper
83	100		
55	72.7	62.6	94.0
98	31.8	37.7	56.5#

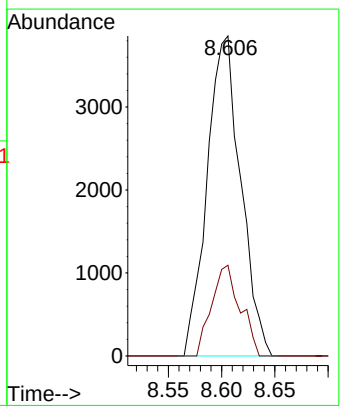


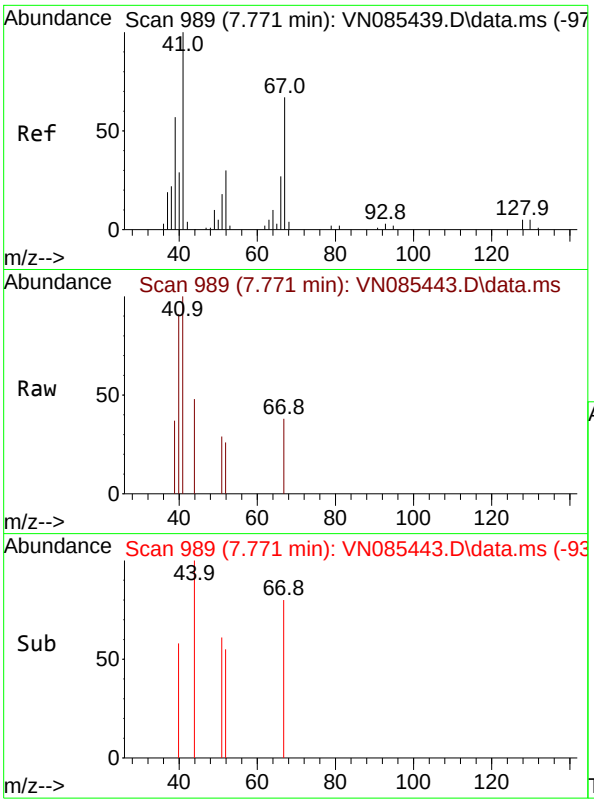


#40
Benzene
Concen: 0.957 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 78 Resp: 8480

Ion	Ratio	Lower	Upper
78	100		
77	28.3	19.0	28.6



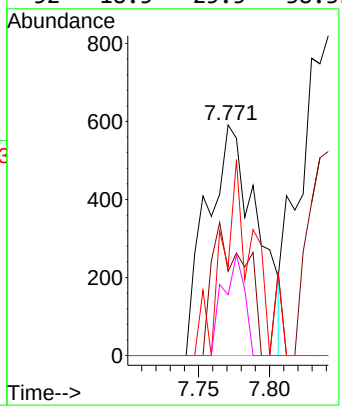


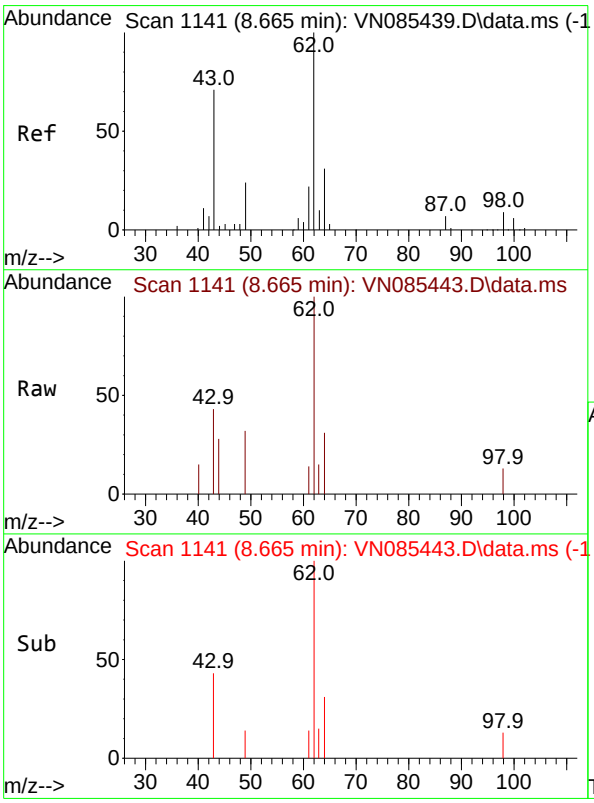
#41
Methacrylonitrile
Concen: 0.941 ug/l
RT: 7.771 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 1458

Ion	Ratio	Lower	Upper
41	100		
39	37.6	46.0	69.0#
67	53.8	57.4	86.2#
52	18.5	25.5	38.3#

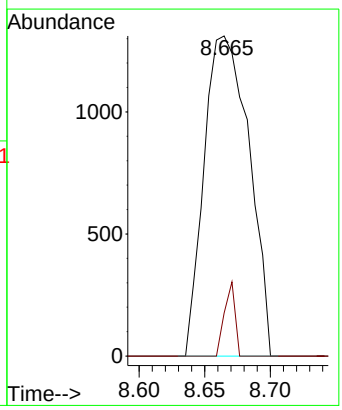


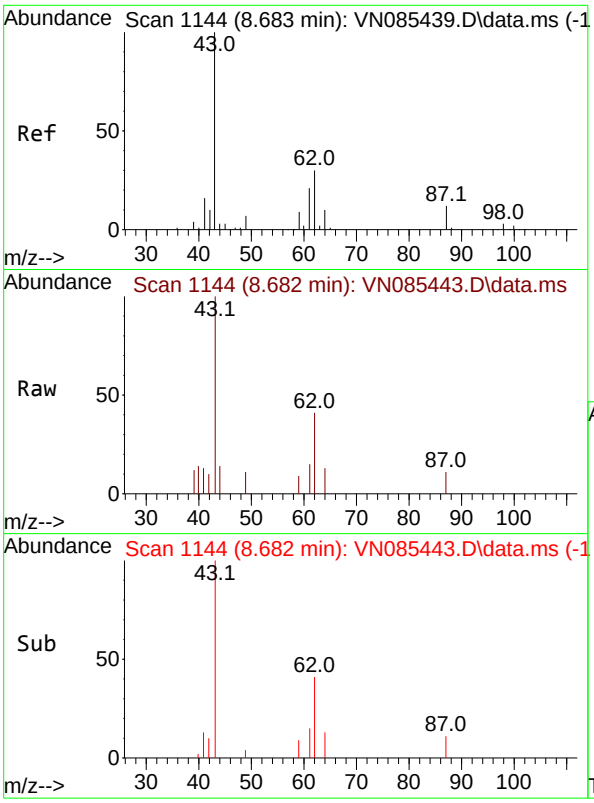


#42
1,2-Dichloroethane
Concen: 0.938 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 62 Resp: 3131

Ion	Ratio	Lower	Upper
62	100		
98	5.4	0.0	17.0



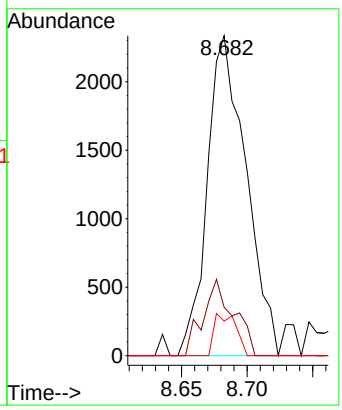


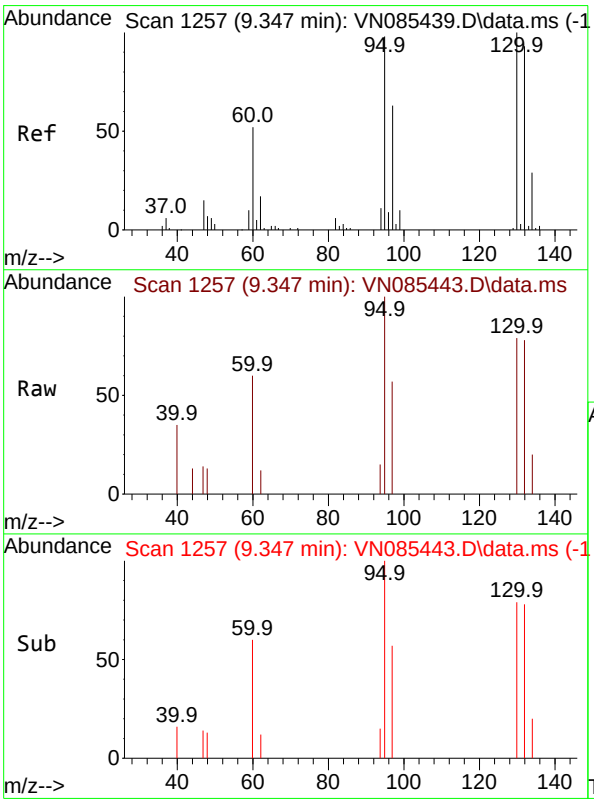
#43
Isopropyl Acetate
Concen: 1.007 ug/l
RT: 8.682 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 4803

Ion	Ratio	Lower	Upper
43	100		
61	18.9	20.7	31.1#
87	7.3	9.8	14.8#

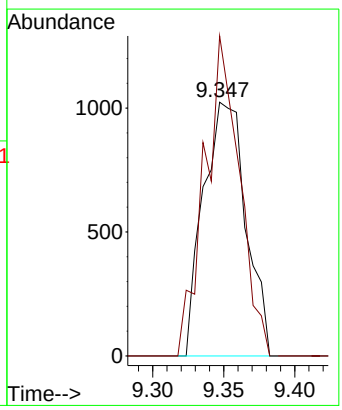


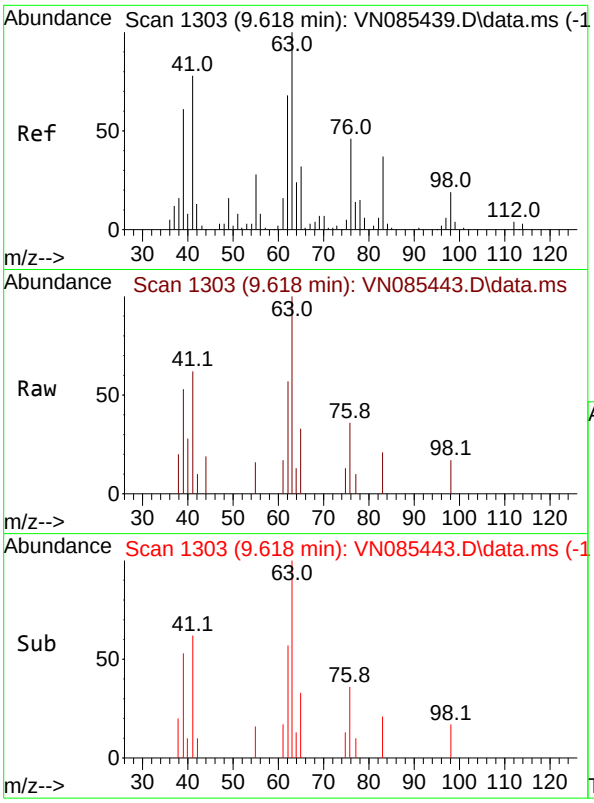


#44
Trichloroethene
Concen: 1.034 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion:130 Resp: 2133

Ion	Ratio	Lower	Upper
130	100		
95	126.1	0.0	195.8



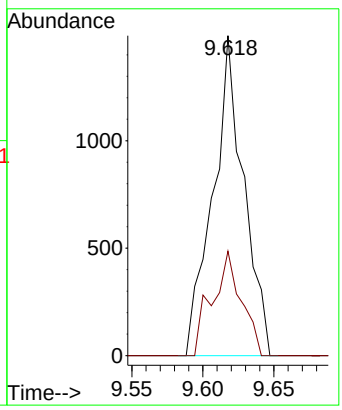


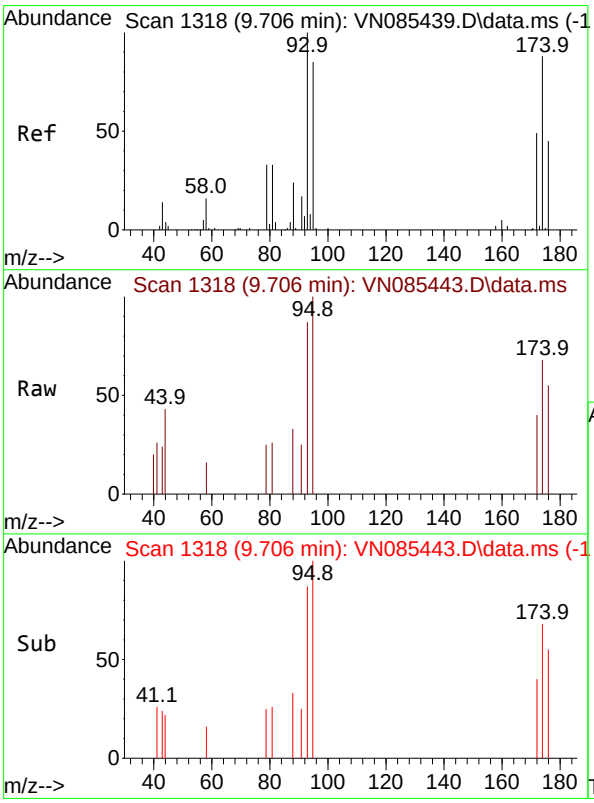
#45
1,2-Dichloropropane
Concen: 0.992 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 63 Resp: 2246

Ion	Ratio	Lower	Upper
63	100		
65	32.6	25.6	38.4

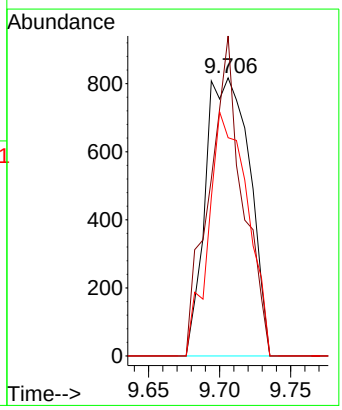


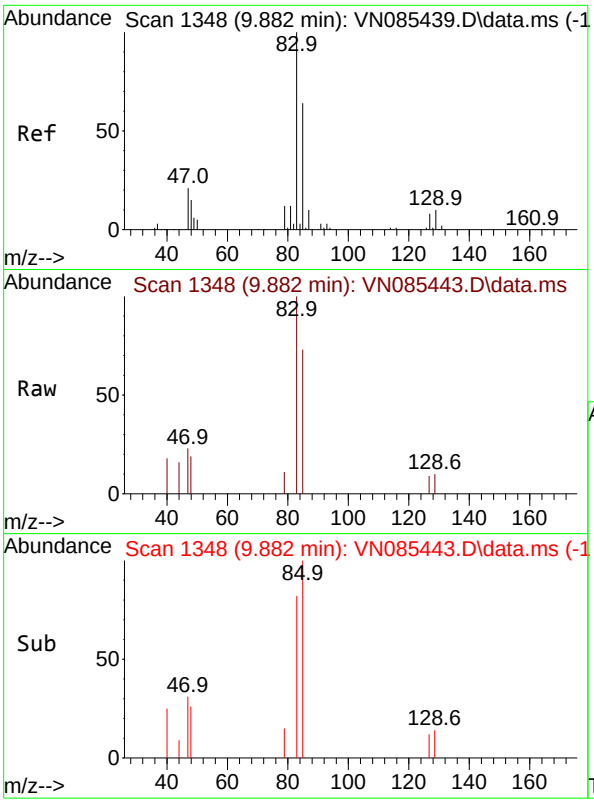


#46
Dibromomethane
Concen: 1.083 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 93 Resp: 1769

Ion	Ratio	Lower	Upper
93	100		
95	86.5	64.7	97.1
174	77.4	69.0	103.4



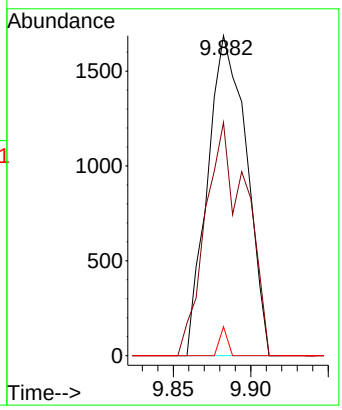


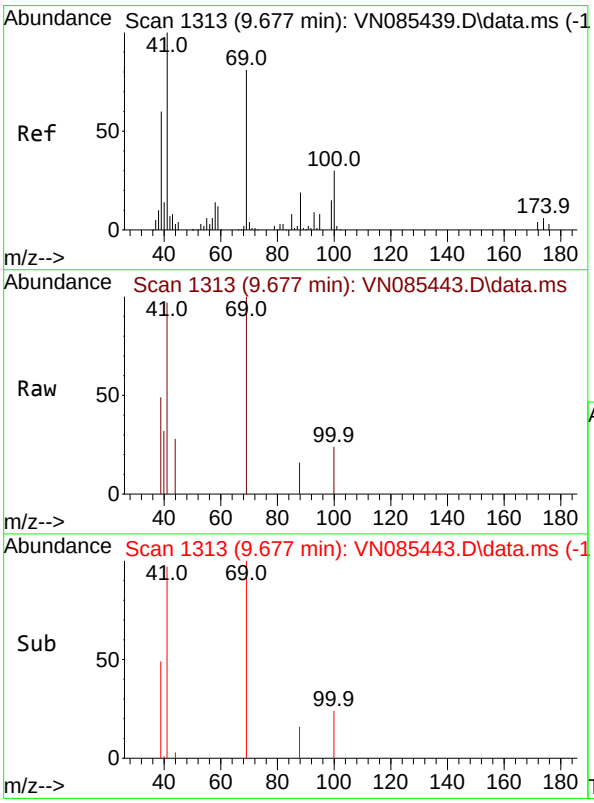
#47
Bromodichloromethane
Concen: 0.882 ug/l
RT: 9.882 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 2935

Ion	Ratio	Lower	Upper
83	100		
85	72.9	51.2	76.8
127	9.0	6.5	9.7

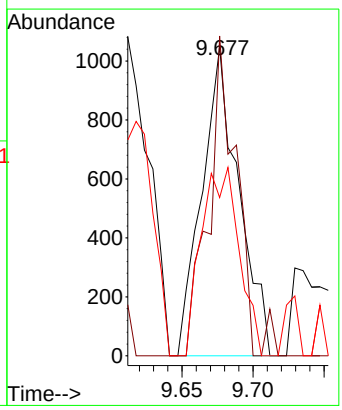


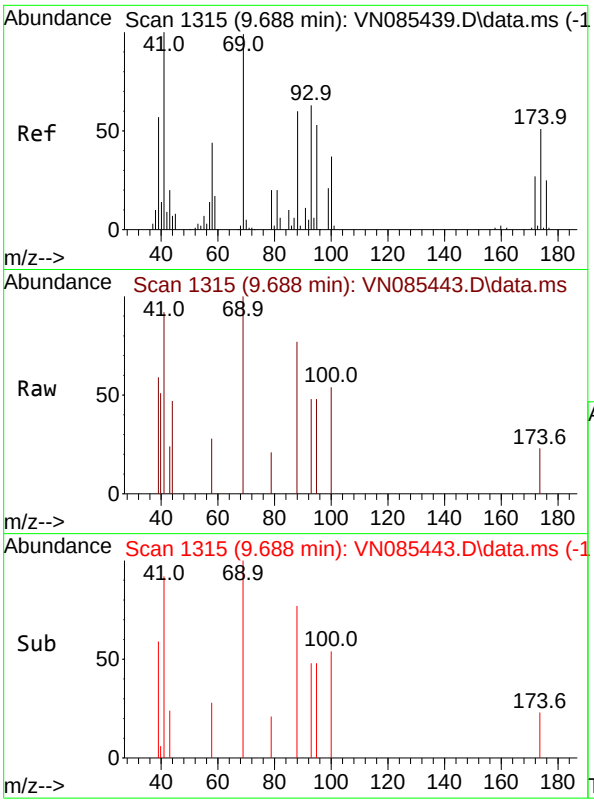


#48
Methyl methacrylate
Concen: 0.878 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 41 Resp: 1886

Ion	Ratio	Lower	Upper
41	100		
69	76.2	64.7	97.1
39	62.8	49.0	73.6



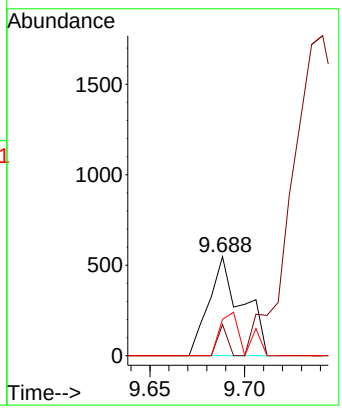


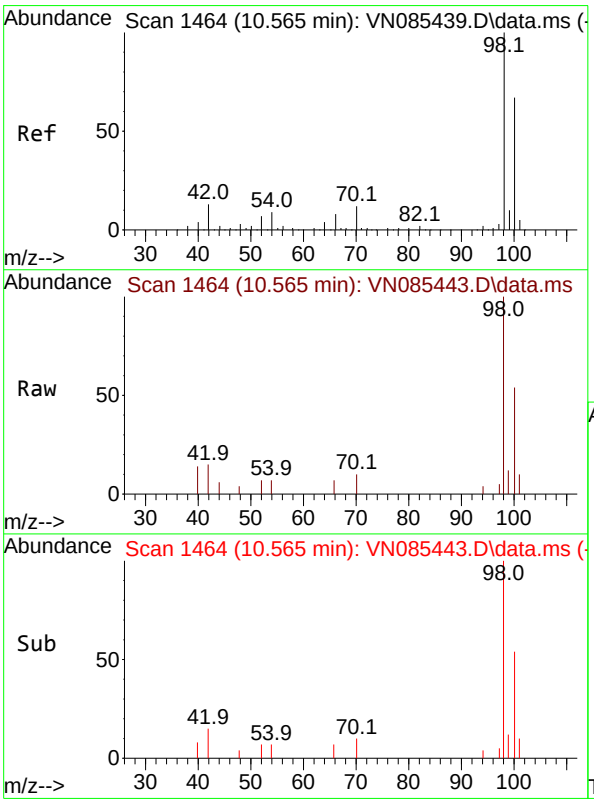
#49
1,4-Dioxane
Concen: 18.616 ug/l
RT: 9.688 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 88 Resp: 673

Ion	Ratio	Lower	Upper
88	100		
43	0.0	26.6	39.8#
58	31.1	59.5	89.3#

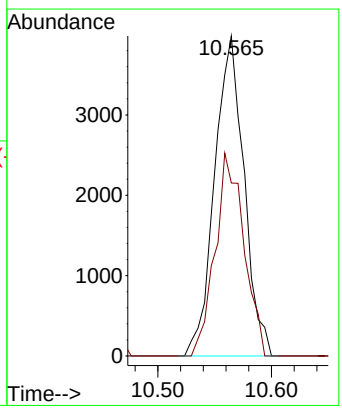


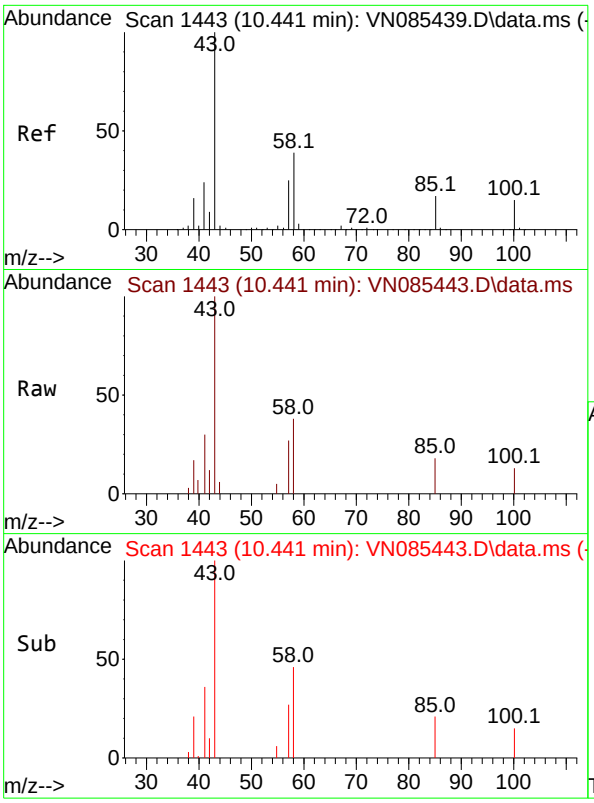


#50
Toluene-d8
Concen: 0.959 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 98 Resp: 7164

Ion	Ratio	Lower	Upper
98	100		
100	61.9	52.2	78.4



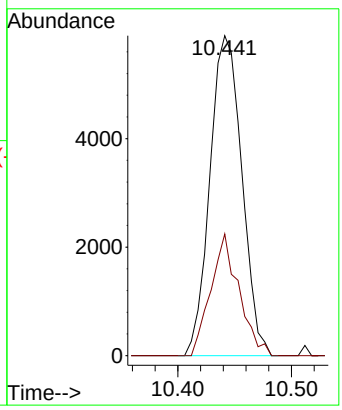


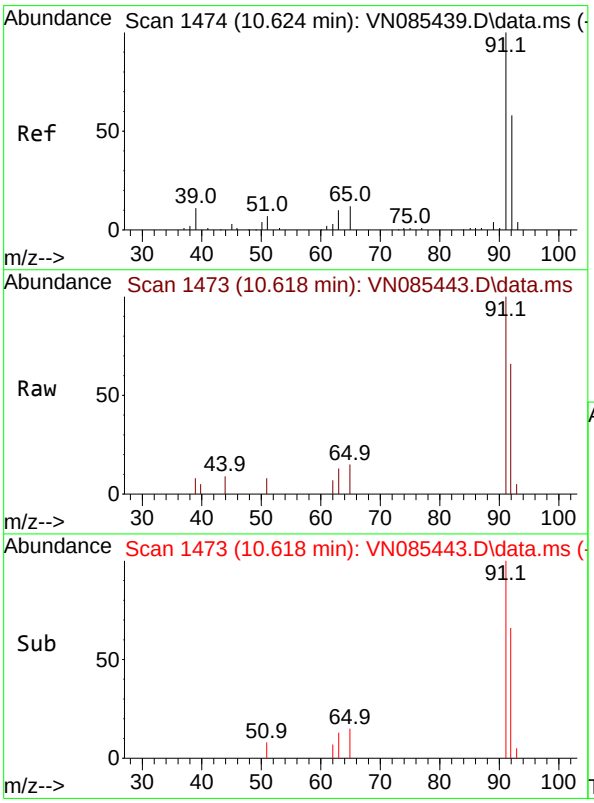
#51
4-Methyl-2-Pentanone
Concen: 4.163 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 11523

Ion	Ratio	Lower	Upper
43	100		
58	33.6	30.5	45.7

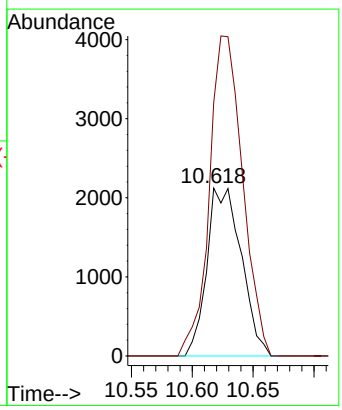


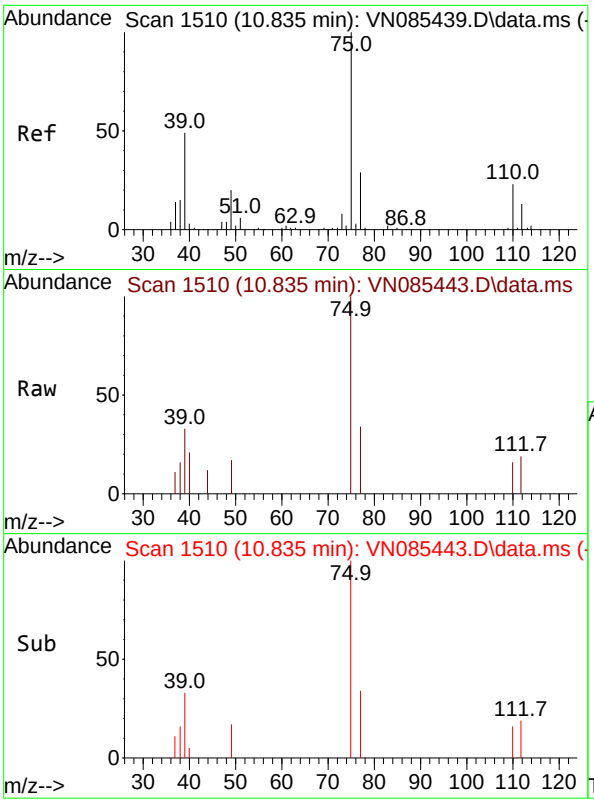


#52
Toluene
Concen: 0.814 ug/l
RT: 10.618 min Scan# 1473
Delta R.T. -0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 92 Resp: 4180

Ion	Ratio	Lower	Upper
92	100		
91	183.9	139.2	208.8



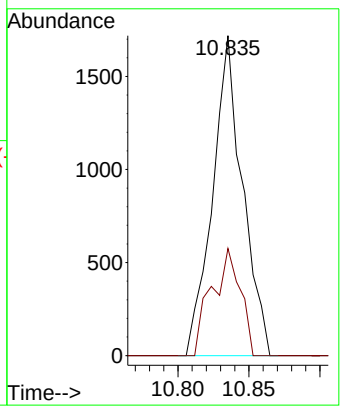


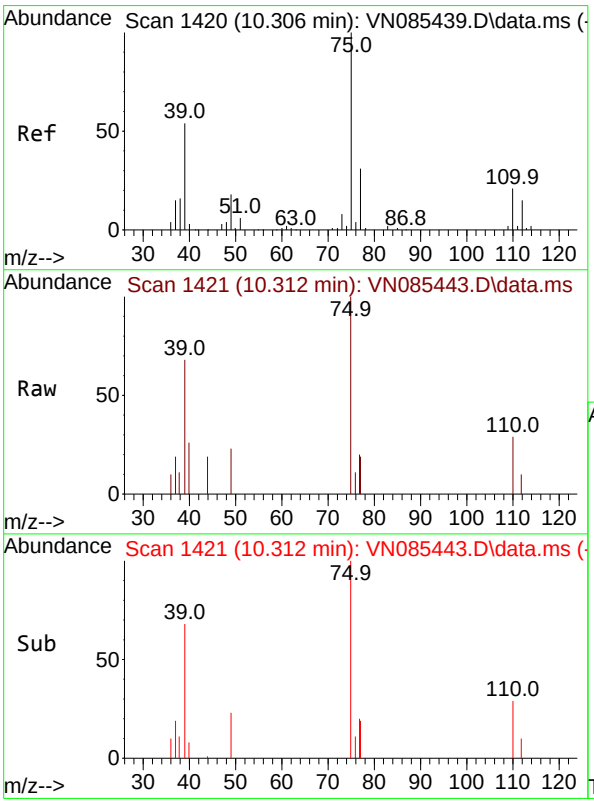
#53
t-1,3-Dichloropropene
Concen: 0.802 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 2522

Ion	Ratio	Lower	Upper
75	100		
77	33.5	23.5	35.3

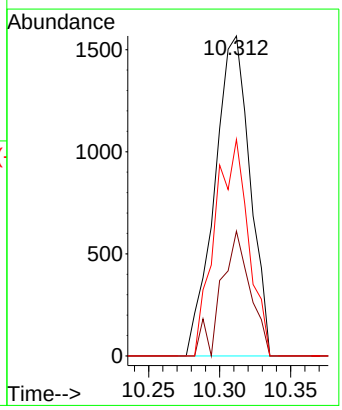


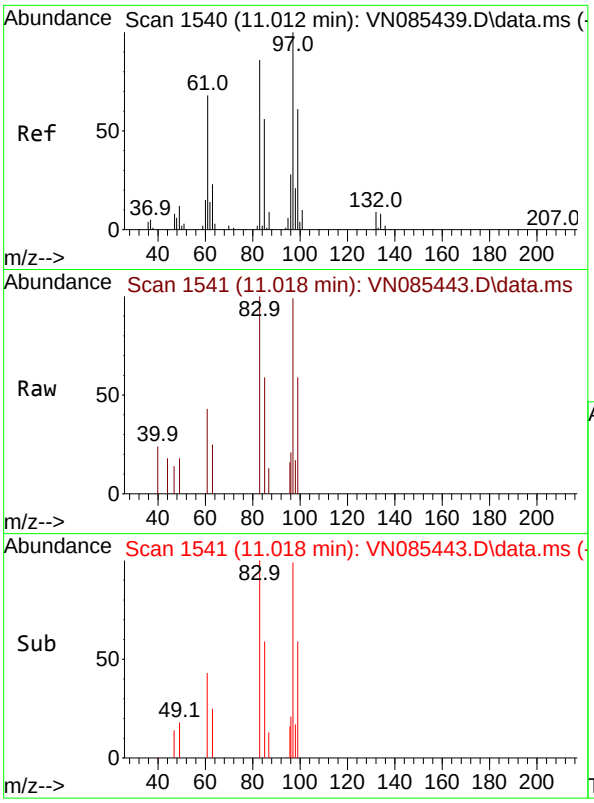


#54
cis-1,3-Dichloropropene
Concen: 0.811 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 75 Resp: 2725

Ion	Ratio	Lower	Upper
75	100		
77	39.0	25.0	37.4#
39	67.6	43.1	64.7#



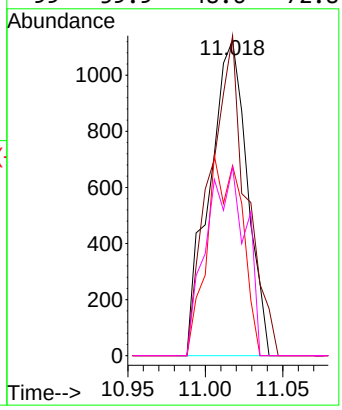


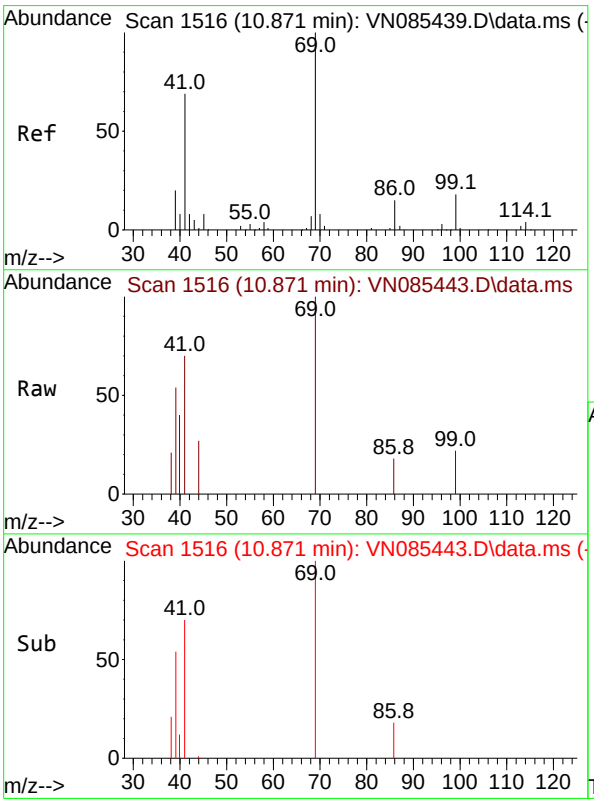
#55
1,1,2-Trichloroethane
Concen: 0.935 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 97 Resp: 1901

Ion	Ratio	Lower	Upper
97	100		
83	101.5	69.0	103.6
85	60.3	44.6	66.8
99	59.9	48.6	72.8

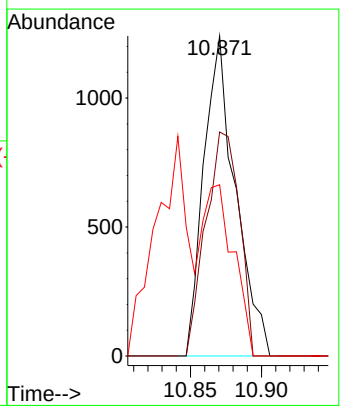


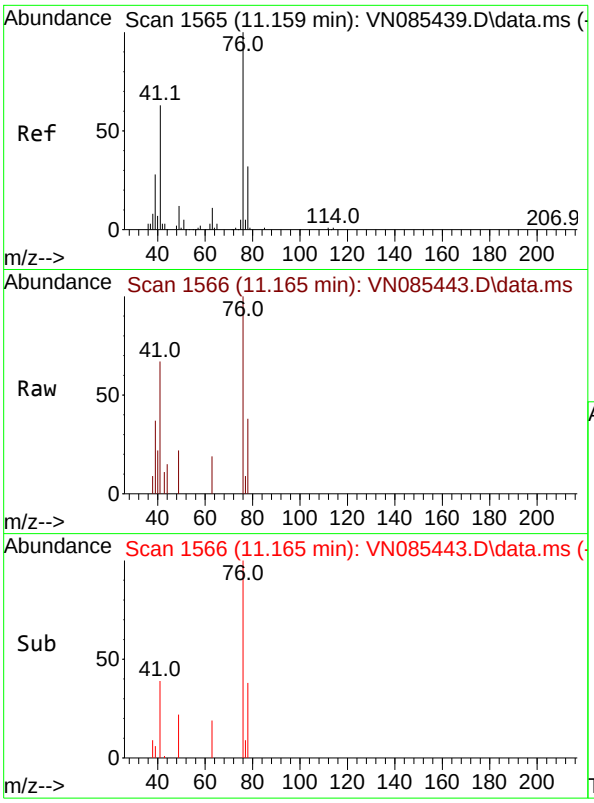


#56
Ethyl methacrylate
Concen: 2.471 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 69 Resp: 1923

Ion	Ratio	Lower	Upper
69	100		
41	74.4	54.6	82.0
39	52.4	32.4	48.6#



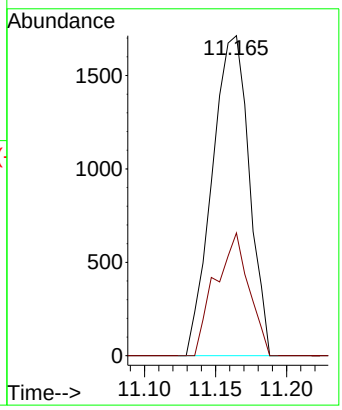


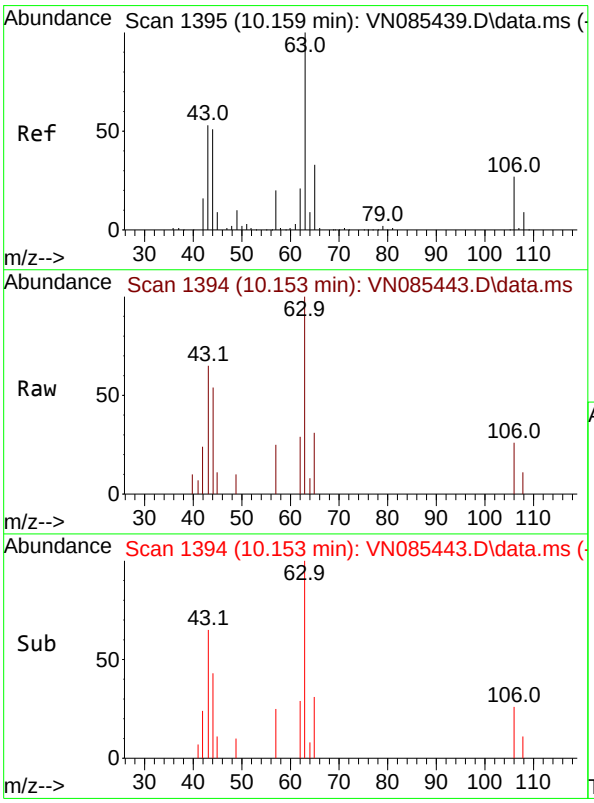
#57
1,3-Dichloropropane
Concen: 0.881 ug/l
RT: 11.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 3113

Ion	Ratio	Lower	Upper
76	100		
78	34.9	25.6	38.4

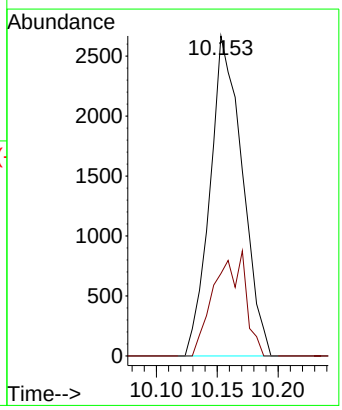


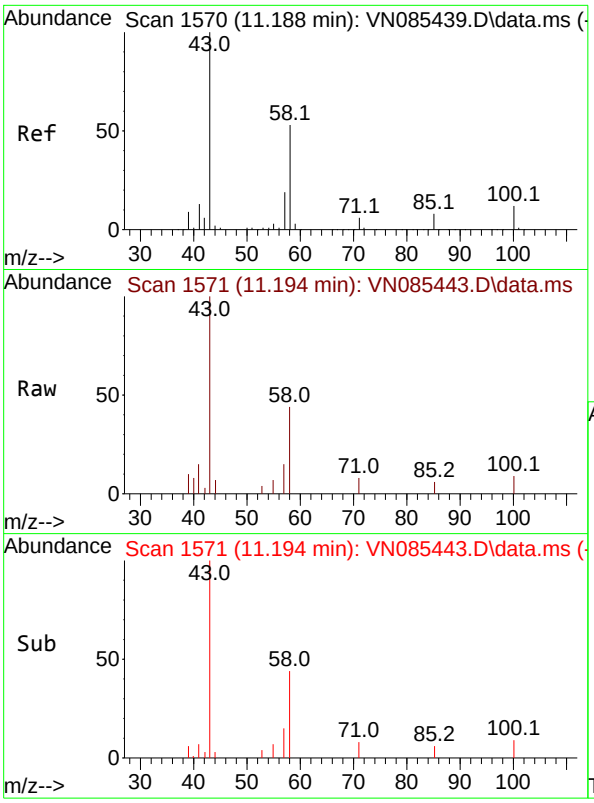


#58
2-Chloroethyl Vinyl ether
Concen: 3.822 ug/l
RT: 10.153 min Scan# 1394
Delta R.T. -0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 63 Resp: 4929

Ion	Ratio	Lower	Upper
63	100		
106	31.7	21.6	32.4



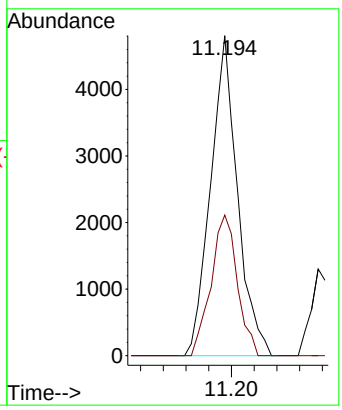


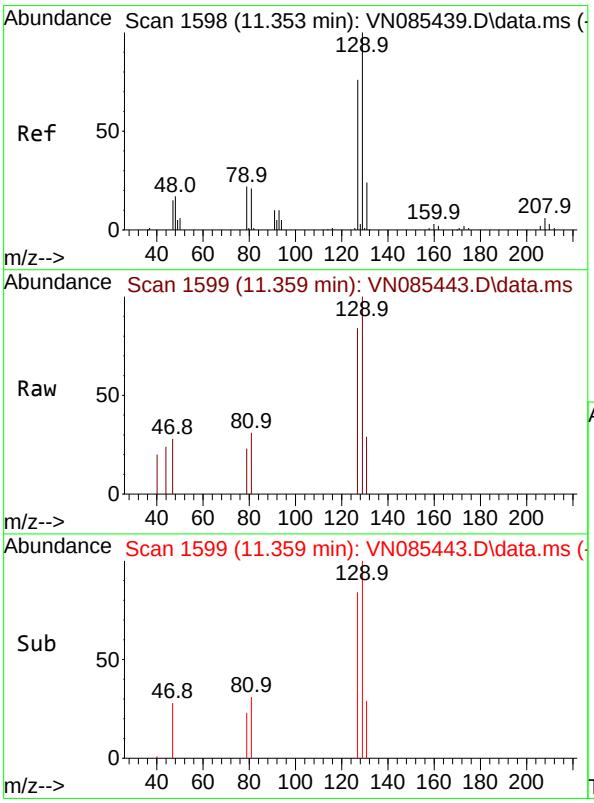
#59
2-Hexanone
Concen: 4.058 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 7905

Ion	Ratio	Lower	Upper
43	100		
58	42.9	26.2	78.6

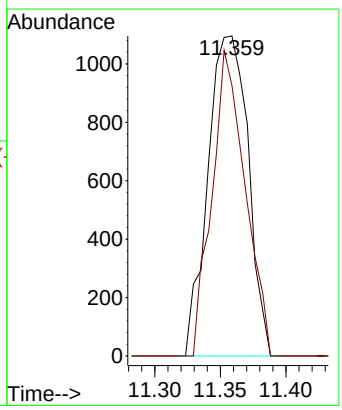


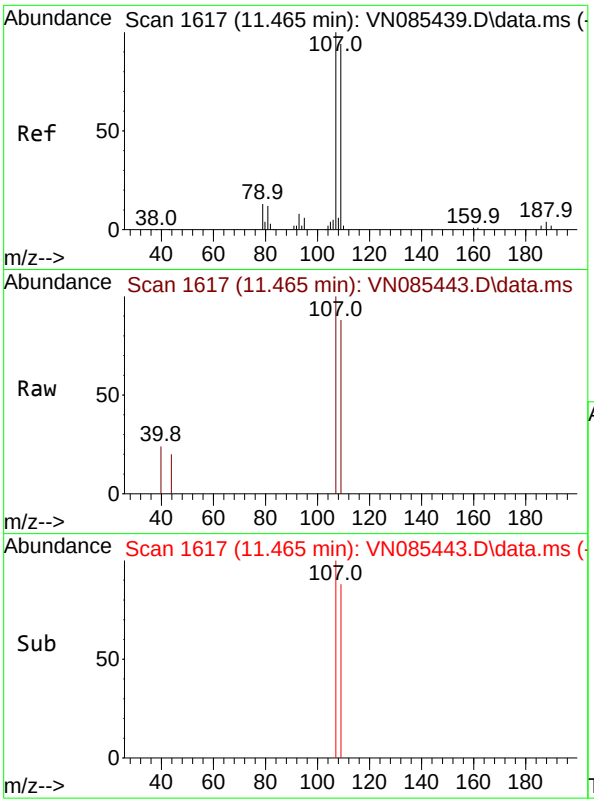


#60
Dibromochloromethane
Concen: 0.953 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion:129 Resp: 2339

Ion	Ratio	Lower	Upper
129	100		
127	78.9	38.6	115.8



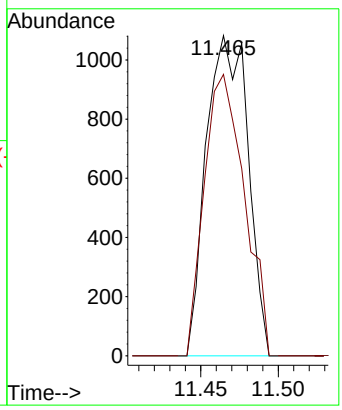


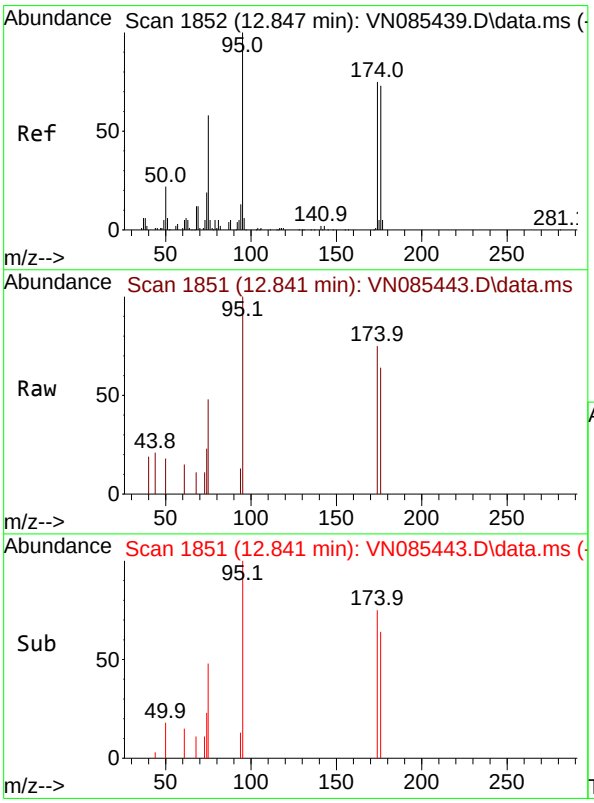
#61
1,2-Dibromoethane
Concen: 1.000 ug/l
RT: 11.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:107 Resp: 2022

Ion	Ratio	Lower	Upper
107	100		
109	84.8	75.9	113.9

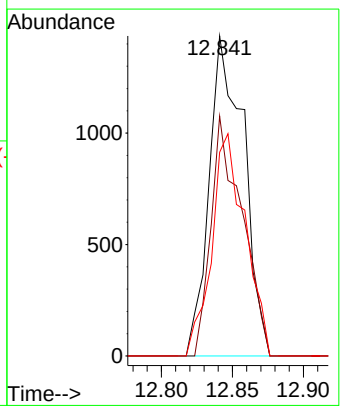


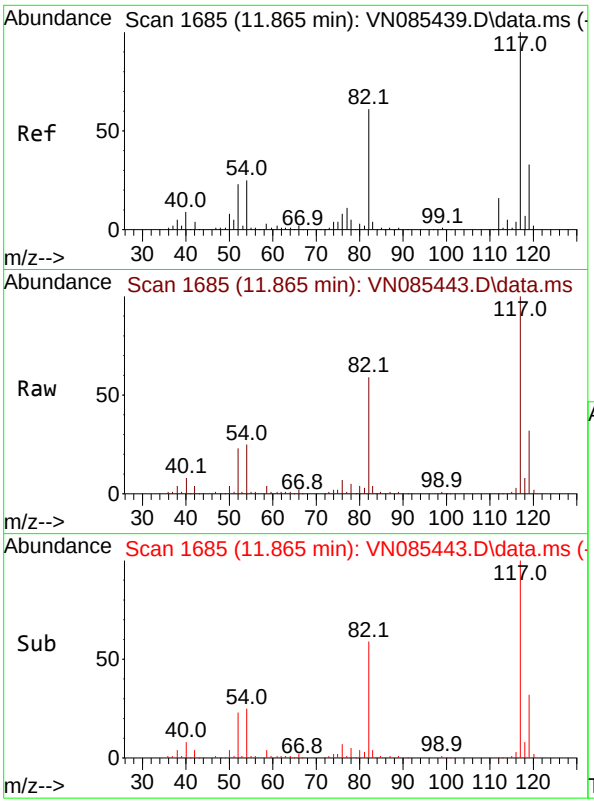


#62
4-Bromofluorobenzene
Concen: 0.951 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. -0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 95 Resp: 2428

Ion	Ratio	Lower	Upper
95	100		
174	67.5	0.0	145.0
176	67.3	0.0	142.4



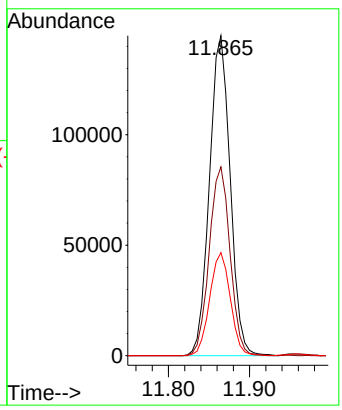


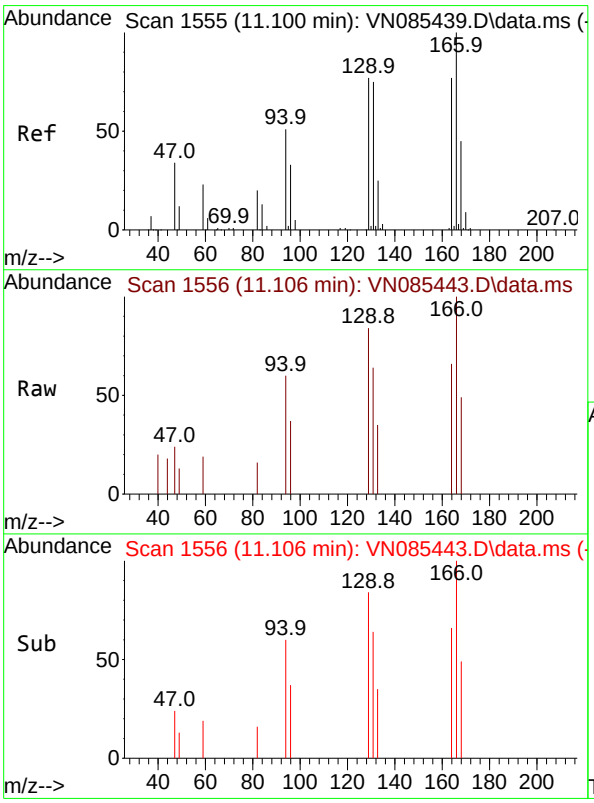
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 256851

Ion	Ratio	Lower	Upper
117	100		
82	59.0	48.6	72.8
119	32.2	26.6	39.8

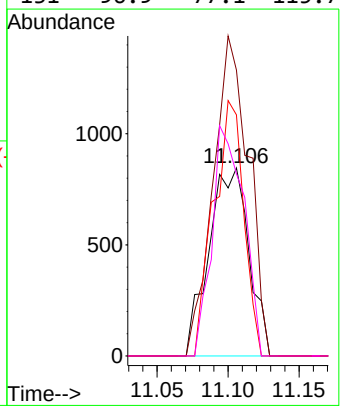


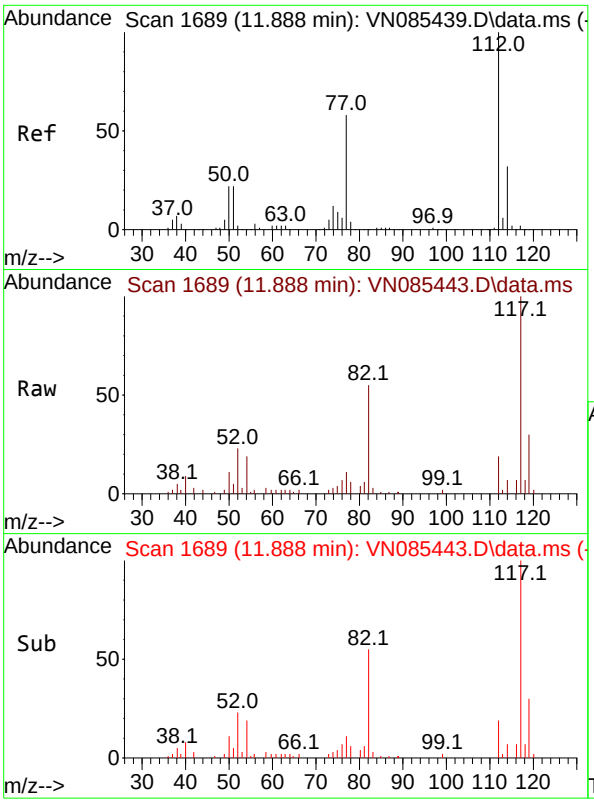


#64
Tetrachloroethene
Concen: 0.947 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion:164 Resp: 1658

Ion	Ratio	Lower	Upper
164	100		
166	152.1	103.4	155.2
129	128.3	79.2	118.8#
131	96.9	77.1	115.7



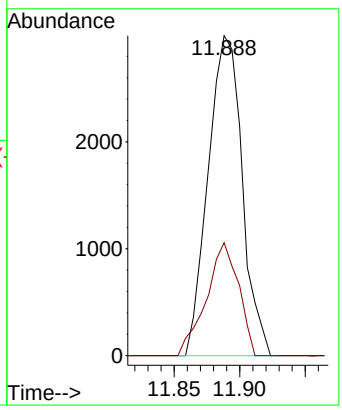


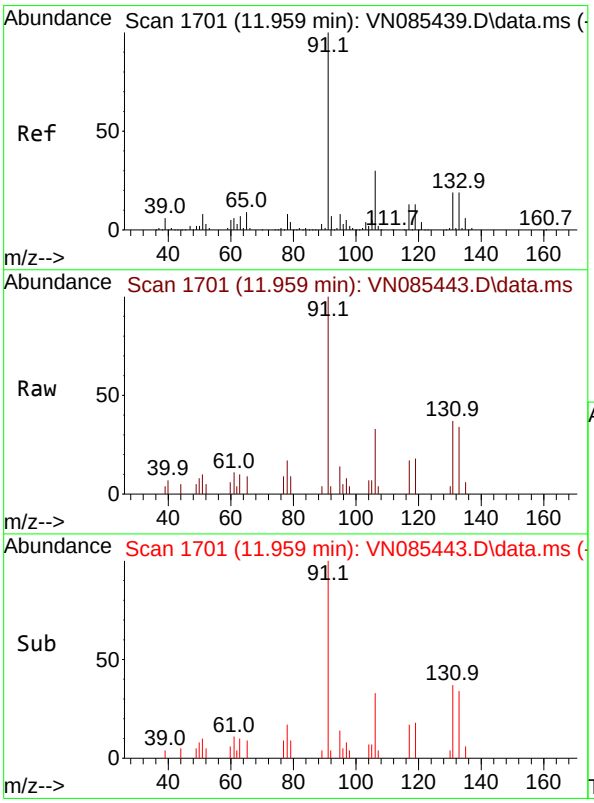
#65
Chlorobenzene
Concen: 0.960 ug/l
RT: 11.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 5401

Ion	Ratio	Lower	Upper
112	100		
114	35.3	25.3	37.9

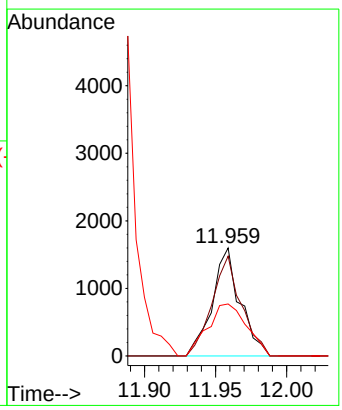


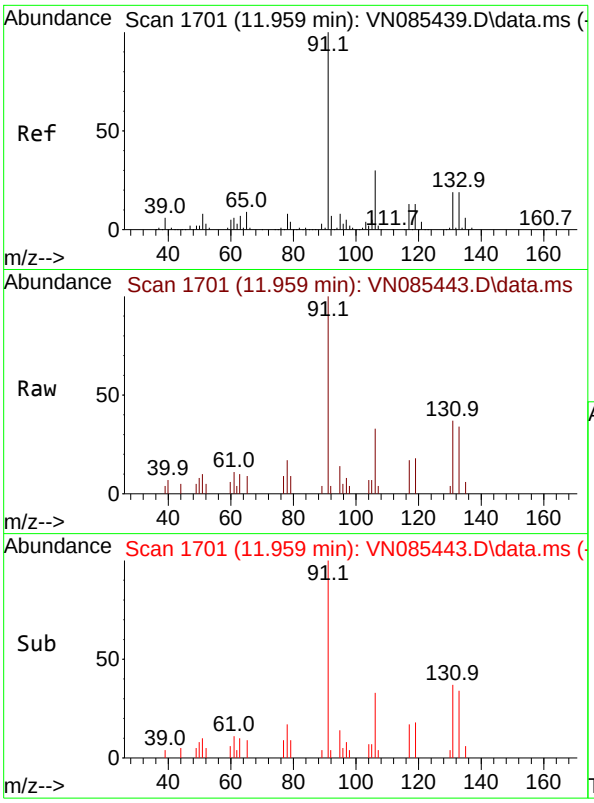


#66
1,1,1,2-Tetrachloroethane
Concen: 1.058 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion:131 Resp: 2185

Ion	Ratio	Lower	Upper
131	100		
133	97.7	47.4	142.3
119	0.0	33.1	99.5#



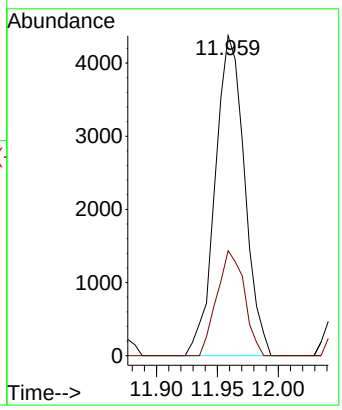


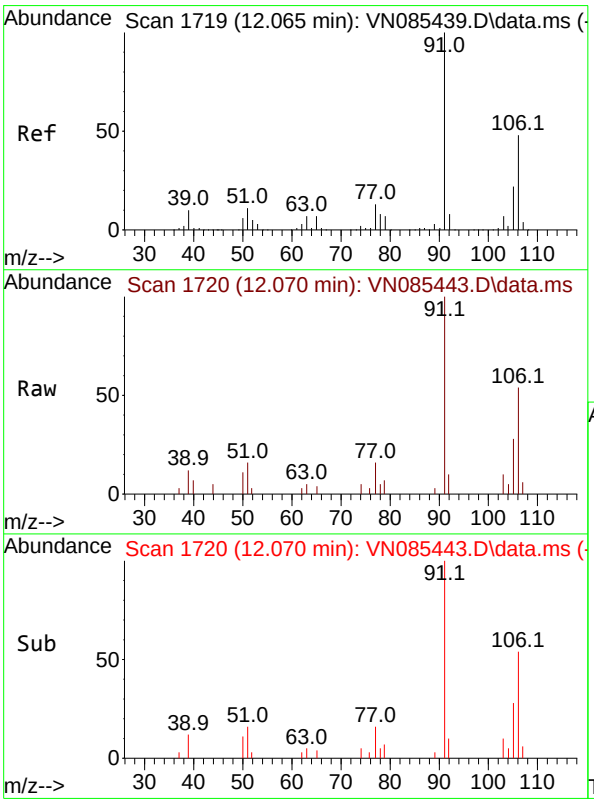
#67
Ethyl Benzene
Concen: 0.802 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 7347

Ion	Ratio	Lower	Upper
91	100		
106	32.8	23.8	35.8

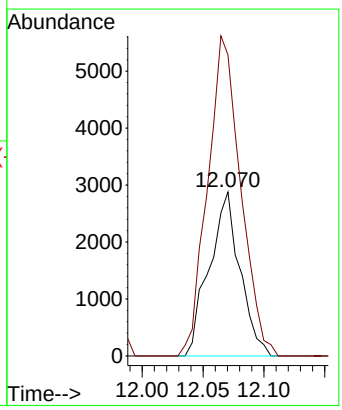


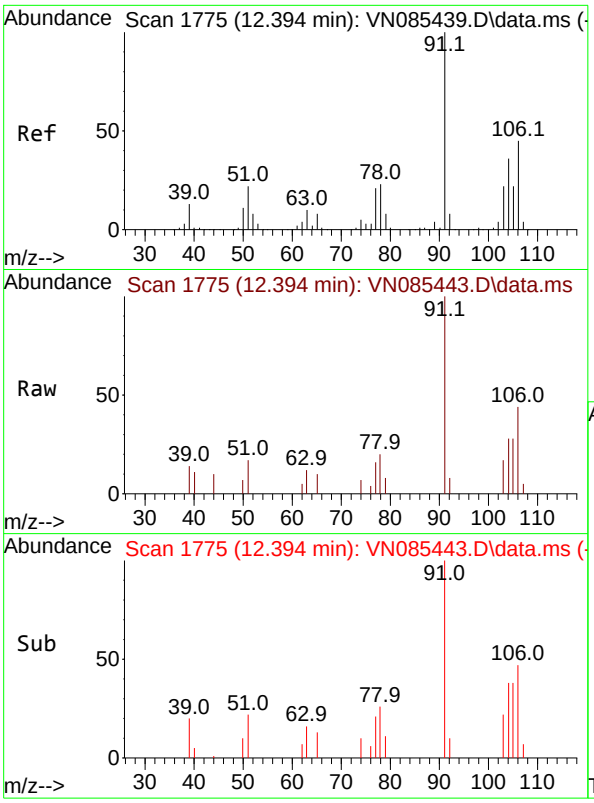


#68
m/p-Xylenes
Concen: 1.494 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. 0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion:106 Resp: 5059

Ion	Ratio	Lower	Upper
106	100		
91	209.3	167.7	251.5



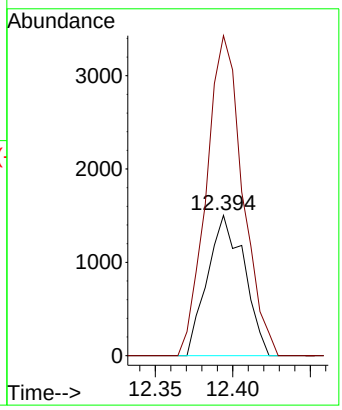


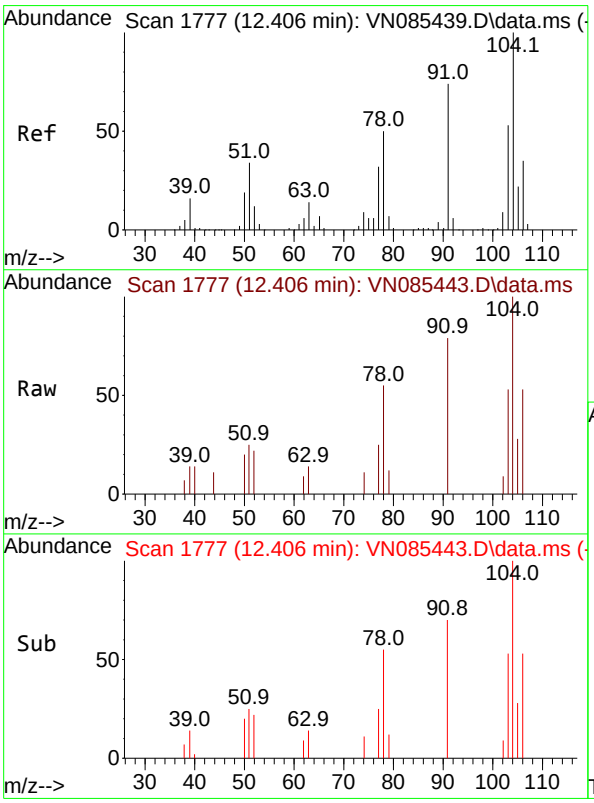
#69
o-Xylene
Concen: 0.766 ug/l
RT: 12.394 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:106 Resp: 2478

Ion	Ratio	Lower	Upper
106	100		
91	225.4	110.4	331.2

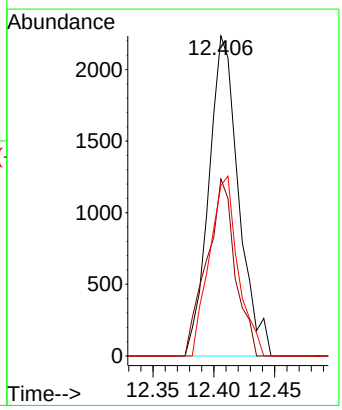


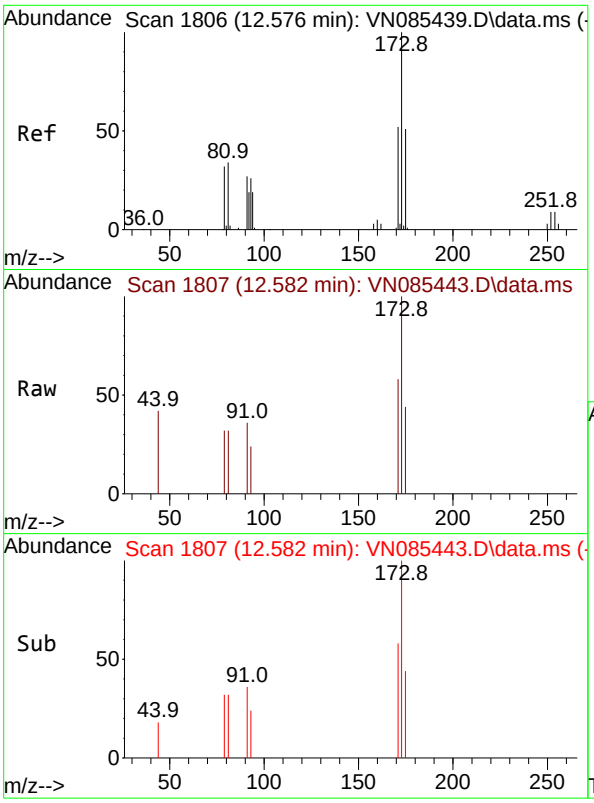


#70
Styrene
Concen: 0.712 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion:104 Resp: 3812

Ion	Ratio	Lower	Upper
104	100		
78	52.9	42.5	63.7
103	53.7	43.8	65.8



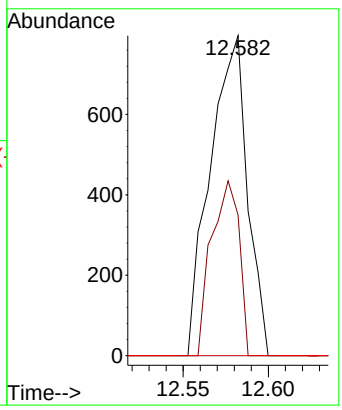


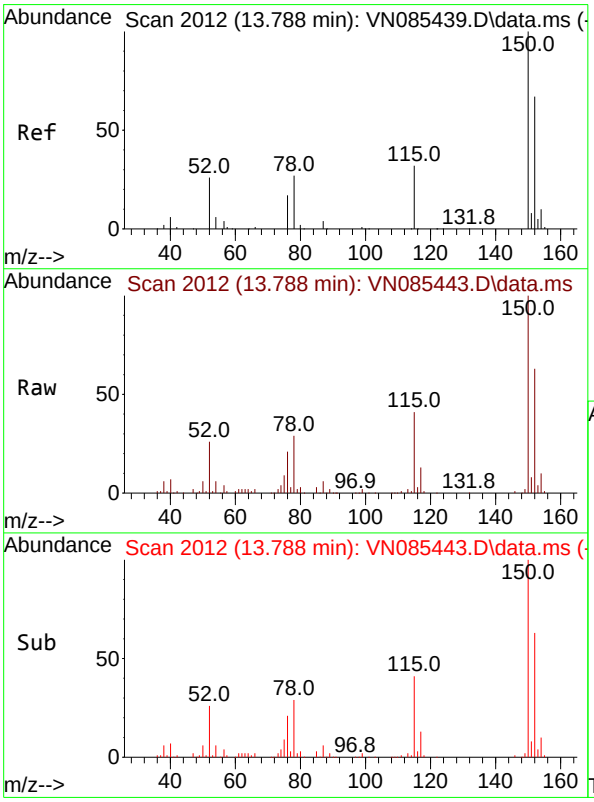
#71
Bromoform
Concen: 0.818 ug/l
RT: 12.582 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:173 Resp: 1208

Ion	Ratio	Lower	Upper
173	100		
175	40.7	24.4	73.2
254	0.0	0.0	0.0

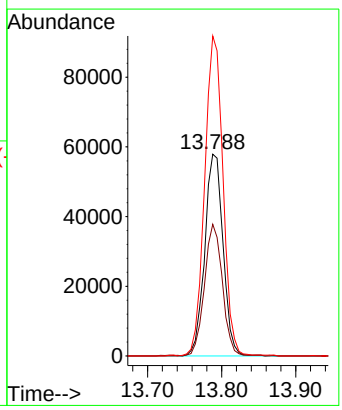


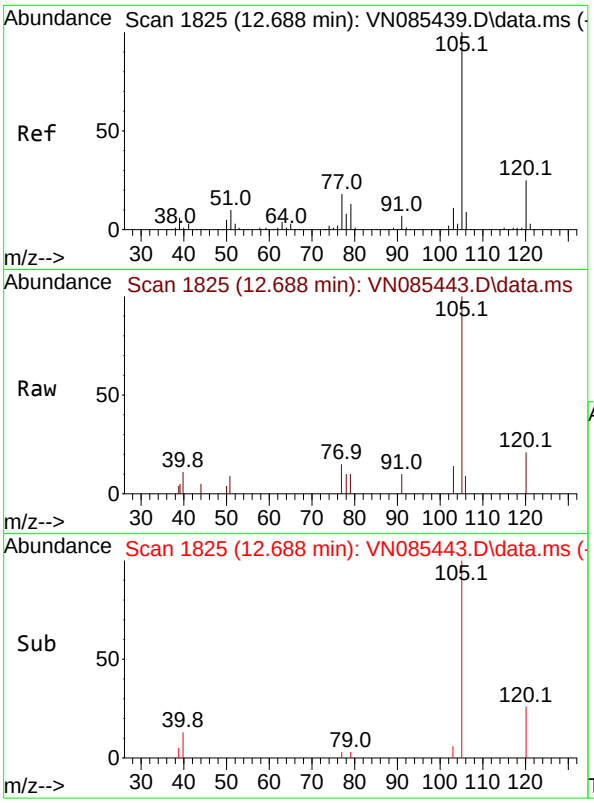


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion:152 Resp: 99539

Ion	Ratio	Lower	Upper
152	100		
115	63.8	31.1	93.3
150	158.5	0.0	343.6



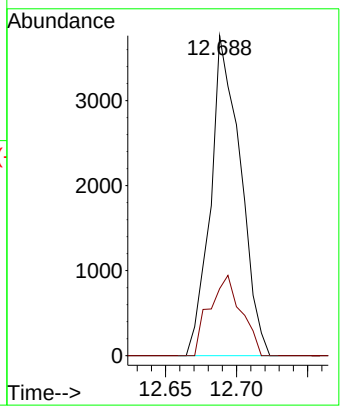


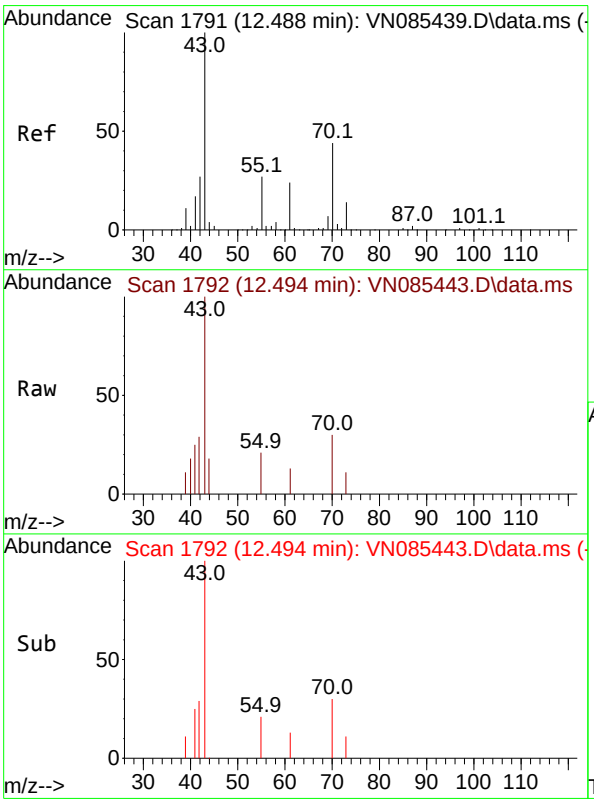
#73
Isopropylbenzene
Concen: 0.820 ug/l
RT: 12.688 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 5506

Ion	Ratio	Lower	Upper
105	100		
120	26.7	12.8	38.3

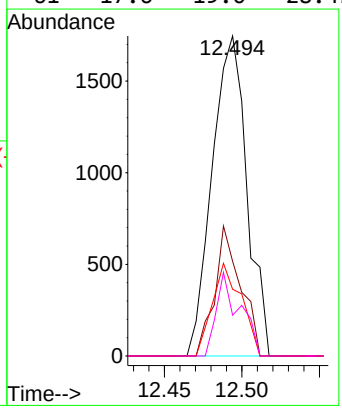


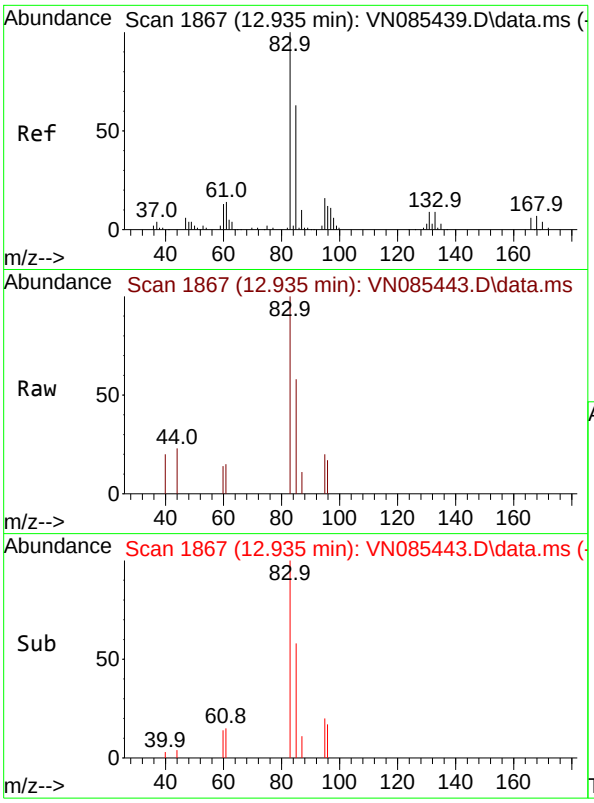


#74
N-amyl acetate
Concen: 0.899 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 43 Resp: 2716

Ion	Ratio	Lower	Upper
43	100		
70	30.4	34.0	51.0#
55	24.2	21.4	32.2
61	17.6	19.0	28.4#



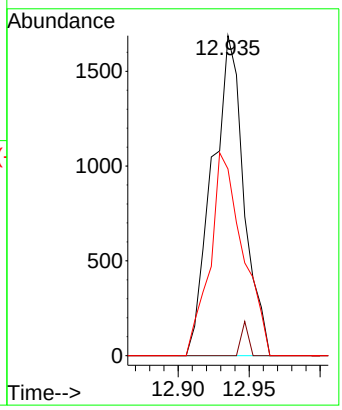


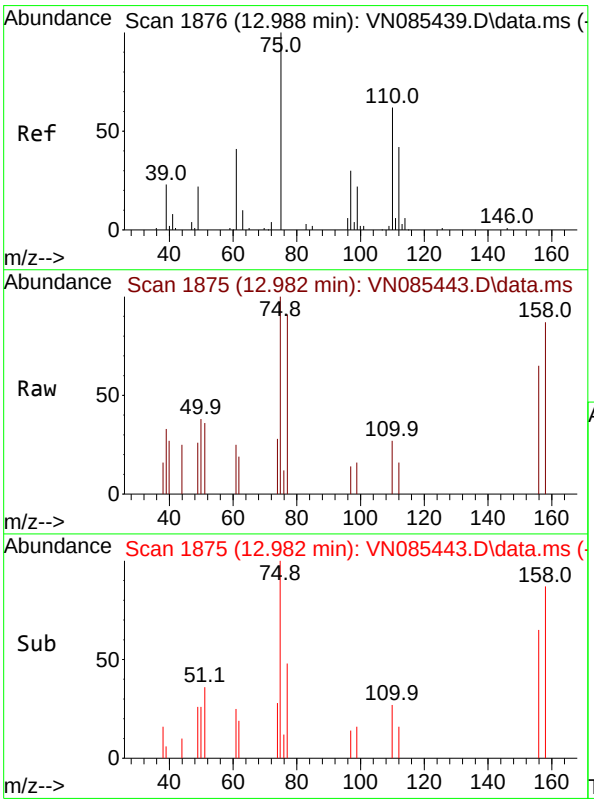
#75
1,1,2,2-Tetrachloroethane
Concen: 1.102 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 2616

Ion	Ratio	Lower	Upper
83	100		
131	2.4	4.8	14.4#
85	65.7	32.2	96.6

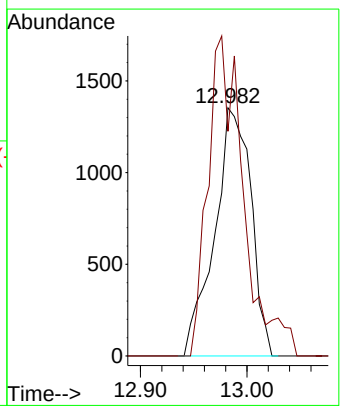


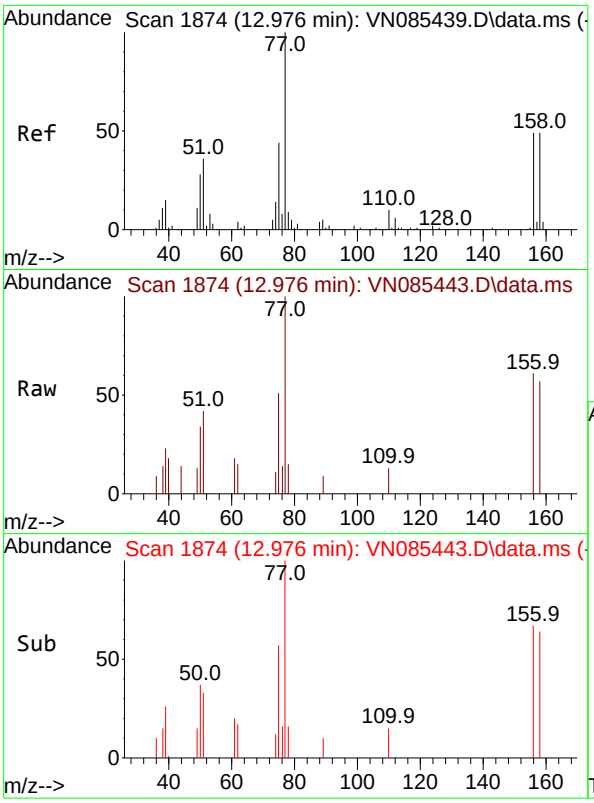


#76
1,2,3-Trichloropropane
Concen: 1.590 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. -0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 75 Resp: 3212

Ion	Ratio	Lower	Upper
75	100		
77	126.0	109.7	329.2



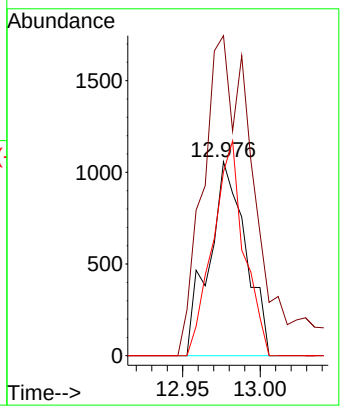


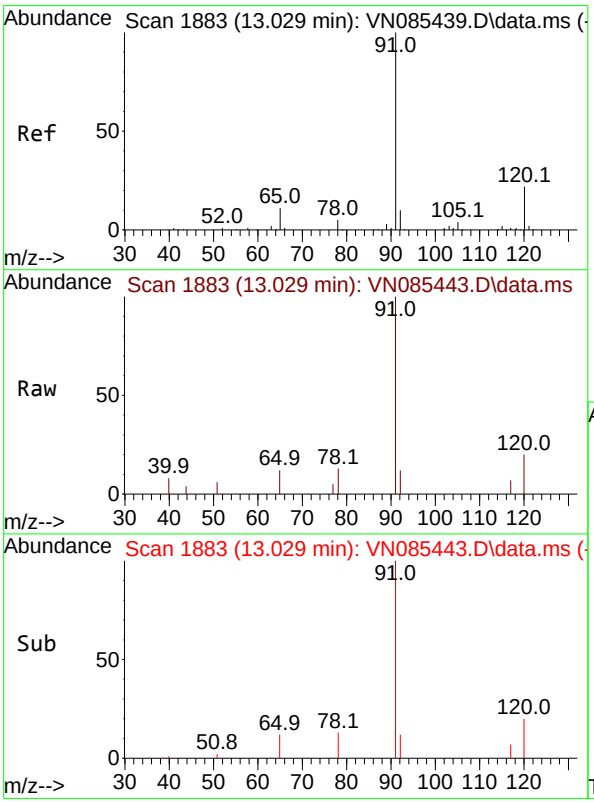
#77
Bromobenzene
Concen: 0.987 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:156 Resp: 1733

Ion	Ratio	Lower	Upper
156	100		
77	233.6	114.1	342.4
158	94.9	48.9	146.8

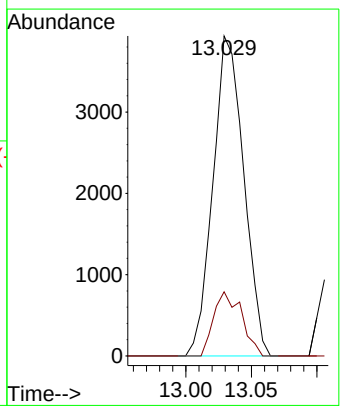


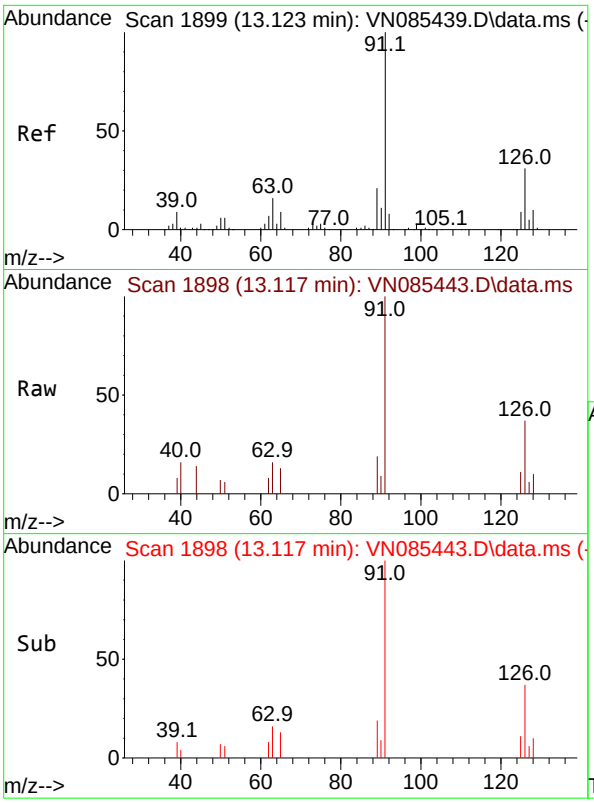


#78
n-propylbenzene
Concen: 0.808 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 91 Resp: 6424

Ion	Ratio	Lower	Upper
91	100		
120	18.2	10.9	32.6



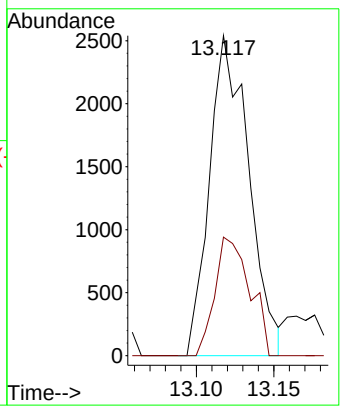


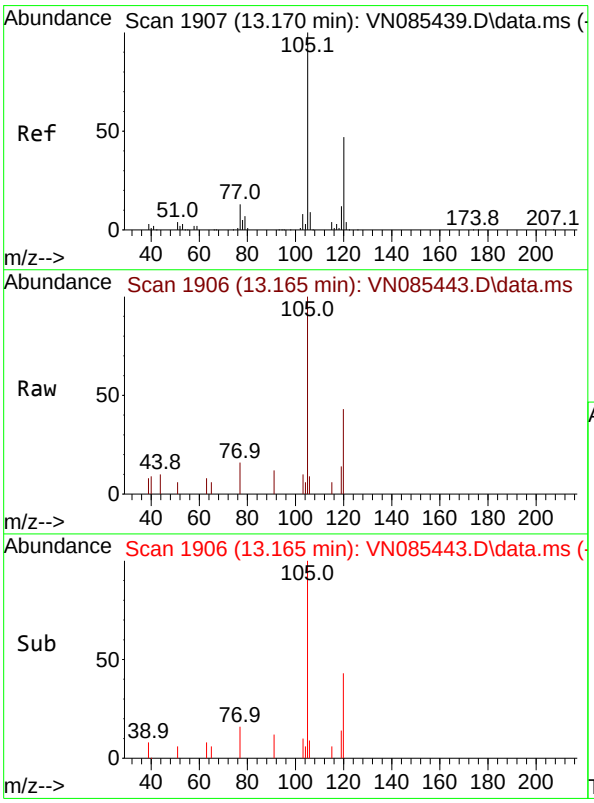
#79
2-Chlorotoluene
Concen: 0.871 ug/l
RT: 13.117 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 4483

Ion	Ratio	Lower	Upper
91	100		
126	32.9	15.7	47.1

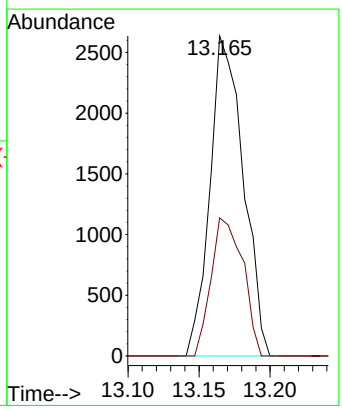


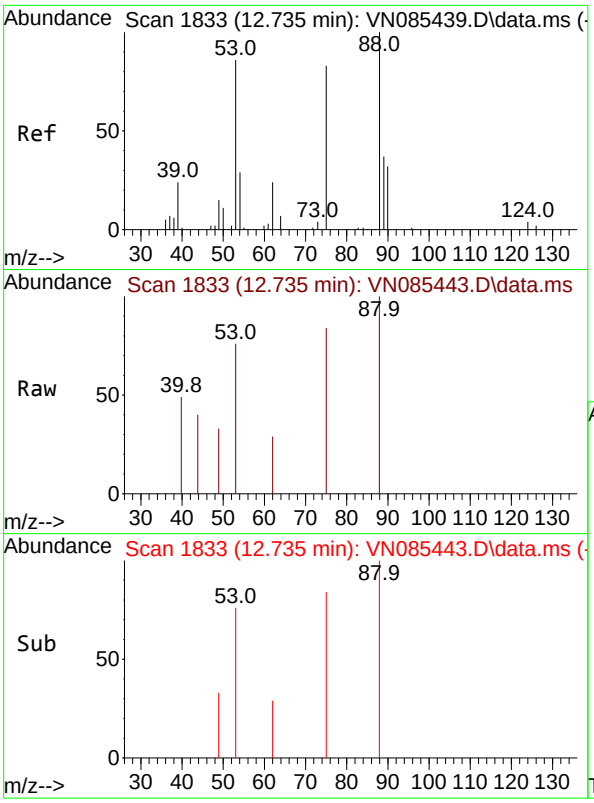


#80
1,3,5-Trimethylbenzene
Concen: 0.775 ug/l
RT: 13.165 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion:105 Resp: 4301

Ion	Ratio	Lower	Upper
105	100		
120	41.2	23.9	71.7



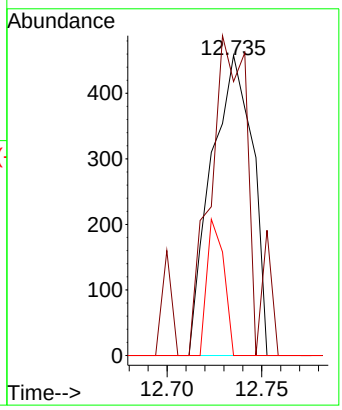


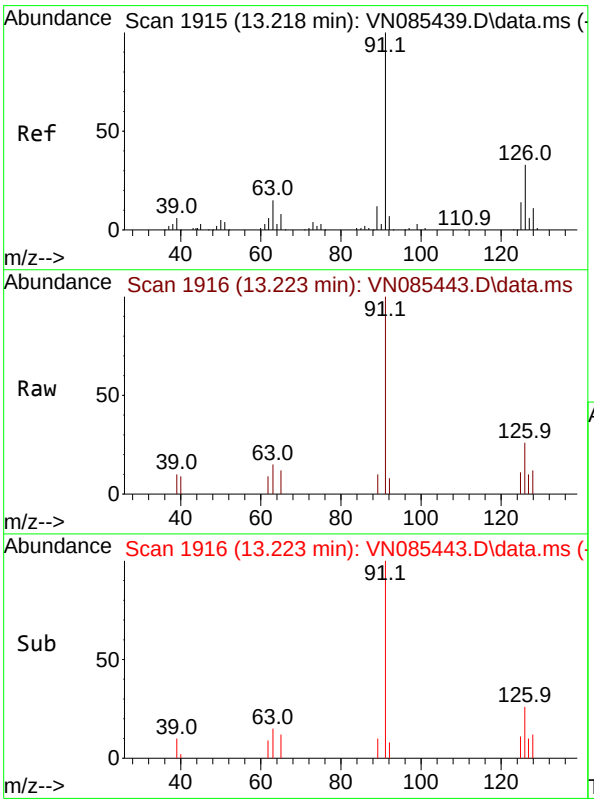
#81
trans-1,4-Dichloro-2-butene
Concen: 0.929 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 695

Ion	Ratio	Lower	Upper
75	100		
53	101.2	95.6	143.4
89	18.6	37.0	55.6#

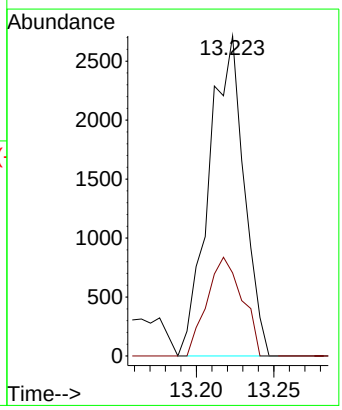


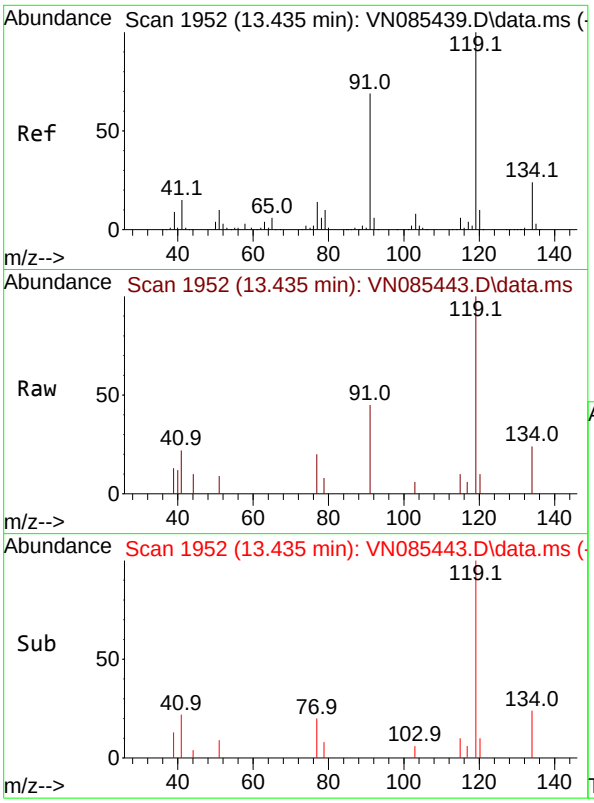


#82
4-Chlorotoluene
Concen: 0.833 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 91 Resp: 4268

Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.9	47.7



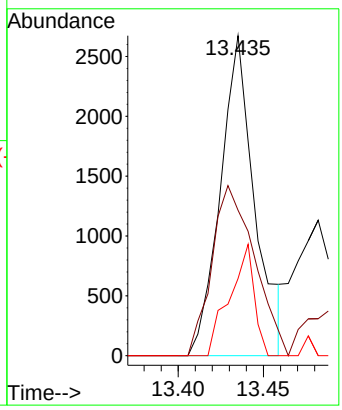


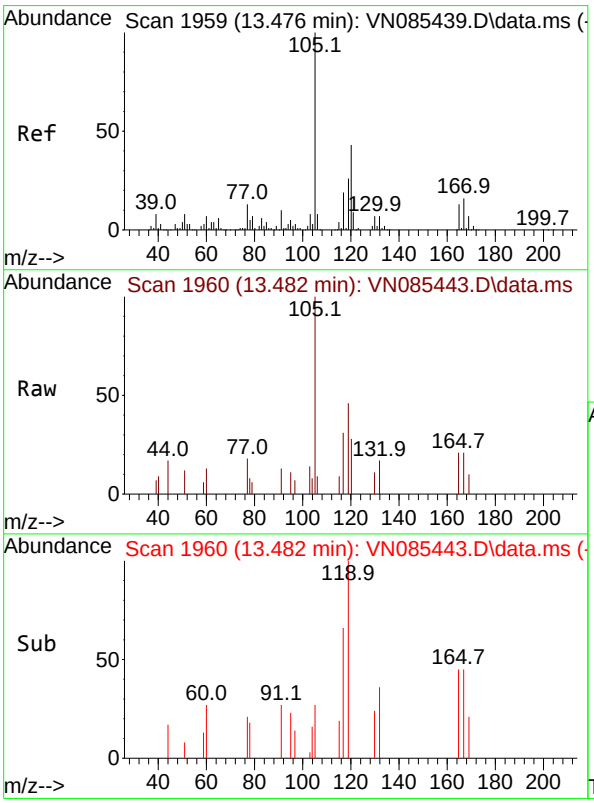
#83
tert-Butylbenzene
Concen: 0.805 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 3753

Ion	Ratio	Lower	Upper
119	100		
91	65.9	35.1	105.3
134	24.9	12.0	36.1

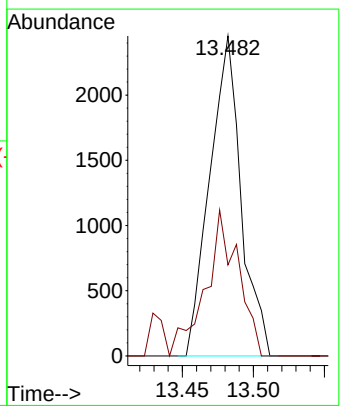


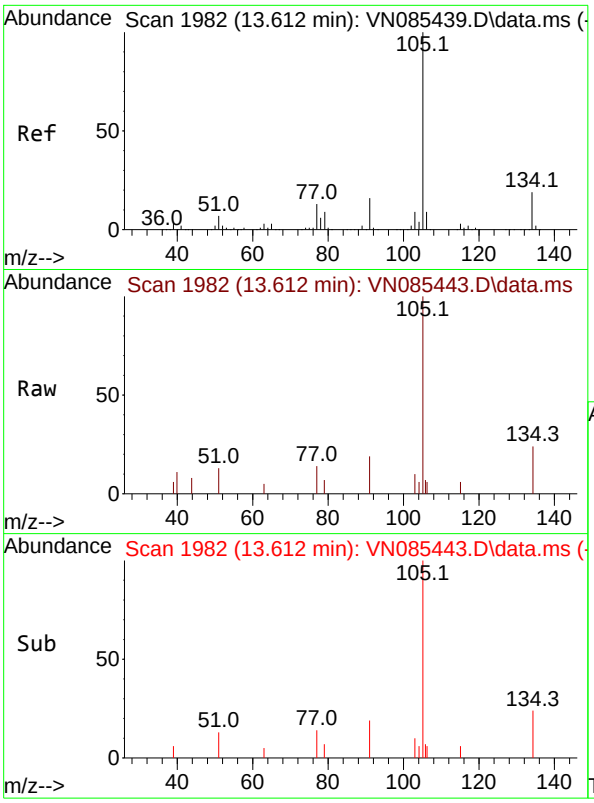


#84
1,2,4-Trimethylbenzene
Concen: 0.679 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion:105 Resp: 3758

Ion	Ratio	Lower	Upper
105	100		
120	47.7	21.6	65.0



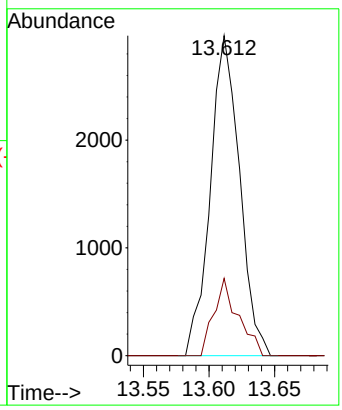


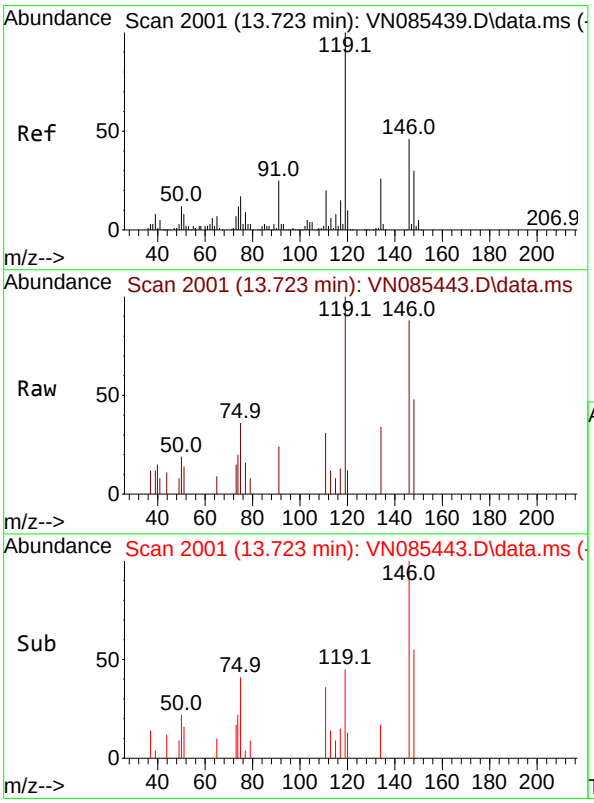
#85
sec-Butylbenzene
Concen: 0.714 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 4614

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.7	28.9

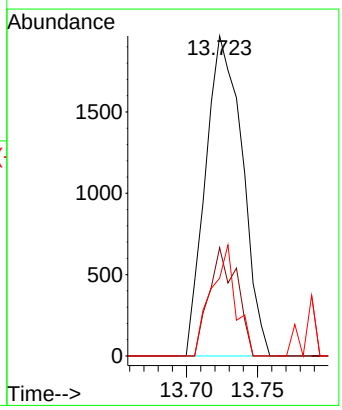


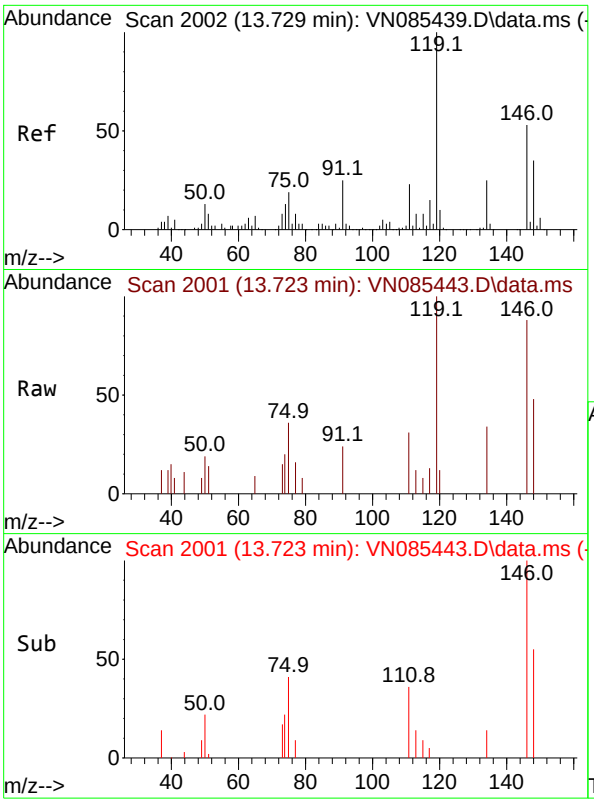


#86
p-Isopropyltoluene
Concen: 0.716 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion:119 Resp: 3538

Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.7	38.0
91	23.2	12.7	38.1



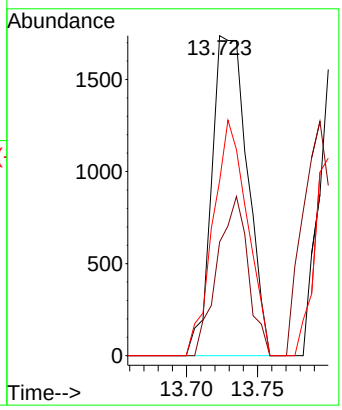


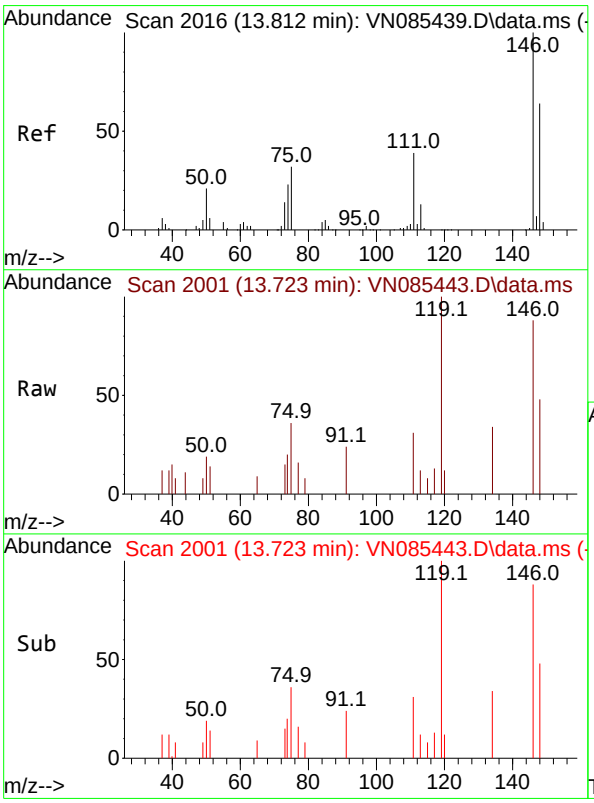
#87
1,3-Dichlorobenzene
Concen: 0.940 ug/l
RT: 13.723 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 3038

Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.4	64.3
148	70.9	32.3	96.9

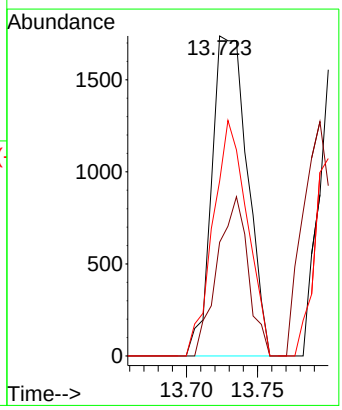


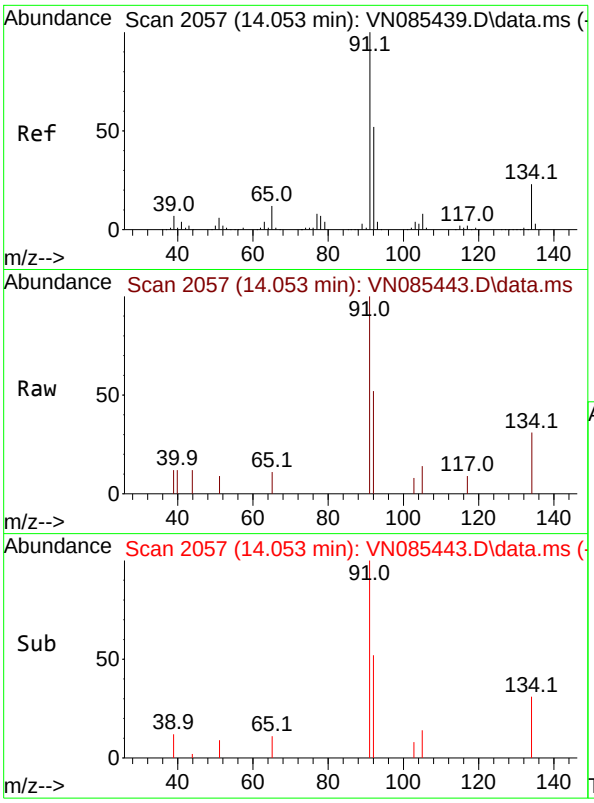


#88
1,4-Dichlorobenzene
Concen: 0.907 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. -0.088 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion:146 Resp: 3038

Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.3	63.7
148	70.9	32.4	97.0



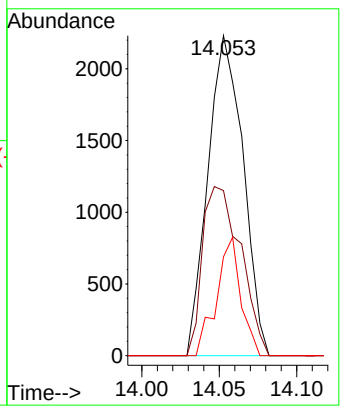


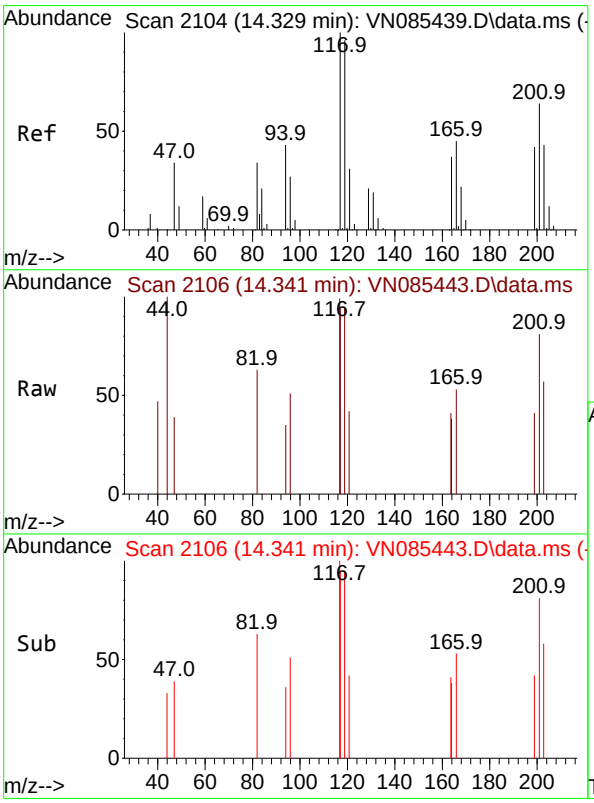
#89
n-Butylbenzene
Concen: 0.761 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 3527

Ion	Ratio	Lower	Upper
91	100		
92	57.2	25.8	77.3
134	25.5	11.7	35.1

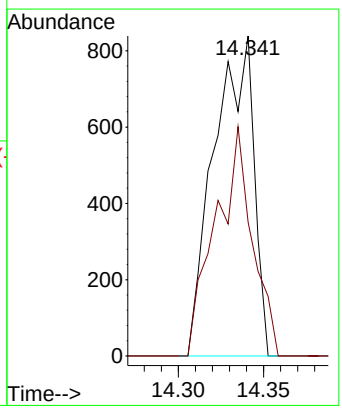


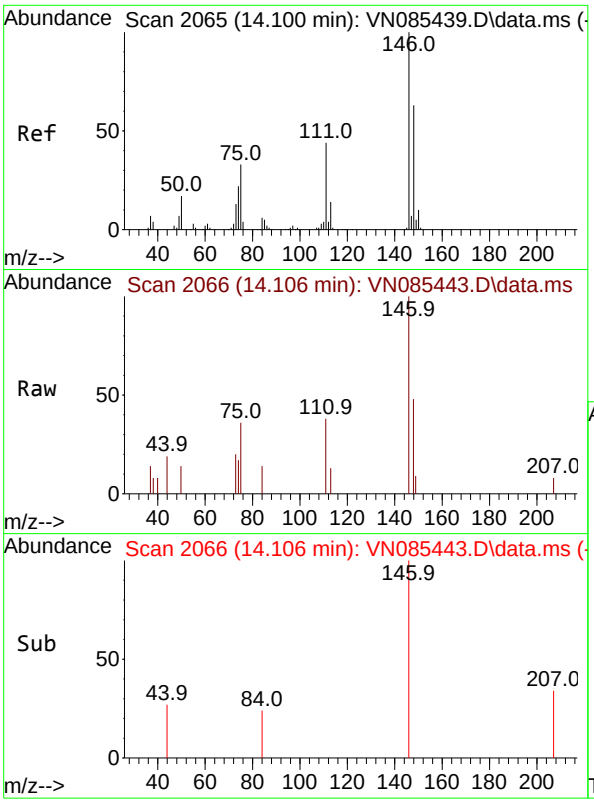


#90
Hexachloroethane
Concen: 1.102 ug/l
RT: 14.341 min Scan# 2106
Delta R.T. 0.012 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion:117 Resp: 1355

Ion	Ratio	Lower	Upper
117	100		
201	66.5	33.7	101.0



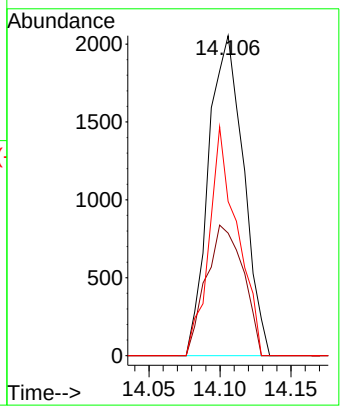


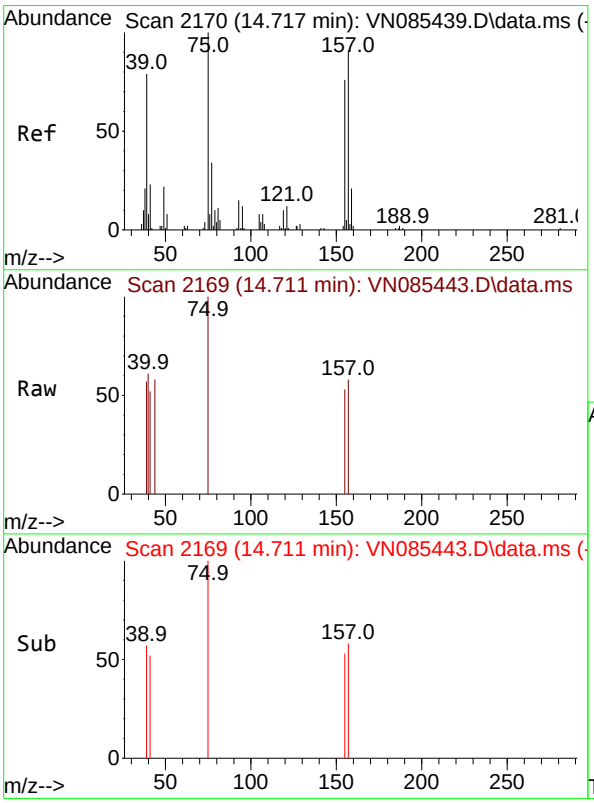
#91
1,2-Dichlorobenzene
Concen: 1.090 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 3515

Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.7	65.1
148	57.8	31.4	94.2

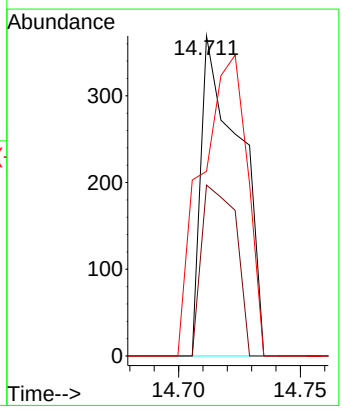


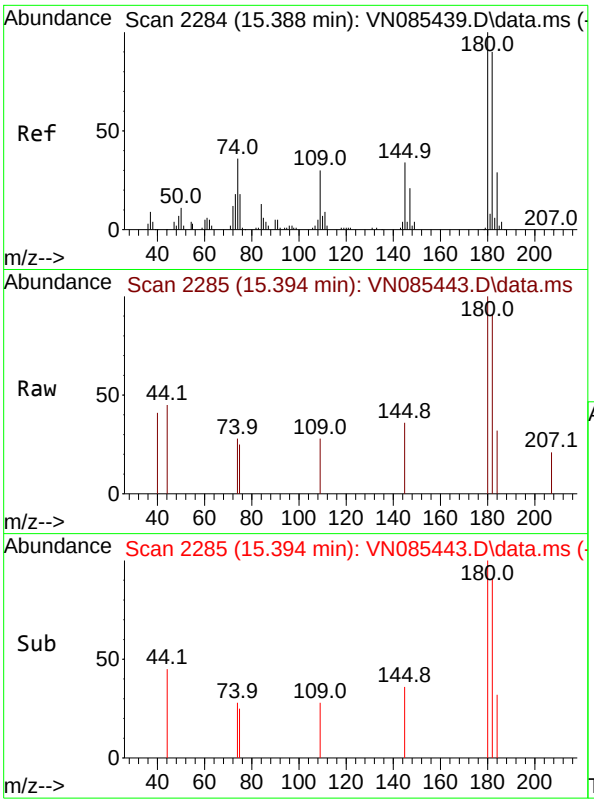


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.928 ug/l
RT: 14.711 min Scan# 2169
Delta R.T. -0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion: 75 Resp: 402

Ion	Ratio	Lower	Upper
75	100		
155	48.0	36.4	109.2
157	112.7	45.4	136.1



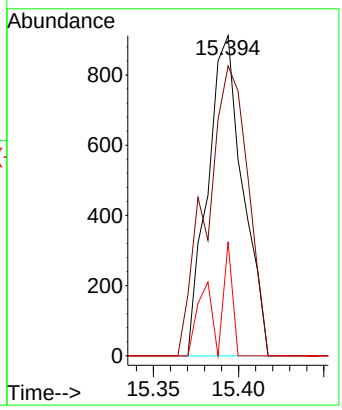


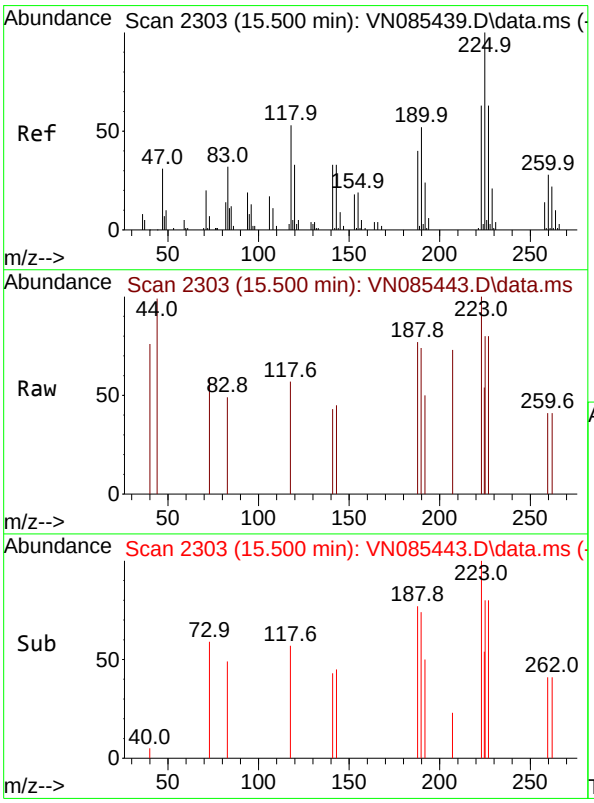
#93
1,2,4-Trichlorobenzene
Concen: 0.874 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:180 Resp: 1310

Ion	Ratio	Lower	Upper
180	100		
182	106.3	46.8	140.3
145	9.7	16.0	48.0#

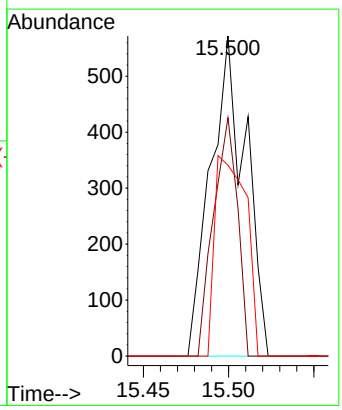


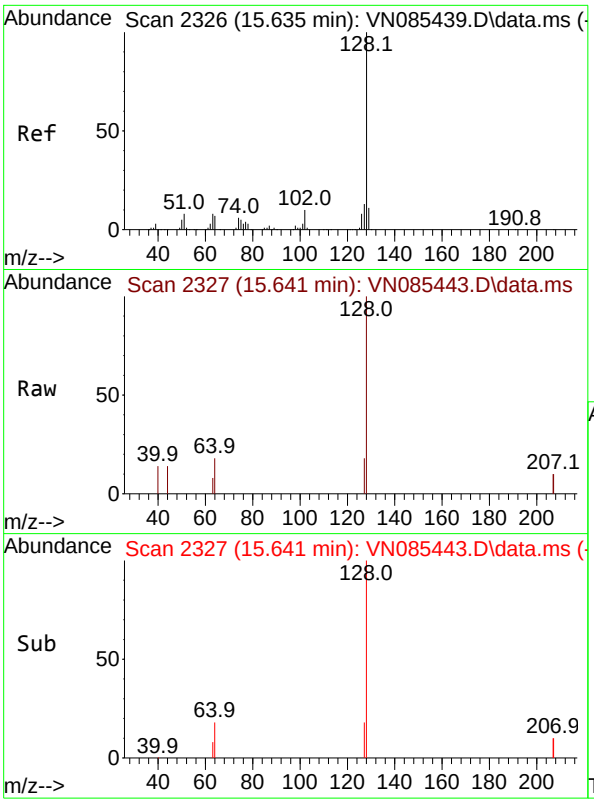


#94
Hexachlorobutadiene
Concen: 1.033 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion:225 Resp: 822

Ion	Ratio	Lower	Upper
225	100		
223	50.7	30.7	92.1
227	55.7	30.9	92.5



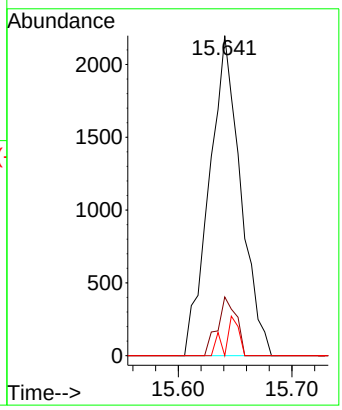


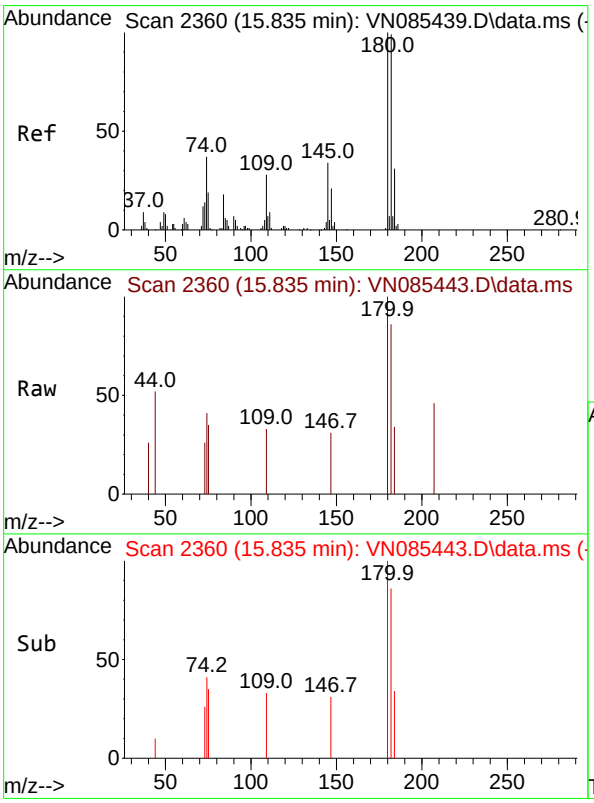
#95
Naphthalene
Concen: 0.941 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:128 Resp: 4210

Ion	Ratio	Lower	Upper
128	100		
127	11.1	10.6	16.0
129	5.3	8.8	13.2#

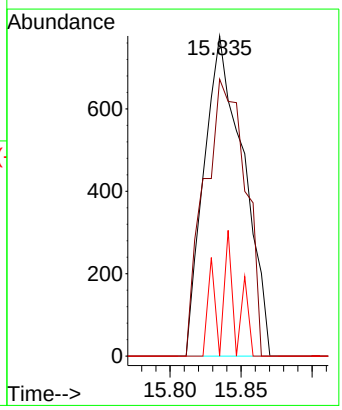




#96
1,2,3-Trichlorobenzene
Concen: 0.985 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN085443.D
Acq: 14 Jan 2025 17:19

Tgt Ion:180 Resp: 1494

Ion	Ratio	Lower	Upper
180	100		
182	90.2	47.4	142.2
145	11.8	16.9	50.7#



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085445.D
Acq On : 14 Jan 2025 18:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Quant Time: Jan 15 02:20:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	219757	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	370487	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	320948	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	158525	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	176594	49.782	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.560%			
35) Dibromofluoromethane	8.165	113	130487	50.768	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.540%			
50) Toluene-d8	10.565	98	477630	52.302	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.600%			
62) 4-Bromofluorobenzene	12.847	95	165249	52.899	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.800%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	130242	43.772	ug/l	100
3) Chloromethane	2.360	50	138152	42.883	ug/l	99
4) Vinyl Chloride	2.513	62	138316	42.715	ug/l	99
5) Bromomethane	2.954	94	80019	40.910	ug/l	91
6) Chloroethane	3.124	64	86837	42.299	ug/l	99
7) Trichlorofluoromethane	3.501	101	206526	43.956	ug/l	99
8) Diethyl Ether	3.959	74	69545	42.846	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	118310	44.706	ug/l	98
10) Methyl Iodide	4.595	142	140190	46.259	ug/l	98
11) Tert butyl alcohol	5.518	59	83933	206.633	ug/l	99
12) 1,1-Dichloroethene	4.342	96	106880	45.317	ug/l	98
13) Acrolein	4.177	56	135720	244.765	ug/l	99
14) Allyl chloride	5.024	41	170308	44.501	ug/l	99
15) Acrylonitrile	5.712	53	294062	227.920	ug/l	99
16) Acetone	4.418	43	245248	213.971	ug/l	98
17) Carbon Disulfide	4.712	76	300215	41.342	ug/l	100
18) Methyl Acetate	5.018	43	156938	45.028	ug/l	100
19) Methyl tert-butyl Ether	5.795	73	365819	47.768	ug/l	100
20) Methylene Chloride	5.271	84	122059	43.017	ug/l	98
21) trans-1,2-Dichloroethene	5.783	96	112597	44.672	ug/l	93
22) Diisopropyl ether	6.665	45	399206	46.996	ug/l	99
23) Vinyl Acetate	6.601	43	1471068	247.459	ug/l	100
24) 1,1-Dichloroethane	6.571	63	228489	44.114	ug/l	98
25) 2-Butanone	7.477	43	386125	228.924	ug/l	100
26) 2,2-Dichloropropane	7.489	77	199303	47.593	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	134920	45.446	ug/l	98
28) Bromochloromethane	7.812	49	106323	44.122	ug/l	100
29) Tetrahydrofuran	7.836	42	255650	239.065	ug/l	99
30) Chloroform	7.965	83	235923	44.071	ug/l	98
31) Cyclohexane	8.253	56	193034	42.878	ug/l	93
32) 1,1,1-Trichloroethane	8.165	97	208172	44.332	ug/l	99
36) 1,1-Dichloropropene	8.365	75	161834	44.863	ug/l	98
37) Ethyl Acetate	7.559	43	160656	44.123	ug/l	97
38) Carbon Tetrachloride	8.359	117	183592	44.456	ug/l	99
39) Methylcyclohexane	9.600	83	168431	49.687	ug/l	98
40) Benzene	8.600	78	494871	45.657	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085445.D
Acq On : 14 Jan 2025 18:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Quant Time: Jan 15 02:20:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	89326	47.155	ug/l		99
42) 1,2-Dichloroethane	8.665	62	185663	45.481	ug/l		100
43) Isopropyl Acetate	8.683	43	265107	45.440	ug/l		99
44) Trichloroethene	9.347	130	110058	43.622	ug/l		96
45) 1,2-Dichloropropane	9.618	63	123876	44.744	ug/l		97
46) Dibromomethane	9.700	93	88325	44.214	ug/l		98
47) Bromodichloromethane	9.889	83	185808	45.655	ug/l		99
48) Methyl methacrylate	9.677	41	131142	49.948	ug/l		97
49) 1,4-Dioxane	9.689	88	35051	792.760	ug/l		98
51) 4-Methyl-2-Pentanone	10.441	43	832426	245.877	ug/l		99
52) Toluene	10.630	92	301911	48.073	ug/l		99
53) t-1,3-Dichloropropene	10.830	75	183680	47.757	ug/l		94
54) cis-1,3-Dichloropropene	10.312	75	196307	47.783	ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	114757	46.173	ug/l		97
56) Ethyl methacrylate	10.871	69	182170	43.762	ug/l		98
57) 1,3-Dichloropropane	11.159	76	202583	46.877	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	403949	256.116	ug/l		99
59) 2-Hexanone	11.194	43	598433	251.213	ug/l		100
60) Dibromochloromethane	11.353	129	137831	45.935	ug/l		99
61) 1,2-Dibromoethane	11.465	107	110926	44.837	ug/l		100
64) Tetrachloroethene	11.100	164	98211	44.886	ug/l		96
65) Chlorobenzene	11.888	112	322723	45.901	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	115379	44.712	ug/l		99
67) Ethyl Benzene	11.959	91	577059	50.391	ug/l		97
68) m/p-Xylenes	12.071	106	437367	103.341	ug/l		100
69) o-Xylene	12.394	106	210698	52.093	ug/l		99
70) Styrene	12.406	104	355459	53.103	ug/l		100
71) Bromoform	12.577	173	90693	49.119	ug/l	#	100
73) Isopropylbenzene	12.694	105	534428	49.951	ug/l		99
74) N-amyl acetate	12.488	43	234342	48.730	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.935	83	164882	43.627	ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	221480	68.739	ug/l		44
77) Bromobenzene	12.977	156	128968	46.138	ug/l		97
78) n-propylbenzene	13.029	91	645977	51.001	ug/l		100
79) 2-Chlorotoluene	13.124	91	392404	47.870	ug/l		99
80) 1,3,5-Trimethylbenzene	13.171	105	456048	51.604	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	66842	56.127	ug/l		86
82) 4-Chlorotoluene	13.218	91	398110	48.776	ug/l		100
83) tert-Butylbenzene	13.435	119	378478	50.997	ug/l		98
84) 1,2,4-Trimethylbenzene	13.477	105	457340	51.922	ug/l		100
85) sec-Butylbenzene	13.612	105	532578	51.777	ug/l		100
86) p-Isopropyltoluene	13.729	119	440284	47.795	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	236387	45.920	ug/l		99
88) 1,4-Dichlorobenzene	13.806	146	235319	44.102	ug/l		99
89) n-Butylbenzene	14.053	91	373227	50.578	ug/l		99
90) Hexachloroethane	14.329	117	88538	45.215	ug/l		100
91) 1,2-Dichlorobenzene	14.100	146	231646	45.113	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.718	75	31899	46.221	ug/l		97
93) 1,2,4-Trichlorobenzene	15.388	180	109157	45.739	ug/l		98
94) Hexachlorobutadiene	15.500	225	53358	42.112	ug/l		99
95) Naphthalene	15.641	128	335535	47.116	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	107583	44.551	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085445.D
Acq On : 14 Jan 2025 18:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Quant Time: Jan 15 02:20:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

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

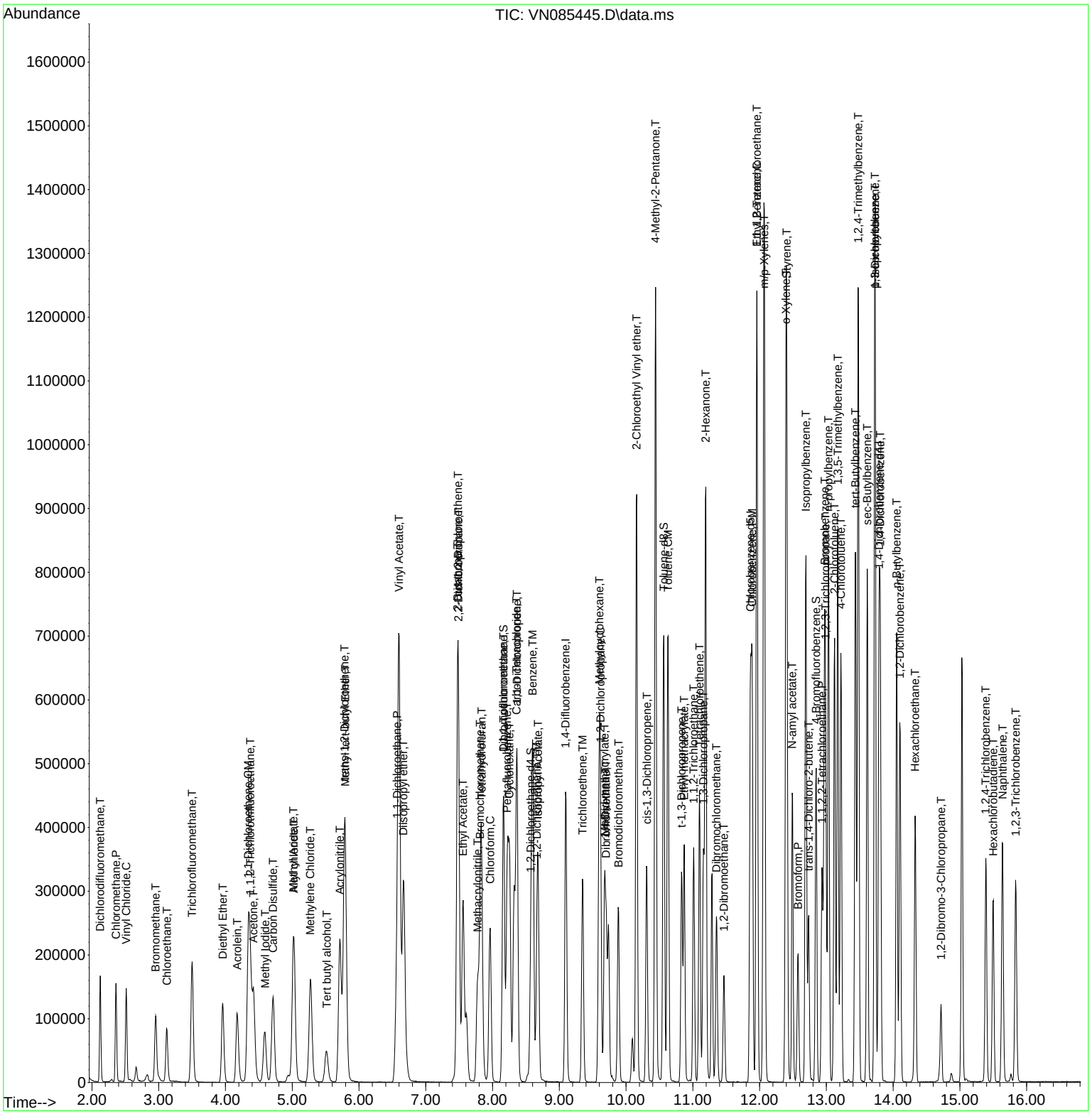
(#) = qualifier out of range (m) = manual integration (+) = signals summed

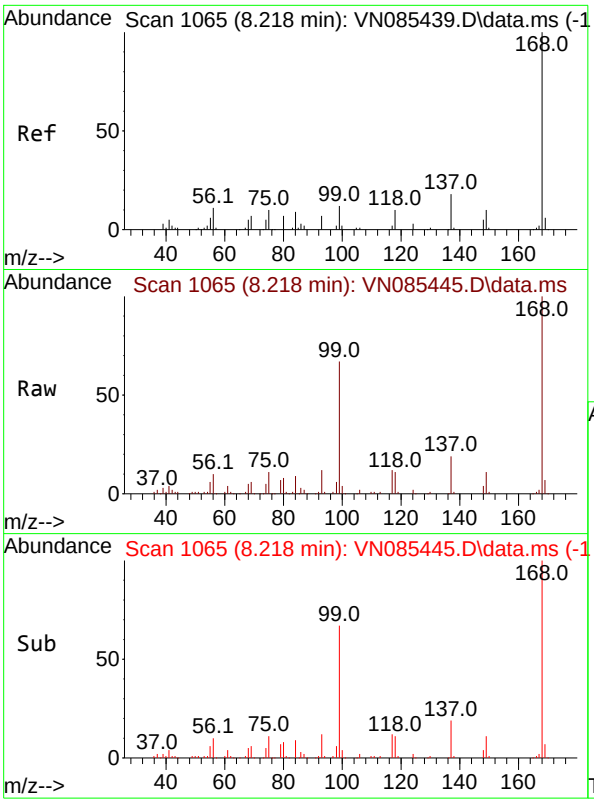
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085445.D
Acq On : 14 Jan 2025 18:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Quant Time: Jan 15 02:20:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration



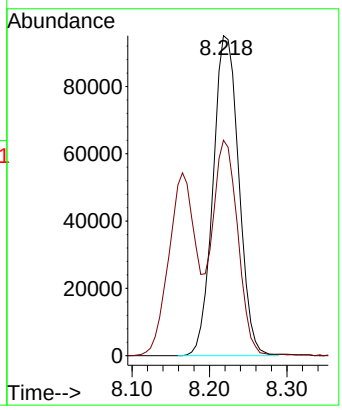


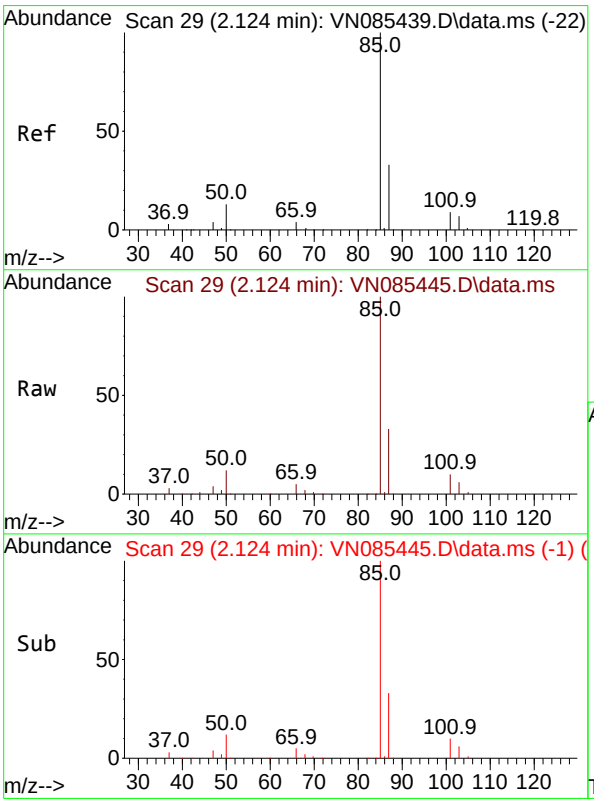
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Tgt Ion:168 Resp: 219757

Ion	Ratio	Lower	Upper
168	100		
99	66.9	53.6	80.4

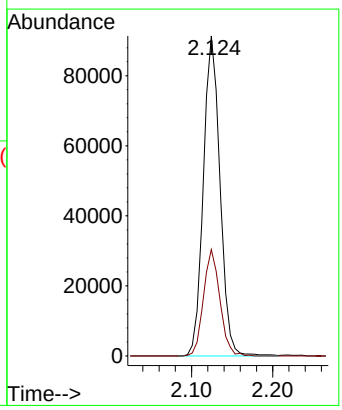


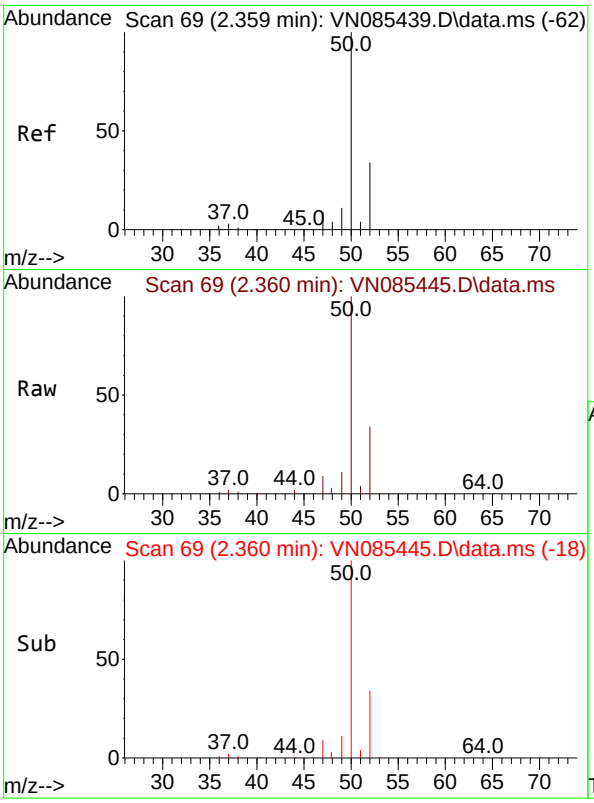


#2
Dichlorodifluoromethane
Concen: 43.772 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 85 Resp: 130242

Ion	Ratio	Lower	Upper
85	100		
87	33.2	16.7	50.1



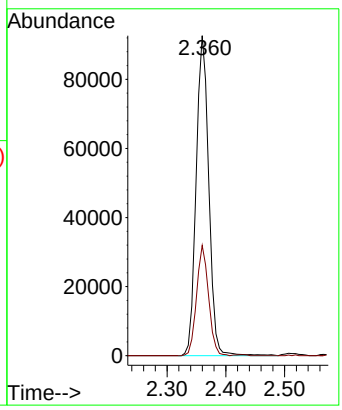


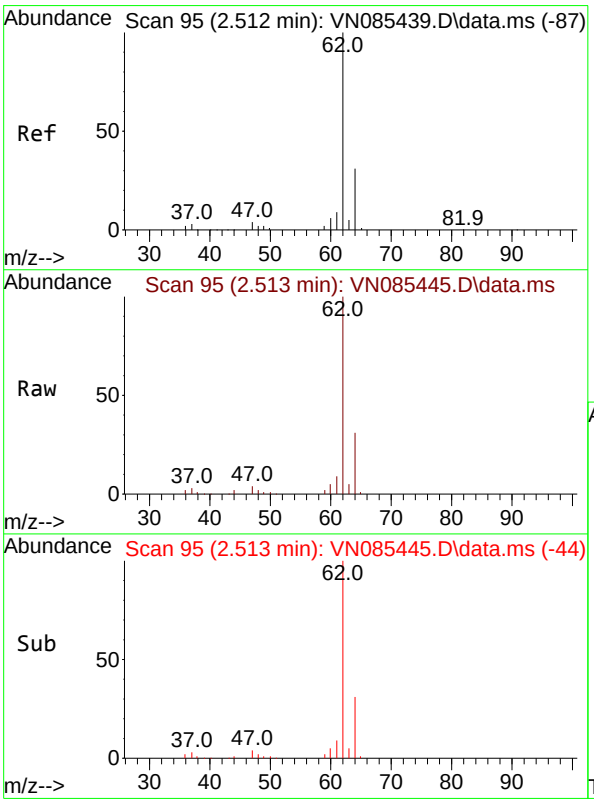
#3
Chloromethane
Concen: 42.883 ug/l
RT: 2.360 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Tgt Ion: 50 Resp: 138152

Ion	Ratio	Lower	Upper
50	100		
52	34.4	27.0	40.6

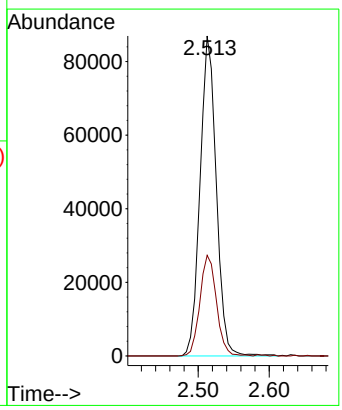


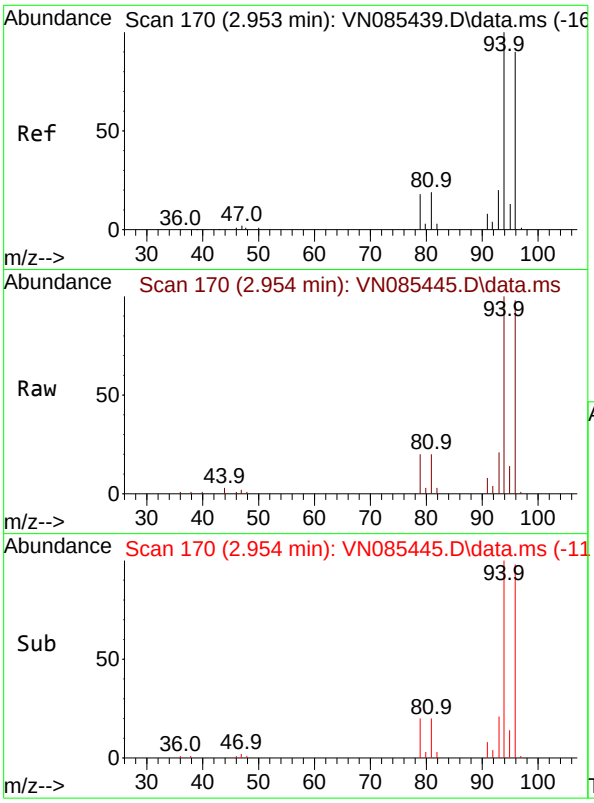


#4
Vinyl Chloride
Concen: 42.715 ug/l
RT: 2.513 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 62 Resp: 138316

Ion	Ratio	Lower	Upper
62	100		
64	31.4	24.8	37.2



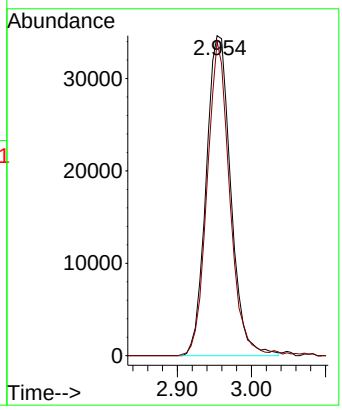


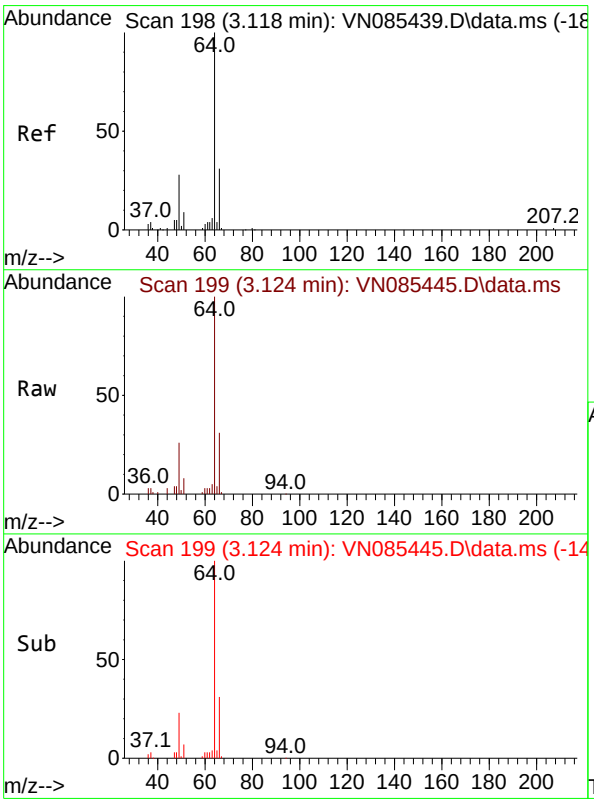
#5
Bromomethane
Concen: 40.910 ug/l
RT: 2.954 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Tgt Ion: 94 Resp: 80019

Ion	Ratio	Lower	Upper
94	100		
96	98.2	71.8	107.6

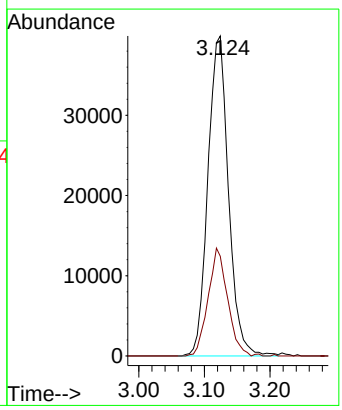


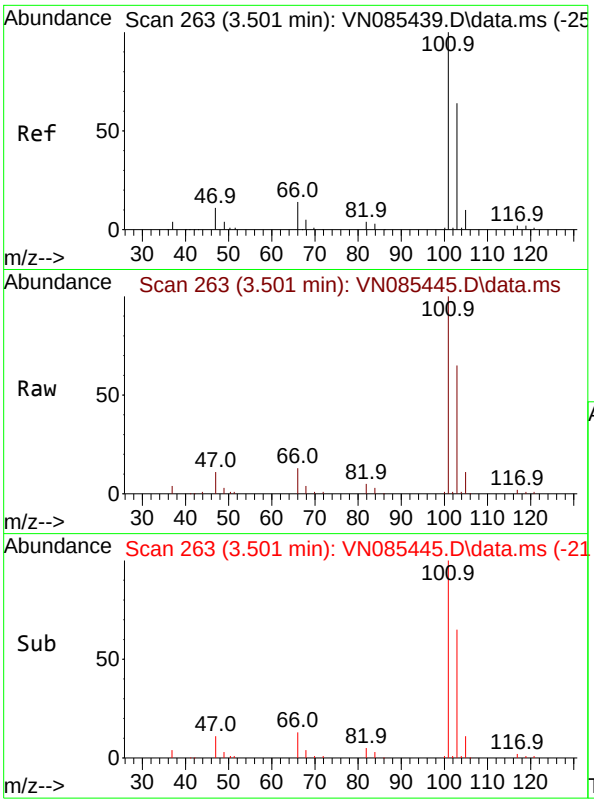


#6
Chloroethane
Concen: 42.299 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 64 Resp: 86837

Ion	Ratio	Lower	Upper
64	100		
66	31.1	24.6	36.8



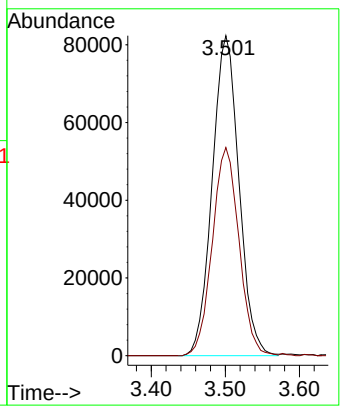


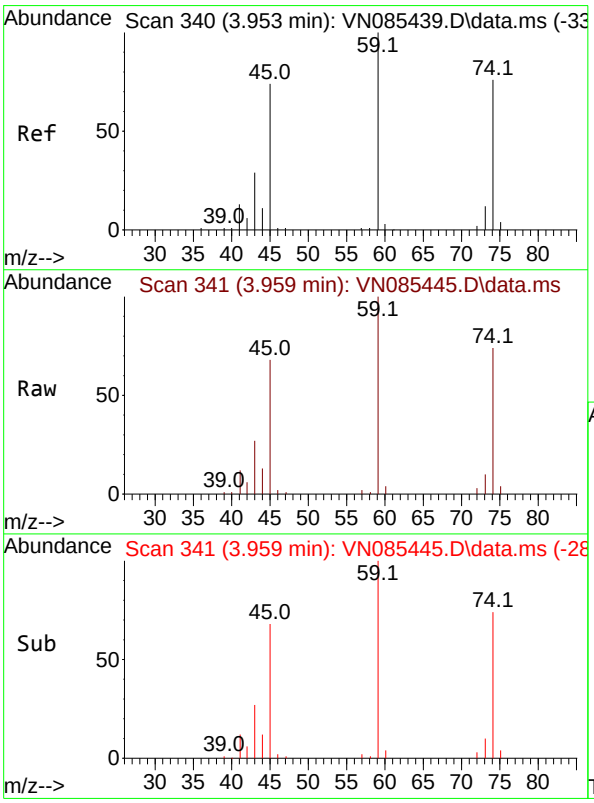
#7
Trichlorofluoromethane
Concen: 43.956 ug/l
RT: 3.501 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Tgt Ion:101 Resp: 206526

Ion	Ratio	Lower	Upper
101	100		
103	65.1	51.4	77.2

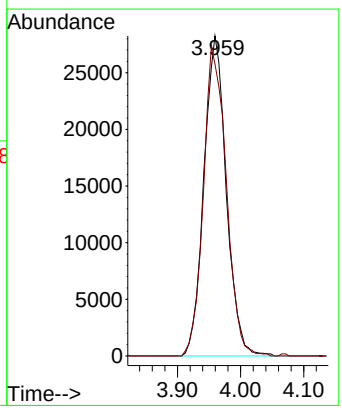


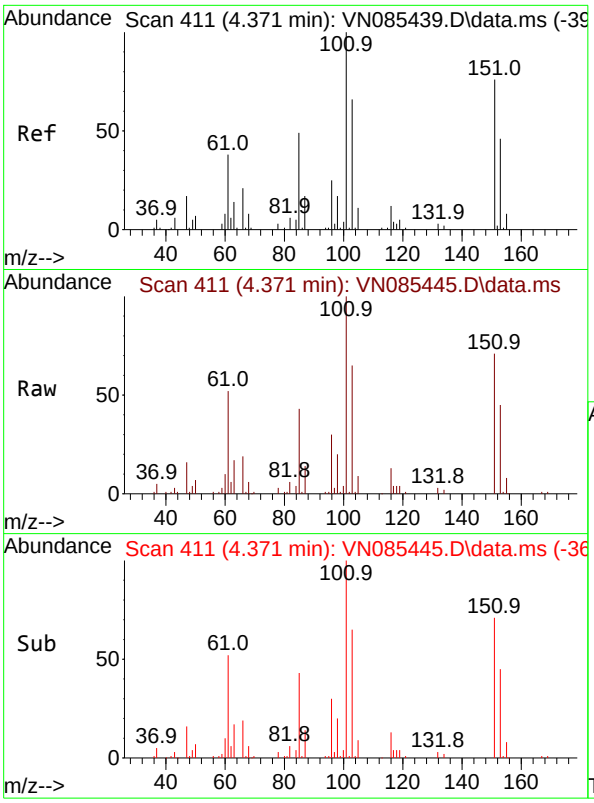


#8
Diethyl Ether
Concen: 42.846 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.006 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 74 Resp: 69545

Ion	Ratio	Lower	Upper
74	100		
45	99.0	49.7	149.1



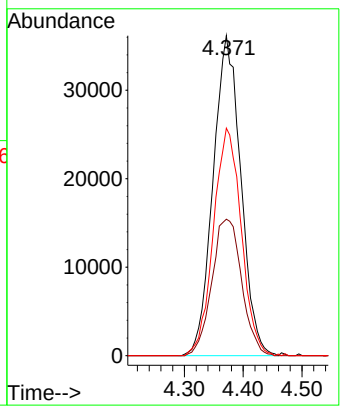


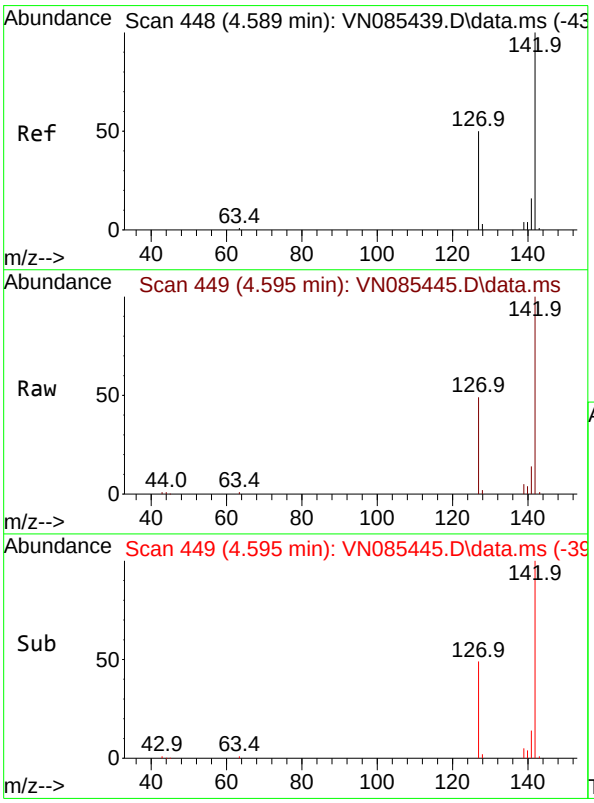
#9
1,1,2-Trichlorotrifluoroethane
Concen: 44.706 ug/l
RT: 4.371 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Tgt Ion:101 Resp: 118310

Ion	Ratio	Lower	Upper
101	100		
85	45.9	37.8	56.8
151	71.5	58.8	88.2

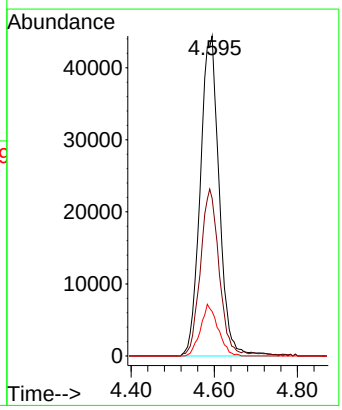


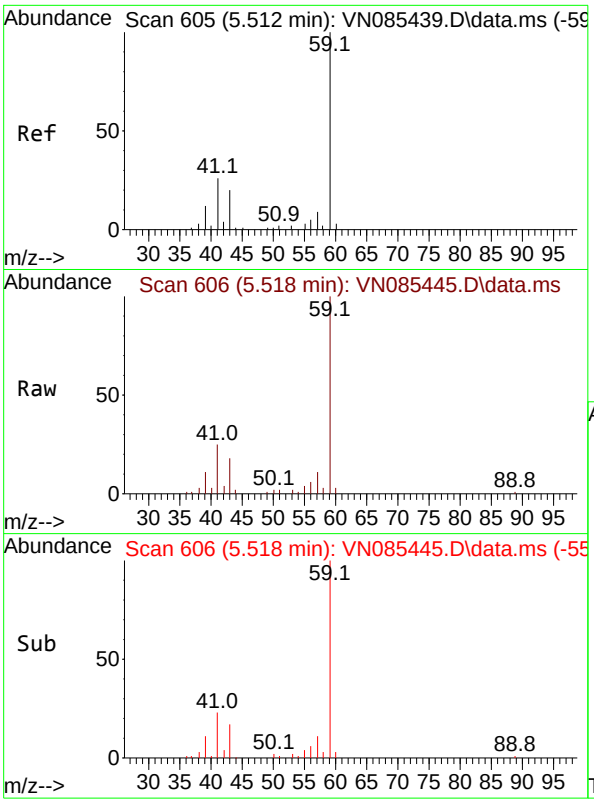


#10
Methyl Iodide
Concen: 46.259 ug/l
RT: 4.595 min Scan# 449
Delta R.T. 0.006 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion:142 Resp: 140190

Ion	Ratio	Lower	Upper
142	100		
127	49.2	40.3	60.5
141	13.9	12.8	19.2



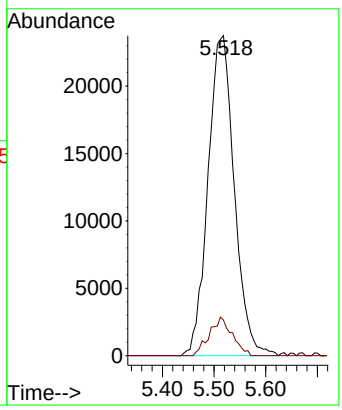


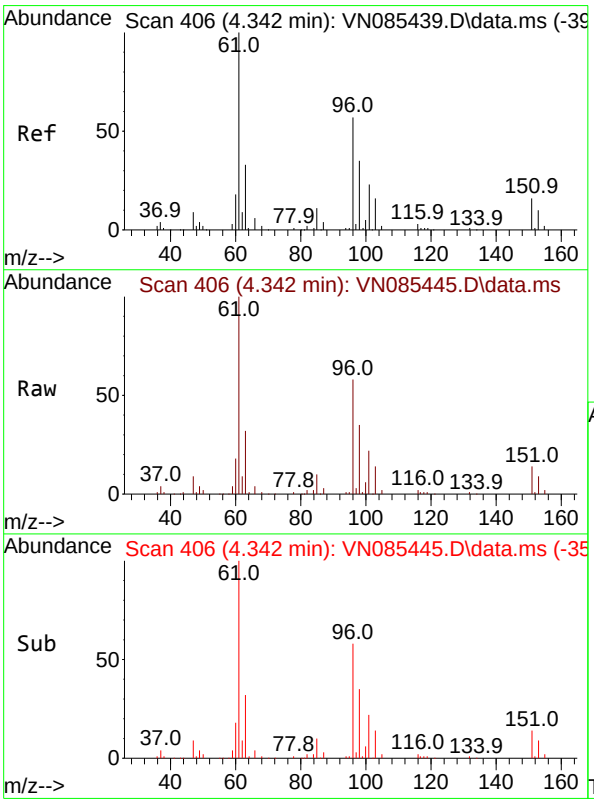
#11
Tert butyl alcohol
Concen: 206.633 ug/l
RT: 5.518 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Tgt Ion: 59 Resp: 83933

Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.6	13.0

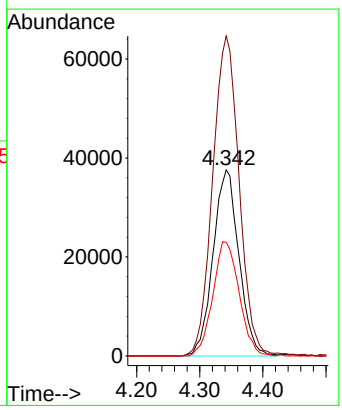


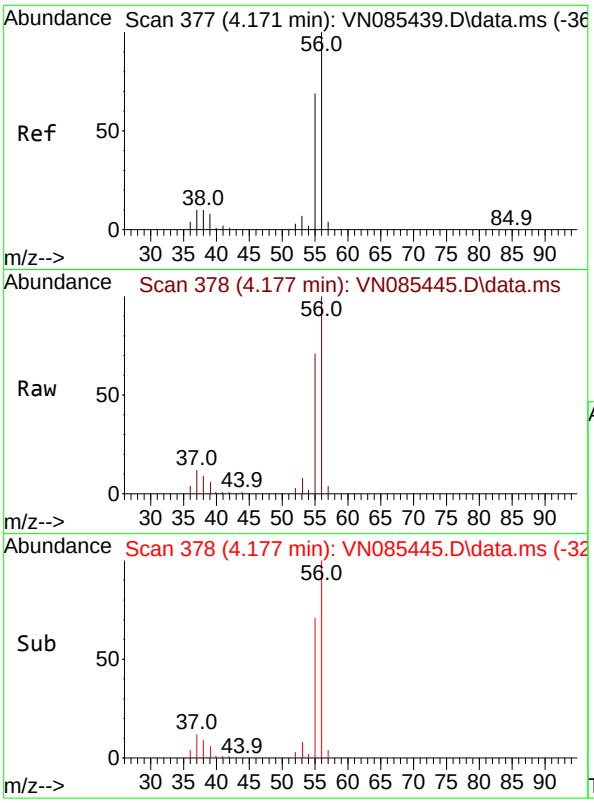


#12
1,1-Dichloroethene
Concen: 45.317 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 96 Resp: 106880

Ion	Ratio	Lower	Upper
96	100		
61	171.9	141.0	211.4
98	61.0	49.0	73.6



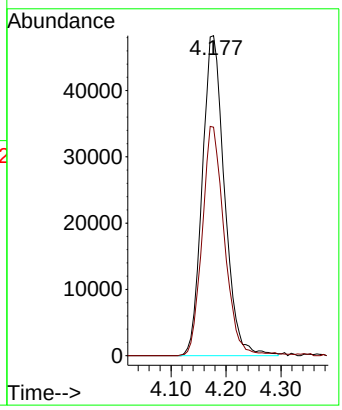


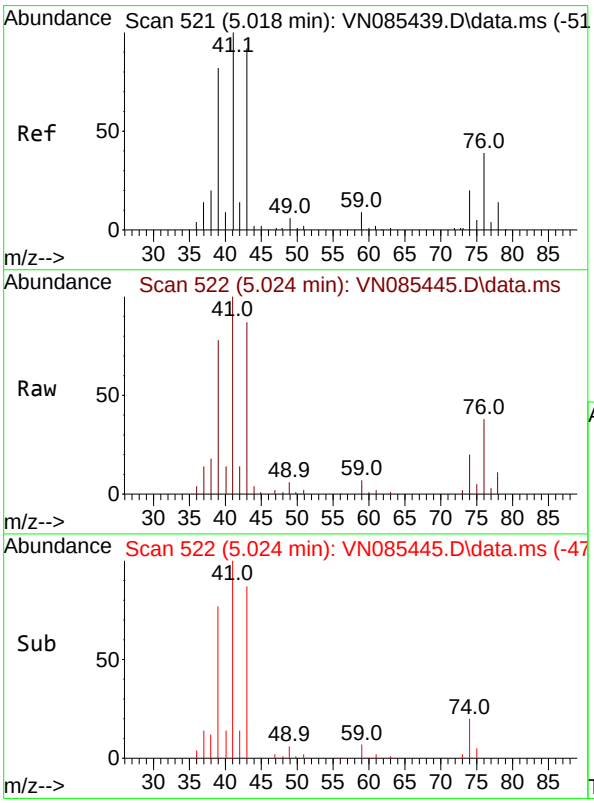
#13
Acrolein
Concen: 244.765 ug/l
RT: 4.177 min Scan# 3
Delta R.T. 0.006 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Tgt Ion: 56 Resp: 135720

Ion	Ratio	Lower	Upper
56	100		
55	70.9	56.3	84.5

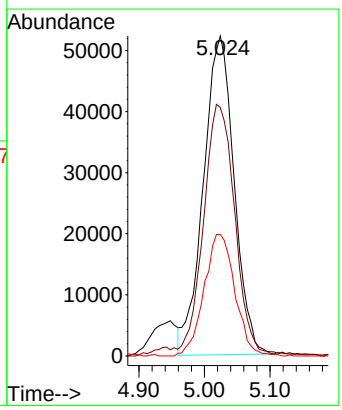


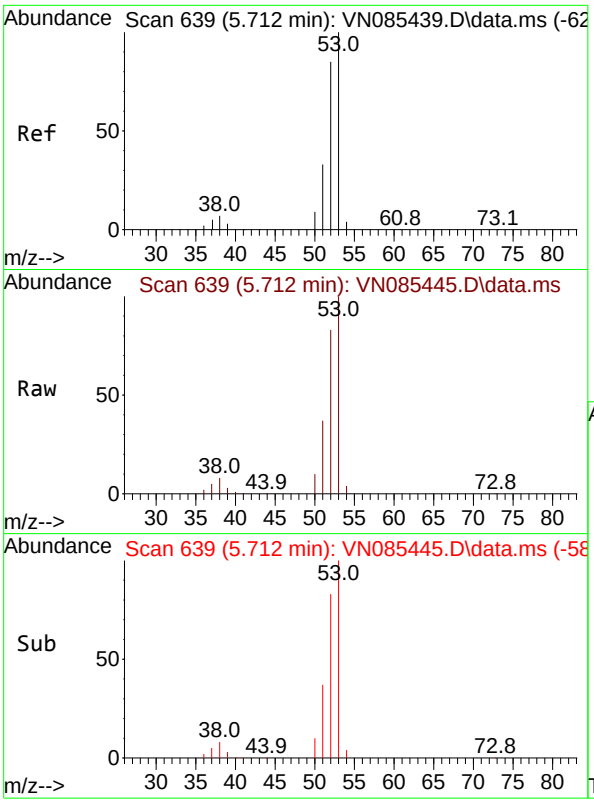


#14
Allyl chloride
Concen: 44.501 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 41 Resp: 170308

Ion	Ratio	Lower	Upper
41	100		
39	78.9	64.4	96.6
76	38.2	30.5	45.7



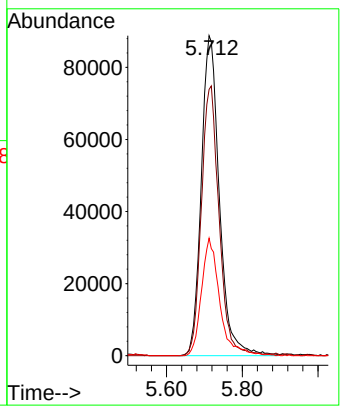


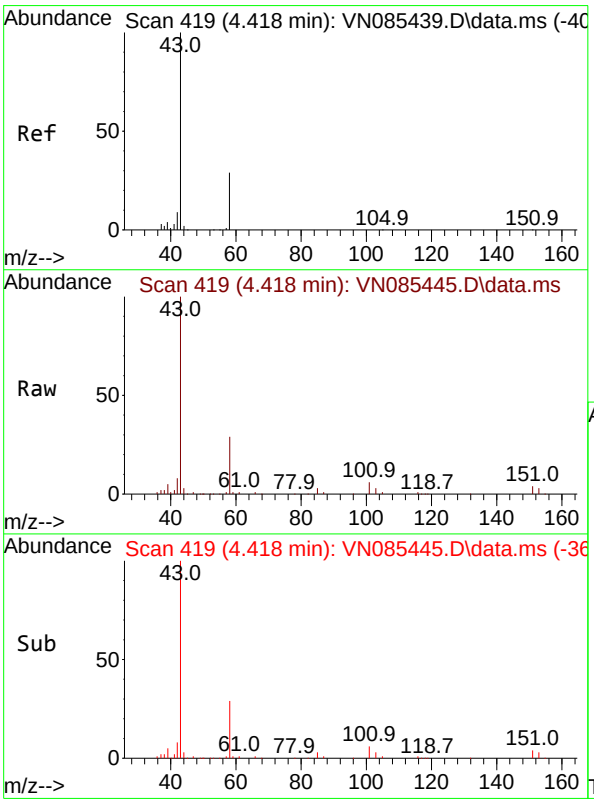
#15
Acrylonitrile
Concen: 227.920 ug/l
RT: 5.712 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Tgt Ion: 53 Resp: 294062

Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.5	98.3
51	36.8	29.8	44.8

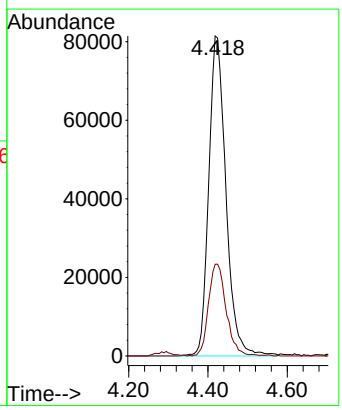


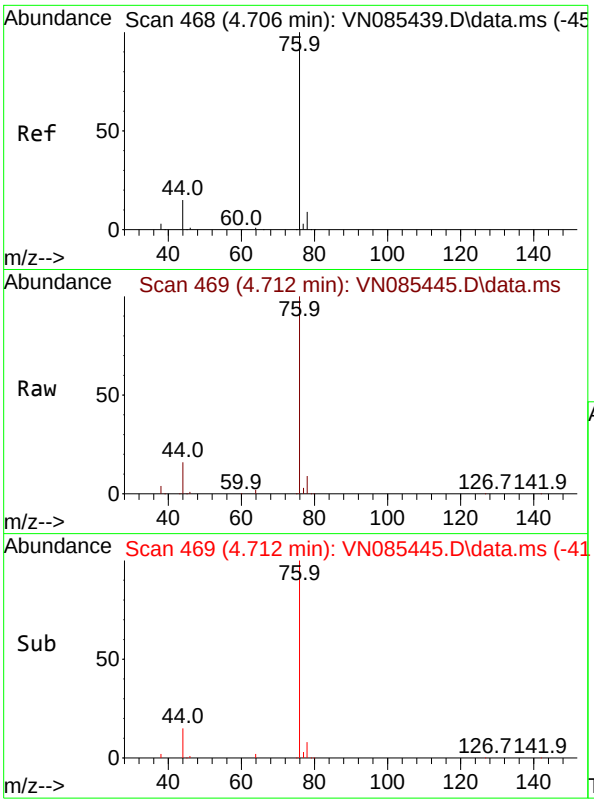


#16
Acetone
Concen: 213.971 ug/l
RT: 4.418 min Scan# 419
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 43 Resp: 245248

Ion	Ratio	Lower	Upper
43	100		
58	28.4	23.8	35.6



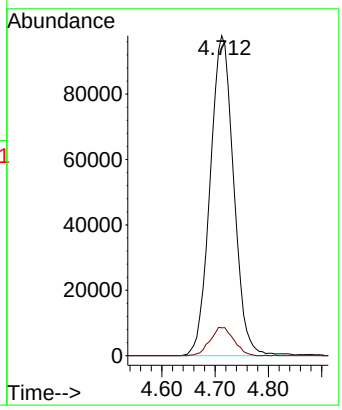


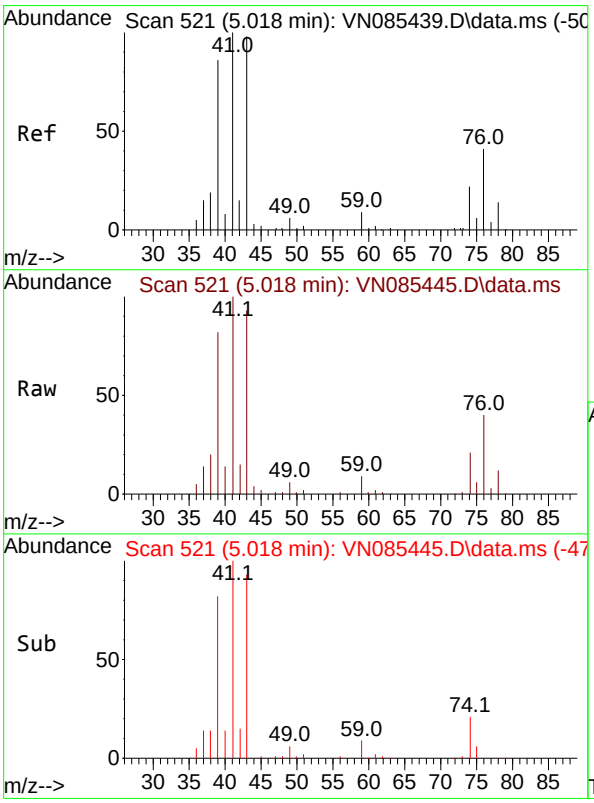
#17
Carbon Disulfide
Concen: 41.342 ug/l
RT: 4.712 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Tgt Ion: 76 Resp: 300215

Ion	Ratio	Lower	Upper
76	100		
78	8.7	6.9	10.3

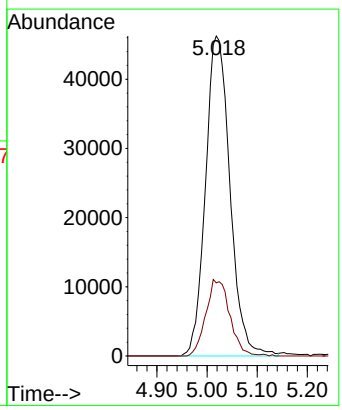


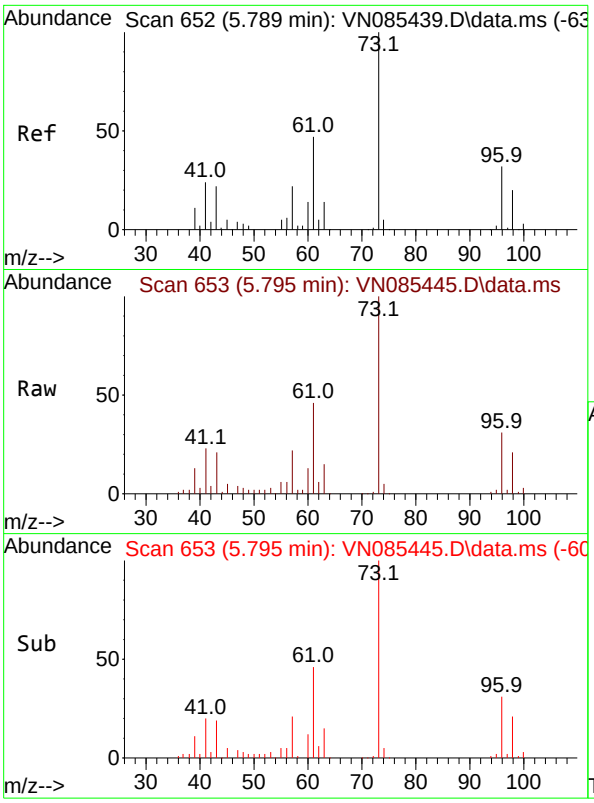


#18
Methyl Acetate
Concen: 45.028 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 43 Resp: 156938

Ion	Ratio	Lower	Upper
43	100		
74	23.4	18.6	28.0



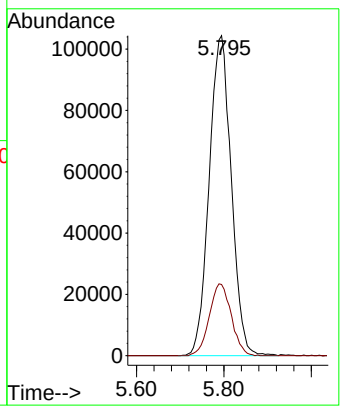


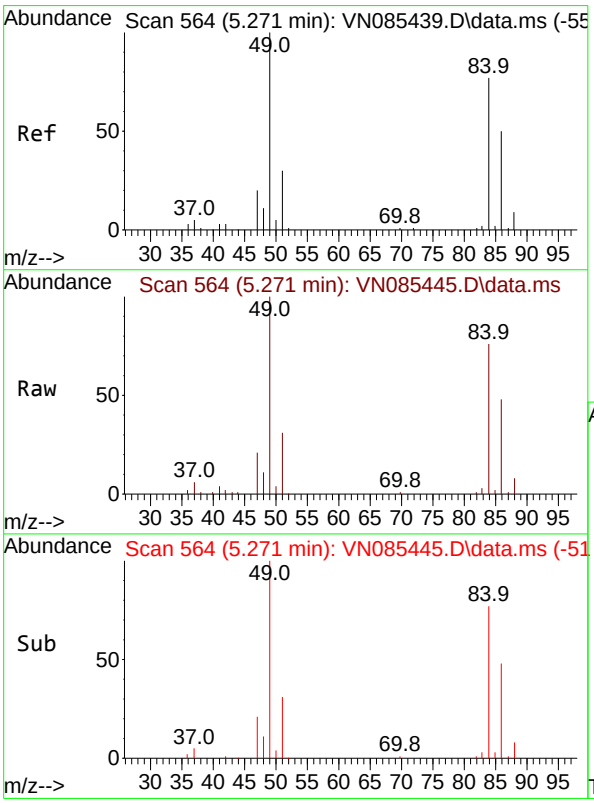
#19
Methyl tert-butyl Ether
Concen: 47.768 ug/l
RT: 5.795 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Tgt Ion: 73 Resp: 365819

Ion	Ratio	Lower	Upper
73	100		
57	22.3	17.8	26.8

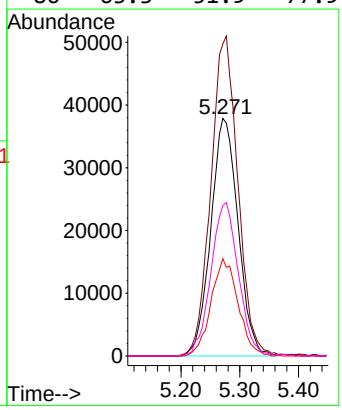


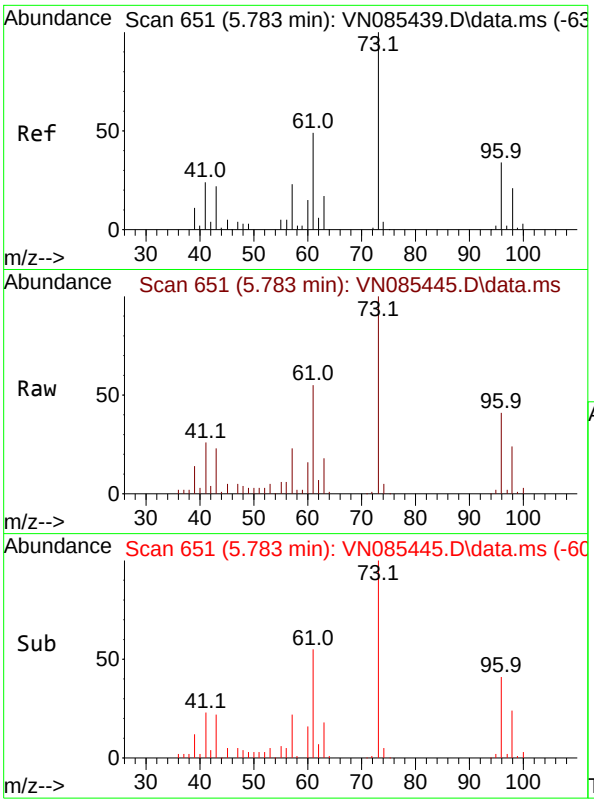


#20
Methylene Chloride
Concen: 43.017 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 84 Resp: 122059

Ion	Ratio	Lower	Upper
84	100		
49	131.3	104.1	156.1
51	41.0	31.0	46.4
86	63.3	51.9	77.9



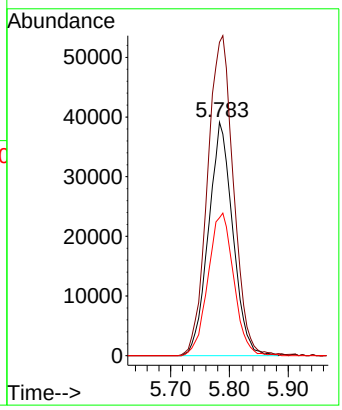


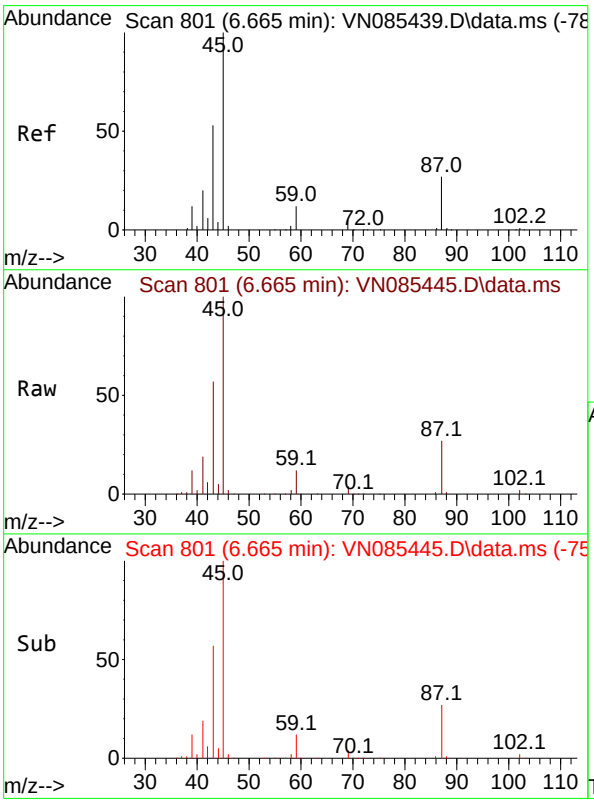
#21
trans-1,2-Dichloroethene
Concen: 44.672 ug/l
RT: 5.783 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Tgt Ion: 96 Resp: 112597

Ion	Ratio	Lower	Upper
96	100		
61	134.3	115.7	173.5
98	59.1	49.8	74.8

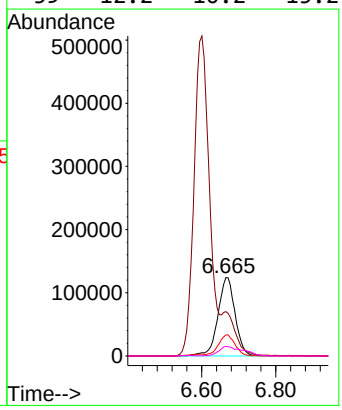


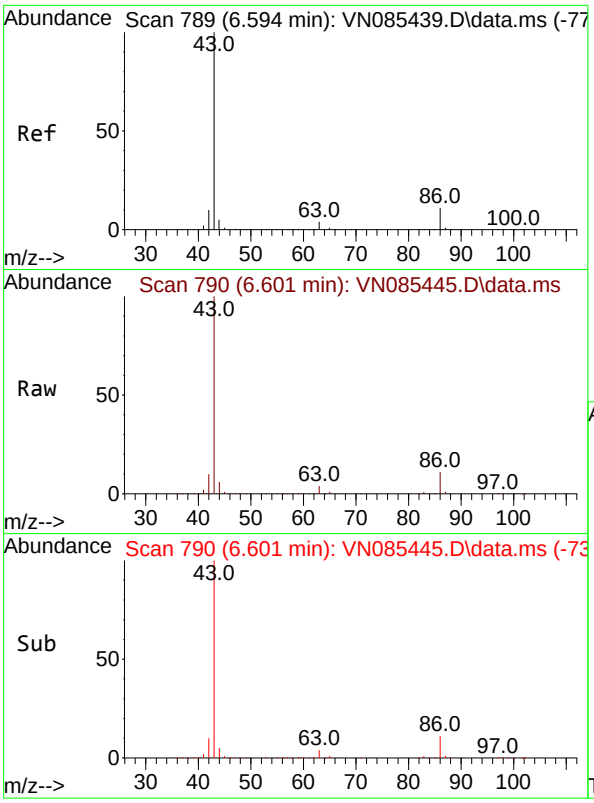


#22
Diisopropyl ether
Concen: 46.996 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 45 Resp: 399206

Ion	Ratio	Lower	Upper
45	100		
43	56.0	45.0	67.6
87	26.8	21.8	32.8
59	12.2	10.2	15.2



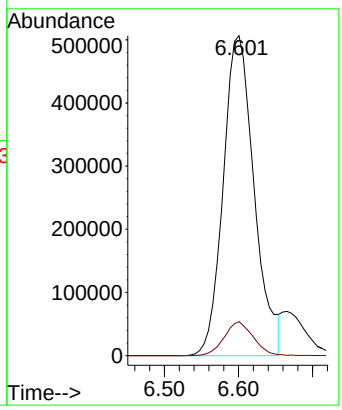


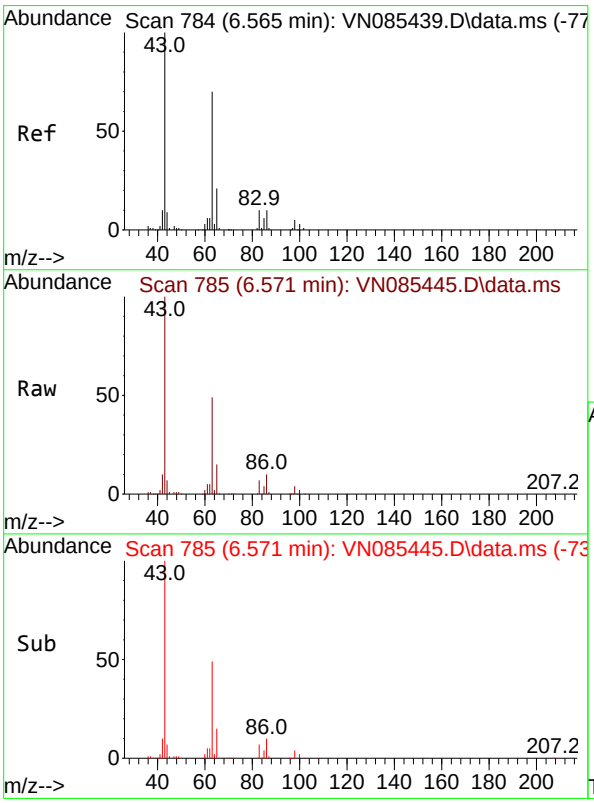
#23
Vinyl Acetate
Concen: 247.459 ug/l
RT: 6.601 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Tgt Ion: 43 Resp: 1471068

Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.4	12.6

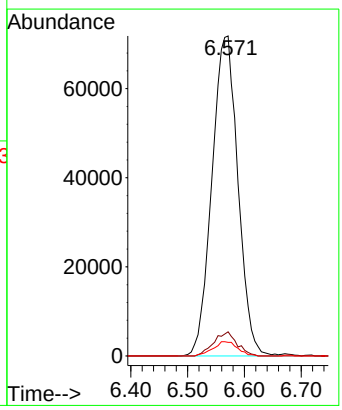


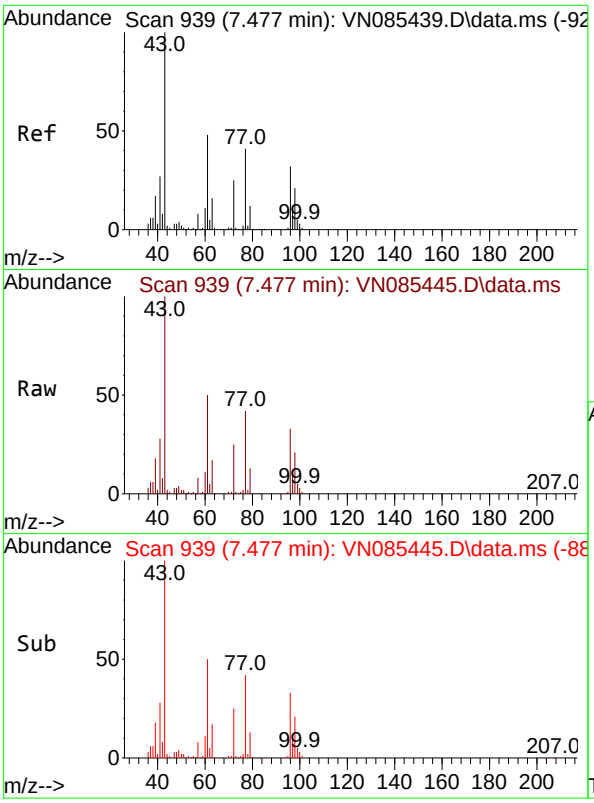


#24
1,1-Dichloroethane
Concen: 44.114 ug/l
RT: 6.571 min Scan# 785
Delta R.T. 0.006 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 63 Resp: 228489

Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.3	9.8
100	4.2	2.0	6.0



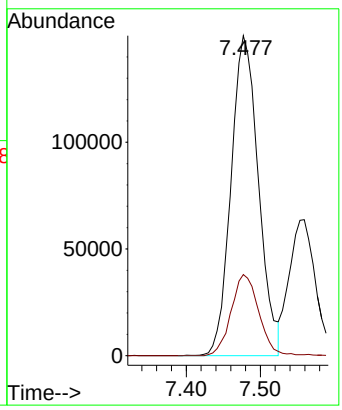


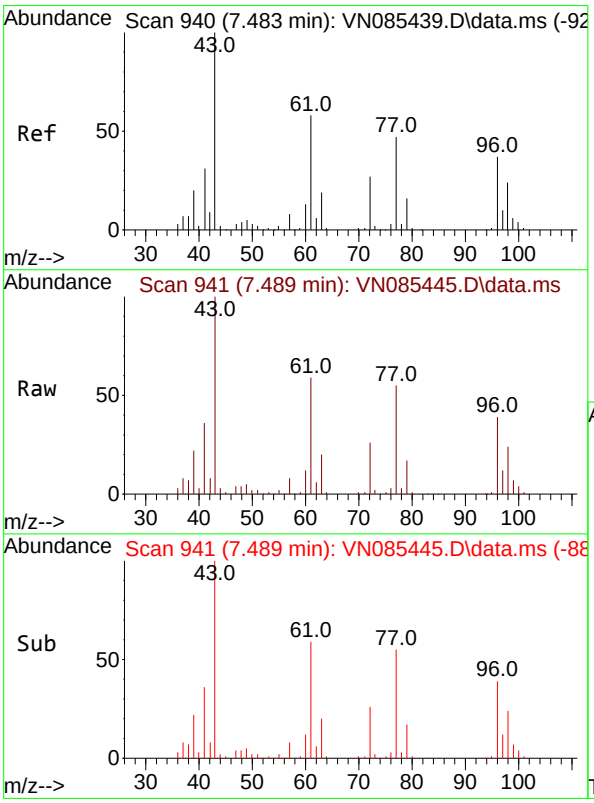
#25
2-Butanone
Concen: 228.924 ug/l
RT: 7.477 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Tgt Ion: 43 Resp: 386125

Ion	Ratio	Lower	Upper
43	100		
72	25.4	20.2	30.4

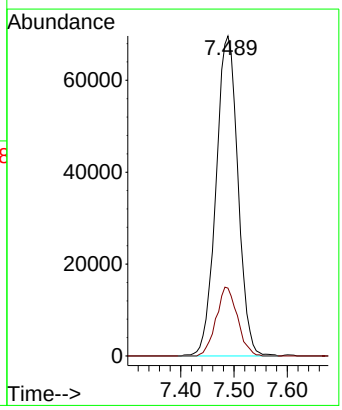


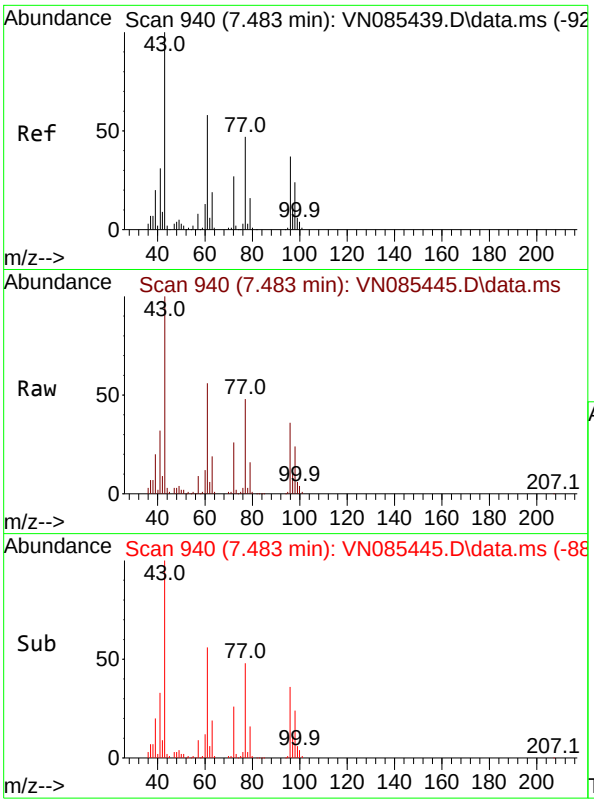


#26
2,2-Dichloropropane
Concen: 47.593 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 77 Resp: 199303

Ion	Ratio	Lower	Upper
77	100		
97	20.9	10.7	32.1



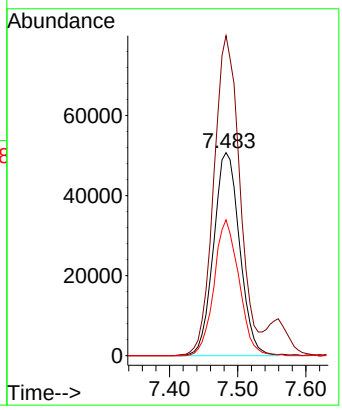


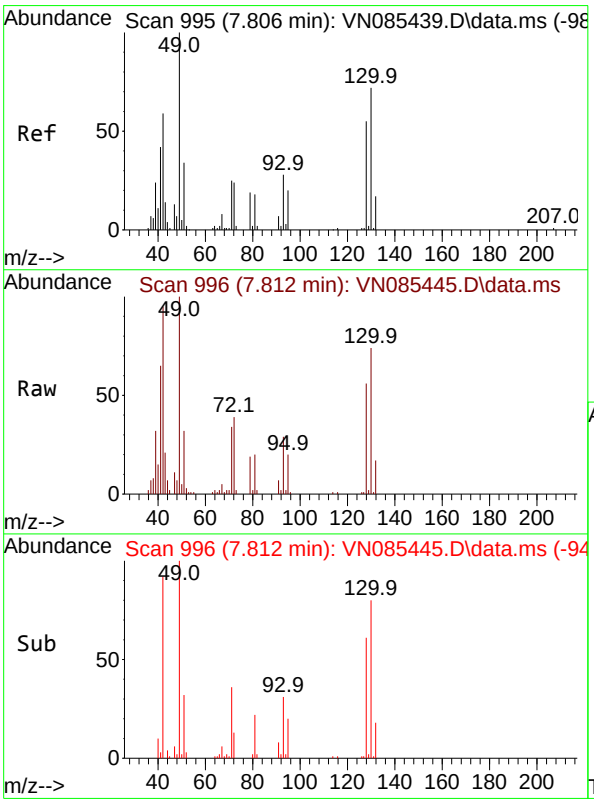
#27
cis-1,2-Dichloroethene
Concen: 45.446 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Tgt Ion: 96 Resp: 134920

Ion	Ratio	Lower	Upper
96	100		
61	158.0	0.0	311.8
98	64.1	0.0	126.0

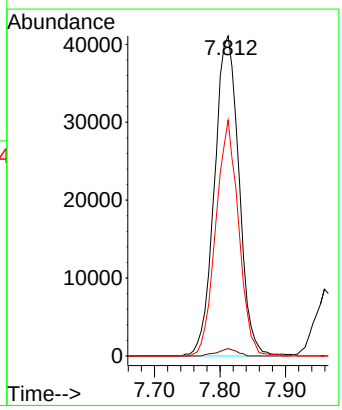


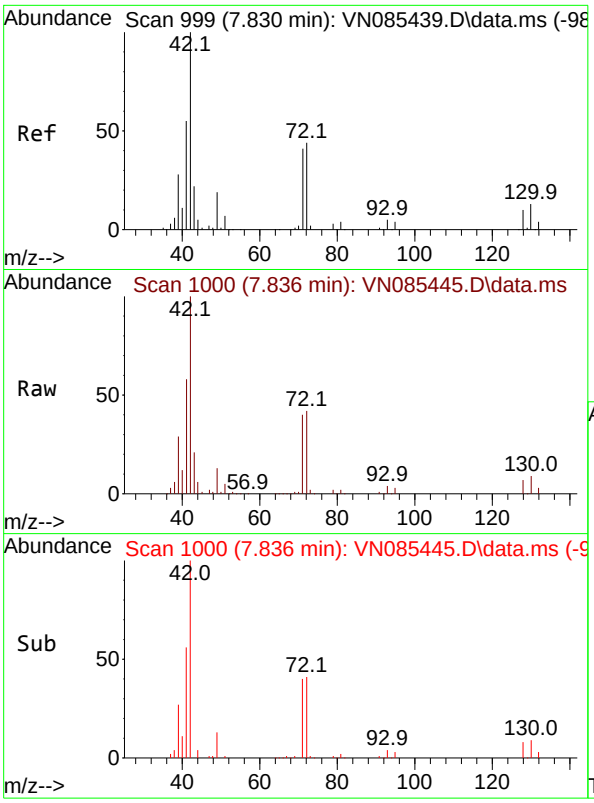


#28
Bromochloromethane
Concen: 44.122 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 49 Resp: 106323

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.4
130	68.6	55.0	82.4



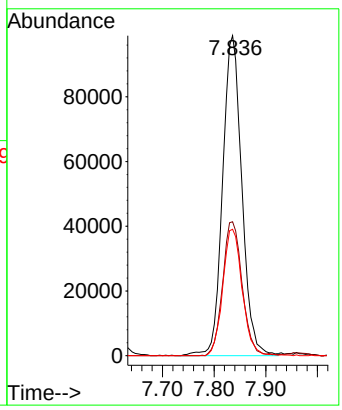


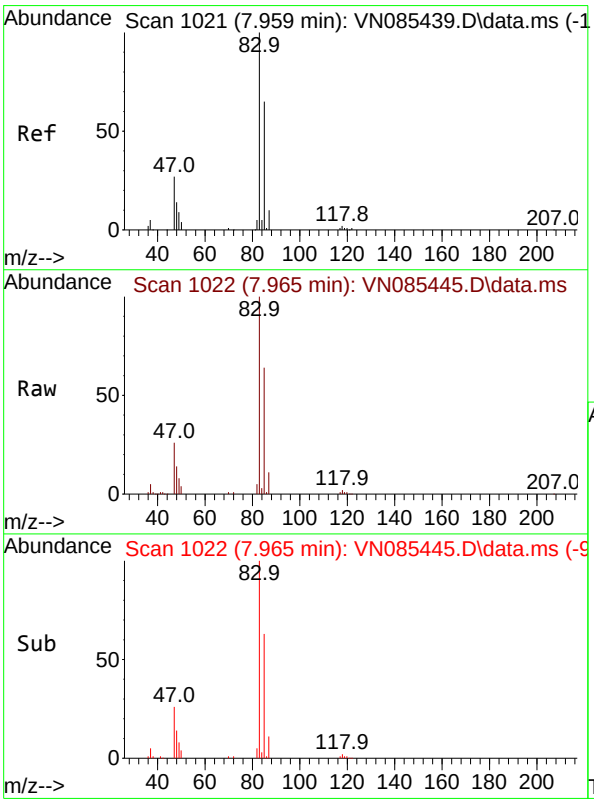
#29
Tetrahydrofuran
Concen: 239.065 ug/l
RT: 7.836 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Tgt Ion: 42 Resp: 255650

Ion	Ratio	Lower	Upper
42	100		
72	42.5	34.2	51.2
71	39.9	32.5	48.7

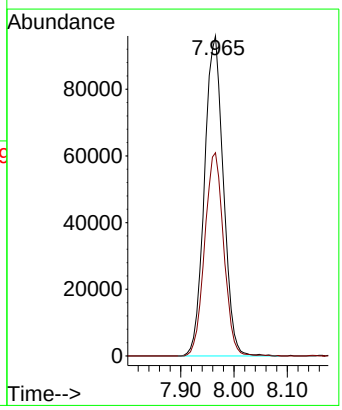


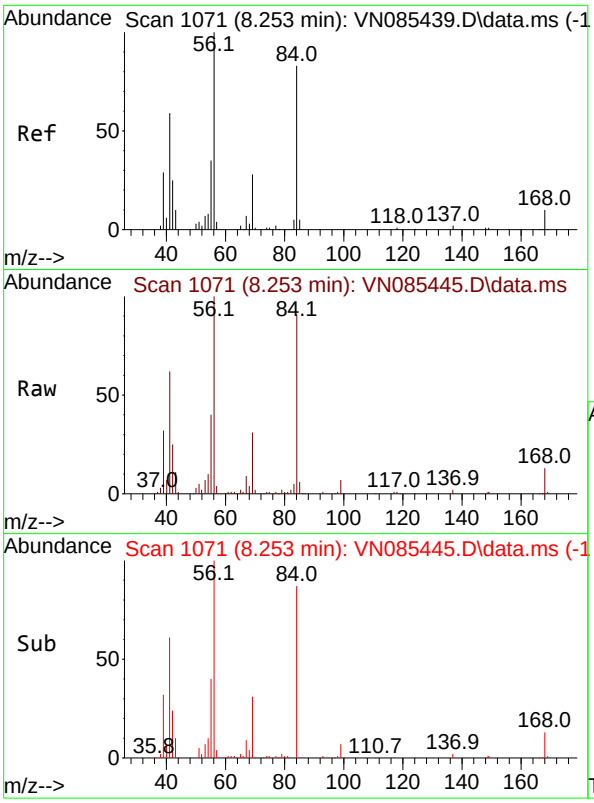


#30
Chloroform
Concen: 44.071 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 83 Resp: 235923

Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.8	77.6



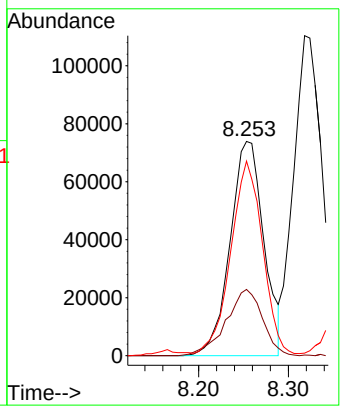


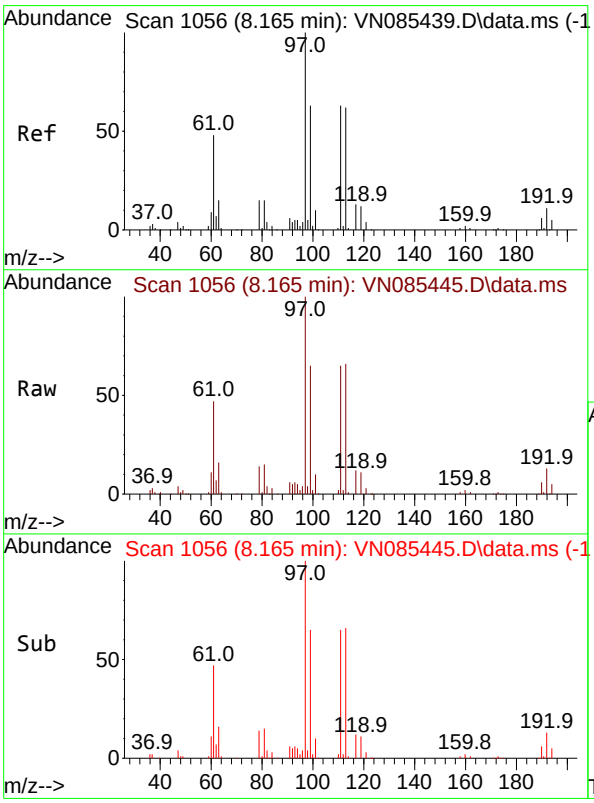
#31
Cyclohexane
Concen: 42.878 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Tgt Ion: 56 Resp: 193034

Ion	Ratio	Lower	Upper
56	100		
69	30.5	22.2	33.4
84	89.4	66.4	99.6

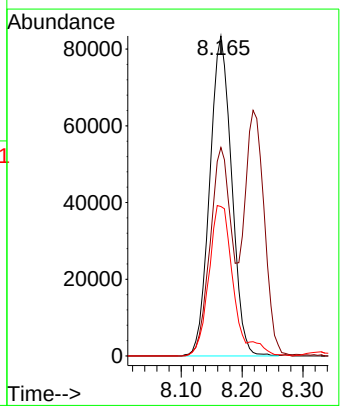


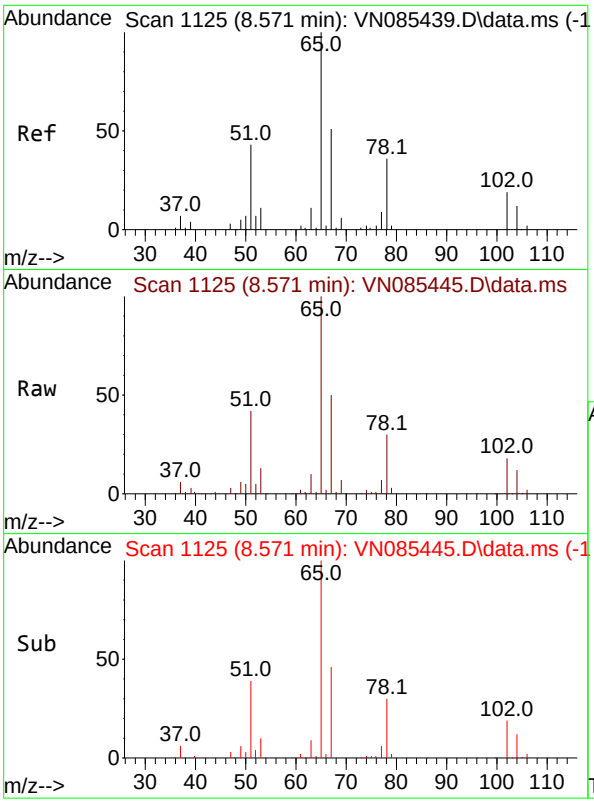


#32
1,1,1-Trichloroethane
Concen: 44.332 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 97 Resp: 208172

Ion	Ratio	Lower	Upper
97	100		
99	61.8	49.8	74.6
61	52.8	41.4	62.2



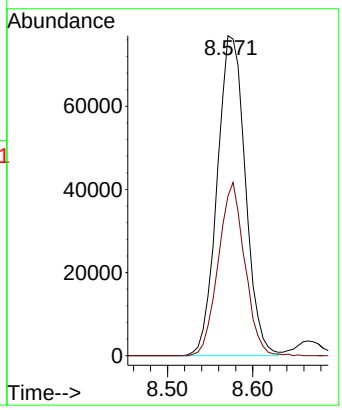


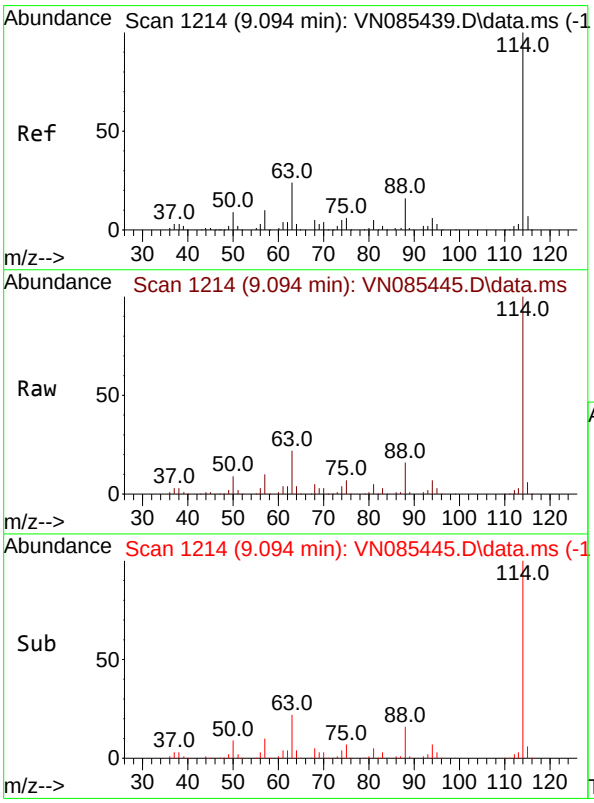
#33
1,2-Dichloroethane-d4
Concen: 49.782 ug/l
RT: 8.571 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Tgt Ion: 65 Resp: 176594

Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	101.6

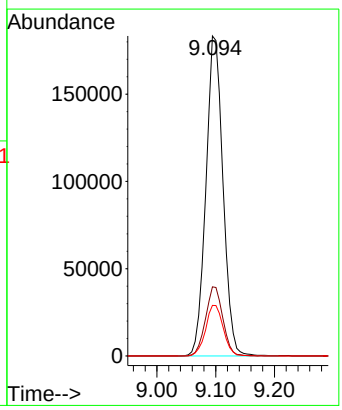


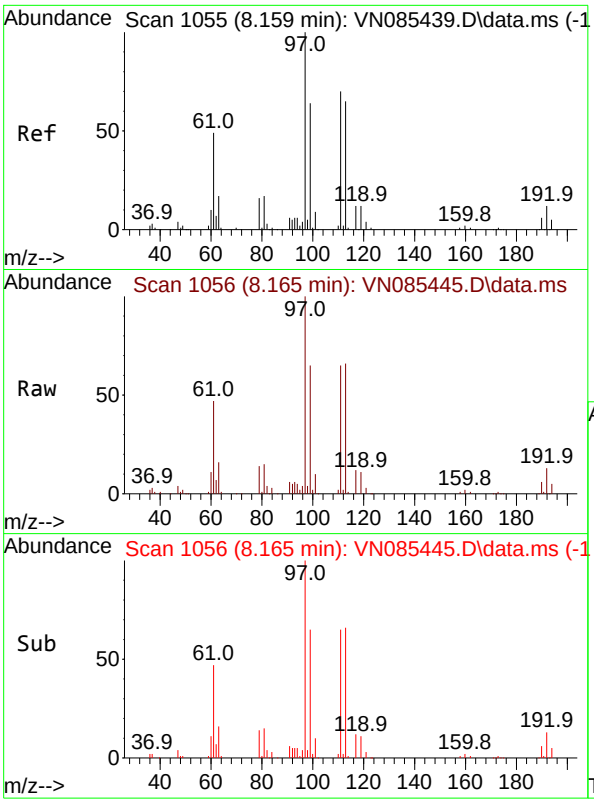


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion:114 Resp: 370487

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	47.6
88	15.8	0.0	32.6



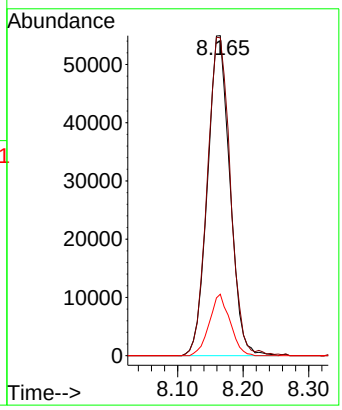


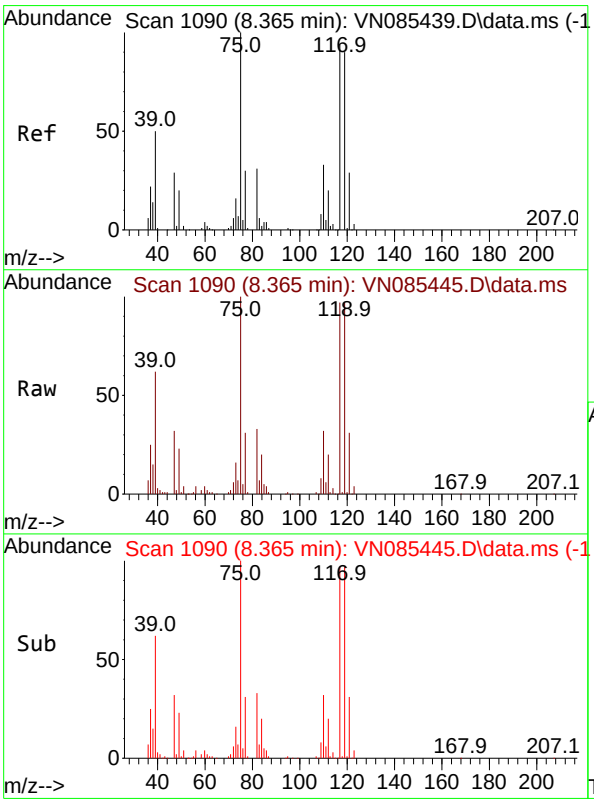
#35
Dibromofluoromethane
Concen: 50.768 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Tgt Ion:113 Resp: 130487

Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.7	124.1
192	17.7	14.3	21.5

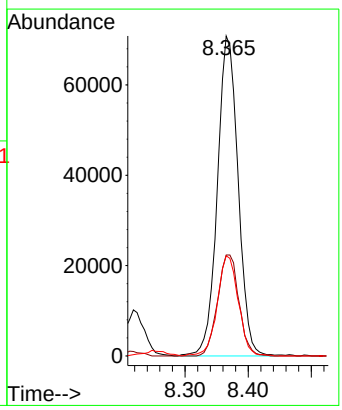


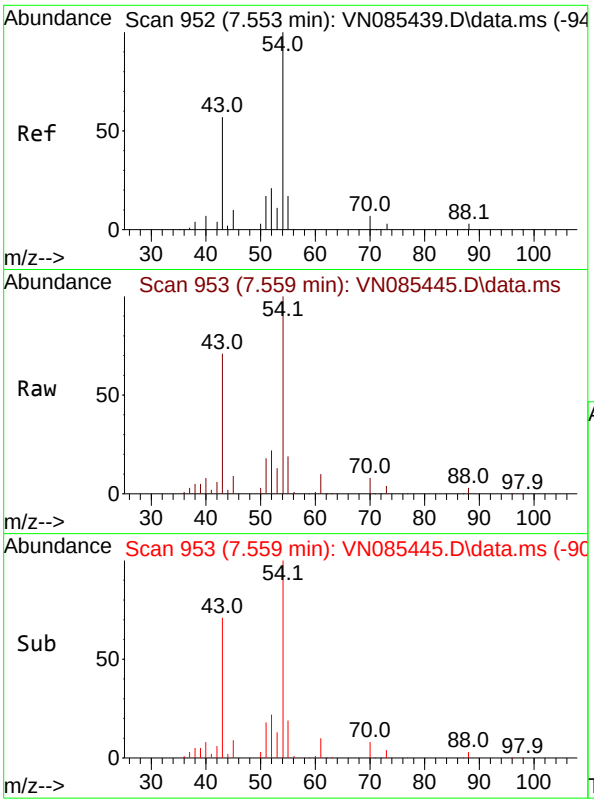


#36
1,1-Dichloropropene
Concen: 44.863 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 75 Resp: 161834

Ion	Ratio	Lower	Upper
75	100		
110	32.4	16.5	49.5
77	31.8	24.4	36.6



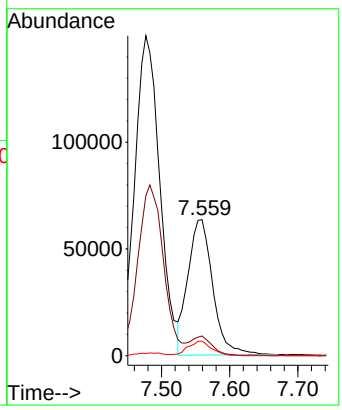


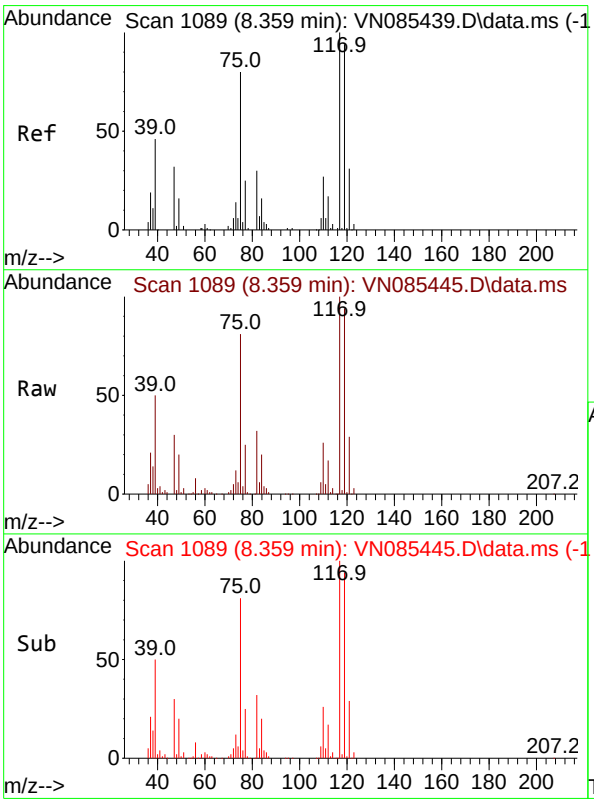
#37
Ethyl Acetate
Concen: 44.123 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Tgt Ion: 43 Resp: 160656

Ion	Ratio	Lower	Upper
43	100		
61	11.9	10.9	16.3
70	10.2	7.5	11.3

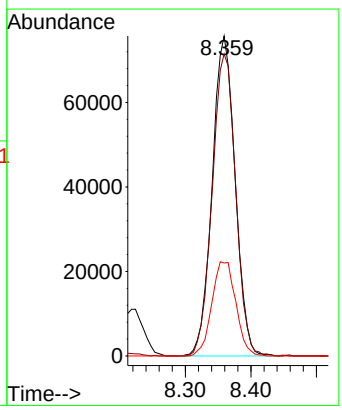


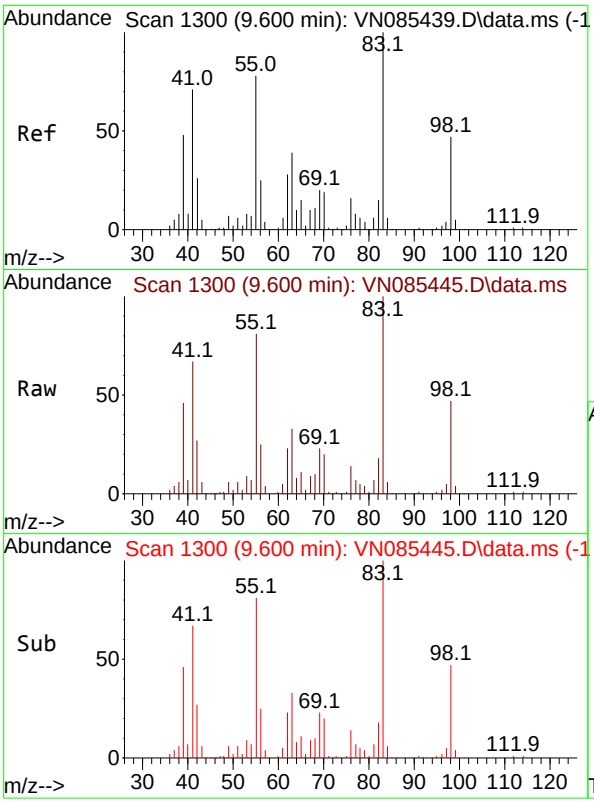


#38
Carbon Tetrachloride
Concen: 44.456 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion:117 Resp: 183592

Ion	Ratio	Lower	Upper
117	100		
119	94.4	75.4	113.2
121	29.0	24.6	37.0



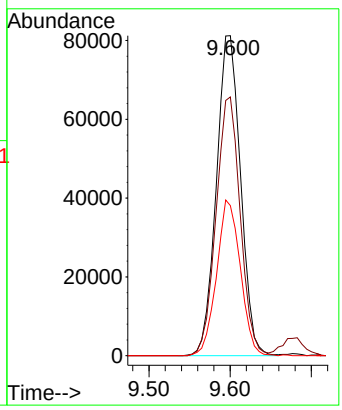


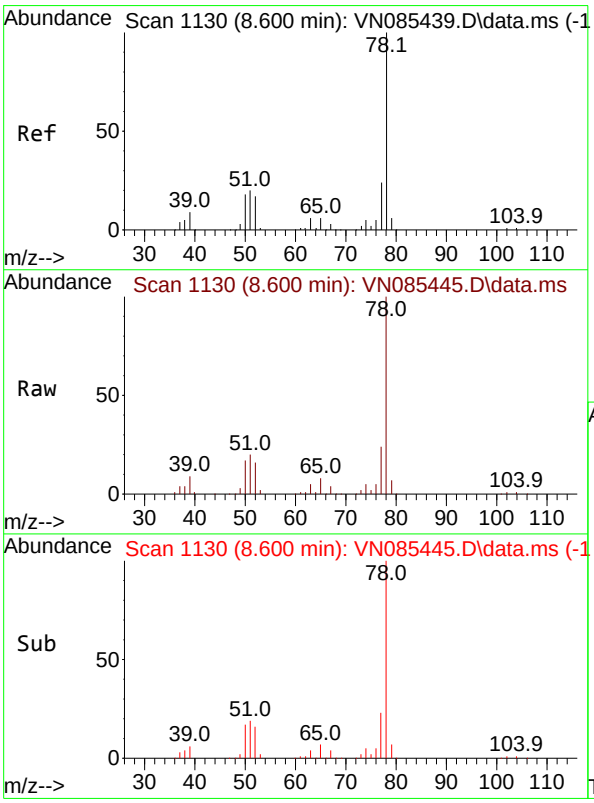
#39
Methylcyclohexane
Concen: 49.687 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Tgt Ion: 83 Resp: 168431

Ion	Ratio	Lower	Upper
83	100		
55	80.9	62.6	94.0
98	46.9	37.7	56.5

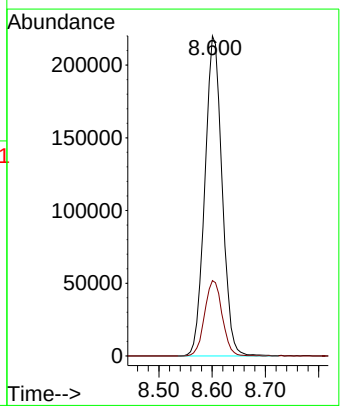


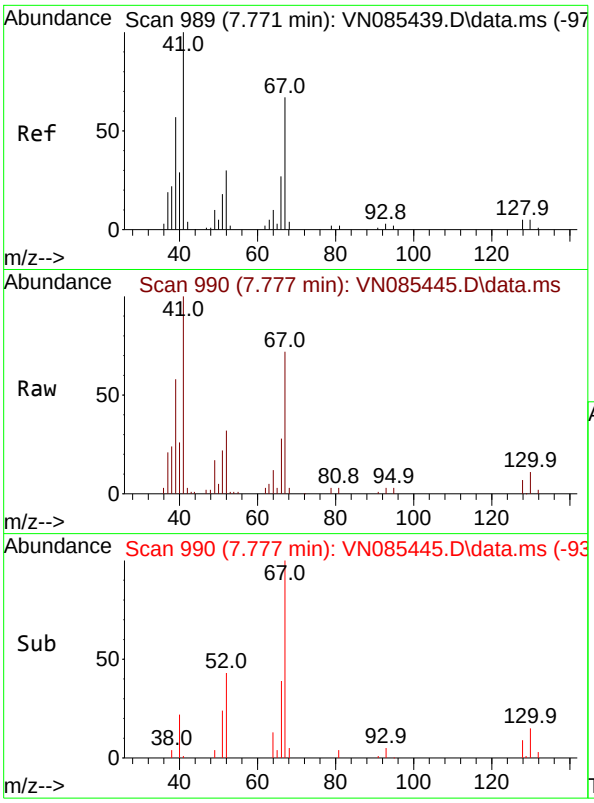


#40
Benzene
Concen: 45.657 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 78 Resp: 494871

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.6



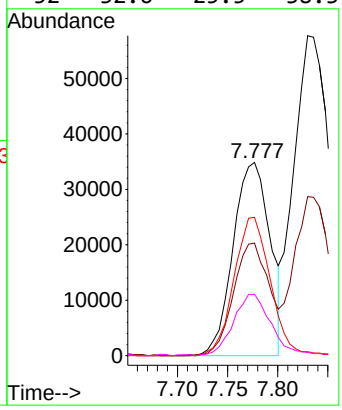


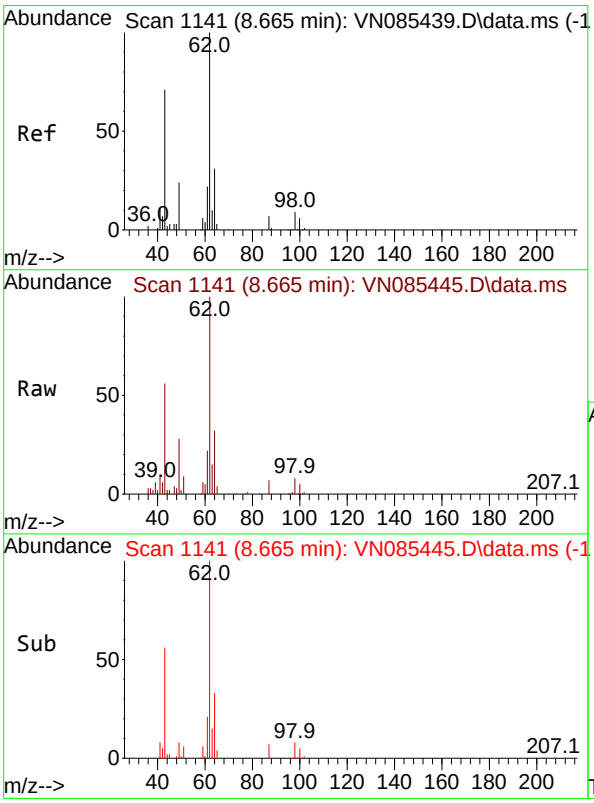
#41
Methacrylonitrile
Concen: 47.155 ug/l
RT: 7.777 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Tgt Ion: 41 Resp: 89326

Ion	Ratio	Lower	Upper
41	100		
39	56.6	46.0	69.0
67	70.9	57.4	86.2
52	32.6	25.5	38.3

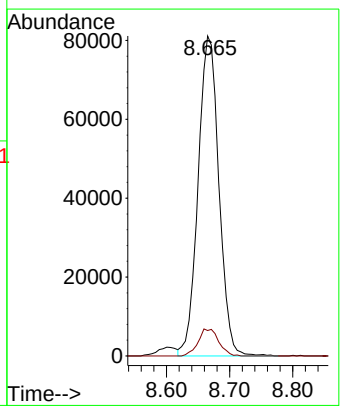


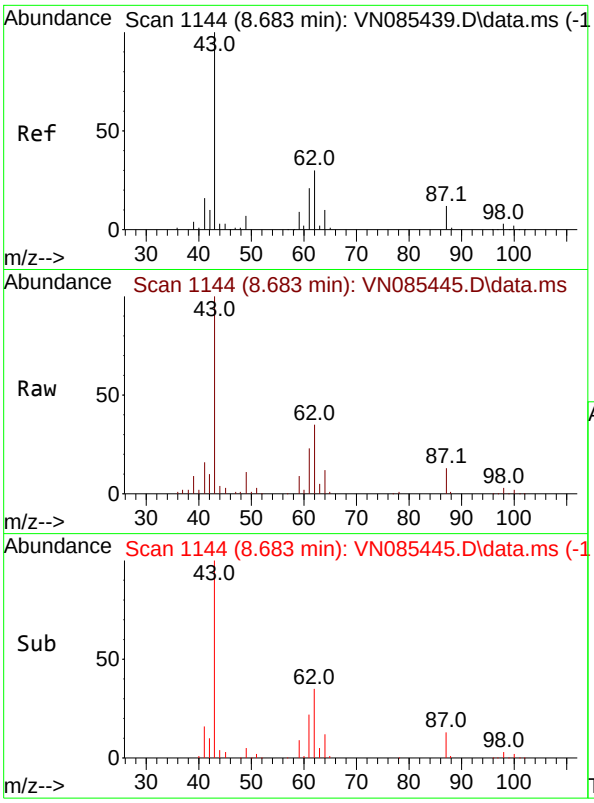


#42
1,2-Dichloroethane
Concen: 45.481 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 62 Resp: 185663

Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	17.0



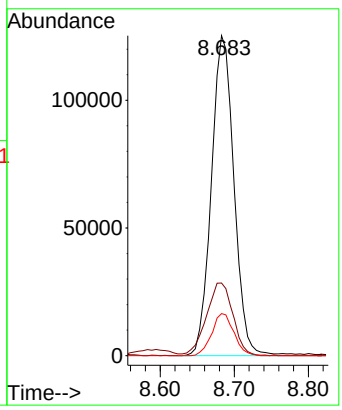


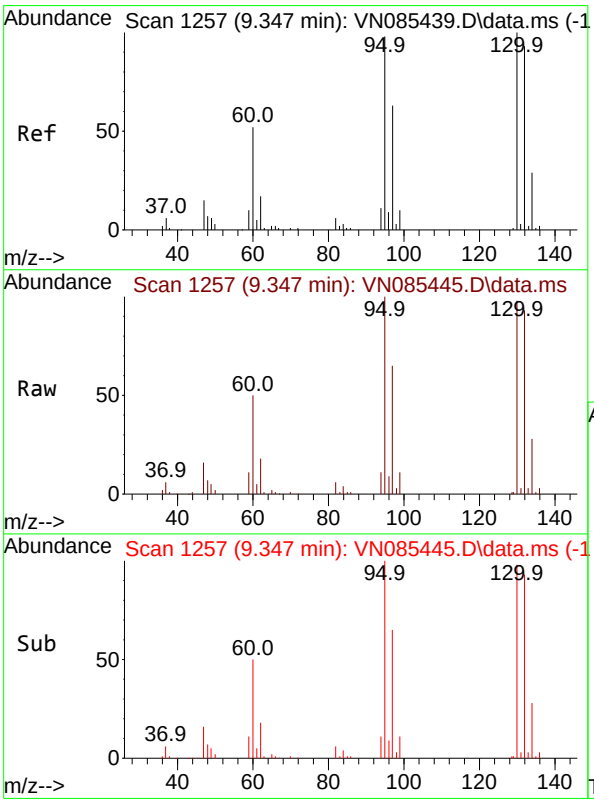
#43
Isopropyl Acetate
Concen: 45.440 ug/l
RT: 8.683 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Tgt Ion: 43 Resp: 265107

Ion	Ratio	Lower	Upper
43	100		
61	26.7	20.7	31.1
87	12.9	9.8	14.8

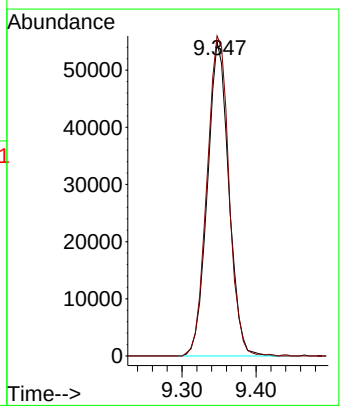


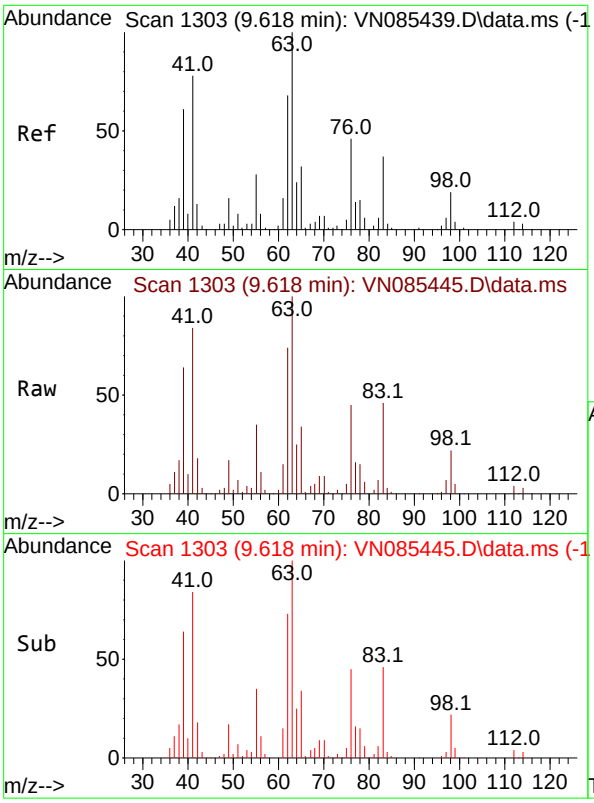


#44
Trichloroethene
Concen: 43.622 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion:130 Resp: 110058

Ion	Ratio	Lower	Upper
130	100		
95	101.9	0.0	195.8



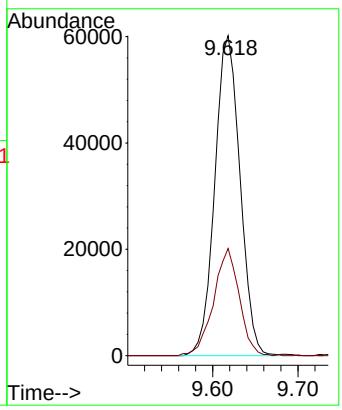


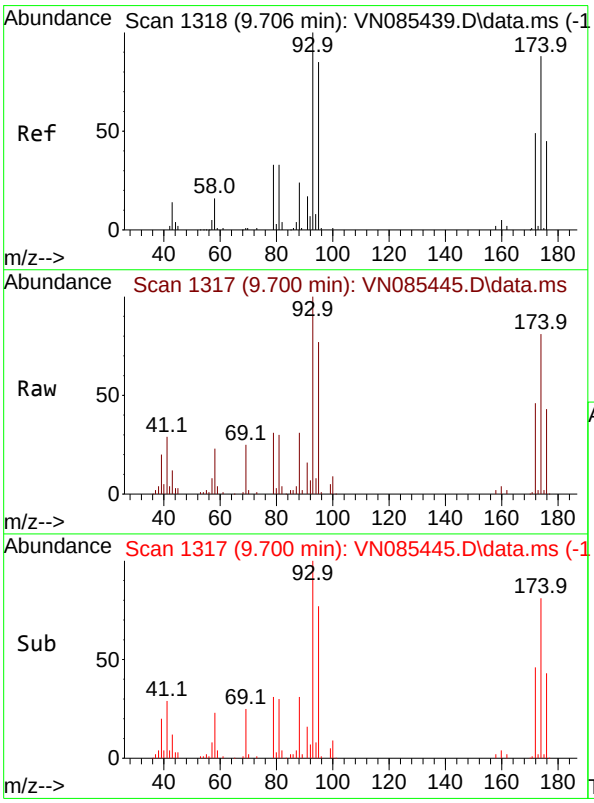
#45
1,2-Dichloropropane
Concen: 44.744 ug/l
RT: 9.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Tgt Ion: 63 Resp: 123876

Ion	Ratio	Lower	Upper
63	100		
65	33.5	25.6	38.4

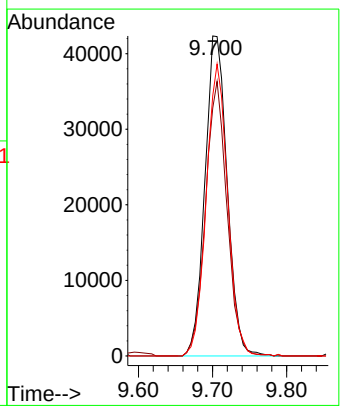


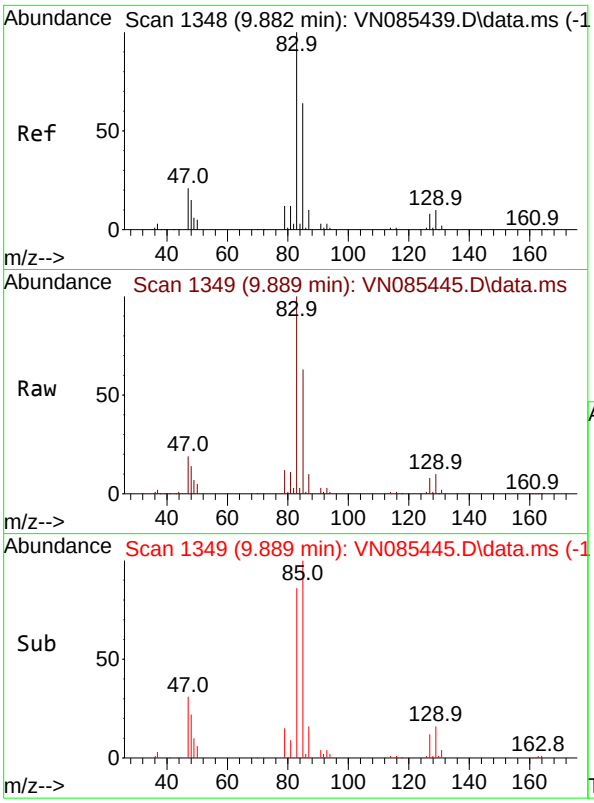


#46
Dibromomethane
Concen: 44.214 ug/l
RT: 9.700 min Scan# 1317
Delta R.T. -0.006 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 93 Resp: 88325

Ion	Ratio	Lower	Upper
93	100		
95	82.9	64.7	97.1
174	88.0	69.0	103.4



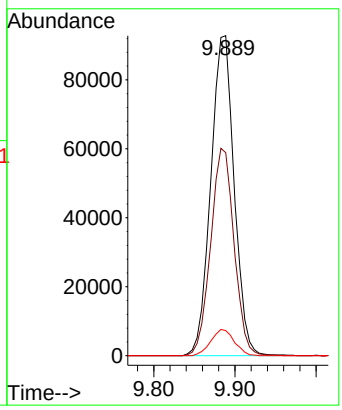


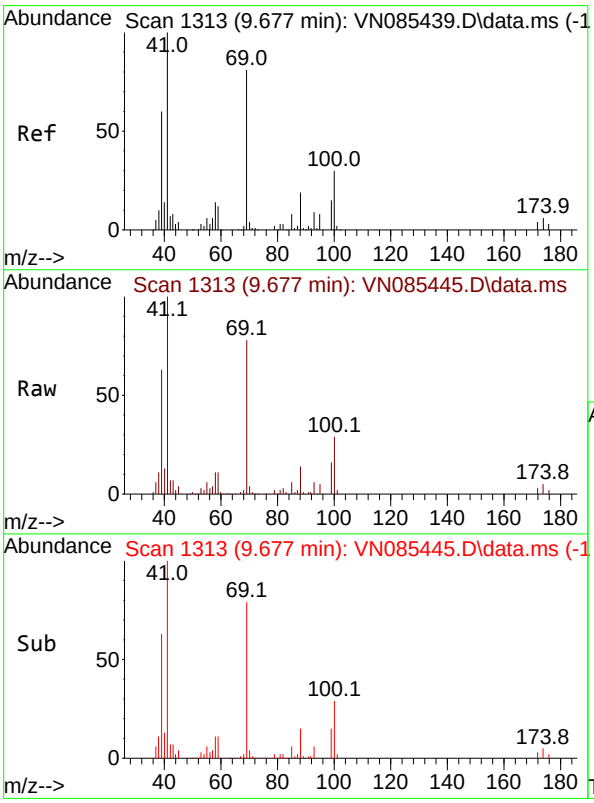
#47
Bromodichloromethane
Concen: 45.655 ug/l
RT: 9.889 min Scan# 1
Delta R.T. 0.007 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Tgt Ion: 83 Resp: 185808

Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.2	76.8
127	7.8	6.5	9.7

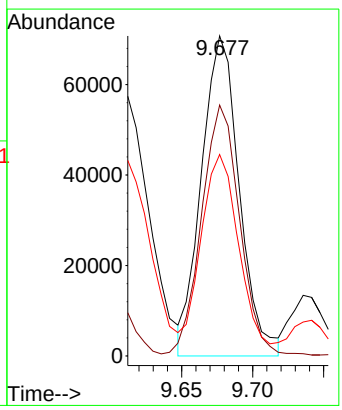


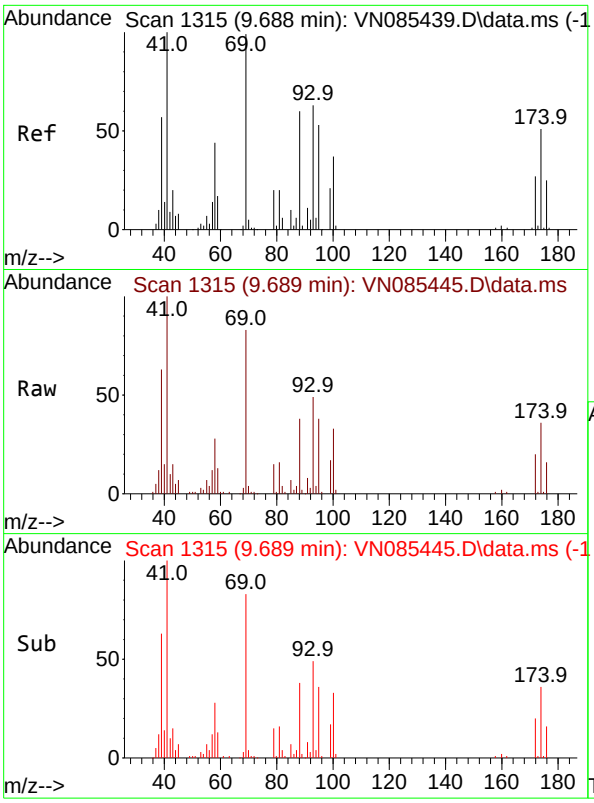


#48
Methyl methacrylate
Concen: 49.948 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 41 Resp: 131142

Ion	Ratio	Lower	Upper
41	100		
69	78.6	64.7	97.1
39	63.3	49.0	73.6



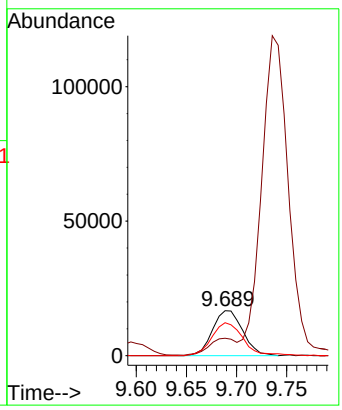


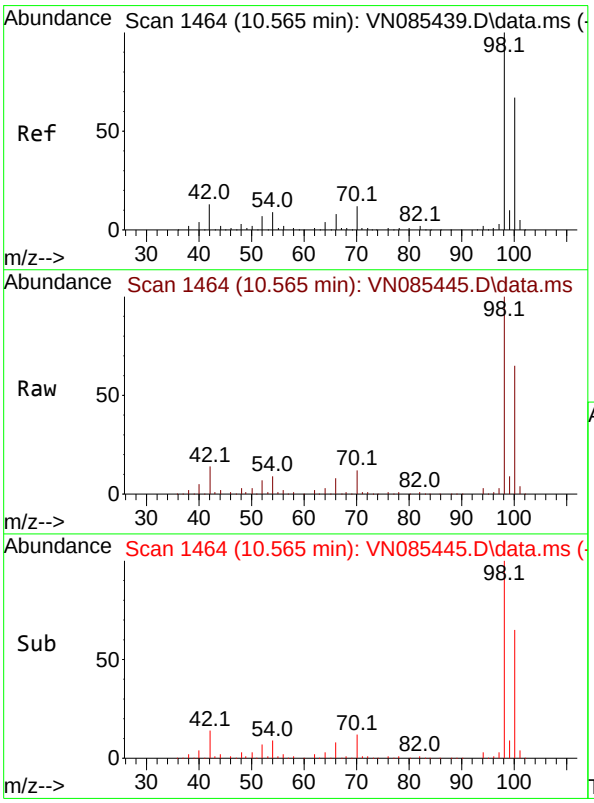
#49
1,4-Dioxane
Concen: 792.760 ug/l
RT: 9.689 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Tgt Ion: 88 Resp: 35051

Ion	Ratio	Lower	Upper
88	100		
43	33.8	26.6	39.8
58	76.1	59.5	89.3

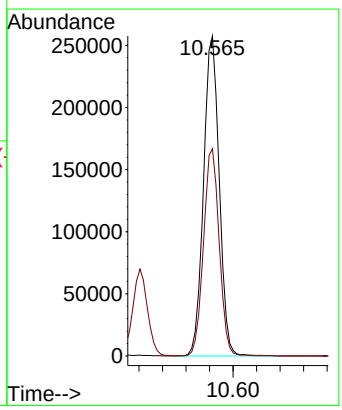


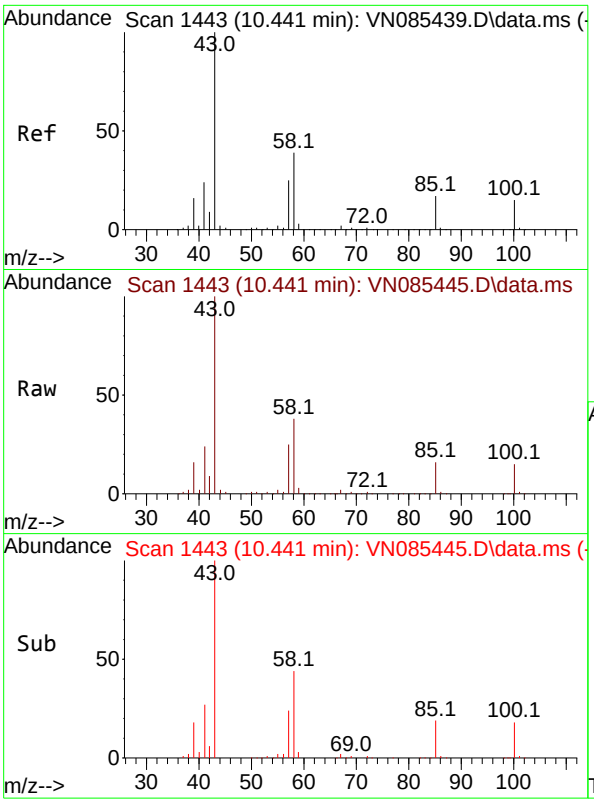


#50
Toluene-d8
Concen: 52.302 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 98 Resp: 477630

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.2	78.4



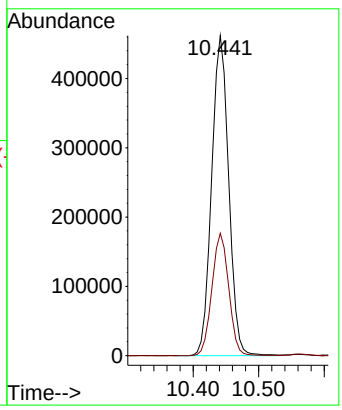


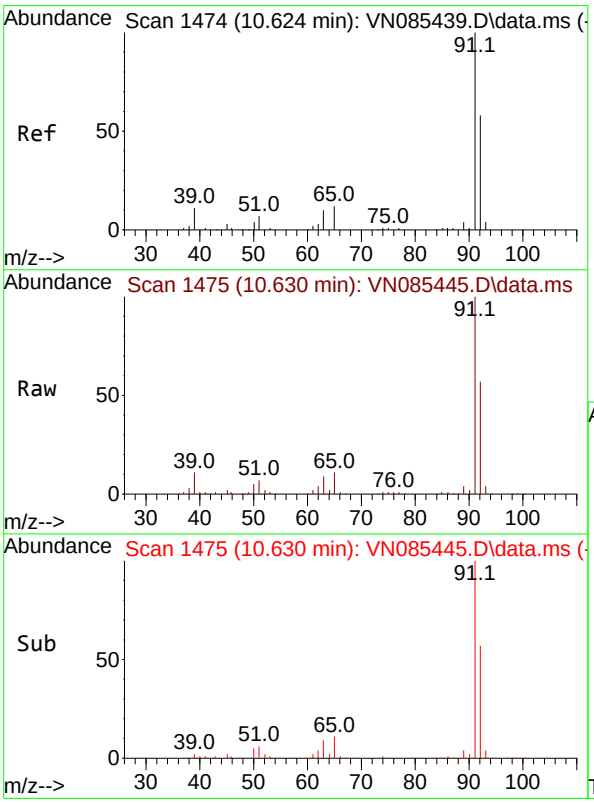
#51
4-Methyl-2-Pentanone
Concen: 245.877 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Tgt Ion: 43 Resp: 832426

Ion	Ratio	Lower	Upper
43	100		
58	37.8	30.5	45.7

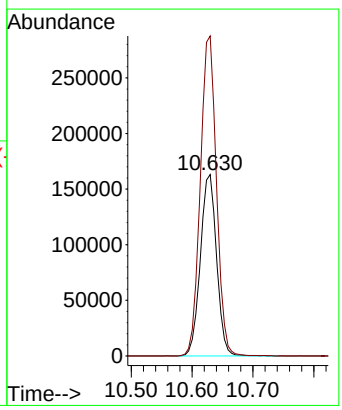


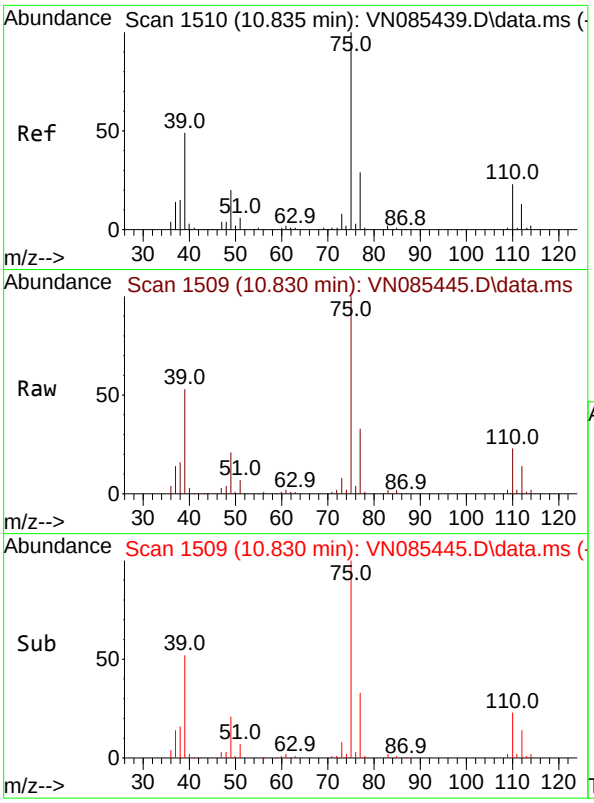


#52
Toluene
Concen: 48.073 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 92 Resp: 301911

Ion	Ratio	Lower	Upper
92	100		
91	175.7	139.2	208.8



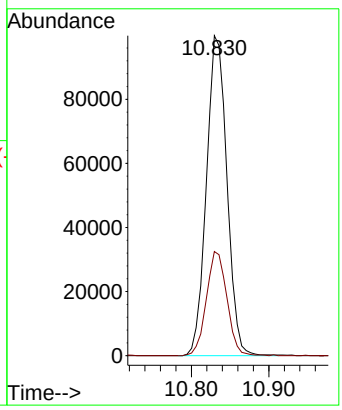


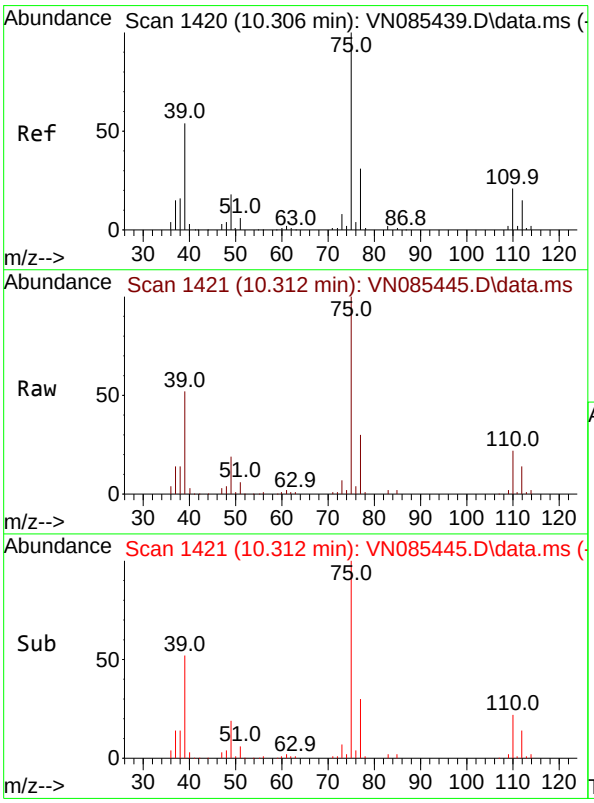
#53
t-1,3-Dichloropropene
Concen: 47.757 ug/l
RT: 10.830 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Tgt Ion: 75 Resp: 183680

Ion	Ratio	Lower	Upper
75	100		
77	32.6	23.5	35.3

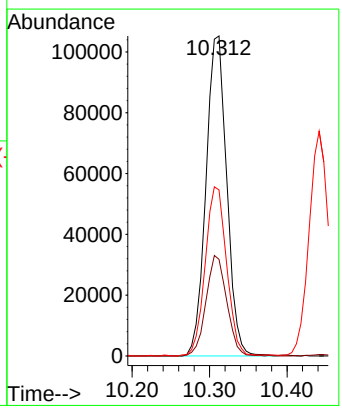


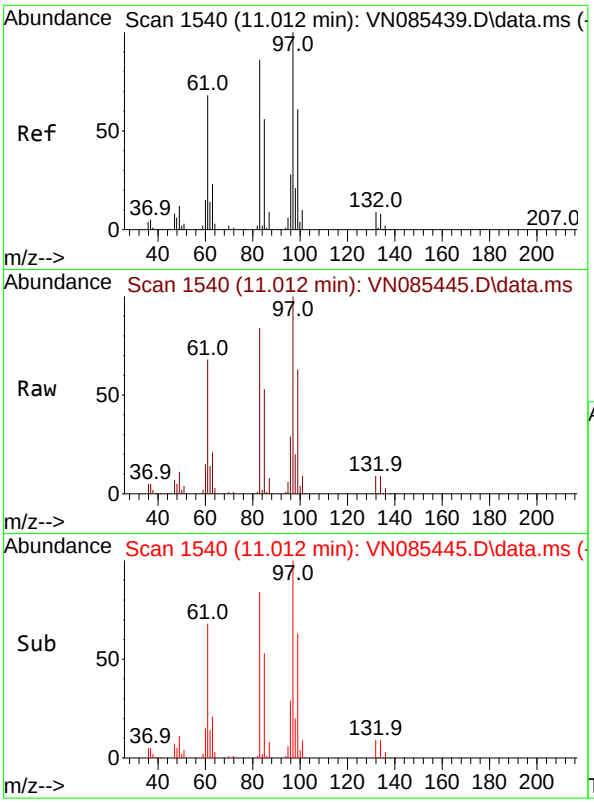


#54
cis-1,3-Dichloropropene
Concen: 47.783 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.006 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 75 Resp: 196307

Ion	Ratio	Lower	Upper
75	100		
77	30.2	25.0	37.4
39	51.9	43.1	64.7



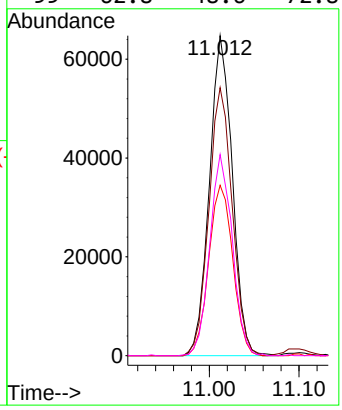


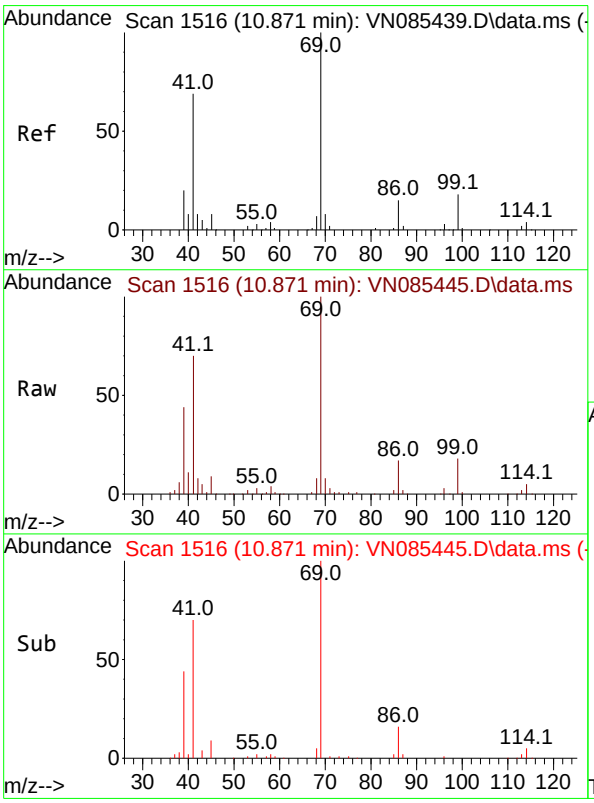
#55
1,1,2-Trichloroethane
Concen: 46.173 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Tgt Ion: 97 Resp: 114757

Ion	Ratio	Lower	Upper
97	100		
83	83.7	69.0	103.6
85	53.2	44.6	66.8
99	62.8	48.6	72.8

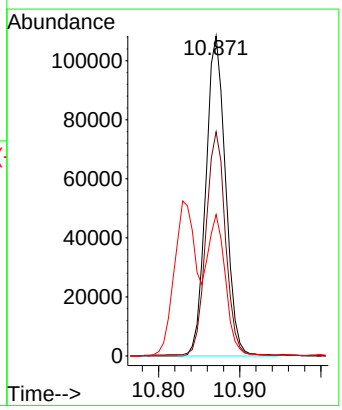


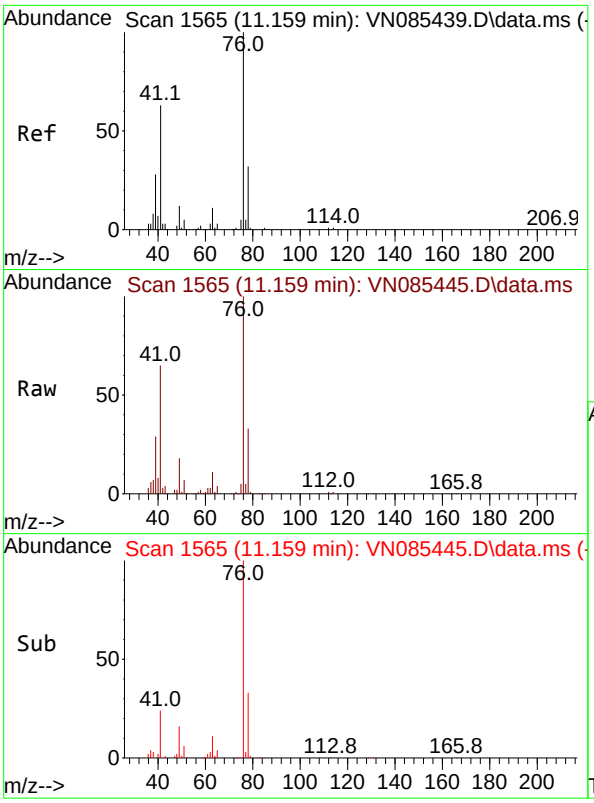


#56
Ethyl methacrylate
Concen: 43.762 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 69 Resp: 182170

Ion	Ratio	Lower	Upper
69	100		
41	70.4	54.6	82.0
39	40.2	32.4	48.6



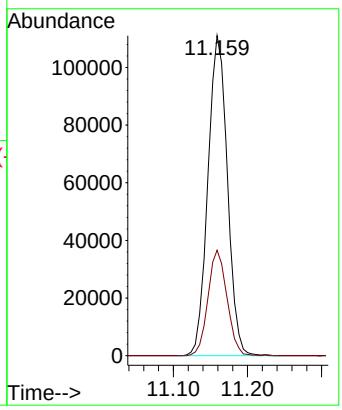


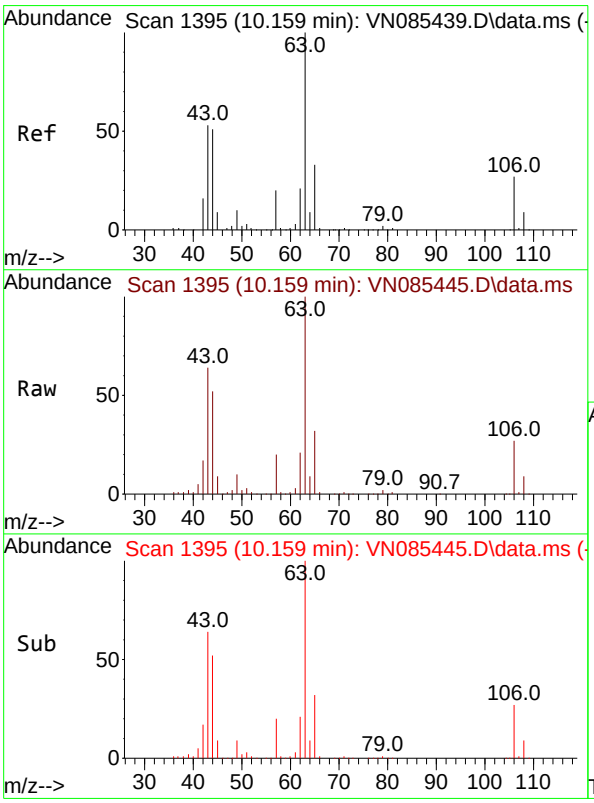
#57
1,3-Dichloropropane
Concen: 46.877 ug/l
RT: 11.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Tgt Ion: 76 Resp: 202583

Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.6	38.4

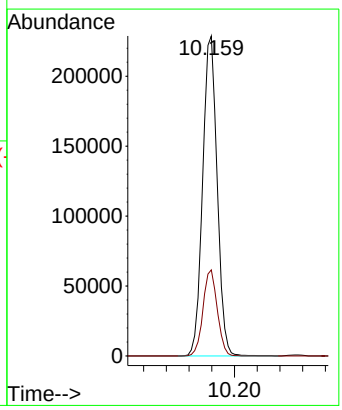


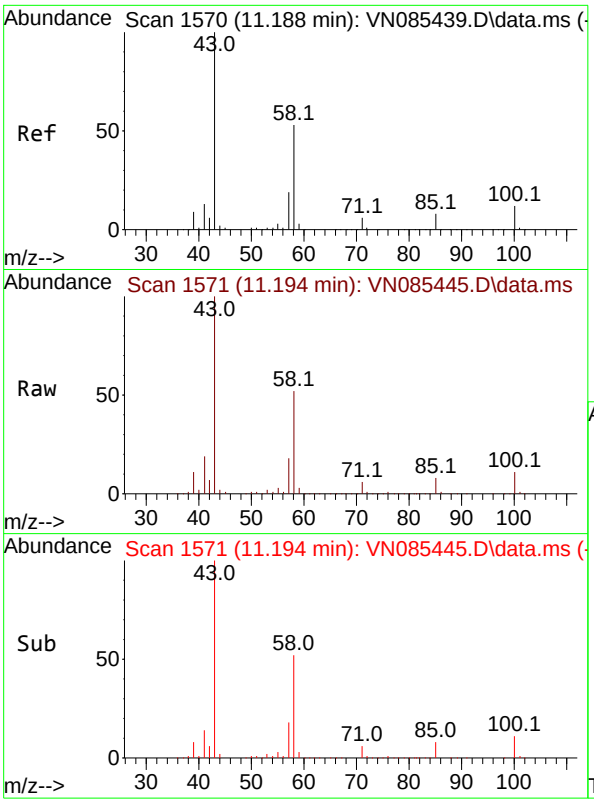


#58
2-Chloroethyl Vinyl ether
Concen: 256.116 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 63 Resp: 403949

Ion	Ratio	Lower	Upper
63	100		
106	26.4	21.6	32.4



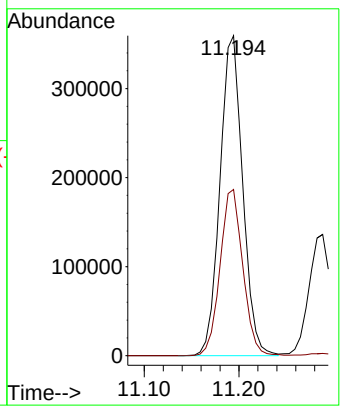


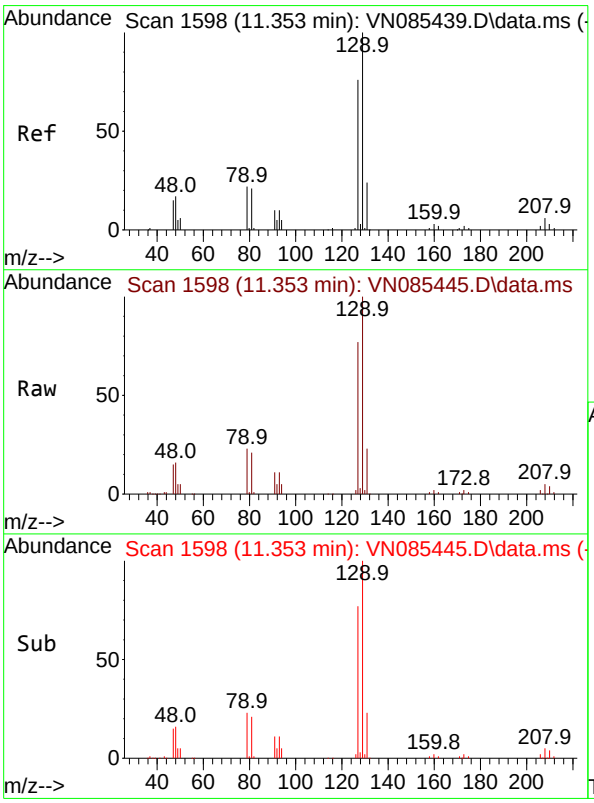
#59
2-Hexanone
Concen: 251.213 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Tgt Ion: 43 Resp: 598433

Ion	Ratio	Lower	Upper
43	100		
58	52.1	26.2	78.6

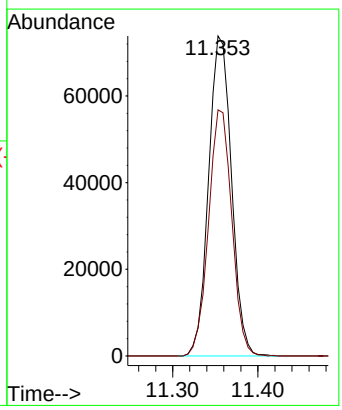


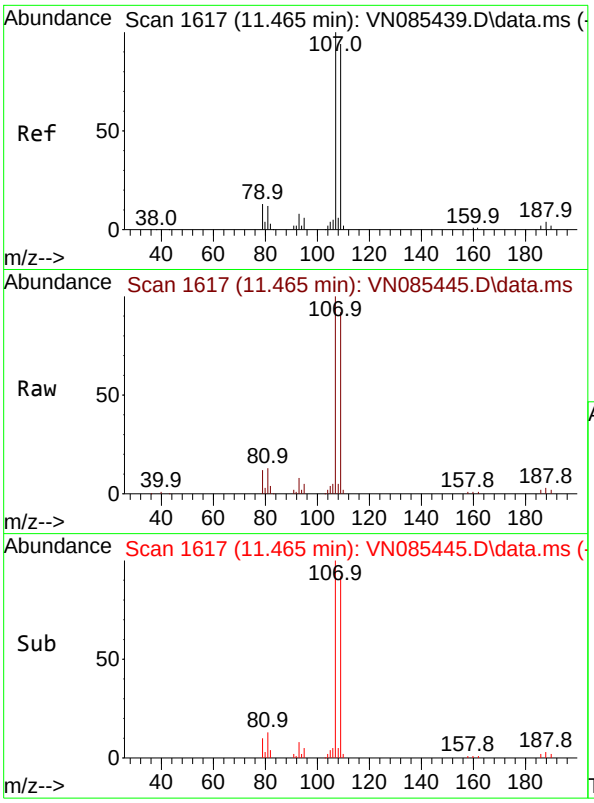


#60
Dibromochloromethane
Concen: 45.935 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion:129 Resp: 137831

Ion	Ratio	Lower	Upper
129	100		
127	78.1	38.6	115.8



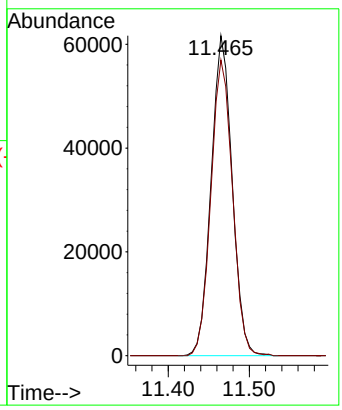


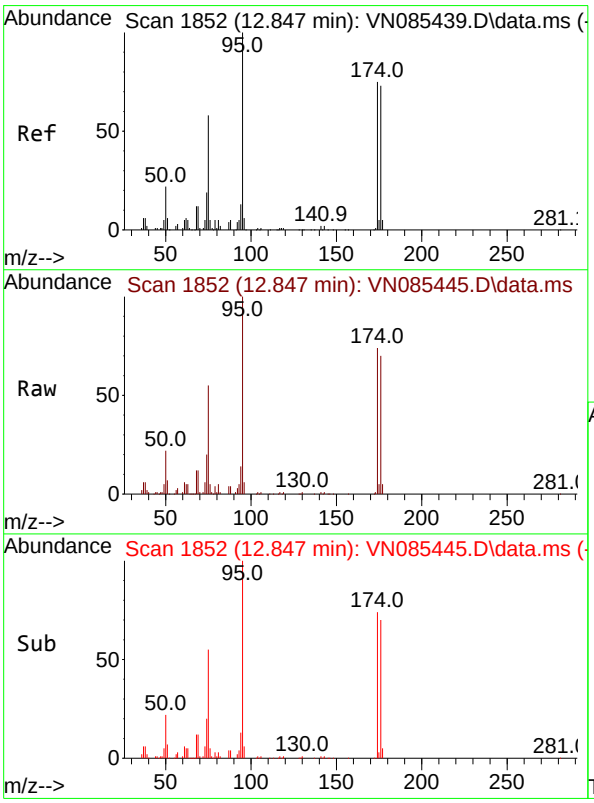
#61
1,2-Dibromoethane
Concen: 44.837 ug/l
RT: 11.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Tgt Ion:107 Resp: 110926

Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.9	113.9

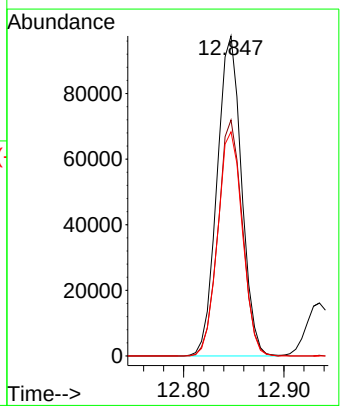


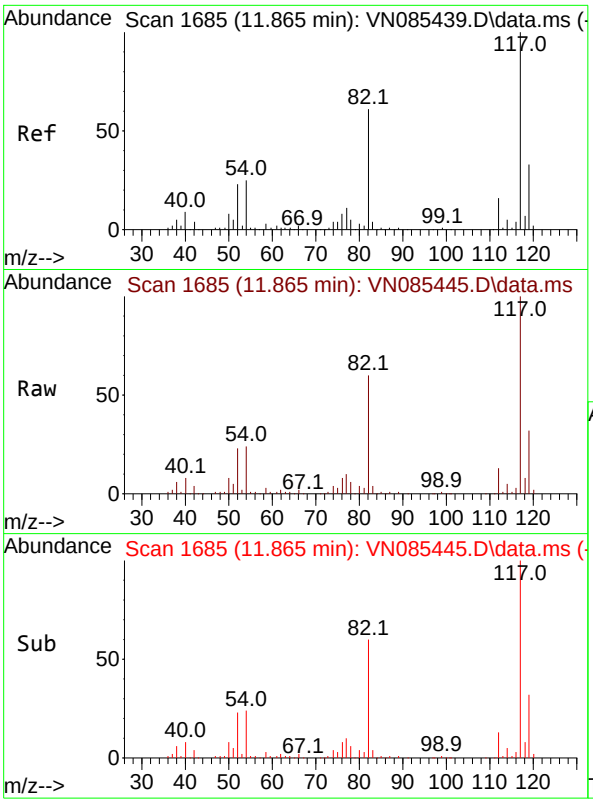


#62
4-Bromofluorobenzene
Concen: 52.899 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 95 Resp: 165249

Ion	Ratio	Lower	Upper
95	100		
174	73.1	0.0	145.0
176	70.8	0.0	142.4



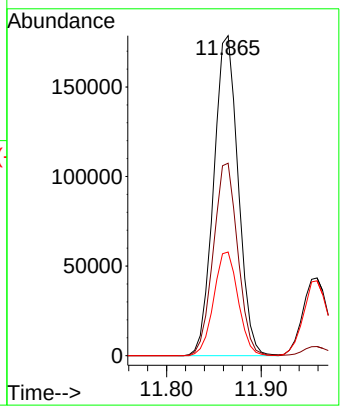


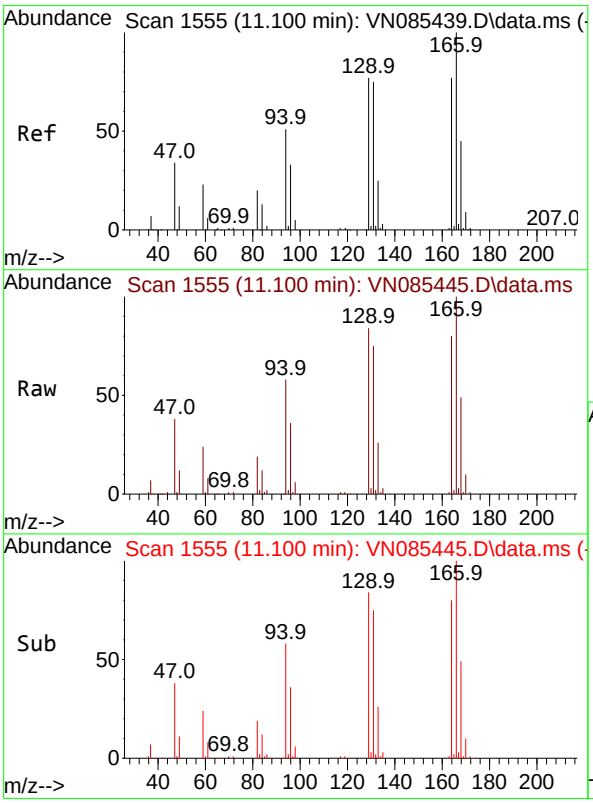
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Tgt Ion:117 Resp: 320948

Ion	Ratio	Lower	Upper
117	100		
82	60.1	48.6	72.8
119	32.4	26.6	39.8

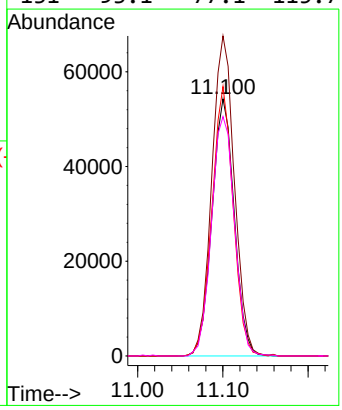


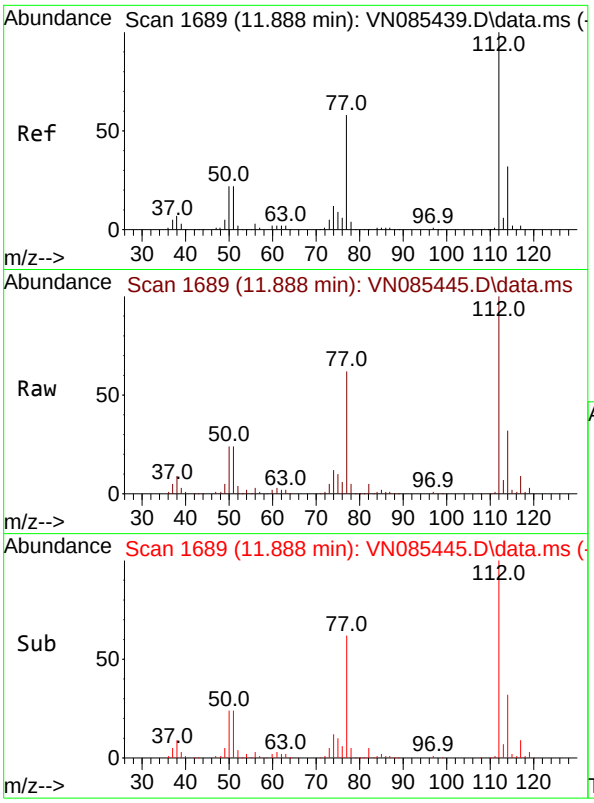


#64
Tetrachloroethene
Concen: 44.886 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion:164 Resp: 98211

Ion	Ratio	Lower	Upper
164	100		
166	124.4	103.4	155.2
129	104.8	79.2	118.8
131	93.1	77.1	115.7



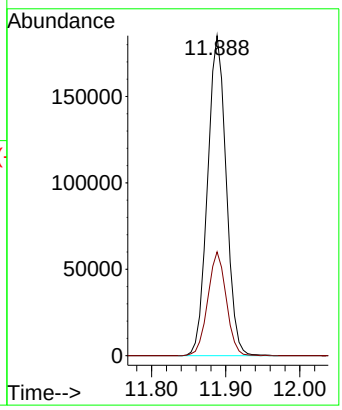


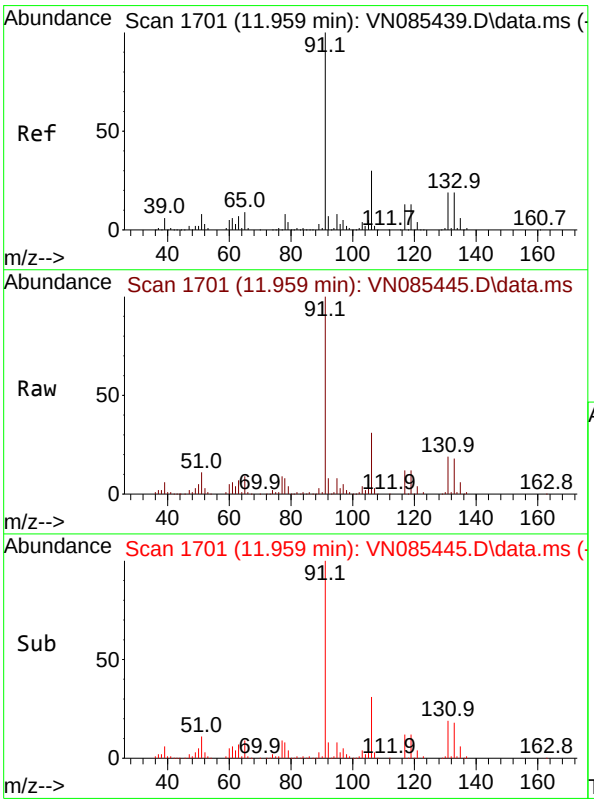
#65
Chlorobenzene
Concen: 45.901 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Tgt Ion:112 Resp: 322723

Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.3	37.9

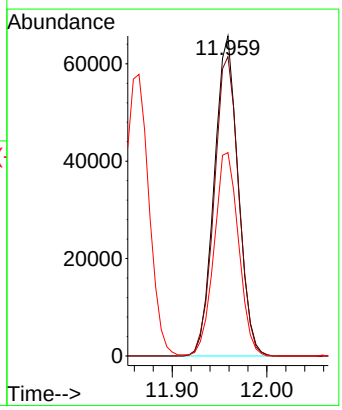


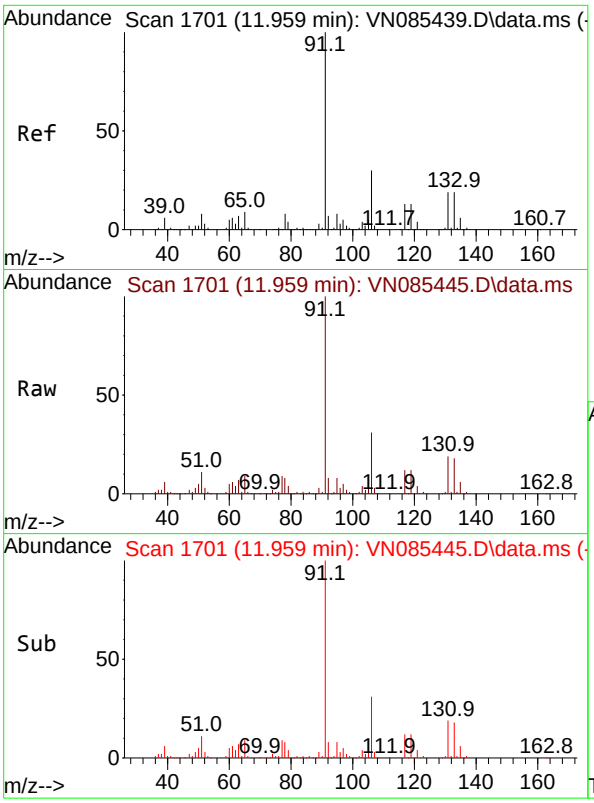


#66
1,1,1,2-Tetrachloroethane
Concen: 44.712 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion:131 Resp: 115379

Ion	Ratio	Lower	Upper
131	100		
133	95.8	47.4	142.3
119	65.2	33.1	99.5



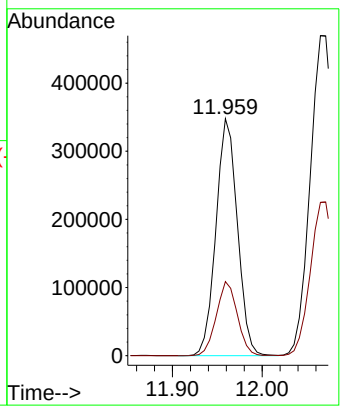


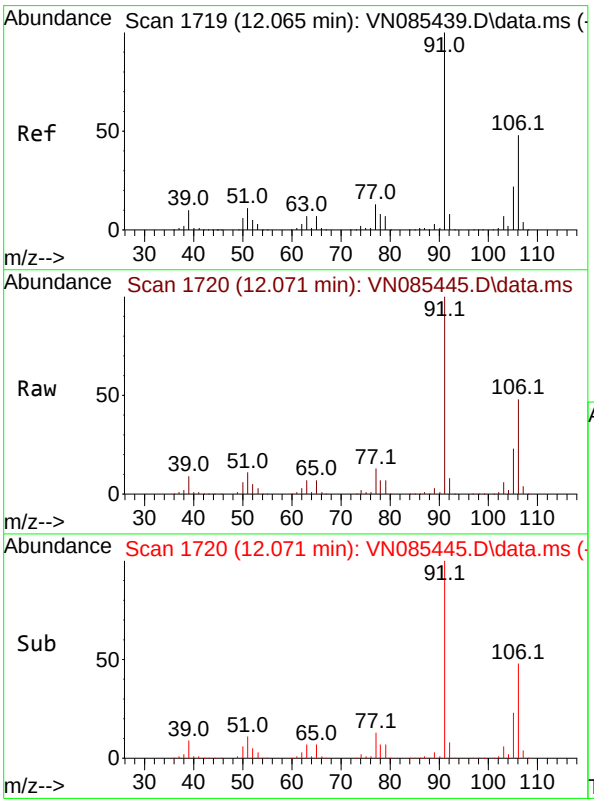
#67
Ethyl Benzene
Concen: 50.391 ug/l
RT: 11.959 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Tgt Ion: 91 Resp: 577059

Ion	Ratio	Lower	Upper
91	100		
106	31.2	23.8	35.8

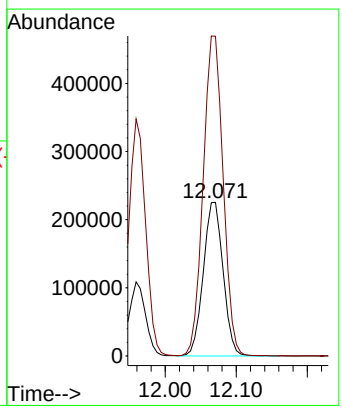


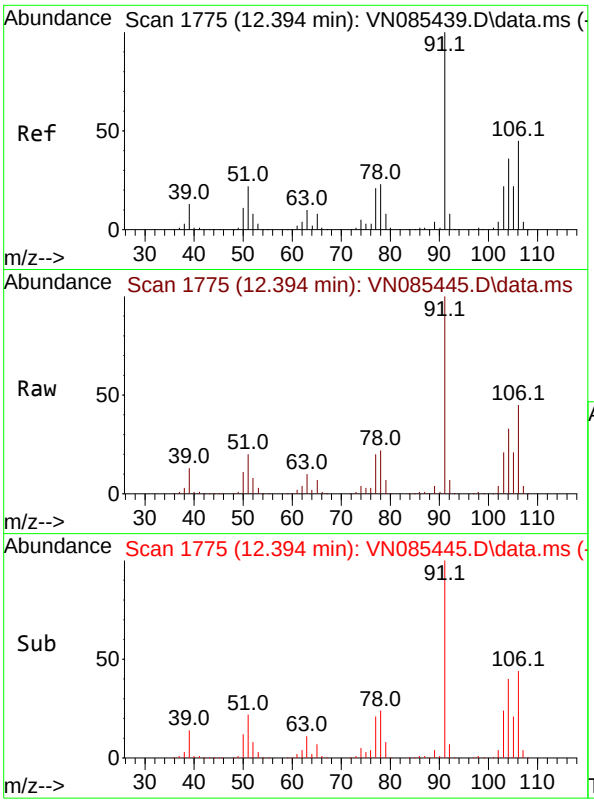


#68
m/p-Xylenes
Concen: 103.341 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.006 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion:106 Resp: 437367

Ion	Ratio	Lower	Upper
106	100		
91	210.1	167.7	251.5



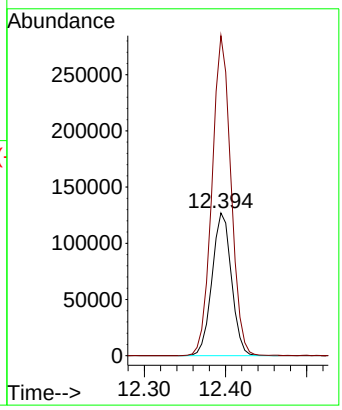


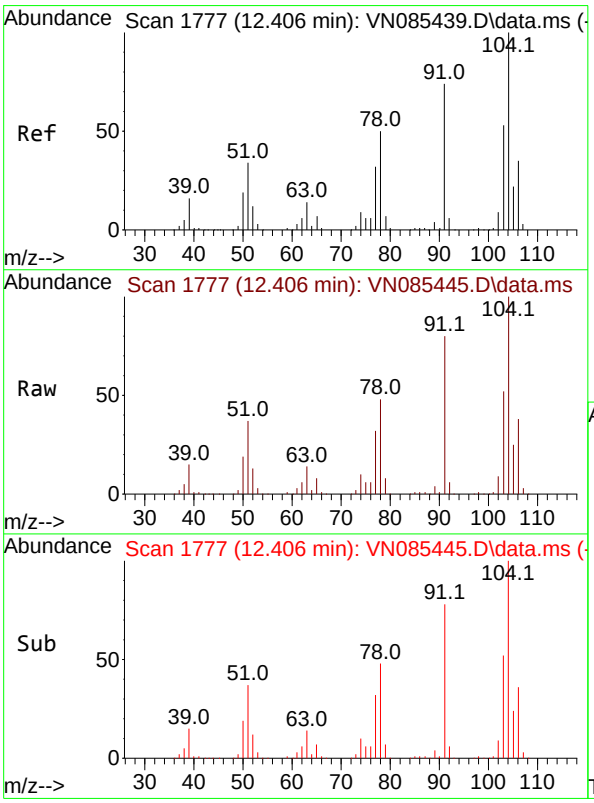
#69
o-Xylene
Concen: 52.093 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Tgt Ion:106 Resp: 210698

Ion	Ratio	Lower	Upper
106	100		
91	219.9	110.4	331.2

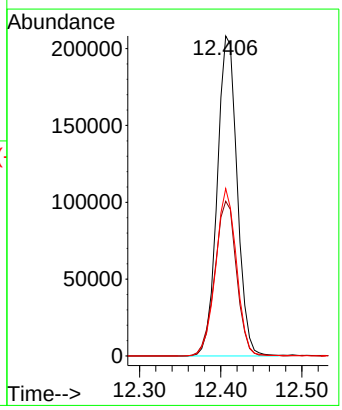


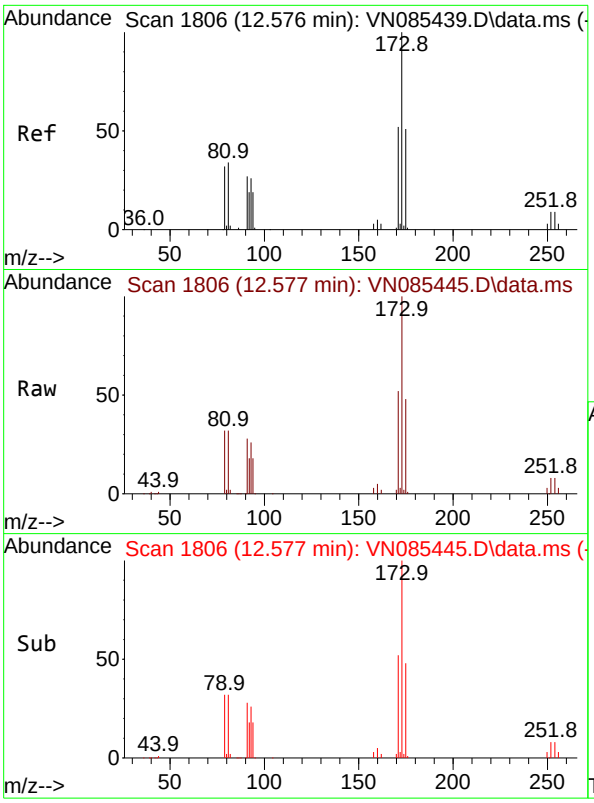


#70
Styrene
Concen: 53.103 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion:104 Resp: 355459

Ion	Ratio	Lower	Upper
104	100		
78	52.8	42.5	63.7
103	54.5	43.8	65.8



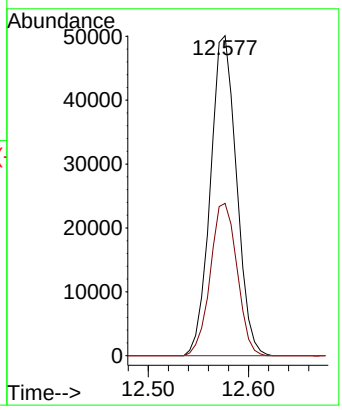


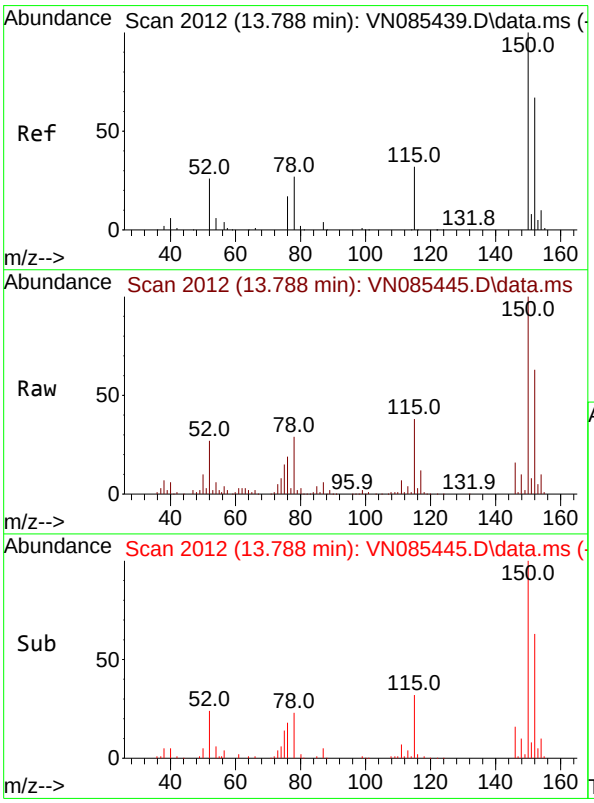
#71
Bromoform
Concen: 49.119 ug/l
RT: 12.577 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Tgt Ion:173 Resp: 90693

Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.4	73.2
254	0.0	0.0	0.0

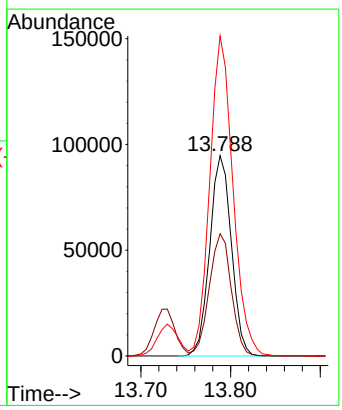


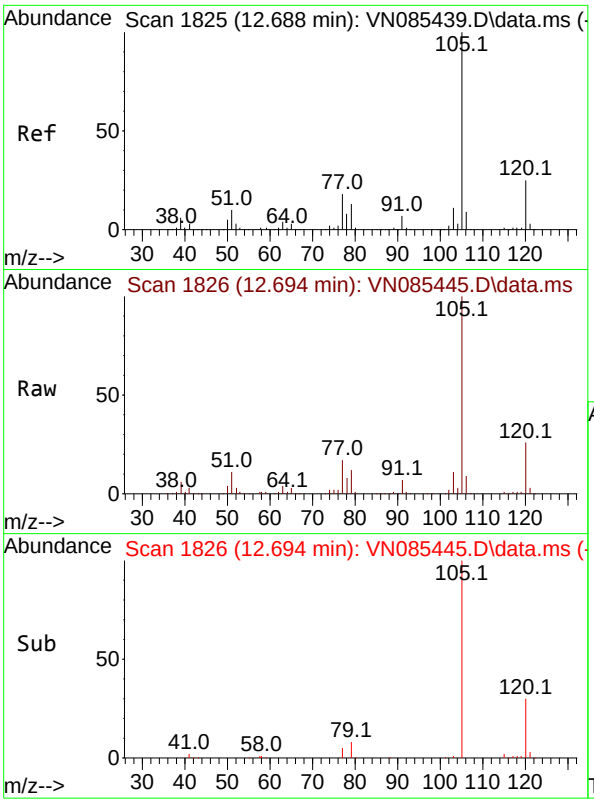


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion:152 Resp: 158525

Ion	Ratio	Lower	Upper
152	100		
115	62.2	31.1	93.3
150	171.0	0.0	343.6



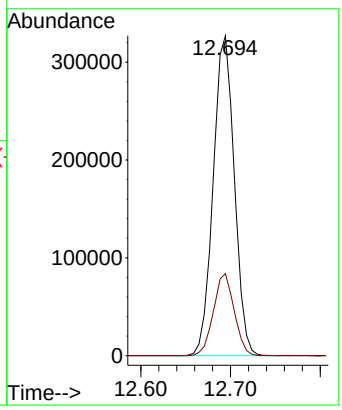


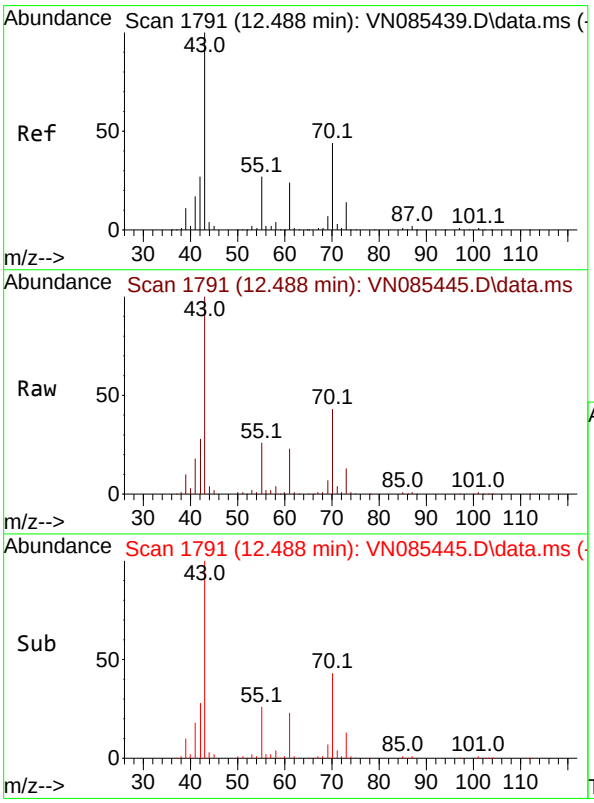
#73
Isopropylbenzene
Concen: 49.951 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Tgt Ion:105 Resp: 534428

Ion	Ratio	Lower	Upper
105	100		
120	25.2	12.8	38.3

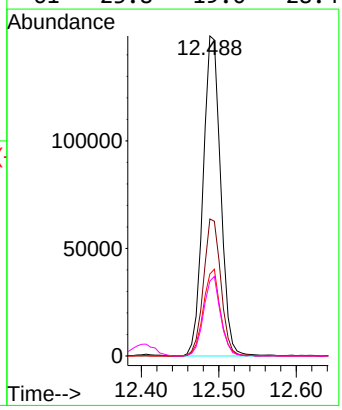


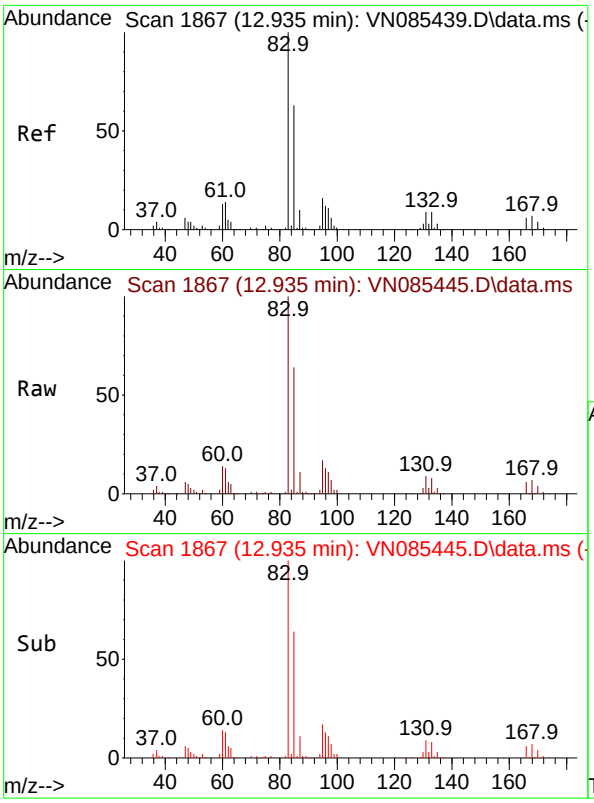


#74
N-amyl acetate
Concen: 48.730 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 43 Resp: 234342

Ion	Ratio	Lower	Upper
43	100		
70	42.2	34.0	51.0
55	26.5	21.4	32.2
61	23.8	19.0	28.4



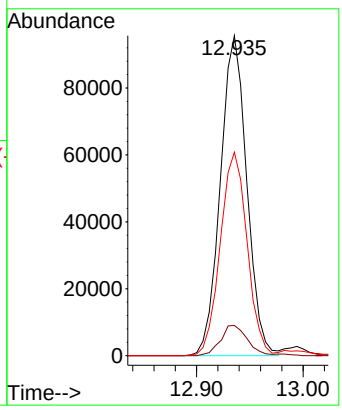


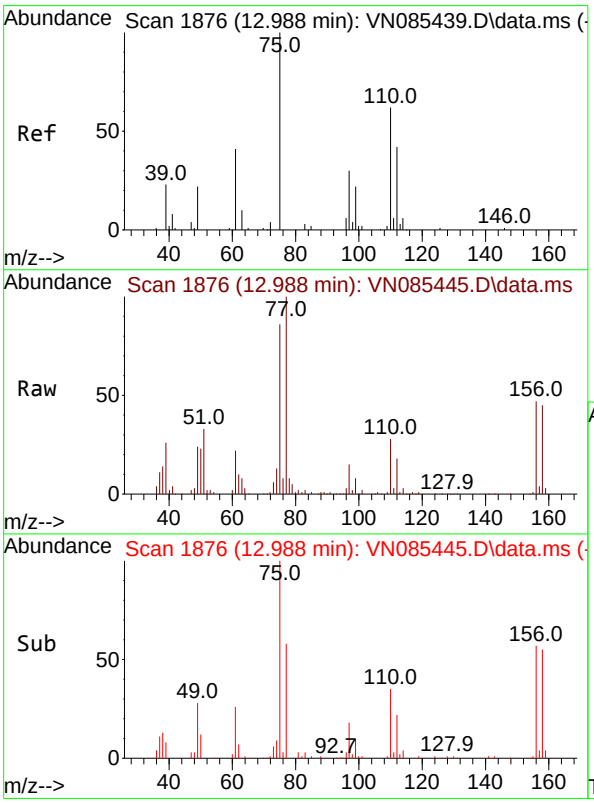
#75
1,1,2,2-Tetrachloroethane
Concen: 43.627 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Tgt Ion: 83 Resp: 164882

Ion	Ratio	Lower	Upper
83	100		
131	9.9	4.8	14.4
85	64.6	32.2	96.6

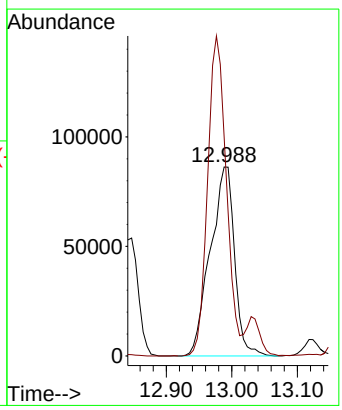


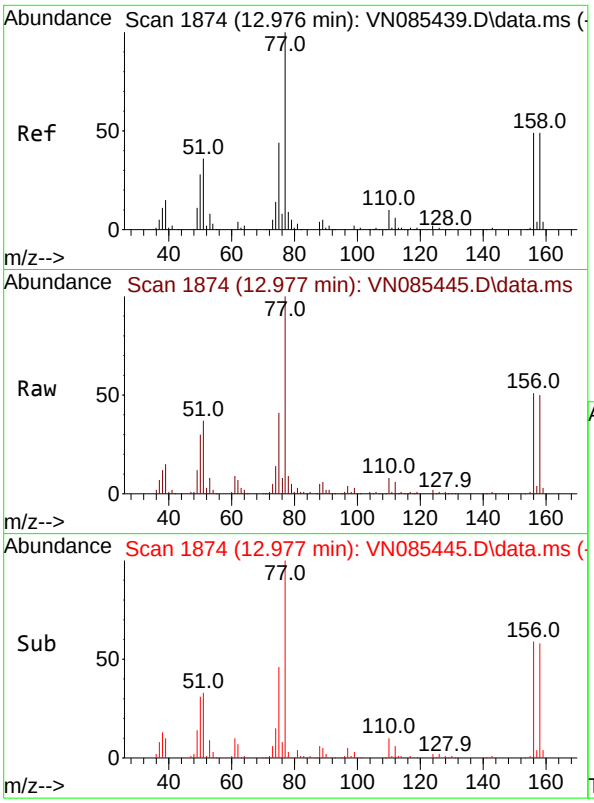


#76
1,2,3-Trichloropropane
Concen: 68.739 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 75 Resp: 221480

Ion	Ratio	Lower	Upper
75	100		
77	130.3	109.7	329.2



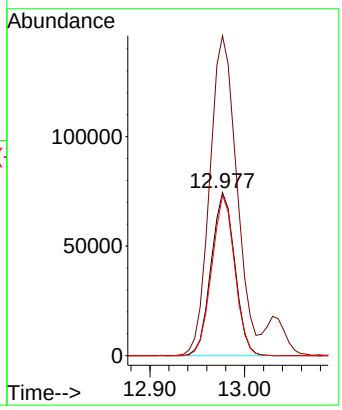


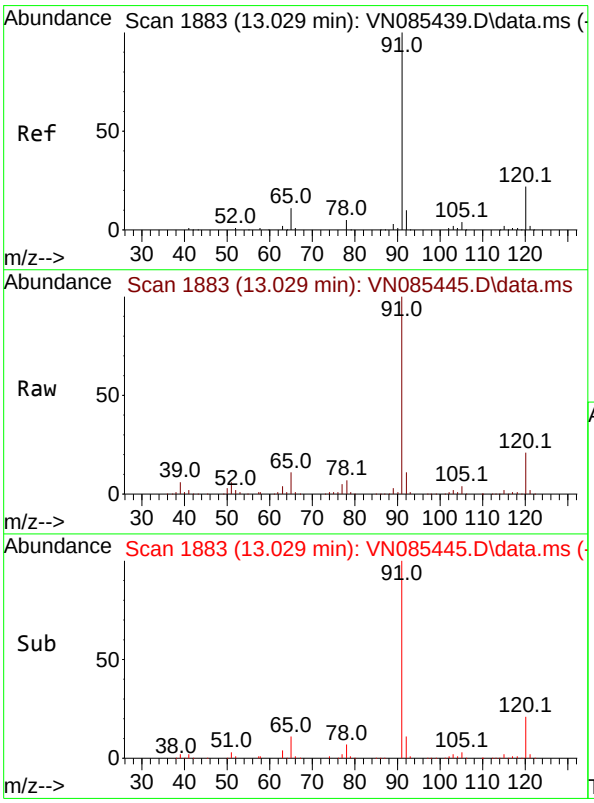
#77
Bromobenzene
Concen: 46.138 ug/l
RT: 12.977 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Tgt Ion:156 Resp: 128968

Ion	Ratio	Lower	Upper
156	100		
77	223.8	114.1	342.4
158	95.7	48.9	146.8

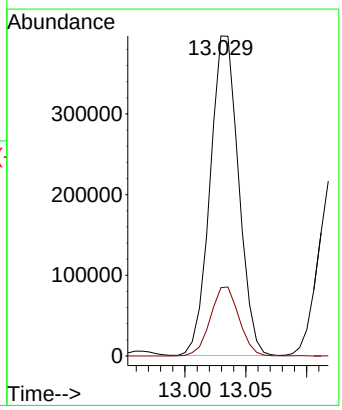


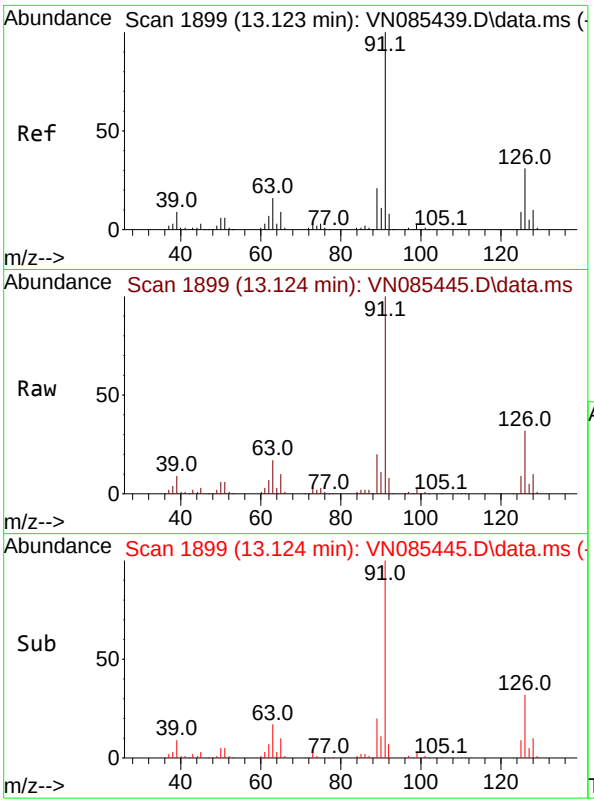


#78
n-propylbenzene
Concen: 51.001 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 91 Resp: 645977

Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.9	32.6



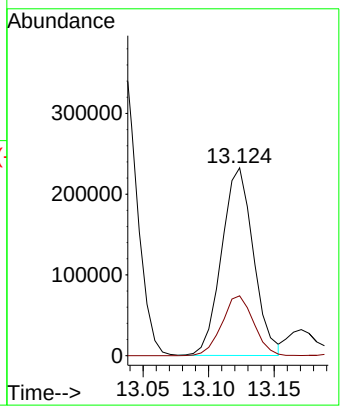


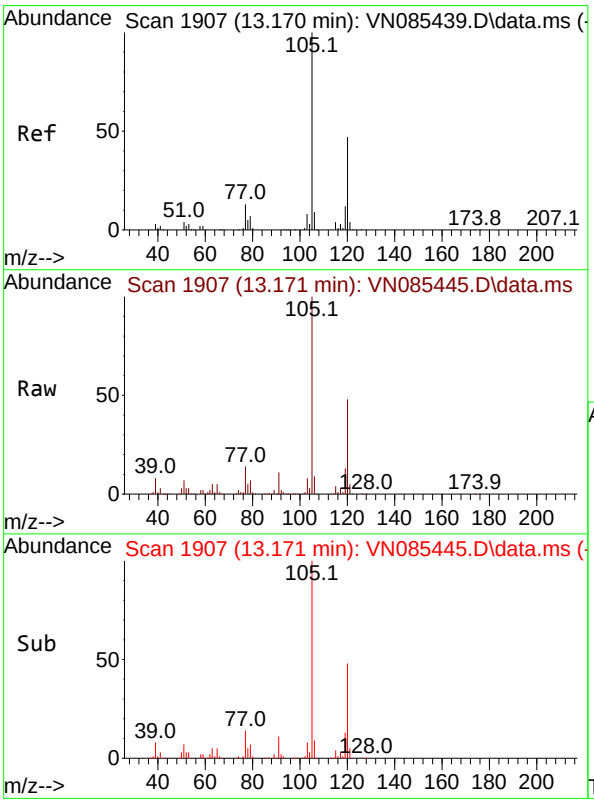
#79
2-Chlorotoluene
Concen: 47.870 ug/l
RT: 13.124 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Tgt Ion: 91 Resp: 392404

Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.7	47.1

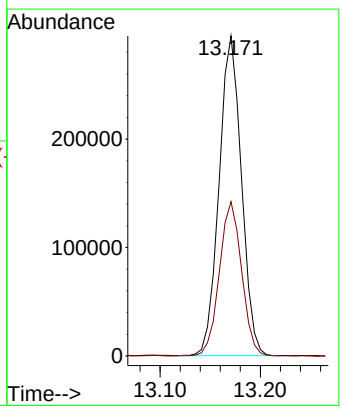


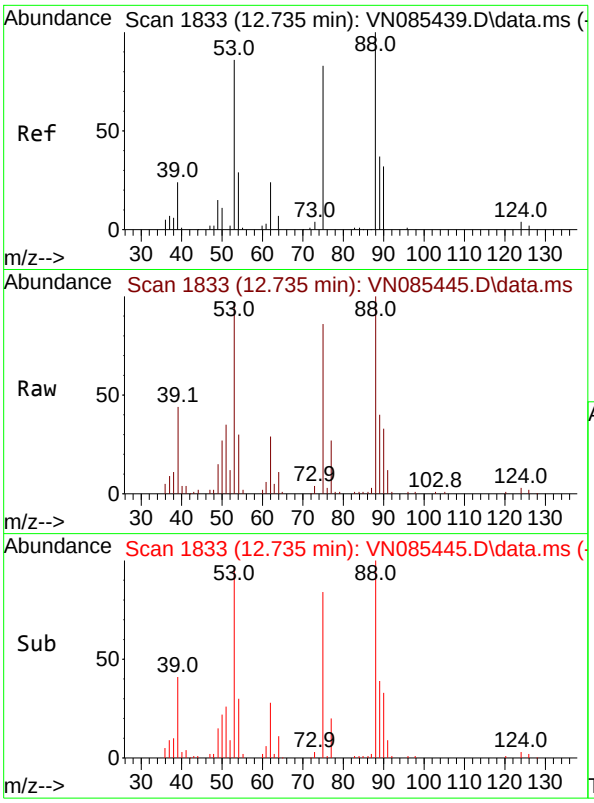


#80
1,3,5-Trimethylbenzene
Concen: 51.604 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion:105 Resp: 456048

Ion	Ratio	Lower	Upper
105	100		
120	48.1	23.9	71.7



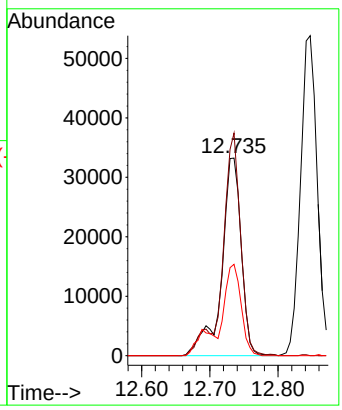


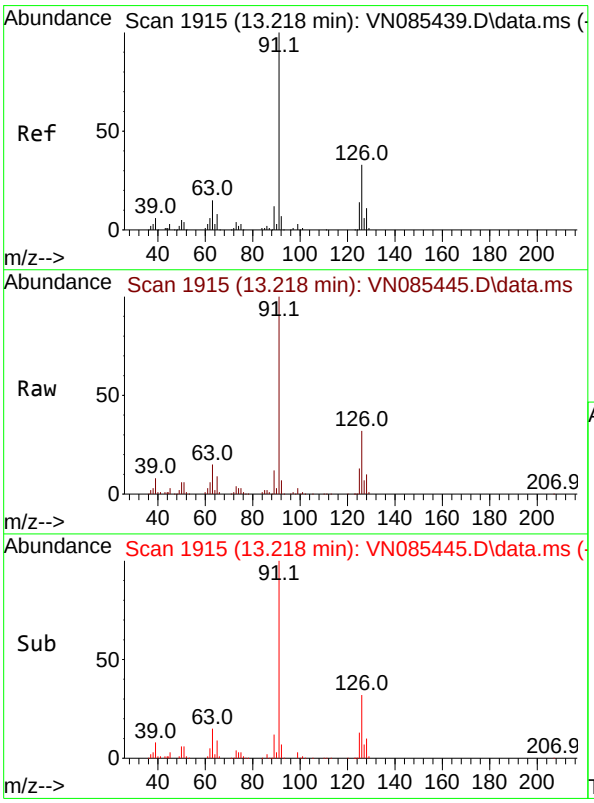
#81
trans-1,4-Dichloro-2-butene
Concen: 56.127 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Tgt Ion: 75 Resp: 66842

Ion	Ratio	Lower	Upper
75	100		
53	103.5	95.6	143.4
89	38.0	37.0	55.6

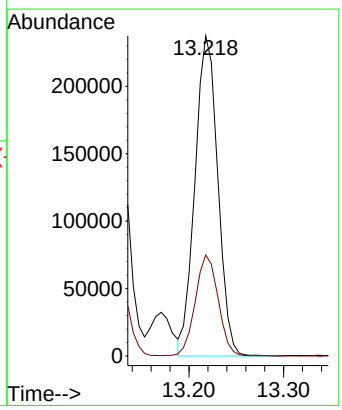


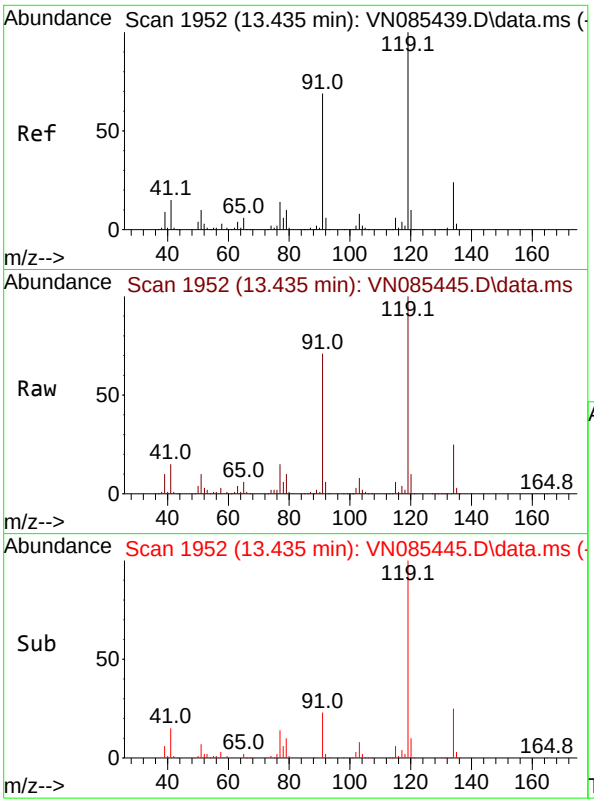


#82
4-Chlorotoluene
Concen: 48.776 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 91 Resp: 398110

Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.9	47.7



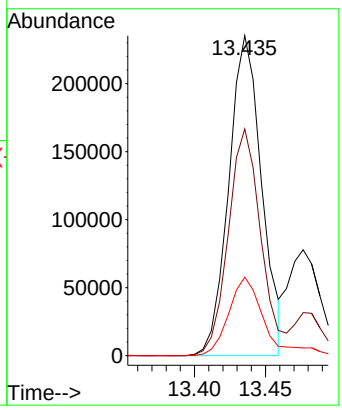


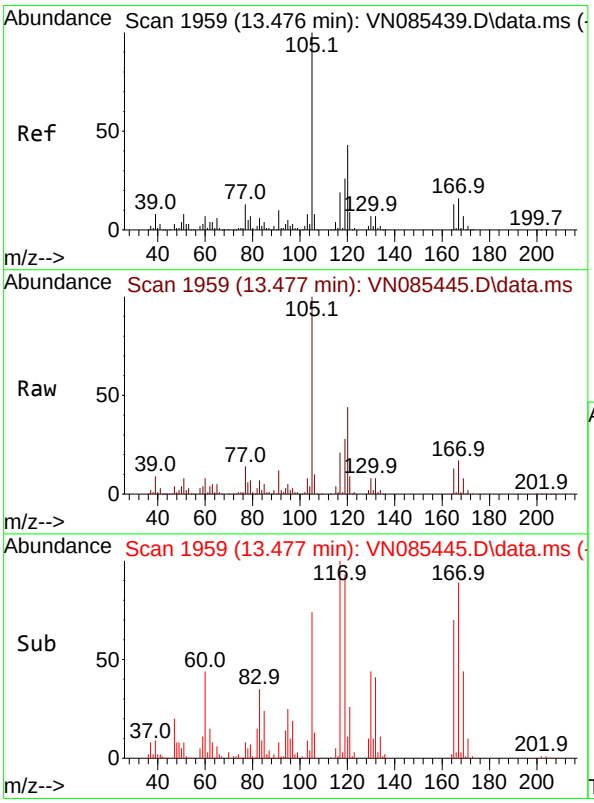
#83
tert-Butylbenzene
Concen: 50.997 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Tgt Ion:119 Resp: 378478

Ion	Ratio	Lower	Upper
119	100		
91	70.6	35.1	105.3
134	26.7	12.0	36.1

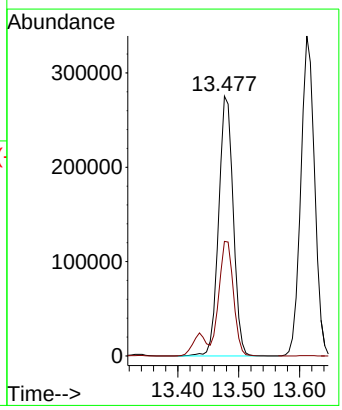


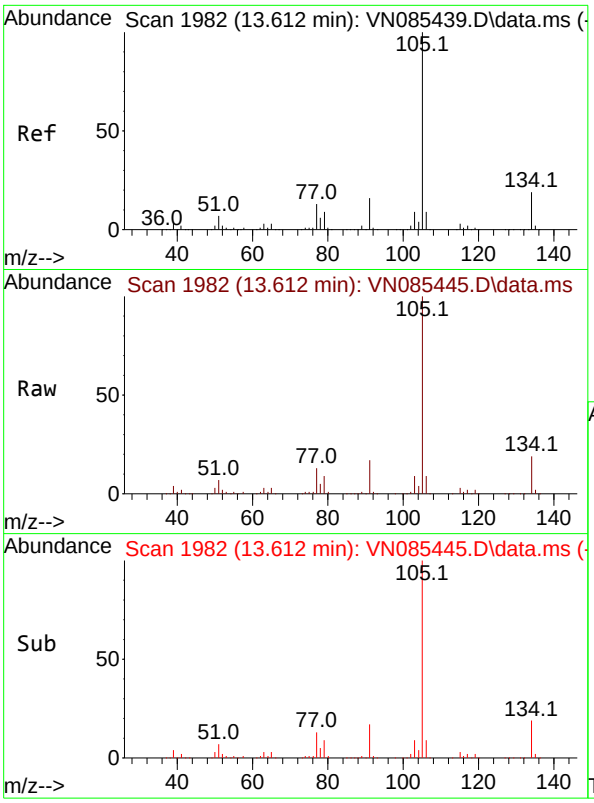


#84
1,2,4-Trimethylbenzene
Concen: 51.922 ug/l
RT: 13.477 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion:105 Resp: 457340

Ion	Ratio	Lower	Upper
105	100		
120	43.6	21.6	65.0



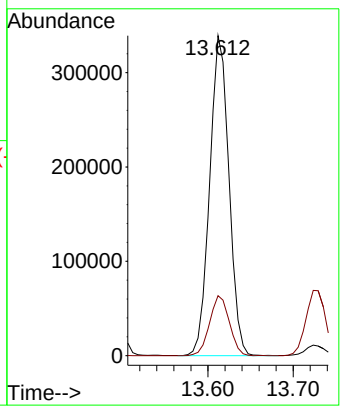


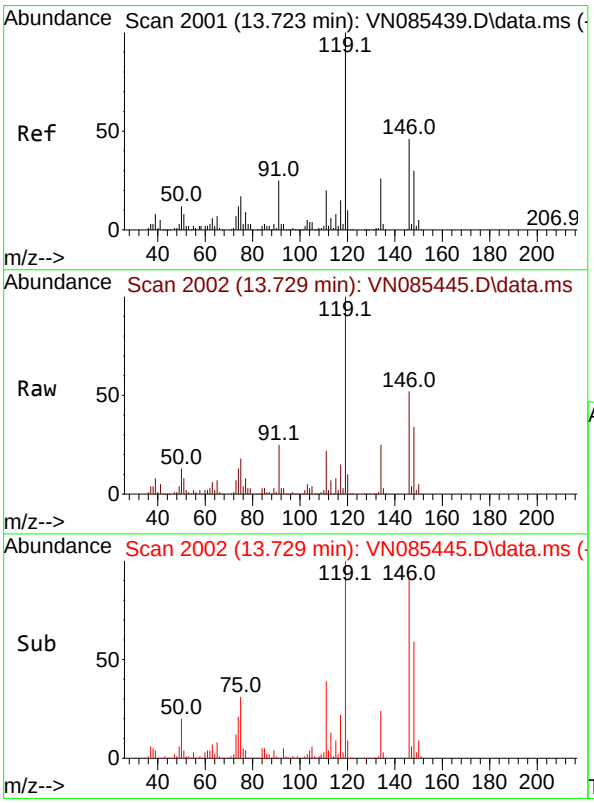
#85
sec-Butylbenzene
Concen: 51.777 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Tgt Ion:105 Resp: 532578

Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.7	28.9

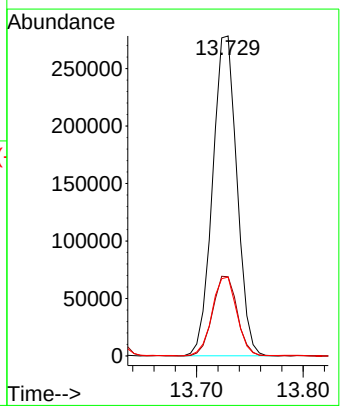


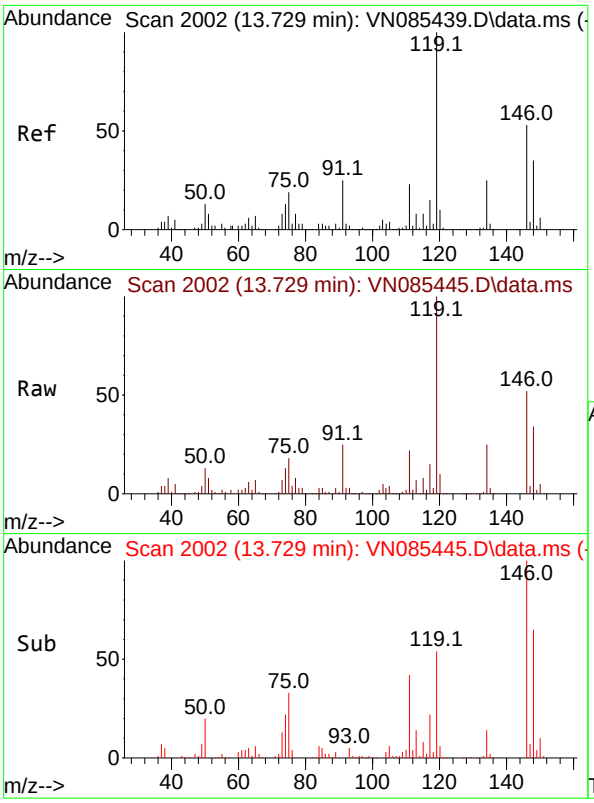


#86
p-Isopropyltoluene
Concen: 47.795 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion:119 Resp: 440284

Ion	Ratio	Lower	Upper
119	100		
134	25.3	12.7	38.0
91	25.0	12.7	38.1



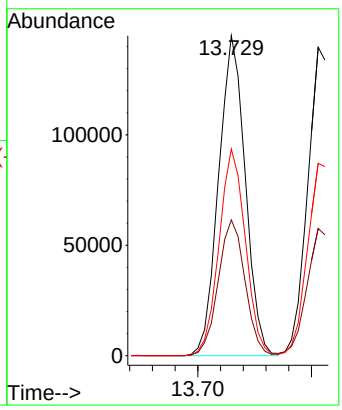


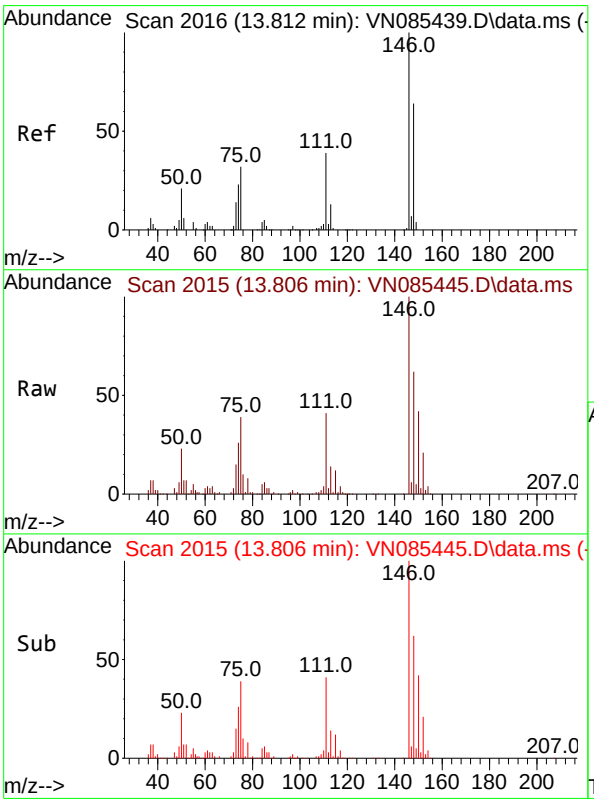
#87
1,3-Dichlorobenzene
Concen: 45.920 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Tgt Ion:146 Resp: 236387

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.4	64.3
148	63.8	32.3	96.9

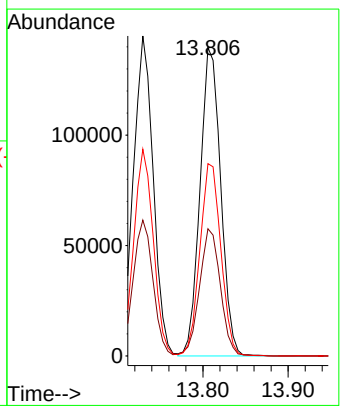


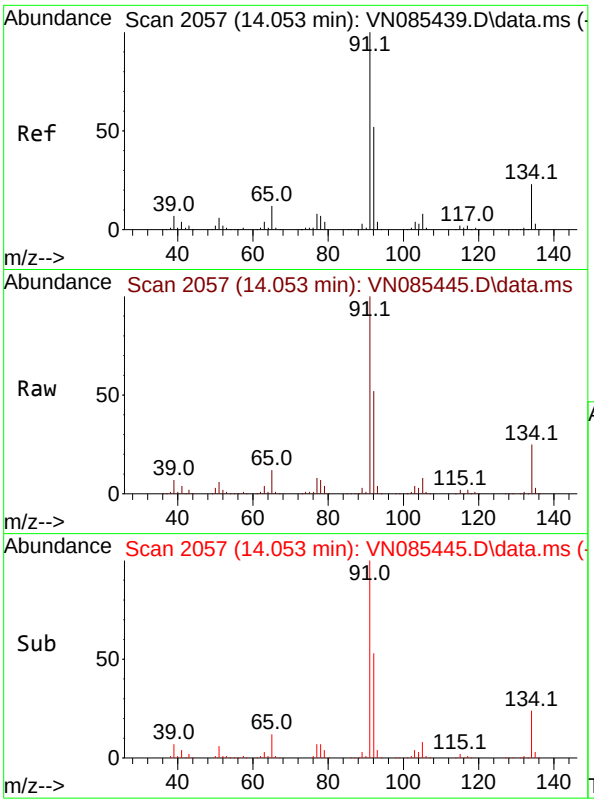


#88
1,4-Dichlorobenzene
Concen: 44.102 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. -0.006 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion:146 Resp: 235319

Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.3	63.7
148	63.5	32.4	97.0



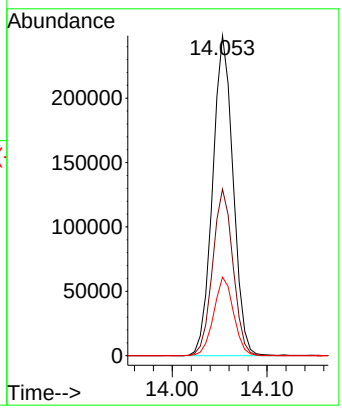


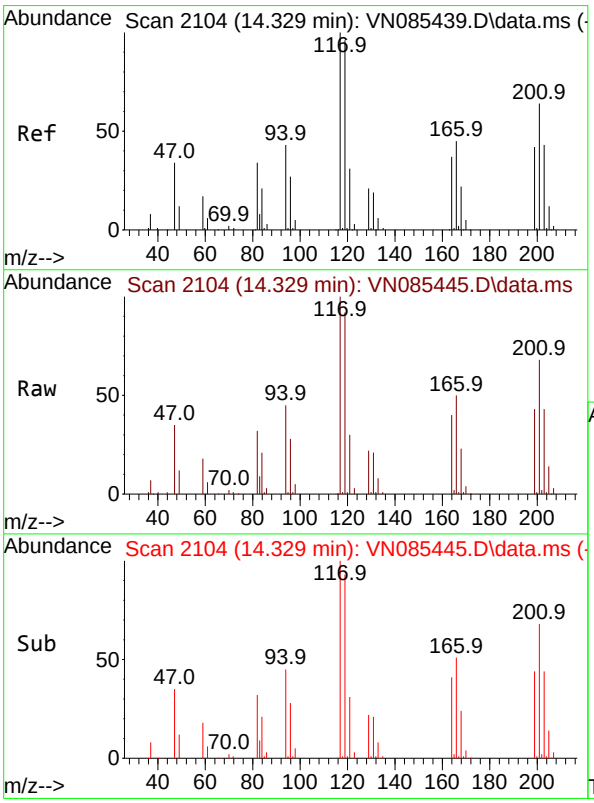
#89
n-Butylbenzene
Concen: 50.578 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Tgt Ion: 91 Resp: 373227

Ion	Ratio	Lower	Upper
91	100		
92	51.9	25.8	77.3
134	23.8	11.7	35.1

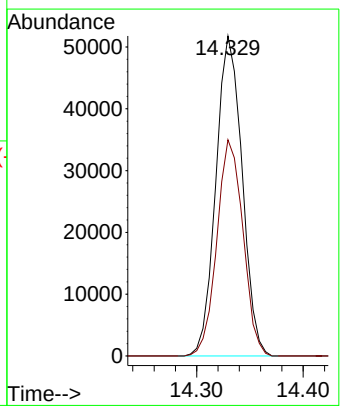


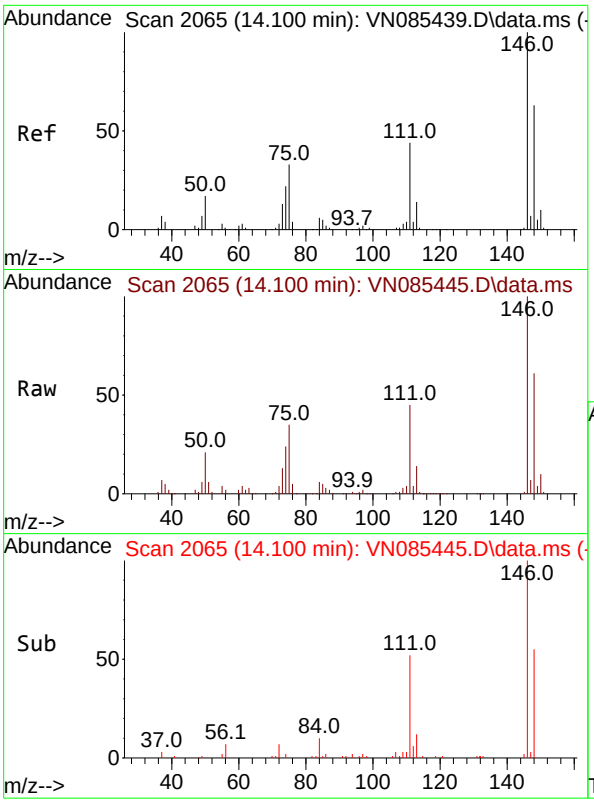


#90
Hexachloroethane
Concen: 45.215 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion:117 Resp: 88538

Ion	Ratio	Lower	Upper
117	100		
201	67.2	33.7	101.0



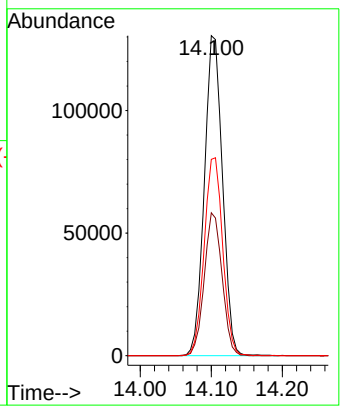


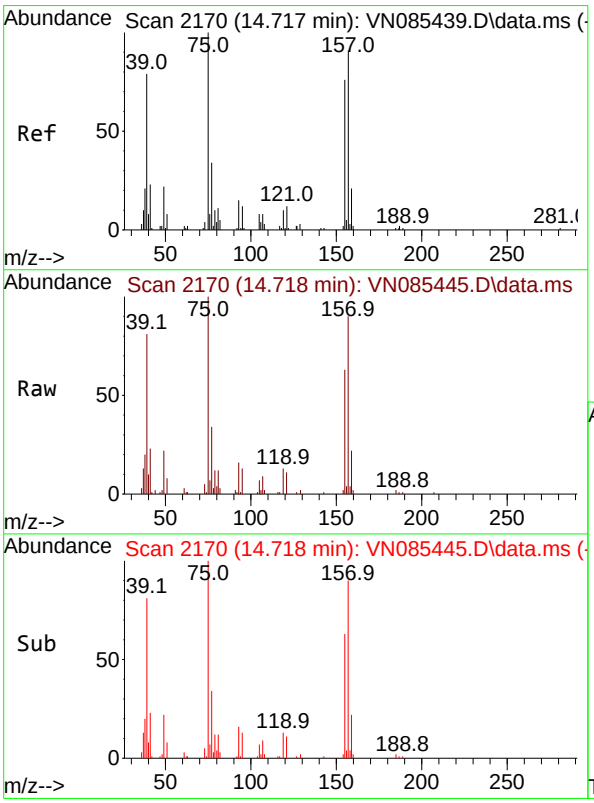
#91
1,2-Dichlorobenzene
Concen: 45.113 ug/l
RT: 14.100 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Tgt Ion:146 Resp: 231646

Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.7	65.1
148	63.1	31.4	94.2

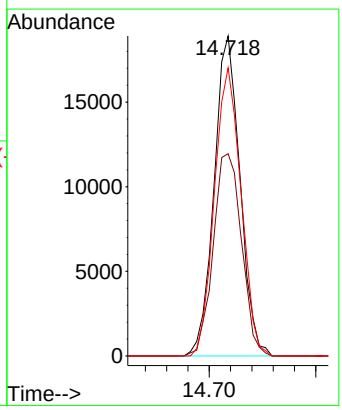


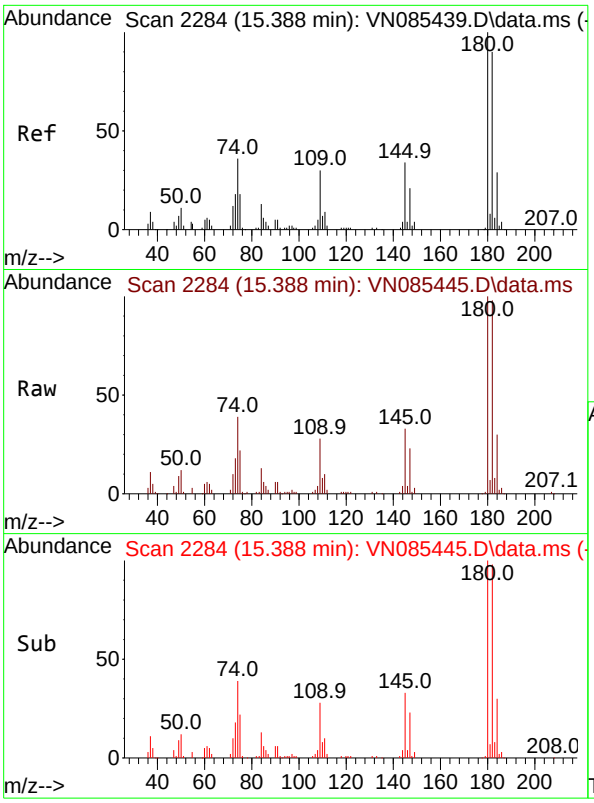


#92
1,2-Dibromo-3-Chloropropane
Concen: 46.221 ug/l
RT: 14.718 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion: 75 Resp: 31899

Ion	Ratio	Lower	Upper
75	100		
155	69.0	36.4	109.2
157	92.3	45.4	136.1



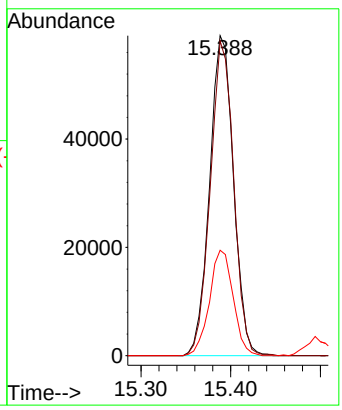


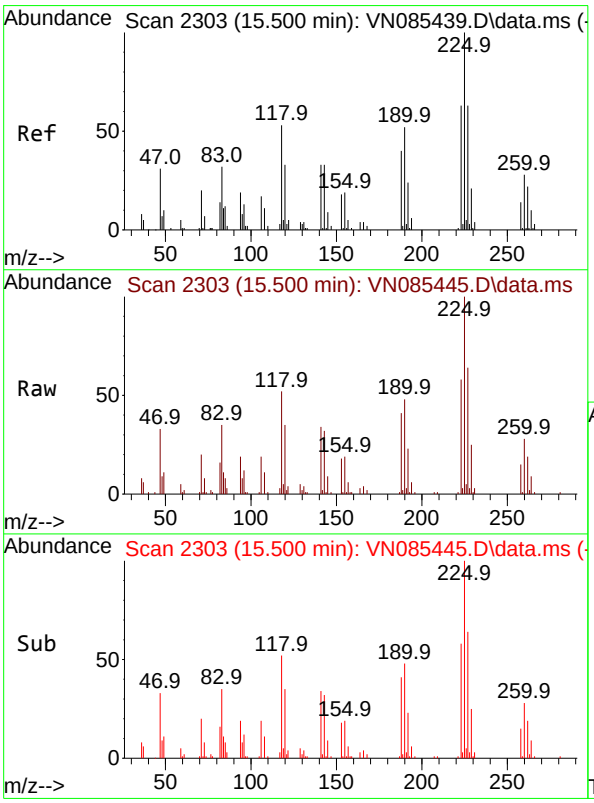
#93
1,2,4-Trichlorobenzene
Concen: 45.739 ug/l
RT: 15.388 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Tgt Ion:180 Resp: 109157

Ion	Ratio	Lower	Upper
180	100		
182	96.3	46.8	140.3
145	32.7	16.0	48.0

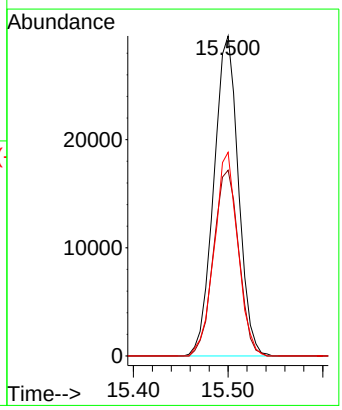


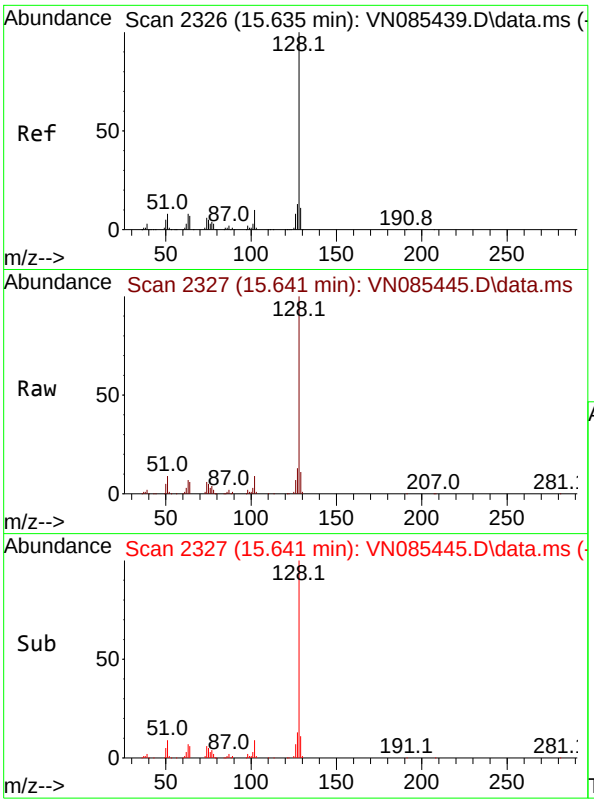


#94
Hexachlorobutadiene
Concen: 42.112 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion:225 Resp: 53358

Ion	Ratio	Lower	Upper
225	100		
223	59.8	30.7	92.1
227	61.2	30.9	92.5



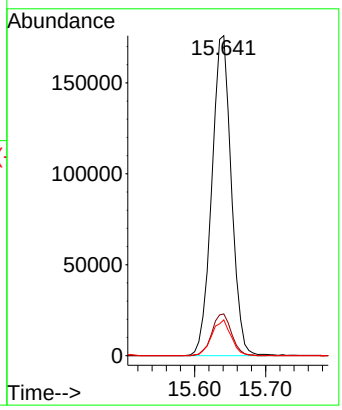


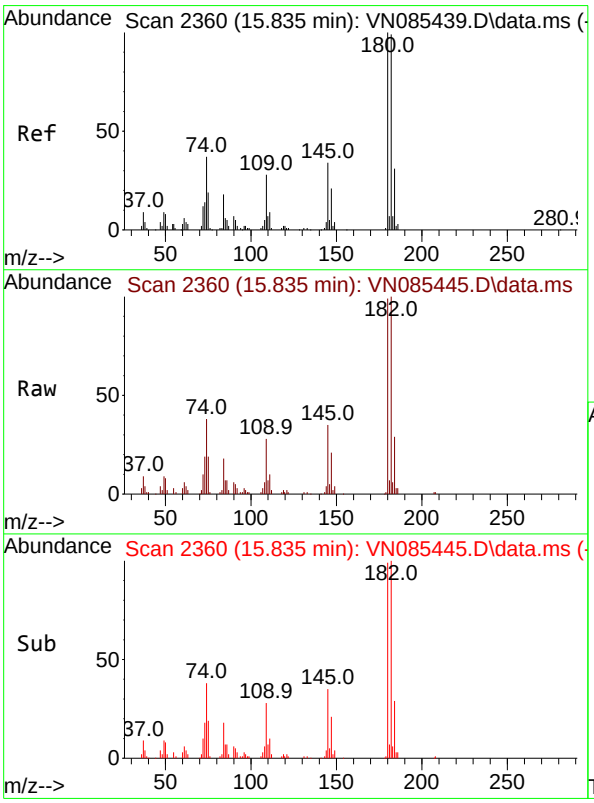
#95
Naphthalene
Concen: 47.116 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Tgt Ion:128 Resp: 335535

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	16.0
129	11.1	8.8	13.2





#96
1,2,3-Trichlorobenzene
Concen: 44.551 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN085445.D
Acq: 14 Jan 2025 18:06

Tgt Ion:180 Resp: 107583

Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.4	142.2
145	34.3	16.9	50.7

